

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042924\
 Data File : BF137751.D
 Acq On : 29 Apr 2024 15:48
 Operator : CG\JU
 Sample : P2283-01MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXCAV-SOIL-1MS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024
 Supervised By :mohammad ahmed 05/03/2024

Quant Time: Apr 29 16:15:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 03:57:12 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.063	152	276047	20.000	ng	0.00
21) Naphthalene-d8	8.345	136	1102555	20.000	ng	0.00
39) Acenaphthene-d10	10.110	164	593168	20.000	ng	0.00
64) Phenanthrene-d10	11.604	188	929916	20.000	ng	0.00
76) Chrysene-d12	14.251	240	470513	20.000	ng	0.00
86) Perylene-d12	15.827	264	528816	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.693	112	1346293	74.084	ng	0.01
7) Phenol-d6	6.675	99	1719789	74.524	ng	0.00
23) Nitrobenzene-d5	7.628	82	1067465	51.394	ng	0.00
42) 2,4,6-Tribromophenol	10.904	330	485254	81.071	ng	0.00
45) 2-Fluorobiphenyl	9.422	172	2075830	52.291	ng	0.00
79) Terphenyl-d14	13.186	244	1764510	60.361	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.052	88	265999	32.689	ng	97
3) Pyridine	3.799	79	675709	31.172	ng	98
4) n-Nitrosodimethylamine	3.757	42	363453	35.926	ng	91
6) Aniline	6.728	93	888110	30.920	ng	96
8) 2-Chlorophenol	6.845	128	801330	42.242	ng	99
9) Benzaldehyde	6.616	77	454693	35.109	ng	96
10) Phenol	6.693	94	939558	40.754	ng	100
11) bis(2-Chloroethyl)ether	6.793	93	732044	38.930	ng	98
12) 1,3-Dichlorobenzene	7.004	146	823212	41.381	ng	98
13) 1,4-Dichlorobenzene	7.081	146	833193	41.601	ng	99
14) 1,2-Dichlorobenzene	7.234	146	800049	42.914	ng	99
15) Benzyl Alcohol	7.198	79	671151	38.877	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.328	45	1079886	37.342	ng	98
17) 2-Methylphenol	7.298	107	627518	37.233	ng	100
18) Hexachloroethane	7.581	117	292531	41.269	ng	94
19) n-Nitroso-di-n-propyla...	7.469	70	540557	36.224	ng	100
20) 3+4-Methylphenols	7.451	107	816826	37.524	ng	98
22) Acetophenone	7.469	105	1067958	39.602	ng	99
24) Nitrobenzene	7.645	77	812895	38.738	ng	98
25) Isophorone	7.881	82	1497806	38.828	ng	100
26) 2-Nitrophenol	7.957	139	426396	46.303	ng	96
27) 2,4-Dimethylphenol	7.987	122	610932	32.884	ng	99
28) bis(2-Chloroethoxy)met...	8.087	93	909037	38.581	ng	99
29) 2,4-Dichlorophenol	8.198	162	662285	40.675	ng	99
30) 1,2,4-Trichlorobenzene	8.287	180	698048	42.061	ng	98
31) Naphthalene	8.369	128	2251481	40.017	ng	100
32) Benzoic acid	8.092	122	508891	43.260	ng	99
33) 4-Chloroaniline	8.410	127	654707	27.492	ng	99
34) Hexachlorobutadiene	8.481	225	412746	41.485	ng	98
35) Caprolactam	8.787	113	218115m	41.433	ng	
36) 4-Chloro-3-methylphenol	8.881	107	689543	39.929	ng	98
37) 2-Methylnaphthalene	9.063	142	1491363	38.620	ng	99
38) 1-Methylnaphthalene	9.163	142	1364611	37.796	ng	99
40) 1,2,4,5-Tetrachloroben...	9.228	216	705352	43.374	ng	100
41) Hexachlorocyclopentadiene	9.210	237	711954	78.136	ng	99
43) 2,4,6-Trichlorophenol	9.334	196	494212	43.321	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.369	196	517925	39.614	ng	99
46) 1,1'-Biphenyl	9.528	154	1817787	42.126	ng	97
47) 2-Chloronaphthalene	9.551	162	1412393	42.460	ng	99
48) 2-Nitroaniline	9.645	65	425608	41.989	ng	94
49) Acenaphthylene	9.975	152	2198970	42.391	ng	99
50) Dimethylphthalate	9.822	163	1686536	40.809	ng	99
51) 2,6-Dinitrotoluene	9.886	165	380897	43.743	ng	86
52) Acenaphthene	10.145	154	1434230	42.699	ng	99
53) 3-Nitroaniline	10.057	138	326154	33.331	ng	99
54) 2,4-Dinitrophenol	10.163	184	351611	76.280	ng	# 38
55) Dibenzofuran	10.316	168	1980065	40.215	ng	99
56) 4-Nitrophenol	10.204	139	569010	74.773	ng	99
57) 2,4-Dinitrotoluene	10.292	165	497429	45.313	ng	92
58) Fluorene	10.663	166	1531067	39.797	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.428	232	418155	41.304	ng	97
60) Diethylphthalate	10.522	149	1596441	40.162	ng	99
61) 4-Chlorophenyl-phenyle...	10.651	204	768401	40.422	ng	93
62) 4-Nitroaniline	10.675	138	346628	37.190	ng	99
63) Azobenzene	10.810	77	1531526	37.600	ng	96
65) 4,6-Dinitro-2-methylph...	10.698	198	249306	46.758	ng	82
66) n-Nitrosodiphenylamine	10.769	169	1352712	42.950	ng	99
67) 4-Bromophenyl-phenylether	11.139	248	472056	43.809	ng	98
68) Hexachlorobenzene	11.210	284	484851	46.188	ng	93
69) Atrazine	11.292	200	439799	50.515	ng	99
70) Pentachlorophenol	11.398	266	577738	73.163	ng	99
71) Phenanthrene	11.628	178	2017457	40.984	ng	99
72) Anthracene	11.680	178	2041396	40.499	ng	99
73) Carbazole	11.833	167	1715493	37.553	ng	99
74) Di-n-butylphthalate	12.151	149	2225436	39.963	ng	100
75) Fluoranthene	12.822	202	1790670	34.608	ng	100
77) Benzidine	12.939	184	837799	76.235	ng	99
78) Pyrene	13.057	202	1734528	44.914	ng	98
80) Butylbenzylphthalate	13.657	149	666083	48.636	ng	98
81) Benzo(a)anthracene	14.245	228	1366732	41.647	ng	99
82) 3,3'-Dichlorobenzidine	14.198	252	423564	41.715	ng	98
83) Chrysene	14.280	228	1276356	41.625	ng	99
84) Bis(2-ethylhexyl)phtha...	14.216	149	904851	43.749	ng	100
85) Di-n-octyl phthalate	14.845	149	1428185	45.970	ng	98
87) Indeno(1,2,3-cd)pyrene	17.468	276	1292055	44.065	ng	99
88) Benzo(b)fluoranthene	15.351	252	1370688	40.506	ng	99
89) Benzo(k)fluoranthene	15.386	252	1294495	38.916	ng	98
90) Benzo(a)pyrene	15.757	252	1258430	41.455	ng	99
91) Dibenzo(a,h)anthracene	17.492	278	1065316	43.781	ng	98
92) Benzo(g,h,i)perylene	17.968	276	933073	39.435	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

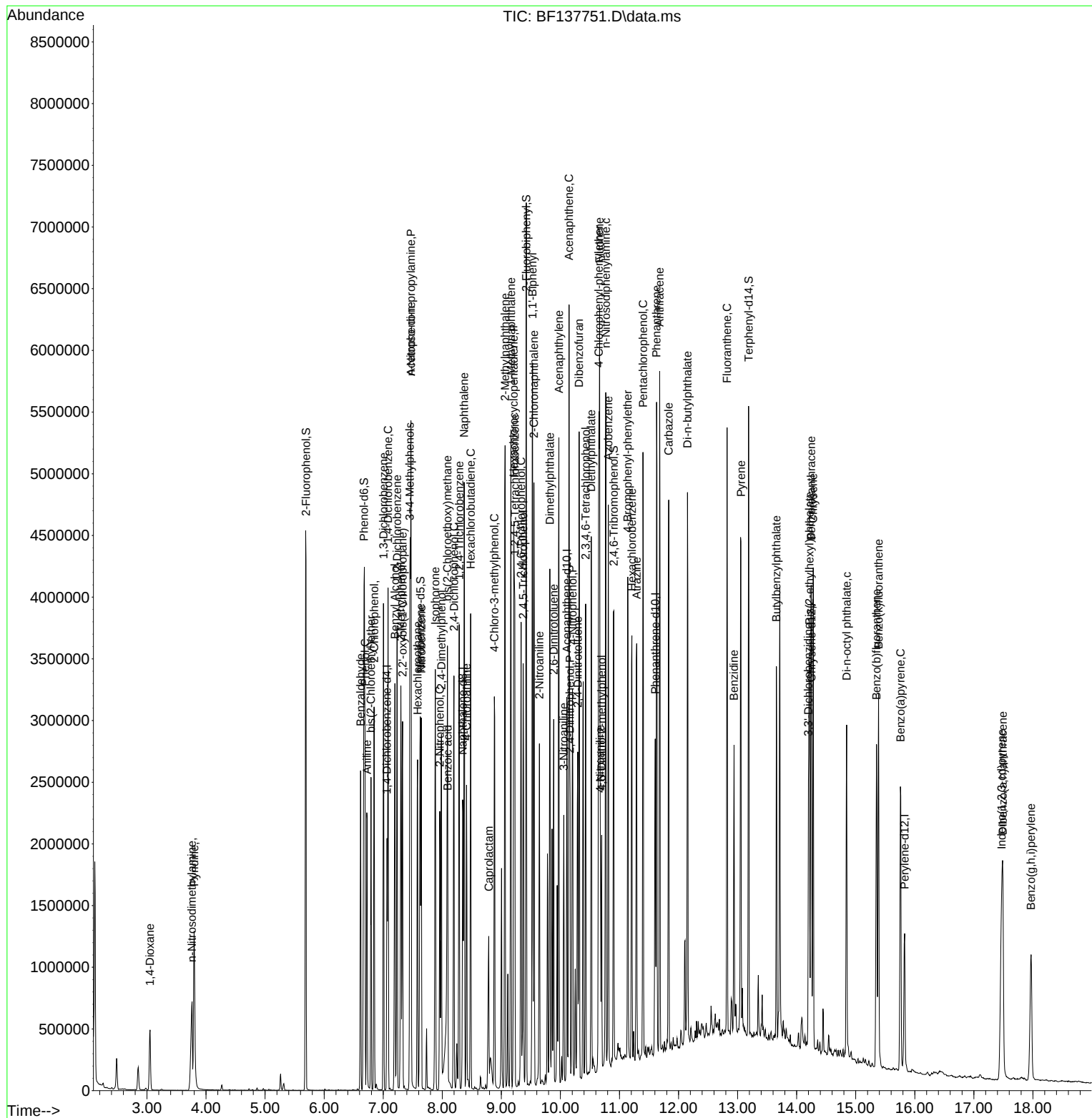
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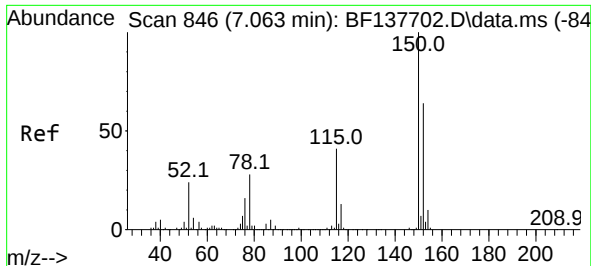
Instrument :
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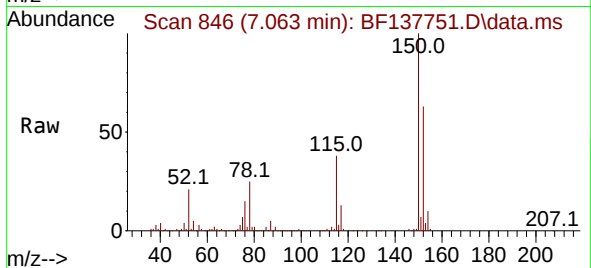
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.063 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

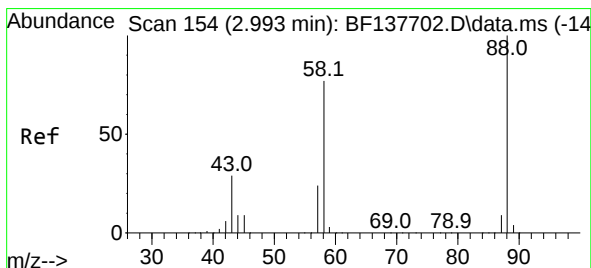
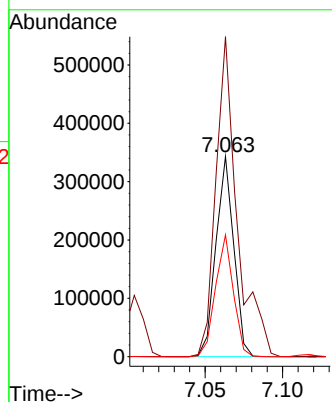
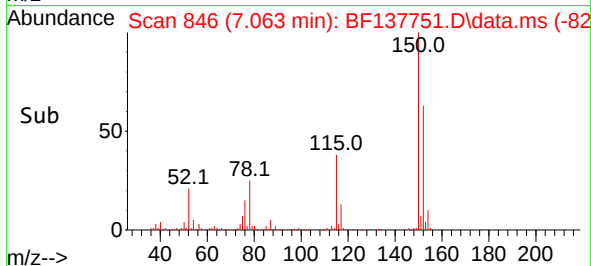
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



Tgt Ion:152 Resp: 27604
Ion Ratio Lower Upper
152 100
150 159.8 124.2 186.4
115 60.8 50.8 76.2

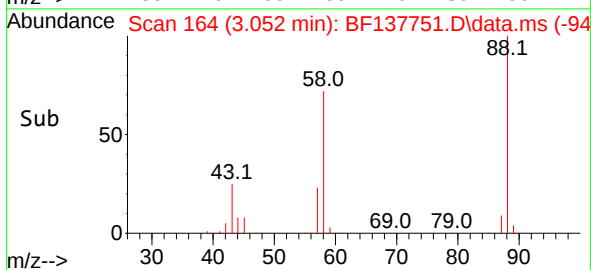
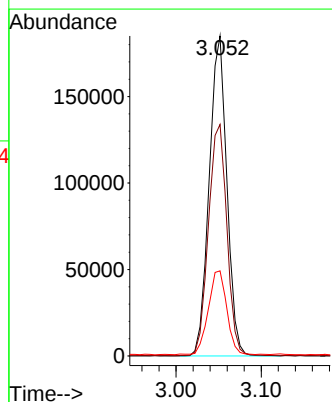
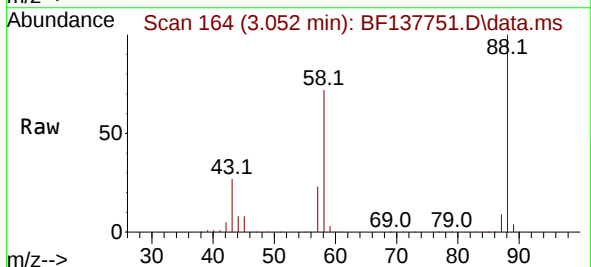
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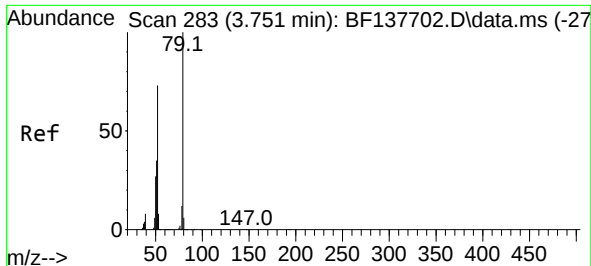
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#2
1,4-Dioxane
Concen: 32.689 ng
RT: 3.052 min Scan# 164
Delta R.T. 0.059 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

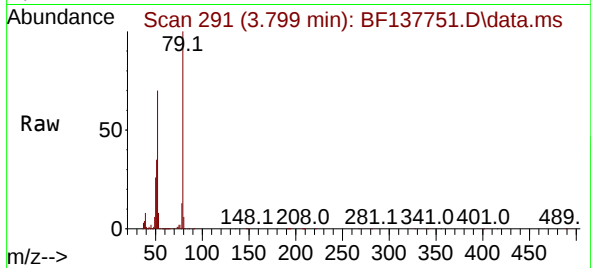
Tgt Ion: 88 Resp: 265999
Ion Ratio Lower Upper
88 100
58 75.3 62.4 93.6
43 27.4 23.7 35.5





#3
Pyridine
Concen: 31.172 ng
RT: 3.799 min Scan# 291
Delta R.T. 0.047 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

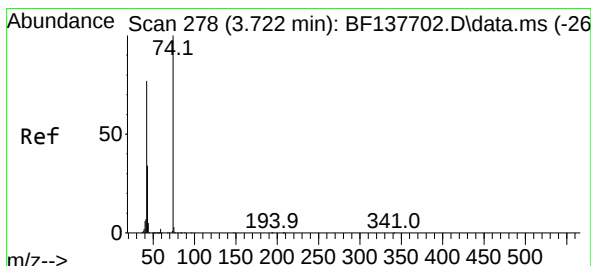
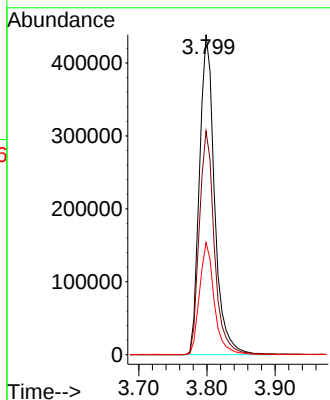
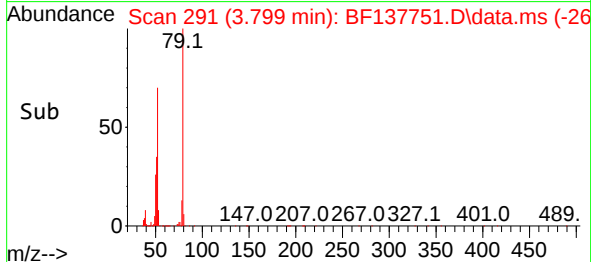
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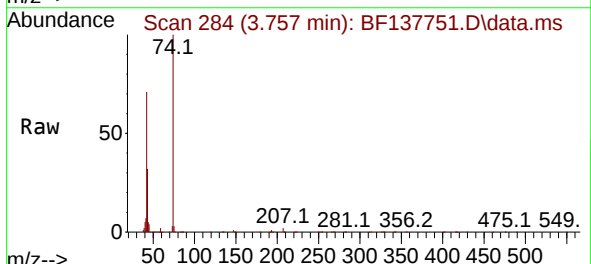
Tgt Ion: 79 Resp: 675709
Ion Ratio Lower Upper
79 100
52 69.9 58.0 87.0
51 35.1 27.9 41.9

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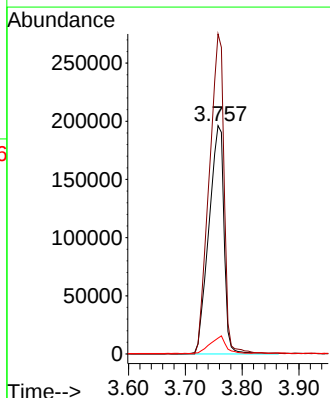
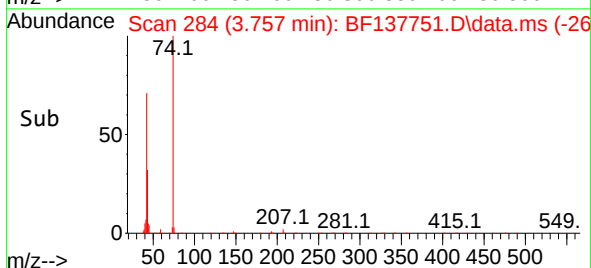
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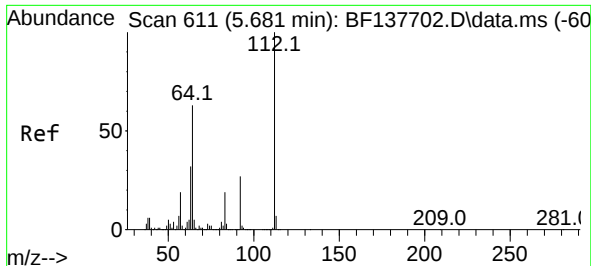


#4
n-Nitrosodimethylamine
Concen: 35.926 ng
RT: 3.757 min Scan# 284
Delta R.T. 0.035 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48



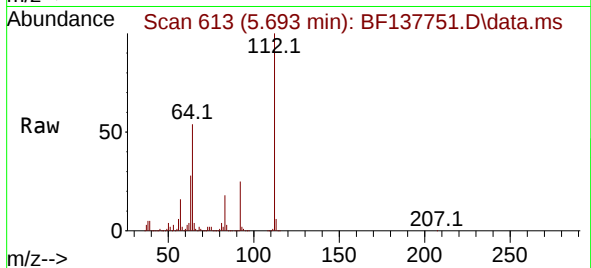
Tgt Ion: 42 Resp: 363453
Ion Ratio Lower Upper
42 100
74 140.1 103.4 155.2
44 6.9 5.5 8.3





#5
2-Fluorophenol
Concen: 74.084 ng
RT: 5.693 min Scan# 611
Delta R.T. 0.012 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

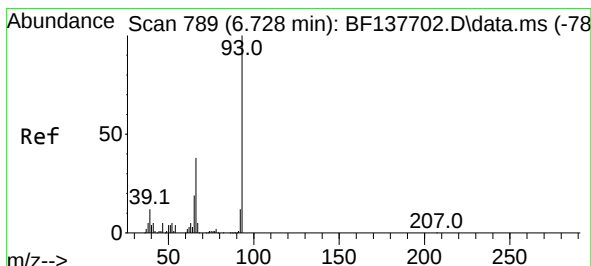
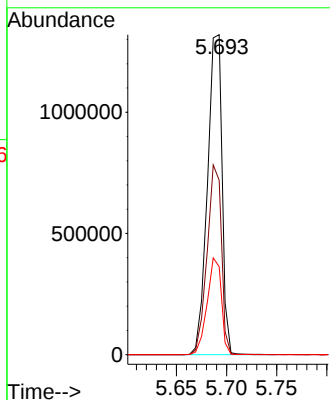
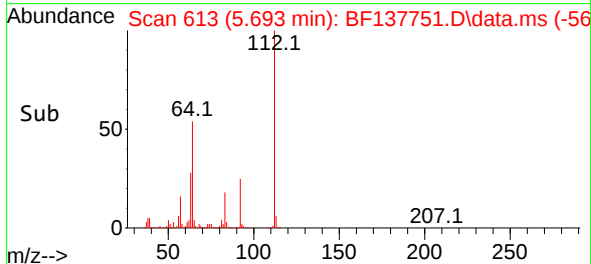
Instrument :
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EXCAV-SOIL-1MS



Tgt Ion: 112 Resp: 134629
Ion Ratio Lower Upper
112 100
64 54.5 50.1 75.1
63 27.5 25.2 37.8

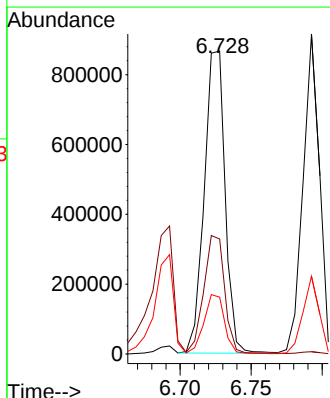
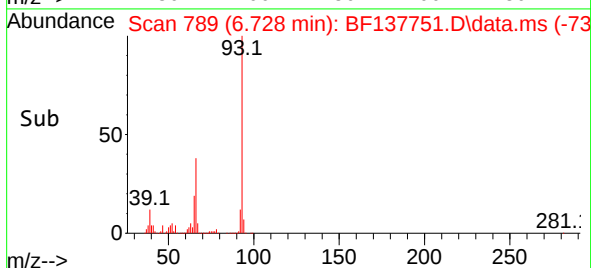
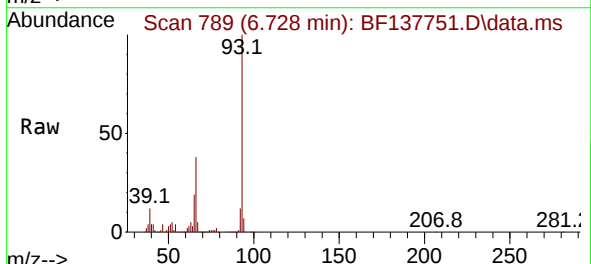
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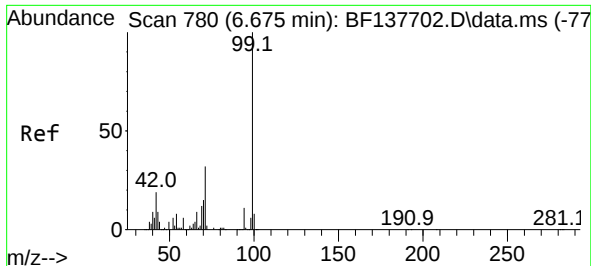
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#6
Aniline
Concen: 30.920 ng
RT: 6.728 min Scan# 789
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

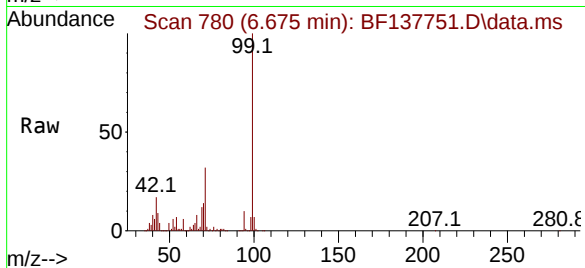
Tgt Ion: 93 Resp: 888110
Ion Ratio Lower Upper
93 100
66 38.0 32.1 48.1
65 18.7 16.4 24.6





#7
Phenol-d6
Concen: 74.524 ng
RT: 6.675 min Scan# 714
Delta R.T. 0.000 min
Lab File: BF137751.D
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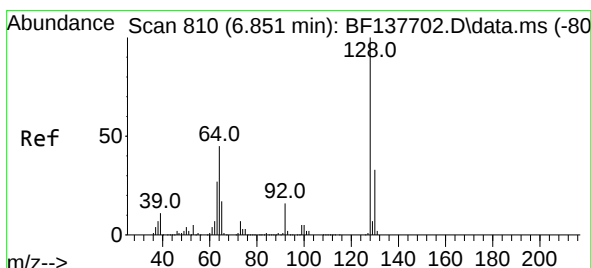
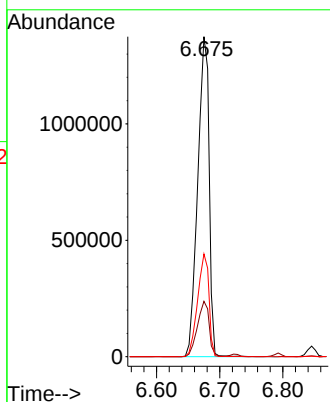
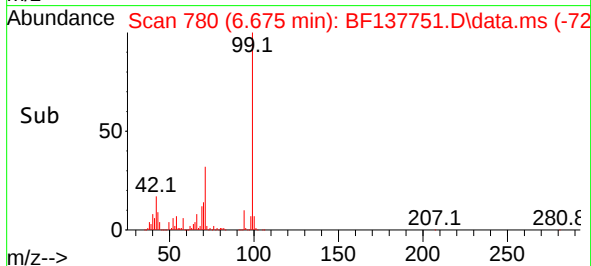
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Tgt Ion: 99 Resp: 1719789
Ion Ratio Lower Upper
99 100
42 17.3 15.0 22.4
71 32.1 25.7 38.5

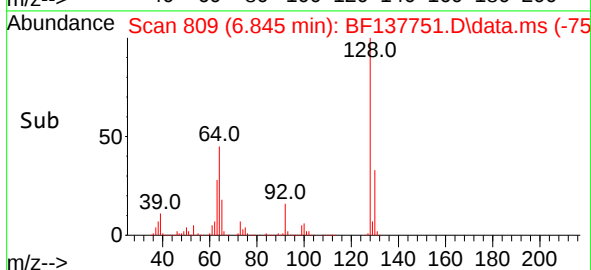
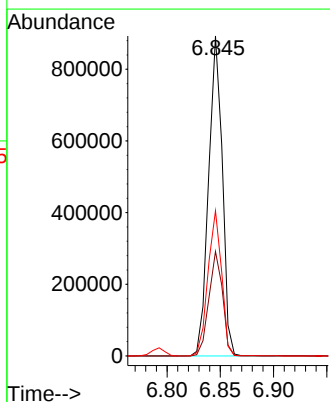
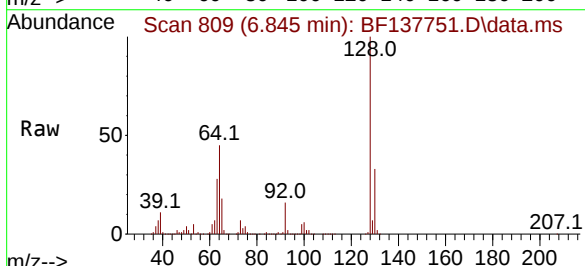
Manual Integrations
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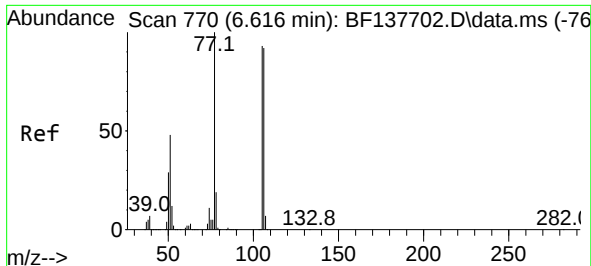
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#8
2-Chlorophenol
Concen: 42.242 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

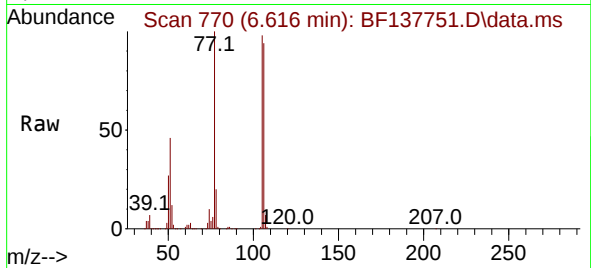
Tgt Ion:128 Resp: 801330
Ion Ratio Lower Upper
128 100
130 32.6 13.2 53.2
64 45.4 24.7 64.7





#9
Benzaldehyde
Concen: 35.109 ng
RT: 6.616 min Scan# 770
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

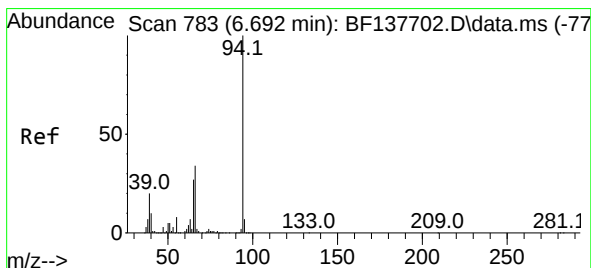
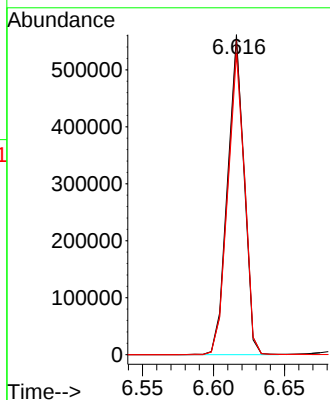
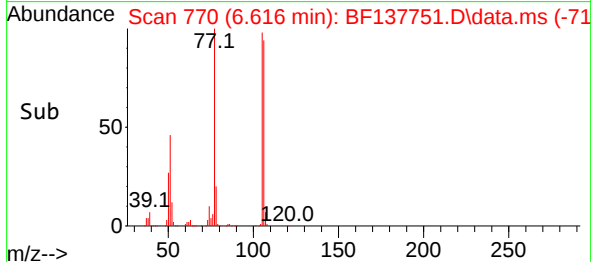
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BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



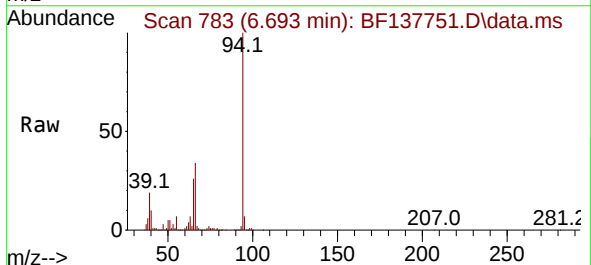
Tgt Ion: 77 Resp: 454693
Ion Ratio Lower Upper
77 100
105 98.4 73.3 113.3
106 94.0 72.1 112.1

Manual Integrations
APPROVED

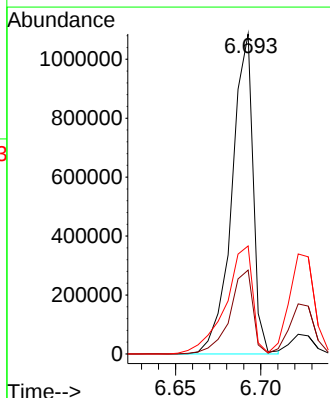
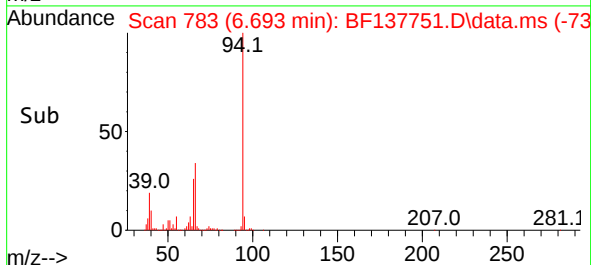
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

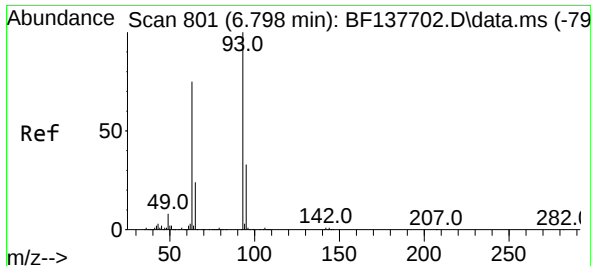


#10
Phenol
Concen: 40.754 ng
RT: 6.693 min Scan# 783
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48



Tgt Ion: 94 Resp: 939558
Ion Ratio Lower Upper
94 100
65 26.2 6.5 46.5
66 33.8 13.9 53.9





#11

bis(2-Chloroethyl)ether

Concen: 38.930 ng

RT: 6.793 min Scan# 801

Delta R.T. -0.006 min

Lab File: BF137751.D

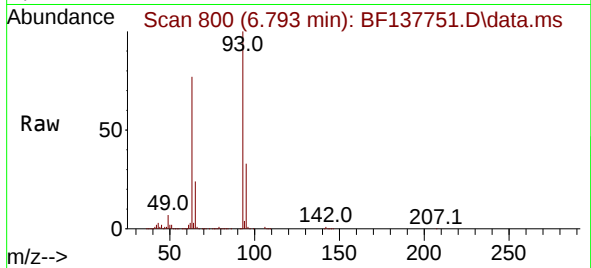
Acq: 29 Apr 2024 15:48

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MS

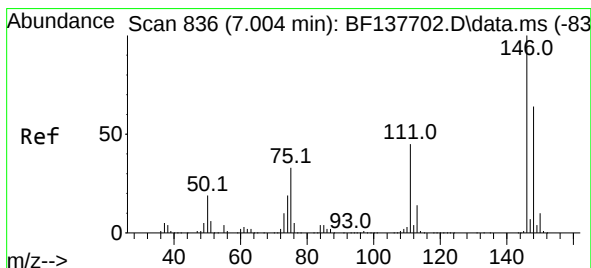
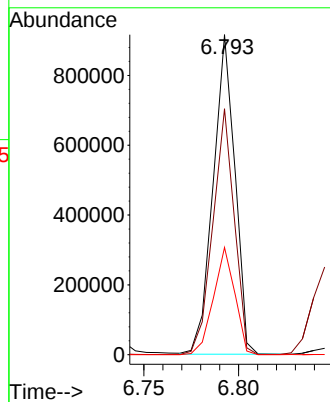
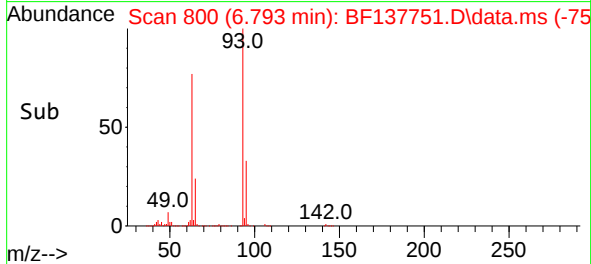


Tgt Ion:	93	Ratio	100	Lower	Upper
93	100				
63	76.8		54.8		94.8
95	33.5		13.2		53.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#12

1,3-Dichlorobenzene

Concen: 41.381 ng

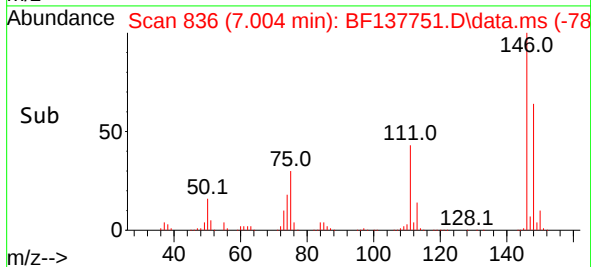
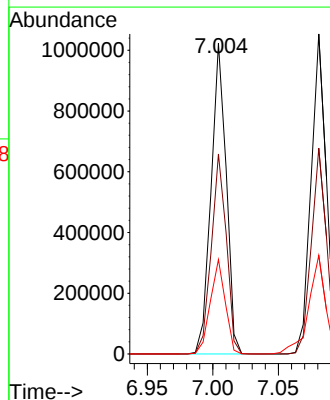
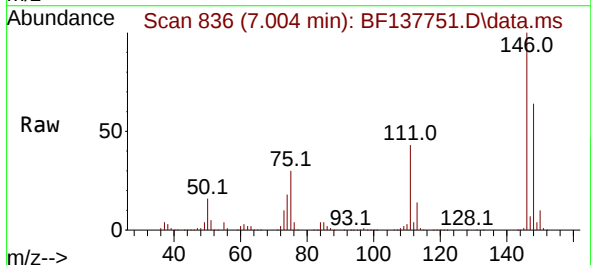
RT: 7.004 min Scan# 836

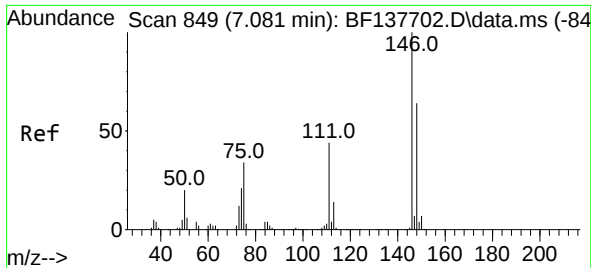
Delta R.T. 0.000 min

Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

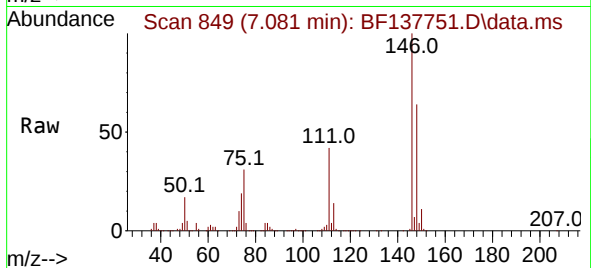
Tgt Ion:	146	Ratio	100	Lower	Upper
146	100				
148	64.4		50.8		76.2
75	30.4		26.4		39.6





#13
1,4-Dichlorobenzene
Concen: 41.601 ng
RT: 7.081 min Scan# 849
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

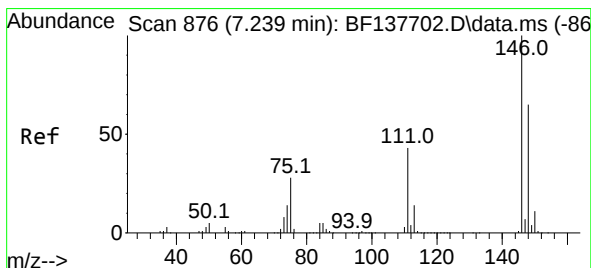
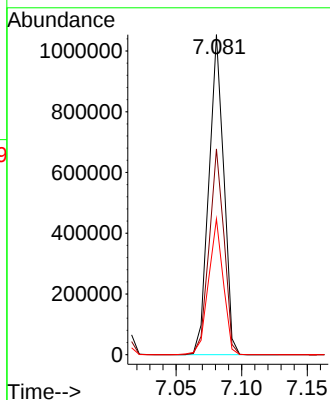
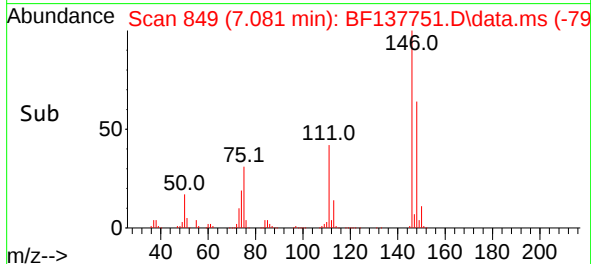
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



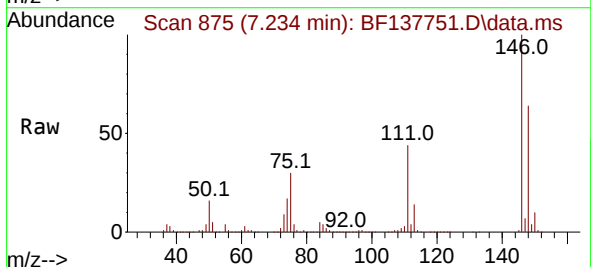
Tgt Ion:146 Resp: 83319
Ion Ratio Lower Upper
146 100
148 64.3 51.0 76.6
111 42.4 35.0 52.6

Manual Integrations
APPROVED

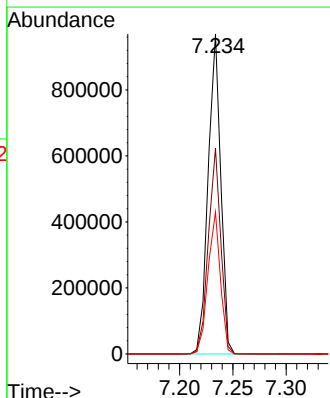
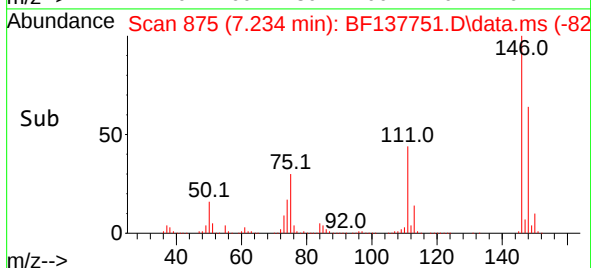
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

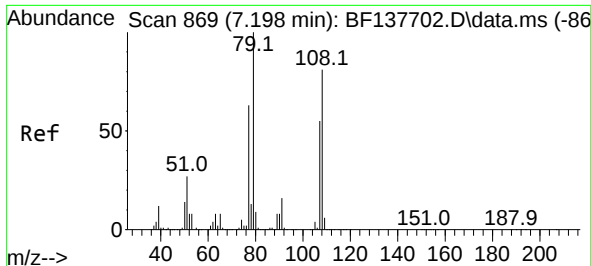


#14
1,2-Dichlorobenzene
Concen: 42.914 ng
RT: 7.234 min Scan# 875
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48



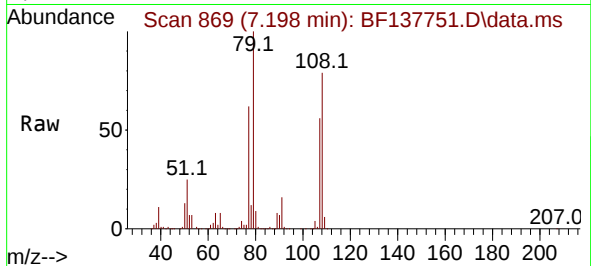
Tgt Ion:146 Resp: 800049
Ion Ratio Lower Upper
146 100
148 64.3 52.1 78.1
111 44.4 34.5 51.7





#15
Benzyl Alcohol
Concen: 38.877 ng
RT: 7.198 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

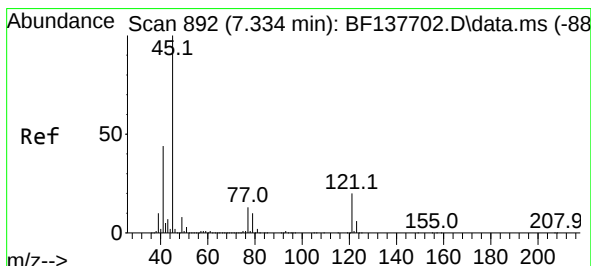
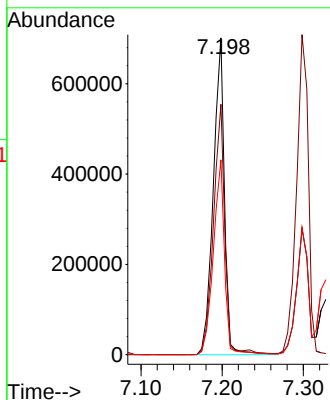
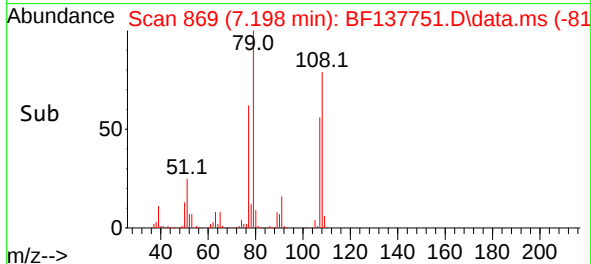
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



Tgt Ion: 79 Resp: 67115
Ion Ratio Lower Upper
79 100
108 79.0 64.8 97.2
77 61.5 50.3 75.5

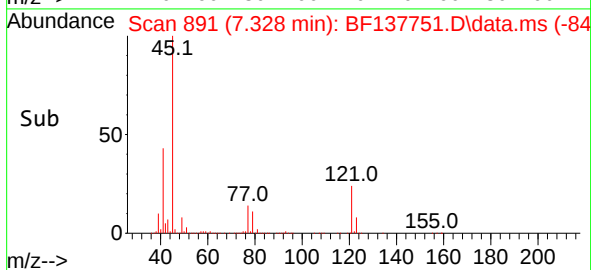
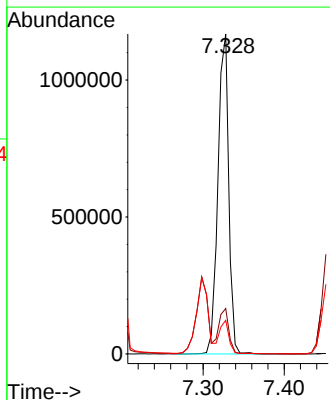
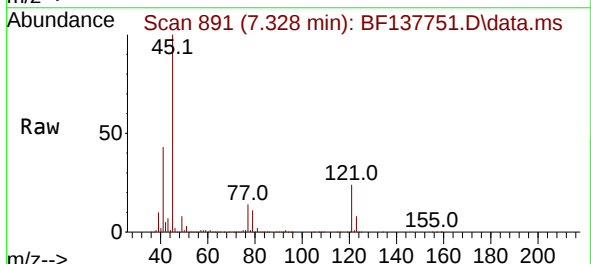
Manual Integrations
APPROVED

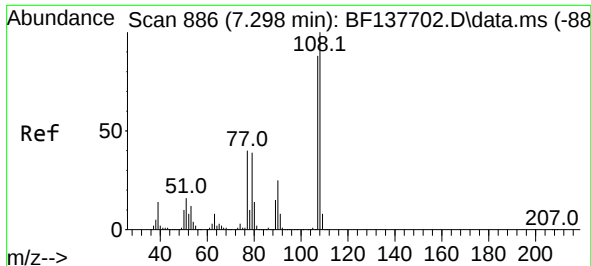
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.342 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

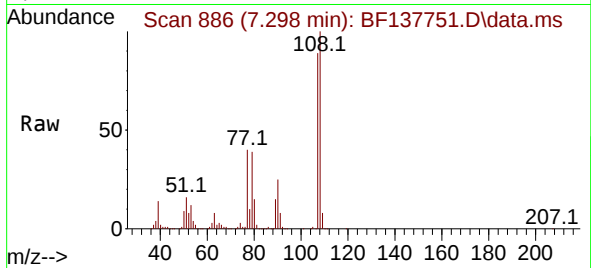
Tgt Ion: 45 Resp: 1079886
Ion Ratio Lower Upper
45 100
77 14.2 0.0 32.8
79 10.5 0.0 30.1





#17
2-Methylphenol
Concen: 37.233 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

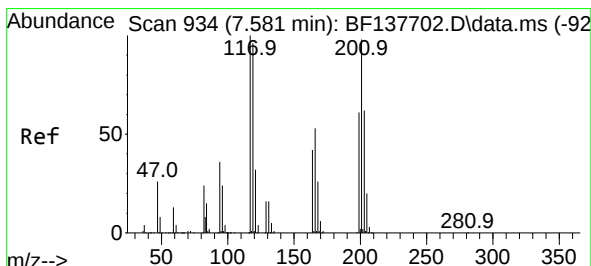
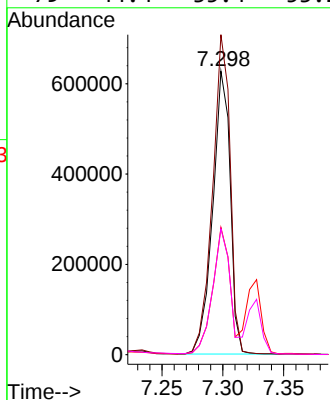
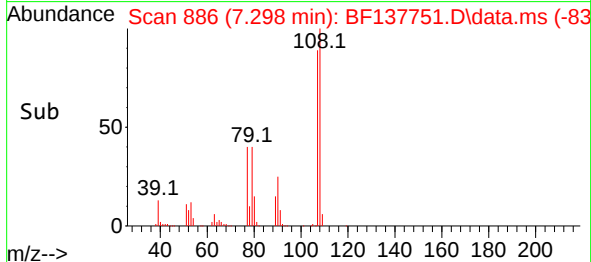
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



Tgt Ion:107 Resp: 627518
Ion Ratio Lower Upper
107 100
108 112.9 90.6 135.8
77 44.9 35.8 53.8
79 44.4 35.4 53.2

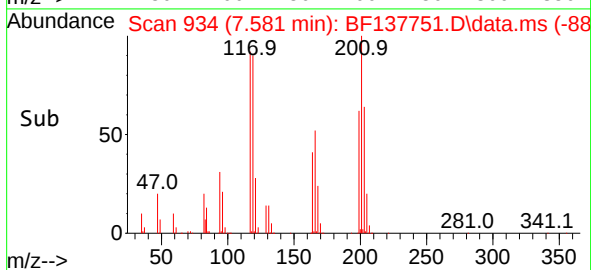
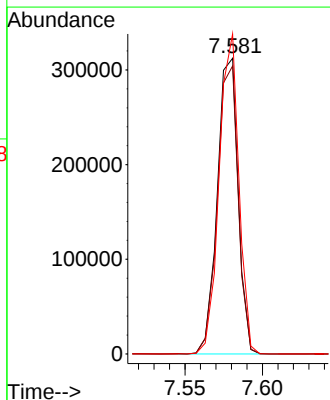
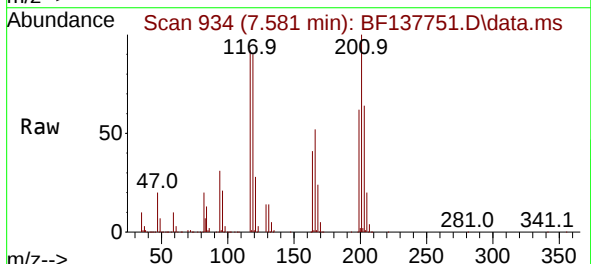
Manual Integrations
APPROVED

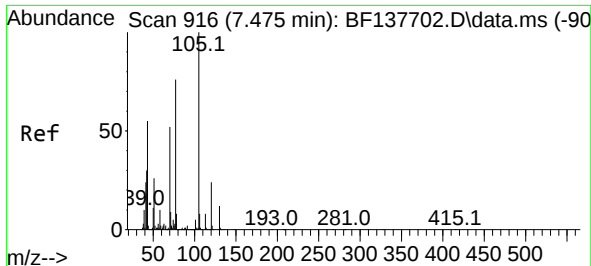
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#18
Hexachloroethane
Concen: 41.269 ng
RT: 7.581 min Scan# 934
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

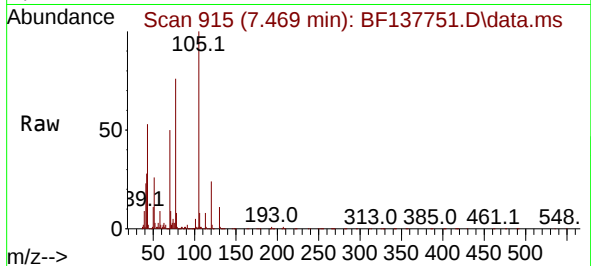
Tgt Ion:117 Resp: 292531
Ion Ratio Lower Upper
117 100
119 97.4 77.1 115.7
201 108.2 78.1 117.1





#19
n-Nitroso-di-n-propylamine
Concen: 36.224 ng
RT: 7.469 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

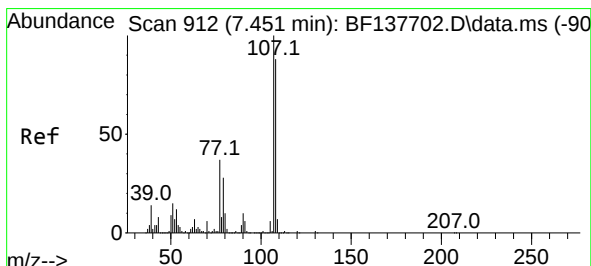
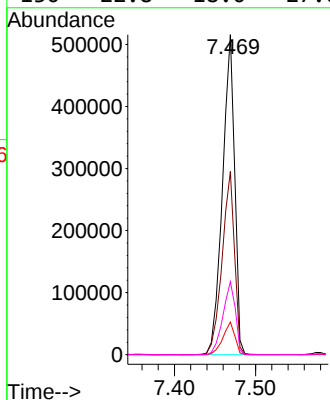
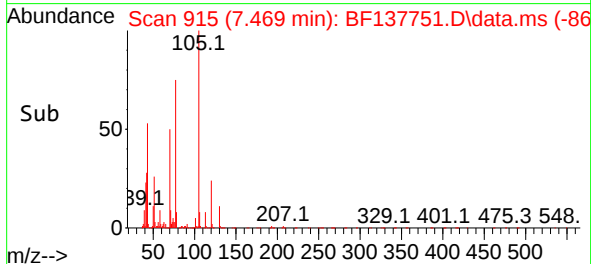
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



Tgt Ion: 70 Resp: 54055
Ion Ratio Lower Upper
70 100
42 57.2 45.9 68.9
101 10.2 8.0 12.0
130 22.8 18.0 27.0

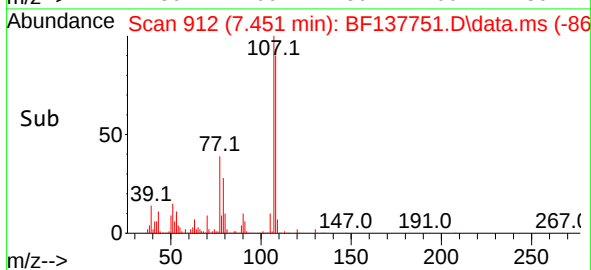
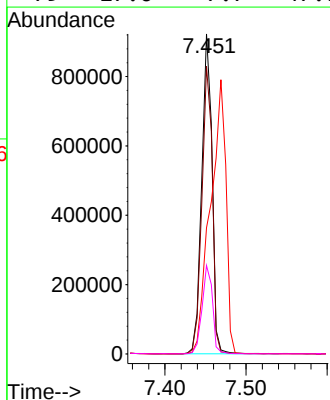
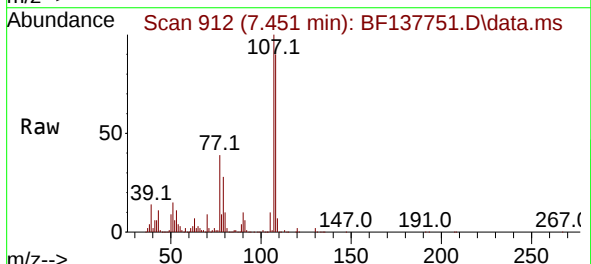
Manual Integrations
APPROVED

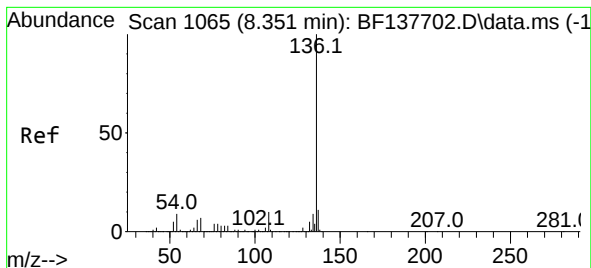
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#20
3+4-Methylphenols
Concen: 37.524 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

Tgt Ion:107 Resp: 816826
Ion Ratio Lower Upper
107 100
108 89.9 68.2 108.2
77 39.5 16.8 56.8
79 27.6 7.7 47.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.345 min Scan# 110255

Delta R.T. -0.006 min

Lab File: BF137751.D

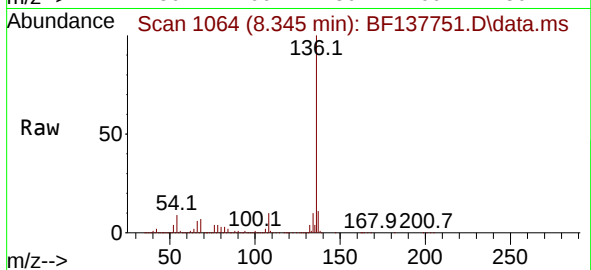
Acq: 29 Apr 2024 15:48

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MS



Tgt Ion:136 Resp: 110255

Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

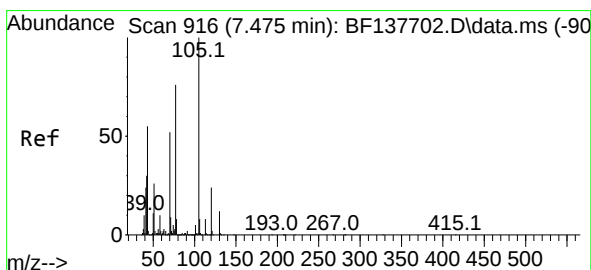
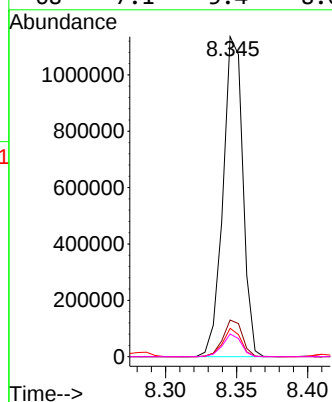
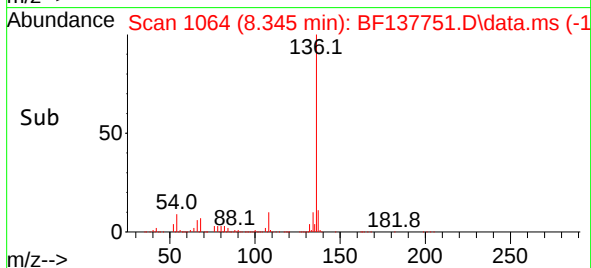
54 8.9 6.9 10.3

68 7.1 5.4 8.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#22

Acetophenone

Concen: 39.602 ng

RT: 7.469 min Scan# 915

Delta R.T. -0.006 min

Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

Tgt Ion:105 Resp: 1067958

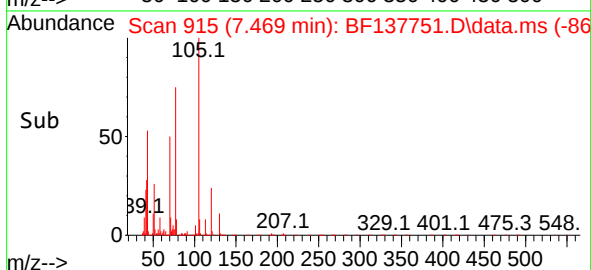
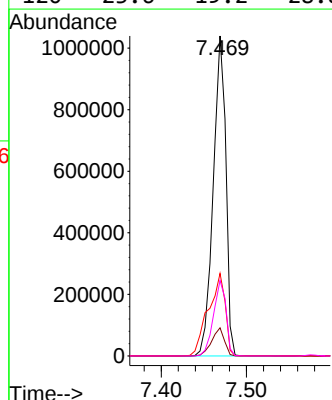
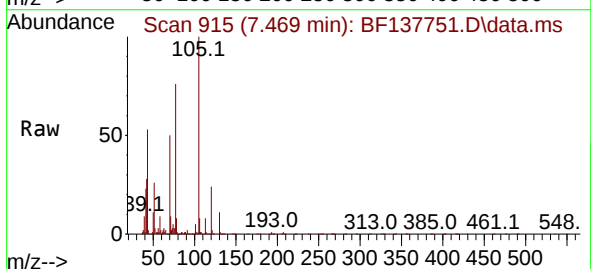
Ion Ratio Lower Upper

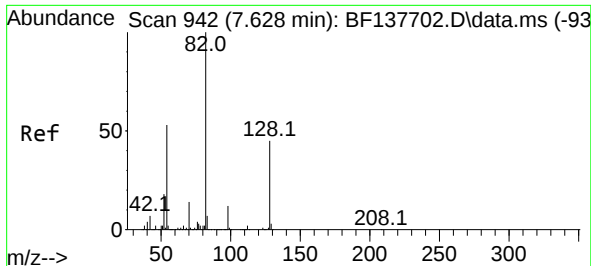
105 100

71 8.8 7.0 10.6

51 25.8 20.5 30.7

120 23.6 19.2 28.8





#23

Nitrobenzene-d5

Concen: 51.394 ng

RT: 7.628 min Scan# 942

Delta R.T. 0.000 min

Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MS

Tgt Ion: 82 Resp: 106746

Ion Ratio Lower Upper

82 100

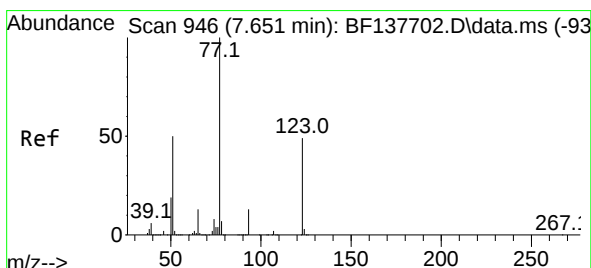
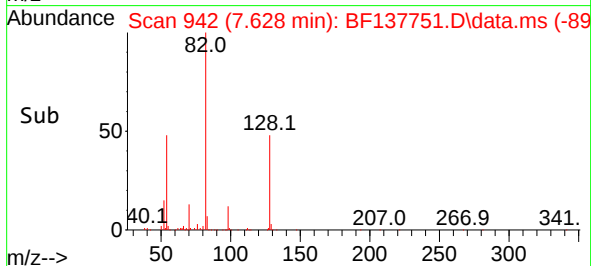
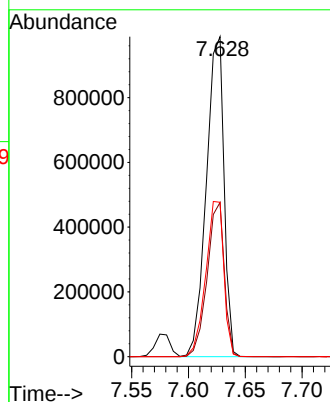
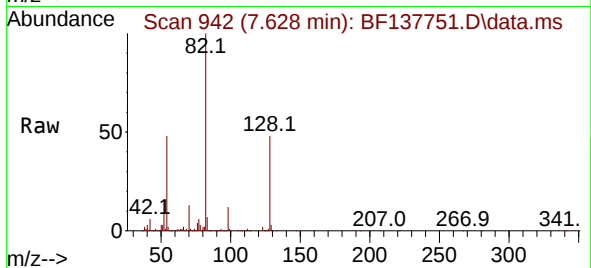
128 48.2 35.8 53.6

54 48.3 42.5 63.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#24

Nitrobenzene

Concen: 38.738 ng

RT: 7.645 min Scan# 945

Delta R.T. -0.006 min

Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

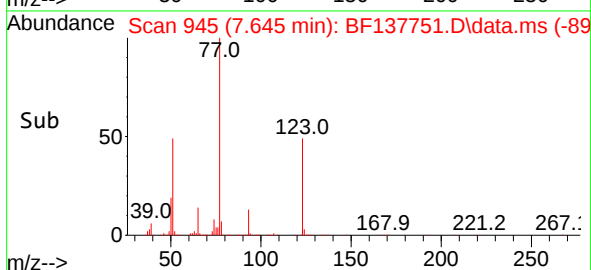
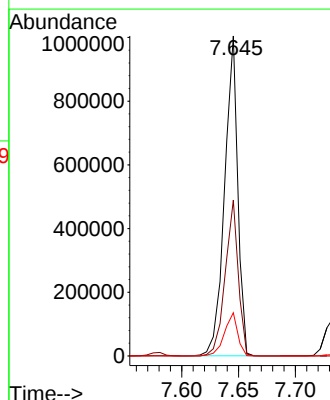
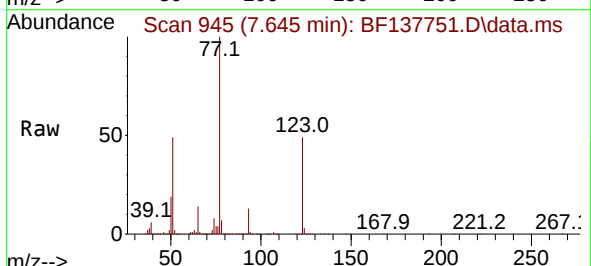
Tgt Ion: 77 Resp: 812895

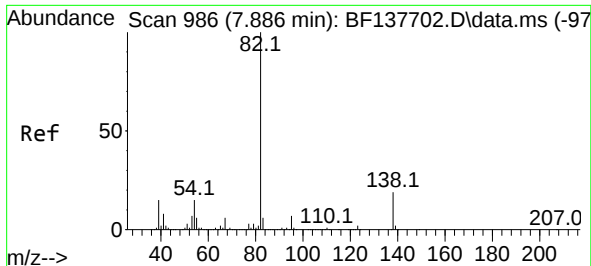
Ion Ratio Lower Upper

77 100

123 48.7 40.4 60.6

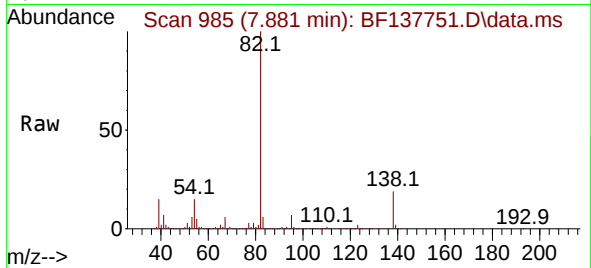
65 13.5 10.7 16.1





#25
Isophorone
Concen: 38.828 ng
RT: 7.881 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

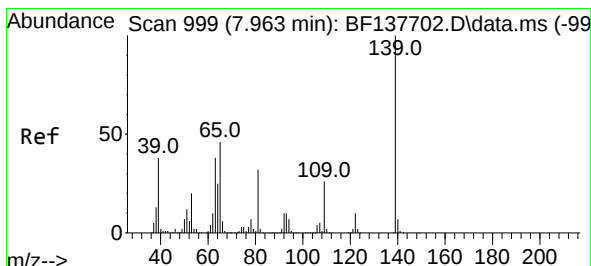
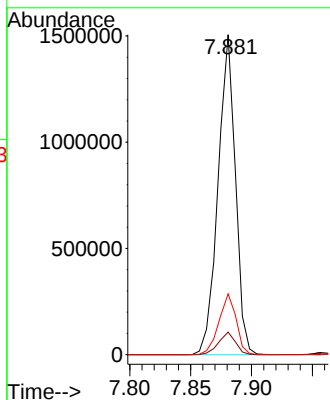
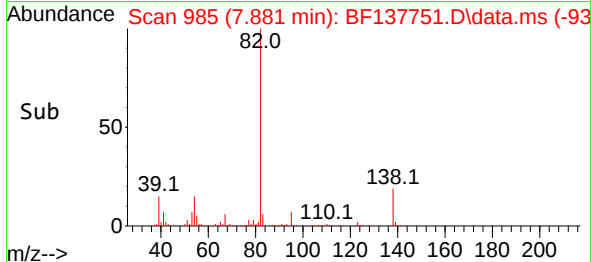
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



Tgt Ion: 82 Resp: 1497800
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 19.0 15.3 22.9

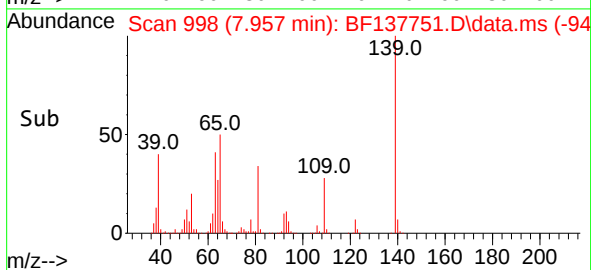
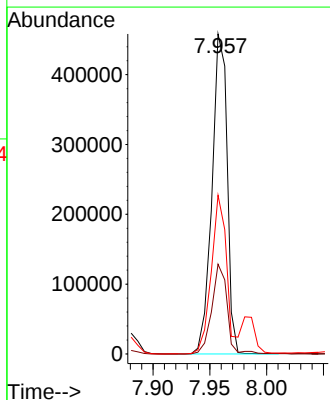
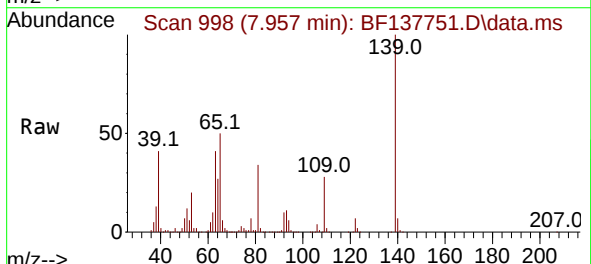
Manual Integrations
APPROVED

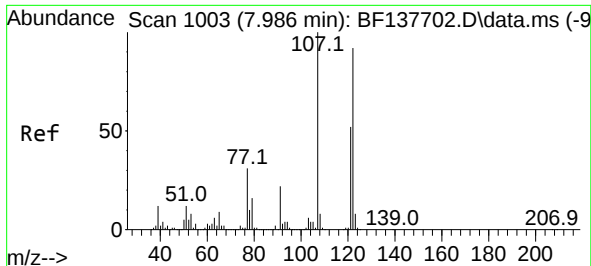
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#26
2-Nitrophenol
Concen: 46.303 ng
RT: 7.957 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

Tgt Ion:139 Resp: 426396
Ion Ratio Lower Upper
139 100
109 28.1 21.1 31.7
65 49.6 37.1 55.7





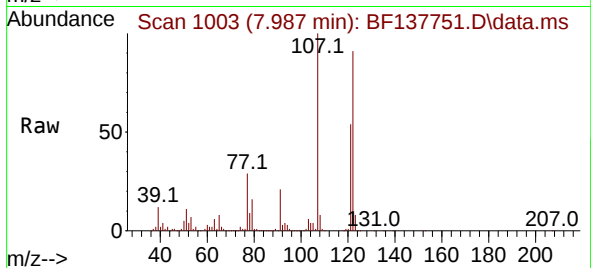
#27
2,4-Dimethylphenol
Concen: 32.884 ng
RT: 7.987 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MS

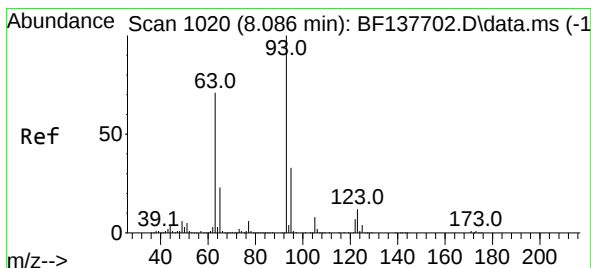
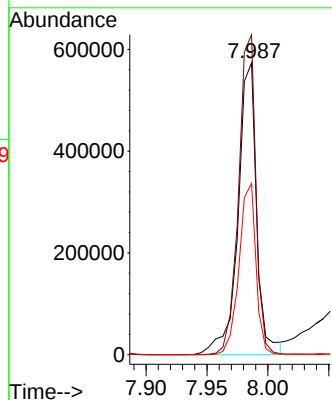
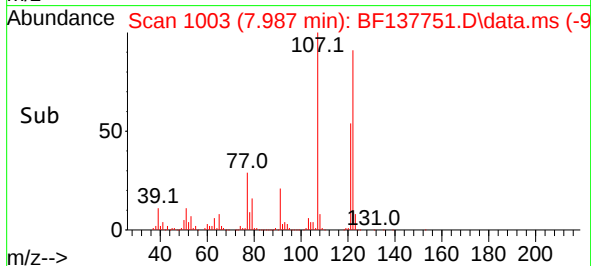


Tgt Ion:122 Resp: 610932
Ion Ratio Lower Upper
122 100
107 109.7 87.2 130.8
121 58.7 45.2 67.8

Manual Integrations

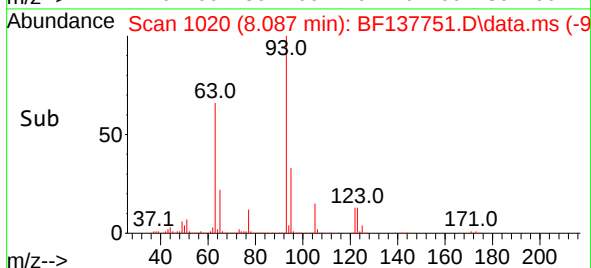
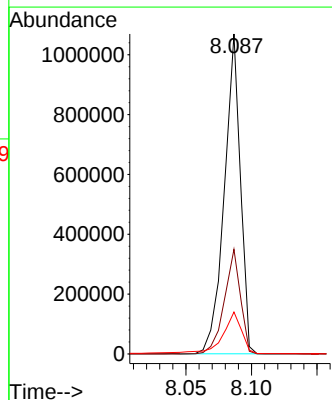
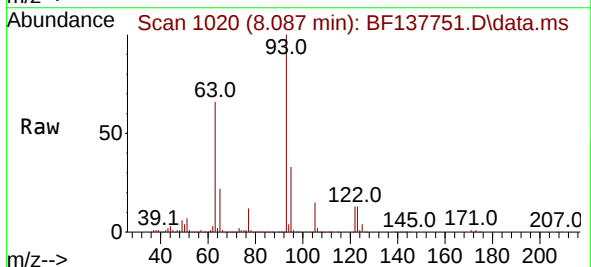
APPROVED

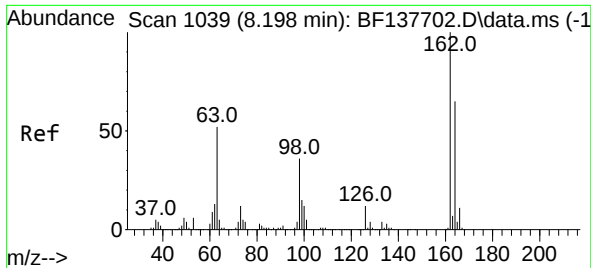
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#28
bis(2-Chloroethoxy)methane
Concen: 38.581 ng
RT: 8.087 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

Tgt Ion: 93 Resp: 909037
Ion Ratio Lower Upper
93 100
95 32.7 26.5 39.7
123 13.1 9.8 14.8





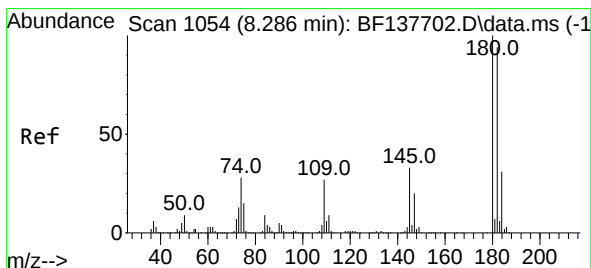
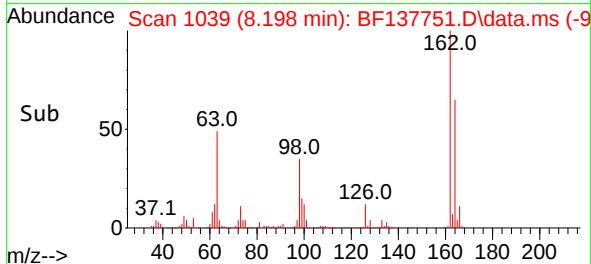
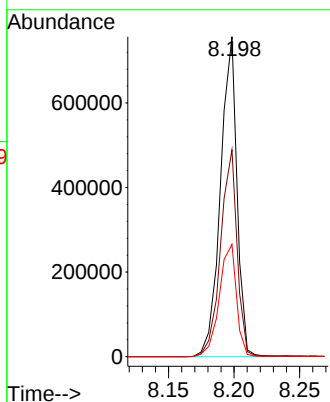
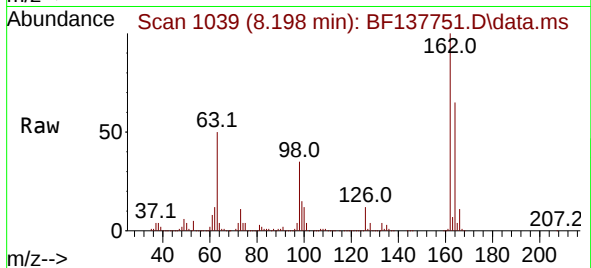
#29
2,4-Dichlorophenol
Concen: 40.675 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS

Tgt Ion:162 Resp: 662285
Ion Ratio Lower Upper
162 100
164 64.7 45.2 85.2
98 35.1 15.7 55.7

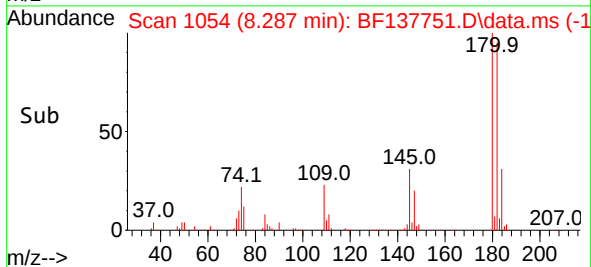
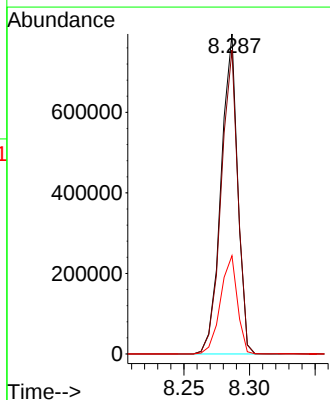
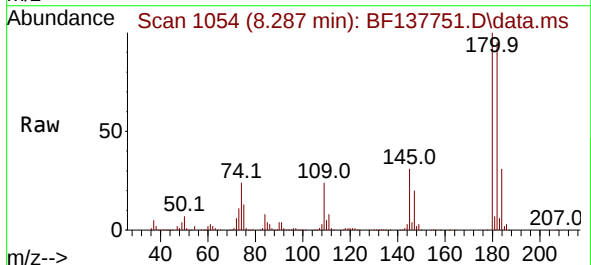
Manual Integrations
APPROVED

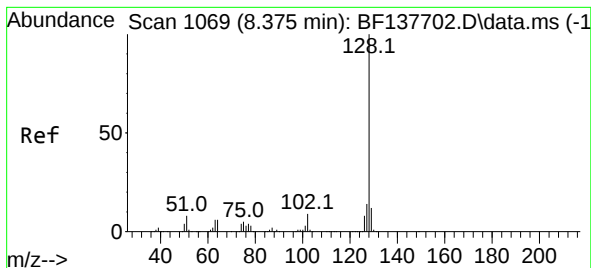
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#30
1,2,4-Trichlorobenzene
Concen: 42.061 ng
RT: 8.287 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

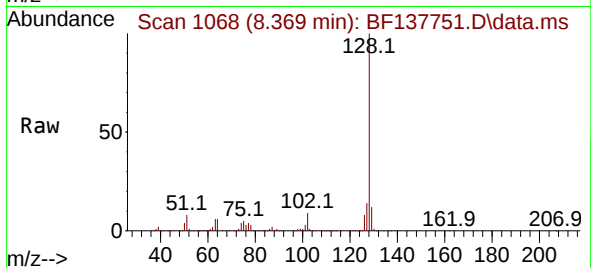
Tgt Ion:180 Resp: 698048
Ion Ratio Lower Upper
180 100
182 95.0 75.4 113.2
145 30.7 26.3 39.5





#31
Naphthalene
Concen: 40.017 ng
RT: 8.369 min Scan# 1068
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

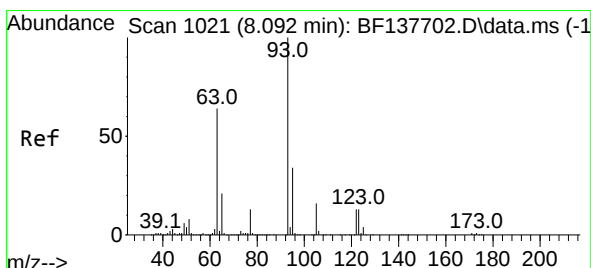
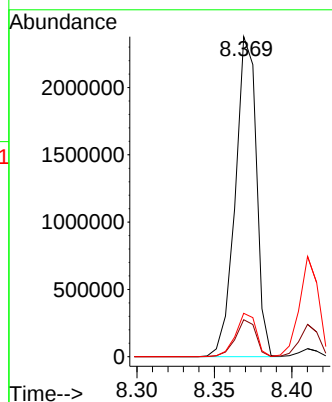
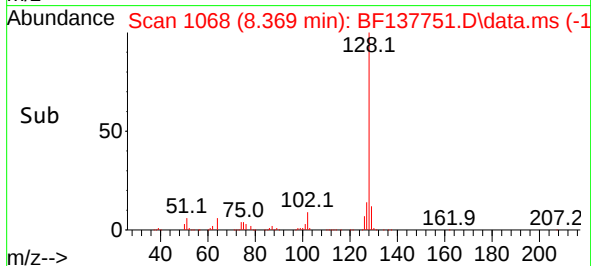
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



Tgt Ion:128 Resp: 225148
Ion Ratio Lower Upper
128 100
129 11.6 9.3 13.9
127 13.5 11.0 16.6

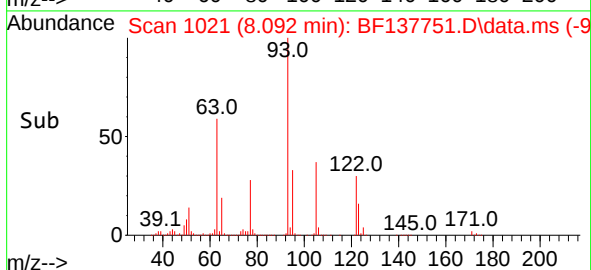
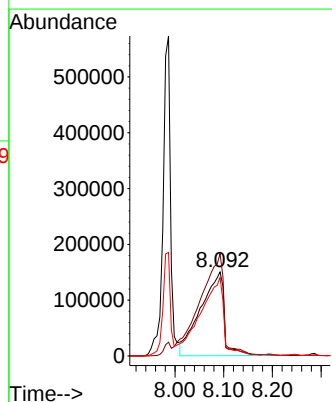
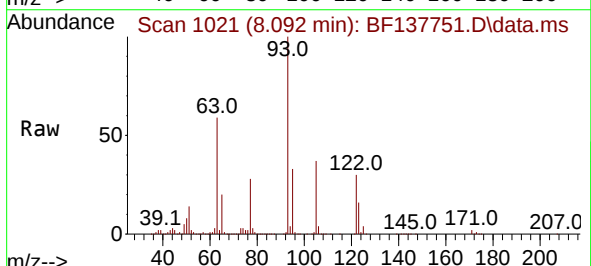
Manual Integrations
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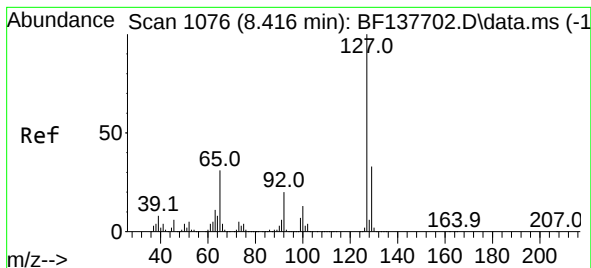
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#32
Benzoic acid
Concen: 43.260 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

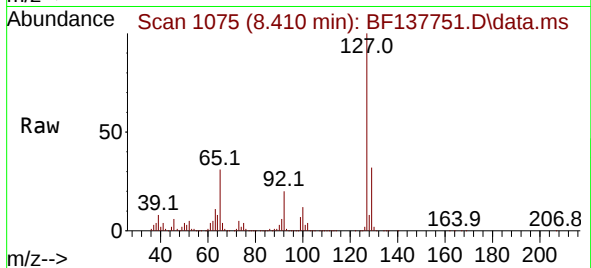
Tgt Ion:122 Resp: 508891
Ion Ratio Lower Upper
122 100
105 121.9 101.1 141.1
77 93.4 75.7 115.7





#33
4-Chloroaniline
Concen: 27.492 ng
RT: 8.410 min Scan# 1076
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

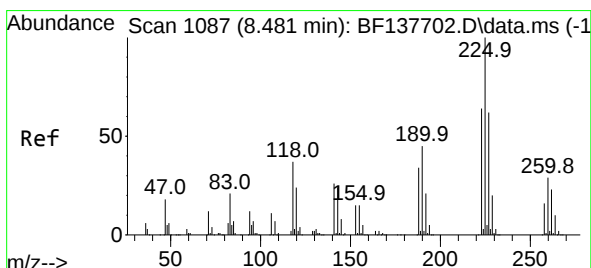
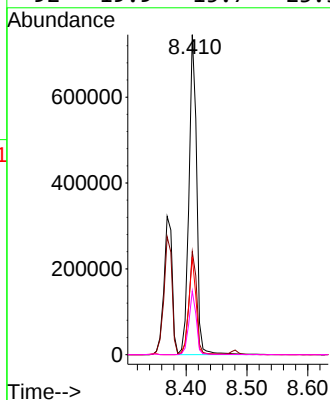
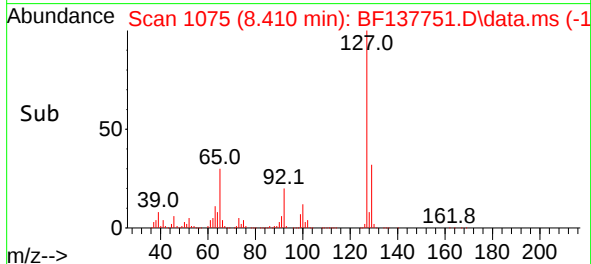
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



Tgt Ion:127 Resp: 65470
Ion Ratio Lower Upper
127 100
129 32.2 26.4 39.6
65 30.5 24.6 36.8
92 19.9 15.7 23.5

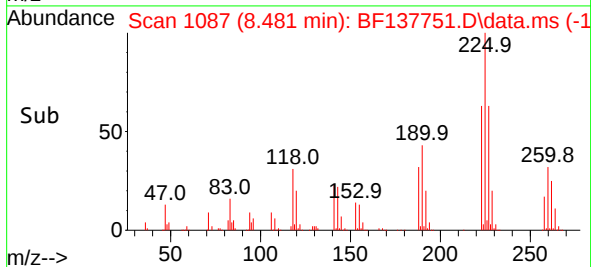
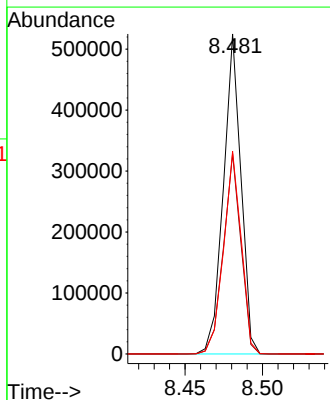
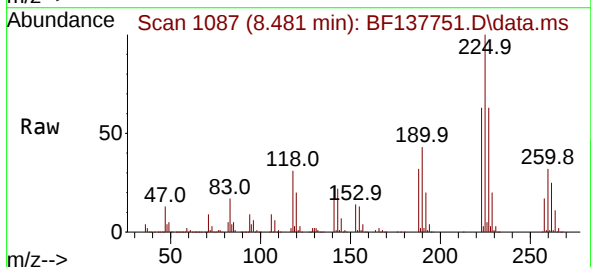
Manual Integrations
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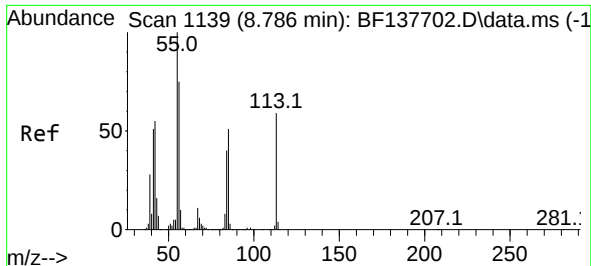
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#34
Hexachlorobutadiene
Concen: 41.485 ng
RT: 8.481 min Scan# 1087
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

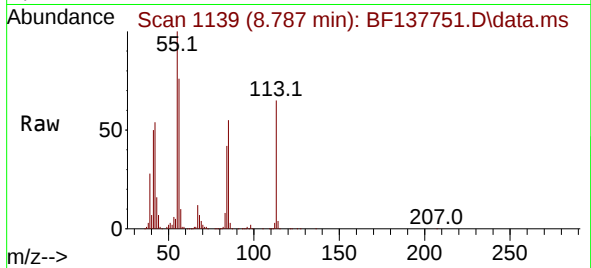
Tgt Ion:225 Resp: 412746
Ion Ratio Lower Upper
225 100
223 62.6 51.4 77.0
227 63.4 49.4 74.2





#35
 Caprolactam
 Concen: 41.433 ng m
 RT: 8.787 min Scan# 1139
 Delta R.T. 0.000 min
 Lab File: BF137751.D
 Acq: 29 Apr 2024 15:48

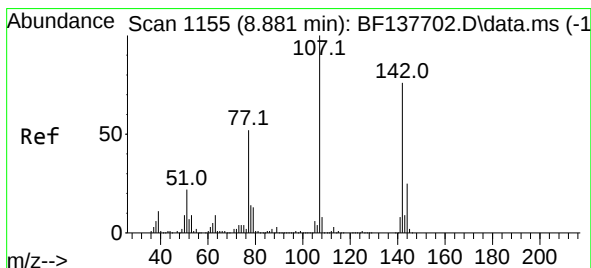
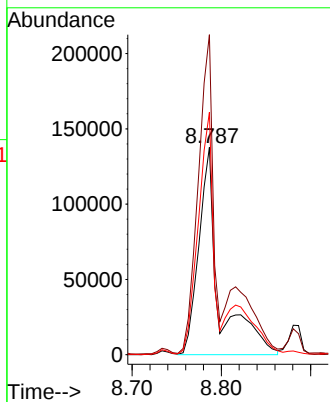
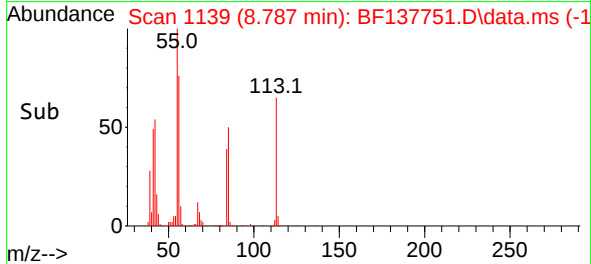
Instrument :
 BNA_F
 ClientSampleId :
 EXCAV-SOIL-1MS



Tgt Ion:113 Resp: 218115
 Ion Ratio Lower Upper
 113 100
 55 154.3 148.7 188.7
 56 116.9 107.2 147.2

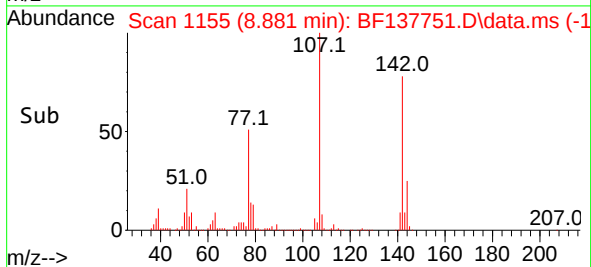
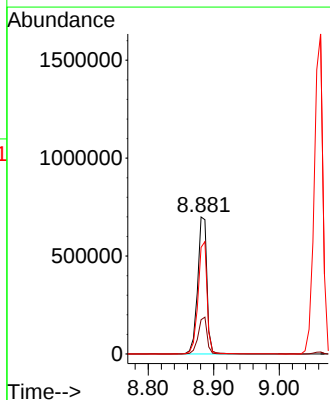
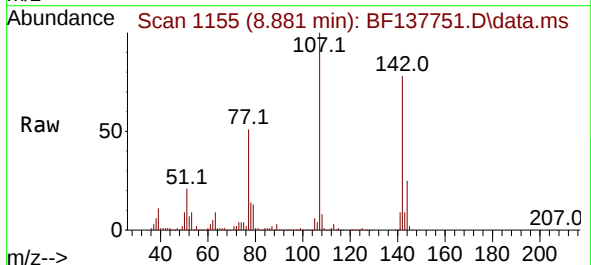
Manual Integrations
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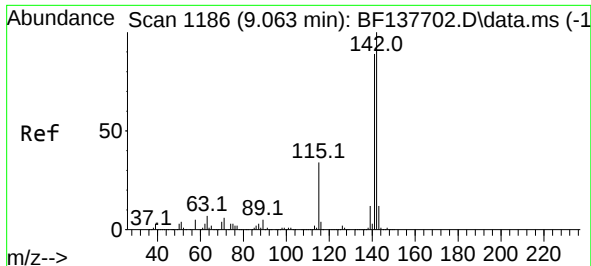
Reviewed By :Jagrut Upadhyay 04/30/2024
 Supervised By :mohammad ahmed 05/03/2024



#36
 4-Chloro-3-methylphenol
 Concen: 39.929 ng
 RT: 8.881 min Scan# 1155
 Delta R.T. 0.000 min
 Lab File: BF137751.D
 Acq: 29 Apr 2024 15:48

Tgt Ion:107 Resp: 689543
 Ion Ratio Lower Upper
 107 100
 144 25.0 19.8 29.8
 142 77.8 60.5 90.7





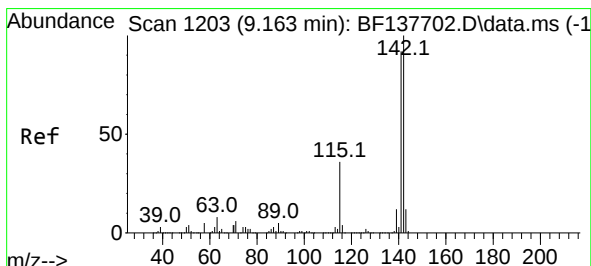
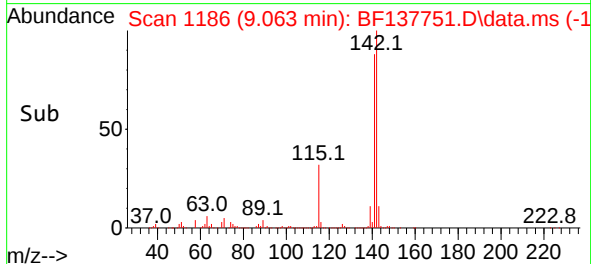
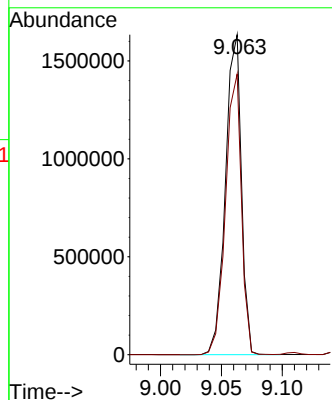
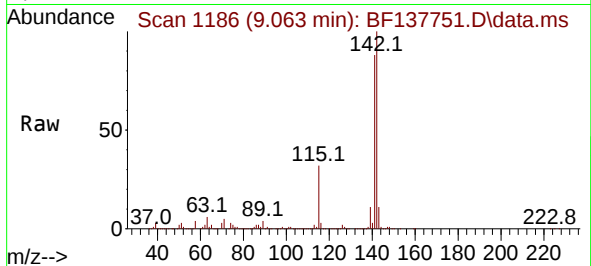
#37
2-Methylnaphthalene
Concen: 38.620 ng
RT: 9.063 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS

Tgt Ion:142 Resp: 149136
Ion Ratio Lower Upper
142 100
141 87.7 71.2 106.8

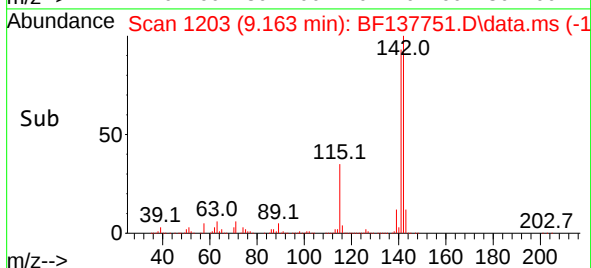
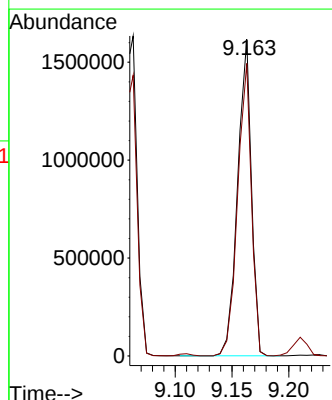
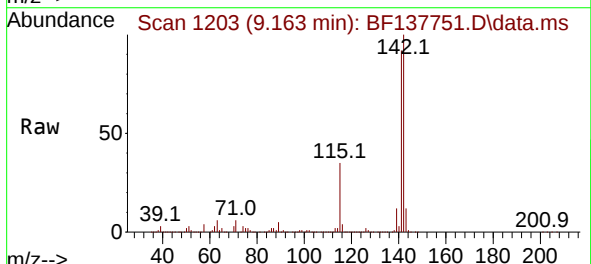
Manual Integrations
APPROVED

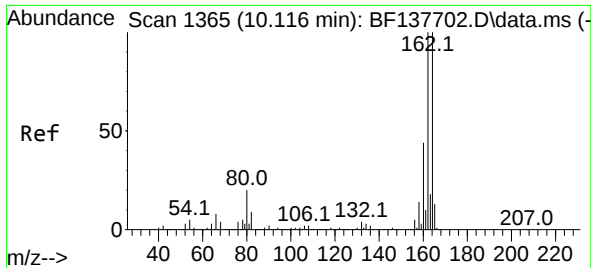
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#38
1-Methylnaphthalene
Concen: 37.796 ng
RT: 9.163 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

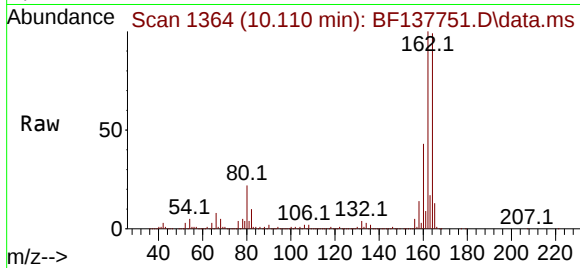
Tgt Ion:142 Resp: 1364611
Ion Ratio Lower Upper
142 100
141 92.4 73.4 110.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.110 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

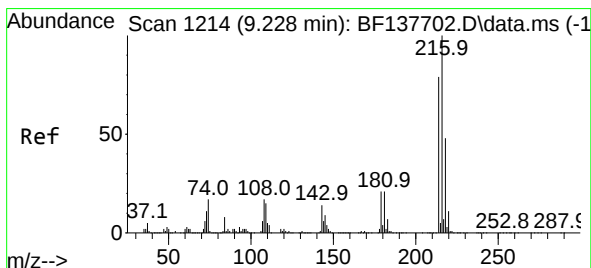
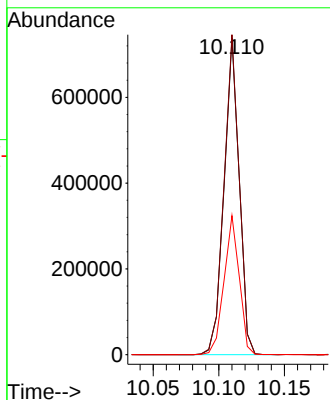
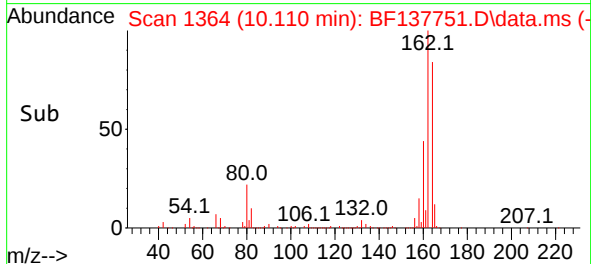
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



Tgt Ion:164 Resp: 59316
Ion Ratio Lower Upper
164 100
162 101.1 80.3 120.5
160 43.9 35.0 52.4

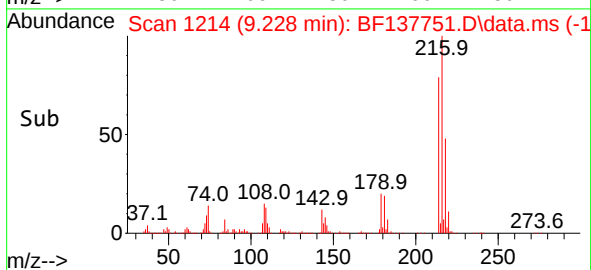
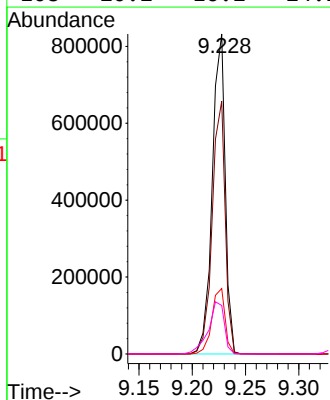
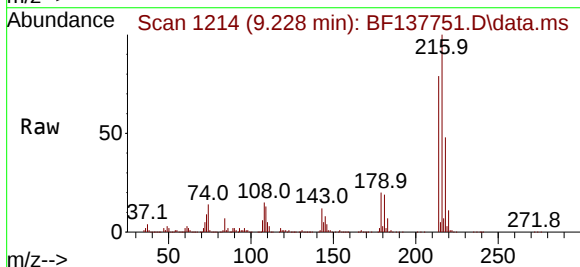
Manual Integrations
APPROVED

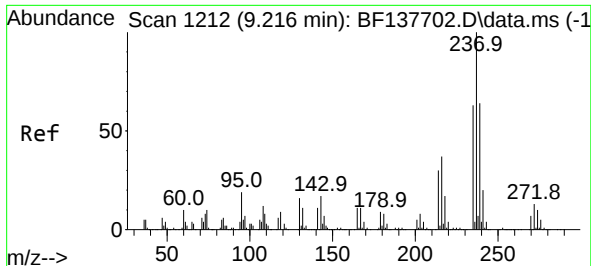
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.374 ng
RT: 9.228 min Scan# 1214
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

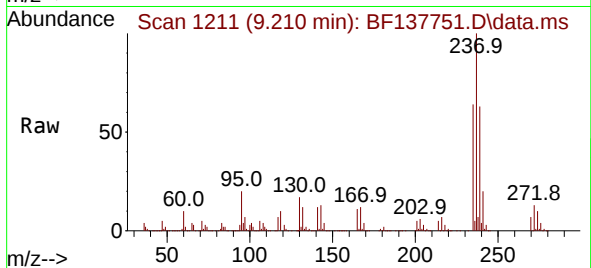
Tgt Ion:216 Resp: 705352
Ion Ratio Lower Upper
216 100
214 79.3 63.4 95.0
179 20.9 17.1 25.7
108 20.2 16.2 24.2





#41
Hexachlorocyclopentadiene
Concen: 78.136 ng
RT: 9.210 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

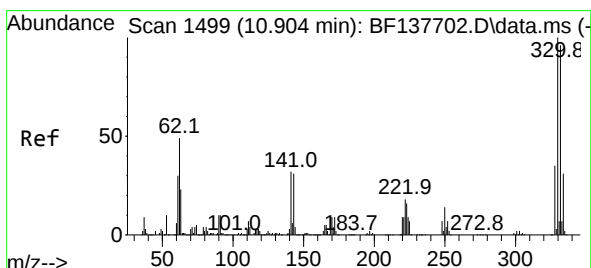
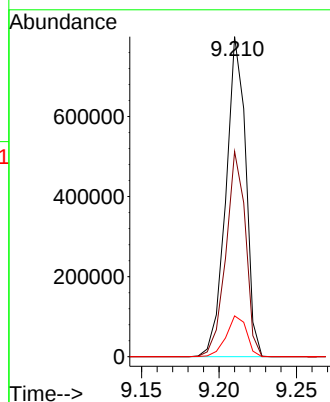
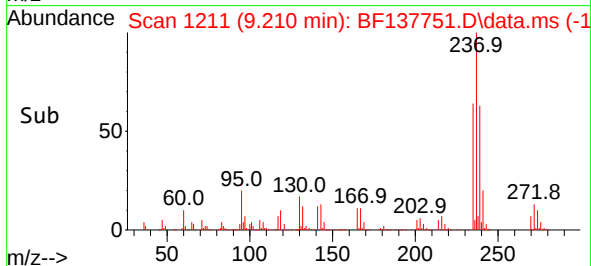
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



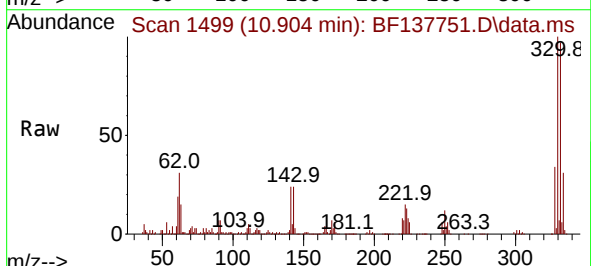
Tgt Ion:237 Resp: 711954
Ion Ratio Lower Upper
237 100
235 64.1 42.9 82.9
272 12.8 0.0 33.1

Manual Integrations
APPROVED

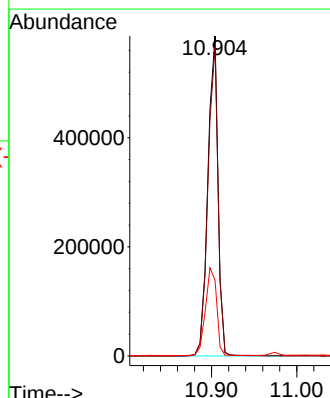
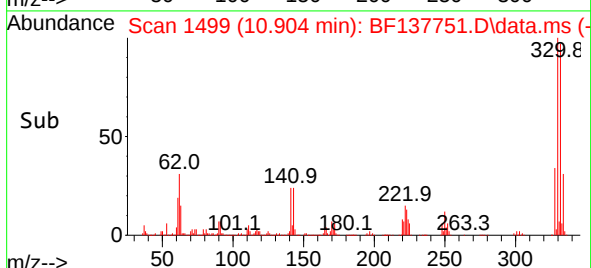
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

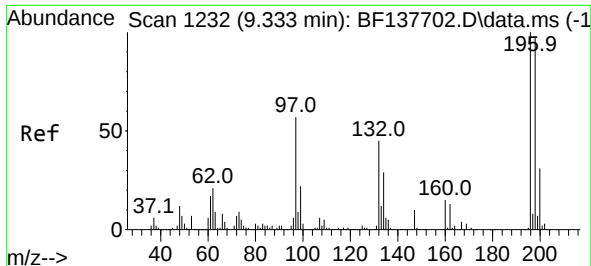


#42
2,4,6-Tribromophenol
Concen: 81.071 ng
RT: 10.904 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48



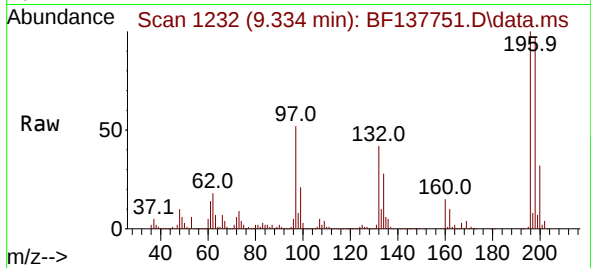
Tgt Ion:330 Resp: 485254
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 30.4 27.0 40.4





#43
2,4,6-Trichlorophenol
Concen: 43.321 ng
RT: 9.334 min Scan# 1232
Delta R.T. 0.001 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

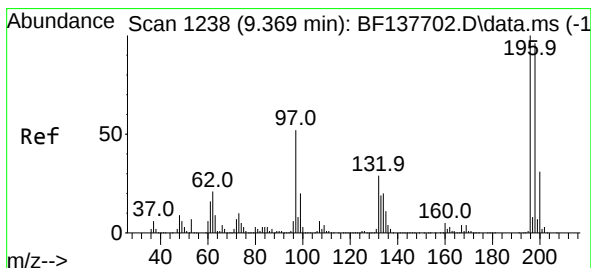
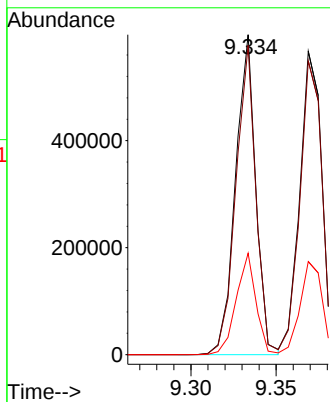
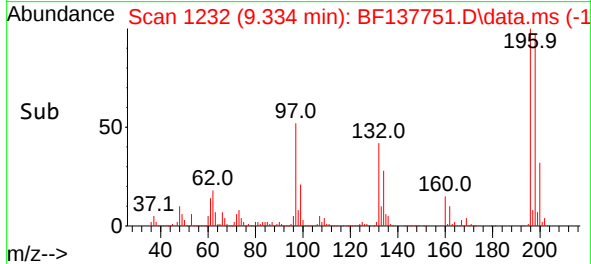
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



Tgt Ion:196 Resp: 49421
Ion Ratio Lower Upper
196 100
198 96.6 77.8 116.6
200 31.7 25.0 37.4

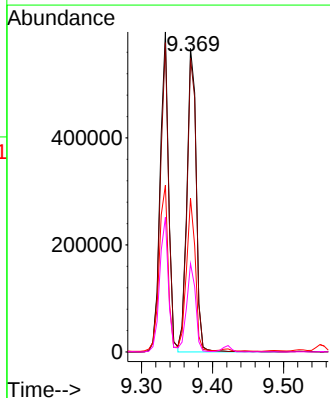
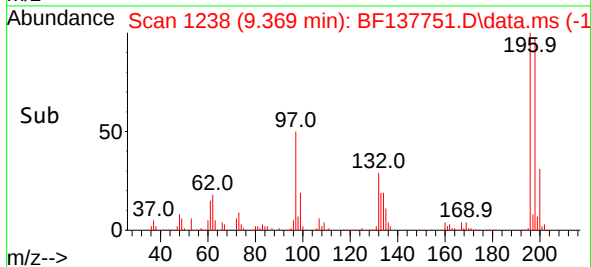
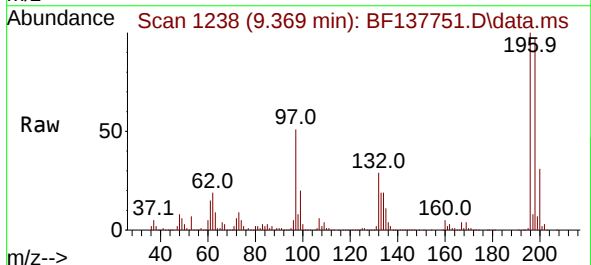
Manual Integrations
APPROVED

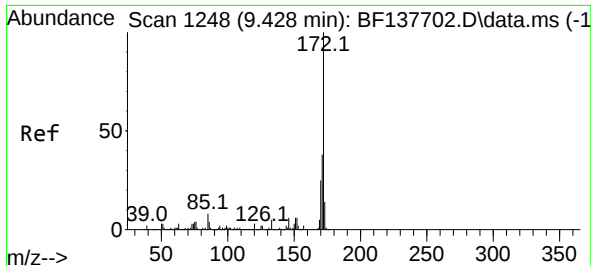
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#44
2,4,5-Trichlorophenol
Concen: 39.614 ng
RT: 9.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

Tgt Ion:196 Resp: 517925
Ion Ratio Lower Upper
196 100
198 96.8 77.2 115.8
97 50.6 41.8 62.8
132 29.1 23.2 34.8





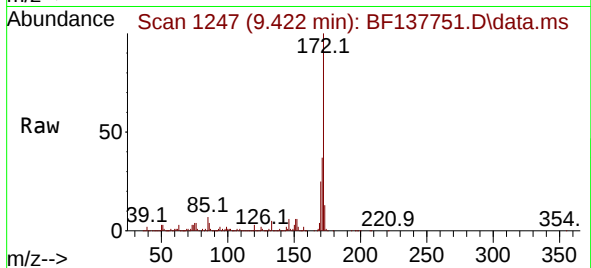
#45
2-Fluorobiphenyl
Concen: 52.291 ng
RT: 9.422 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MS

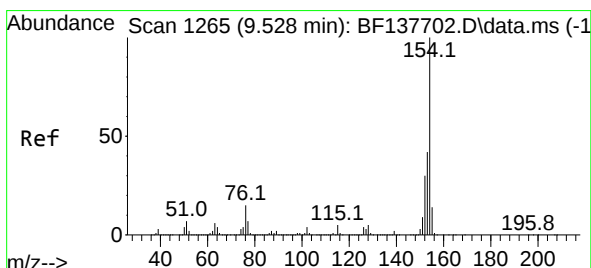
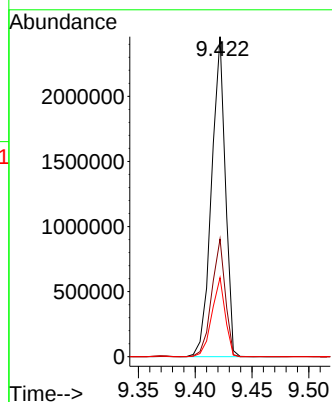
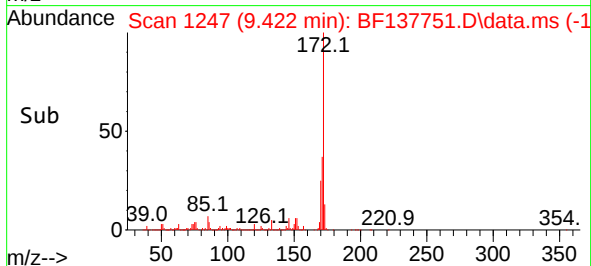


Tgt Ion:172 Resp: 2075830
Ion Ratio Lower Upper
172 100
171 36.8 30.2 45.4
170 24.7 20.2 30.4

Manual Integrations

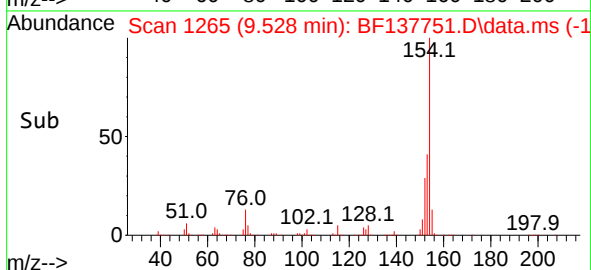
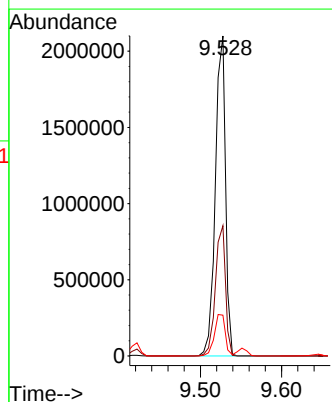
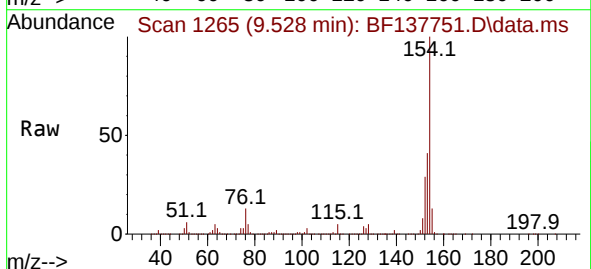
APPROVED

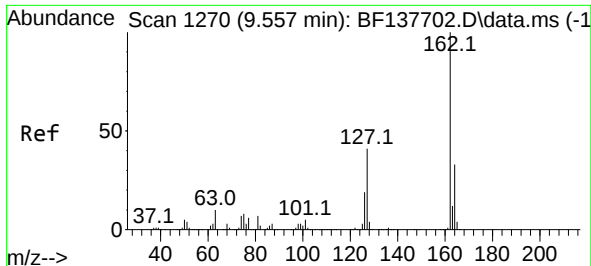
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#46
1,1'-Biphenyl
Concen: 42.126 ng
RT: 9.528 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

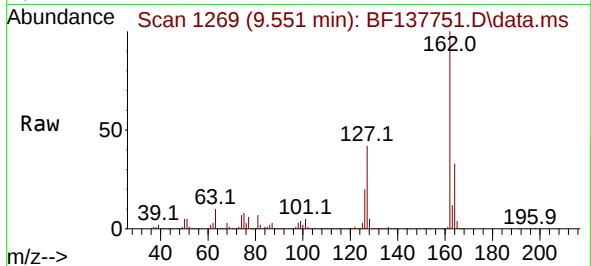
Tgt Ion:154 Resp: 1817787
Ion Ratio Lower Upper
154 100
153 40.7 21.9 61.9
76 12.7 0.0 35.3





#47
2-Chloronaphthalene
Concen: 42.460 ng
RT: 9.551 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

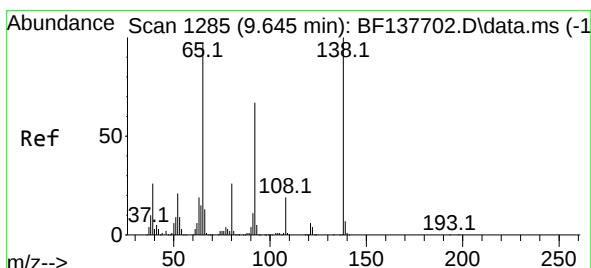
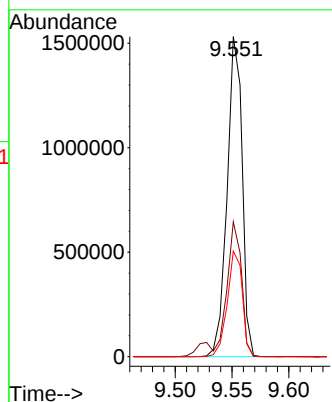
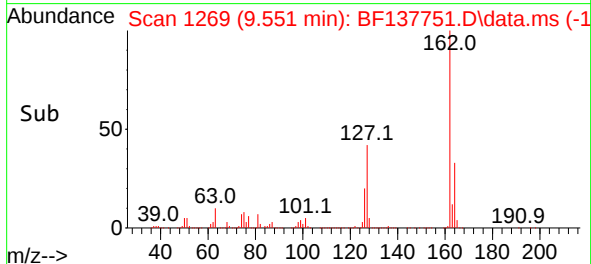
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



Tgt Ion:162 Resp: 141239
Ion Ratio Lower Upper
162 100
127 42.2 33.1 49.7
164 33.0 26.5 39.7

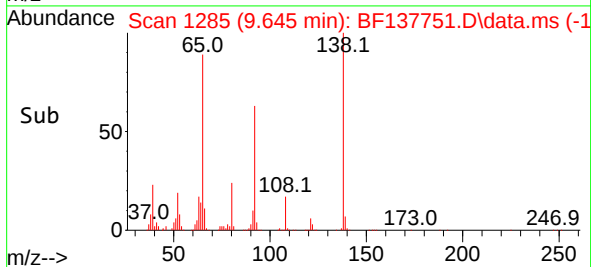
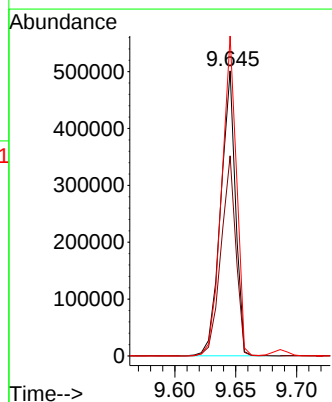
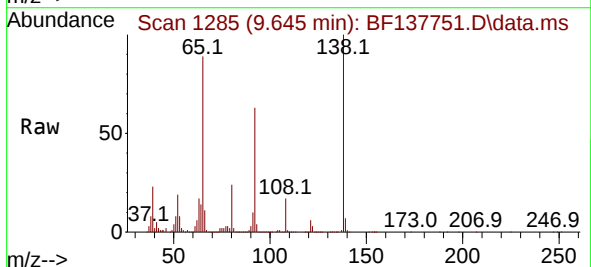
Manual Integrations
APPROVED

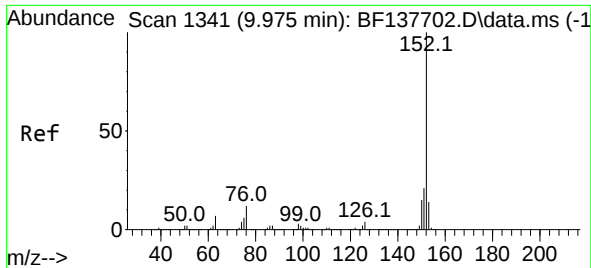
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#48
2-Nitroaniline
Concen: 41.989 ng
RT: 9.645 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

Tgt Ion: 65 Resp: 425608
Ion Ratio Lower Upper
65 100
92 70.2 54.9 82.3
138 112.2 82.4 123.6





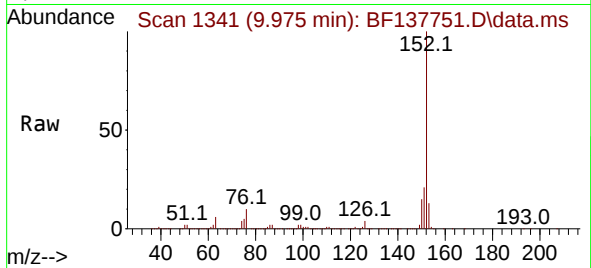
#49
Acenaphthylene
Concen: 42.391 ng
RT: 9.975 min Scan# 1341
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MS

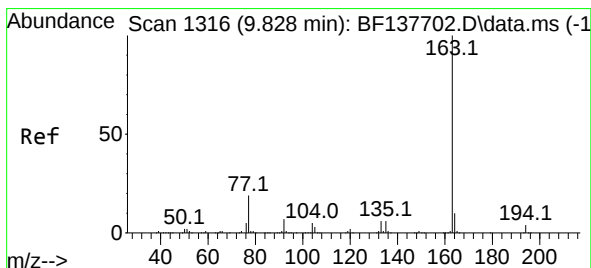
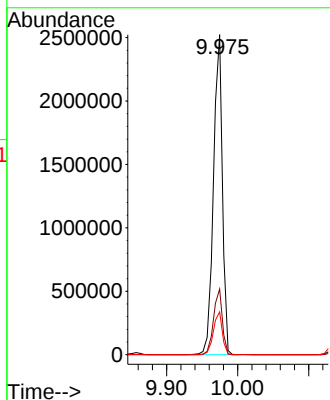
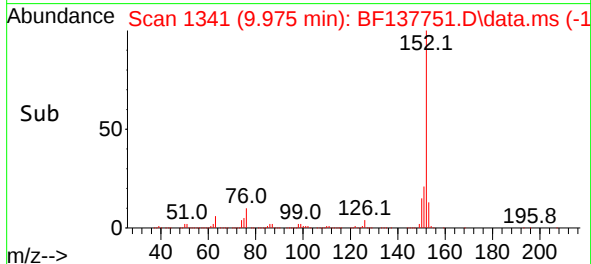


Tgt Ion:152 Resp: 2198970
Ion Ratio Lower Upper
152 100
151 20.5 16.8 25.2
153 13.4 11.0 16.4

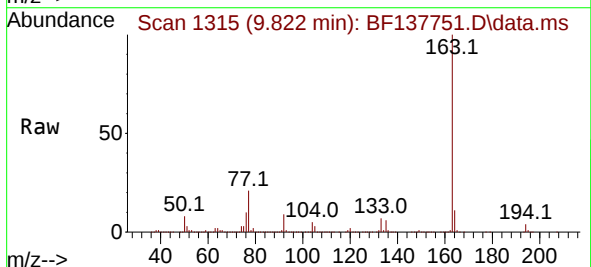
Manual Integrations

APPROVED

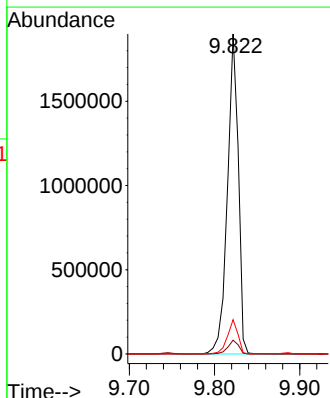
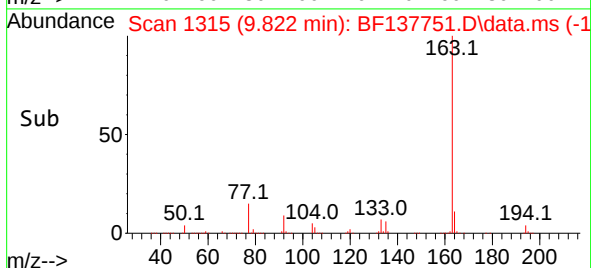
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

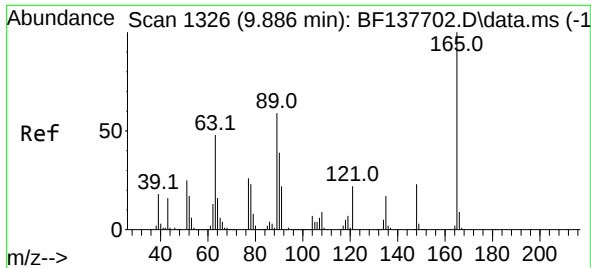


#50
Dimethylphthalate
Concen: 40.809 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48



Tgt Ion:163 Resp: 1686536
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.7 8.2 12.2





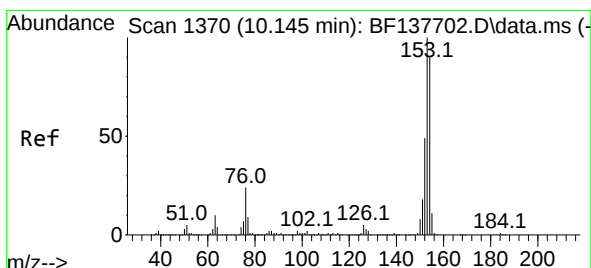
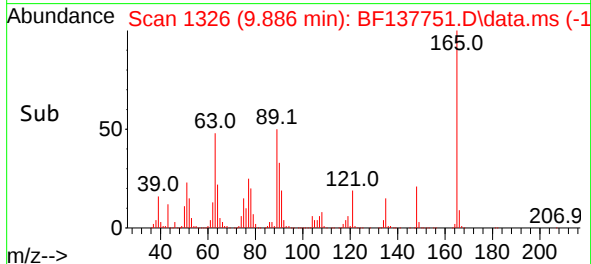
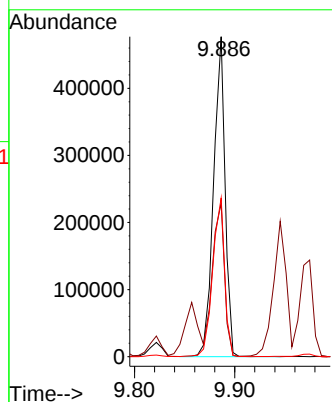
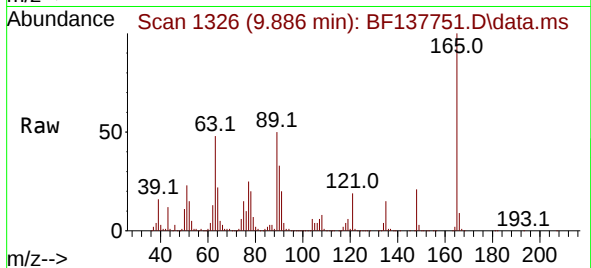
#51
2,6-Dinitrotoluene
Concen: 43.743 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS

Tgt Ion:165 Resp: 38089
Ion Ratio Lower Upper
165 100
63 47.9 47.7 71.5
89 49.6 47.3 70.9

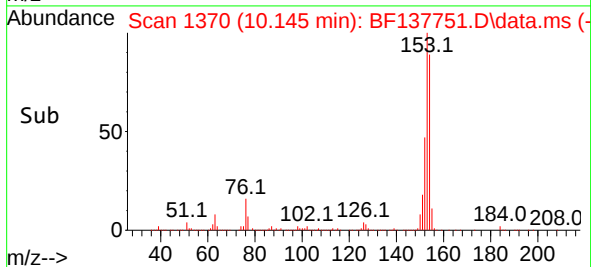
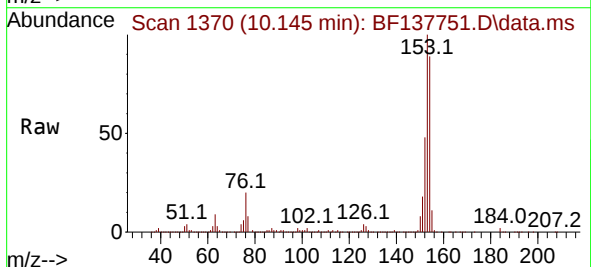
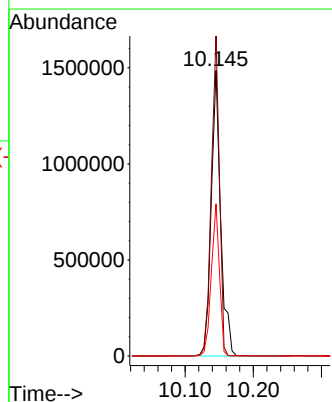
Manual Integrations
APPROVED

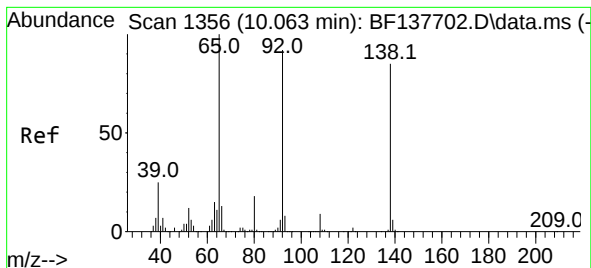
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#52
Acenaphthene
Concen: 42.699 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

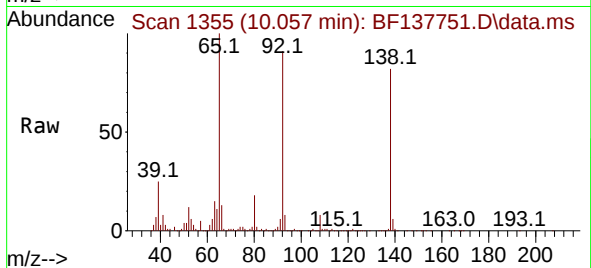
Tgt Ion:154 Resp: 1434230
Ion Ratio Lower Upper
154 100
153 112.1 88.5 132.7
152 53.3 43.3 64.9





#53
3-Nitroaniline
Concen: 33.331 ng
RT: 10.057 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

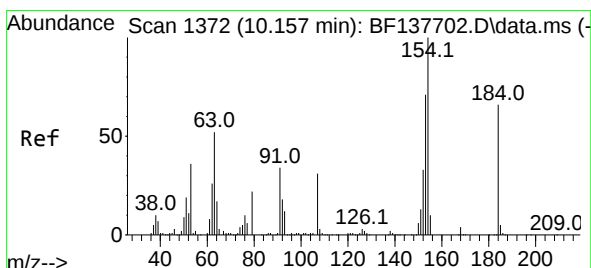
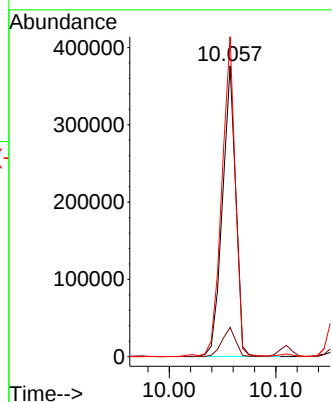
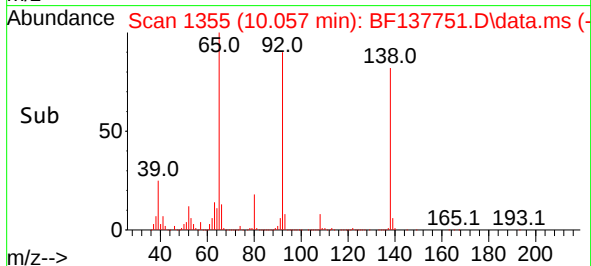
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



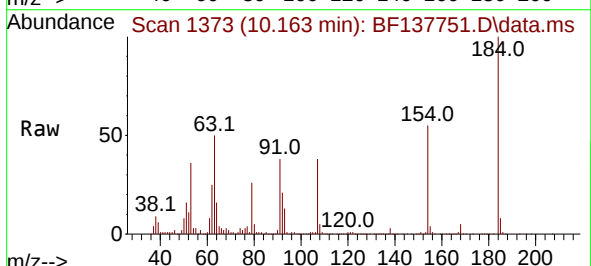
Tgt Ion:138 Resp: 326154
Ion Ratio Lower Upper
138 100
108 10.1 8.3 12.5
92 110.0 86.9 130.3

Manual Integrations
APPROVED

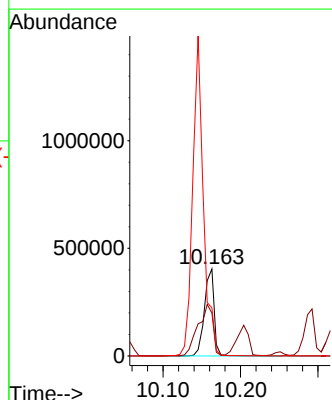
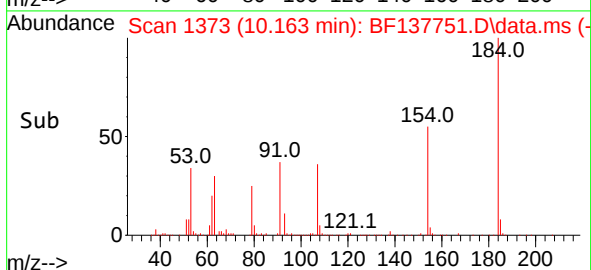
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

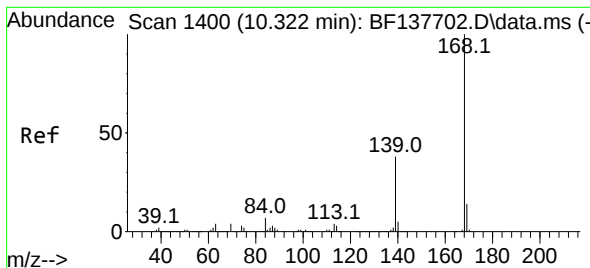


#54
2,4-Dinitrophenol
Concen: 76.280 ng
RT: 10.163 min Scan# 1373
Delta R.T. 0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48



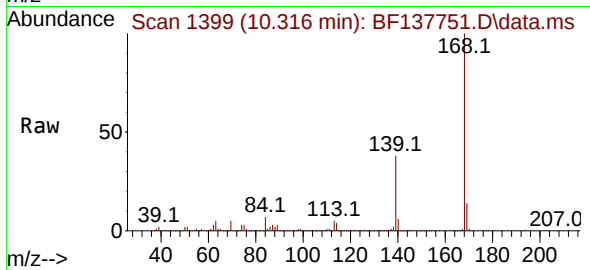
Tgt Ion:184 Resp: 351611
Ion Ratio Lower Upper
184 100
63 49.5 63.5 95.3#
154 55.3 123.0 184.6#





#55
Dibenzofuran
Concen: 40.215 ng
RT: 10.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

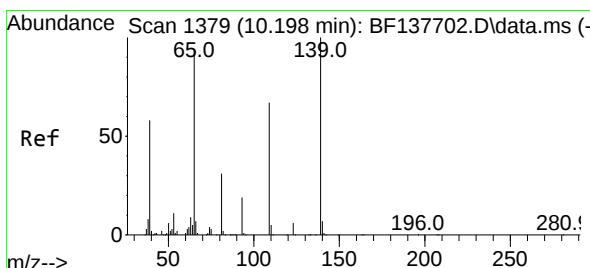
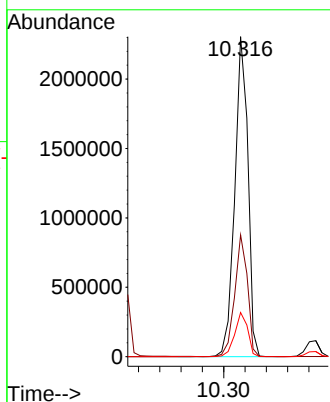
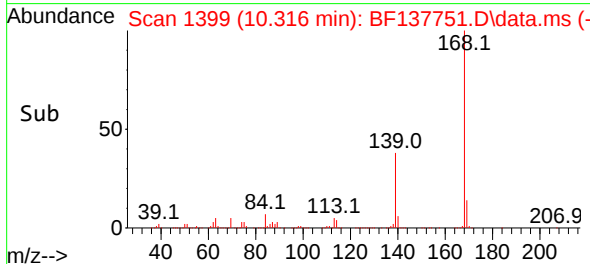
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



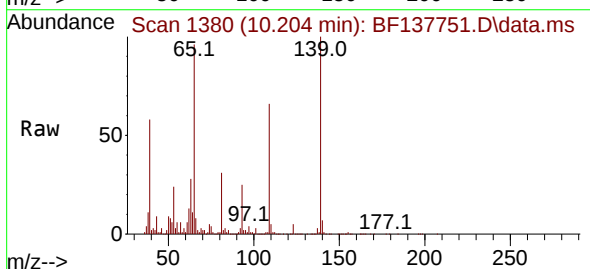
Tgt Ion:168 Resp: 198006
Ion Ratio Lower Upper
168 100
139 38.0 30.1 45.1
169 13.8 10.9 16.3

Manual Integrations
APPROVED

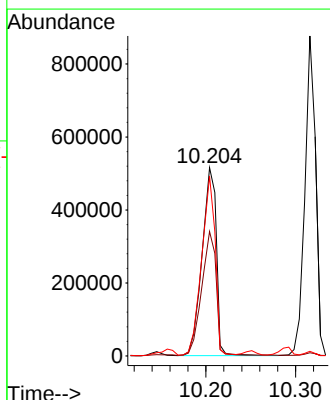
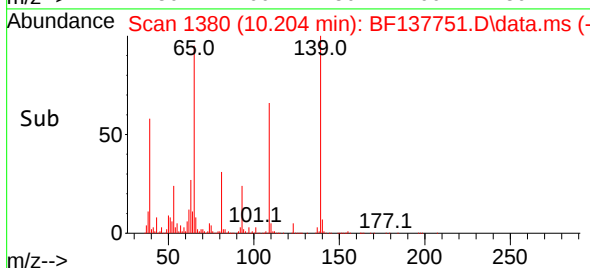
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

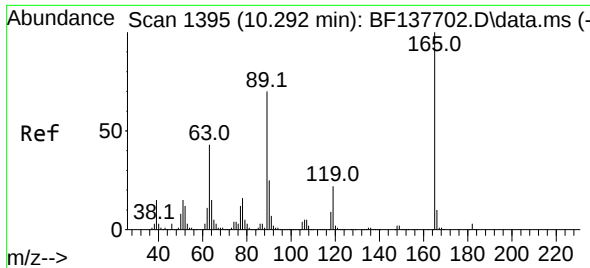


#56
4-Nitrophenol
Concen: 74.773 ng
RT: 10.204 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48



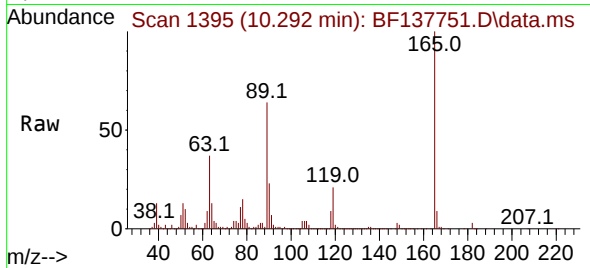
Tgt Ion:139 Resp: 569010
Ion Ratio Lower Upper
139 100
109 66.1 46.9 86.9
65 95.5 75.8 115.8





#57
2,4-Dinitrotoluene
Concen: 45.313 ng
RT: 10.292 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

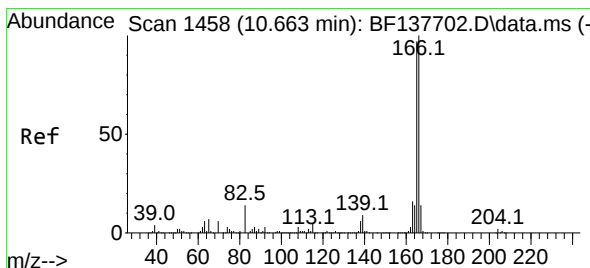
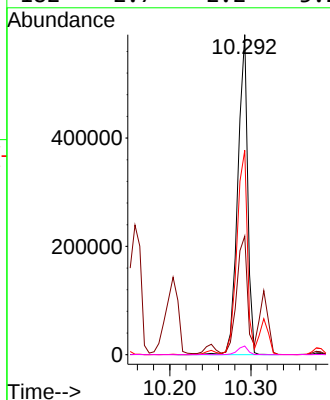
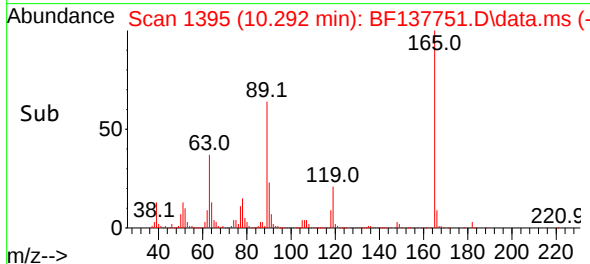
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



Tgt Ion:165 Resp: 497429
Ion Ratio Lower Upper
165 100
63 37.1 34.1 51.1
89 63.9 56.4 84.6
182 2.7 2.2 3.2

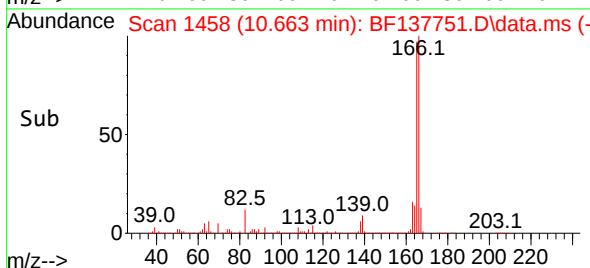
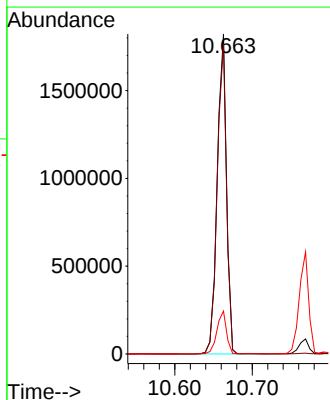
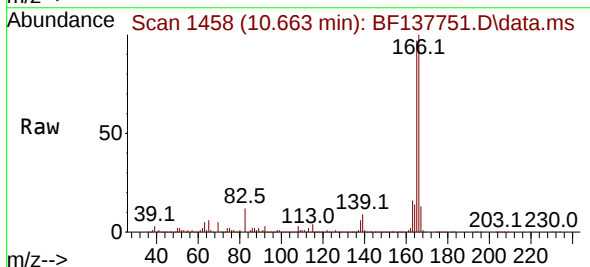
Manual Integrations
APPROVED

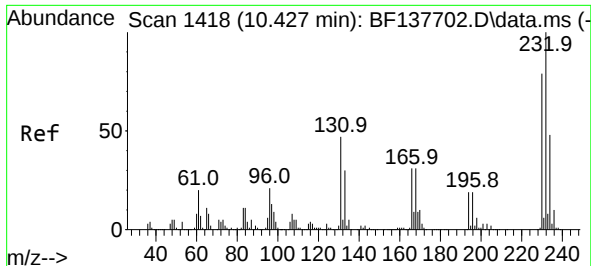
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#58
Fluorene
Concen: 39.797 ng
RT: 10.663 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

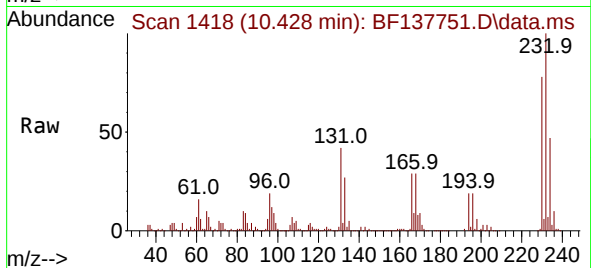
Tgt Ion:166 Resp: 1531067
Ion Ratio Lower Upper
166 100
165 96.8 77.8 116.6
167 13.4 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.304 ng
RT: 10.428 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

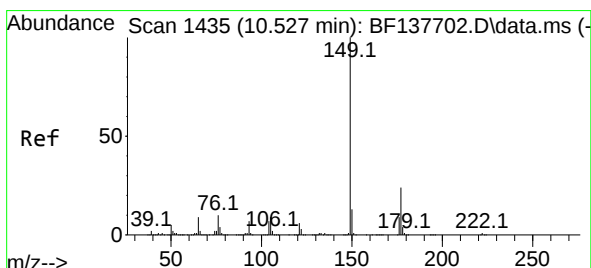
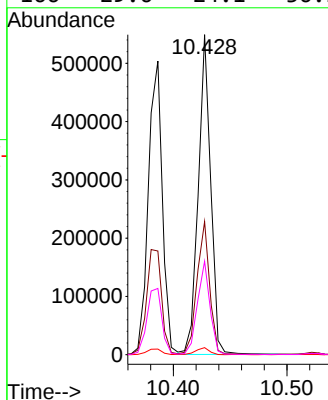
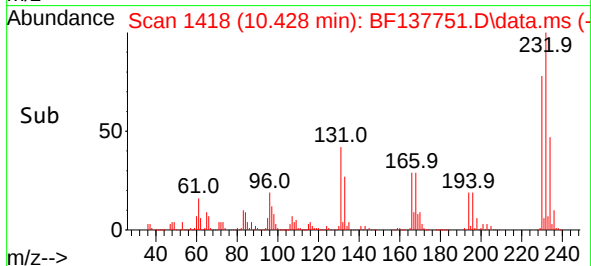
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



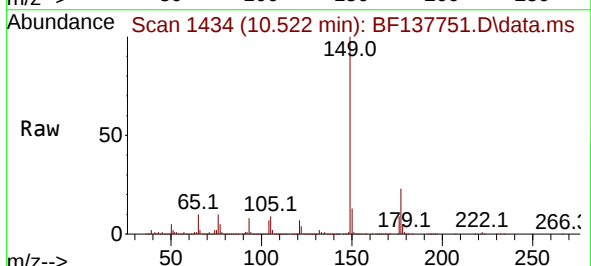
Tgt Ion:232 Resp: 41815
Ion Ratio Lower Upper
232 100
131 42.5 36.4 54.6
130 2.3 1.8 2.6
166 29.6 24.1 36.1

Manual Integrations
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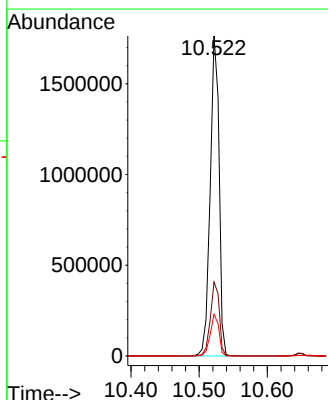
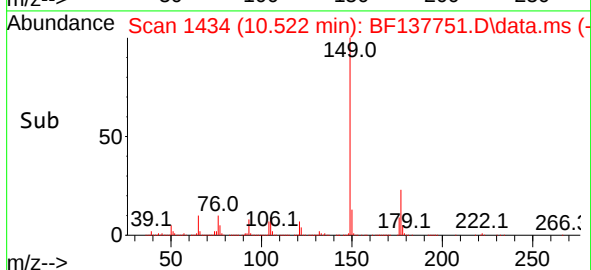
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

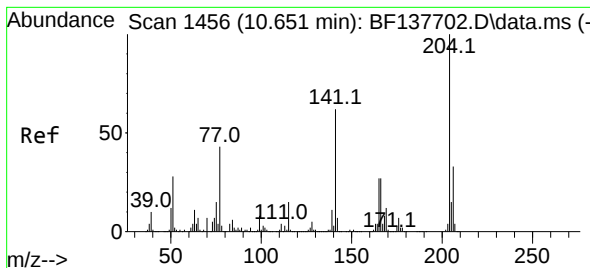


#60
Diethylphthalate
Concen: 40.162 ng
RT: 10.522 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48



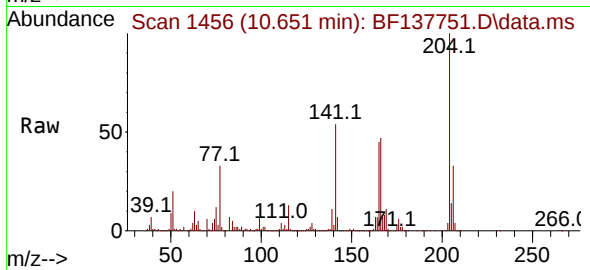
Tgt Ion:149 Resp: 1596441
Ion Ratio Lower Upper
149 100
177 23.1 19.0 28.4
150 13.0 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 40.422 ng
RT: 10.651 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

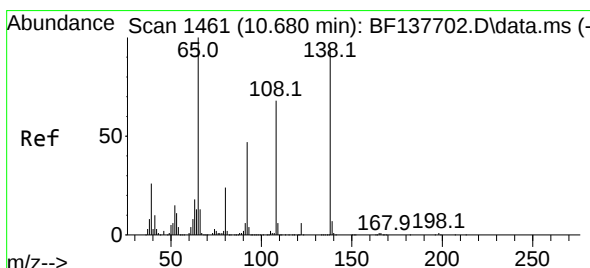
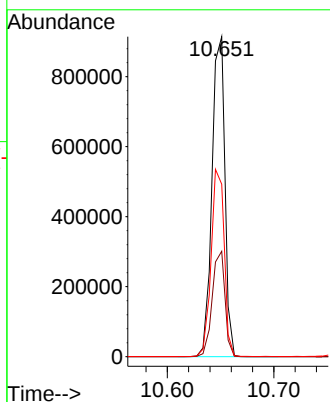
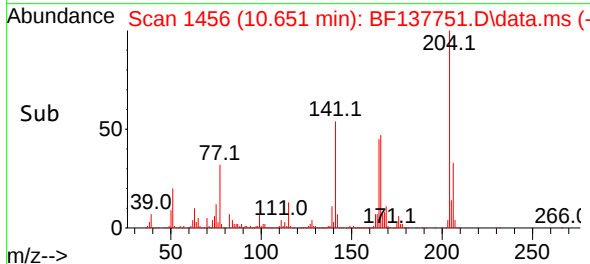
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



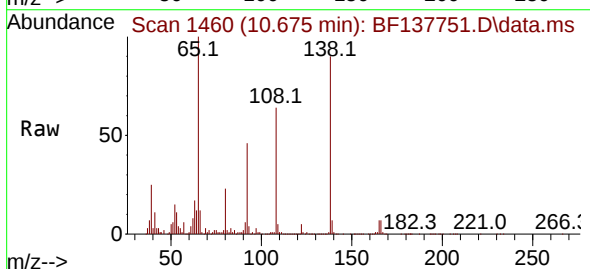
Tgt Ion:204 Resp: 76840
Ion Ratio Lower Upper
204 100
206 33.0 26.3 39.5
141 53.9 49.4 74.2

Manual Integrations
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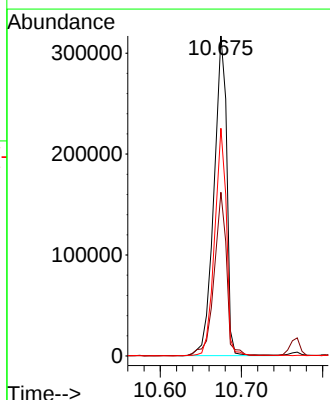
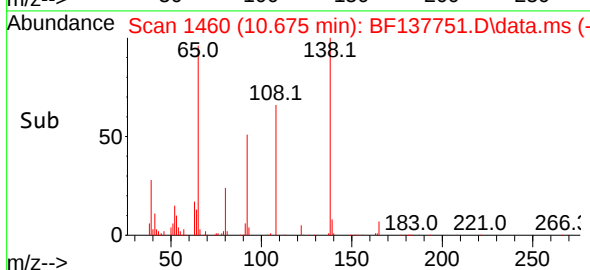
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

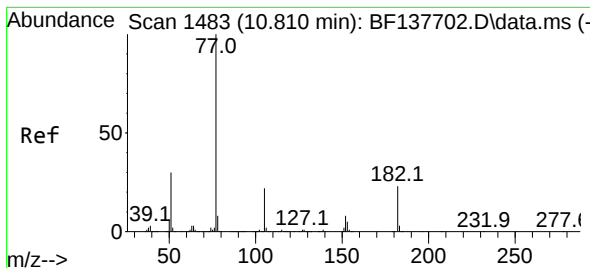


#62
4-Nitroaniline
Concen: 37.190 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48



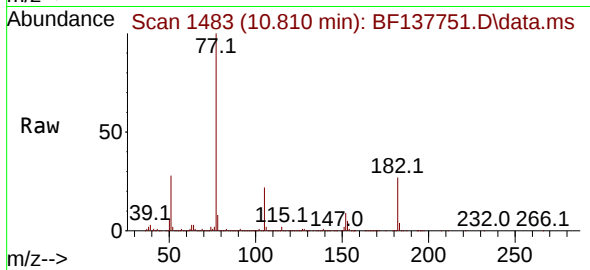
Tgt Ion:138 Resp: 346628
Ion Ratio Lower Upper
138 100
92 51.2 29.8 69.8
108 71.2 51.1 91.1





#63
Azobenzene
Concen: 37.600 ng
RT: 10.810 min Scan# 1483
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

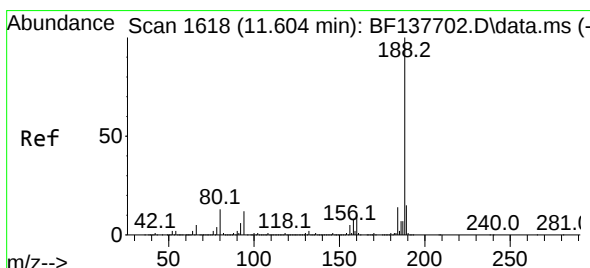
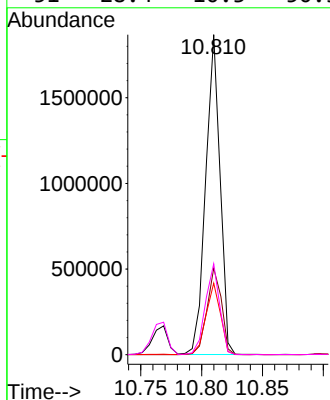
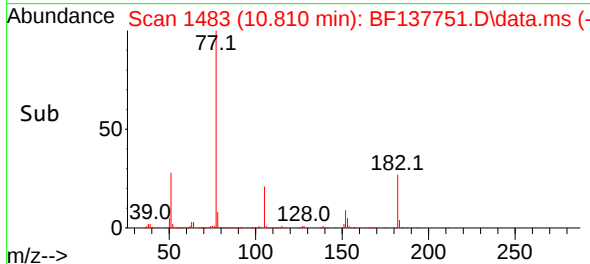
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



Tgt Ion: 77 Resp: 1531520
Ion Ratio Lower Upper
77 100
182 27.0 3.1 43.1
105 22.3 1.6 41.6
51 28.4 10.3 50.3

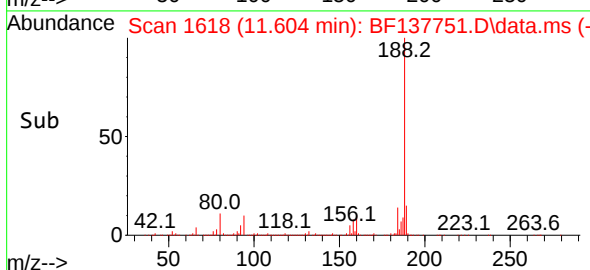
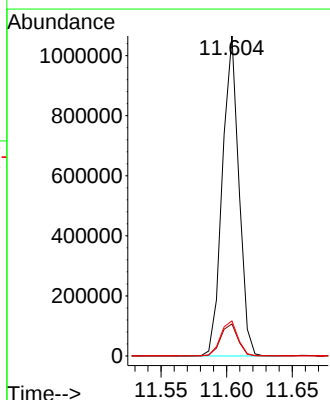
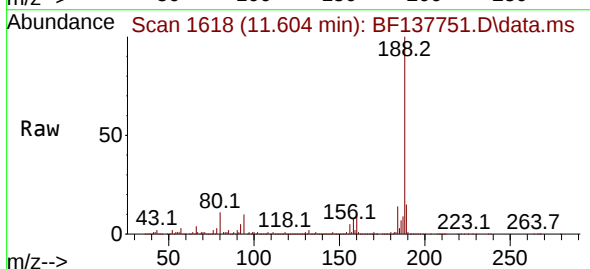
Manual Integrations
APPROVED

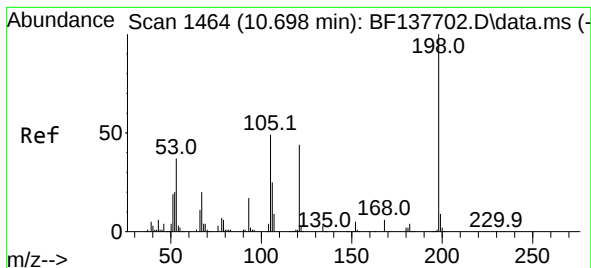
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.604 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

Tgt Ion:188 Resp: 929916
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.2
80 10.9 10.2 15.4





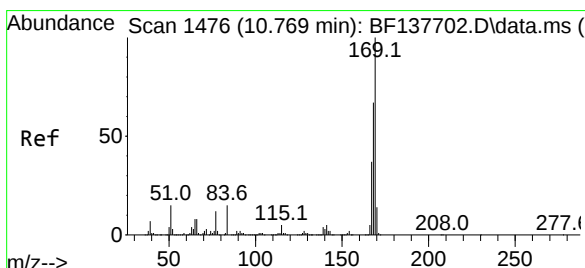
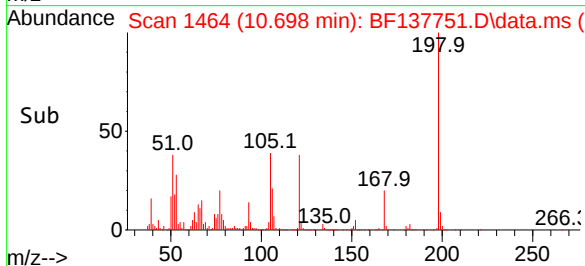
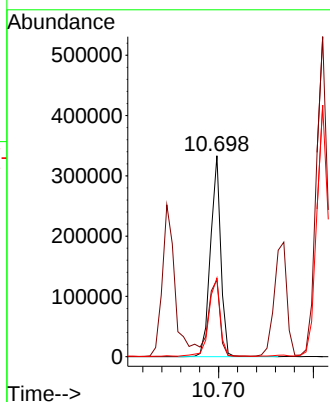
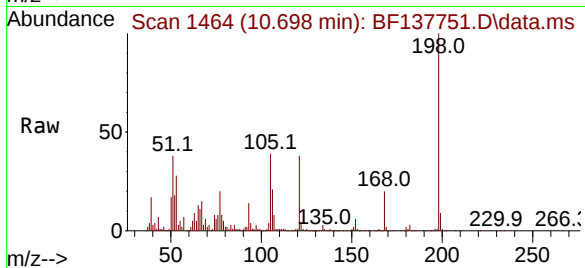
#65
4,6-Dinitro-2-methylphenol
Concen: 46.758 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS

Tgt Ion:198 Resp: 249300
Ion Ratio Lower Upper
198 100
51 38.3 33.5 73.5
105 39.1 29.3 69.3

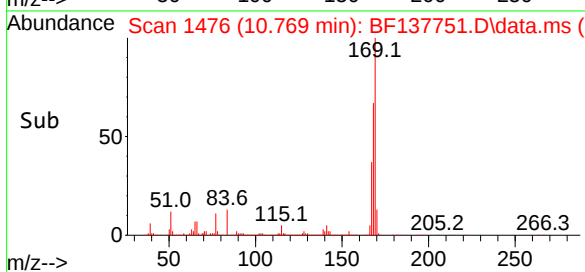
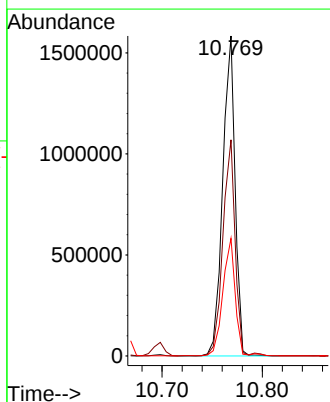
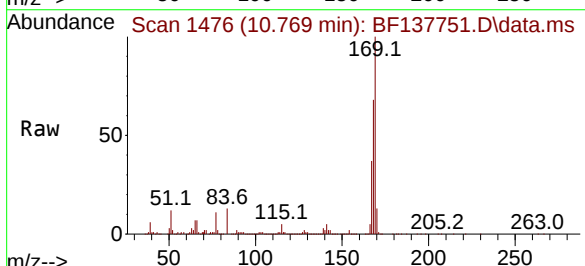
Manual Integrations
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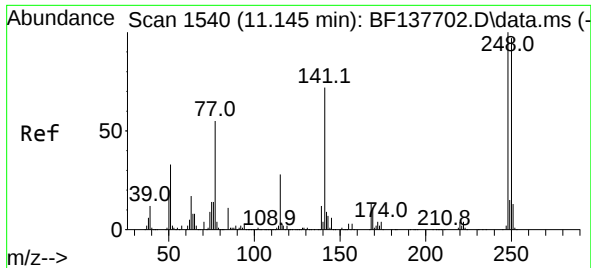
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#66
n-Nitrosodiphenylamine
Concen: 42.950 ng
RT: 10.769 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

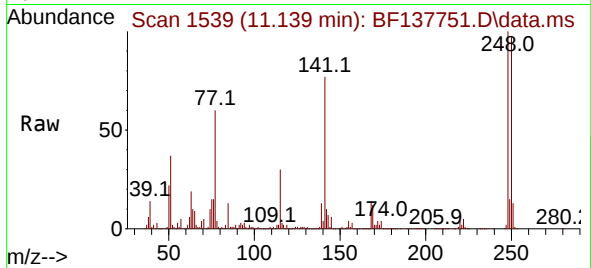
Tgt Ion:169 Resp: 1352712
Ion Ratio Lower Upper
169 100
168 67.5 53.4 80.2
167 36.7 29.6 44.4





#67
4-Bromophenyl-phenylether
Concen: 43.809 ng
RT: 11.139 min Scan# 1539
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

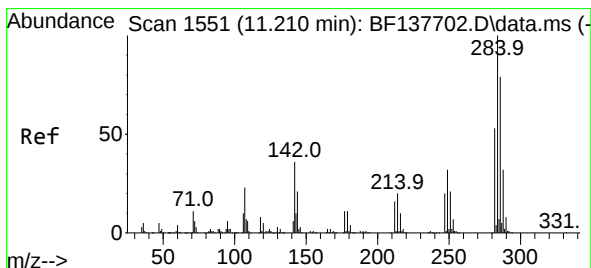
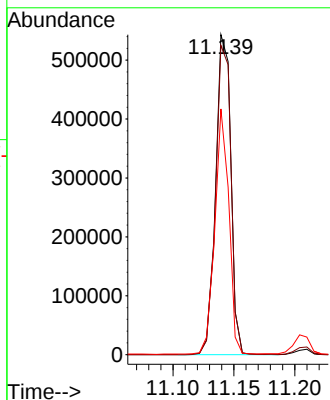
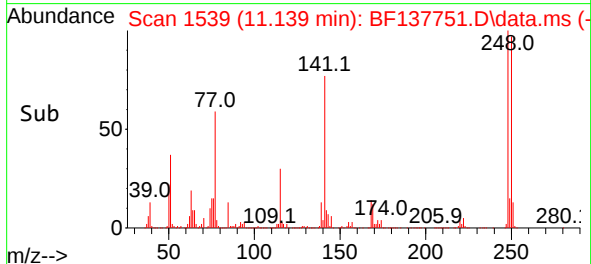
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



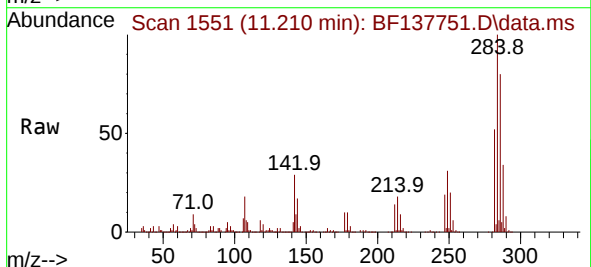
Tgt Ion:248 Resp: 472050
Ion Ratio Lower Upper
248 100
250 96.7 77.4 116.0
141 76.8 57.9 86.9

Manual Integrations
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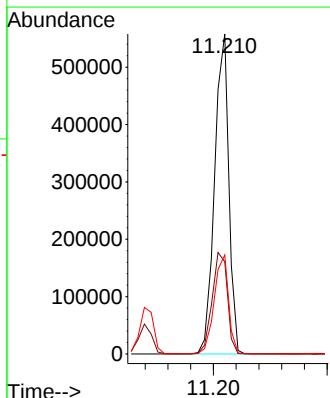
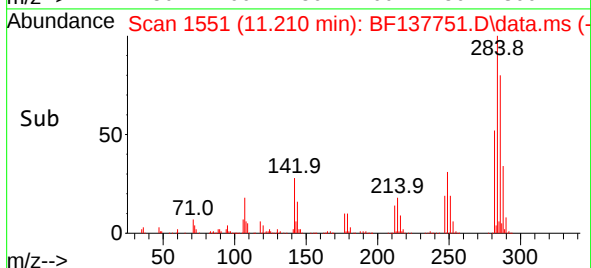
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

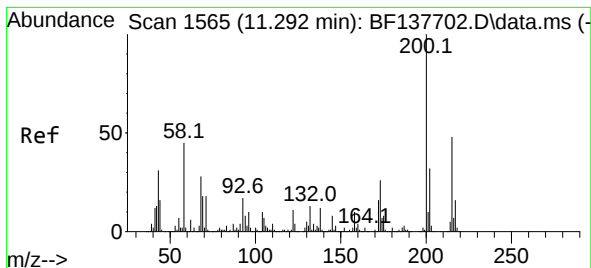


#68
Hexachlorobenzene
Concen: 46.188 ng
RT: 11.210 min Scan# 1551
Delta R.T. 0.000 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48



Tgt Ion:284 Resp: 484851
Ion Ratio Lower Upper
284 100
142 28.8 28.5 42.7
249 31.0 25.6 38.4





#69

Atrazine

Concen: 50.515 ng

RT: 11.292 min Scan# 1565

Delta R.T. 0.000 min

Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MS

Tgt Ion:200 Resp: 439799

Ion Ratio Lower Upper

200 100

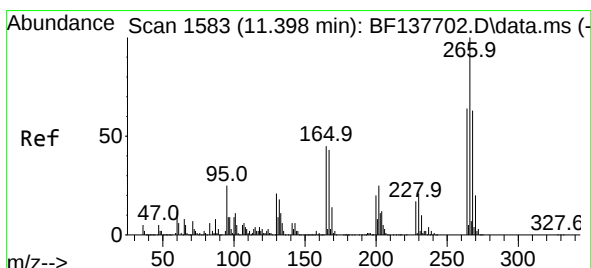
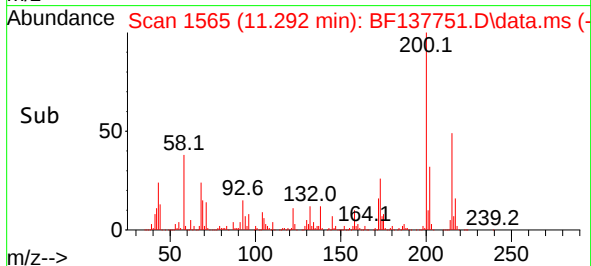
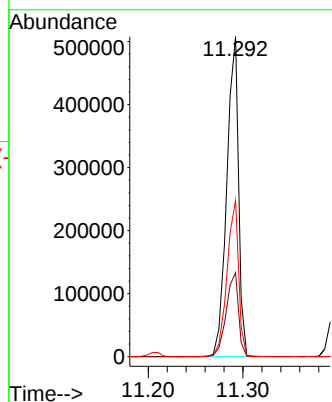
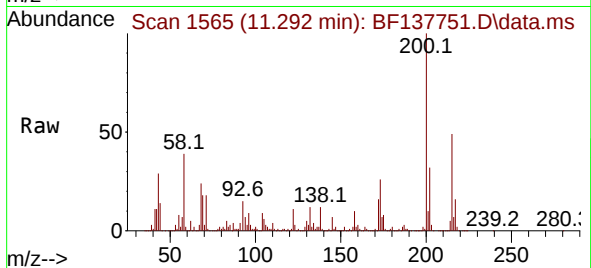
173 26.2 6.3 46.3

215 48.9 28.0 68.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#70

Pentachlorophenol

Concen: 73.163 ng

RT: 11.398 min Scan# 1583

Delta R.T. 0.000 min

Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

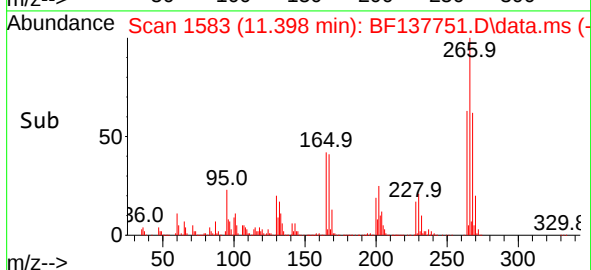
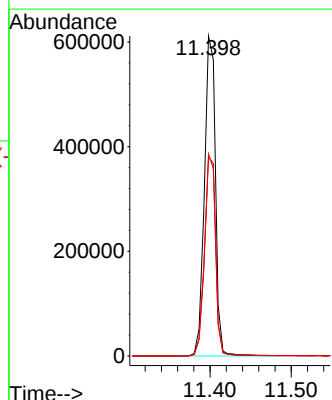
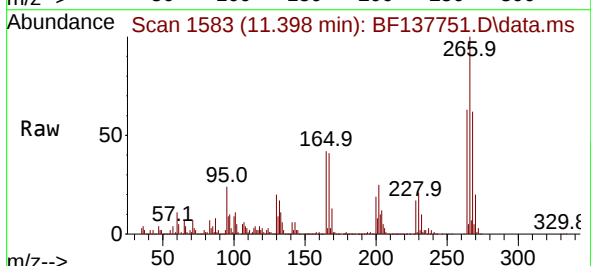
Tgt Ion:266 Resp: 577738

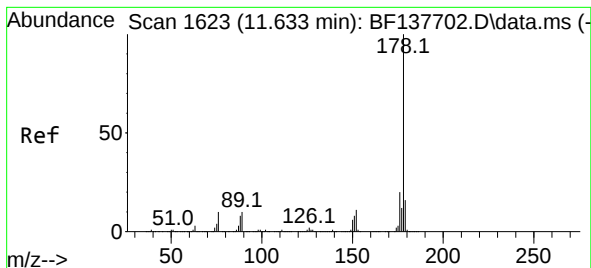
Ion Ratio Lower Upper

266 100

268 62.2 50.4 75.6

264 63.2 51.4 77.0





#71

Phenanthrene

Concen: 40.984 ng

RT: 11.628 min Scan# 1622

Delta R.T. -0.006 min

Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MS

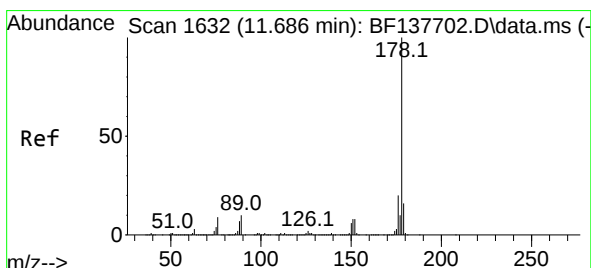
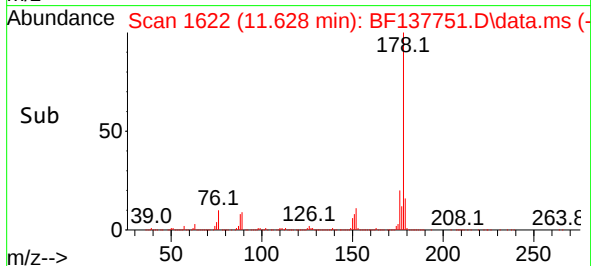
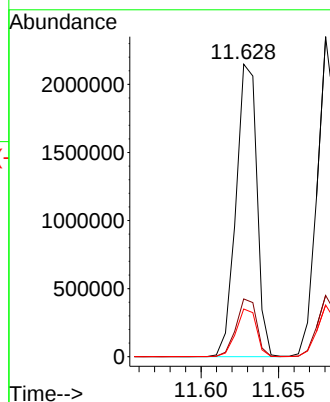
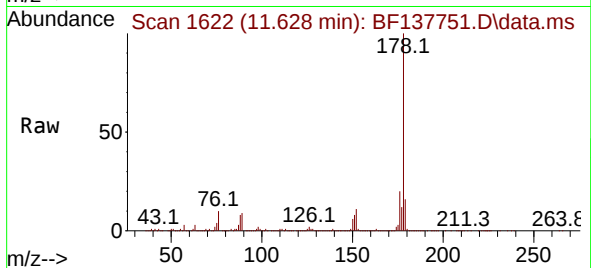
Tgt Ion:178 Resp: 201745

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.4	24.6
179	16.3	12.8	19.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#72

Anthracene

Concen: 40.499 ng

RT: 11.680 min Scan# 1631

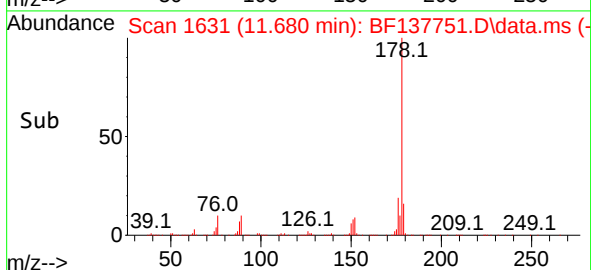
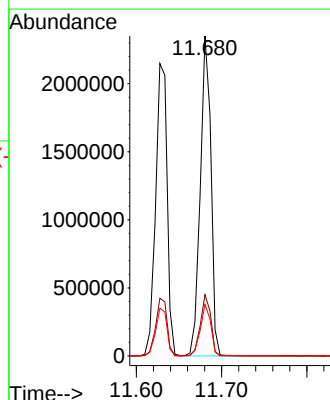
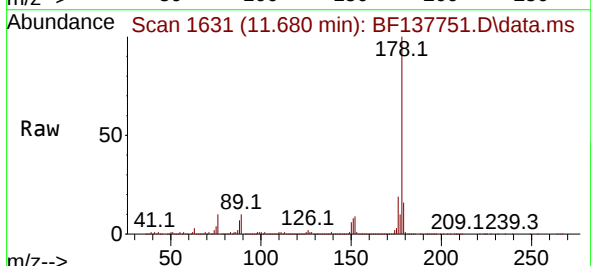
Delta R.T. -0.006 min

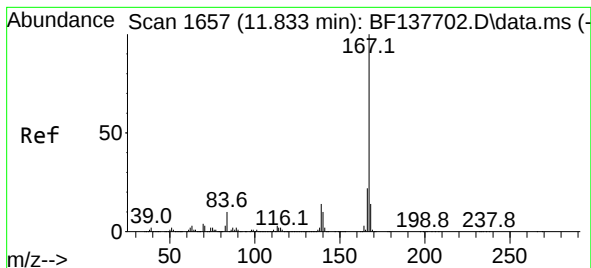
Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

Tgt Ion:178 Resp: 2041396

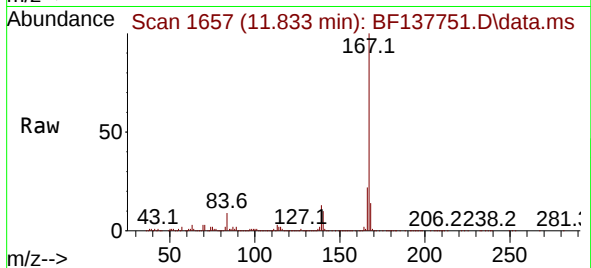
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	16.1	13.0	19.6





#73
 Carbazole
 Concen: 37.553 ng
 RT: 11.833 min Scan# 1657
 Delta R.T. 0.000 min
 Lab File: BF137751.D
 Acq: 29 Apr 2024 15:48

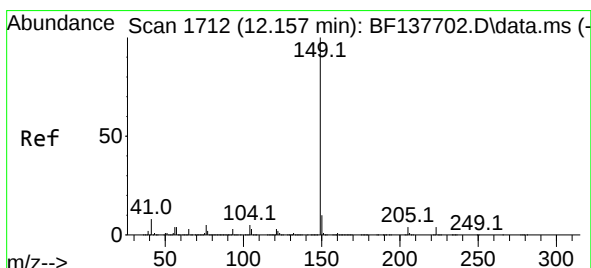
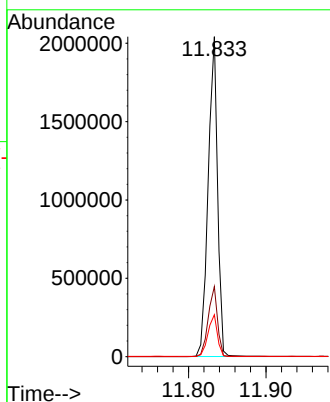
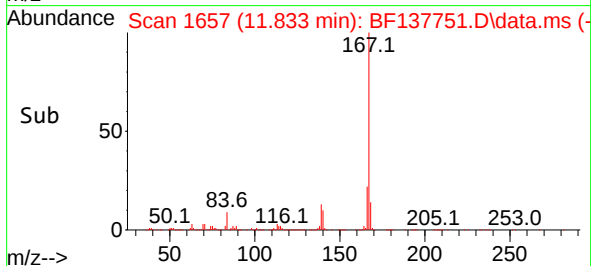
Instrument :
 BNA_F
 ClientSampleId :
 EXCAV-SOIL-1MS



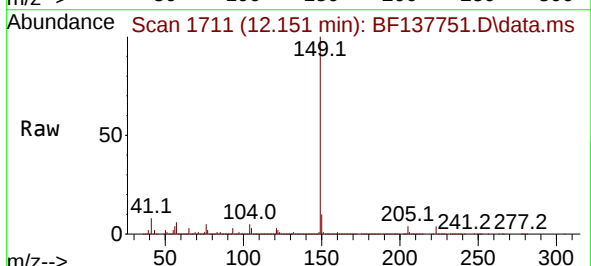
Tgt Ion:167 Resp: 171549
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.5 26.3
 139 13.1 10.9 16.3

Manual Integrations
 APPROVED

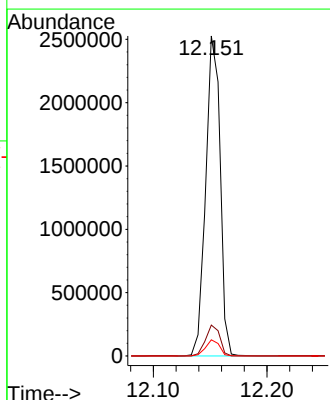
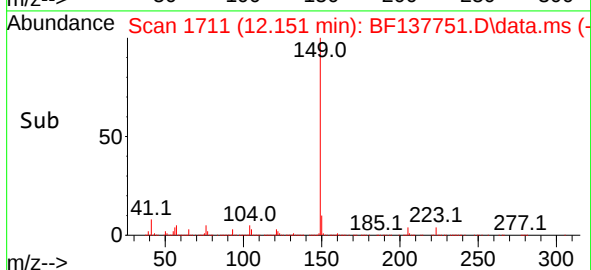
Reviewed By :Jagrut Upadhyay 04/30/2024
 Supervised By :mohammad ahmed 05/03/2024

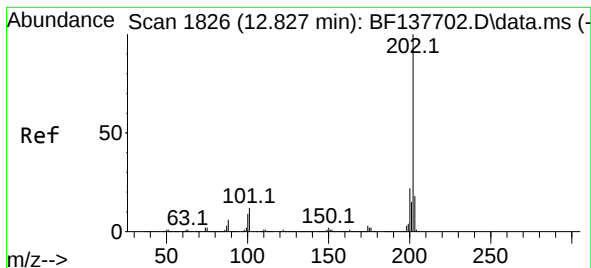


#74
 Di-n-butylphthalate
 Concen: 39.963 ng
 RT: 12.151 min Scan# 1711
 Delta R.T. -0.006 min
 Lab File: BF137751.D
 Acq: 29 Apr 2024 15:48



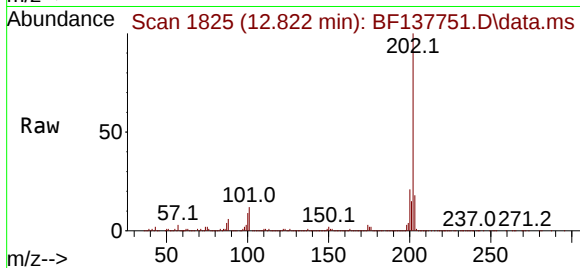
Tgt Ion:149 Resp: 2225436
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.8 11.6
 104 5.0 4.2 6.4





#75
Fluoranthene
Concen: 34.608 ng
RT: 12.822 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

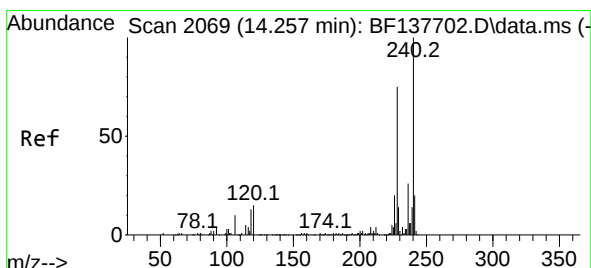
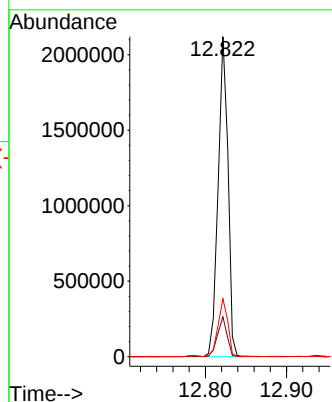
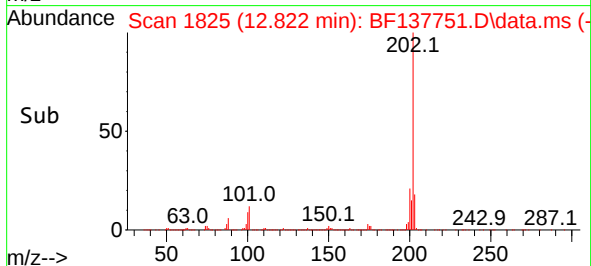
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



Tgt Ion:202 Resp: 1790670
Ion Ratio Lower Upper
202 100
101 12.5 0.0 32.2
203 18.1 0.0 38.1

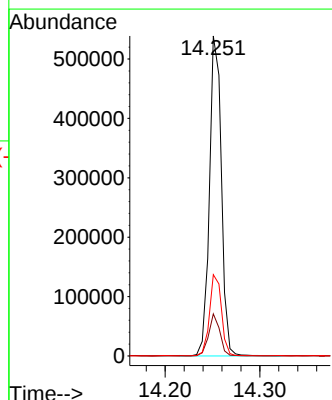
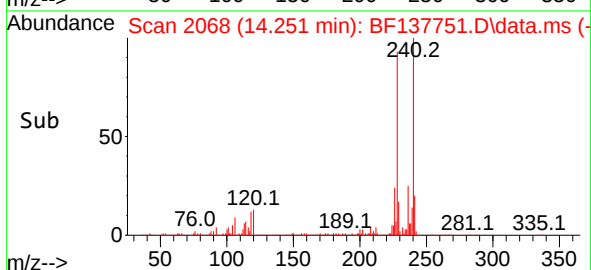
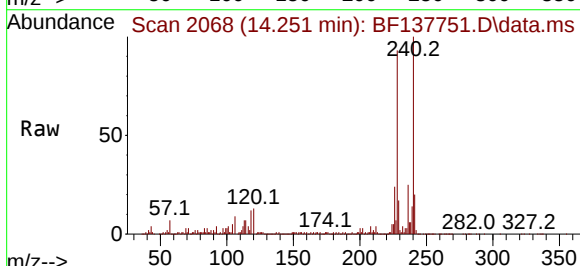
Manual Integrations
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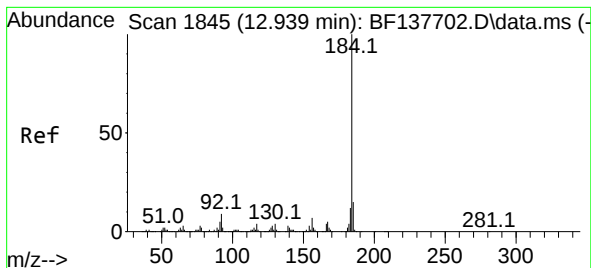
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.251 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

Tgt Ion:240 Resp: 470513
Ion Ratio Lower Upper
240 100
120 13.2 11.9 17.9
236 25.4 20.8 31.2





#77

Benzidine

Concen: 76.235 ng

RT: 12.939 min Scan# 1845

Delta R.T. 0.000 min

Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

Instrument :

BNA_F

ClientSampleId :

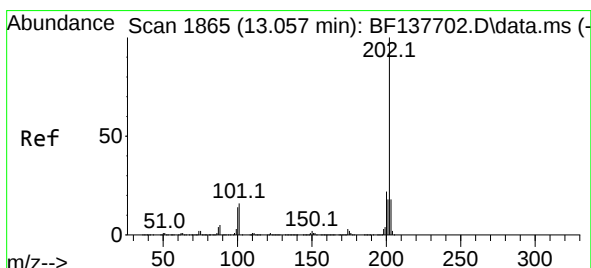
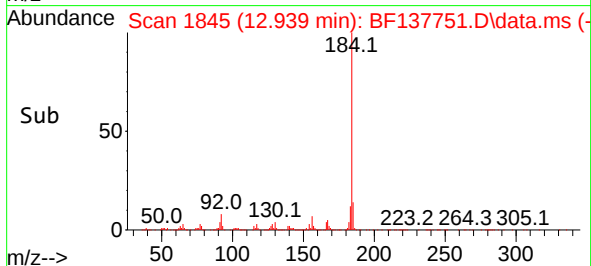
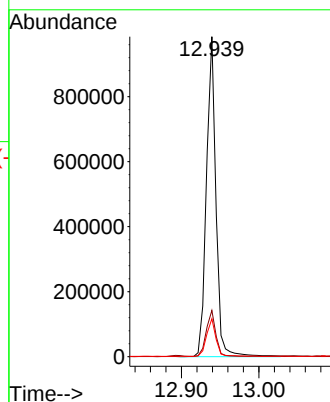
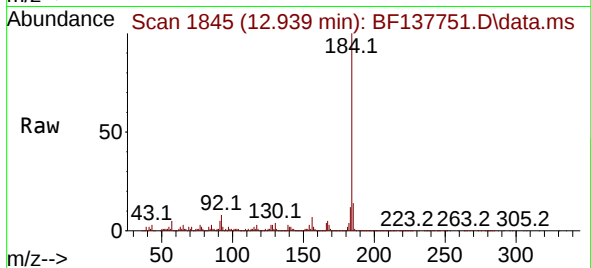
EXCAV-SOIL-1MS

Tgt Ion:184	Resp: 837799
Ion Ratio	Lower Upper
184 100	
185 14.5	12.2 18.4
183 11.8	9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#78

Pyrene

Concen: 44.914 ng

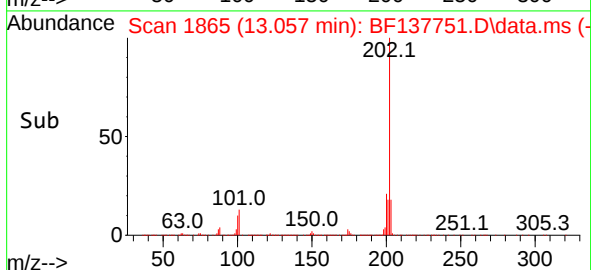
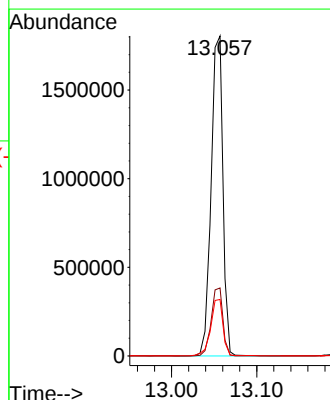
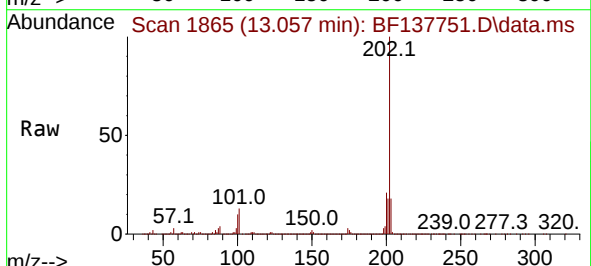
RT: 13.057 min Scan# 1865

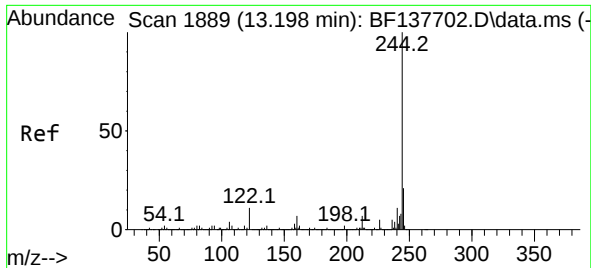
Delta R.T. 0.000 min

Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

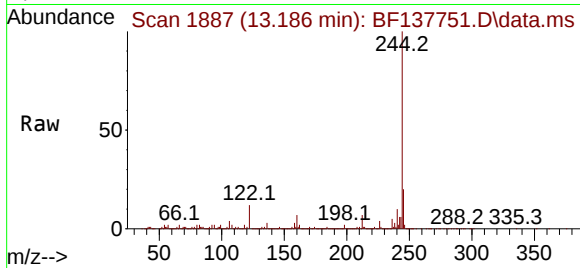
Tgt Ion:202	Resp: 1734528		
Ion Ratio	Lower	Upper	
202 100			
200 21.3	17.8	26.6	
203 17.7	14.6	21.8	





#79
 Terphenyl-d14
 Concen: 60.361 ng
 RT: 13.186 min Scan# 1889
 Delta R.T. -0.012 min
 Lab File: BF137751.D
 Acq: 29 Apr 2024 15:48

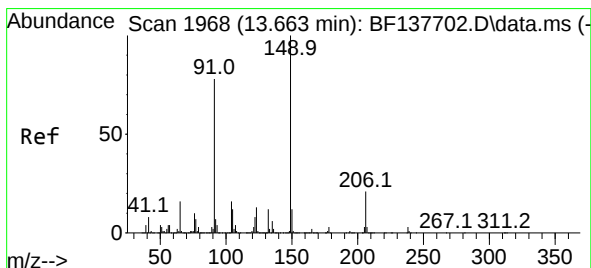
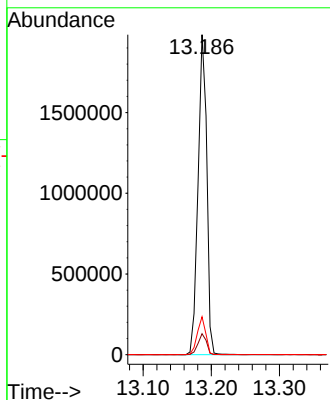
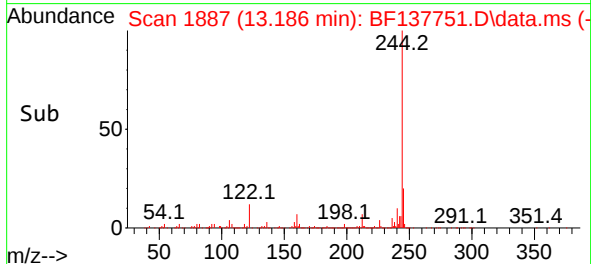
Instrument :
 BNA_F
 ClientSampleId :
 EXCAV-SOIL-1MS



Tgt Ion:244 Resp: 1764510
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.5 8.3
 122 11.8 8.8 13.2

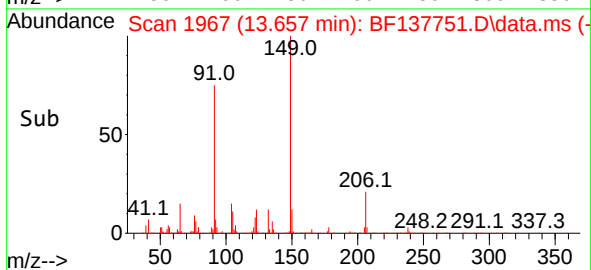
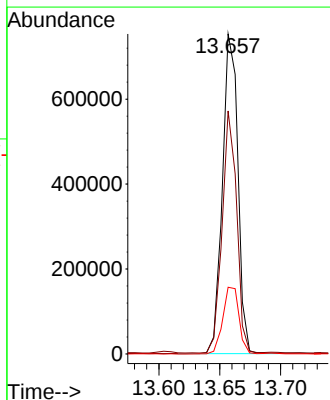
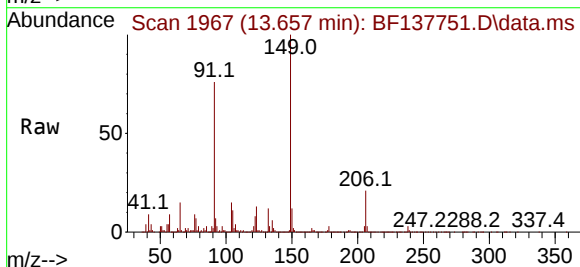
Manual Integrations
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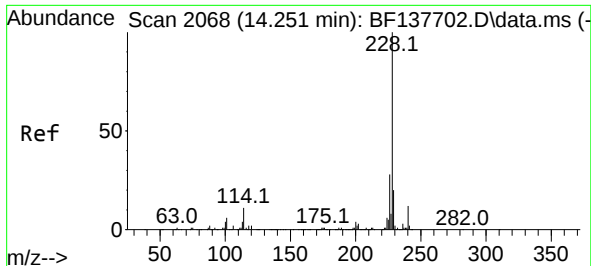
Reviewed By :Jagrut Upadhyay 04/30/2024
 Supervised By :mohammad ahmed 05/03/2024



#80
 Butylbenzylphthalate
 Concen: 48.636 ng
 RT: 13.657 min Scan# 1967
 Delta R.T. -0.006 min
 Lab File: BF137751.D
 Acq: 29 Apr 2024 15:48

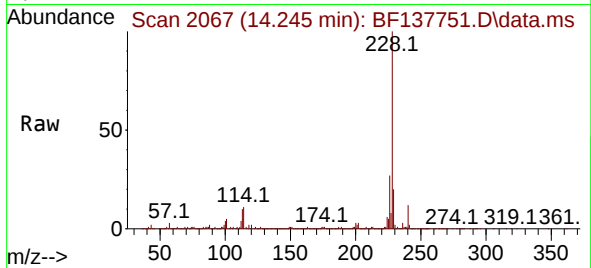
Tgt Ion:149 Resp: 666083
 Ion Ratio Lower Upper
 149 100
 91 75.9 62.6 93.8
 206 20.9 16.5 24.7





#81
Benzo(a)anthracene
Concen: 41.647 ng
RT: 14.245 min Scan# 2067
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

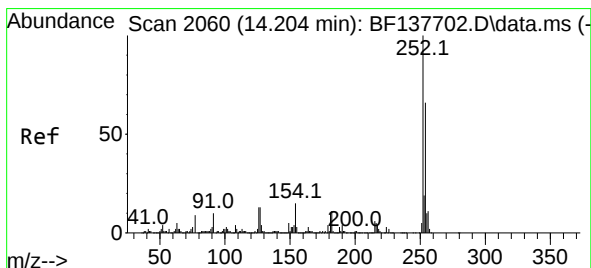
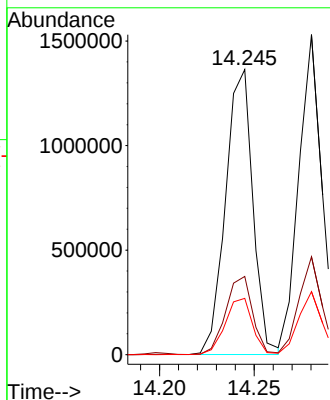
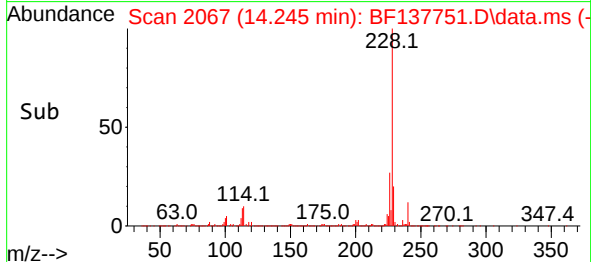
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



Tgt Ion:228 Resp: 1366732
Ion Ratio Lower Upper
228 100
226 27.5 22.7 34.1
229 19.8 16.0 24.0

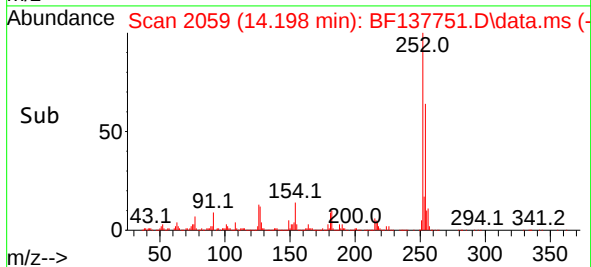
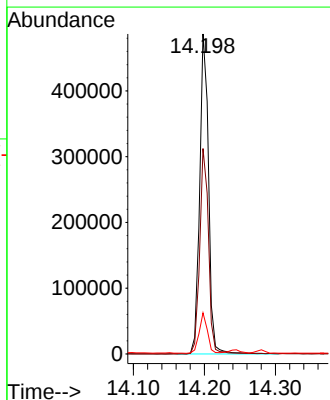
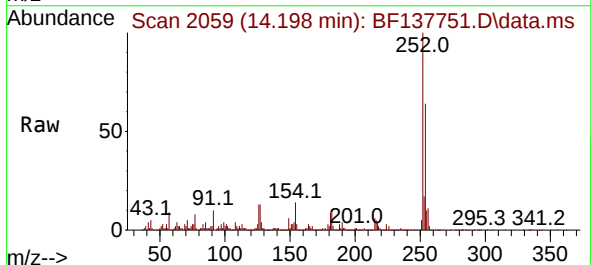
Manual Integrations
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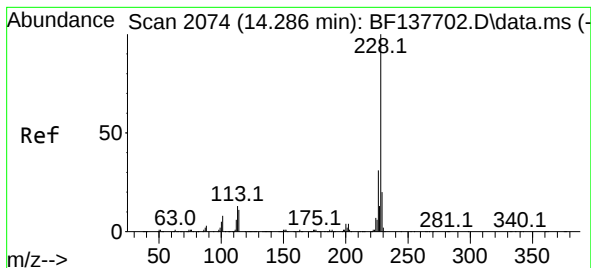
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#82
3,3'-Dichlorobenzidine
Concen: 41.715 ng
RT: 14.198 min Scan# 2059
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

Tgt Ion:252 Resp: 423564
Ion Ratio Lower Upper
252 100
254 64.2 52.6 79.0
126 12.9 10.8 16.2





#83

Chrysene

Concen: 41.625 ng

RT: 14.280 min Scan# 2074

Delta R.T. -0.006 min

Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MS

Tgt Ion:228 Resp: 1276350

Ion Ratio Lower Upper

228 100

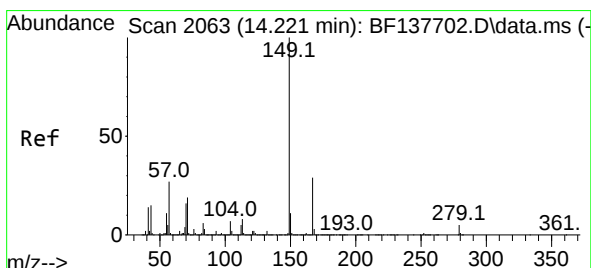
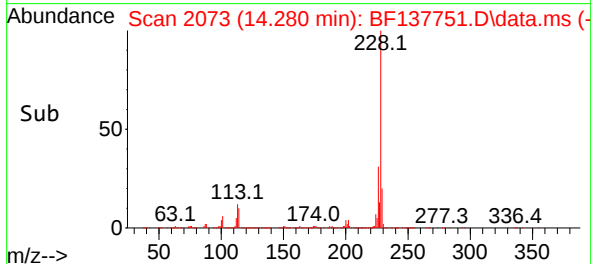
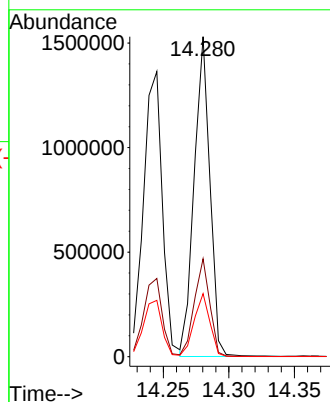
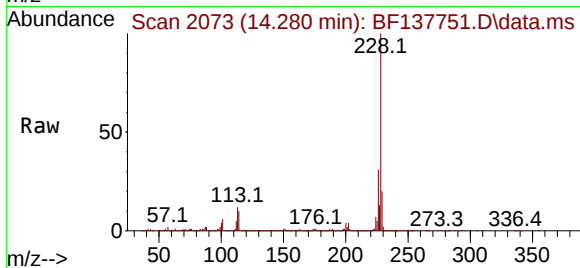
226 30.6 24.7 37.1

229 19.7 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.749 ng

RT: 14.216 min Scan# 2062

Delta R.T. -0.006 min

Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

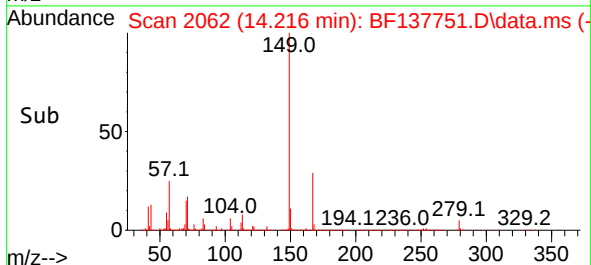
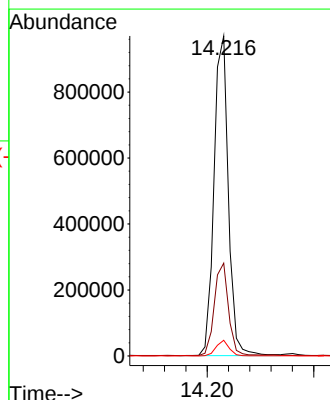
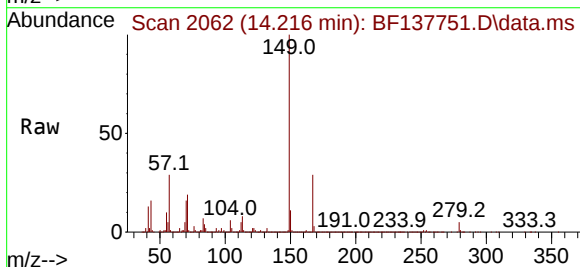
Tgt Ion:149 Resp: 904851

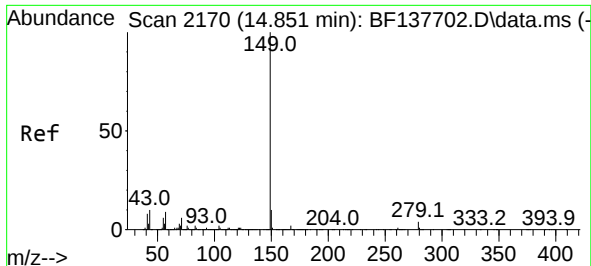
Ion Ratio Lower Upper

149 100

167 29.0 23.4 35.0

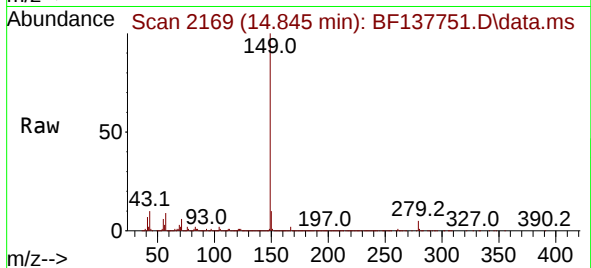
279 4.9 4.0 6.0





#85
Di-n-octyl phthalate
Concen: 45.970 ng
RT: 14.845 min Scan# 2170
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

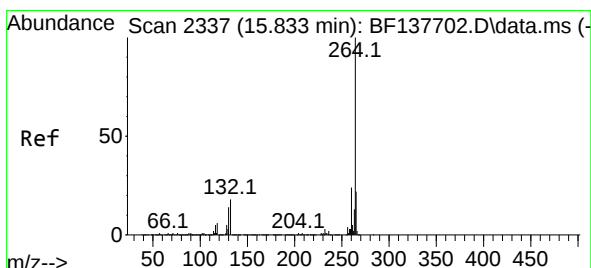
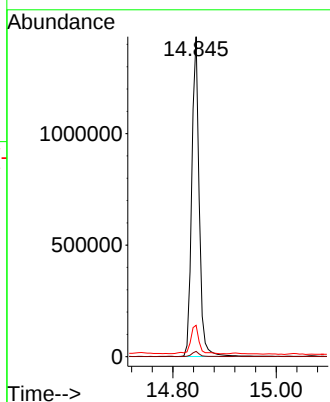
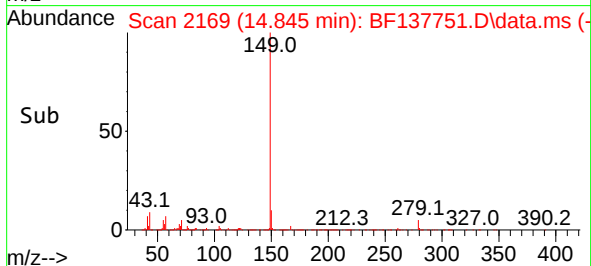
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MS



Tgt Ion:149 Resp: 142818
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.1 8.8 13.2

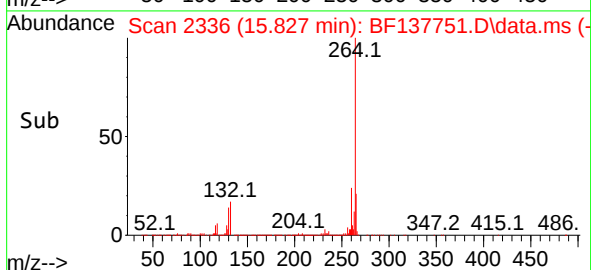
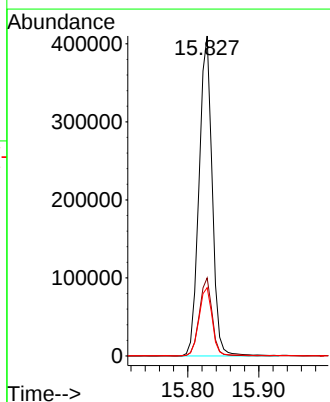
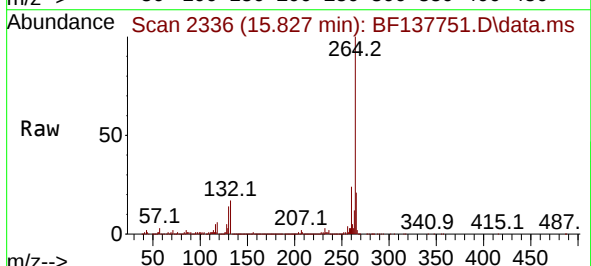
Manual Integrations
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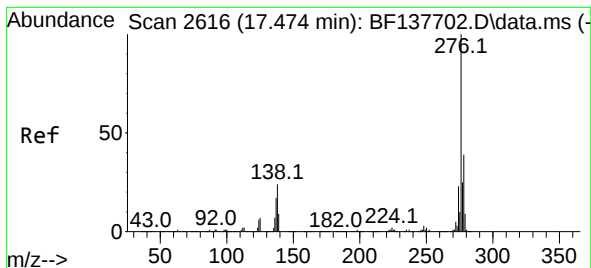
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.827 min Scan# 2336
Delta R.T. -0.006 min
Lab File: BF137751.D
Acq: 29 Apr 2024 15:48

Tgt Ion:264 Resp: 528816
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 21.4 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.065 ng

RT: 17.468 min Scan# 2615

Delta R.T. -0.006 min

Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MS

Tgt Ion:276 Resp: 129205

Ion Ratio Lower Upper

276 100

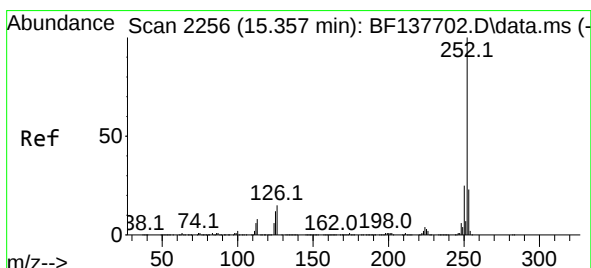
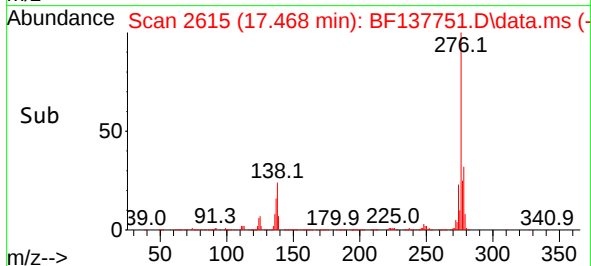
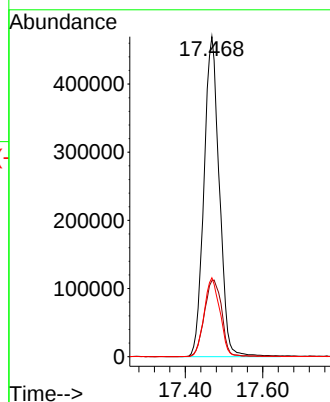
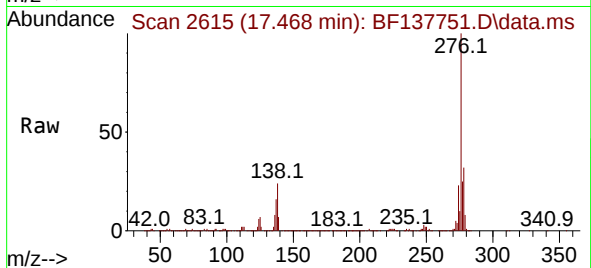
138 27.0 22.3 33.5

277 25.3 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#88

Benzo(b)fluoranthene

Concen: 40.506 ng

RT: 15.351 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

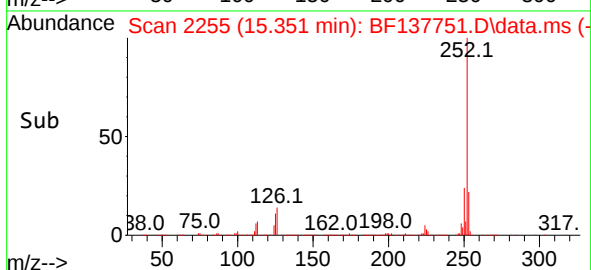
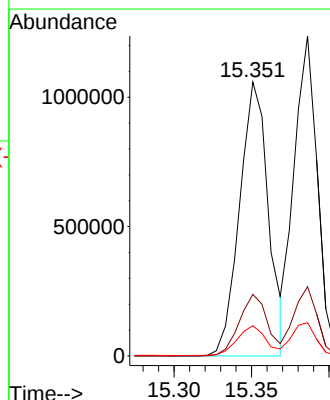
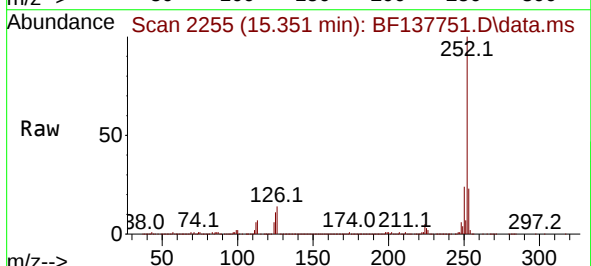
Tgt Ion:252 Resp: 1370688

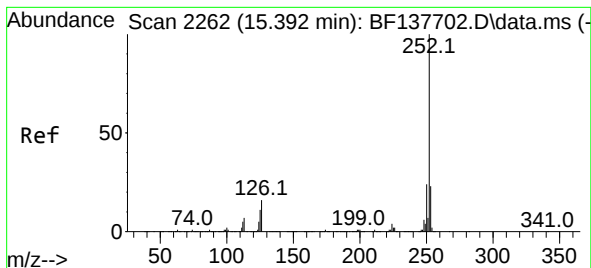
Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

125 11.1 9.2 13.8





#89

Benzo(k)fluoranthene

Concen: 38.916 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MS

Tgt Ion:252 Resp: 129449

Ion Ratio Lower Upper

252 100

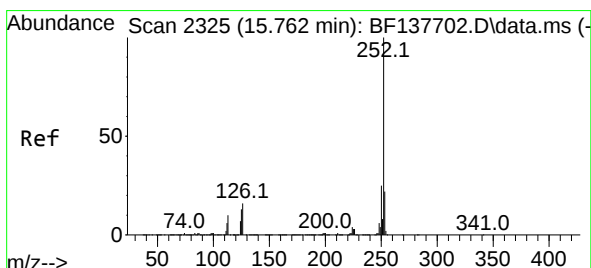
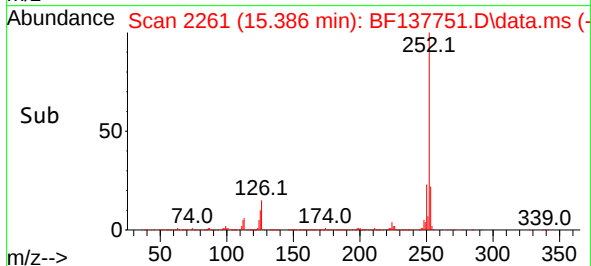
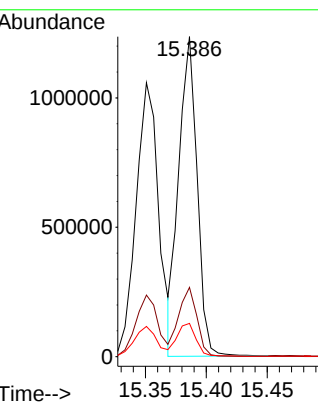
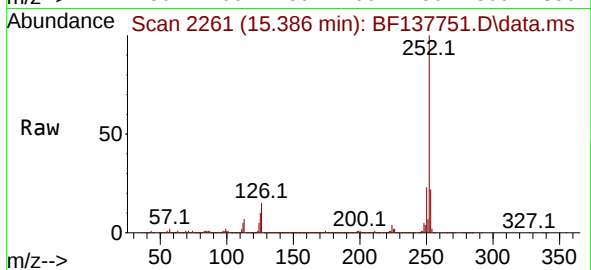
253 21.7 18.0 27.0

125 10.4 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#90

Benzo(a)pyrene

Concen: 41.455 ng

RT: 15.757 min Scan# 2324

Delta R.T. -0.006 min

Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

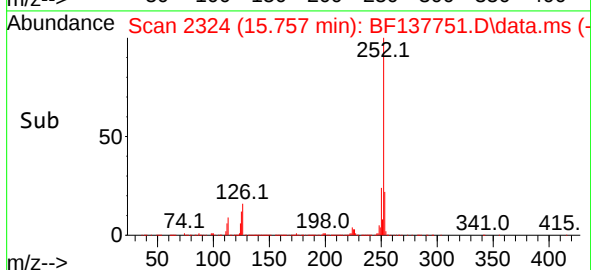
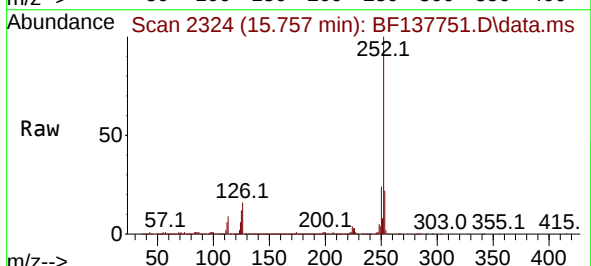
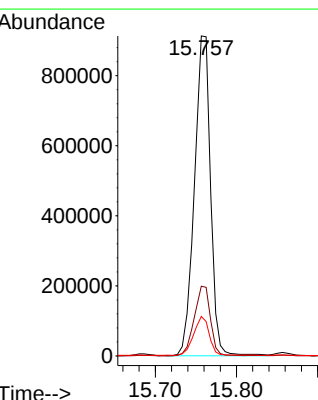
Tgt Ion:252 Resp: 1258430

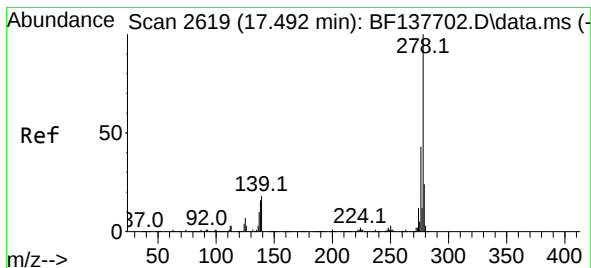
Ion Ratio Lower Upper

252 100

253 21.8 17.9 26.9

125 12.3 10.2 15.2





#91

Dibenzo(a,h)anthracene

Concen: 43.781 ng

RT: 17.492 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MS

Tgt Ion:278 Resp: 1065310

Ion Ratio Lower Upper

278 100

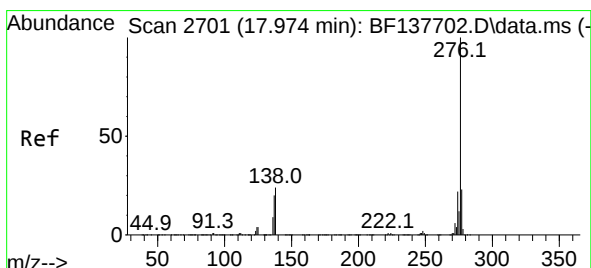
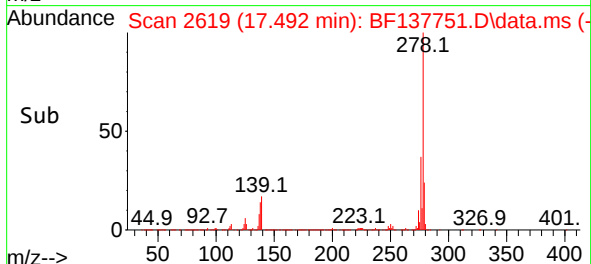
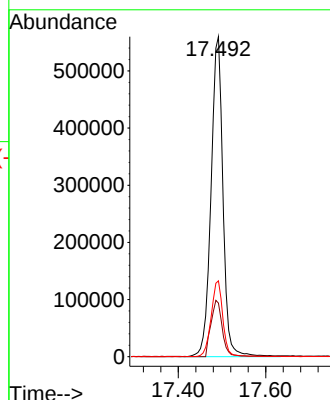
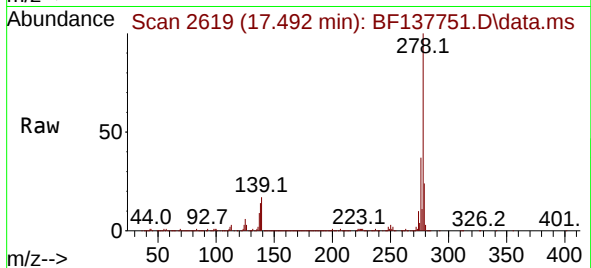
139 16.8 14.7 22.1

279 23.7 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#92

Benzo(g,h,i)perylene

Concen: 39.435 ng

RT: 17.968 min Scan# 2700

Delta R.T. -0.006 min

Lab File: BF137751.D

Acq: 29 Apr 2024 15:48

Tgt Ion:276 Resp: 933073

Ion Ratio Lower Upper

276 100

277 24.1 18.5 27.7

138 24.5 19.5 29.3

