

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042924\
 Data File : BF137752.D
 Acq On : 29 Apr 2024 16:23
 Operator : CG\JU
 Sample : P2283-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXCAV-SOIL-1MSD

Manual Integrations
 APPROVED

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

Quant Time: Apr 29 16:55:50 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	260655	20.000	ng	0.00
21) Naphthalene-d8	8.351	136	1039247	20.000	ng	0.00
39) Acenaphthene-d10	10.110	164	588007	20.000	ng	0.00
64) Phenanthrene-d10	11.604	188	952167	20.000	ng	0.00
76) Chrysene-d12	14.256	240	493658	20.000	ng	# 0.00
86) Perylene-d12	15.827	264	554572	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.686	112	1329677	77.491	ng	0.00
7) Phenol-d6	6.675	99	1714936	78.702	ng	0.00
23) Nitrobenzene-d5	7.627	82	1058757	54.080	ng	0.00
42) 2,4,6-Tribromophenol	10.904	330	516797	87.099	ng	0.00
45) 2-Fluorobiphenyl	9.421	172	2108571	53.582	ng	0.00
79) Terphenyl-d14	13.186	244	2011830	65.595	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.040	88	261781	34.070	ng	96
3) Pyridine	3.792	79	677814	33.115	ng	97
4) n-Nitrosodimethylamine	3.751	42	360674	37.757	ng	94
6) Aniline	6.728	93	868546	32.025	ng	97
8) 2-Chlorophenol	6.845	128	798480	44.578	ng	99
9) Benzaldehyde	6.616	77	450743	36.859	ng	96
10) Phenol	6.692	94	934442	42.926	ng	99
11) bis(2-Chloroethyl)ether	6.792	93	736248	41.465	ng	99
12) 1,3-Dichlorobenzene	7.004	146	812472	43.253	ng	98
13) 1,4-Dichlorobenzene	7.080	146	824838	43.616	ng	99
14) 1,2-Dichlorobenzene	7.233	146	791988	44.990	ng	98
15) Benzyl Alcohol	7.198	79	660260	40.505	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.327	45	1077866	39.473	ng	98
17) 2-Methylphenol	7.298	107	626176	39.347	ng	99
18) Hexachloroethane	7.580	117	289256	43.216	ng	93
19) n-Nitroso-di-n-propyla...	7.469	70	544288	38.628	ng	99
20) 3+4-Methylphenols	7.451	107	820266	39.907	ng	98
22) Acetophenone	7.469	105	1063982	41.858	ng	99
24) Nitrobenzene	7.645	77	806633	40.781	ng	99
25) Isophorone	7.880	82	1491425	41.018	ng	100
26) 2-Nitrophenol	7.957	139	427633	49.266	ng	96
27) 2,4-Dimethylphenol	7.986	122	600175	34.273	ng	99
28) bis(2-Chloroethoxy)met...	8.086	93	904416	40.724	ng	99
29) 2,4-Dichlorophenol	8.198	162	679273	44.260	ng	99
30) 1,2,4-Trichlorobenzene	8.286	180	696358	44.515	ng	99
31) Naphthalene	8.369	128	2249482	42.417	ng	100
32) Benzoic acid	8.098	122	521446	47.027	ng	97
33) 4-Chloroaniline	8.410	127	670435	29.867	ng	99
34) Hexachlorobutadiene	8.480	225	409282	43.642	ng	98
35) Caprolactam	8.786	113	232164m	46.789	ng	
36) 4-Chloro-3-methylphenol	8.886	107	703739	43.233	ng	93
37) 2-Methylnaphthalene	9.063	142	1504654	41.337	ng	99
38) 1-Methylnaphthalene	9.163	142	1387272	40.764	ng	100
40) 1,2,4,5-Tetrachloroben...	9.227	216	709615	44.020	ng	100
41) Hexachlorocyclopentadiene	9.210	237	727927	80.590	ng	99
43) 2,4,6-Trichlorophenol	9.333	196	506069	44.750	ng	100

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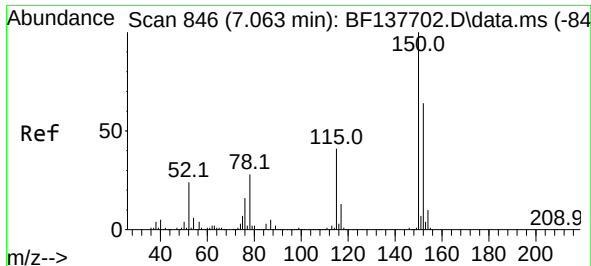
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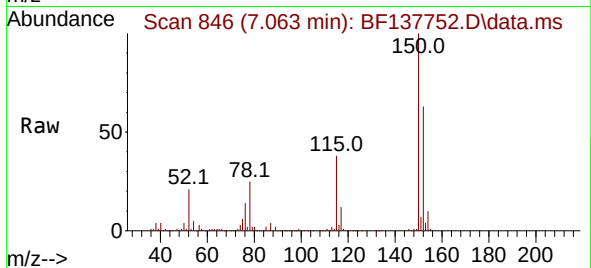
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.369	196	541993	41.819	ng	98
46) 1,1'-Biphenyl	9.527	154	1823098	42.619	ng	98
47) 2-Chloronaphthalene	9.551	162	1438934	43.638	ng	99
48) 2-Nitroaniline	9.645	65	438289	43.619	ng	93
49) Acenaphthylene	9.974	152	2255129	43.855	ng	100
50) Dimethylphthalate	9.821	163	1749081	42.694	ng	99
51) 2,6-Dinitrotoluene	9.886	165	389925	45.173	ng	93
52) Acenaphthene	10.145	154	1499826	45.044	ng	99
53) 3-Nitroaniline	10.057	138	352785	36.369	ng	97
54) 2,4-Dinitrophenol	10.163	184	392481	85.190	ng	# 42
55) Dibenzofuran	10.316	168	2037947	41.754	ng	99
56) 4-Nitrophenol	10.210	139	617341	81.836	ng	95
57) 2,4-Dinitrotoluene	10.292	165	524802	48.226	ng	96
58) Fluorene	10.663	166	1583390	41.518	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.427	232	440293	43.873	ng	97
60) Diethylphthalate	10.521	149	1673871	42.480	ng	99
61) 4-Chlorophenyl-phenyle...	10.651	204	794771	42.176	ng	94
62) 4-Nitroaniline	10.680	138	379627	41.088	ng	96
63) Azobenzene	10.810	77	1606418	39.784	ng	97
65) 4,6-Dinitro-2-methylph...	10.698	198	278936	51.093	ng	88
66) n-Nitrosodiphenylamine	10.768	169	1408160	43.665	ng	100
67) 4-Bromophenyl-phenylether	11.145	248	502544	45.548	ng	93
68) Hexachlorobenzene	11.210	284	507555	47.220	ng	95
69) Atrazine	11.292	200	480682	53.921	ng	99
70) Pentachlorophenol	11.404	266	632217	78.191	ng	99
71) Phenanthrene	11.633	178	2134698	42.352	ng	99
72) Anthracene	11.686	178	2200909	42.643	ng	98
73) Carbazole	11.833	167	1907710	40.785	ng	99
74) Di-n-butylphthalate	12.157	149	2446518	42.907	ng	99
75) Fluoranthene	12.821	202	2029723	38.312	ng	99
77) Benzidine	12.939	184	994818	86.279	ng	99
78) Pyrene	13.057	202	1960352	48.381	ng	99
80) Butylbenzylphthalate	13.662	149	785731	54.682	ng	90
81) Benzo(a)anthracene	14.245	228	1530332	44.445	ng	100
82) 3,3'-Dichlorobenzidine	14.204	252	483037	45.342	ng	# 96
83) Chrysene	14.280	228	1434405	44.586	ng	99
84) Bis(2-ethylhexyl)phtha...	14.215	149	1061875	48.934	ng	100
85) Di-n-octyl phthalate	14.845	149	1633720	50.120	ng	98
87) Indeno(1,2,3-cd)pyrene	17.468	276	1513177	49.209	ng	99
88) Benzo(b)fluoranthene	15.351	252	1501196	42.302	ng	99
89) Benzo(k)fluoranthene	15.386	252	1445050	41.424	ng	99
90) Benzo(a)pyrene	15.762	252	1380041	43.350	ng	97
91) Dibenzo(a,h)anthracene	17.492	278	1234803	48.390	ng	100
92) Benzo(g,h,i)perylene	17.968	276	1089177	43.895	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.063 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

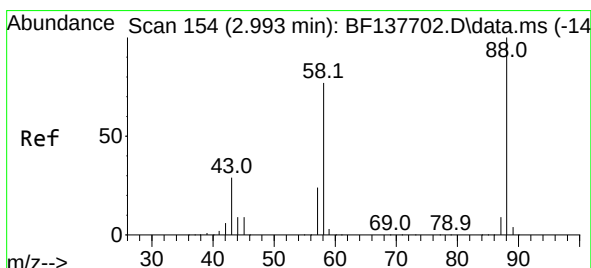
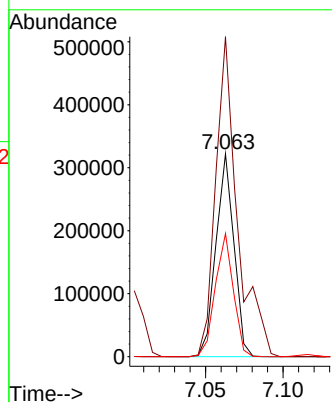
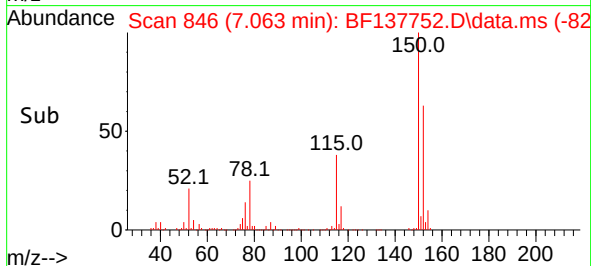
Instrument :
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EXCAV-SOIL-1MSD



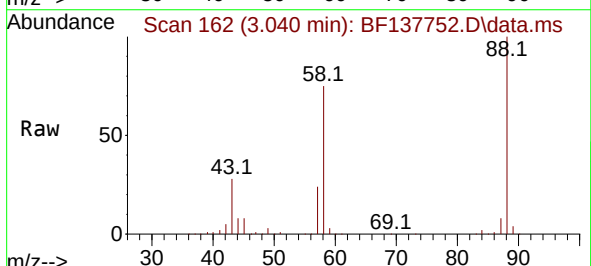
Tgt Ion:152 Resp: 26065
Ion Ratio Lower Upper
152 100
150 157.7 124.2 186.4
115 60.6 50.8 76.2

Manual Integrations
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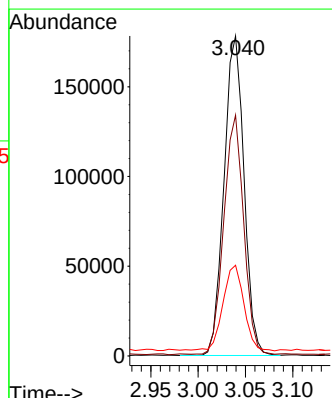
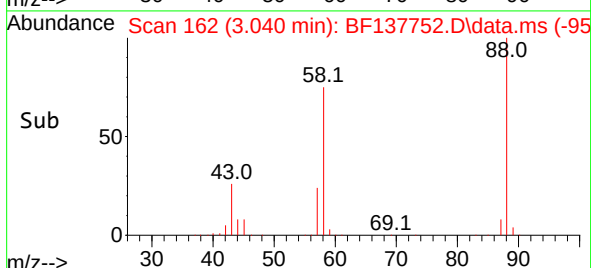
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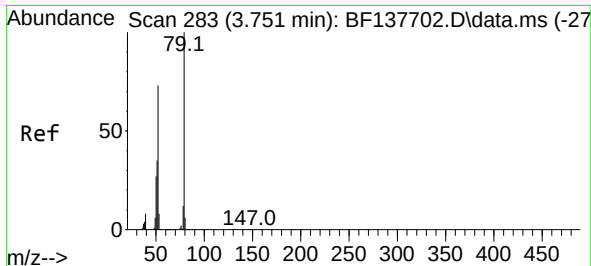


#2
1,4-Dioxane
Concen: 34.070 ng
RT: 3.040 min Scan# 162
Delta R.T. 0.047 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23



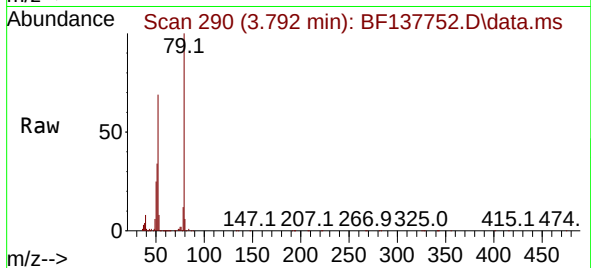
Tgt Ion: 88 Resp: 261781
Ion Ratio Lower Upper
88 100
58 74.3 62.4 93.6
43 28.0 23.7 35.5





#3
Pyridine
Concen: 33.115 ng
RT: 3.792 min Scan# 290
Delta R.T. 0.041 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

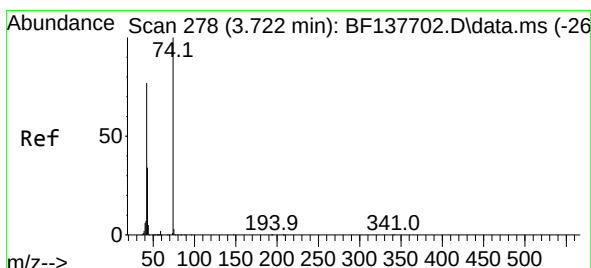
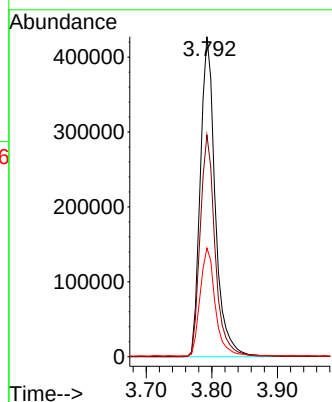
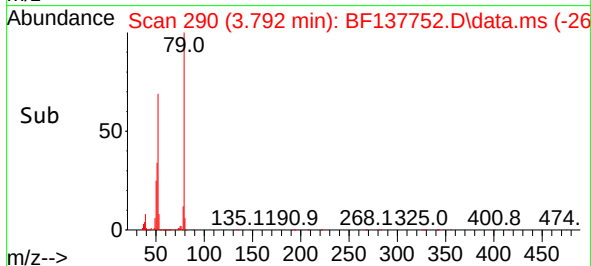
Instrument :
BNA_F
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EXCAV-SOIL-1MSD



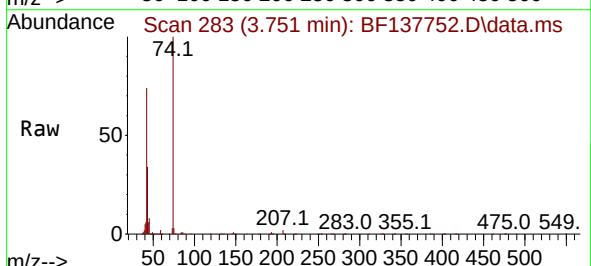
Tgt Ion: 79 Resp: 677814
Ion Ratio Lower Upper
79 100
52 69.3 58.0 87.0
51 34.0 27.9 41.9

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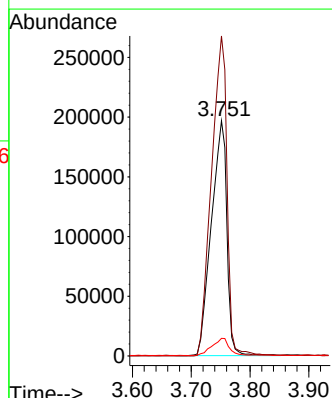
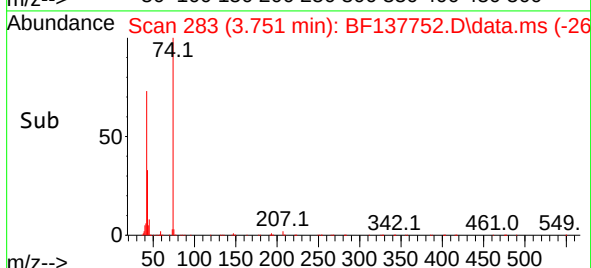
Reviewed By :Jagrut Upadhyay 04/30/2024
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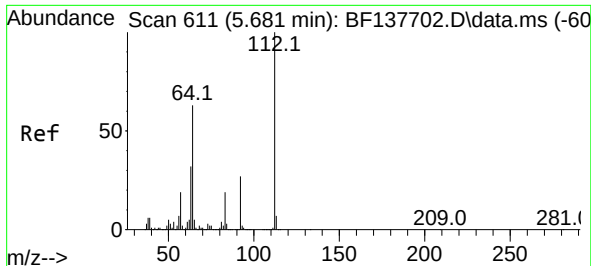


#4
n-Nitrosodimethylamine
Concen: 37.757 ng
RT: 3.751 min Scan# 283
Delta R.T. 0.029 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23



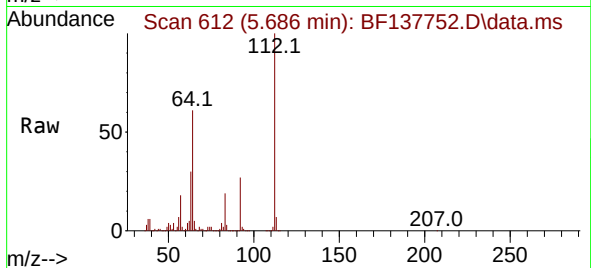
Tgt Ion: 42 Resp: 360674
Ion Ratio Lower Upper
42 100
74 136.0 103.4 155.2
44 7.5 5.5 8.3





#5
2-Fluorophenol
Concen: 77.491 ng
RT: 5.686 min Scan# 611
Delta R.T. 0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

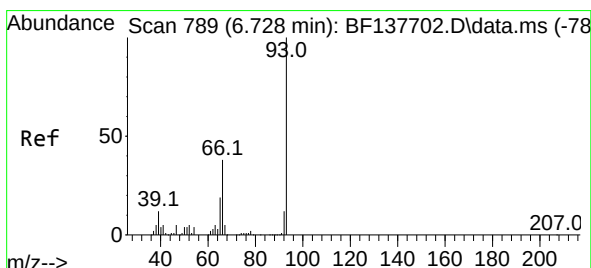
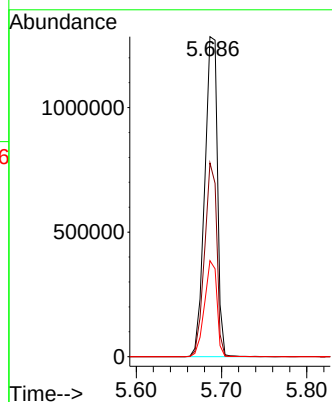
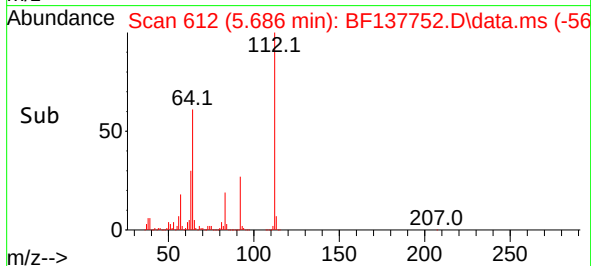
Instrument :
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Tgt Ion: 112 Resp: 132967
Ion Ratio Lower Upper
112 100
64 60.6 50.1 75.1
63 30.0 25.2 37.8

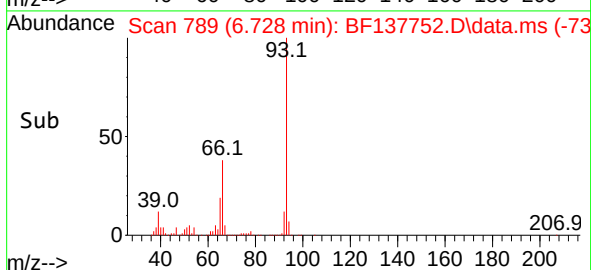
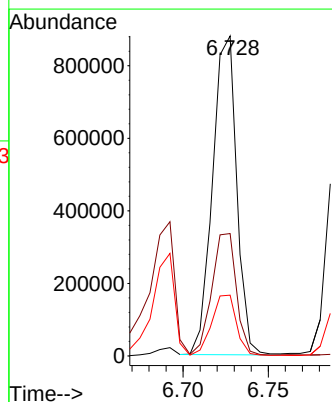
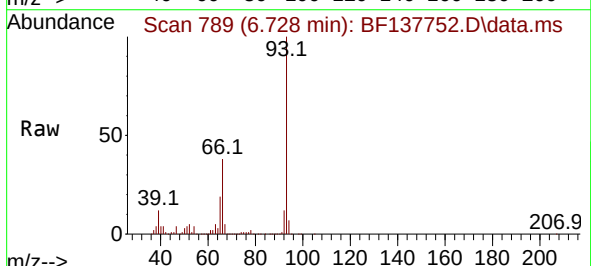
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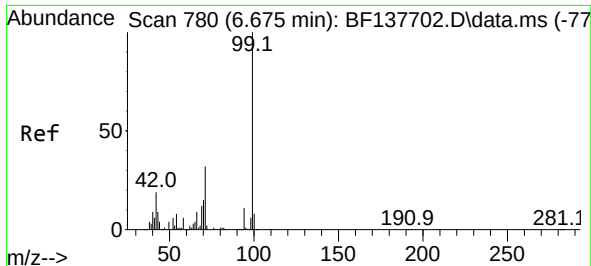
Reviewed By :Jagrut Upadhyay 04/30/2024
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#6
Aniline
Concen: 32.025 ng
RT: 6.728 min Scan# 789
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

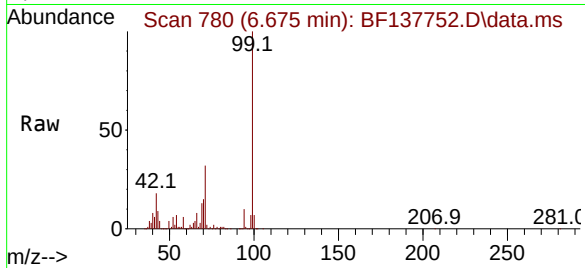
Tgt Ion: 93 Resp: 868546
Ion Ratio Lower Upper
93 100
66 38.2 32.1 48.1
65 19.0 16.4 24.6





#7
Phenol-d6
Concen: 78.702 ng
RT: 6.675 min Scan# 714
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

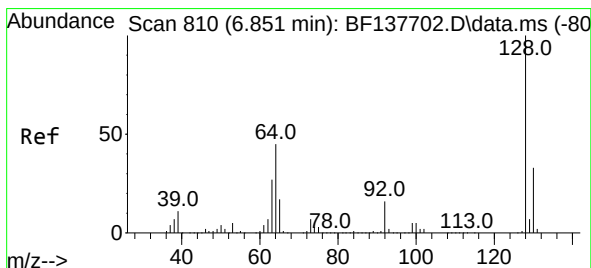
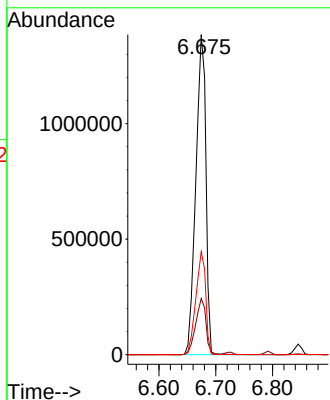
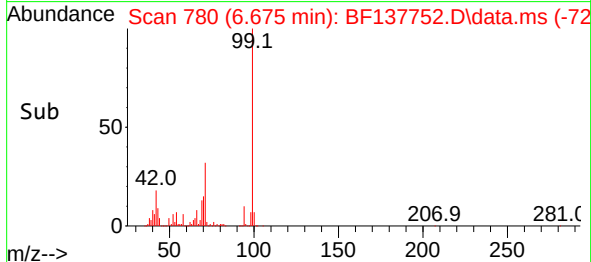
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Tgt Ion: 99 Resp: 1714930
Ion Ratio Lower Upper
99 100
42 17.6 15.0 22.4
71 32.2 25.7 38.5

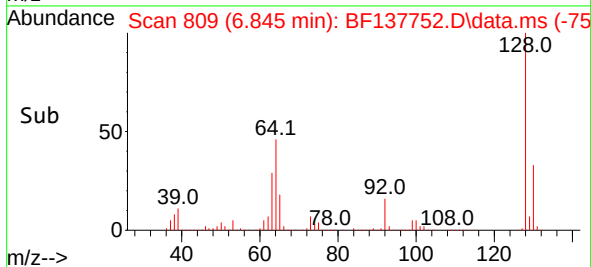
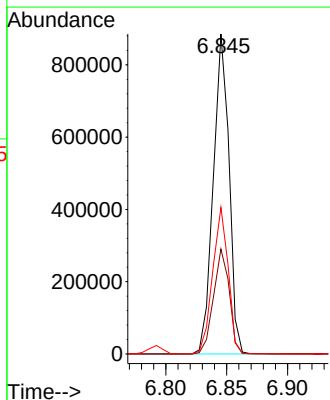
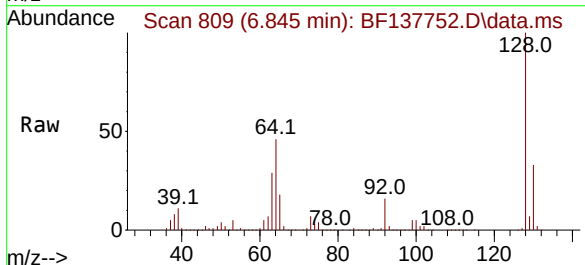
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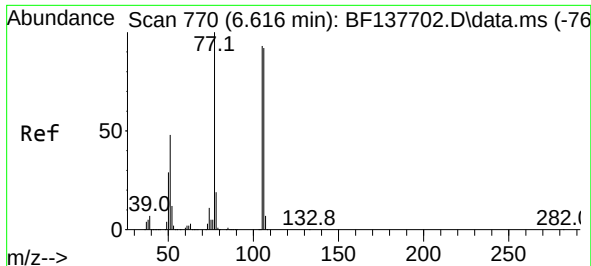
Reviewed By :Jagrut Upadhyay 04/30/2024
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#8
2-Chlorophenol
Concen: 44.578 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

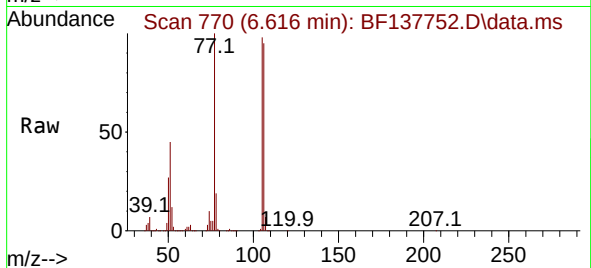
Tgt Ion:128 Resp: 798480
Ion Ratio Lower Upper
128 100
130 32.8 13.2 53.2
64 45.8 24.7 64.7





#9
Benzaldehyde
Concen: 36.859 ng
RT: 6.616 min Scan# 770
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

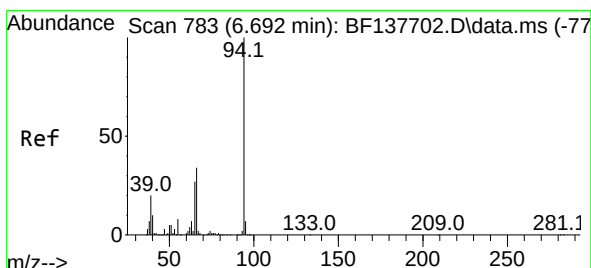
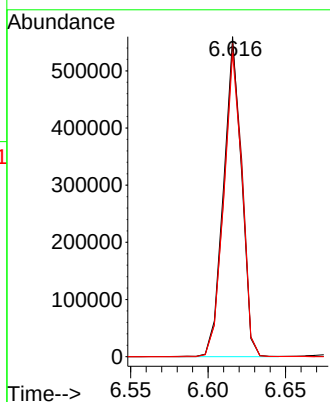
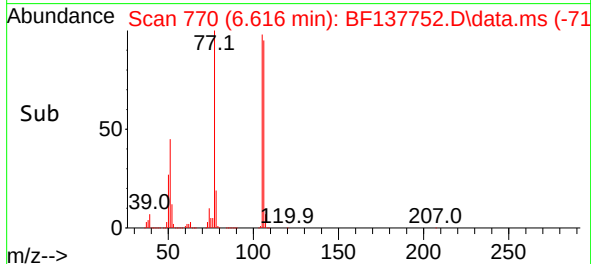
Instrument :
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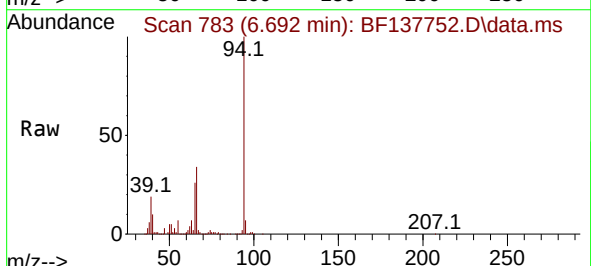
Tgt Ion: 77 Resp: 450743
Ion Ratio Lower Upper
77 100
105 97.9 73.3 113.3
106 94.9 72.1 112.1

Manual Integrations
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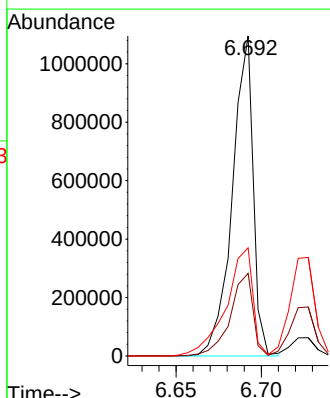
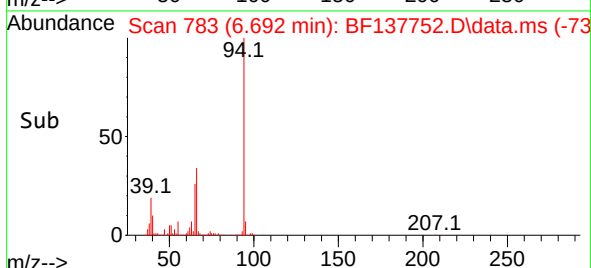
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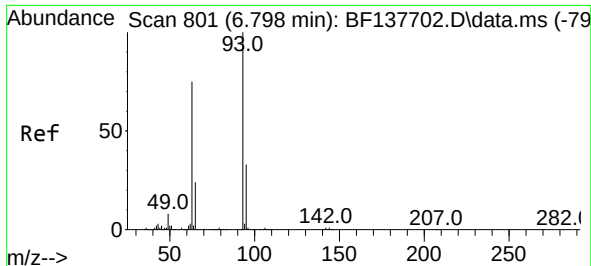


#10
Phenol
Concen: 42.926 ng
RT: 6.692 min Scan# 783
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23



Tgt Ion: 94 Resp: 934442
Ion Ratio Lower Upper
94 100
65 25.8 6.5 46.5
66 33.8 13.9 53.9





#11

bis(2-Chloroethyl)ether

Concen: 41.465 ng

RT: 6.792 min Scan# 801

Delta R.T. -0.006 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MSD

Tgt Ion: 93 Resp: 736248

Ion Ratio Lower Upper

93 100

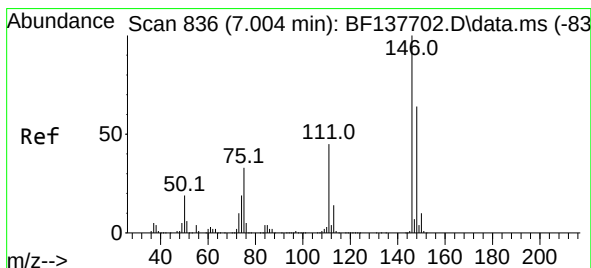
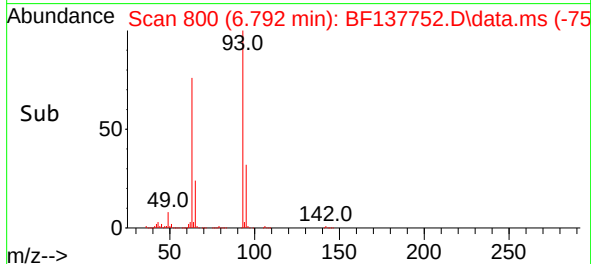
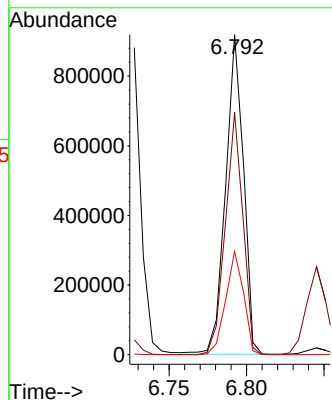
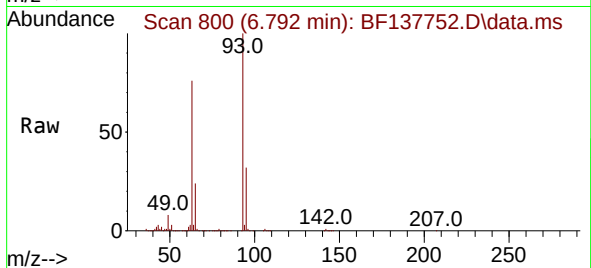
63 75.7 54.8 94.8

95 32.3 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: 43.253 ng

RT: 7.004 min Scan# 836

Delta R.T. -0.000 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

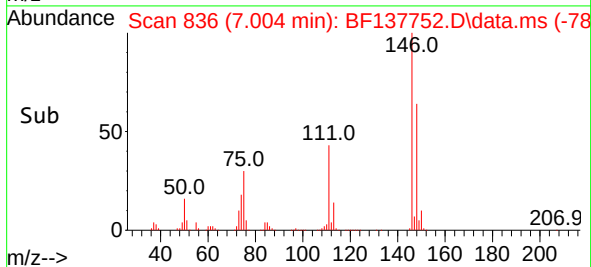
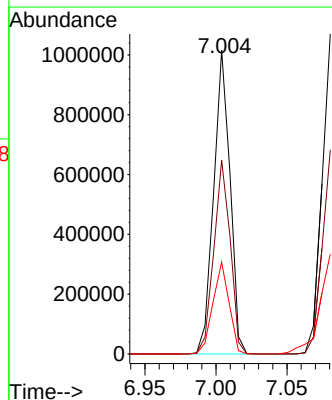
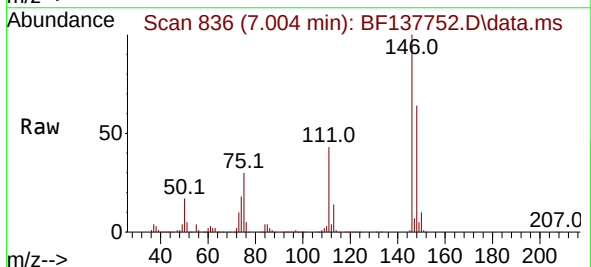
Tgt Ion:146 Resp: 812472

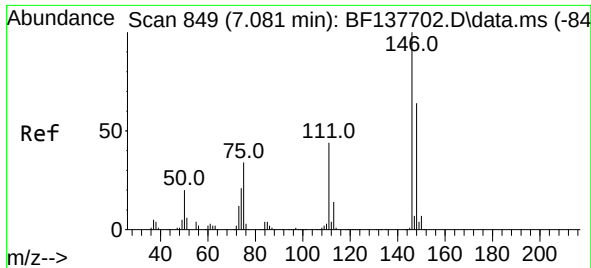
Ion Ratio Lower Upper

146 100

148 63.8 50.8 76.2

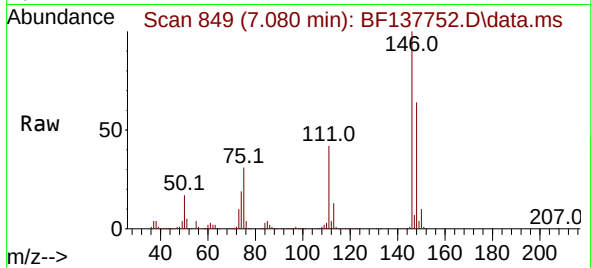
75 30.2 26.4 39.6





#13
1,4-Dichlorobenzene
Concen: 43.616 ng
RT: 7.080 min Scan# 849
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

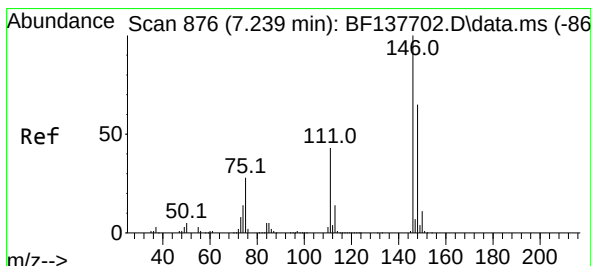
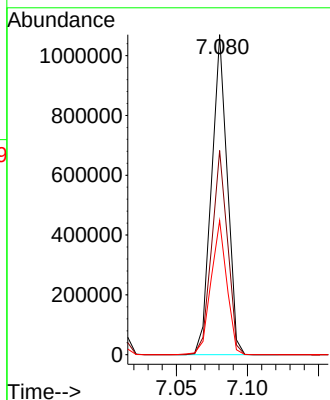
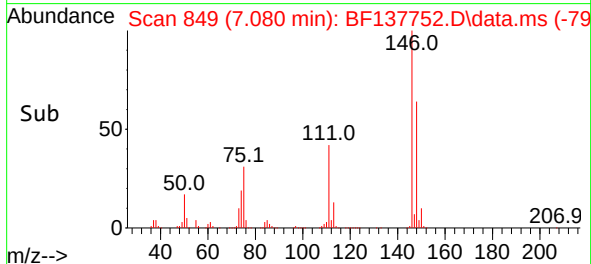
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



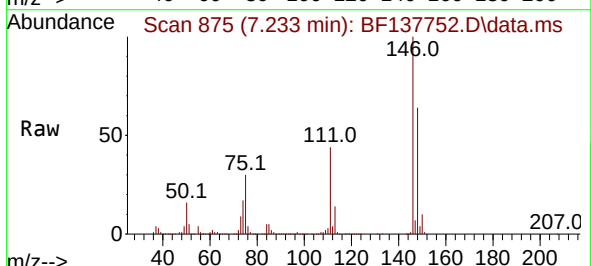
Tgt Ion:146 Resp: 824838
Ion Ratio Lower Upper
146 100
148 63.8 51.0 76.6
111 41.9 35.0 52.6

Manual Integrations
APPROVED

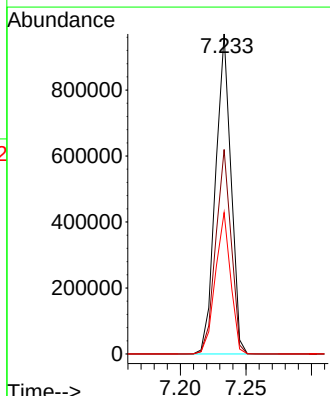
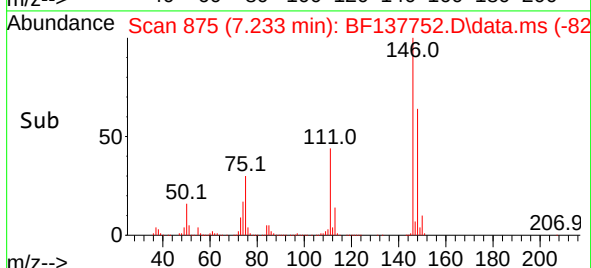
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

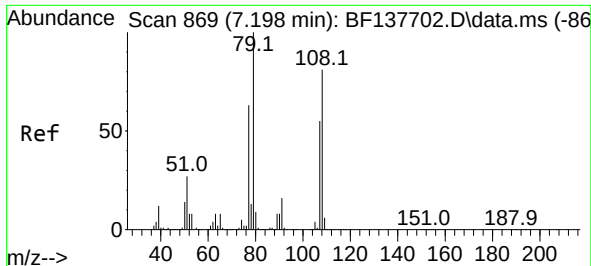


#14
1,2-Dichlorobenzene
Concen: 44.990 ng
RT: 7.233 min Scan# 875
Delta R.T. -0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23



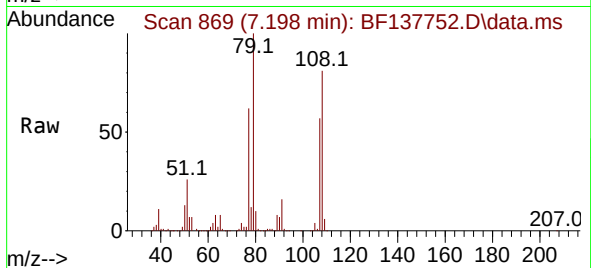
Tgt Ion:146 Resp: 791988
Ion Ratio Lower Upper
146 100
148 63.9 52.1 78.1
111 44.2 34.5 51.7





#15
Benzyl Alcohol
Concen: 40.505 ng
RT: 7.198 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

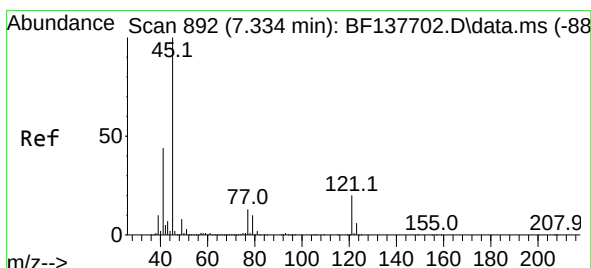
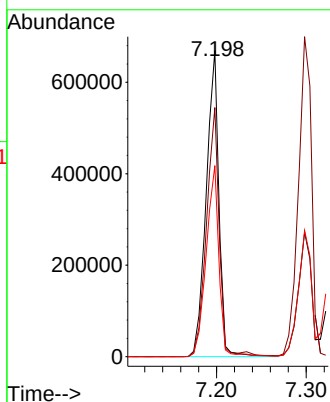
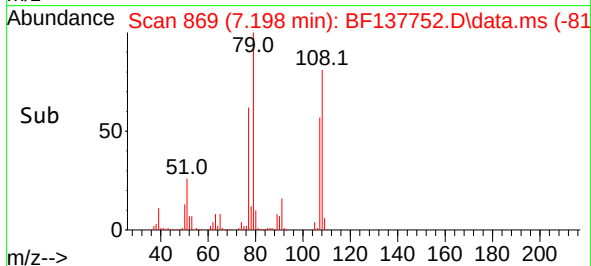
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



Tgt Ion: 79 Resp: 660260
Ion Ratio Lower Upper
79 100
108 81.4 64.8 97.2
77 62.4 50.3 75.5

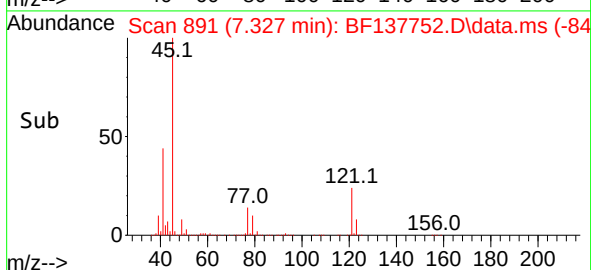
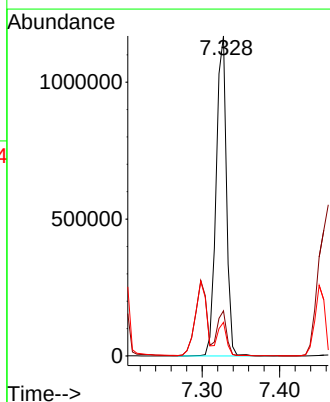
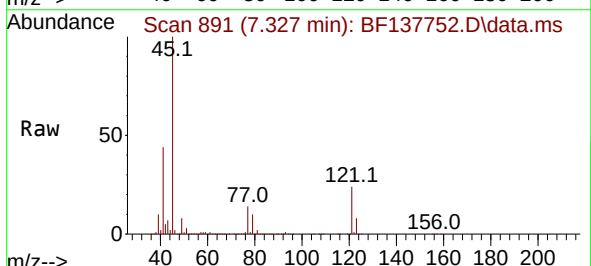
Manual Integrations
APPROVED

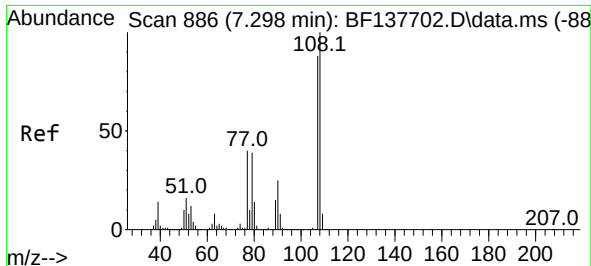
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.473 ng
RT: 7.327 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

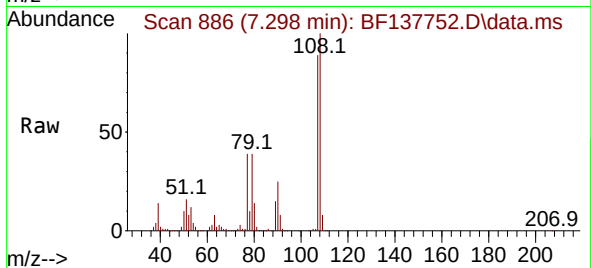
Tgt Ion: 45 Resp: 1077866
Ion Ratio Lower Upper
45 100
77 14.1 0.0 32.8
79 10.5 0.0 30.1





#17
2-Methylphenol
Concen: 39.347 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

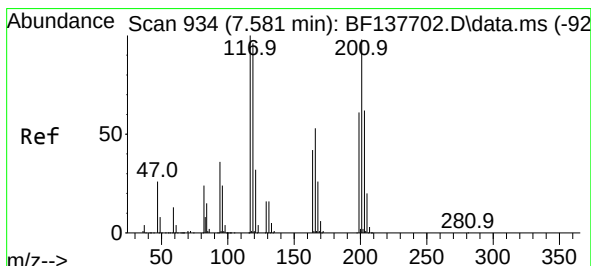
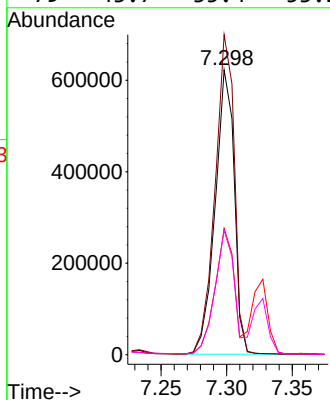
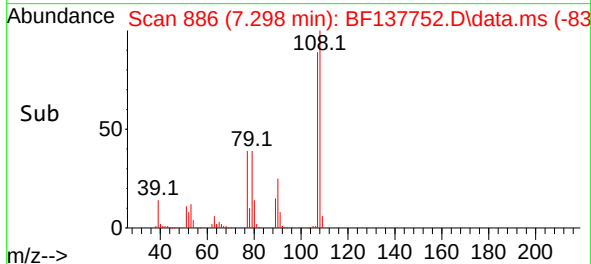
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



Tgt Ion:107 Resp: 626170
Ion Ratio Lower Upper
107 100
108 112.4 90.6 135.8
77 44.3 35.8 53.8
79 43.7 35.4 53.2

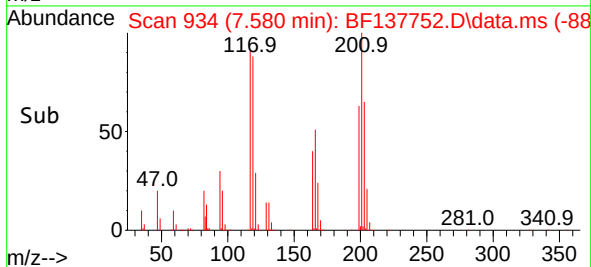
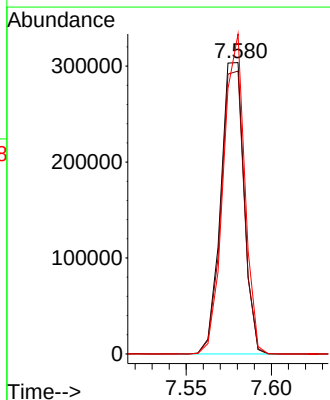
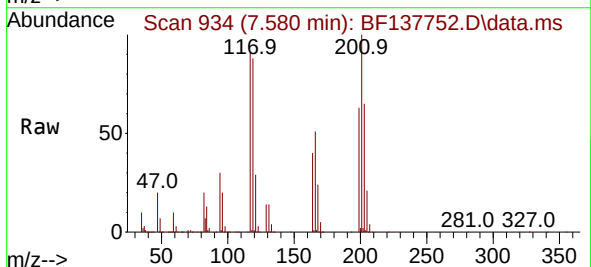
Manual Integrations
APPROVED

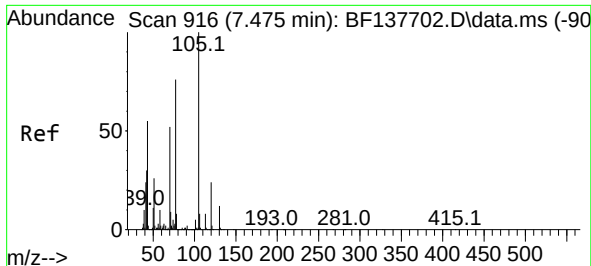
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#18
Hexachloroethane
Concen: 43.216 ng
RT: 7.580 min Scan# 934
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

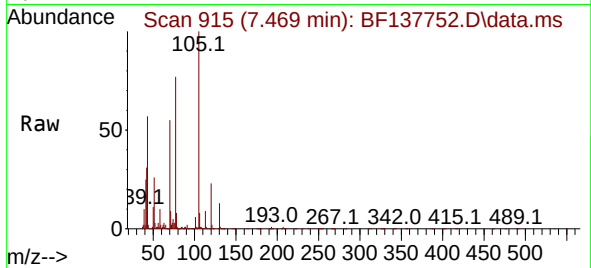
Tgt Ion:117 Resp: 289256
Ion Ratio Lower Upper
117 100
119 97.1 77.1 115.7
201 109.8 78.1 117.1





#19
n-Nitroso-di-n-propylamine
Concen: 38.628 ng
RT: 7.469 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

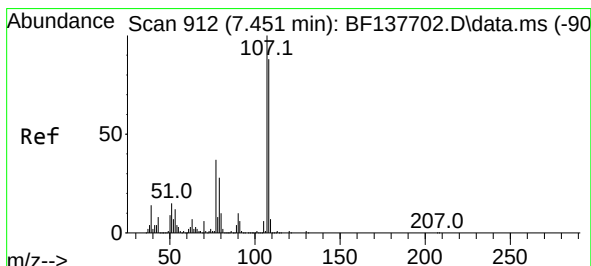
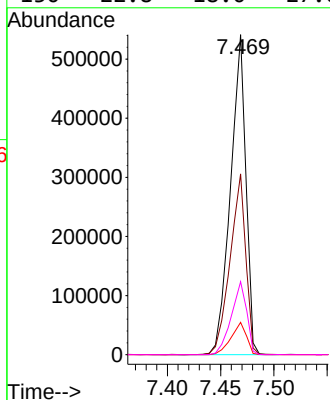
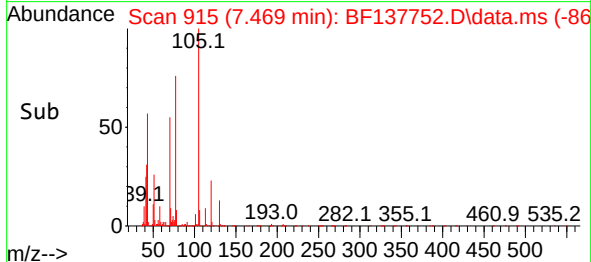
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



Tgt Ion: 70 Resp: 544288
Ion Ratio Lower Upper
70 100
42 56.5 45.9 68.9
101 10.1 8.0 12.0
130 22.8 18.0 27.0

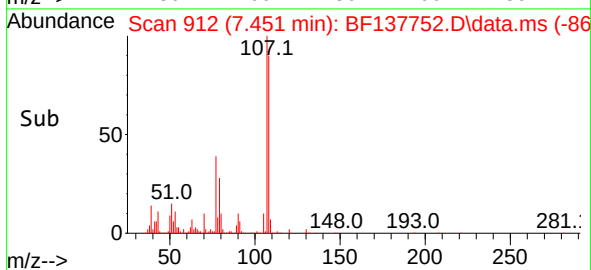
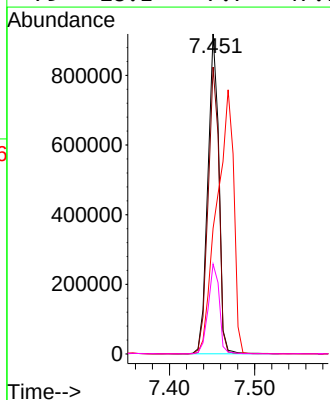
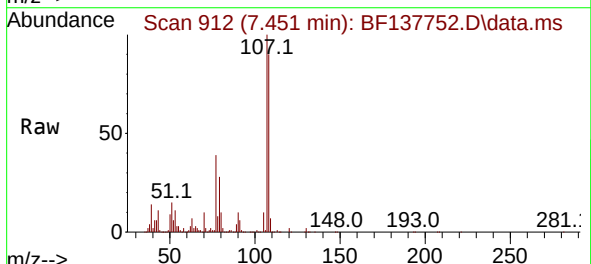
Manual Integrations
APPROVED

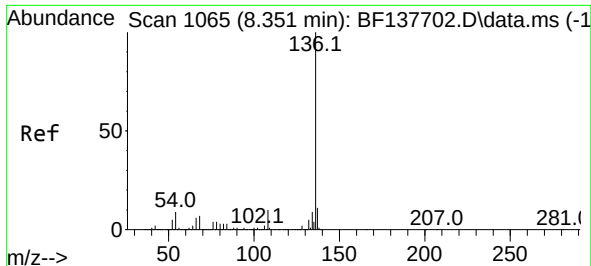
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#20
3+4-Methylphenols
Concen: 39.907 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

Tgt Ion:107 Resp: 820266
Ion Ratio Lower Upper
107 100
108 89.6 68.2 108.2
77 39.3 16.8 56.8
79 28.1 7.7 47.7





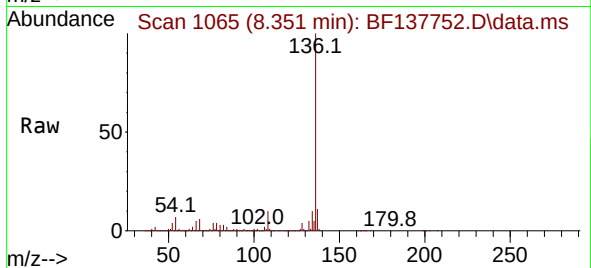
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.351 min Scan# 1065
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MSD

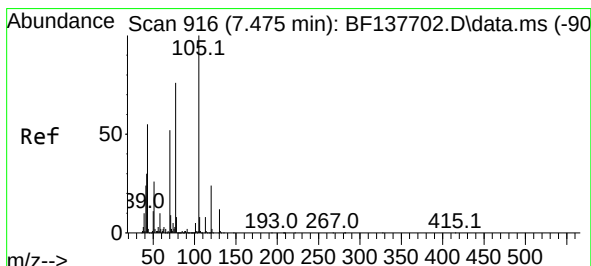
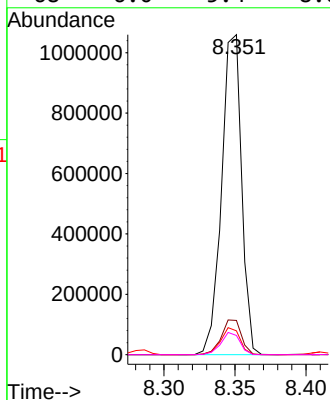
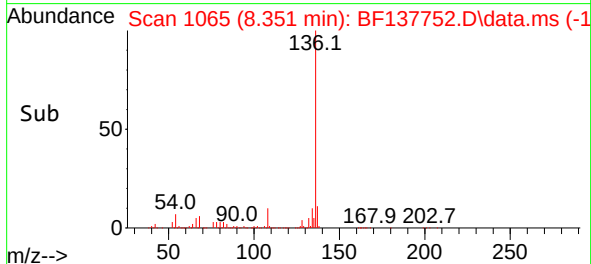


Tgt Ion:136 Resp: 103924
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.4 6.9 10.3
68 6.0 5.4 8.0

Manual Integrations

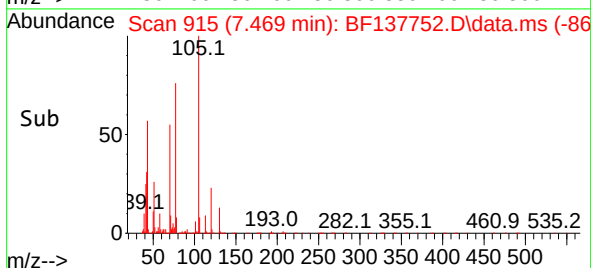
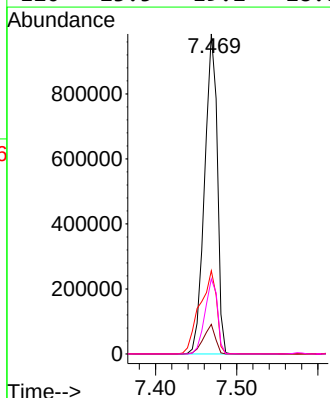
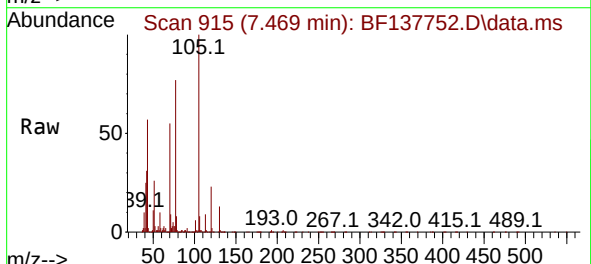
APPROVED

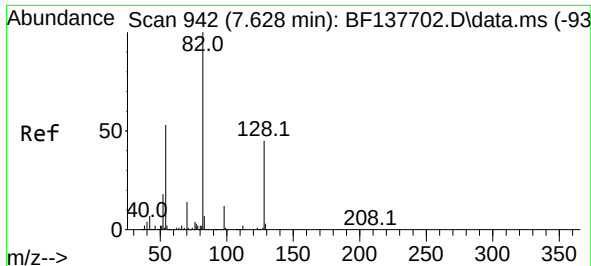
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#22
Acetophenone
Concen: 41.858 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

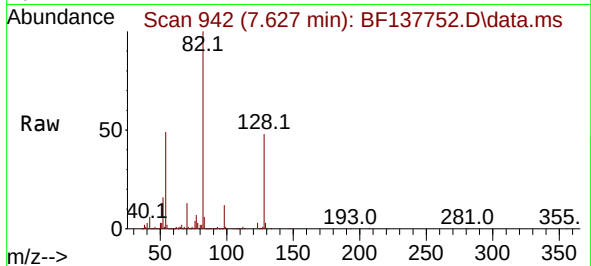
Tgt Ion:105 Resp: 1063982
Ion Ratio Lower Upper
105 100
71 9.2 7.0 10.6
51 26.0 20.5 30.7
120 23.5 19.2 28.8





#23
Nitrobenzene-d5
Concen: 54.080 ng
RT: 7.627 min Scan# 942
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

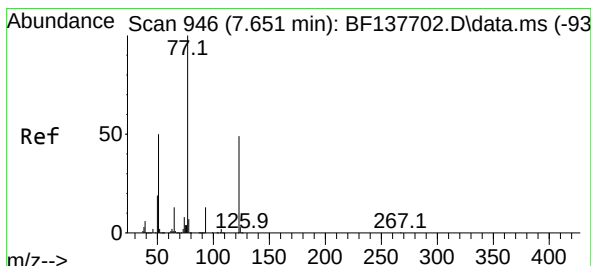
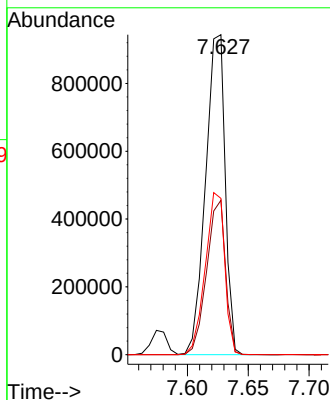
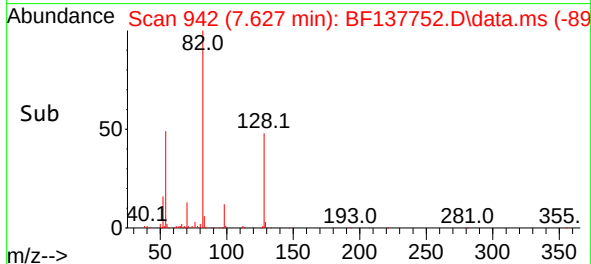
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



Tgt Ion: 82 Resp: 105875
Ion Ratio Lower Upper
82 100
128 48.3 35.8 53.6
54 48.9 42.5 63.7

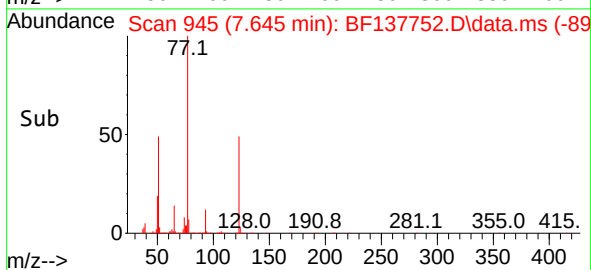
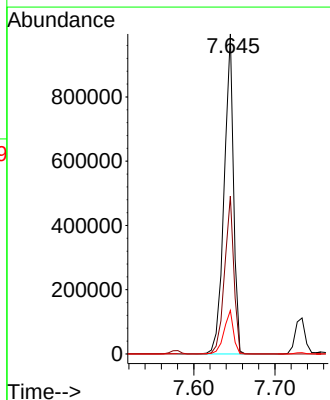
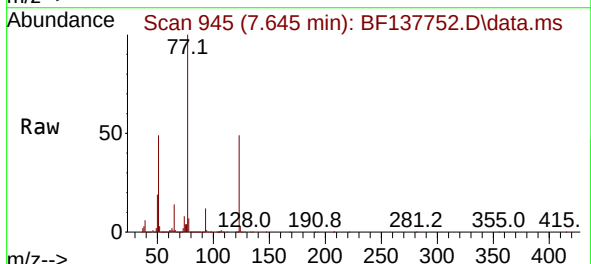
Manual Integrations
APPROVED

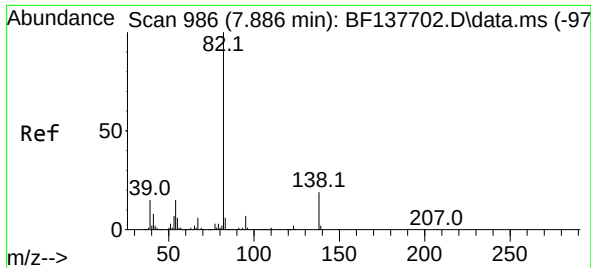
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#24
Nitrobenzene
Concen: 40.781 ng
RT: 7.645 min Scan# 945
Delta R.T. -0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

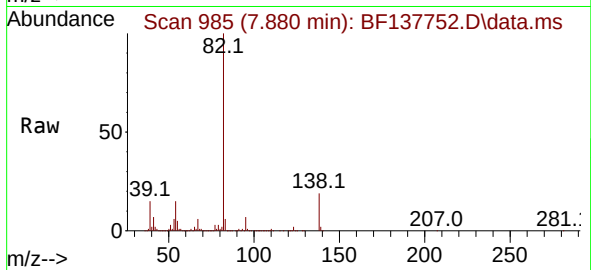
Tgt Ion: 77 Resp: 806633
Ion Ratio Lower Upper
77 100
123 49.4 40.4 60.6
65 13.6 10.7 16.1





#25
Isophorone
Concen: 41.018 ng
RT: 7.880 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

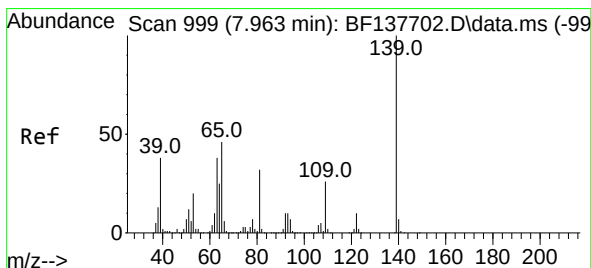
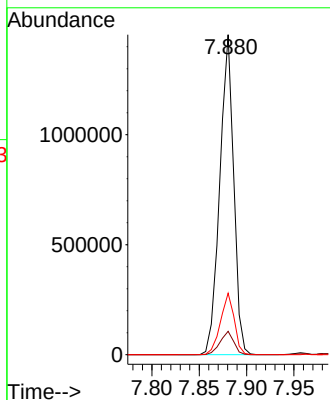
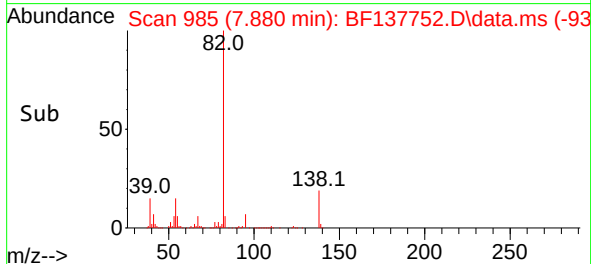
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



Tgt Ion: 82 Resp: 1491425
Ion Ratio Lower Upper
82 100
95 7.3 5.5 8.3
138 19.2 15.3 22.9

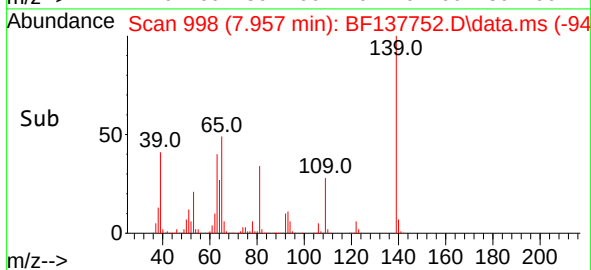
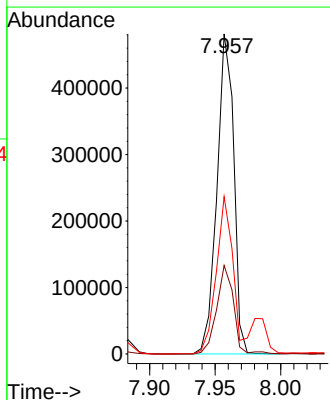
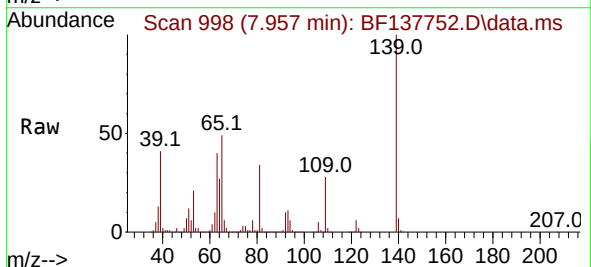
Manual Integrations
APPROVED

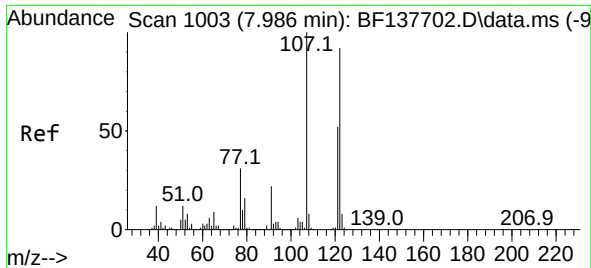
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#26
2-Nitrophenol
Concen: 49.266 ng
RT: 7.957 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

Tgt Ion:139 Resp: 427633
Ion Ratio Lower Upper
139 100
109 27.7 21.1 31.7
65 49.1 37.1 55.7





#27
2,4-Dimethylphenol
Concen: 34.273 ng
RT: 7.986 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

Instrument :

BNA_F

ClientSampleId :

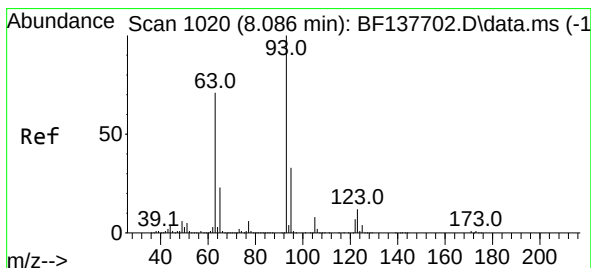
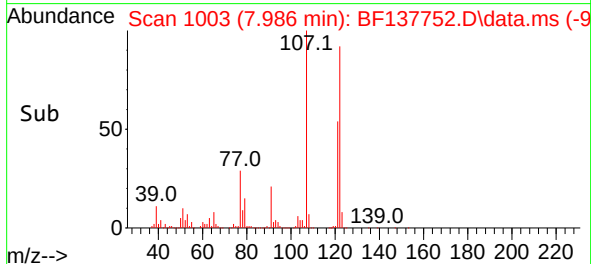
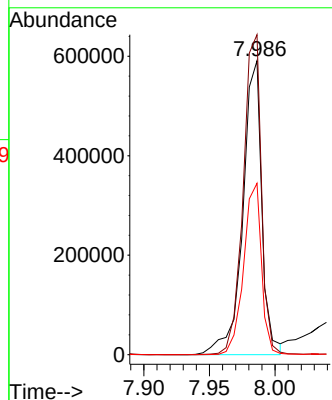
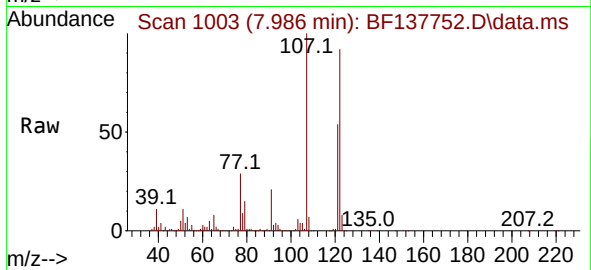
EXCAV-SOIL-1MSD

Tgt Ion:122 Resp: 60017
Ion Ratio Lower Upper
122 100
107 108.9 87.2 130.8
121 58.3 45.2 67.8

Manual Integrations

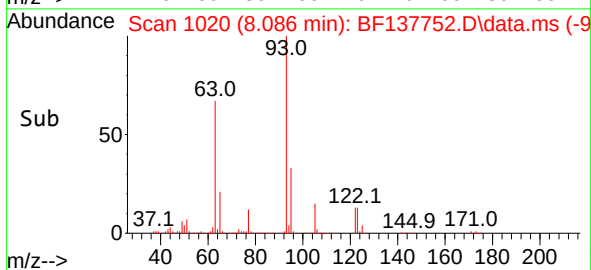
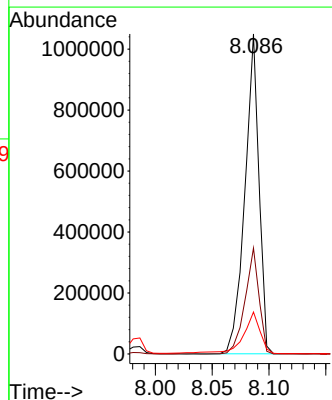
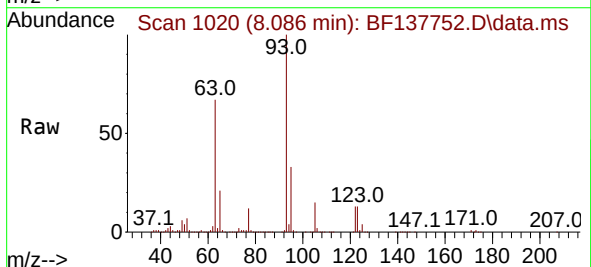
APPROVED

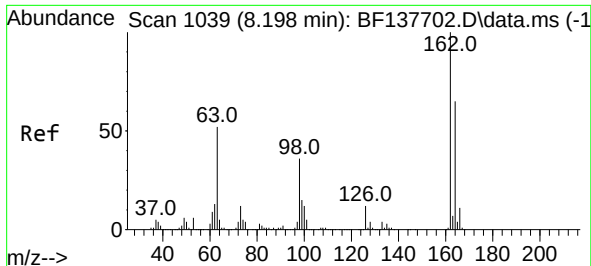
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#28
bis(2-Chloroethoxy)methane
Concen: 40.724 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

Tgt Ion: 93 Resp: 904416
Ion Ratio Lower Upper
93 100
95 33.1 26.5 39.7
123 13.1 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 44.260 ng

RT: 8.198 min Scan# 1039

Delta R.T. -0.000 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

Instrument :

BNA_F

ClientSampleId :

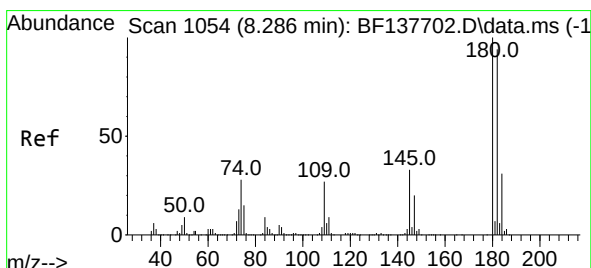
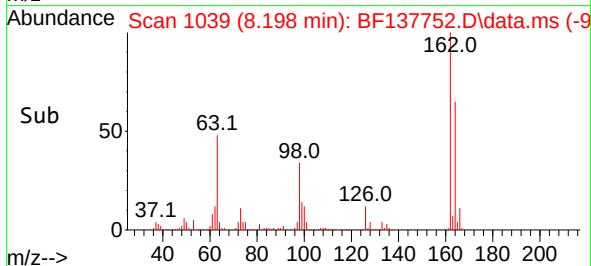
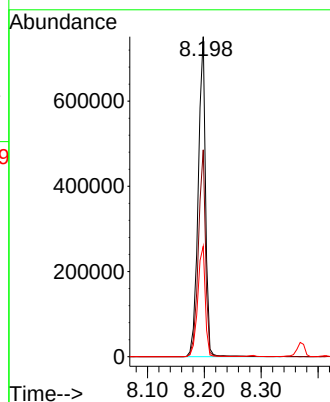
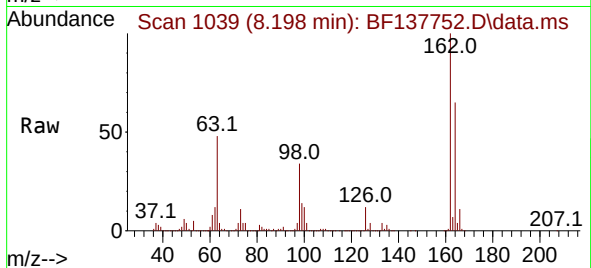
EXCAV-SOIL-1MSD

Tgt Ion:162 Resp: 67927
 Ion Ratio Lower Upper
 162 100
 164 64.6 45.2 85.2
 98 34.5 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: 44.515 ng

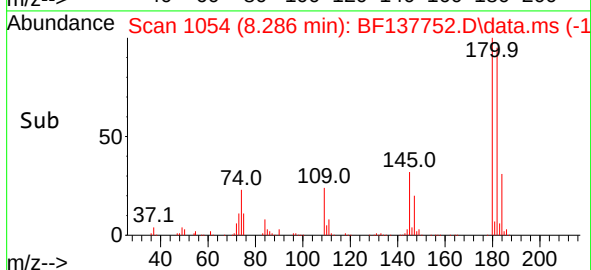
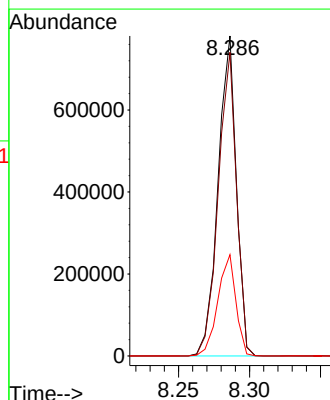
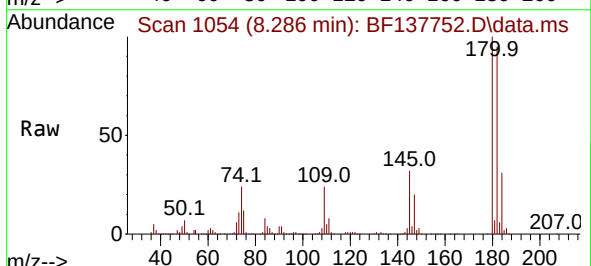
RT: 8.286 min Scan# 1054

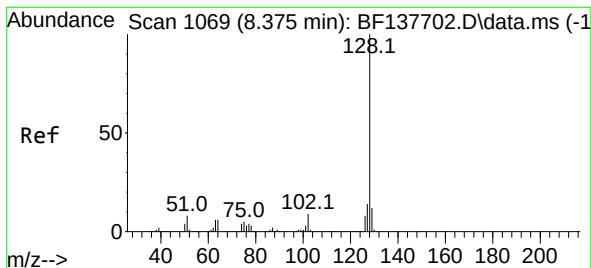
Delta R.T. -0.000 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

Tgt Ion:180 Resp: 696358
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.4 113.2
 145 31.7 26.3 39.5





#31

Naphthalene

Concen: 42.417 ng

RT: 8.369 min Scan# 1068

Delta R.T. -0.006 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MSD

Tgt Ion:128 Resp: 224948

Ion Ratio Lower Upper

128 100

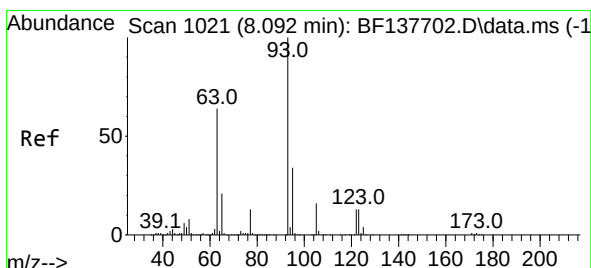
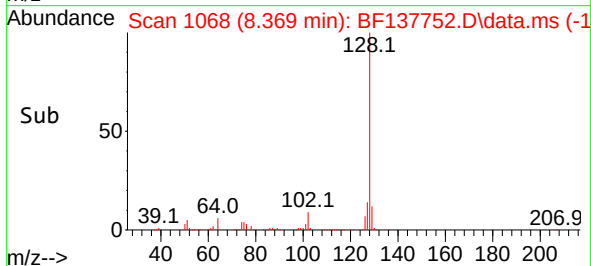
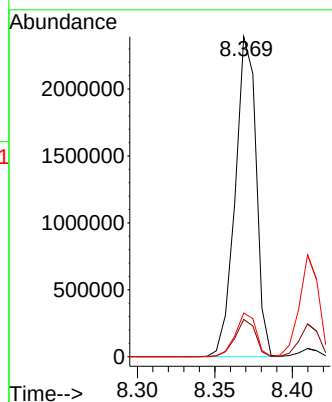
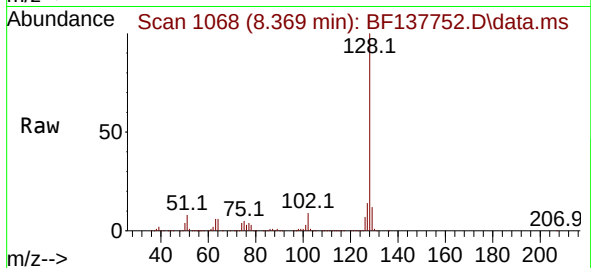
129 11.6 9.3 13.9

127 13.6 11.0 16.6

Manual Integrations

APPROVED

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



#32

Benzoic acid

Concen: 47.027 ng

RT: 8.098 min Scan# 1022

Delta R.T. 0.006 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

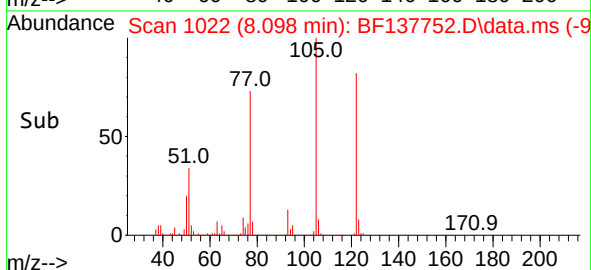
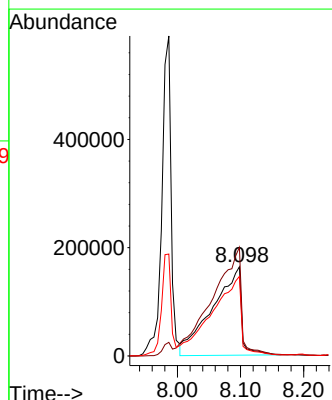
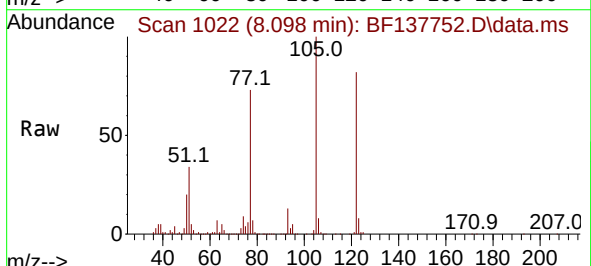
Tgt Ion:122 Resp: 521446

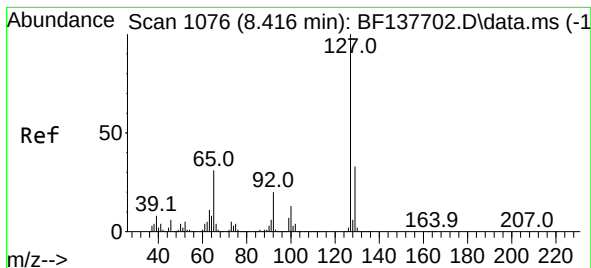
Ion Ratio Lower Upper

122 100

105 121.8 101.1 141.1

77 89.3 75.7 115.7





#33

4-Chloroaniline

Concen: 29.867 ng

RT: 8.410 min Scan# 1076

Delta R.T. -0.006 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MSD

Tgt Ion:127 Resp: 67043

Ion Ratio Lower Upper

127 100

129 32.1 26.4 39.6

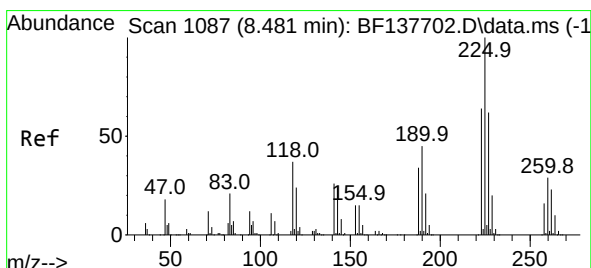
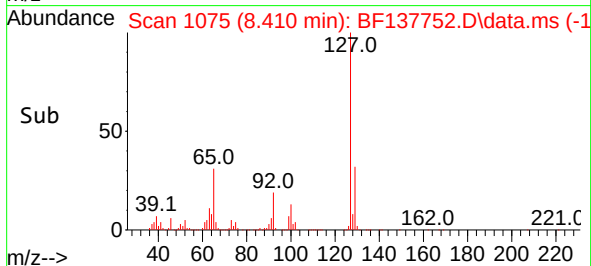
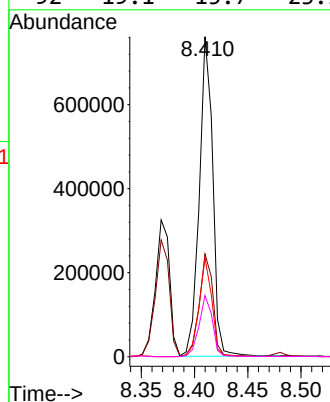
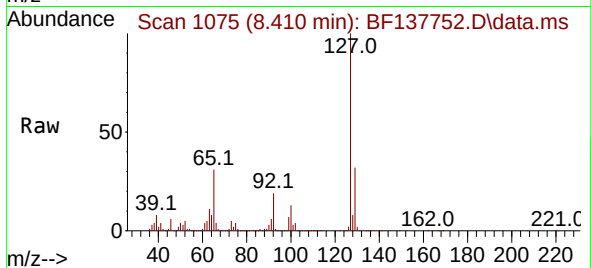
65 30.8 24.6 36.8

92 19.1 15.7 23.5

Manual Integrations

APPROVED

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



#34

Hexachlorobutadiene

Concen: 43.642 ng

RT: 8.480 min Scan# 1087

Delta R.T. -0.000 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

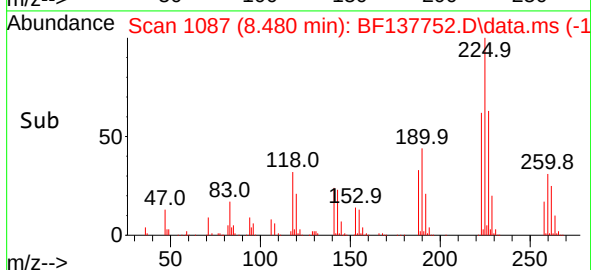
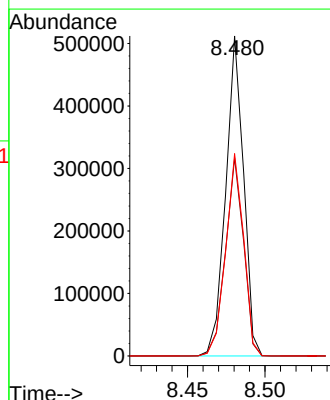
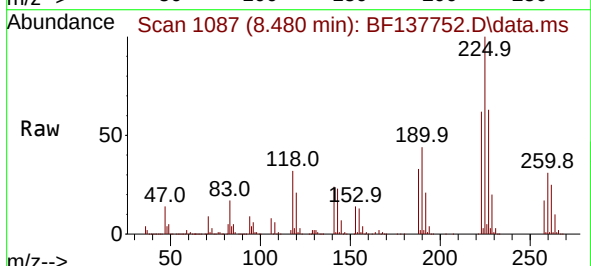
Tgt Ion:225 Resp: 409282

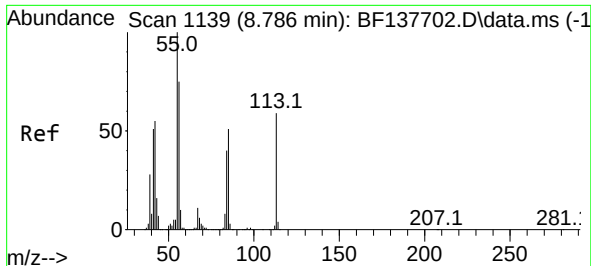
Ion Ratio Lower Upper

225 100

223 61.9 51.4 77.0

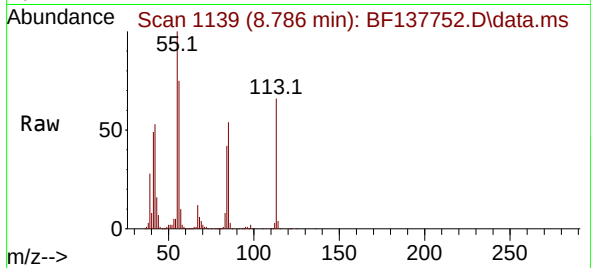
227 63.2 49.4 74.2





#35
Caprolactam
Concen: 46.789 ng m
RT: 8.786 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

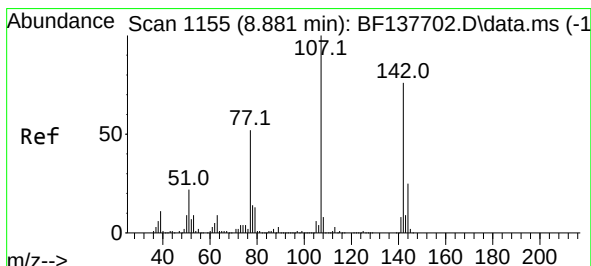
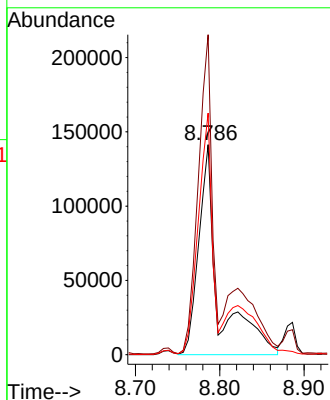
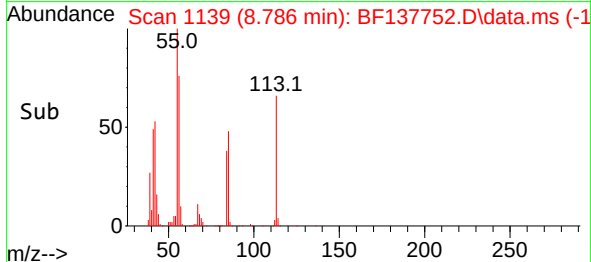
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



Tgt Ion:113 Resp: 232164
Ion Ratio Lower Upper
113 100
55 152.3 148.7 188.7
56 115.0 107.2 147.2

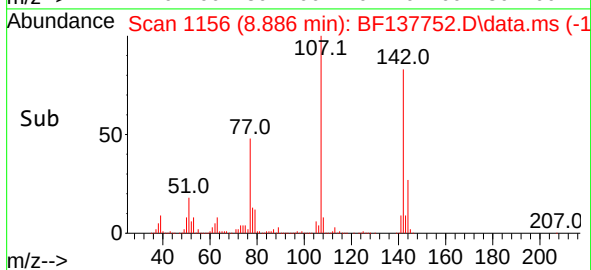
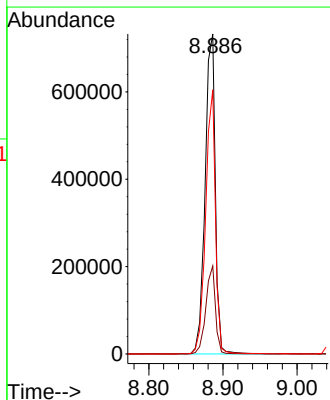
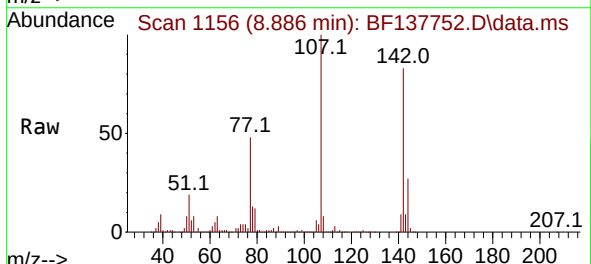
Manual Integrations
APPROVED

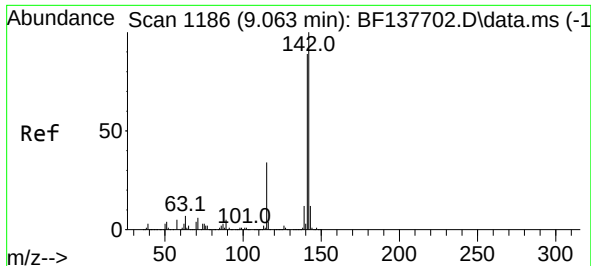
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#36
4-Chloro-3-methylphenol
Concen: 43.233 ng
RT: 8.886 min Scan# 1156
Delta R.T. 0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

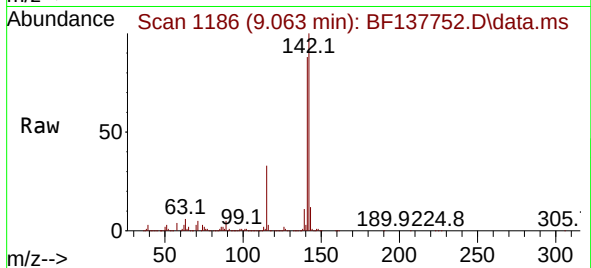
Tgt Ion:107 Resp: 703739
Ion Ratio Lower Upper
107 100
144 27.5 19.8 29.8
142 82.6 60.5 90.7





#37
2-Methylnaphthalene
Concen: 41.337 ng
RT: 9.063 min Scan# 1186
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

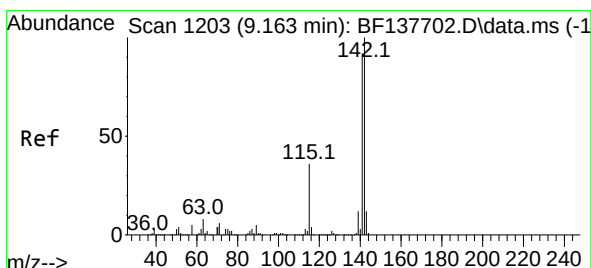
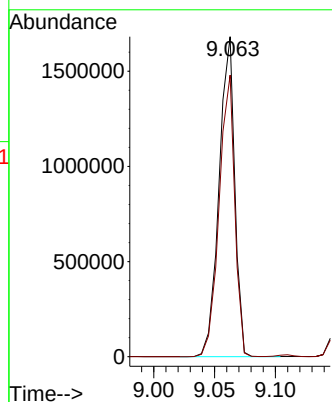
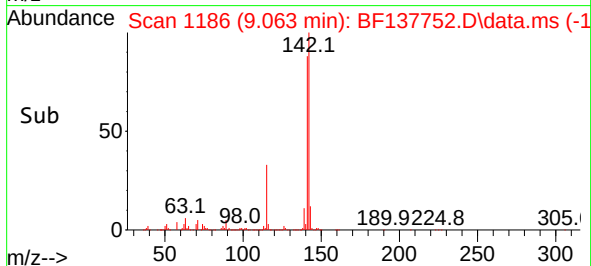
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



Tgt Ion:142 Resp: 1504654
Ion Ratio Lower Upper
142 100
141 88.0 71.2 106.8

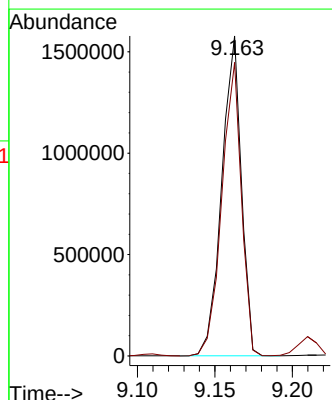
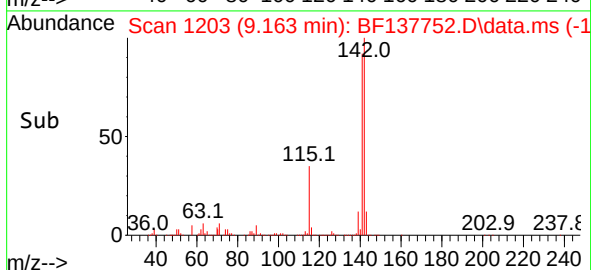
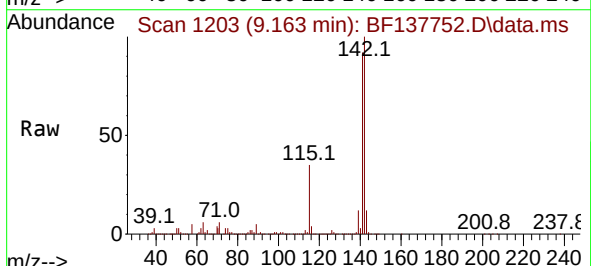
Manual Integrations
APPROVED

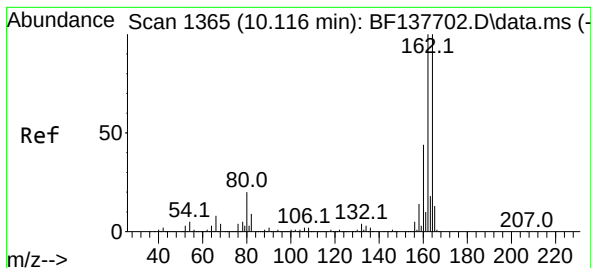
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#38
1-Methylnaphthalene
Concen: 40.764 ng
RT: 9.163 min Scan# 1203
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

Tgt Ion:142 Resp: 1387272
Ion Ratio Lower Upper
142 100
141 91.7 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: BF137752.D

Acq: 29 Apr 2024 16:23

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MSD

Tgt Ion:164 Resp: 58800

Ion Ratio Lower Upper

164 100

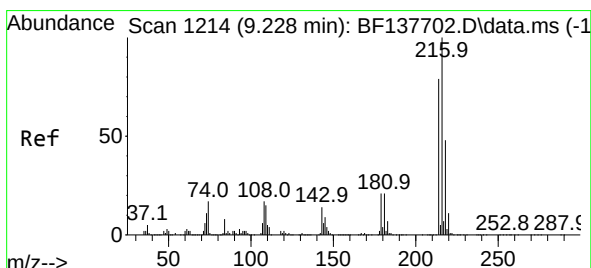
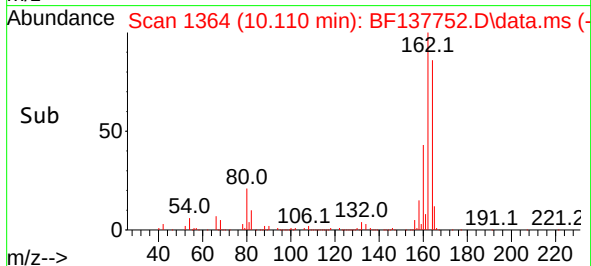
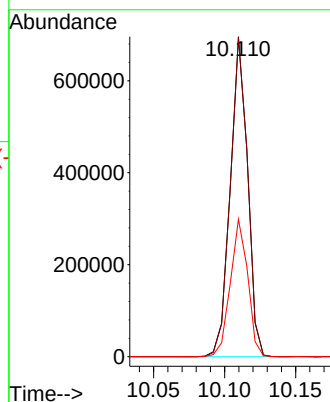
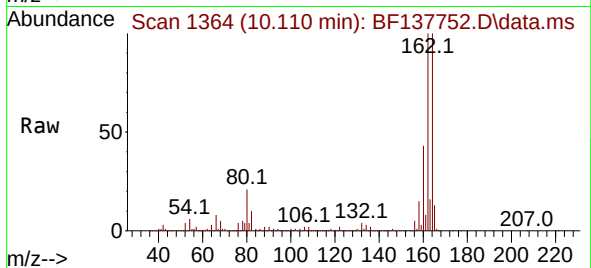
162 100.2 80.3 120.5

160 43.1 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: 44.020 ng

RT: 9.227 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

Tgt Ion:216 Resp: 709615

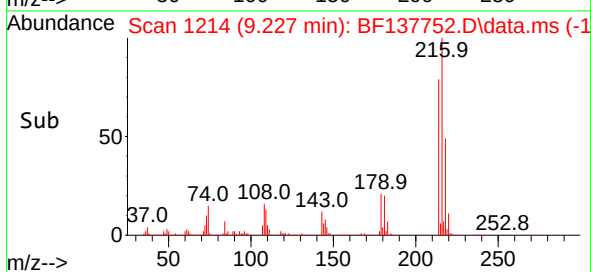
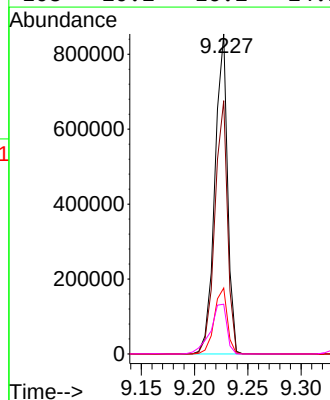
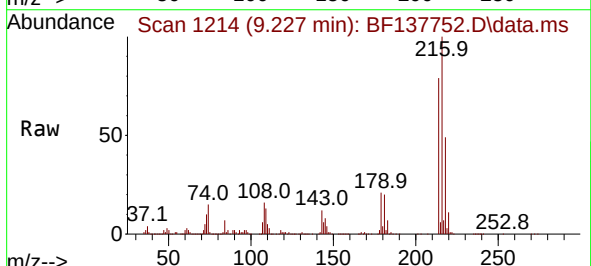
Ion Ratio Lower Upper

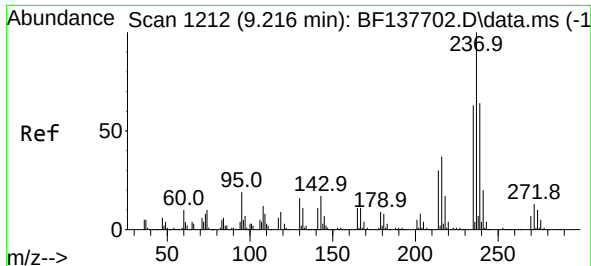
216 100

214 79.0 63.4 95.0

179 21.1 17.1 25.7

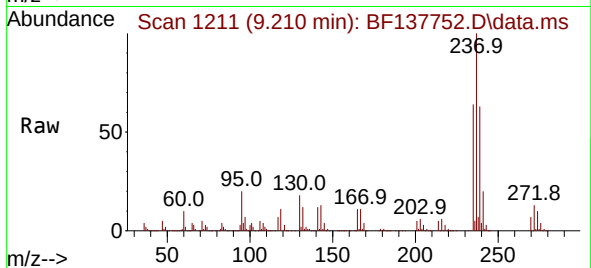
108 20.2 16.2 24.2





#41
Hexachlorocyclopentadiene
Concen: 80.590 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

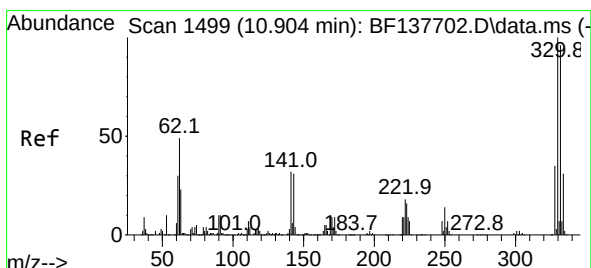
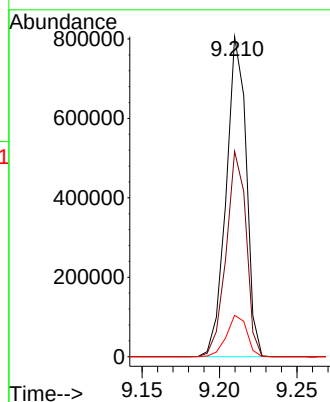
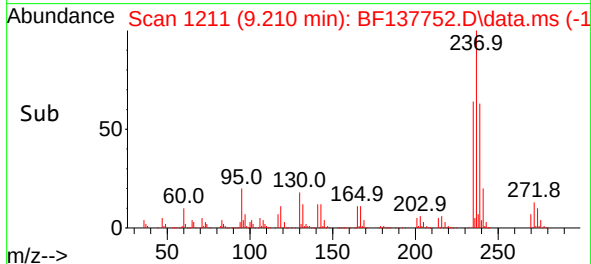
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



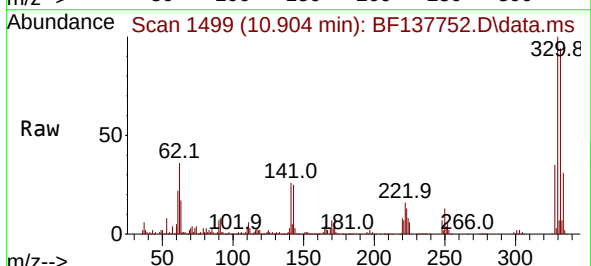
Tgt Ion:237 Resp: 72792
Ion Ratio Lower Upper
237 100
235 64.2 42.9 82.9
272 13.0 0.0 33.1

Manual Integrations
APPROVED

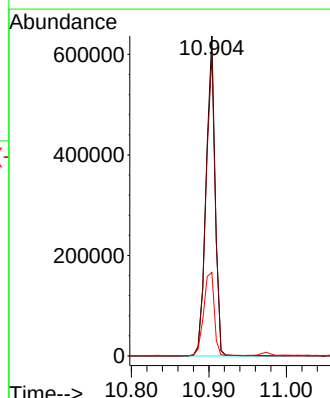
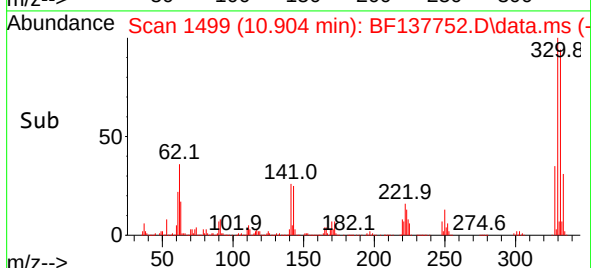
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

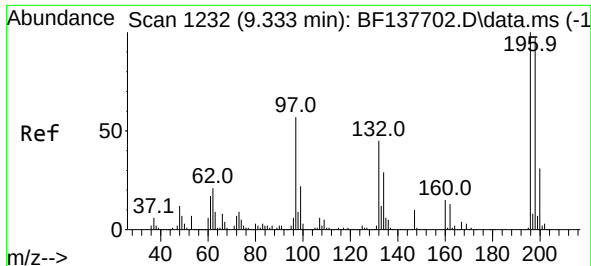


#42
2,4,6-Tribromophenol
Concen: 87.099 ng
RT: 10.904 min Scan# 1499
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23



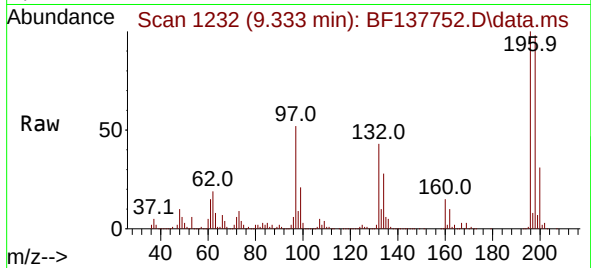
Tgt Ion:330 Resp: 516797
Ion Ratio Lower Upper
330 100
332 95.9 77.1 115.7
141 30.5 27.0 40.4





#43
2,4,6-Trichlorophenol
Concen: 44.750 ng
RT: 9.333 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

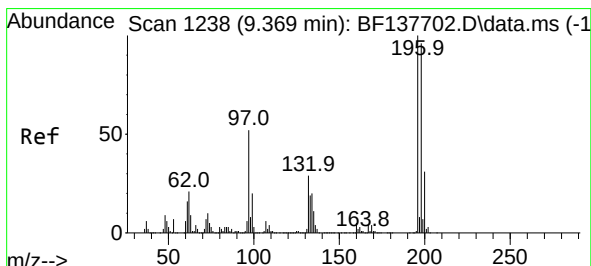
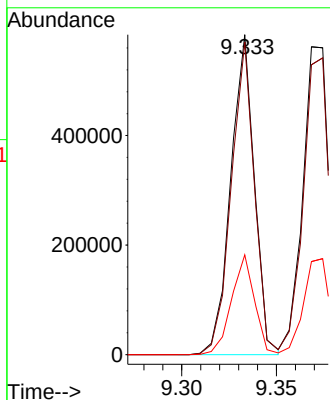
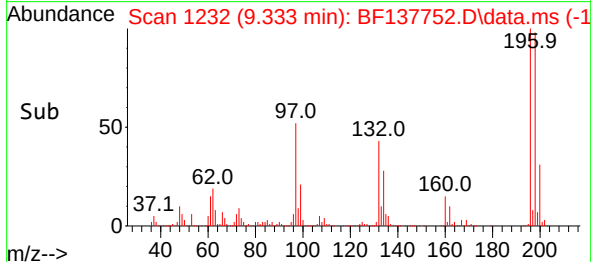
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



Tgt Ion:196 Resp: 506069
Ion Ratio Lower Upper
196 100
198 97.7 77.8 116.6
200 31.2 25.0 37.4

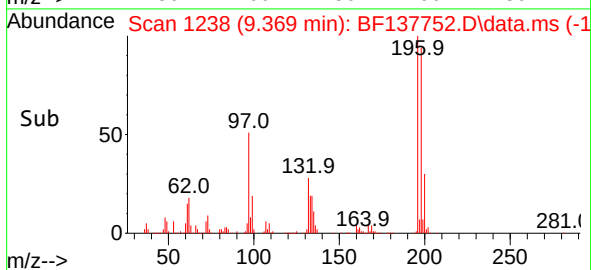
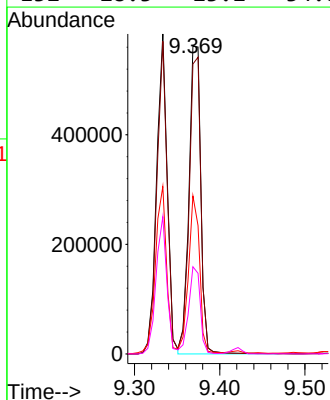
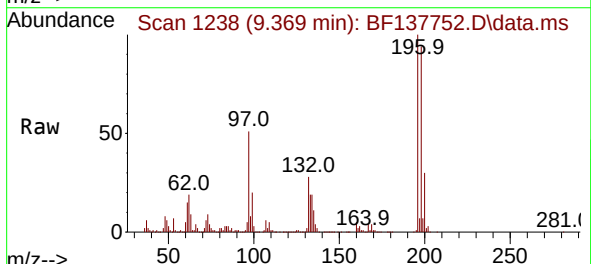
Manual Integrations
APPROVED

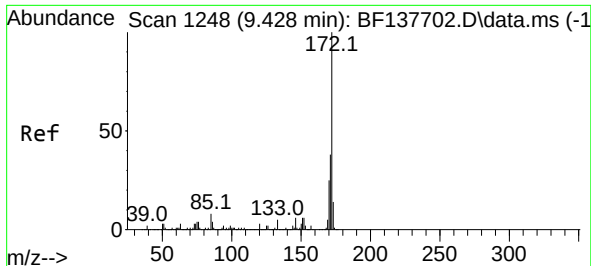
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#44
2,4,5-Trichlorophenol
Concen: 41.819 ng
RT: 9.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

Tgt Ion:196 Resp: 541993
Ion Ratio Lower Upper
196 100
198 94.2 77.2 115.8
97 51.4 41.8 62.8
132 28.3 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 53.582 ng

RT: 9.421 min Scan# 1247

Delta R.T. -0.007 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MSD

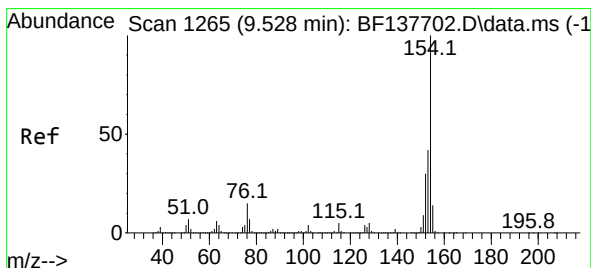
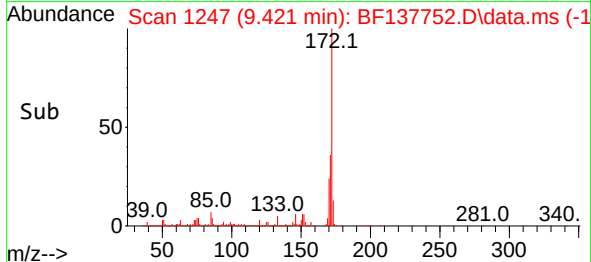
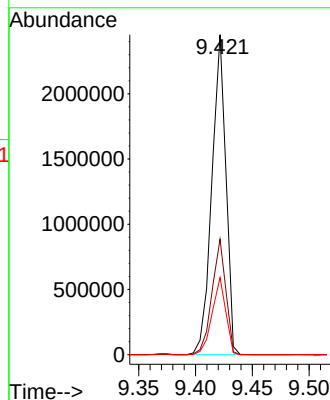
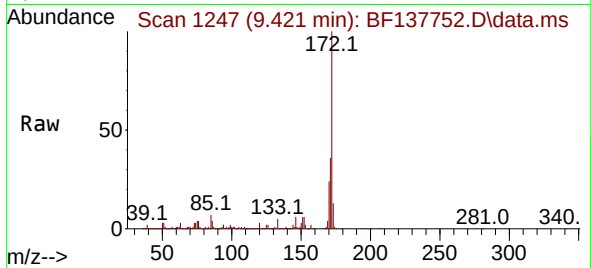
Tgt Ion:172 Resp: 210857

Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.2	45.4
170	24.1	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: 42.619 ng

RT: 9.527 min Scan# 1265

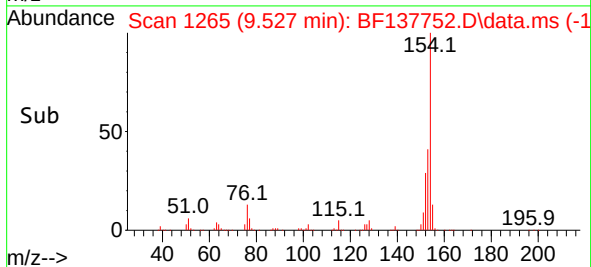
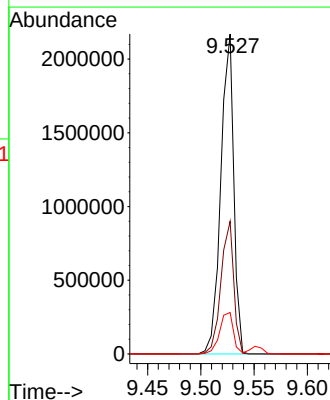
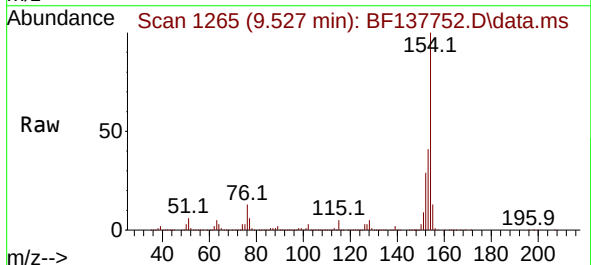
Delta R.T. -0.000 min

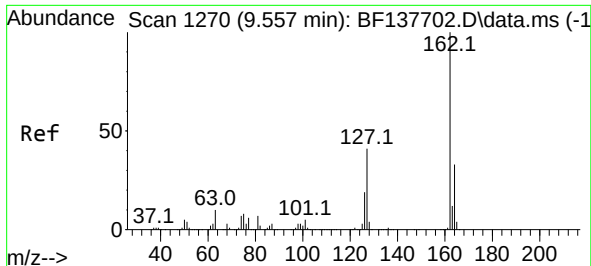
Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

Tgt Ion:154 Resp: 1823098

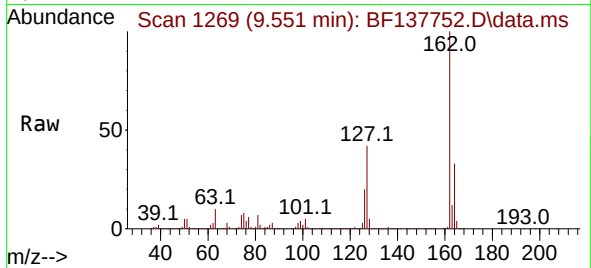
Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.9	61.9
76	12.9	0.0	35.3





#47
2-Chloronaphthalene
Concen: 43.638 ng
RT: 9.551 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

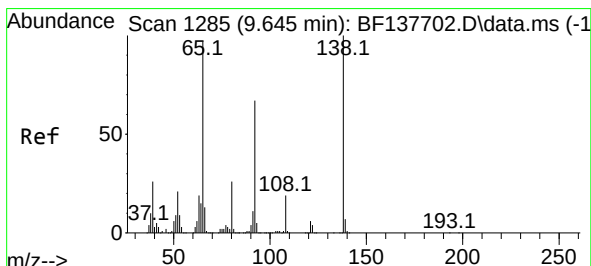
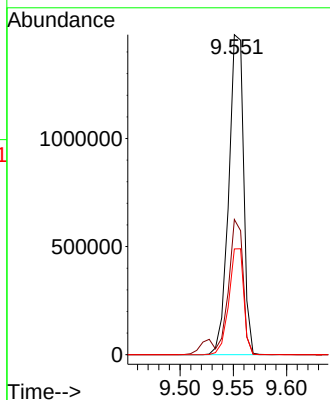
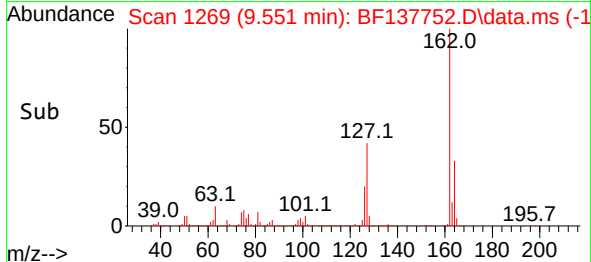
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



Tgt Ion:162 Resp: 1438934
Ion Ratio Lower Upper
162 100
127 42.2 33.1 49.7
164 33.1 26.5 39.7

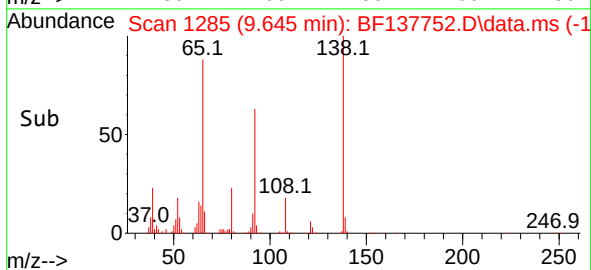
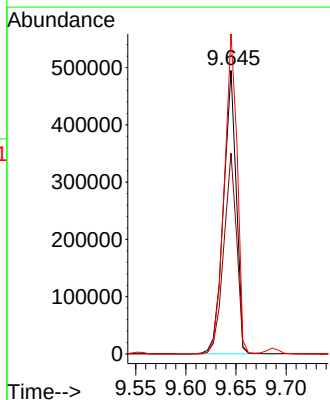
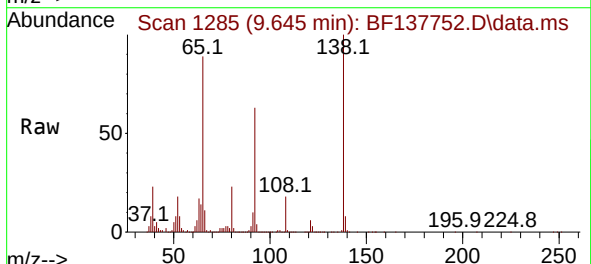
Manual Integrations
APPROVED

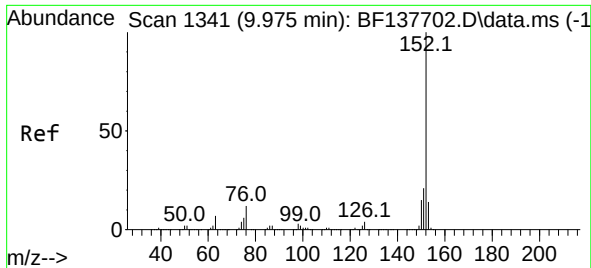
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#48
2-Nitroaniline
Concen: 43.619 ng
RT: 9.645 min Scan# 1285
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

Tgt Ion: 65 Resp: 438289
Ion Ratio Lower Upper
65 100
92 70.8 54.9 82.3
138 112.8 82.4 123.6





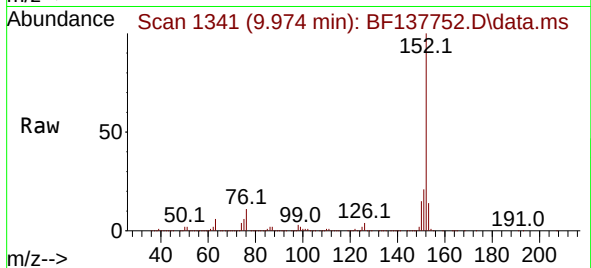
#49
Acenaphthylene
Concen: 43.855 ng
RT: 9.974 min Scan# 1341
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MSD

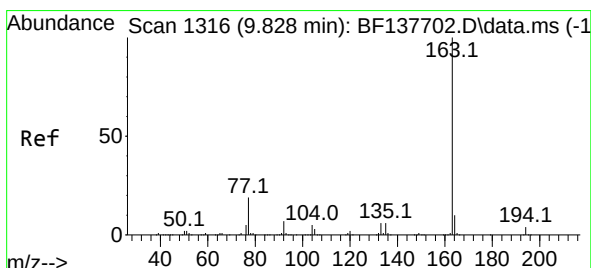
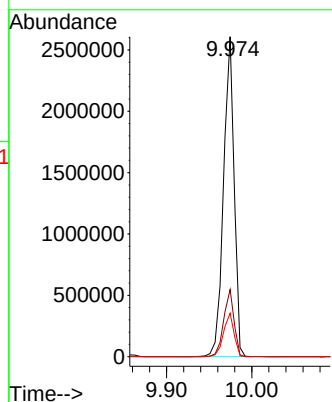
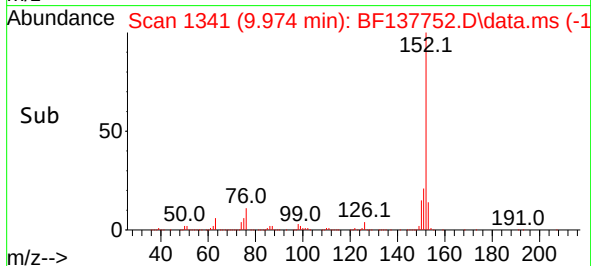


Tgt Ion:152 Resp: 2255129
Ion Ratio Lower Upper
152 100
151 21.0 16.8 25.2
153 13.6 11.0 16.4

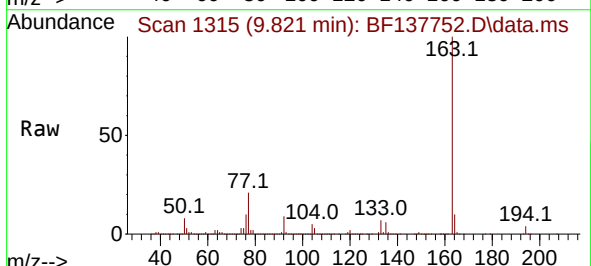
Manual Integrations

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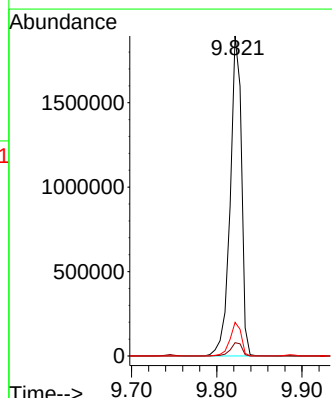
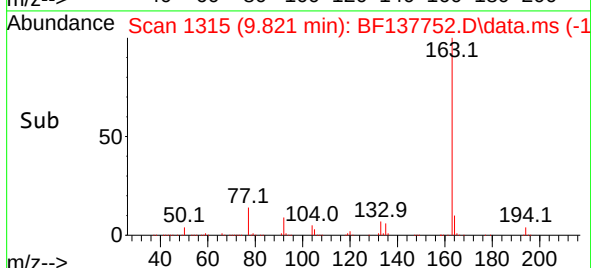
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

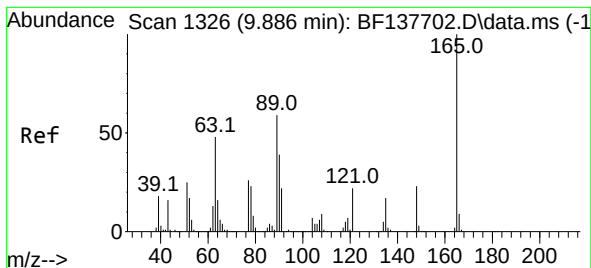


#50
Dimethylphthalate
Concen: 42.694 ng
RT: 9.821 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23



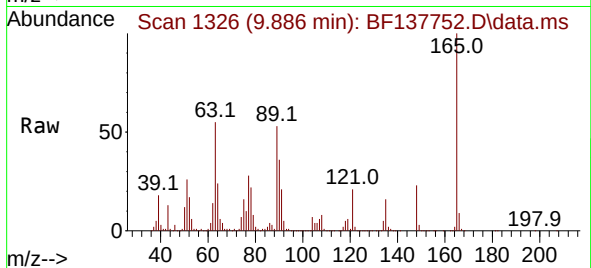
Tgt Ion:163 Resp: 1749081
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 10.5 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 45.173 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

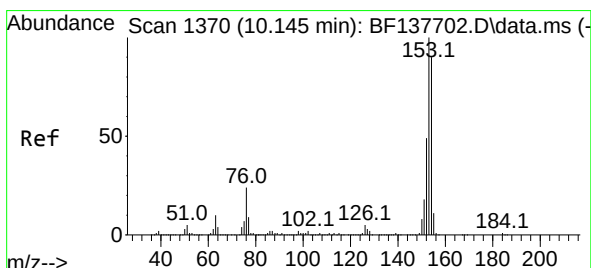
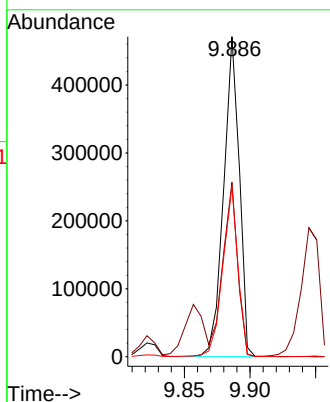
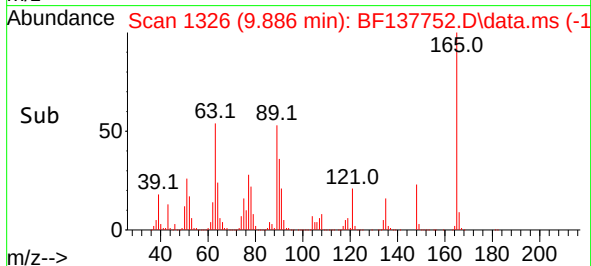
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



Tgt Ion:165 Resp: 389925
Ion Ratio Lower Upper
165 100
63 54.5 47.7 71.5
89 53.2 47.3 70.9

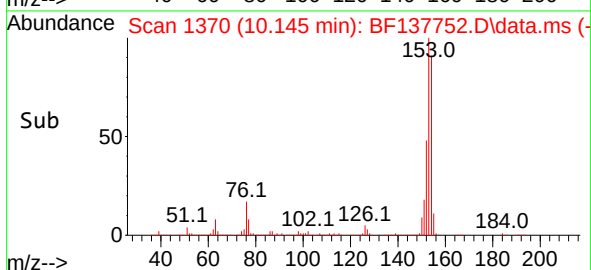
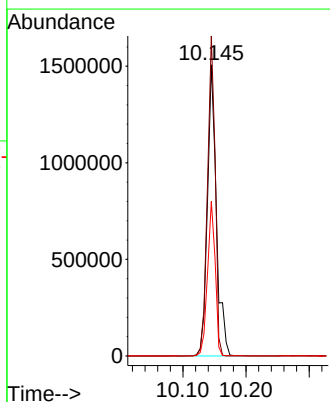
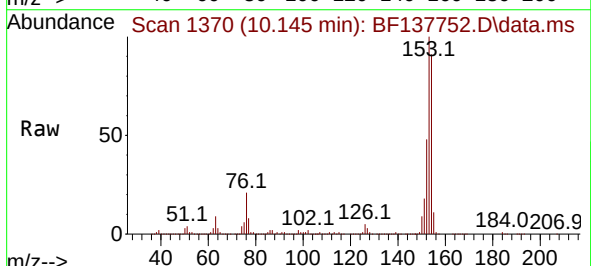
Manual Integrations
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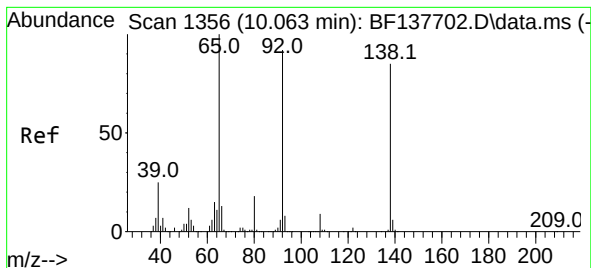
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#52
Acenaphthene
Concen: 45.044 ng
RT: 10.145 min Scan# 1370
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

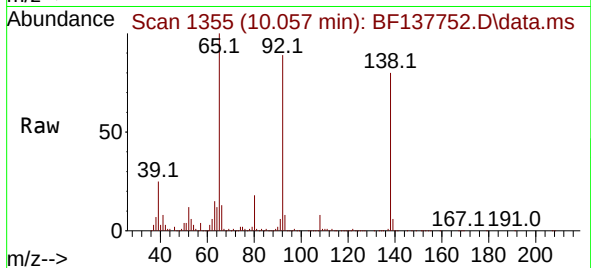
Tgt Ion:154 Resp: 1499826
Ion Ratio Lower Upper
154 100
153 109.9 88.5 132.7
152 53.1 43.3 64.9





#53
3-Nitroaniline
Concen: 36.369 ng
RT: 10.057 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

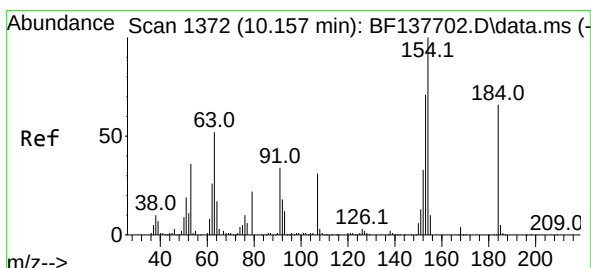
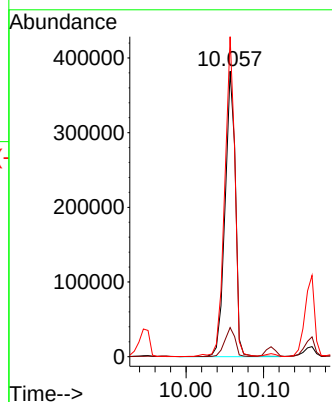
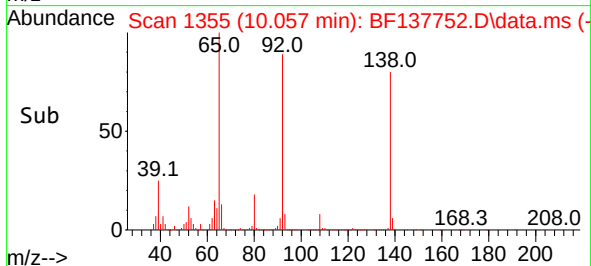
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



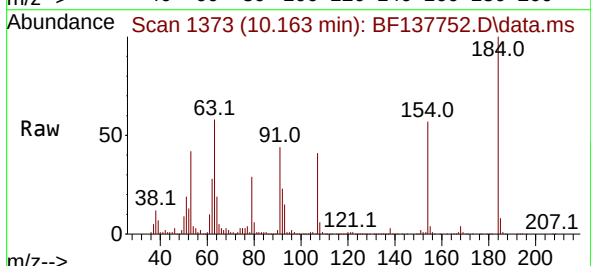
Tgt Ion:138 Resp: 352785
Ion Ratio Lower Upper
138 100
108 10.2 8.3 12.5
92 112.1 86.9 130.3

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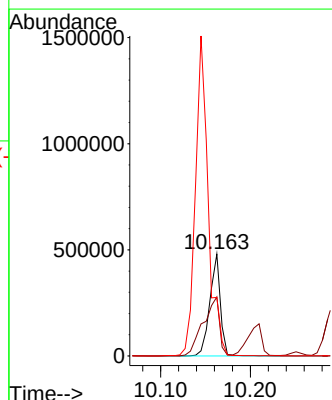
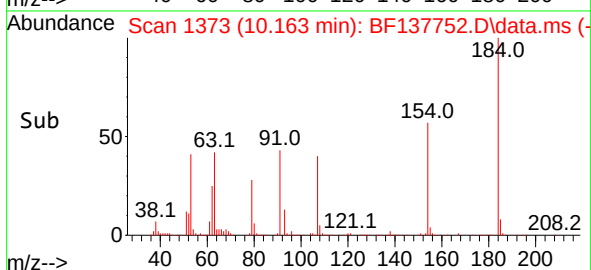
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

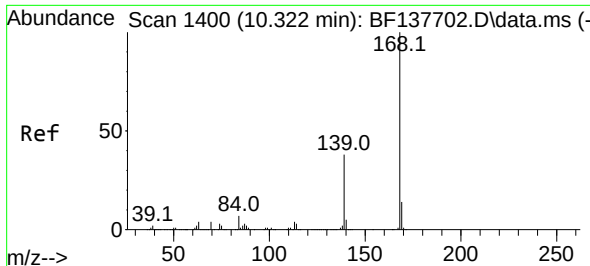


#54
2,4-Dinitrophenol
Concen: 85.190 ng
RT: 10.163 min Scan# 1373
Delta R.T. 0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23



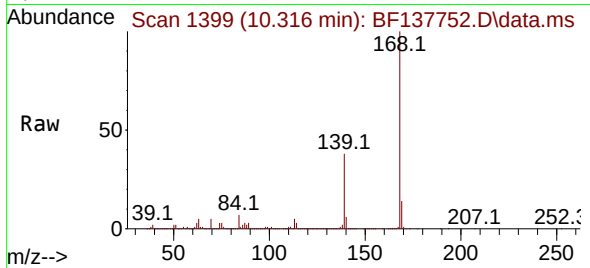
Tgt Ion:184 Resp: 392481
Ion Ratio Lower Upper
184 100
63 57.9 63.5 95.3#
154 57.4 123.0 184.6#





#55
Dibenzenofuran
Concen: 41.754 ng
RT: 10.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

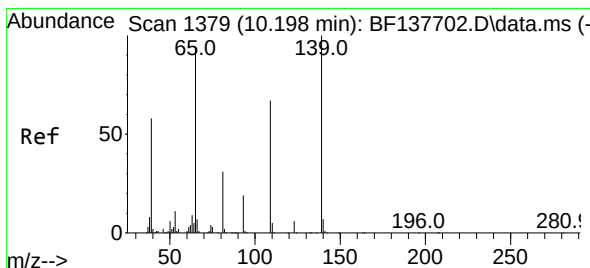
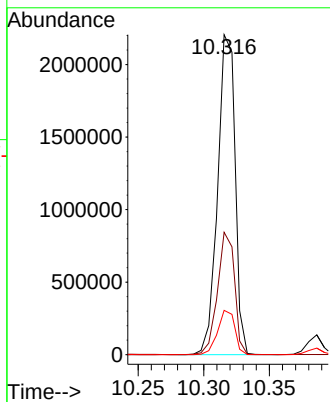
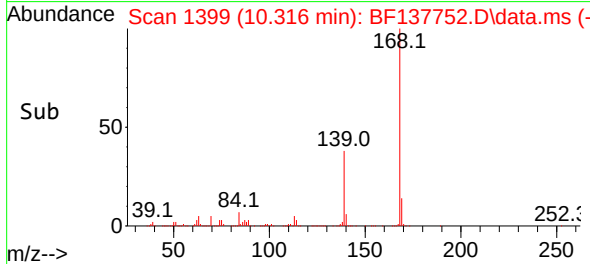
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



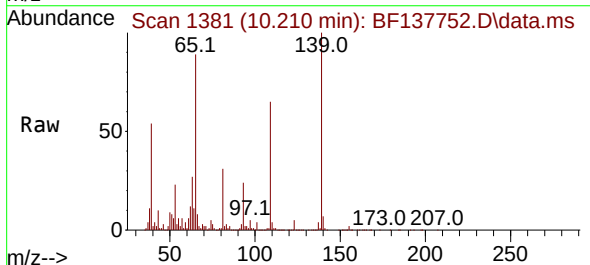
Tgt Ion:168 Resp: 203794
Ion Ratio Lower Upper
168 100
139 38.2 30.1 45.1
169 13.8 10.9 16.3

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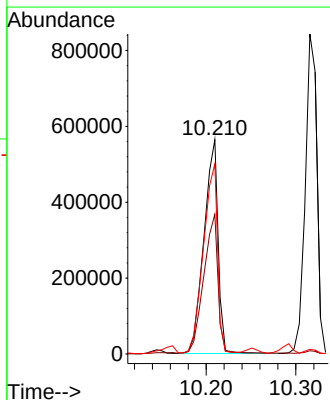
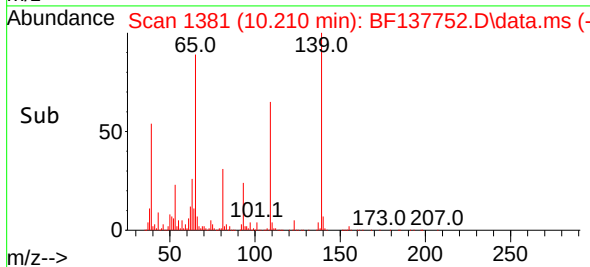
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

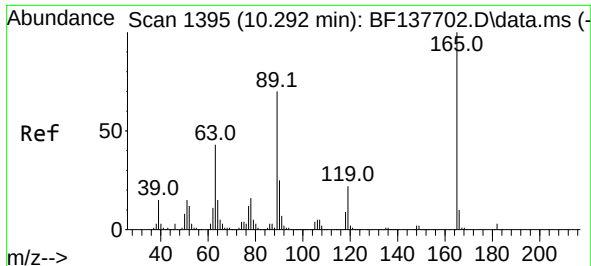


#56
4-Nitrophenol
Concen: 81.836 ng
RT: 10.210 min Scan# 1381
Delta R.T. 0.012 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23



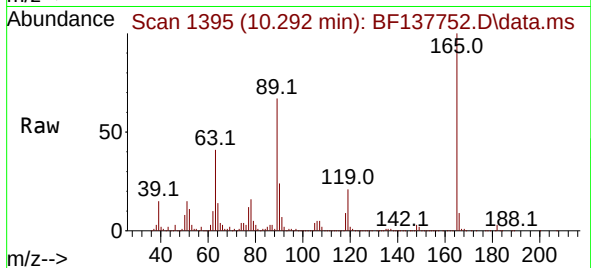
Tgt Ion:139 Resp: 617341
Ion Ratio Lower Upper
139 100
109 65.2 46.9 86.9
65 88.7 75.8 115.8





#57
2,4-Dinitrotoluene
Concen: 48.226 ng
RT: 10.292 min Scan# 1395
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

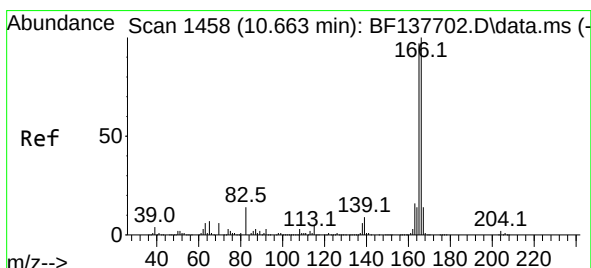
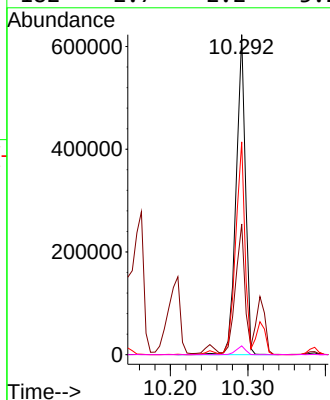
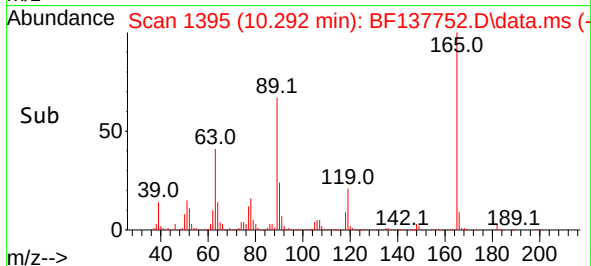
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



Tgt Ion:165 Resp: 524802
Ion Ratio Lower Upper
165 100
63 40.8 34.1 51.1
89 66.5 56.4 84.6
182 2.7 2.2 3.2

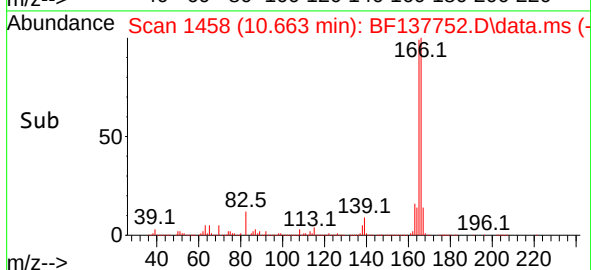
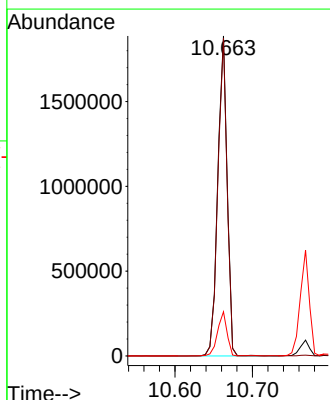
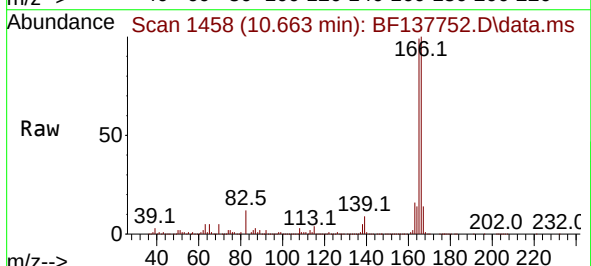
Manual Integrations
APPROVED

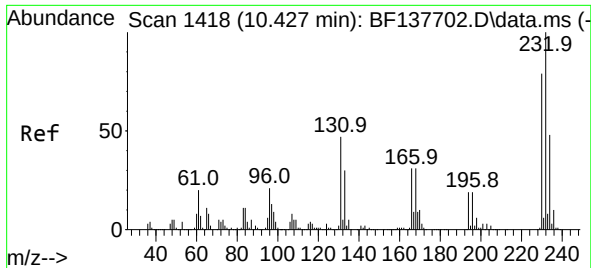
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#58
Fluorene
Concen: 41.518 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

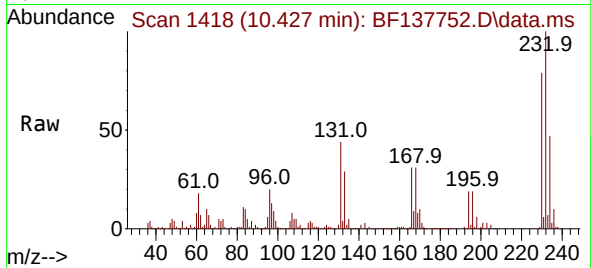
Tgt Ion:166 Resp: 1583390
Ion Ratio Lower Upper
166 100
165 99.3 77.8 116.6
167 13.8 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.873 ng
RT: 10.427 min Scan# 1418
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

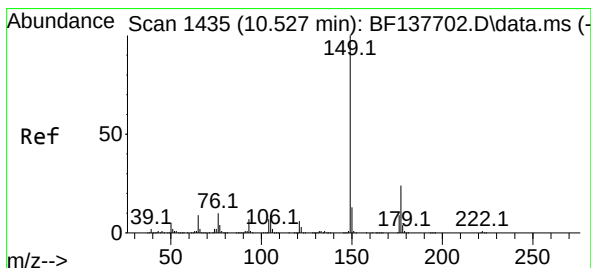
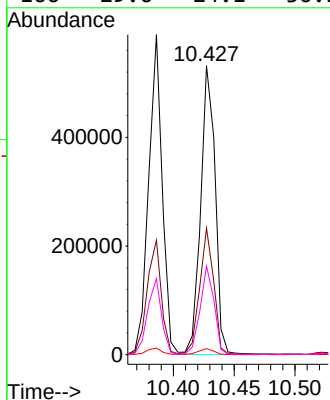
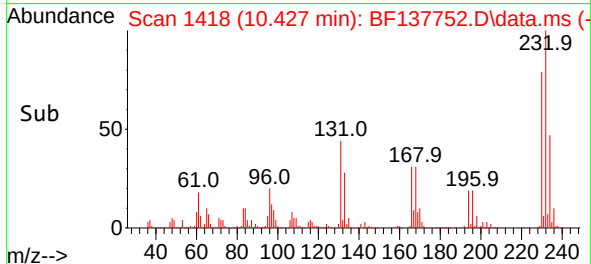
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



Tgt Ion:232 Resp: 440291
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

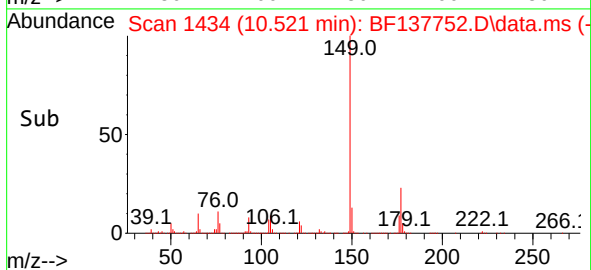
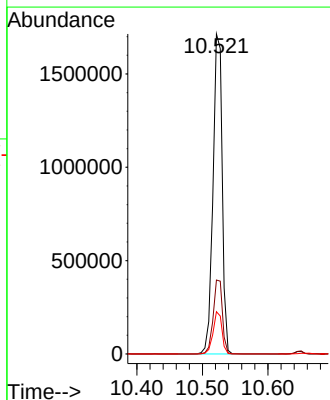
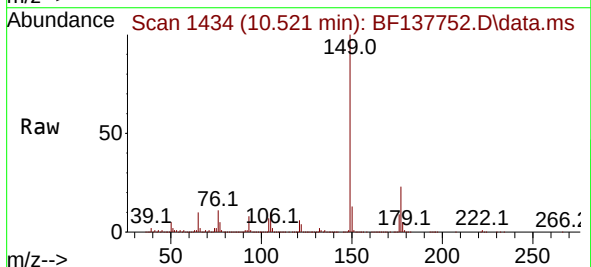
Manual Integrations
APPROVED

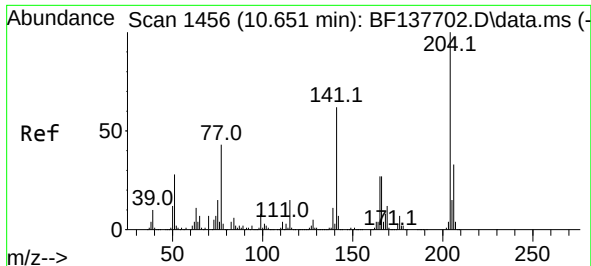
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#60
Diethylphthalate
Concen: 42.480 ng
RT: 10.521 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

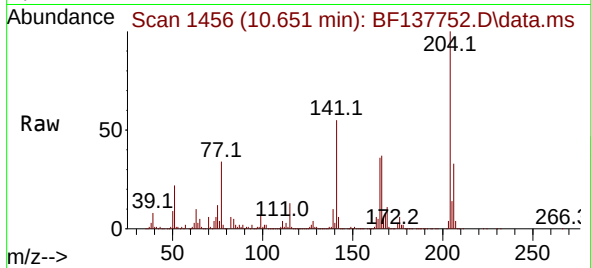
Tgt Ion:149 Resp: 1673871
Ion Ratio Lower Upper
149 100
177 23.1 19.0 28.4
150 13.2 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 42.176 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

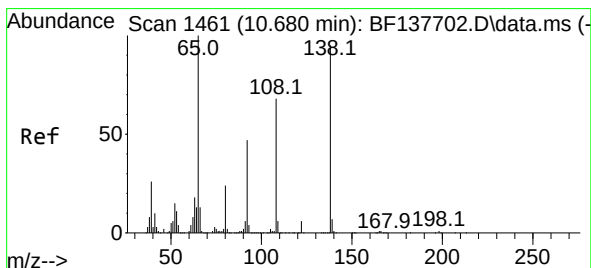
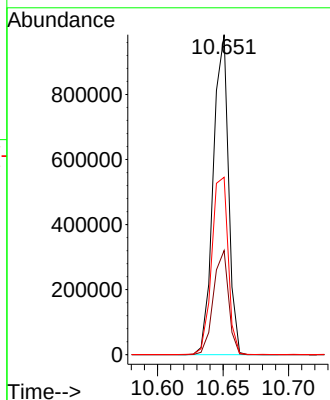
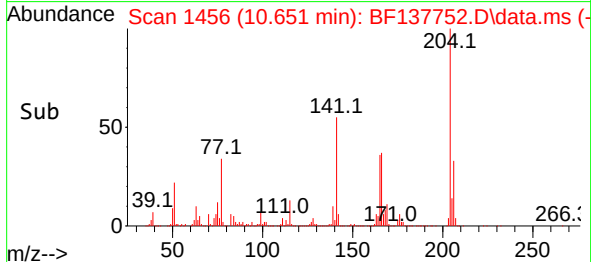
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



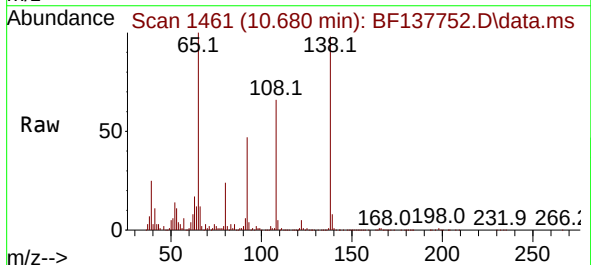
Tgt Ion:204 Resp: 79477
Ion Ratio Lower Upper
204 100
206 32.5 26.3 39.5
141 55.4 49.4 74.2

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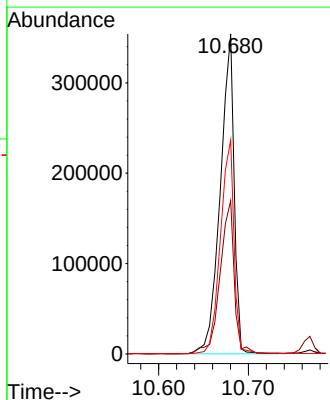
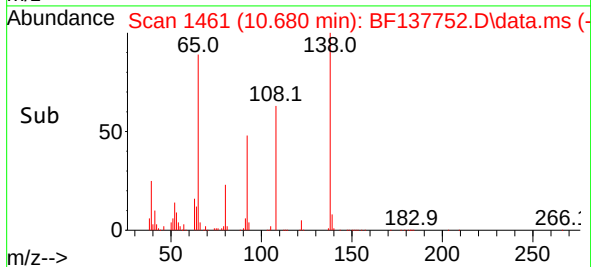
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

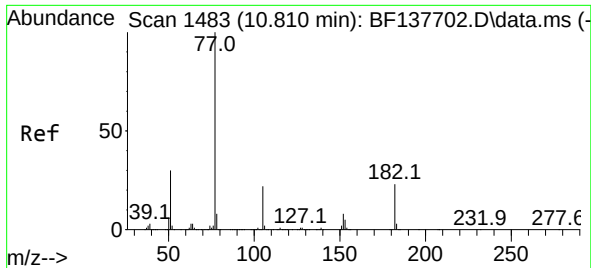


#62
4-Nitroaniline
Concen: 41.088 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23



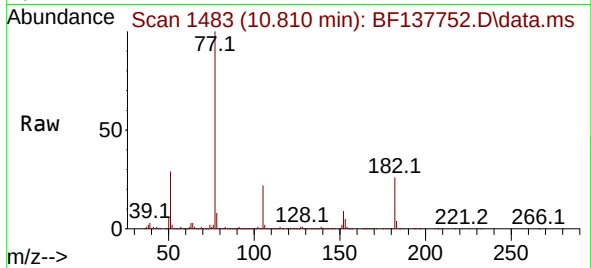
Tgt Ion:138 Resp: 379627
Ion Ratio Lower Upper
138 100
92 47.9 29.8 69.8
108 66.9 51.1 91.1





#63
Azobenzene
Concen: 39.784 ng
RT: 10.810 min Scan# 1483
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD

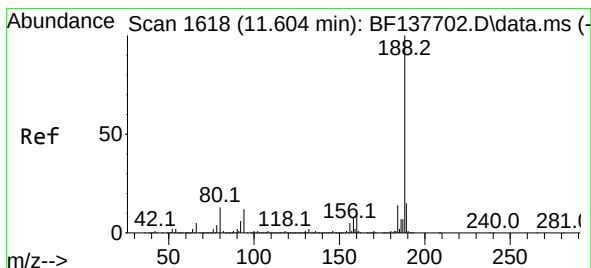
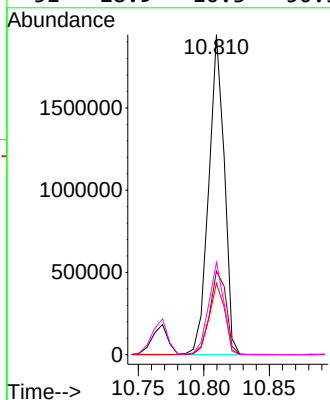
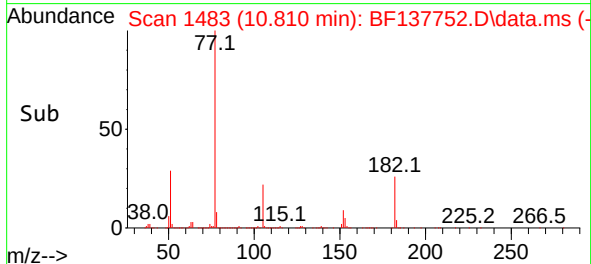


Tgt Ion: 77 Resp: 1606418

Ion	Ratio	Lower	Upper
77	100		
182	26.1	3.1	43.1
105	22.4	1.6	41.6
51	28.9	10.3	50.3

Manual Integrations
APPROVED

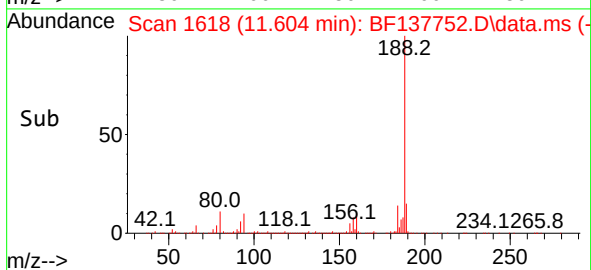
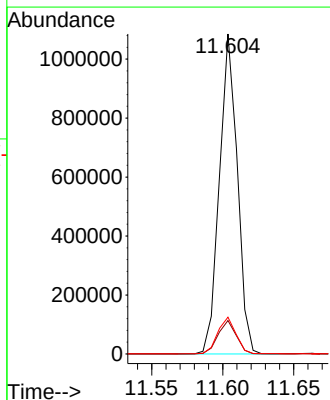
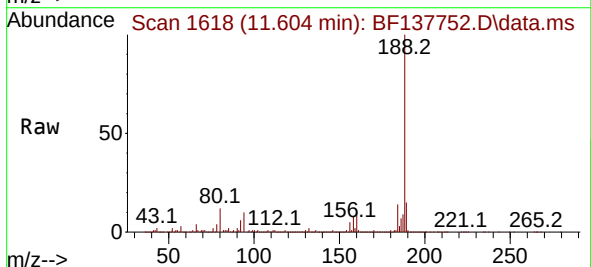
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

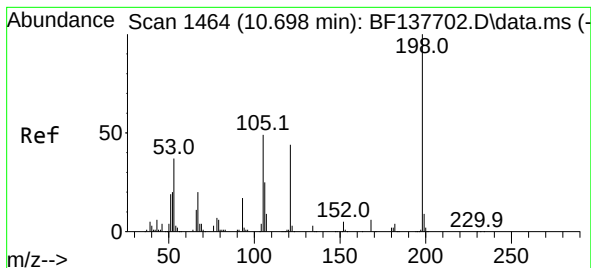


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.604 min Scan# 1618
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

Tgt Ion:188 Resp: 952167

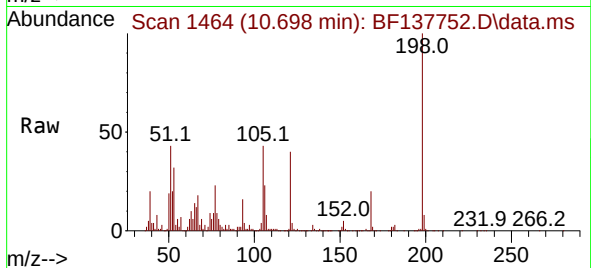
Ion	Ratio	Lower	Upper
188	100		
94	10.5	9.4	14.2
80	11.5	10.2	15.4





#65
4,6-Dinitro-2-methylphenol
Concen: 51.093 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

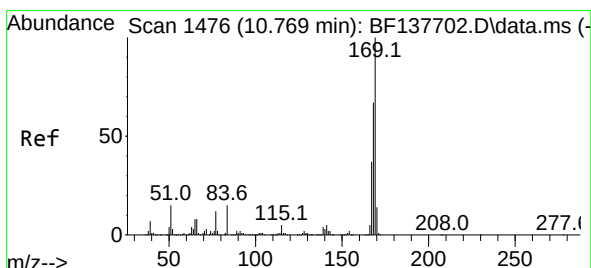
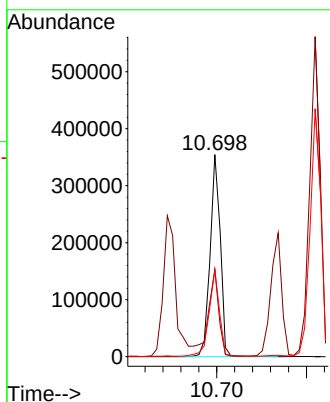
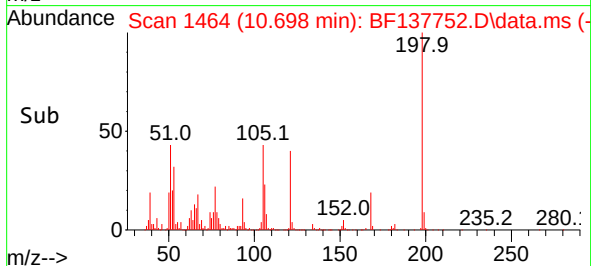
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



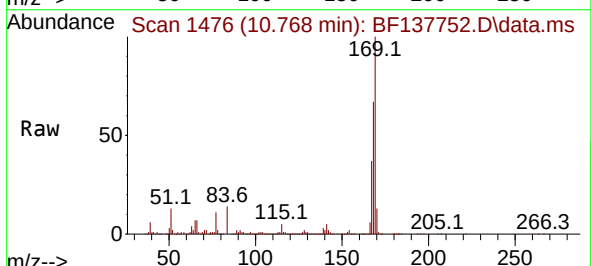
Tgt Ion:198 Resp: 278930
Ion Ratio Lower Upper
198 100
51 43.0 33.5 73.5
105 43.1 29.3 69.3

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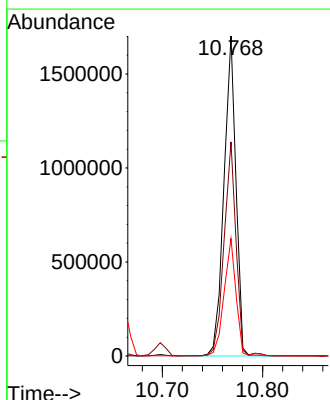
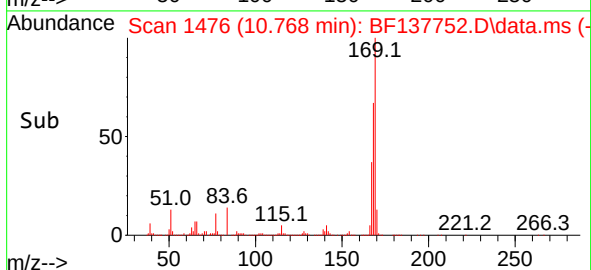
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

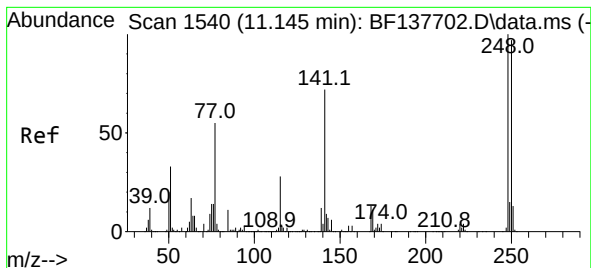


#66
n-Nitrosodiphenylamine
Concen: 43.665 ng
RT: 10.768 min Scan# 1476
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23



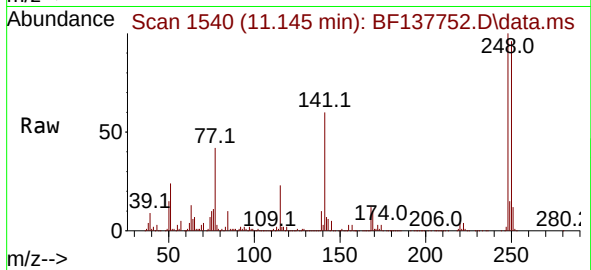
Tgt Ion:169 Resp: 1408160
Ion Ratio Lower Upper
169 100
168 66.9 53.4 80.2
167 36.7 29.6 44.4





#67
4-Bromophenyl-phenylether
Concen: 45.548 ng
RT: 11.145 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

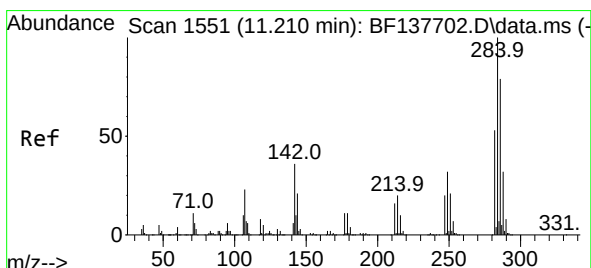
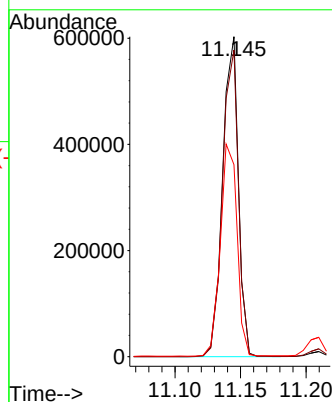
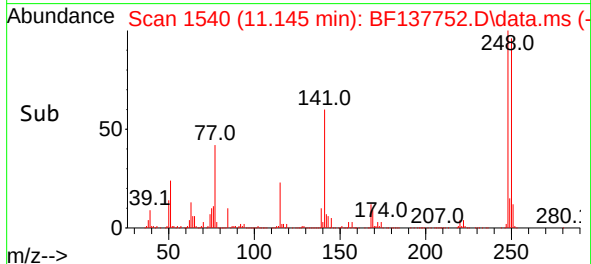
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



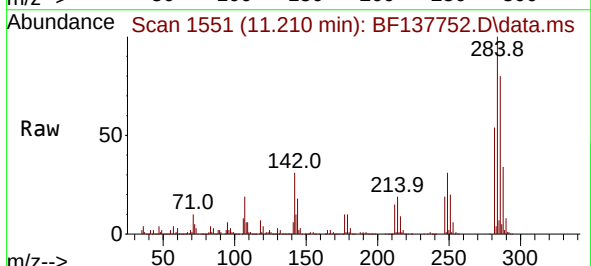
Tgt Ion:248 Resp: 502544
Ion Ratio Lower Upper
248 100
250 95.8 77.4 116.0
141 60.0 57.9 86.9

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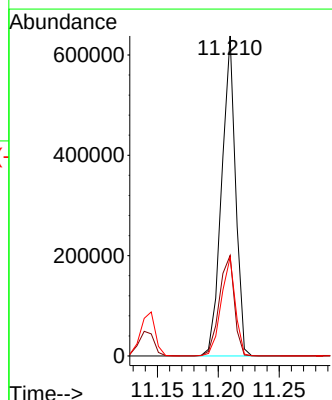
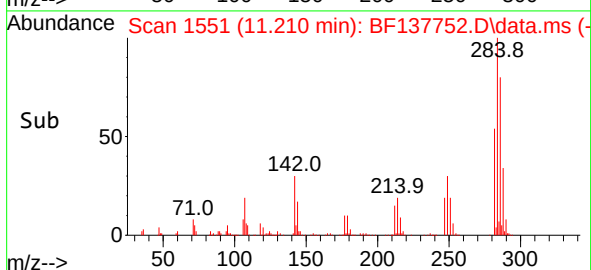
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

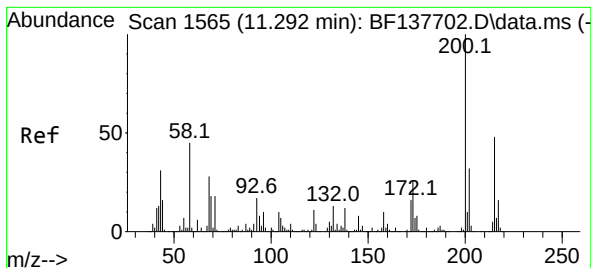


#68
Hexachlorobenzene
Concen: 47.220 ng
RT: 11.210 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23



Tgt Ion:284 Resp: 507555
Ion Ratio Lower Upper
284 100
142 31.4 28.5 42.7
249 30.8 25.6 38.4





#69

Atrazine

Concen: 53.921 ng

RT: 11.292 min Scan# 1565

Delta R.T. -0.000 min

Lab File: BF137752.D

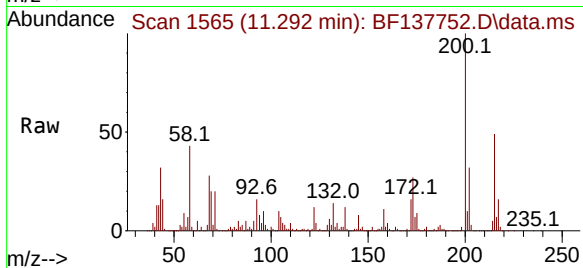
Acq: 29 Apr 2024 16:23

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MSD

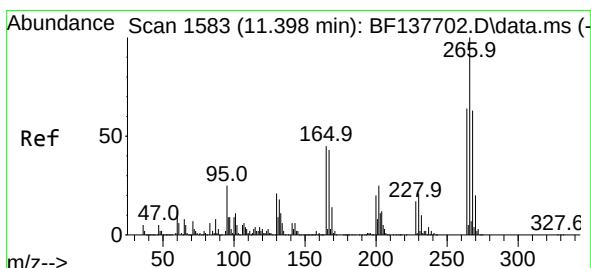
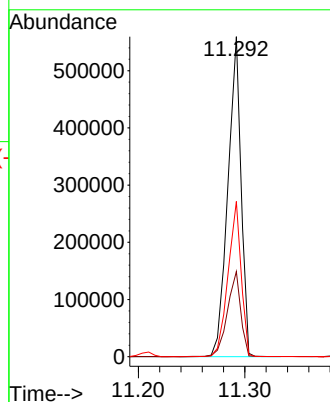
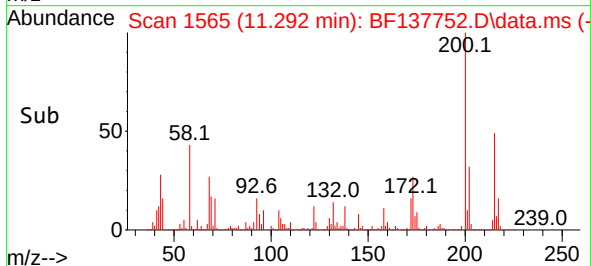


Tgt Ion:200	Resp: 48068
Ion Ratio	Lower Upper
200	100
173	26.6 6.3 46.3
215	48.5 28.0 68.0

Manual Integrations

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



#70

Pentachlorophenol

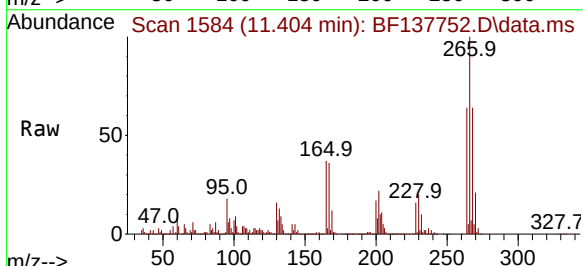
Concen: 78.191 ng

RT: 11.404 min Scan# 1584

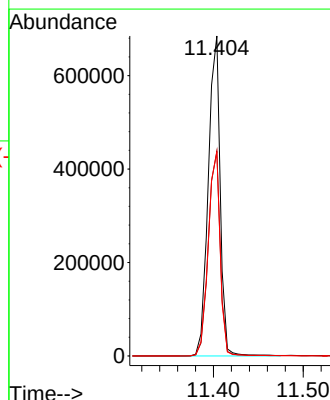
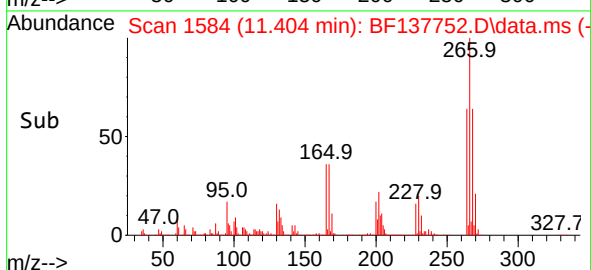
Delta R.T. 0.006 min

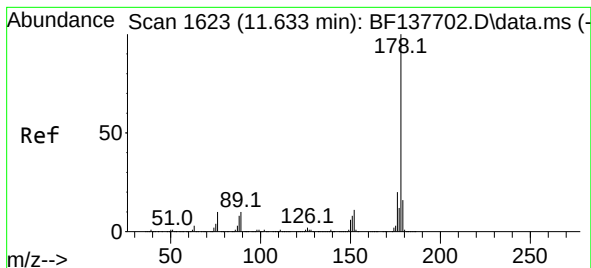
Lab File: BF137752.D

Acq: 29 Apr 2024 16:23



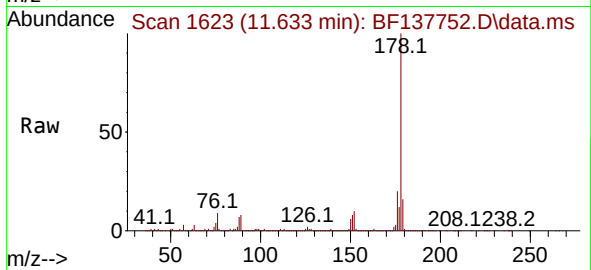
Tgt Ion:266	Resp: 632217
Ion Ratio	Lower Upper
266	100
268	64.0 50.4 75.6
264	63.7 51.4 77.0





#71
Phenanthrene
Concen: 42.352 ng
RT: 11.633 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

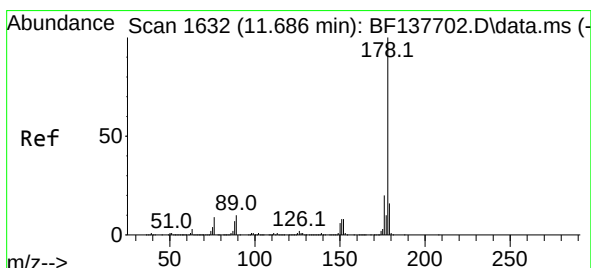
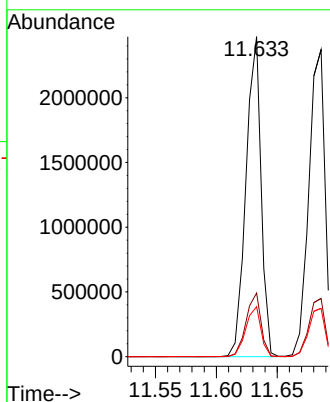
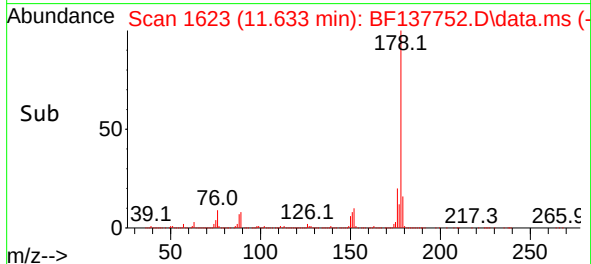
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



Tgt Ion:178 Resp: 2134698
Ion Ratio Lower Upper
178 100
176 19.9 16.4 24.6
179 15.6 12.8 19.2

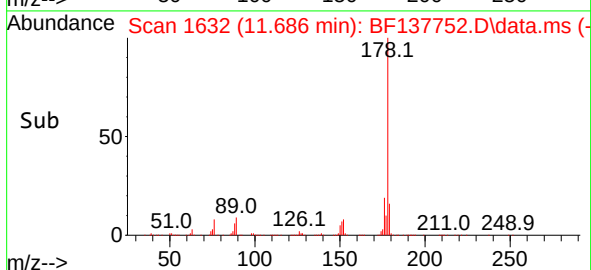
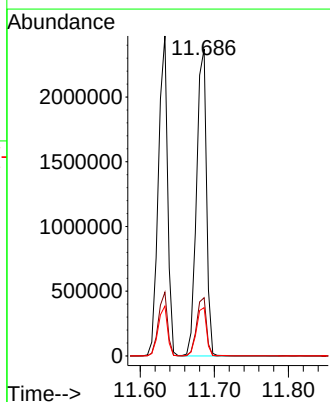
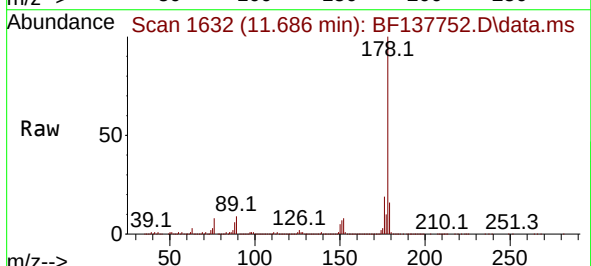
Manual Integrations
APPROVED

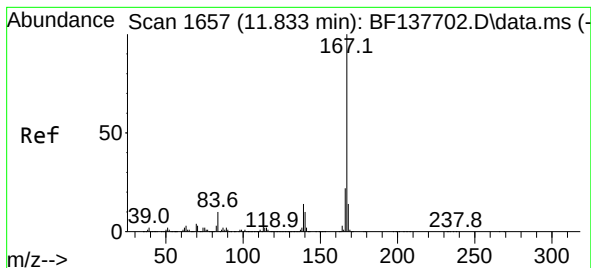
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#72
Anthracene
Concen: 42.643 ng
RT: 11.686 min Scan# 1632
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

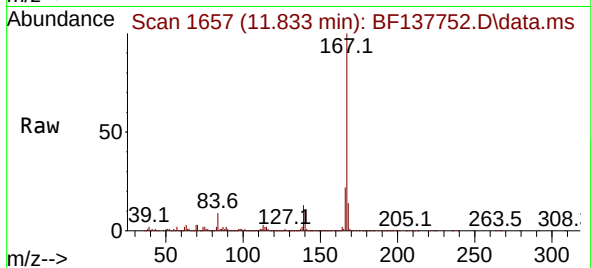
Tgt Ion:178 Resp: 2200909
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.7 13.0 19.6





#73
 Carbazole
 Concen: 40.785 ng
 RT: 11.833 min Scan# 1657
 Delta R.T. -0.000 min
 Lab File: BF137752.D
 Acq: 29 Apr 2024 16:23

Instrument :
 BNA_F
 ClientSampleId :
 EXCAV-SOIL-1MSD

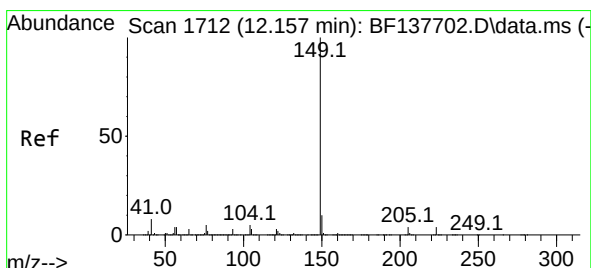
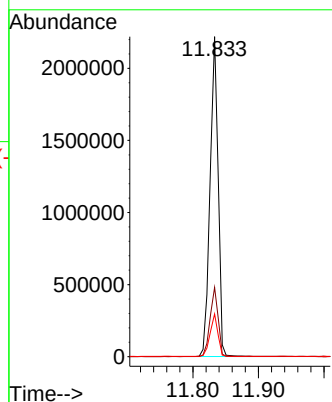
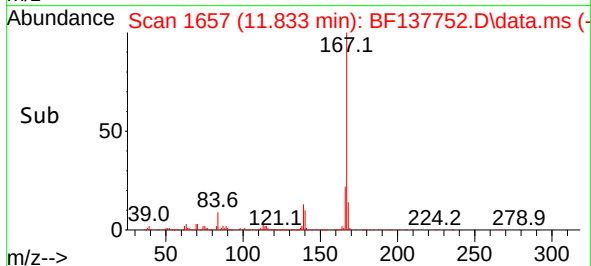


Tgt Ion:167 Resp: 1907710

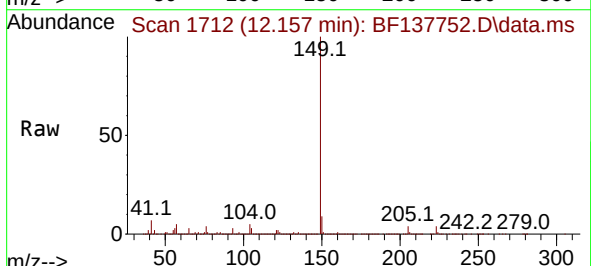
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.5	26.3
139	13.4	10.9	16.3

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

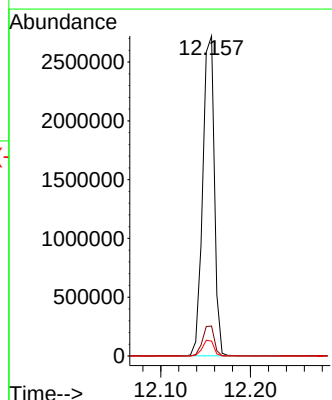
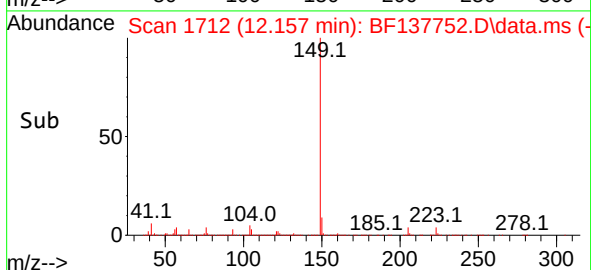


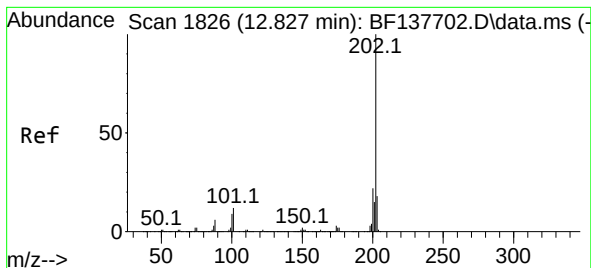
#74
 Di-n-butylphthalate
 Concen: 42.907 ng
 RT: 12.157 min Scan# 1712
 Delta R.T. -0.000 min
 Lab File: BF137752.D
 Acq: 29 Apr 2024 16:23



Tgt Ion:149 Resp: 2446518

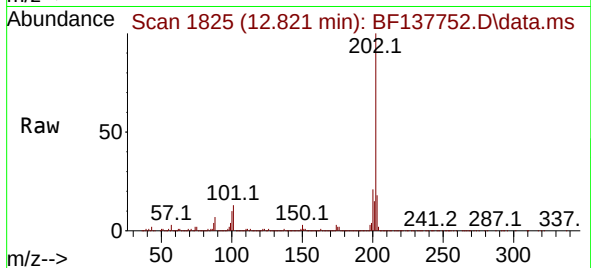
Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.8	11.6
104	4.7	4.2	6.4





#75
Fluoranthene
Concen: 38.312 ng
RT: 12.821 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

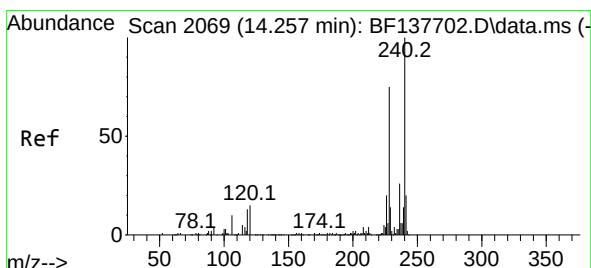
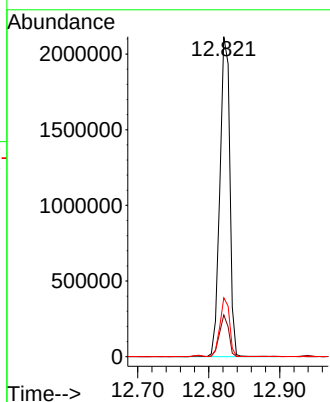
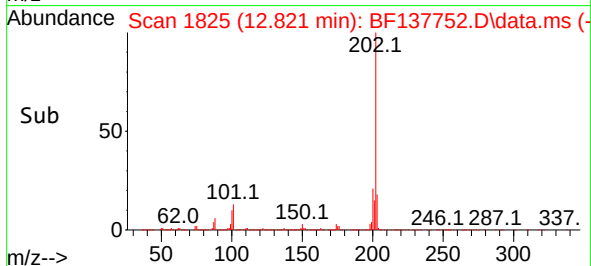
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



Tgt Ion:202 Resp: 202972
Ion Ratio Lower Upper
202 100
101 13.1 0.0 32.2
203 18.4 0.0 38.1

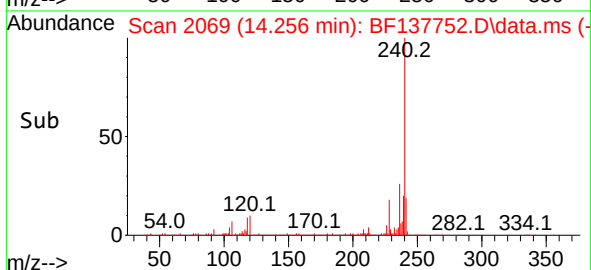
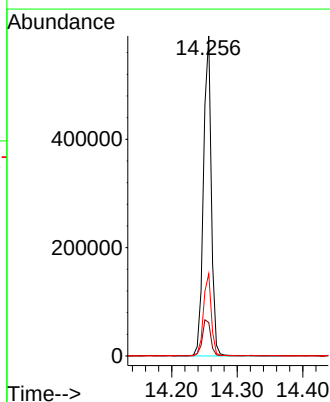
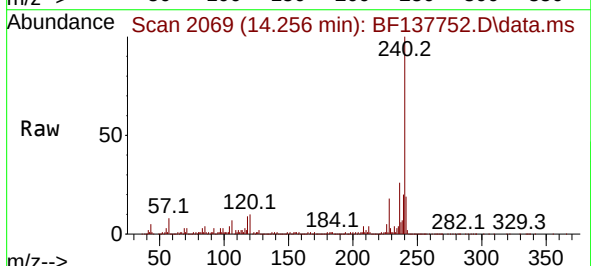
Manual Integrations
APPROVED

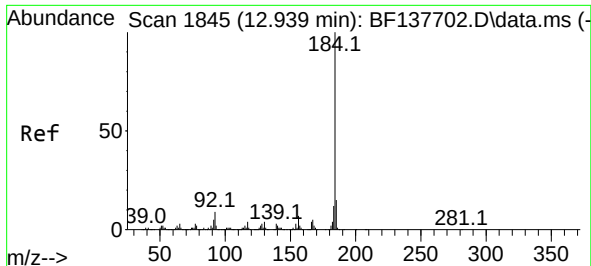
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.256 min Scan# 2069
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

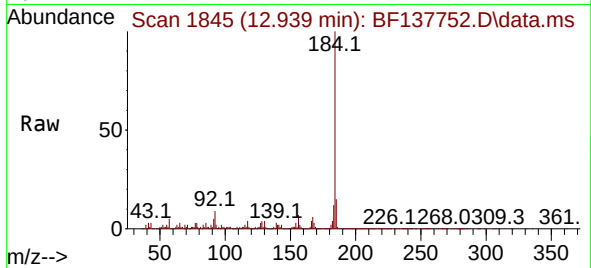
Tgt Ion:240 Resp: 493658
Ion Ratio Lower Upper
240 100
120 10.4 11.9 17.9#
236 25.7 20.8 31.2





#77
Benzidine
Concen: 86.279 ng
RT: 12.939 min Scan# 1845
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

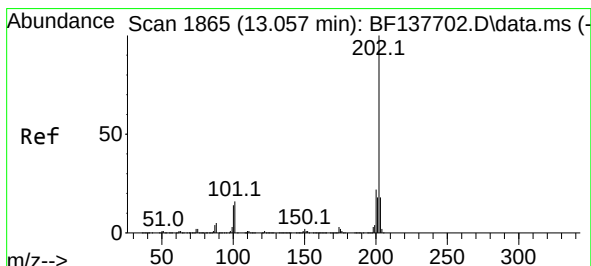
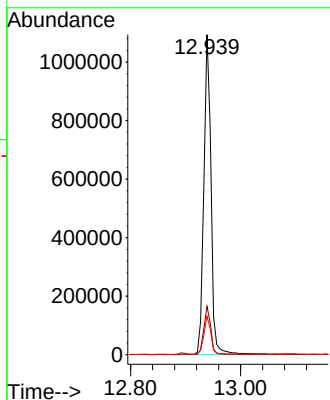
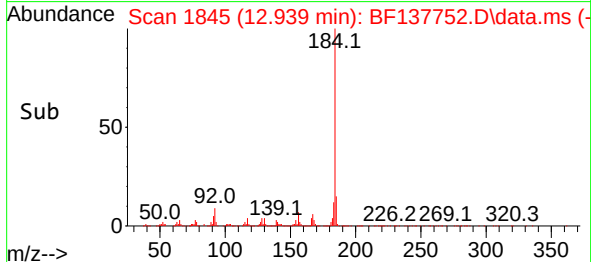
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



Tgt Ion:184 Resp: 994818
Ion Ratio Lower Upper
184 100
185 15.1 12.2 18.4
183 12.0 9.4 14.0

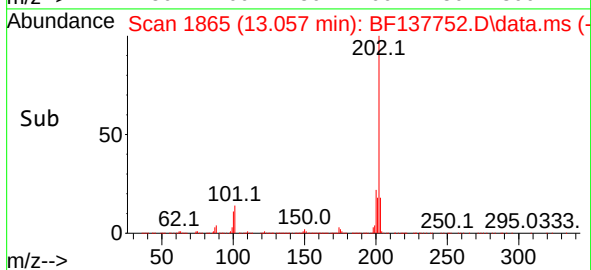
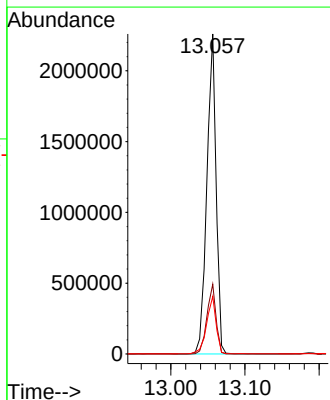
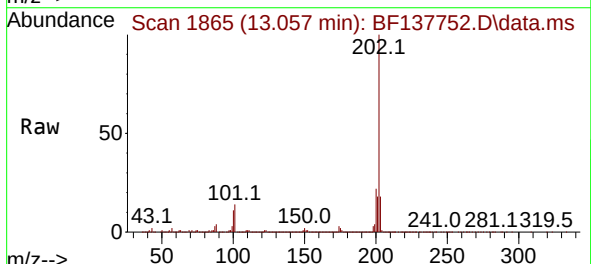
Manual Integrations
APPROVED

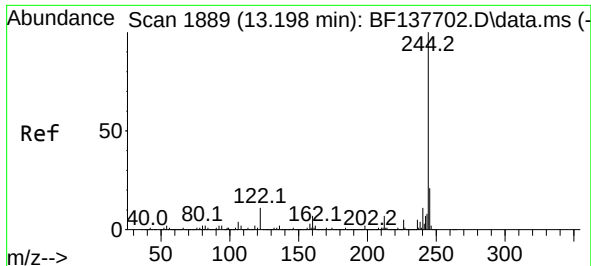
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#78
Pyrene
Concen: 48.381 ng
RT: 13.057 min Scan# 1865
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

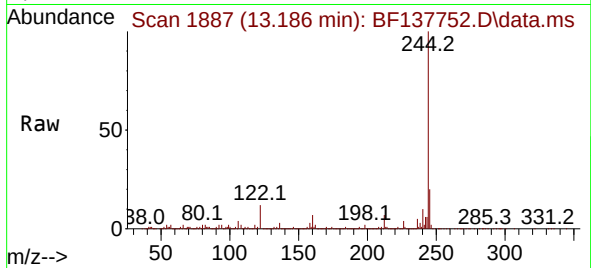
Tgt Ion:202 Resp: 1960352
Ion Ratio Lower Upper
202 100
200 21.8 17.8 26.6
203 18.0 14.6 21.8





#79
Terphenyl-d14
Concen: 65.595 ng
RT: 13.186 min Scan# 1889
Delta R.T. -0.012 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

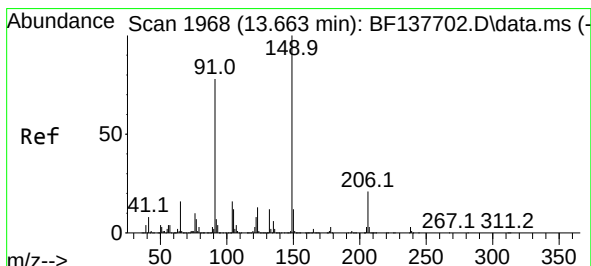
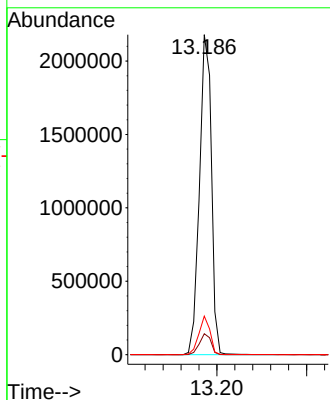
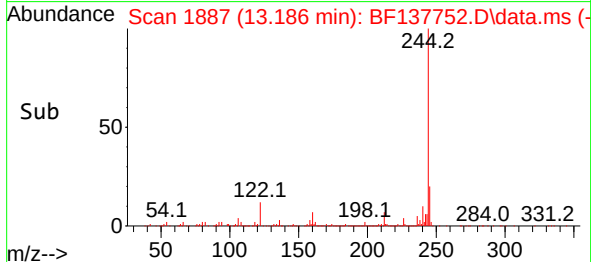
Instrument :
BNA_F
ClientSampleId :
EXCAV-SOIL-1MSD



Tgt Ion:244 Resp: 2011830
Ion Ratio Lower Upper
244 100
212 6.5 5.5 8.3
122 12.0 8.8 13.2

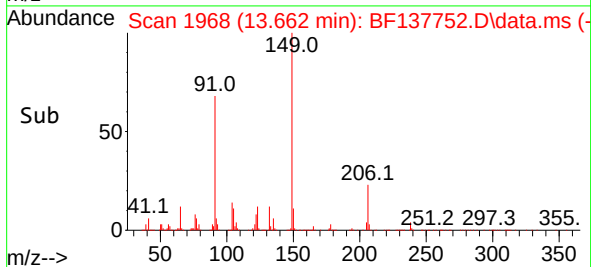
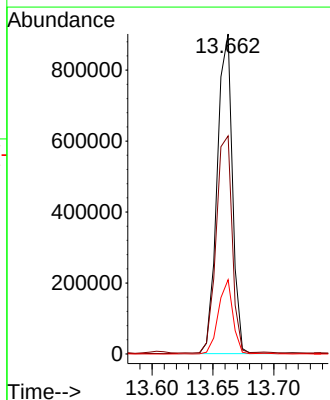
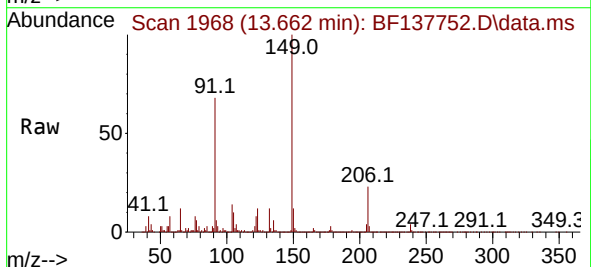
Manual Integrations
APPROVED

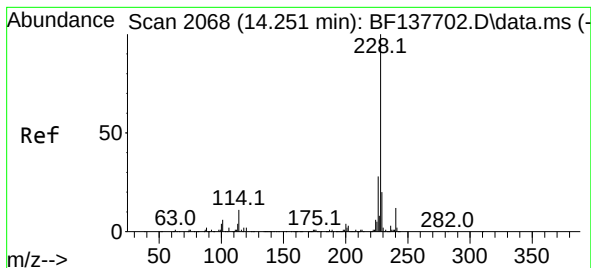
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#80
Butylbenzylphthalate
Concen: 54.682 ng
RT: 13.662 min Scan# 1968
Delta R.T. -0.000 min
Lab File: BF137752.D
Acq: 29 Apr 2024 16:23

Tgt Ion:149 Resp: 785731
Ion Ratio Lower Upper
149 100
91 68.1 62.6 93.8
206 23.2 16.5 24.7





#81

Benzo(a)anthracene

Concen: 44.445 ng

RT: 14.245 min Scan# 2067

Delta R.T. -0.006 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MSD

Tgt Ion:228 Resp: 153033

Ion Ratio Lower Upper

228 100

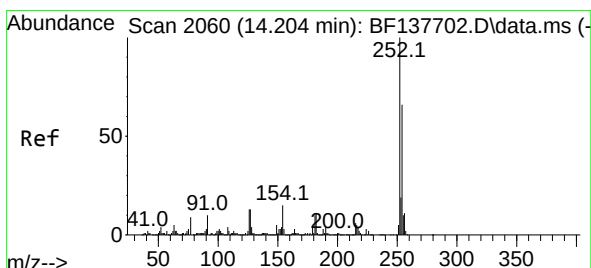
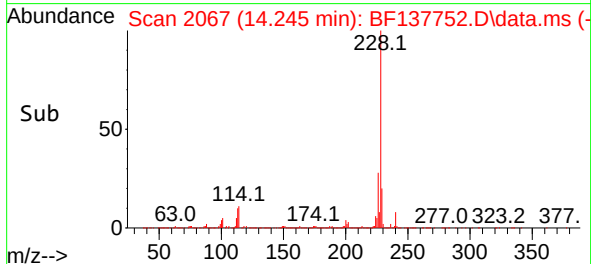
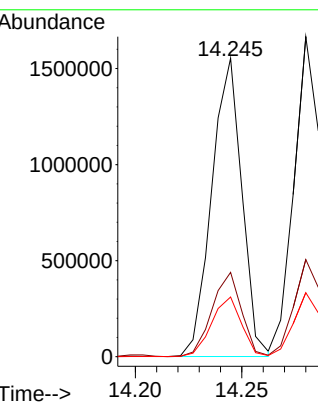
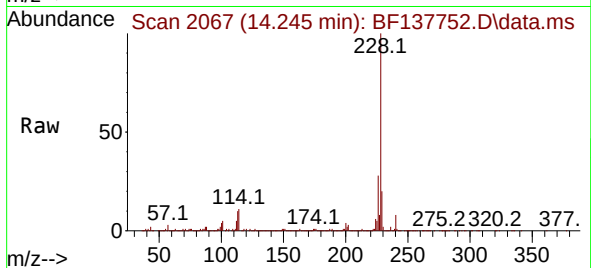
226 28.2 22.7 34.1

229 20.0 16.0 24.0

Manual Integrations

APPROVED

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



#82

3,3'-Dichlorobenzidine

Concen: 45.342 ng

RT: 14.204 min Scan# 2060

Delta R.T. -0.000 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

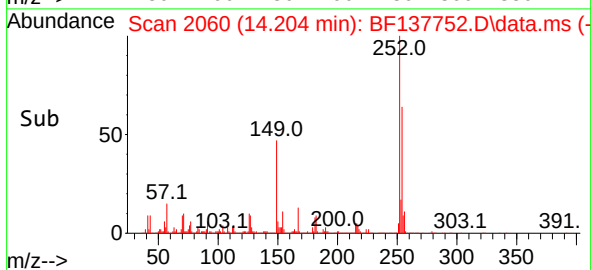
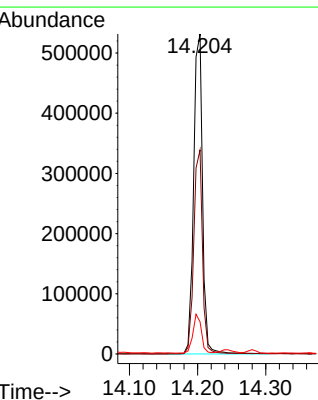
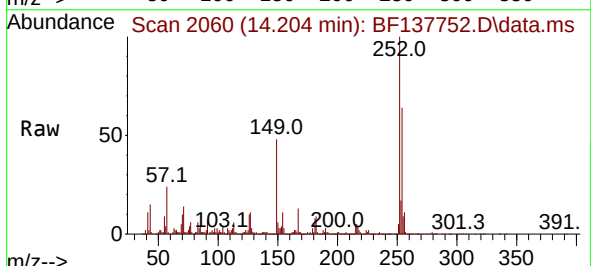
Tgt Ion:252 Resp: 483037

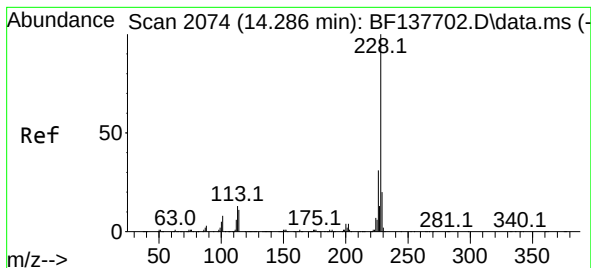
Ion Ratio Lower Upper

252 100

254 63.8 52.6 79.0

126 10.0 10.8 16.2#





#83

Chrysene

Concen: 44.586 ng

RT: 14.280 min Scan# 2074

Delta R.T. -0.006 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MSD

Tgt Ion:228 Resp: 143440

Ion Ratio Lower Upper

228 100

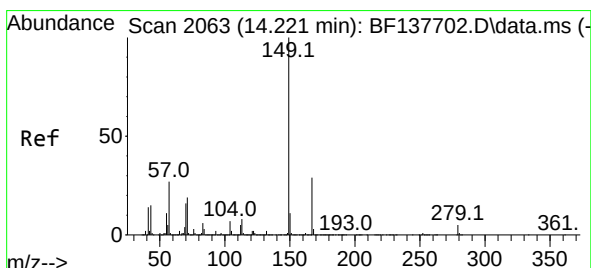
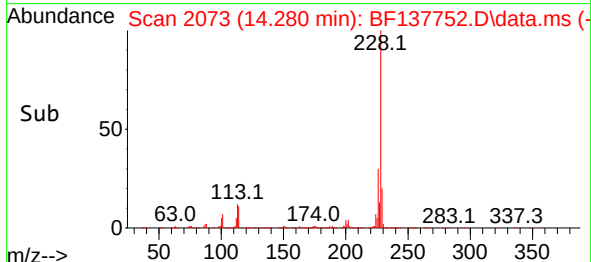
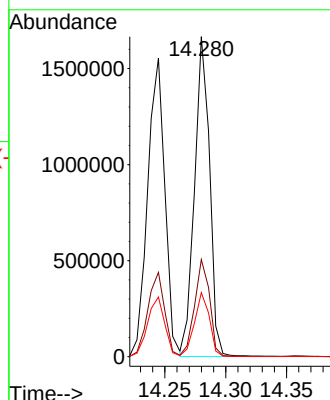
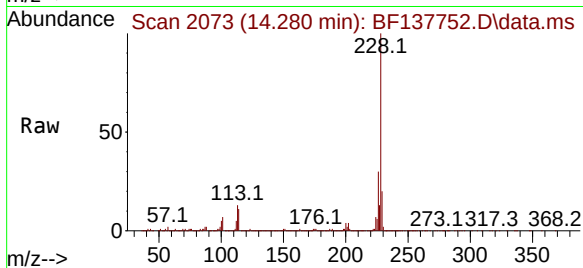
226 30.4 24.7 37.1

229 20.0 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: 48.934 ng

RT: 14.215 min Scan# 2062

Delta R.T. -0.006 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

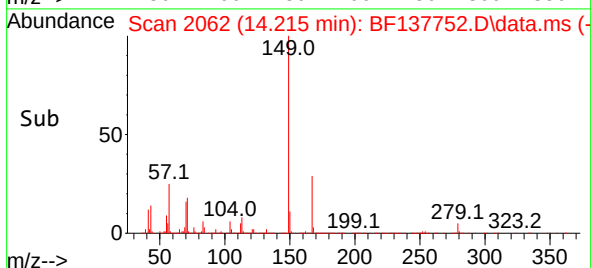
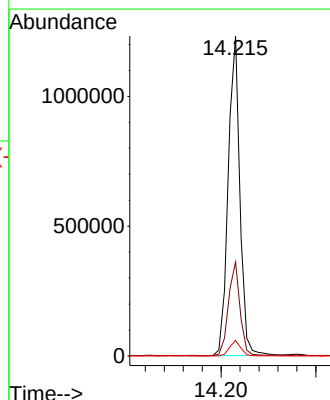
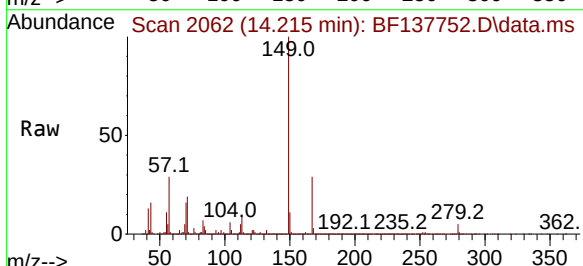
Tgt Ion:149 Resp: 1061875

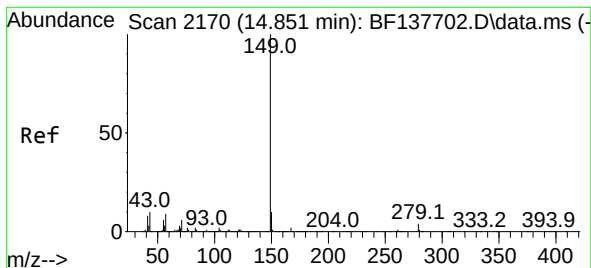
Ion Ratio Lower Upper

149 100

167 29.4 23.4 35.0

279 4.9 4.0 6.0





#85

Di-n-octyl phthalate

Concen: 50.120 ng

RT: 14.845 min Scan# 2169

Delta R.T. -0.006 min

Lab File: BF137752.D

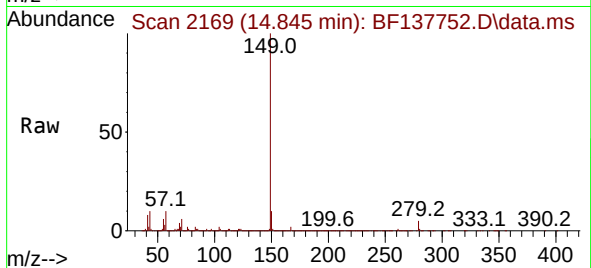
Acq: 29 Apr 2024 16:23

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MSD



Tgt Ion:149 Resp: 1633720

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

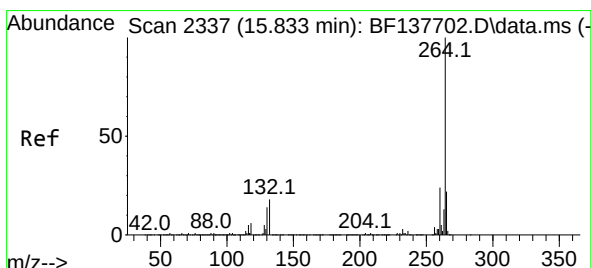
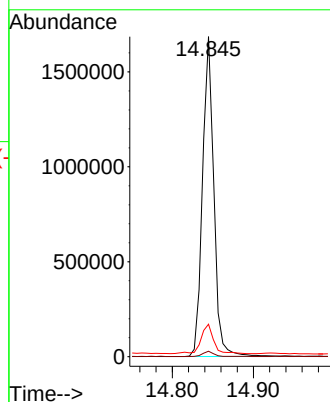
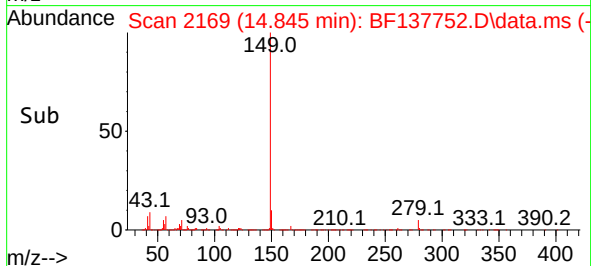
43 10.2 8.8 13.2

Manual Integrations

APPROVED

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: BF137752.D

Acq: 29 Apr 2024 16:23

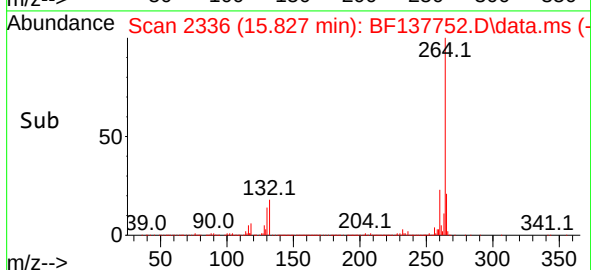
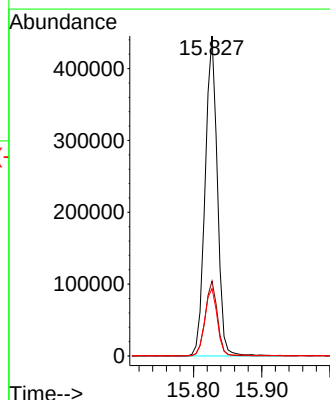
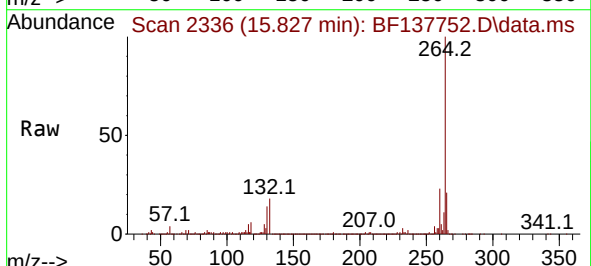
Tgt Ion:264 Resp: 554572

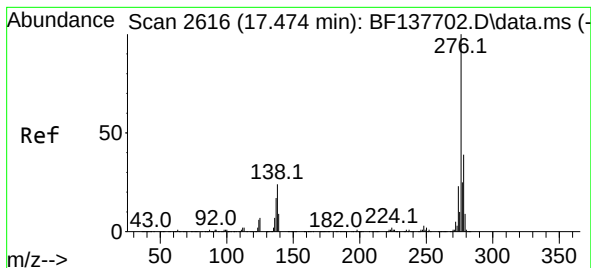
Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.2

265 21.1 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.209 ng

RT: 17.468 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MSD

Tgt Ion:276 Resp: 151317

Ion Ratio Lower Upper

276 100

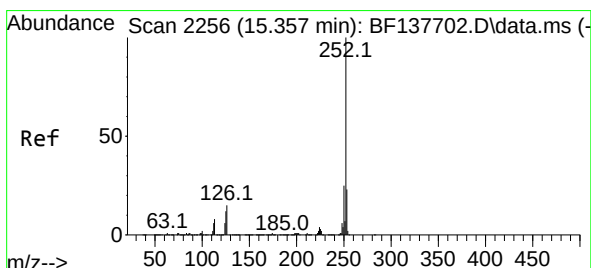
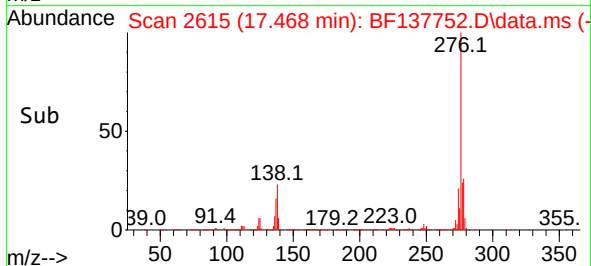
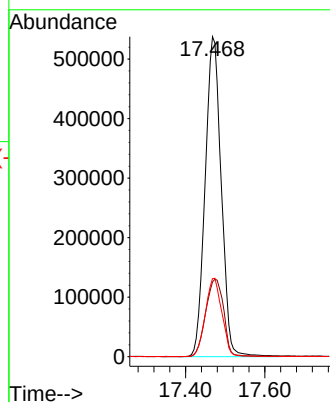
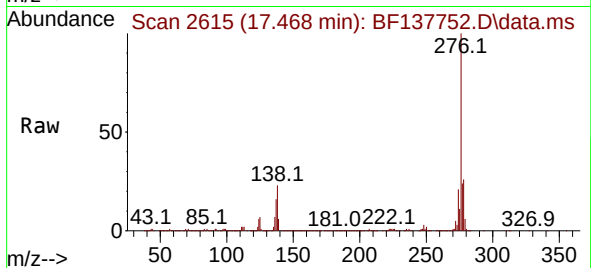
138 26.8 22.3 33.5

277 25.4 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: 42.302 ng

RT: 15.351 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

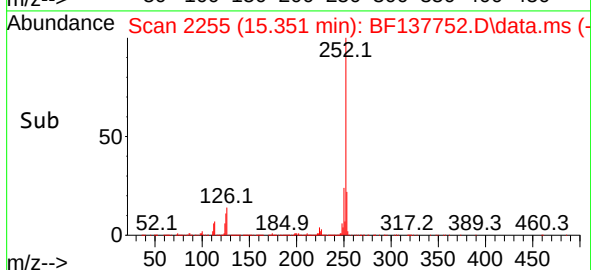
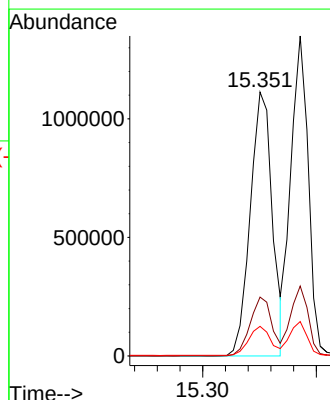
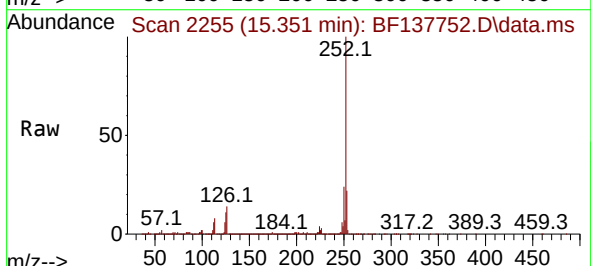
Tgt Ion:252 Resp: 1501196

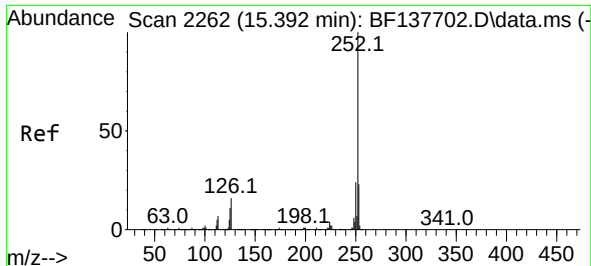
Ion Ratio Lower Upper

252 100

253 22.3 18.1 27.1

125 11.2 9.2 13.8





#89

Benzo(k)fluoranthene

Concen: 41.424 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MSD

Tgt Ion:252 Resp: 1445050

Ion Ratio Lower Upper

252 100

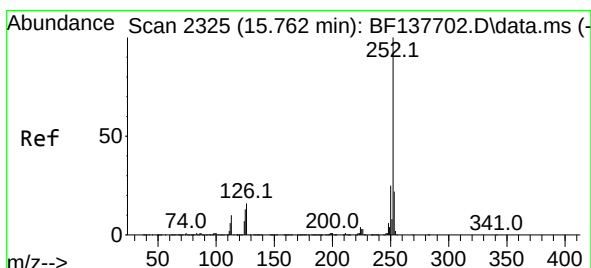
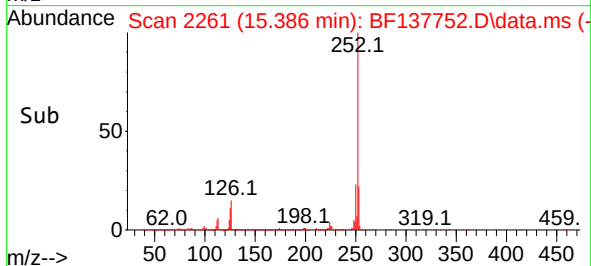
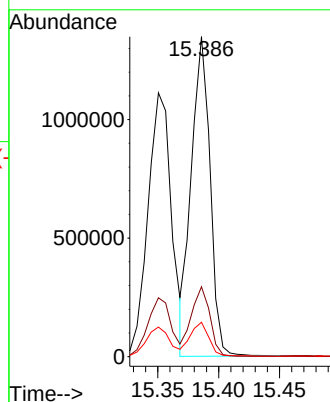
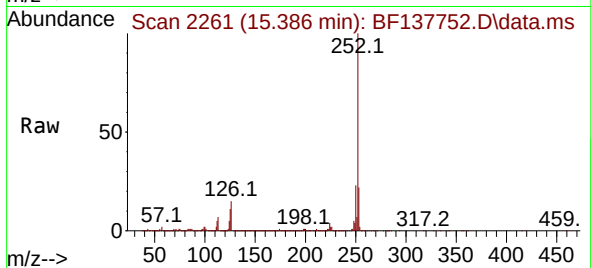
253 21.9 18.0 27.0

125 10.7 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: 43.350 ng

RT: 15.762 min Scan# 2325

Delta R.T. -0.000 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

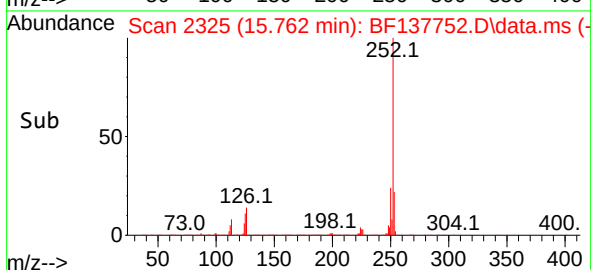
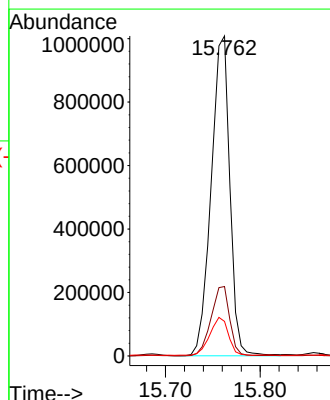
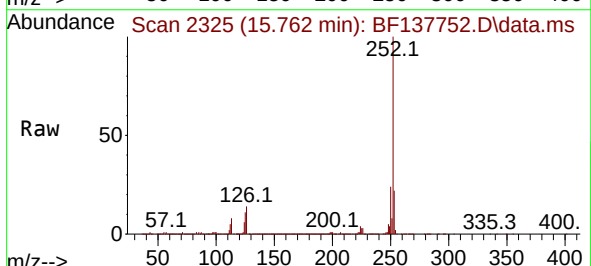
Tgt Ion:252 Resp: 1380041

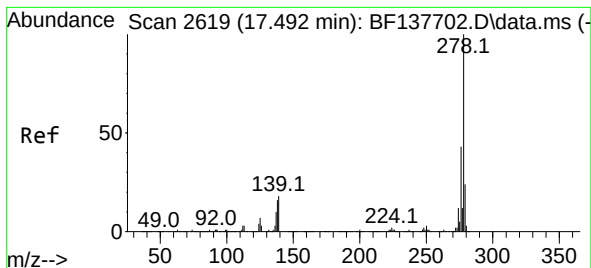
Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

125 10.8 10.2 15.2





#91

Dibenzo(a,h)anthracene

Concen: 48.390 ng

RT: 17.492 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

Instrument :

BNA_F

ClientSampleId :

EXCAV-SOIL-1MSD

Tgt Ion:278 Resp: 123480

Ion Ratio Lower Upper

278 100

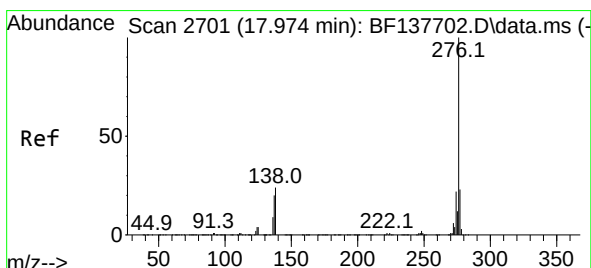
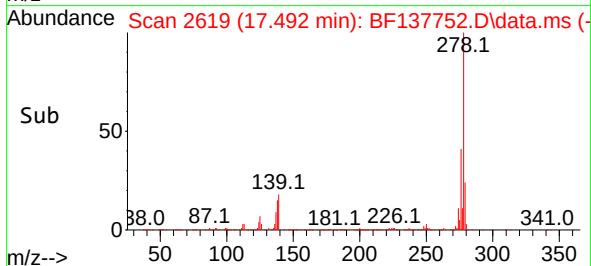
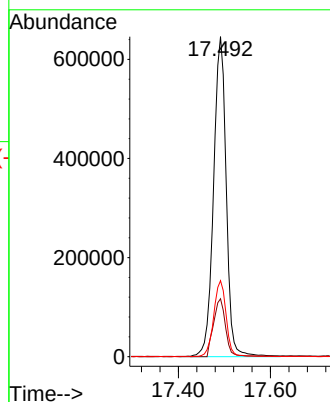
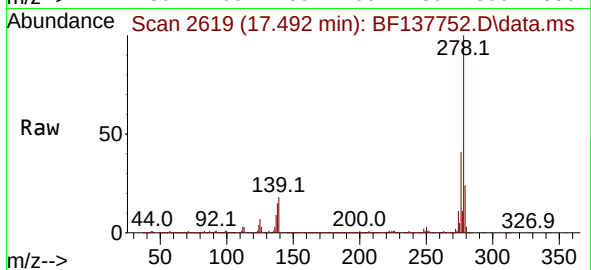
139 18.1 14.7 22.1

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: 43.895 ng

RT: 17.968 min Scan# 2700

Delta R.T. -0.006 min

Lab File: BF137752.D

Acq: 29 Apr 2024 16:23

Tgt Ion:276 Resp: 1089177

Ion Ratio Lower Upper

276 100

277 23.8 18.5 27.7

138 23.7 19.5 29.3

