

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072524\
 Data File : BF138664.D
 Acq On : 25 Jul 2024 20:53
 Operator : RC/JU
 Sample : P3352-01MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
 Supervised By :mohammad ahmed 07/27/2024

Quant Time: Jul 26 01:14:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	77954	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	277788	20.000	ng	-0.01
39) Acenaphthene-d10	9.892	164	116904	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	175836	20.000	ng	-0.01
76) Chrysene-d12	14.015	240	133184	20.000	ng	-0.01
86) Perylene-d12	15.474	264	100056	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	617407	125.436	ng	0.00
7) Phenol-d6	6.498	99	808951	123.545	ng	0.00
23) Nitrobenzene-d5	7.422	82	512985	90.668	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	125991	115.315	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	751231	100.433	ng	-0.02
79) Terphenyl-d14	12.957	244	683739	83.636	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	84141	38.598	ng	96
3) Pyridine	3.440	79	228861	42.571	ng	95
4) n-Nitrosodimethylamine	3.387	42	169037	48.301	ng	88
6) Aniline	6.522	93	259494	42.311	ng	# 52
8) 2-Chlorophenol	6.645	128	265378	50.989	ng	99
9) Benzaldehyde	6.404	77	19188	5.475	ng	94
10) Phenol	6.516	94	346825	49.902	ng	79
11) bis(2-Chloroethyl)ether	6.592	93	272505	52.076	ng	98
12) 1,3-Dichlorobenzene	6.798	146	275125	47.028	ng	99
13) 1,4-Dichlorobenzene	6.875	146	275276	46.337	ng	99
14) 1,2-Dichlorobenzene	7.028	146	266579	48.179	ng	99
15) Benzyl Alcohol	7.004	79	251599	51.201	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.128	45	464485	45.138	ng	75
17) 2-Methylphenol	7.116	107	206502	48.412	ng	# 92
18) Hexachloroethane	7.363	117	101687	46.560	ng	94
19) n-Nitroso-di-n-propyla...	7.275	70	200176	49.476	ng	93
20) 3+4-Methylphenols	7.269	107	258527	48.131	ng	92
22) Acetophenone	7.269	105	340612	50.486	ng	98
24) Nitrobenzene	7.439	77	295674	51.425	ng	98
25) Isophorone	7.681	82	521440	53.667	ng	98
26) 2-Nitrophenol	7.757	139	133680	54.247	ng	97
27) 2,4-Dimethylphenol	7.792	122	173308	57.221	ng	99
28) bis(2-Chloroethoxy)met...	7.886	93	319869	55.085	ng	99
29) 2,4-Dichlorophenol	7.998	162	189225	48.111	ng	98
30) 1,2,4-Trichlorobenzene	8.081	180	216352	47.219	ng	99
31) Naphthalene	8.163	128	726751	50.304	ng	100
32) Benzoic acid	7.916	122	81022	28.047	ng	93
33) 4-Chloroaniline	8.210	127	142823	28.175	ng	98
34) Hexachlorobutadiene	8.269	225	131420	46.579	ng	99
35) Caprolactam	8.575	113	52632	41.470	ng	93
36) 4-Chloro-3-methylphenol	8.698	107	196365	44.596	ng	99
37) 2-Methylnaphthalene	8.851	142	432621	46.532	ng	100
38) 1-Methylnaphthalene	8.951	142	393081	43.321	ng	100
40) 1,2,4,5-Tetrachloroben...	9.016	216	173194	53.157	ng	99
41) Hexachlorocyclopentadiene	8.998	237	57303	54.185	ng	99
43) 2,4,6-Trichlorophenol	9.128	196	110101	52.976	ng	98

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	106979	46.799	ng	96
46) 1,1'-Biphenyl	9.310	154	479752	54.151	ng	99
47) 2-Chloronaphthalene	9.339	162	358282	53.531	ng	99
48) 2-Nitroaniline	9.433	65	128758	55.515	ng	94
49) Acenaphthylene	9.751	152	536523	56.462	ng	99
50) Dimethylphthalate	9.610	163	438540	58.014	ng	100
51) 2,6-Dinitrotoluene	9.675	165	89566	51.460	ng	87
52) Acenaphthene	9.922	154	330203m	52.276	ng	
53) 3-Nitroaniline	9.845	138	74479	41.751	ng	91
54) 2,4-Dinitrophenol	9.957	184	29630	34.537	ng	91
55) Dibenzofuran	10.098	168	464554	50.705	ng	99
56) 4-Nitrophenol	10.016	139	114216	86.773	ng	99
57) 2,4-Dinitrotoluene	10.080	165	109688	48.708	ng	99
58) Fluorene	10.439	166	353524	48.766	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.216	232	79970	44.328	ng	99
60) Diethylphthalate	10.310	149	386505	53.038	ng	100
61) 4-Chlorophenyl-phenyle...	10.427	204	173400	47.635	ng	93
62) 4-Nitroaniline	10.457	138	78154	43.720	ng	98
63) Azobenzene	10.586	77	387684	49.481	ng	98
65) 4,6-Dinitro-2-methylph...	10.492	198	26996	26.589	ng	89
66) n-Nitrosodiphenylamine	10.545	169	298365	56.635	ng	97
67) 4-Bromophenyl-phenylether	10.916	248	94594	52.341	ng	98
68) Hexachlorobenzene	10.986	284	104616	52.107	ng	93
69) Atrazine	11.074	200	87932	50.344	ng	98
70) Pentachlorophenol	11.180	266	110681	93.163	ng	98
71) Phenanthrene	11.398	178	545725	61.432	ng	100
72) Anthracene	11.451	178	508185	57.629	ng	100
73) Carbazole	11.610	167	453434	57.218	ng	99
74) Di-n-butylphthalate	11.933	149	535231	58.594	ng	99
75) Fluoranthene	12.586	202	650661	71.781	ng	98
77) Benzidine	12.710	184	216053	64.297	ng	99
78) Pyrene	12.816	202	649693	48.054	ng	99
80) Butylbenzylphthalate	13.427	149	254382	62.547	ng	96
81) Benzo(a)anthracene	14.004	228	529805	59.284	ng	99
82) 3,3'-Dichlorobenzidine	13.968	252	142191	61.748	ng	98
83) Chrysene	14.039	228	480298	56.812	ng	100
84) Bis(2-ethylhexyl)phtha...	13.986	149	352110	81.176	ng	98
85) Di-n-octyl phthalate	14.598	149	555260	81.033	ng	99
87) Indeno(1,2,3-cd)pyrene	16.951	276	333877	49.678	ng	100
88) Benzo(b)fluoranthene	15.051	252	367129	65.153	ng	99
89) Benzo(k)fluoranthene	15.080	252	345343m	62.840	ng	
90) Benzo(a)pyrene	15.415	252	304351	61.485	ng	99
91) Dibenzo(a,h)anthracene	16.962	278	258791	47.073	ng	100
92) Benzo(g,h,i)perylene	17.392	276	262533	45.034	ng	97

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



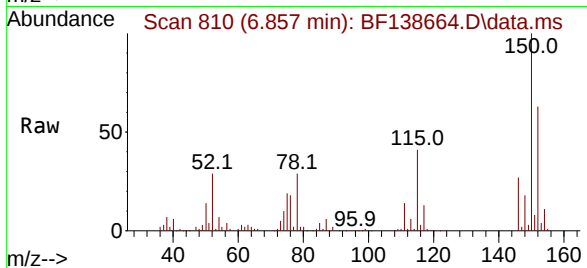
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF138664.D
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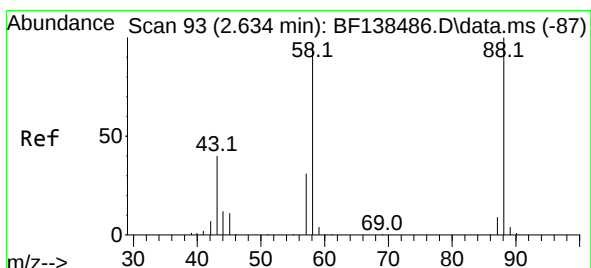
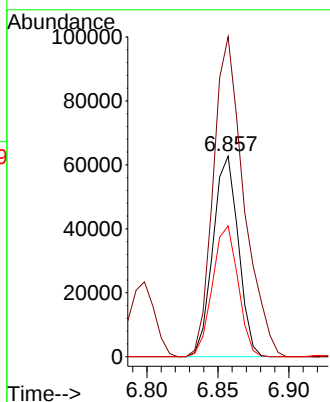
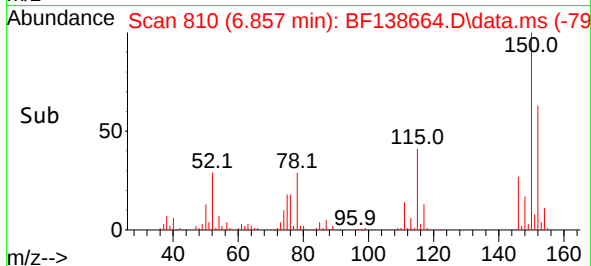


Tgt Ion:152 Resp: 77954
Ion Ratio Lower Upper
152 100
150 159.6 126.2 189.4
115 65.2 50.3 75.5

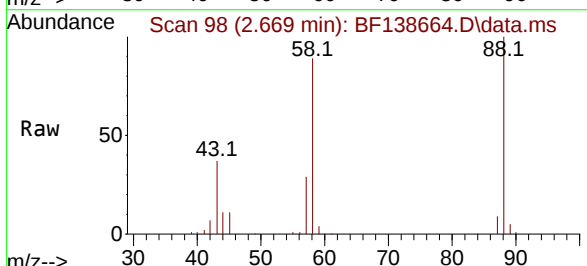
Manual Integrations

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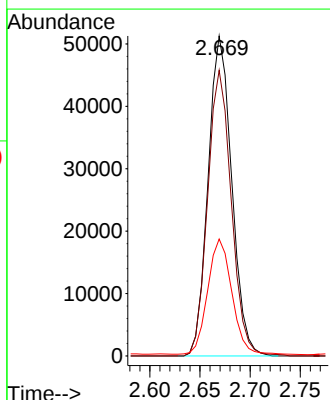
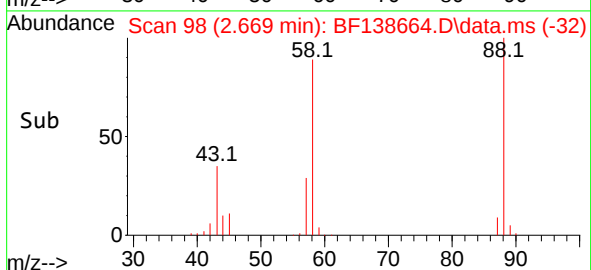
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024

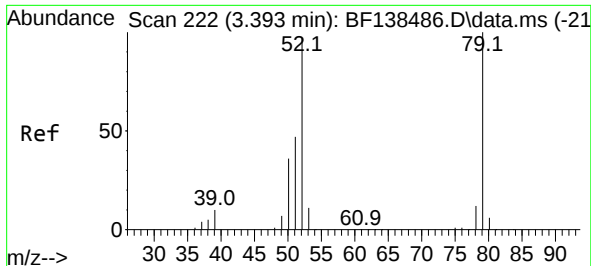


#2
1,4-Dioxane
Concen: 38.598 ng
RT: 2.669 min Scan# 98
Delta R.T. 0.035 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53



Tgt Ion: 88 Resp: 84141
Ion Ratio Lower Upper
88 100
58 89.4 74.6 112.0
43 37.1 31.8 47.6





#3

Pyridine

Concen: 42.571 ng

RT: 3.440 min Scan# 21

Delta R.T. 0.047 min

Lab File: BF138664.D

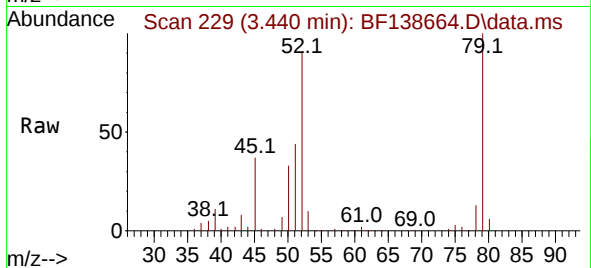
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

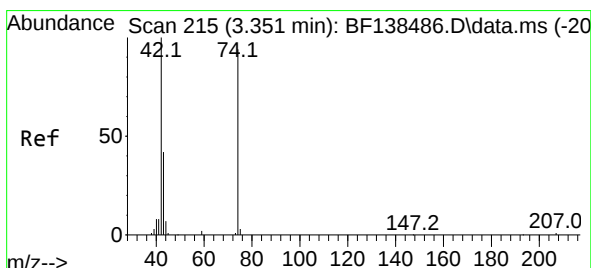
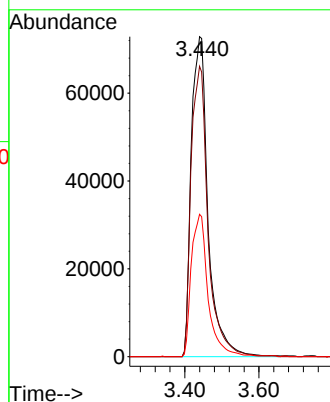
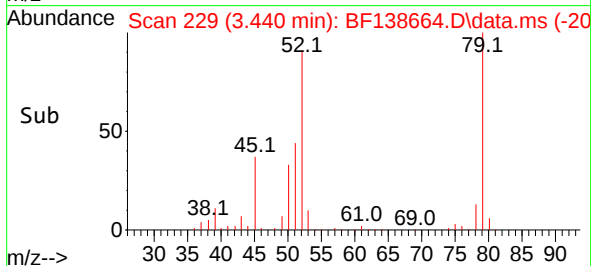


Tgt Ion:	79	Resp:	22886
Ion	Ratio	Lower	Upper
79	100		
52	90.7	77.4	116.2
51	44.5	37.4	56.0

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 48.301 ng

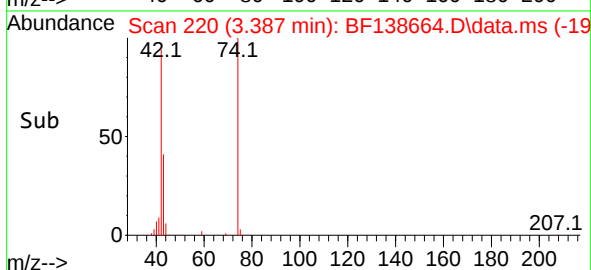
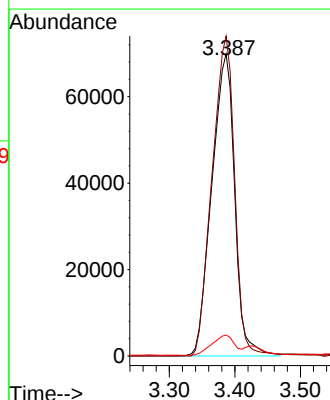
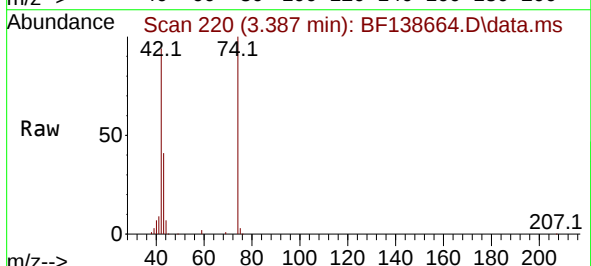
RT: 3.387 min Scan# 220

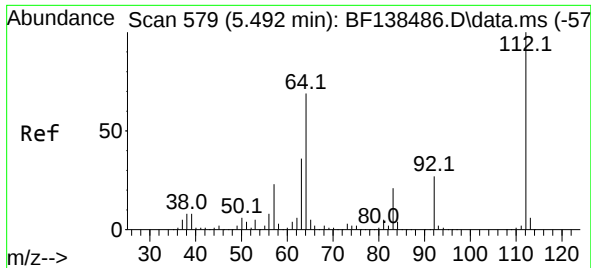
Delta R.T. 0.035 min

Lab File: BF138664.D

Acq: 25 Jul 2024 20:53

Tgt Ion:	42	Resp:	169037
Ion	Ratio	Lower	Upper
42	100		
74	105.9	75.0	112.6
44	7.0	5.4	8.2





#5
2-Fluorophenol
Concen: 125.436 ng
RT: 5.487 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

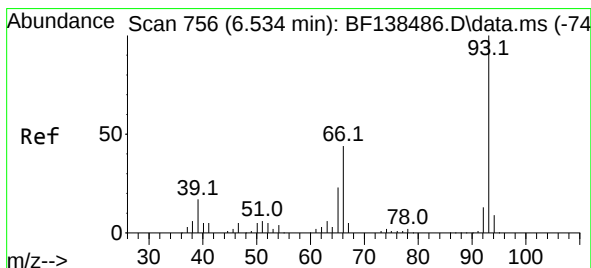
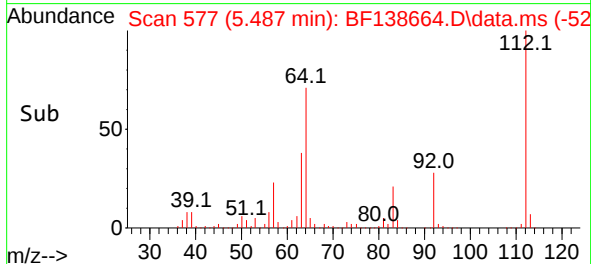
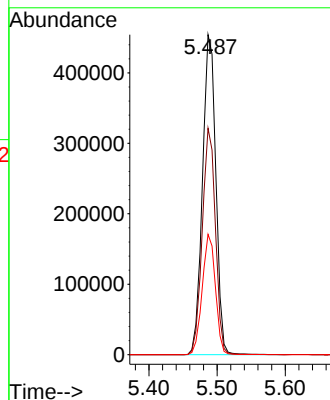
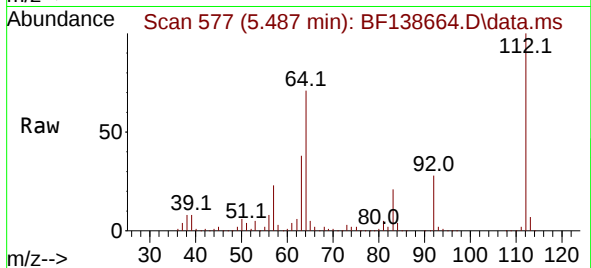
SOIL-COMPMSD

Tgt Ion:112 Resp: 61740
Ion Ratio Lower Upper
112 100
64 70.7 55.1 82.7
63 37.6 29.0 43.6

Manual Integrations

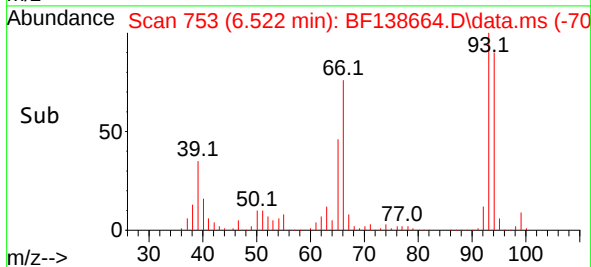
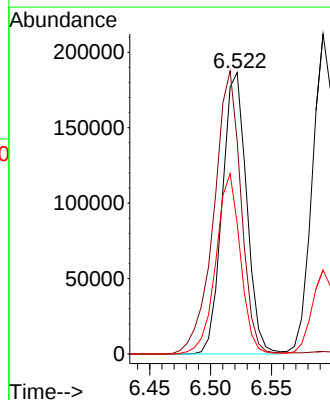
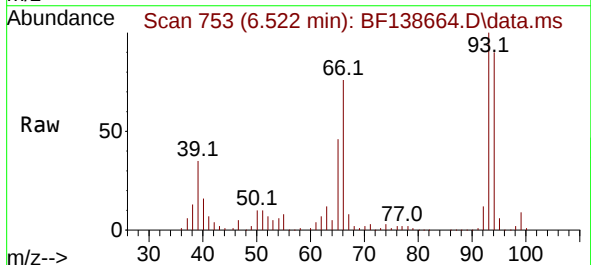
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#6
Aniline
Concen: 42.311 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

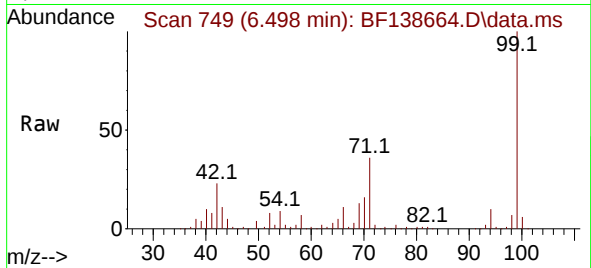
Tgt Ion: 93 Resp: 259494
Ion Ratio Lower Upper
93 100
66 75.8 35.4 53.0#
65 46.4 18.6 27.8#





#7
Phenol-d6
Concen: 123.545 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

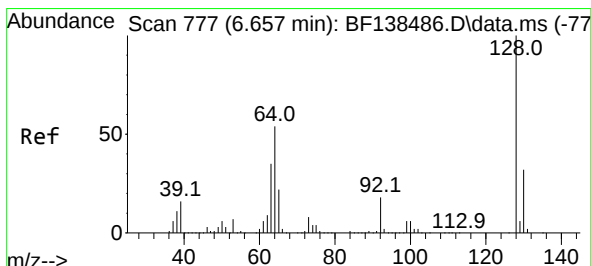
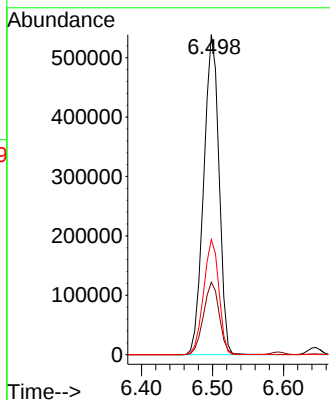
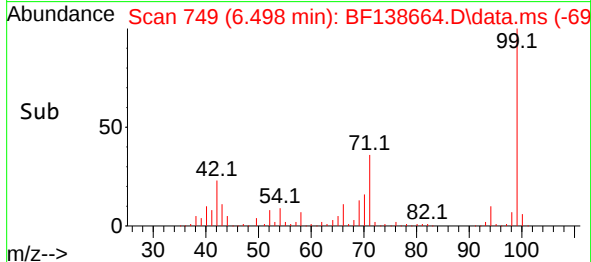
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 80895
Ion Ratio Lower Upper
99 100
42 22.6 19.7 29.5
71 35.9 29.9 44.9

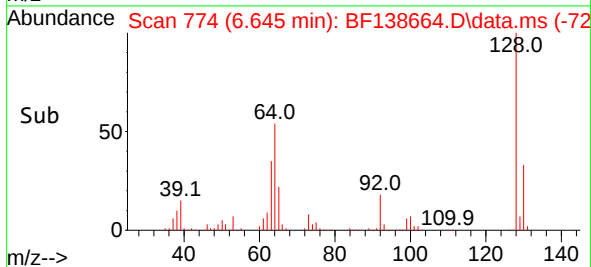
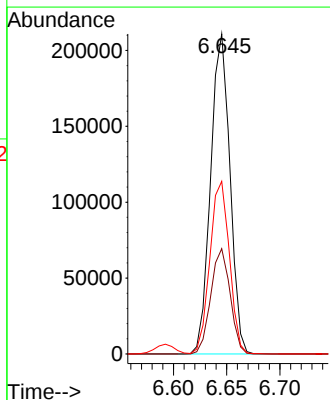
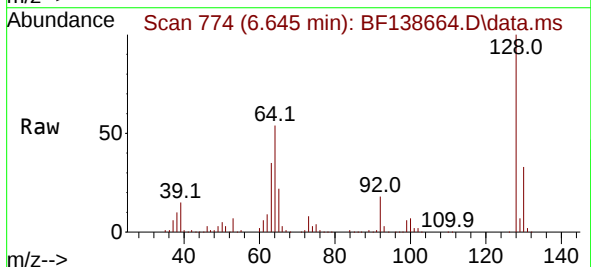
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#8
2-Chlorophenol
Concen: 50.989 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

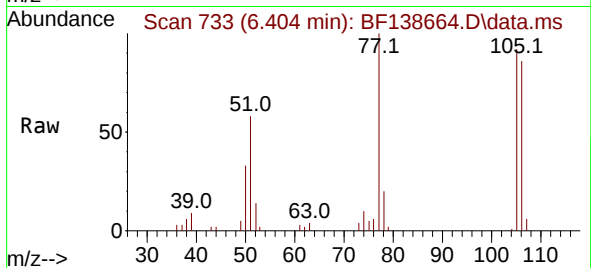
Tgt Ion:128 Resp: 265378
Ion Ratio Lower Upper
128 100
130 32.9 12.1 52.1
64 54.0 34.4 74.4





#9
Benzaldehyde
Concen: 5.475 ng
RT: 6.404 min Scan# 718
Delta R.T. -0.018 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

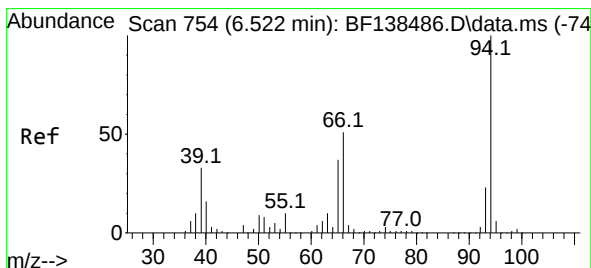
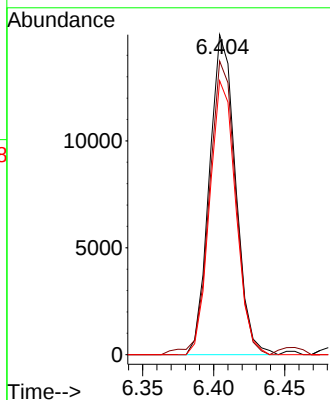
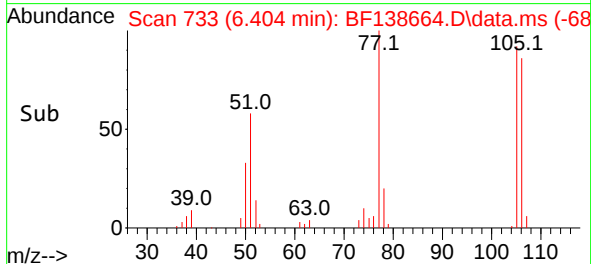
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



Tgt Ion: 77 Resp: 1918
Ion Ratio Lower Upper
77 100
105 91.8 75.1 115.1
106 85.6 73.2 113.2

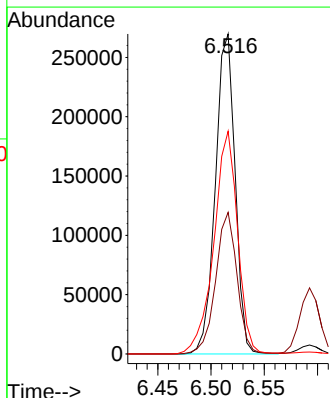
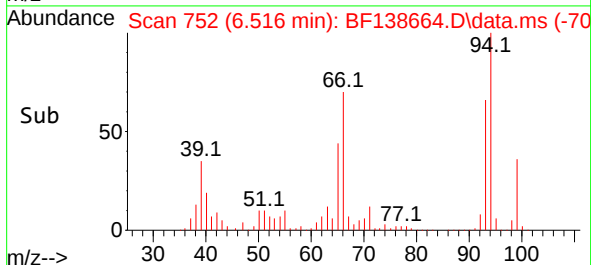
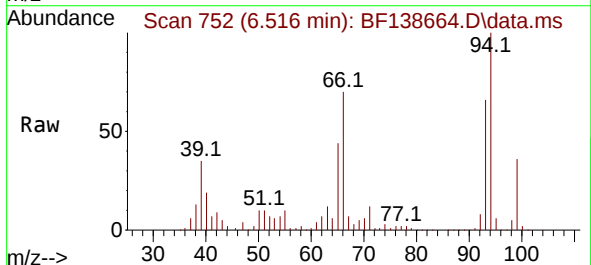
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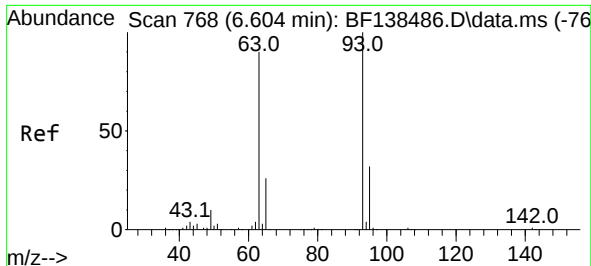
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#10
Phenol
Concen: 49.902 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Tgt Ion: 94 Resp: 346825
Ion Ratio Lower Upper
94 100
65 44.3 16.7 56.7
66 69.6 31.2 71.2





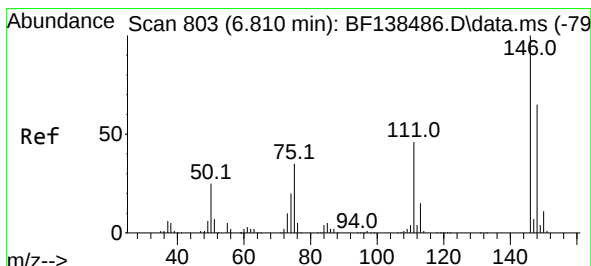
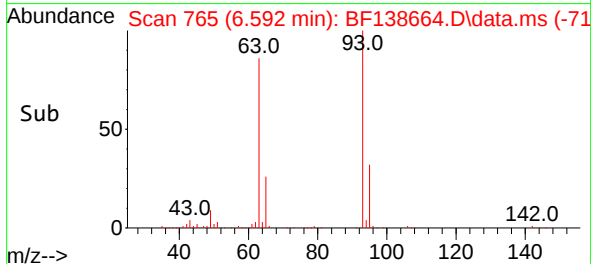
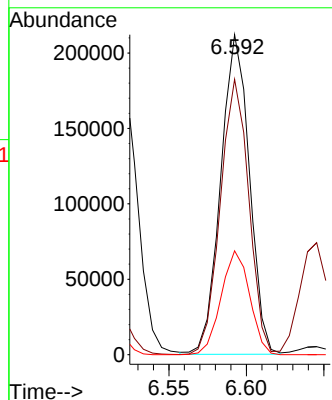
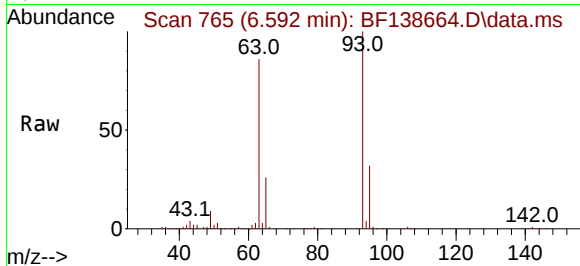
#11
bis(2-Chloroethyl)ether
Concen: 52.076 ng
RT: 6.592 min Scan# 768
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion: 93 Resp: 272509
Ion Ratio Lower Upper
93 100
63 86.1 68.8 108.8
95 32.5 11.8 51.8

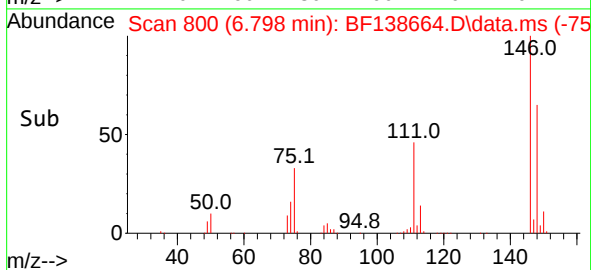
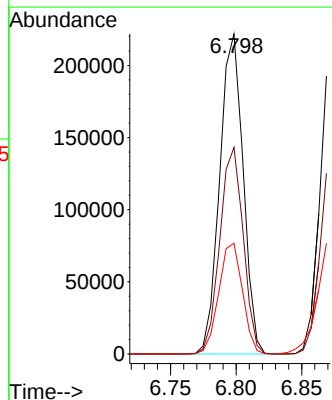
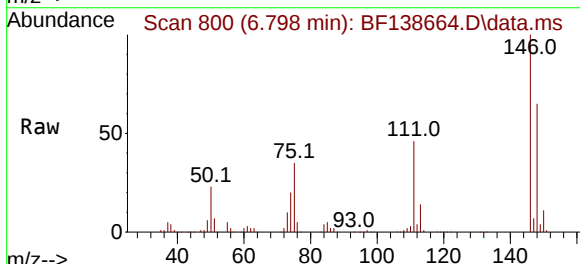
Manual Integrations
APPROVED

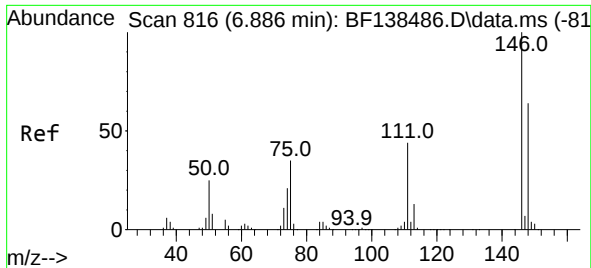
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#12
1,3-Dichlorobenzene
Concen: 47.028 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Tgt Ion:146 Resp: 275125
Ion Ratio Lower Upper
146 100
148 64.5 52.4 78.6
75 34.6 27.8 41.8





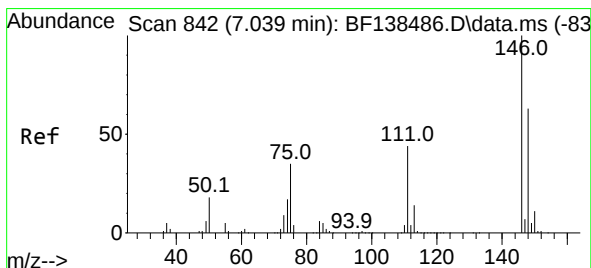
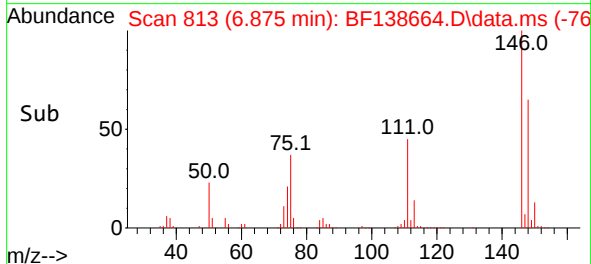
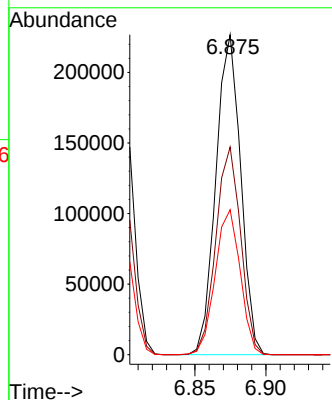
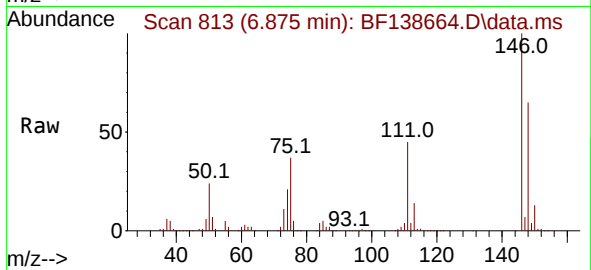
#13
1,4-Dichlorobenzene
Concen: 46.337 ng
RT: 6.875 min Scan# 816
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion:146 Resp: 275270
Ion Ratio Lower Upper
146 100
148 64.9 51.6 77.4
111 45.3 34.9 52.3

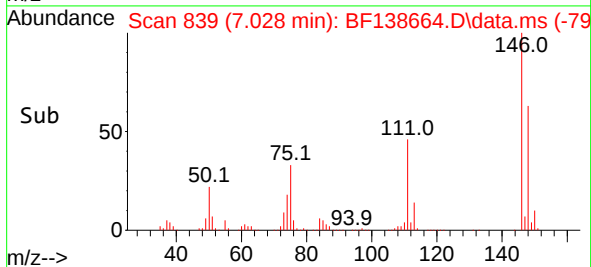
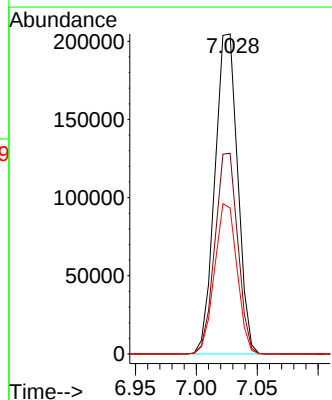
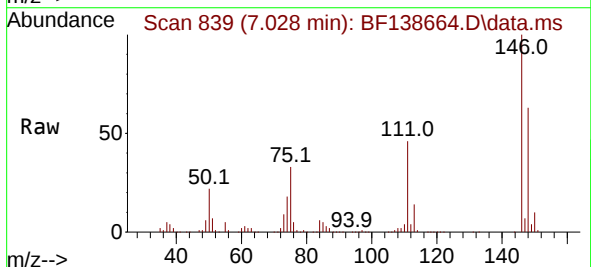
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#14
1,2-Dichlorobenzene
Concen: 48.179 ng
RT: 7.028 min Scan# 839
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

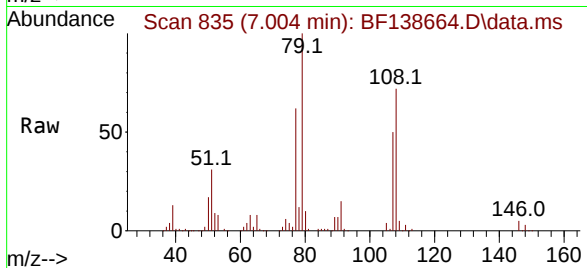
Tgt Ion:146 Resp: 266579
Ion Ratio Lower Upper
146 100
148 62.7 50.1 75.1
111 45.6 35.5 53.3





#15
Benzyl Alcohol
Concen: 51.201 ng
RT: 7.004 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

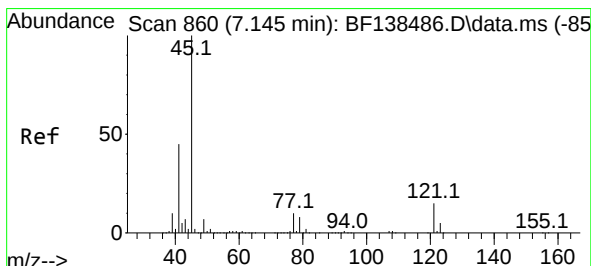
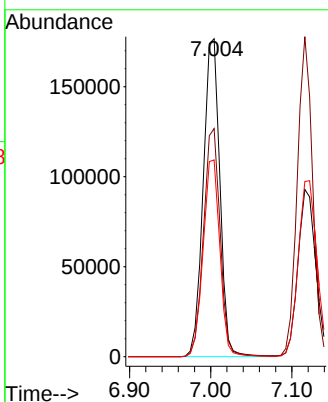
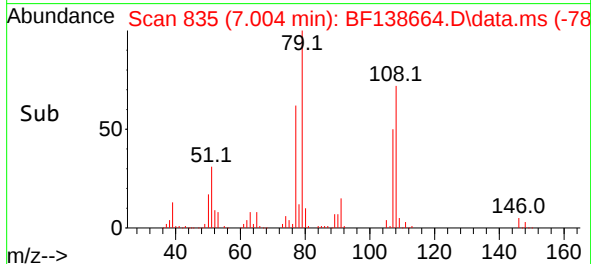
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



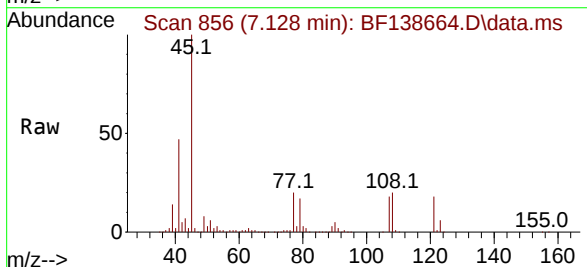
Tgt Ion: 79 Resp: 251599
Ion Ratio Lower Upper
79 100
108 71.8 54.3 81.5
77 61.9 50.0 75.0

Manual Integrations
APPROVED

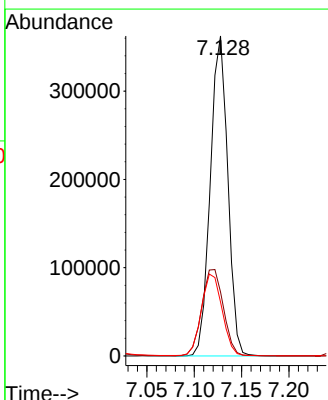
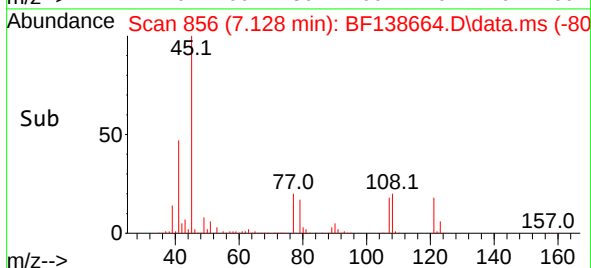
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024

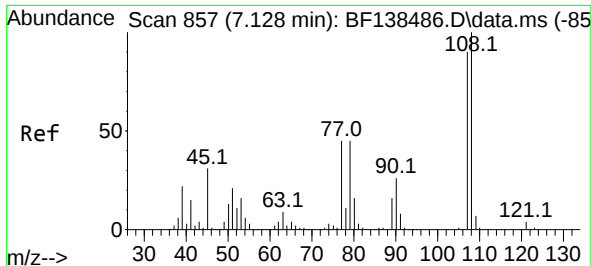


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.138 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.018 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53



Tgt Ion: 45 Resp: 464485
Ion Ratio Lower Upper
45 100
77 20.0 0.0 30.4
79 16.9 0.0 28.1





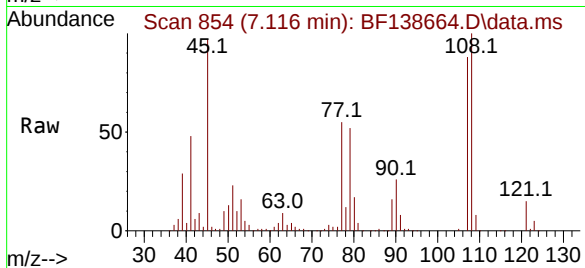
#17
2-Methylphenol
Concen: 48.412 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

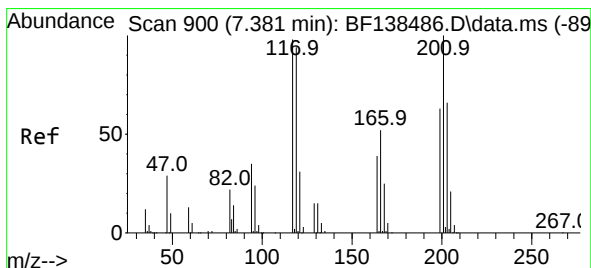
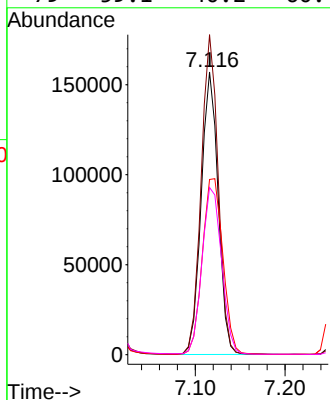
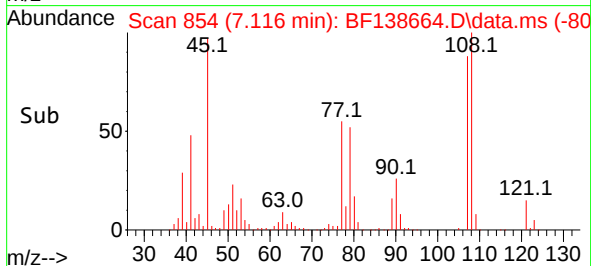


Tgt Ion:107 Resp: 20650
Ion Ratio Lower Upper
107 100
108 113.2 89.0 133.4
77 62.0 40.3 60.5
79 59.1 40.2 60.4

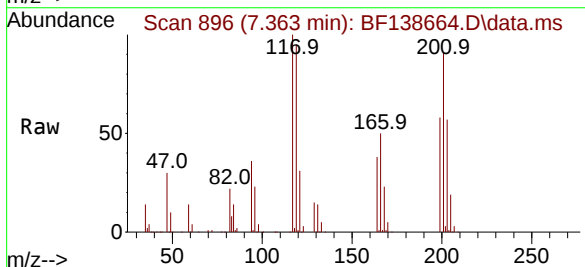
Manual Integrations

APPROVED

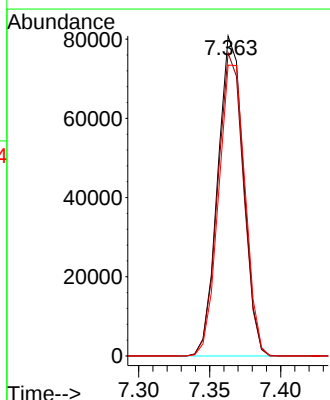
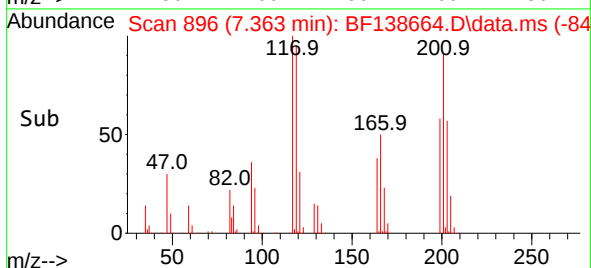
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024

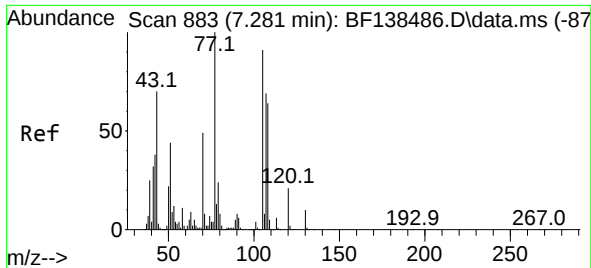


#18
Hexachloroethane
Concen: 46.560 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.018 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53



Tgt Ion:117 Resp: 101687
Ion Ratio Lower Upper
117 100
119 94.7 76.6 114.8
201 90.9 81.4 122.0





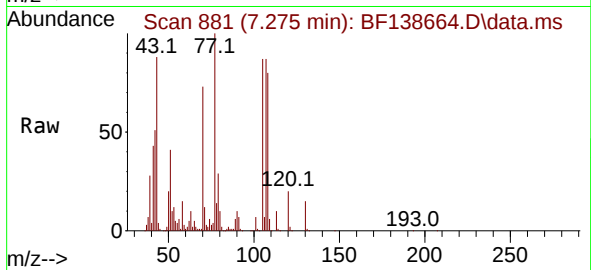
#19
n-Nitroso-di-n-propylamine
Concen: 49.476 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

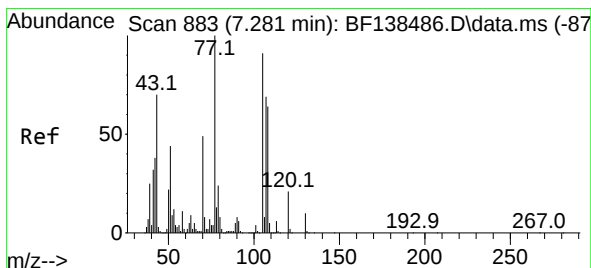
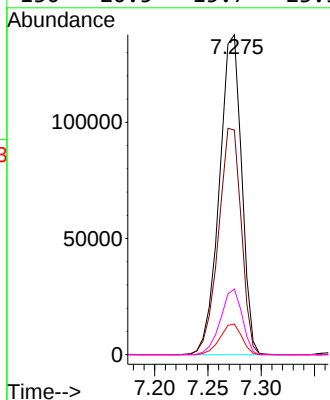
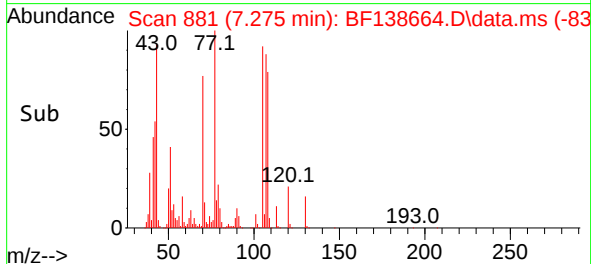


Tgt Ion: 70 Resp: 200170
Ion Ratio Lower Upper
70 100
42 70.2 62.4 93.6
101 9.5 7.2 10.8
130 20.5 15.7 23.5

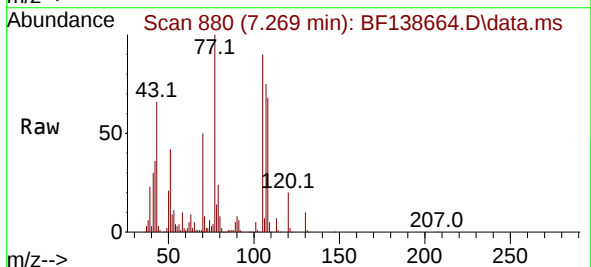
Manual Integrations

APPROVED

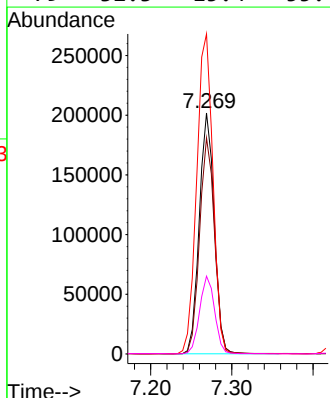
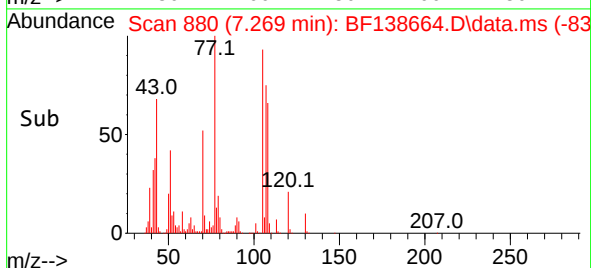
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024

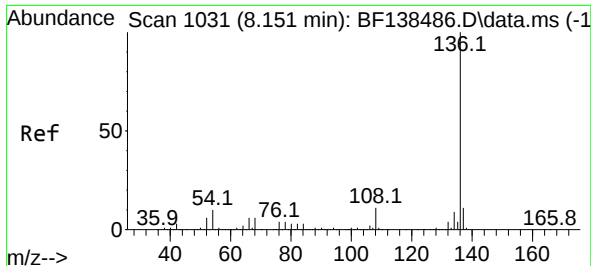


#20
3+4-Methylphenols
Concen: 48.131 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53



Tgt Ion:107 Resp: 258527
Ion Ratio Lower Upper
107 100
108 89.7 73.7 113.7
77 132.8 126.0 166.0
79 32.3 15.4 55.4





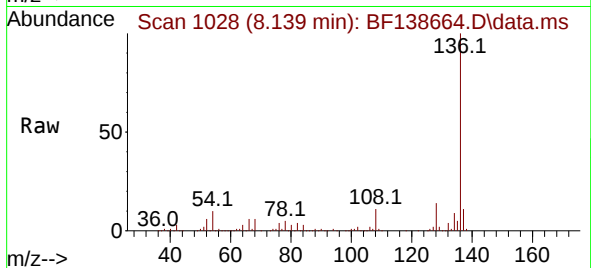
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

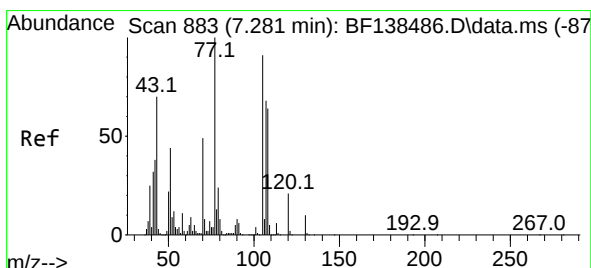
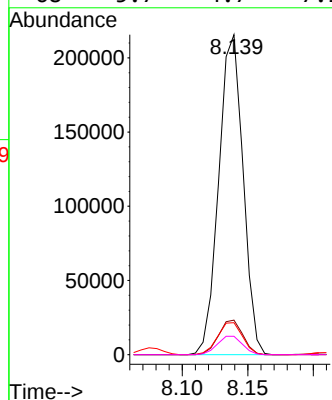
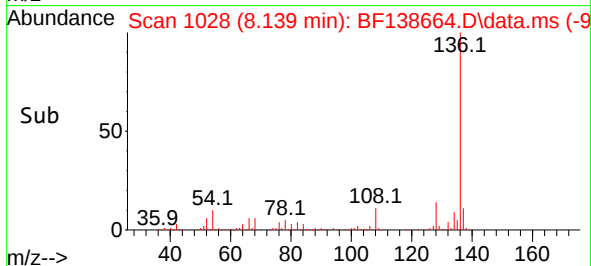


Tgt Ion:136 Resp: 277788
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.0 8.1 12.1
68 5.7 4.7 7.1

Manual Integrations

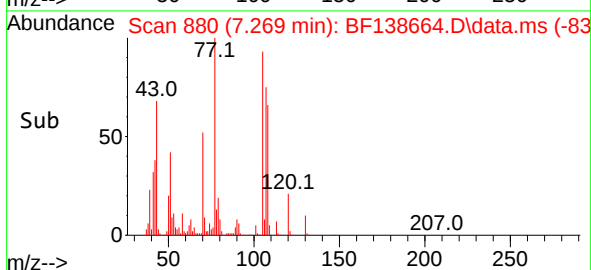
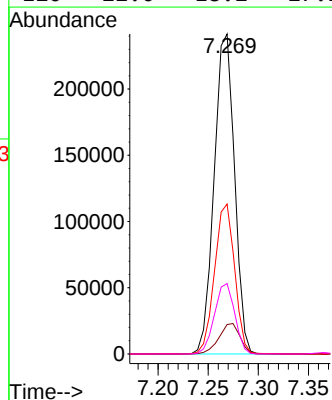
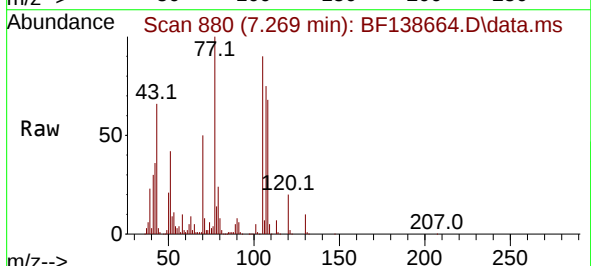
APPROVED

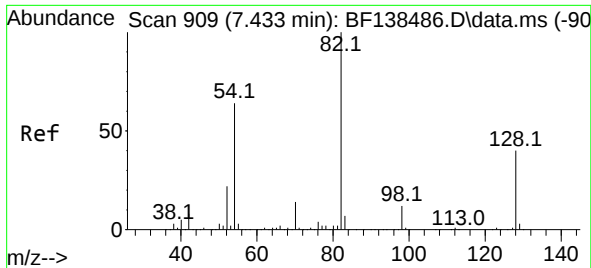
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#22
Acetophenone
Concen: 50.486 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Tgt Ion:105 Resp: 340612
Ion Ratio Lower Upper
105 100
71 9.2 7.4 11.2
51 46.8 38.7 58.1
120 22.0 18.2 27.2





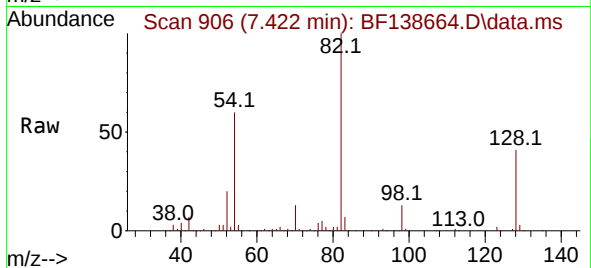
#23
Nitrobenzene-d5
Concen: 90.668 ng
RT: 7.422 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

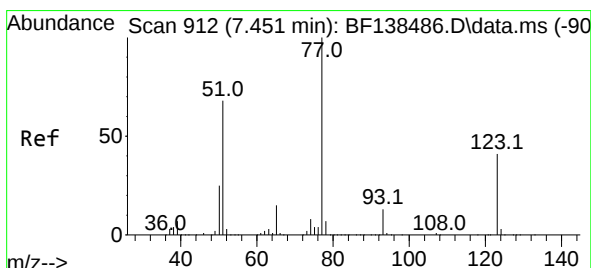
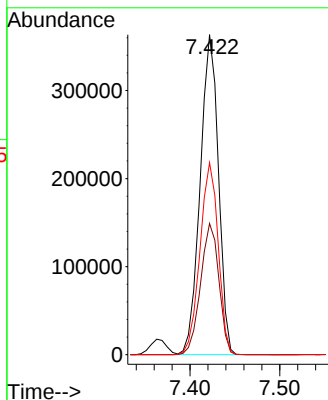
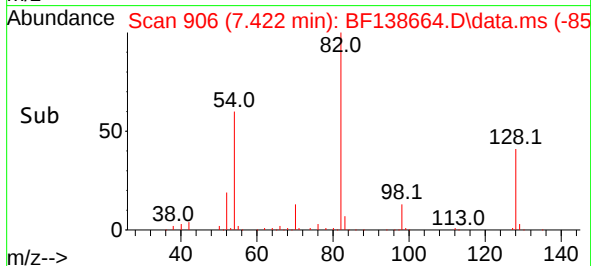


Tgt Ion: 82 Resp: 512985
Ion Ratio Lower Upper
82 100
128 41.0 32.3 48.5
54 60.0 51.4 77.0

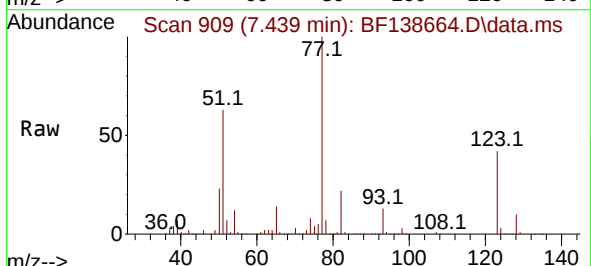
Manual Integrations

APPROVED

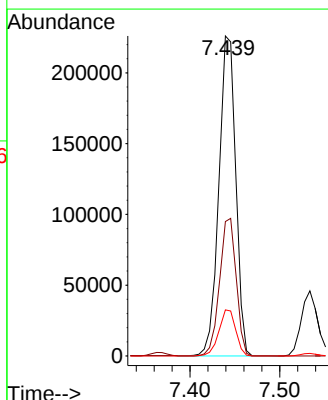
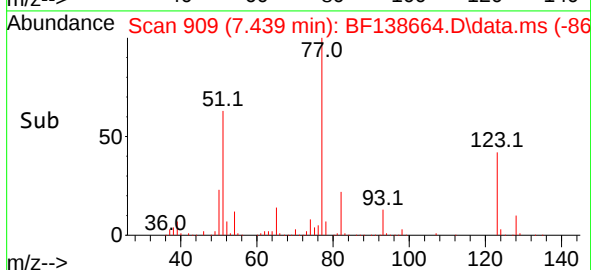
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#24
Nitrobenzene
Concen: 51.425 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53



Tgt Ion: 77 Resp: 295674
Ion Ratio Lower Upper
77 100
123 42.0 32.4 48.6
65 14.4 11.8 17.8





#25
Isophorone
Concen: 53.667 ng
RT: 7.681 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

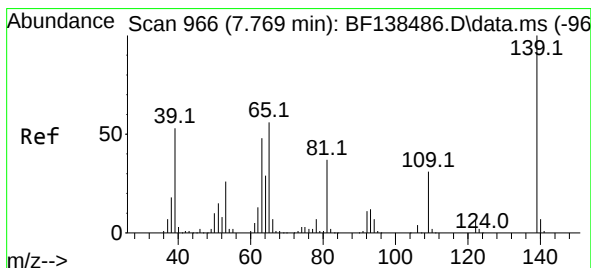
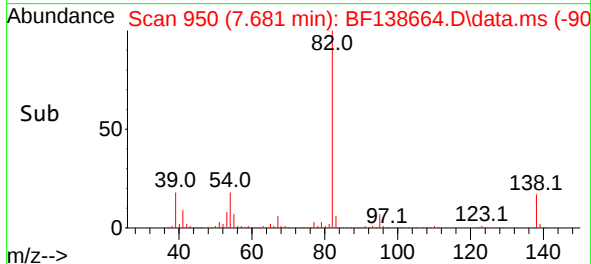
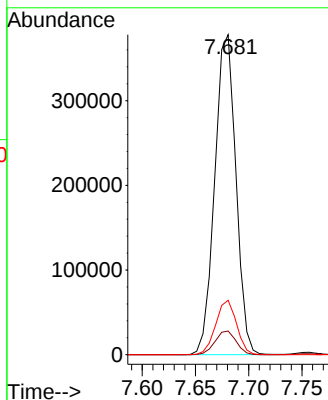
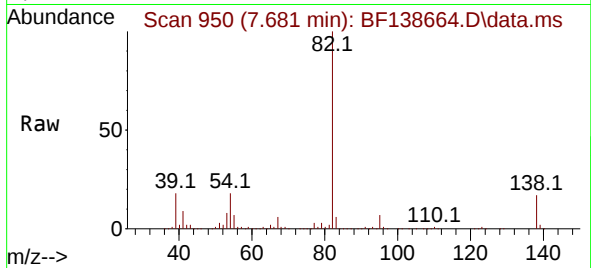
ClientSampleId :

SOIL-COMPMSD

Tgt Ion: 82 Resp: 521440
Ion Ratio Lower Upper
82 100
95 7.4 6.0 9.0
138 17.0 12.8 19.2

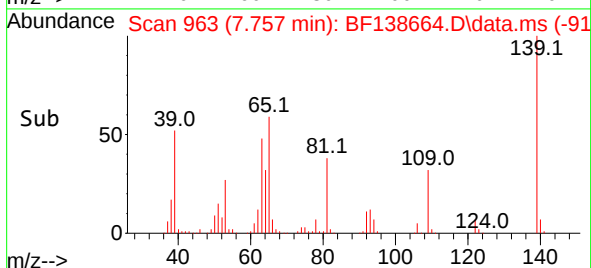
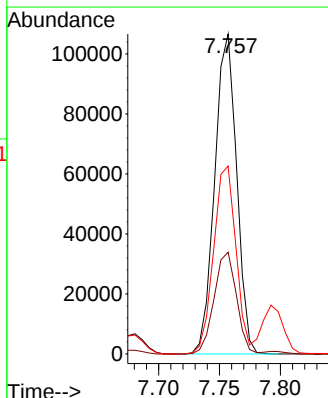
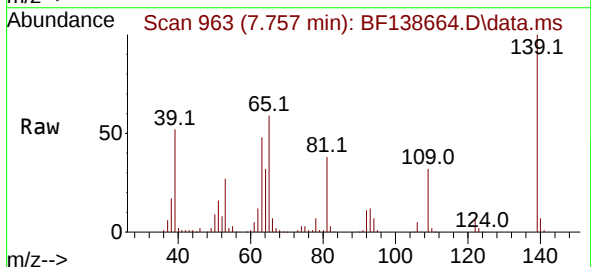
Manual Integrations
APPROVED

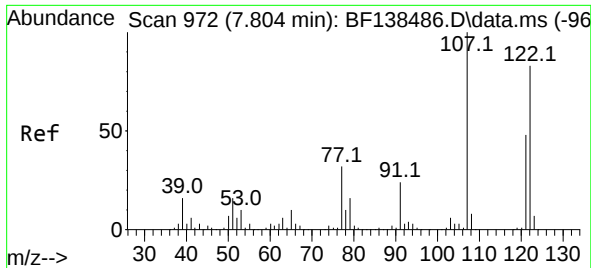
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#26
2-Nitrophenol
Concen: 54.247 ng
RT: 7.757 min Scan# 963
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Tgt Ion:139 Resp: 133680
Ion Ratio Lower Upper
139 100
109 31.8 24.8 37.2
65 58.7 45.1 67.7





#27

2,4-Dimethylphenol

Concen: 57.221 ng

RT: 7.792 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF138664.D

Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tgt Ion:122 Resp: 173308

Ion Ratio Lower Upper

122 100

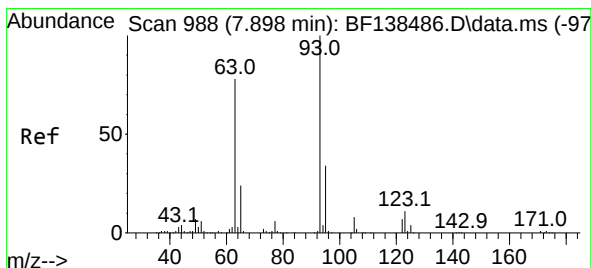
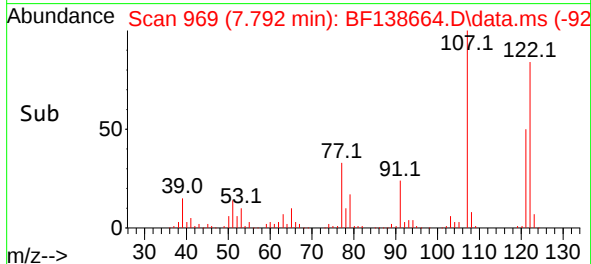
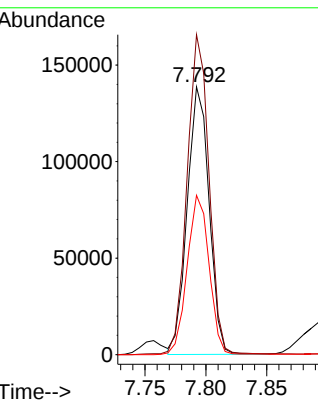
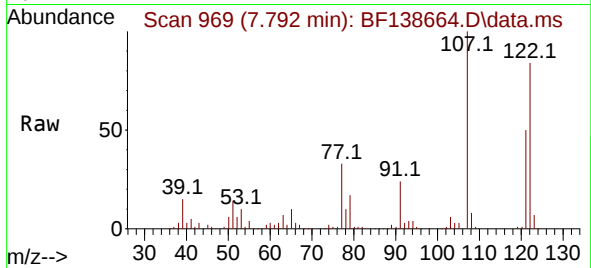
107 119.5 96.3 144.5

121 59.5 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#28

bis(2-Chloroethoxy)methane

Concen: 55.085 ng

RT: 7.886 min Scan# 985

Delta R.T. -0.012 min

Lab File: BF138664.D

Acq: 25 Jul 2024 20:53

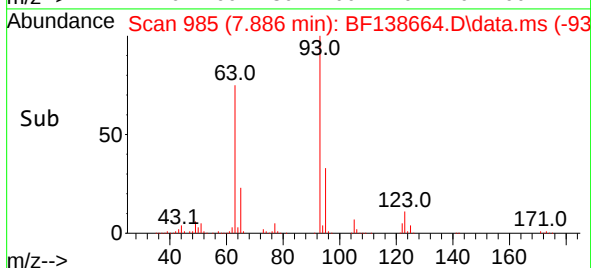
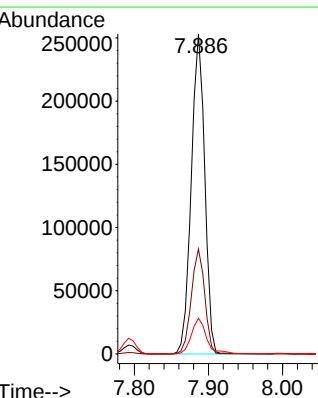
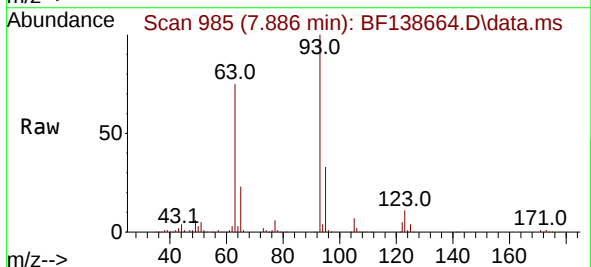
Tgt Ion: 93 Resp: 319869

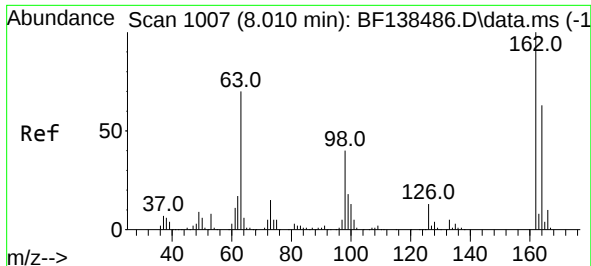
Ion Ratio Lower Upper

93 100

95 32.8 27.0 40.6

123 11.2 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 48.111 ng

RT: 7.998 min Scan# 1004

Delta R.T. -0.012 min

Lab File: BF138664.D

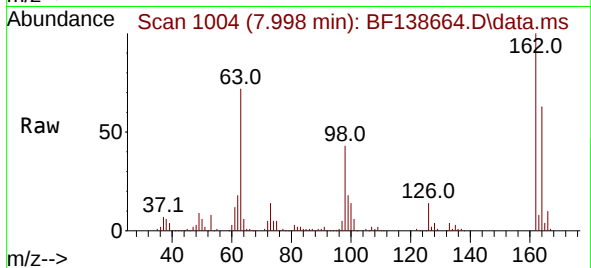
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD



Tgt Ion:162 Resp: 189225

Ion Ratio Lower Upper

162 100

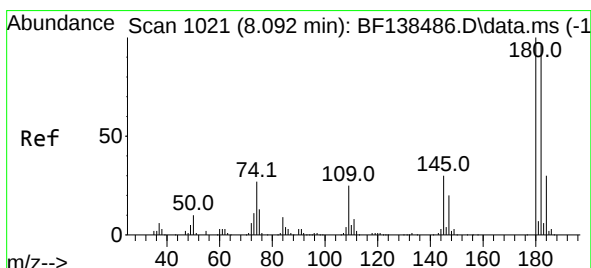
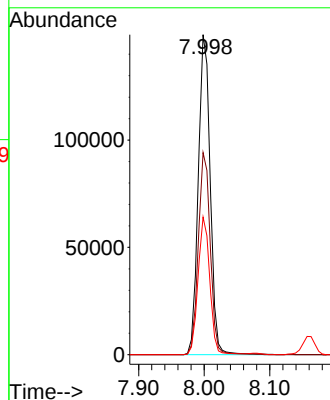
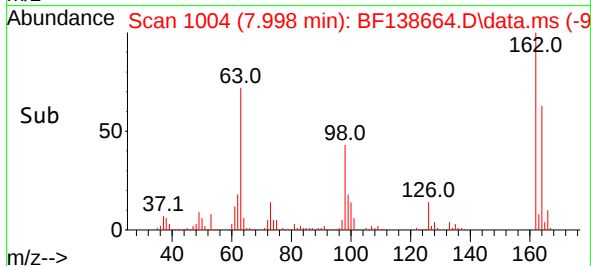
164 63.2 42.6 82.6

98 43.0 20.1 60.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#30

1,2,4-Trichlorobenzene

Concen: 47.219 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BF138664.D

Acq: 25 Jul 2024 20:53

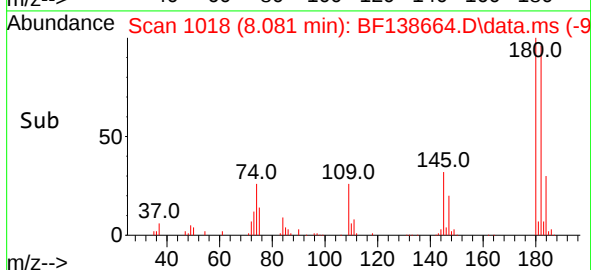
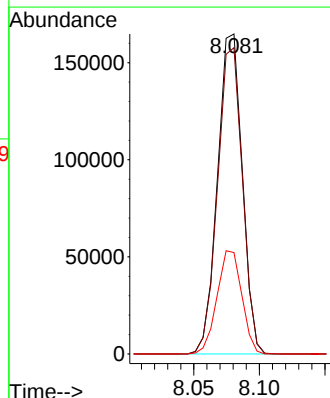
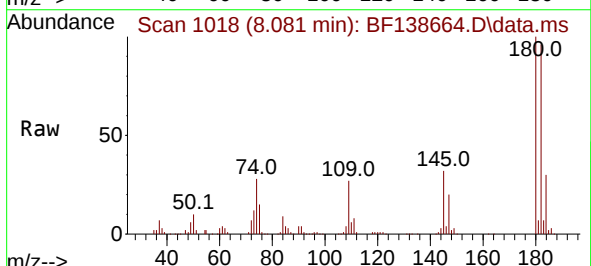
Tgt Ion:180 Resp: 216352

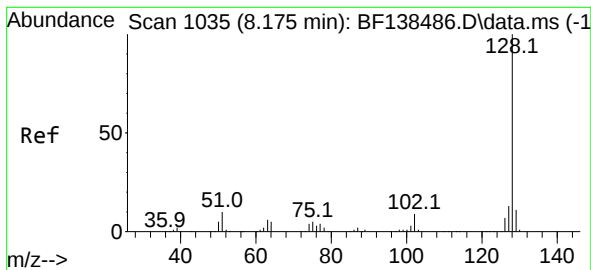
Ion Ratio Lower Upper

180 100

182 95.7 76.9 115.3

145 31.7 23.9 35.9





#31

Naphthalene

Concen: 50.304 ng

RT: 8.163 min Scan# 1032

Delta R.T. -0.012 min

Lab File: BF138664.D

Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tgt Ion:128 Resp: 72675

Ion Ratio Lower Upper

128 100

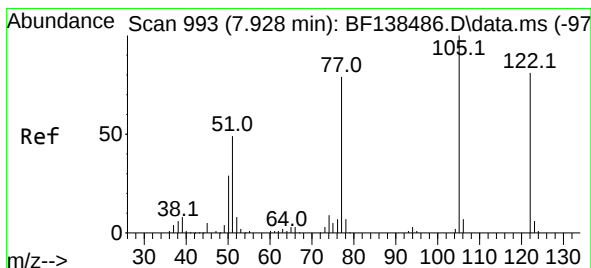
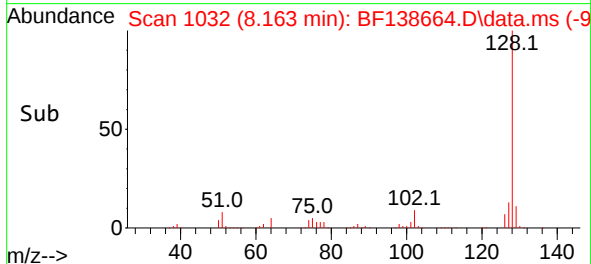
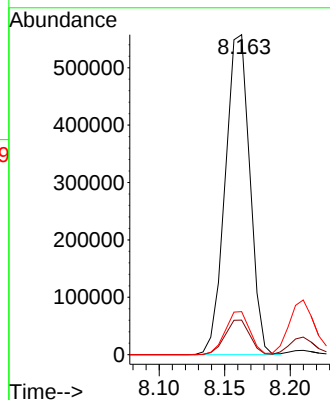
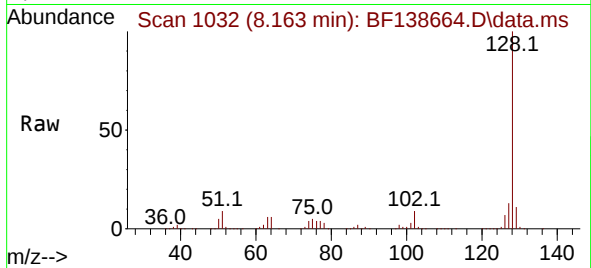
129 10.8 8.6 13.0

127 13.5 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#32

Benzoic acid

Concen: 28.047 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.012 min

Lab File: BF138664.D

Acq: 25 Jul 2024 20:53

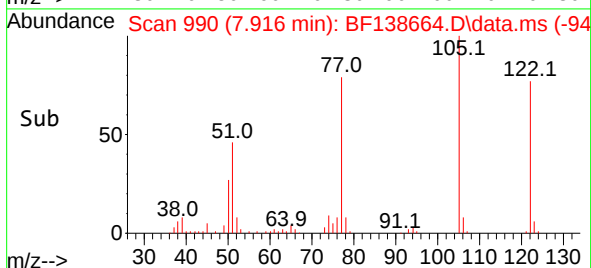
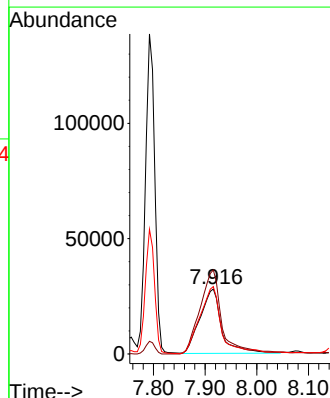
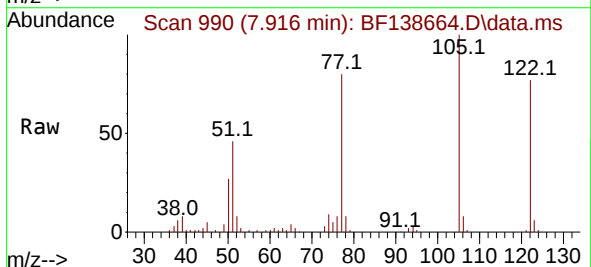
Tgt Ion:122 Resp: 81022

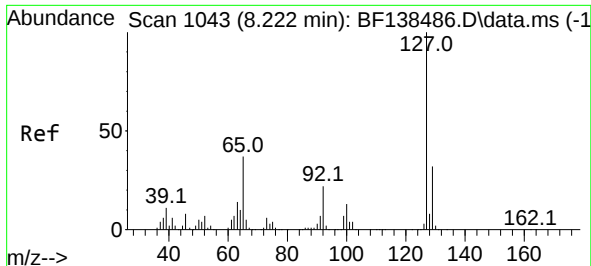
Ion Ratio Lower Upper

122 100

105 129.3 101.5 141.5

77 103.7 77.3 117.3





#33
4-Chloroaniline
Concen: 28.175 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

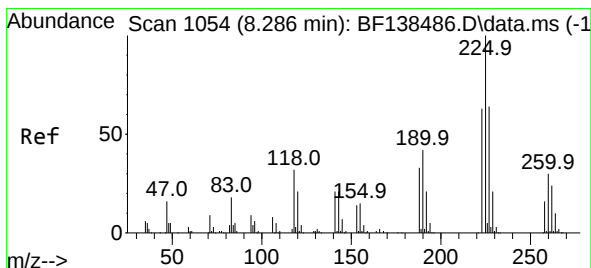
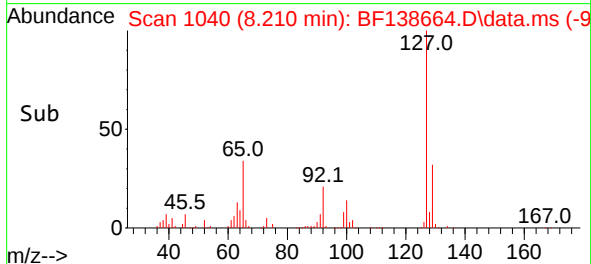
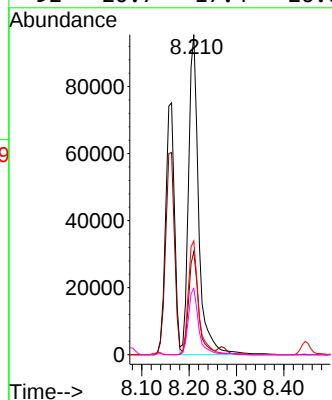
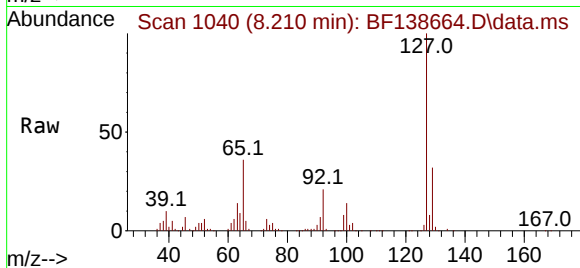
SOIL-COMPMSD

Tgt Ion:127 Resp: 14282
Ion Ratio Lower Upper
127 100
129 32.2 25.6 38.4
65 35.6 29.6 44.4
92 20.7 17.4 26.0

Manual Integrations

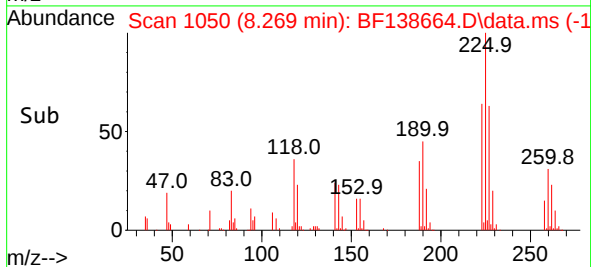
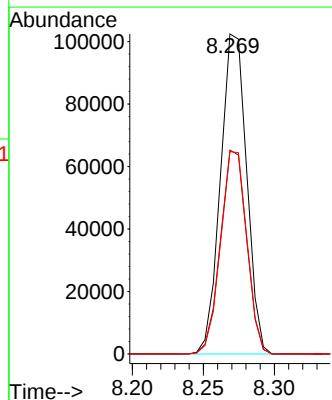
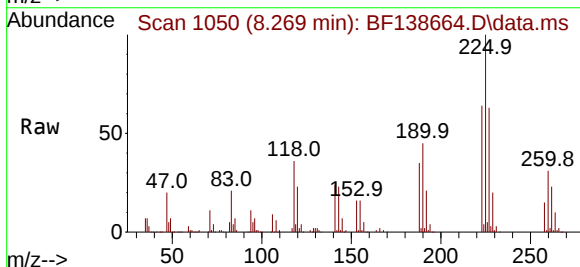
APPROVED

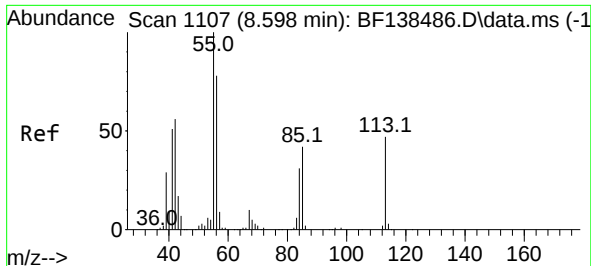
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#34
Hexachlorobutadiene
Concen: 46.579 ng
RT: 8.269 min Scan# 1050
Delta R.T. -0.018 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Tgt Ion:225 Resp: 131420
Ion Ratio Lower Upper
225 100
223 63.7 50.0 75.0
227 63.3 51.0 76.6





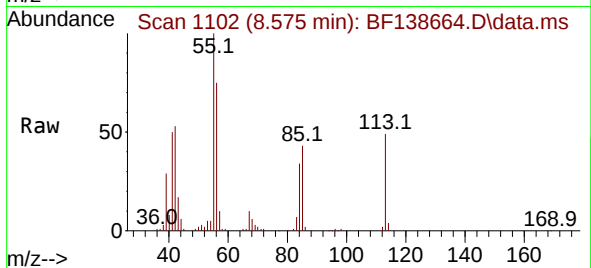
#35
Caprolactam
Concen: 41.470 ng
RT: 8.575 min Scan# 1107
Delta R.T. -0.023 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

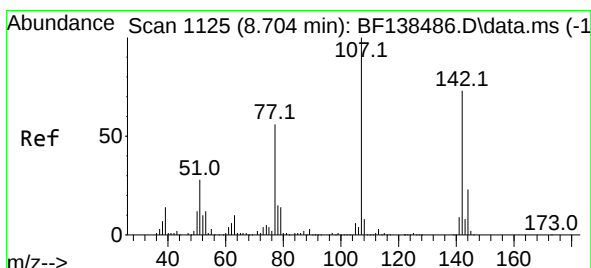
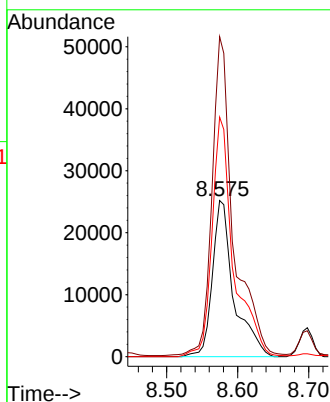
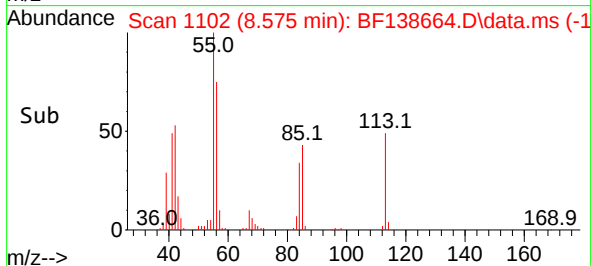


Tgt Ion:113 Resp: 5263
Ion Ratio Lower Upper
113 100
55 204.9 192.5 232.5
56 153.4 145.3 185.3

Manual Integrations

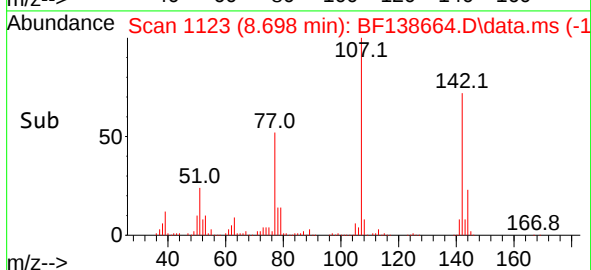
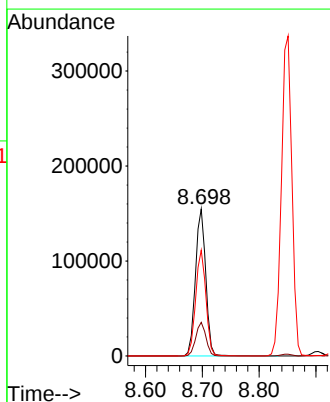
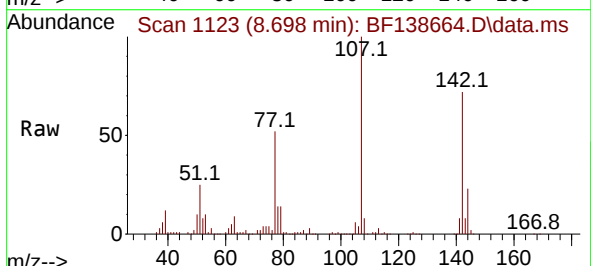
APPROVED

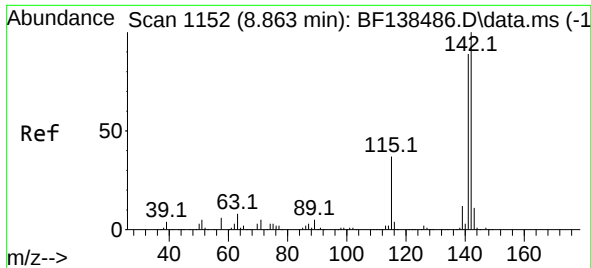
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#36
4-Chloro-3-methylphenol
Concen: 44.596 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Tgt Ion:107 Resp: 196365
Ion Ratio Lower Upper
107 100
144 22.9 18.6 27.8
142 72.0 58.6 88.0





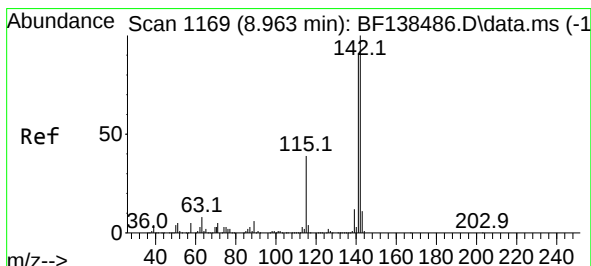
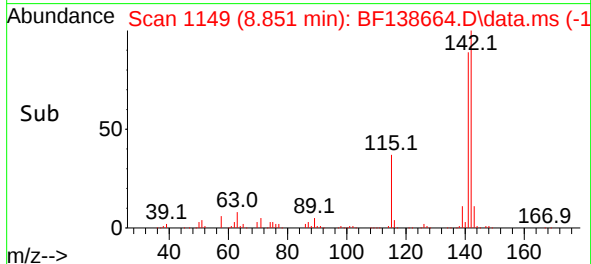
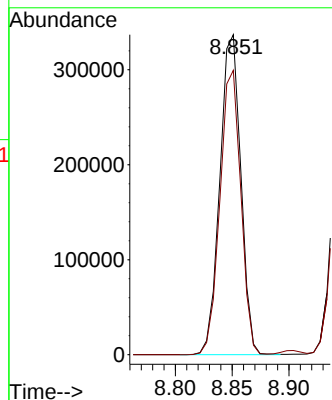
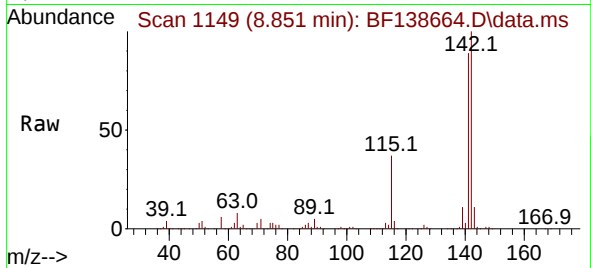
#37
2-Methylnaphthalene
Concen: 46.532 ng
RT: 8.851 min Scan# 1149
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion:142 Resp: 43262
Ion Ratio Lower Upper
142 100
141 88.9 71.4 107.0

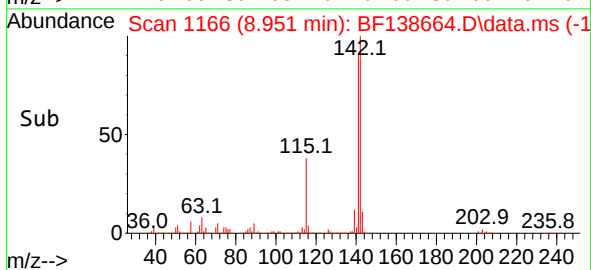
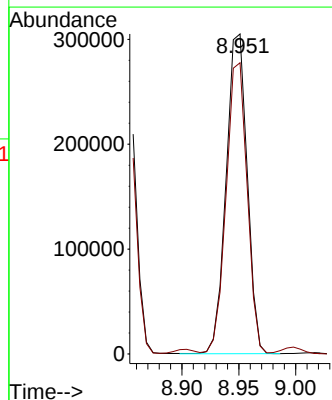
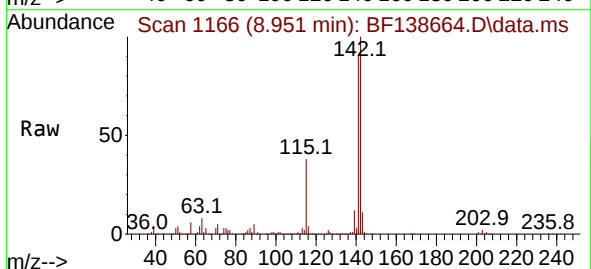
Manual Integrations
APPROVED

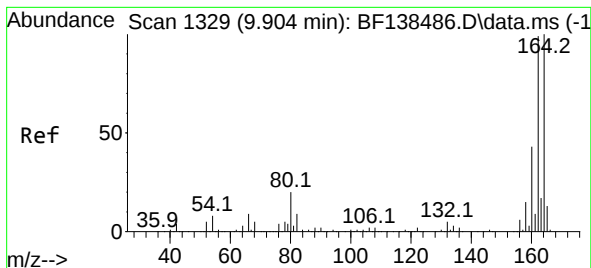
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#38
1-Methylnaphthalene
Concen: 43.321 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Tgt Ion:142 Resp: 393081
Ion Ratio Lower Upper
142 100
141 91.0 72.6 108.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 116904

Delta R.T. -0.012 min

Lab File: BF138664.D

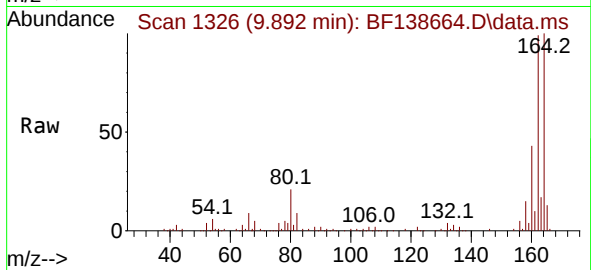
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD



Tgt Ion:164 Resp: 116904

Ion Ratio Lower Upper

164 100

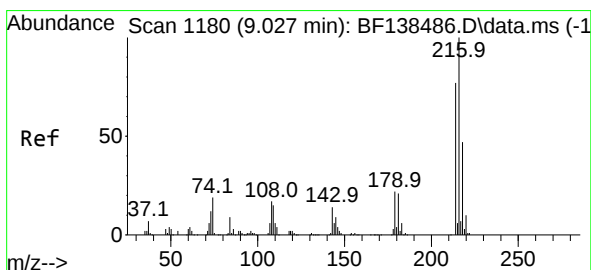
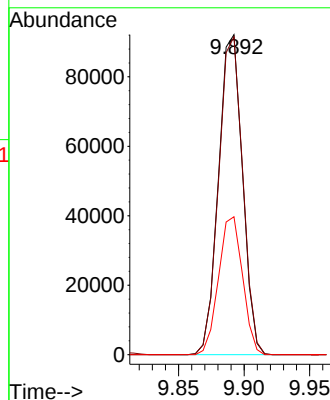
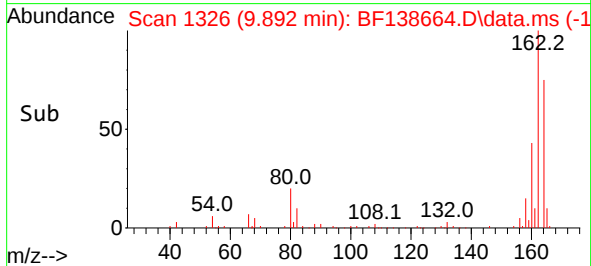
162 99.4 79.0 118.6

160 43.1 34.4 51.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 53.157 ng

RT: 9.016 min Scan# 1177

Delta R.T. -0.012 min

Lab File: BF138664.D

Acq: 25 Jul 2024 20:53

Tgt Ion:216 Resp: 173194

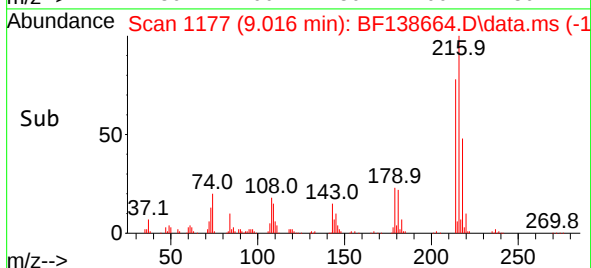
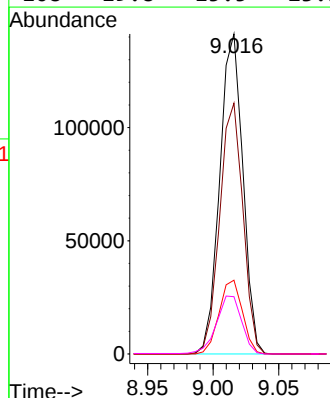
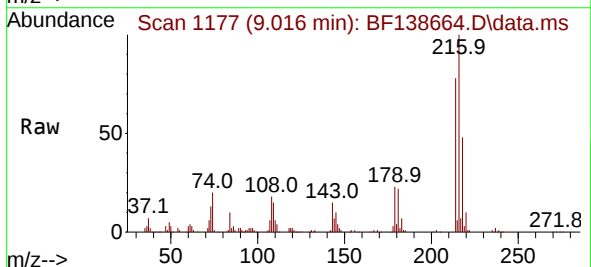
Ion Ratio Lower Upper

216 100

214 78.5 62.8 94.2

179 23.3 17.7 26.5

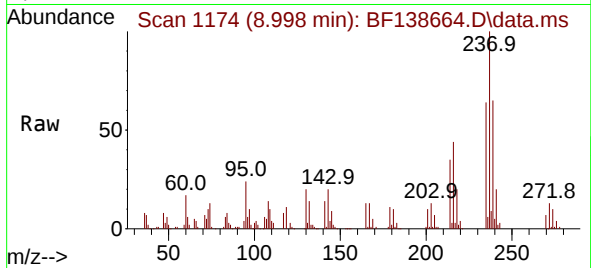
108 19.8 15.5 23.3





#41
Hexachlorocyclopentadiene
Concen: 54.185 ng
RT: 8.998 min Scan# 1174
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

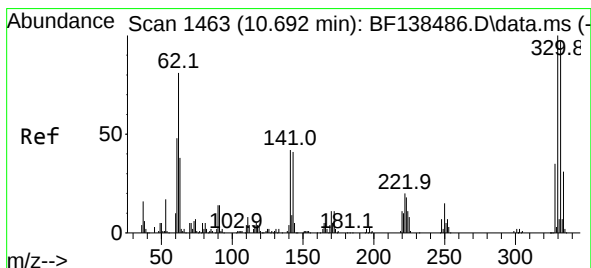
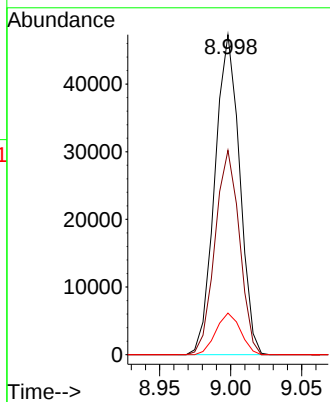
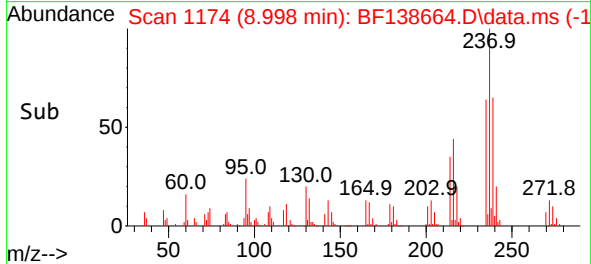
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



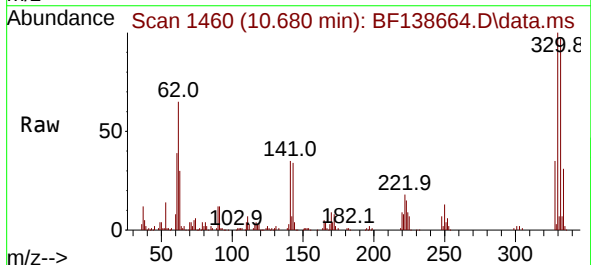
Tgt Ion:237 Resp: 5730
Ion Ratio Lower Upper
237 100
235 63.9 43.3 83.3
272 13.0 0.0 32.3

Manual Integrations
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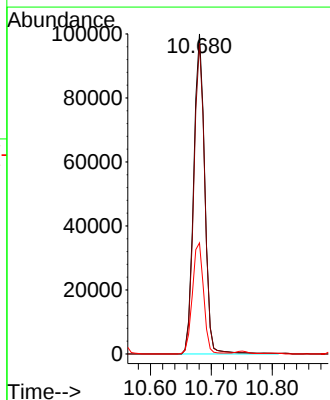
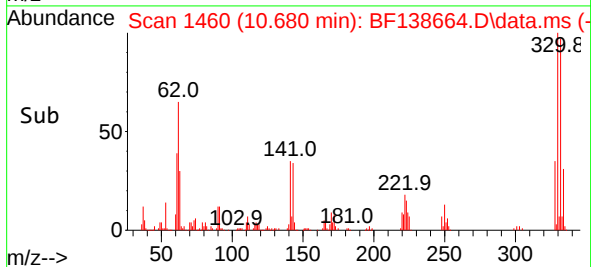
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#42
2,4,6-Tribromophenol
Concen: 115.315 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53



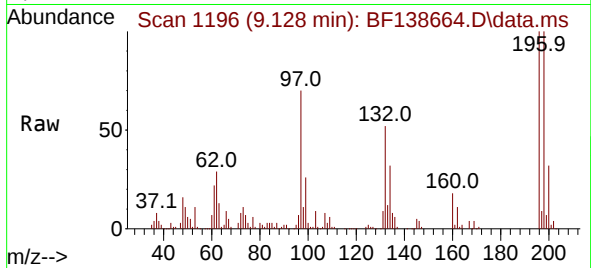
Tgt Ion:330 Resp: 125991
Ion Ratio Lower Upper
330 100
332 96.5 76.8 115.2
141 35.4 29.4 44.2





#43
2,4,6-Trichlorophenol
Concen: 52.976 ng
RT: 9.128 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

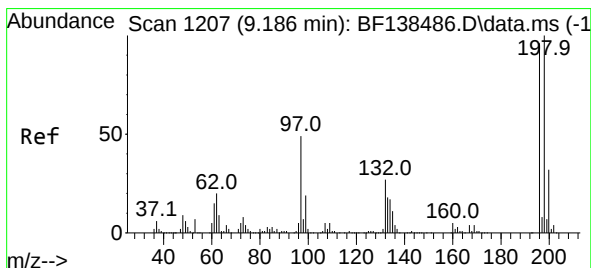
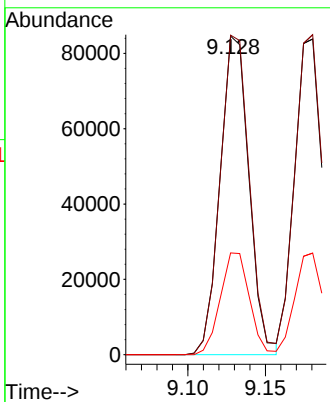
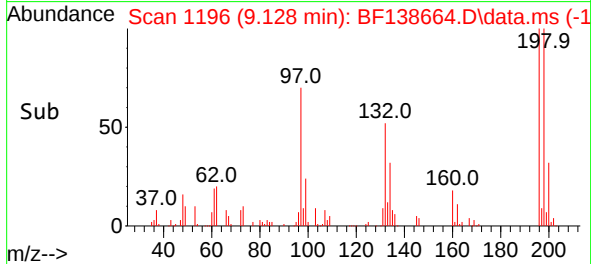
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



Tgt Ion:196 Resp: 11010
Ion Ratio Lower Upper
196 100
198 100.3 82.3 123.5
200 31.9 25.8 38.6

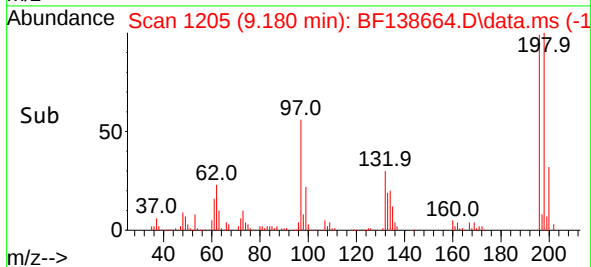
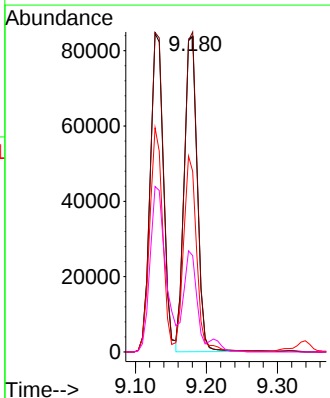
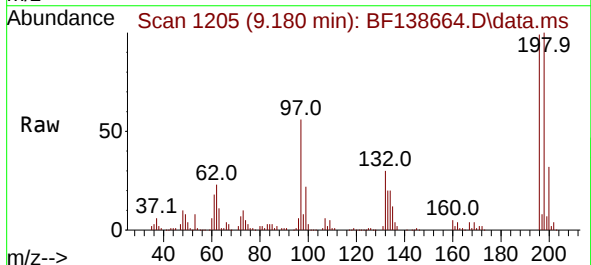
Manual Integrations
APPROVED

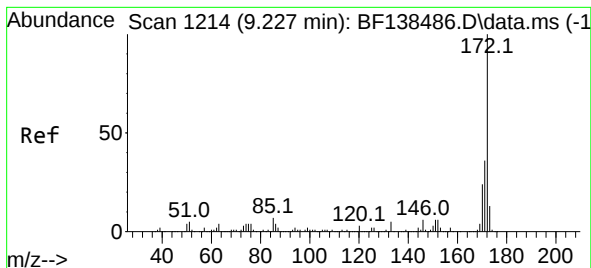
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#44
2,4,5-Trichlorophenol
Concen: 46.799 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Tgt Ion:196 Resp: 106979
Ion Ratio Lower Upper
196 100
198 101.4 82.8 124.2
97 57.2 41.0 61.4
132 30.5 22.7 34.1





#45

2-Fluorobiphenyl

Concen: 100.433 ng

RT: 9.210 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF138664.D

Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tgt Ion:172 Resp: 75123

Ion Ratio Lower Upper

172 100

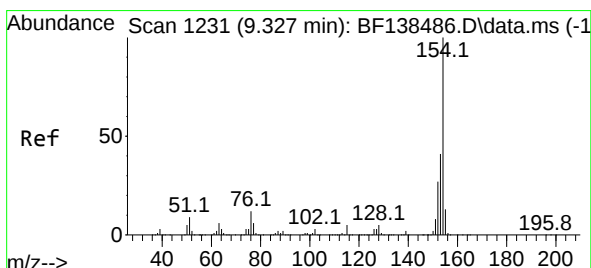
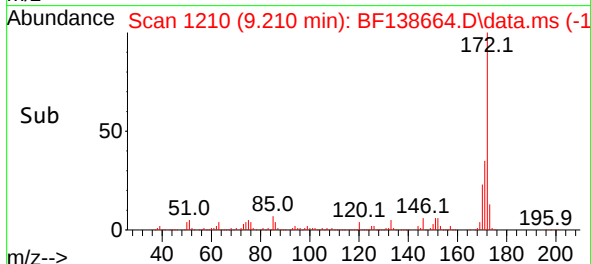
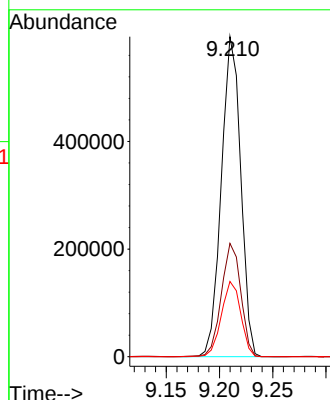
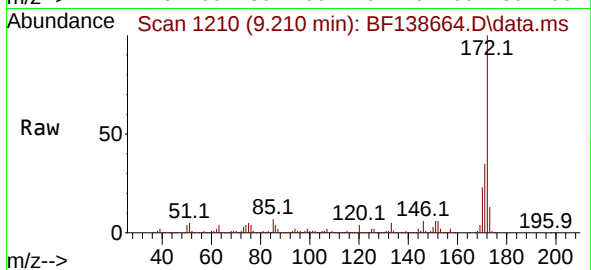
171 35.4 28.9 43.3

170 23.5 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#46

1,1'-Biphenyl

Concen: 54.151 ng

RT: 9.310 min Scan# 1227

Delta R.T. -0.018 min

Lab File: BF138664.D

Acq: 25 Jul 2024 20:53

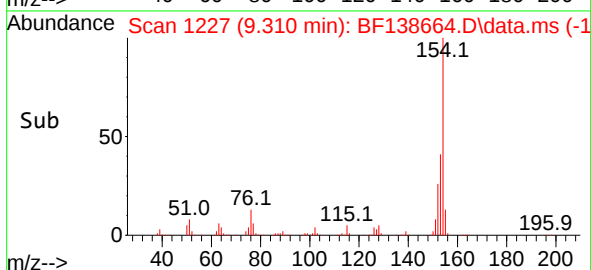
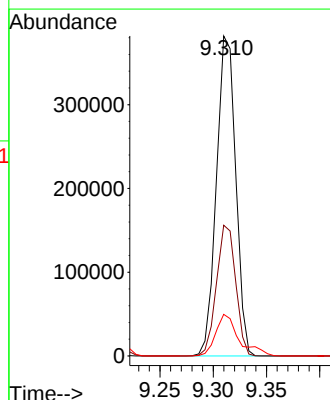
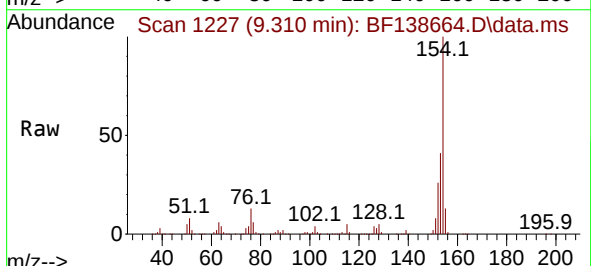
Tgt Ion:154 Resp: 479752

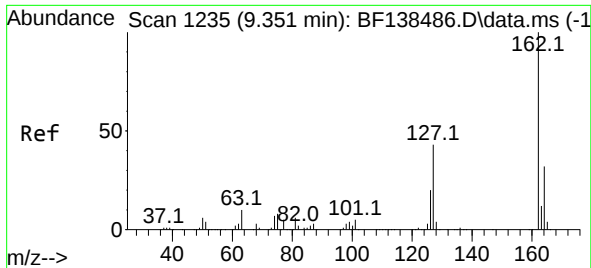
Ion Ratio Lower Upper

154 100

153 40.9 20.7 60.7

76 13.0 0.0 32.2





#47

2-Chloronaphthalene

Concen: 53.531 ng

RT: 9.339 min Scan# 1232

Delta R.T. -0.012 min

Lab File: BF138664.D

Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tgt Ion:162 Resp: 35828

Ion Ratio Lower Upper

162 100

127 44.0 34.8 52.2

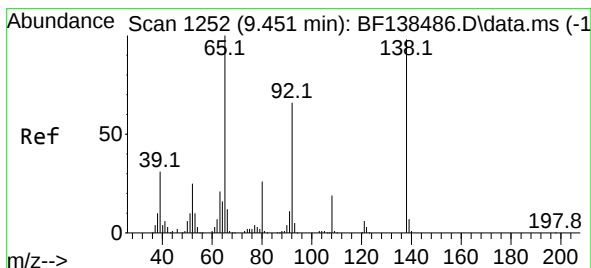
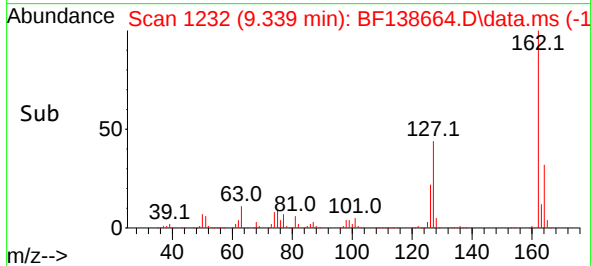
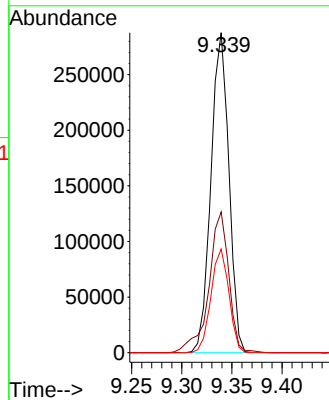
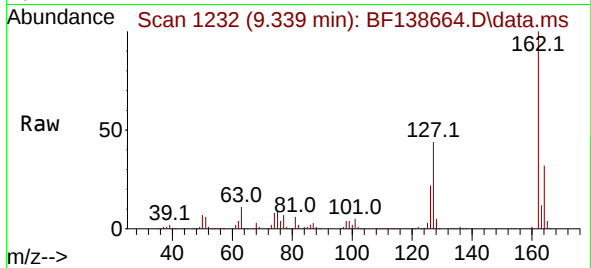
164 32.4 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024

Supervised By :mohammad ahmed 07/27/2024



#48

2-Nitroaniline

Concen: 55.515 ng

RT: 9.433 min Scan# 1248

Delta R.T. -0.018 min

Lab File: BF138664.D

Acq: 25 Jul 2024 20:53

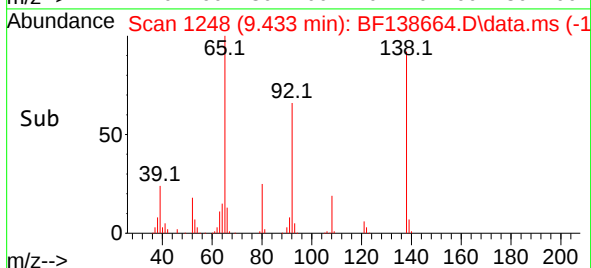
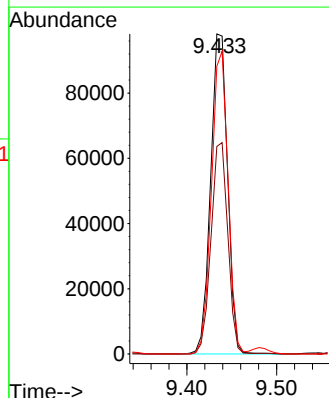
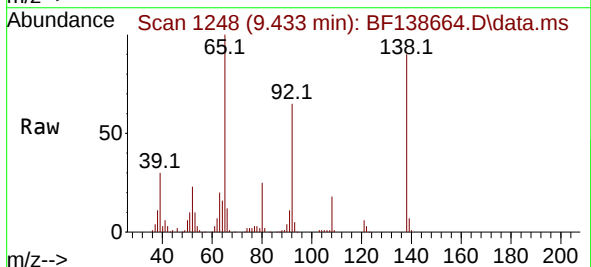
Tgt Ion: 65 Resp: 128758

Ion Ratio Lower Upper

65 100

92 64.9 52.6 78.8

138 89.9 78.6 118.0





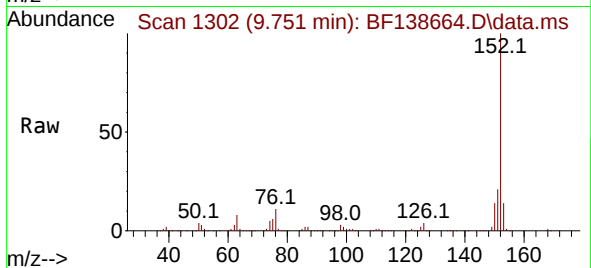
#49
Acenaphthylene
Concen: 56.462 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

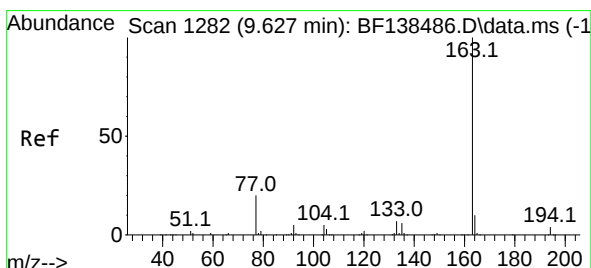
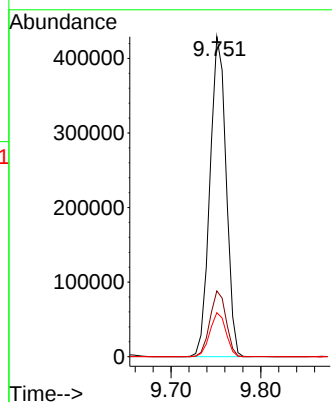
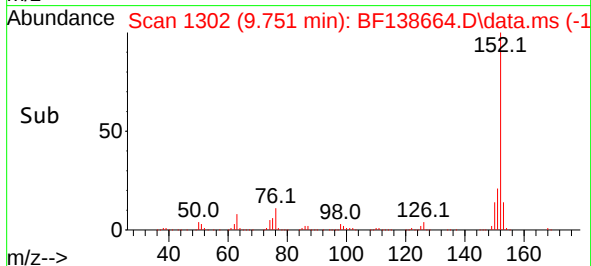


Tgt Ion:152 Resp: 53652
Ion Ratio Lower Upper
152 100
151 20.6 16.3 24.5
153 13.8 11.3 16.9

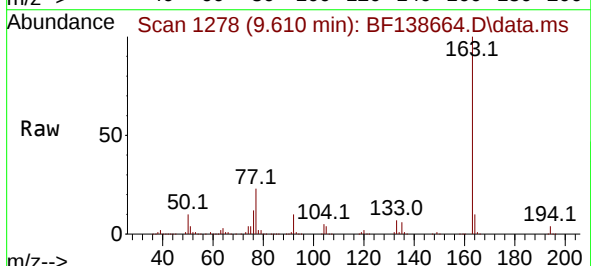
Manual Integrations

APPROVED

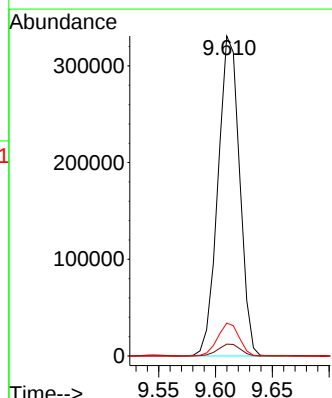
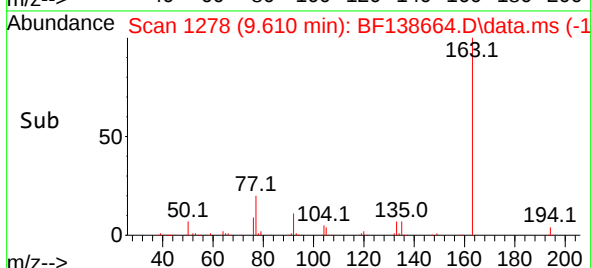
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#50
Dimethylphthalate
Concen: 58.014 ng
RT: 9.610 min Scan# 1278
Delta R.T. -0.018 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53



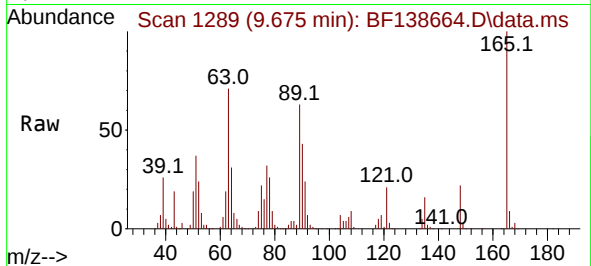
Tgt Ion:163 Resp: 438540
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.3 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 51.460 ng
RT: 9.675 min Scan# 1289
Delta R.T. -0.018 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

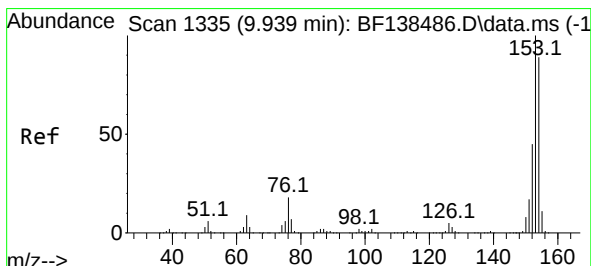
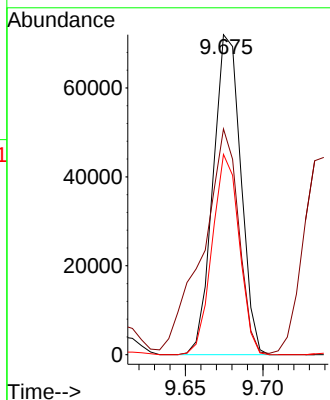
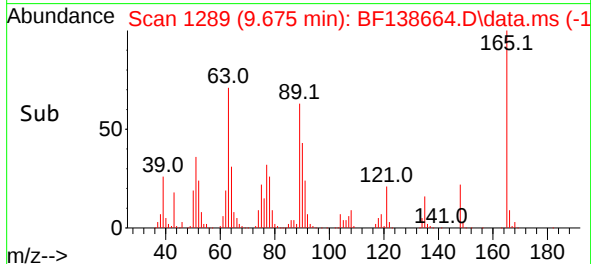
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



Tgt Ion:165 Resp: 89560
Ion Ratio Lower Upper
165 100
63 70.5 48.1 72.1
89 62.6 43.0 64.6

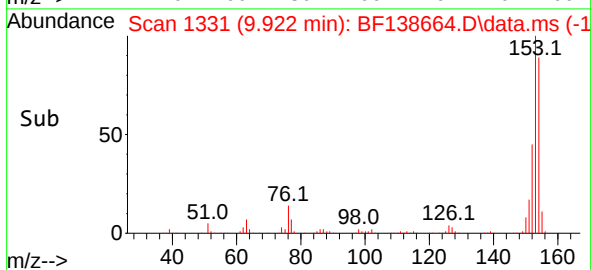
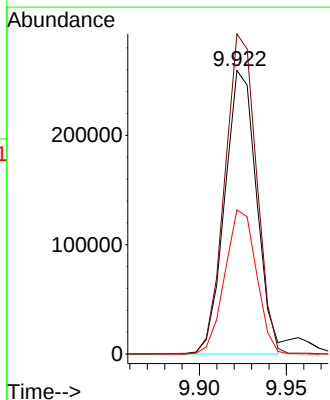
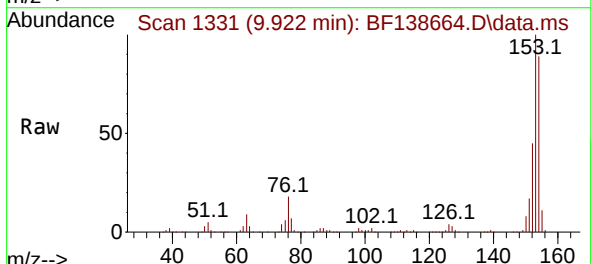
Manual Integrations
APPROVED

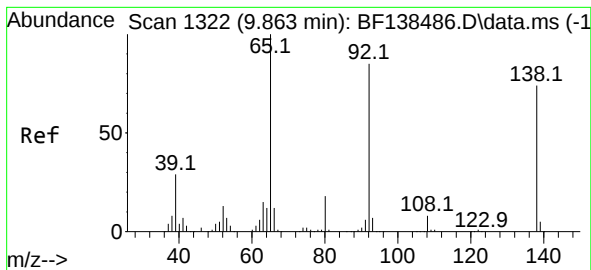
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#52
Acenaphthene
Concen: 52.276 ng m
RT: 9.922 min Scan# 1331
Delta R.T. -0.018 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Tgt Ion:154 Resp: 330203
Ion Ratio Lower Upper
154 100
153 112.9 90.4 135.6
152 50.9 41.1 61.7





#53
3-Nitroaniline
Concen: 41.751 ng
RT: 9.845 min Scan# 1318
Delta R.T. -0.018 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

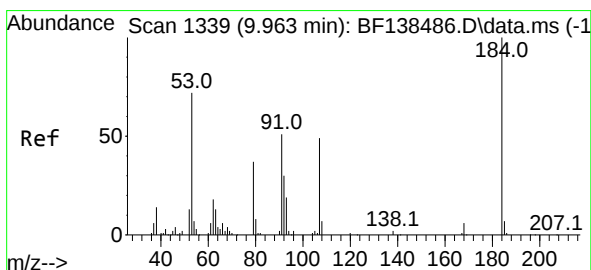
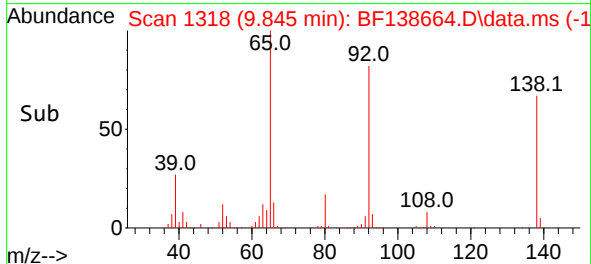
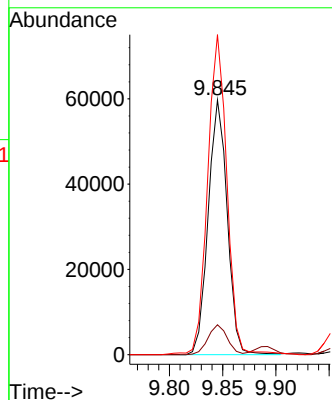
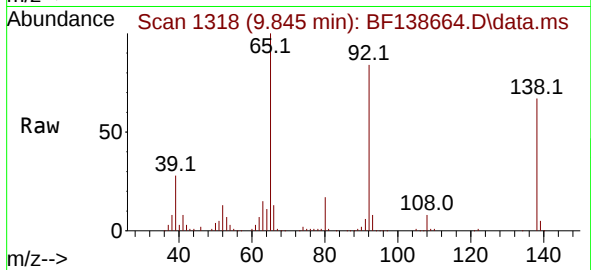
SOIL-COMPMSD

Tgt Ion:138 Resp: 74479
Ion Ratio Lower Upper
138 100
108 11.7 8.3 12.5
92 125.6 92.6 138.8

Manual Integrations

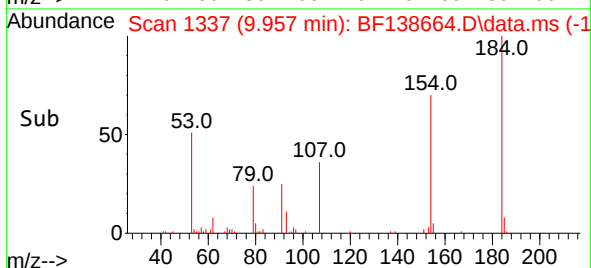
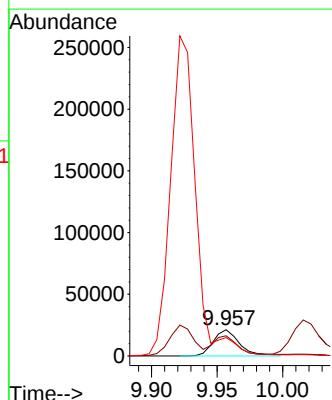
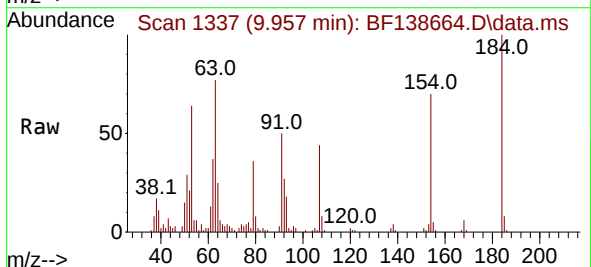
APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#54
2,4-Dinitrophenol
Concen: 34.537 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Tgt Ion:184 Resp: 29630
Ion Ratio Lower Upper
184 100
63 76.8 70.6 106.0
154 70.1 53.8 80.6





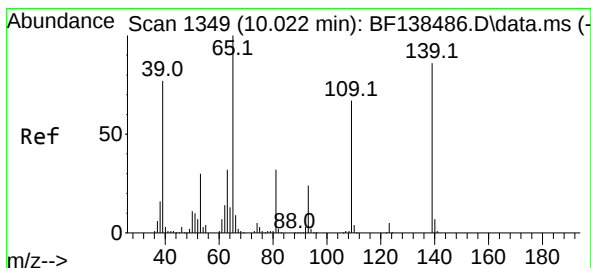
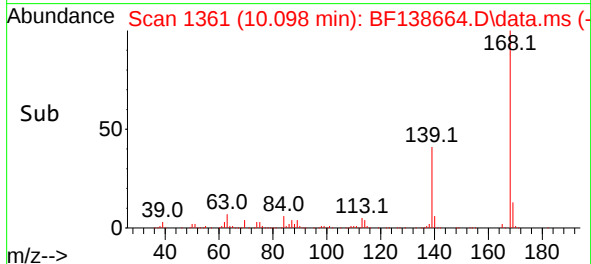
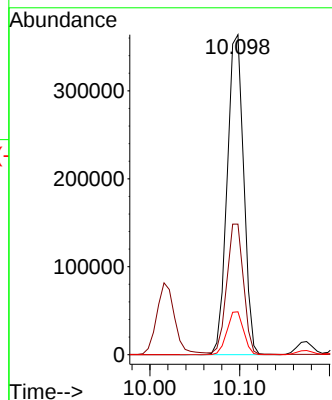
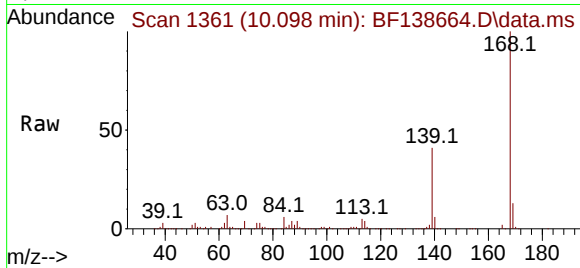
#55
Dibenzenofuran
Concen: 50.705 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion:168 Resp: 464554
Ion Ratio Lower Upper
168 100
139 40.8 32.4 48.6
169 13.4 10.9 16.3

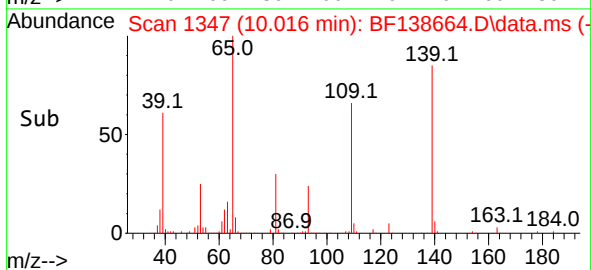
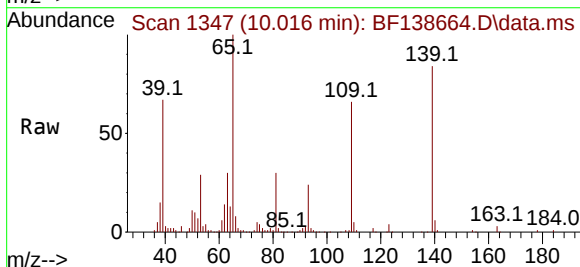
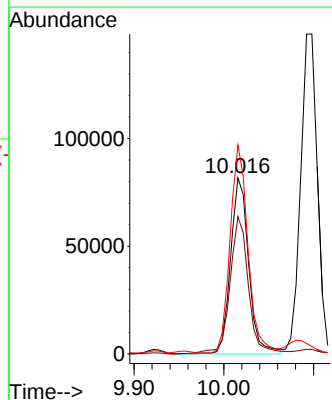
Manual Integrations
APPROVED

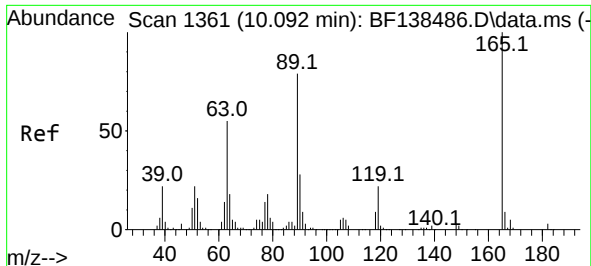
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#56
4-Nitrophenol
Concen: 86.773 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Tgt Ion:139 Resp: 114216
Ion Ratio Lower Upper
139 100
109 78.0 58.1 98.1
65 118.6 96.9 136.9





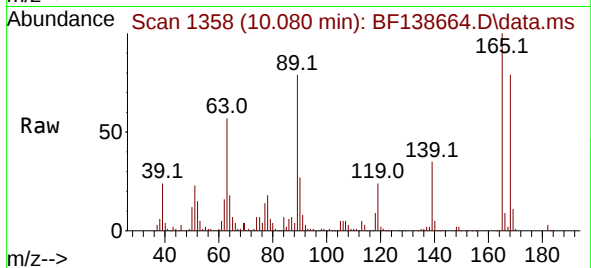
#57
2,4-Dinitrotoluene
Concen: 48.708 ng
RT: 10.080 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

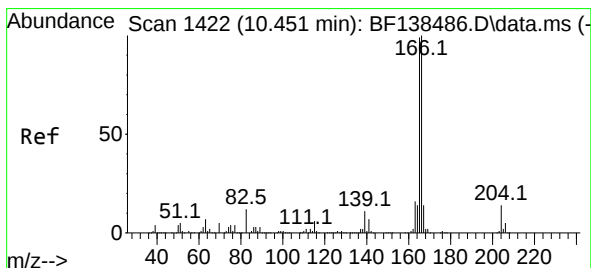
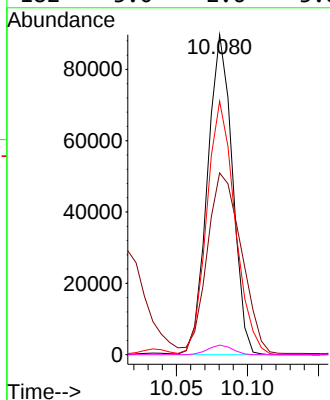
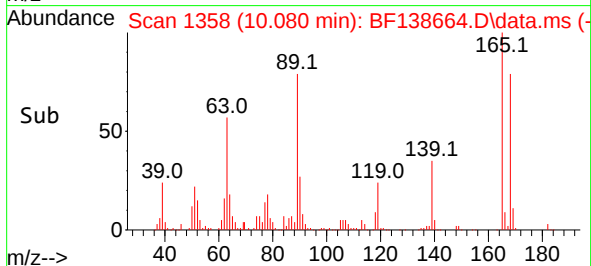


Tgt Ion:165 Resp: 109688
Ion Ratio Lower Upper
165 100
63 56.8 44.6 66.8
89 79.2 63.4 95.2
182 3.0 2.6 3.8

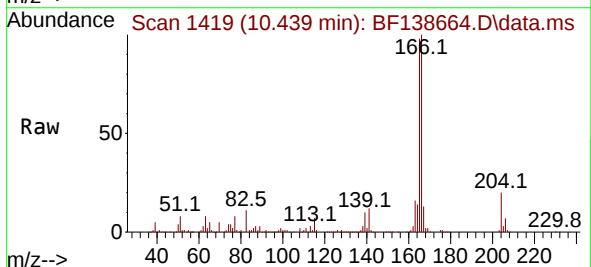
Manual Integrations

APPROVED

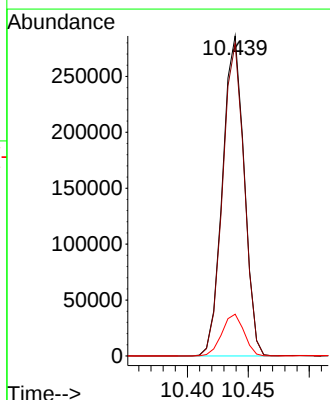
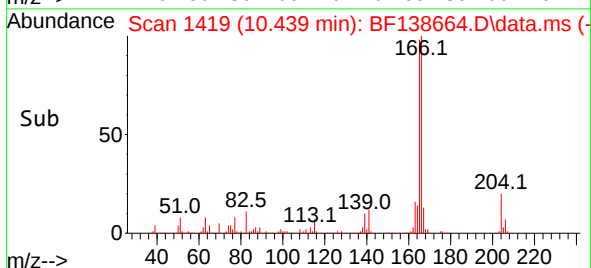
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#58
Fluorene
Concen: 48.766 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53



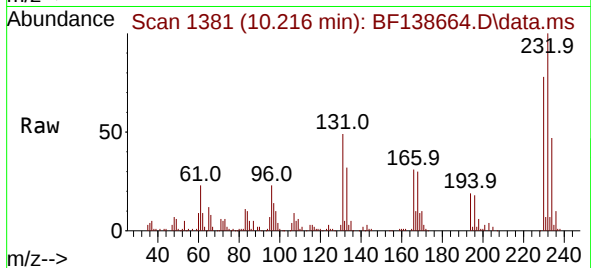
Tgt Ion:166 Resp: 353524
Ion Ratio Lower Upper
166 100
165 97.7 79.1 118.7
167 13.0 11.0 16.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 44.328 ng
RT: 10.216 min Scan# 1381
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

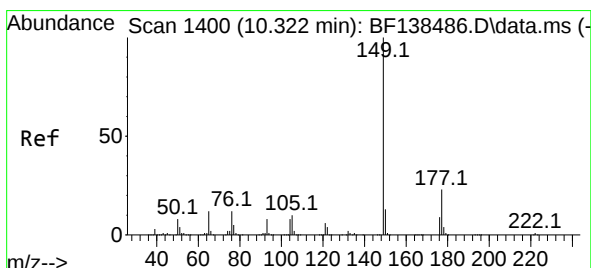
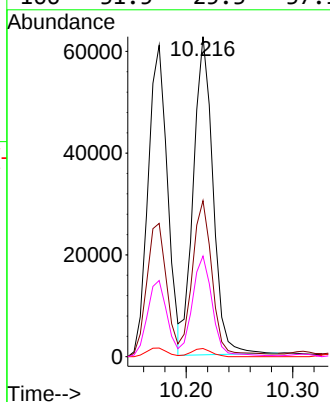
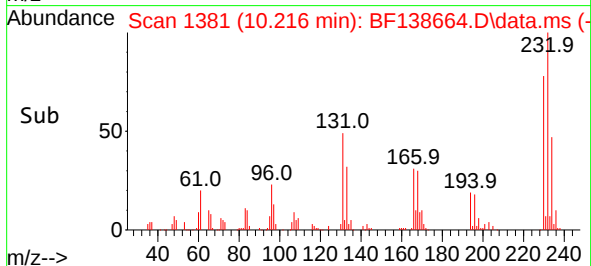
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



Tgt Ion:232 Resp: 79970
Ion Ratio Lower Upper
232 100
131 48.3 37.5 56.3
130 2.6 2.0 3.0
166 31.5 25.3 37.9

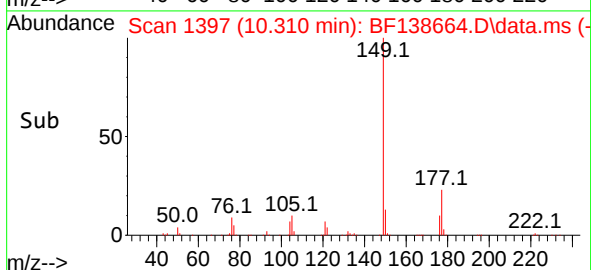
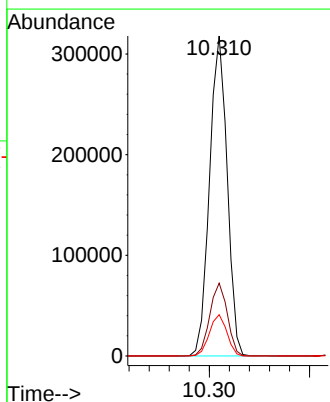
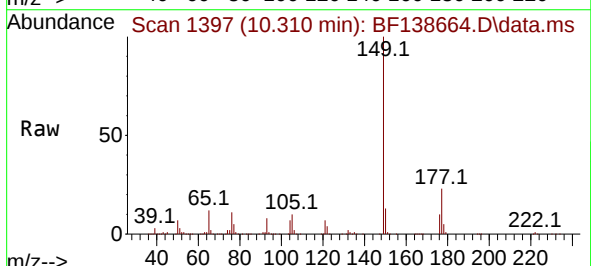
Manual Integrations
APPROVED

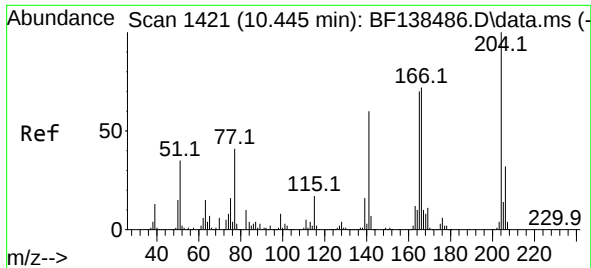
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#60
Diethylphthalate
Concen: 53.038 ng
RT: 10.310 min Scan# 1397
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

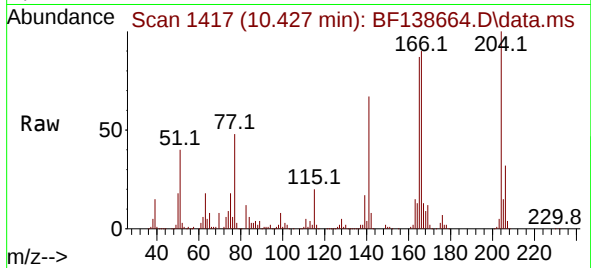
Tgt Ion:149 Resp: 386505
Ion Ratio Lower Upper
149 100
177 22.8 18.5 27.7
150 12.9 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 47.635 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.018 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

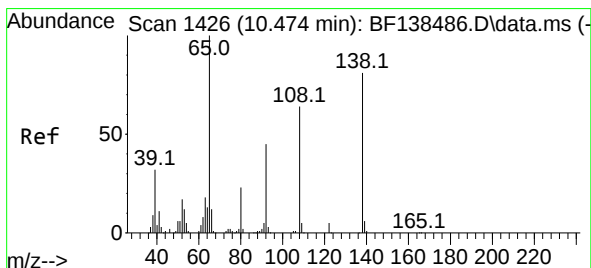
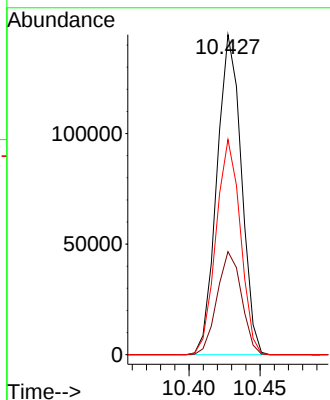
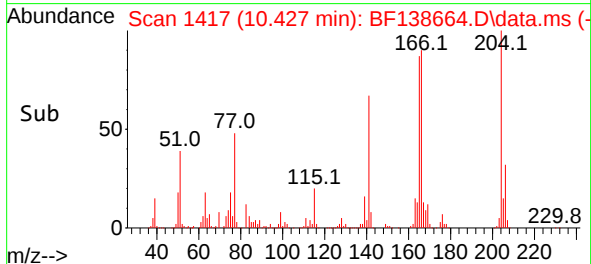
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



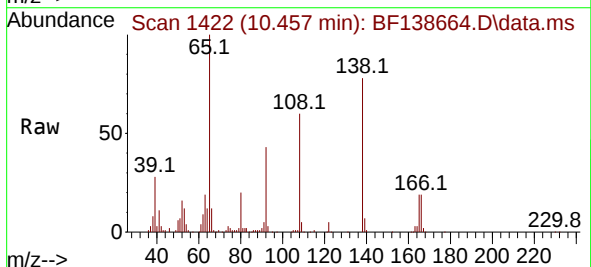
Tgt Ion:204 Resp: 173400
Ion Ratio Lower Upper
204 100
206 32.2 25.6 38.4
141 67.2 47.7 71.5

Manual Integrations
APPROVED

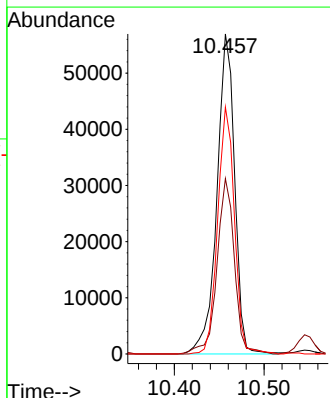
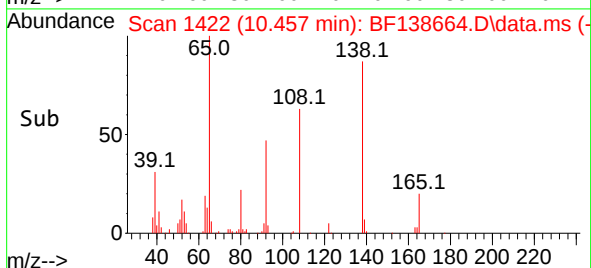
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024

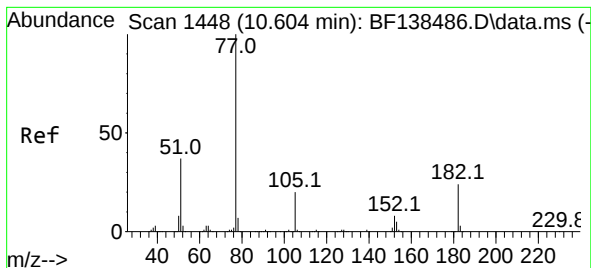


#62
4-Nitroaniline
Concen: 43.720 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.018 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53



Tgt Ion:138 Resp: 78154
Ion Ratio Lower Upper
138 100
92 54.8 35.8 75.8
108 77.2 59.8 99.8





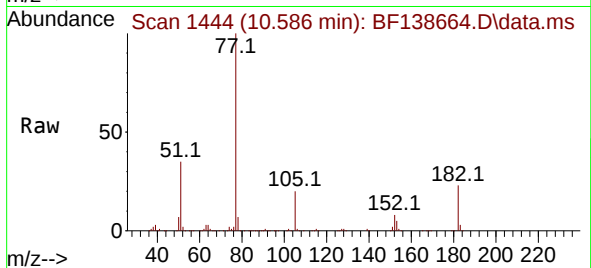
#63
Azobenzene
Concen: 49.481 ng
RT: 10.586 min Scan# 1444
Delta R.T. -0.018 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

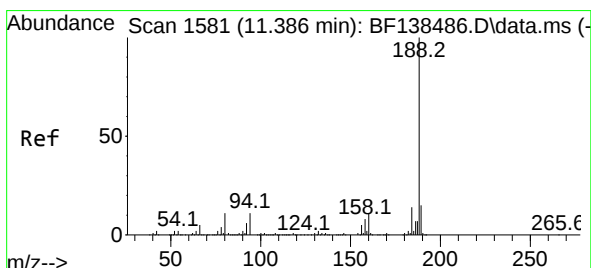
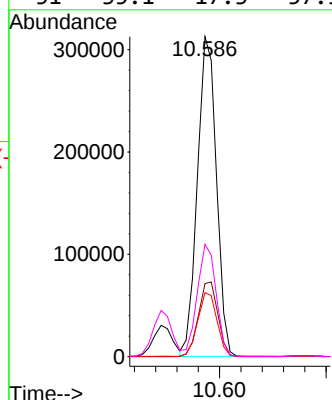
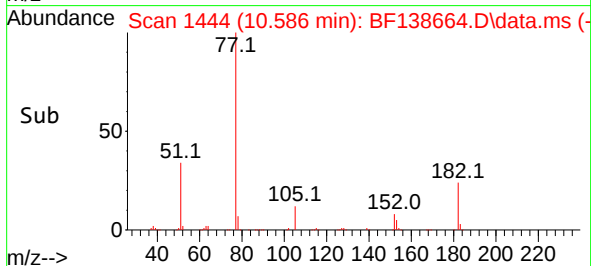


Tgt Ion: 77 Resp: 387684
Ion Ratio Lower Upper
77 100
182 22.8 3.8 43.8
105 20.0 0.0 39.8
51 35.1 17.3 57.3

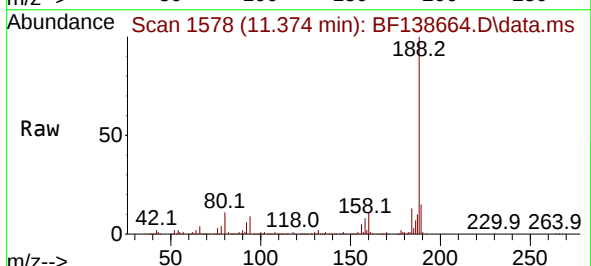
Manual Integrations

APPROVED

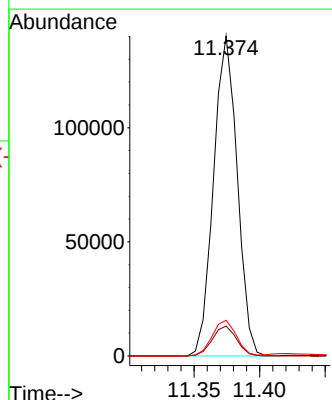
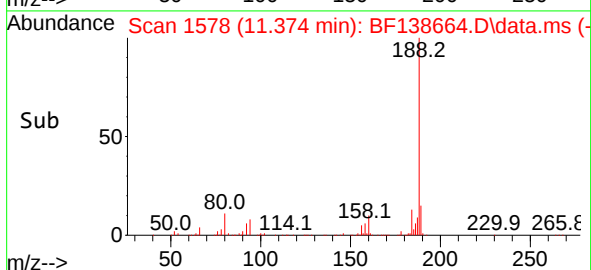
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024

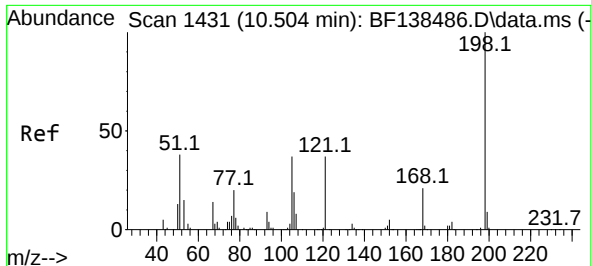


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1578
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53



Tgt Ion:188 Resp: 175836
Ion Ratio Lower Upper
188 100
94 9.3 8.7 13.1
80 11.2 9.0 13.4





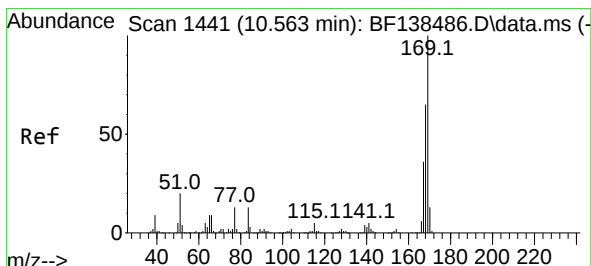
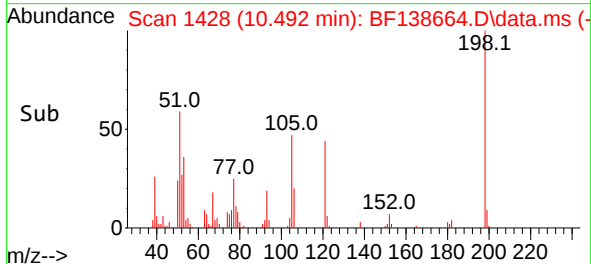
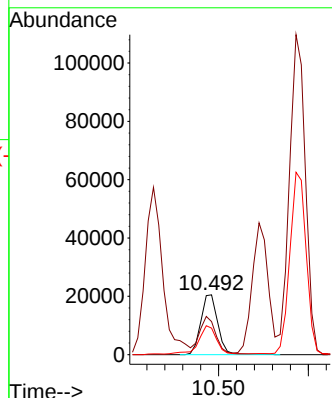
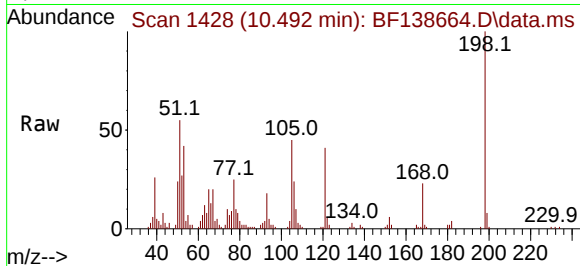
#65
4,6-Dinitro-2-methylphenol
Concen: 26.589 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion:198 Resp: 26990
Ion Ratio Lower Upper
198 100
51 55.5 27.2 67.2
105 44.5 18.5 58.5

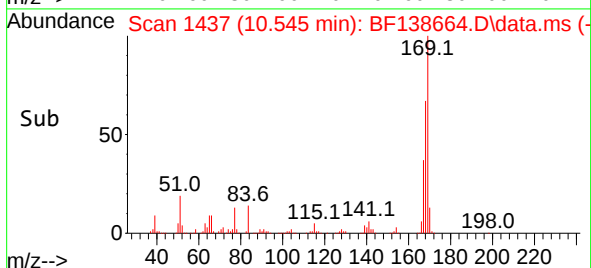
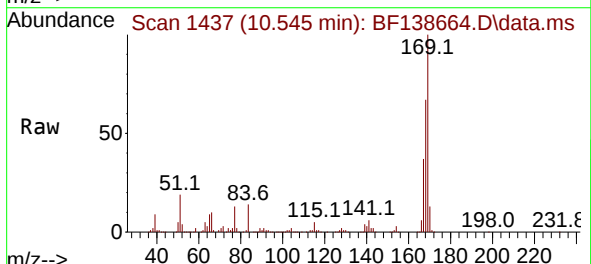
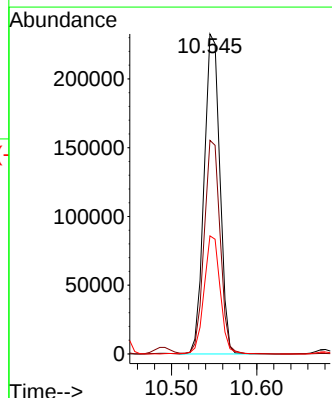
Manual Integrations
APPROVED

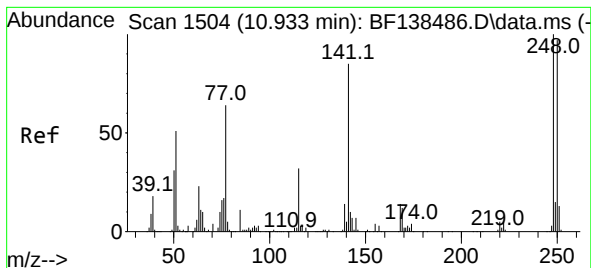
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#66
n-Nitrosodiphenylamine
Concen: 56.635 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.018 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

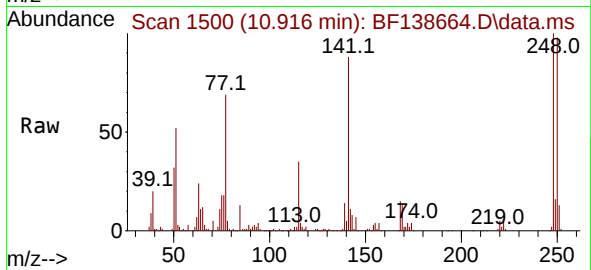
Tgt Ion:169 Resp: 298365
Ion Ratio Lower Upper
169 100
168 66.8 51.7 77.5
167 36.9 28.5 42.7





#67
4-Bromophenyl-phenylether
Concen: 52.341 ng
RT: 10.916 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

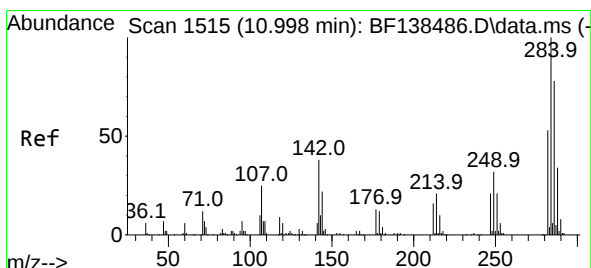
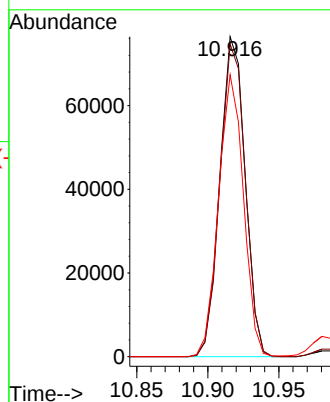
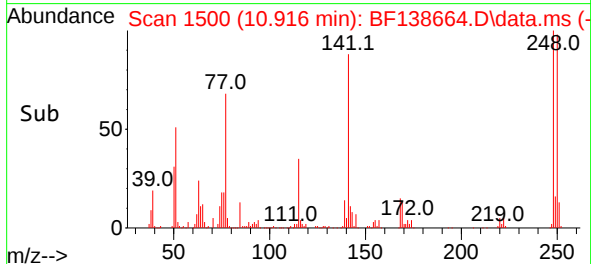
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



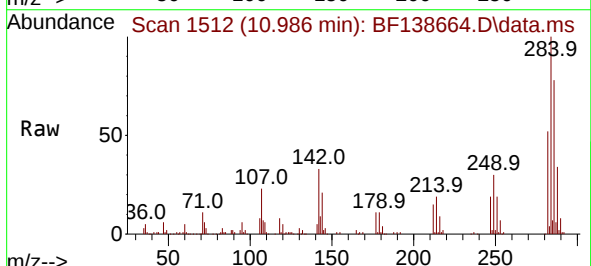
Tgt Ion:248 Resp: 94594
Ion Ratio Lower Upper
248 100
250 97.7 77.9 116.9
141 88.1 67.7 101.5

Manual Integrations
APPROVED

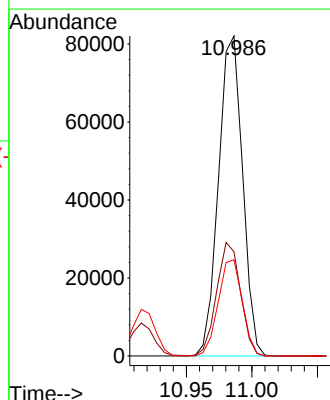
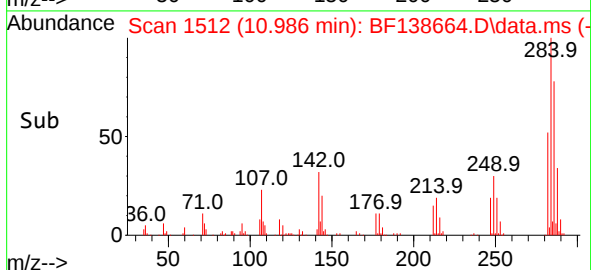
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#68
Hexachlorobenzene
Concen: 52.107 ng
RT: 10.986 min Scan# 1512
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53



Tgt Ion:284 Resp: 104616
Ion Ratio Lower Upper
284 100
142 32.6 30.5 45.7
249 30.1 25.9 38.9





#69

Atrazine

Concen: 50.344 ng

RT: 11.074 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF138664.D

Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tgt Ion:200 Resp: 87932

Ion Ratio Lower Upper

200 100

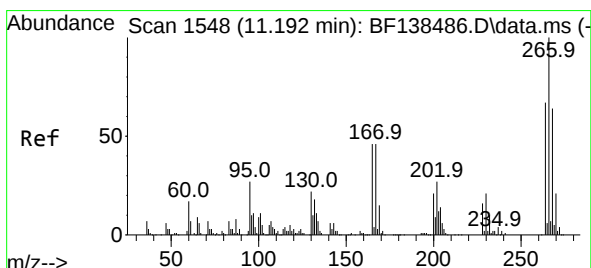
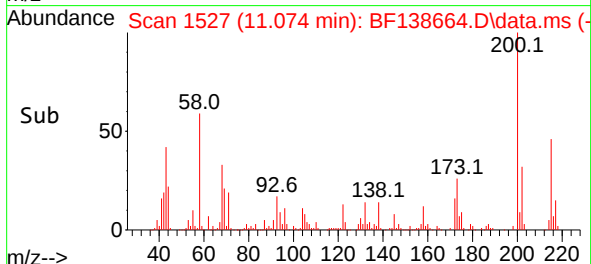
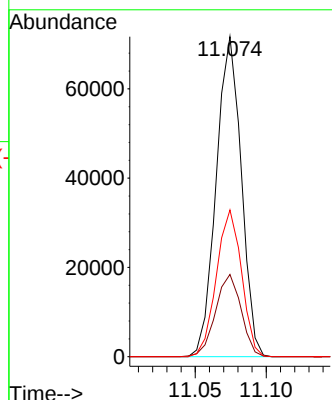
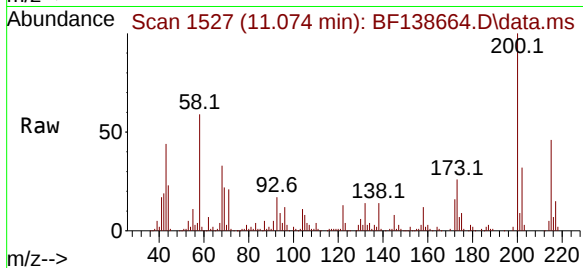
173 25.7 4.1 44.1

215 45.9 26.5 66.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#70

Pentachlorophenol

Concen: 93.163 ng

RT: 11.180 min Scan# 1545

Delta R.T. -0.012 min

Lab File: BF138664.D

Acq: 25 Jul 2024 20:53

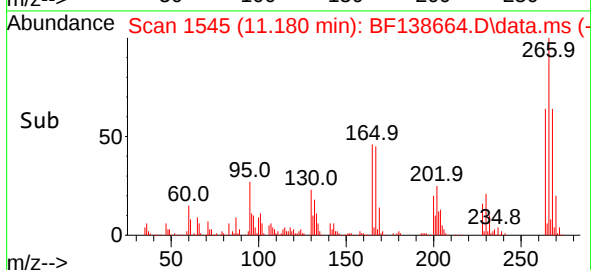
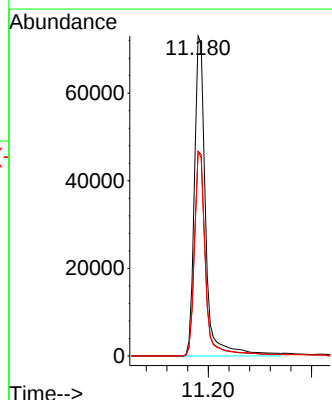
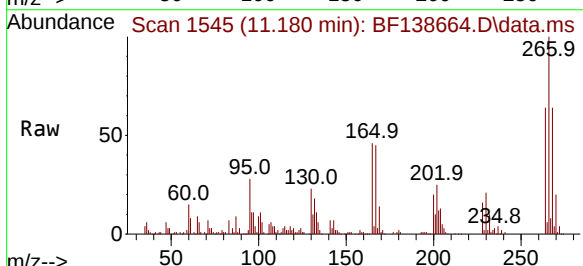
Tgt Ion:266 Resp: 110681

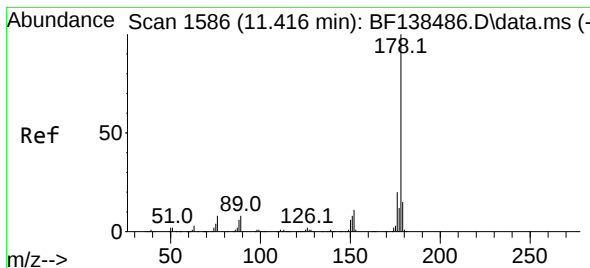
Ion Ratio Lower Upper

266 100

268 64.0 50.9 76.3

264 63.9 53.5 80.3





#71

Phenanthrene

Concen: 61.432 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.018 min

Lab File: BF138664.D

Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

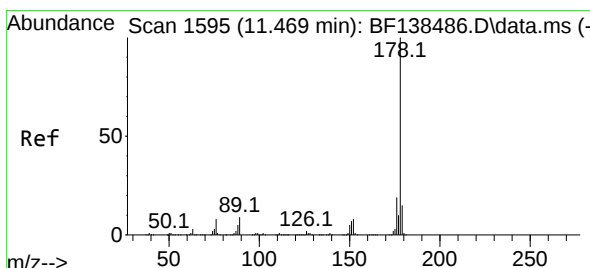
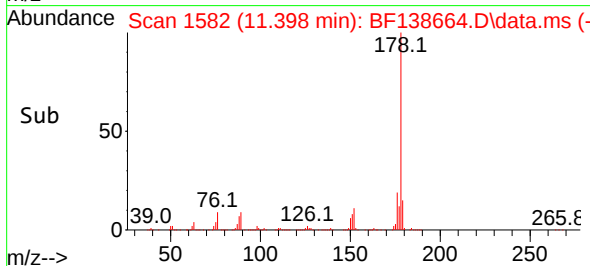
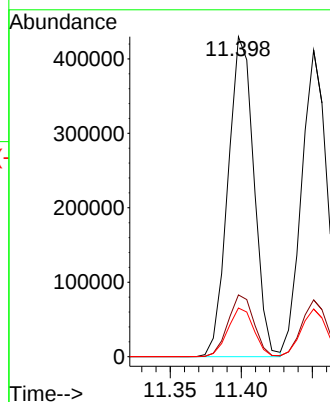
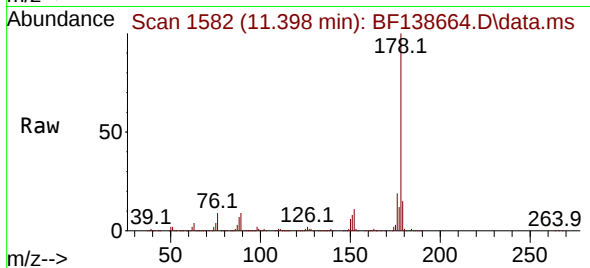
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Tgt Ion:178	Resp: 54572
Ion Ratio	Lower Upper
178	100
176	19.3 15.7 23.5
179	15.2 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#72

Anthracene

Concen: 57.629 ng

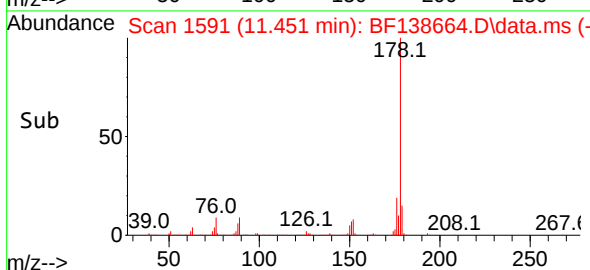
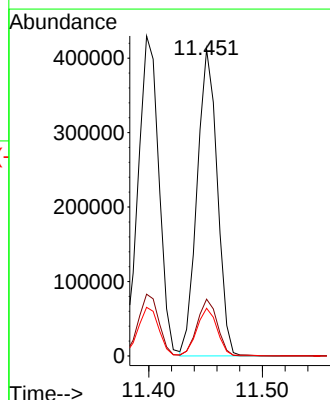
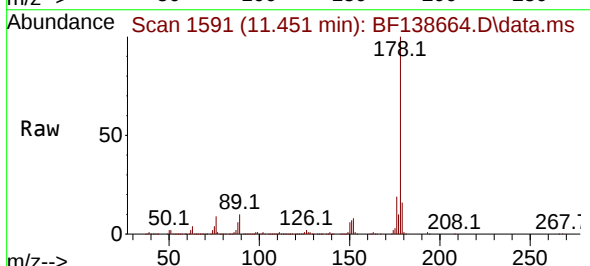
RT: 11.451 min Scan# 1591

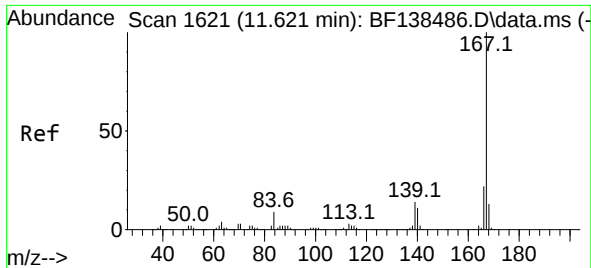
Delta R.T. -0.018 min

Lab File: BF138664.D

Acq: 25 Jul 2024 20:53

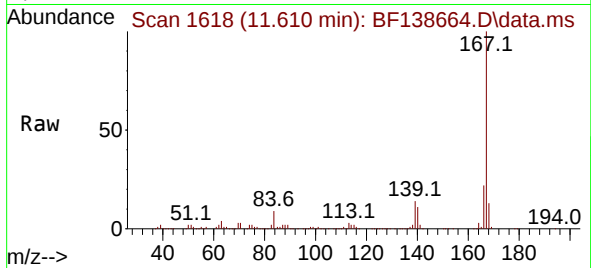
Tgt Ion:178	Resp: 508185
Ion Ratio	Lower Upper
178	100
176	18.5 14.8 22.2
179	15.6 12.2 18.4





#73
 Carbazole
 Concen: 57.218 ng
 RT: 11.610 min Scan# 1618
 Delta R.T. -0.012 min
 Lab File: BF138664.D
 Acq: 25 Jul 2024 20:53

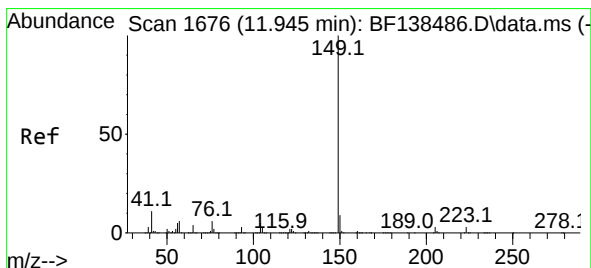
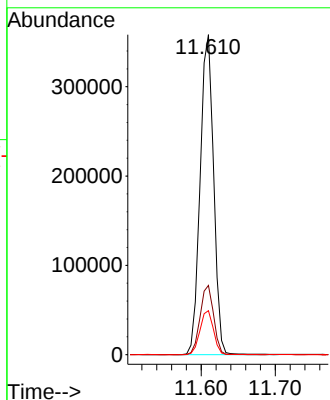
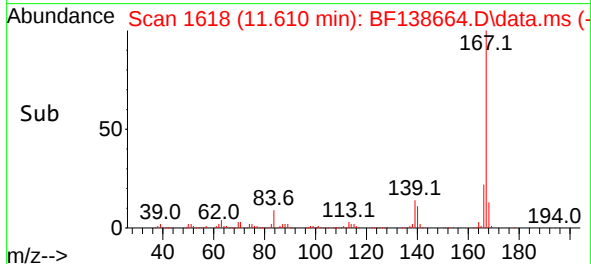
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD



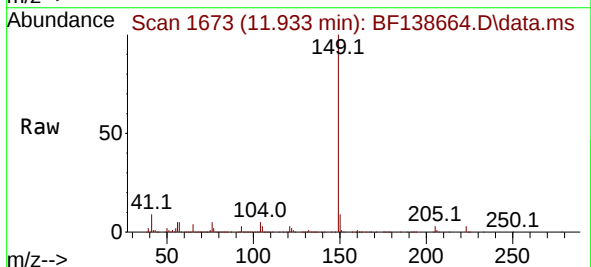
Tgt Ion:167 Resp: 453434
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.8 26.6
 139 13.8 11.0 16.4

Manual Integrations
 APPROVED

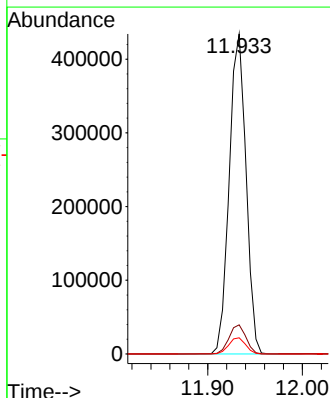
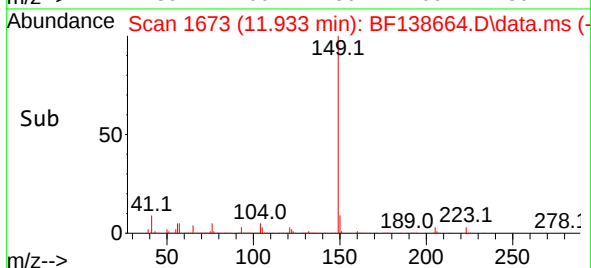
Reviewed By :Jagrut Upadhyay 07/26/2024
 Supervised By :mohammad ahmed 07/27/2024

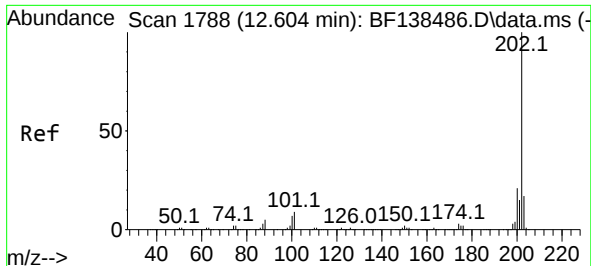


#74
 Di-n-butylphthalate
 Concen: 58.594 ng
 RT: 11.933 min Scan# 1673
 Delta R.T. -0.012 min
 Lab File: BF138664.D
 Acq: 25 Jul 2024 20:53



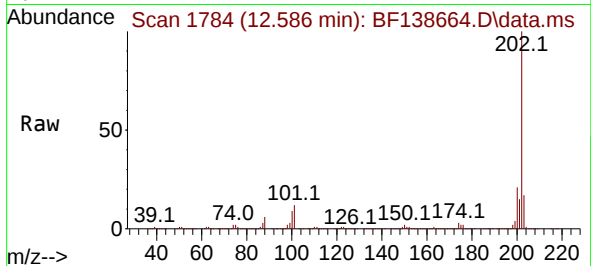
Tgt Ion:149 Resp: 535231
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 5.1 4.4 6.6





#75
Fluoranthene
Concen: 71.781 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

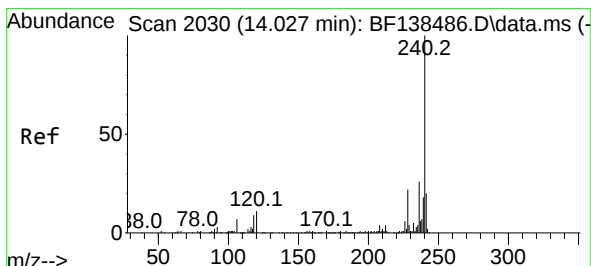
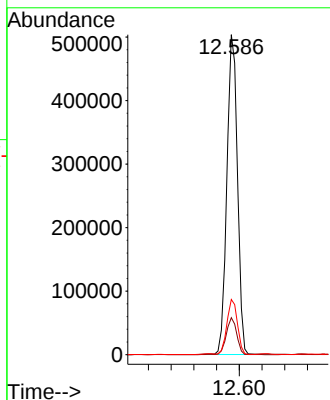
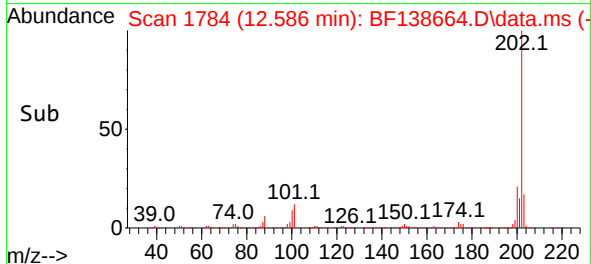
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



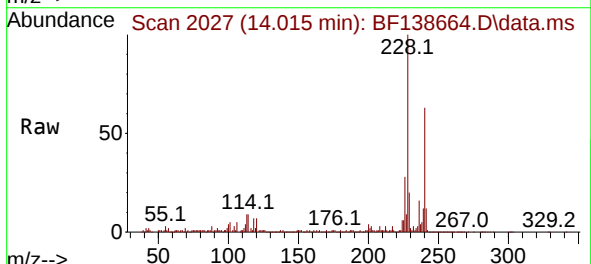
Tgt Ion:202 Resp: 65066
Ion Ratio Lower Upper
202 100
101 11.6 0.0 29.2
203 17.3 0.0 37.3

Manual Integrations
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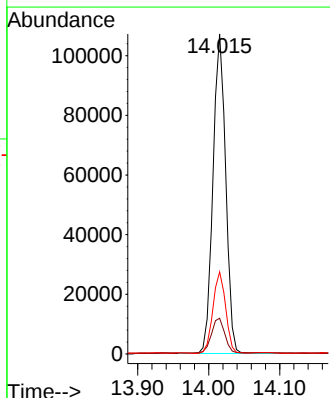
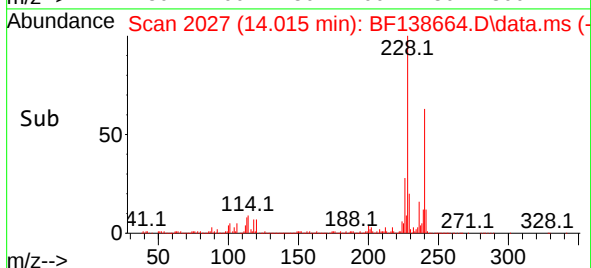
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024

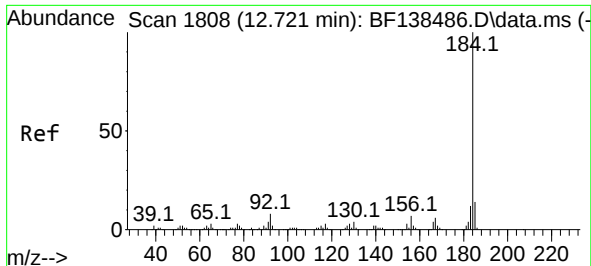


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53



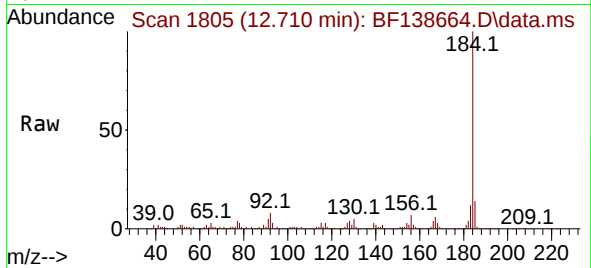
Tgt Ion:240 Resp: 133184
Ion Ratio Lower Upper
240 100
120 11.2 8.6 12.8
236 25.7 21.0 31.6





#77
Benzidine
Concen: 64.297 ng
RT: 12.710 min Scan# 1805
Delta R.T. -0.011 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

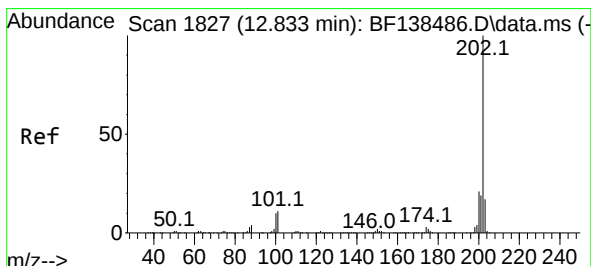
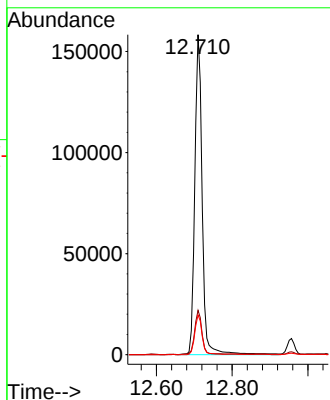
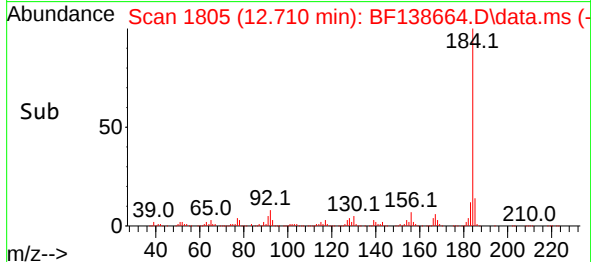
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



Tgt Ion:184 Resp: 21605
Ion Ratio Lower Upper
184 100
185 13.9 11.3 16.9
183 12.4 9.5 14.3

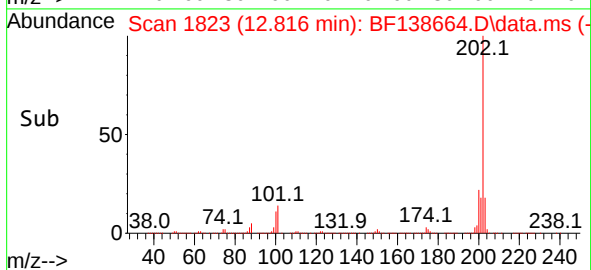
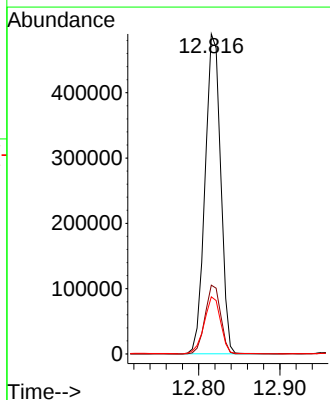
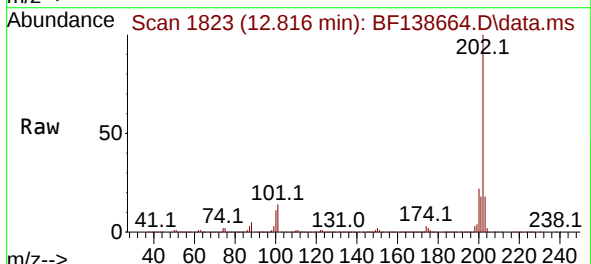
Manual Integrations
APPROVED

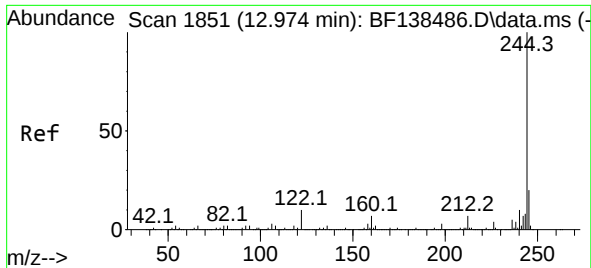
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#78
Pyrene
Concen: 48.054 ng
RT: 12.816 min Scan# 1823
Delta R.T. -0.018 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Tgt Ion:202 Resp: 649693
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 17.9 13.7 20.5





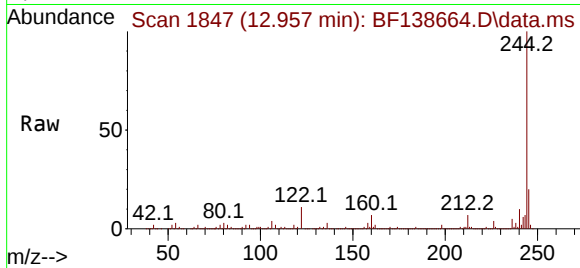
#79
 Terphenyl-d14
 Concen: 83.636 ng
 RT: 12.957 min Scan# 1847
 Delta R.T. -0.018 min
 Lab File: BF138664.D
 Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

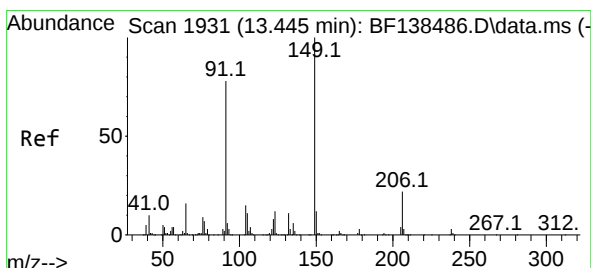
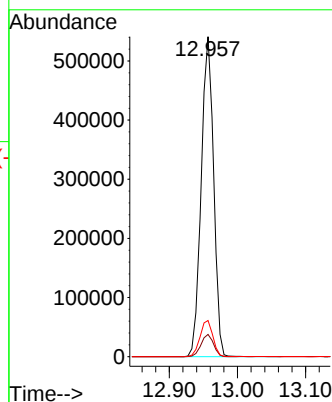
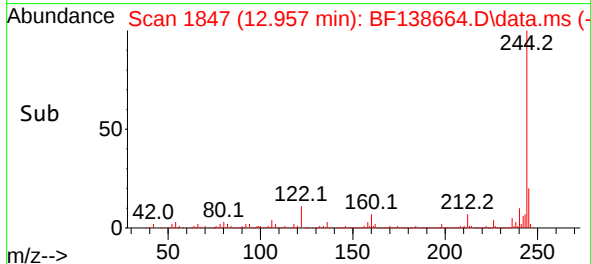


Tgt Ion:244 Resp: 683739
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 11.3 7.8 11.8

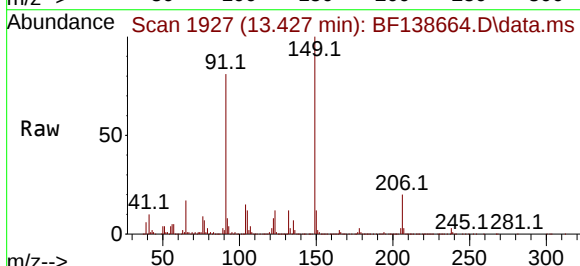
Manual Integrations

APPROVED

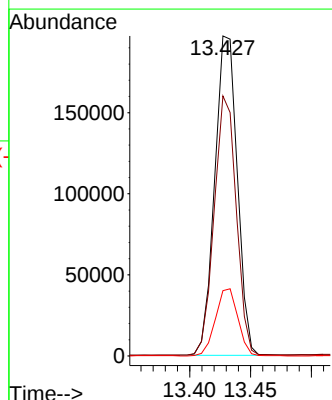
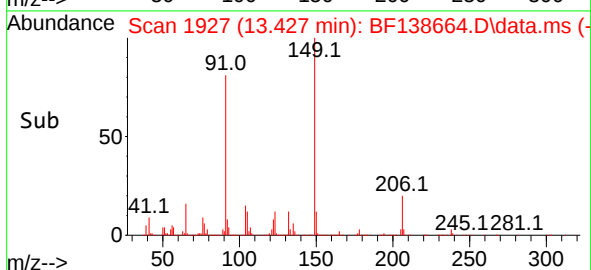
Reviewed By :Jagrut Upadhyay 07/26/2024
 Supervised By :mohammad ahmed 07/27/2024

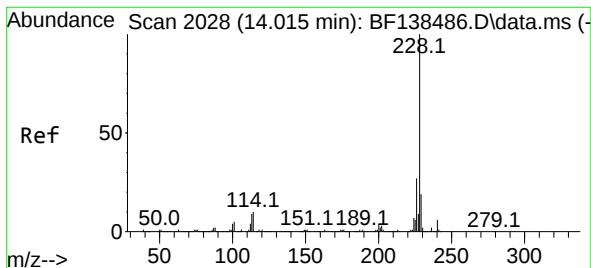


#80
 Butylbenzylphthalate
 Concen: 62.547 ng
 RT: 13.427 min Scan# 1927
 Delta R.T. -0.018 min
 Lab File: BF138664.D
 Acq: 25 Jul 2024 20:53



Tgt Ion:149 Resp: 254382
 Ion Ratio Lower Upper
 149 100
 91 81.3 62.1 93.1
 206 20.4 18.0 27.0





#81
Benzo(a)anthracene
Concen: 59.284 ng
RT: 14.004 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

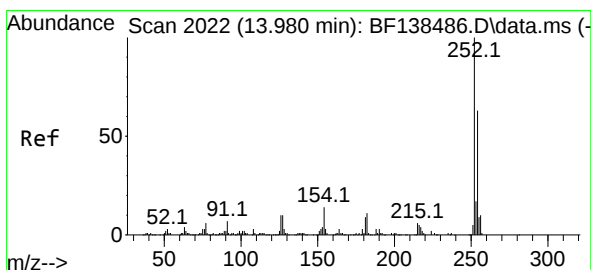
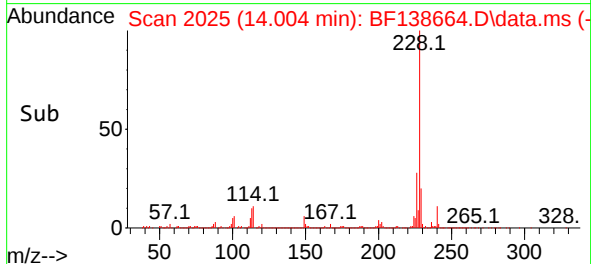
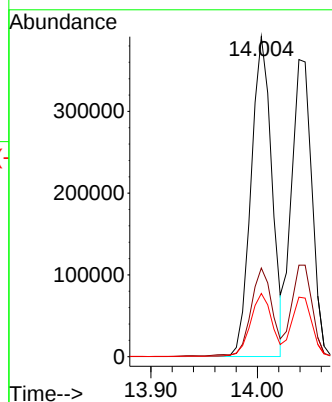
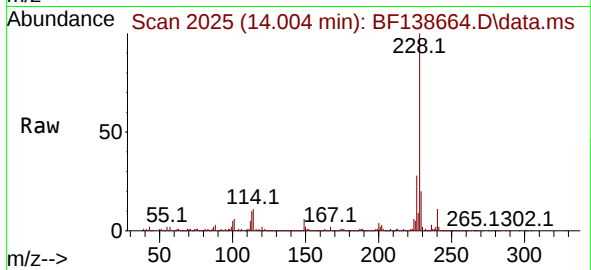
SOIL-COMPMSD

Tgt Ion:228 Resp: 52980
Ion Ratio Lower Upper
228 100
226 27.7 21.9 32.9
229 19.8 15.5 23.3

Manual Integrations

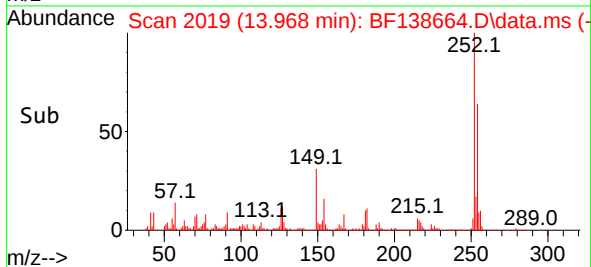
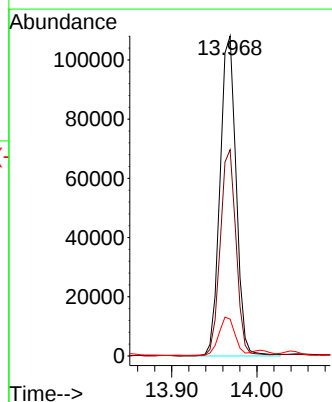
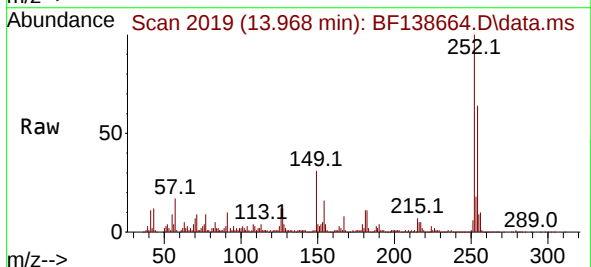
APPROVED

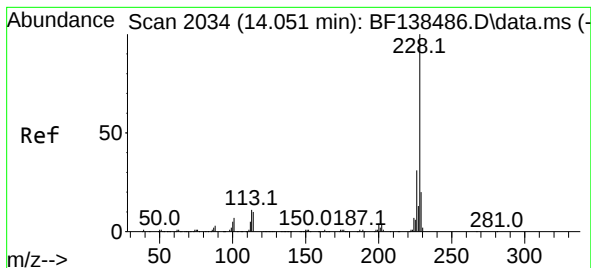
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#82
3,3'-Dichlorobenzidine
Concen: 61.748 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Tgt Ion:252 Resp: 142191
Ion Ratio Lower Upper
252 100
254 64.4 50.3 75.5
126 11.5 8.1 12.1





#83

Chrysene

Concen: 56.812 ng

RT: 14.039 min Scan# 2034

Delta R.T. -0.012 min

Lab File: BF138664.D

Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tgt Ion:228 Resp: 480298

Ion Ratio Lower Upper

228 100

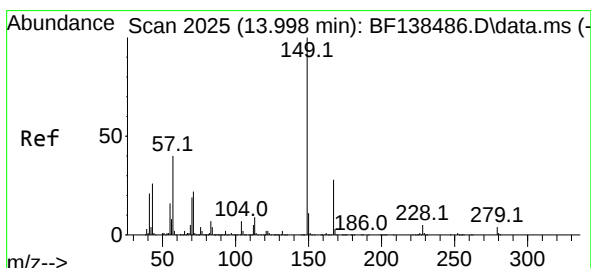
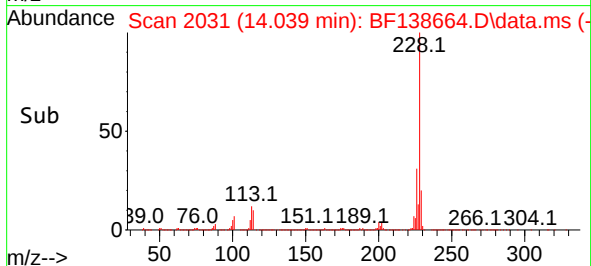
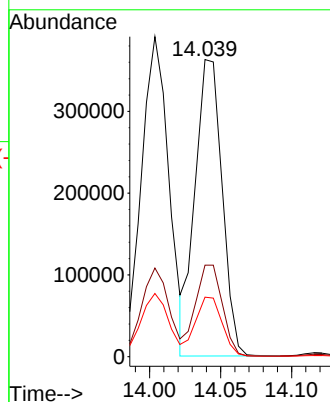
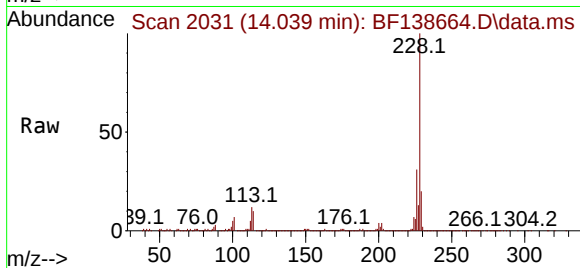
226 30.8 24.4 36.6

229 20.0 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 81.176 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.012 min

Lab File: BF138664.D

Acq: 25 Jul 2024 20:53

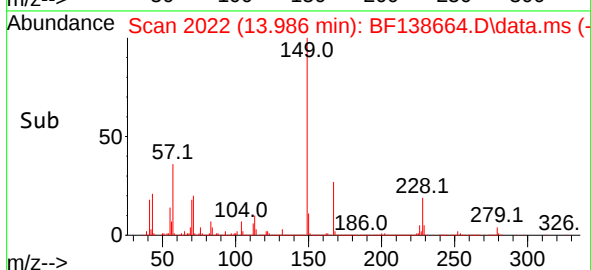
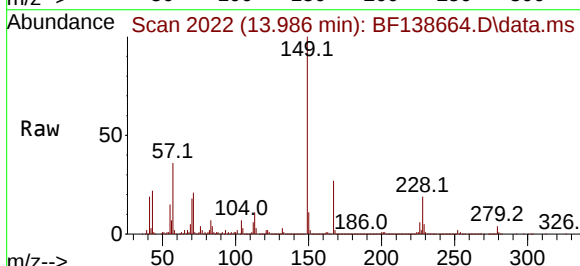
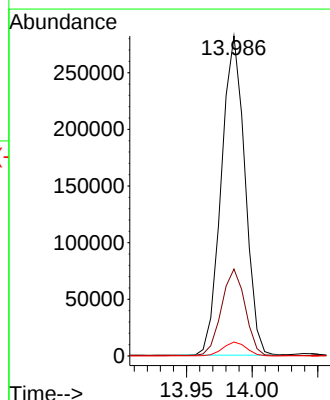
Tgt Ion:149 Resp: 352110

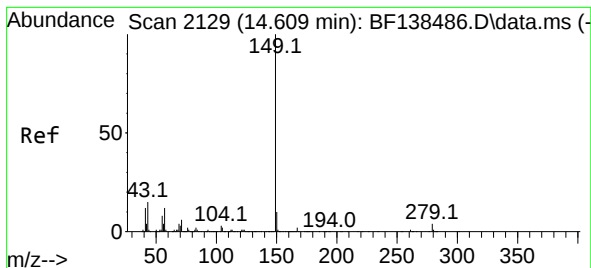
Ion Ratio Lower Upper

149 100

167 27.1 22.5 33.7

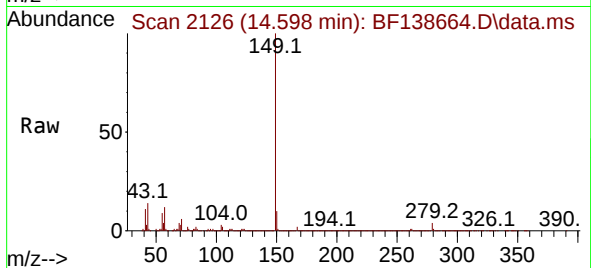
279 4.3 3.0 4.6





#85
Di-n-octyl phthalate
Concen: 81.033 ng
RT: 14.598 min Scan# 2126
Delta R.T. -0.011 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

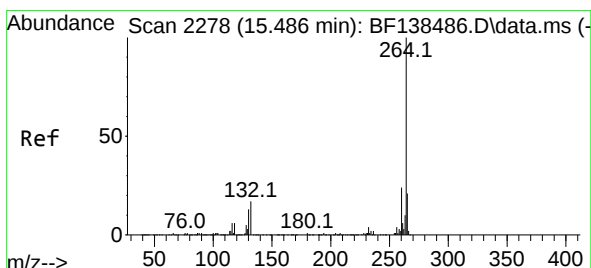
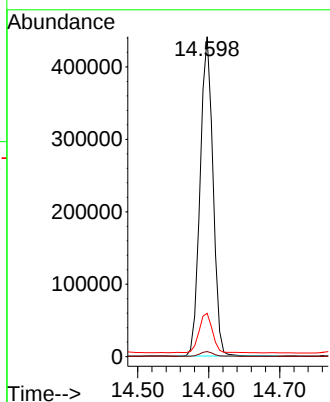
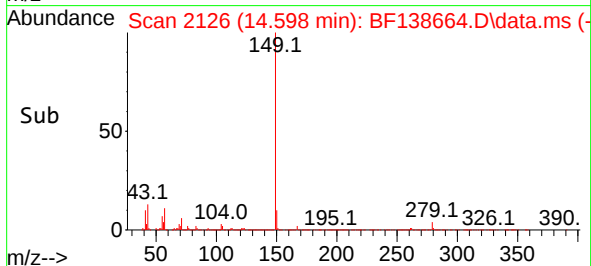
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



Tgt Ion:149 Resp: 555260
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 13.1 10.7 16.1

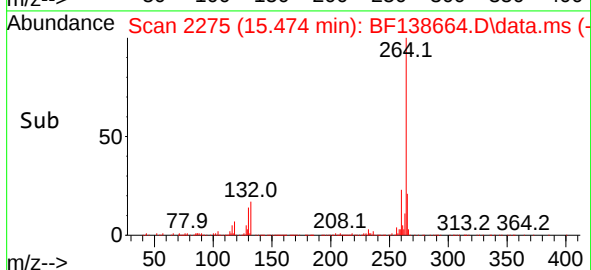
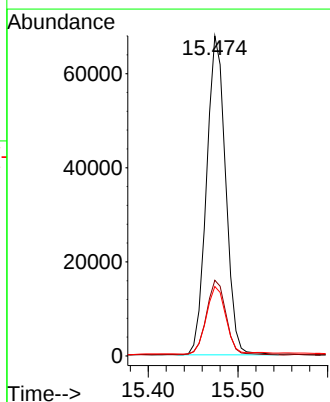
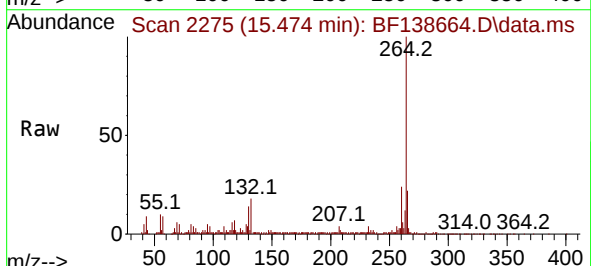
Manual Integrations
APPROVED

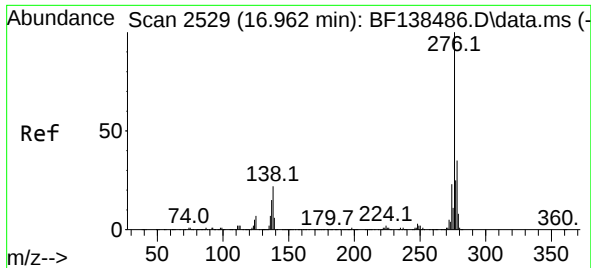
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2275
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Tgt Ion:264 Resp: 100056
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.6
265 21.7 17.0 25.4





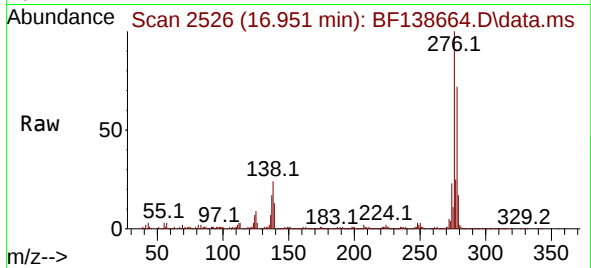
#87
Indeno(1,2,3-cd)pyrene
Concen: 49.678 ng
RT: 16.951 min Scan# 2100
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

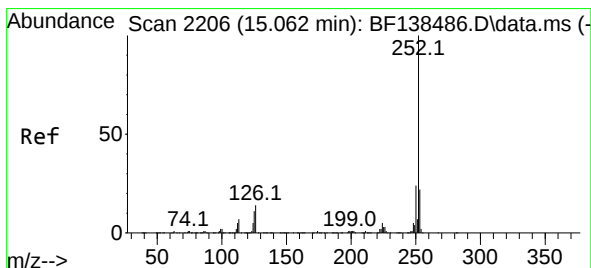
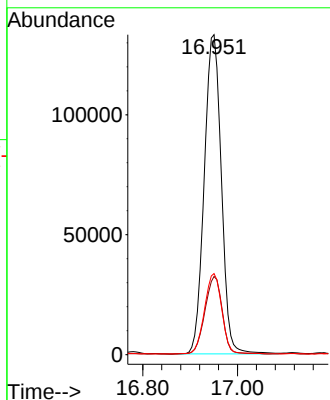
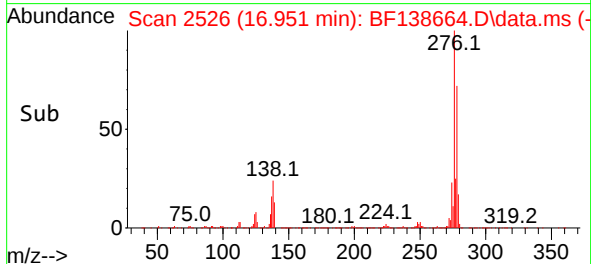


Tgt Ion: 276 Resp: 33387
Ion Ratio Lower Upper
276 100
138 24.6 19.6 29.4
277 25.5 20.5 30.7

Manual Integrations

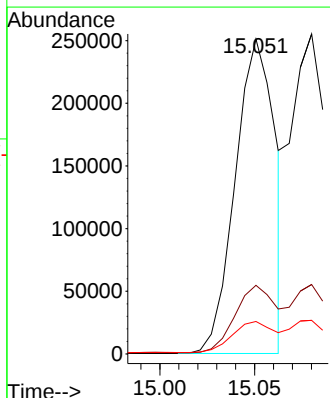
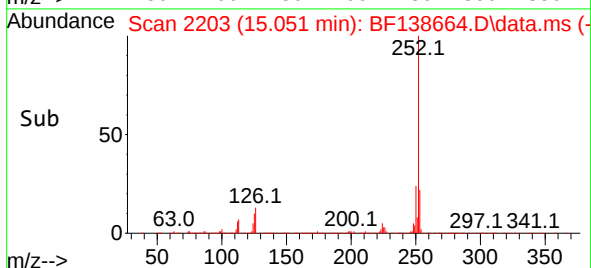
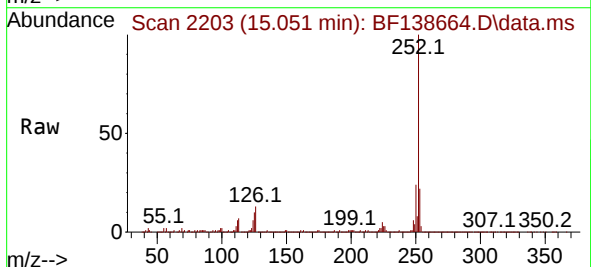
APPROVED

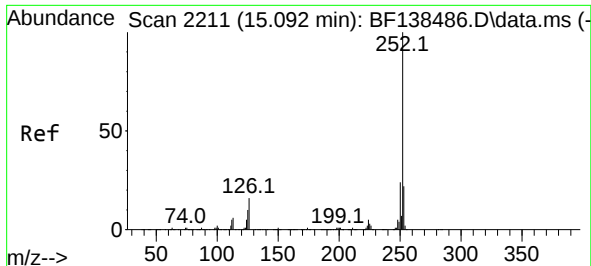
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#88
Benzo(b)fluoranthene
Concen: 65.153 ng
RT: 15.051 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Tgt Ion: 252 Resp: 367129
Ion Ratio Lower Upper
252 100
253 21.8 17.3 25.9
125 10.3 8.6 13.0





#89
Benzo(k)fluoranthene
Concen: 62.840 ng m
RT: 15.080 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

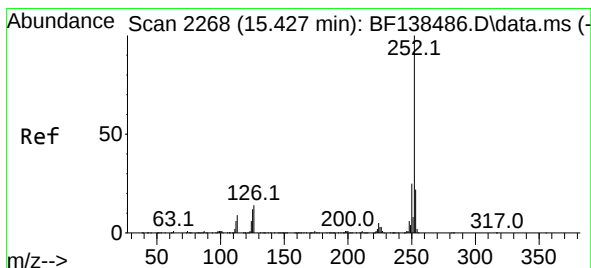
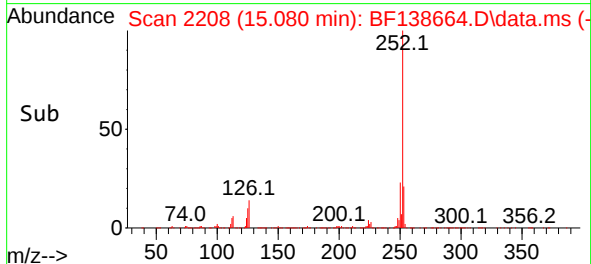
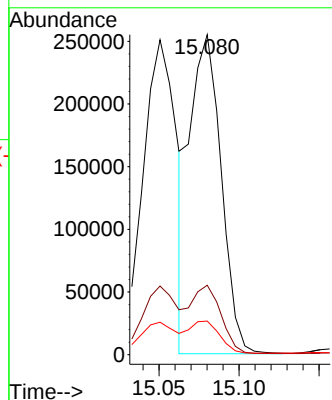
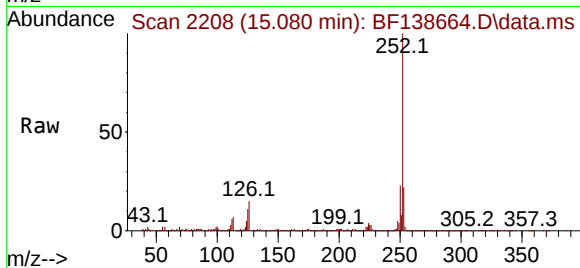
SOIL-COMPMSD

Tgt Ion:252 Resp: 34534
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 10.5 8.1 12.1

Manual Integrations

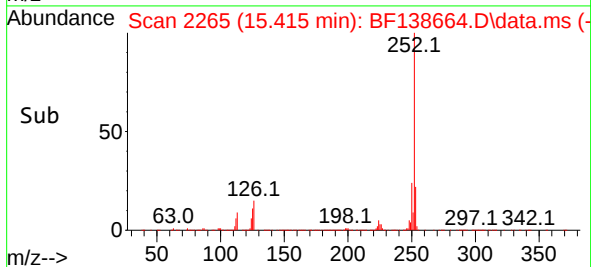
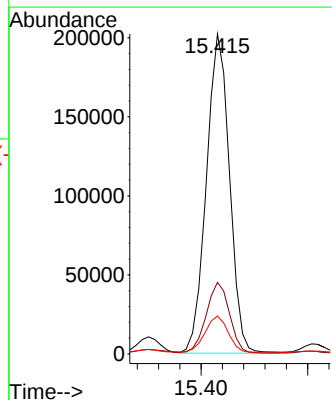
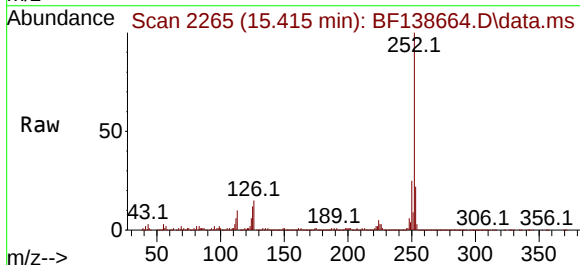
APPROVED

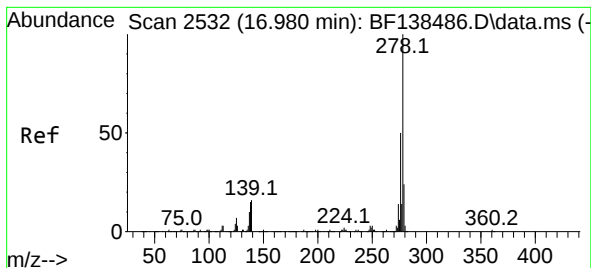
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#90
Benzo(a)pyrene
Concen: 61.485 ng
RT: 15.415 min Scan# 2265
Delta R.T. -0.012 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Tgt Ion:252 Resp: 304351
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 11.9 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 47.073 ng
RT: 16.962 min Scan# 25879
Delta R.T. -0.018 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Instrument :

BNA_F

ClientSampleId :

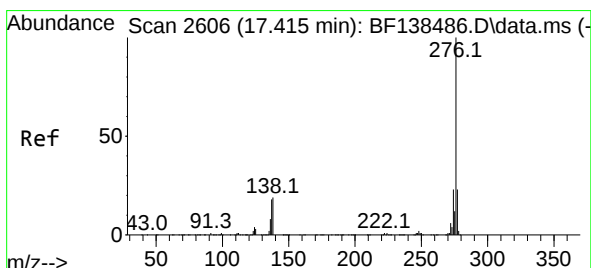
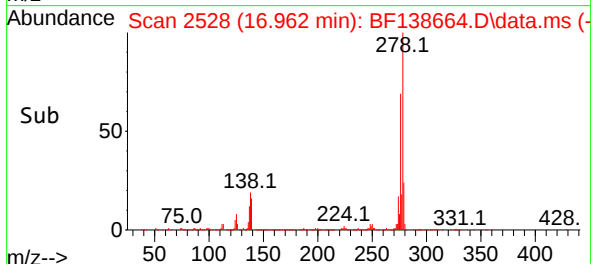
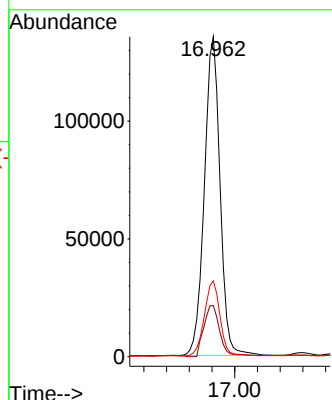
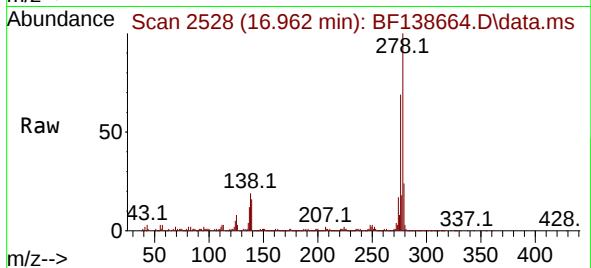
SOIL-COMPMSD

Tgt Ion:278 Resp: 25879
Ion Ratio Lower Upper
278 100
139 16.0 12.8 19.2
279 23.7 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#92
Benzo(g,h,i)perylene
Concen: 45.034 ng
RT: 17.392 min Scan# 2601
Delta R.T. -0.023 min
Lab File: BF138664.D
Acq: 25 Jul 2024 20:53

Tgt Ion:276 Resp: 262533
Ion Ratio Lower Upper
276 100
277 23.0 18.0 27.0
138 21.4 15.5 23.3

