

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140242.D
 Acq On : 05 Nov 2024 17:30
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-10 PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Quant Time: Nov 05 23:43:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 23:41:33 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
 Supervised By :mohammad ahmed 11/06/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	299708	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	1156012	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	689735	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	1228038	20.000	ng	0.00
76) Chrysene-d12	14.057	240	796087	20.000	ng	0.00
86) Perylene-d12	15.563	264	682298	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1536165	84.941	ng	0.00
7) Phenol-d6	6.510	99	2064402	88.746	ng	0.00
23) Nitrobenzene-d5	7.440	82	1493532	64.235	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	680272	99.781	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	2619565	60.645	ng	0.00
79) Terphenyl-d14	12.998	244	2831203	58.258	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	71702	8.624	ng	97
3) Pyridine	3.469	79	158054m	7.791	ng	
4) n-Nitrosodimethylamine	3.369	42	103929	8.873	ng	95
6) Aniline	6.545	93	249537	11.873	ng	98
8) 2-Chlorophenol	6.663	128	184770	9.765	ng	91
9) Benzaldehyde	6.428	77	170372	11.890	ng	97
10) Phenol	6.522	94	242085	9.799	ng	90
11) bis(2-Chloroethyl)ether	6.616	93	191028	10.179	ng	97
12) 1,3-Dichlorobenzene	6.816	146	211493	9.538	ng	98
13) 1,4-Dichlorobenzene	6.893	146	213579	9.550	ng	99
14) 1,2-Dichlorobenzene	7.051	146	197145	9.438	ng	99
15) Benzyl Alcohol	7.010	79	200150	11.161	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	311213	10.244	ng	99
17) 2-Methylphenol	7.122	107	149849	9.493	ng	98
18) Hexachloroethane	7.387	117	78141	9.380	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	150028	10.110	ng	98
20) 3+4-Methylphenols	7.275	107	196566	9.915	ng	93
22) Acetophenone	7.281	105	285686	9.968	ng	95
24) Nitrobenzene	7.457	77	219291	8.988	ng	99
25) Isophorone	7.692	82	389759	9.735	ng	99
26) 2-Nitrophenol	7.769	139	95315	9.821	ng	99
27) 2,4-Dimethylphenol	7.804	122	82844	6.275	ng	97
28) bis(2-Chloroethoxy)met...	7.904	93	228974	9.557	ng	99
29) 2,4-Dichlorophenol	8.010	162	160876	9.849	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	183459	9.373	ng	99
31) Naphthalene	8.181	128	568987	9.532	ng	99
32) Benzoic acid	7.898	122	130368	12.032	ng	96
33) 4-Chloroaniline	8.222	127	205593	10.462	ng	99
34) Hexachlorobutadiene	8.292	225	118705	8.960	ng	99
35) Caprolactam	8.575	113	49197	9.901	ng	97
36) 4-Chloro-3-methylphenol	8.698	107	173047	9.516	ng	97
37) 2-Methylnaphthalene	8.869	142	383215	9.836	ng	98
38) 1-Methylnaphthalene	8.969	142	358223	9.381	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	196219	9.718	ng	99
41) Hexachlorocyclopentadiene	9.022	237	43187	7.633	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	117403	9.383	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	121249	9.216	ng	97
46) 1,1'-Biphenyl	9.334	154	487860	9.786	ng	99
47) 2-Chloronaphthalene	9.357	162	349133	9.304	ng	99
48) 2-Nitroaniline	9.451	65	118135	9.414	ng	99
49) Acenaphthylene	9.775	152	549973	10.353	ng	99
50) Dimethylphthalate	9.634	163	404547	9.524	ng	100
51) 2,6-Dinitrotoluene	9.692	165	91963	9.210	ng	99
52) Acenaphthene	9.951	154	375160	9.956	ng	98
53) 3-Nitroaniline	9.863	138	89605	9.531	ng	98
54) 2,4-Dinitrophenol	9.969	184	65541	15.893	ng	96
55) Dibenzofuran	10.122	168	523393	9.933	ng	99
56) 4-Nitrophenol	10.016	139	59397	8.985	ng	99
57) 2,4-Dinitrotoluene	10.098	165	120797	9.323	ng	94
58) Fluorene	10.463	166	401780	9.579	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	107854	10.007	ng	95
60) Diethylphthalate	10.339	149	405131	9.598	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	204357	9.668	ng	96
62) 4-Nitroaniline	10.475	138	86371	9.244	ng	98
63) Azobenzene	10.616	77	425328	9.720	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	57560	8.924	ng	95
66) n-Nitrosodiphenylamine	10.575	169	341344	9.664	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	127558	9.646	ng	100
68) Hexachlorobenzene	11.010	284	141697	9.400	ng	99
69) Atrazine	11.098	200	121759	12.600	ng	99
70) Pentachlorophenol	11.210	266	74631	9.220	ng	99
71) Phenanthrene	11.428	178	589788	10.064	ng	99
72) Anthracene	11.480	178	555413	9.665	ng	99
73) Carbazole	11.633	167	503979	9.598	ng	99
74) Di-n-butylphthalate	11.963	149	615349	9.900	ng	99
75) Fluoranthene	12.616	202	597859	9.756	ng	99
77) Benzidine	12.739	184	74885	4.811	ng	97
78) Pyrene	12.845	202	597495	9.090	ng	99
80) Butylbenzylphthalate	13.469	149	225425	9.524	ng	97
81) Benzo(a)anthracene	14.045	228	467617	9.153	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	143689	8.956	ng	99
83) Chrysene	14.080	228	459082	9.596	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	312388	9.417	ng	100
85) Di-n-octyl phthalate	14.669	149	466251	9.338	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	377617	9.429	ng	100
88) Benzo(b)fluoranthene	15.121	252	377825	9.155	ng	98
89) Benzo(k)fluoranthene	15.151	252	390127	10.302	ng	99
90) Benzo(a)pyrene	15.498	252	335541	9.861	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	305771	9.280	ng	100
92) Benzo(g,h,i)perylene	17.515	276	286705	8.529	ng	100

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

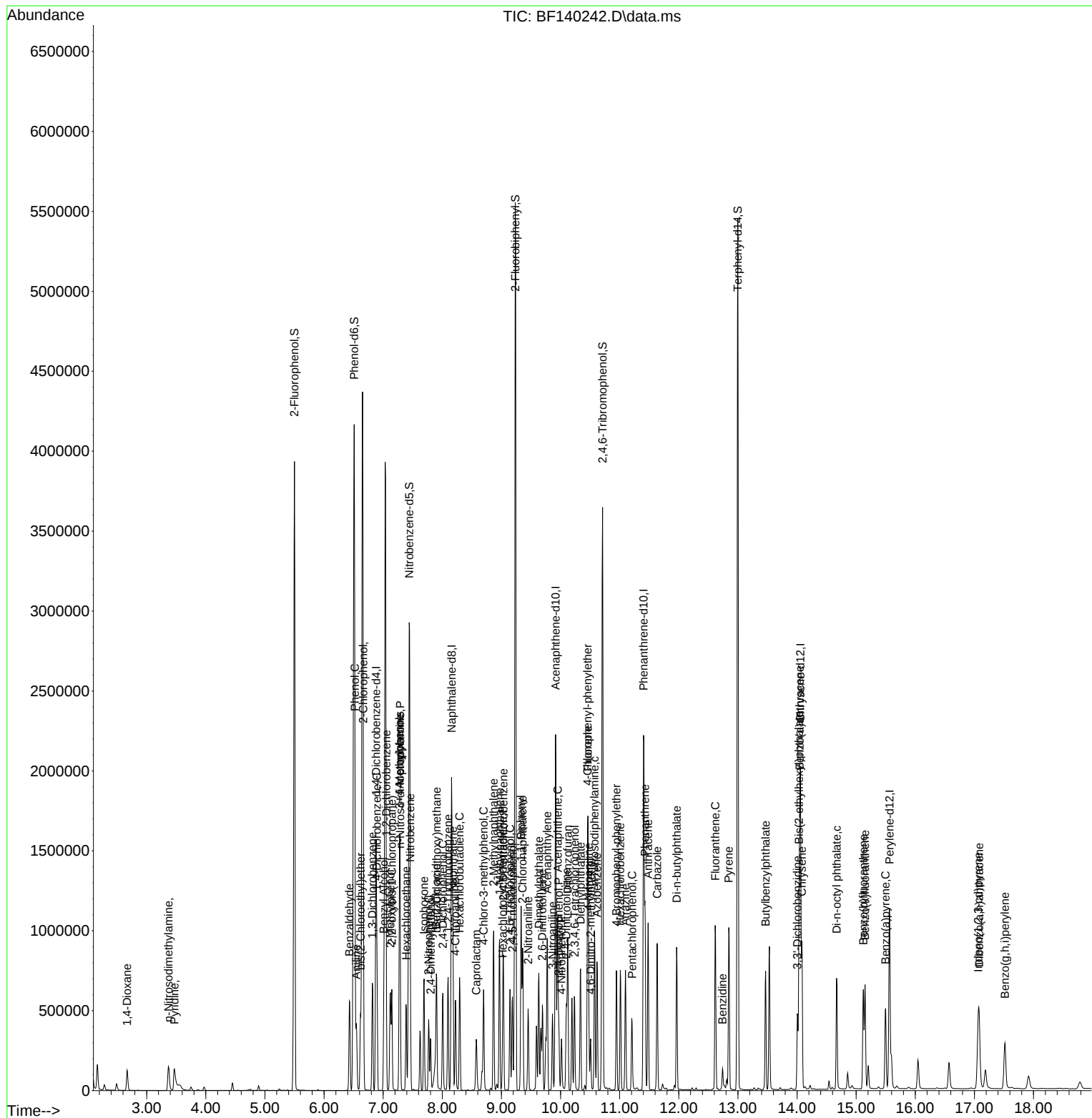
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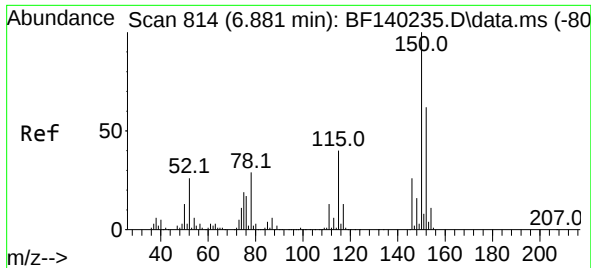
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ClientSampleId :
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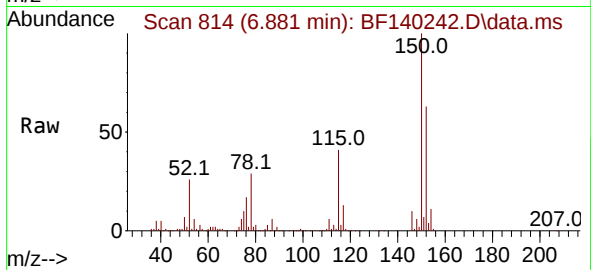
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

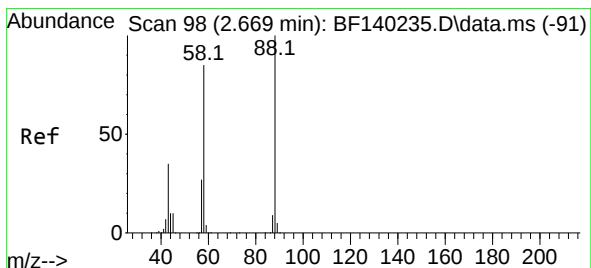
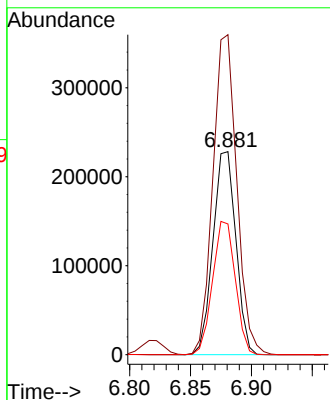
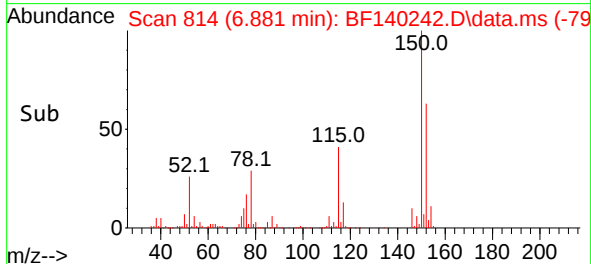
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:152 Resp: 299708
Ion Ratio Lower Upper
152 100
150 157.6 129.4 194.2
115 64.4 51.5 77.3

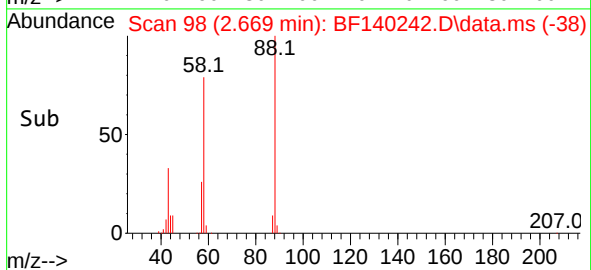
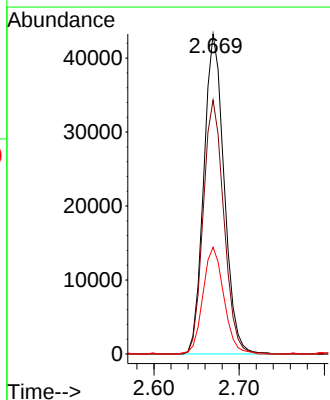
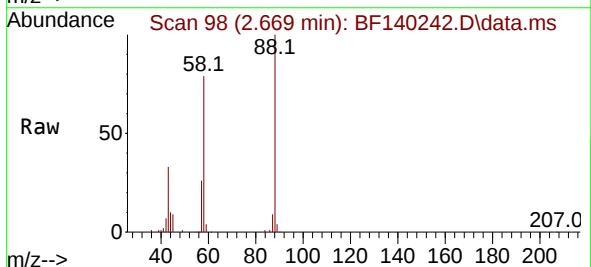
Manual Integrations
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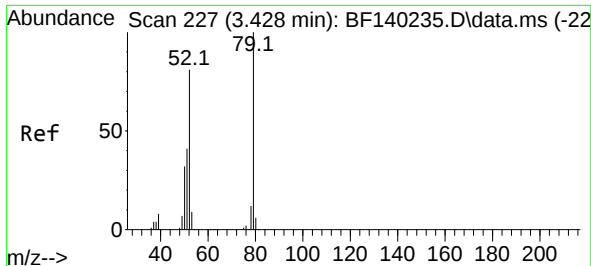
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#2
1,4-Dioxane
Concen: 8.624 ng
RT: 2.669 min Scan# 98
Delta R.T. 0.000 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

Tgt Ion: 88 Resp: 71702
Ion Ratio Lower Upper
88 100
58 80.3 66.7 100.1
43 34.3 27.8 41.8





#3

Pyridine

Concen: 7.791 ng m

RT: 3.469 min Scan# 217

Delta R.T. 0.041 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

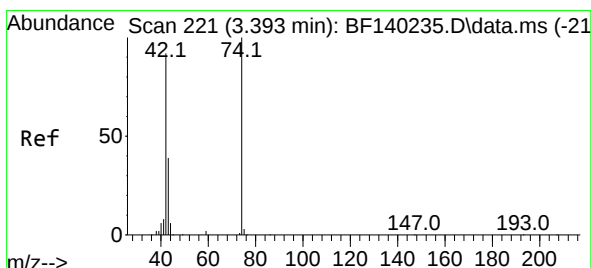
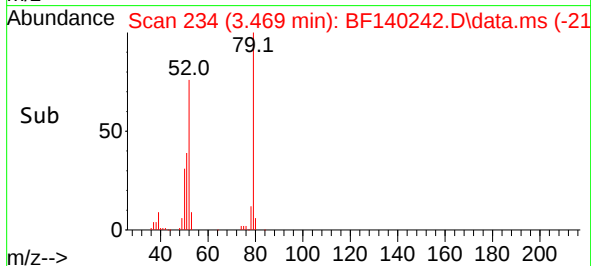
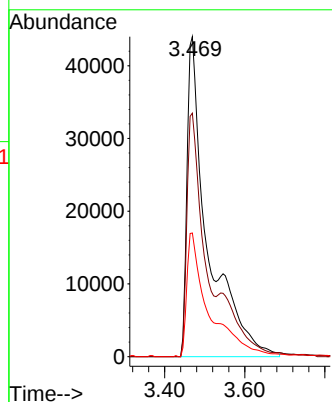
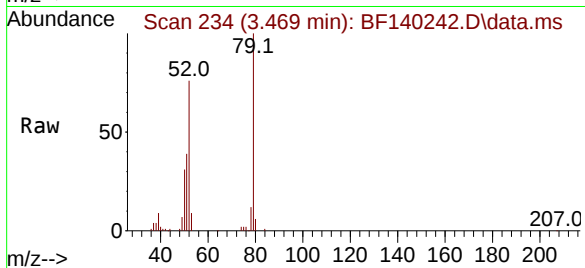
Tgt Ion: 79 Resp: 158054
 Ion Ratio Lower Upper
 79 100
 52 76.1 64.6 97.0
 51 38.6 32.5 48.7

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#4

n-Nitrosodimethylamine

Concen: 8.873 ng

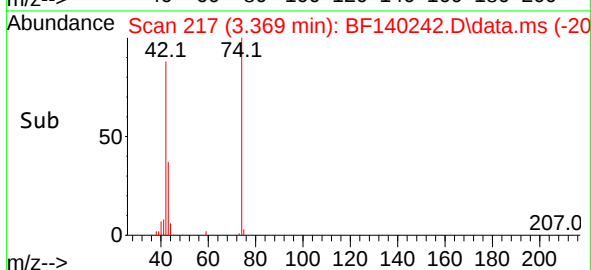
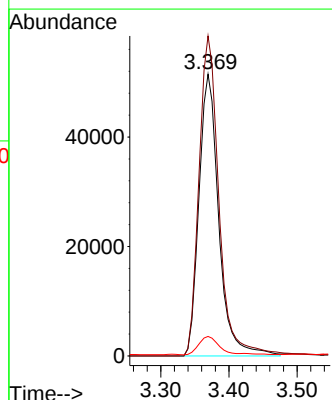
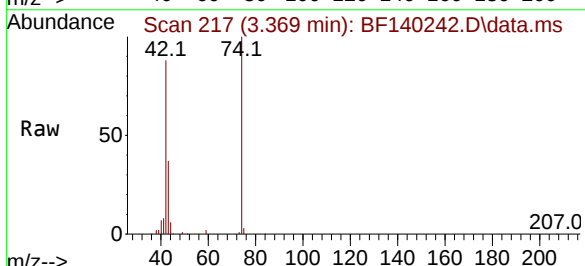
RT: 3.369 min Scan# 217

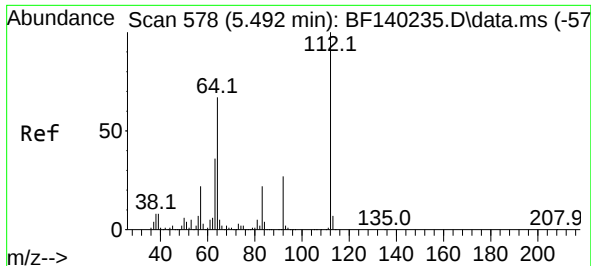
Delta R.T. -0.023 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

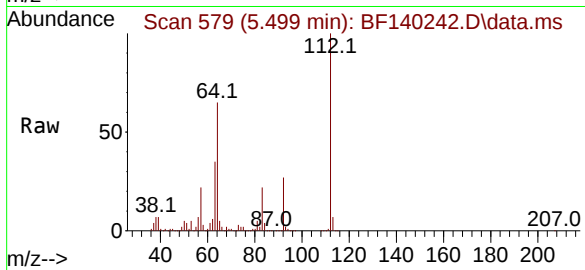
Tgt Ion: 42 Resp: 103929
 Ion Ratio Lower Upper
 42 100
 74 113.6 86.9 130.3
 44 6.9 5.0 7.6





#5
2-Fluorophenol
Concen: 84.941 ng
RT: 5.499 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

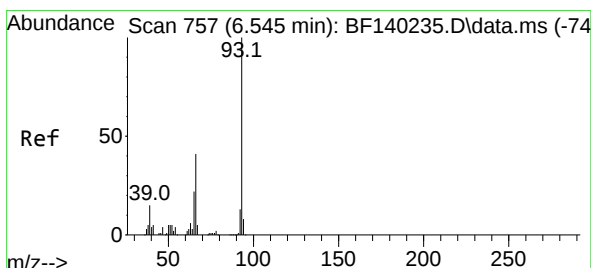
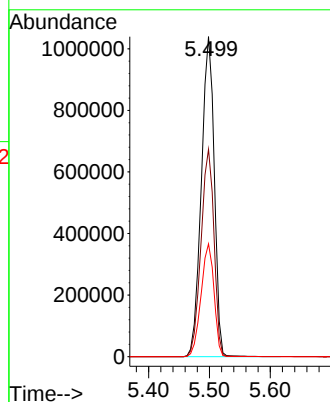
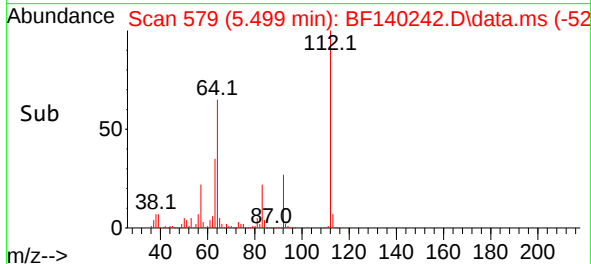
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 112 Resp: 153616
Ion Ratio Lower Upper
112 100
64 64.8 53.4 80.2
63 35.2 28.9 43.3

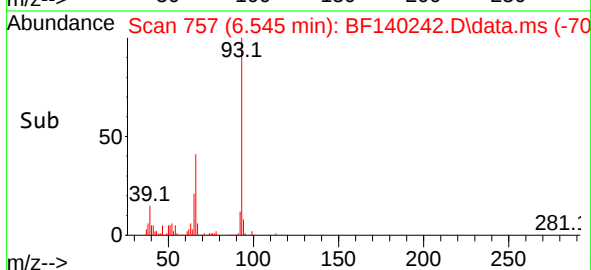
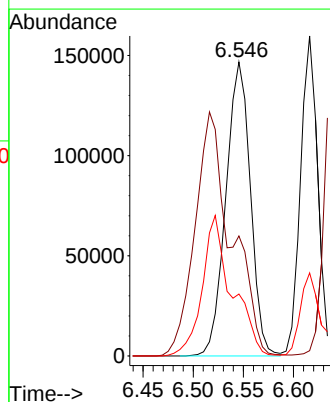
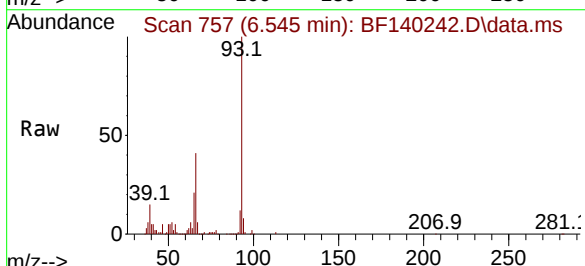
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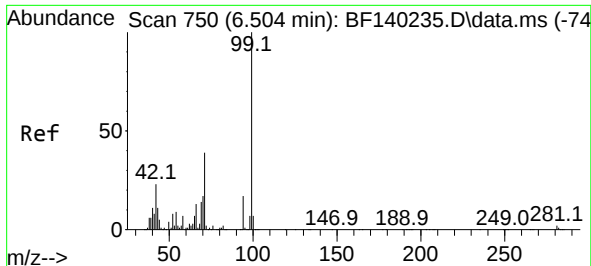
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#6
Aniline
Concen: 11.873 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

Tgt Ion: 93 Resp: 249537
Ion Ratio Lower Upper
93 100
66 40.9 33.6 50.4
65 21.1 17.5 26.3





#7

Phenol-d6

Concen: 88.746 ng

RT: 6.510 min Scan# 751

Delta R.T. 0.006 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 99 Resp: 206440

Ion Ratio Lower Upper

99 100

42 21.9 18.2 27.2

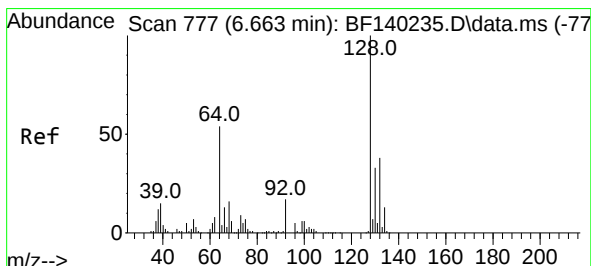
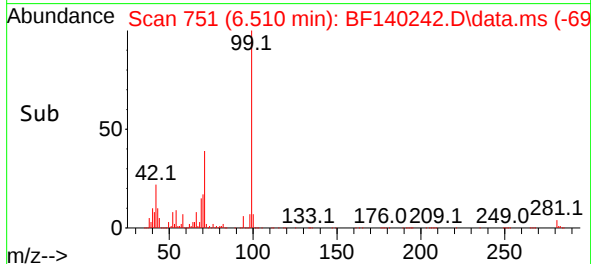
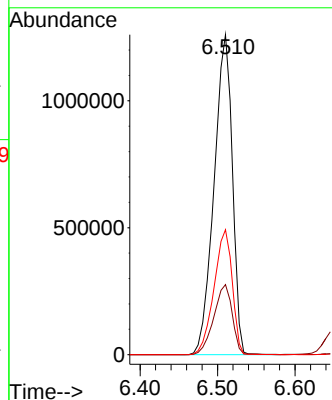
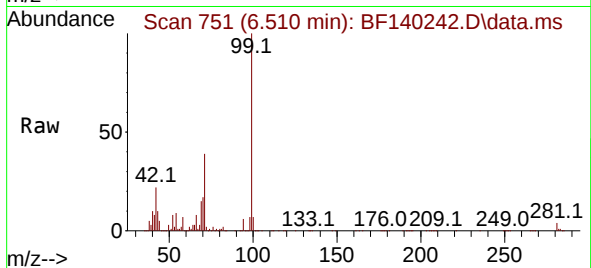
71 39.1 30.9 46.3

Manual Integrations

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Supervised By :mohammad ahmed 11/06/2024



#8

2-Chlorophenol

Concen: 9.765 ng

RT: 6.663 min Scan# 777

Delta R.T. 0.000 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

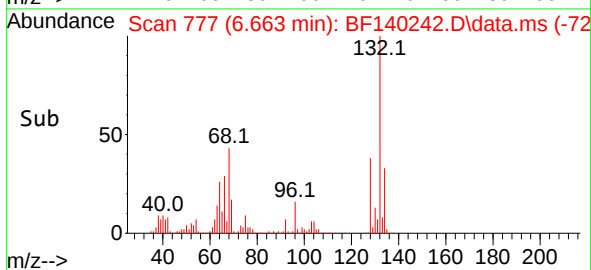
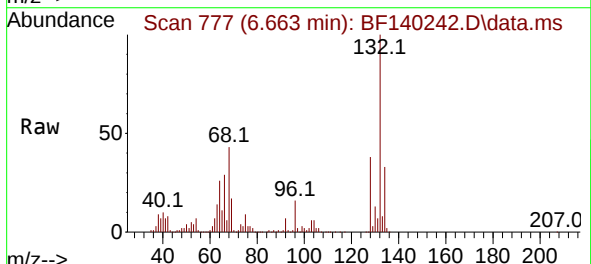
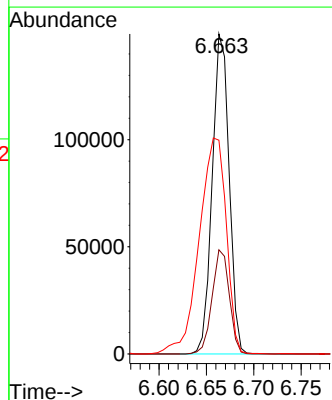
Tgt Ion:128 Resp: 184770

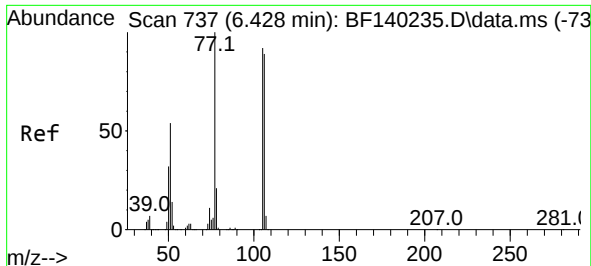
Ion Ratio Lower Upper

128 100

130 32.5 12.9 52.9

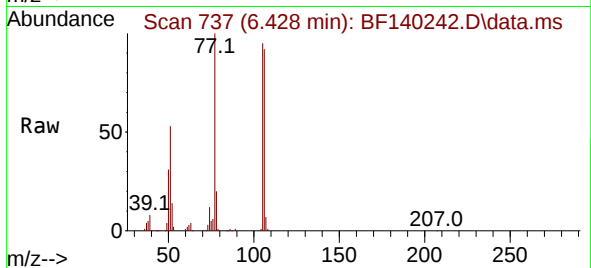
64 66.8 36.3 76.3





#9
Benzaldehyde
Concen: 11.890 ng
RT: 6.428 min Scan# 737
Delta R.T. 0.000 min
Lab File: BF140242.D
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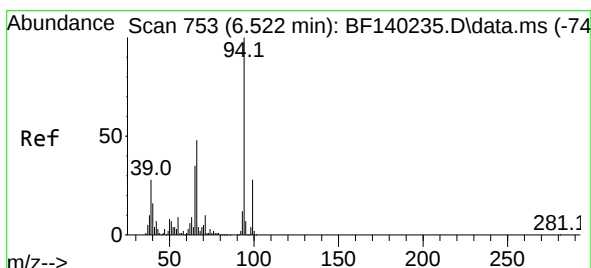
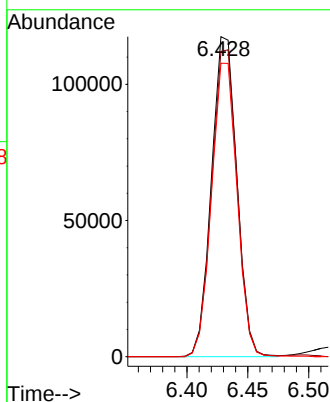
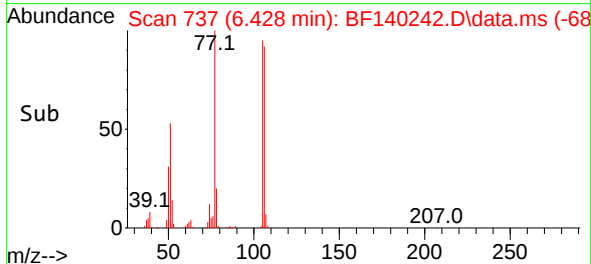
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Tgt Ion: 77 Resp: 170372
Ion Ratio Lower Upper
77 100
105 95.4 72.1 112.1
106 91.7 68.8 108.8

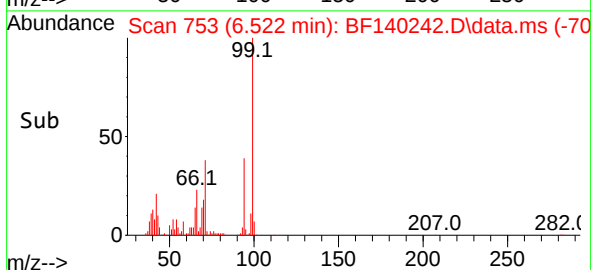
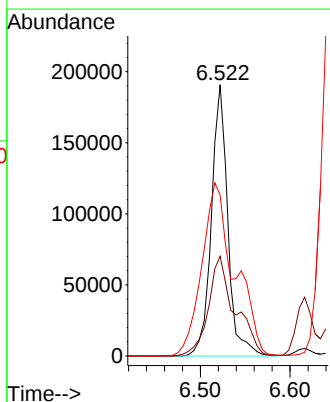
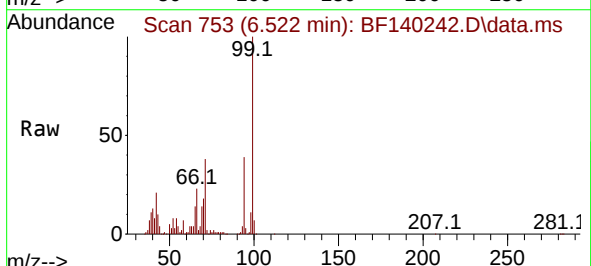
Manual Integrations
APPROVED

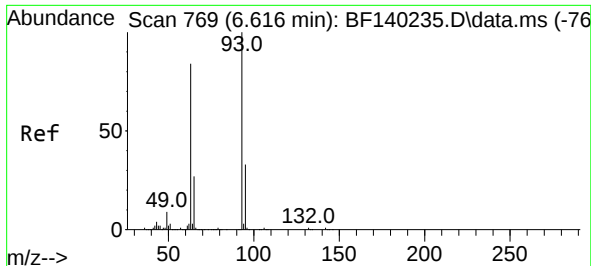
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#10
Phenol
Concen: 9.799 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

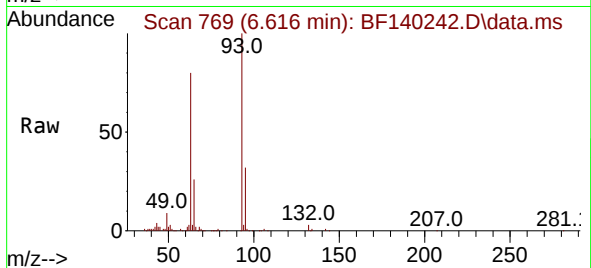
Tgt Ion: 94 Resp: 242085
Ion Ratio Lower Upper
94 100
65 36.8 15.1 55.1
66 59.3 28.8 68.8





#11
bis(2-Chloroethyl)ether
Concen: 10.179 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

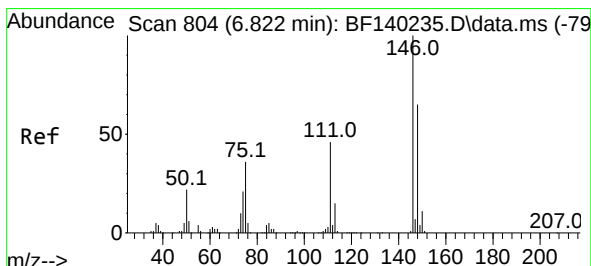
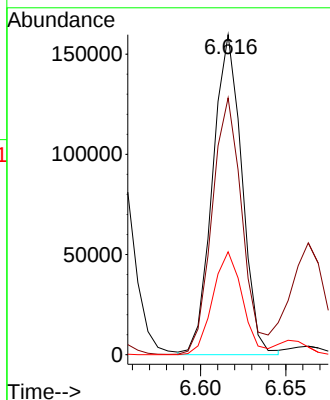
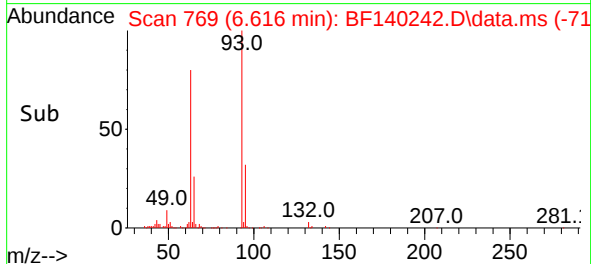
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



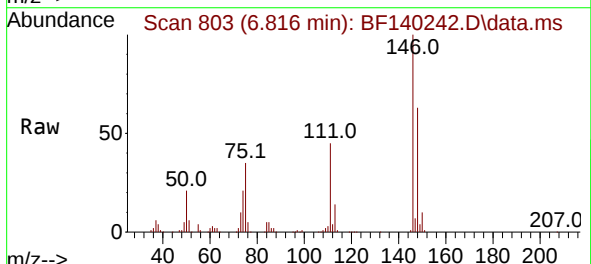
Tgt Ion: 93 Resp: 191028
Ion Ratio Lower Upper
93 100
63 80.2 63.6 103.6
95 32.2 12.7 52.7

Manual Integrations
APPROVED

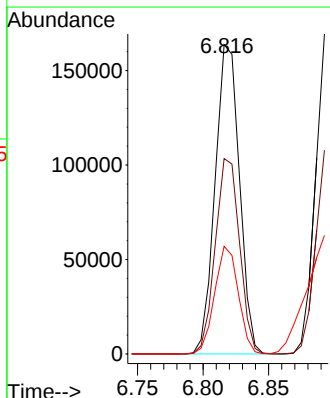
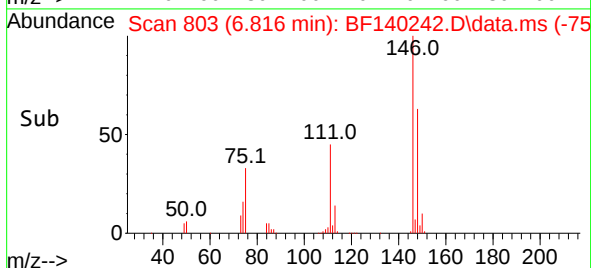
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

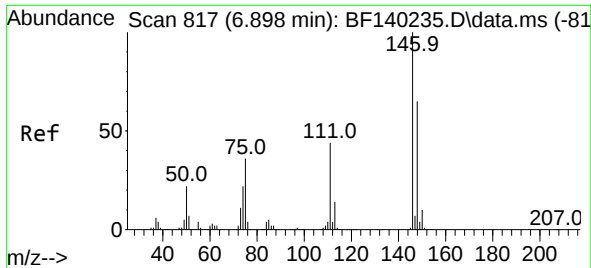


#12
1,3-Dichlorobenzene
Concen: 9.538 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30



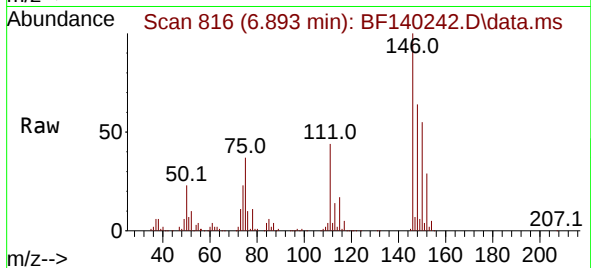
Tgt Ion:146 Resp: 211493
Ion Ratio Lower Upper
146 100
148 63.2 51.7 77.5
75 34.8 28.4 42.6





#13
1,4-Dichlorobenzene
Concen: 9.550 ng
RT: 6.893 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

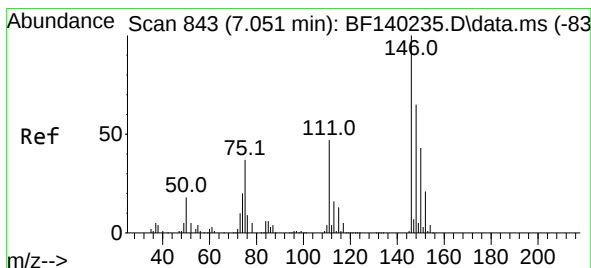
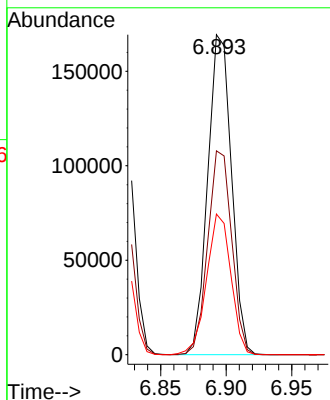
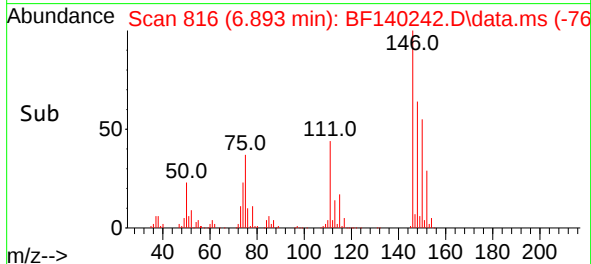
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:146 Resp: 213579
Ion Ratio Lower Upper
146 100
148 63.7 51.8 77.6
111 44.0 35.4 53.2

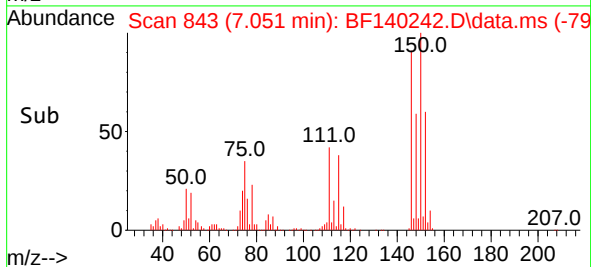
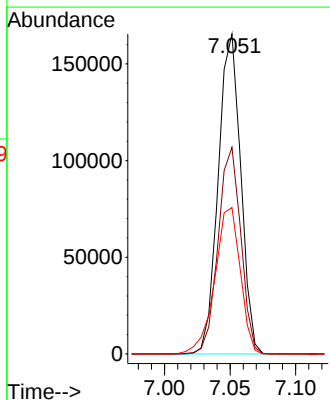
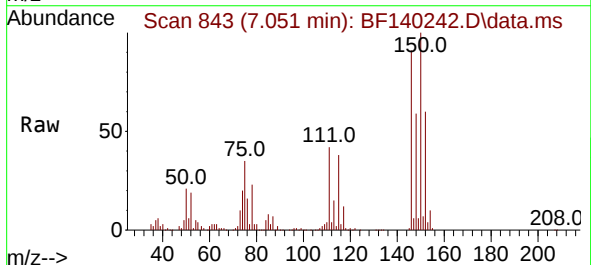
Manual Integrations
APPROVED

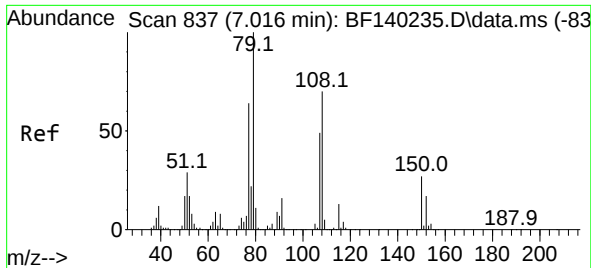
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#14
1,2-Dichlorobenzene
Concen: 9.438 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

Tgt Ion:146 Resp: 197145
Ion Ratio Lower Upper
146 100
148 64.6 51.8 77.6
111 45.8 37.9 56.9





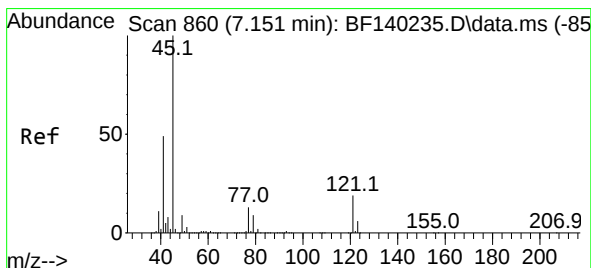
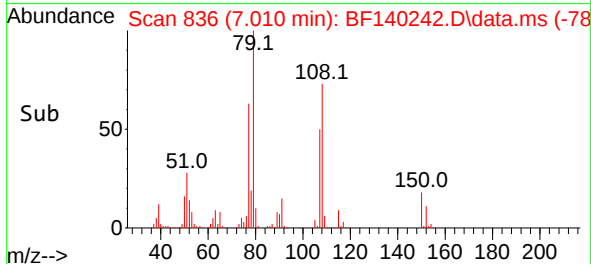
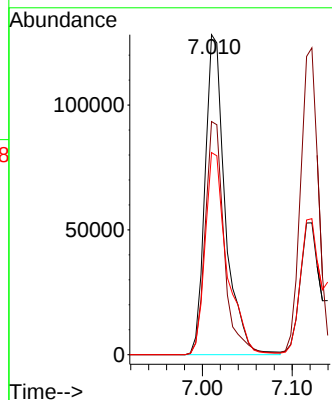
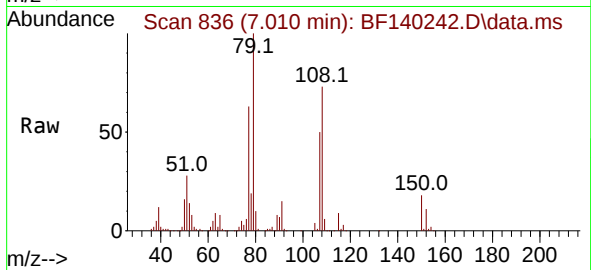
#15
Benzyl Alcohol
Concen: 11.161 ng
RT: 7.010 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion: 79 Resp: 200150
Ion Ratio Lower Upper
79 100
108 72.9 55.8 83.6
77 63.1 51.1 76.7

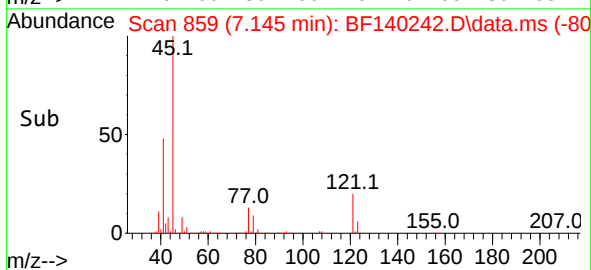
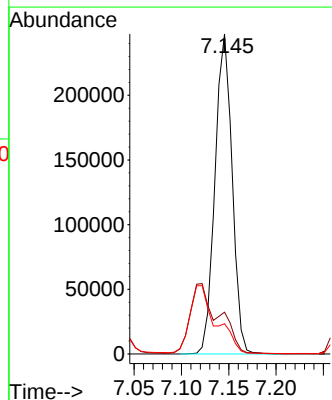
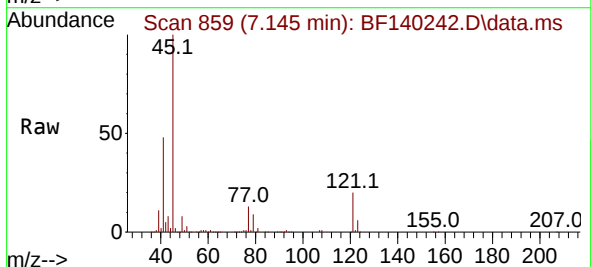
Manual Integrations
APPROVED

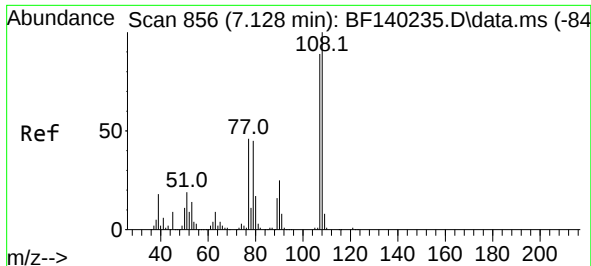
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.244 ng
RT: 7.145 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

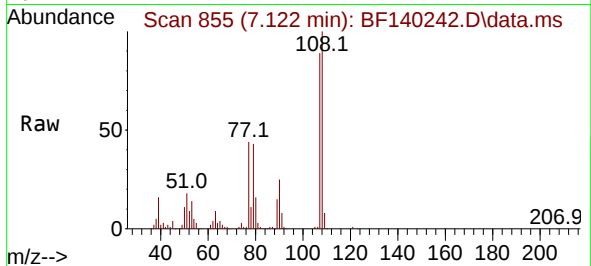
Tgt Ion: 45 Resp: 311213
Ion Ratio Lower Upper
45 100
77 13.1 0.0 33.3
79 9.4 0.0 29.9





#17
2-Methylphenol
Concen: 9.493 ng
RT: 7.122 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

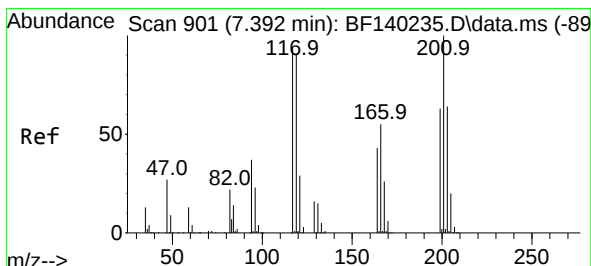
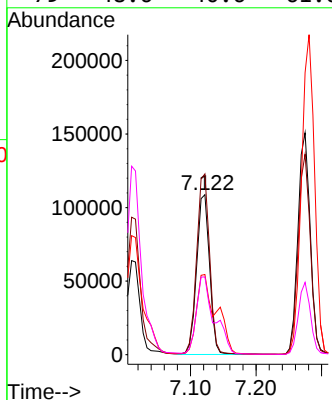
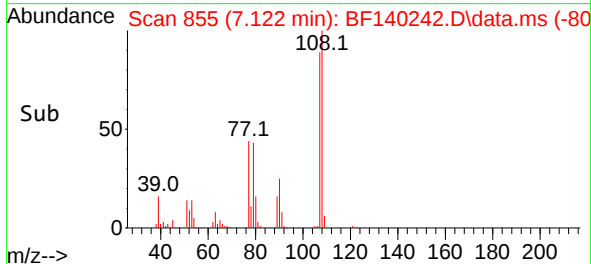
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion:107 Resp: 149849
Ion Ratio Lower Upper
107 100
108 113.0 90.5 135.7
77 50.1 41.8 62.6
79 48.6 40.6 61.0

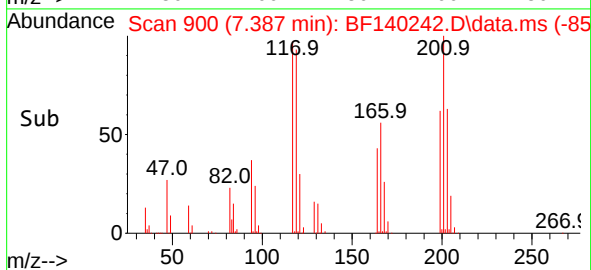
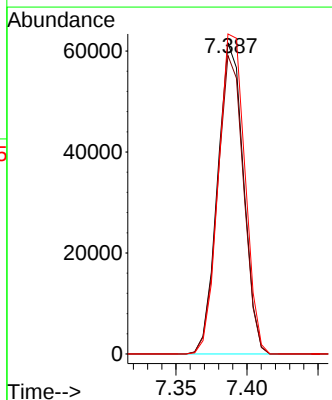
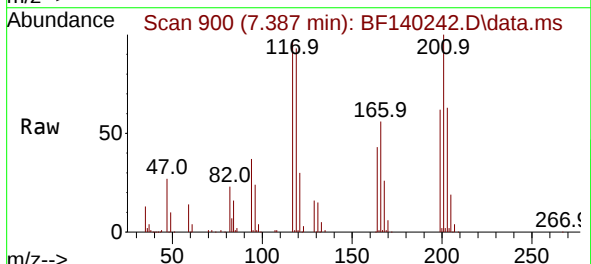
Manual Integrations
APPROVED

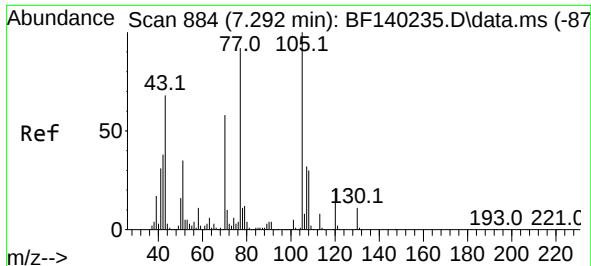
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#18
Hexachloroethane
Concen: 9.380 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

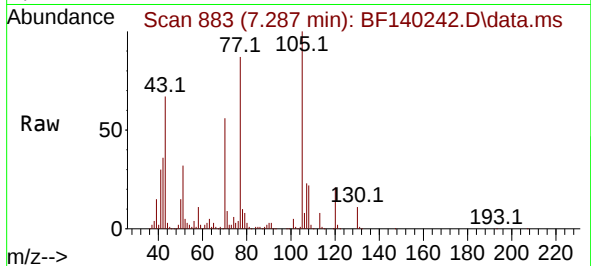
Tgt Ion:117 Resp: 78141
Ion Ratio Lower Upper
117 100
119 96.0 77.3 115.9
201 102.9 85.1 127.7





#19
n-Nitroso-di-n-propylamine
Concen: 10.110 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

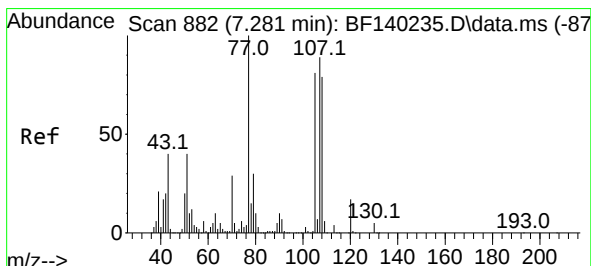
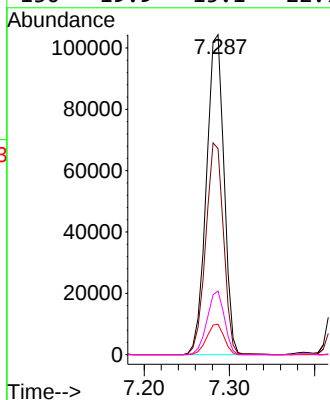
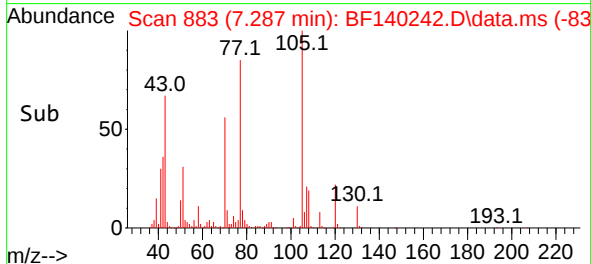
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



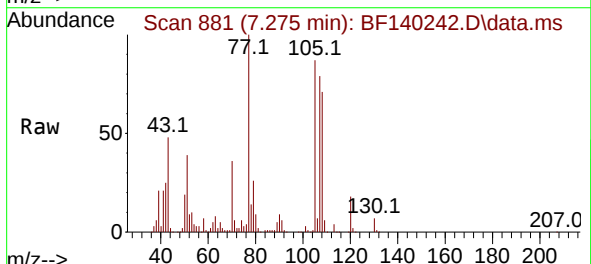
Tgt Ion: 70 Resp: 150028
Ion Ratio Lower Upper
70 100
42 64.4 52.8 79.2
101 9.5 7.4 11.2
130 19.9 15.1 22.7

Manual Integrations
APPROVED

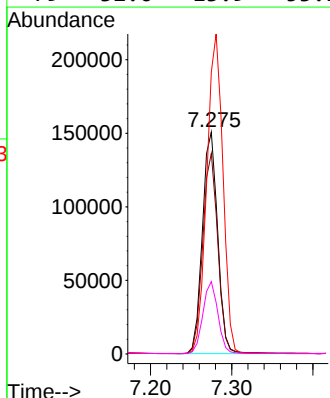
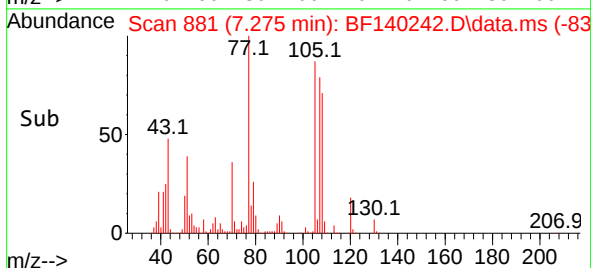
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

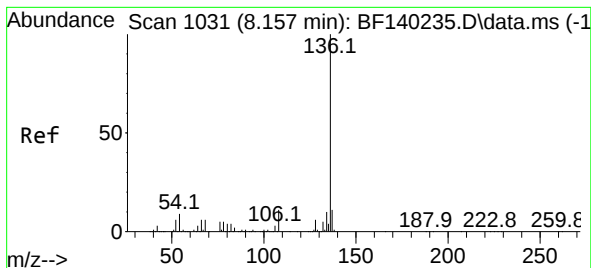


#20
3+4-Methylphenols
Concen: 9.915 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30



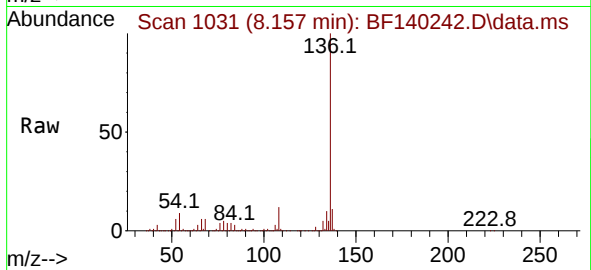
Tgt Ion:107 Resp: 196566
Ion Ratio Lower Upper
107 100
108 90.3 69.4 109.4
77 127.0 92.7 132.7
79 32.6 13.9 53.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

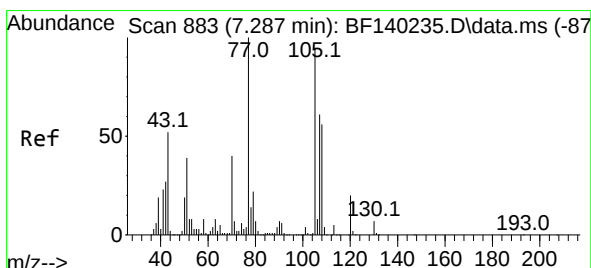
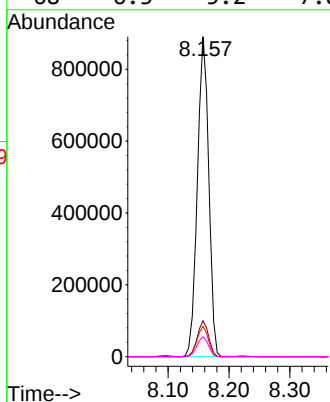
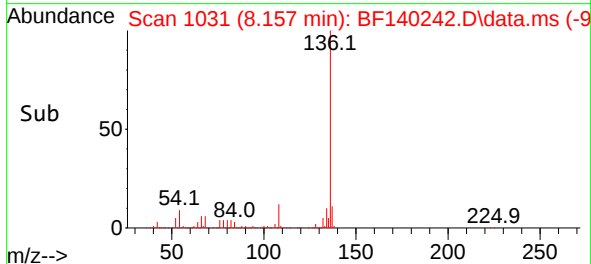


Tgt Ion:136 Resp: 115601

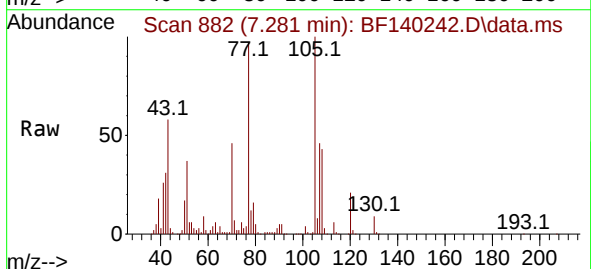
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	9.4	7.7	11.5
68	6.3	5.2	7.8

Manual Integrations
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Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

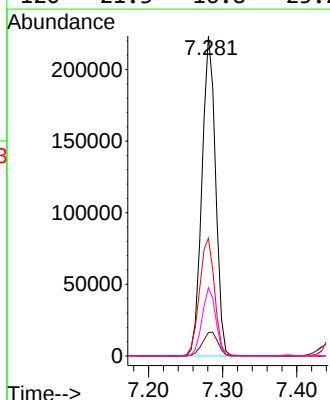
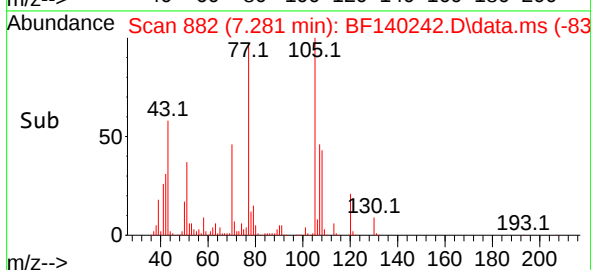


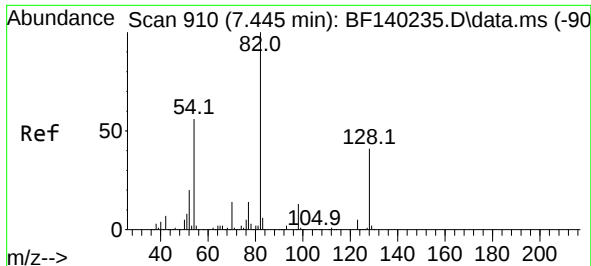
#22
Acetophenone
Concen: 9.968 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30



Tgt Ion:105 Resp: 285686

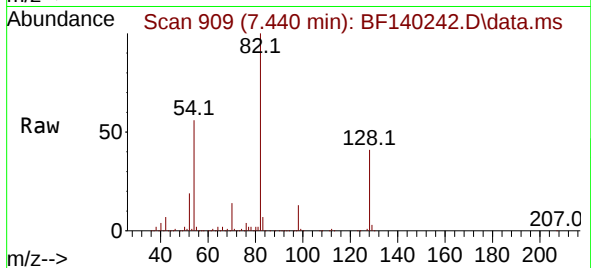
Ion	Ratio	Lower	Upper
105	100		
71	7.4	5.6	8.4
51	36.8	33.2	49.8
120	21.3	16.8	25.2





#23
Nitrobenzene-d5
Concen: 64.235 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

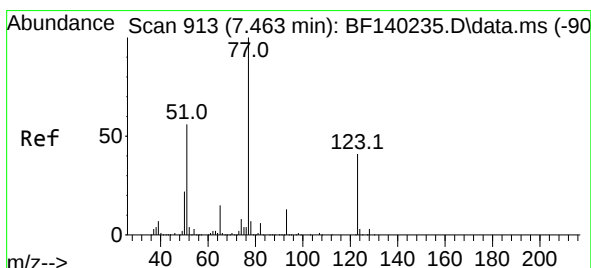
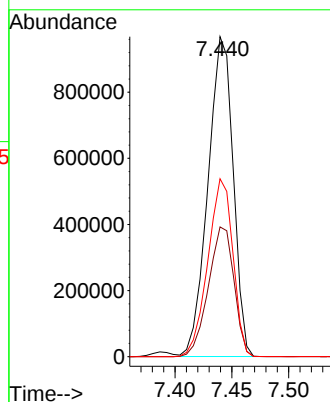
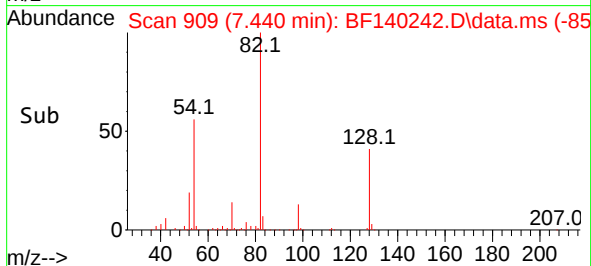
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 82 Resp: 149353
Ion Ratio Lower Upper
82 100
128 40.5 32.8 49.2
54 55.6 44.3 66.5

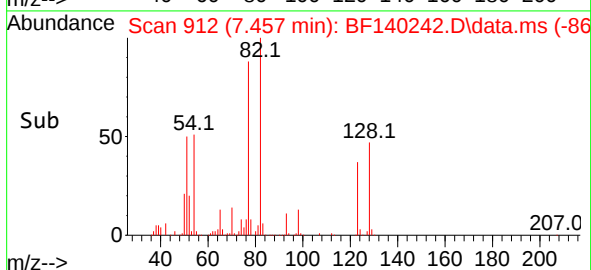
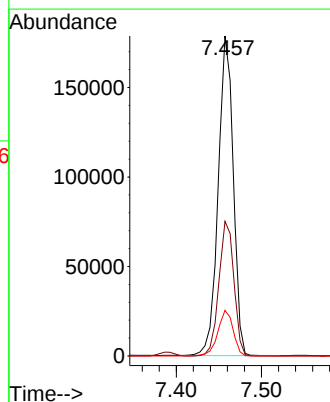
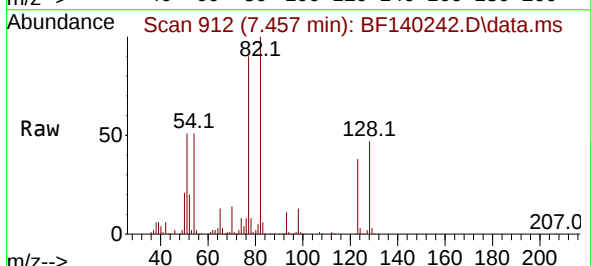
Manual Integrations
APPROVED

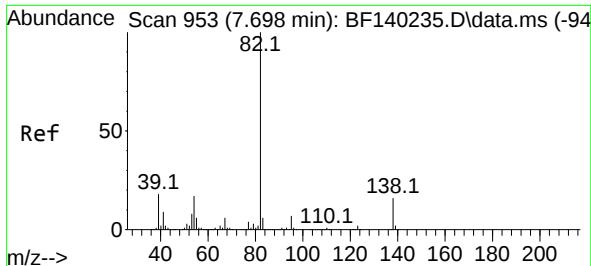
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#24
Nitrobenzene
Concen: 8.988 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

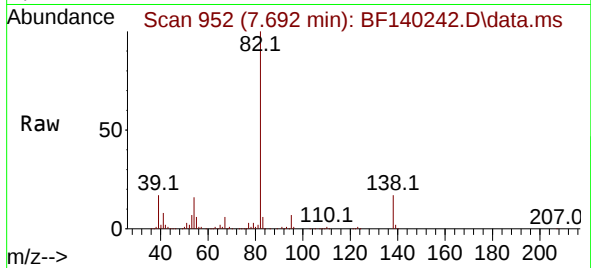
Tgt Ion: 77 Resp: 219291
Ion Ratio Lower Upper
77 100
123 42.1 33.0 49.4
65 14.3 11.7 17.5





#25
Isophorone
Concen: 9.735 ng
RT: 7.692 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

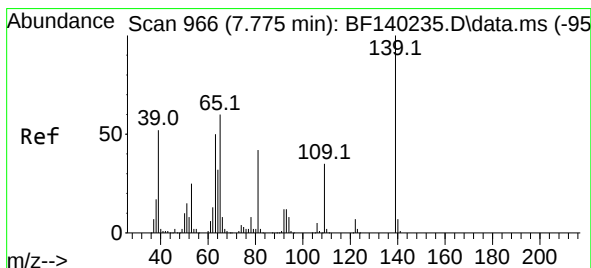
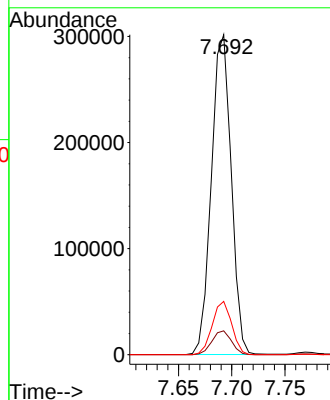
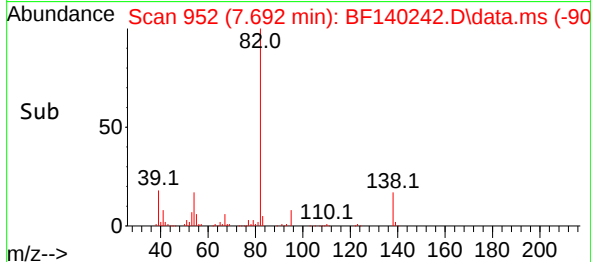
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 82 Resp: 38975
Ion Ratio Lower Upper
82 100
95 7.5 6.0 9.0
138 16.6 12.9 19.3

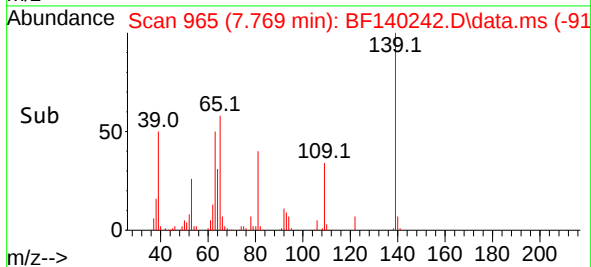
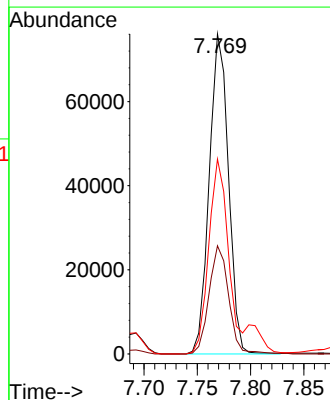
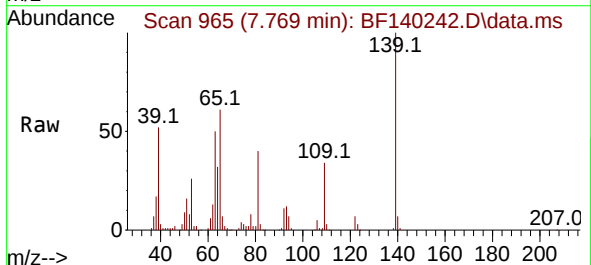
Manual Integrations
APPROVED

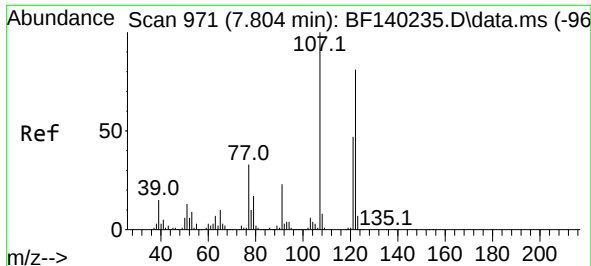
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#26
2-Nitrophenol
Concen: 9.821 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

Tgt Ion:139 Resp: 95315
Ion Ratio Lower Upper
139 100
109 33.8 27.8 41.8
65 60.9 48.2 72.2





#27

2,4-Dimethylphenol

Concen: 6.275 ng

RT: 7.804 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

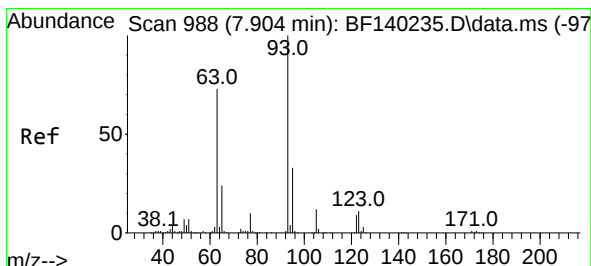
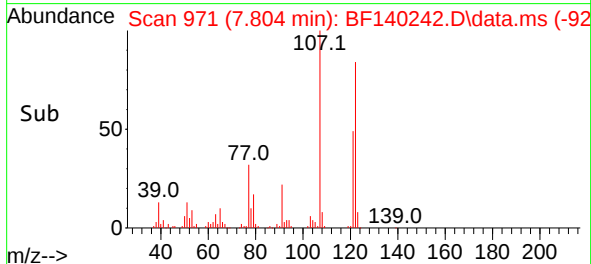
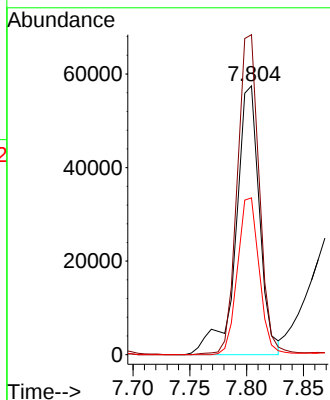
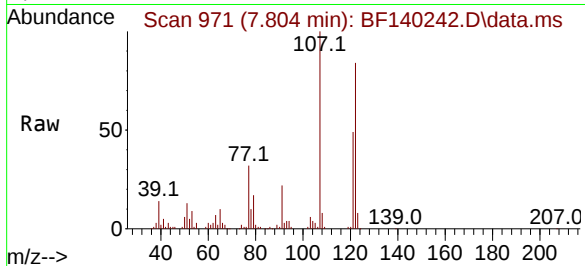
Tgt Ion:	122	Resp:	8284
Ion Ratio	Lower	Upper	
122	100		
107	119.0	99.4	149.0
121	58.3	47.1	70.7

Manual Integrations

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Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#28

bis(2-Chloroethoxy)methane

Concen: 9.557 ng

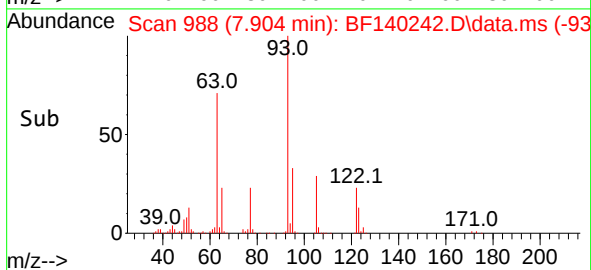
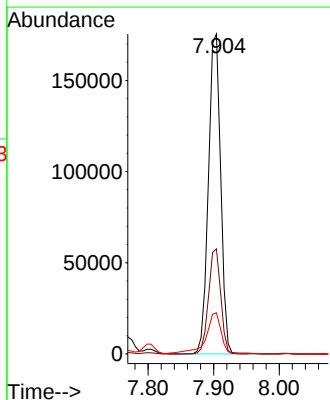
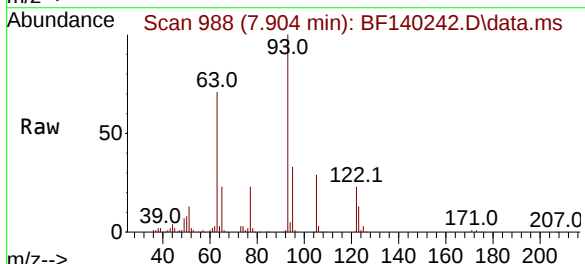
RT: 7.904 min Scan# 988

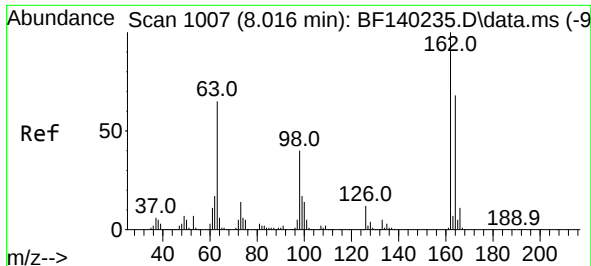
Delta R.T. 0.000 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

Tgt Ion:	93	Resp:	228974
Ion Ratio	Lower	Upper	
93	100		
95	32.9	26.1	39.1
123	12.8	9.4	14.0





#29

2,4-Dichlorophenol

Concen: 9.849 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

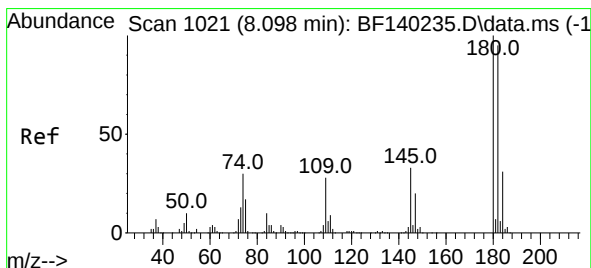
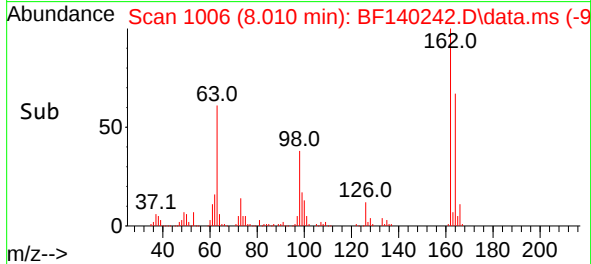
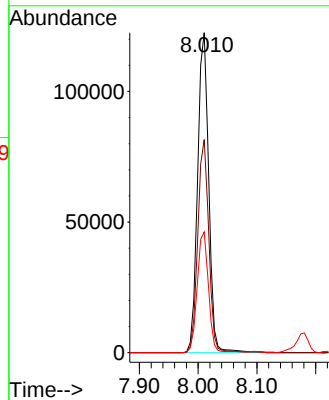
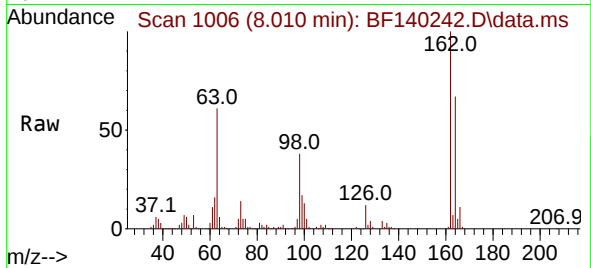
Tgt Ion:162	Resp: 160870
Ion Ratio	Lower Upper
162 100	
164 66.6	47.5 87.5
98 37.7	19.5 59.5

Manual Integrations

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Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#30

1,2,4-Trichlorobenzene

Concen: 9.373 ng

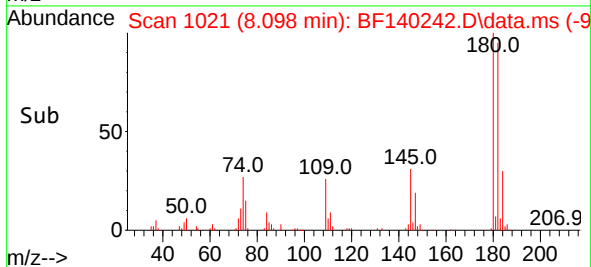
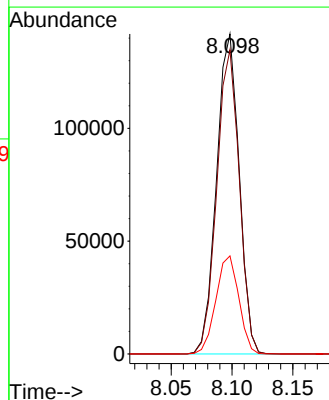
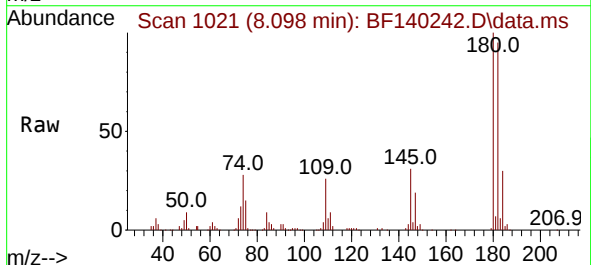
RT: 8.098 min Scan# 1021

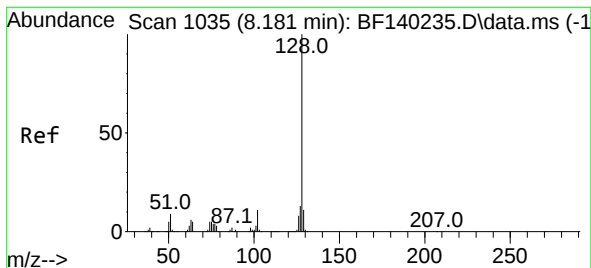
Delta R.T. 0.000 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

Tgt Ion:180	Resp: 183459
Ion Ratio	Lower Upper
180 100	
182 95.0	75.9 113.9
145 30.7	26.1 39.1





#31

Naphthalene

Concen: 9.532 ng

RT: 8.181 min Scan# 1035

Delta R.T. 0.000 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

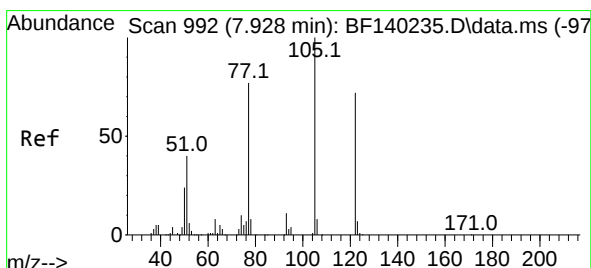
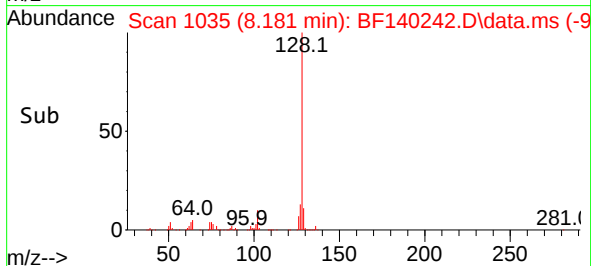
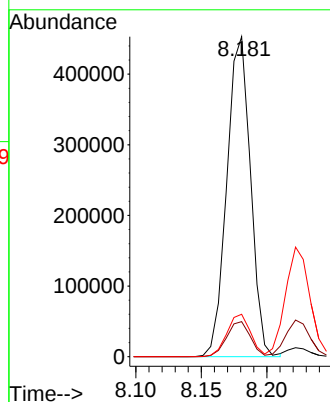
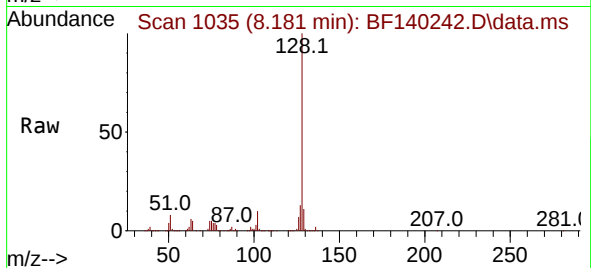
Tgt Ion:128 Resp: 56898
 Ion Ratio Lower Upper
 128 100
 129 11.0 9.0 13.6
 127 13.3 10.7 16.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#32

Benzoic acid

Concen: 12.032 ng

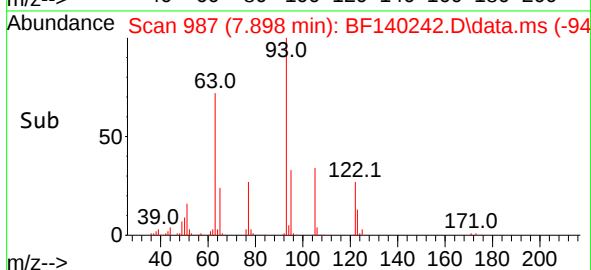
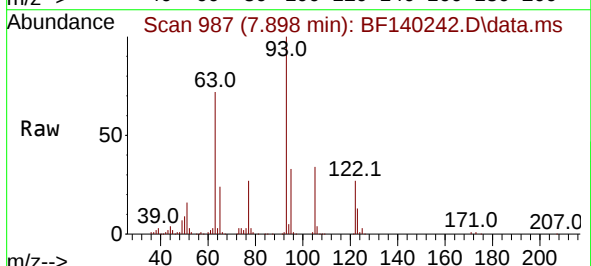
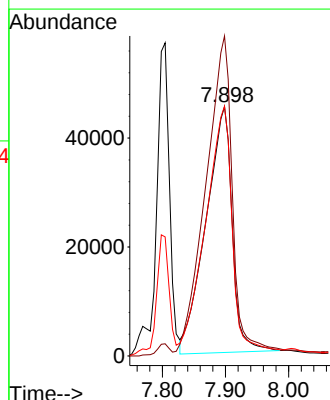
RT: 7.898 min Scan# 987

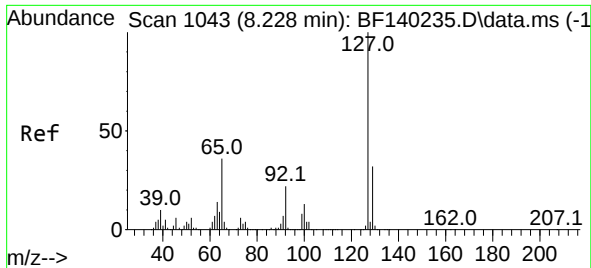
Delta R.T. -0.030 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

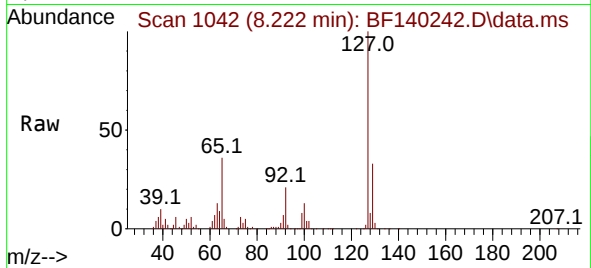
Tgt Ion:122 Resp: 130368
 Ion Ratio Lower Upper
 122 100
 105 128.3 112.6 152.6
 77 100.2 84.3 124.3





#33
4-Chloroaniline
Concen: 10.462 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

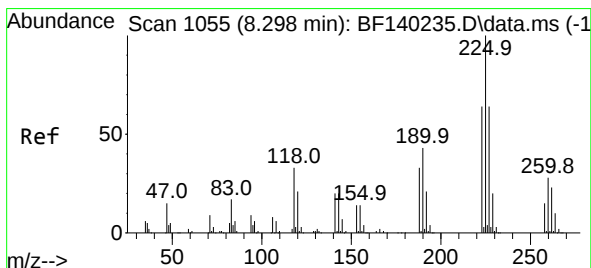
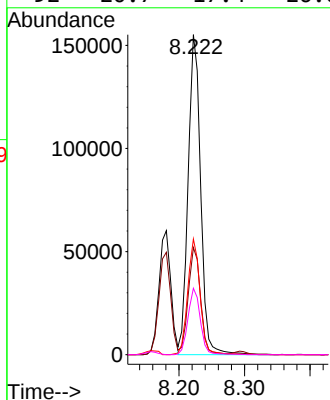
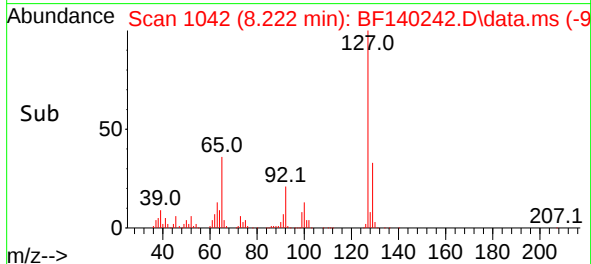
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion:127 Resp: 20559
Ion Ratio Lower Upper
127 100
129 33.4 25.8 38.6
65 36.1 29.0 43.6
92 20.7 17.4 26.0

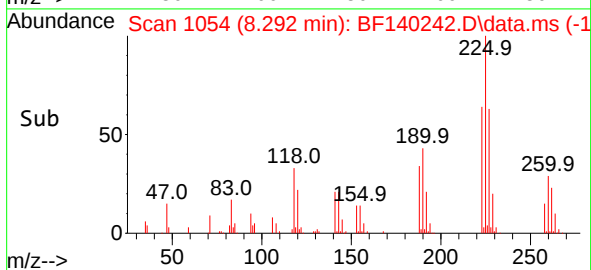
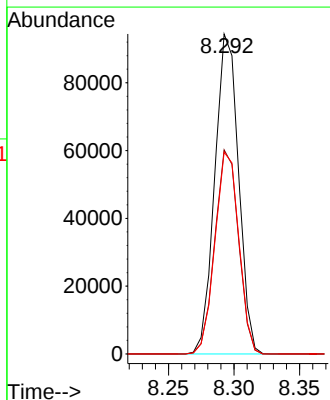
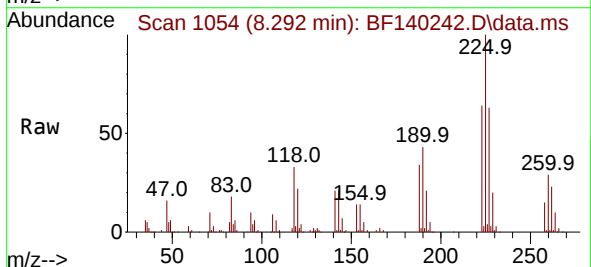
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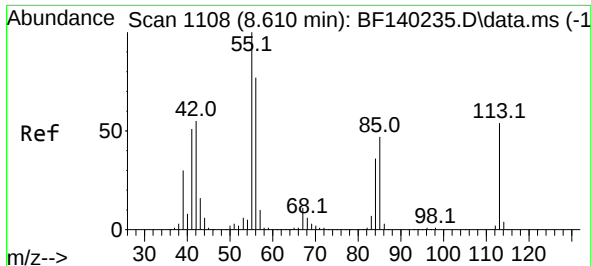
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#34
Hexachlorobutadiene
Concen: 8.960 ng
RT: 8.292 min Scan# 1054
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

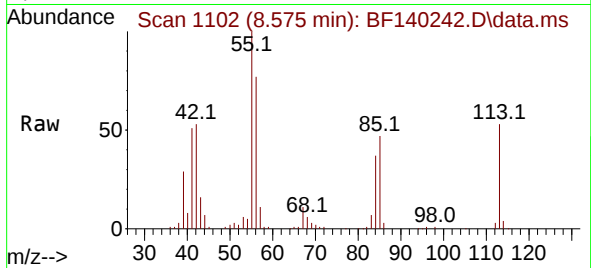
Tgt Ion:225 Resp: 118705
Ion Ratio Lower Upper
225 100
223 63.8 50.8 76.2
227 63.0 51.0 76.6





#35
Caprolactam
Concen: 9.901 ng
RT: 8.575 min Scan# 1108
Delta R.T. -0.035 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

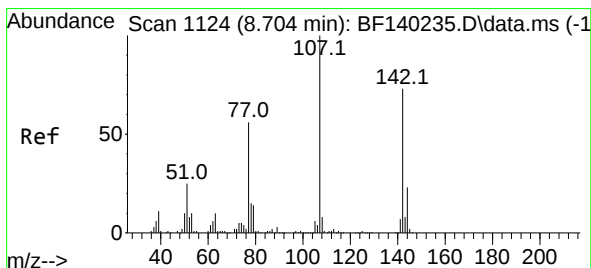
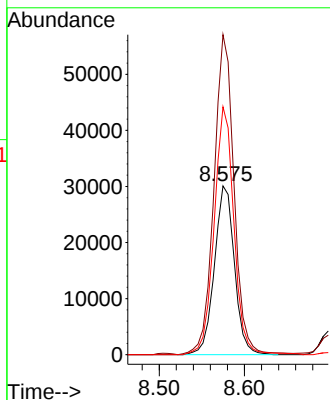
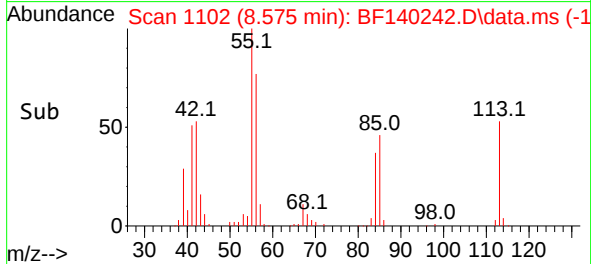
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:113 Resp: 4919
Ion Ratio Lower Upper
113 100
55 189.6 165.2 205.2
56 146.8 122.1 162.1

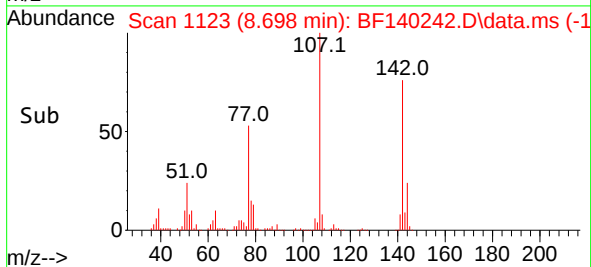
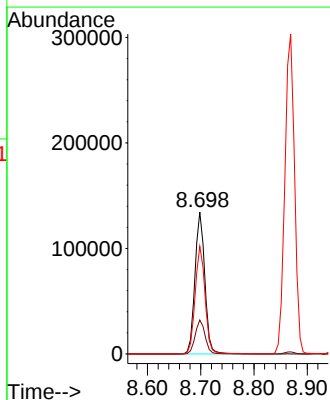
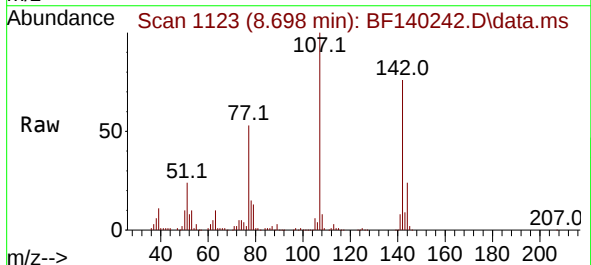
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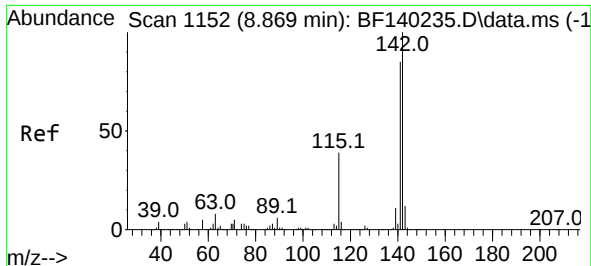
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#36
4-Chloro-3-methylphenol
Concen: 9.516 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

Tgt Ion:107 Resp: 173047
Ion Ratio Lower Upper
107 100
144 23.9 18.6 27.8
142 76.0 58.1 87.1





#37

2-Methylnaphthalene

Concen: 9.836 ng

RT: 8.869 min Scan# 1152

Delta R.T. 0.000 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:142 Resp: 383215

Ion Ratio Lower Upper

142 100

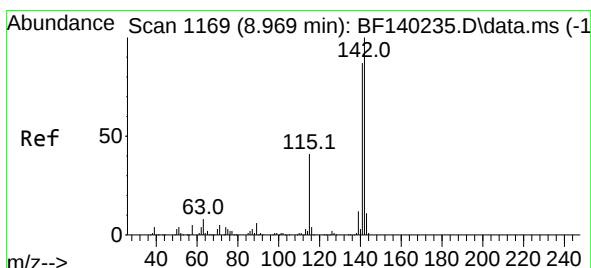
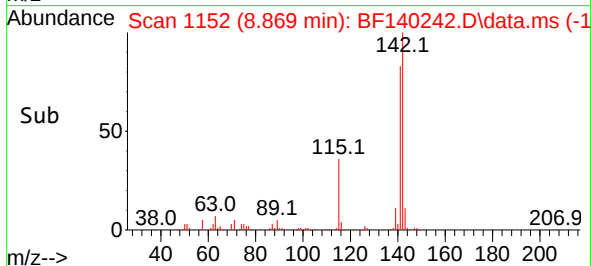
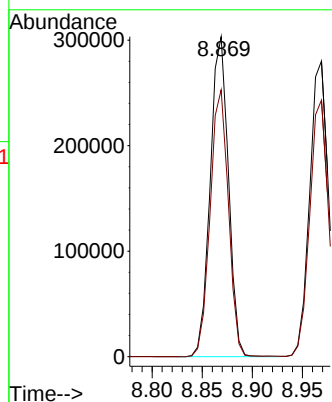
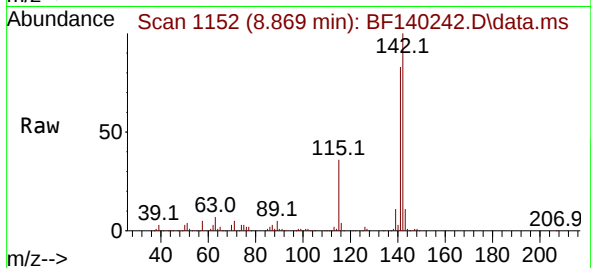
141 83.4 67.8 101.8

Manual Integrations

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Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#38

1-Methylnaphthalene

Concen: 9.381 ng

RT: 8.969 min Scan# 1169

Delta R.T. 0.000 min

Lab File: BF140242.D

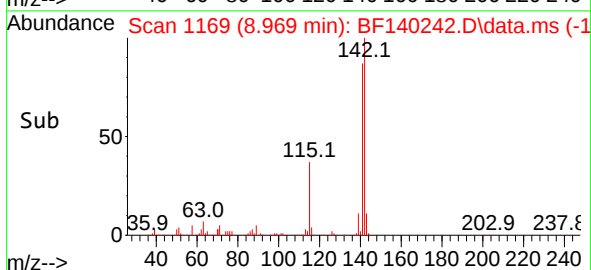
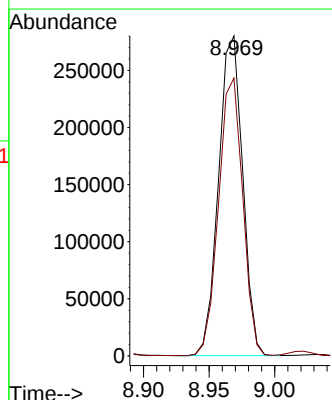
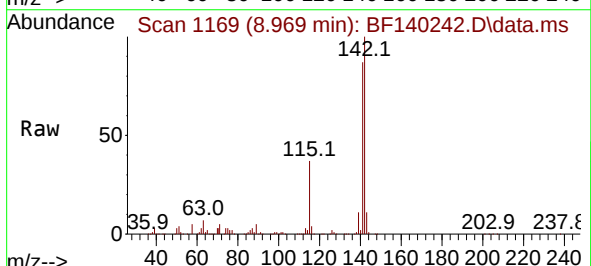
Acq: 05 Nov 2024 17:30

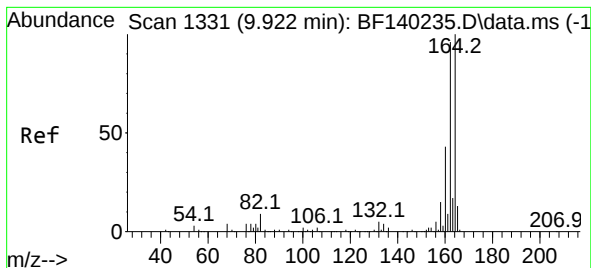
Tgt Ion:142 Resp: 358223

Ion Ratio Lower Upper

142 100

141 86.8 69.7 104.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140242.D

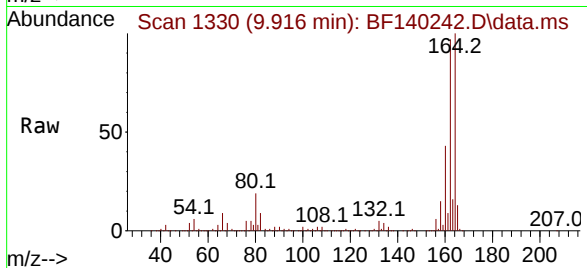
Acq: 05 Nov 2024 17:30

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:164 Resp: 68973

Ion Ratio Lower Upper

164 100

162 96.8 77.0 115.4

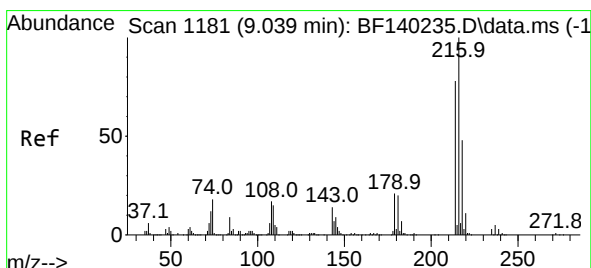
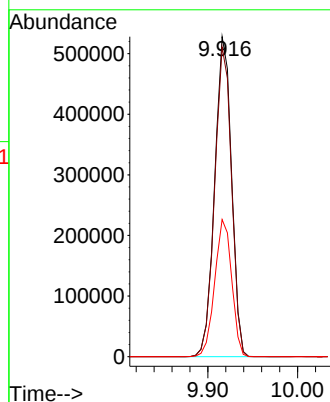
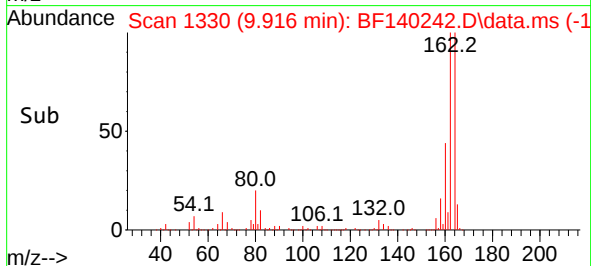
160 42.8 34.1 51.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.718 ng

RT: 9.034 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

Tgt Ion:216 Resp: 196219

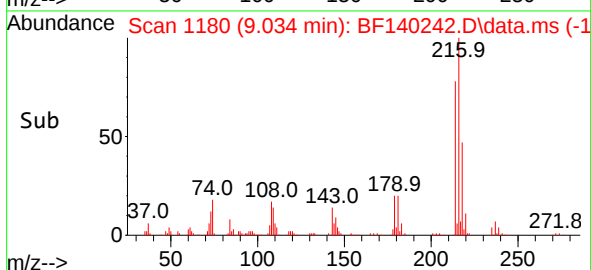
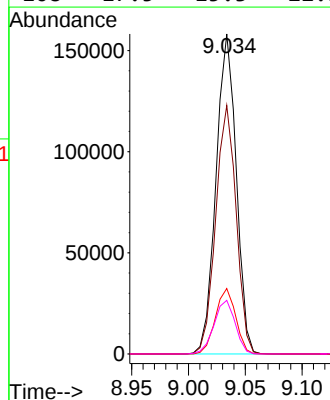
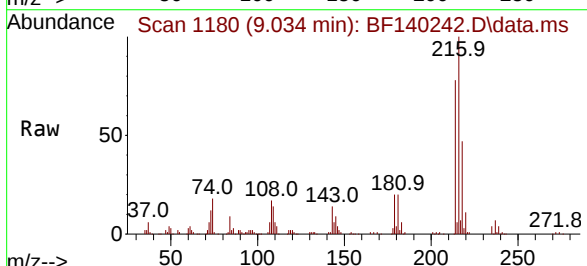
Ion Ratio Lower Upper

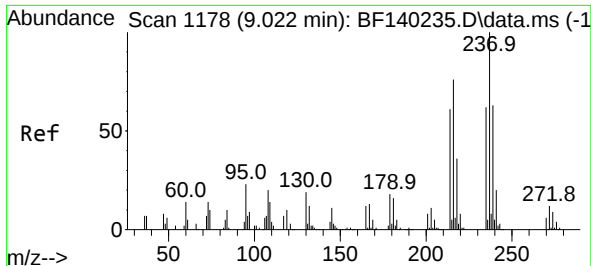
216 100

214 78.4 62.8 94.2

179 20.5 17.3 25.9

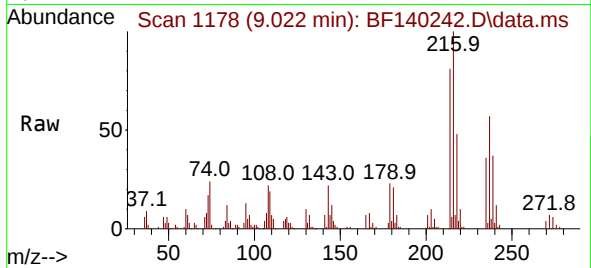
108 17.5 15.3 22.9





#41
Hexachlorocyclopentadiene
Concen: 7.633 ng
RT: 9.022 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

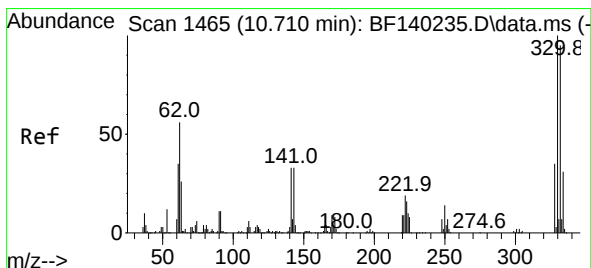
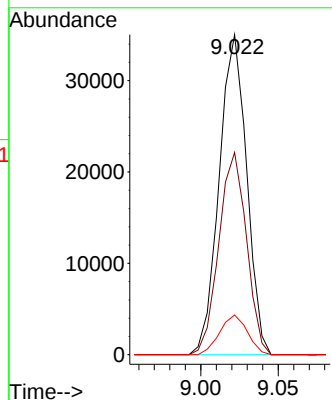
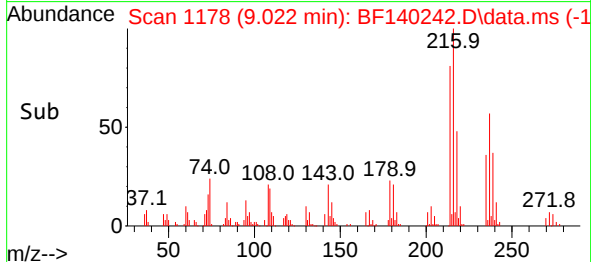
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



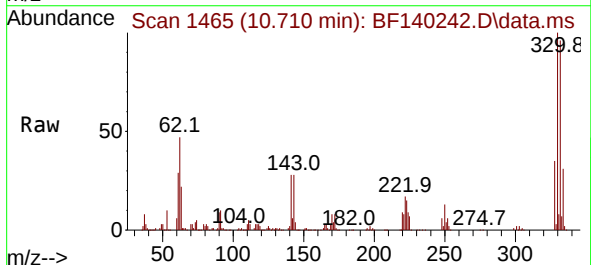
Tgt Ion: 237 Resp: 4318
Ion Ratio Lower Upper
237 100
235 63.2 41.8 81.8
272 12.4 0.0 31.8

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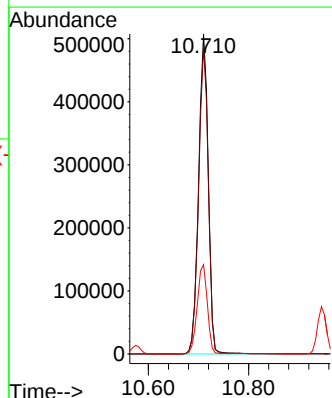
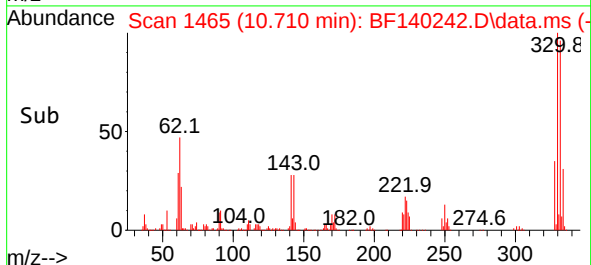
Reviewed By : Yogesh Patel 11/06/2024
Supervised By : mohammad ahmed 11/06/2024

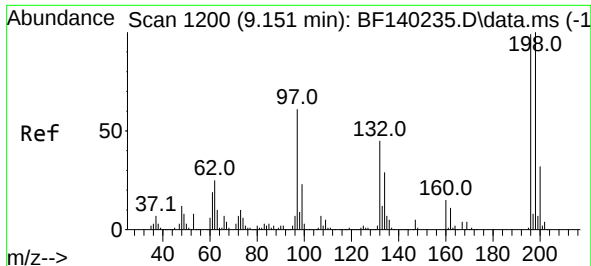


#42
2,4,6-Tribromophenol
Concen: 99.781 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30



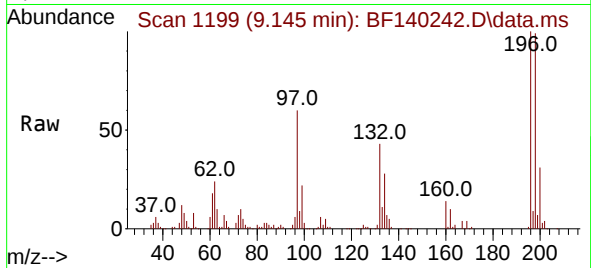
Tgt Ion: 330 Resp: 680272
Ion Ratio Lower Upper
330 100
332 96.0 76.4 114.6
141 29.1 27.0 40.4





#43
2,4,6-Trichlorophenol
Concen: 9.383 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

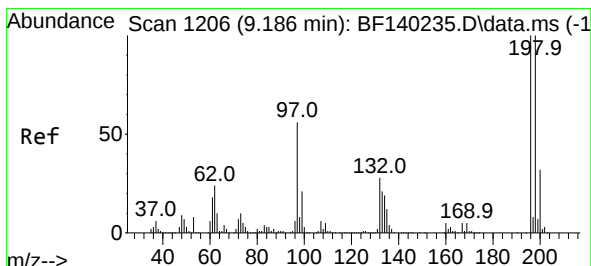
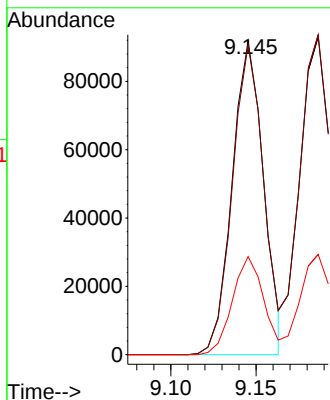
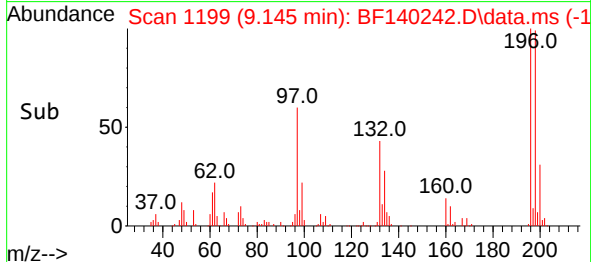
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



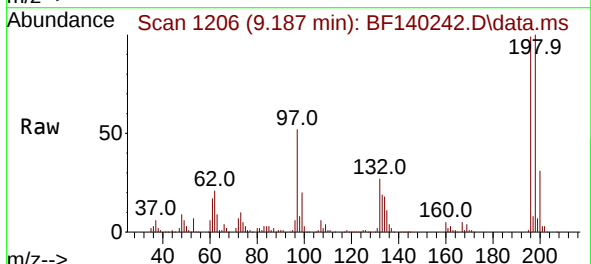
Tgt Ion:196 Resp: 11740
Ion Ratio Lower Upper
196 100
198 98.7 80.8 121.2
200 31.3 26.0 39.0

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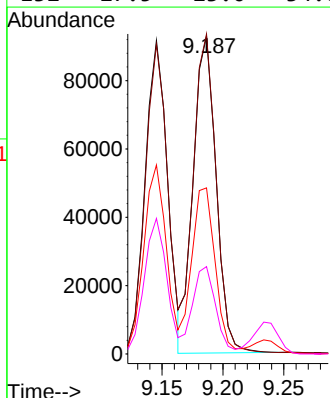
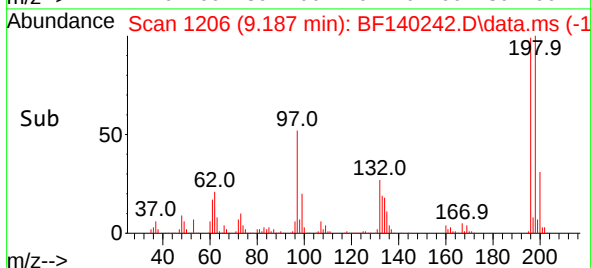
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

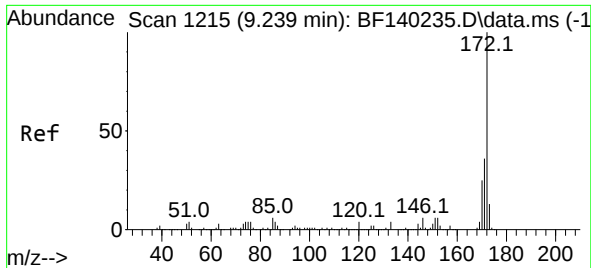


#44
2,4,5-Trichlorophenol
Concen: 9.216 ng
RT: 9.187 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30



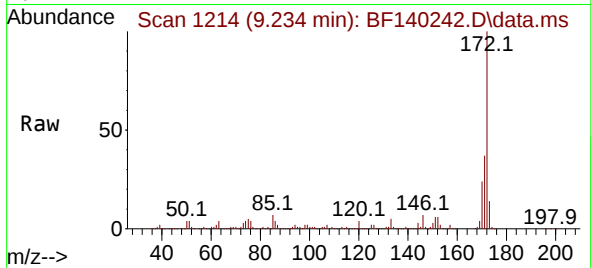
Tgt Ion:196 Resp: 121249
Ion Ratio Lower Upper
196 100
198 100.7 80.0 120.0
97 52.3 45.7 68.5
132 27.5 23.0 34.6





#45
2-Fluorobiphenyl
Concen: 60.645 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

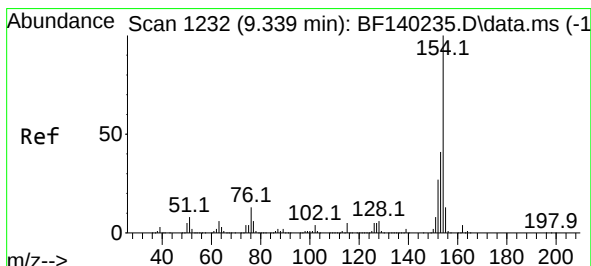
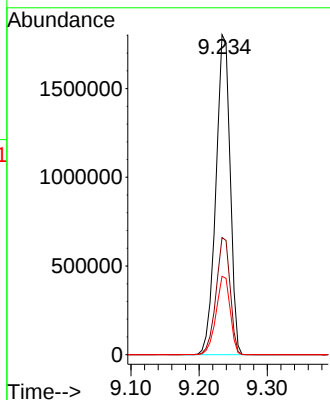
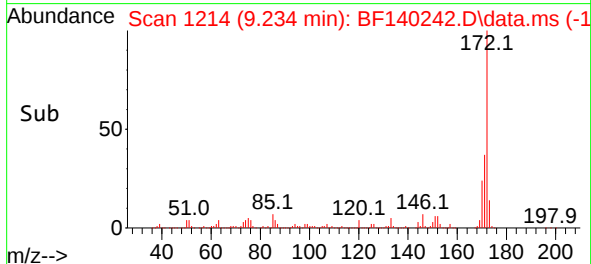
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



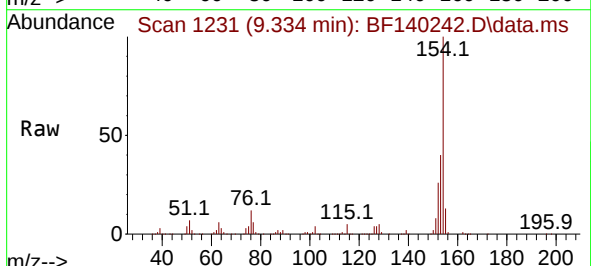
Tgt Ion:172 Resp: 261956
Ion Ratio Lower Upper
172 100
171 36.6 28.8 43.2
170 24.5 19.6 29.4

Manual Integrations
APPROVED

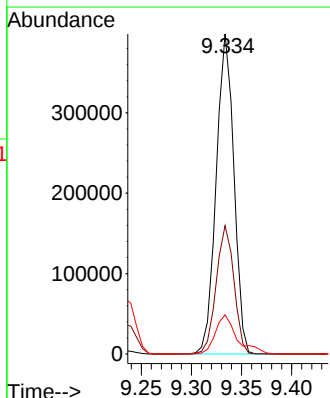
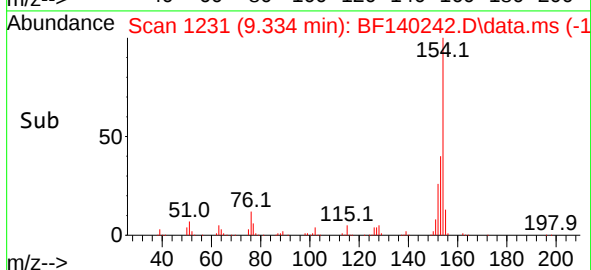
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

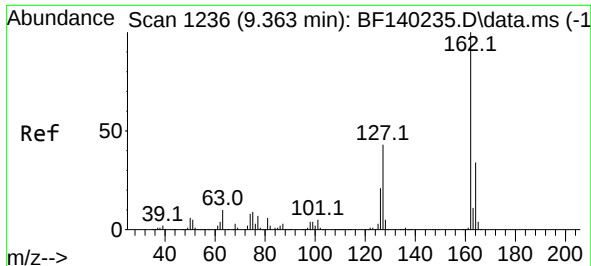


#46
1,1'-Biphenyl
Concen: 9.786 ng
RT: 9.334 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30



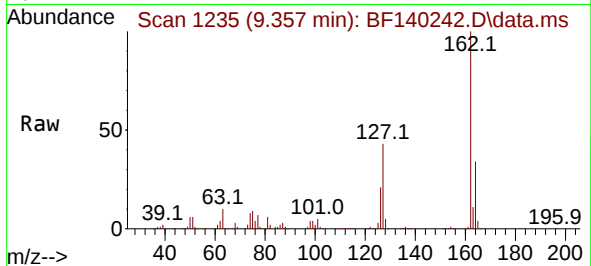
Tgt Ion:154 Resp: 487860
Ion Ratio Lower Upper
154 100
153 40.1 20.8 60.8
76 12.2 0.0 32.6





#47
2-Chloronaphthalene
Concen: 9.304 ng
RT: 9.357 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

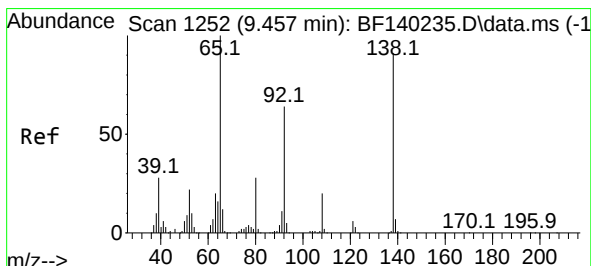
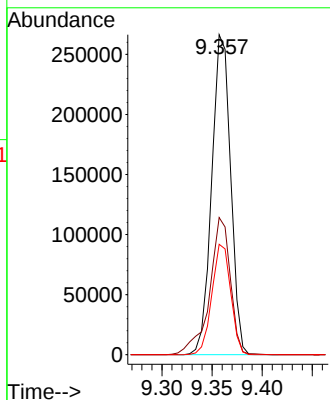
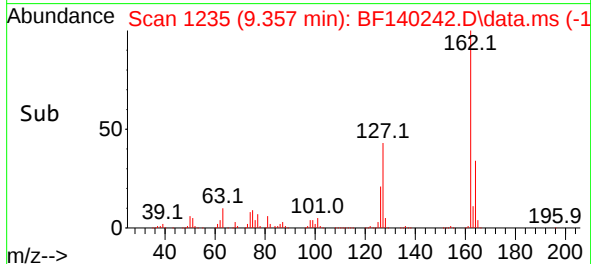
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:162 Resp: 34913
Ion Ratio Lower Upper
162 100
127 42.9 34.8 52.2
164 34.5 27.3 40.9

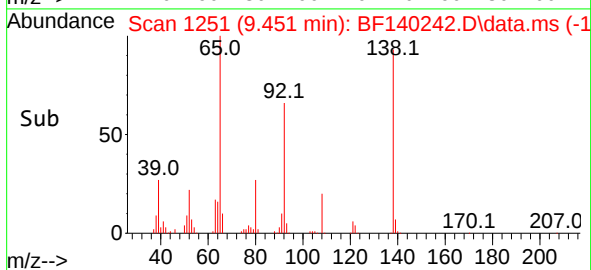
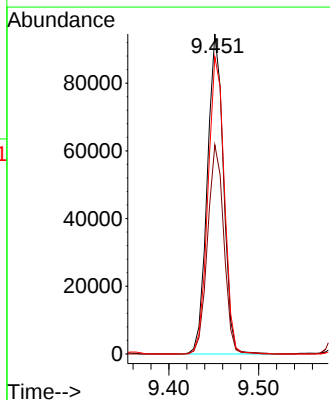
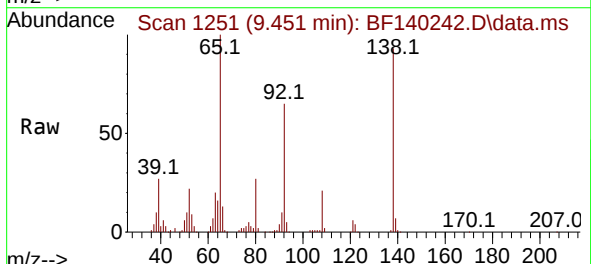
Manual Integrations
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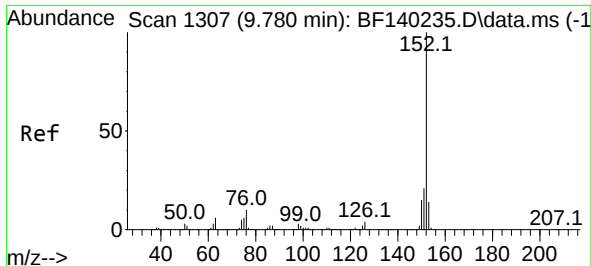
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#48
2-Nitroaniline
Concen: 9.414 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

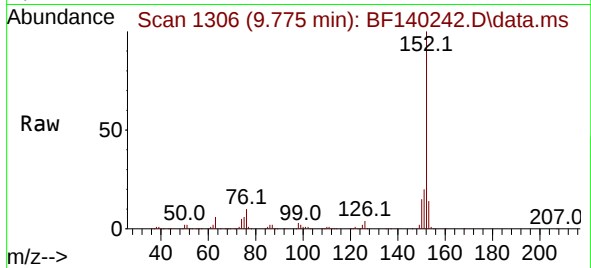
Tgt Ion: 65 Resp: 118135
Ion Ratio Lower Upper
65 100
92 65.3 51.6 77.4
138 92.9 73.0 109.6





#49
Acenaphthylene
Concen: 10.353 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

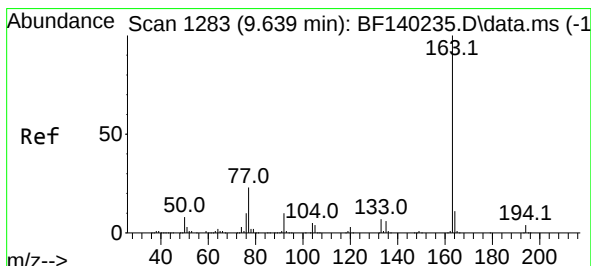
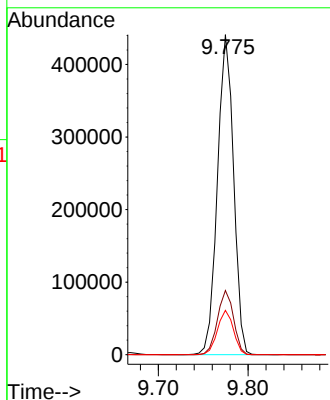
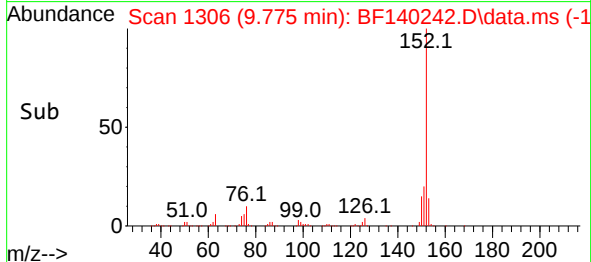
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:152 Resp: 54997
Ion Ratio Lower Upper
152 100
151 20.1 16.4 24.6
153 13.8 11.1 16.7

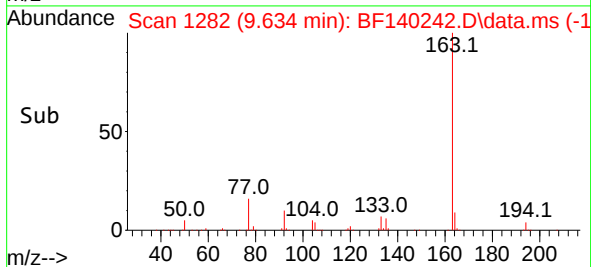
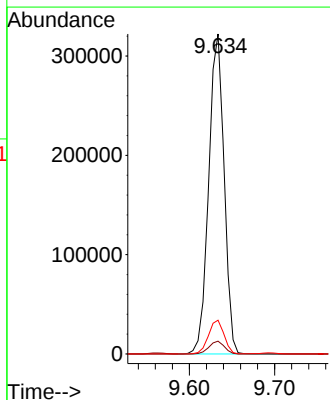
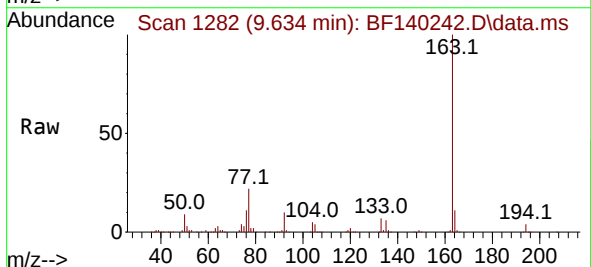
Manual Integrations
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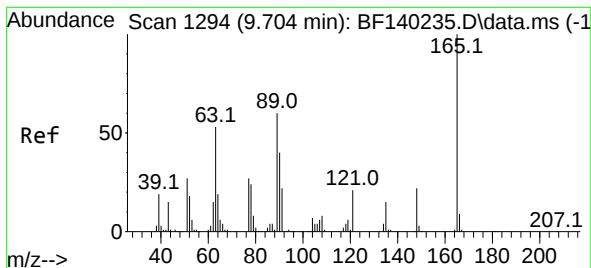
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#50
Dimethylphthalate
Concen: 9.524 ng
RT: 9.634 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

Tgt Ion:163 Resp: 404547
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.6 8.6 13.0





#51

2,6-Dinitrotoluene

Concen: 9.210 ng

RT: 9.692 min Scan# 1294

Delta R.T. -0.012 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

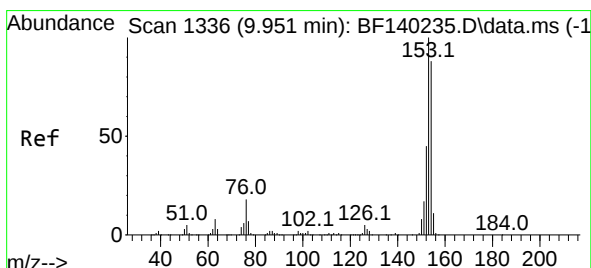
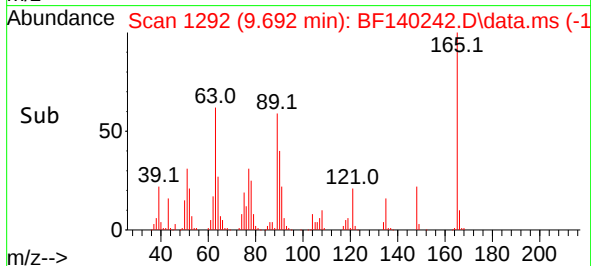
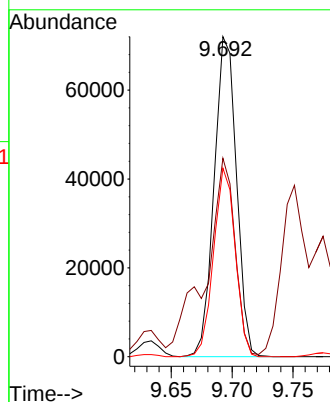
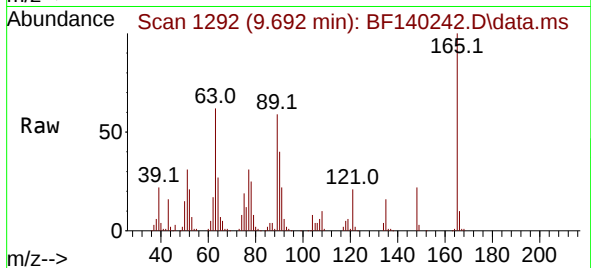
Tgt Ion:	165	Resp:	9196
Ion Ratio	Lower	Upper	
165	100		
63	62.0	48.8	73.2
89	58.9	48.1	72.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#52

Acenaphthene

Concen: 9.956 ng

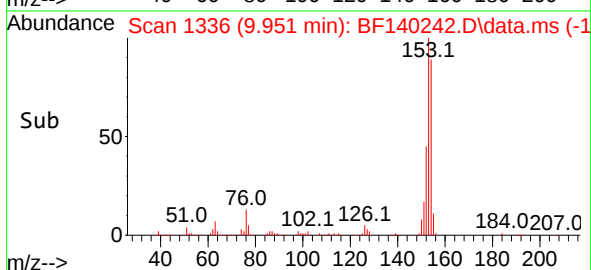
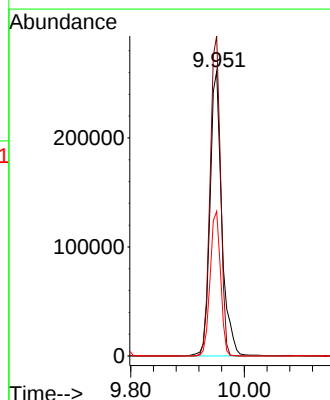
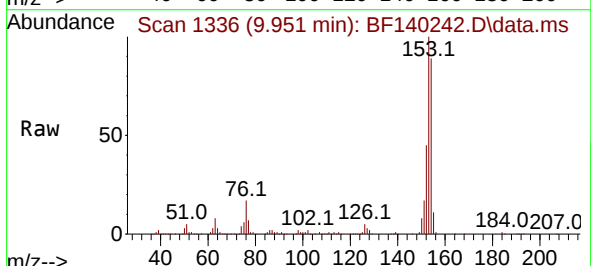
RT: 9.951 min Scan# 1336

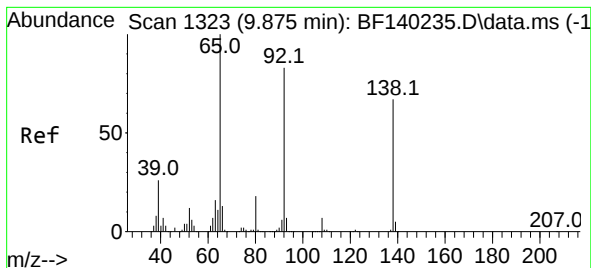
Delta R.T. 0.000 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

Tgt Ion:	154	Resp:	375160
Ion Ratio	Lower	Upper	
154	100		
153	112.4	91.3	136.9
152	50.8	41.4	62.2





#53

3-Nitroaniline

Concen: 9.531 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

Instrument :

BNA_F

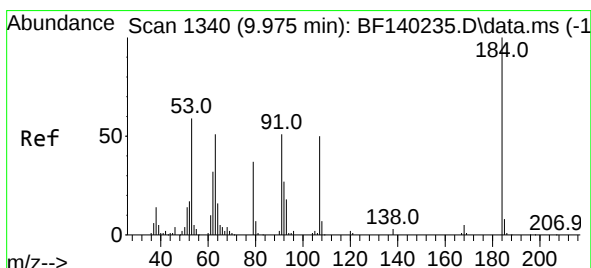
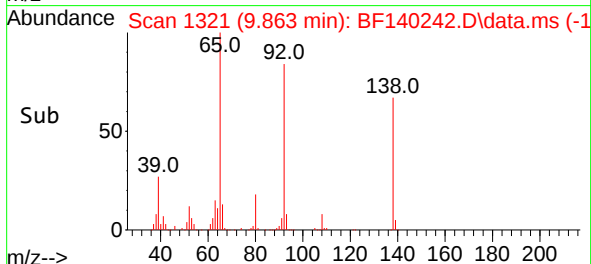
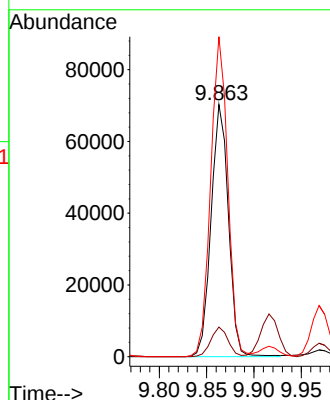
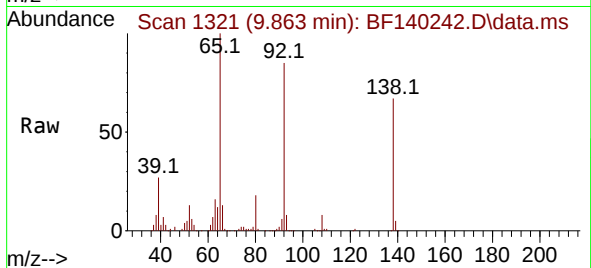
ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:138	Resp:	8960
Ion Ratio	Lower	Upper
138	100	
108	11.7	8.8 13.2
92	126.9	100.0 150.0

Manual Integrations
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Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#54

2,4-Dinitrophenol

Concen: 15.893 ng

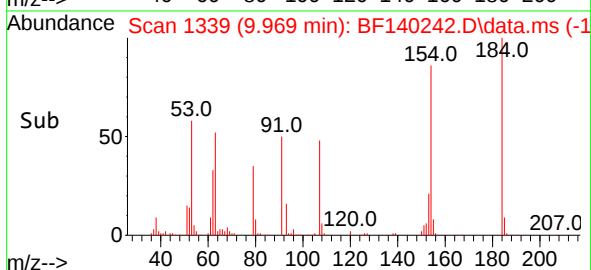
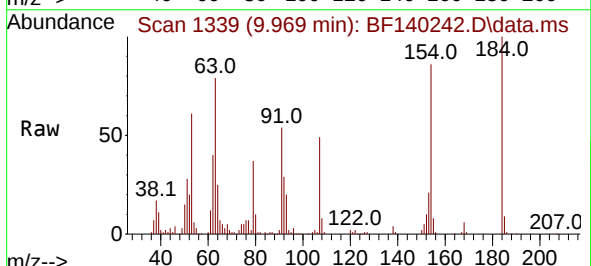
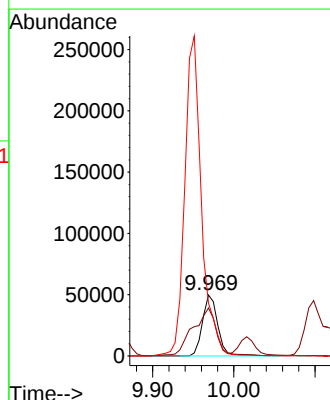
RT: 9.969 min Scan# 1339

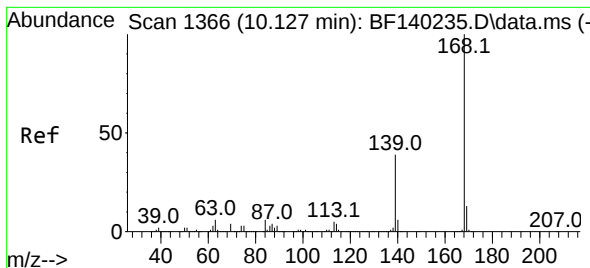
Delta R.T. -0.006 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

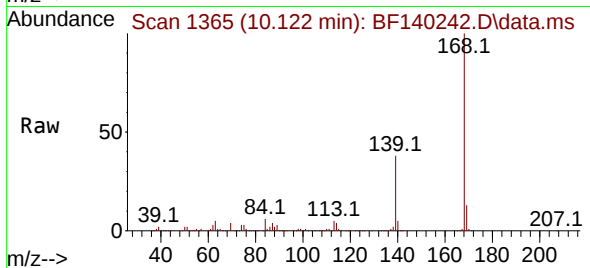
Tgt Ion:184	Resp:	65541
Ion Ratio	Lower	Upper
184	100	
63	78.9	60.1 90.1
154	86.3	66.3 99.5





#55
Dibenzenofuran
Concen: 9.933 ng
RT: 10.122 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

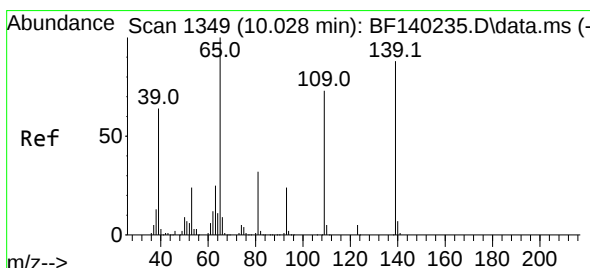
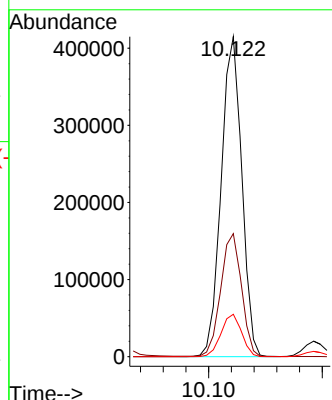
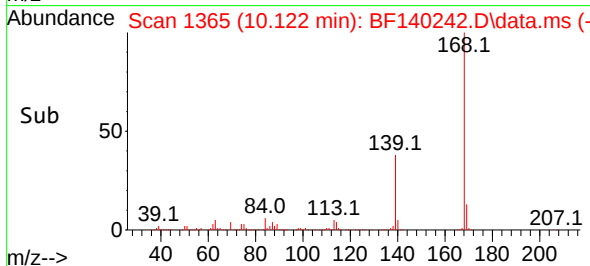
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:168 Resp: 52339
Ion Ratio Lower Upper
168 100
139 38.5 31.5 47.3
169 13.3 10.6 15.8

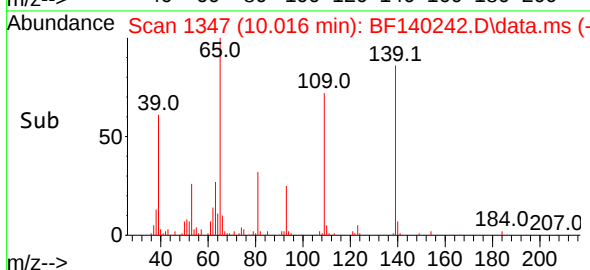
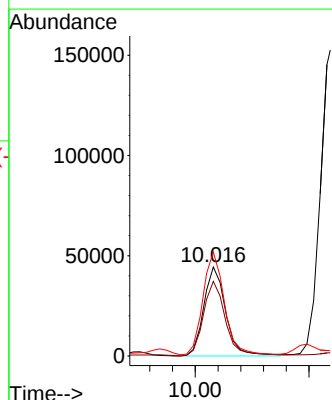
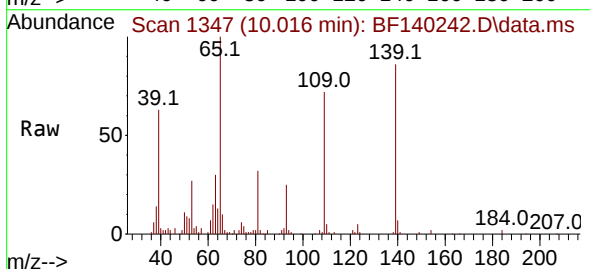
Manual Integrations
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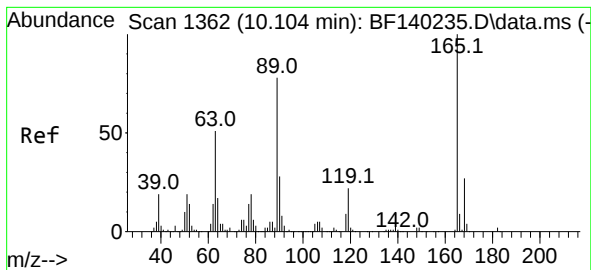
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#56
4-Nitrophenol
Concen: 8.985 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.012 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

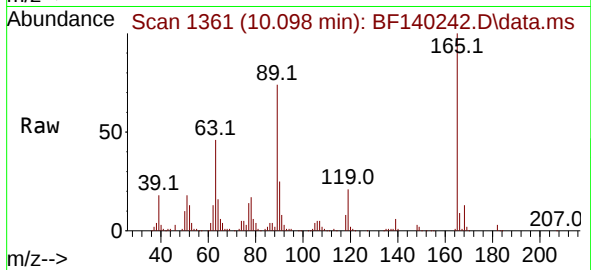
Tgt Ion:139 Resp: 59397
Ion Ratio Lower Upper
139 100
109 83.8 63.8 103.8
65 116.8 94.7 134.7





#57
2,4-Dinitrotoluene
Concen: 9.323 ng
RT: 10.098 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

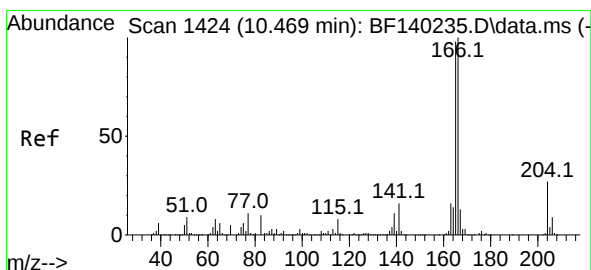
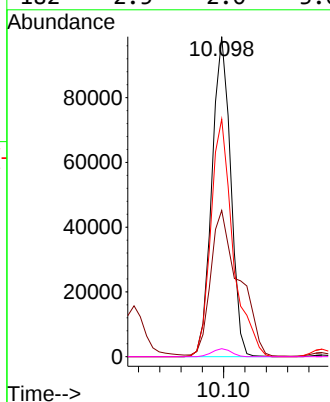
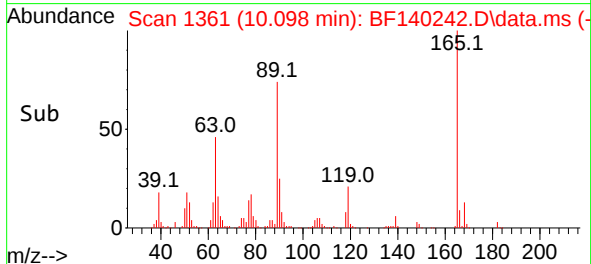
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:165 Resp: 12079
Ion Ratio Lower Upper
165 100
63 45.7 41.3 61.9
89 74.3 62.6 94.0
182 2.5 2.0 3.0

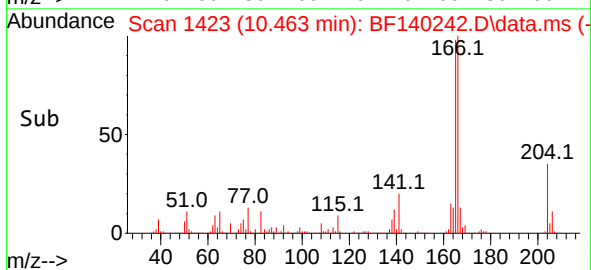
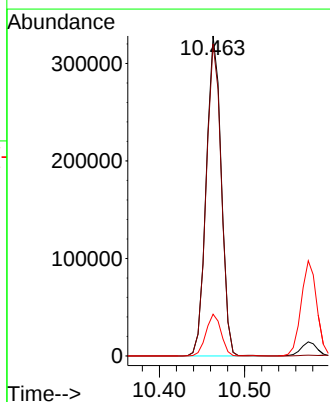
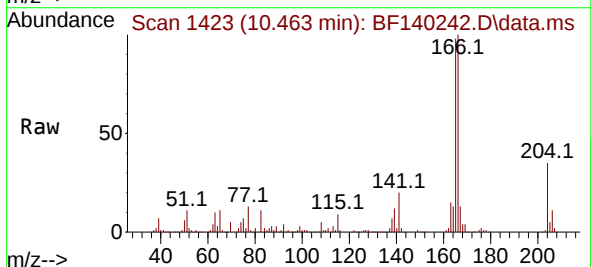
Manual Integrations
APPROVED

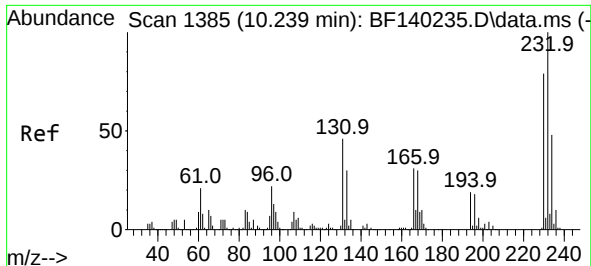
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#58
Fluorene
Concen: 9.579 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

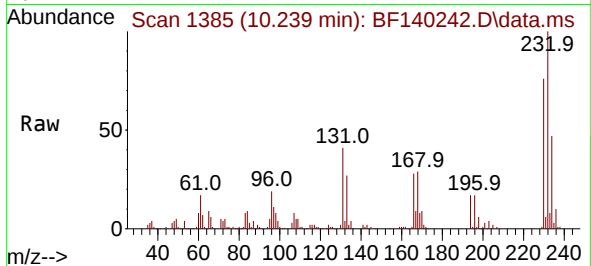
Tgt Ion:166 Resp: 401780
Ion Ratio Lower Upper
166 100
165 97.5 78.7 118.1
167 13.0 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 10.007 ng
RT: 10.239 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

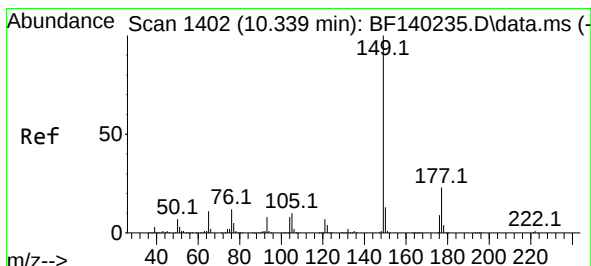
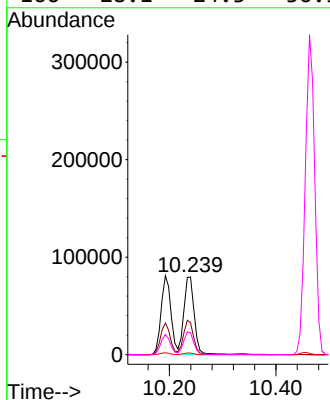
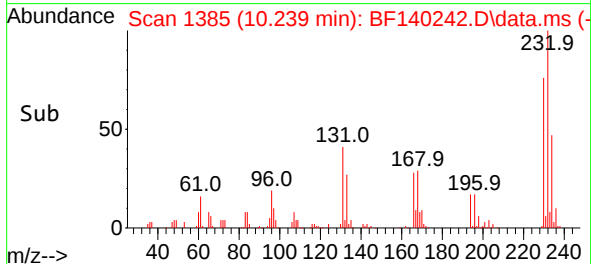
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:232 Resp: 107854
Ion Ratio Lower Upper
232 100
131 42.9 37.2 55.8
130 2.1 1.8 2.8
166 28.1 24.3 36.5

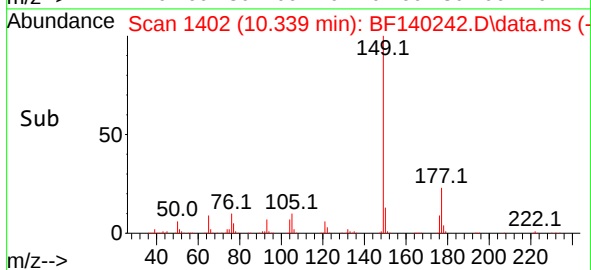
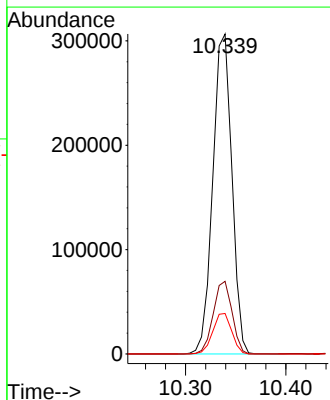
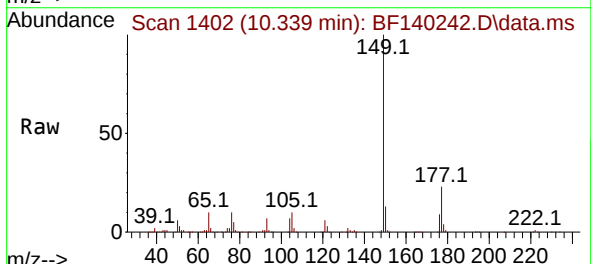
Manual Integrations
APPROVED

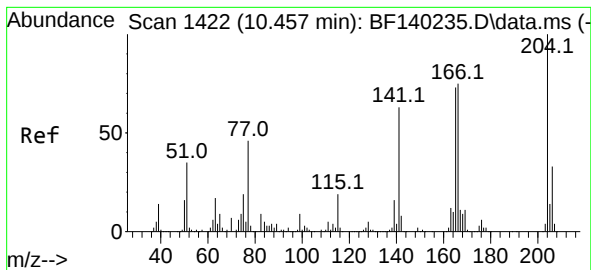
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#60
Diethylphthalate
Concen: 9.598 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

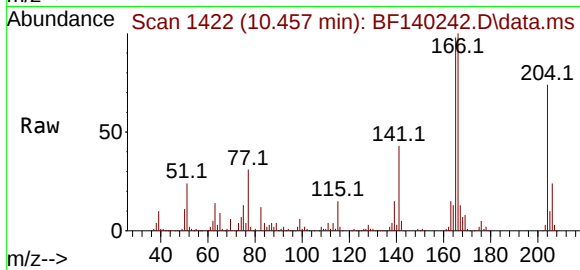
Tgt Ion:149 Resp: 405131
Ion Ratio Lower Upper
149 100
177 22.7 18.1 27.1
150 12.7 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 9.668 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

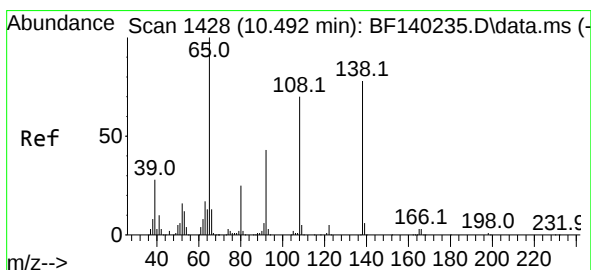
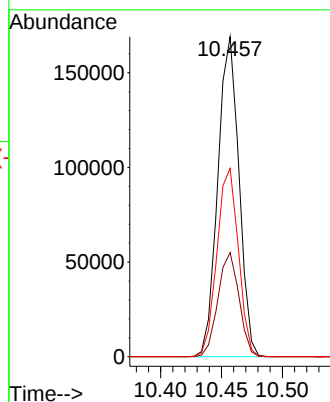
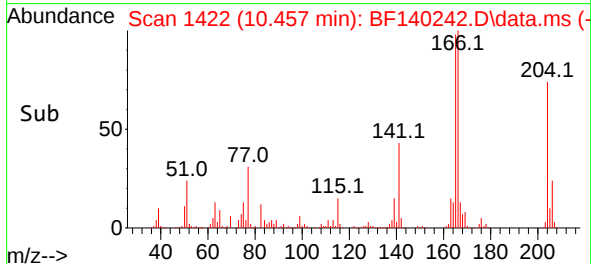
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



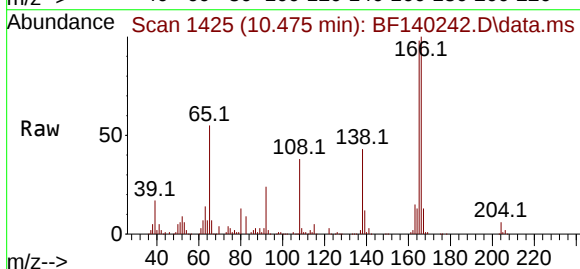
Tgt Ion:204 Resp: 20435
Ion Ratio Lower Upper
204 100
206 32.6 26.2 39.4
141 58.9 50.3 75.5

Manual Integrations
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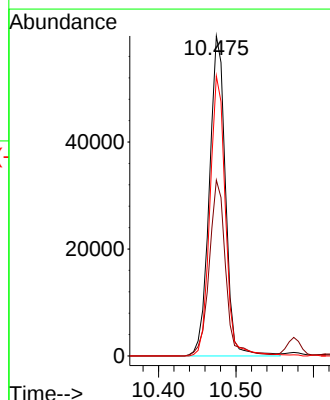
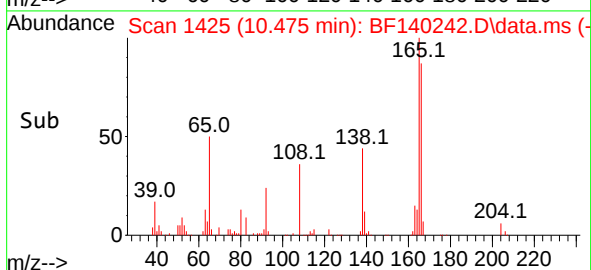
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

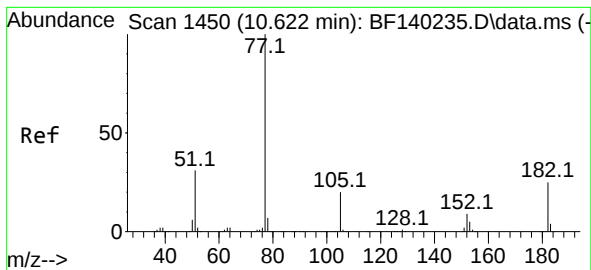


#62
4-Nitroaniline
Concen: 9.244 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30



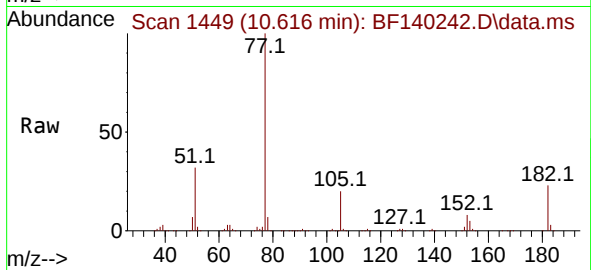
Tgt Ion:138 Resp: 86371
Ion Ratio Lower Upper
138 100
92 55.0 35.3 75.3
108 87.5 70.1 110.1





#63
Azobenzene
Concen: 9.720 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

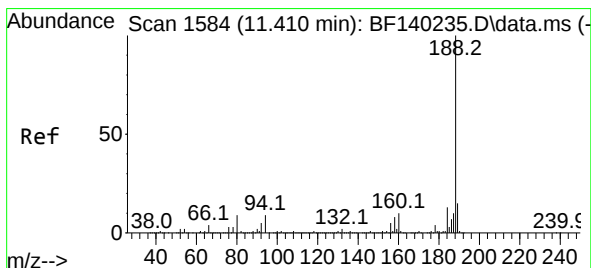
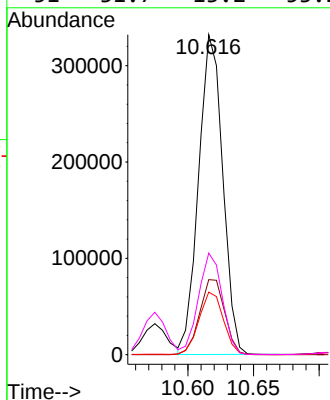
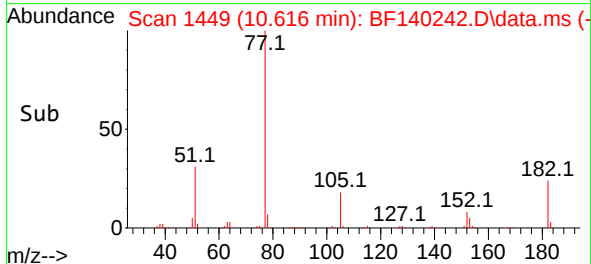
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 77 Resp: 425328
Ion Ratio Lower Upper
77 100
182 23.4 4.7 44.7
105 19.6 0.0 40.0
51 31.7 13.2 53.2

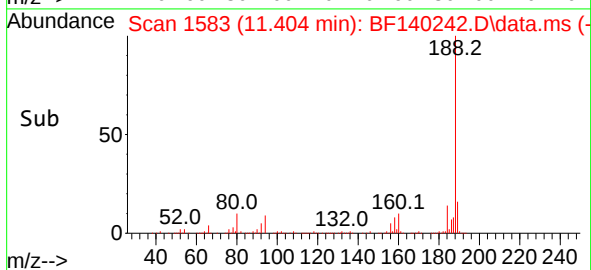
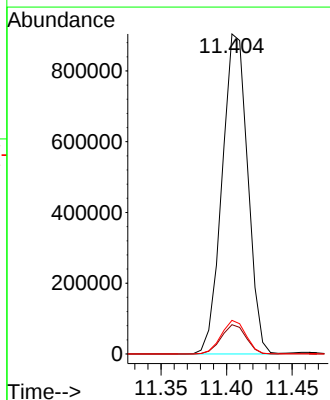
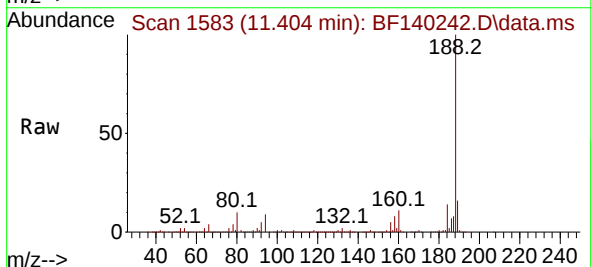
Manual Integrations
APPROVED

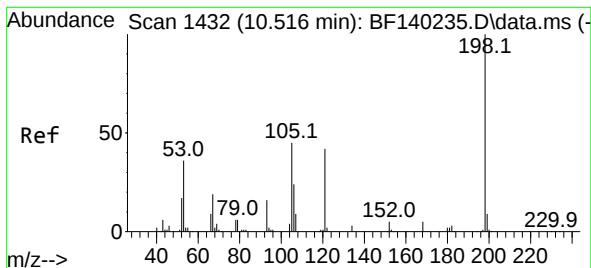
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

Tgt Ion:188 Resp: 1228038
Ion Ratio Lower Upper
188 100
94 9.2 6.9 10.3
80 10.5 7.5 11.3





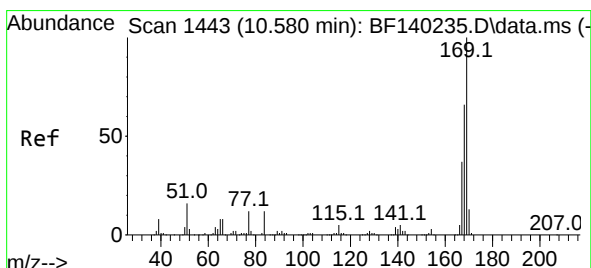
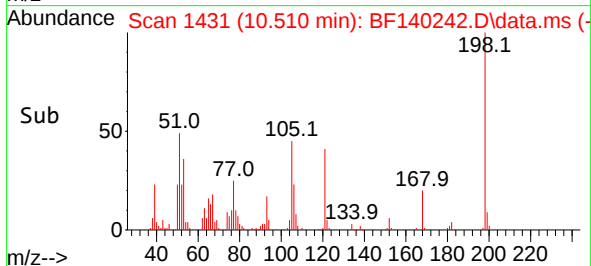
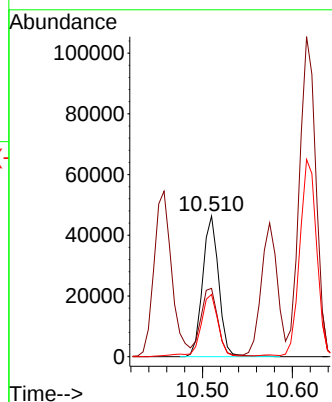
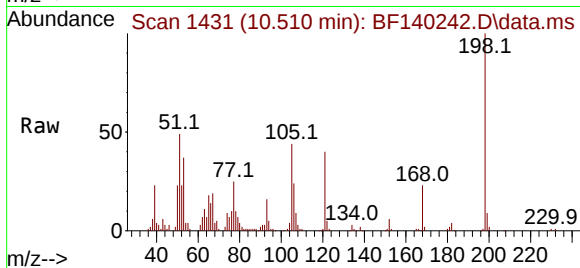
#65
4,6-Dinitro-2-methylphenol
Concen: 8.924 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:198 Resp: 57560
Ion Ratio Lower Upper
198 100
51 48.6 34.0 74.0
105 44.3 25.1 65.1

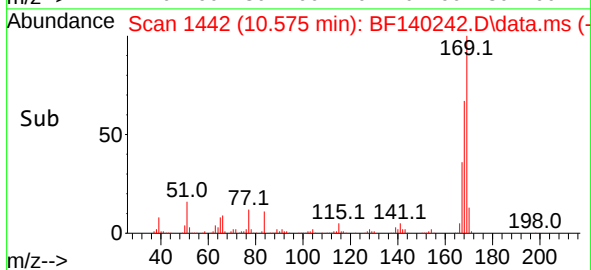
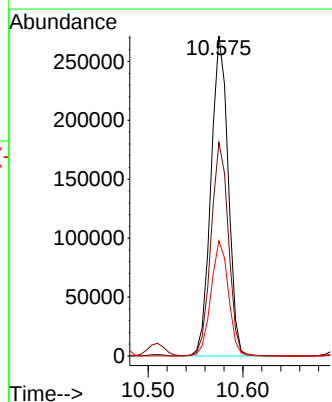
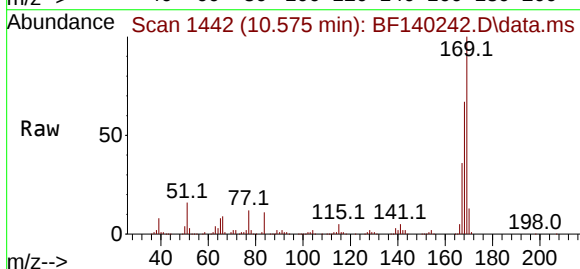
Manual Integrations
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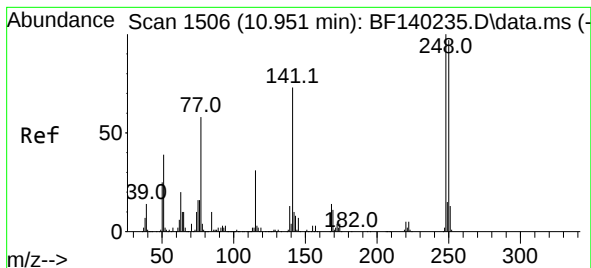
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#66
n-Nitrosodiphenylamine
Concen: 9.664 ng
RT: 10.575 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

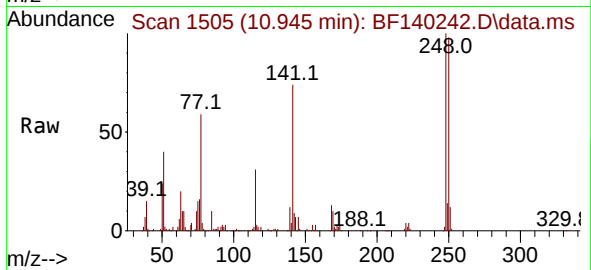
Tgt Ion:169 Resp: 341344
Ion Ratio Lower Upper
169 100
168 66.7 53.0 79.6
167 36.0 29.4 44.2





#67
4-Bromophenyl-phenylether
Concen: 9.646 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

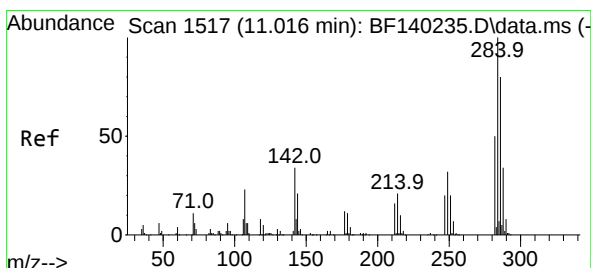
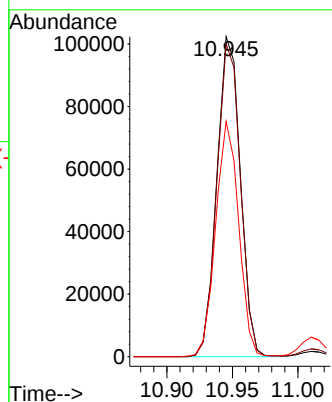
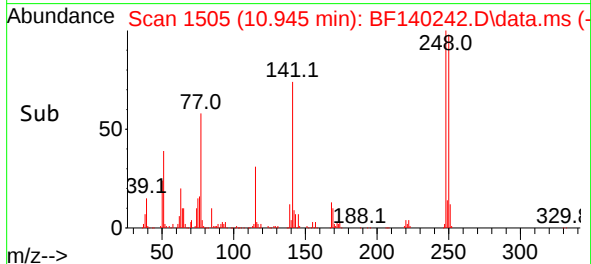
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



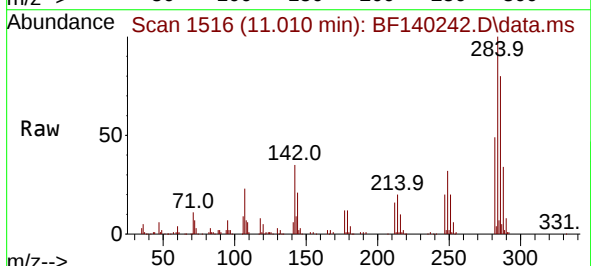
Tgt Ion:248 Resp: 127558
Ion Ratio Lower Upper
248 100
250 97.8 77.9 116.9
141 73.5 58.6 88.0

Manual Integrations
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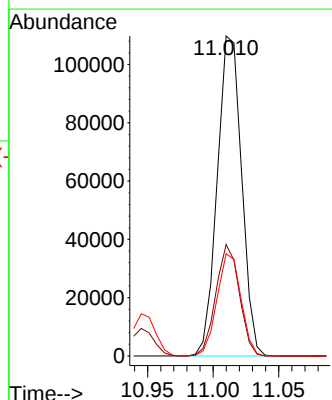
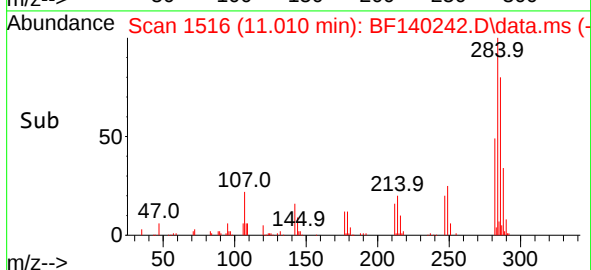
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

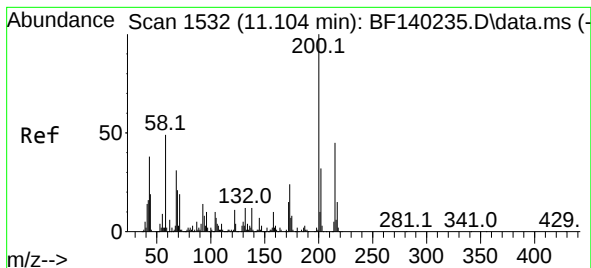


#68
Hexachlorobenzene
Concen: 9.400 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30



Tgt Ion:284 Resp: 141697
Ion Ratio Lower Upper
284 100
142 34.8 27.5 41.3
249 31.9 26.2 39.2





#69

Atrazine

Concen: 12.600 ng

RT: 11.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

Instrument :

BNA_F

ClientSampleId :

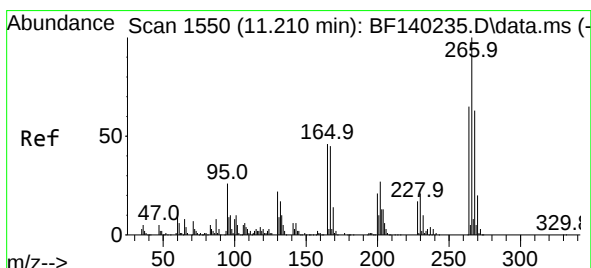
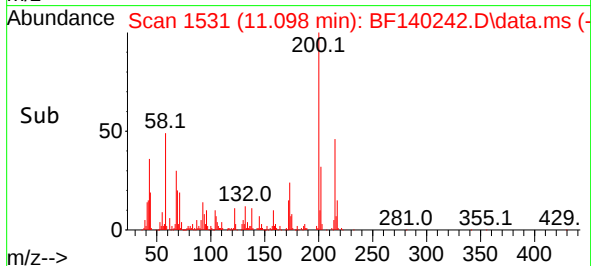
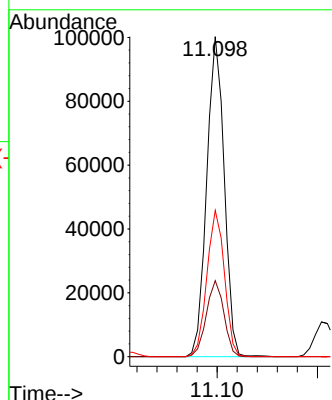
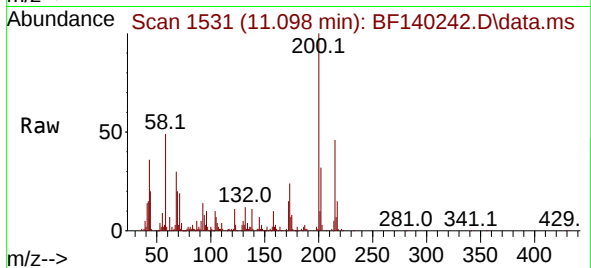
LOQ-SOIL-02-QT4-2024

Tgt Ion:200 Resp: 121759
Ion Ratio Lower Upper
200 100
173 23.8 4.4 44.4
215 45.7 25.2 65.2

Manual Integrations
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Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#70

Pentachlorophenol

Concen: 9.220 ng

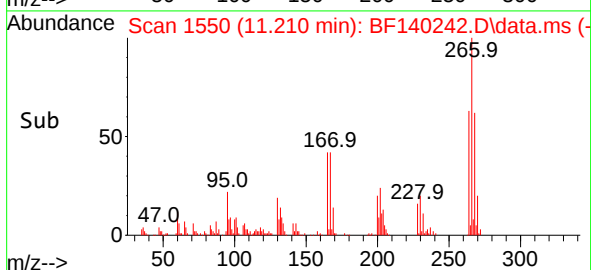
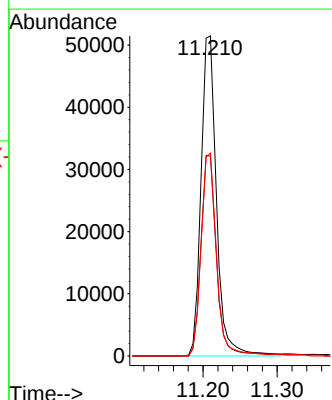
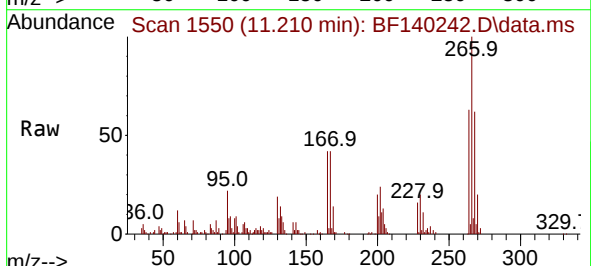
RT: 11.210 min Scan# 1550

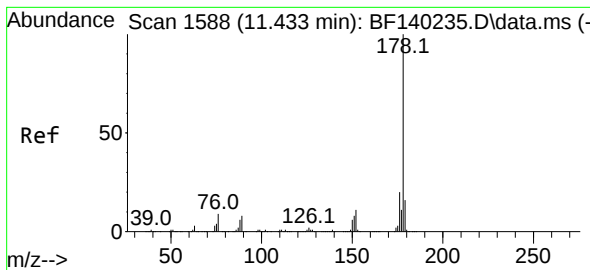
Delta R.T. 0.000 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

Tgt Ion:266 Resp: 74631
Ion Ratio Lower Upper
266 100
268 62.5 50.2 75.4
264 63.4 52.2 78.4





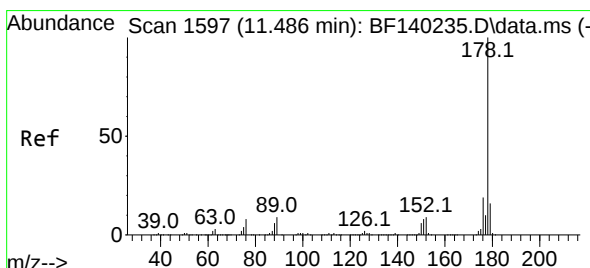
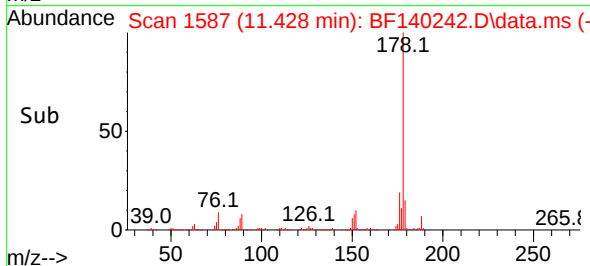
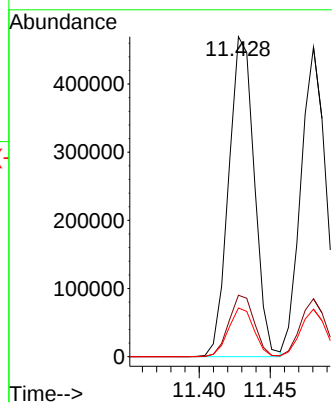
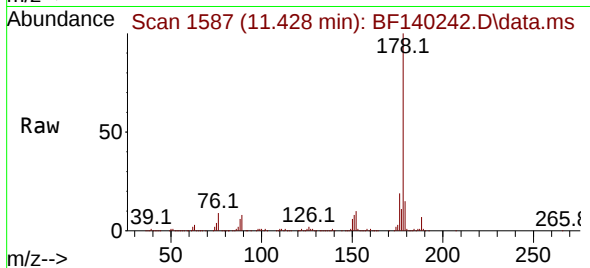
#71
Phenanthrene
Concen: 10.064 ng
RT: 11.428 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:178 Resp: 58978
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.2 12.6 18.8

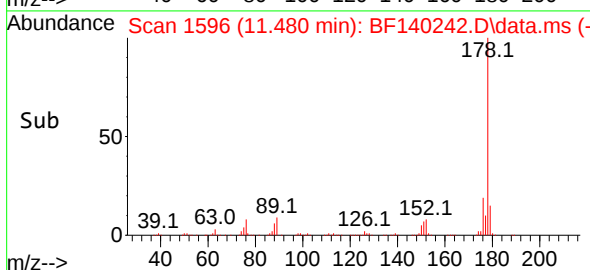
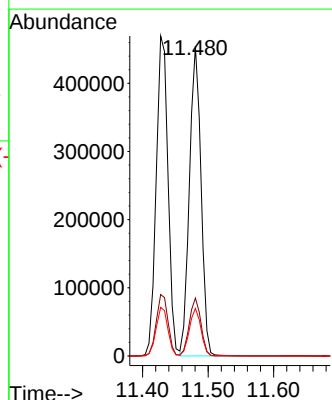
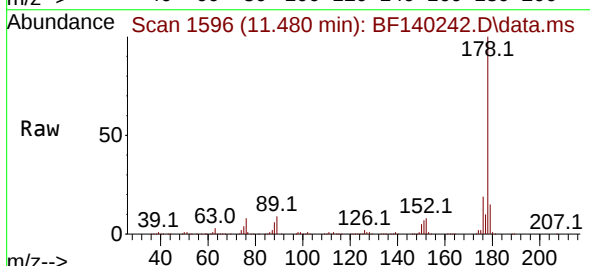
Manual Integrations
APPROVED

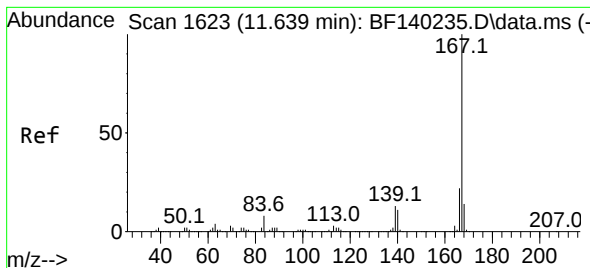
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#72
Anthracene
Concen: 9.665 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

Tgt Ion:178 Resp: 555413
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.3 12.7 19.1





#73

Carbazole

Concen: 9.598 ng

RT: 11.633 min Scan# 1622

Delta R.T. -0.006 min

Lab File: BF140242.D

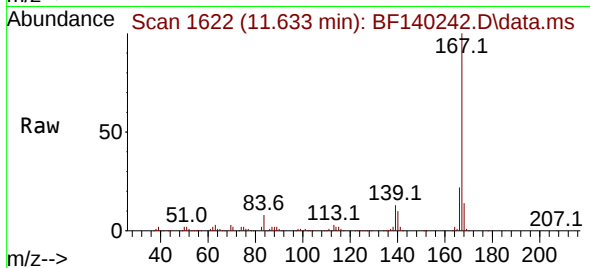
Acq: 05 Nov 2024 17:30

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:167 Resp: 503979

Ion Ratio Lower Upper

167 100

166 21.7 17.3 25.9

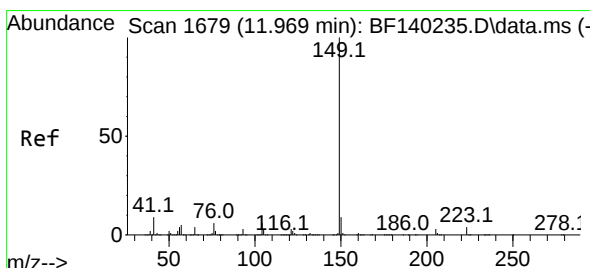
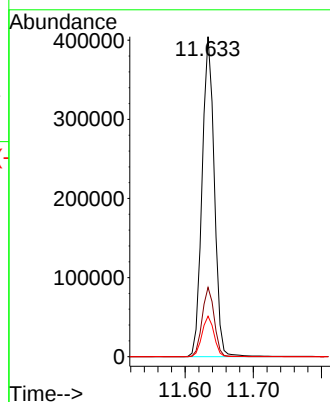
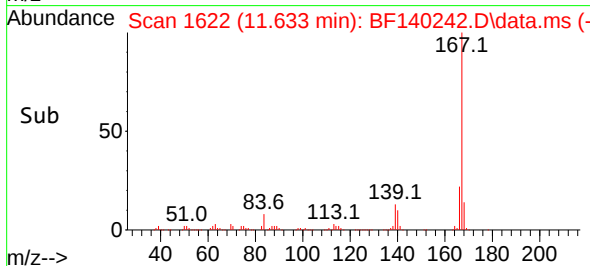
139 12.6 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#74

Di-n-butylphthalate

Concen: 9.900 ng

RT: 11.963 min Scan# 1678

Delta R.T. -0.006 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

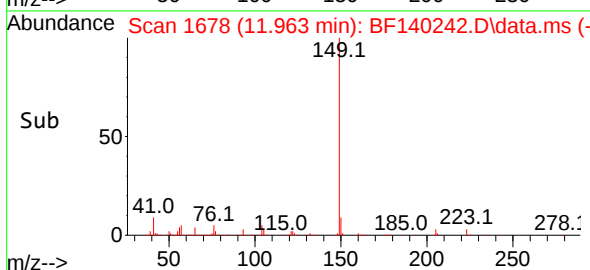
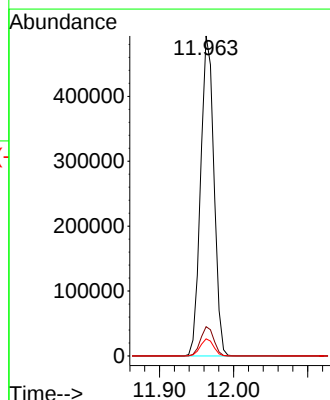
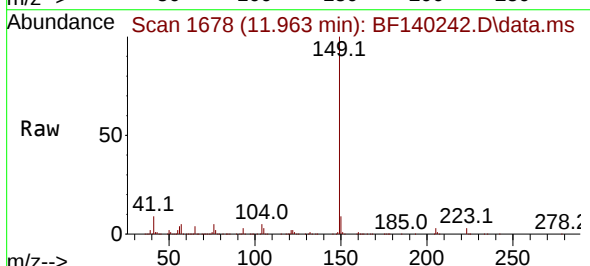
Tgt Ion:149 Resp: 615349

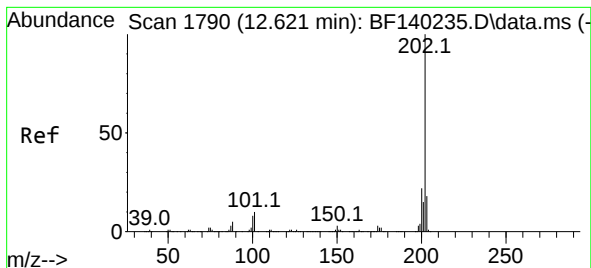
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 5.4 4.5 6.7





#75

Fluoranthene

Concen: 9.756 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

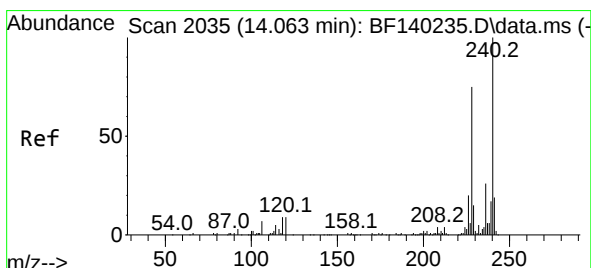
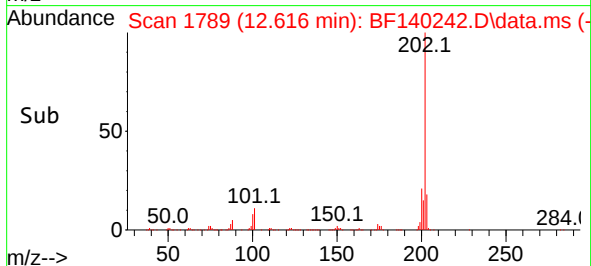
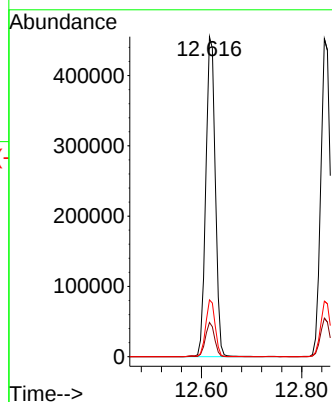
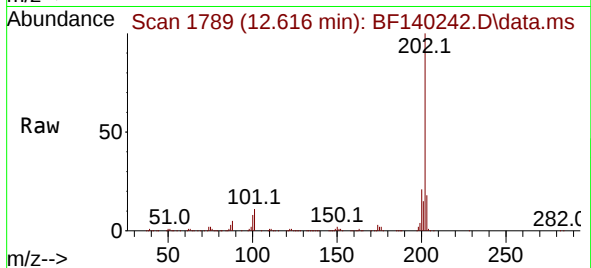
Tgt Ion:	202	Resp:	59785
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	30.4
203	17.7	0.0	38.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#76

Chrysene-d12

Concen: 20.000 ng

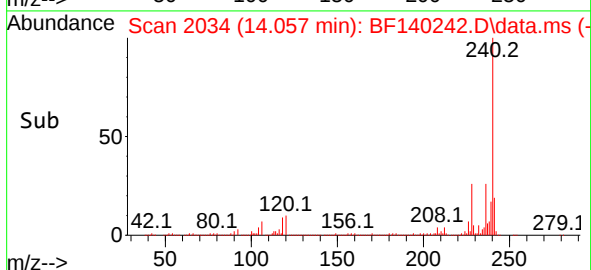
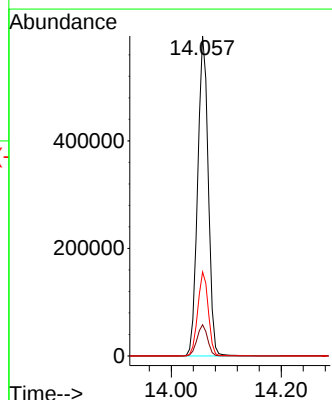
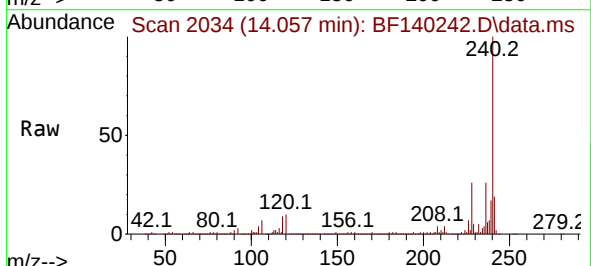
RT: 14.057 min Scan# 2034

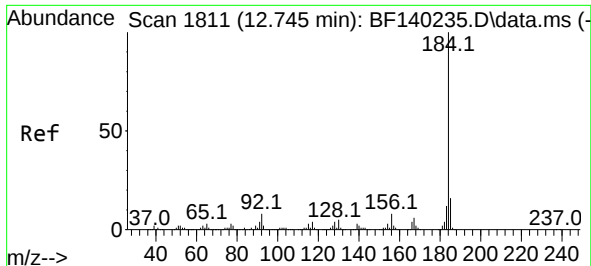
Delta R.T. -0.006 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

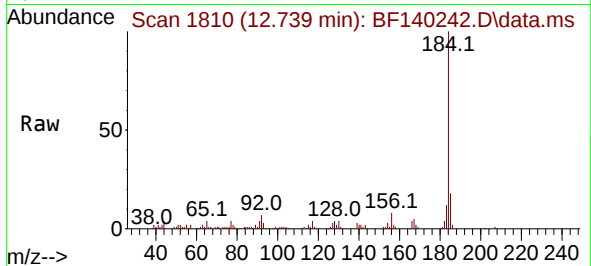
Tgt Ion:	240	Resp:	796087
Ion Ratio	Lower	Upper	
240	100		
120	9.7	7.5	11.3
236	26.3	20.9	31.3





#77
Benzidine
Concen: 4.811 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

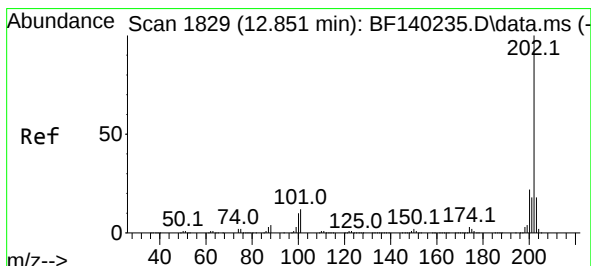
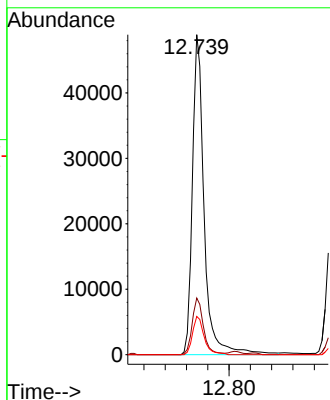
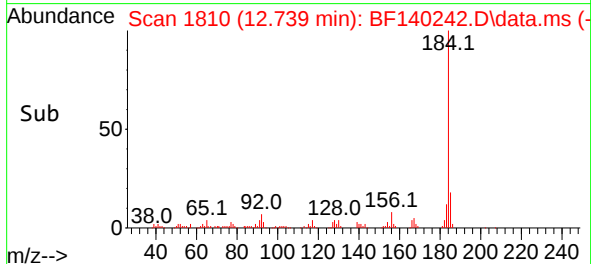
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



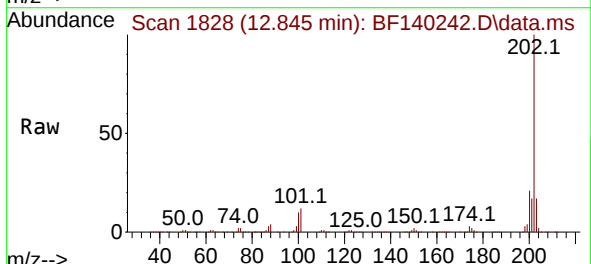
Tgt Ion:184 Resp: 7488
Ion Ratio Lower Upper
184 100
185 17.7 12.5 18.7
183 12.0 9.3 13.9

Manual Integrations
APPROVED

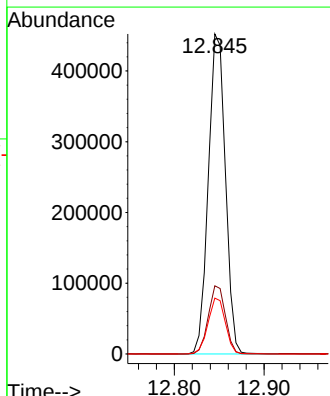
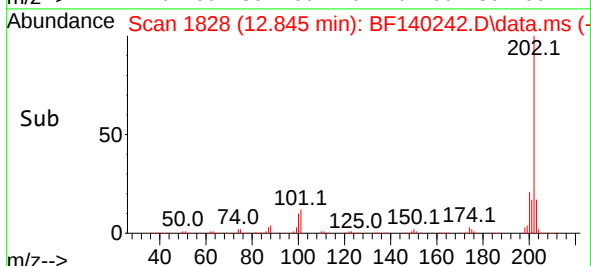
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

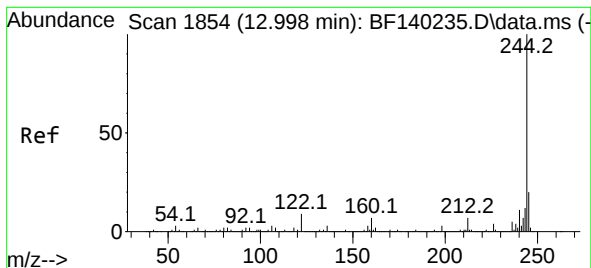


#78
Pyrene
Concen: 9.090 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30



Tgt Ion:202 Resp: 597495
Ion Ratio Lower Upper
202 100
200 21.3 17.5 26.3
203 17.5 14.4 21.6





#79

Terphenyl-d14

Concen: 58.258 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF140242.D

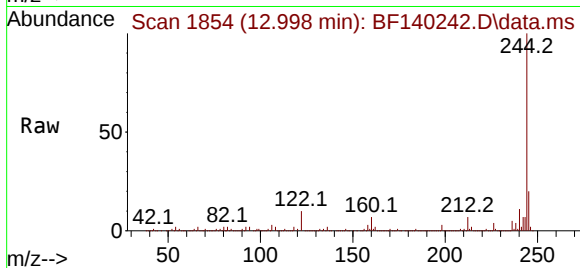
Acq: 05 Nov 2024 17:30

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:244 Resp: 283120

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

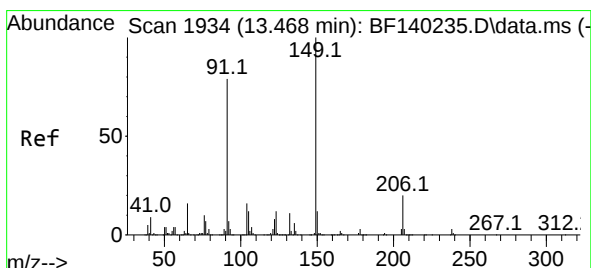
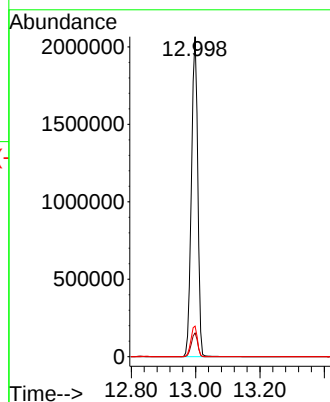
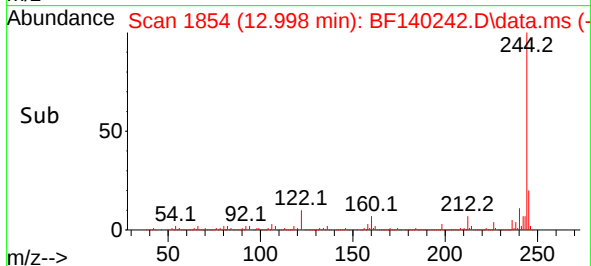
122 9.6 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#80

Butylbenzylphthalate

Concen: 9.524 ng

RT: 13.469 min Scan# 1934

Delta R.T. 0.000 min

Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

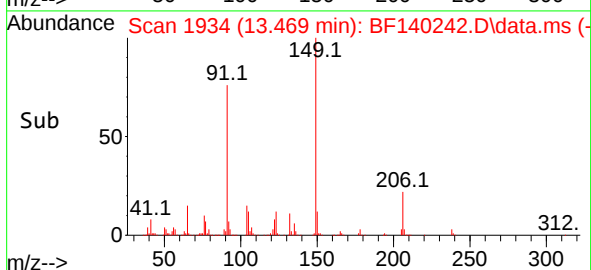
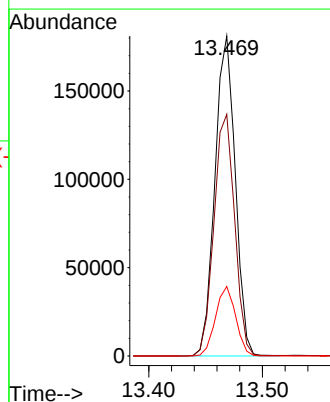
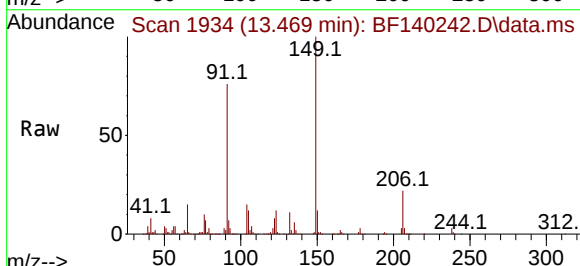
Tgt Ion:149 Resp: 225425

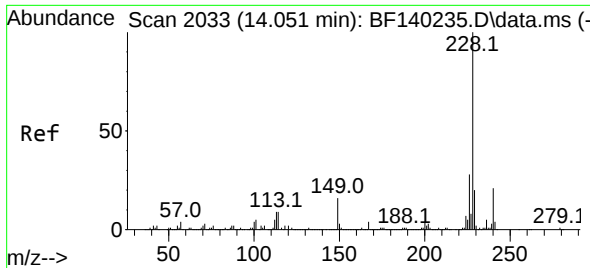
Ion Ratio Lower Upper

149 100

91 75.5 63.0 94.4

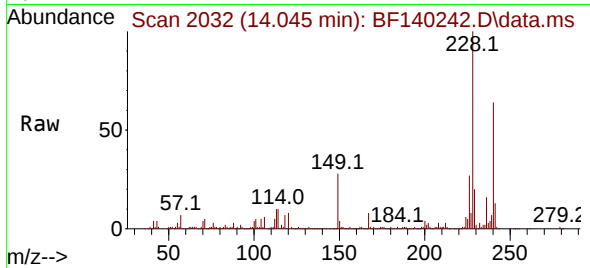
206 21.7 16.4 24.6





#81
Benzo(a)anthracene
Concen: 9.153 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

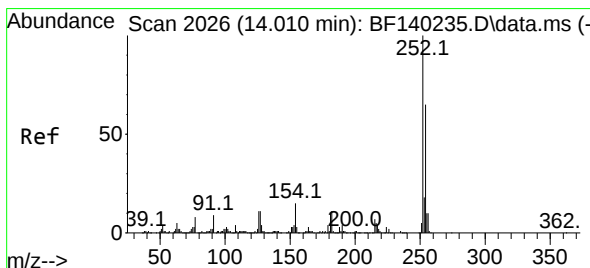
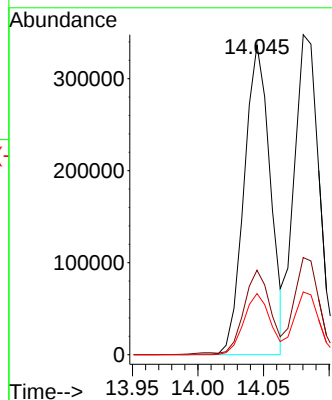
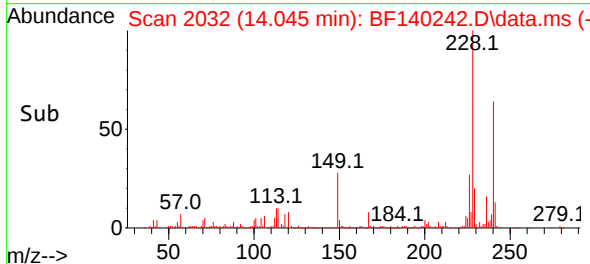
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



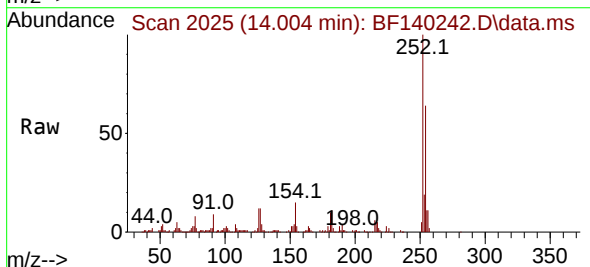
Tgt Ion:228 Resp: 46761
Ion Ratio Lower Upper
228 100
226 27.3 22.3 33.5
229 19.7 16.1 24.1

Manual Integrations
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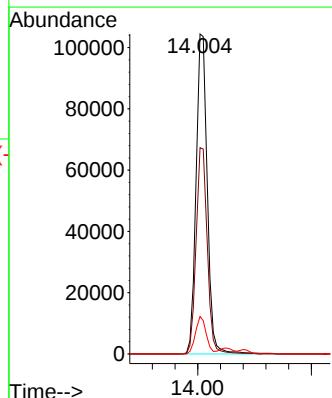
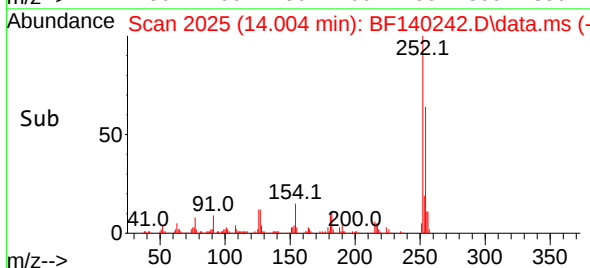
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

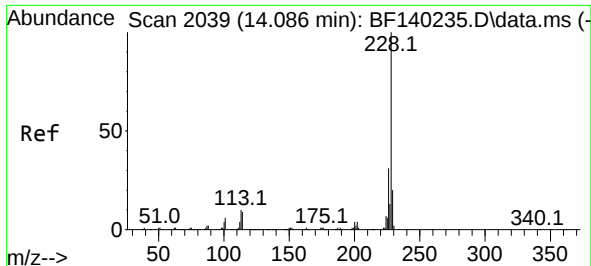


#82
3,3'-Dichlorobenzidine
Concen: 8.956 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30



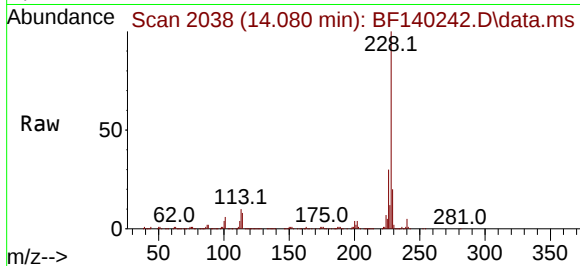
Tgt Ion:252 Resp: 143689
Ion Ratio Lower Upper
252 100
254 64.5 51.8 77.8
126 11.7 8.6 12.8





#83
Chrysene
Concen: 9.596 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

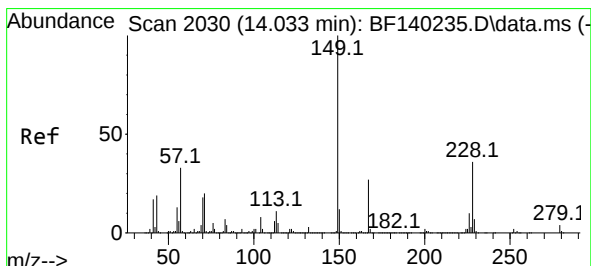
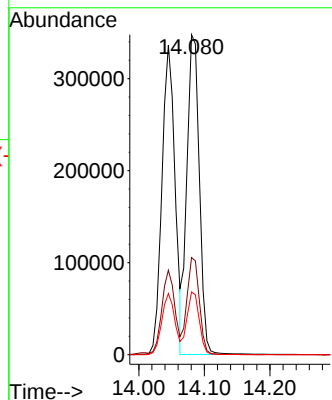
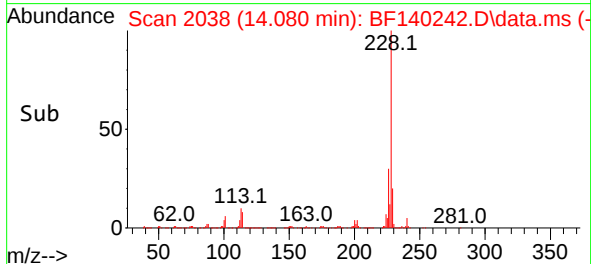
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2024



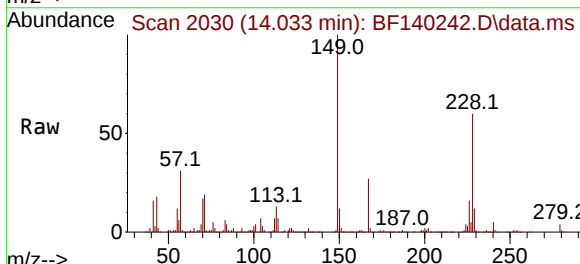
Tgt Ion:228 Resp: 45908
Ion Ratio Lower Upper
228 100
226 30.4 24.6 36.8
229 19.6 16.1 24.1

Manual Integrations
APPROVED

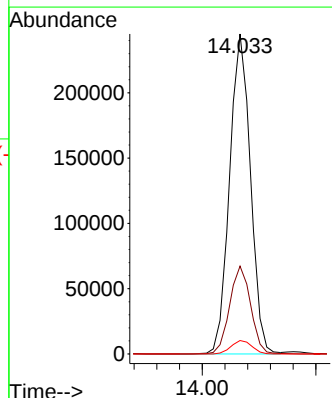
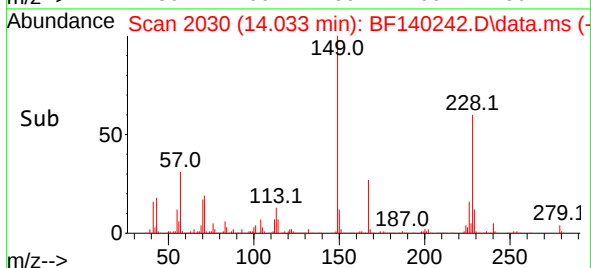
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

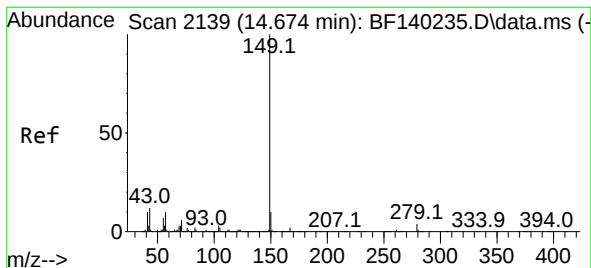


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.417 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30



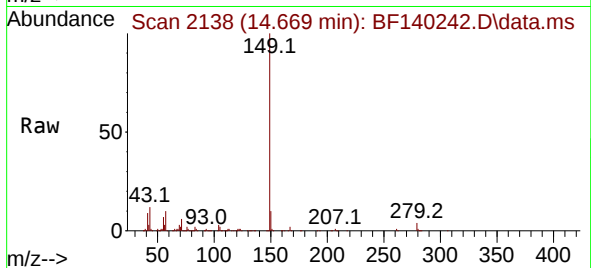
Tgt Ion:149 Resp: 312388
Ion Ratio Lower Upper
149 100
167 27.4 21.8 32.8
279 4.2 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 9.338 ng
RT: 14.669 min Scan# 2139
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

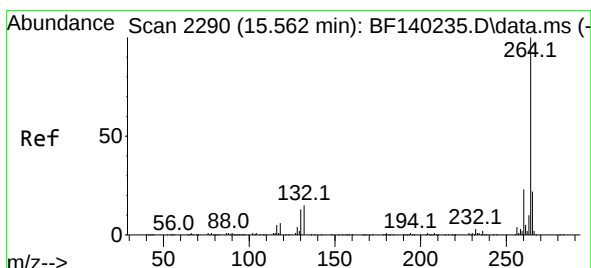
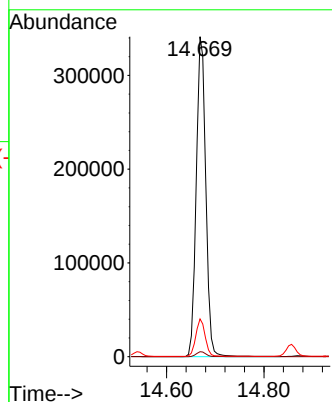
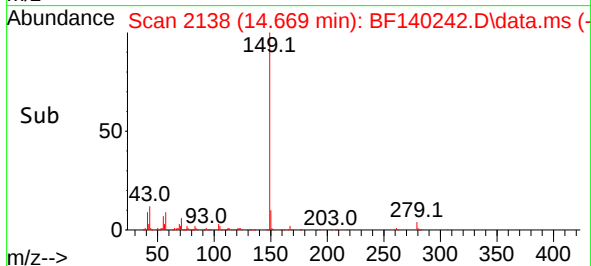
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2024



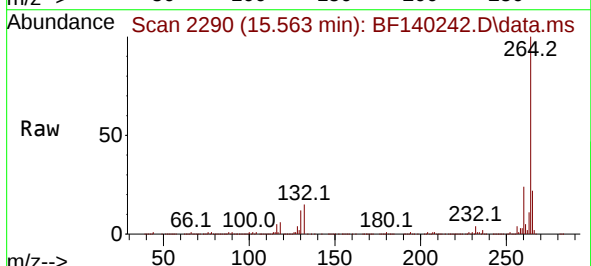
Tgt Ion:149 Resp: 46625
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.6 9.7 14.5

Manual Integrations
APPROVED

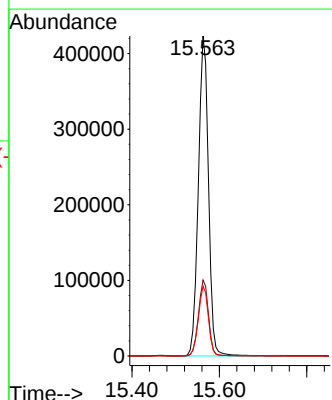
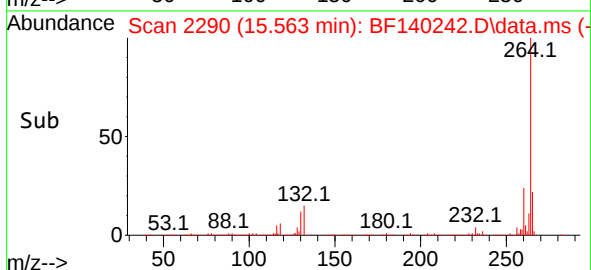
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

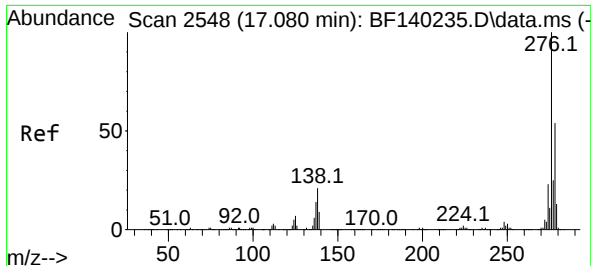


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2290
Delta R.T. 0.000 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30



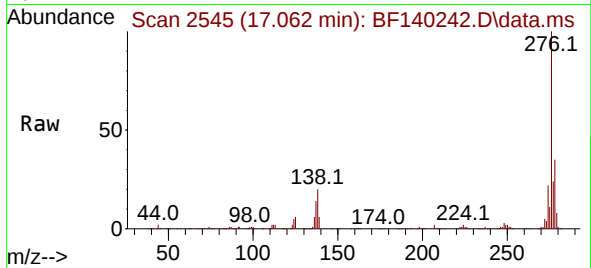
Tgt Ion:264 Resp: 682298
Ion Ratio Lower Upper
264 100
260 23.8 18.8 28.2
265 21.8 17.3 25.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.429 ng
RT: 17.062 min Scan# 2115
Delta R.T. -0.018 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

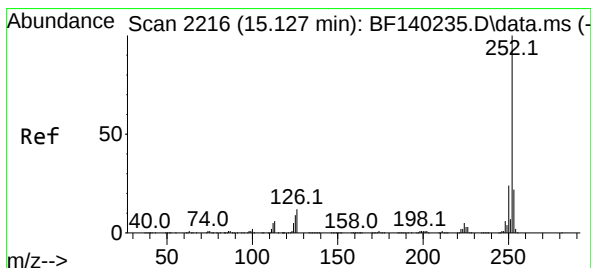
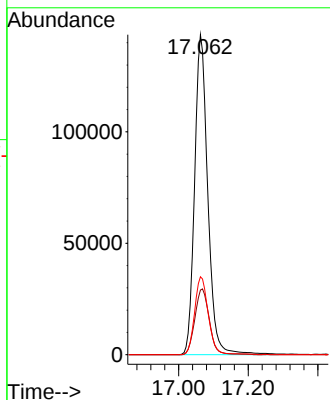
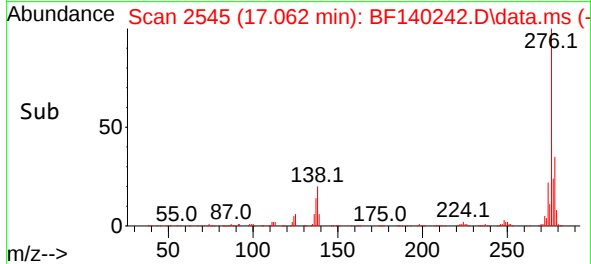
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2024



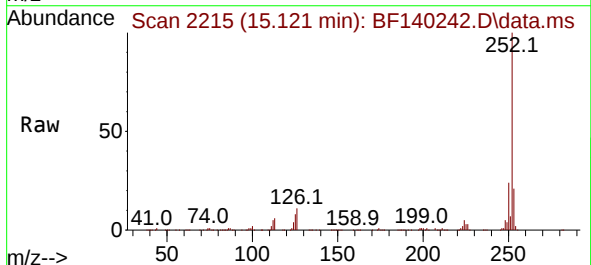
Tgt Ion:276 Resp: 37761
Ion Ratio Lower Upper
276 100
138 22.2 17.6 26.4
277 25.2 20.2 30.2

Manual Integrations
APPROVED

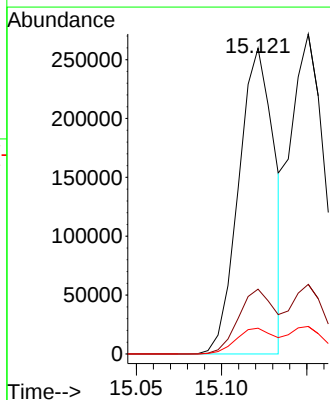
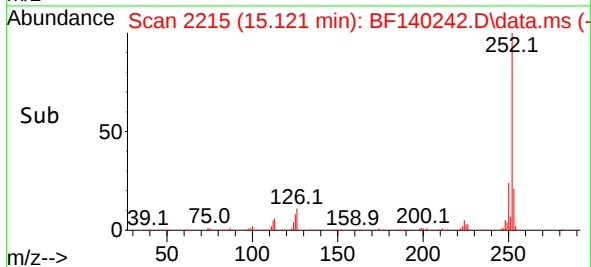
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

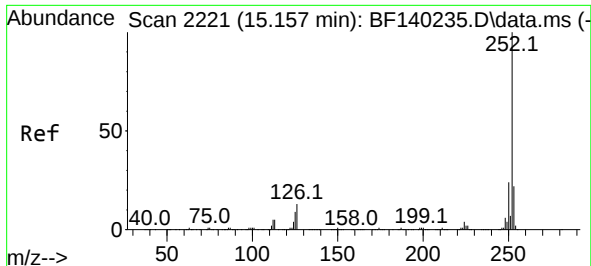


#88
Benzo(b)fluoranthene
Concen: 9.155 ng
RT: 15.121 min Scan# 2215
Delta R.T. -0.006 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30



Tgt Ion:252 Resp: 377825
Ion Ratio Lower Upper
252 100
253 21.2 17.9 26.9
125 8.4 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 10.302 ng

RT: 15.151 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140242.D

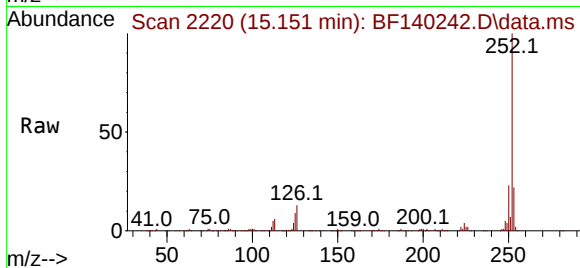
Acq: 05 Nov 2024 17:30

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:252 Resp: 39012

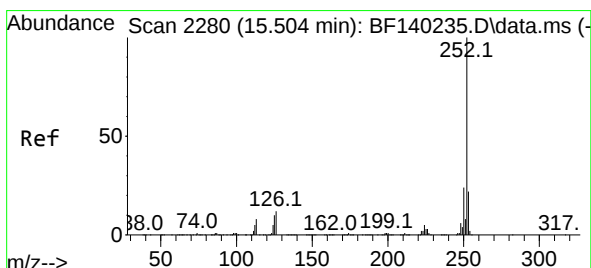
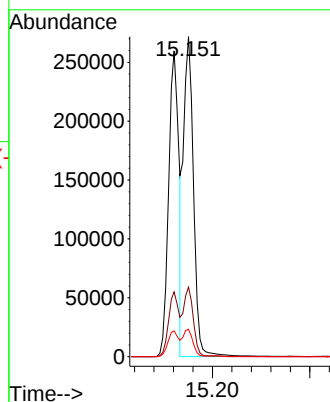
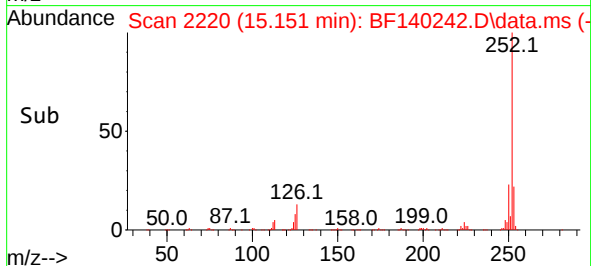
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	8.6	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#90

Benzo(a)pyrene

Concen: 9.861 ng

RT: 15.498 min Scan# 2279

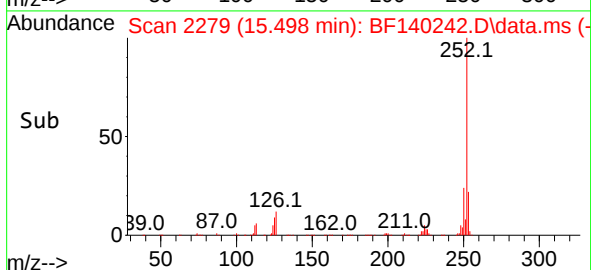
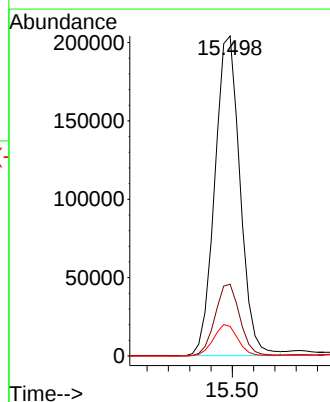
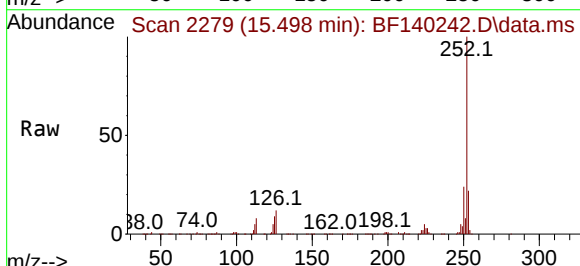
Delta R.T. -0.006 min

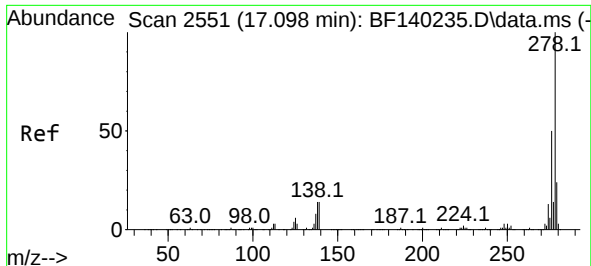
Lab File: BF140242.D

Acq: 05 Nov 2024 17:30

Tgt Ion:252 Resp: 335541

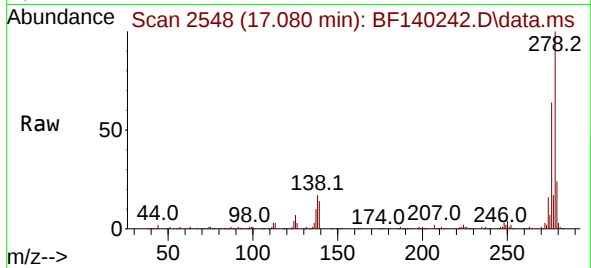
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	9.2	7.6	11.4





#91
Dibenzo(a,h)anthracene
Concen: 9.280 ng
RT: 17.080 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30

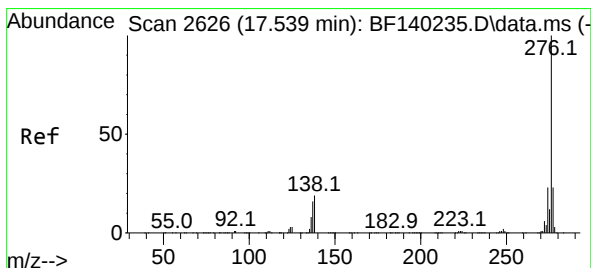
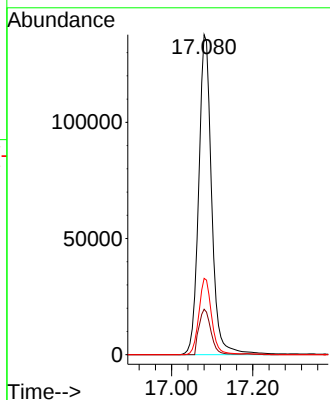
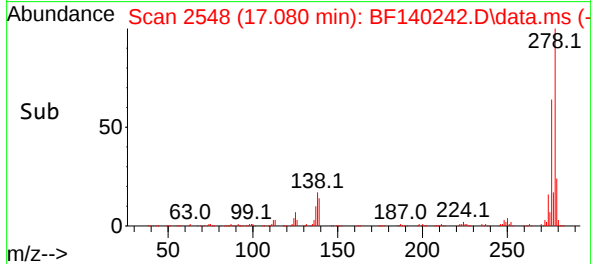
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



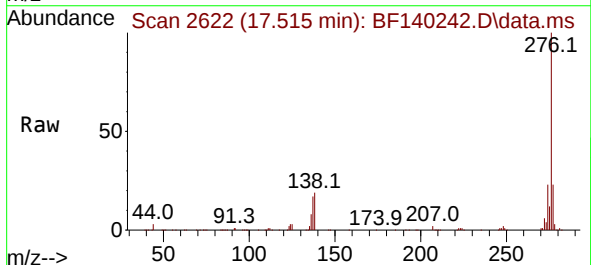
Tgt Ion:278 Resp: 30577
Ion Ratio Lower Upper
278 100
139 14.2 11.1 16.7
279 23.8 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#92
Benzo(g,h,i)perylene
Concen: 8.529 ng
RT: 17.515 min Scan# 2622
Delta R.T. -0.023 min
Lab File: BF140242.D
Acq: 05 Nov 2024 17:30



Tgt Ion:276 Resp: 286705
Ion Ratio Lower Upper
276 100
277 23.5 18.8 28.2
138 19.1 15.3 22.9

