

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110624\
 Data File : BF140255.D
 Acq On : 06 Nov 2024 13:34
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-10 PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 14:01:16 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 16:47:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	165212	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	623318	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	378192	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	670348	20.000	ng	0.00
76) Chrysene-d12	14.062	240	422007	20.000	ng	0.00
86) Perylene-d12	15.574	264	370601	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	1106390	110.980	ng	0.00
7) Phenol-d6	6.504	99	1422794	110.957	ng	0.00
23) Nitrobenzene-d5	7.439	82	999191	79.699	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	436742	116.831	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1827380	77.156	ng	0.00
79) Terphenyl-d14	12.992	244	1978421	76.798	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.675	88	48571	10.597	ng	96
3) Pyridine	3.463	79	108960	9.743	ng	95
4) n-Nitrosodimethylamine	3.369	42	60267	9.334	ng	97
6) Aniline	6.539	93	153355	13.237	ng	97
8) 2-Chlorophenol	6.663	128	114653	10.992	ng	99
9) Benzaldehyde	6.428	77	100450	12.717	ng	98
10) Phenol	6.516	94	144922	10.641	ng	95
11) bis(2-Chloroethyl)ether	6.610	93	111039	10.733	ng	98
12) 1,3-Dichlorobenzene	6.816	146	128868	10.543	ng	98
13) 1,4-Dichlorobenzene	6.892	146	130054	10.549	ng	99
14) 1,2-Dichlorobenzene	7.045	146	121939	10.590	ng	98
15) Benzyl Alcohol	7.010	79	116044	11.739	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	178712	10.672	ng	99
17) 2-Methylphenol	7.116	107	91346	10.498	ng	97
18) Hexachloroethane	7.386	117	45867	9.988	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	86746	10.604	ng	97
20) 3+4-Methylphenols	7.269	107	117708	10.771	ng	92
22) Acetophenone	7.281	105	168559	10.907	ng	# 91
24) Nitrobenzene	7.457	77	131787	10.018	ng	98
25) Isophorone	7.686	82	226153	10.476	ng	100
26) 2-Nitrophenol	7.769	139	53005	10.129	ng	99
27) 2,4-Dimethylphenol	7.798	122	74475	10.461	ng	97
28) bis(2-Chloroethoxy)met...	7.898	93	137449	10.640	ng	99
29) 2,4-Dichlorophenol	8.004	162	94255	10.702	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	109691	10.394	ng	98
31) Naphthalene	8.175	128	339645	10.552	ng	99
32) Benzoic acid	7.863	122	36050m	6.170	ng	
33) 4-Chloroaniline	8.222	127	128378	12.115	ng	97
34) Hexachlorobutadiene	8.292	225	69982	9.797	ng	99
35) Caprolactam	8.563	113	27700	10.339	ng	96
36) 4-Chloro-3-methylphenol	8.698	107	101881	10.390	ng	96
37) 2-Methylnaphthalene	8.869	142	229307	10.916	ng	99
38) 1-Methylnaphthalene	8.969	142	214371	10.411	ng	98
40) 1,2,4,5-Tetrachloroben...	9.033	216	118191	10.675	ng	99
41) Hexachlorocyclopentadiene	9.022	237	34867	11.239	ng	97
43) 2,4,6-Trichlorophenol	9.145	196	67071	9.776	ng	99

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Instrument :
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 LOQ-SOIL-02-QT4-2024

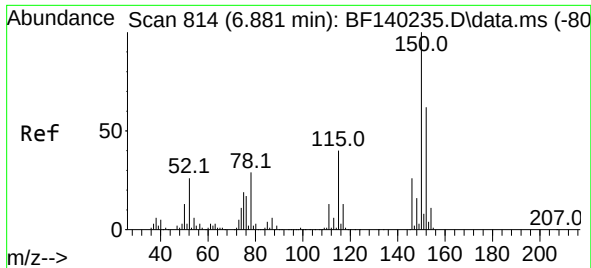
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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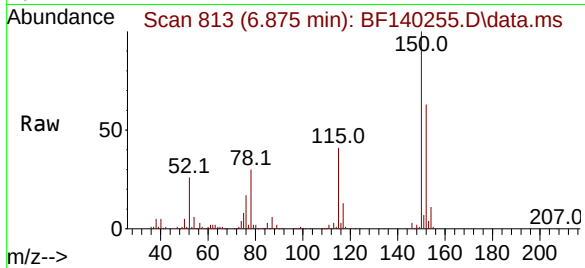
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	70005	9.704	ng	98
46) 1,1'-Biphenyl	9.333	154	294009	10.755	ng	98
47) 2-Chloronaphthalene	9.357	162	208995	10.158	ng	98
48) 2-Nitroaniline	9.451	65	65723	9.552	ng	97
49) Acenaphthylene	9.775	152	334638	11.488	ng	98
50) Dimethylphthalate	9.627	163	243388	10.450	ng	100
51) 2,6-Dinitrotoluene	9.692	165	52303	9.553	ng	99
52) Acenaphthene	9.945	154	206363	9.988	ng	98
53) 3-Nitroaniline	9.863	138	53976	10.470	ng	95
54) 2,4-Dinitrophenol	9.969	184	9640	9.444	ng	91
55) Dibenzofuran	10.116	168	312642	10.821	ng	98
56) 4-Nitrophenol	10.016	139	30116	8.308	ng	94
57) 2,4-Dinitrotoluene	10.092	165	68165	9.595	ng	97
58) Fluorene	10.463	166	240583	10.461	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	58541	9.906	ng	98
60) Diethylphthalate	10.333	149	238026	10.284	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	119852	10.340	ng	97
62) 4-Nitroaniline	10.469	138	50047	9.769	ng	94
63) Azobenzene	10.616	77	247963	10.335	ng	98
65) 4,6-Dinitro-2-methylph...	10.504	198	23410	6.649	ng	97
66) n-Nitrosodiphenylamine	10.574	169	207241	10.749	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	76875	10.650	ng	98
68) Hexachlorobenzene	11.010	284	84280	10.243	ng	98
69) Atrazine	11.092	200	70977	13.456	ng	99
70) Pentachlorophenol	11.204	266	32781	7.419	ng	96
71) Phenanthrene	11.427	178	349124	10.913	ng	98
72) Anthracene	11.480	178	362392	11.552	ng	98
73) Carbazole	11.633	167	299120	10.436	ng	99
74) Di-n-butylphthalate	11.963	149	361358	10.650	ng	99
75) Fluoranthene	12.616	202	354155	10.587	ng	98
77) Benzidine	12.739	184	97226	11.784	ng	97
78) Pyrene	12.845	202	363527	10.433	ng	99
80) Butylbenzylphthalate	13.468	149	129108	10.290	ng	95
81) Benzo(a)anthracene	14.051	228	286920	10.594	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	82563	9.708	ng	99
83) Chrysene	14.086	228	266469	10.507	ng	98
84) Bis(2-ethylhexyl)phtha...	14.039	149	183618	10.442	ng	99
85) Di-n-octyl phthalate	14.686	149	254335	9.609	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	198782	9.138	ng	99
88) Benzo(b)fluoranthene	15.133	252	227619	10.154	ng	98
89) Benzo(k)fluoranthene	15.162	252	212367	10.324	ng	99
90) Benzo(a)pyrene	15.509	252	190268	10.295	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	161538	9.026	ng	99
92) Benzo(g,h,i)perylene	17.533	276	153045	8.382	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

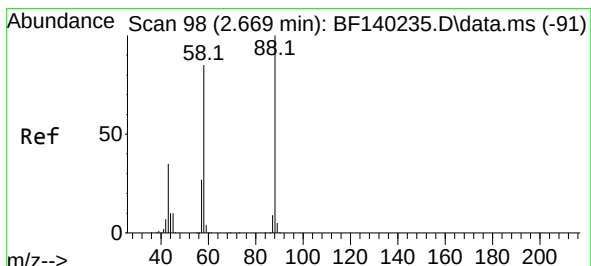
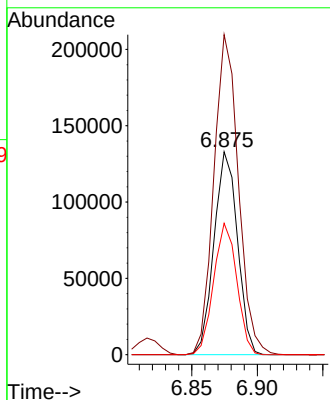
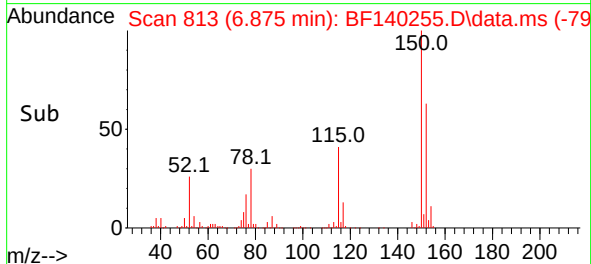
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:152 Resp: 16521
Ion Ratio Lower Upper
152 100
150 157.7 129.4 194.2
115 64.7 51.5 77.3

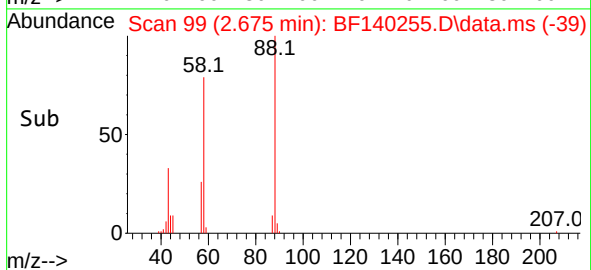
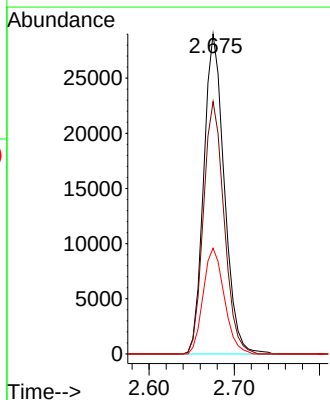
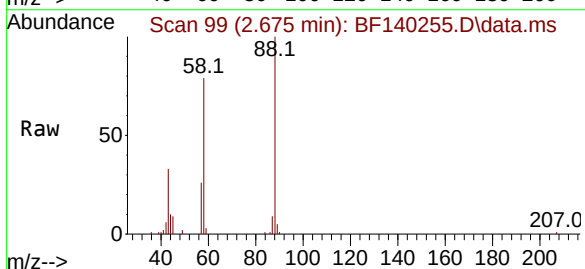
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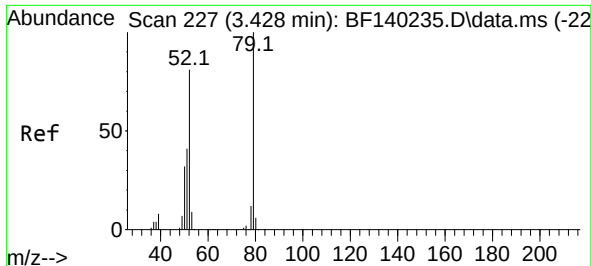
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#2
1,4-Dioxane
Concen: 10.597 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

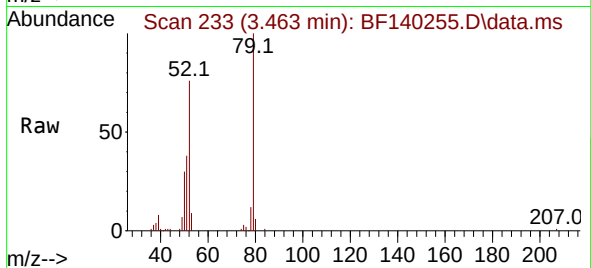
Tgt Ion: 88 Resp: 48571
Ion Ratio Lower Upper
88 100
58 79.3 66.7 100.1
43 33.9 27.8 41.8





#3
Pyridine
Concen: 9.743 ng
RT: 3.463 min Scan# 217
Delta R.T. 0.035 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

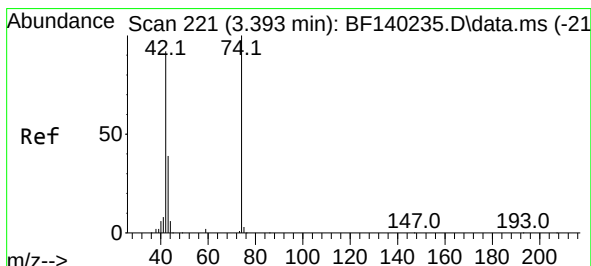
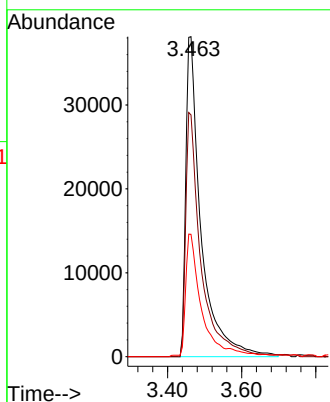
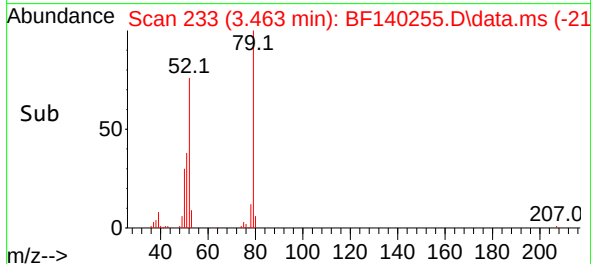
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 79 Resp: 108960
Ion Ratio Lower Upper
79 100
52 75.6 64.6 97.0
51 38.2 32.5 48.7

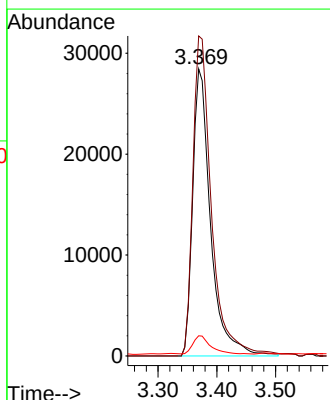
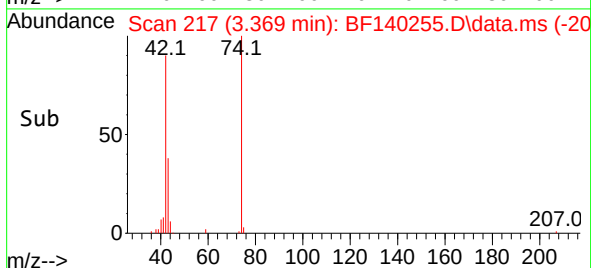
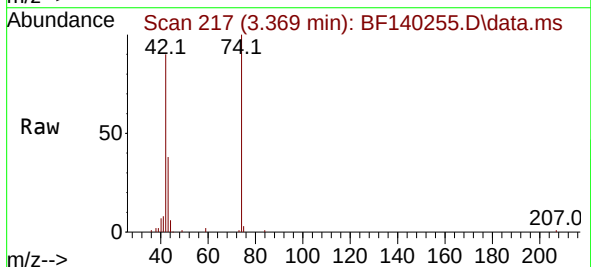
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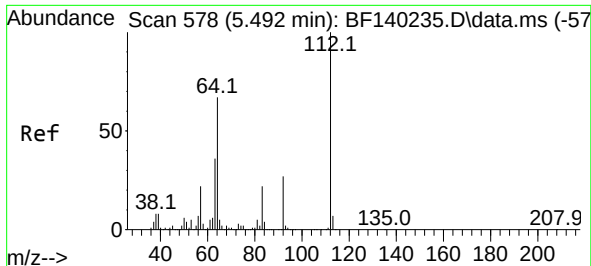
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#4
n-Nitrosodimethylamine
Concen: 9.334 ng
RT: 3.369 min Scan# 217
Delta R.T. -0.024 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

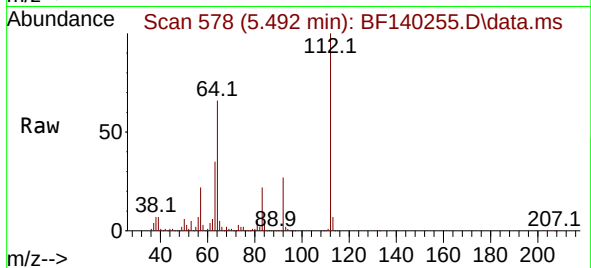
Tgt Ion: 42 Resp: 60267
Ion Ratio Lower Upper
42 100
74 111.5 86.9 130.3
44 7.0 5.0 7.6





#5
2-Fluorophenol
Concen: 110.980 ng
RT: 5.492 min Scan# 511
Delta R.T. -0.000 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

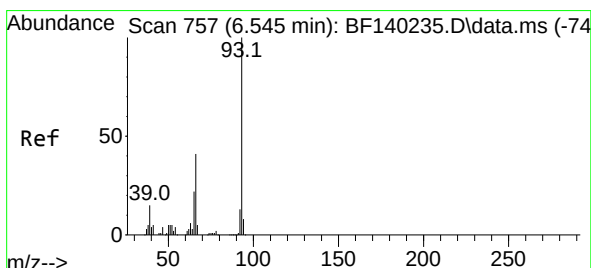
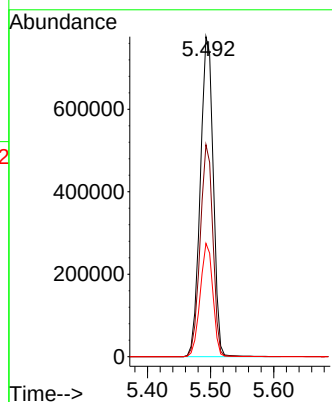
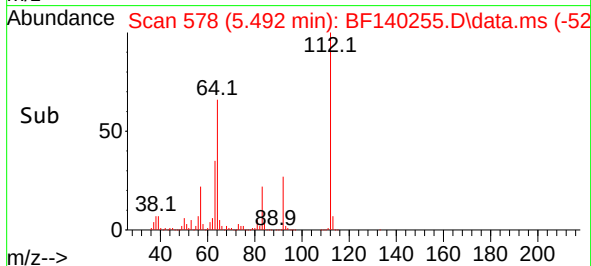
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 112 Resp: 1106390
Ion Ratio Lower Upper
112 100
64 66.2 53.4 80.2
63 35.4 28.9 43.3

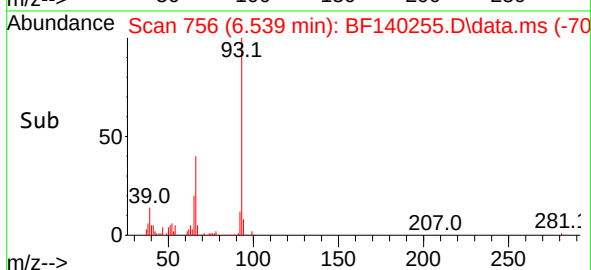
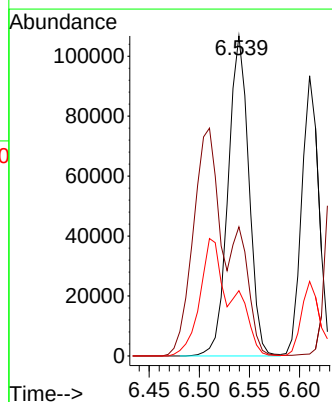
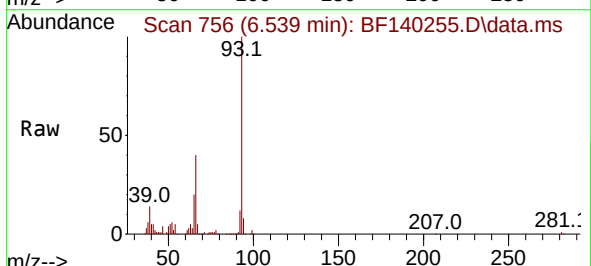
Manual Integrations
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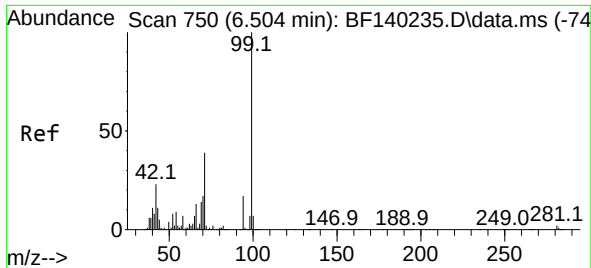
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#6
Aniline
Concen: 13.237 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

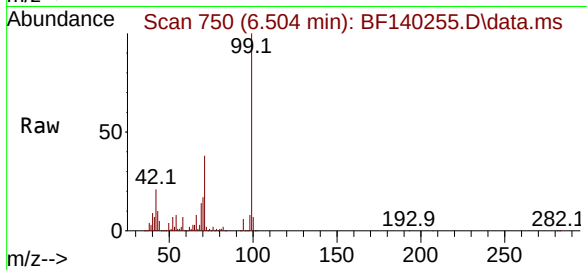
Tgt Ion: 93 Resp: 153355
Ion Ratio Lower Upper
93 100
66 40.4 33.6 50.4
65 20.4 17.5 26.3





#7
Phenol-d6
Concen: 110.957 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.000 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

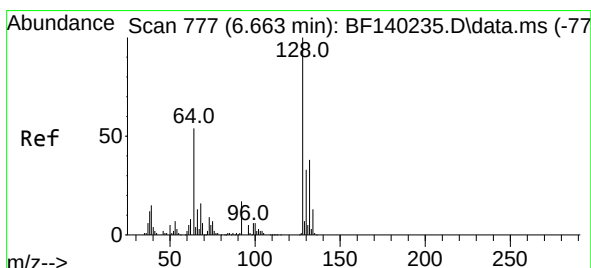
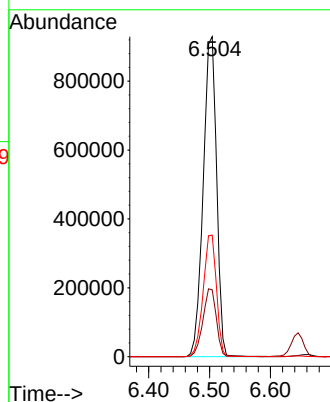
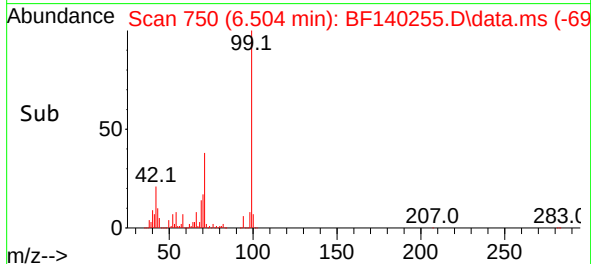
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 99 Resp: 1422794
Ion Ratio Lower Upper
99 100
42 20.9 18.2 27.2
71 38.0 30.9 46.3

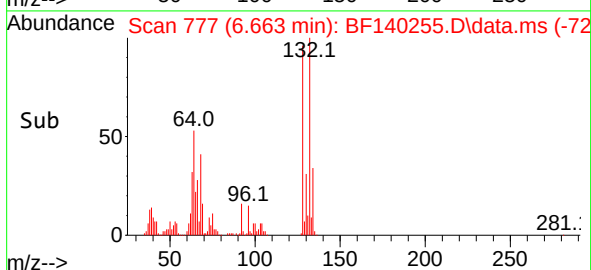
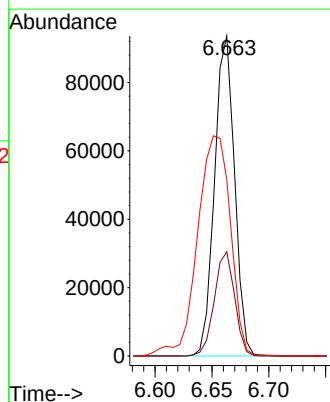
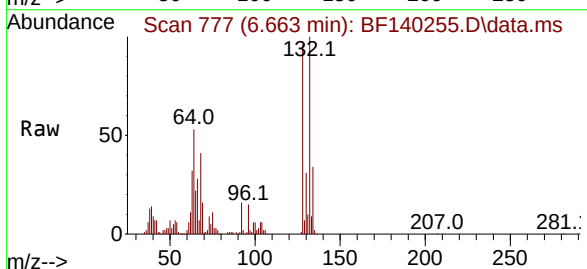
Manual Integrations
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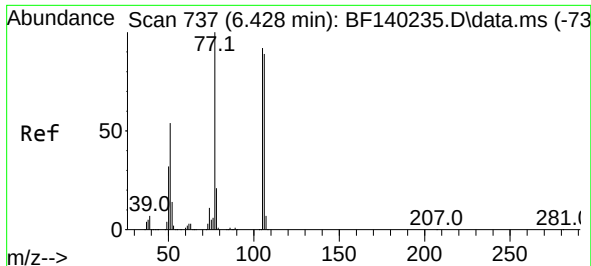
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#8
2-Chlorophenol
Concen: 10.992 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.000 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

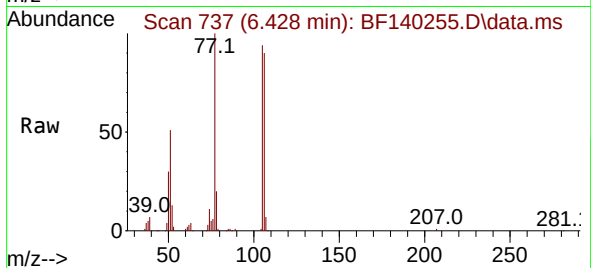
Tgt Ion:128 Resp: 114653
Ion Ratio Lower Upper
128 100
130 32.6 12.9 52.9
64 55.2 36.3 76.3





#9
Benzaldehyde
Concen: 12.717 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

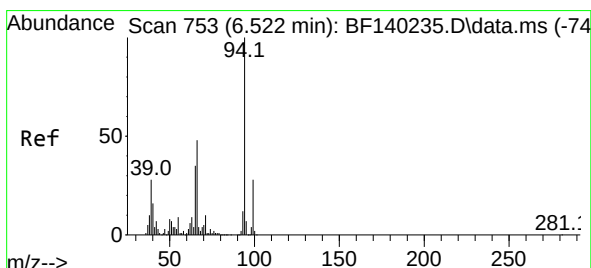
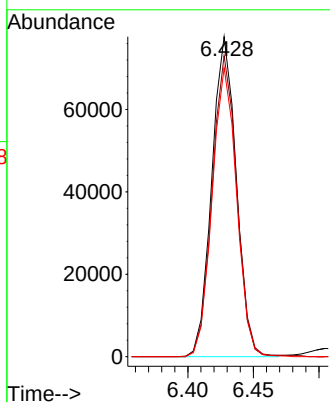
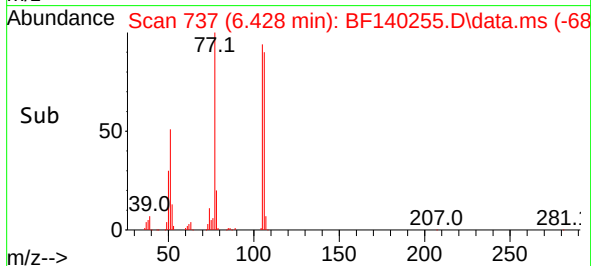
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 77 Resp: 100450
Ion Ratio Lower Upper
77 100
105 94.1 72.1 112.1
106 90.3 68.8 108.8

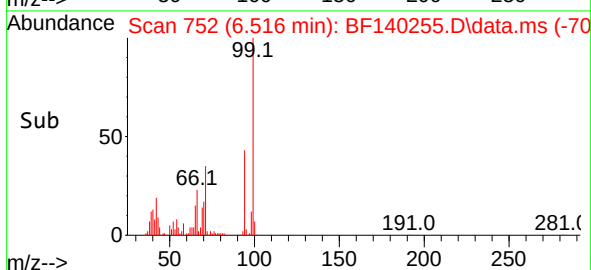
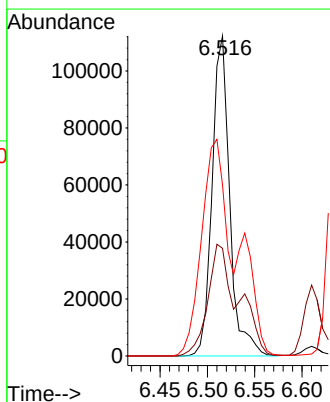
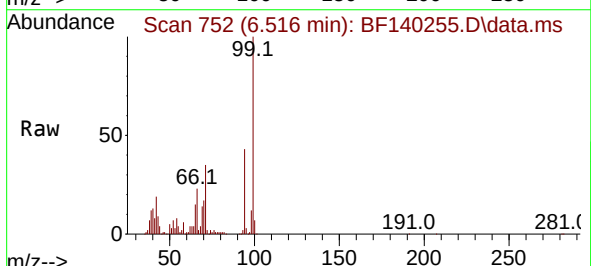
Manual Integrations
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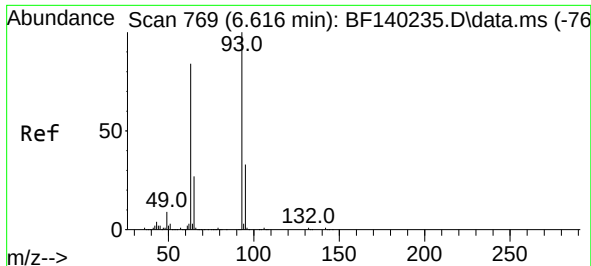
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#10
Phenol
Concen: 10.641 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

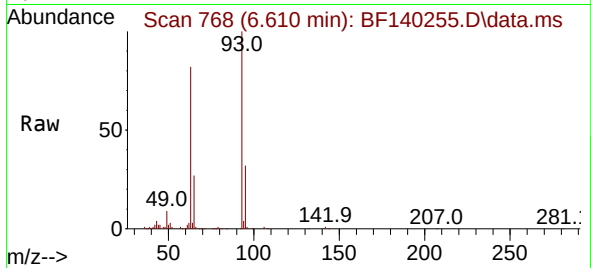
Tgt Ion: 94 Resp: 144922
Ion Ratio Lower Upper
94 100
65 33.6 15.1 55.1
66 53.4 28.8 68.8





#11
bis(2-Chloroethyl)ether
Concen: 10.733 ng
RT: 6.610 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

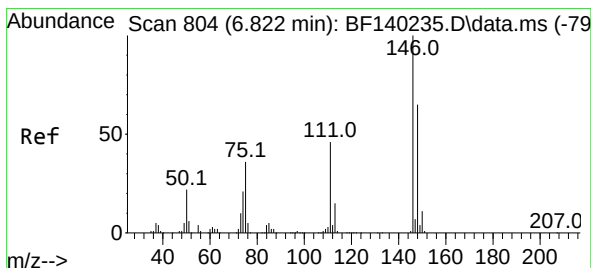
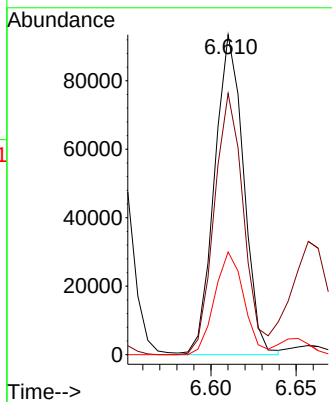
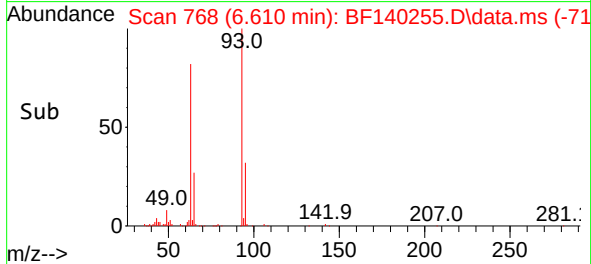
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



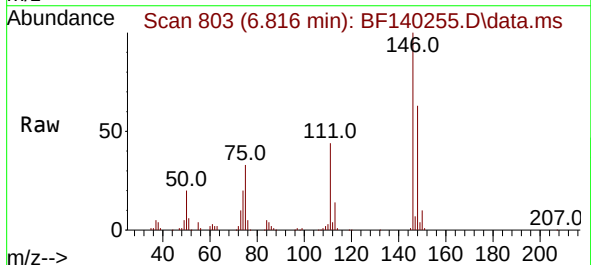
Tgt Ion: 93 Resp: 111039
Ion Ratio Lower Upper
93 100
63 81.7 63.6 103.6
95 32.1 12.7 52.7

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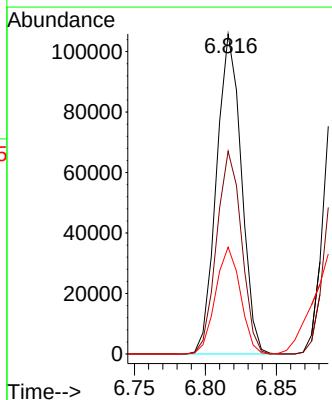
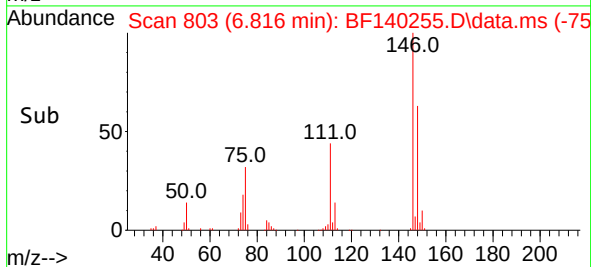
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

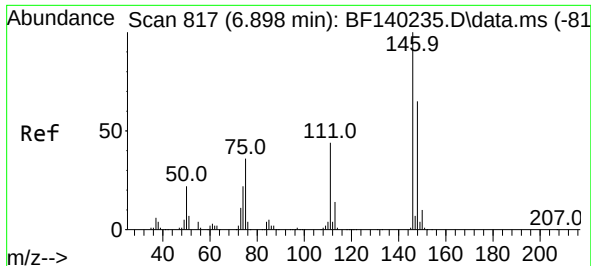


#12
1,3-Dichlorobenzene
Concen: 10.543 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34



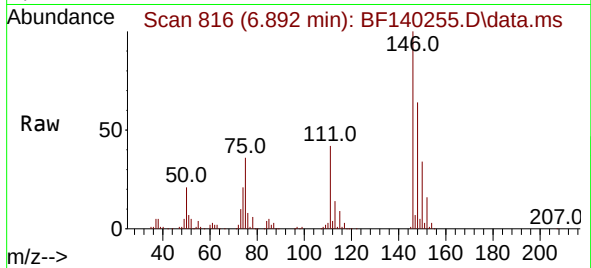
Tgt Ion:146 Resp: 128868
Ion Ratio Lower Upper
146 100
148 63.3 51.7 77.5
75 33.4 28.4 42.6





#13
1,4-Dichlorobenzene
Concen: 10.549 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

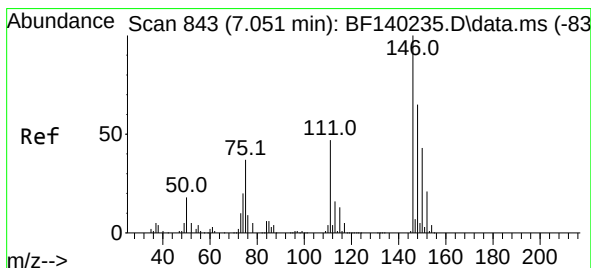
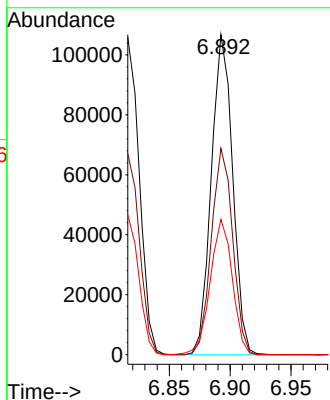
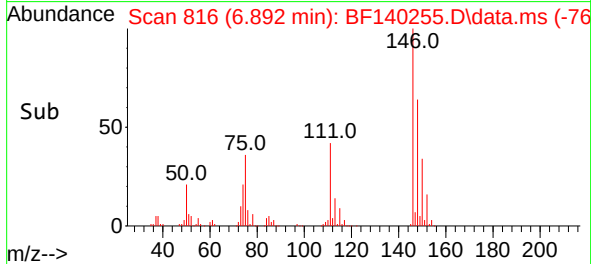
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:146 Resp: 130054
Ion Ratio Lower Upper
146 100
148 64.5 51.8 77.6
111 42.3 35.4 53.2

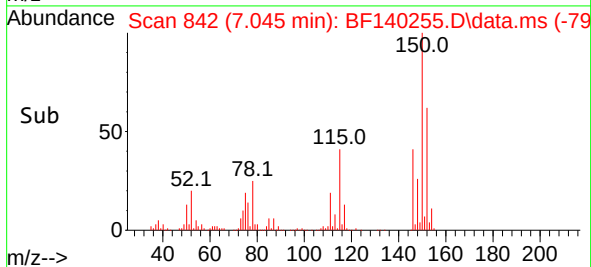
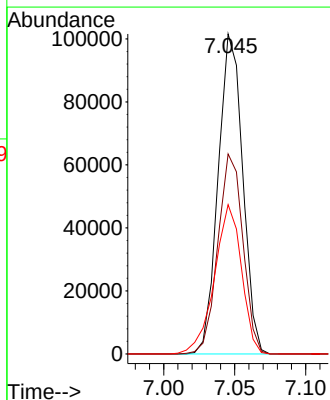
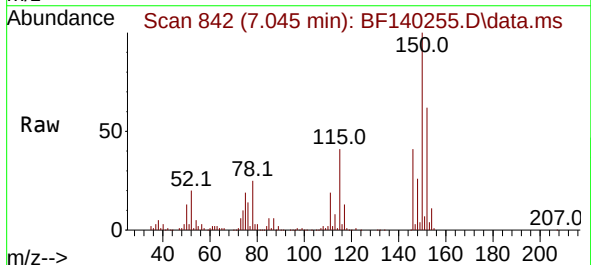
Manual Integrations
APPROVED

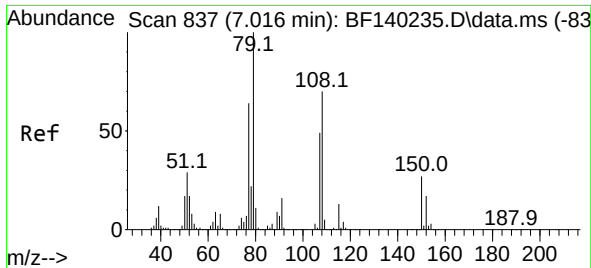
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#14
1,2-Dichlorobenzene
Concen: 10.590 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

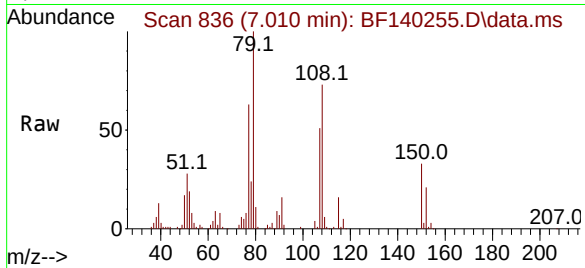
Tgt Ion:146 Resp: 121939
Ion Ratio Lower Upper
146 100
148 62.5 51.8 77.6
111 46.6 37.9 56.9





#15
Benzyl Alcohol
Concen: 11.739 ng
RT: 7.010 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

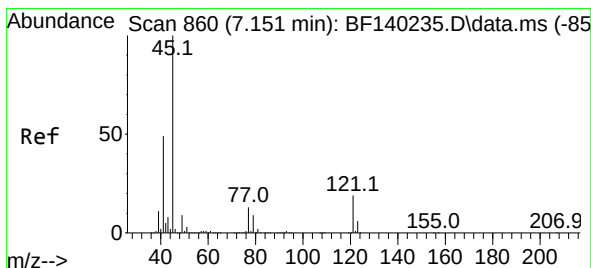
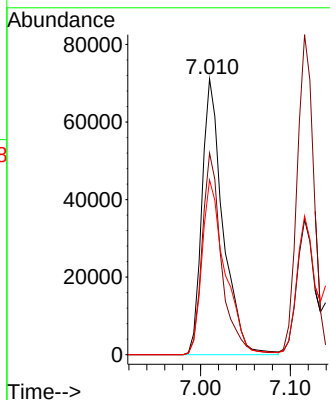
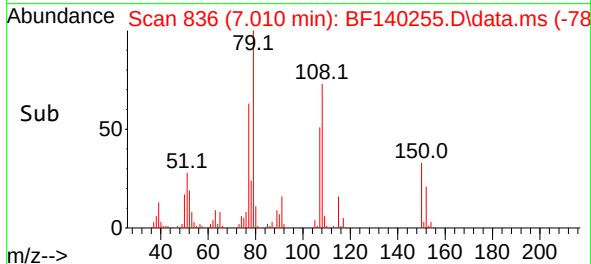
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



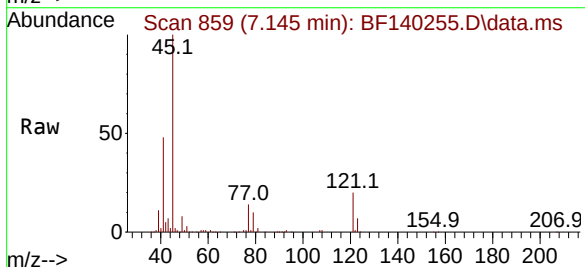
Tgt Ion: 79 Resp: 116044
Ion Ratio Lower Upper
79 100
108 73.1 55.8 83.6
77 63.3 51.1 76.7

Manual Integrations
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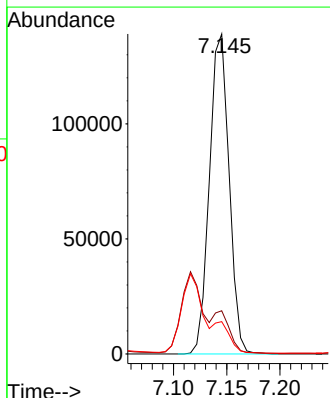
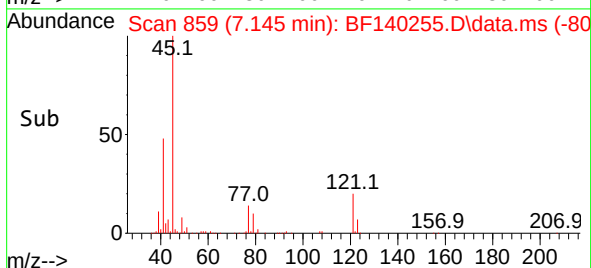
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

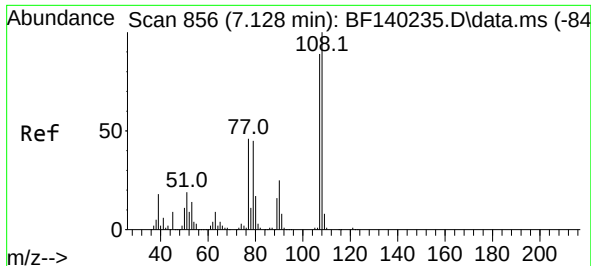


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.672 ng
RT: 7.145 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34



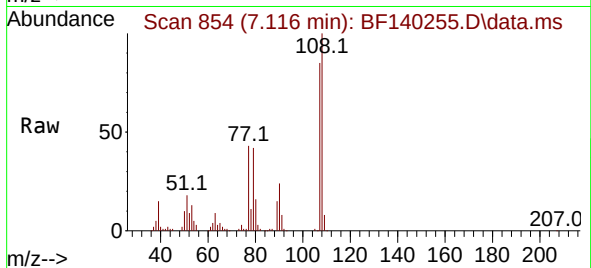
Tgt Ion: 45 Resp: 178712
Ion Ratio Lower Upper
45 100
77 13.5 0.0 33.3
79 10.1 0.0 29.9





#17
2-Methylphenol
Concen: 10.498 ng
RT: 7.116 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

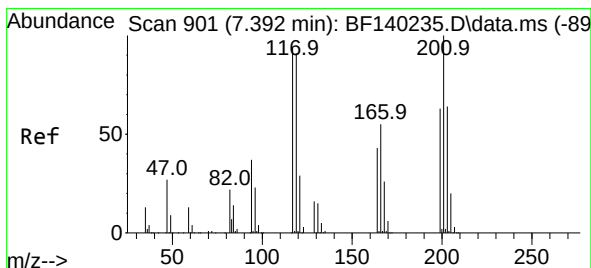
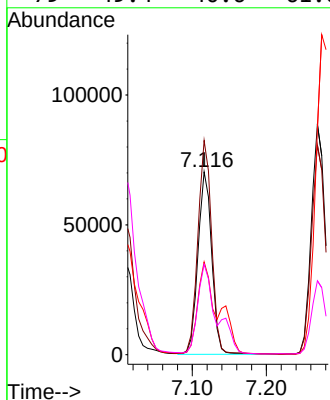
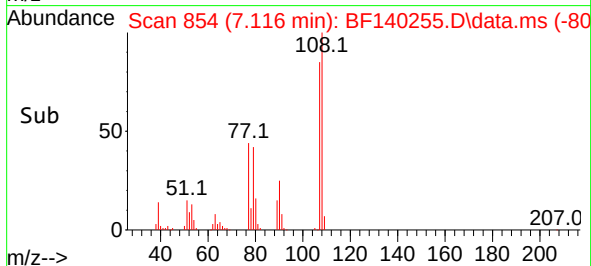
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:107 Resp: 91340
Ion Ratio Lower Upper
107 100
108 117.1 90.5 135.7
77 50.8 41.8 62.6
79 49.4 40.6 61.0

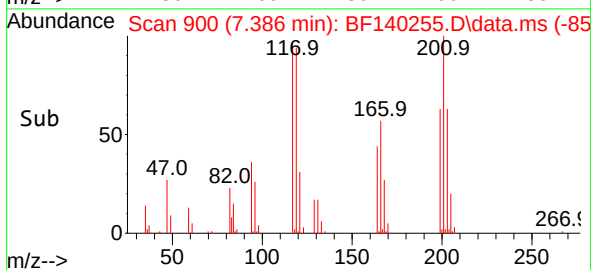
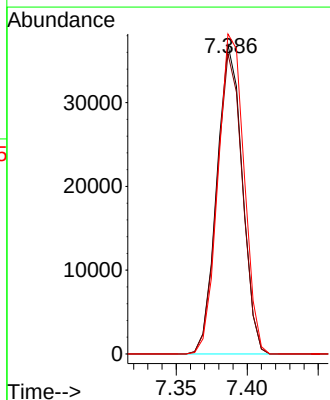
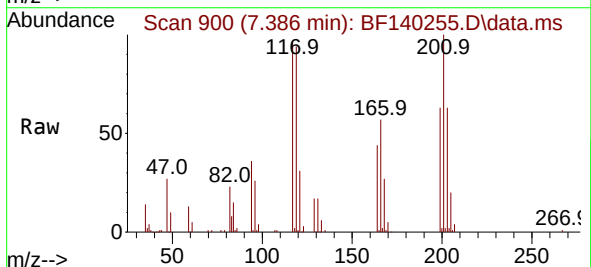
Manual Integrations
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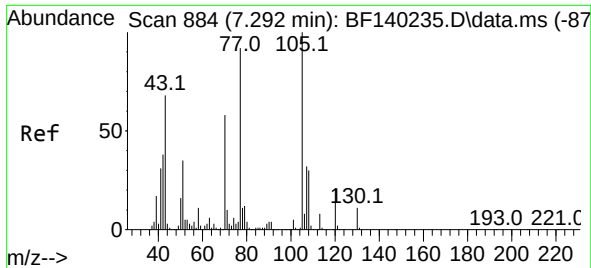
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#18
Hexachloroethane
Concen: 9.988 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

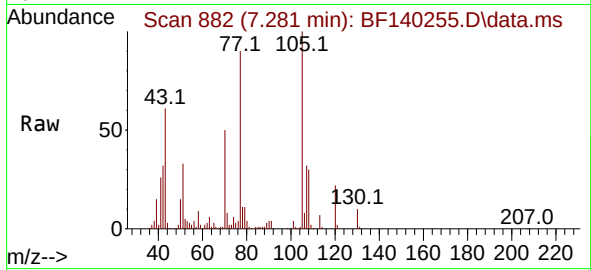
Tgt Ion:117 Resp: 45867
Ion Ratio Lower Upper
117 100
119 97.1 77.3 115.9
201 103.5 85.1 127.7





#19
n-Nitroso-di-n-propylamine
Concen: 10.604 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

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

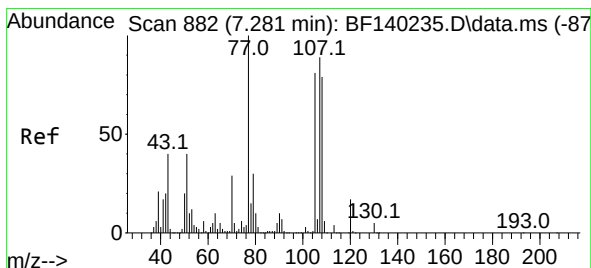
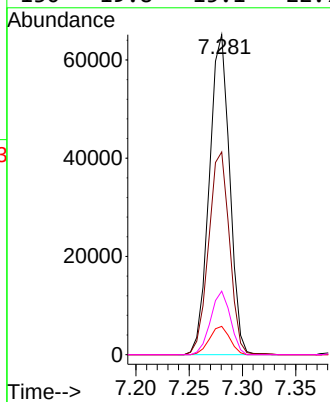
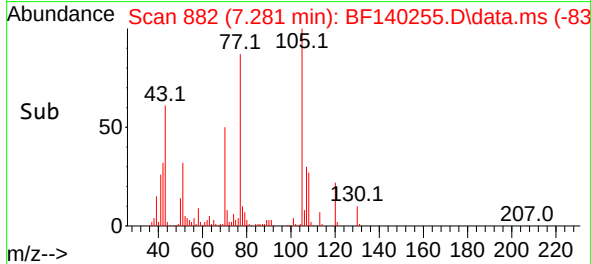


Tgt Ion: 70 Resp: 86740

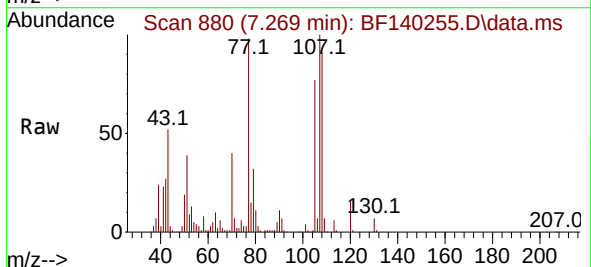
Ion	Ratio	Lower	Upper
70	100		
42	63.4	52.8	79.2
101	8.9	7.4	11.2
130	19.8	15.1	22.7

Manual Integrations
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Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

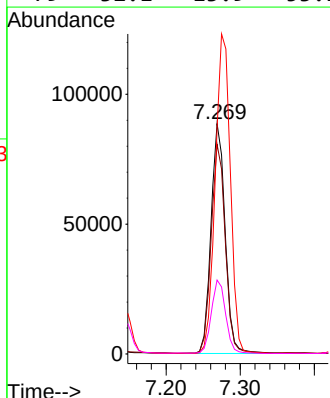
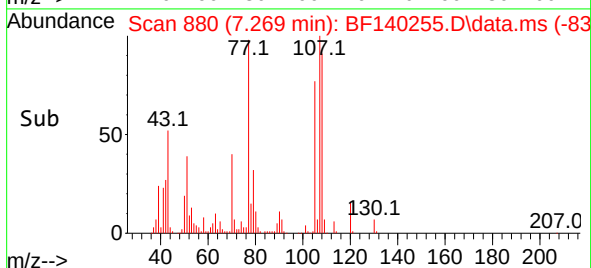


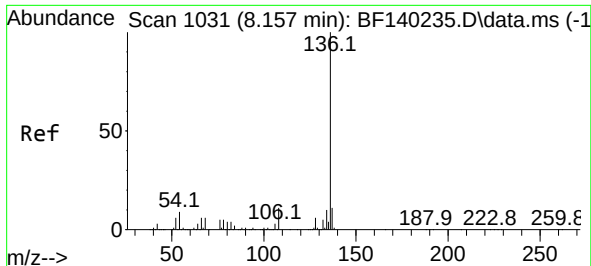
#20
3+4-Methylphenols
Concen: 10.771 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34



Tgt Ion:107 Resp: 117708

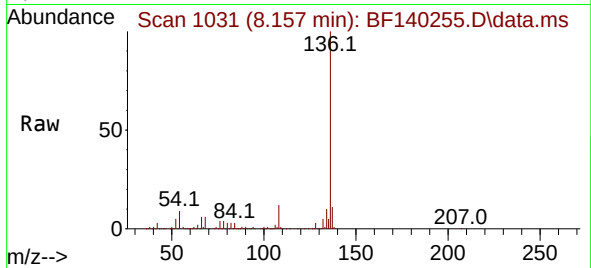
Ion	Ratio	Lower	Upper
107	100		
108	91.0	69.4	109.4
77	97.7	92.7	132.7
79	32.1	13.9	53.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

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

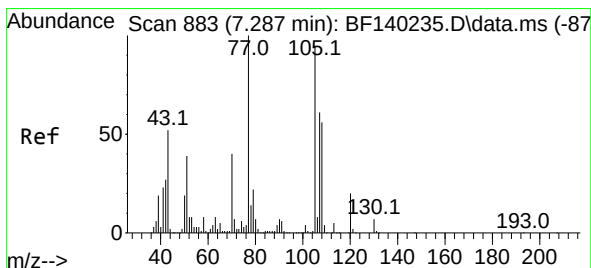
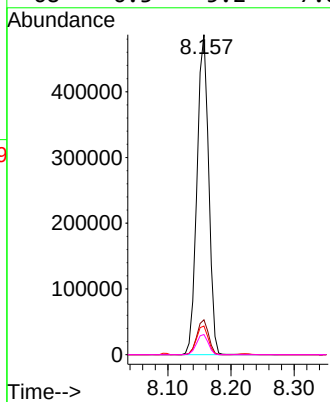
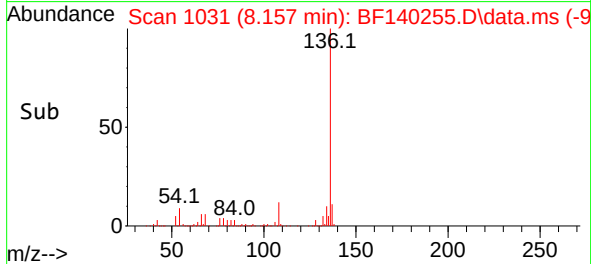


Tgt Ion:136 Resp: 623318

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	8.9	7.7	11.5
68	6.3	5.2	7.8

Manual Integrations
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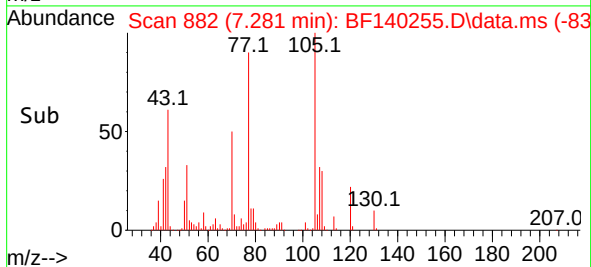
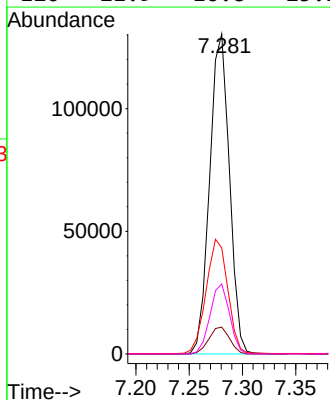
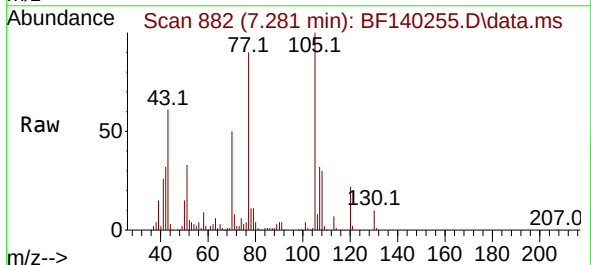
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

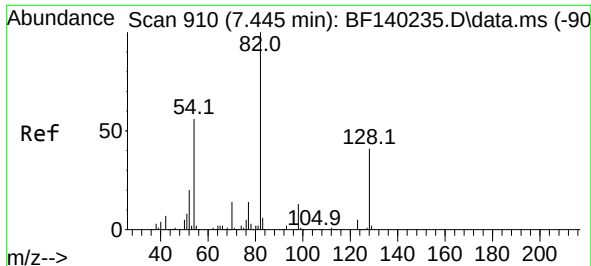


#22
Acetophenone
Concen: 10.907 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:105 Resp: 168559

Ion	Ratio	Lower	Upper
105	100		
71	8.4	5.6	8.4#
51	33.2	33.2	49.8#
120	21.9	16.8	25.2





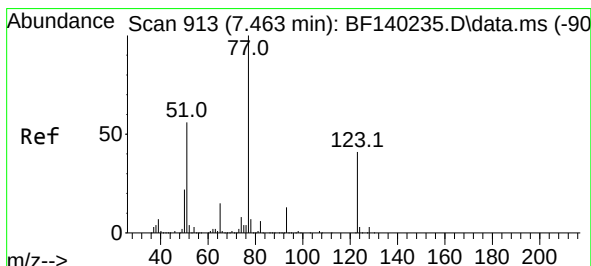
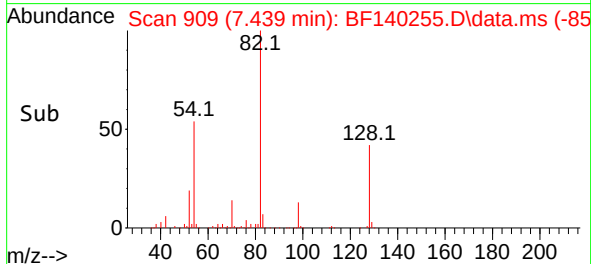
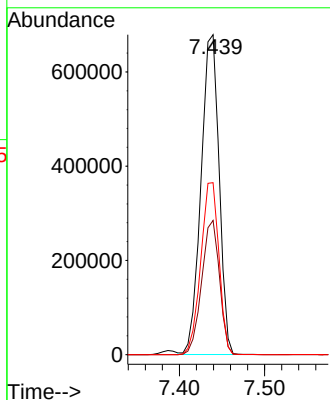
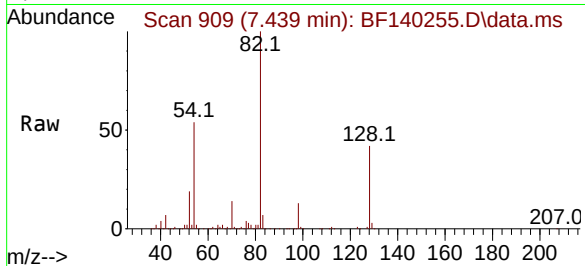
#23
Nitrobenzene-d5
Concen: 79.699 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

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

Tgt Ion: 82 Resp: 99919
Ion Ratio Lower Upper
82 100
128 42.0 32.8 49.2
54 53.7 44.3 66.5

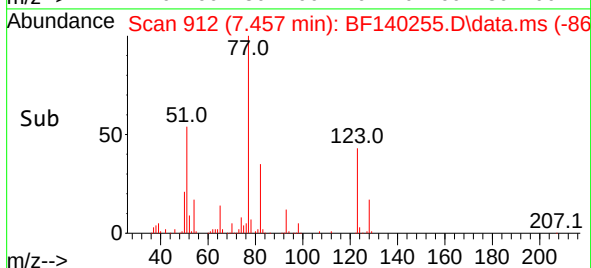
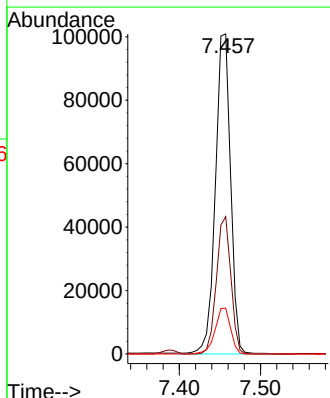
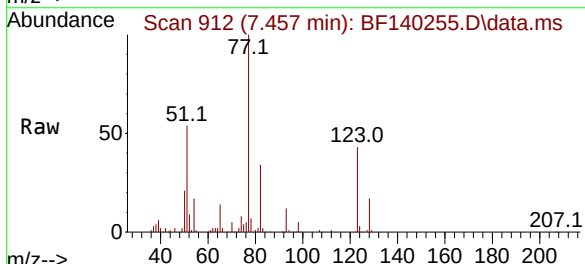
Manual Integrations
APPROVED

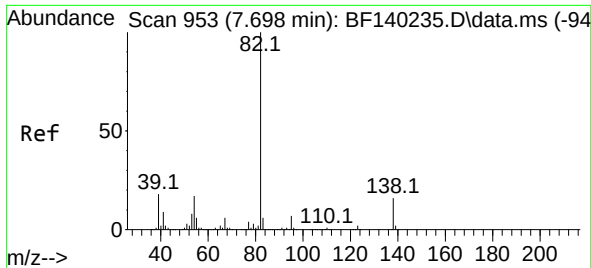
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#24
Nitrobenzene
Concen: 10.018 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

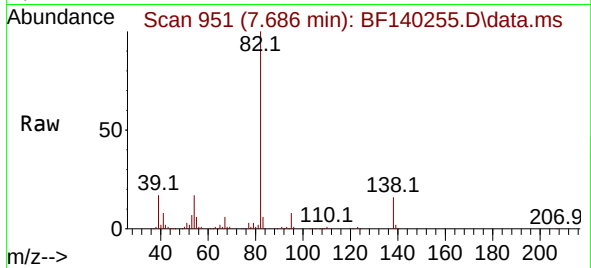
Tgt Ion: 77 Resp: 131787
Ion Ratio Lower Upper
77 100
123 42.9 33.0 49.4
65 14.3 11.7 17.5





#25
Isophorone
Concen: 10.476 ng
RT: 7.686 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

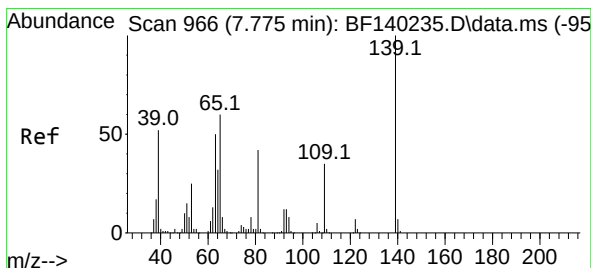
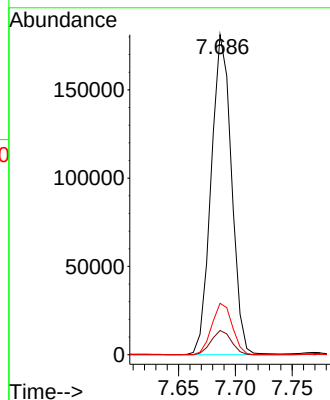
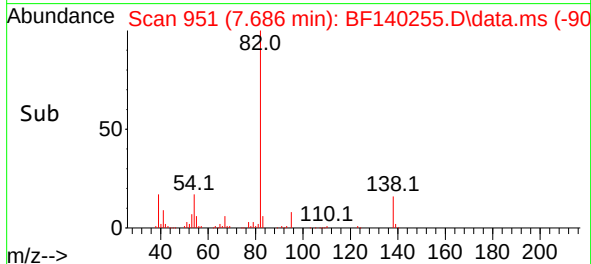
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 82 Resp: 22615
Ion Ratio Lower Upper
82 100
95 7.5 6.0 9.0
138 16.1 12.9 19.3

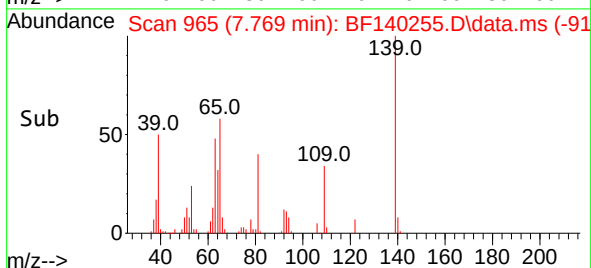
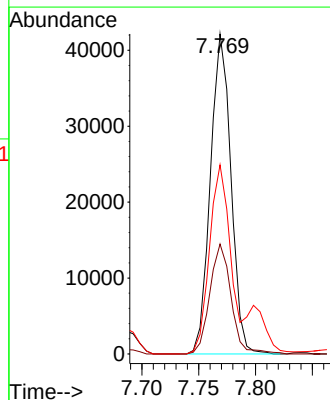
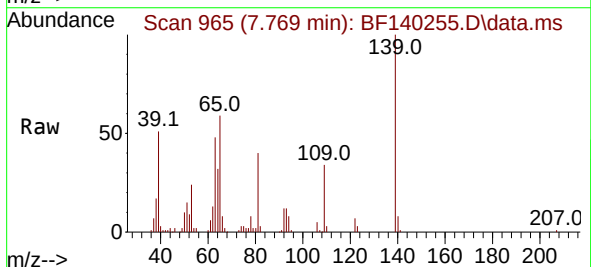
Manual Integrations
APPROVED

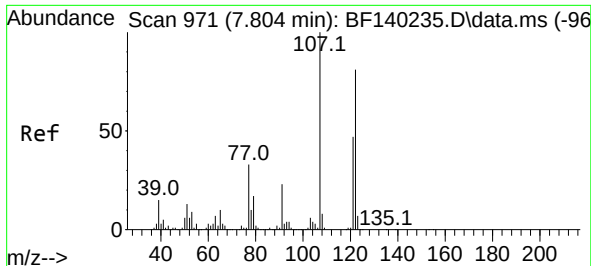
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#26
2-Nitrophenol
Concen: 10.129 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

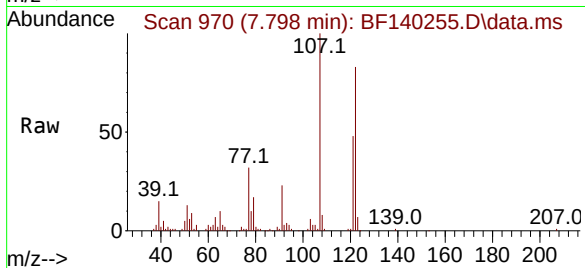
Tgt Ion:139 Resp: 53005
Ion Ratio Lower Upper
139 100
109 34.3 27.8 41.8
65 59.1 48.2 72.2





#27
2,4-Dimethylphenol
Concen: 10.461 ng
RT: 7.798 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

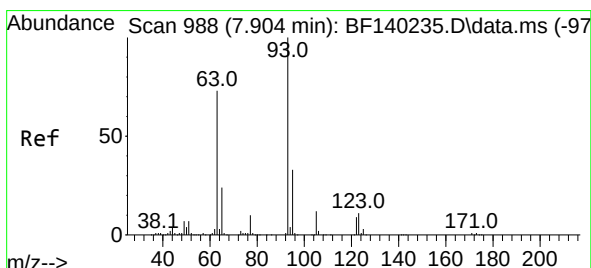
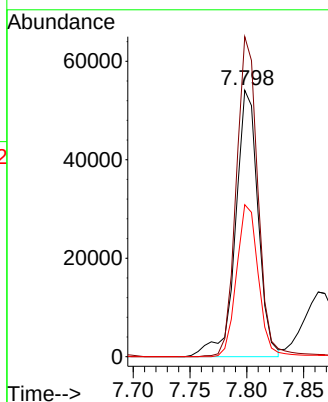
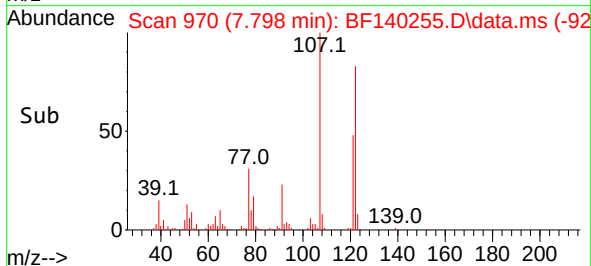
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:122 Resp: 7447
Ion Ratio Lower Upper
122 100
107 120.1 99.4 149.0
121 57.1 47.1 70.7

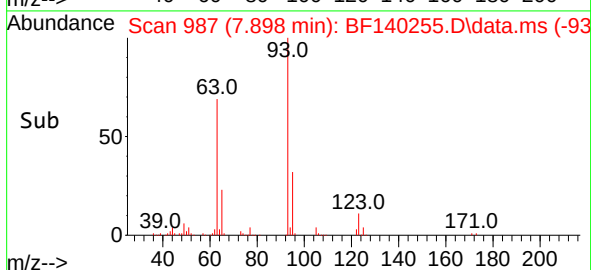
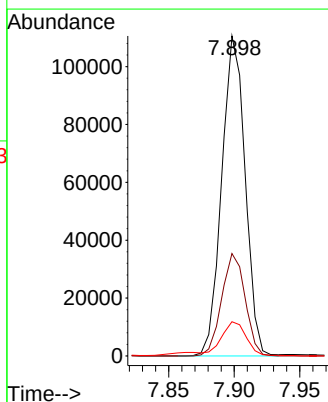
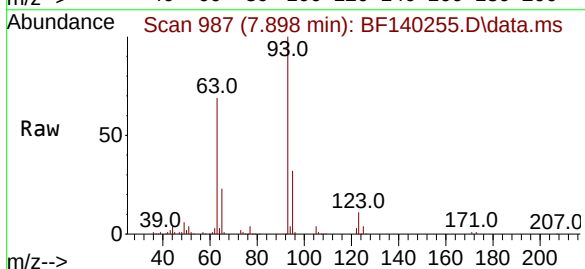
Manual Integrations
APPROVED

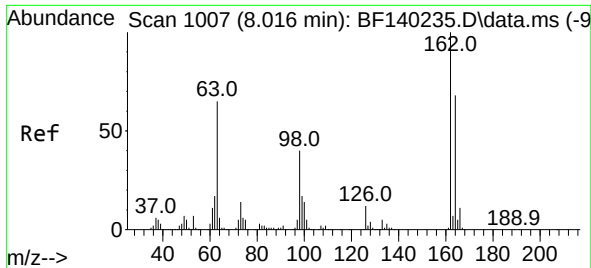
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#28
bis(2-Chloroethoxy)methane
Concen: 10.640 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion: 93 Resp: 137449
Ion Ratio Lower Upper
93 100
95 32.0 26.1 39.1
123 10.7 9.4 14.0





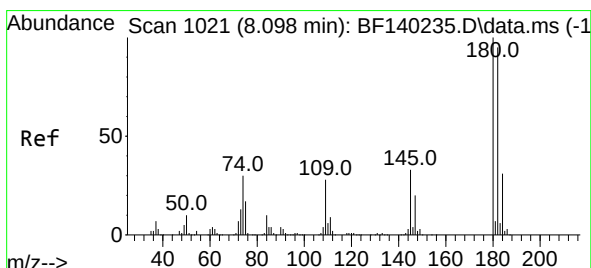
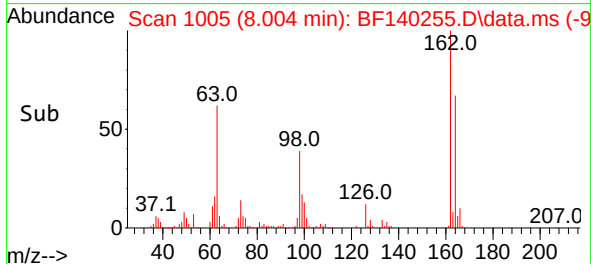
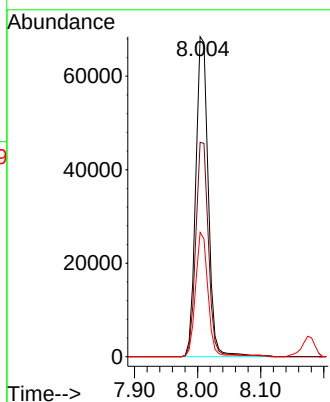
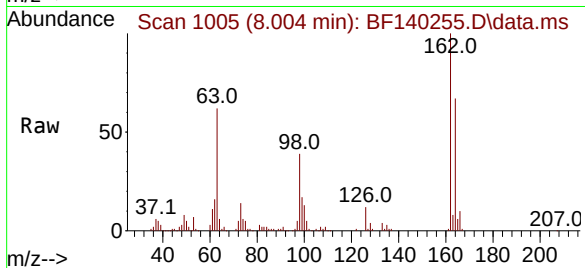
#29
2,4-Dichlorophenol
Concen: 10.702 ng
RT: 8.004 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

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

Tgt Ion:162 Resp: 9425
Ion Ratio Lower Upper
162 100
164 67.0 47.5 87.5
98 38.8 19.5 59.5

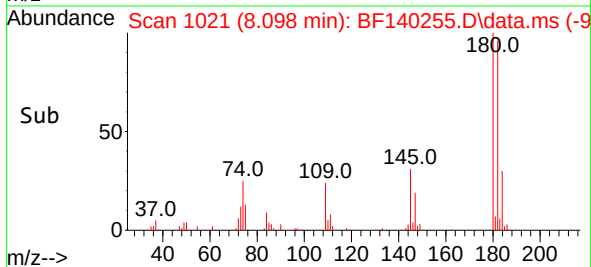
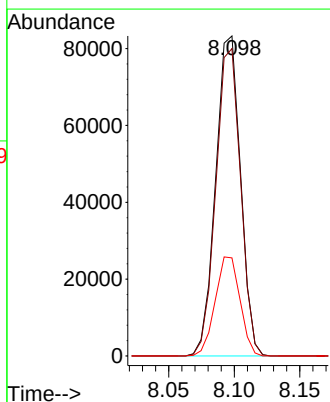
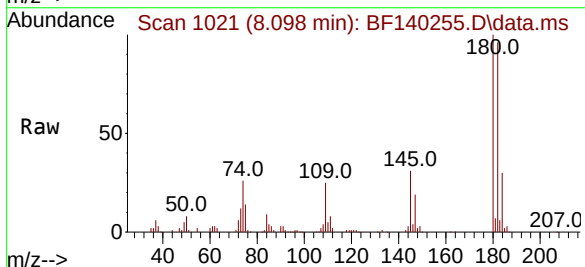
Manual Integrations
APPROVED

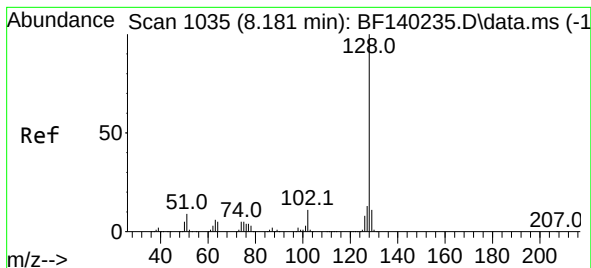
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#30
1,2,4-Trichlorobenzene
Concen: 10.394 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:180 Resp: 109691
Ion Ratio Lower Upper
180 100
182 96.0 75.9 113.9
145 30.6 26.1 39.1





#31

Naphthalene

Concen: 10.552 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF140255.D

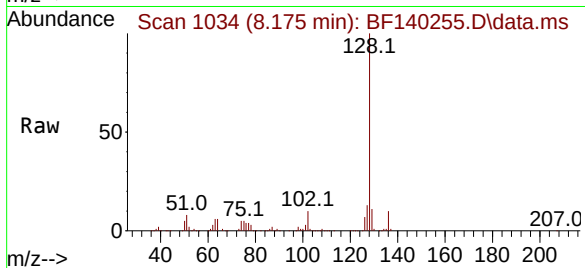
Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024



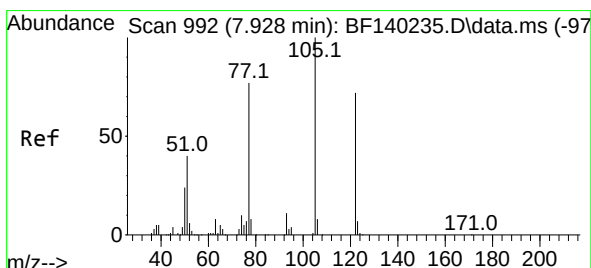
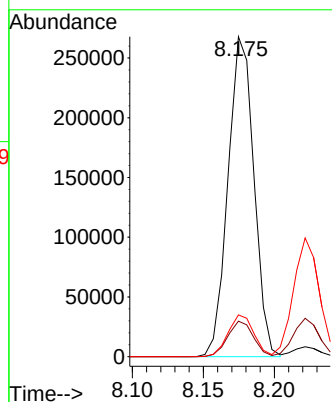
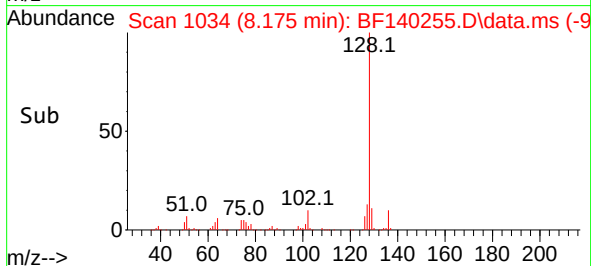
Tgt Ion:128 Resp: 339645
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.1 10.7 16.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/07/2024

Supervised By :mohammad ahmed 11/08/2024



#32

Benzoic acid

Concen: 6.170 ng m

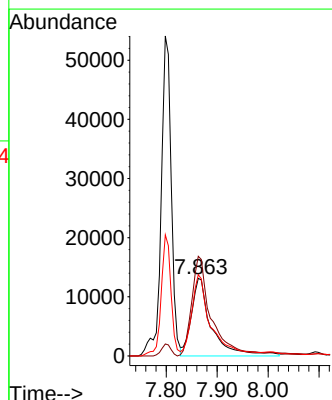
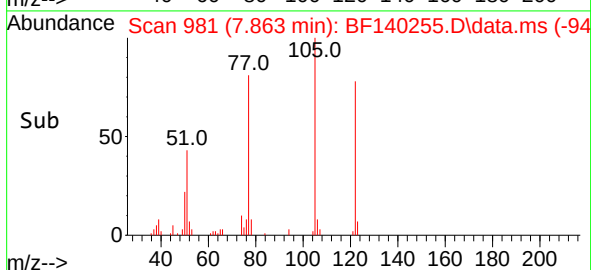
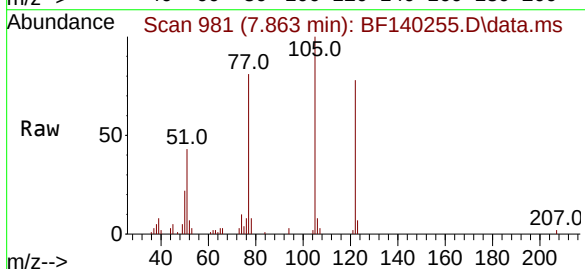
RT: 7.863 min Scan# 981

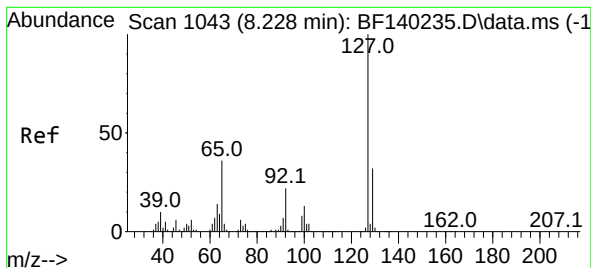
Delta R.T. -0.065 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Tgt Ion:122 Resp: 36050
Ion Ratio Lower Upper
122 100
105 128.5 112.6 152.6
77 104.7 84.3 124.3





#33

4-Chloroaniline

Concen: 12.115 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:127 Resp: 128378

Ion Ratio Lower Upper

127 100

129 32.3 25.8 38.6

65 33.8 29.0 43.6

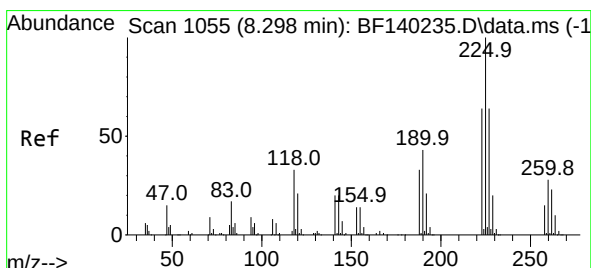
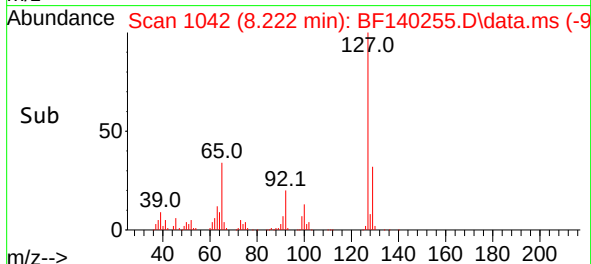
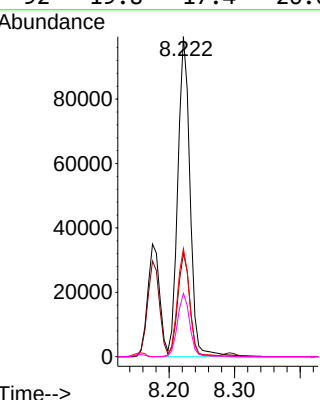
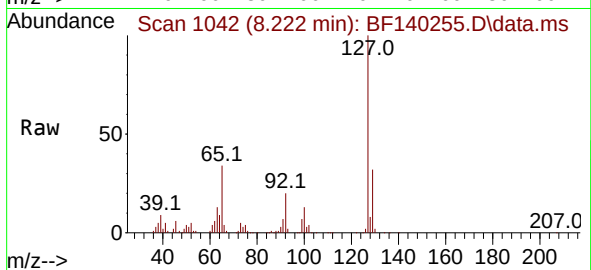
92 19.8 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :mohammad ahmed 11/08/2024



#34

Hexachlorobutadiene

Concen: 9.797 ng

RT: 8.292 min Scan# 1054

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

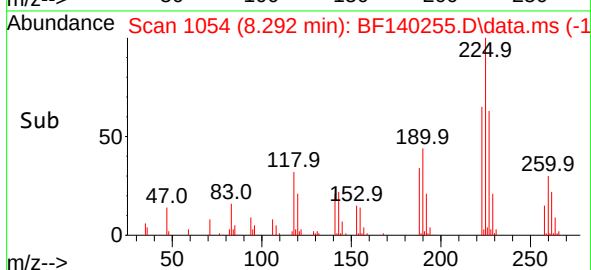
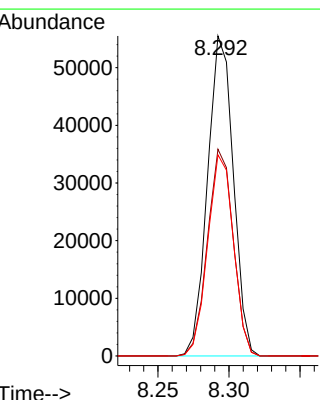
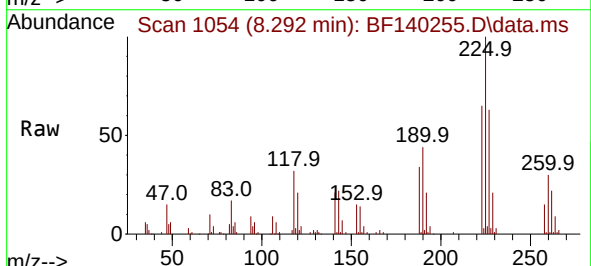
Tgt Ion:225 Resp: 69982

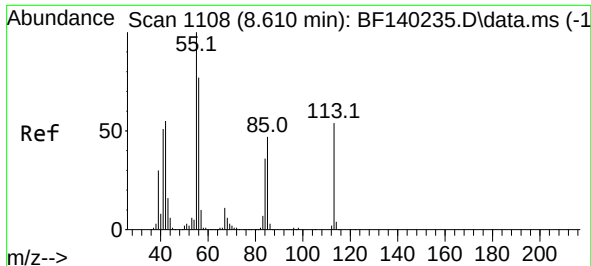
Ion Ratio Lower Upper

225 100

223 64.6 50.8 76.2

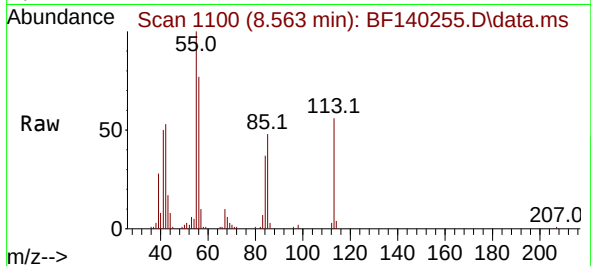
227 62.8 51.0 76.6





#35
Caprolactam
Concen: 10.339 ng
RT: 8.563 min Scan# 1108
Delta R.T. -0.047 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

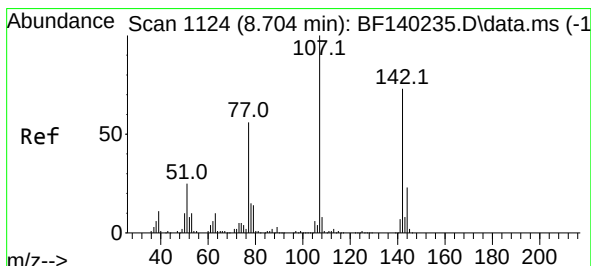
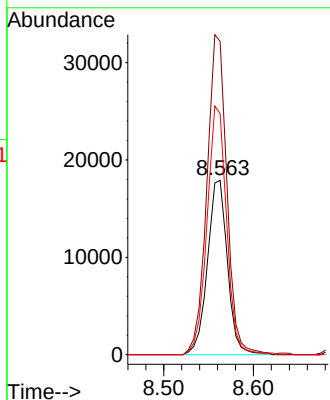
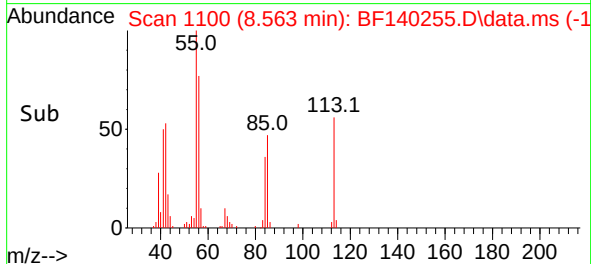
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:113 Resp: 27700
Ion Ratio Lower Upper
113 100
55 179.6 165.2 205.2
56 138.2 122.1 162.1

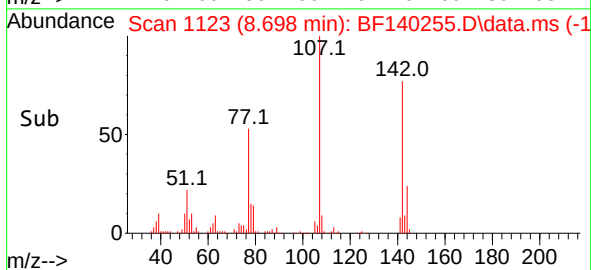
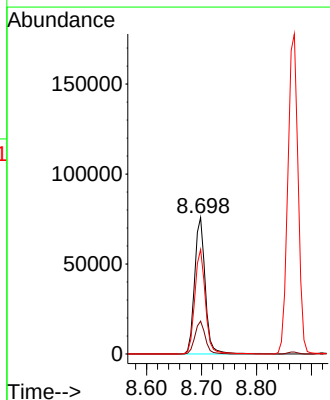
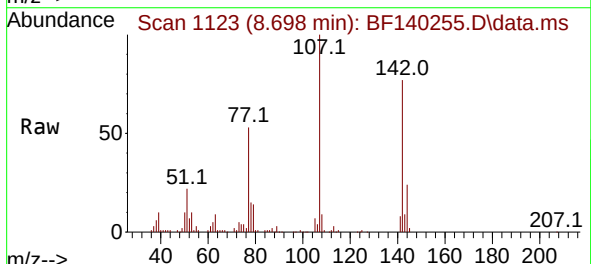
Manual Integrations
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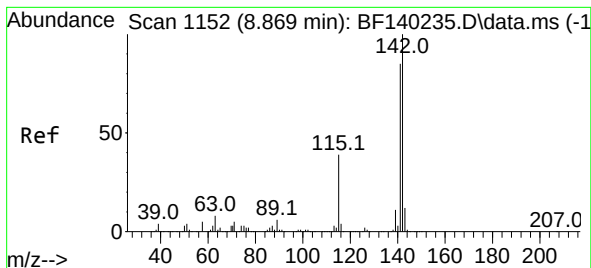
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#36
4-Chloro-3-methylphenol
Concen: 10.390 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:107 Resp: 101881
Ion Ratio Lower Upper
107 100
144 24.0 18.6 27.8
142 76.6 58.1 87.1





#37

2-Methylnaphthalene

Concen: 10.916 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.000 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:142 Resp: 22930

Ion Ratio Lower Upper

142 100

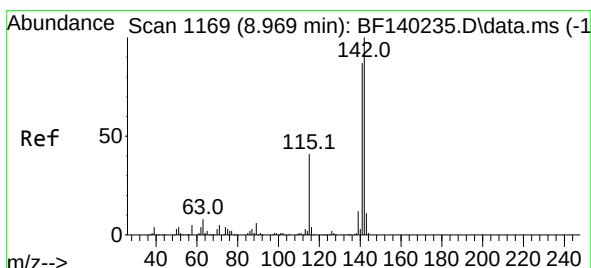
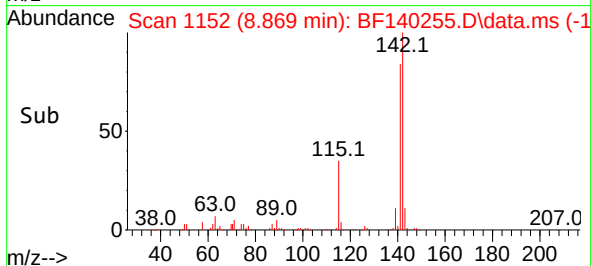
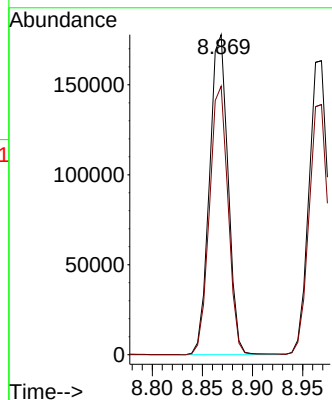
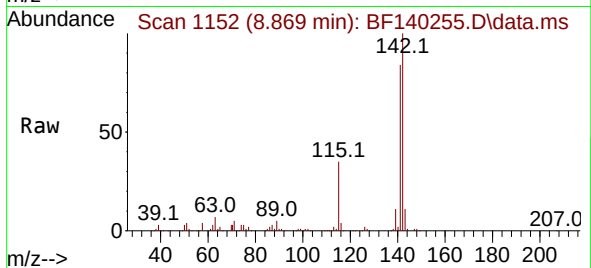
141 83.9 67.8 101.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :mohammad ahmed 11/08/2024



#38

1-Methylnaphthalene

Concen: 10.411 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.000 min

Lab File: BF140255.D

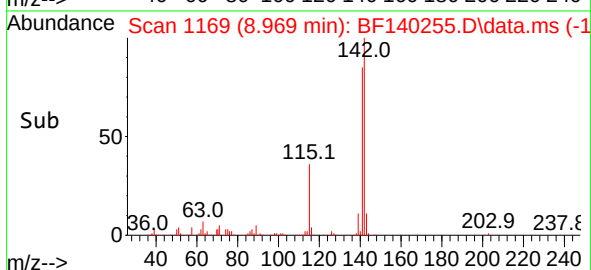
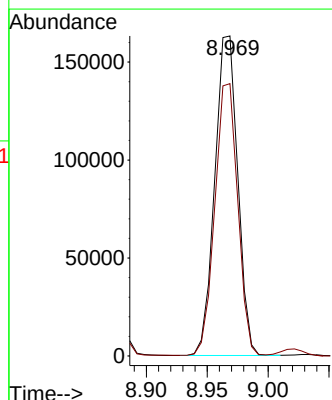
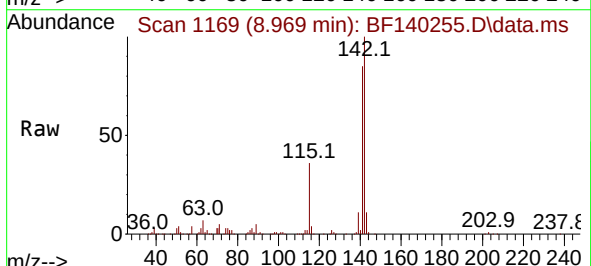
Acq: 06 Nov 2024 13:34

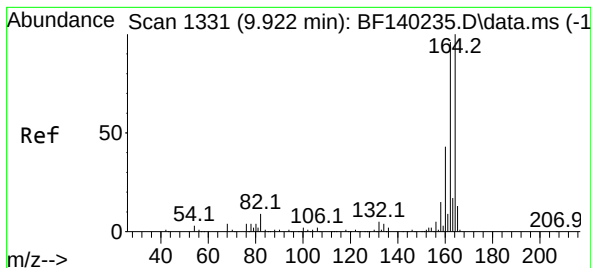
Tgt Ion:142 Resp: 214371

Ion Ratio Lower Upper

142 100

141 85.1 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: BF140255.D

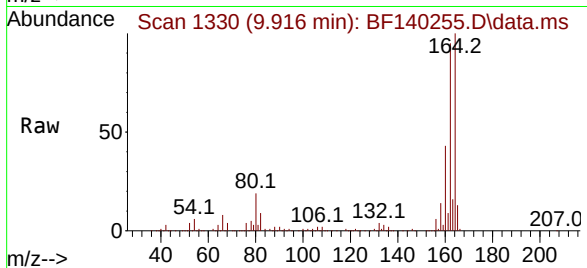
Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:164 Resp: 37819

Ion Ratio Lower Upper

164 100

162 94.8 77.0 115.4

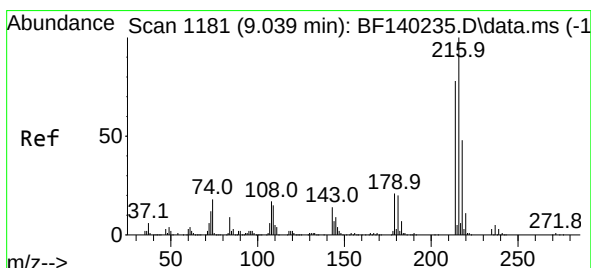
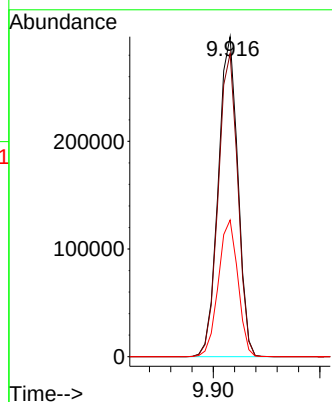
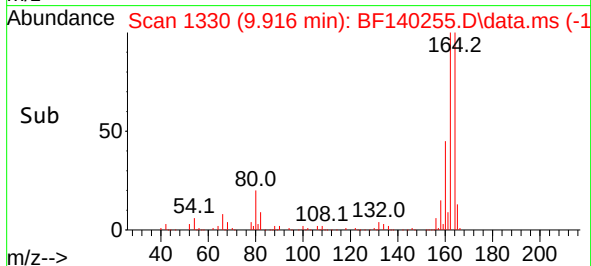
160 42.7 34.1 51.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/07/2024

Supervised By :mohammad ahmed 11/08/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.675 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Tgt Ion:216 Resp: 118191

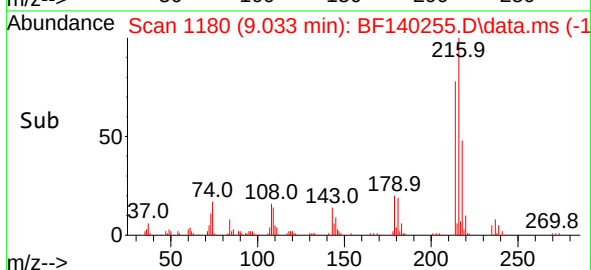
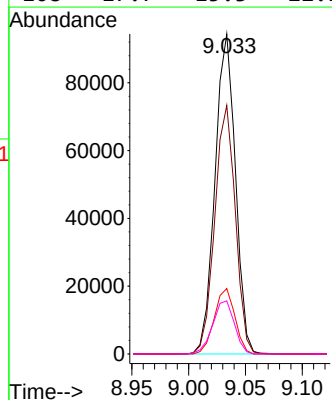
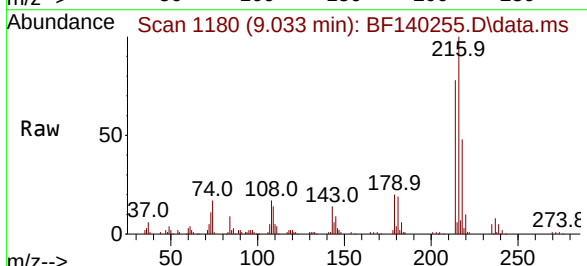
Ion Ratio Lower Upper

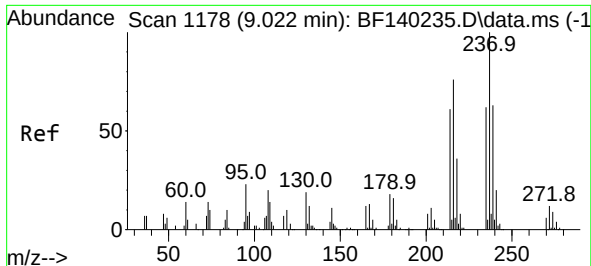
216 100

214 78.0 62.8 94.2

179 20.6 17.3 25.9

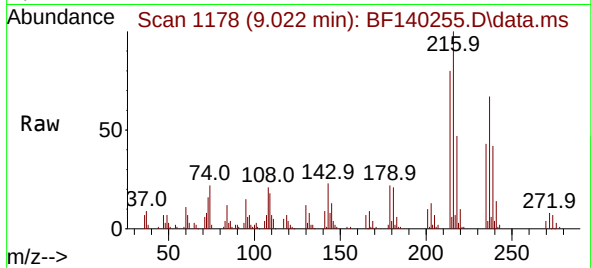
108 17.7 15.3 22.9





#41
Hexachlorocyclopentadiene
Concen: 11.239 ng
RT: 9.022 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

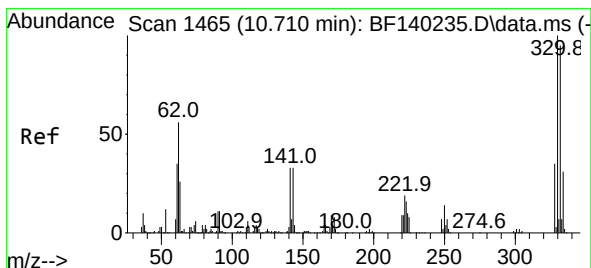
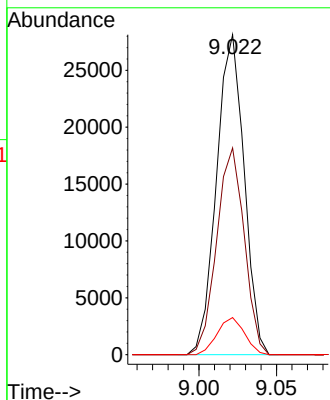
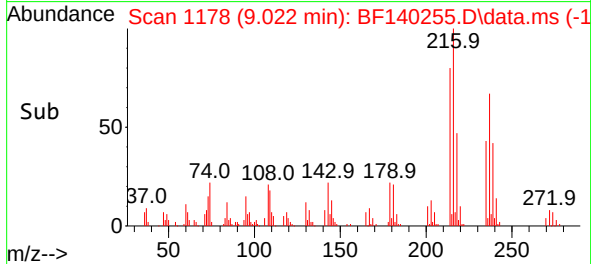
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



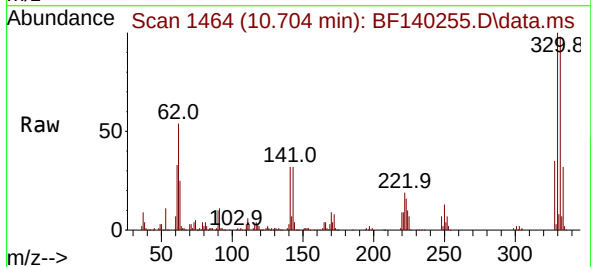
Tgt Ion:237 Resp: 3486
Ion Ratio Lower Upper
237 100
235 64.6 41.8 81.8
272 11.6 0.0 31.8

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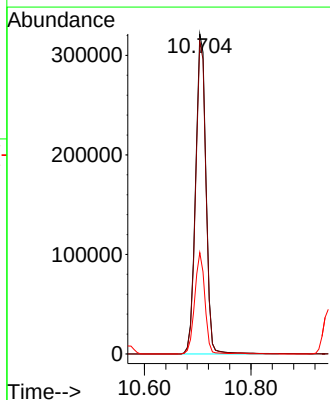
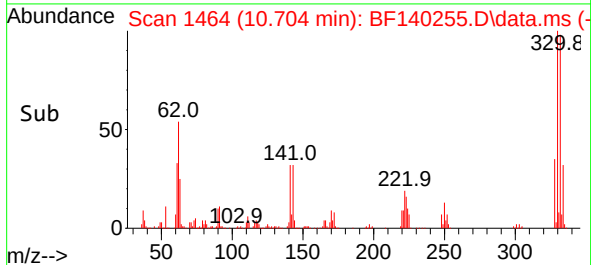
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

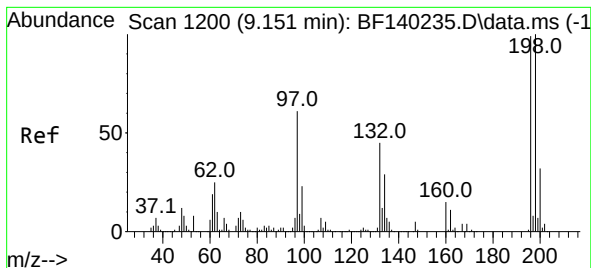


#42
2,4,6-Tribromophenol
Concen: 116.831 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34



Tgt Ion:330 Resp: 436742
Ion Ratio Lower Upper
330 100
332 97.3 76.4 114.6
141 30.9 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 9.776 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:196 Resp: 6707

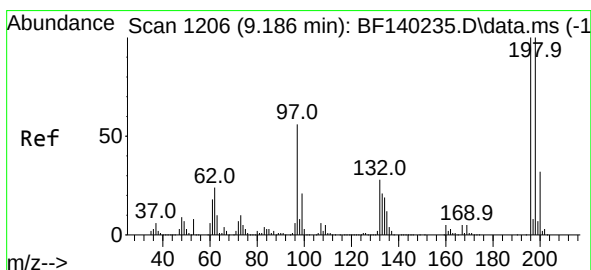
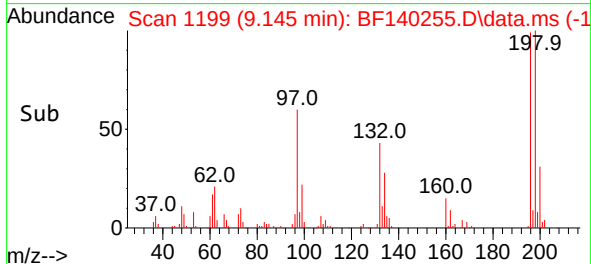
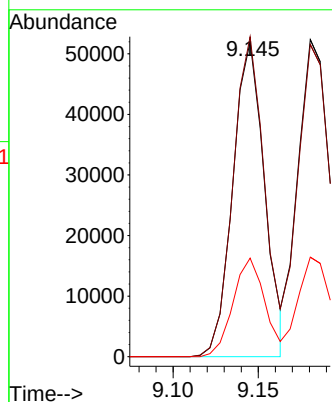
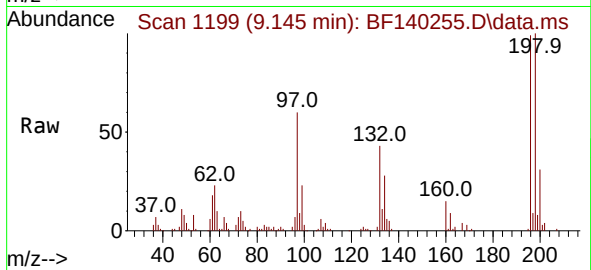
Ion	Ratio	Lower	Upper
196	100		
198	101.5	80.8	121.2
200	31.3	26.0	39.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/07/2024

Supervised By :mohammad ahmed 11/08/2024



#44

2,4,5-Trichlorophenol

Concen: 9.704 ng

RT: 9.180 min Scan# 1205

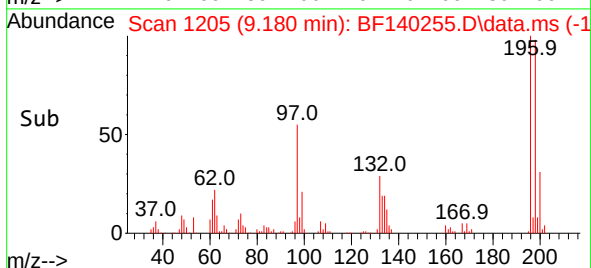
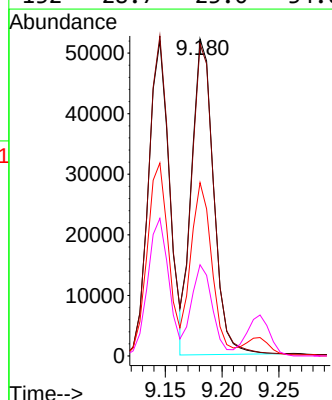
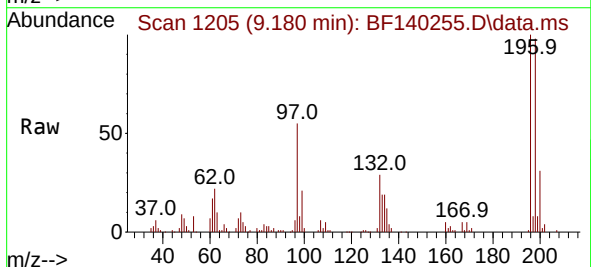
Delta R.T. -0.006 min

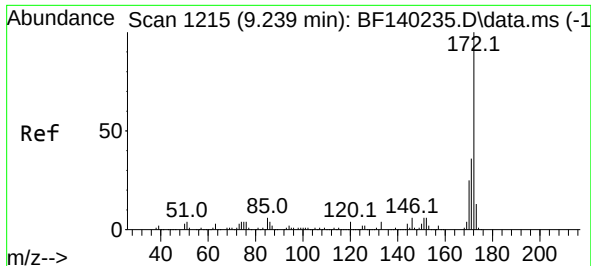
Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Tgt Ion:196 Resp: 70005

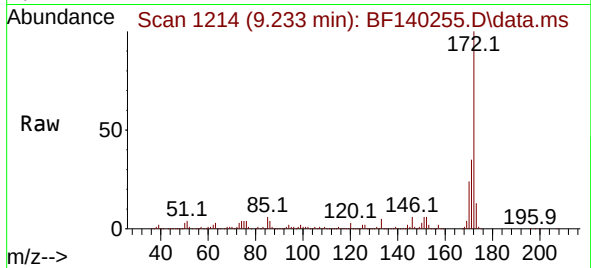
Ion	Ratio	Lower	Upper
196	100		
198	98.4	80.0	120.0
97	54.6	45.7	68.5
132	28.7	23.0	34.6





#45
2-Fluorobiphenyl
Concen: 77.156 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

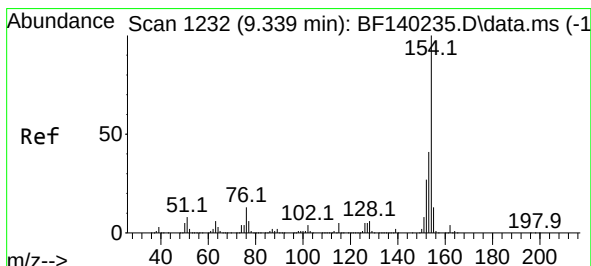
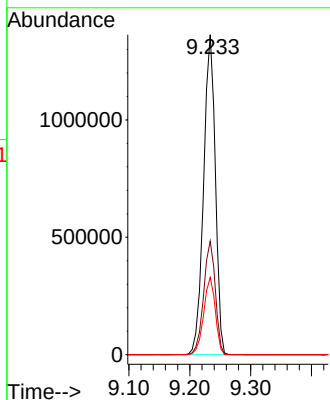
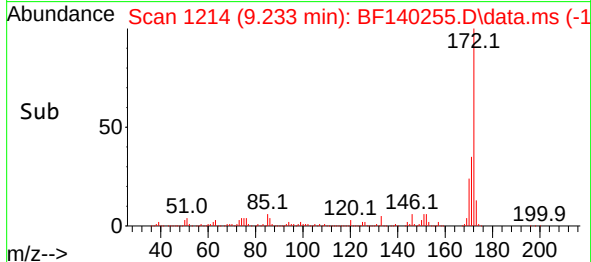
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



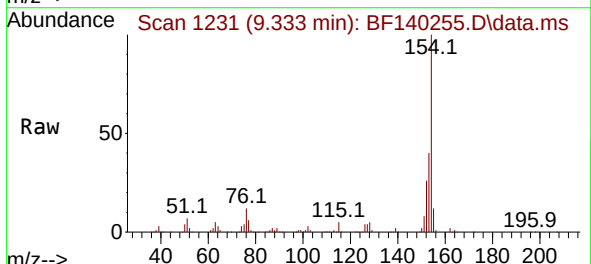
Tgt Ion:172 Resp: 1827380
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 24.1 19.6 29.4

Manual Integrations
APPROVED

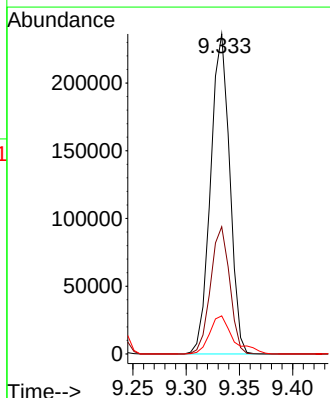
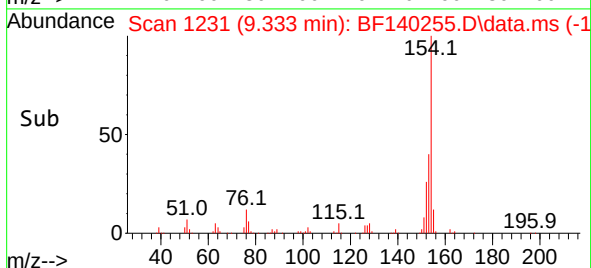
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

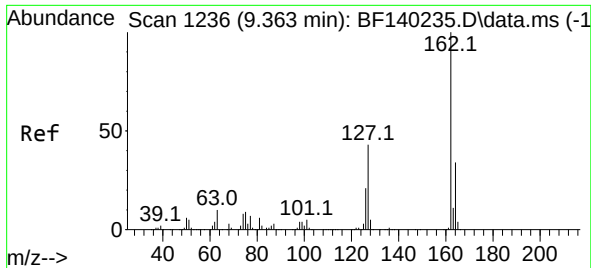


#46
1,1'-Biphenyl
Concen: 10.755 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34



Tgt Ion:154 Resp: 294009
Ion Ratio Lower Upper
154 100
153 39.8 20.8 60.8
76 11.9 0.0 32.6





#47

2-Chloronaphthalene

Concen: 10.158 ng

RT: 9.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

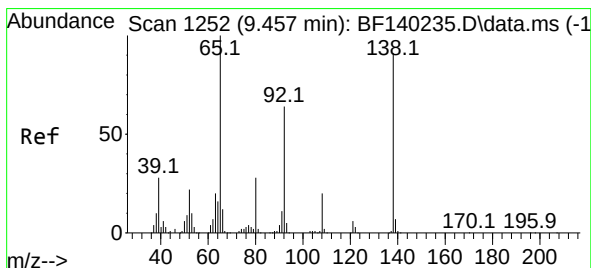
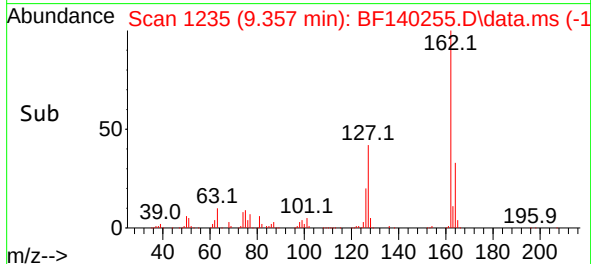
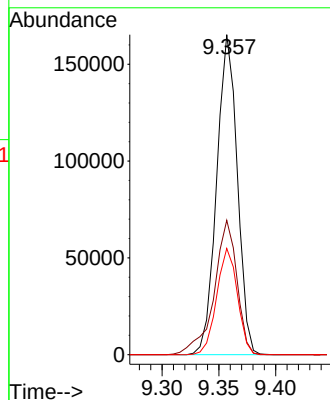
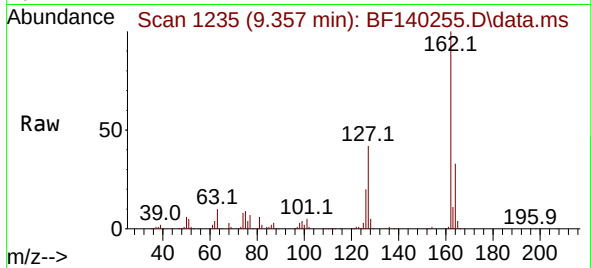
Tgt Ion:	162	Resp:	20899
Ion Ratio	Lower	Upper	
162	100		
127	42.0	34.8	52.2
164	33.2	27.3	40.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :mohammad ahmed 11/08/2024



#48

2-Nitroaniline

Concen: 9.552 ng

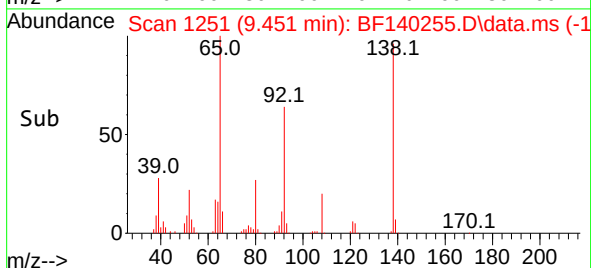
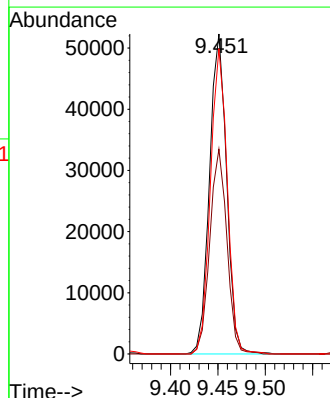
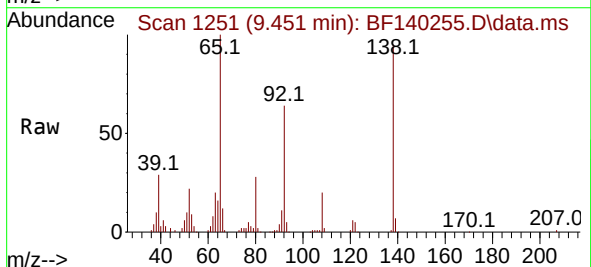
RT: 9.451 min Scan# 1251

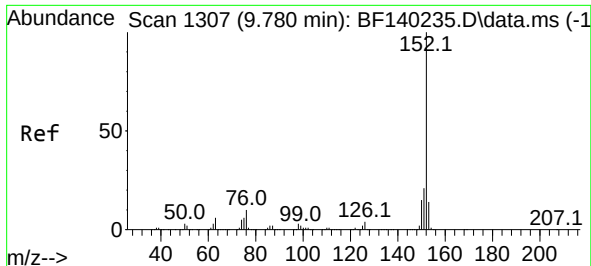
Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

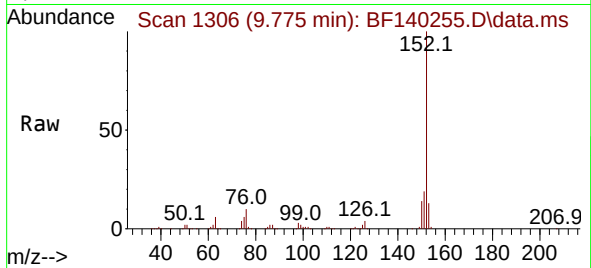
Tgt Ion:	65	Resp:	65723
Ion Ratio	Lower	Upper	
65	100		
92	64.0	51.6	77.4
138	95.4	73.0	109.6





#49
Acenaphthylene
Concen: 11.488 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

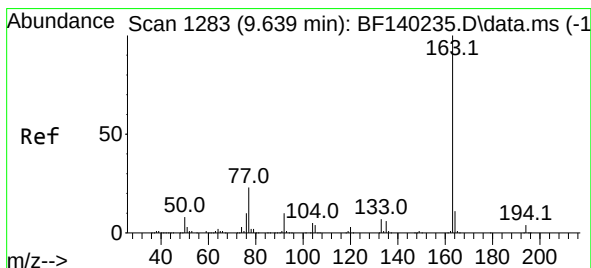
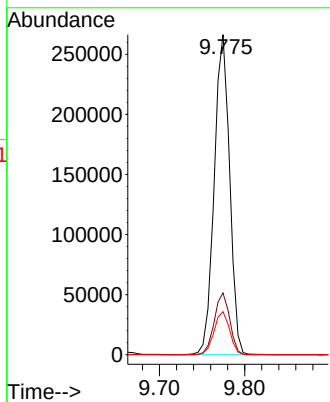
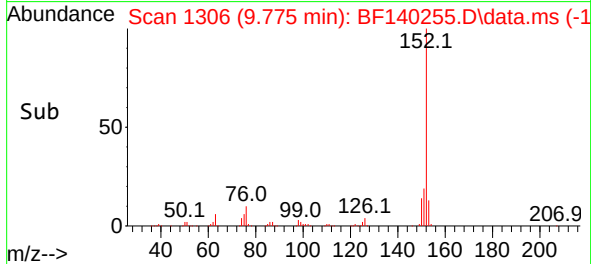
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:152 Resp: 334638
Ion Ratio Lower Upper
152 100
151 19.3 16.4 24.6
153 13.5 11.1 16.7

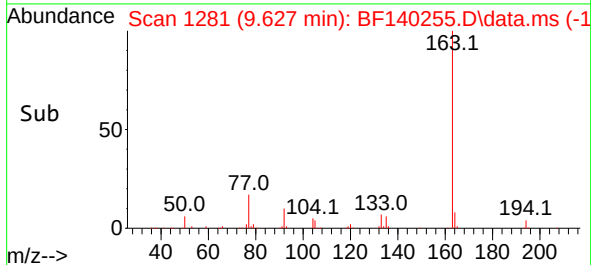
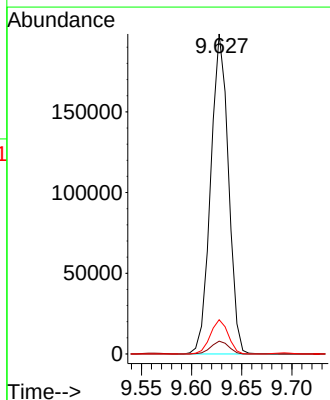
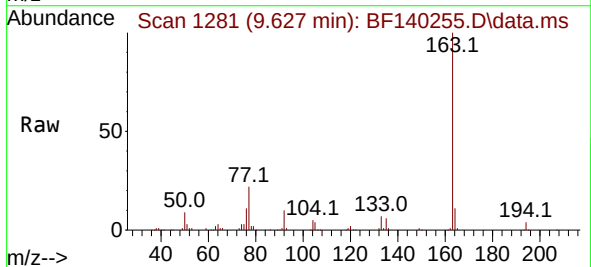
Manual Integrations
APPROVED

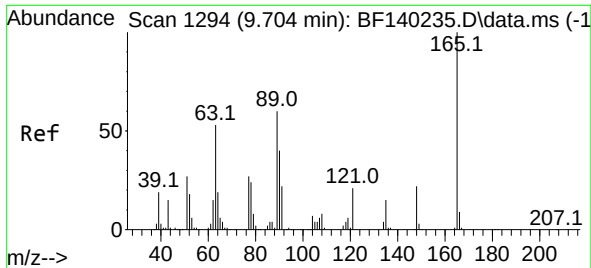
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#50
Dimethylphthalate
Concen: 10.450 ng
RT: 9.627 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:163 Resp: 243388
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.7 8.6 13.0





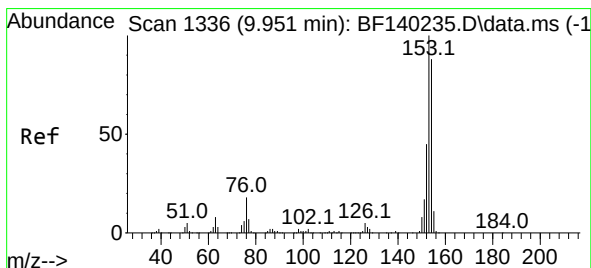
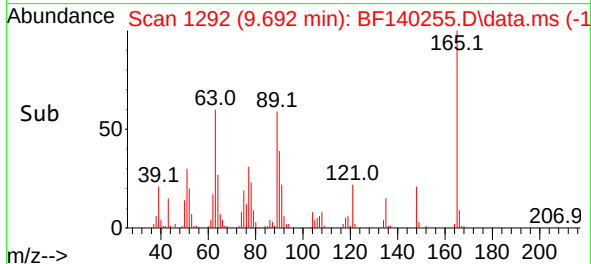
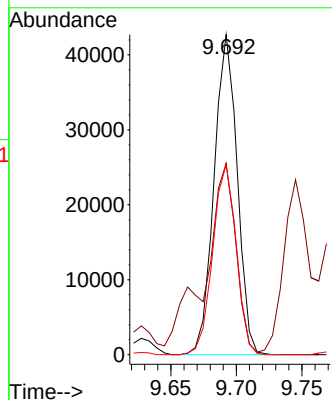
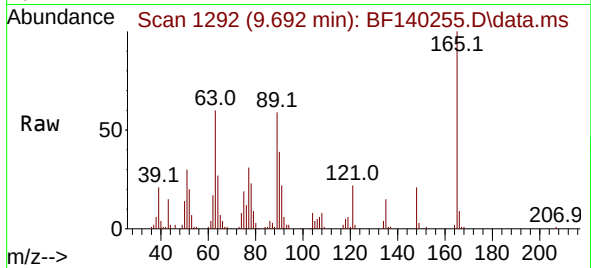
#51
2,6-Dinitrotoluene
Concen: 9.553 ng
RT: 9.692 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

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

Tgt Ion:165 Resp: 5230
Ion Ratio Lower Upper
165 100
63 59.8 48.8 73.2
89 59.4 48.1 72.1

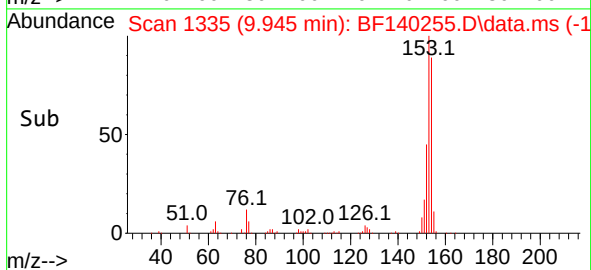
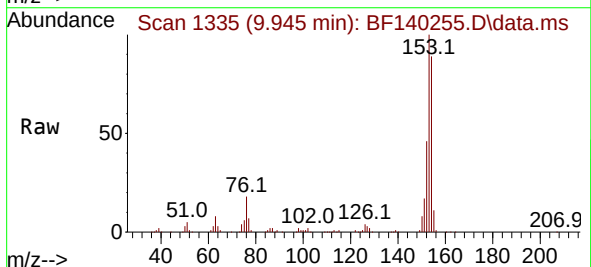
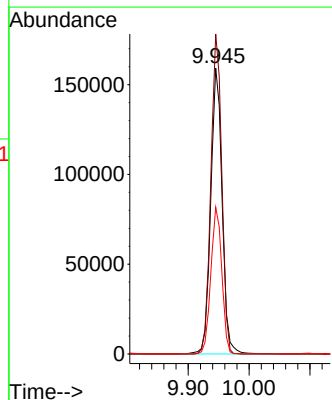
Manual Integrations
APPROVED

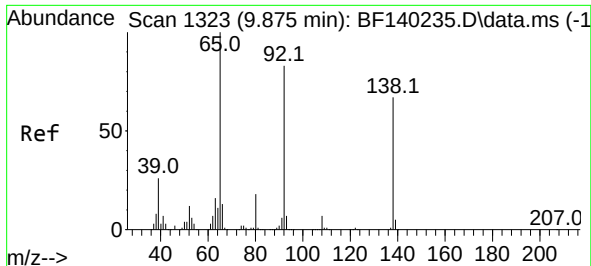
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#52
Acenaphthene
Concen: 9.988 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

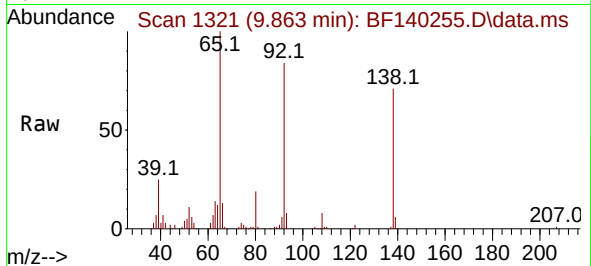
Tgt Ion:154 Resp: 206363
Ion Ratio Lower Upper
154 100
153 111.9 91.3 136.9
152 51.3 41.4 62.2





#53
3-Nitroaniline
Concen: 10.470 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

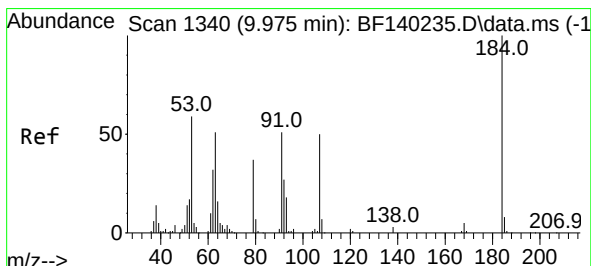
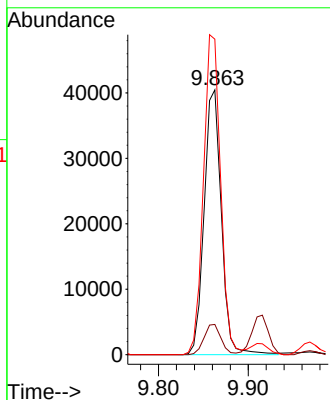
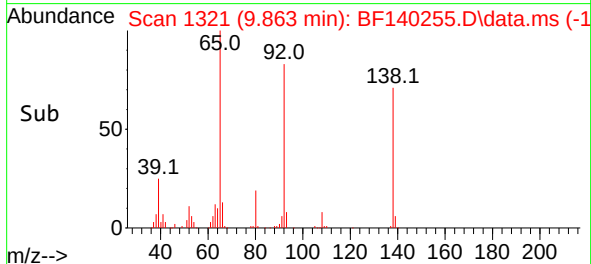
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:138 Resp: 53970
Ion Ratio Lower Upper
138 100
108 11.4 8.8 13.2
92 119.2 100.0 150.0

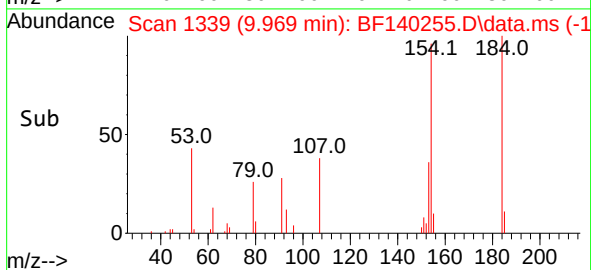
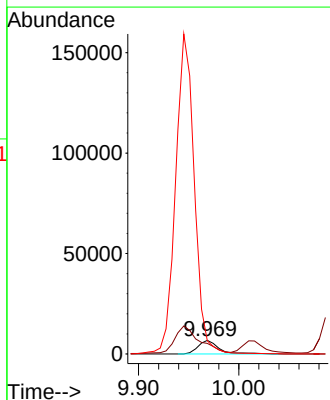
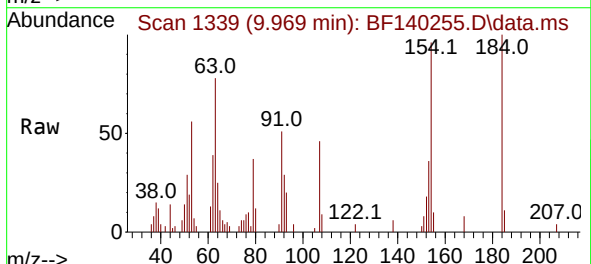
Manual Integrations
APPROVED

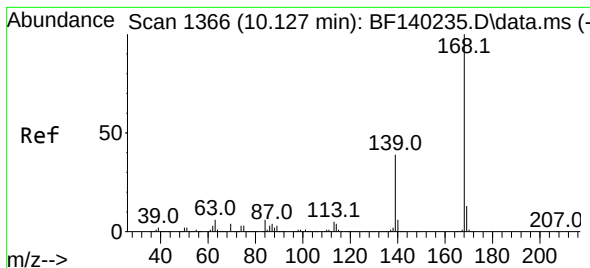
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#54
2,4-Dinitrophenol
Concen: 9.444 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:184 Resp: 9640
Ion Ratio Lower Upper
184 100
63 77.8 60.1 90.1
154 96.2 66.3 99.5





#55

Dibenzenofuran

Concen: 10.821 ng

RT: 10.116 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

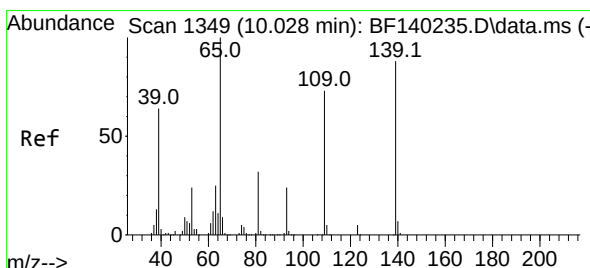
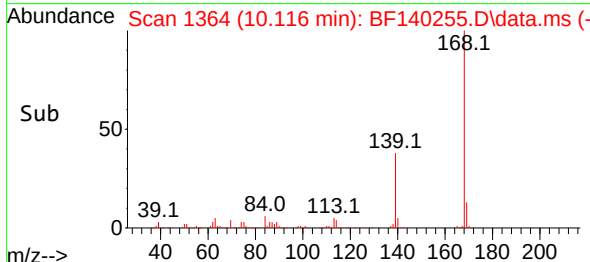
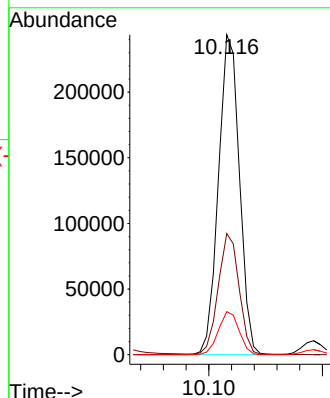
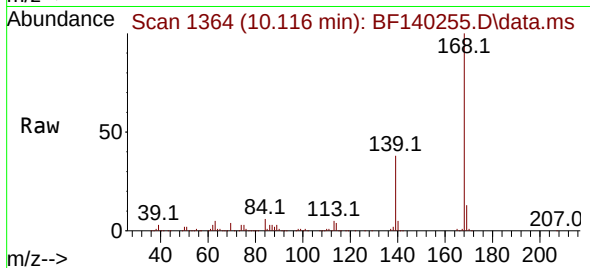
ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:168	Resp: 31264
Ion Ratio	Lower Upper
168	100
139	37.8 31.5 47.3
169	13.5 10.6 15.8

Manual Integrations
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Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#56

4-Nitrophenol

Concen: 8.308 ng

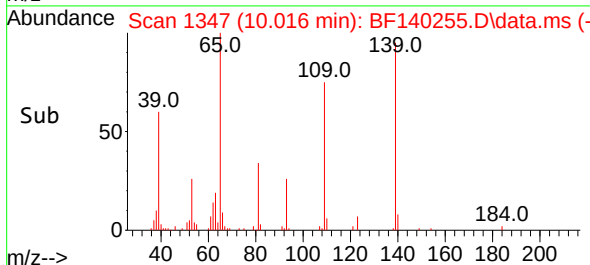
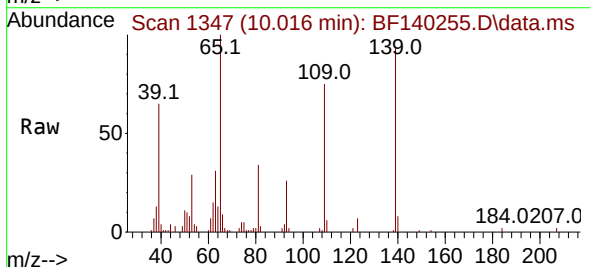
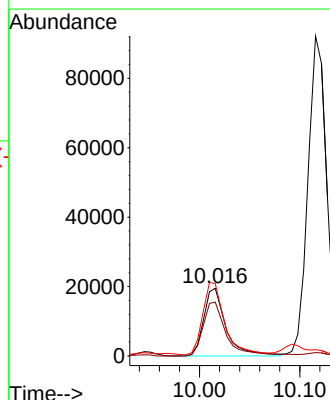
RT: 10.016 min Scan# 1347

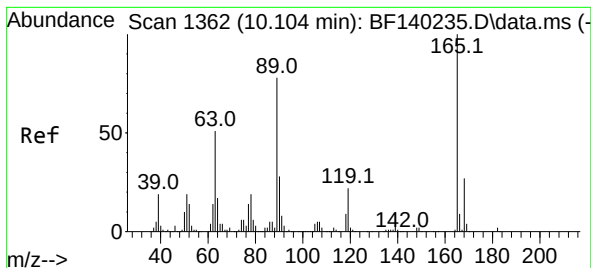
Delta R.T. -0.012 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Tgt Ion:139	Resp: 30116
Ion Ratio	Lower Upper
139	100
109	79.9 63.8 103.8
65	107.0 94.7 134.7





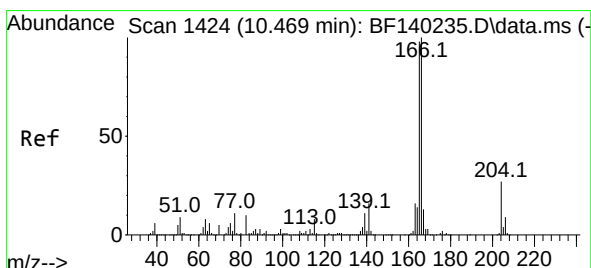
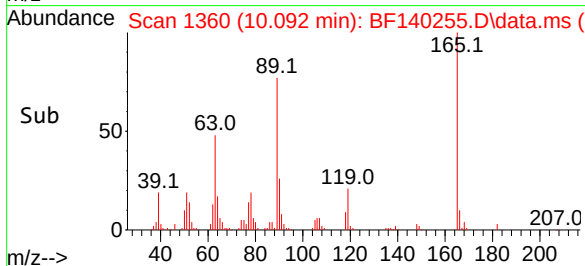
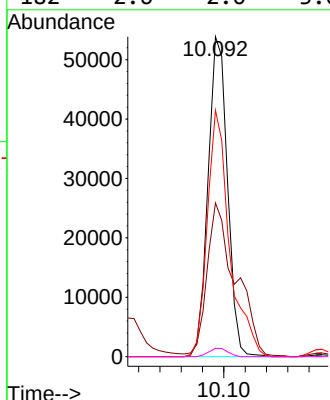
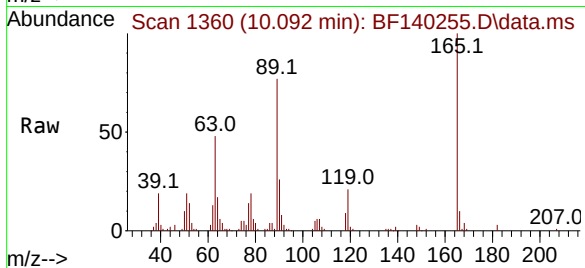
#57
2,4-Dinitrotoluene
Concen: 9.595 ng
RT: 10.092 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

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

Tgt Ion:165 Resp: 6816
Ion Ratio Lower Upper
165 100
63 48.0 41.3 61.9
89 77.0 62.6 94.0
182 2.6 2.0 3.0

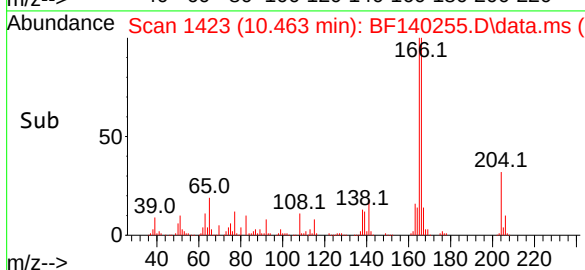
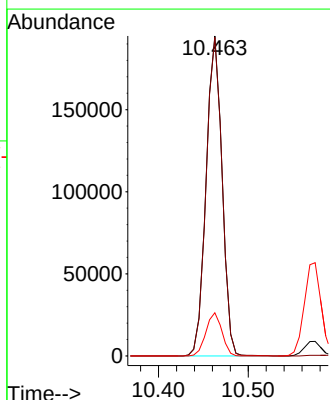
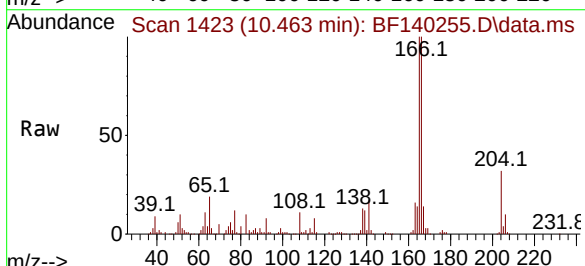
Manual Integrations
APPROVED

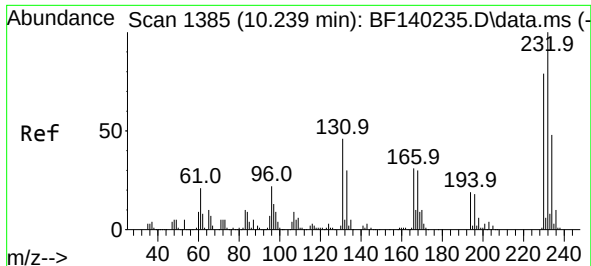
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#58
Fluorene
Concen: 10.461 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

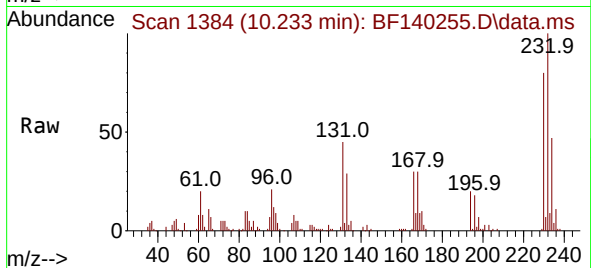
Tgt Ion:166 Resp: 240583
Ion Ratio Lower Upper
166 100
165 99.6 78.7 118.1
167 13.5 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.906 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

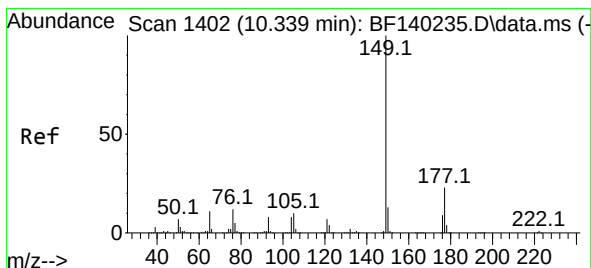
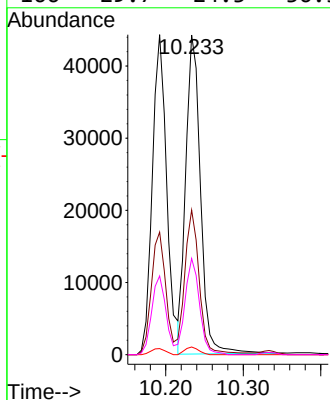
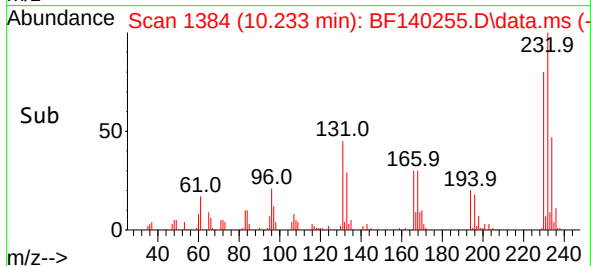
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:232 Resp: 5854
Ion Ratio Lower Upper
232 100
131 45.1 37.2 55.8
130 2.2 1.8 2.8
166 29.7 24.3 36.5

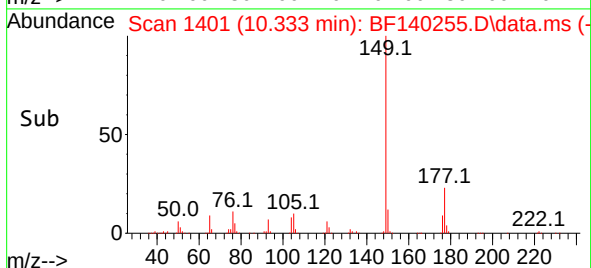
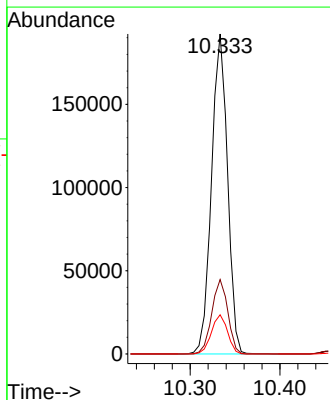
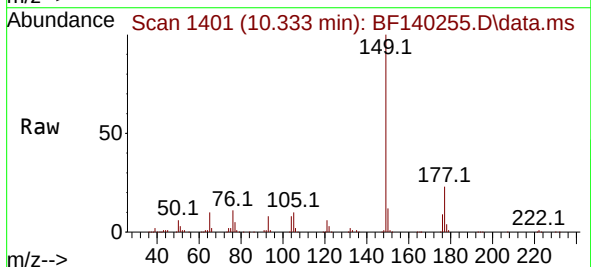
Manual Integrations
APPROVED

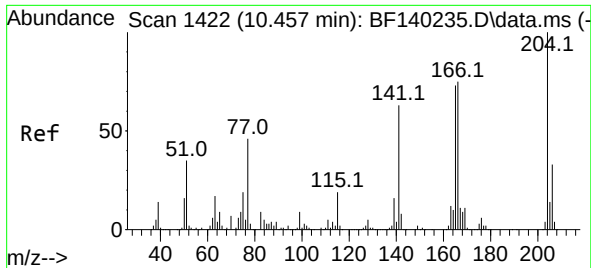
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#60
Diethylphthalate
Concen: 10.284 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:149 Resp: 238026
Ion Ratio Lower Upper
149 100
177 23.2 18.1 27.1
150 12.3 10.2 15.4





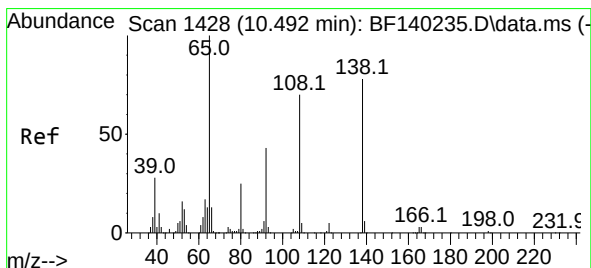
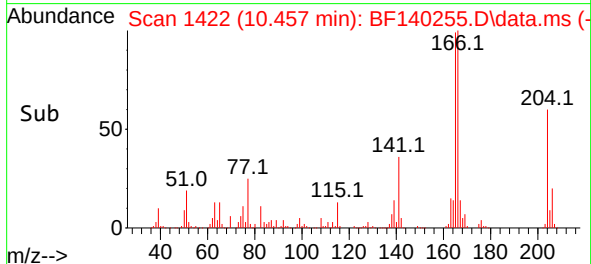
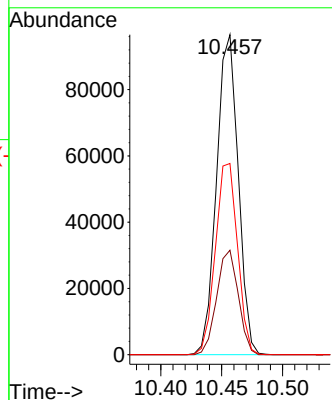
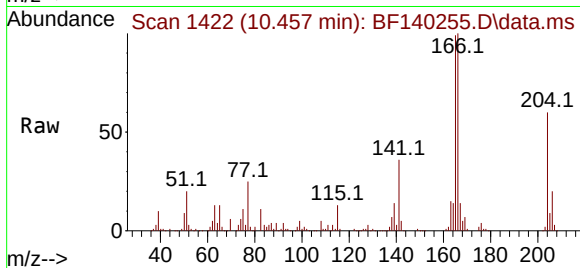
#61
4-Chlorophenyl-phenylether
Concen: 10.340 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

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

Tgt Ion:204 Resp: 11985
Ion Ratio Lower Upper
204 100
206 32.7 26.2 39.4
141 59.8 50.3 75.5

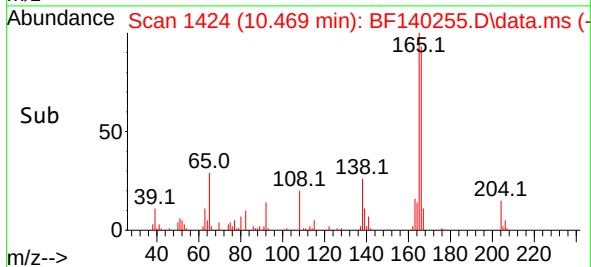
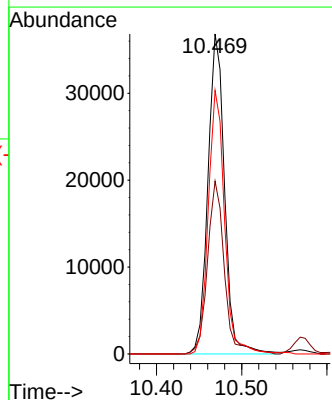
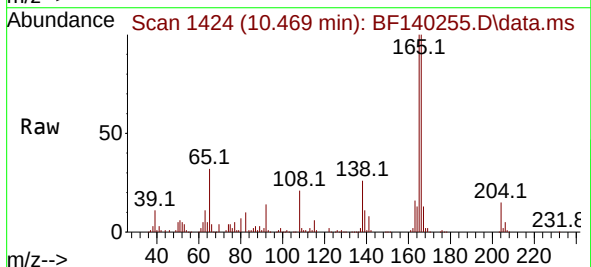
Manual Integrations
APPROVED

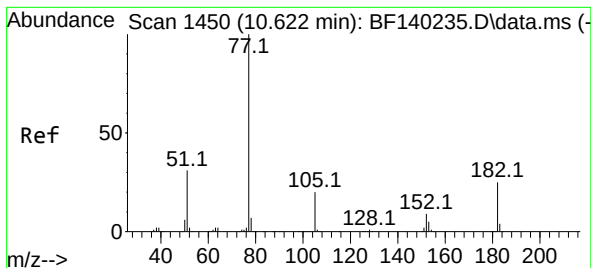
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#62
4-Nitroaniline
Concen: 9.769 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.024 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:138 Resp: 50047
Ion Ratio Lower Upper
138 100
92 54.0 35.3 75.3
108 82.3 70.1 110.1





#63

Azobenzene

Concen: 10.335 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF140255.D

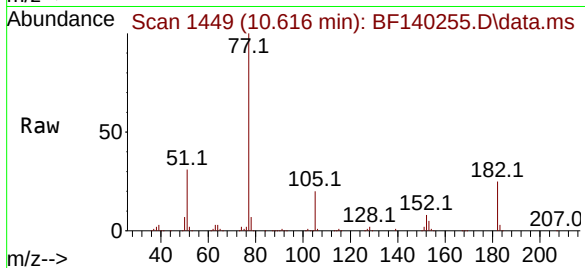
Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion: 77 Resp: 24796

Ion Ratio Lower Upper

77 100

182 25.1 4.7 44.7

105 20.4 0.0 40.0

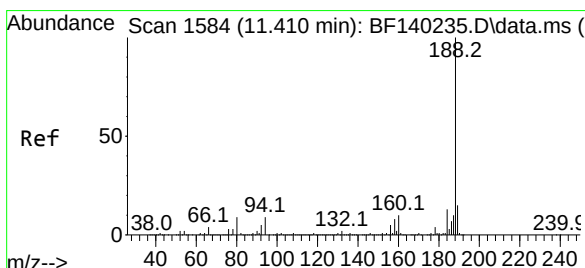
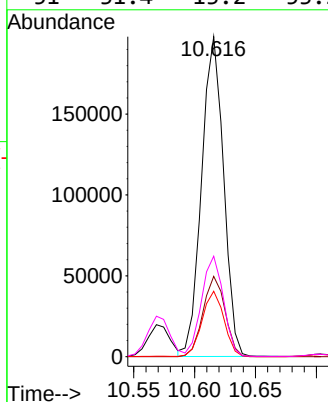
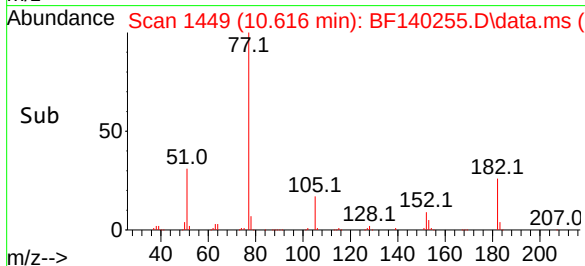
51 31.4 13.2 53.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :mohammad ahmed 11/08/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

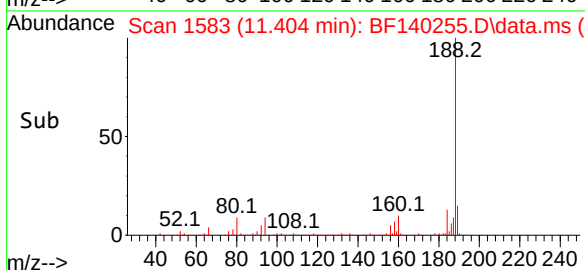
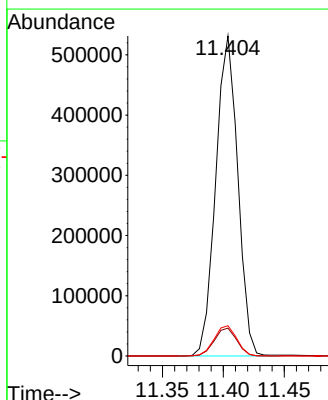
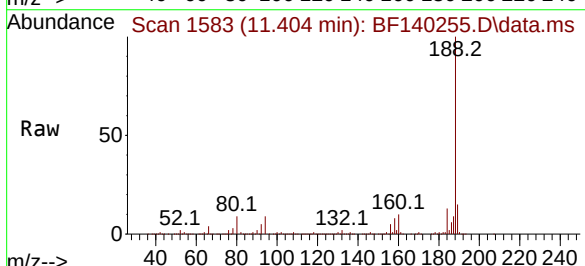
Tgt Ion:188 Resp: 670348

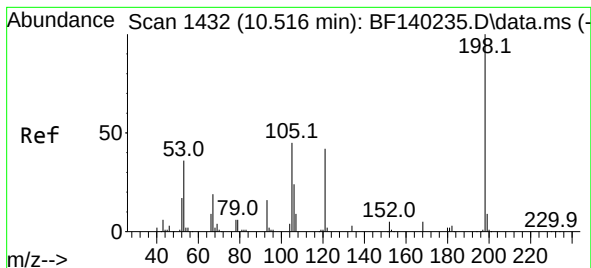
Ion Ratio Lower Upper

188 100

94 8.7 6.9 10.3

80 9.5 7.5 11.3





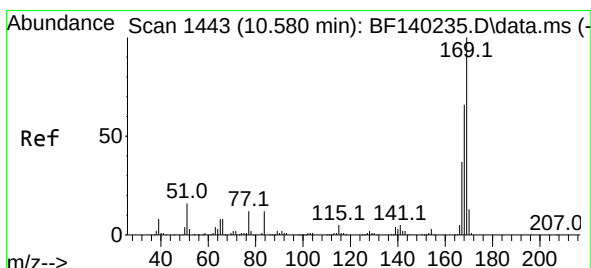
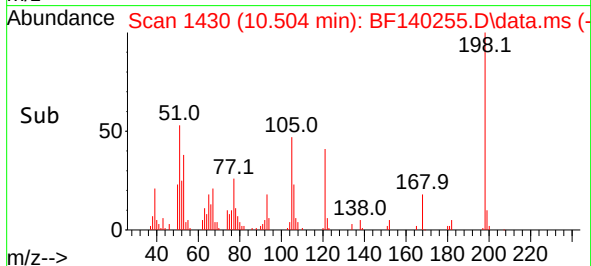
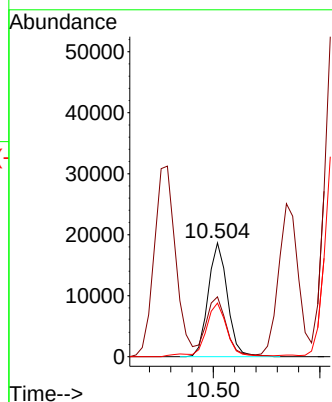
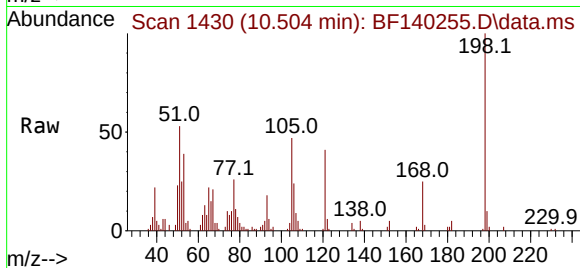
#65
4,6-Dinitro-2-methylphenol
Concen: 6.649 ng
RT: 10.504 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

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

Tgt Ion:198 Resp: 23410
Ion Ratio Lower Upper
198 100
51 52.6 34.0 74.0
105 47.1 25.1 65.1

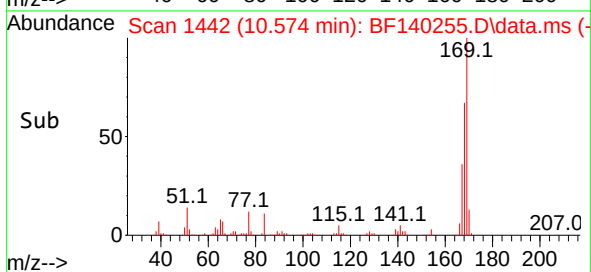
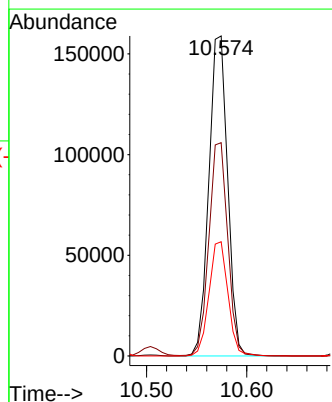
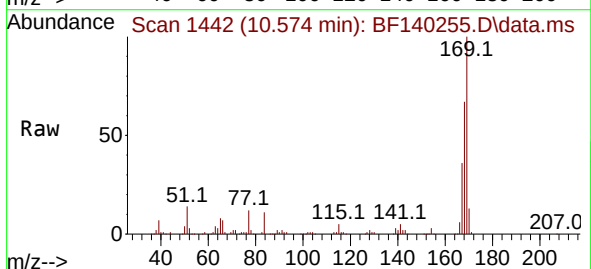
Manual Integrations
APPROVED

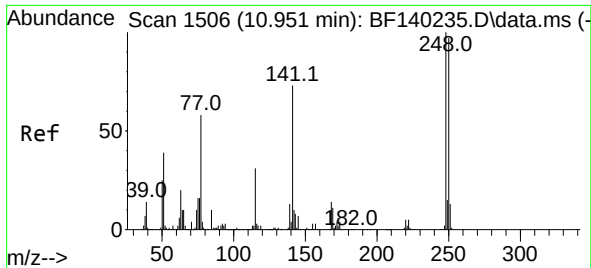
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#66
n-Nitrosodiphenylamine
Concen: 10.749 ng
RT: 10.574 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

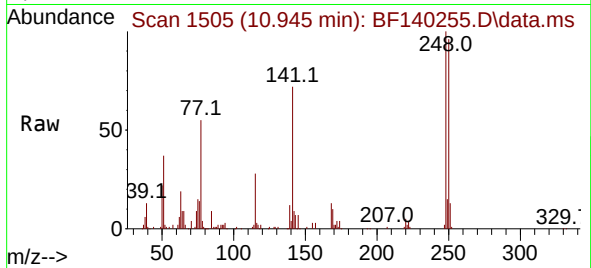
Tgt Ion:169 Resp: 207241
Ion Ratio Lower Upper
169 100
168 66.6 53.0 79.6
167 35.7 29.4 44.2





#67
4-Bromophenyl-phenylether
Concen: 10.650 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

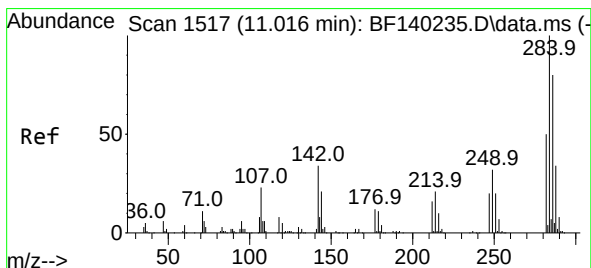
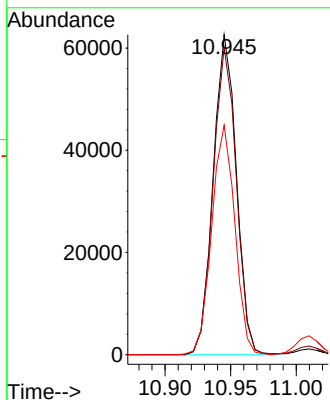
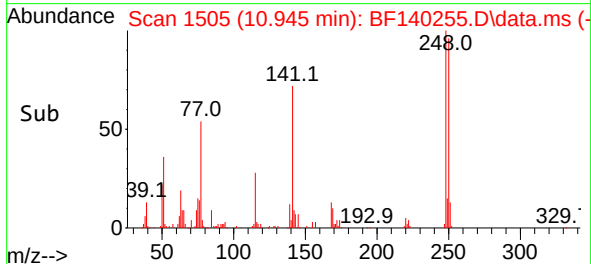
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



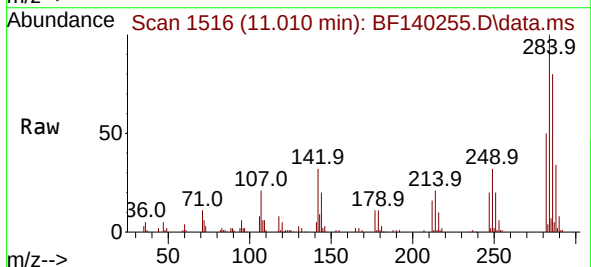
Tgt Ion:248 Resp: 76879
Ion Ratio Lower Upper
248 100
250 95.9 77.9 116.9
141 71.7 58.6 88.0

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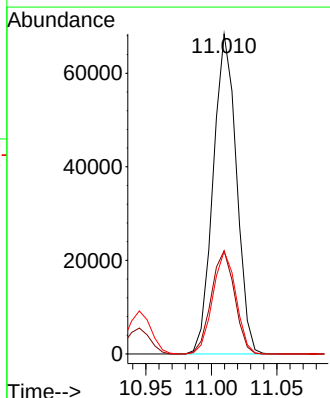
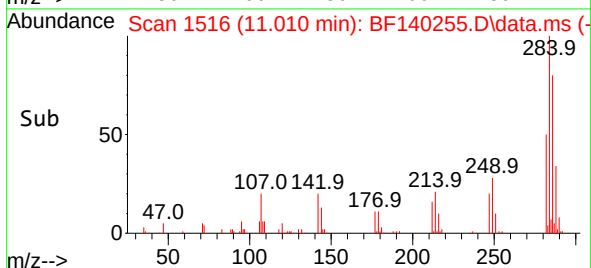
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

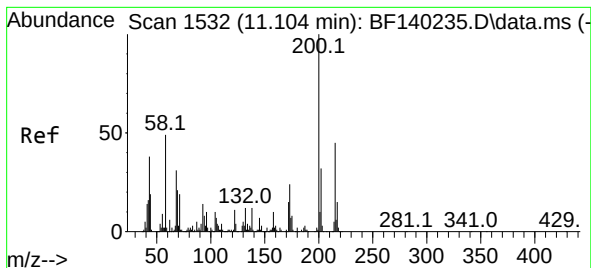


#68
Hexachlorobenzene
Concen: 10.243 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34



Tgt Ion:284 Resp: 84280
Ion Ratio Lower Upper
284 100
142 32.3 27.5 41.3
249 32.1 26.2 39.2





#69

Atrazine

Concen: 13.456 ng

RT: 11.092 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

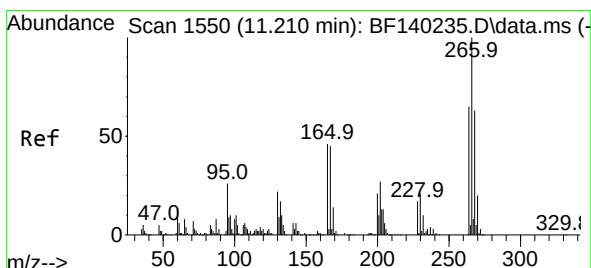
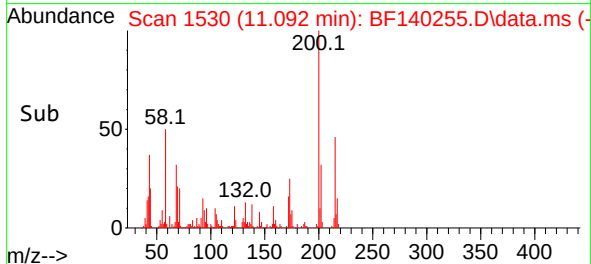
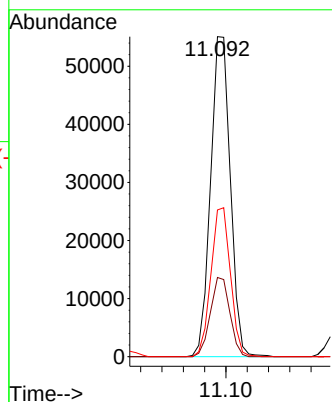
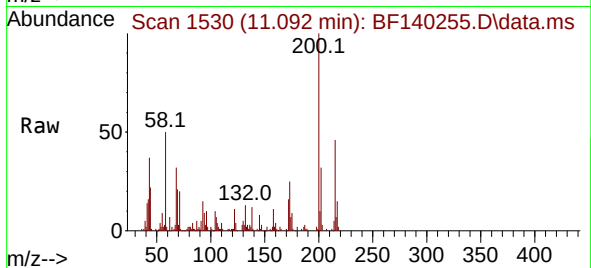
Tgt Ion:	200	Resp:	7097
Ion Ratio	Lower	Upper	
200	100		
173	24.7	4.4	44.4
215	45.9	25.2	65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :mohammad ahmed 11/08/2024



#70

Pentachlorophenol

Concen: 7.419 ng

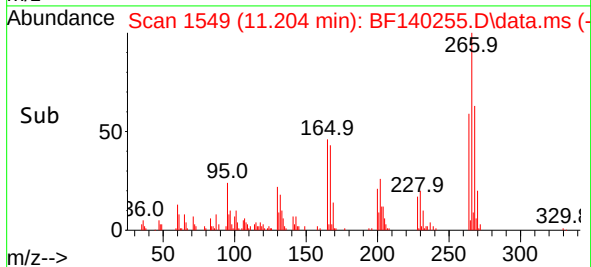
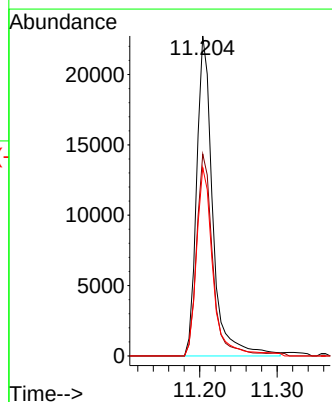
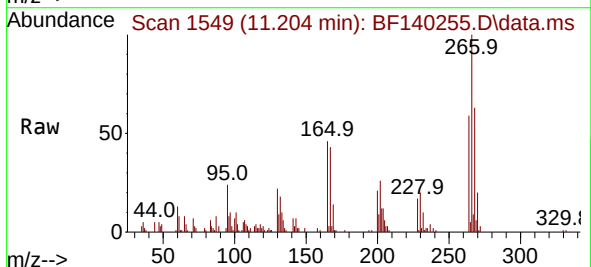
RT: 11.204 min Scan# 1549

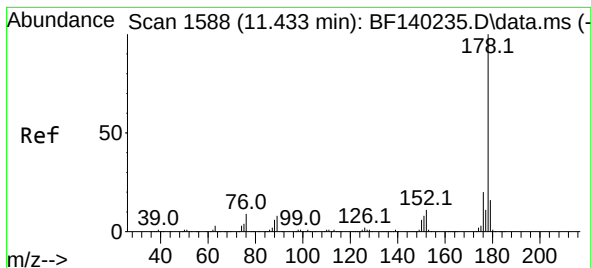
Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Tgt Ion:	266	Resp:	32781
Ion Ratio	Lower	Upper	
266	100		
268	63.1	50.2	75.4
264	58.8	52.2	78.4





#71

Phenanthrene

Concen: 10.913 ng

RT: 11.427 min Scan# 1587

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

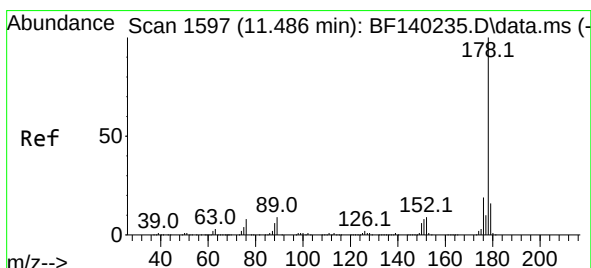
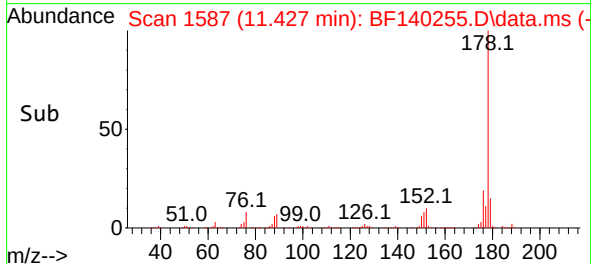
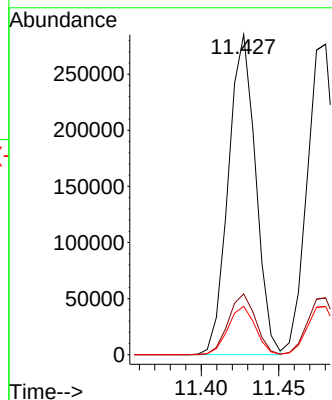
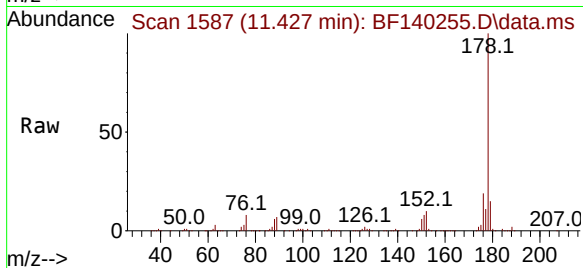
Tgt Ion:178 Resp: 349124
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.9 23.9
 179 15.1 12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :mohammad ahmed 11/08/2024



#72

Anthracene

Concen: 11.552 ng

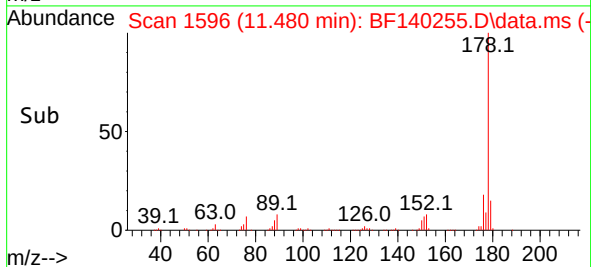
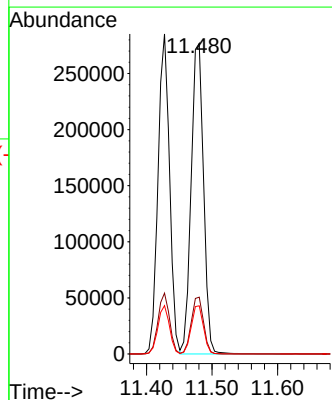
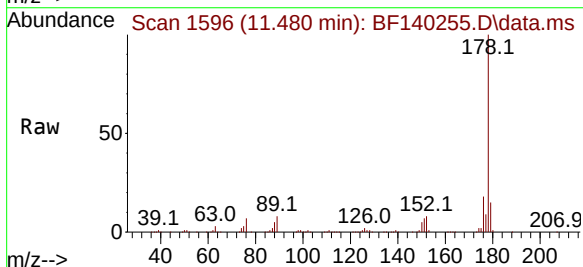
RT: 11.480 min Scan# 1596

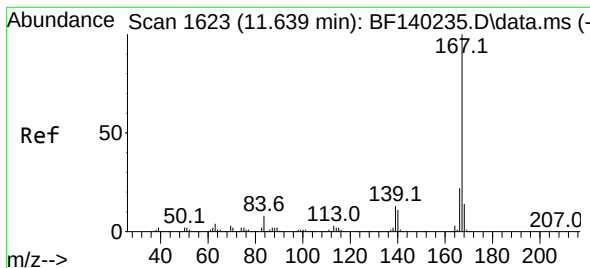
Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Tgt Ion:178 Resp: 362392
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.0
 179 15.5 12.7 19.1





#73

Carbazole

Concen: 10.436 ng

RT: 11.633 min Scan# 1622

Delta R.T. -0.006 min

Lab File: BF140255.D

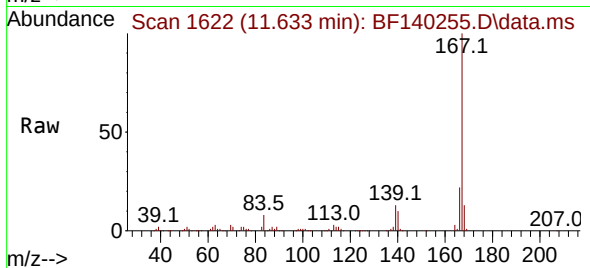
Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:167 Resp: 299120

Ion Ratio Lower Upper

167 100

166 21.8 17.3 25.9

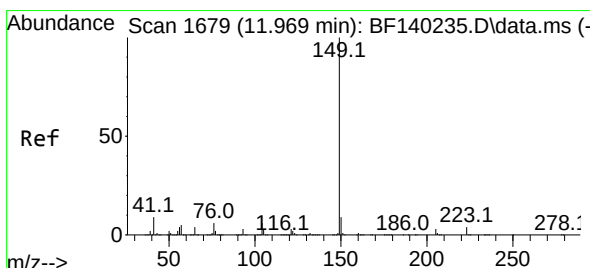
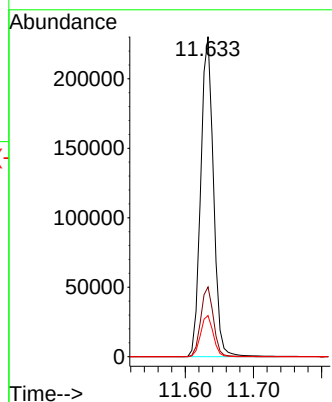
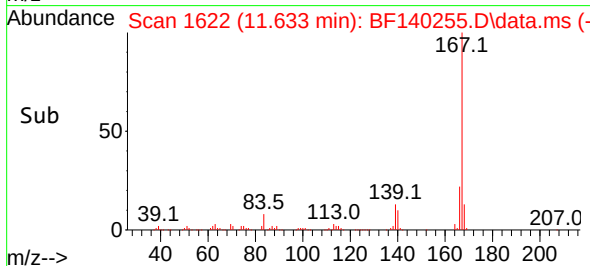
139 12.9 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :mohammad ahmed 11/08/2024



#74

Di-n-butylphthalate

Concen: 10.650 ng

RT: 11.963 min Scan# 1678

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

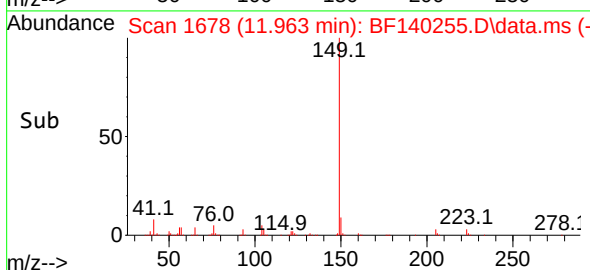
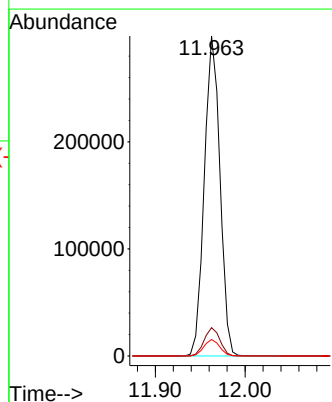
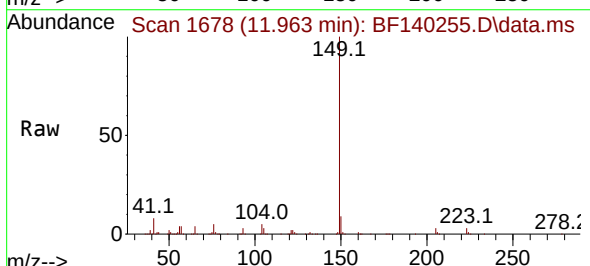
Tgt Ion:149 Resp: 361358

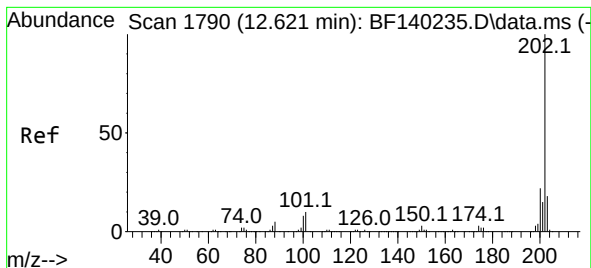
Ion Ratio Lower Upper

149 100

150 8.8 7.4 11.2

104 5.2 4.5 6.7





#75

Fluoranthene

Concen: 10.587 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

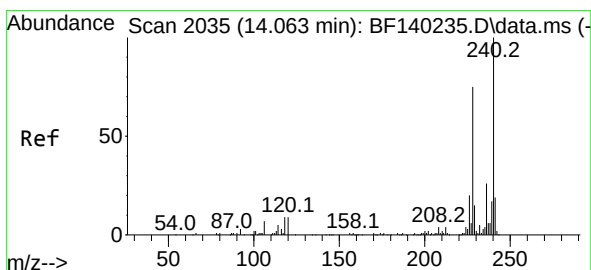
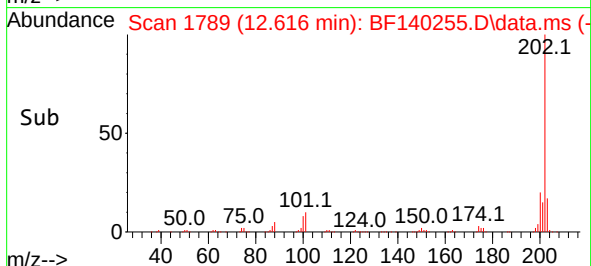
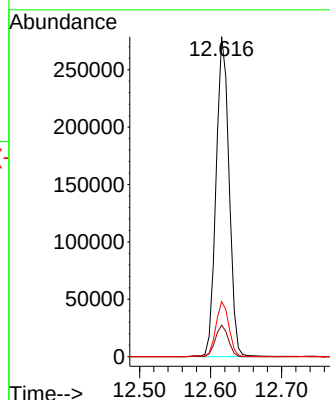
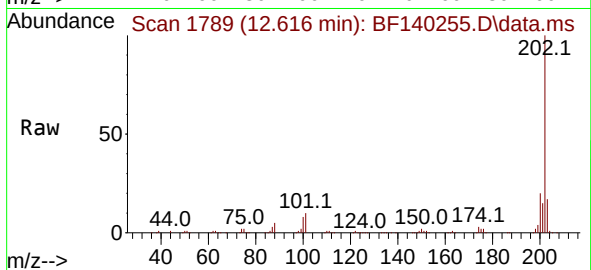
Tgt Ion:	202	Resp:	35415
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	30.4
203	17.2	0.0	38.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :mohammad ahmed 11/08/2024



#76

Chrysene-d12

Concen: 20.000 ng

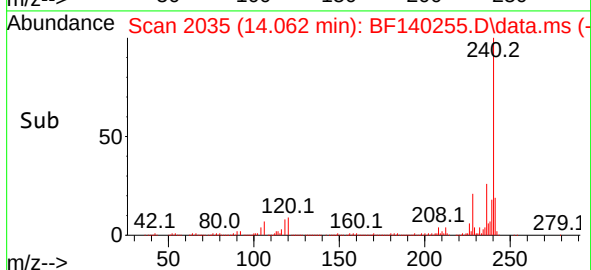
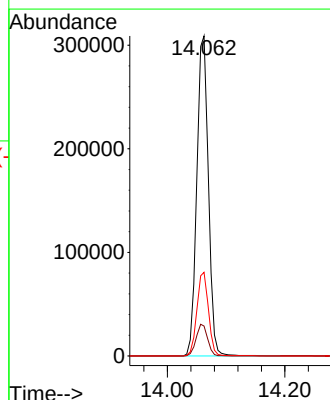
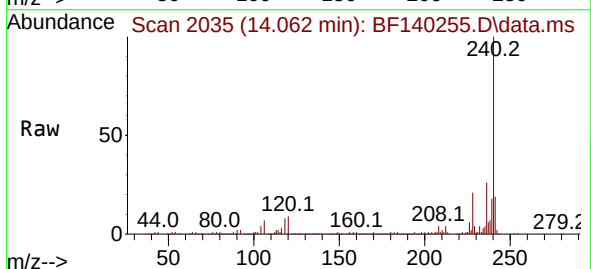
RT: 14.062 min Scan# 2035

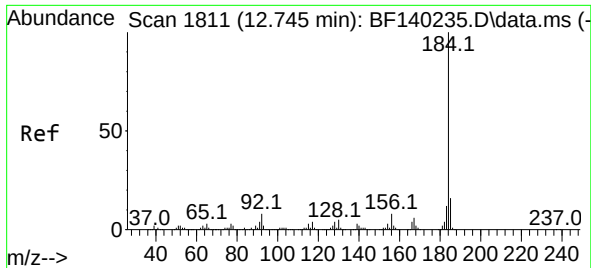
Delta R.T. -0.000 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

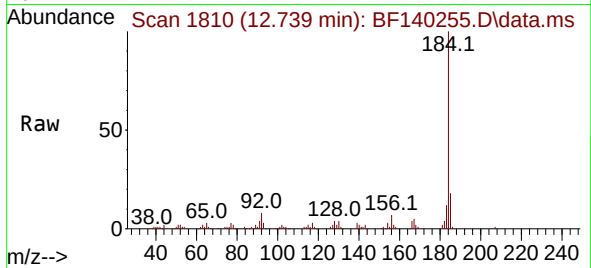
Tgt Ion:	240	Resp:	422007
Ion Ratio	Lower	Upper	
240	100		
120	9.3	7.5	11.3
236	26.1	20.9	31.3





#77
Benzidine
Concen: 11.784 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

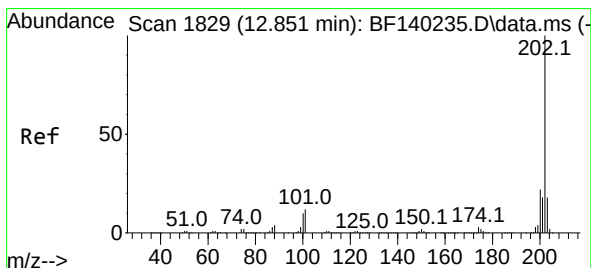
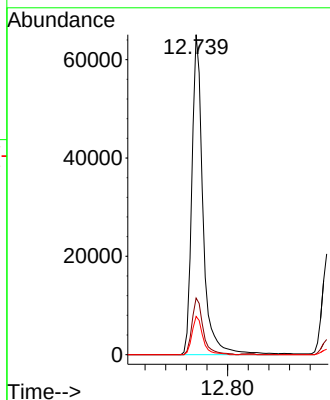
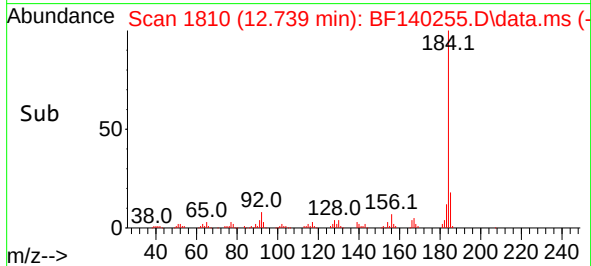
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



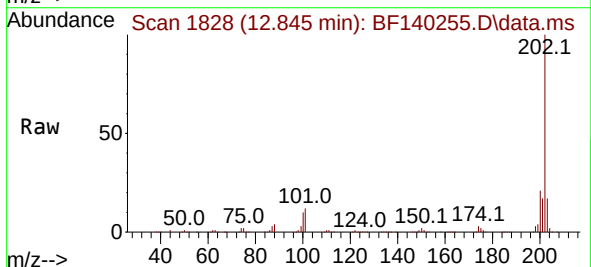
Tgt Ion:184 Resp: 97220
Ion Ratio Lower Upper
184 100
185 17.7 12.5 18.7
183 12.0 9.3 13.9

Manual Integrations
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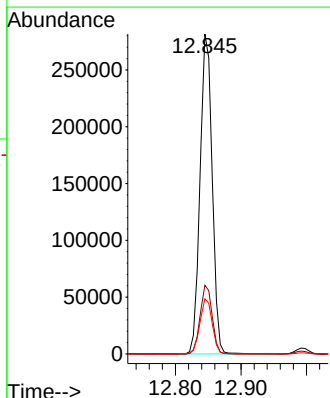
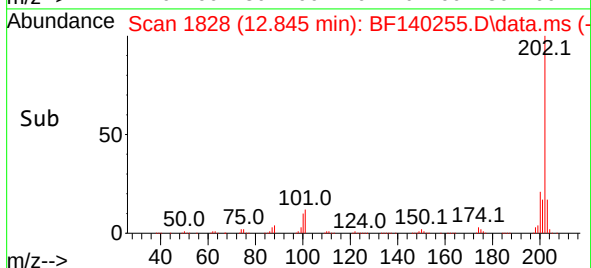
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

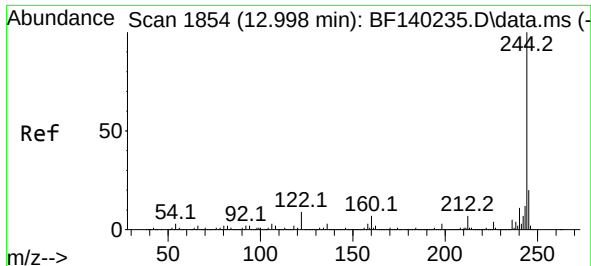


#78
Pyrene
Concen: 10.433 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34



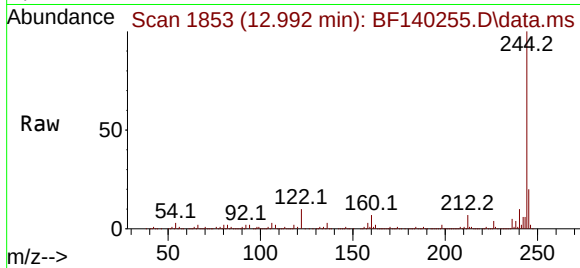
Tgt Ion:202 Resp: 363527
Ion Ratio Lower Upper
202 100
200 21.4 17.5 26.3
203 17.3 14.4 21.6





#79
Terphenyl-d14
Concen: 76.798 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

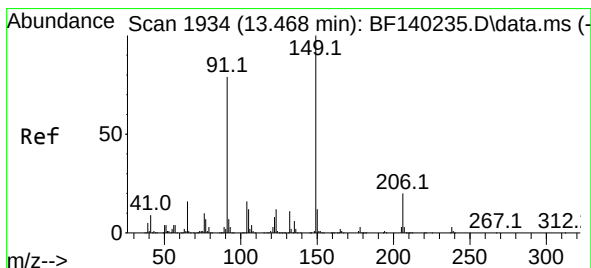
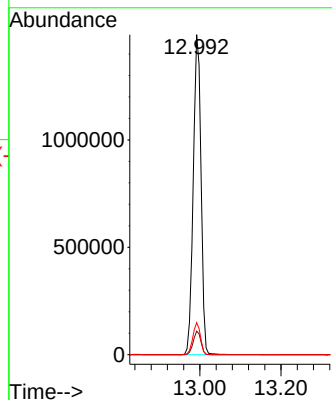
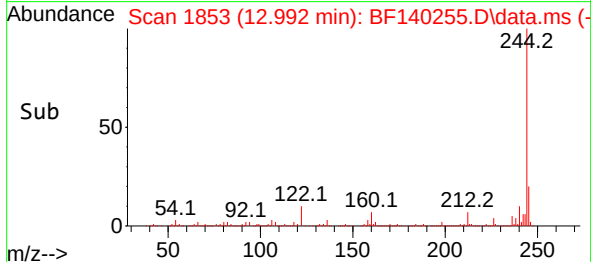
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:244 Resp: 197842
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 10.0 7.6 11.4

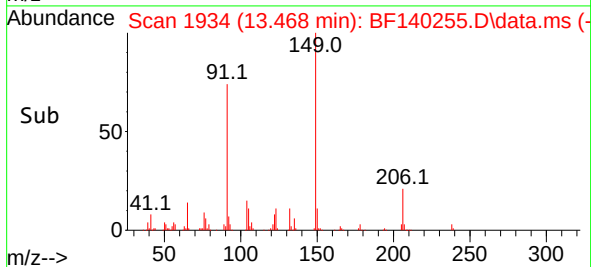
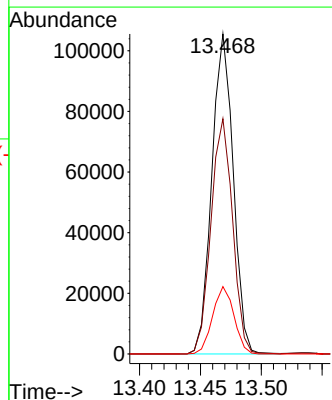
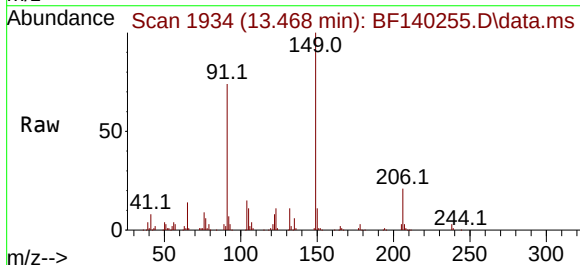
Manual Integrations
APPROVED

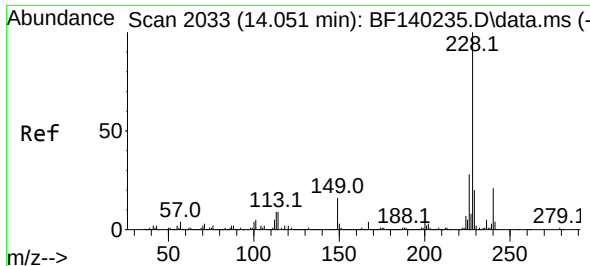
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#80
Butylbenzylphthalate
Concen: 10.290 ng
RT: 13.468 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

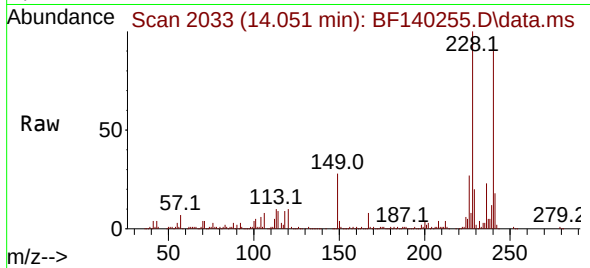
Tgt Ion:149 Resp: 129108
Ion Ratio Lower Upper
149 100
91 73.5 63.0 94.4
206 21.0 16.4 24.6





#81
Benzo(a)anthracene
Concen: 10.594 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

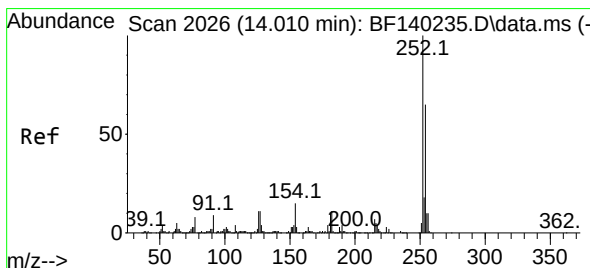
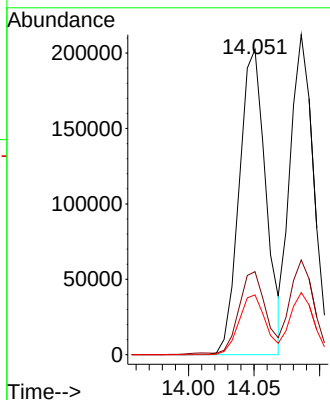
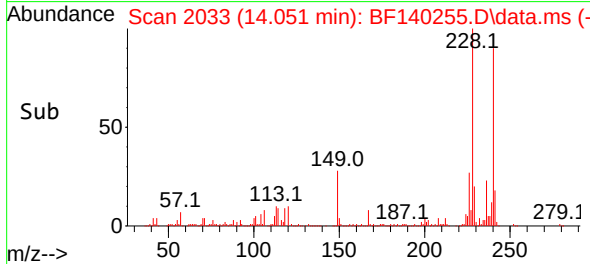
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:228 Resp: 286920
Ion Ratio Lower Upper
228 100
226 27.2 22.3 33.5
229 19.6 16.1 24.1

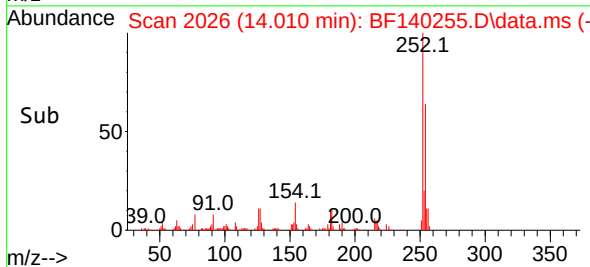
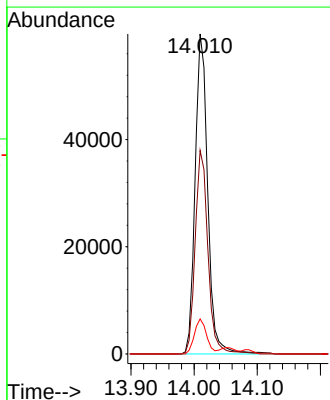
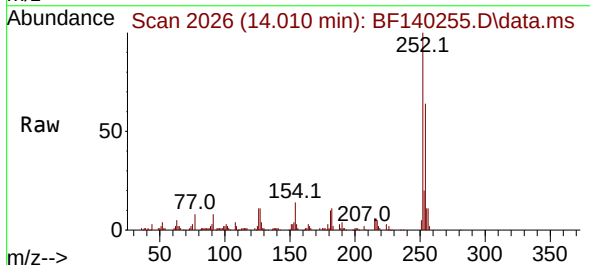
Manual Integrations
APPROVED

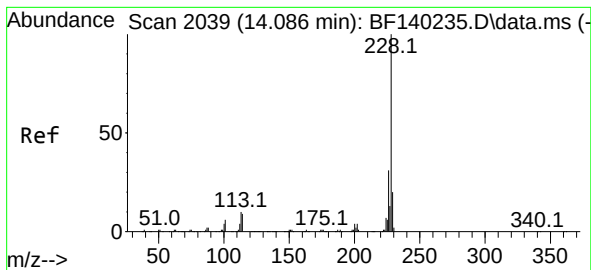
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#82
3,3'-Dichlorobenzidine
Concen: 9.708 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:252 Resp: 82563
Ion Ratio Lower Upper
252 100
254 63.6 51.8 77.8
126 11.0 8.6 12.8





#83

Chrysene

Concen: 10.507 ng

RT: 14.086 min Scan# 2039

Delta R.T. -0.000 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

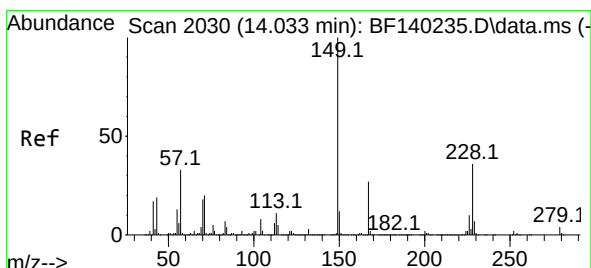
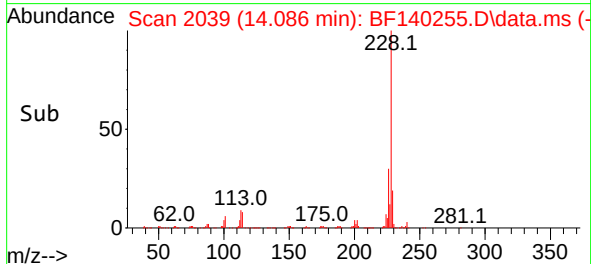
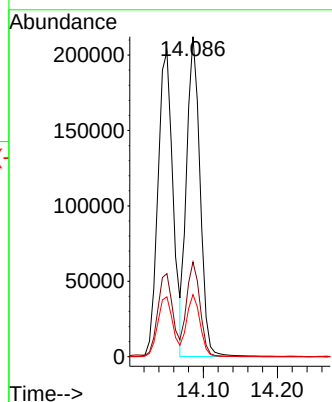
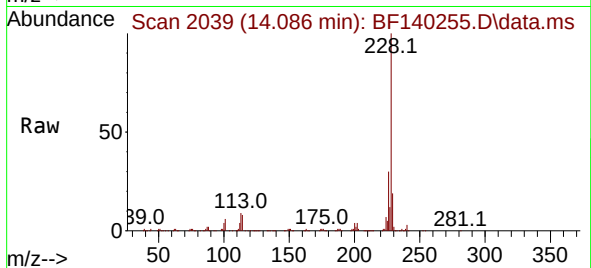
Tgt Ion:	228	Resp:	266469
Ion Ratio	Lower	Upper	
228	100		
226	29.6	24.6	36.8
229	19.4	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :mohammad ahmed 11/08/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.442 ng

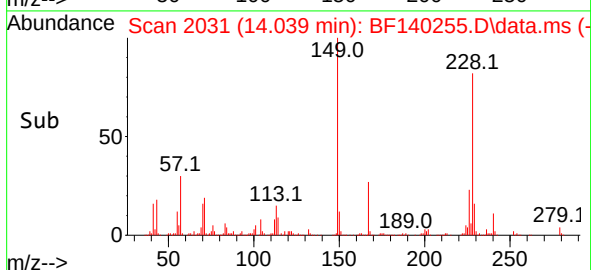
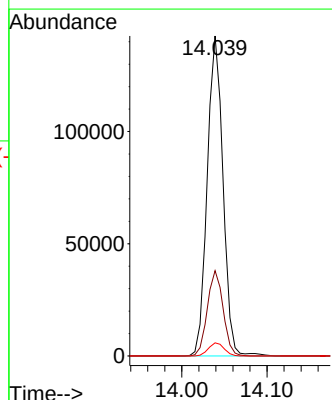
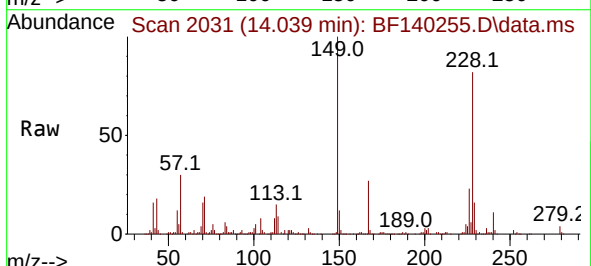
RT: 14.039 min Scan# 2031

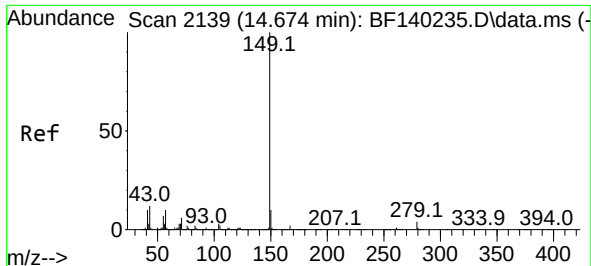
Delta R.T. 0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

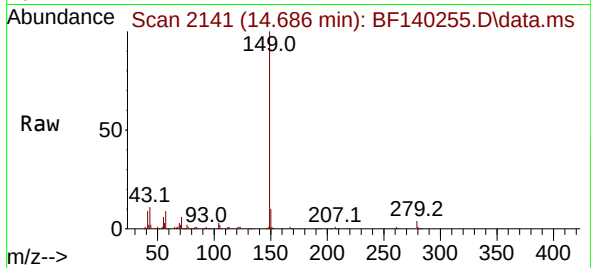
Tgt Ion:	149	Resp:	183618
Ion Ratio	Lower	Upper	
149	100		
167	26.7	21.8	32.8
279	4.1	3.2	4.8





#85
Di-n-octyl phthalate
Concen: 9.609 ng
RT: 14.686 min Scan# 2139
Delta R.T. 0.012 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

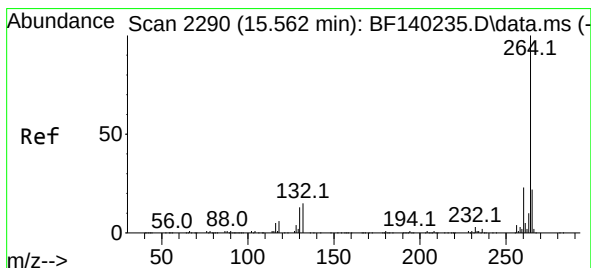
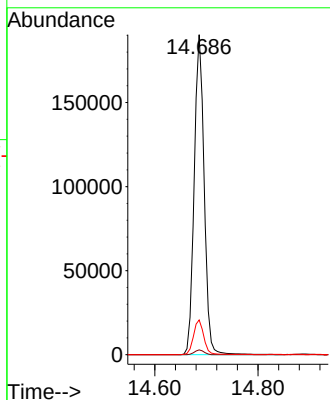
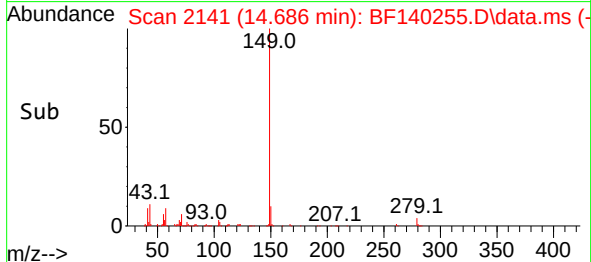
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



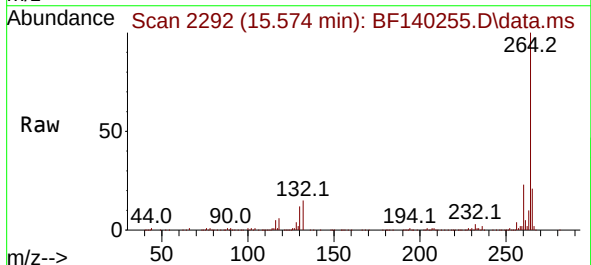
Tgt Ion:149 Resp: 254335
Ion Ratio Lower Upper
149 100
167 1.4 1.3 1.9
43 11.3 9.7 14.5

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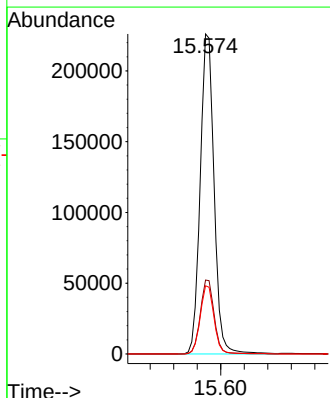
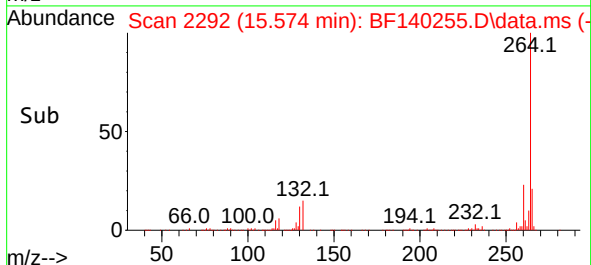
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

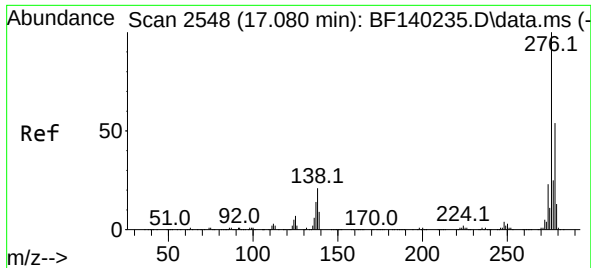


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2292
Delta R.T. 0.012 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34



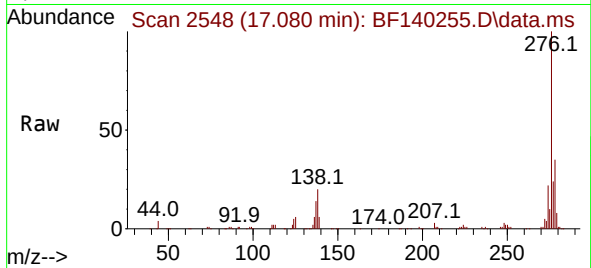
Tgt Ion:264 Resp: 370601
Ion Ratio Lower Upper
264 100
260 23.1 18.8 28.2
265 21.3 17.3 25.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.138 ng
RT: 17.080 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

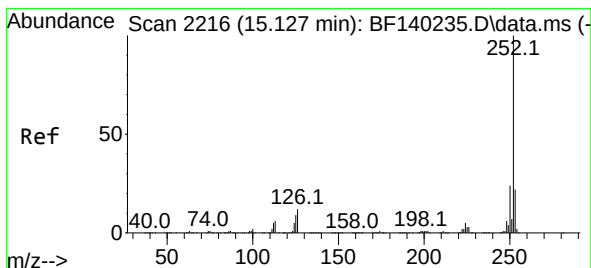
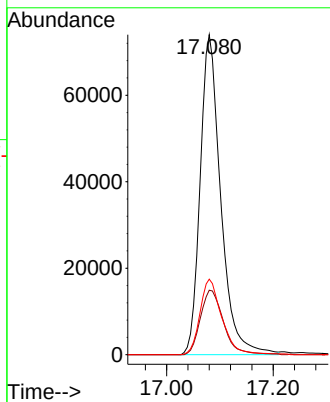
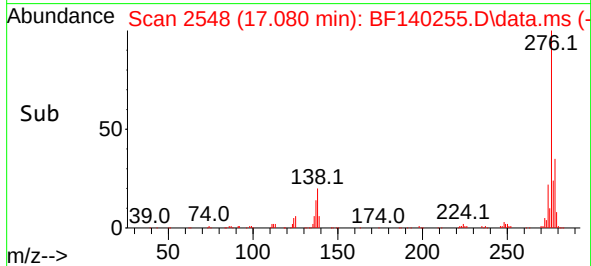
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2024



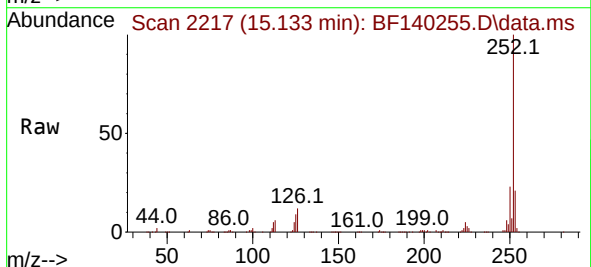
Tgt Ion:276 Resp: 19878
Ion Ratio Lower Upper
276 100
138 22.5 17.6 26.4
277 25.1 20.2 30.2

Manual Integrations
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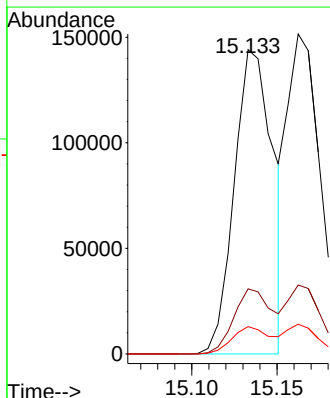
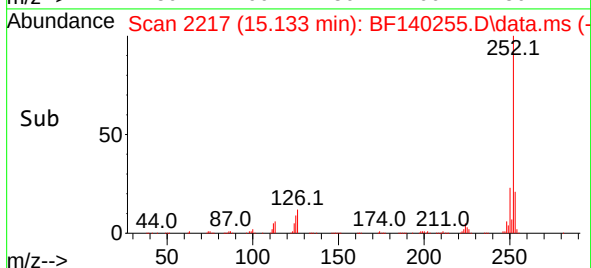
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

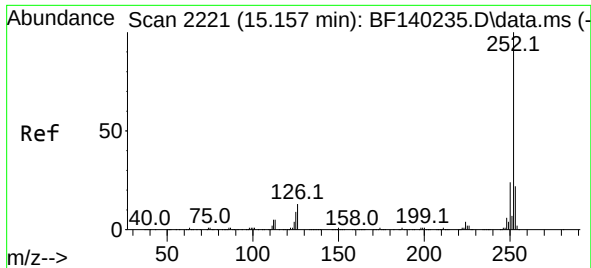


#88
Benzo(b)fluoranthene
Concen: 10.154 ng
RT: 15.133 min Scan# 2217
Delta R.T. 0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34



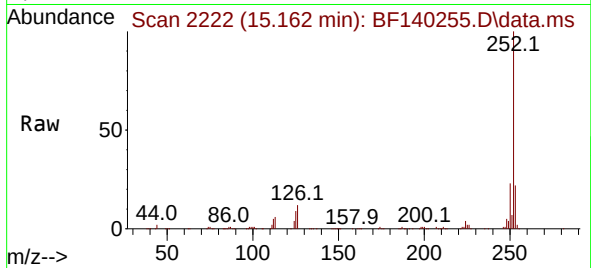
Tgt Ion:252 Resp: 227619
Ion Ratio Lower Upper
252 100
253 21.4 17.9 26.9
125 9.0 7.0 10.6





#89
Benzo(k)fluoranthene
Concen: 10.324 ng
RT: 15.162 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

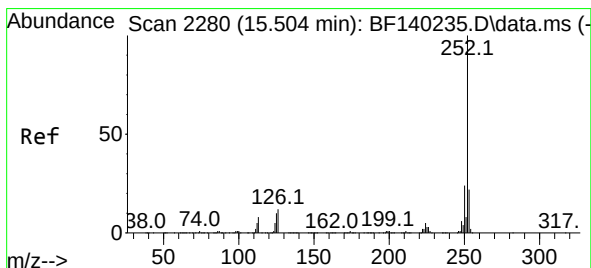
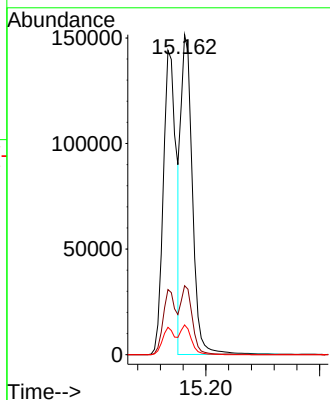
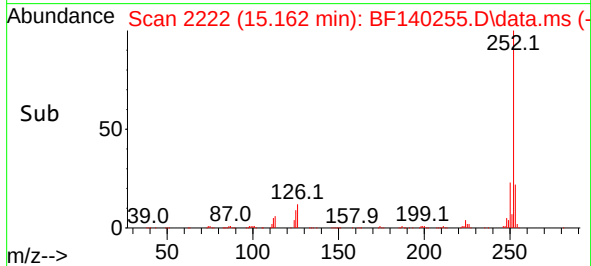
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:252 Resp: 21236
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 9.3 7.2 10.8

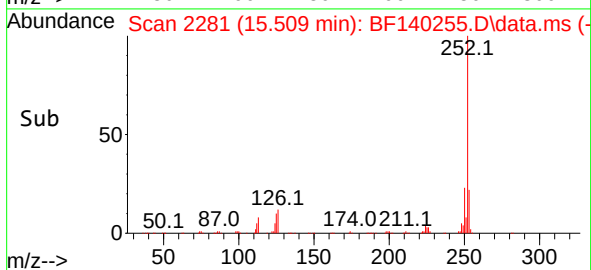
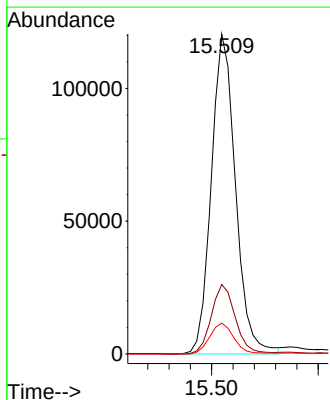
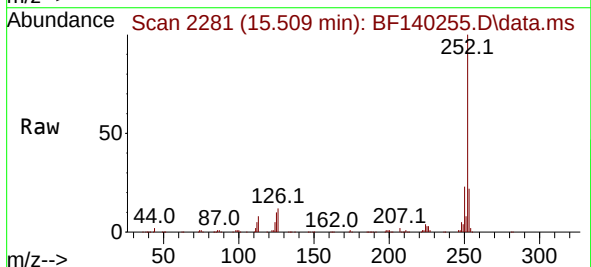
Manual Integrations
APPROVED

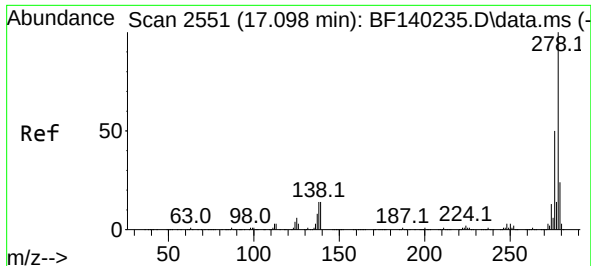
Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#90
Benzo(a)pyrene
Concen: 10.295 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

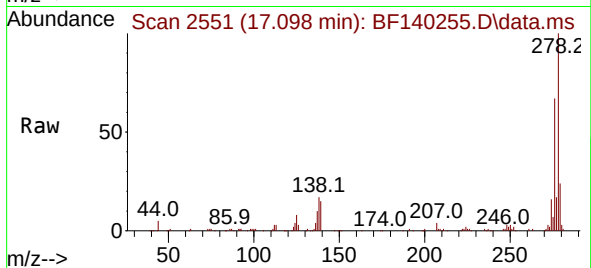
Tgt Ion:252 Resp: 190268
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 9.7 7.6 11.4





#91
Dibenzo(a,h)anthracene
Concen: 9.026 ng
RT: 17.098 min Scan# 2551
Delta R.T. -0.000 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

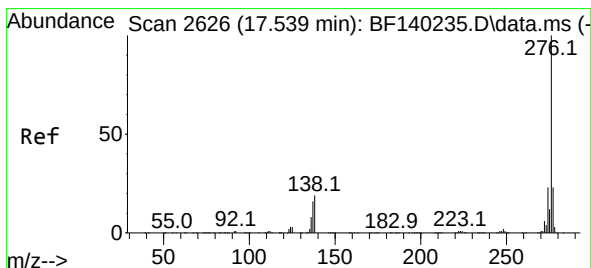
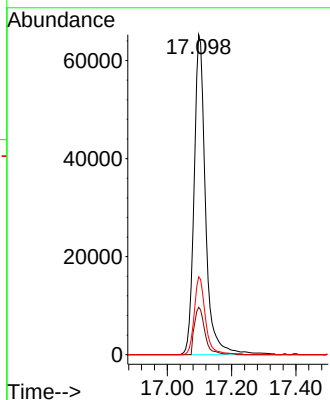
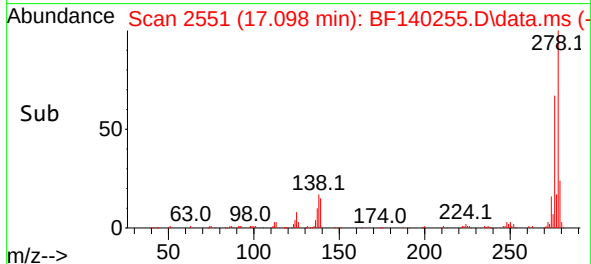
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



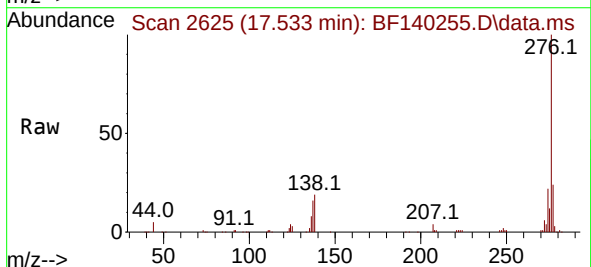
Tgt Ion:278 Resp: 161538
Ion Ratio Lower Upper
278 100
139 14.8 11.1 16.7
279 24.3 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#92
Benzo(g,h,i)perylene
Concen: 8.382 ng
RT: 17.533 min Scan# 2625
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34



Tgt Ion:276 Resp: 153045
Ion Ratio Lower Upper
276 100
277 23.7 18.8 28.2
138 18.6 15.3 22.9

