

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041123\
 Data File : BF132857.D
 Acq On : 11 Apr 2023 19:12
 Operator : CG\JU
 Sample : 01627-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

Quant Time: Apr 12 04:17:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 12 04:14:35 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/12/2023
 Supervised By : Jagrut Upadhyay 04/12/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	237398	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	917980	20.000	ng	0.00
39) Acenaphthene-d10	9.804	164	465165	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	847800	20.000	ng	0.00
76) Chrysene-d12	13.916	240	630669	20.000	ng	0.00
86) Perylene-d12	15.345	264	533925	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1521183	99.546	ng	0.00
7) Phenol-d6	6.398	99	1939161	98.391	ng	0.00
23) Nitrobenzene-d5	7.334	82	1337370	75.387	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	478461	115.737	ng	0.00
45) 2-Fluorobiphenyl	9.134	172	2220912	75.529	ng	0.00
79) Terphenyl-d14	12.874	244	2441788	67.084	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.746	88	61	5.928	ng	# 100
3) Pyridine	3.222	79	129910	6.194	ng	98
4) n-Nitrosodimethylamine	3.116	42	67940	6.705	ng	# 96
6) Aniline	6.434	93	181017	7.106	ng	97
8) 2-Chlorophenol	6.551	128	117671	7.656	ng	94
9) Benzaldehyde	6.316	77	110456	9.338	ng	95
10) Phenol	6.410	94	168185m	7.579	ng	
11) bis(2-Chloroethyl)ether	6.504	93	121217	7.368	ng	99
12) 1,3-Dichlorobenzene	6.710	146	135309	7.978	ng	97
13) 1,4-Dichlorobenzene	6.787	146	134574	7.872	ng	98
14) 1,2-Dichlorobenzene	6.940	146	124174	7.735	ng	99
15) Benzyl Alcohol	6.904	79	112446	8.775	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.051	45	208947	7.607	ng	100
17) 2-Methylphenol	7.016	107	97434	6.952	ng	98
18) Hexachloroethane	7.287	117	44262	7.521	ng	95
19) n-Nitroso-di-n-propyla...	7.181	70	84118	7.497	ng	98
20) 3+4-Methylphenols	7.169	107	123791	7.391	ng	98
22) Acetophenone	7.175	105	177805	8.173	ng	99
24) Nitrobenzene	7.351	77	133400	7.421	ng	97
25) Isophorone	7.587	82	232588	7.353	ng	100
26) 2-Nitrophenol	7.663	139	43702	6.816	ng	98
27) 2,4-Dimethylphenol	7.698	122	103462	7.987	ng	99
28) bis(2-Chloroethoxy)met...	7.798	93	141836	7.557	ng	99
29) 2,4-Dichlorophenol	7.898	162	93045	7.566	ng	98
30) 1,2,4-Trichlorobenzene	7.992	180	106783	7.865	ng	98
31) Naphthalene	8.075	128	363709	7.764	ng	98
32) Benzoic acid	7.757	122	25174m	4.642	ng	
33) 4-Chloroaniline	8.116	127	133443	7.171	ng	96
34) Hexachlorobutadiene	8.198	225	55287	7.480	ng	98
35) Caprolactam	8.451	113	25648	7.857	ng	99
36) 4-Chloro-3-methylphenol	8.592	107	97137	7.404	ng	97
37) 2-Methylnaphthalene	8.763	142	239859	7.656	ng	100
38) 1-Methylnaphthalene	8.863	142	223949	7.664	ng	99
40) 1,2,4,5-Tetrachloroben...	8.928	216	100079	7.707	ng	99
41) Hexachlorocyclopentadiene	8.922	237	48435	6.929	ng	95
43) 2,4,6-Trichlorophenol	9.039	196	57636	7.225	ng	99

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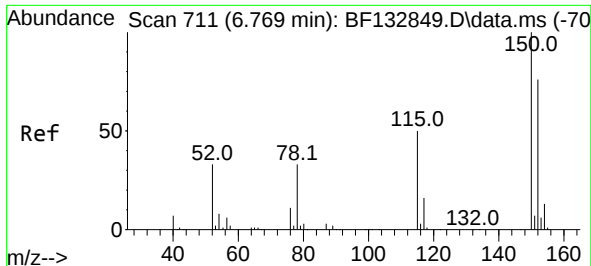
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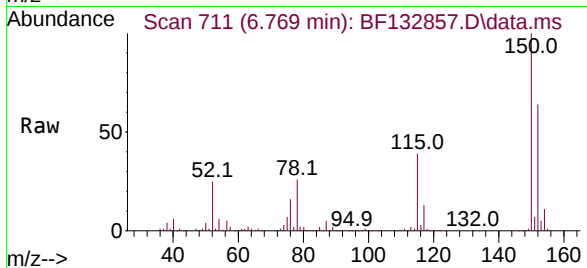
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.075	196	61703	6.549	ng	97
46) 1,1'-Biphenyl	9.228	154	304666	8.126	ng	100
47) 2-Chloronaphthalene	9.251	162	217124	7.911	ng	97
48) 2-Nitroaniline	9.339	65	42930	5.805	ng	96
49) Acenaphthylene	9.663	152	343498	7.742	ng	96
50) Dimethylphthalate	9.522	163	232445	7.738	ng	99
51) 2,6-Dinitrotoluene	9.581	165	44986	6.565	ng	94
52) Acenaphthene	9.833	154	220727	7.743	ng	98
53) 3-Nitroaniline	9.745	138	50173	6.329	ng	85
54) 2,4-Dinitrophenol	9.851	184	12983	4.483	ng	# 86
55) Dibenzofuran	10.004	168	308919	7.645	ng	97
56) 4-Nitrophenol	9.892	139	42834	6.855	ng	94
57) 2,4-Dinitrotoluene	9.981	165	53812	6.321	ng	98
58) Fluorene	10.351	166	244491	8.203	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.122	232	51425	7.167	ng	98
60) Diethylphthalate	10.228	149	199351	7.808	ng	99
61) 4-Chlorophenyl-phenyle...	10.345	204	111986	7.897	ng	98
62) 4-Nitroaniline	10.351	138	48792	6.444	ng	97
63) Azobenzene	10.504	77	248372	7.468	ng	98
65) 4,6-Dinitro-2-methylph...	10.386	198	17699	4.448	ng	94
66) n-Nitrosodiphenylamine	10.463	169	199386	7.707	ng	97
67) 4-Bromophenyl-phenylether	10.833	248	65523	7.281	ng	97
68) Hexachlorobenzene	10.898	284	72962	7.831	ng	96
69) Atrazine	10.986	200	51812	8.169	ng	97
70) Pentachlorophenol	11.086	266	36307	5.917	ng	98
71) Phenanthrene	11.310	178	365370	7.858	ng	99
72) Anthracene	11.357	178	366572	7.711	ng	99
73) Carbazole	11.510	167	317601	7.637	ng	98
74) Di-n-butylphthalate	11.857	149	205809	7.714	ng	99
75) Fluoranthene	12.492	202	341806	7.342	ng	99
77) Benzidine	12.616	184	41936m	10.066	ng	
78) Pyrene	12.722	202	360927	6.700	ng	99
80) Butylbenzylphthalate	13.345	149	15351	5.131	ng	92
81) Benzo(a)anthracene	13.904	228	307563	7.090	ng	98
82) 3,3'-Dichlorobenzidine	13.874	252	51539	7.485	ng	99
83) Chrysene	13.939	228	294285	6.892	ng	99
84) Bis(2-ethylhexyl)phtha...	13.916	149	29053	6.331	ng	# 99
85) Di-n-octyl phthalate	14.521	149	37993	5.083	ng	97
87) Indeno(1,2,3-cd)pyrene	16.733	276	166453	5.465	ng	98
88) Benzo(b)fluoranthene	14.933	252	242771	7.045	ng	99
89) Benzo(k)fluoranthene	14.963	252	260153	7.350	ng	96
90) Benzo(a)pyrene	15.280	252	195785	6.335	ng	98
91) Dibenzo(a,h)anthracene	16.751	278	139117	5.518	ng	97
92) Benzo(g,h,i)perylene	17.151	276	134888	5.253	ng	95

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 711
Delta R.T. -0.000 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

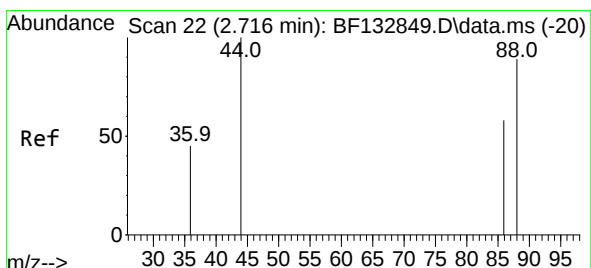
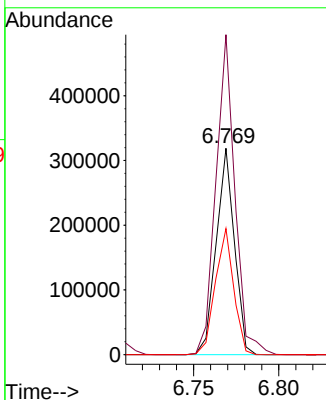
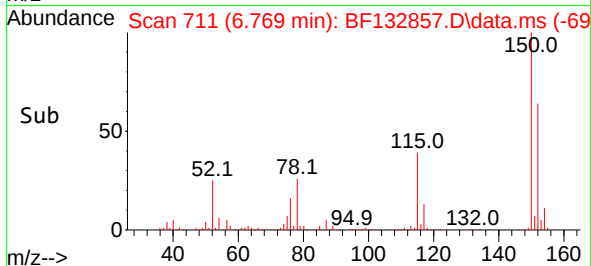
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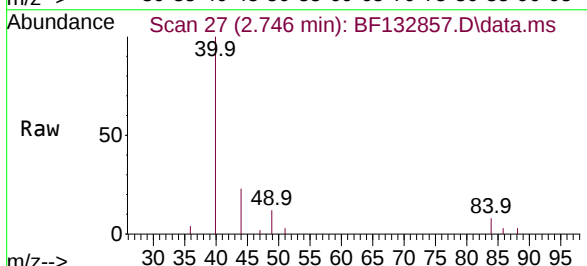
Tgt Ion: 152 Resp: 237398
Ion Ratio Lower Upper
152 100
150 155.1 127.8 191.6
115 61.1 52.2 78.4

Manual Integrations
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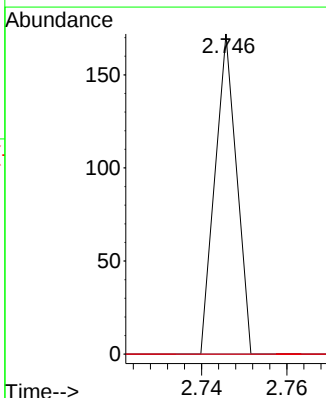
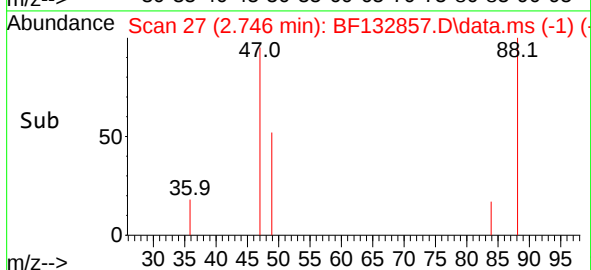
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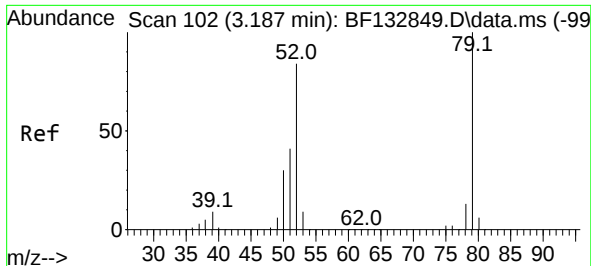


#2
1,4-Dioxane
Concen: 5.928 ng
RT: 2.746 min Scan# 27
Delta R.T. 0.030 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12



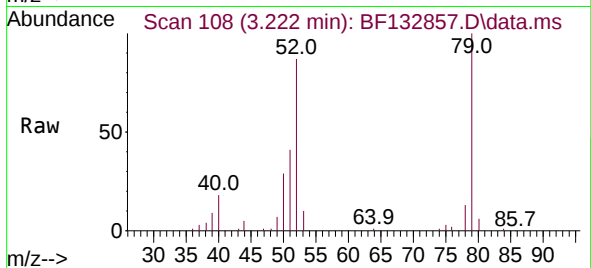
Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
58 0.0 0.0 0.0
43 0.0 0.0 0.0





#3
Pyridine
Concen: 6.194 ng
RT: 3.222 min Scan# 10
Delta R.T. 0.035 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

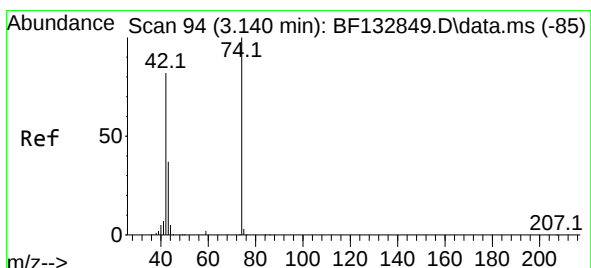
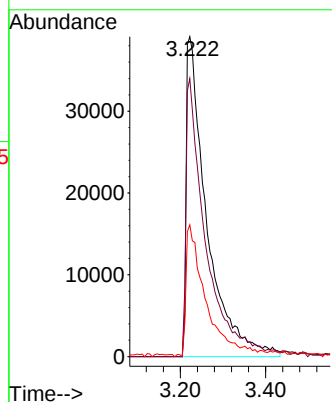
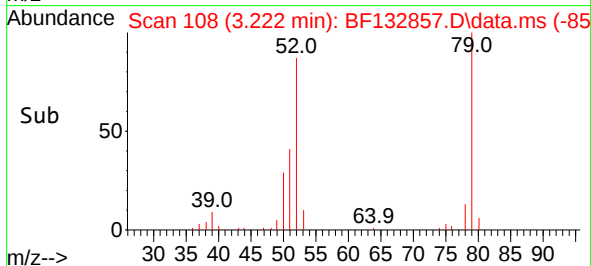
Instrument :
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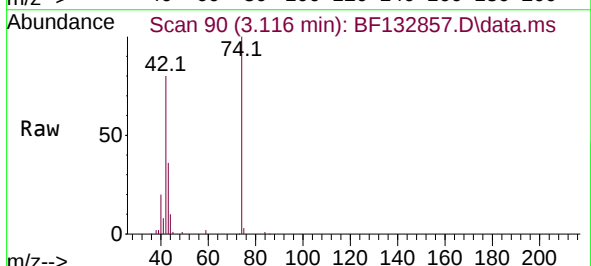
Tgt Ion: 79 Resp: 129910
Ion Ratio Lower Upper
79 100
52 86.9 67.3 100.9
51 41.2 32.6 48.8

Manual Integrations
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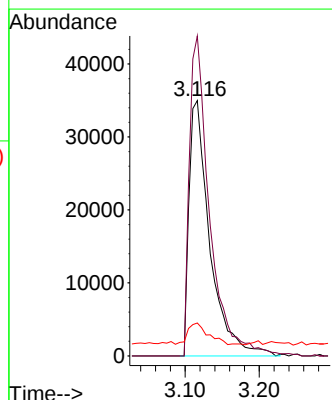
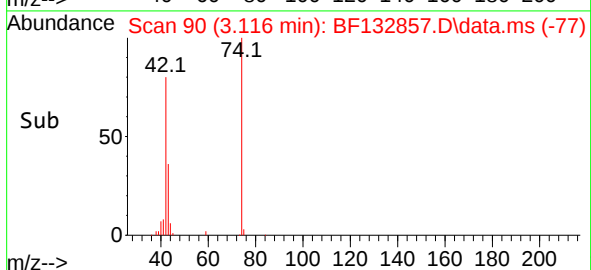
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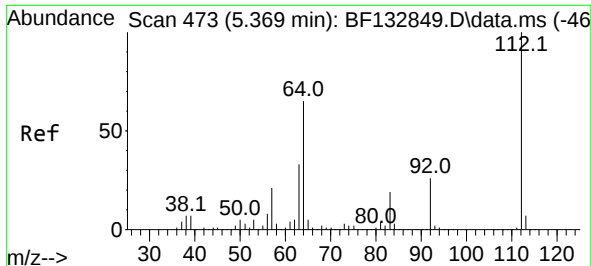


#4
n-Nitrosodimethylamine
Concen: 6.705 ng
RT: 3.116 min Scan# 90
Delta R.T. -0.023 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12



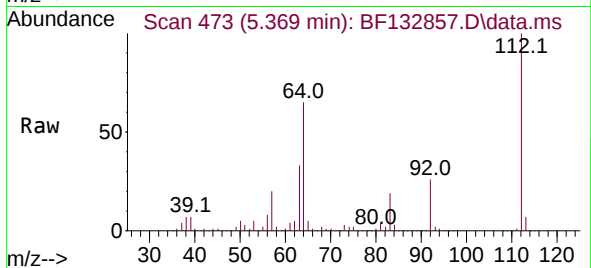
Tgt Ion: 42 Resp: 67940
Ion Ratio Lower Upper
42 100
74 125.3 97.7 146.5
44 12.9 6.0 9.0





#5
2-Fluorophenol
Concen: 99.546 ng
RT: 5.369 min Scan# 473
Delta R.T. 0.000 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

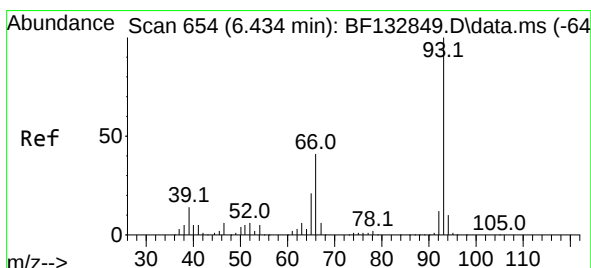
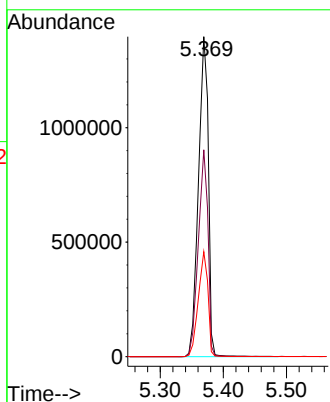
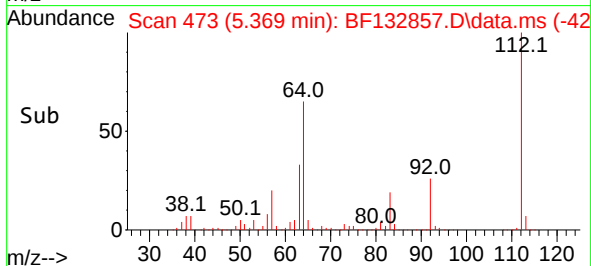
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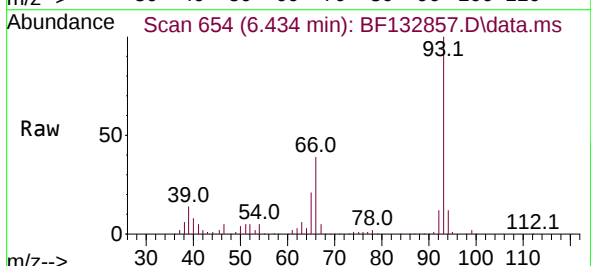
Tgt Ion: 112 Resp: 1521183
Ion Ratio Lower Upper
112 100
64 64.6 51.7 77.5
63 32.8 26.4 39.6

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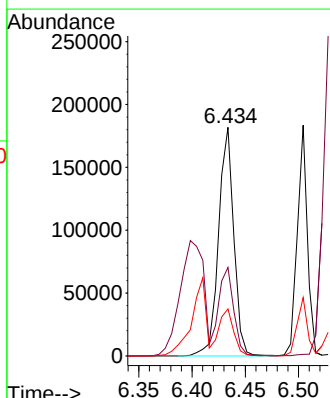
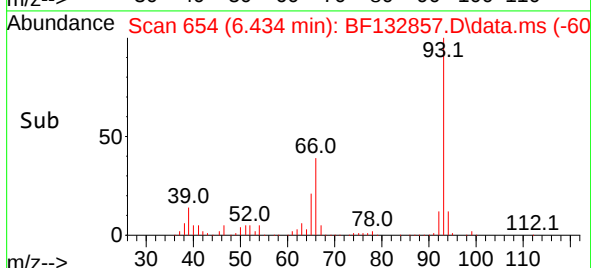
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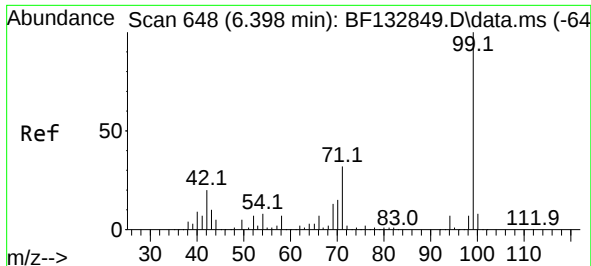


#6
Aniline
Concen: 7.106 ng
RT: 6.434 min Scan# 654
Delta R.T. 0.000 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12



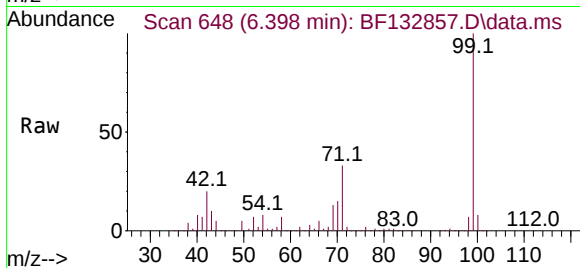
Tgt Ion: 93 Resp: 181017
Ion Ratio Lower Upper
93 100
66 38.7 33.0 49.4
65 20.5 16.8 25.2





#7
Phenol-d6
Concen: 98.391 ng
RT: 6.398 min Scan# 648
Delta R.T. 0.000 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

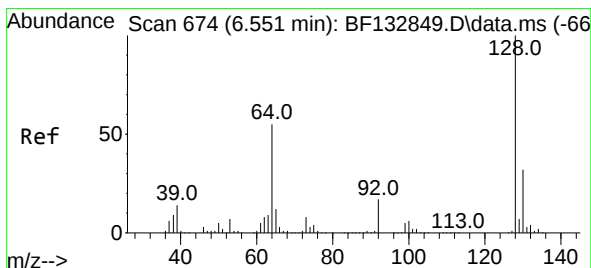
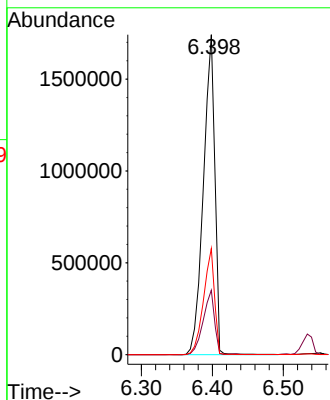
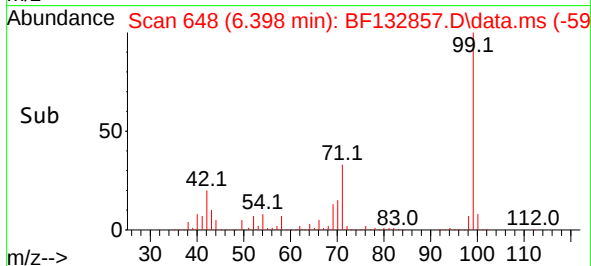
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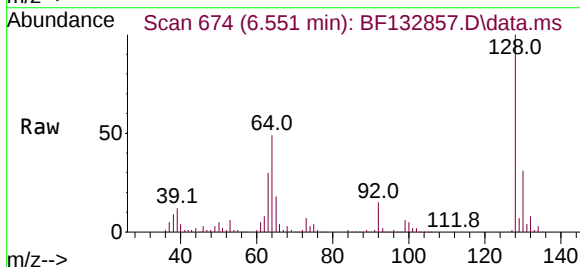
Tgt Ion: 99 Resp: 1939161
Ion Ratio Lower Upper
99 100
42 20.1 16.3 24.5
71 33.1 25.8 38.6

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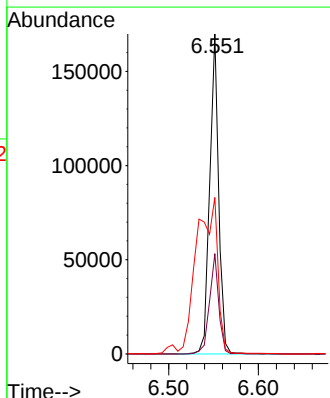
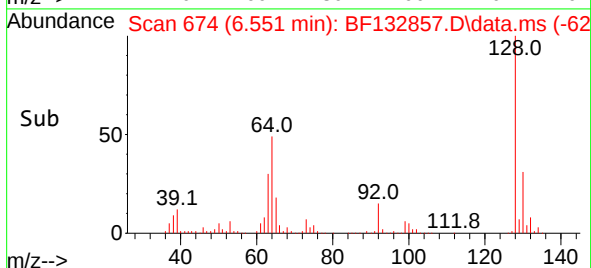
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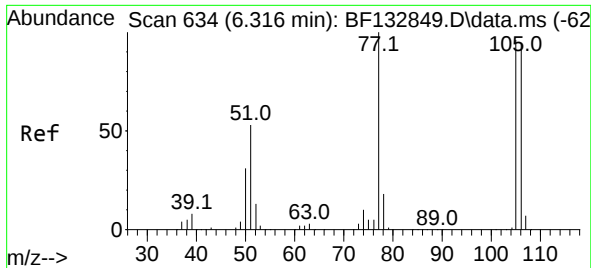


#8
2-Chlorophenol
Concen: 7.656 ng
RT: 6.551 min Scan# 674
Delta R.T. 0.000 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12



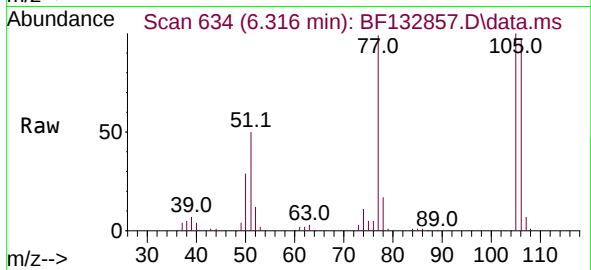
Tgt Ion:128 Resp: 117671
Ion Ratio Lower Upper
128 100
130 31.3 12.3 52.3
64 48.9 35.4 75.4





#9
Benzaldehyde
Concen: 9.338 ng
RT: 6.316 min Scan# 634
Delta R.T. 0.000 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

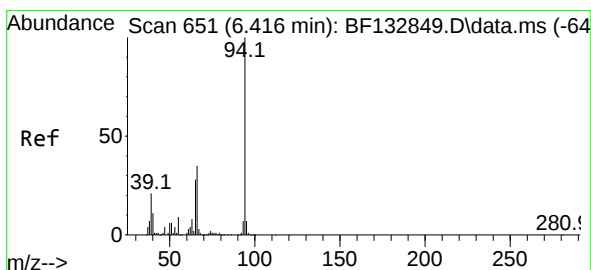
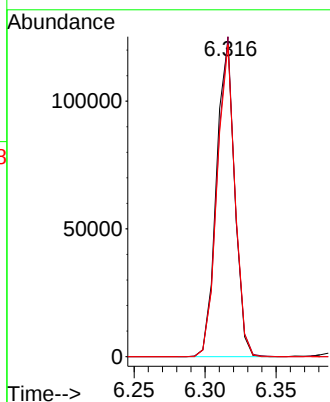
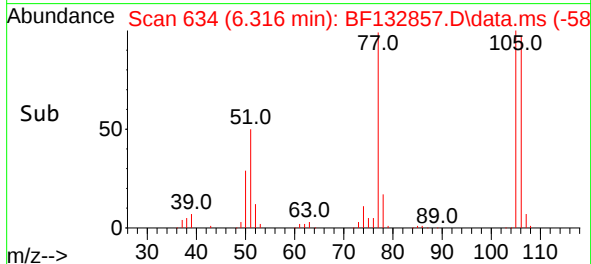
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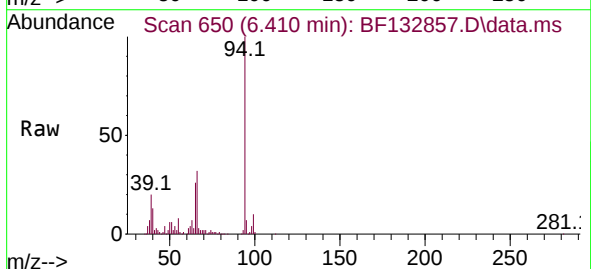
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Ion Ratio Lower Upper
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106 98.9 73.8 113.8

Manual Integrations
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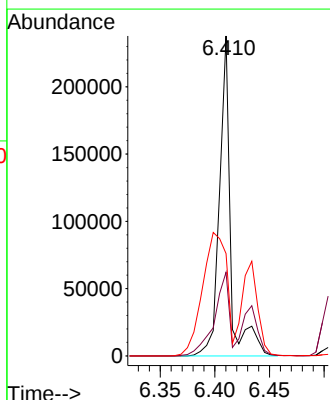
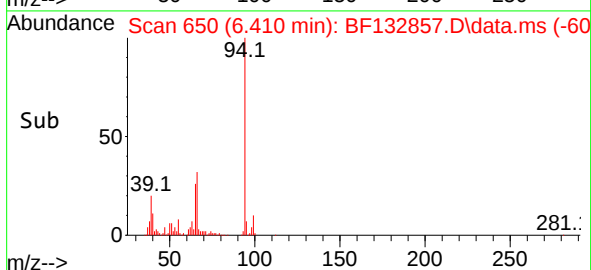
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

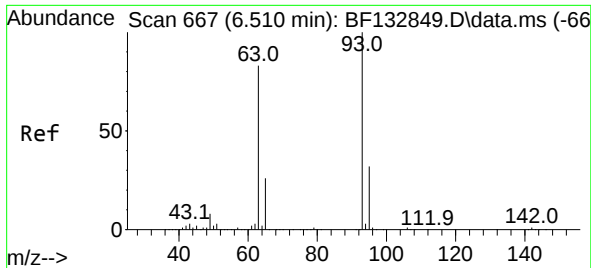


#10
Phenol
Concen: 7.579 ng m
RT: 6.410 min Scan# 650
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12



Tgt Ion: 94 Resp: 168185
Ion Ratio Lower Upper
94 100
65 26.1 7.7 47.7
66 32.0 15.2 55.2





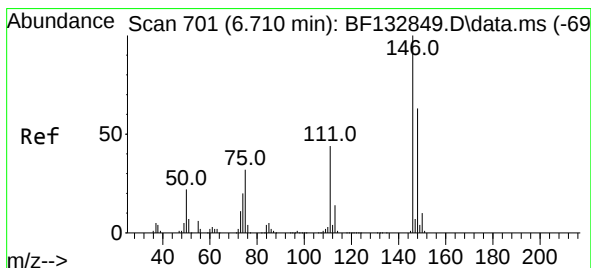
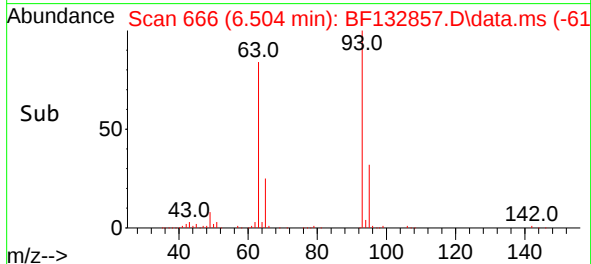
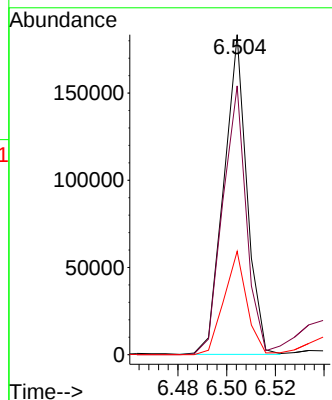
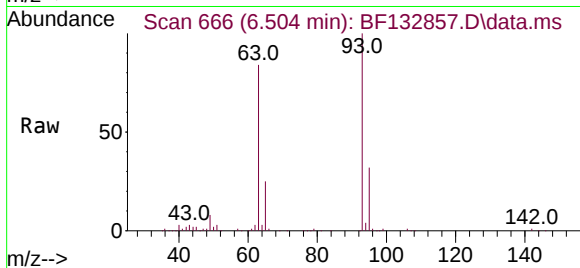
#11
bis(2-Chloroethyl)ether
Concen: 7.368 ng
RT: 6.504 min Scan# 667
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 93 Resp: 121217
Ion Ratio Lower Upper
93 100
63 84.0 63.3 103.3
95 32.3 12.4 52.4

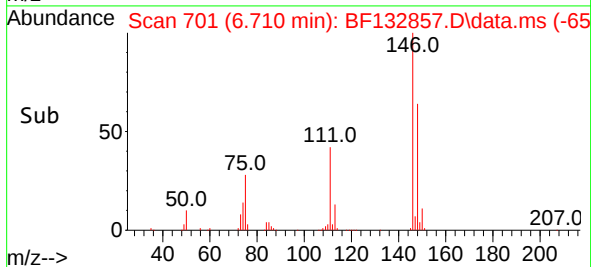
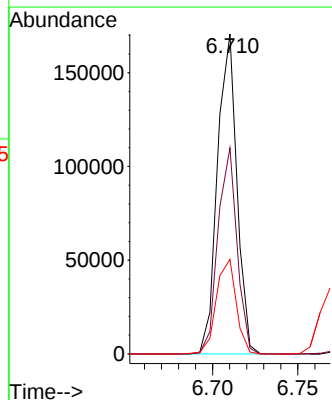
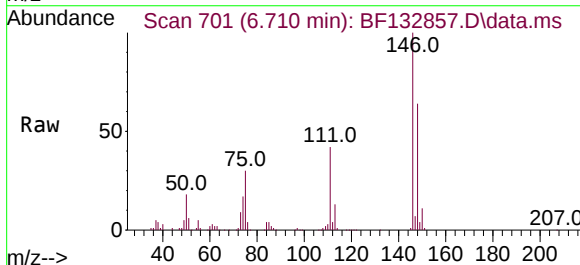
Manual Integrations
APPROVED

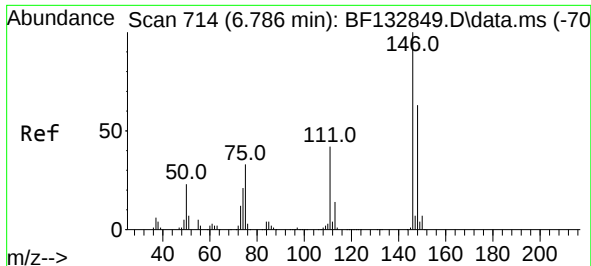
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#12
1,3-Dichlorobenzene
Concen: 7.978 ng
RT: 6.710 min Scan# 701
Delta R.T. 0.000 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

Tgt Ion:146 Resp: 135309
Ion Ratio Lower Upper
146 100
148 64.4 50.6 76.0
75 29.5 25.8 38.6





#13

1,4-Dichlorobenzene

Concen: 7.872 ng

RT: 6.787 min Scan# 714

Delta R.T. 0.000 min

Lab File: BF132857.D

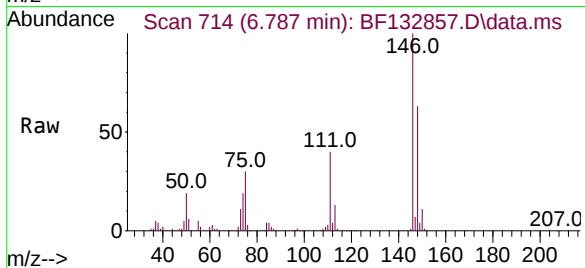
Acq: 11 Apr 2023 19:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



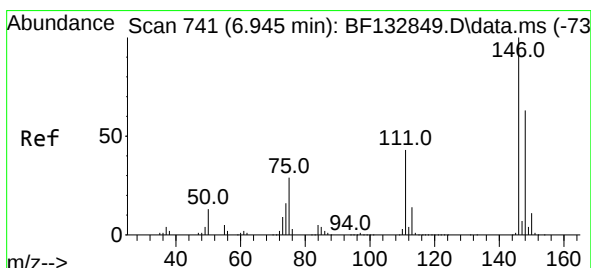
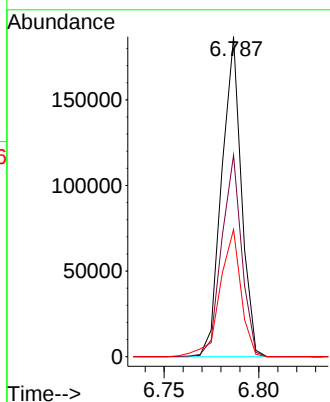
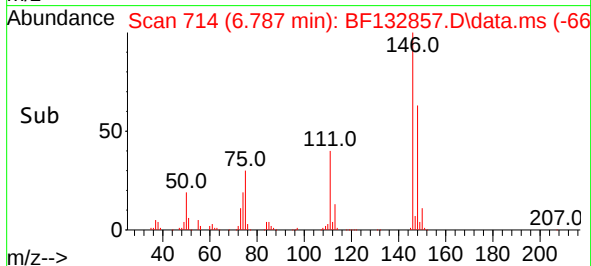
Tgt Ion:	146	Resp:	134574
Ion Ratio	Lower	Upper	
146	100		
148	63.0	50.6	76.0
111	39.7	33.8	50.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#14

1,2-Dichlorobenzene

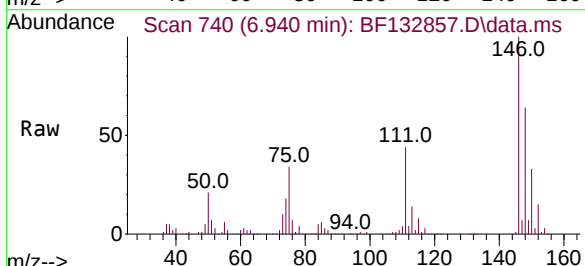
Concen: 7.735 ng

RT: 6.940 min Scan# 740

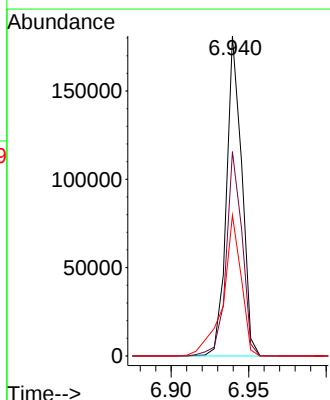
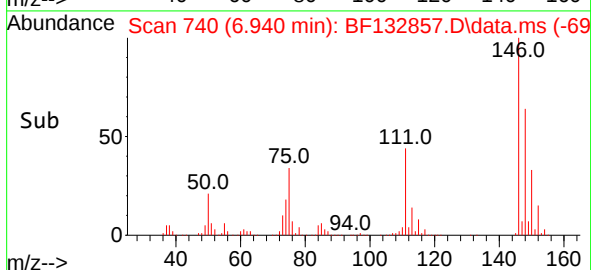
Delta R.T. -0.006 min

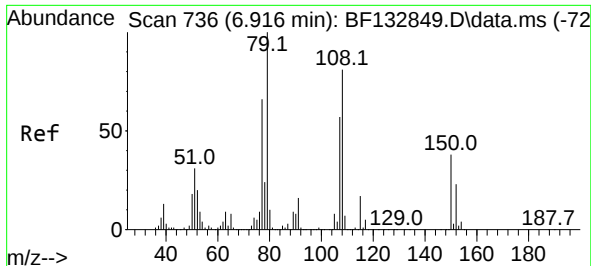
Lab File: BF132857.D

Acq: 11 Apr 2023 19:12



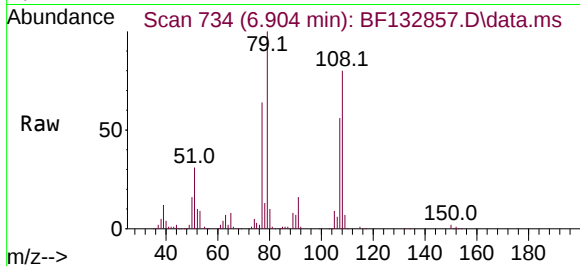
Tgt Ion:	146	Resp:	124174
Ion Ratio	Lower	Upper	
146	100		
148	63.9	50.6	75.8
111	44.0	34.2	51.4





#15
Benzyl Alcohol
Concen: 8.775 ng
RT: 6.904 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

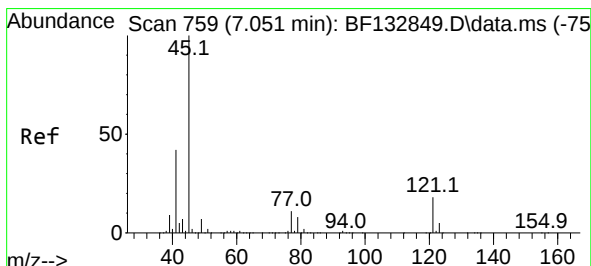
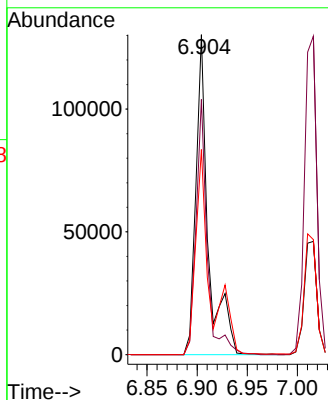
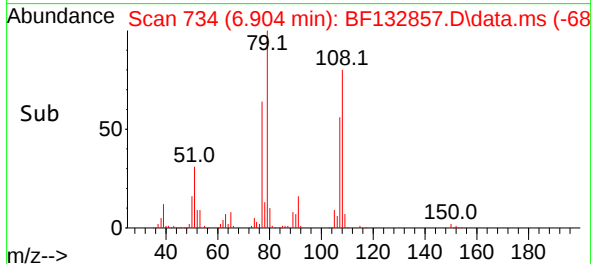
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 79 Resp: 112446
Ion Ratio Lower Upper
79 100
108 79.7 65.0 97.6
77 64.1 53.0 79.4

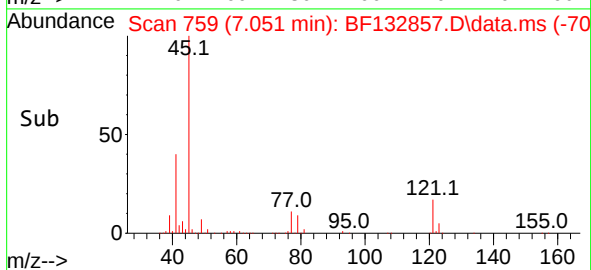
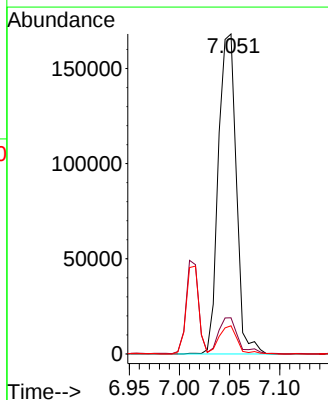
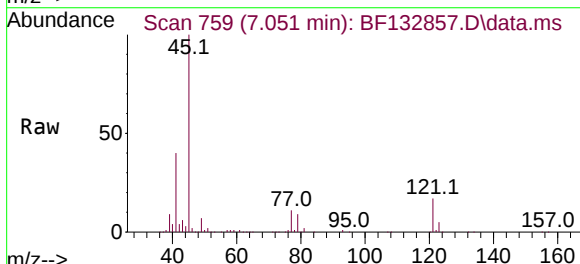
Manual Integrations
APPROVED

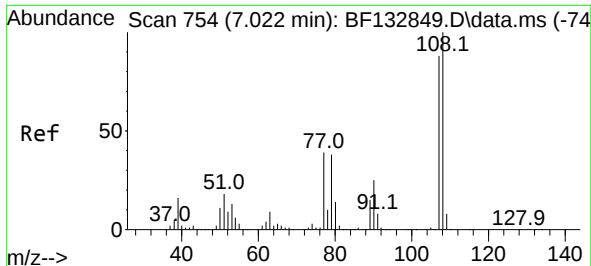
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.607 ng
RT: 7.051 min Scan# 759
Delta R.T. 0.000 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

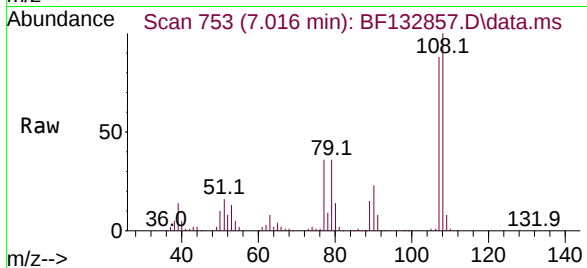
Tgt Ion: 45 Resp: 208947
Ion Ratio Lower Upper
45 100
77 11.3 0.0 31.2
79 8.8 0.0 28.5





#17
2-Methylphenol
Concen: 6.952 ng
RT: 7.016 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

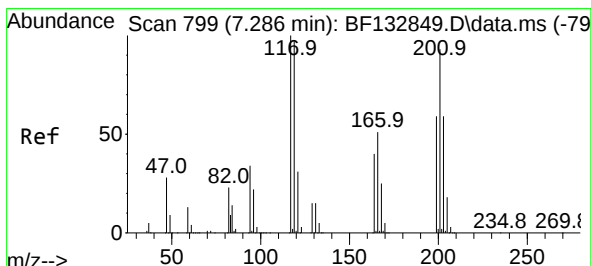
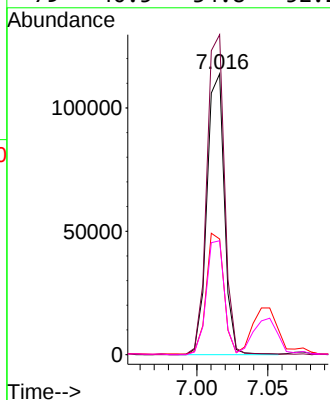
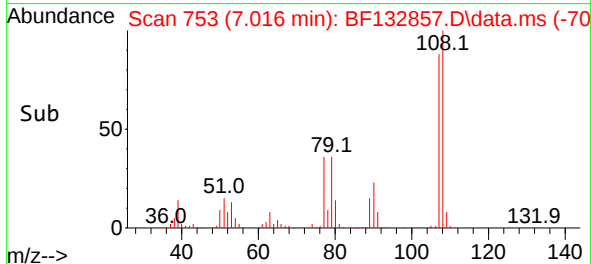
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



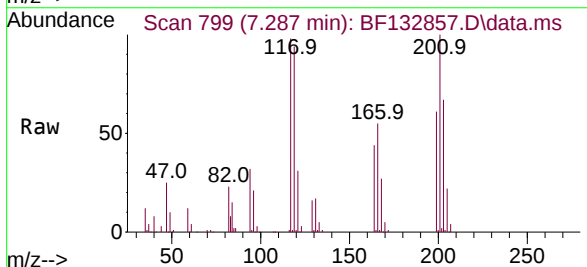
Tgt Ion:107 Resp: 97434
Ion Ratio Lower Upper
107 100
108 114.0 91.4 137.0
77 41.2 35.5 53.3
79 40.5 34.8 52.2

Manual Integrations
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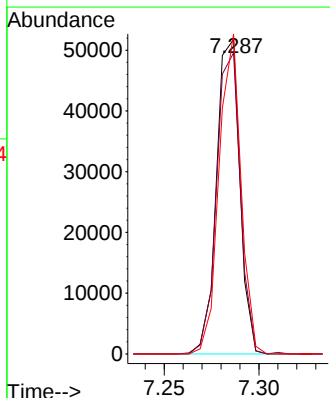
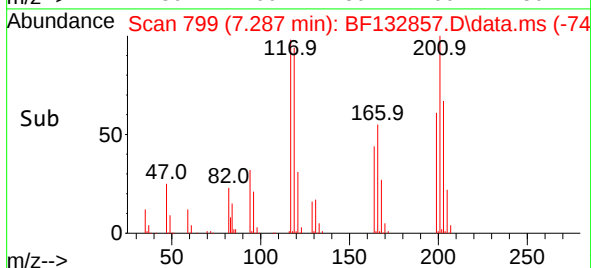
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

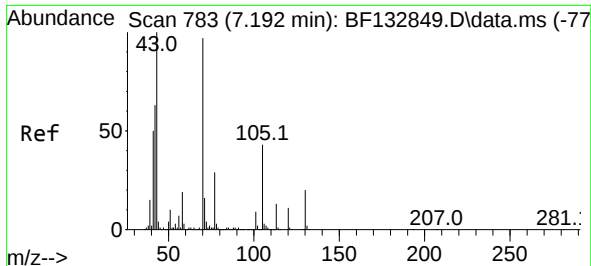


#18
Hexachloroethane
Concen: 7.521 ng
RT: 7.287 min Scan# 799
Delta R.T. 0.000 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12



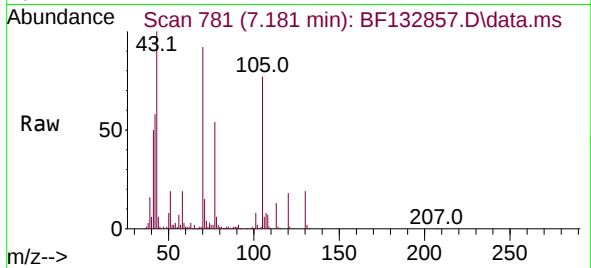
Tgt Ion:117 Resp: 44262
Ion Ratio Lower Upper
117 100
119 95.8 77.8 116.6
201 101.8 74.2 111.4





#19
n-Nitroso-di-n-propylamine
Concen: 7.497 ng
RT: 7.181 min Scan# 781
Delta R.T. -0.012 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

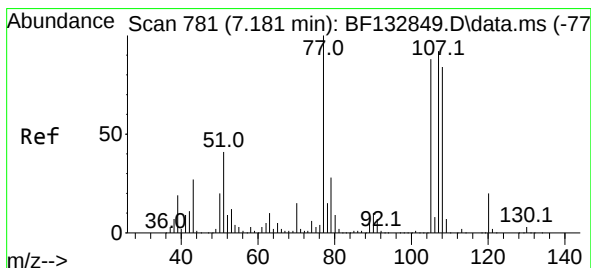
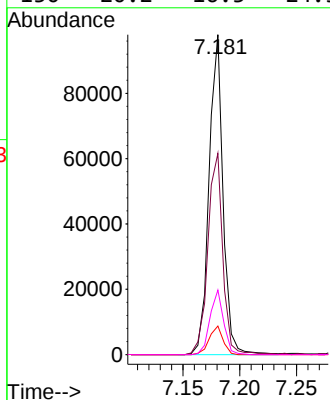
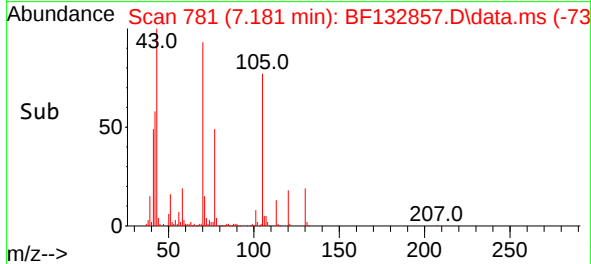
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



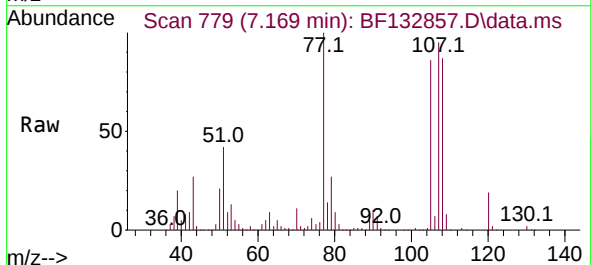
Tgt Ion: 70 Resp: 84118
Ion Ratio Lower Upper
70 100
42 62.9 51.6 77.4
101 8.9 7.5 11.3
130 20.2 16.3 24.5

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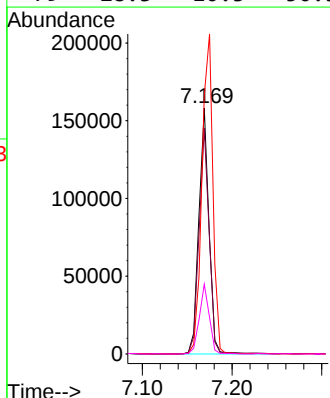
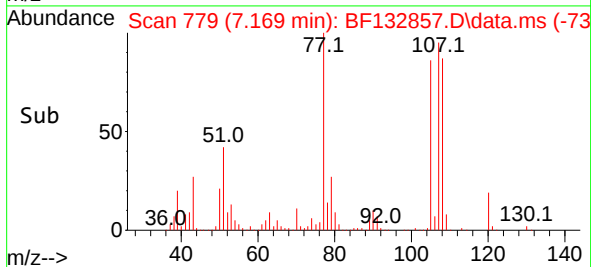
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

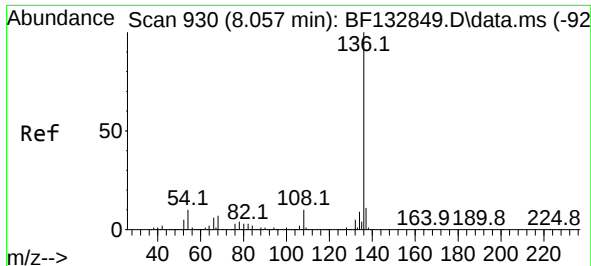


#20
3+4-Methylphenols
Concen: 7.391 ng
RT: 7.169 min Scan# 779
Delta R.T. -0.012 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12



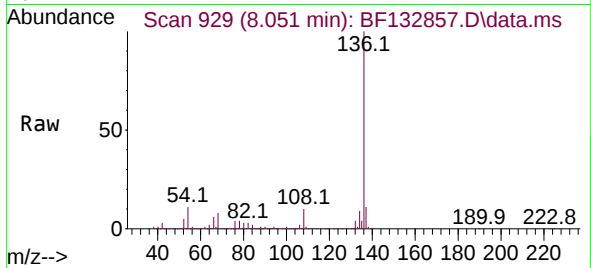
Tgt Ion:107 Resp: 123791
Ion Ratio Lower Upper
107 100
108 91.8 71.1 111.1
77 105.1 88.5 128.5
79 28.3 10.3 50.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

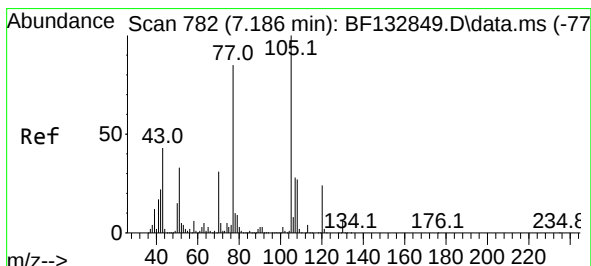
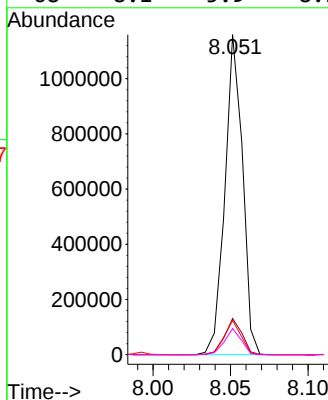
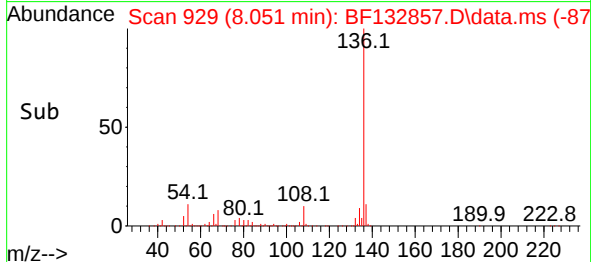
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



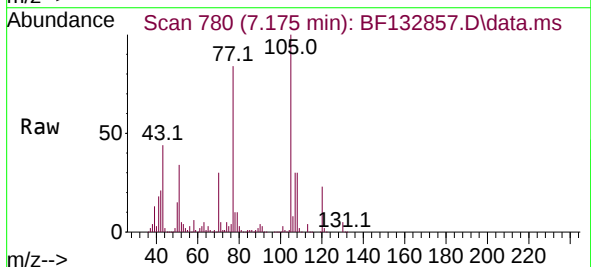
Tgt Ion:136 Resp: 917980
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 10.7 8.2 12.2
68 8.1 5.9 8.9

Manual Integrations
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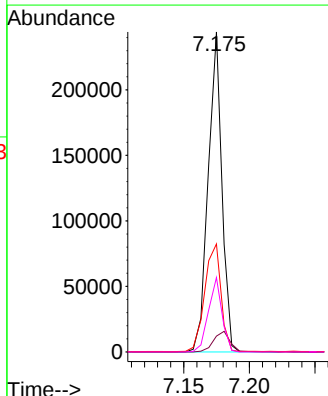
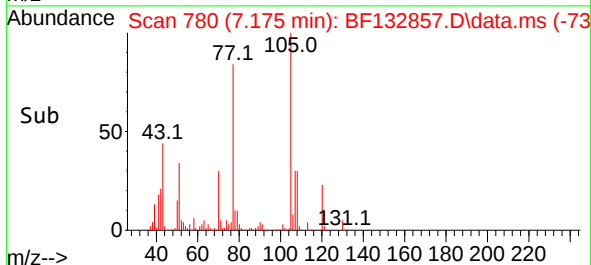
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

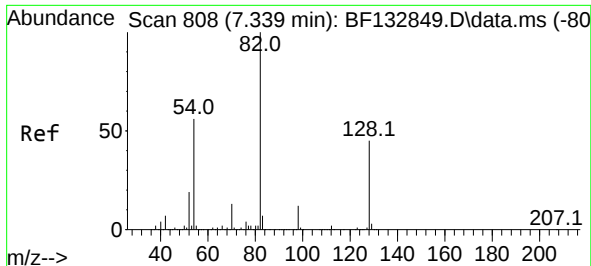


#22
Acetophenone
Concen: 8.173 ng
RT: 7.175 min Scan# 780
Delta R.T. -0.012 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12



Tgt Ion:105 Resp: 177805
Ion Ratio Lower Upper
105 100
71 4.9 4.1 6.1
51 33.7 26.6 39.8
120 23.2 19.0 28.6





#23

Nitrobenzene-d5

Concen: 75.387 ng

RT: 7.334 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF132857.D

Acq: 11 Apr 2023 19:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 82 Resp: 1337370

Ion Ratio Lower Upper

82 100

128 43.2 35.9 53.9

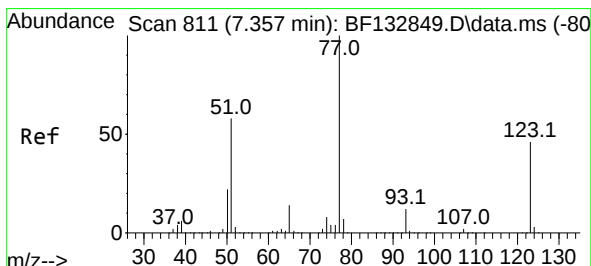
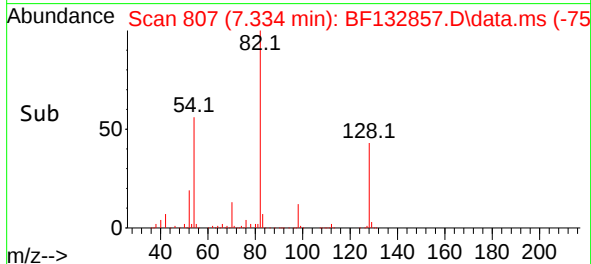
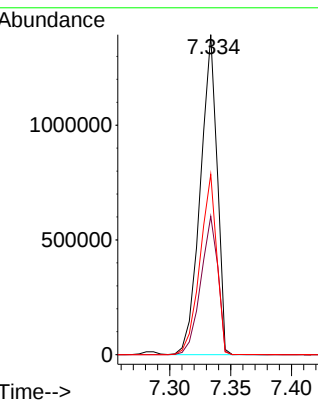
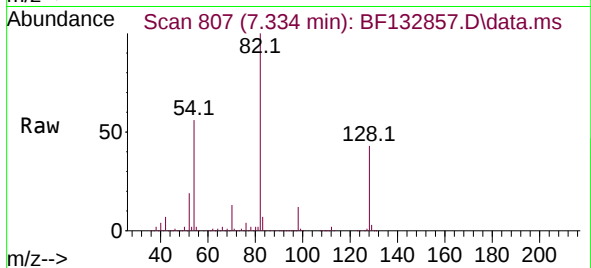
54 56.3 44.6 67.0

Manual Integrations

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Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#24

Nitrobenzene

Concen: 7.421 ng

RT: 7.351 min Scan# 810

Delta R.T. -0.006 min

Lab File: BF132857.D

Acq: 11 Apr 2023 19:12

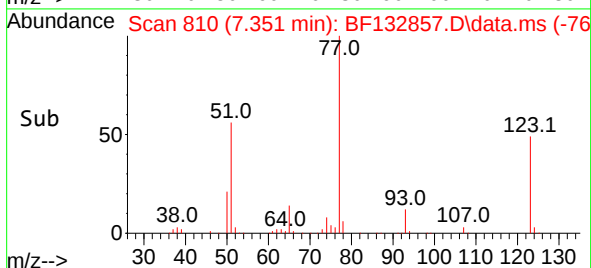
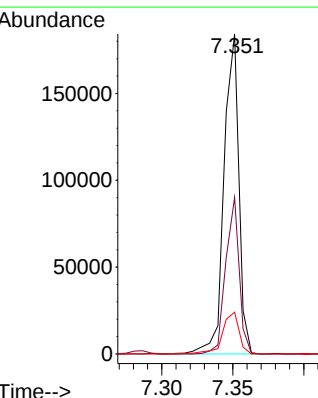
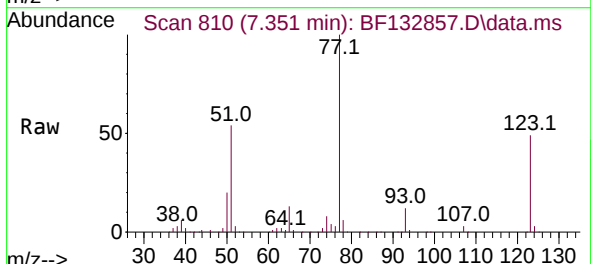
Tgt Ion: 77 Resp: 133400

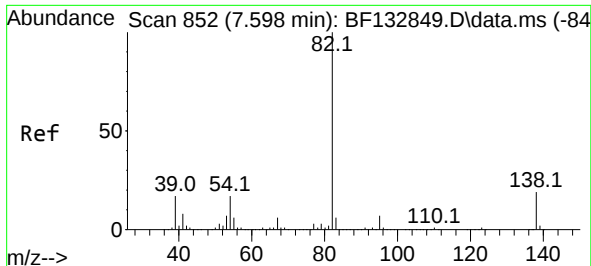
Ion Ratio Lower Upper

77 100

123 48.9 37.0 55.4

65 13.0 10.8 16.2





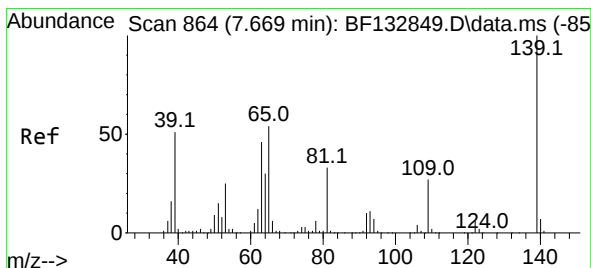
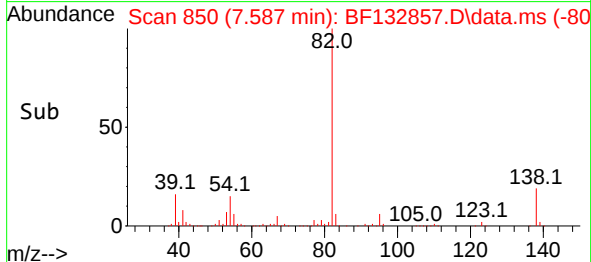
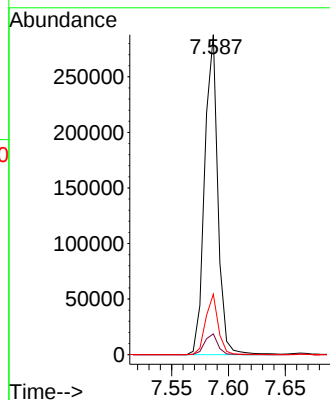
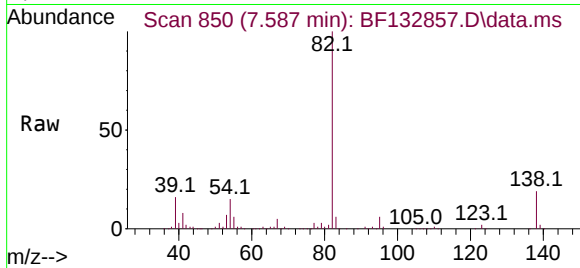
#25
Isophorone
Concen: 7.353 ng
RT: 7.587 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 82 Resp: 232588
Ion Ratio Lower Upper
82 100
95 6.5 5.4 8.0
138 18.9 15.2 22.8

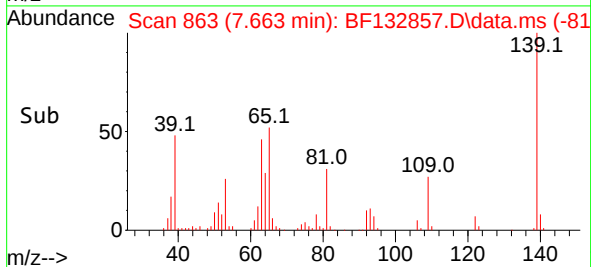
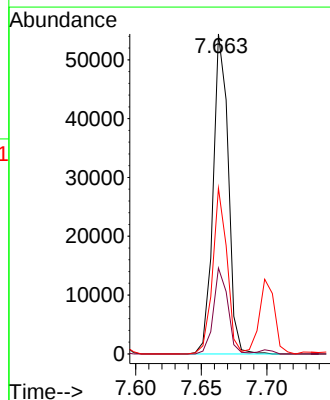
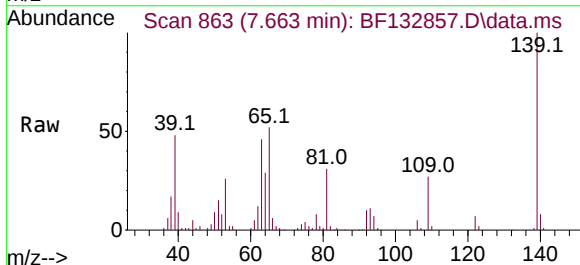
Manual Integrations
APPROVED

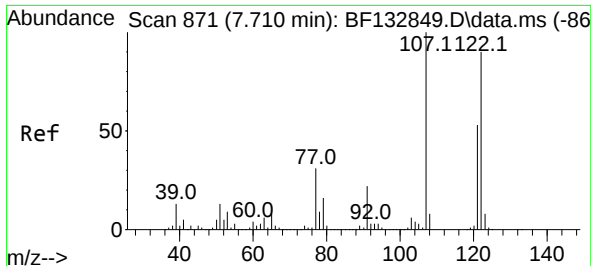
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#26
2-Nitrophenol
Concen: 6.816 ng
RT: 7.663 min Scan# 863
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

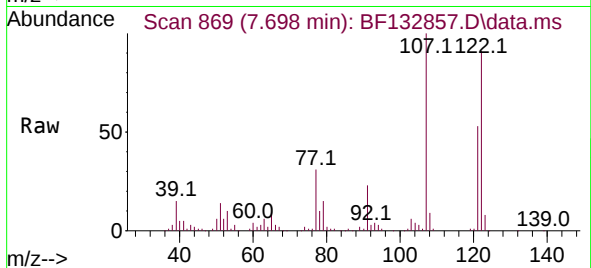
Tgt Ion:139 Resp: 43702
Ion Ratio Lower Upper
139 100
109 26.8 21.3 31.9
65 51.8 42.9 64.3





#27
2,4-Dimethylphenol
Concen: 7.987 ng
RT: 7.698 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

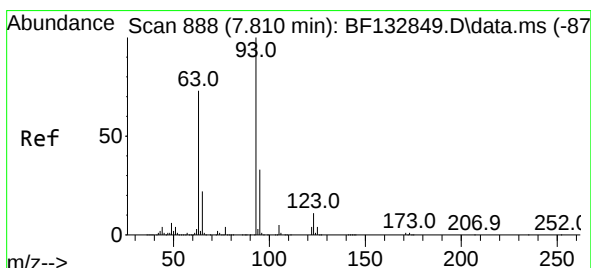
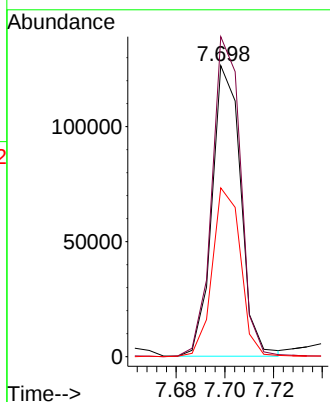
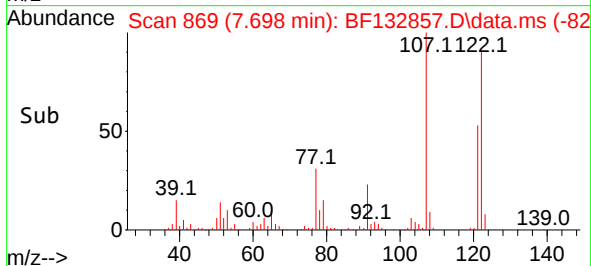
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:122 Resp: 103462
Ion Ratio Lower Upper
122 100
107 110.0 89.1 133.7
121 58.0 47.1 70.7

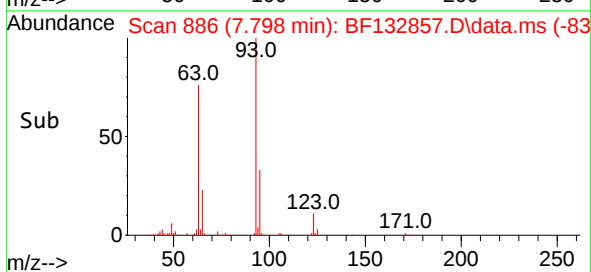
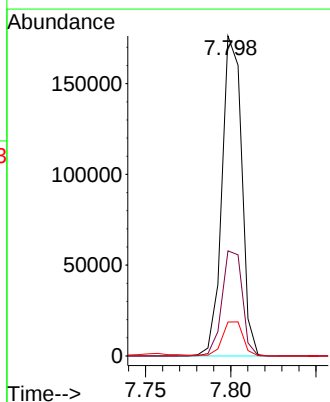
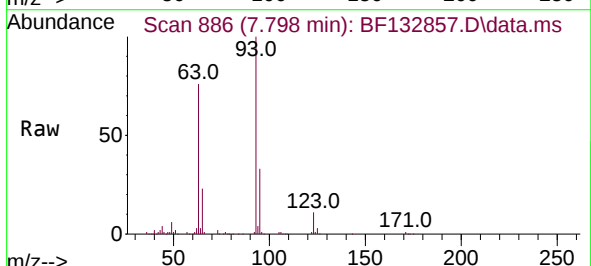
Manual Integrations
APPROVED

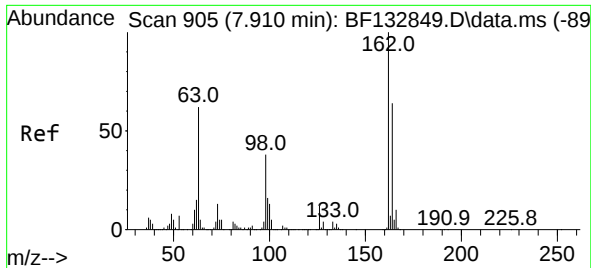
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#28
bis(2-Chloroethoxy)methane
Concen: 7.557 ng
RT: 7.798 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

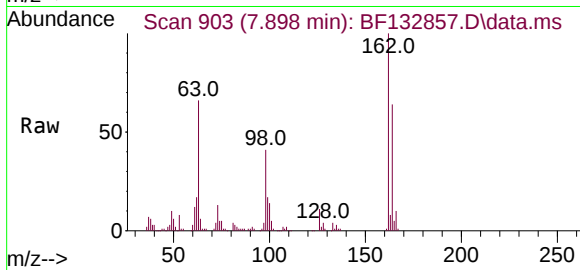
Tgt Ion: 93 Resp: 141836
Ion Ratio Lower Upper
93 100
95 32.8 26.3 39.5
123 10.6 9.3 13.9





#29
2,4-Dichlorophenol
Concen: 7.566 ng
RT: 7.898 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

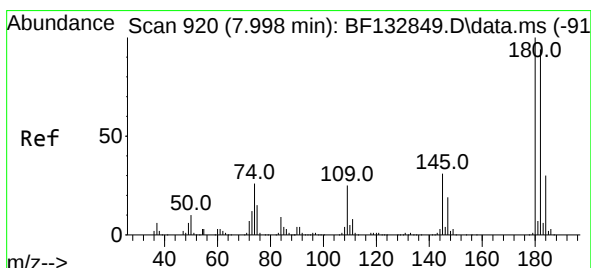
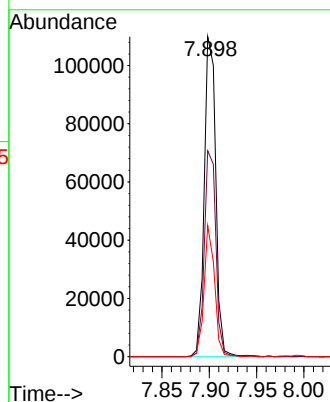
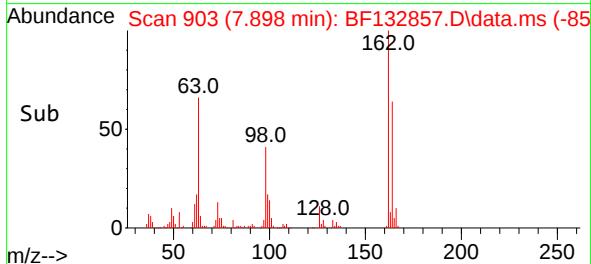
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:162 Resp: 93045
Ion Ratio Lower Upper
162 100
164 64.3 43.5 83.5
98 40.9 18.0 58.0

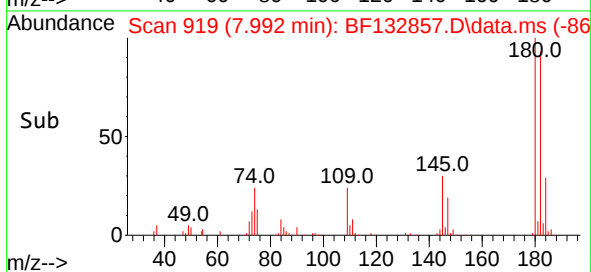
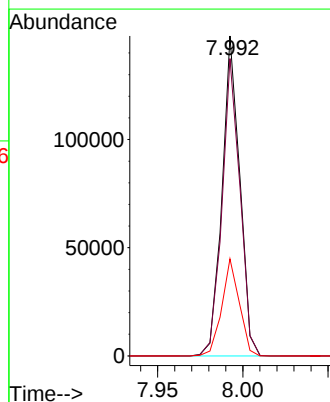
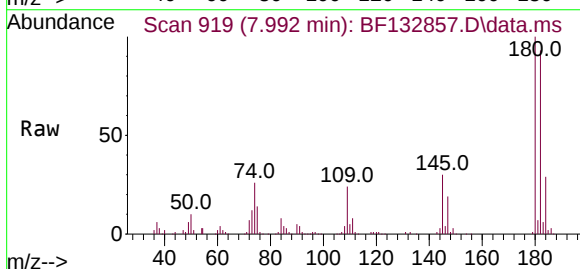
Manual Integrations
APPROVED

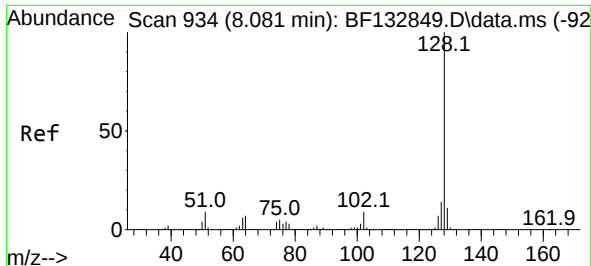
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#30
1,2,4-Trichlorobenzene
Concen: 7.865 ng
RT: 7.992 min Scan# 919
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

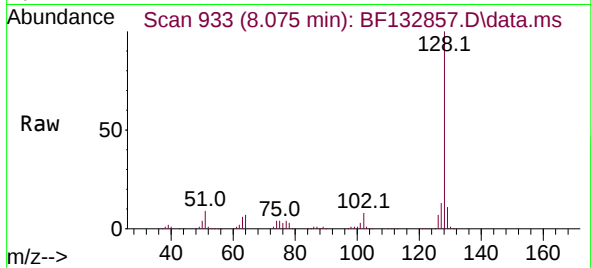
Tgt Ion:180 Resp: 106783
Ion Ratio Lower Upper
180 100
182 92.9 75.5 113.3
145 30.3 24.9 37.3





#31
Naphthalene
Concen: 7.764 ng
RT: 8.075 min Scan# 934
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

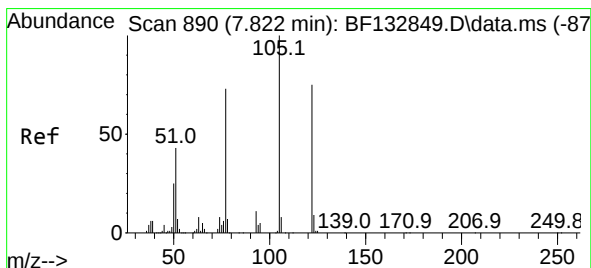
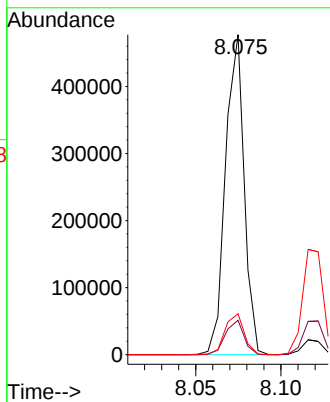
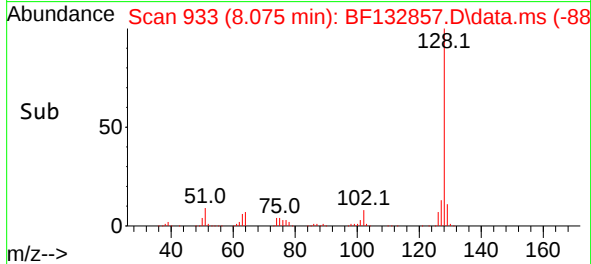
Instrument : BNA_F
Client Sample Id : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:128 Resp: 363709
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 12.8 10.9 16.3

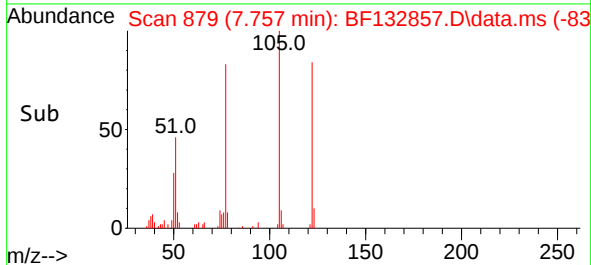
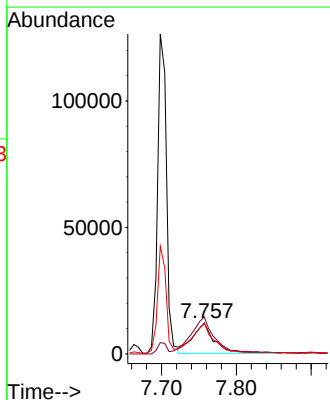
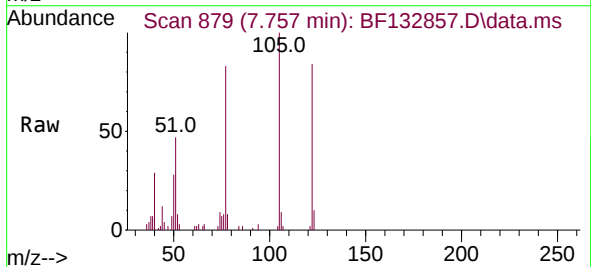
Manual Integrations
APPROVED

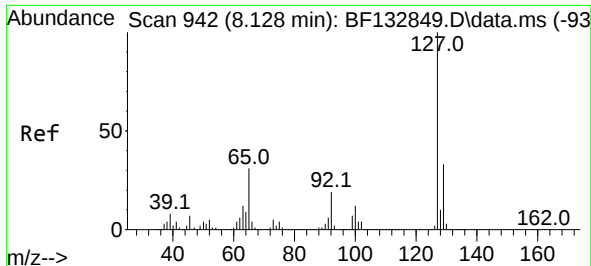
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#32
Benzoic acid
Concen: 4.642 ng m
RT: 7.757 min Scan# 879
Delta R.T. -0.065 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

Tgt Ion:122 Resp: 25174
Ion Ratio Lower Upper
122 100
105 119.4 109.5 149.5
77 99.1 74.9 114.9





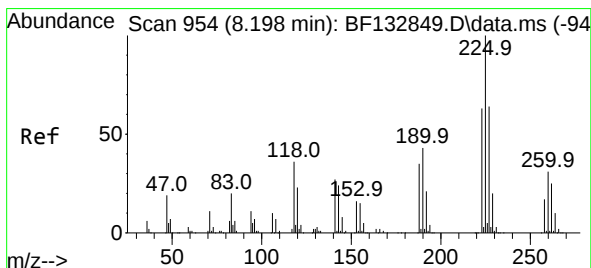
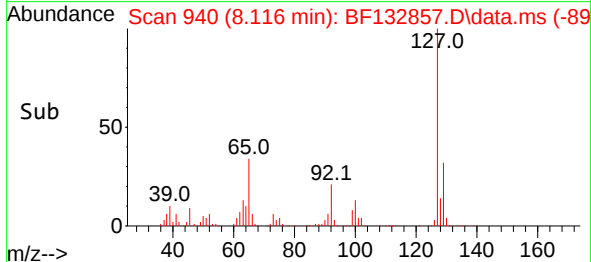
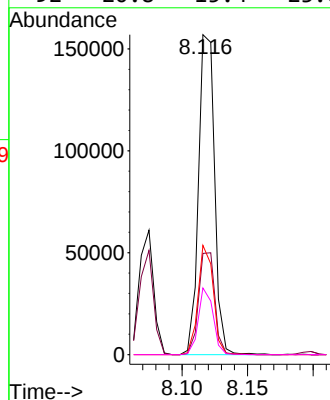
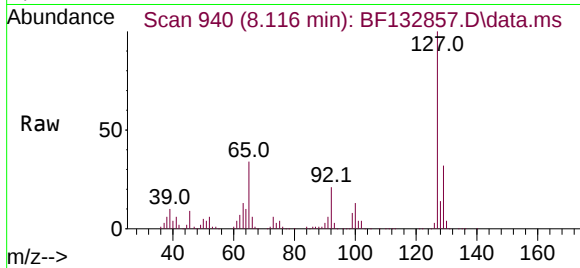
#33
4-Chloroaniline
Concen: 7.171 ng
RT: 8.116 min Scan# 942
Delta R.T. -0.012 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:127 Resp: 133443
Ion Ratio Lower Upper
127 100
129 31.6 26.5 39.7
65 34.1 24.7 37.1
92 20.8 15.4 23.0

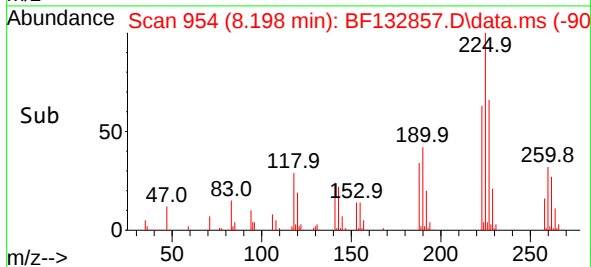
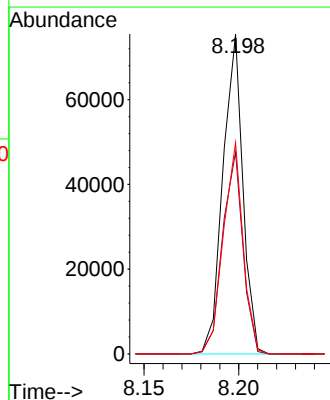
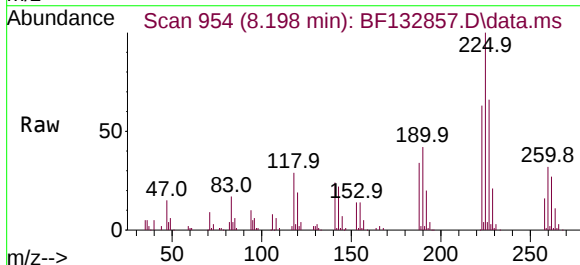
Manual Integrations
APPROVED

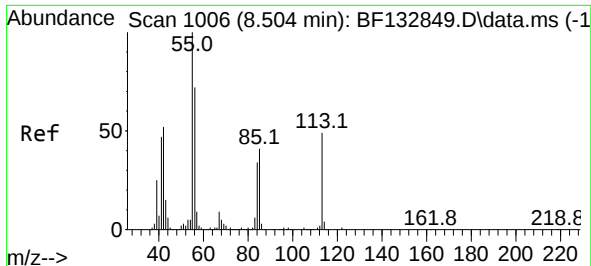
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#34
Hexachlorobutadiene
Concen: 7.480 ng
RT: 8.198 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

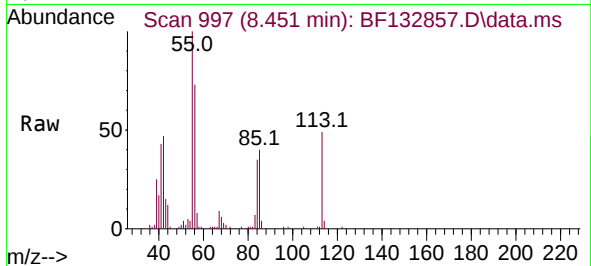
Tgt Ion:225 Resp: 55287
Ion Ratio Lower Upper
225 100
223 63.0 50.1 75.1
227 66.0 51.1 76.7





#35
Caprolactam
Concen: 7.857 ng
RT: 8.451 min Scan# 997
Delta R.T. -0.053 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

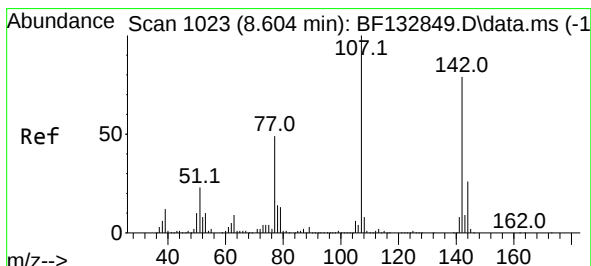
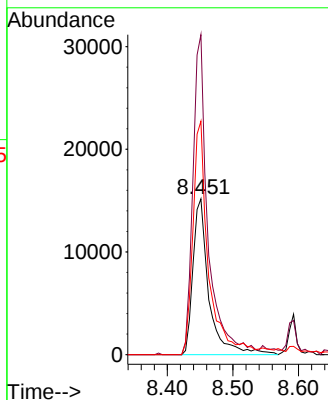
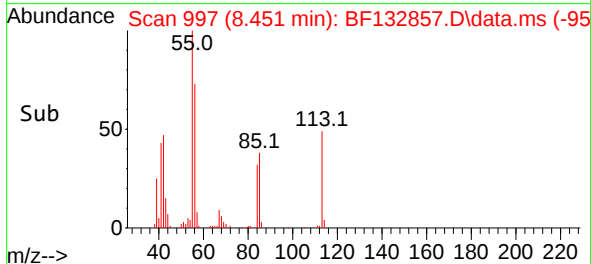
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:113 Resp: 25648
Ion Ratio Lower Upper
113 100
55 205.4 183.9 223.9
56 149.7 127.6 167.6

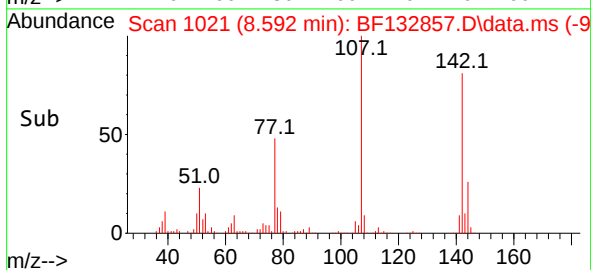
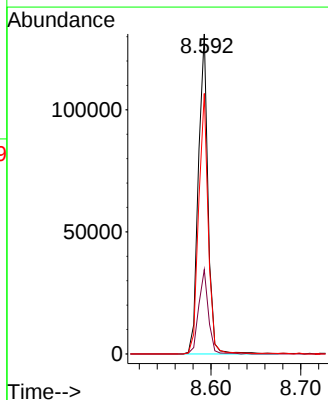
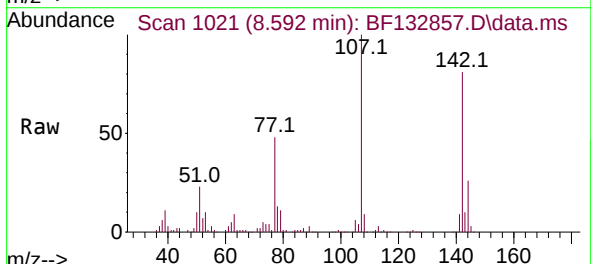
Manual Integrations
APPROVED

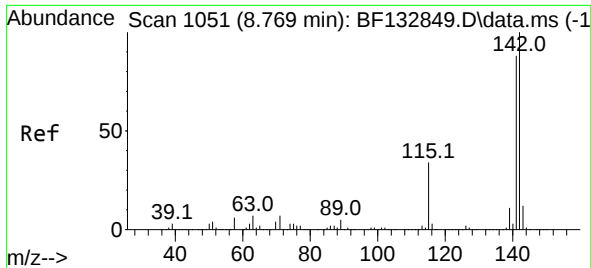
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#36
4-Chloro-3-methylphenol
Concen: 7.404 ng
RT: 8.592 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

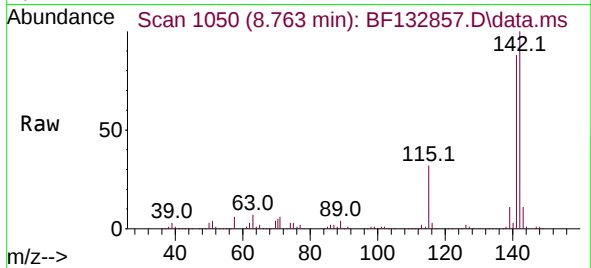
Tgt Ion:107 Resp: 97137
Ion Ratio Lower Upper
107 100
144 26.4 21.0 31.4
142 81.4 62.8 94.2





#37
2-Methylnaphthalene
Concen: 7.656 ng
RT: 8.763 min Scan# 1050
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

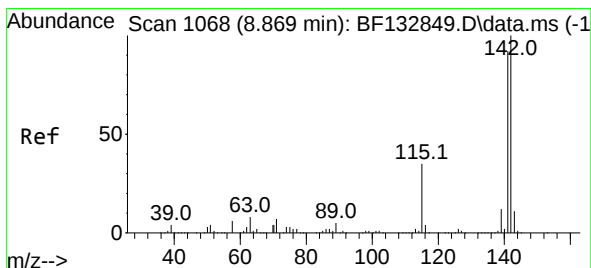
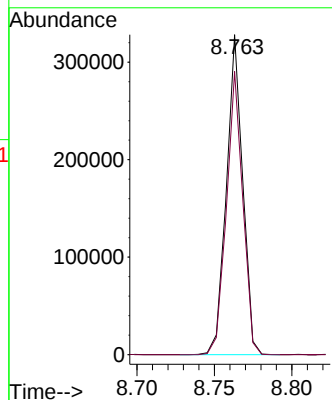
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:142 Resp: 239859
Ion Ratio Lower Upper
142 100
141 88.5 70.7 106.1

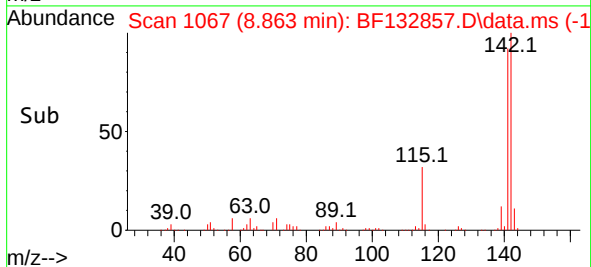
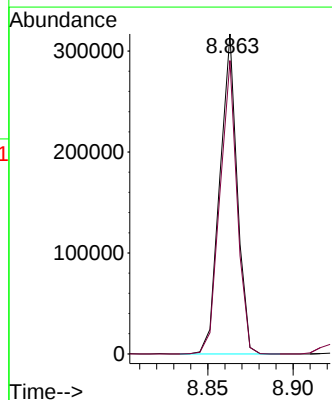
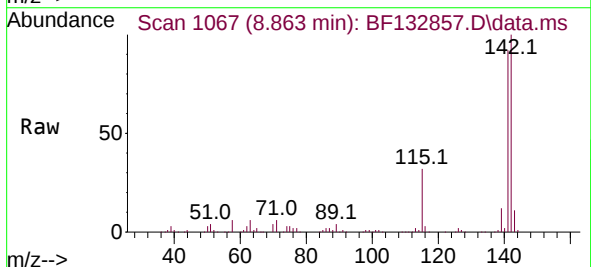
Manual Integrations
APPROVED

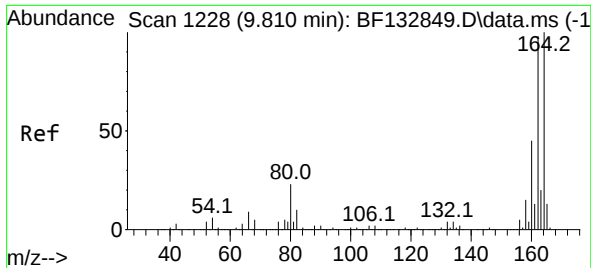
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#38
1-Methylnaphthalene
Concen: 7.664 ng
RT: 8.863 min Scan# 1067
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

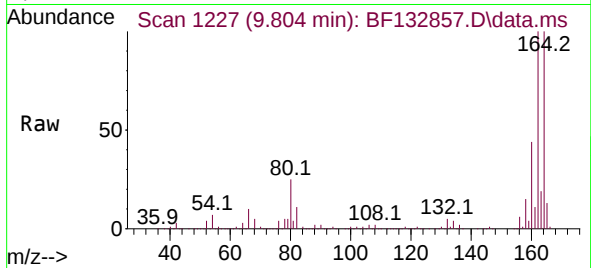
Tgt Ion:142 Resp: 223949
Ion Ratio Lower Upper
142 100
141 91.7 73.8 110.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.804 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

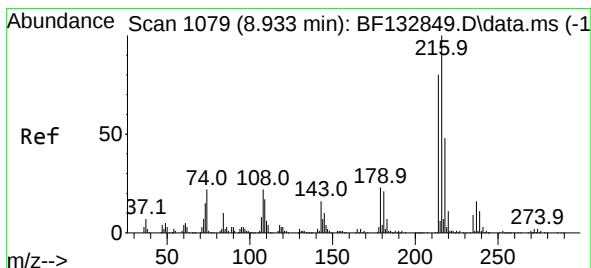
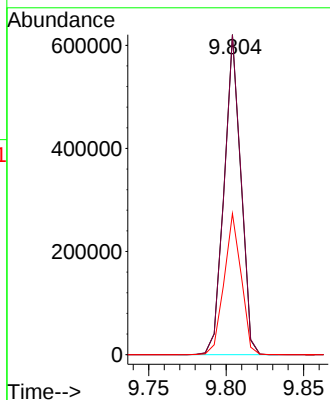
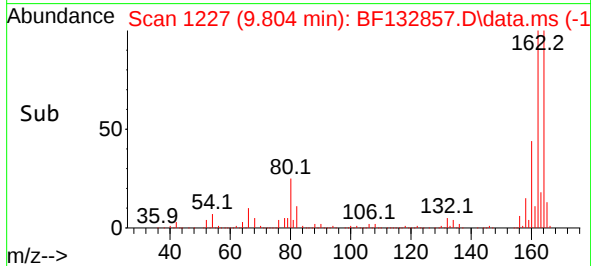
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



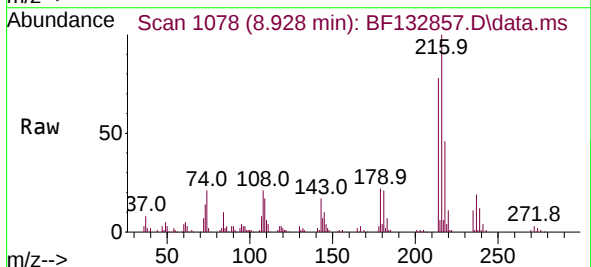
Tgt Ion:164 Resp: 465165
Ion Ratio Lower Upper
164 100
162 99.9 78.1 117.1
160 44.1 35.7 53.5

Manual Integrations
APPROVED

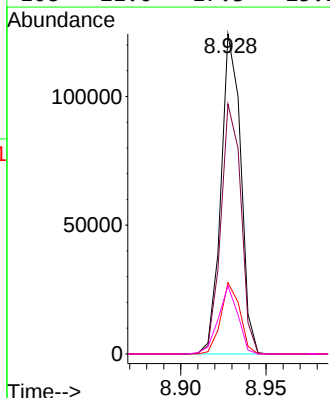
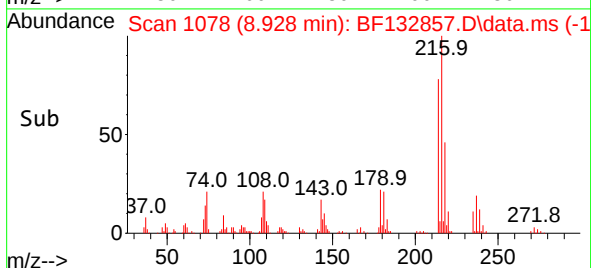
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

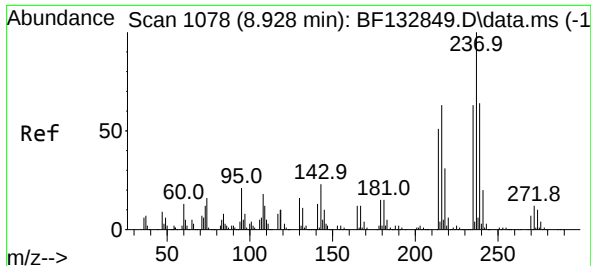


#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.707 ng
RT: 8.928 min Scan# 1078
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12



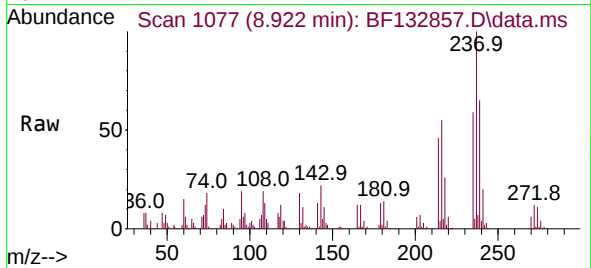
Tgt Ion:216 Resp: 100079
Ion Ratio Lower Upper
216 100
214 79.4 63.4 95.0
179 21.4 17.7 26.5
108 21.0 17.3 25.9





#41
Hexachlorocyclopentadiene
Concen: 6.929 ng
RT: 8.922 min Scan# 1077
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

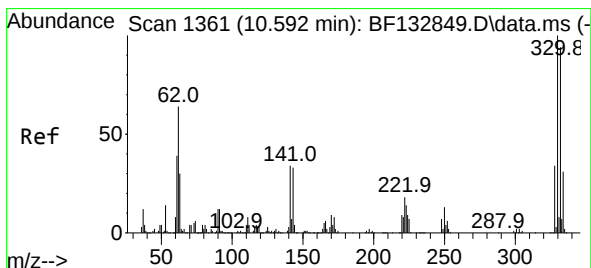
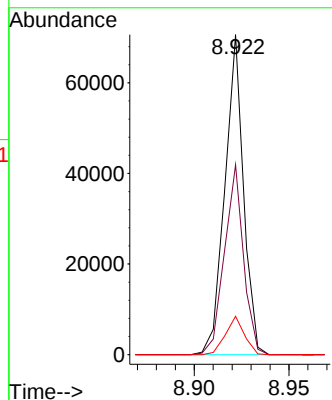
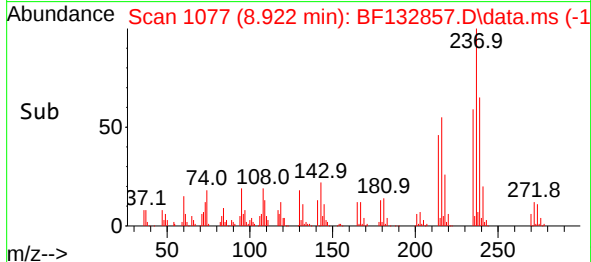
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



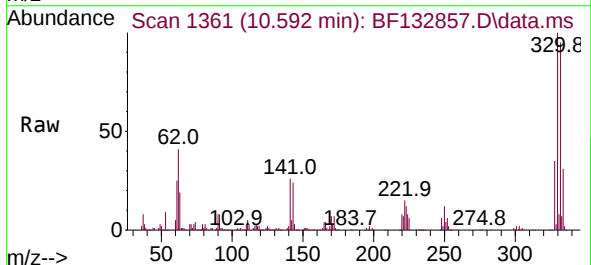
Tgt Ion: 237 Resp: 48435
Ion Ratio Lower Upper
237 100
235 59.3 43.4 83.4
272 12.0 0.0 32.4

Manual Integrations
APPROVED

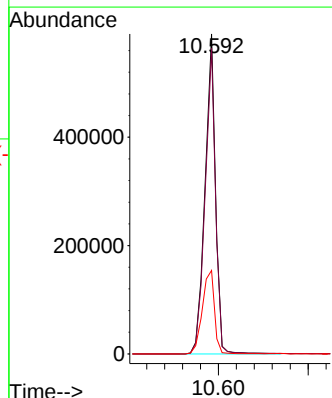
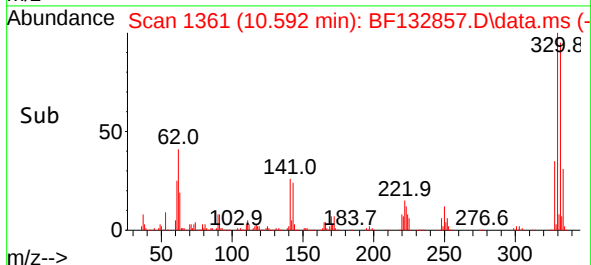
Reviewed By : Christian Giraldo 04/12/2023
Supervised By : Jagrut Upadhyay 04/12/2023

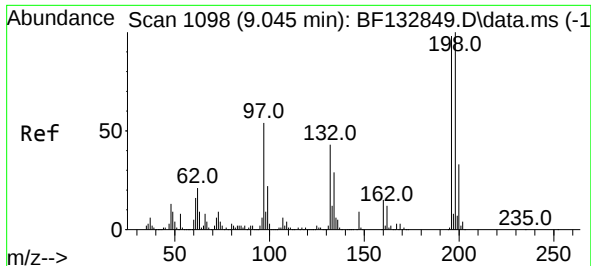


#42
2,4,6-Tribromophenol
Concen: 115.737 ng
RT: 10.592 min Scan# 1361
Delta R.T. 0.000 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12



Tgt Ion: 330 Resp: 478461
Ion Ratio Lower Upper
330 100
332 95.6 76.1 114.1
141 30.1 25.9 38.9





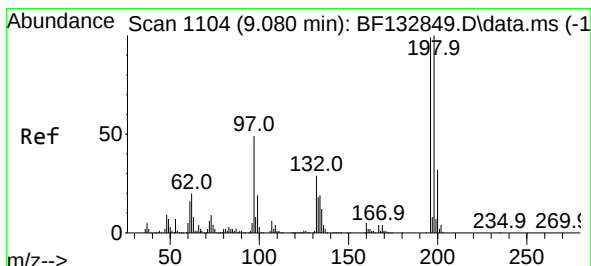
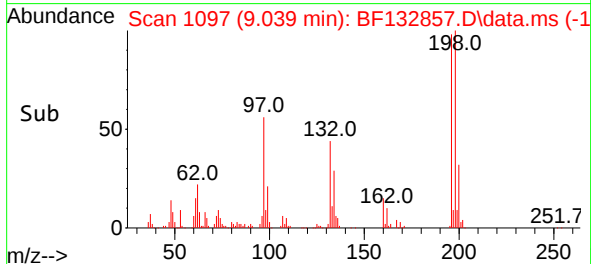
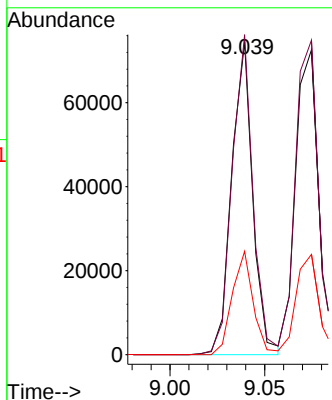
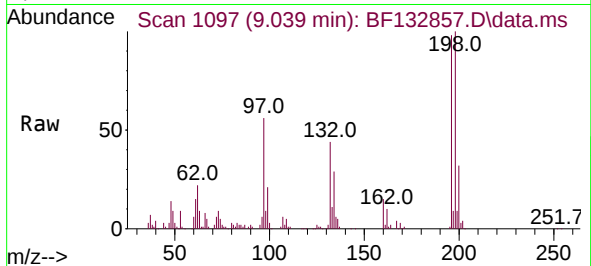
#43
2,4,6-Trichlorophenol
Concen: 7.225 ng
RT: 9.039 min Scan# 1098
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:196 Resp: 57636
Ion Ratio Lower Upper
196 100
198 102.4 81.4 122.0
200 33.1 26.7 40.1

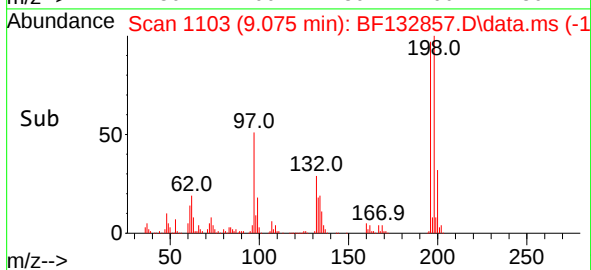
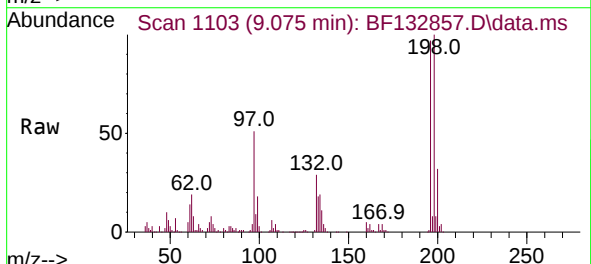
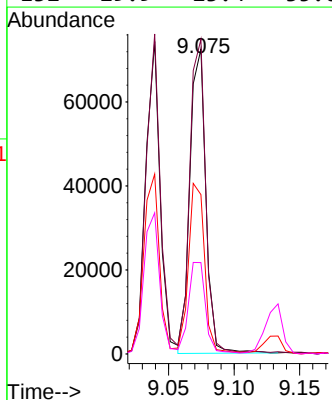
Manual Integrations
APPROVED

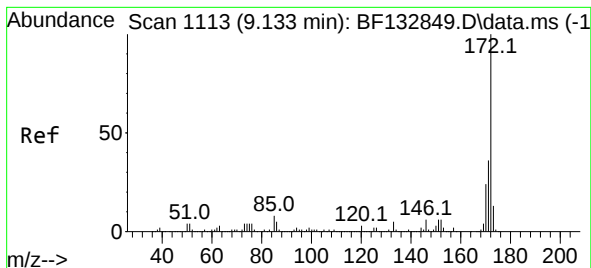
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#44
2,4,5-Trichlorophenol
Concen: 6.549 ng
RT: 9.075 min Scan# 1103
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

Tgt Ion:196 Resp: 61703
Ion Ratio Lower Upper
196 100
198 103.1 80.6 121.0
97 52.2 39.4 59.2
132 29.9 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 75.529 ng

RT: 9.134 min Scan# 1113

Delta R.T. 0.001 min

Lab File: BF132857.D

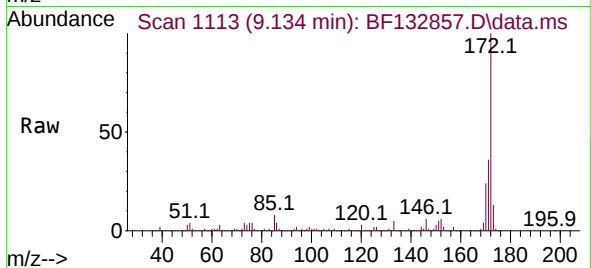
Acq: 11 Apr 2023 19:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:172 Resp: 2220912

Ion Ratio Lower Upper

172 100

171 36.3 28.6 42.8

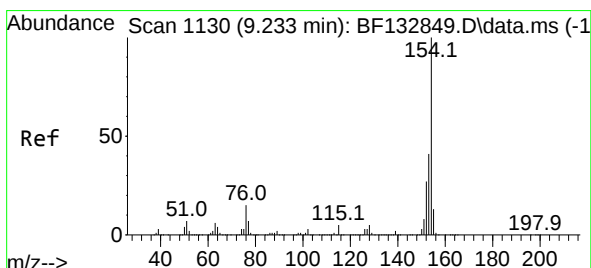
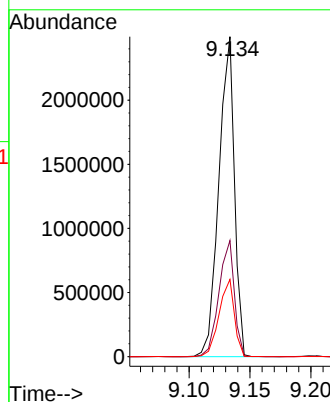
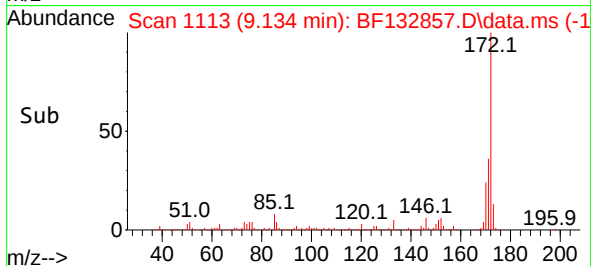
170 24.1 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#46

1,1'-Biphenyl

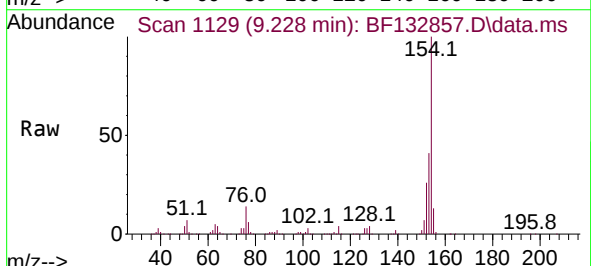
Concen: 8.126 ng

RT: 9.228 min Scan# 1129

Delta R.T. -0.005 min

Lab File: BF132857.D

Acq: 11 Apr 2023 19:12



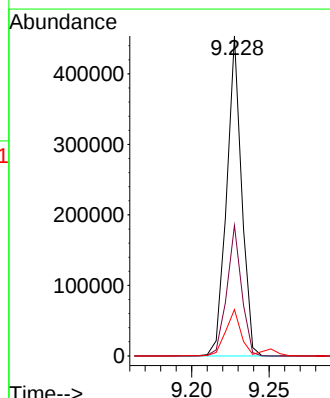
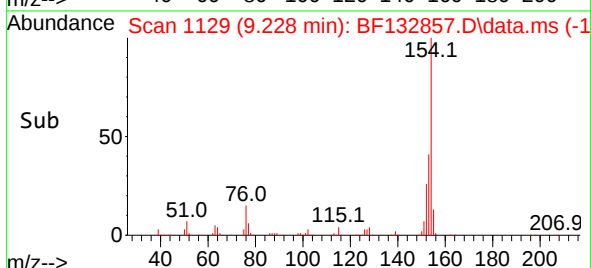
Tgt Ion:154 Resp: 304666

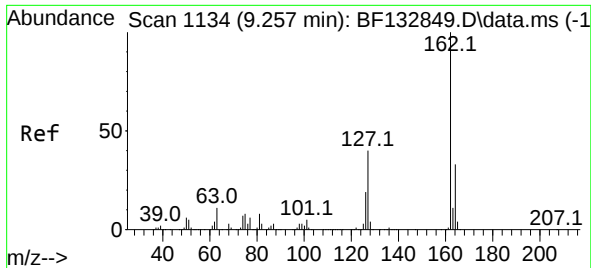
Ion Ratio Lower Upper

154 100

153 40.8 20.7 60.7

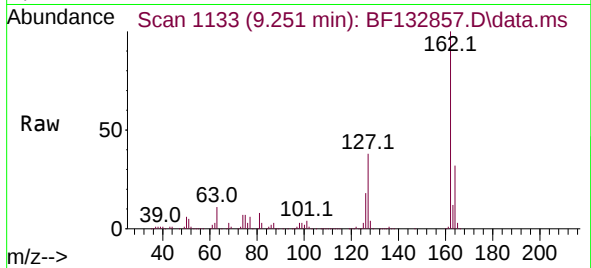
76 14.5 0.0 34.8





#47
2-Chloronaphthalene
Concen: 7.911 ng
RT: 9.251 min Scan# 1133
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

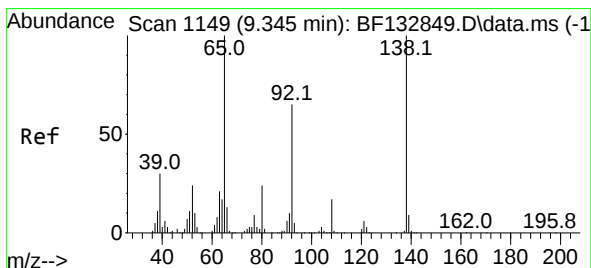
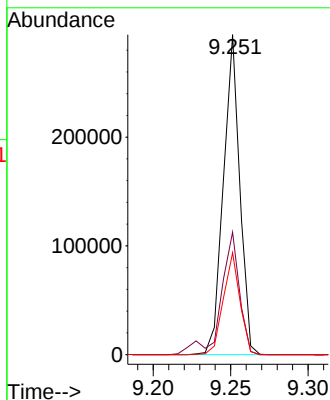
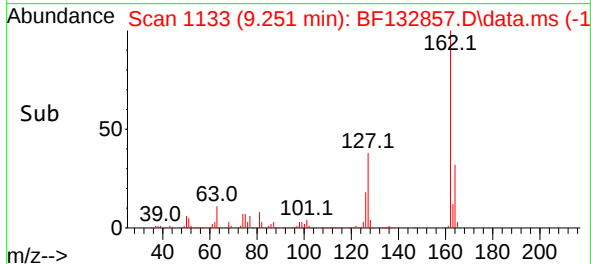
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 162 Resp: 217124
Ion Ratio Lower Upper
162 100
127 38.3 32.1 48.1
164 31.8 26.6 40.0

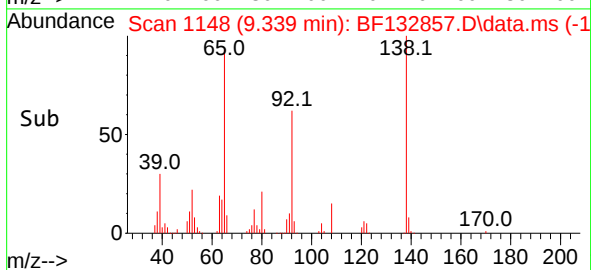
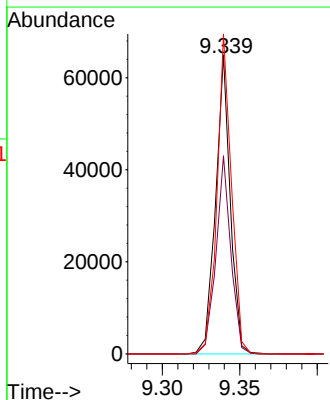
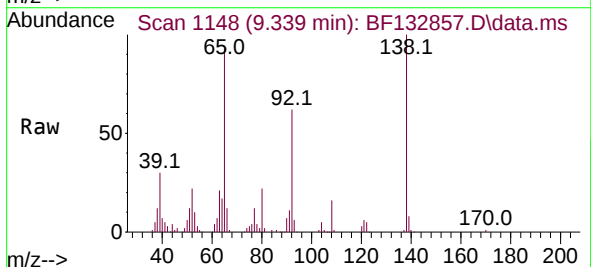
Manual Integrations
APPROVED

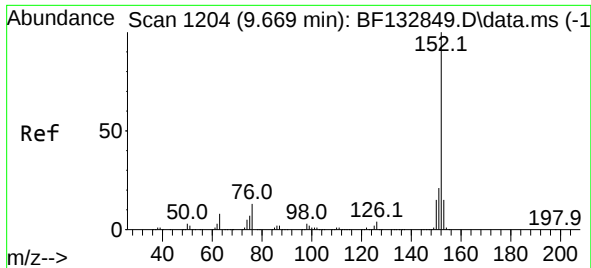
Reviewed By : Christian Giraldo 04/12/2023
Supervised By : Jagrut Upadhyay 04/12/2023



#48
2-Nitroaniline
Concen: 5.805 ng
RT: 9.339 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

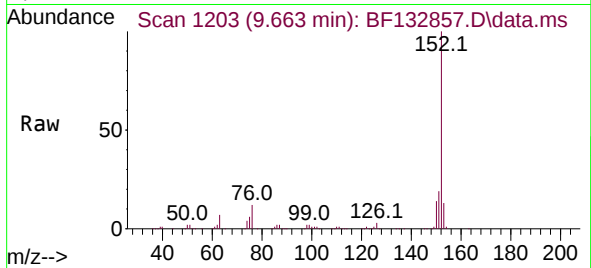
Tgt Ion: 65 Resp: 42930
Ion Ratio Lower Upper
65 100
92 66.2 52.2 78.2
138 107.0 80.3 120.5





#49
Acenaphthylene
Concen: 7.742 ng
RT: 9.663 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

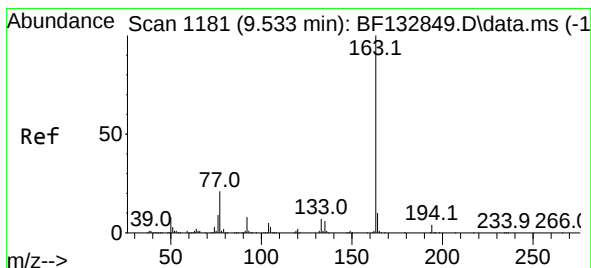
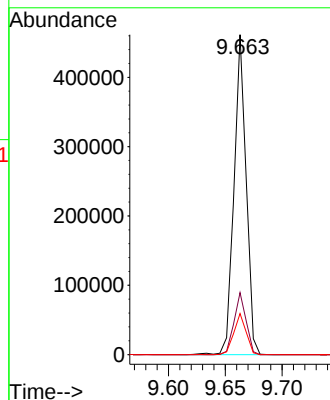
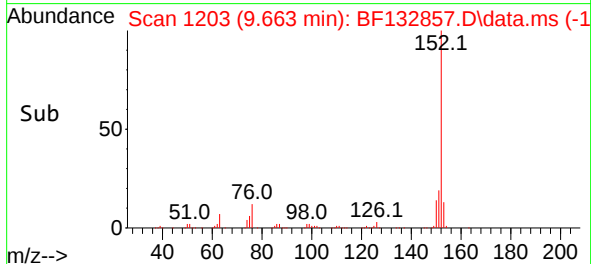
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



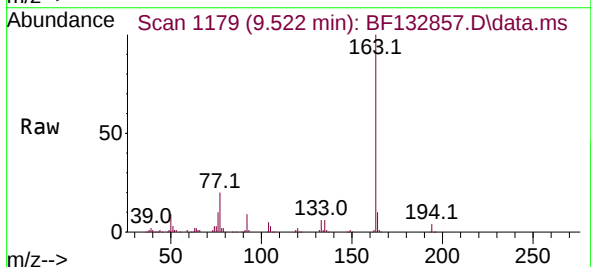
Tgt Ion:152 Resp: 343498
Ion Ratio Lower Upper
152 100
151 19.4 16.6 25.0
153 12.8 11.7 17.5

Manual Integrations
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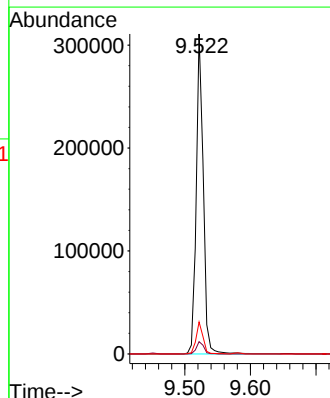
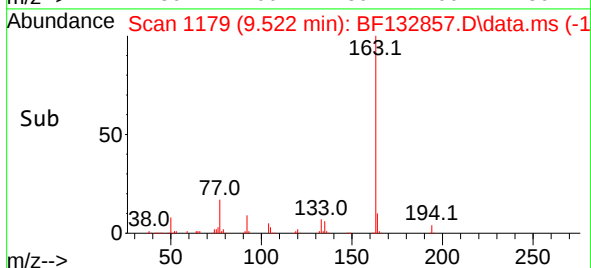
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

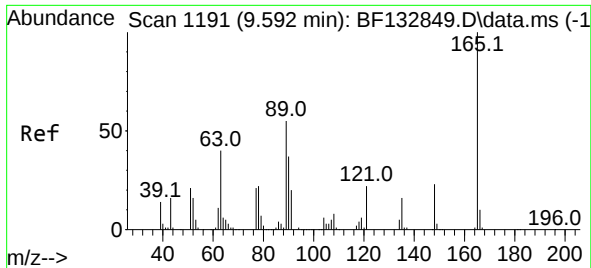


#50
Dimethylphthalate
Concen: 7.738 ng
RT: 9.522 min Scan# 1179
Delta R.T. -0.012 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12



Tgt Ion:163 Resp: 232445
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.0 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 6.565 ng

RT: 9.581 min Scan# 1189

Delta R.T. -0.011 min

Lab File: BF132857.D

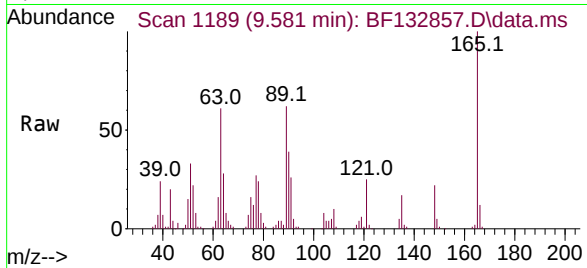
Acq: 11 Apr 2023 19:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



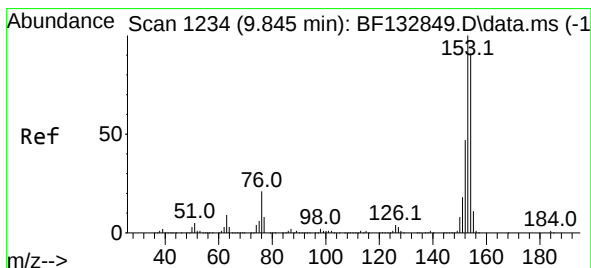
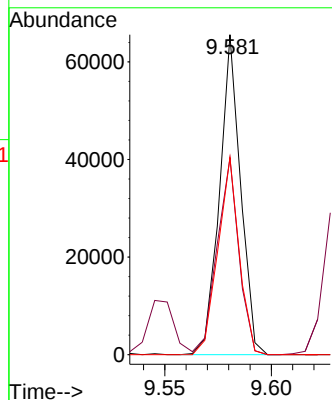
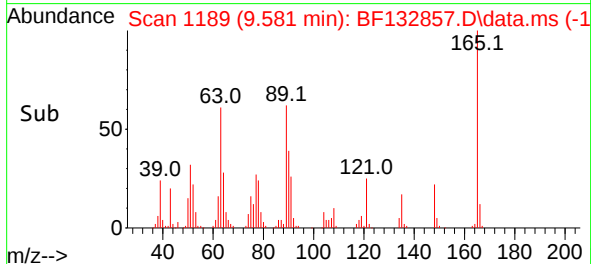
Tgt Ion:165	Resp:	44986
Ion Ratio	Lower	Upper
165	100	
63	61.4	46.7 70.1
89	61.6	44.1 66.1

Manual Integrations

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Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#52

Acenaphthene

Concen: 7.743 ng

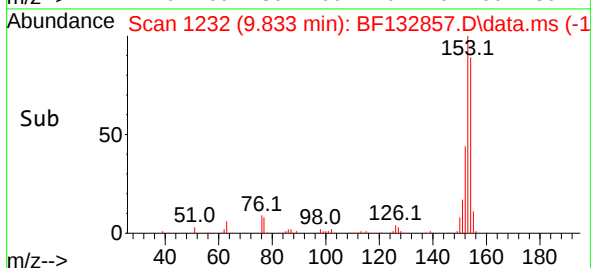
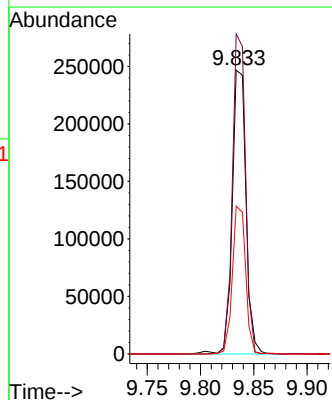
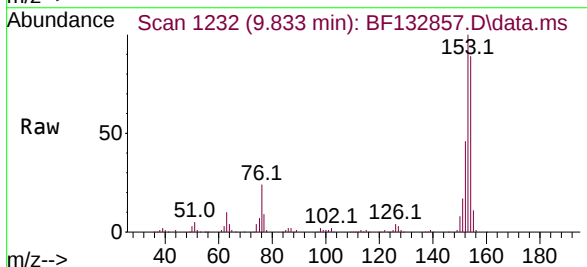
RT: 9.833 min Scan# 1232

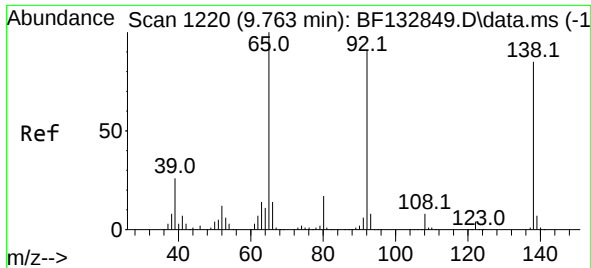
Delta R.T. -0.012 min

Lab File: BF132857.D

Acq: 11 Apr 2023 19:12

Tgt Ion:154	Resp:	220727
Ion Ratio	Lower	Upper
154	100	
153	112.8	88.2 132.2
152	52.1	41.6 62.4





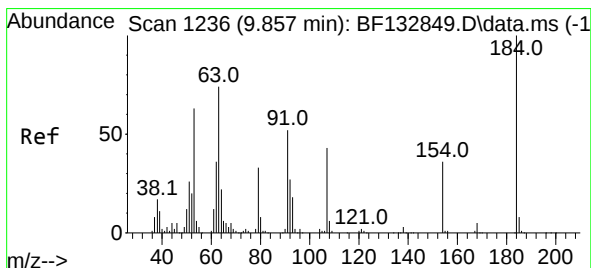
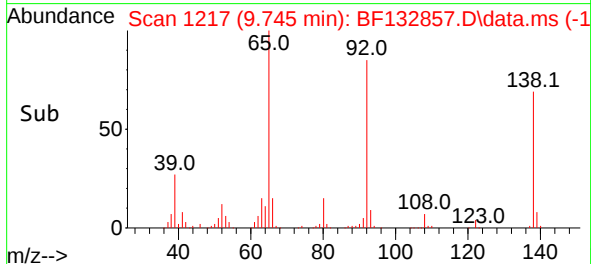
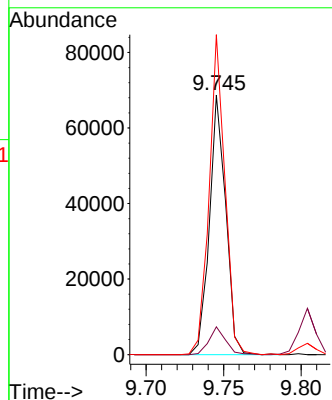
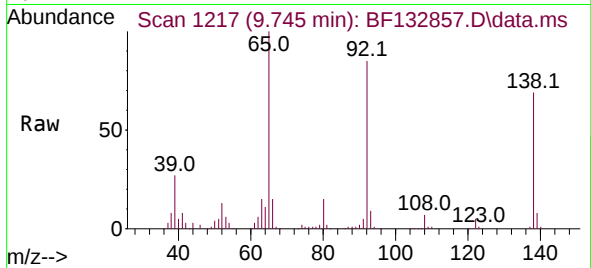
#53
3-Nitroaniline
Concen: 6.329 ng
RT: 9.745 min Scan# 1217
Delta R.T. -0.018 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:138 Resp: 50173
Ion Ratio Lower Upper
138 100
108 10.7 7.2 10.8
92 123.3 85.4 128.2

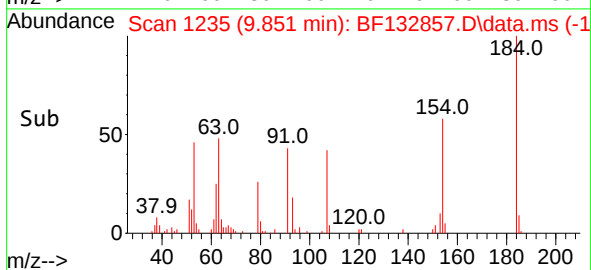
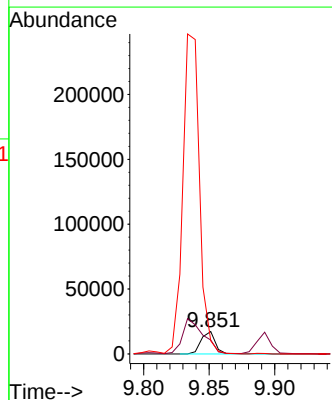
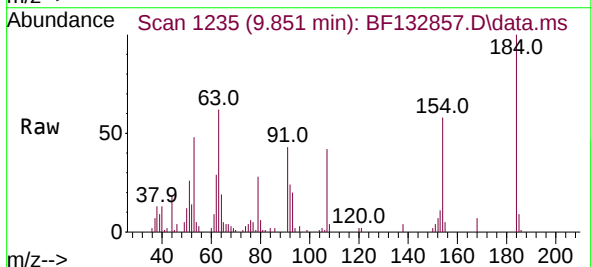
Manual Integrations
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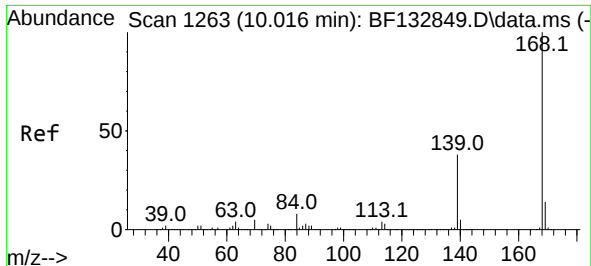
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#54
2,4-Dinitrophenol
Concen: 4.483 ng
RT: 9.851 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

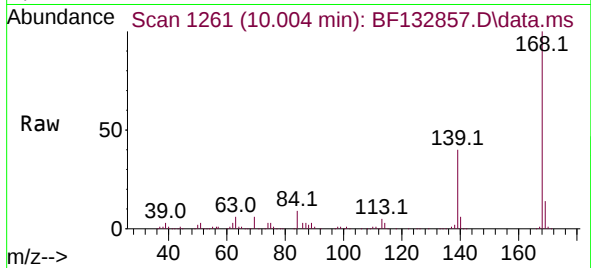
Tgt Ion:184 Resp: 12983
Ion Ratio Lower Upper
184 100
63 61.7 62.8 94.2#
154 58.4 51.7 77.5





#55
Dibenzenofuran
Concen: 7.645 ng
RT: 10.004 min Scan# 1261
Delta R.T. -0.012 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

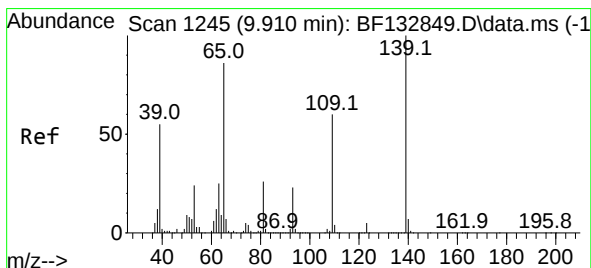
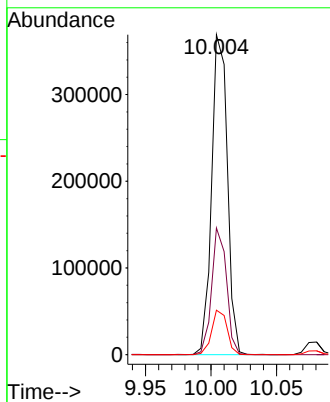
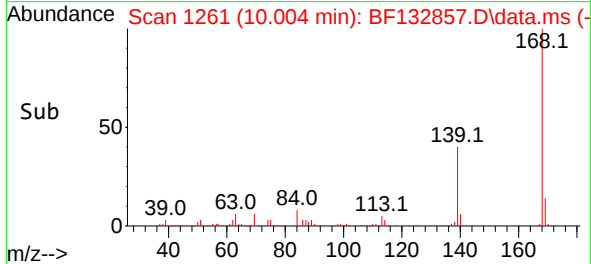
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:168 Resp: 308919
Ion Ratio Lower Upper
168 100
139 39.6 30.1 45.1
169 13.9 10.8 16.2

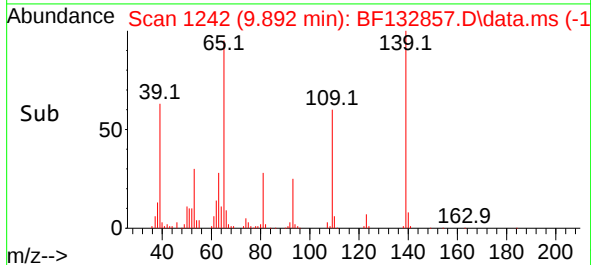
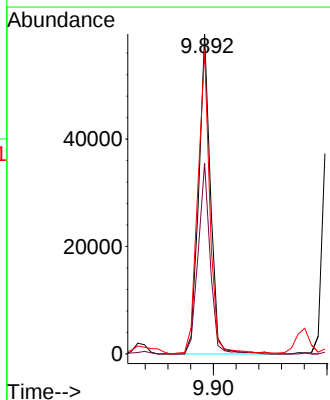
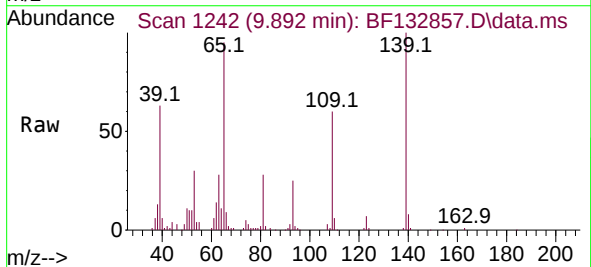
Manual Integrations
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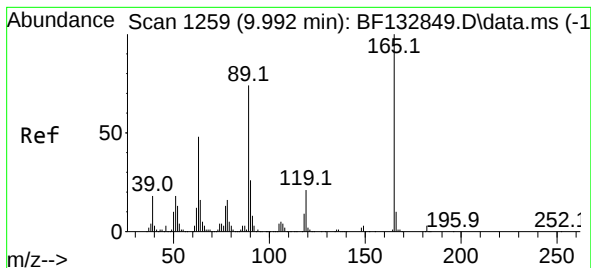
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#56
4-Nitrophenol
Concen: 6.855 ng
RT: 9.892 min Scan# 1242
Delta R.T. -0.018 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

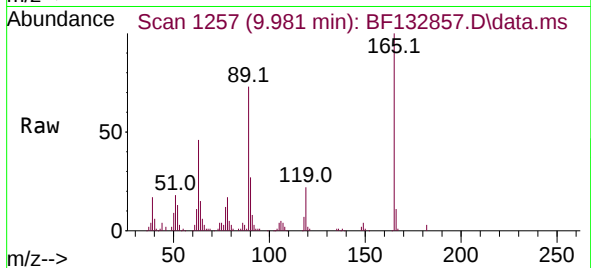
Tgt Ion:139 Resp: 42834
Ion Ratio Lower Upper
139 100
109 59.6 39.7 79.7
65 94.8 66.3 106.3





#57
2,4-Dinitrotoluene
Concen: 6.321 ng
RT: 9.981 min Scan# 1259
Delta R.T. -0.012 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

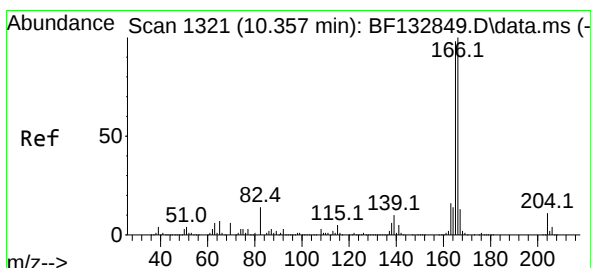
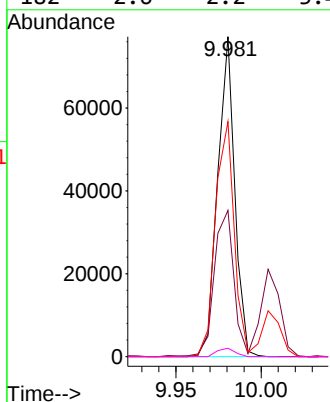
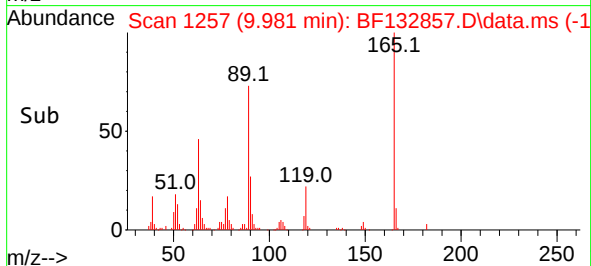
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



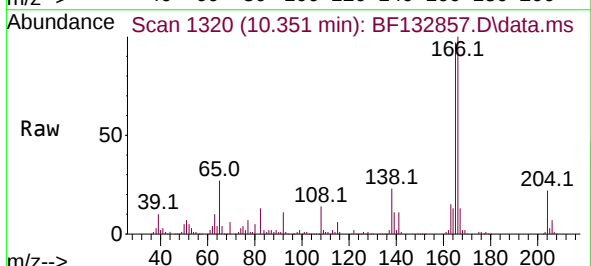
Tgt Ion:165 Resp: 53812
Ion Ratio Lower Upper
165 100
63 45.7 38.1 57.1
89 73.4 59.2 88.8
182 2.6 2.2 3.4

Manual Integrations
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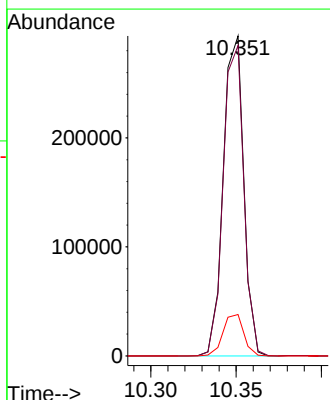
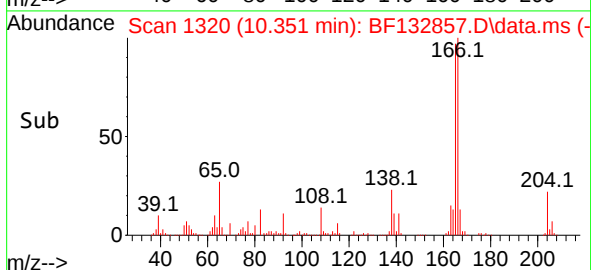
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

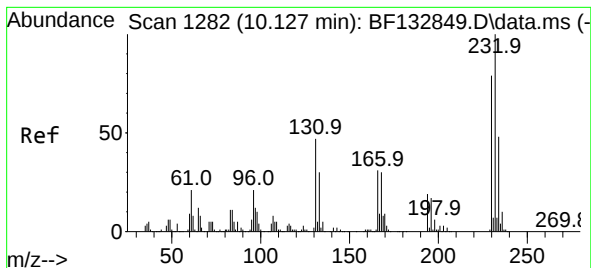


#58
Fluorene
Concen: 8.203 ng
RT: 10.351 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12



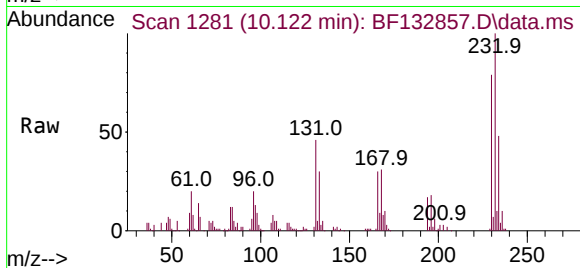
Tgt Ion:166 Resp: 244491
Ion Ratio Lower Upper
166 100
165 97.0 78.0 117.0
167 12.9 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.167 ng
RT: 10.122 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

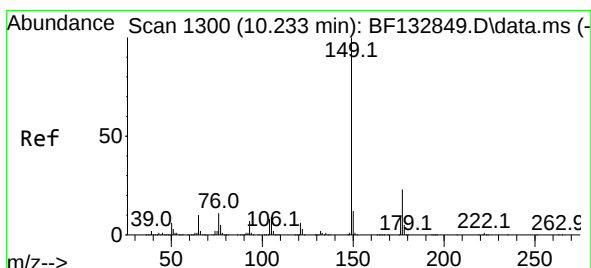
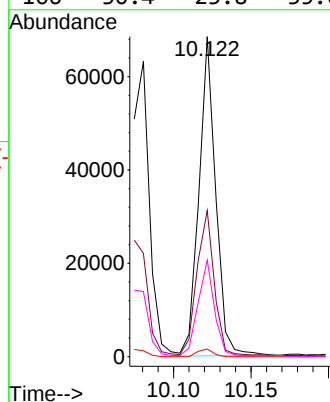
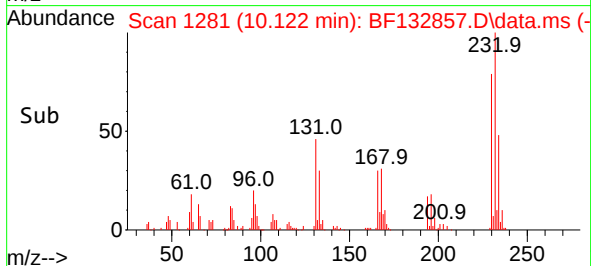
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



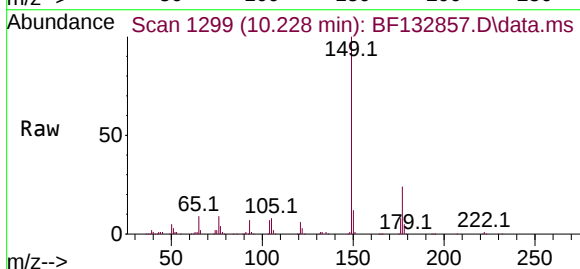
Tgt Ion:232 Resp: 51425
Ion Ratio Lower Upper
232 100
131 49.2 37.8 56.8
130 2.2 1.8 2.8
166 30.4 23.8 35.6

Manual Integrations
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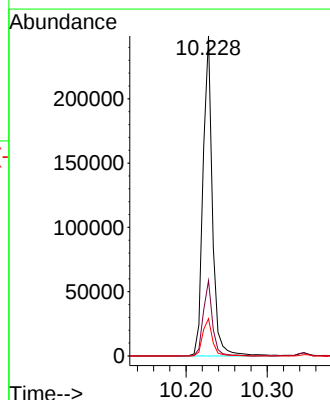
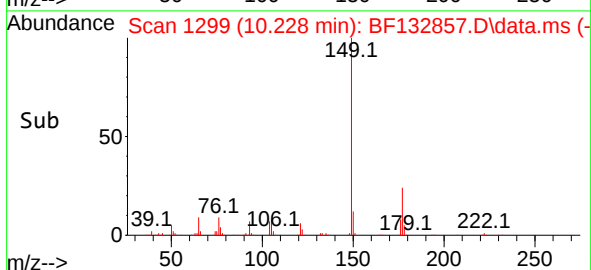
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

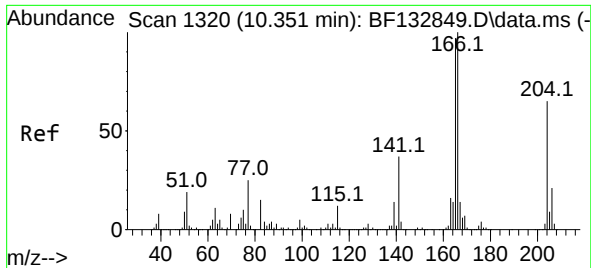


#60
Diethylphthalate
Concen: 7.808 ng
RT: 10.228 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12



Tgt Ion:149 Resp: 199351
Ion Ratio Lower Upper
149 100
177 23.5 18.5 27.7
150 11.6 9.9 14.9





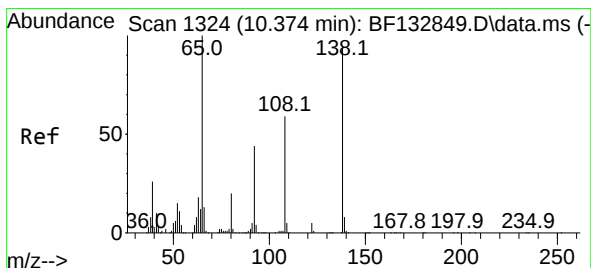
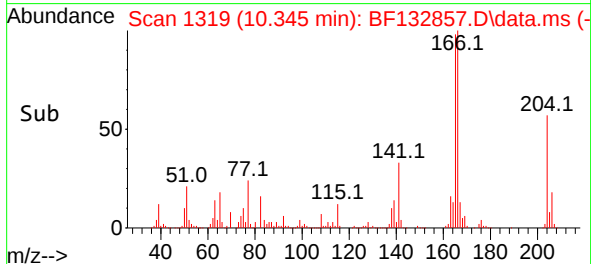
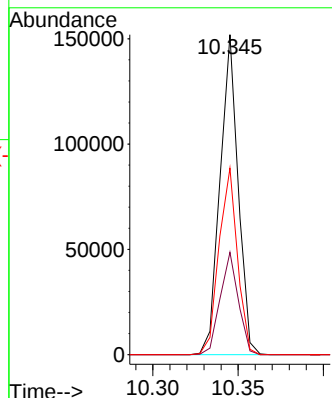
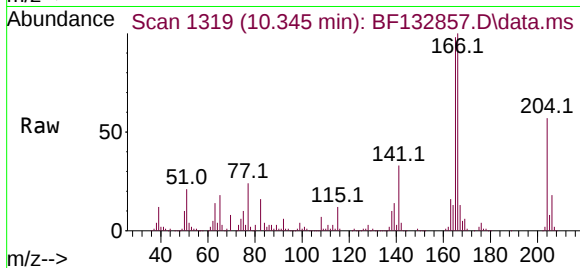
#61
4-Chlorophenyl-phenylether
Concen: 7.897 ng
RT: 10.345 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:204 Resp: 111986
Ion Ratio Lower Upper
204 100
206 32.0 26.1 39.1
141 58.3 45.3 67.9

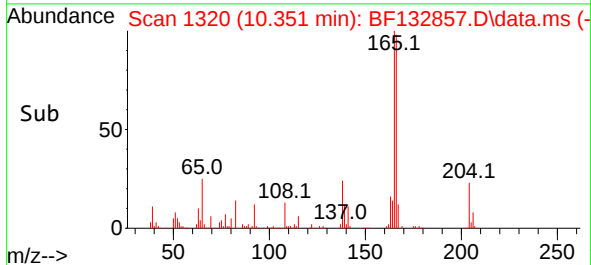
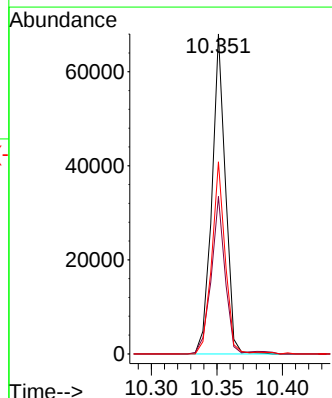
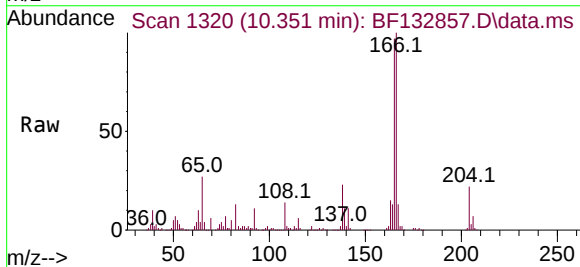
Manual Integrations
APPROVED

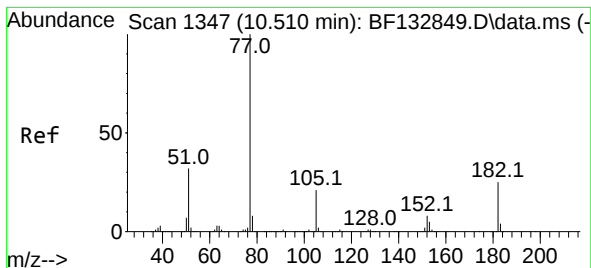
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#62
4-Nitroaniline
Concen: 6.444 ng
RT: 10.351 min Scan# 1320
Delta R.T. -0.023 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

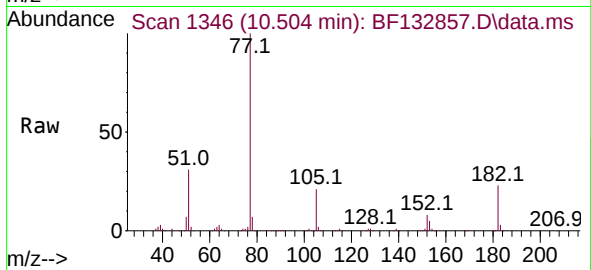
Tgt Ion:138 Resp: 48792
Ion Ratio Lower Upper
138 100
92 49.2 26.7 66.7
108 60.0 42.0 82.0





#63
Azobenzene
Concen: 7.468 ng
RT: 10.504 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

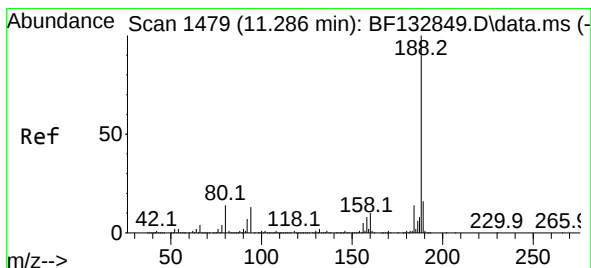
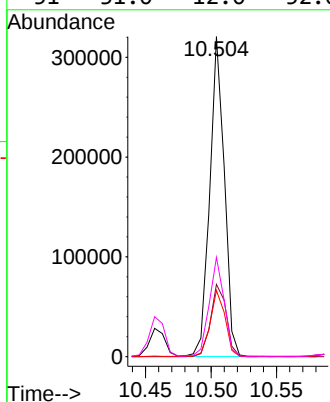
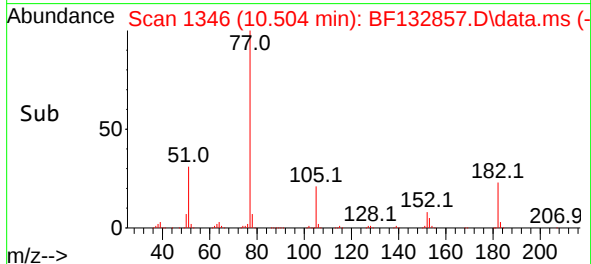
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



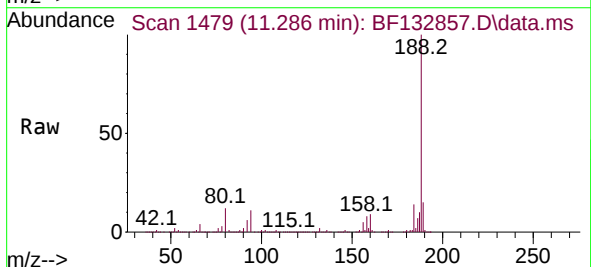
Tgt Ion: 77 Resp: 248372
Ion Ratio Lower Upper
77 100
182 22.6 5.1 45.1
105 20.7 0.9 40.9
51 31.0 12.0 52.0

Manual Integrations
APPROVED

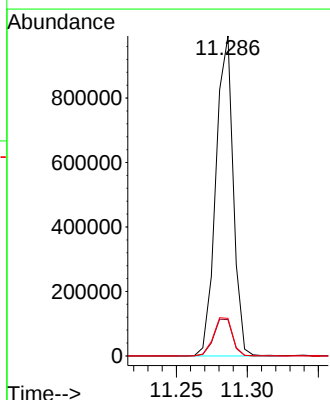
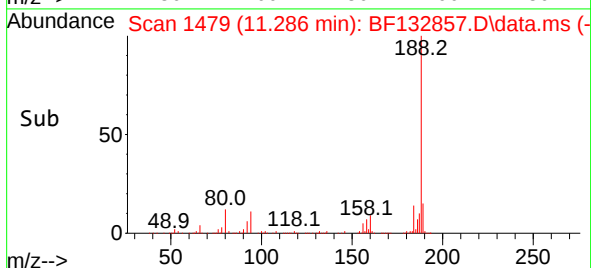
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

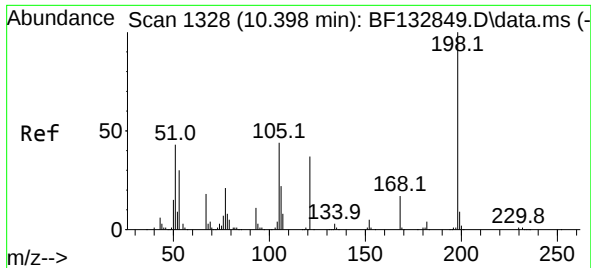


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1479
Delta R.T. 0.000 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12



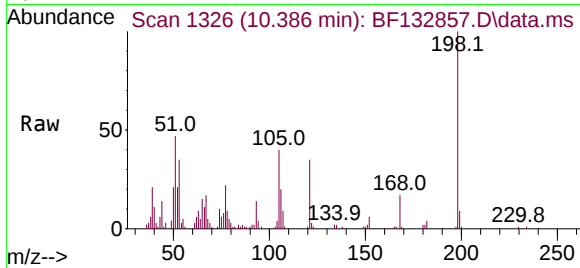
Tgt Ion:188 Resp: 847800
Ion Ratio Lower Upper
188 100
94 11.4 10.8 16.2
80 11.7 10.9 16.3





#65
4,6-Dinitro-2-methylphenol
Concen: 4.448 ng
RT: 10.386 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

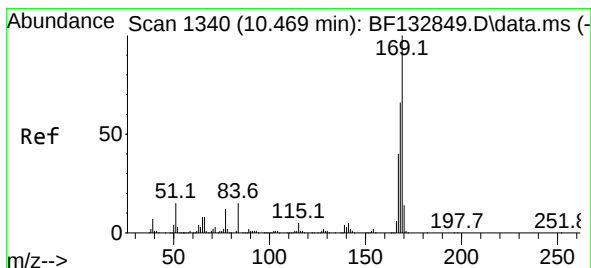
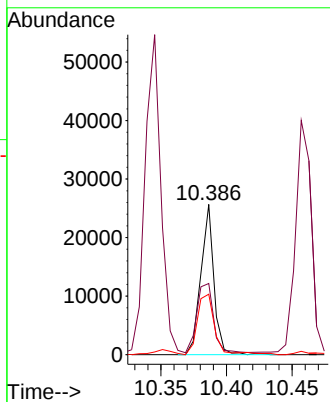
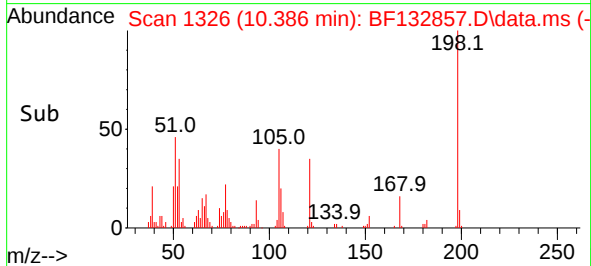
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



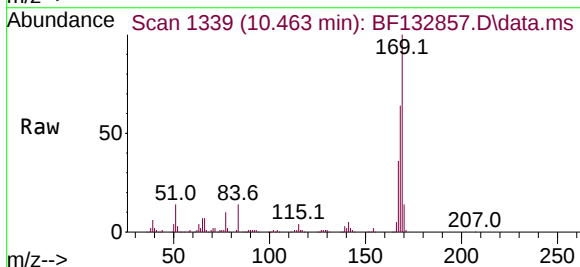
Tgt Ion:198 Resp: 17699
Ion Ratio Lower Upper
198 100
51 47.4 31.8 71.8
105 40.2 24.4 64.4

Manual Integrations
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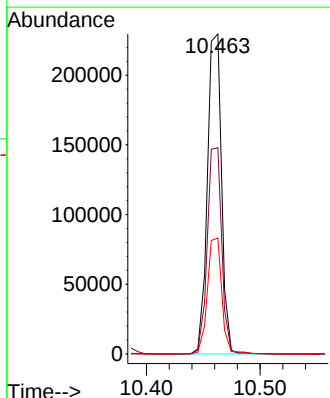
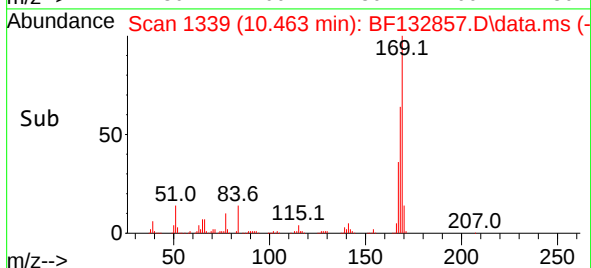
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

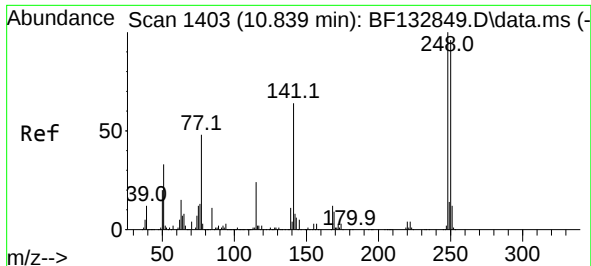


#66
n-Nitrosodiphenylamine
Concen: 7.707 ng
RT: 10.463 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12



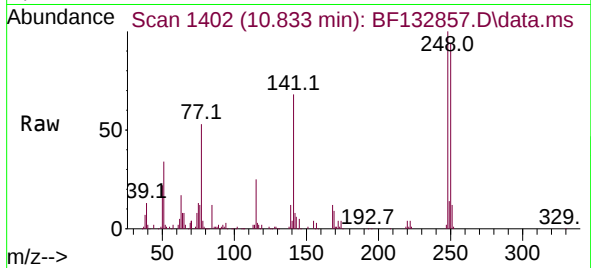
Tgt Ion:169 Resp: 199386
Ion Ratio Lower Upper
169 100
168 64.4 52.9 79.3
167 36.2 31.8 47.6





#67
4-Bromophenyl-phenylether
Concen: 7.281 ng
RT: 10.833 min Scan# 1402
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

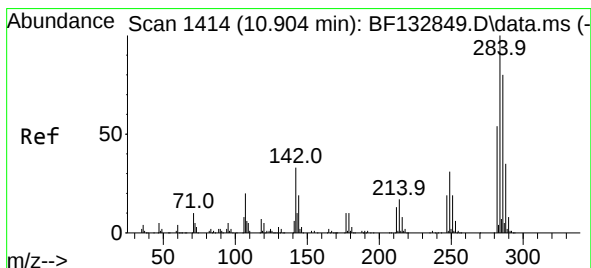
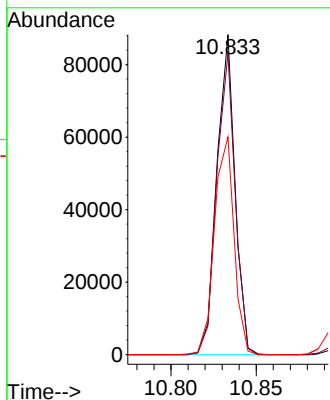
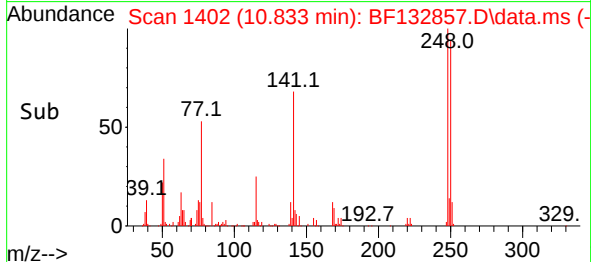
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



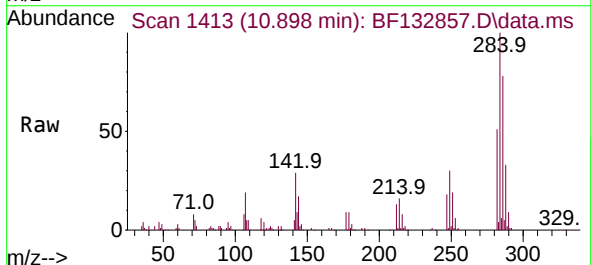
Tgt Ion:248 Resp: 65523
Ion Ratio Lower Upper
248 100
250 94.2 76.9 115.3
141 68.0 50.9 76.3

Manual Integrations
APPROVED

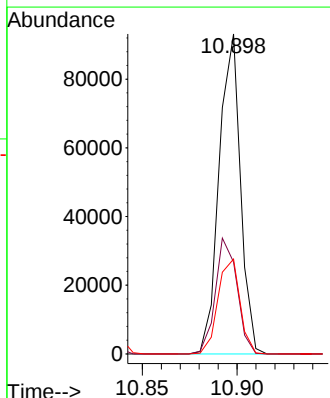
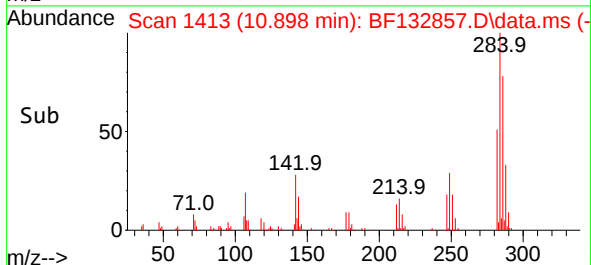
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

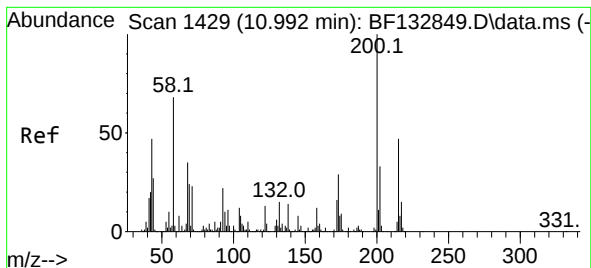


#68
Hexachlorobenzene
Concen: 7.831 ng
RT: 10.898 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12



Tgt Ion:284 Resp: 72962
Ion Ratio Lower Upper
284 100
142 28.7 26.2 39.2
249 29.6 24.4 36.6





#69

Atrazine

Concen: 8.169 ng

RT: 10.986 min Scan# 1445

Delta R.T. -0.006 min

Lab File: BF132857.D

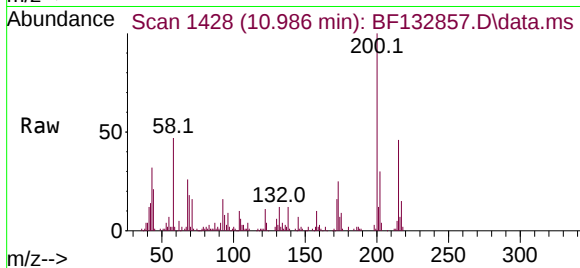
Acq: 11 Apr 2023 19:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

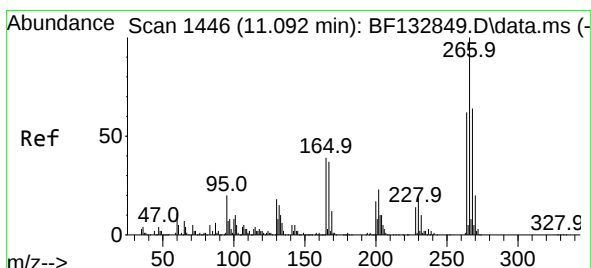
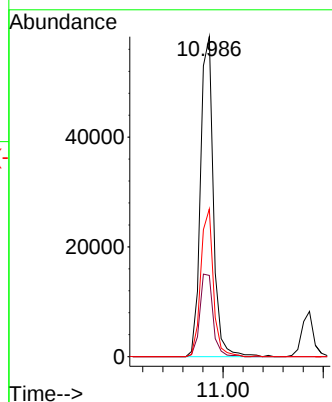
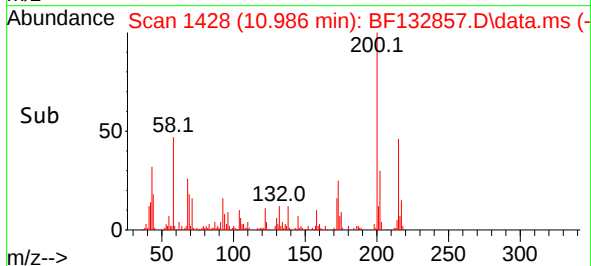


Tgt Ion:	200	Resp:	51812
Ion Ratio	Lower	Upper	
200	100		
173	25.4	8.7	48.7
215	46.1	26.7	66.7

Manual Integrations

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Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#70

Pentachlorophenol

Concen: 5.917 ng

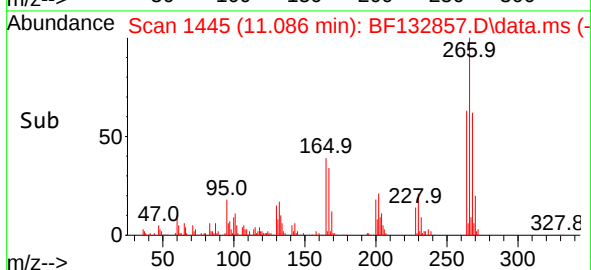
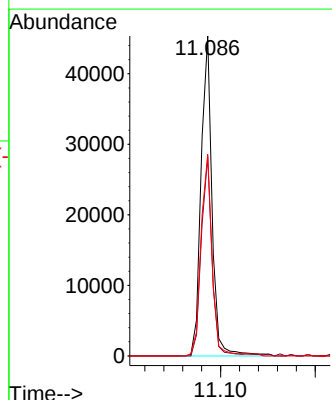
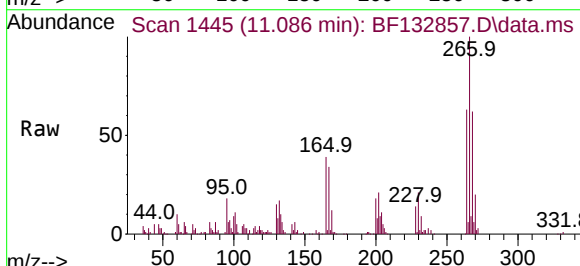
RT: 11.086 min Scan# 1445

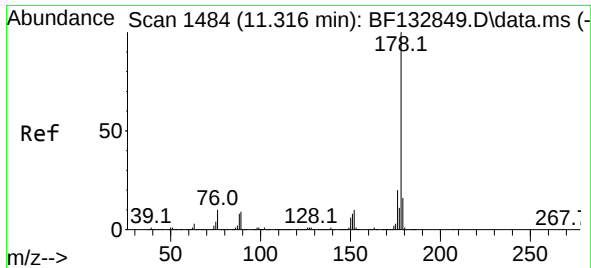
Delta R.T. -0.006 min

Lab File: BF132857.D

Acq: 11 Apr 2023 19:12

Tgt Ion:	266	Resp:	36307
Ion Ratio	Lower	Upper	
266	100		
268	62.3	51.2	76.8
264	63.0	49.8	74.8





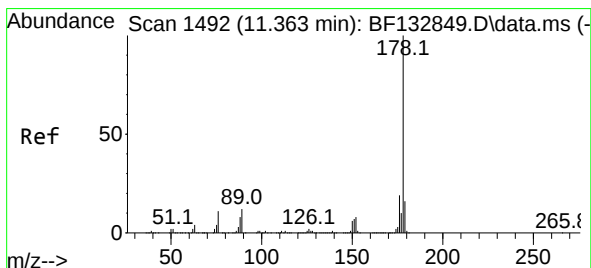
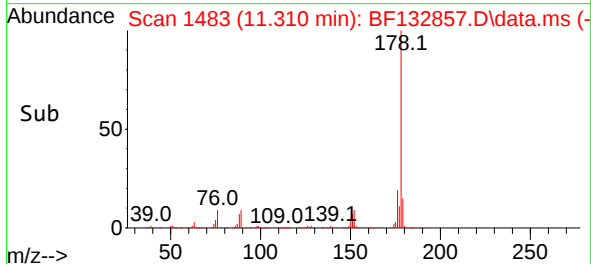
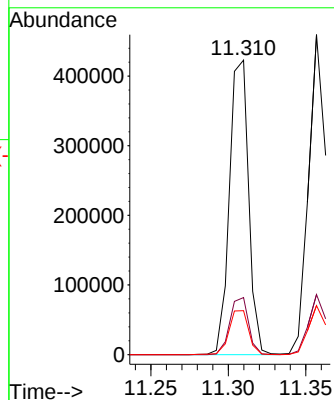
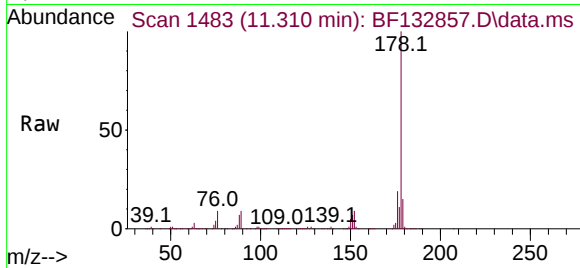
#71
Phenanthrene
Concen: 7.858 ng
RT: 11.310 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:178 Resp: 365370
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 14.9 12.6 18.8

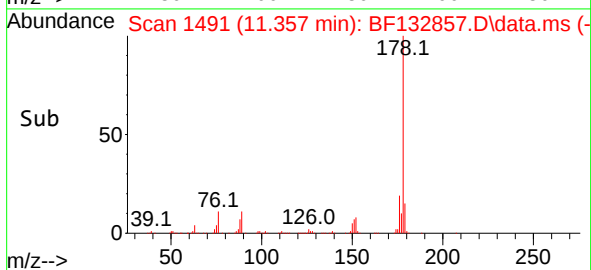
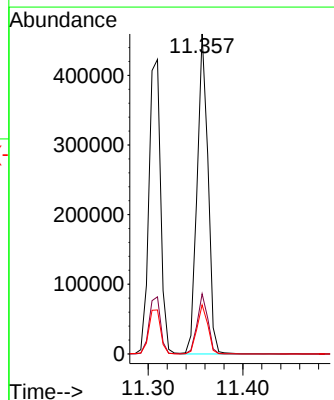
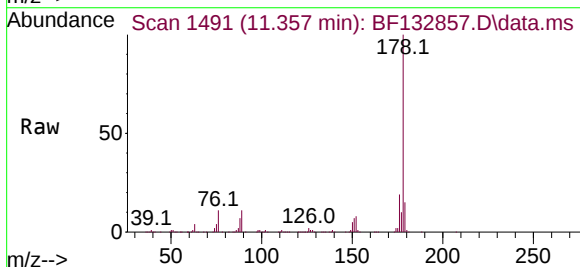
Manual Integrations
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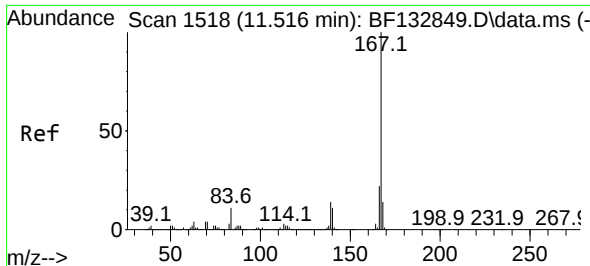
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#72
Anthracene
Concen: 7.711 ng
RT: 11.357 min Scan# 1491
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

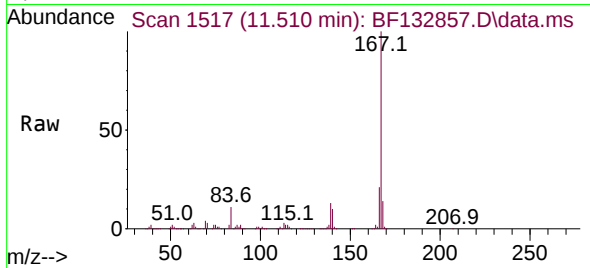
Tgt Ion:178 Resp: 366572
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.3 12.5 18.7





#73
 Carbazole
 Concen: 7.637 ng
 RT: 11.510 min Scan# 1517
 Delta R.T. -0.006 min
 Lab File: BF132857.D
 Acq: 11 Apr 2023 19:12

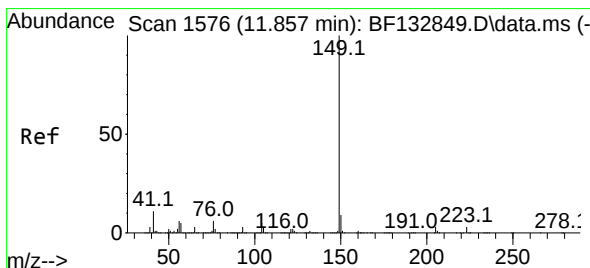
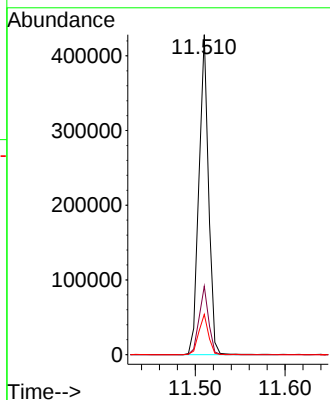
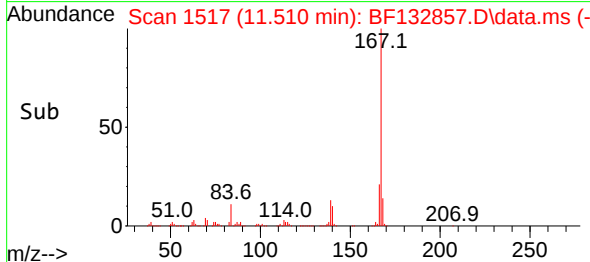
Instrument : BNA_F
 ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



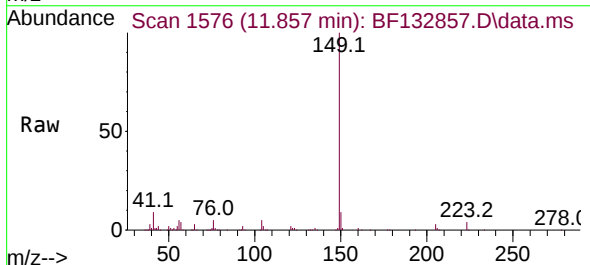
Tgt Ion:167 Resp: 317601
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.4 26.0
 139 12.6 11.1 16.7

Manual Integrations
 APPROVED

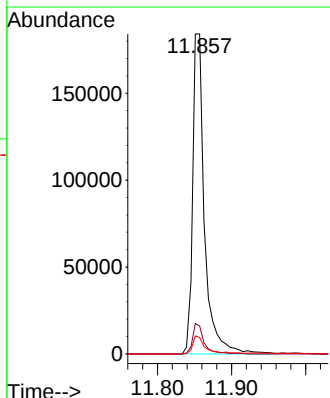
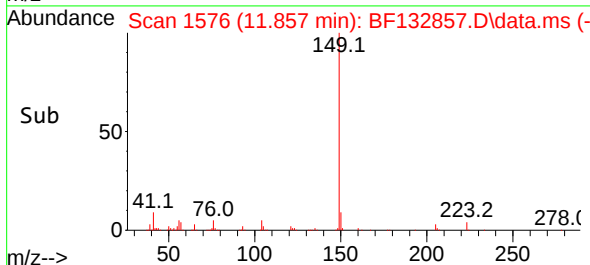
Reviewed By :Christian Giraldo 04/12/2023
 Supervised By :Jagrut Upadhyay 04/12/2023

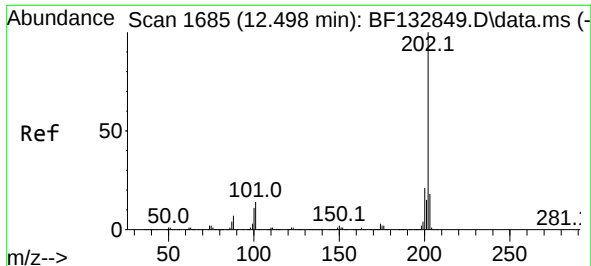


#74
 Di-n-butylphthalate
 Concen: 7.714 ng
 RT: 11.857 min Scan# 1576
 Delta R.T. -0.000 min
 Lab File: BF132857.D
 Acq: 11 Apr 2023 19:12



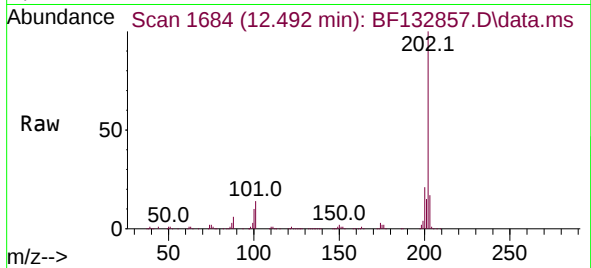
Tgt Ion:149 Resp: 205809
 Ion Ratio Lower Upper
 149 100
 150 8.7 7.4 11.2
 104 5.1 4.3 6.5





#75
Fluoranthene
Concen: 7.342 ng
RT: 12.492 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

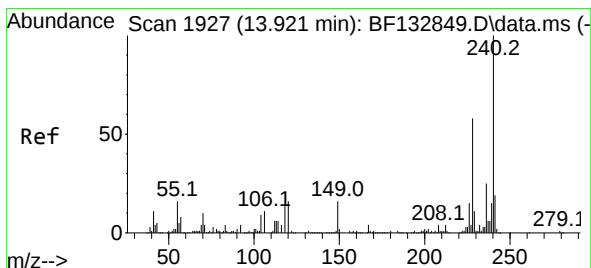
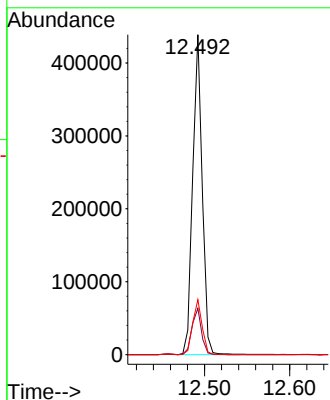
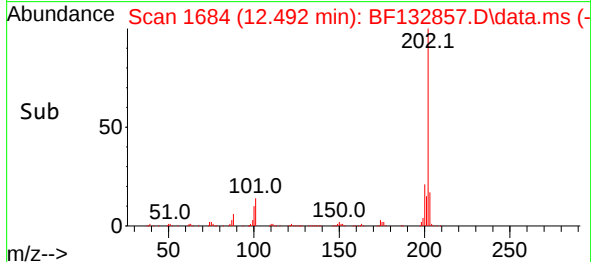
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:202 Resp: 341806
Ion Ratio Lower Upper
202 100
101 14.5 0.0 34.2
203 17.2 0.0 37.8

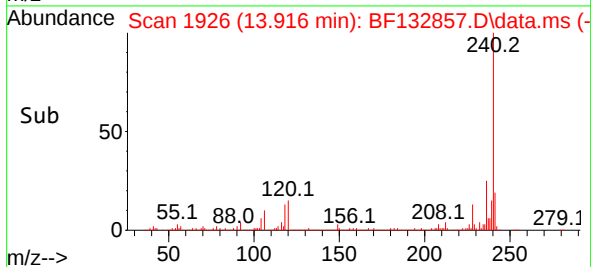
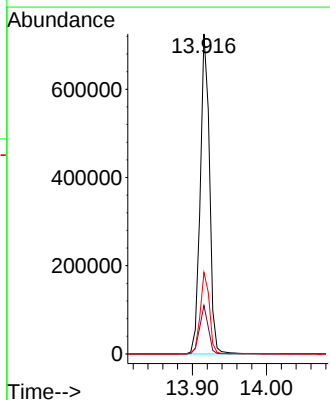
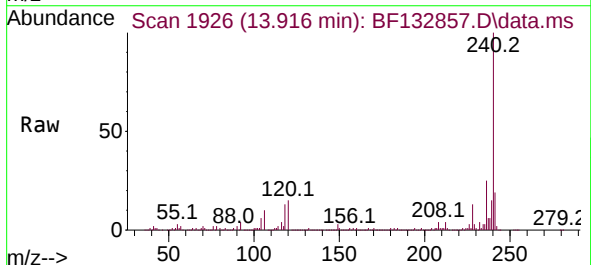
Manual Integrations
APPROVED

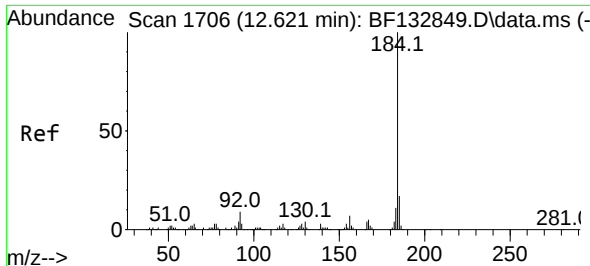
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.916 min Scan# 1926
Delta R.T. -0.005 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

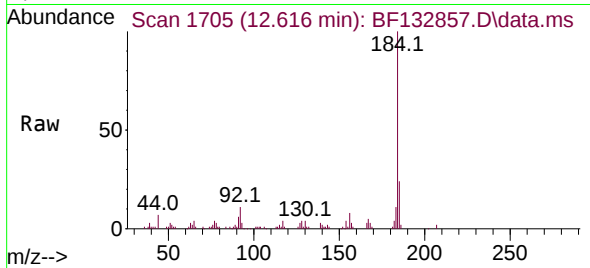
Tgt Ion:240 Resp: 630669
Ion Ratio Lower Upper
240 100
120 15.1 12.6 18.8
236 25.5 20.3 30.5





#77
Benzidine
Concen: 10.066 ng m
RT: 12.616 min Scan# 1705
Delta R.T. -0.005 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

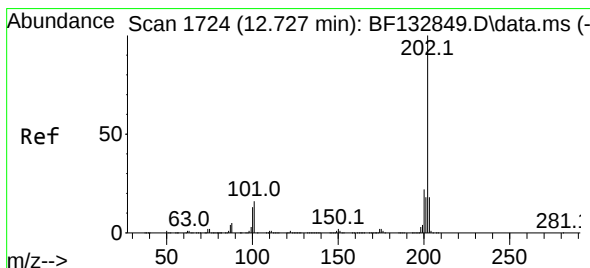
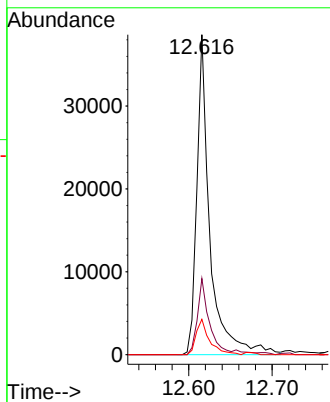
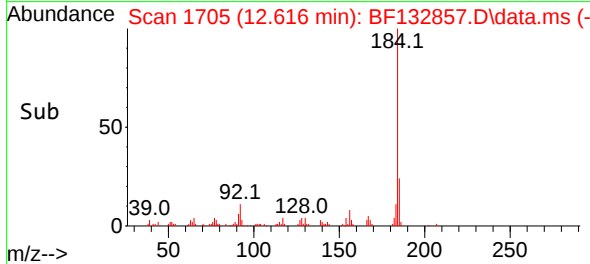
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:184 Resp: 41936
Ion Ratio Lower Upper
184 100
185 23.8 13.2 19.8
183 11.0 8.9 13.3

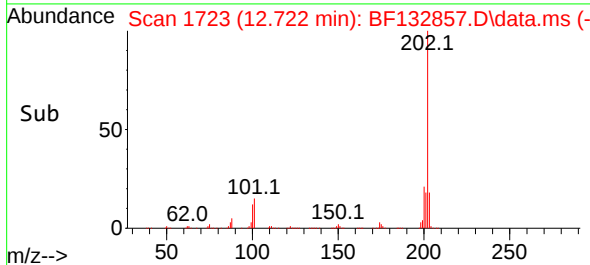
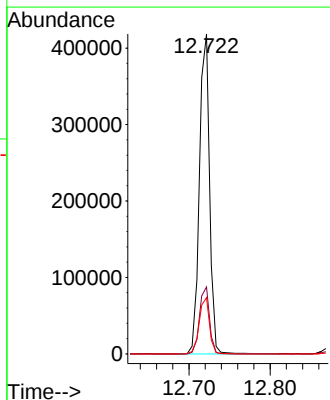
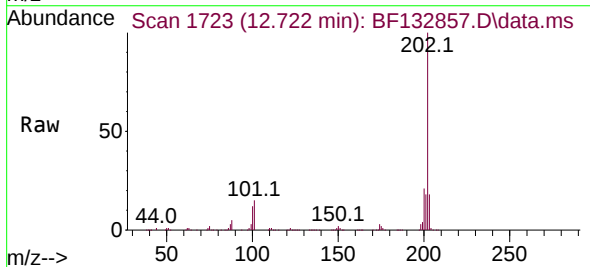
Manual Integrations
APPROVED

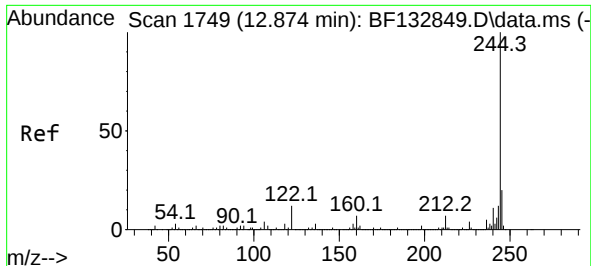
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#78
Pyrene
Concen: 6.700 ng
RT: 12.722 min Scan# 1723
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

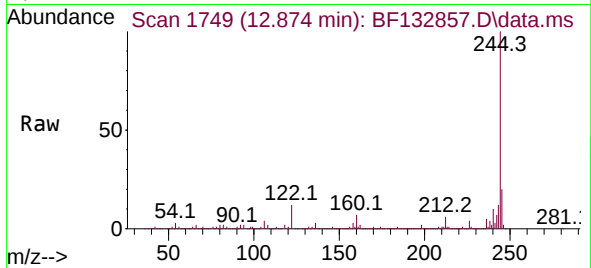
Tgt Ion:202 Resp: 360927
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.0
203 17.6 14.2 21.4





#79
 Terphenyl-d14
 Concen: 67.084 ng
 RT: 12.874 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: BF132857.D
 Acq: 11 Apr 2023 19:12

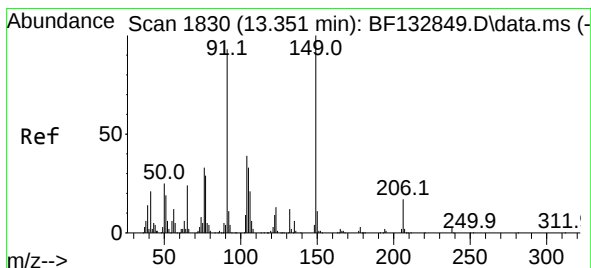
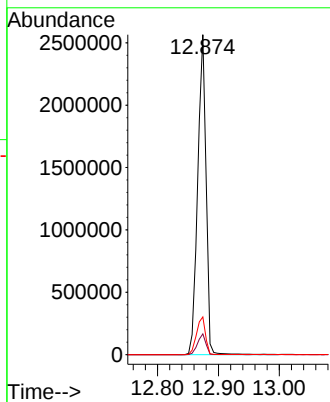
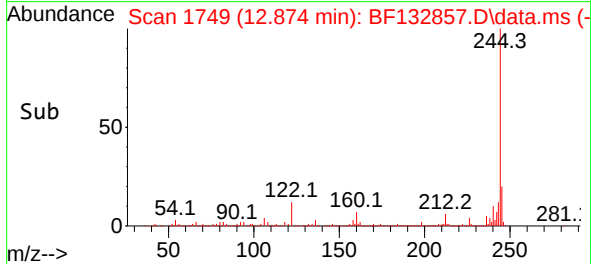
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023



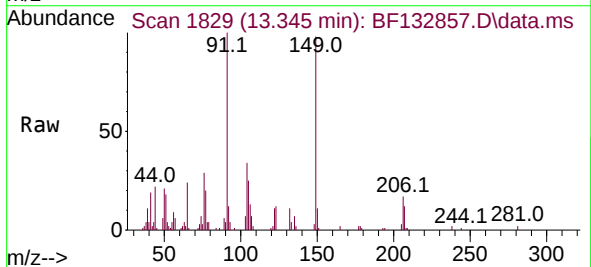
Tgt Ion:244 Resp: 2441788
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 11.8 9.8 14.6

Manual Integrations
 APPROVED

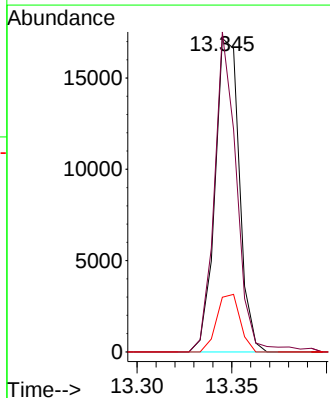
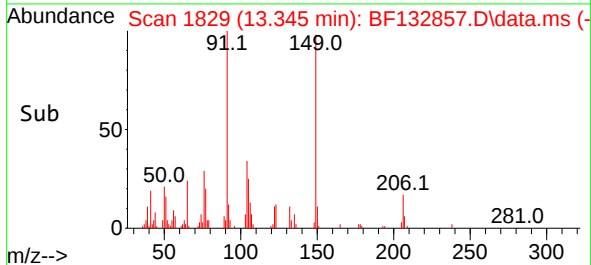
Reviewed By :Christian Giraldo 04/12/2023
 Supervised By :Jagrut Upadhyay 04/12/2023

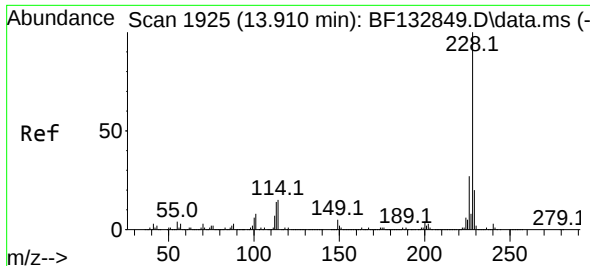


#80
 Butylbenzylphthalate
 Concen: 5.131 ng
 RT: 13.345 min Scan# 1829
 Delta R.T. -0.006 min
 Lab File: BF132857.D
 Acq: 11 Apr 2023 19:12



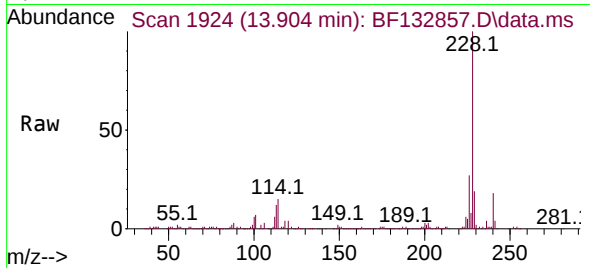
Tgt Ion:149 Resp: 15351
 Ion Ratio Lower Upper
 149 100
 91 102.0 74.8 112.2
 206 17.4 13.8 20.6





#81
Benzo(a)anthracene
Concen: 7.090 ng
RT: 13.904 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

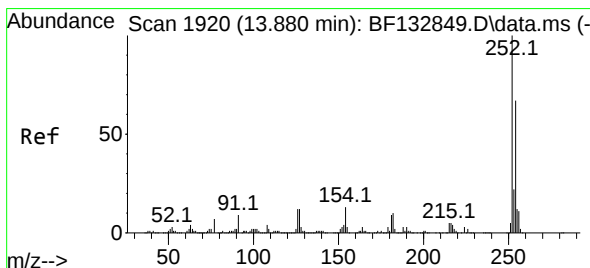
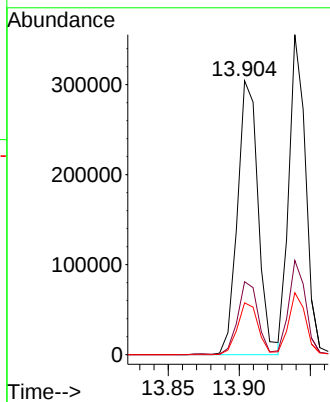
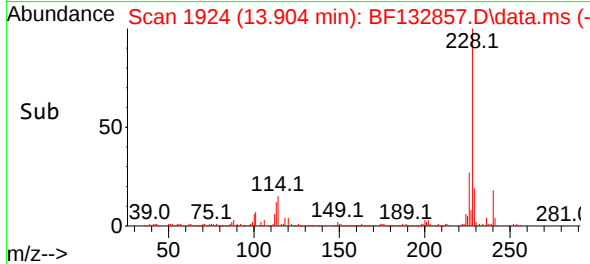
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:228 Resp: 307563
Ion Ratio Lower Upper
228 100
226 26.6 21.9 32.9
229 18.9 16.1 24.1

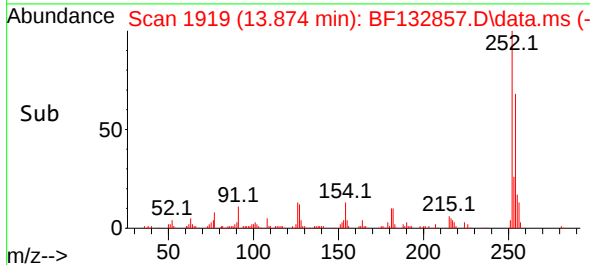
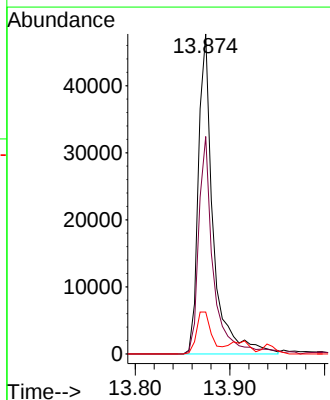
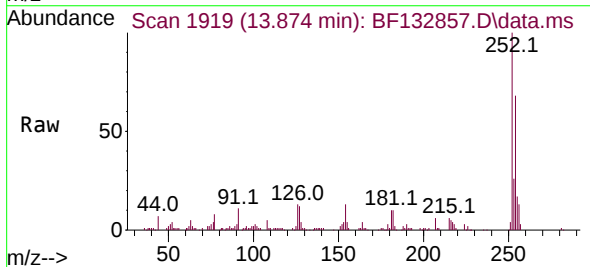
Manual Integrations
APPROVED

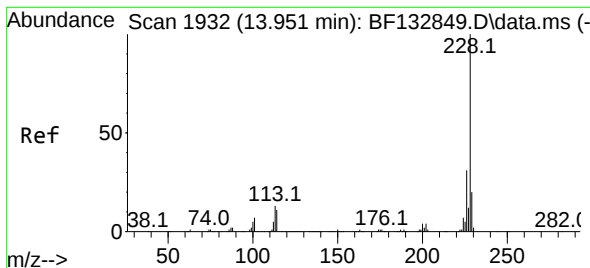
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#82
3,3'-Dichlorobenzidine
Concen: 7.485 ng
RT: 13.874 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

Tgt Ion:252 Resp: 51539
Ion Ratio Lower Upper
252 100
254 67.9 53.8 80.6
126 13.1 9.4 14.0





#83

Chrysene

Concen: 6.892 ng

RT: 13.939 min Scan# 1930

Delta R.T. -0.012 min

Lab File: BF132857.D

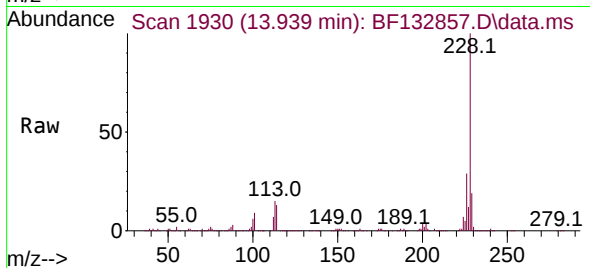
Acq: 11 Apr 2023 19:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:228 Resp: 294285

Ion Ratio Lower Upper

228 100

226 29.4 24.3 36.5

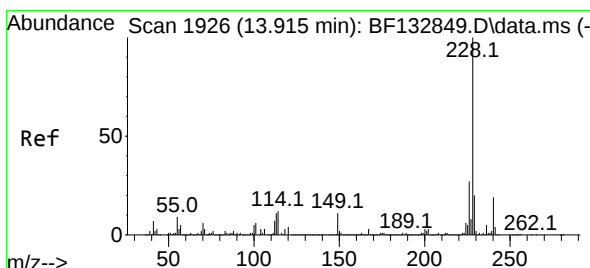
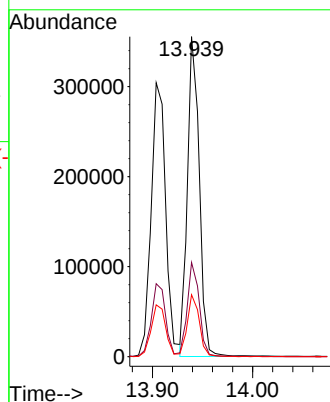
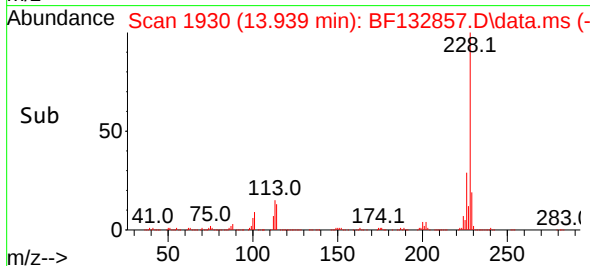
229 19.3 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.331 ng

RT: 13.916 min Scan# 1926

Delta R.T. 0.001 min

Lab File: BF132857.D

Acq: 11 Apr 2023 19:12

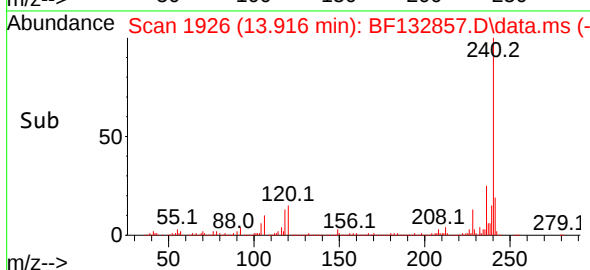
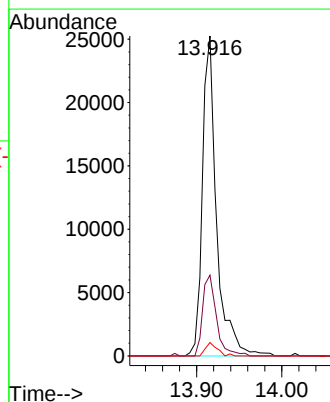
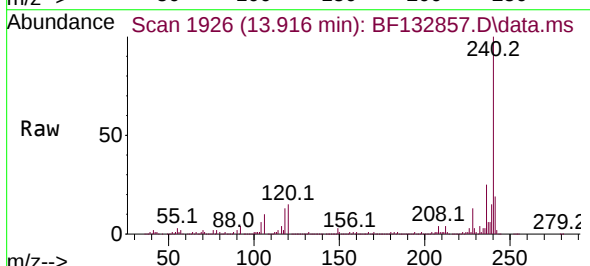
Tgt Ion:149 Resp: 29053

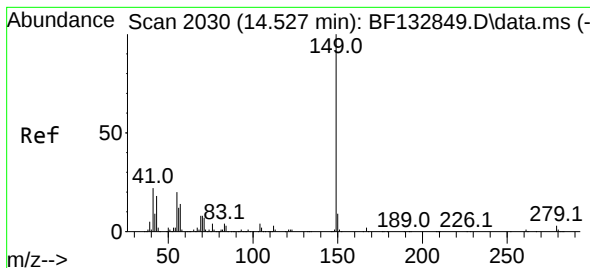
Ion Ratio Lower Upper

149 100

167 25.2 20.4 30.6

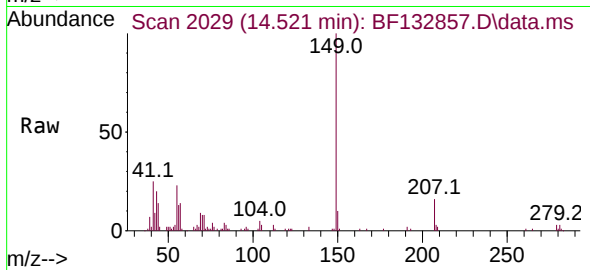
279 4.2 2.3 3.5#





#85
Di-n-octyl phthalate
Concen: 5.083 ng
RT: 14.521 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

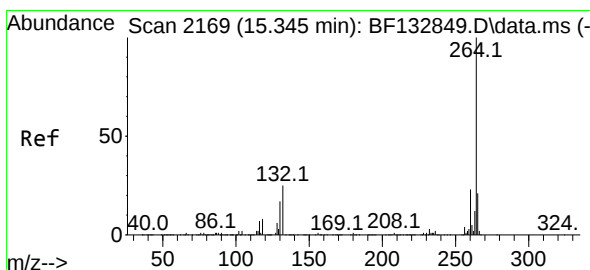
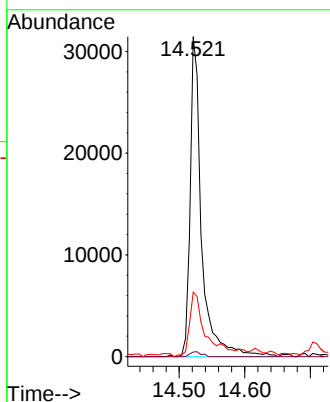
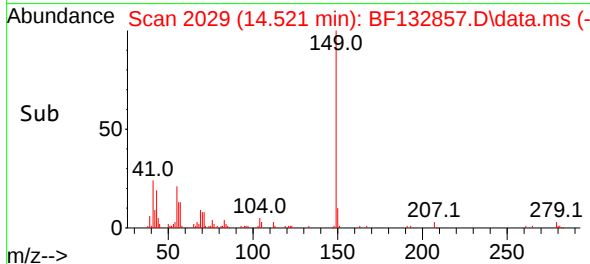
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:149 Resp: 37993
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 28.1 21.4 32.0

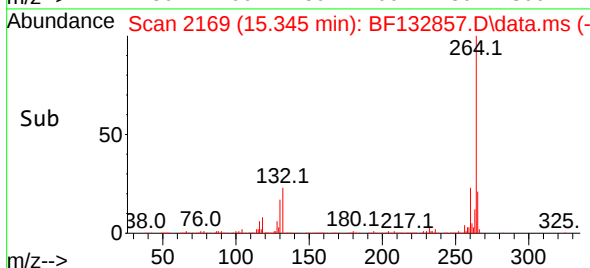
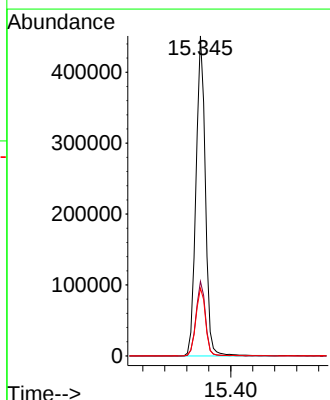
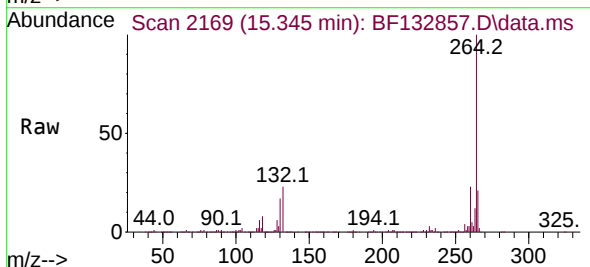
Manual Integrations
APPROVED

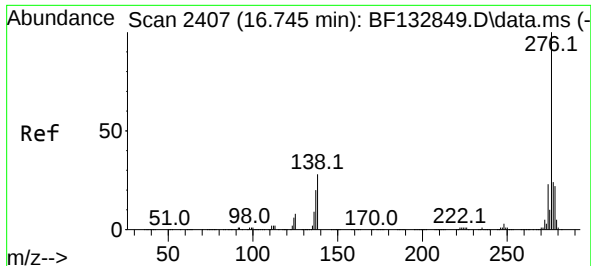
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.345 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

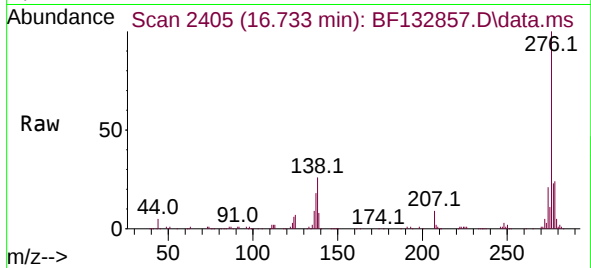
Tgt Ion:264 Resp: 533925
Ion Ratio Lower Upper
264 100
260 23.3 18.2 27.4
265 21.1 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.465 ng
RT: 16.733 min Scan# 2405
Delta R.T. -0.012 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

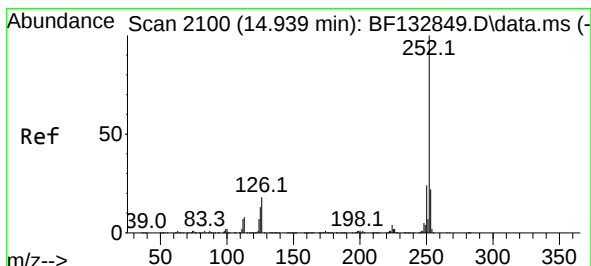
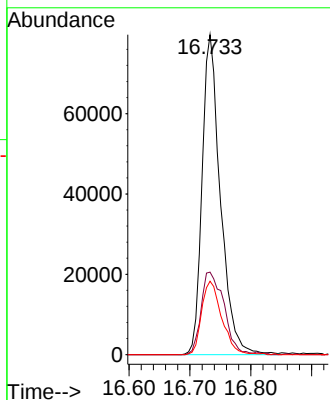
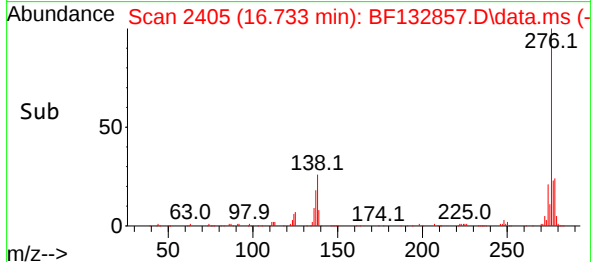
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 276 Resp: 166453
Ion Ratio Lower Upper
276 100
138 32.0 27.0 40.6
277 25.2 20.1 30.1

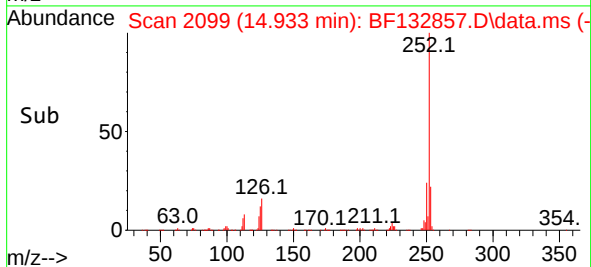
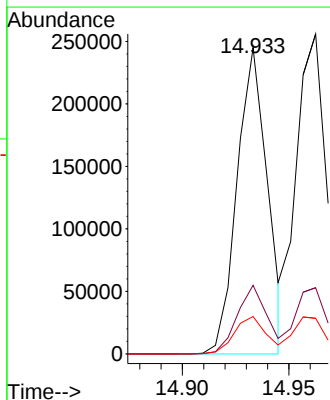
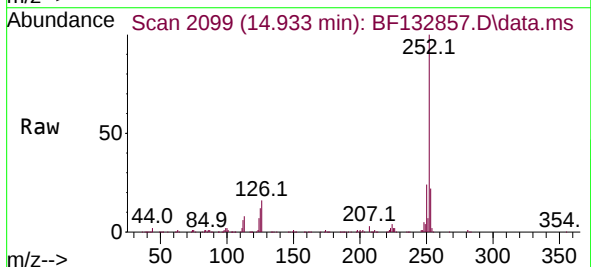
Manual Integrations
APPROVED

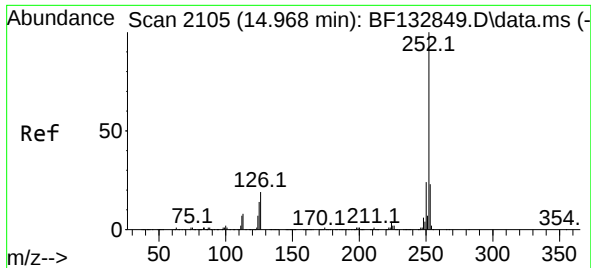
Reviewed By : Christian Giraldo 04/12/2023
Supervised By : Jagrut Upadhyay 04/12/2023



#88
Benzo(b)fluoranthene
Concen: 7.045 ng
RT: 14.933 min Scan# 2099
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

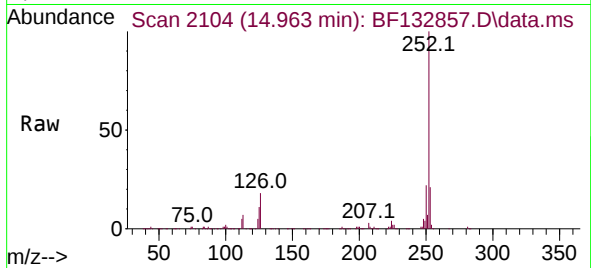
Tgt Ion: 252 Resp: 242771
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 12.2 10.2 15.2





#89
Benzo(k)fluoranthene
Concen: 7.350 ng
RT: 14.963 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

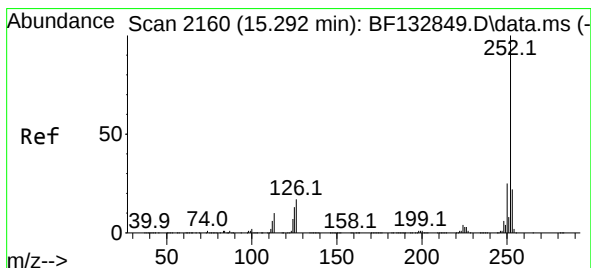
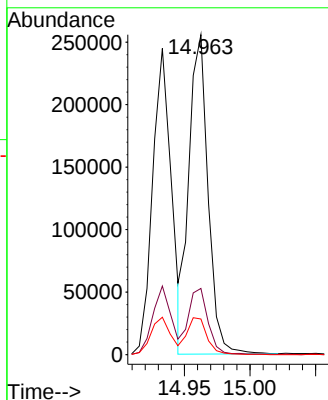
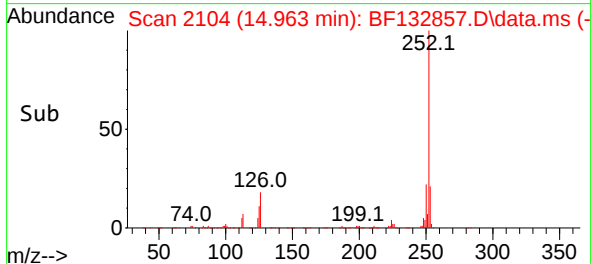
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:252 Resp: 260153
Ion Ratio Lower Upper
252 100
253 20.7 18.1 27.1
125 11.1 10.5 15.7

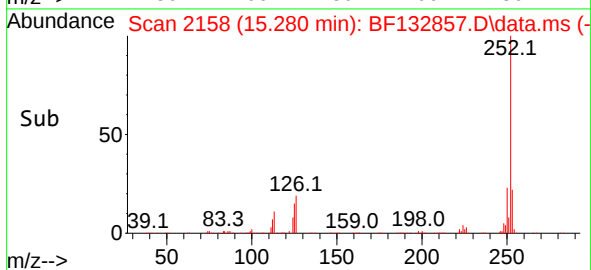
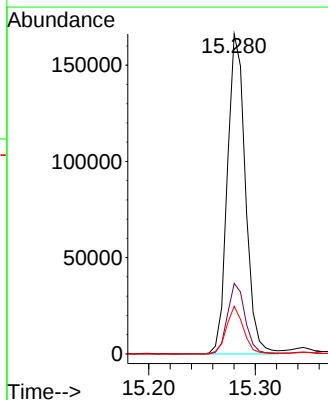
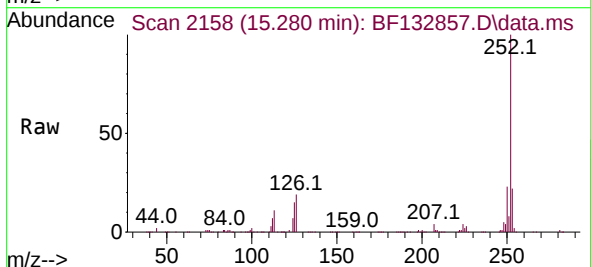
Manual Integrations
APPROVED

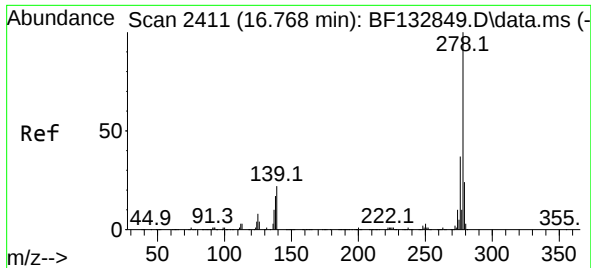
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#90
Benzo(a)pyrene
Concen: 6.335 ng
RT: 15.280 min Scan# 2158
Delta R.T. -0.012 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

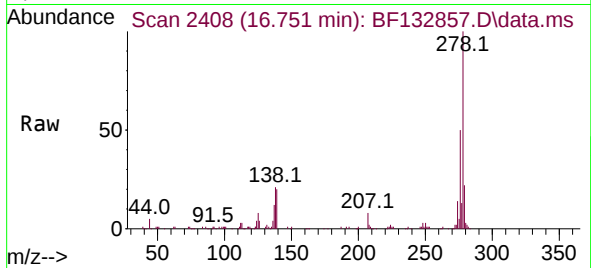
Tgt Ion:252 Resp: 195785
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 14.9 10.5 15.7





#91
Dibenzo(a,h)anthracene
Concen: 5.518 ng
RT: 16.751 min Scan# 2411
Delta R.T. -0.017 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12

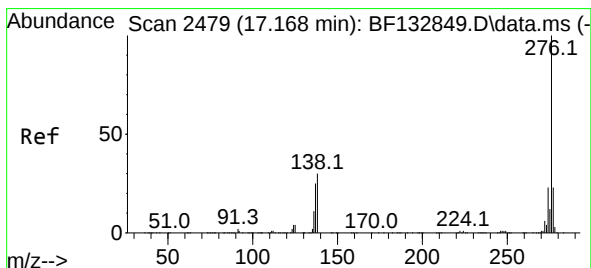
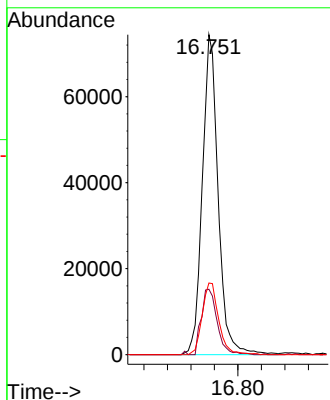
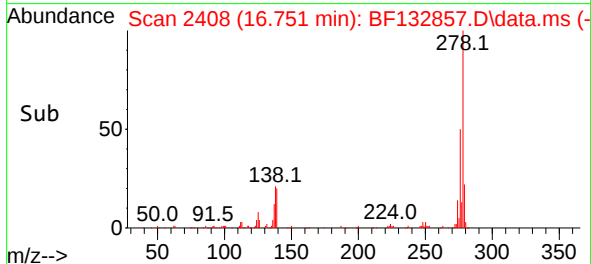
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



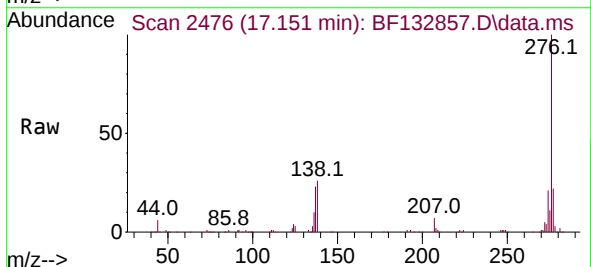
Tgt Ion: 278 Resp: 139117
Ion Ratio Lower Upper
278 100
139 20.4 17.4 26.0
279 22.4 19.0 28.6

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 04/12/2023
Supervised By : Jagrut Upadhyay 04/12/2023



#92
Benzo(g,h,i)perylene
Concen: 5.253 ng
RT: 17.151 min Scan# 2476
Delta R.T. -0.017 min
Lab File: BF132857.D
Acq: 11 Apr 2023 19:12



Tgt Ion: 276 Resp: 134888
Ion Ratio Lower Upper
276 100
277 22.1 18.6 28.0
138 25.6 23.8 35.6

