

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
 Data File : BF139068.D
 Acq On : 19 Aug 2024 11:16
 Operator : RC/JU
 Sample : P3390-03
 Misc : MDL-MDL-SOIL-4PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

Quant Time: Aug 19 11:41:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
 Supervised By :mohammad ahmed 08/21/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	44641	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	189652	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	109646	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	199224	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	107712	20.000	ng	# 0.00
86) Perylene-d12	15.469	264	97675	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	385525	133.312	ng	0.00
7) Phenol-d6	6.487	99	519925	133.909	ng	0.00
23) Nitrobenzene-d5	7.404	82	347600	89.610	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	123099	137.059	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	639110	87.578	ng	-0.01
79) Terphenyl-d14	12.939	244	636926	99.003	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.581	88	4731	3.737	ng	# 88
3) Pyridine	3.469	79	8945m	2.917	ng	
4) n-Nitrosodimethylamine	3.328	42	7621	4.172	ng	# 78
6) Aniline	6.510	93	16615	4.798	ng	90
8) 2-Chlorophenol	6.628	128	13155	4.324	ng	88
9) Benzaldehyde	6.404	77	11462	4.925	ng	97
10) Phenol	6.498	94	17722	4.335	ng	# 44
11) bis(2-Chloroethyl)ether	6.575	93	13439m	4.272	ng	
12) 1,3-Dichlorobenzene	6.775	146	13384	3.930	ng	92
13) 1,4-Dichlorobenzene	6.851	146	14098	4.102	ng	95
14) 1,2-Dichlorobenzene	7.004	146	14238	4.432	ng	94
15) Benzyl Alcohol	6.993	79	11827	4.226	ng	# 63
16) 2,2'-oxybis(1-Chloropr...	7.104	45	24382	4.504	ng	57
17) 2-Methylphenol	7.110	107	10681	4.251	ng	# 74
18) Hexachloroethane	7.340	117	5601	4.329	ng	98
19) n-Nitroso-di-n-propyla...	7.245	70	10313	4.398	ng	89
20) 3+4-Methylphenols	7.275	107	13424	4.164	ng	# 52
22) Acetophenone	7.251	105	20363	4.385	ng	# 93
24) Nitrobenzene	7.422	77	17707	4.486	ng	95
25) Isophorone	7.657	82	29066	4.388	ng	96
26) 2-Nitrophenol	7.745	139	6187	3.643	ng	# 80
27) 2,4-Dimethylphenol	7.787	122	6879	3.386	ng	91
28) bis(2-Chloroethoxy)met...	7.869	93	16099	3.991	ng	98
29) 2,4-Dichlorophenol	8.010	162	9886	3.786	ng	93
30) 1,2,4-Trichlorobenzene	8.063	180	11916	3.955	ng	94
31) Naphthalene	8.140	128	40973	4.104	ng	99
32) Benzoic acid	7.957	122	1294m	0.810	ng	
33) 4-Chloroaniline	8.204	127	14616	4.362	ng	97
34) Hexachlorobutadiene	8.245	225	7554	4.139	ng	95
35) Caprolactam	8.545	113	2793	3.585	ng	# 88
36) 4-Chloro-3-methylphenol	8.692	107	11845	3.970	ng	96
37) 2-Methylnaphthalene	8.828	142	25571	4.056	ng	95
38) 1-Methylnaphthalene	8.928	142	25419	4.114	ng	98
40) 1,2,4,5-Tetrachloroben...	8.992	216	12138	3.985	ng	98
43) 2,4,6-Trichlorophenol	9.122	196	6372	3.431	ng	98
44) 2,4,5-Trichlorophenol	9.181	196	6928	3.413	ng	# 77

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Manual Integrations
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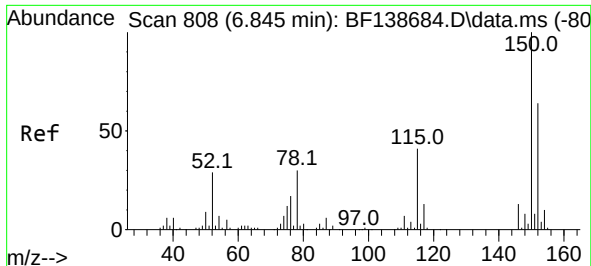
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.292	154	35584	4.144	ng	98
47) 2-Chloronaphthalene	9.316	162	24784	3.881	ng	99
48) 2-Nitroaniline	9.428	65	8367	3.864	ng	97
49) Acenaphthylene	9.734	152	39297	4.338	ng	99
50) Dimethylphthalate	9.587	163	30526	4.354	ng	100
51) 2,6-Dinitrotoluene	9.657	165	6634	4.193	ng	# 79
52) Acenaphthene	9.898	154	25289	4.153	ng	98
53) 3-Nitroaniline	9.839	138	6140	3.754	ng	89
54) 2,4-Dinitrophenol	10.004	184	108	0.148	ng	# 16
55) Dibenzofuran	10.075	168	37158	4.323	ng	96
57) 2,4-Dinitrotoluene	10.075	165	8148	4.036	ng	# 64
58) Fluorene	10.416	166	29288	4.279	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.210	232	5310	3.421	ng	# 93
60) Diethylphthalate	10.286	149	30782	4.631	ng	97
61) 4-Chlorophenyl-phenyle...	10.404	204	14863	4.415	ng	95
62) 4-Nitroaniline	10.457	138	5301	3.410	ng	89
63) Azobenzene	10.569	77	32047	4.347	ng	96
65) 4,6-Dinitro-2-methylph...	10.498	198	2267	1.865	ng	# 81
66) n-Nitrosodiphenylamine	10.528	169	23993	3.853	ng	96
67) 4-Bromophenyl-phenylether	10.898	248	8323	3.859	ng	97
68) Hexachlorobenzene	10.963	284	8579	3.852	ng	# 91
69) Atrazine	11.051	200	8212	5.111	ng	96
70) Pentachlorophenol	11.204	266	305	0.304	ng	# 20
71) Phenanthrene	11.381	178	41787	4.073	ng	98
72) Anthracene	11.433	178	41405	4.097	ng	98
73) Carbazole	11.598	167	34657	3.975	ng	99
74) Di-n-butylphthalate	11.910	149	44952	4.586	ng	99
75) Fluoranthene	12.575	202	41283	4.311	ng	97
77) Benzidine	12.704	184	5554	2.156	ng	99
78) Pyrene	12.804	202	40843	4.027	ng	98
80) Butylbenzylphthalate	13.410	149	14637	4.507	ng	99
81) Benzo(a)anthracene	13.992	228	31573	4.257	ng	98
82) 3,3'-Dichlorobenzidine	13.957	252	7635	4.022	ng	# 98
83) Chrysene	14.027	228	26443	3.952	ng	97
84) Bis(2-ethylhexyl)phtha...	13.963	149	18247	3.837	ng	# 98
85) Di-n-octyl phthalate	14.574	149	23445	2.665	ng	99
87) Indeno(1,2,3-cd)pyrene	16.963	276	23810	3.402	ng	94
88) Benzo(b)fluoranthene	15.045	252	25875m	4.273	ng	
89) Benzo(k)fluoranthene	15.074	252	19255	3.673	ng	98
90) Benzo(a)pyrene	15.410	252	21294	4.181	ng	98
91) Dibenzo(a,h)anthracene	16.968	278	18894	3.288	ng	95
92) Benzo(g,h,i)perylene	17.415	276	19197	3.220	ng	96

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

Manual Integrations

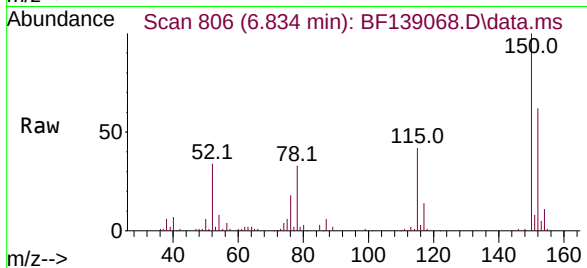
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

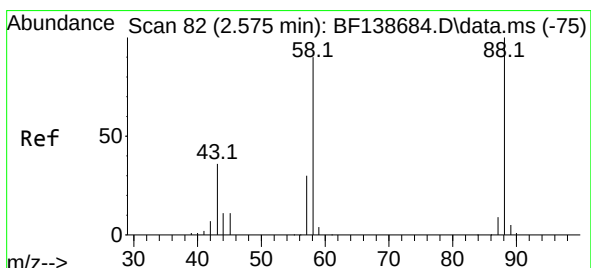
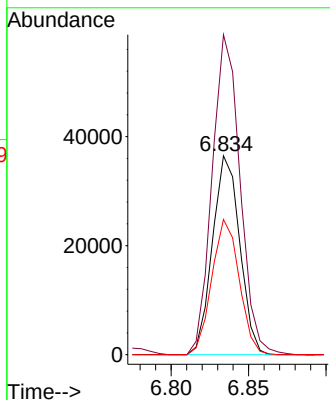
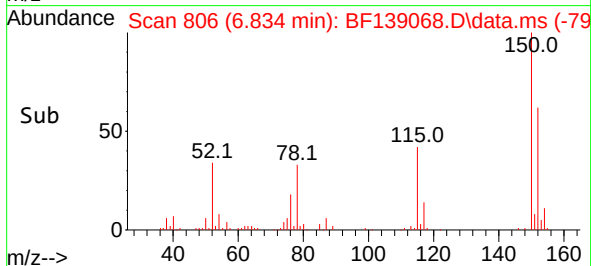
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:152 Resp: 4464
Ion Ratio Lower Upper
152 100
150 160.9 126.0 189.0
115 68.0 51.7 77.5

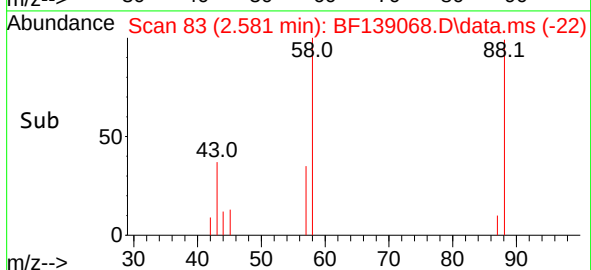
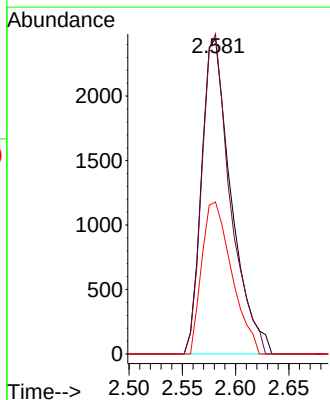
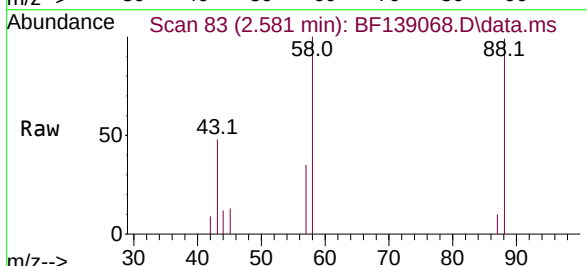
Manual Integrations
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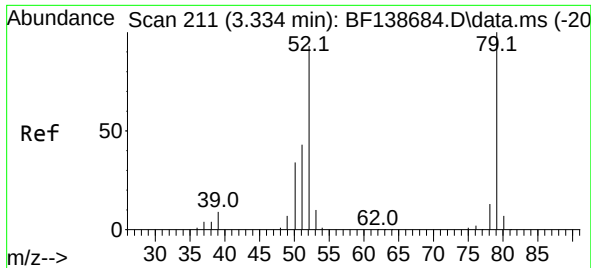
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#2
1,4-Dioxane
Concen: 3.737 ng
RT: 2.581 min Scan# 83
Delta R.T. 0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

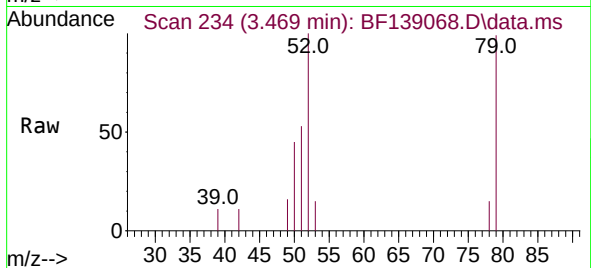
Tgt Ion: 88 Resp: 4731
Ion Ratio Lower Upper
88 100
58 96.8 71.6 107.4
43 48.7 28.7 43.1#





#3
Pyridine
Concen: 2.917 ng m
RT: 3.469 min Scan# 211
Delta R.T. 0.135 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

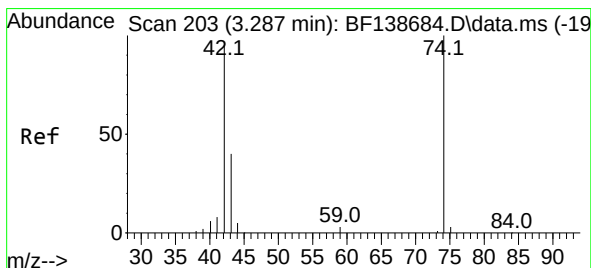
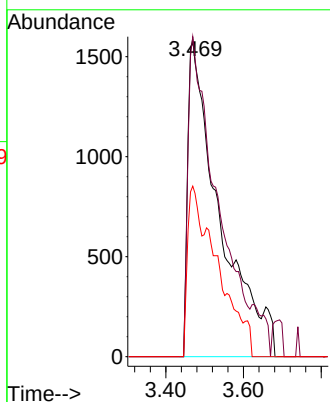
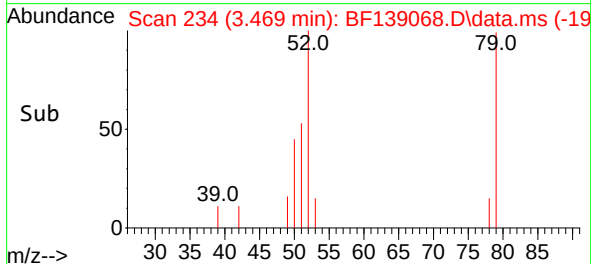
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ClientSampleId :
MDL-SOIL-03-QT3-2024



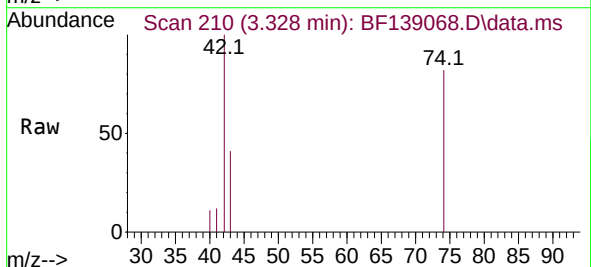
Tgt Ion: 79 Resp: 894
Ion Ratio Lower Upper
79 100
52 100.6 74.7 112.1
51 53.6 34.6 51.8

Manual Integrations
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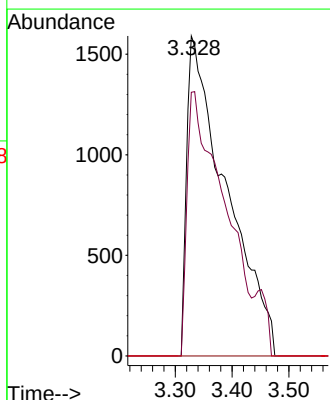
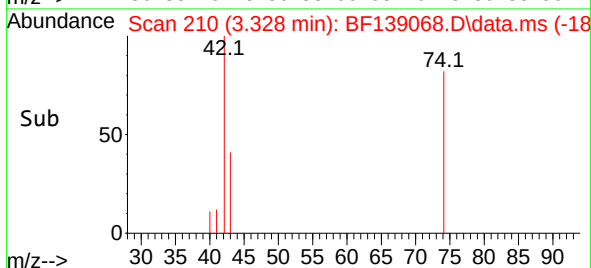
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Supervised By :mohammad ahmed 08/21/2024

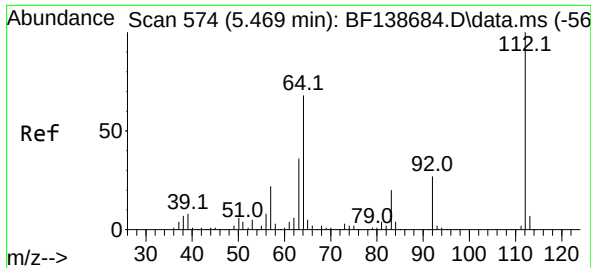


#4
n-Nitrosodimethylamine
Concen: 4.172 ng
RT: 3.328 min Scan# 210
Delta R.T. 0.041 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



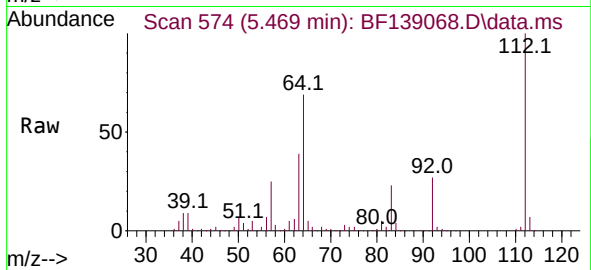
Tgt Ion: 42 Resp: 7621
Ion Ratio Lower Upper
42 100
74 82.4 84.2 126.4#
44 0.0 4.9 7.3#





#5
2-Fluorophenol
Concen: 133.312 ng
RT: 5.469 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

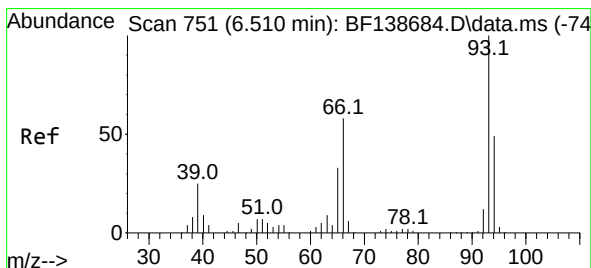
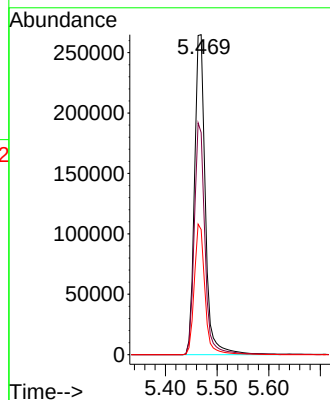
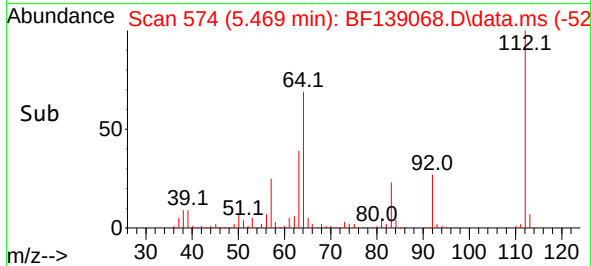
Instrument :
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Tgt Ion:112 Resp: 38552
Ion Ratio Lower Upper
112 100
64 69.4 54.2 81.4
63 39.1 28.7 43.1

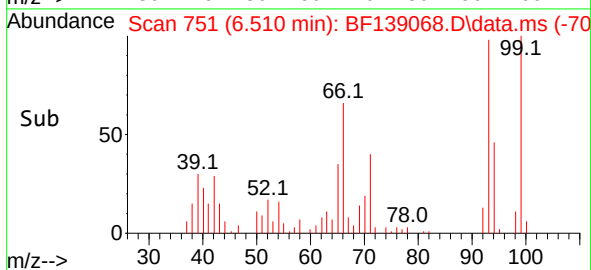
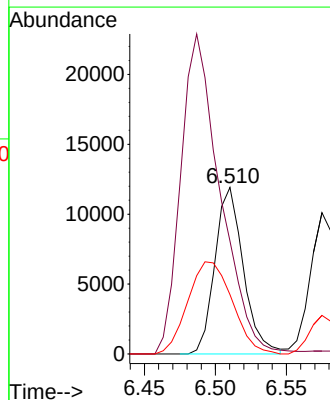
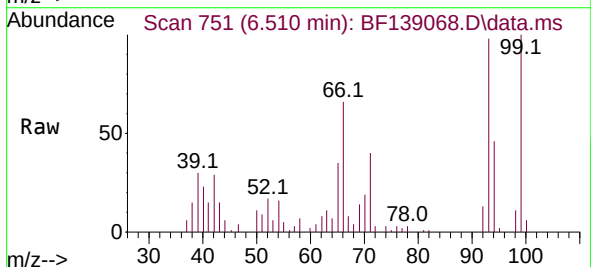
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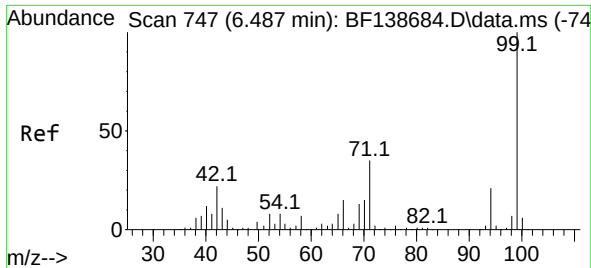
Reviewed By :Jagrut Upadhyay 08/20/2024
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#6
Aniline
Concen: 4.798 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

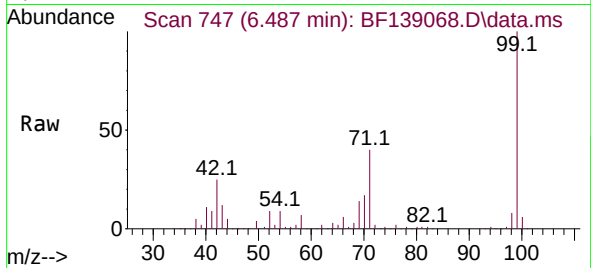
Tgt Ion: 93 Resp: 16615
Ion Ratio Lower Upper
93 100
66 67.8 46.9 70.3
65 35.7 26.5 39.7





#7
Phenol-d6
Concen: 133.909 ng
RT: 6.487 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

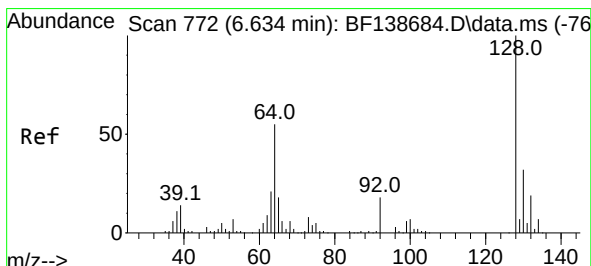
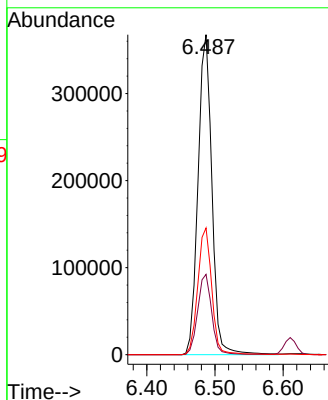
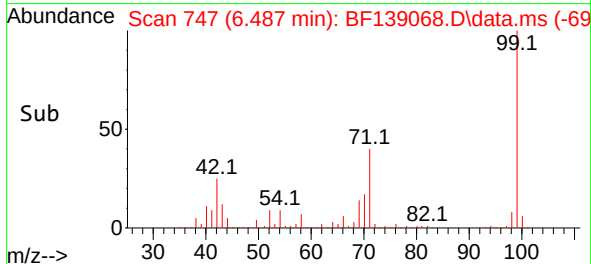
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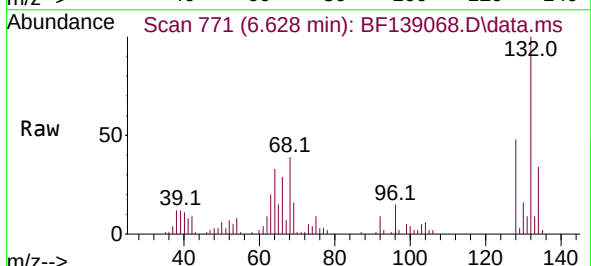
Tgt Ion: 99 Resp: 519925
Ion Ratio Lower Upper
99 100
42 25.1 17.4 26.0
71 39.6 28.1 42.1

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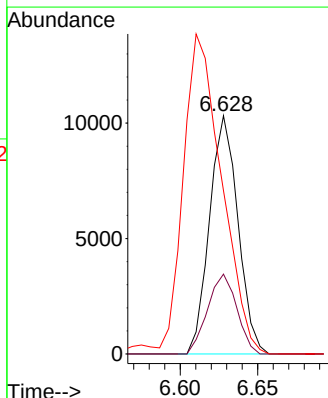
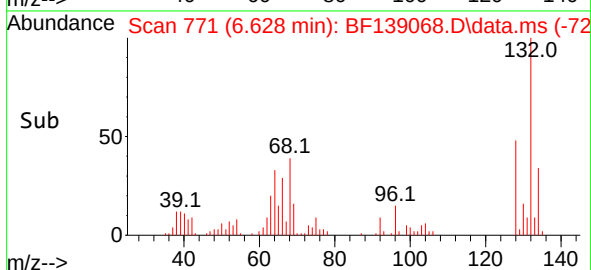
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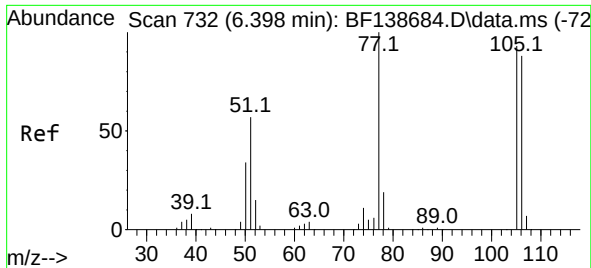


#8
2-Chlorophenol
Concen: 4.324 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



Tgt Ion:128 Resp: 13155
Ion Ratio Lower Upper
128 100
130 33.5 12.0 52.0
64 68.6 36.3 76.3





#9

Benzaldehyde

Concen: 4.925 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

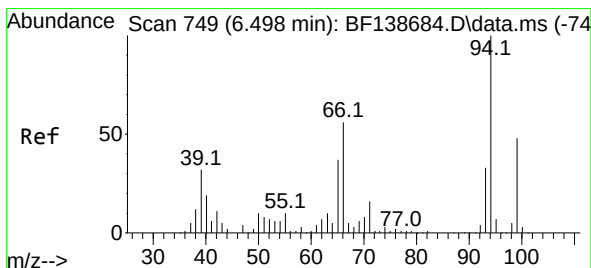
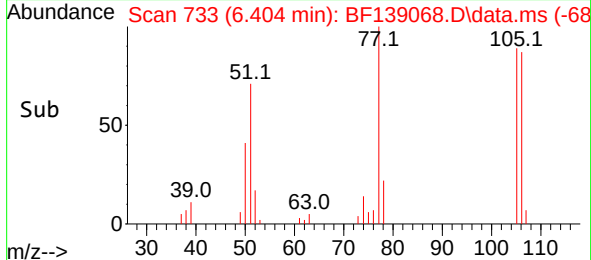
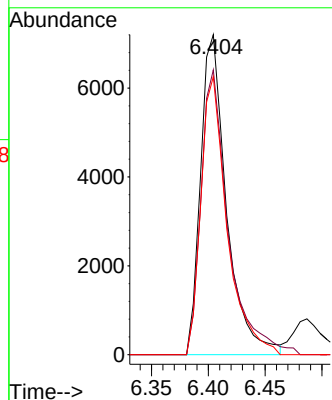
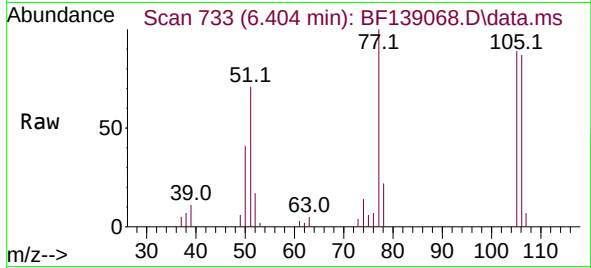
MDL-SOIL-03-QT3-2024

Tgt Ion: 77	Resp: 11462
Ion Ratio	Lower Upper
77 100	
105 89.0	72.9 112.9
106 86.8	68.4 108.4

Manual Integrations

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Supervised By :mohammad ahmed 08/21/2024



#10

Phenol

Concen: 4.335 ng

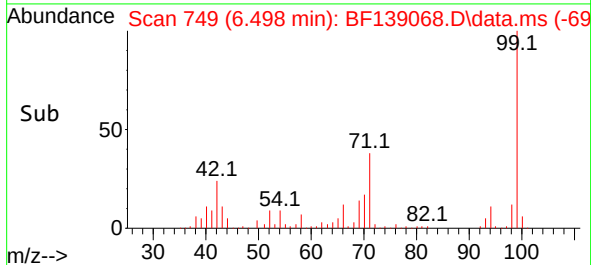
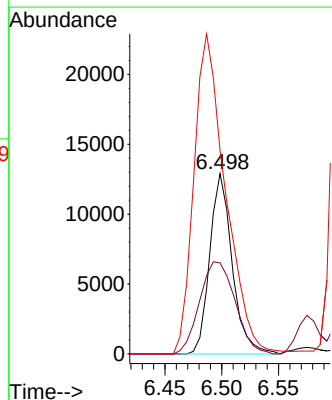
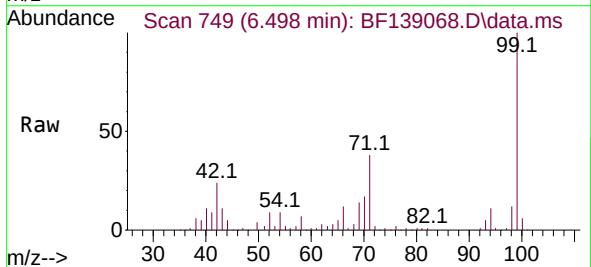
RT: 6.498 min Scan# 749

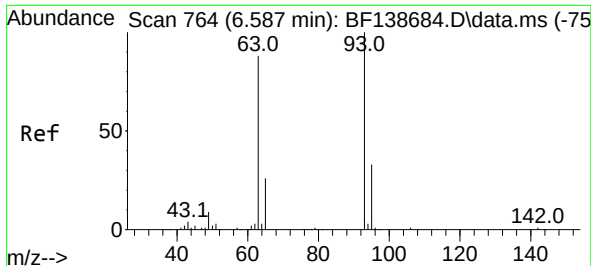
Delta R.T. 0.000 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Tgt Ion: 94	Resp: 17722
Ion Ratio	Lower Upper
94 100	
65 50.5	16.9 56.9
66 112.8	36.5 76.5





#11

bis(2-Chloroethyl)ether

Concen: 4.272 ng m

RT: 6.575 min Scan# 762

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

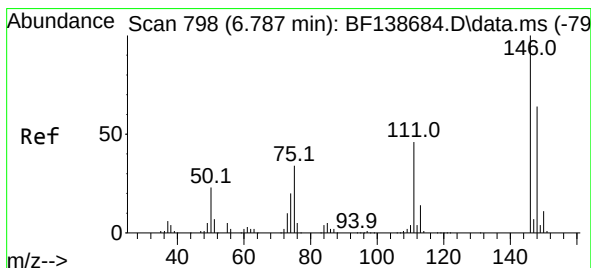
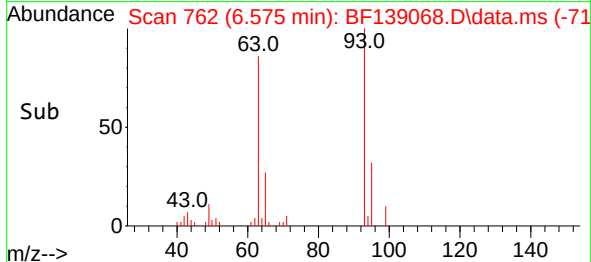
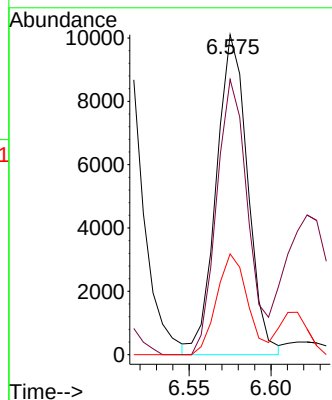
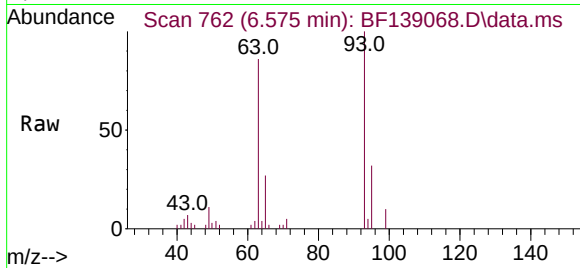
MDL-SOIL-03-QT3-2024

Tgt Ion: 93	Resp: 13439
Ion Ratio	Lower Upper
93	100
63	86.0 65.3 105.3
95	31.5 12.4 52.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#12

1,3-Dichlorobenzene

Concen: 3.930 ng

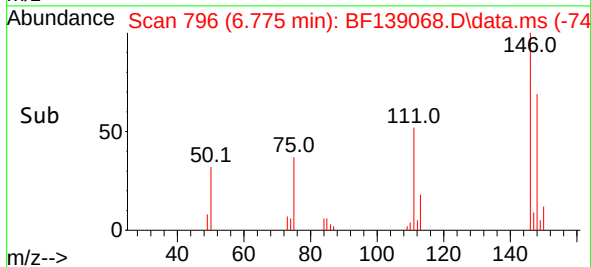
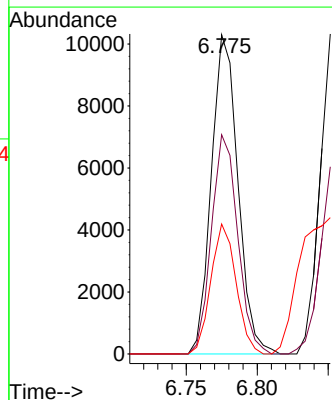
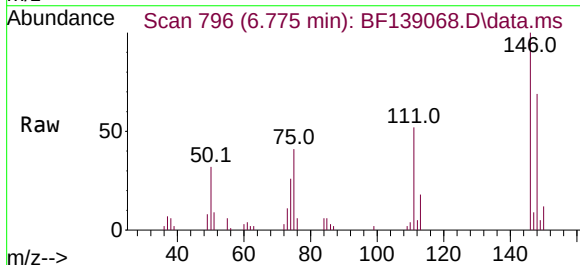
RT: 6.775 min Scan# 796

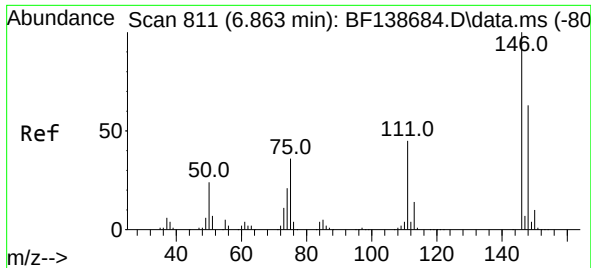
Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Tgt Ion:146	Resp: 13384
Ion Ratio	Lower Upper
146	100
148	68.7 51.2 76.8
75	40.7 27.4 41.2





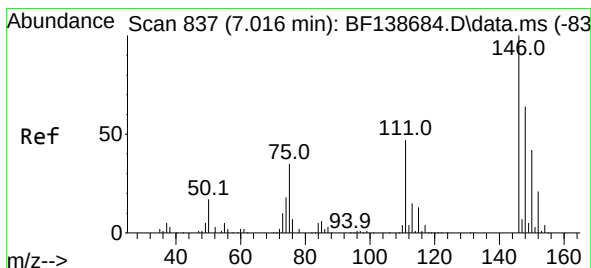
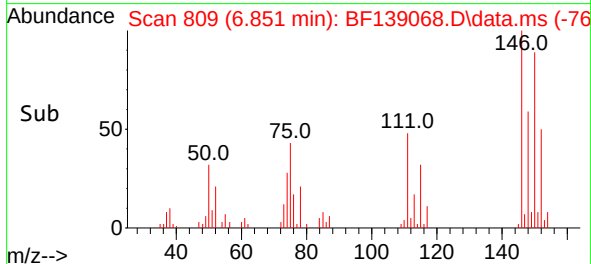
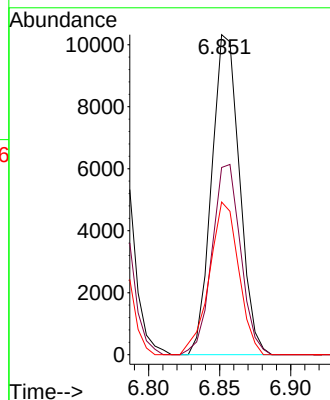
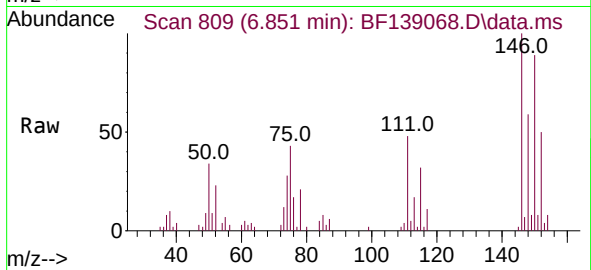
#13
1,4-Dichlorobenzene
Concen: 4.102 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

Tgt Ion:146 Resp: 14098
Ion Ratio Lower Upper
146 100
148 58.5 50.2 75.2
111 47.7 35.9 53.9

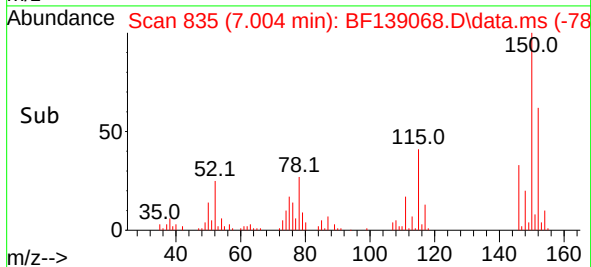
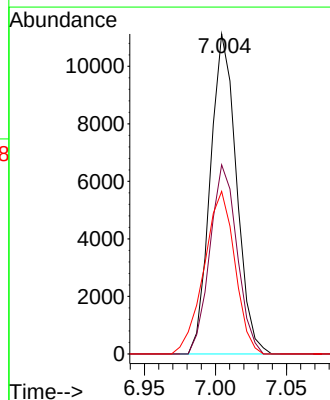
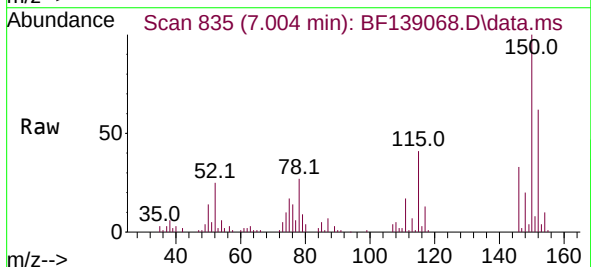
Manual Integrations
APPROVED

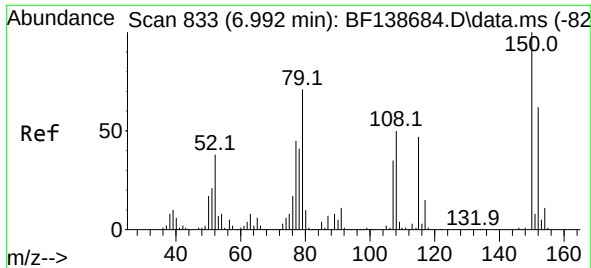
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#14
1,2-Dichlorobenzene
Concen: 4.432 ng
RT: 7.004 min Scan# 835
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

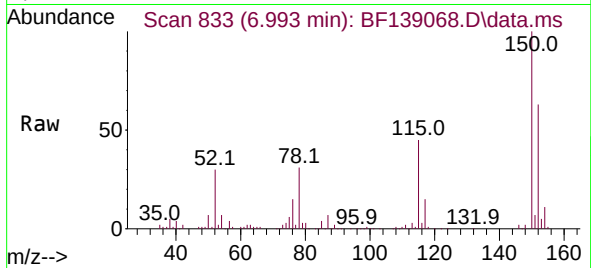
Tgt Ion:146 Resp: 14238
Ion Ratio Lower Upper
146 100
148 59.1 50.8 76.2
111 50.8 37.4 56.2





#15
Benzyl Alcohol
Concen: 4.226 ng
RT: 6.993 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

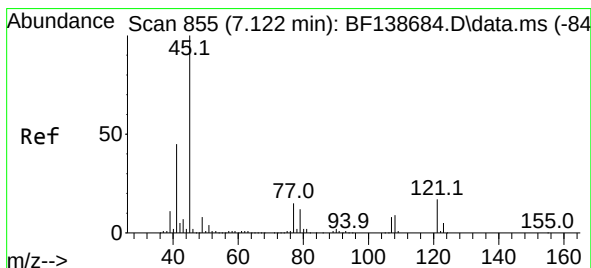
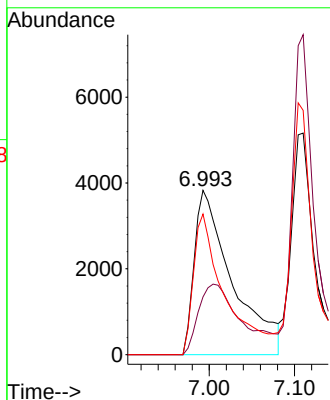
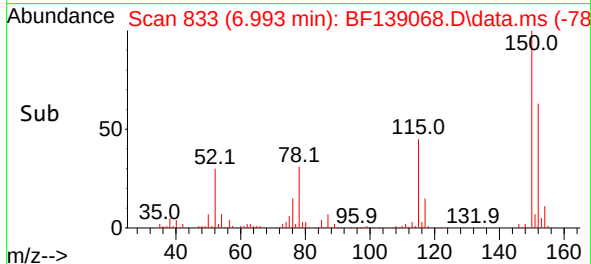
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion: 79 Resp: 1182
Ion Ratio Lower Upper
79 100
108 35.1 56.6 85.0
77 85.6 50.3 75.5

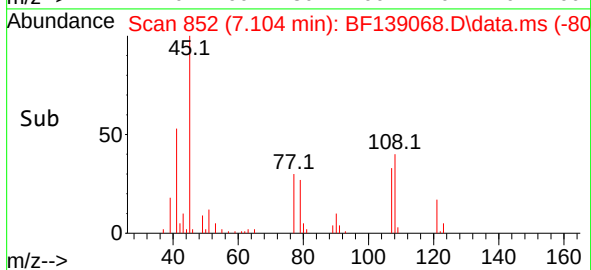
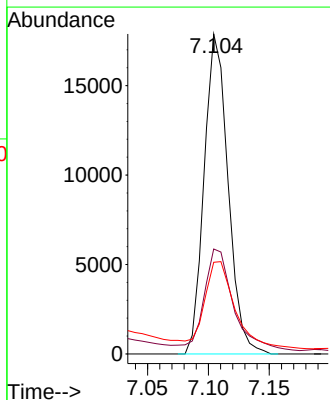
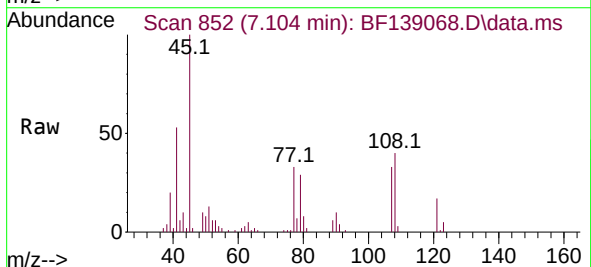
Manual Integrations
APPROVED

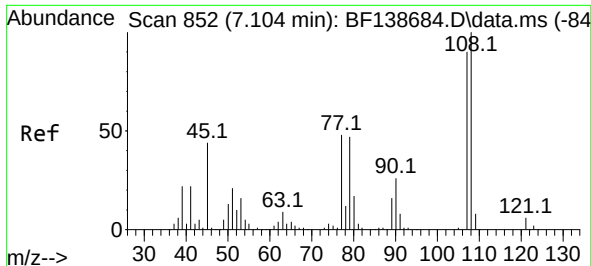
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.504 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.018 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

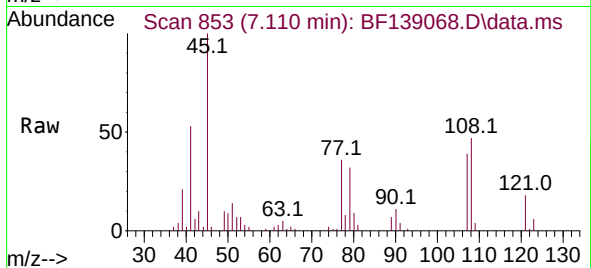
Tgt Ion: 45 Resp: 24382
Ion Ratio Lower Upper
45 100
77 32.8 0.0 34.9
79 28.6 0.0 32.2





#17
2-Methylphenol
Concen: 4.251 ng
RT: 7.110 min Scan# 811
Delta R.T. 0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

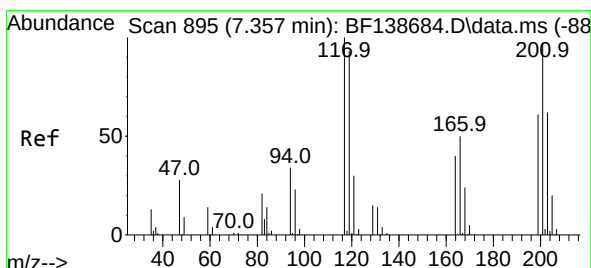
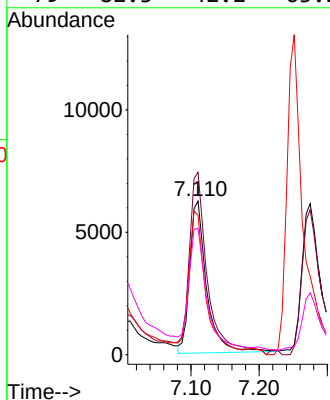
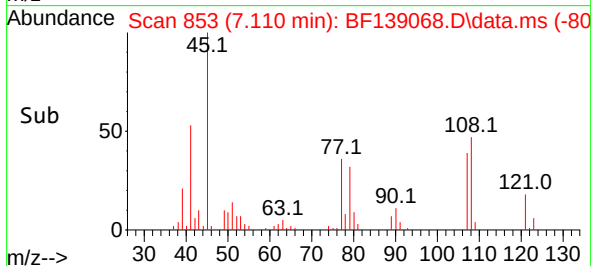
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:107 Resp: 1068
Ion Ratio Lower Upper
107 100
108 118.8 89.2 133.8
77 90.7 43.0 64.4
79 82.3 42.2 63.2#

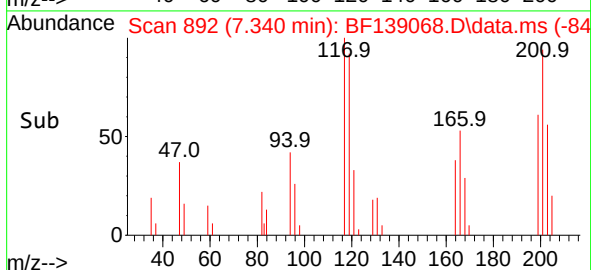
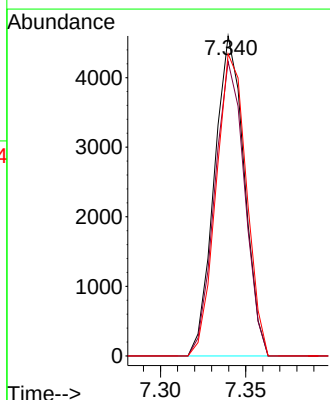
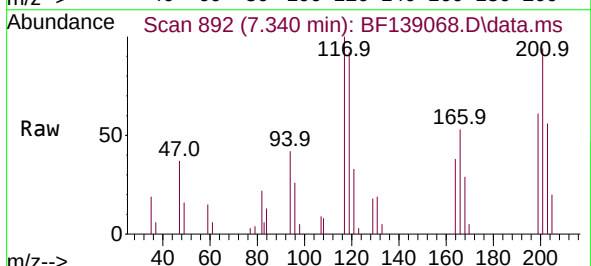
Manual Integrations
APPROVED

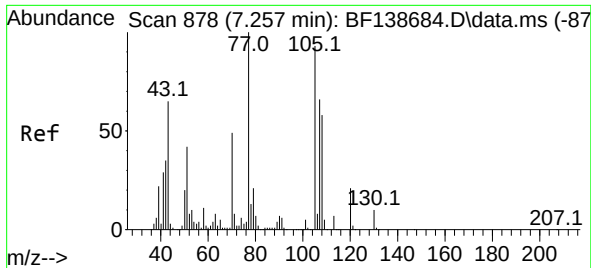
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#18
Hexachloroethane
Concen: 4.329 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

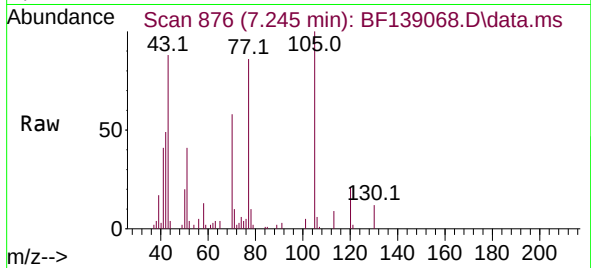
Tgt Ion:117 Resp: 5601
Ion Ratio Lower Upper
117 100
119 92.0 74.6 111.8
201 94.4 77.2 115.8





#19
n-Nitroso-di-n-propylamine
Concen: 4.398 ng
RT: 7.245 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

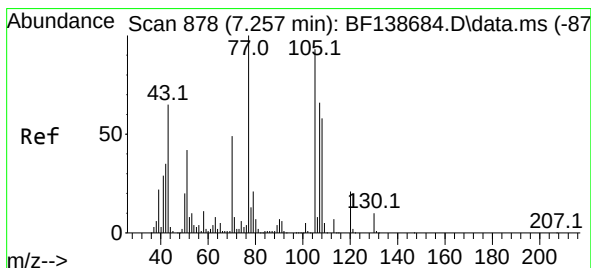
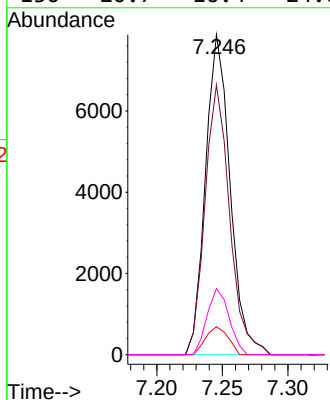
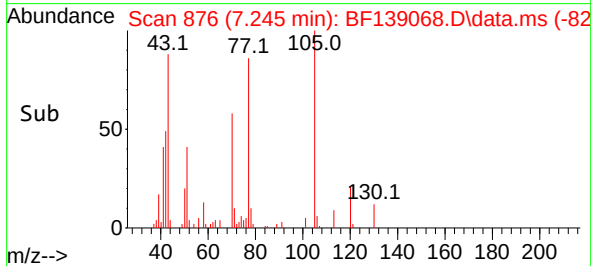
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



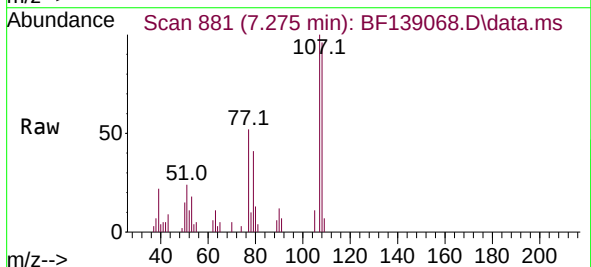
Tgt Ion	Ratio	Lower	Upper
70	100		
42	84.3	57.4	86.0
101	8.7	7.5	11.3
130	20.7	16.4	24.6

Manual Integrations
APPROVED

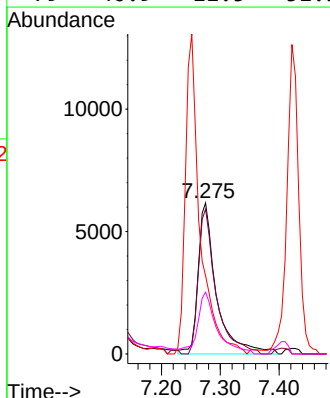
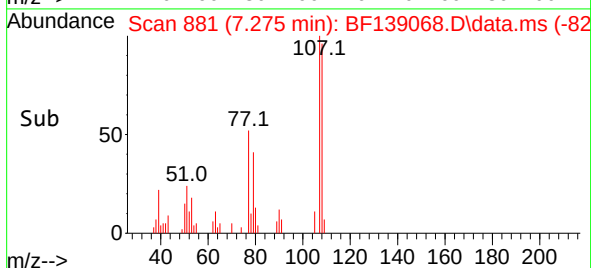
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

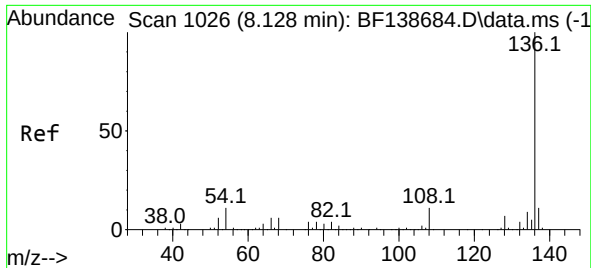


#20
3+4-Methylphenols
Concen: 4.164 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.018 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



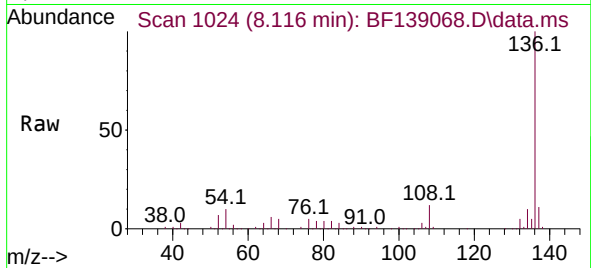
Tgt Ion	Ratio	Lower	Upper
107	100		
108	95.9	68.2	108.2
77	51.8	132.1	172.1#
79	40.9	11.5	51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

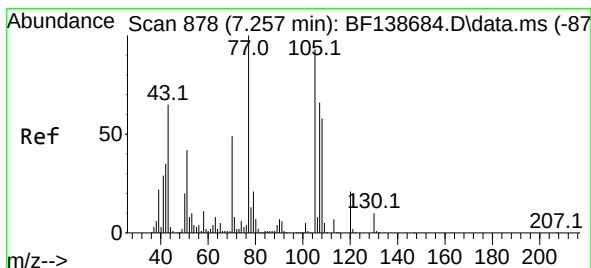
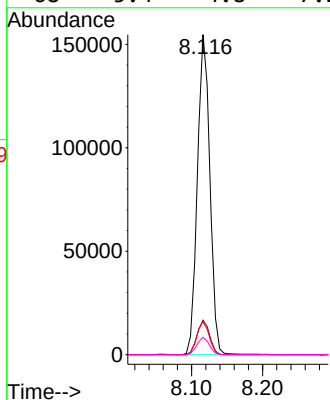
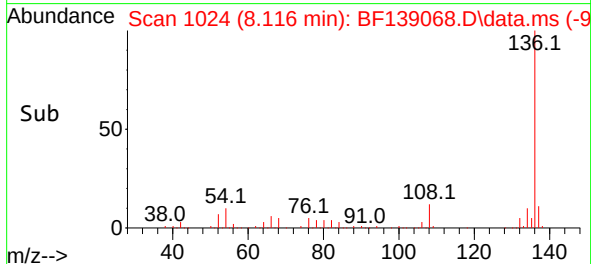
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



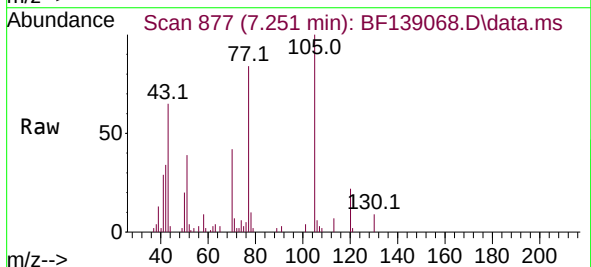
Tgt Ion:136 Resp: 189652
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 10.3 8.6 12.8
68 5.4 4.8 7.2

Manual Integrations
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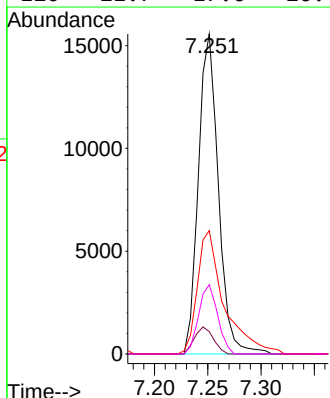
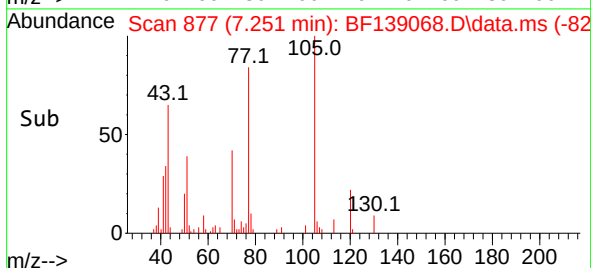
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

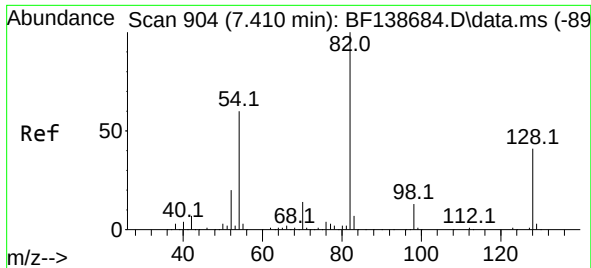


#22
Acetophenone
Concen: 4.385 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



Tgt Ion:105 Resp: 20363
Ion Ratio Lower Upper
105 100
71 7.0 7.2 10.8#
51 38.6 35.9 53.9
120 21.7 17.6 26.4





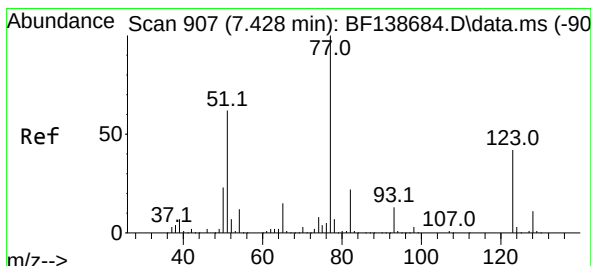
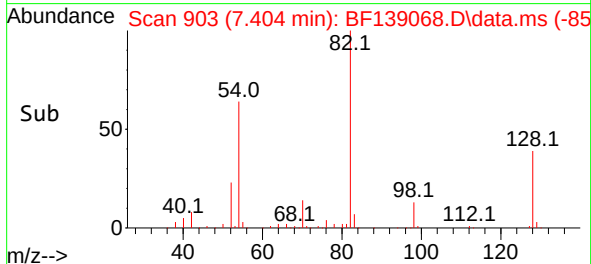
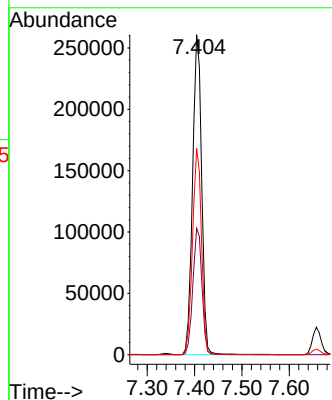
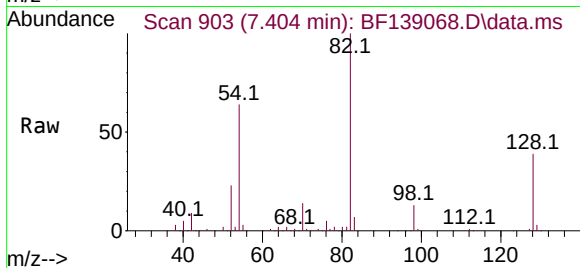
#23
Nitrobenzene-d5
Concen: 89.610 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

Tgt Ion: 82 Resp: 347600
Ion Ratio Lower Upper
82 100
128 39.5 32.8 49.2
54 64.5 48.3 72.5

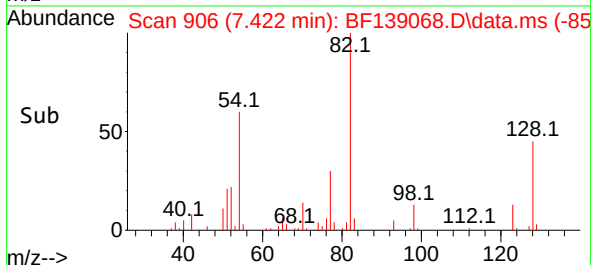
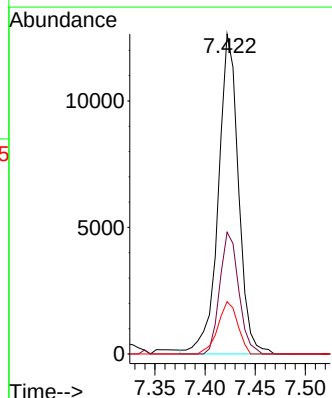
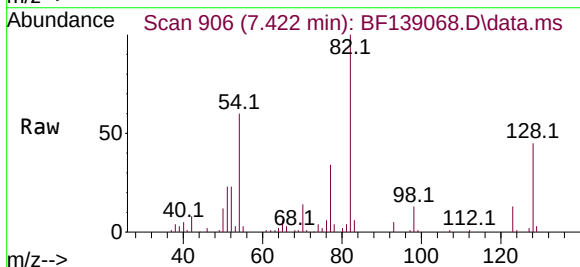
Manual Integrations
APPROVED

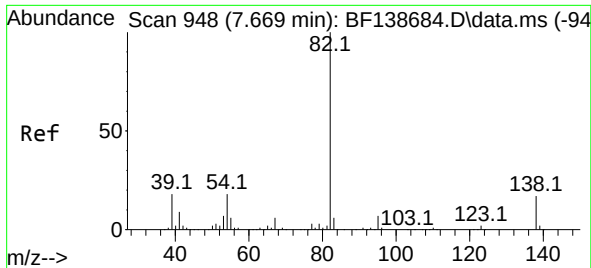
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#24
Nitrobenzene
Concen: 4.486 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion: 77 Resp: 17707
Ion Ratio Lower Upper
77 100
123 38.1 33.3 49.9
65 16.3 11.9 17.9





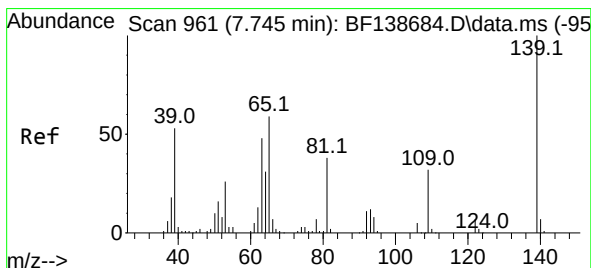
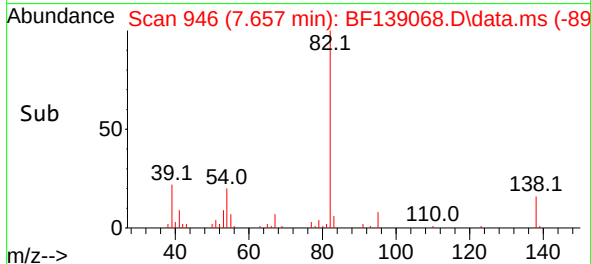
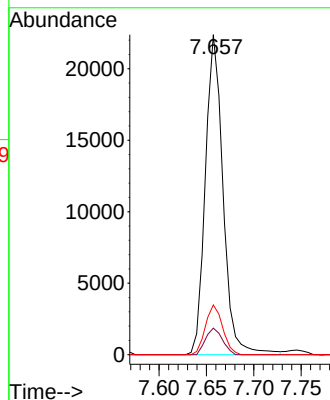
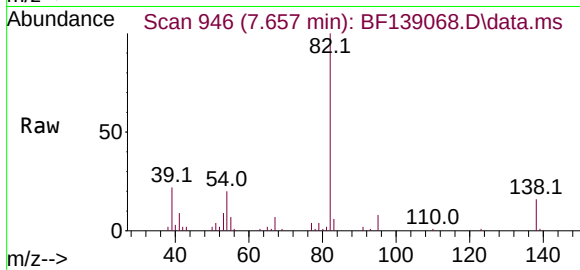
#25
Isophorone
Concen: 4.388 ng
RT: 7.657 min Scan# 946
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT3-2024

Tgt Ion: 82 Resp: 2906
Ion Ratio Lower Upper
82 100
95 8.3 5.7 8.5
138 15.6 13.7 20.5

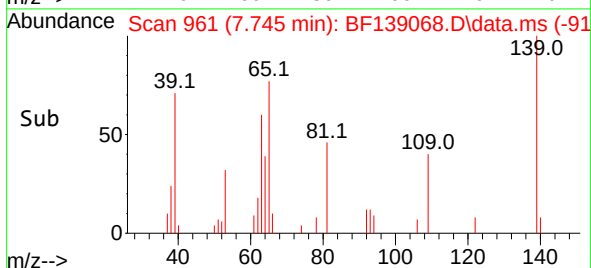
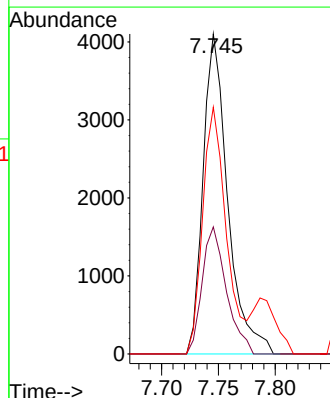
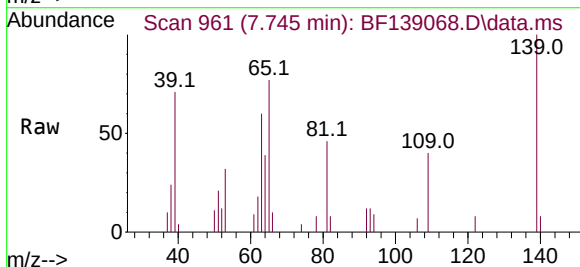
Manual Integrations
APPROVED

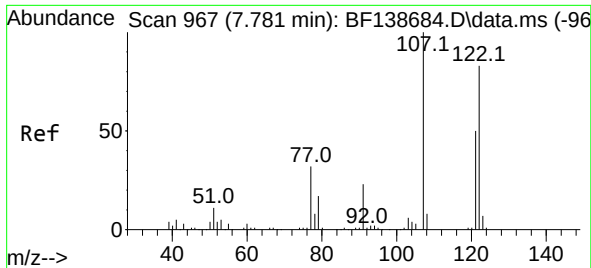
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#26
2-Nitrophenol
Concen: 3.643 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

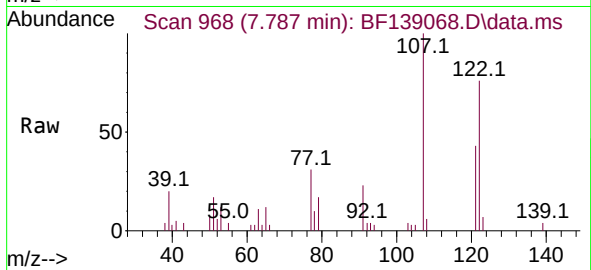
Tgt Ion:139 Resp: 6187
Ion Ratio Lower Upper
139 100
109 39.7 25.9 38.9#
65 77.1 47.0 70.6#





#27
2,4-Dimethylphenol
Concen: 3.386 ng
RT: 7.787 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

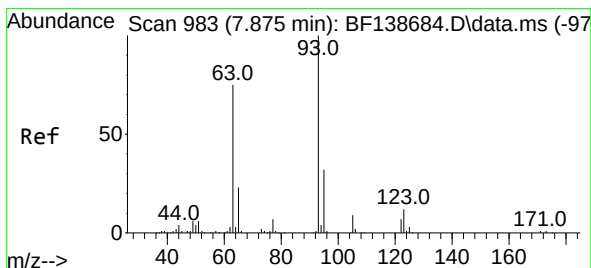
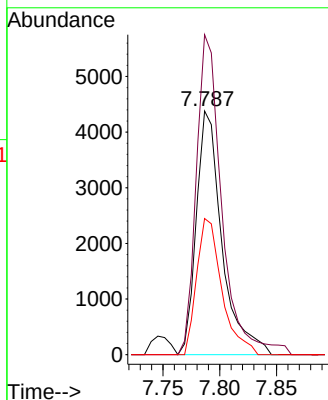
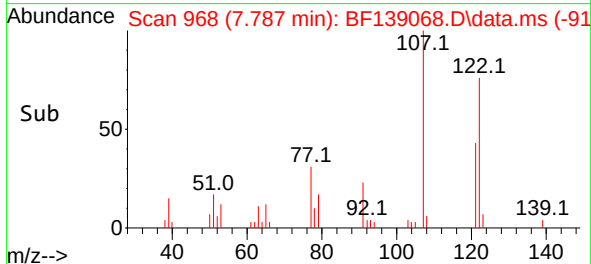
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:122 Resp: 6879
Ion Ratio Lower Upper
122 100
107 131.3 95.0 142.6
121 55.8 47.3 70.9

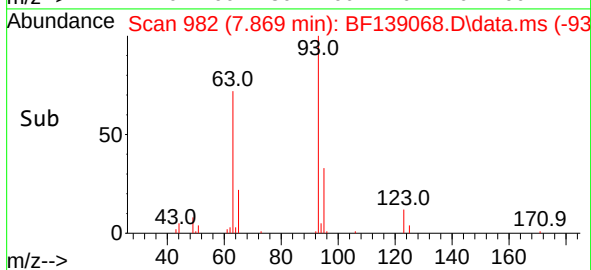
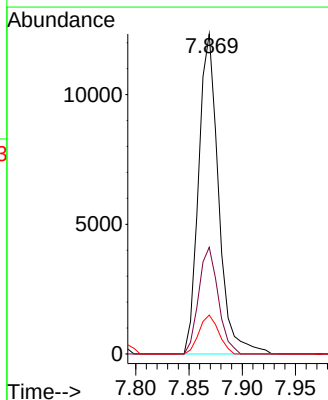
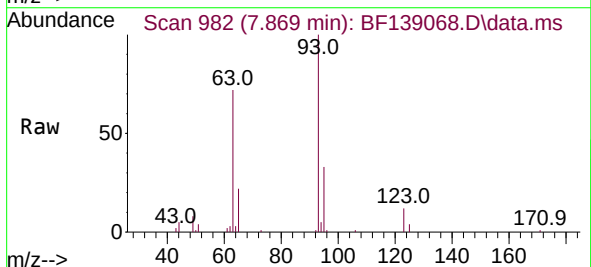
Manual Integrations
APPROVED

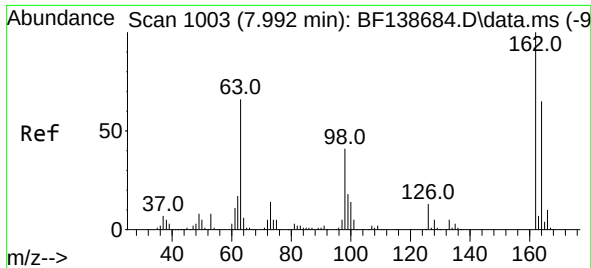
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#28
bis(2-Chloroethoxy)methane
Concen: 3.991 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion: 93 Resp: 16099
Ion Ratio Lower Upper
93 100
95 33.4 25.8 38.8
123 12.1 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 3.786 ng

RT: 8.010 min Scan# 1006

Delta R.T. 0.018 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

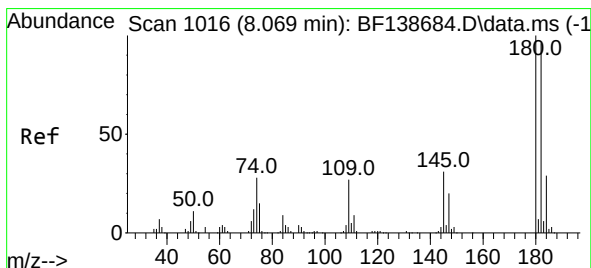
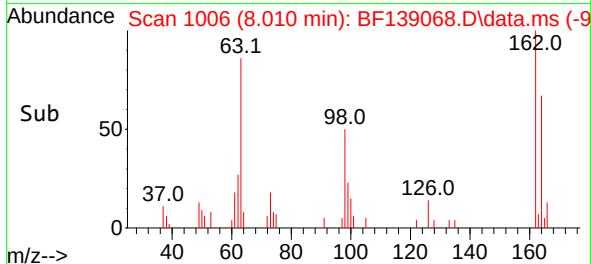
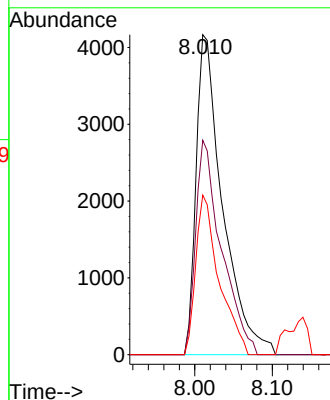
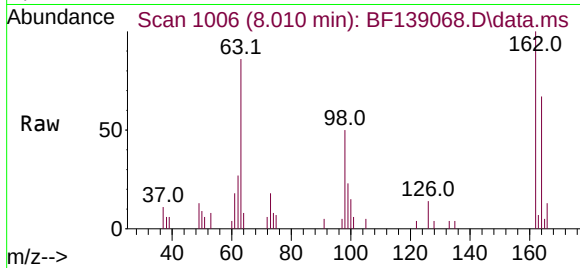
MDL-SOIL-03-QT3-2024

Tgt Ion:	162	Resp:	988
Ion Ratio	Lower	Upper	
162	100		
164	67.0	44.7	84.7
98	49.8	20.8	60.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#30

1,2,4-Trichlorobenzene

Concen: 3.955 ng

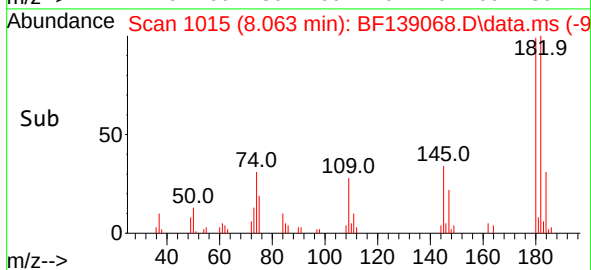
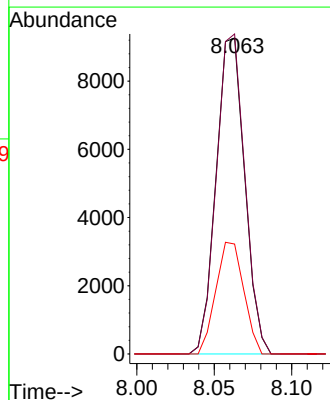
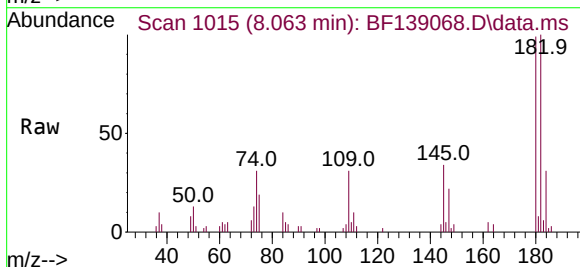
RT: 8.063 min Scan# 1015

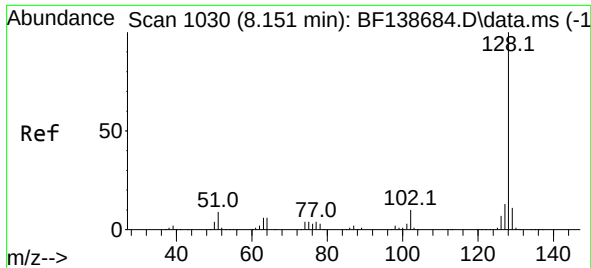
Delta R.T. -0.006 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

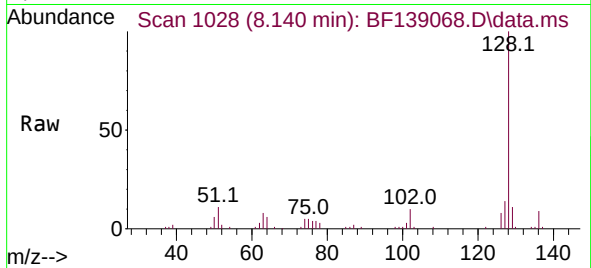
Tgt Ion:	180	Resp:	11916
Ion Ratio	Lower	Upper	
180	100		
182	101.3	76.9	115.3
145	34.8	25.0	37.4





#31
Naphthalene
Concen: 4.104 ng
RT: 8.140 min Scan# 1030
Delta R.T. -0.011 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

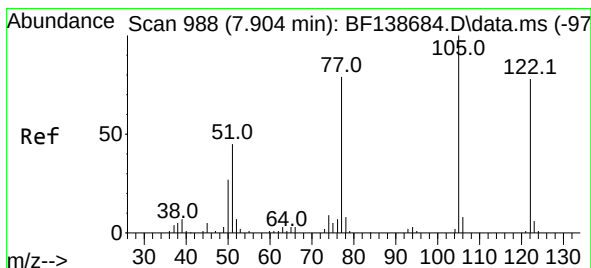
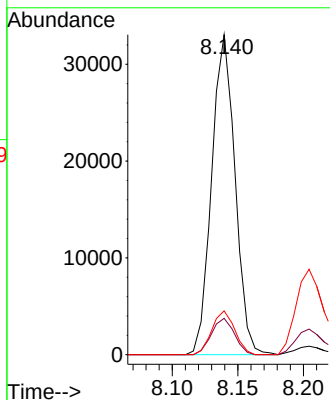
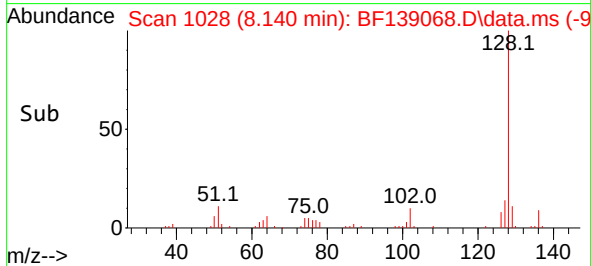
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:128 Resp: 4097
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.7 10.6 16.0

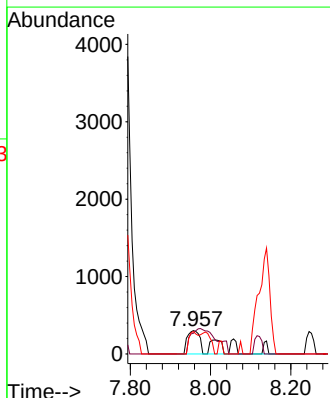
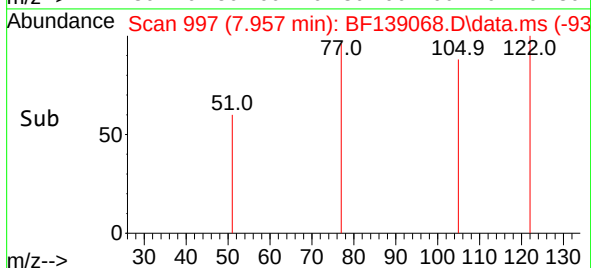
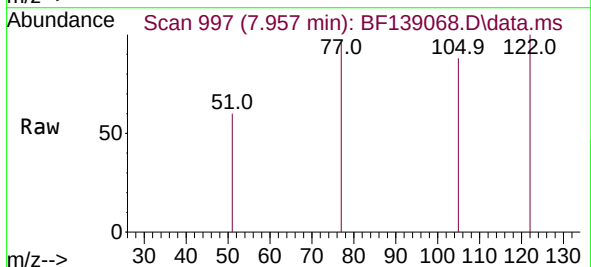
Manual Integrations
APPROVED

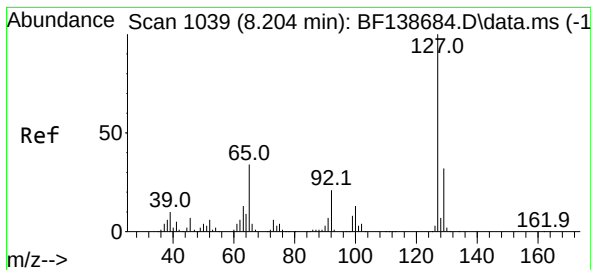
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#32
Benzoic acid
Concen: 0.810 ng m
RT: 7.957 min Scan# 997
Delta R.T. 0.053 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion:122 Resp: 1294
Ion Ratio Lower Upper
122 100
105 88.4 106.7 146.7#
77 96.3 81.1 121.1





#33

4-Chloroaniline

Concen: 4.362 ng

RT: 8.204 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

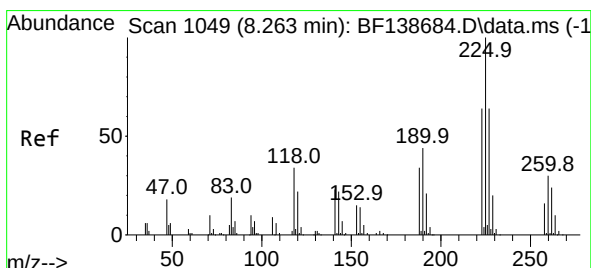
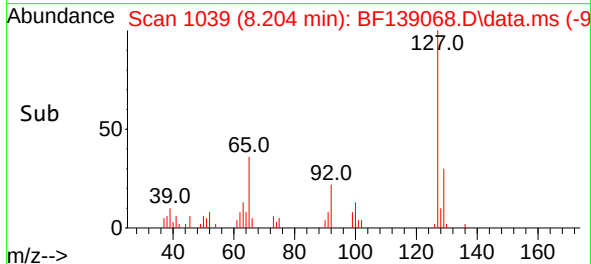
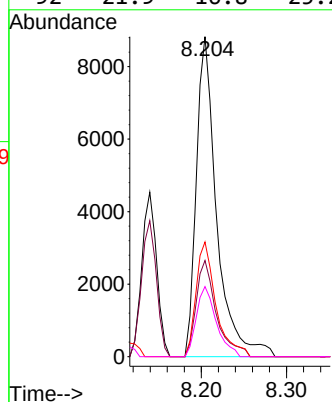
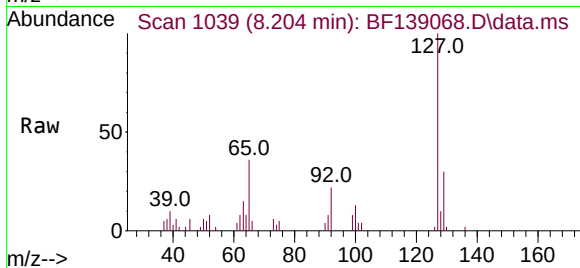
MDL-SOIL-03-QT3-2024

Tgt Ion:	127	Resp:	14610
Ion Ratio	Lower	Upper	
127	100		
129	30.0	25.9	38.9
65	35.9	27.6	41.4
92	21.9	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#34

Hexachlorobutadiene

Concen: 4.139 ng

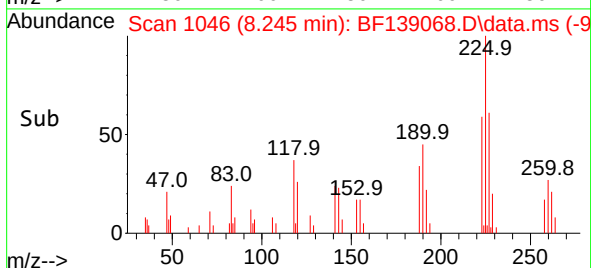
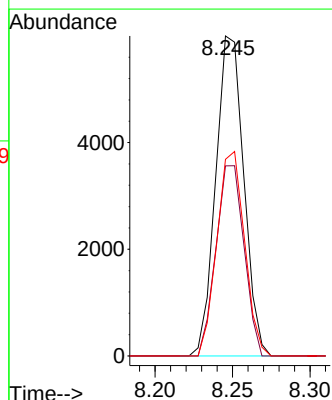
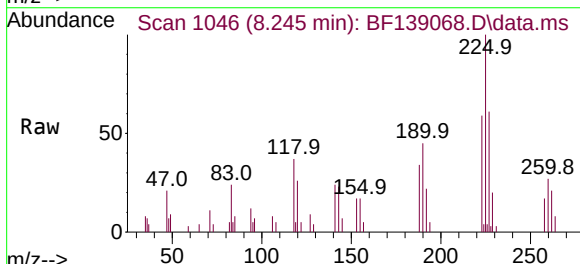
RT: 8.245 min Scan# 1046

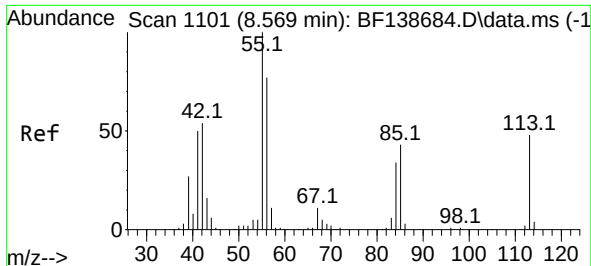
Delta R.T. -0.018 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

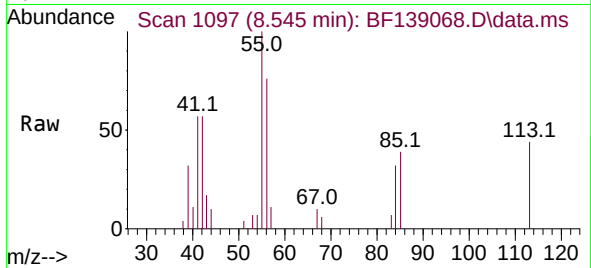
Tgt Ion:	225	Resp:	7554
Ion Ratio	Lower	Upper	
225	100		
223	59.4	51.2	76.8
227	61.4	51.1	76.7





#35
Caprolactam
Concen: 3.585 ng
RT: 8.545 min Scan# 1097
Delta R.T. -0.023 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

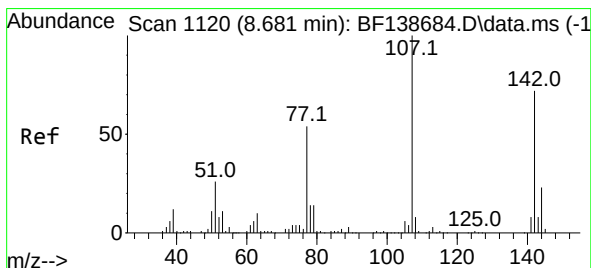
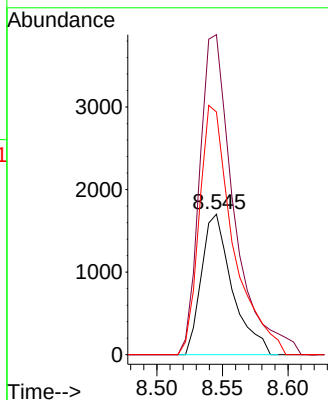
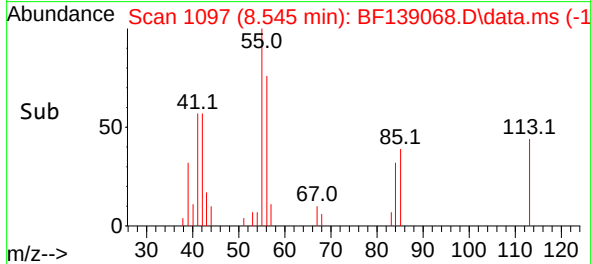
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:113 Resp: 279
Ion Ratio Lower Upper
113 100
55 227.8 186.7 226.7
56 172.7 138.9 178.9

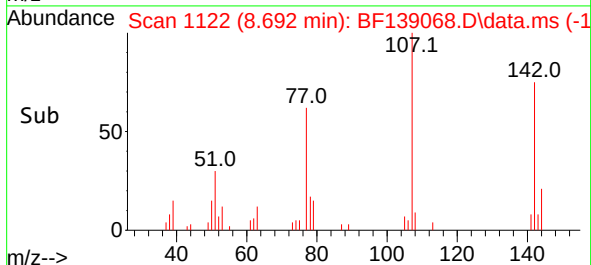
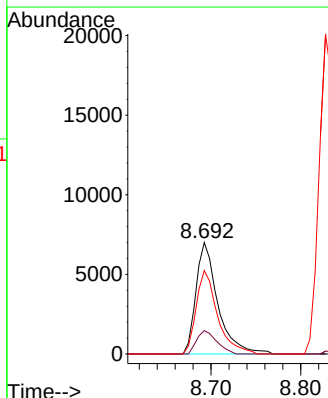
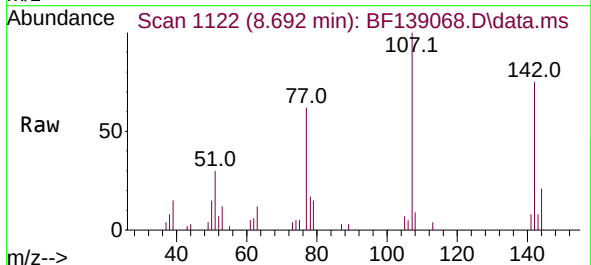
Manual Integrations
APPROVED

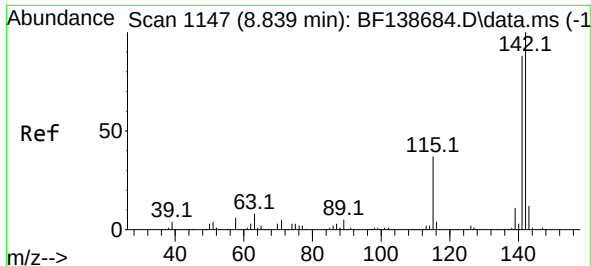
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#36
4-Chloro-3-methylphenol
Concen: 3.970 ng
RT: 8.692 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion:107 Resp: 11845
Ion Ratio Lower Upper
107 100
144 20.9 18.2 27.2
142 74.9 57.4 86.2





#37

2-Methylnaphthalene

Concen: 4.056 ng

RT: 8.828 min Scan# 1145

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:142 Resp: 2557

Ion Ratio Lower Upper

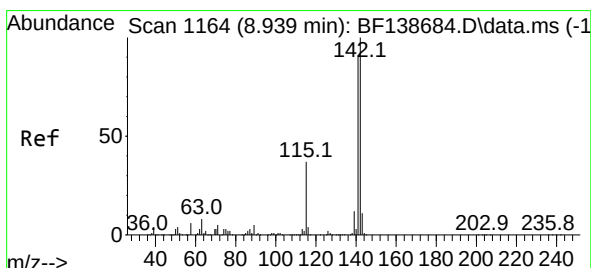
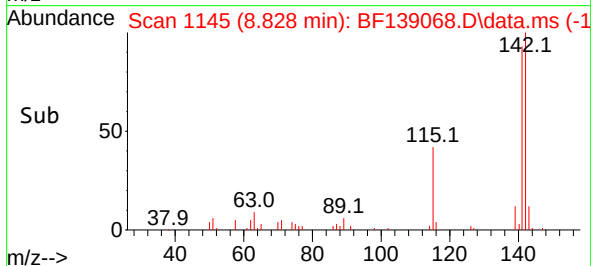
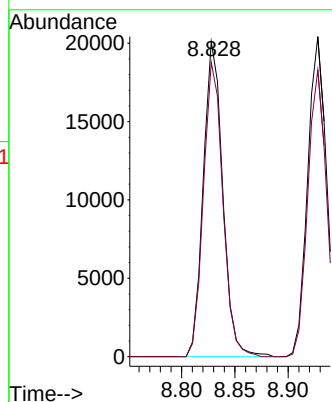
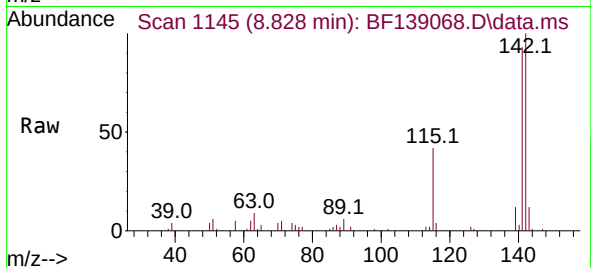
142 100

141 93.4 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#38

1-Methylnaphthalene

Concen: 4.114 ng

RT: 8.928 min Scan# 1162

Delta R.T. -0.012 min

Lab File: BF139068.D

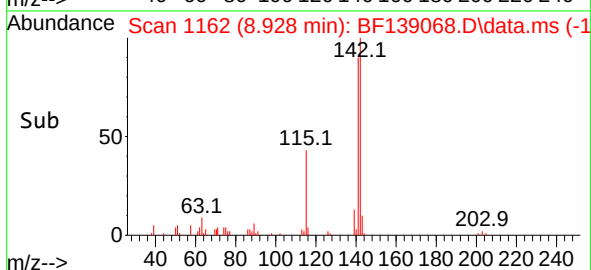
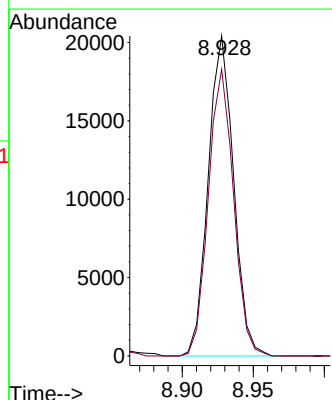
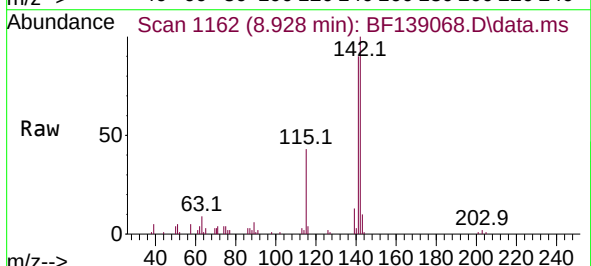
Acq: 19 Aug 2024 11:16

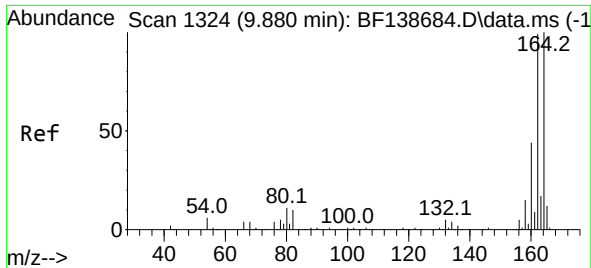
Tgt Ion:142 Resp: 25419

Ion Ratio Lower Upper

142 100

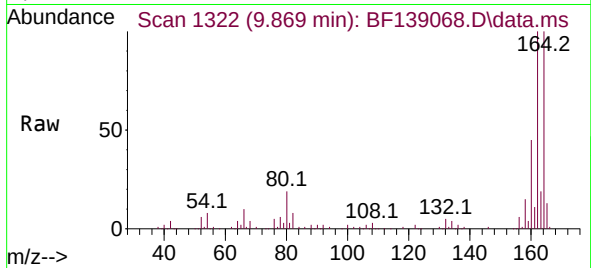
141 89.6 73.1 109.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1173
Delta R.T. -0.011 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

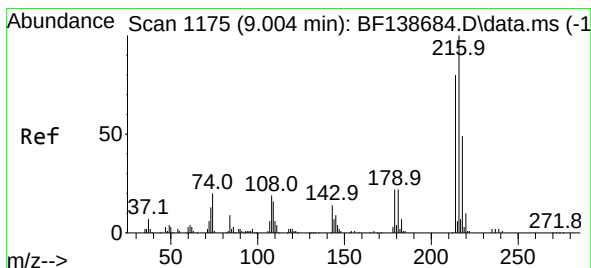
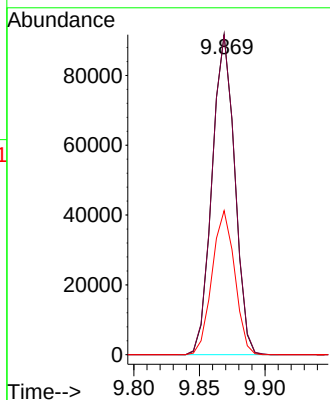
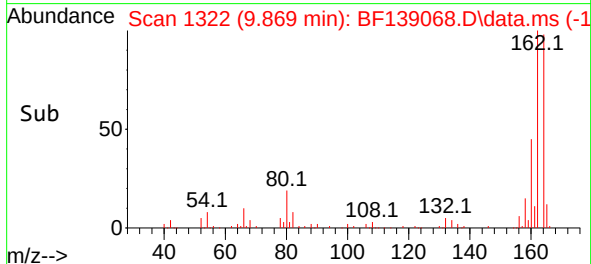
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



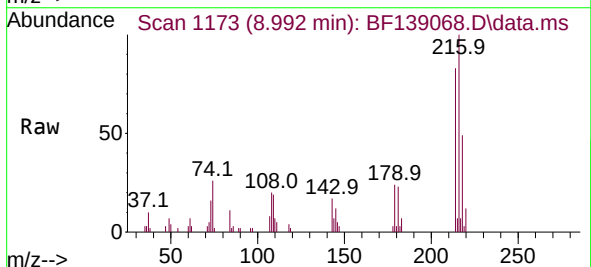
Tgt Ion:164 Resp: 109640
Ion Ratio Lower Upper
164 100
162 99.9 79.4 119.0
160 45.0 35.1 52.7

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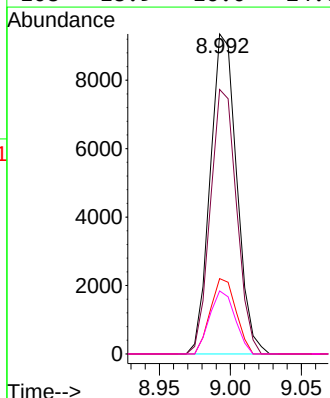
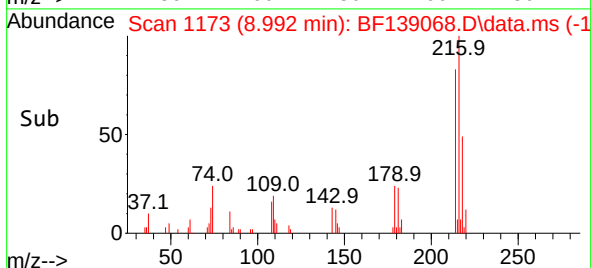
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

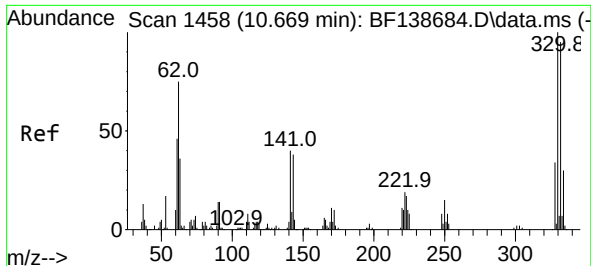


#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.985 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



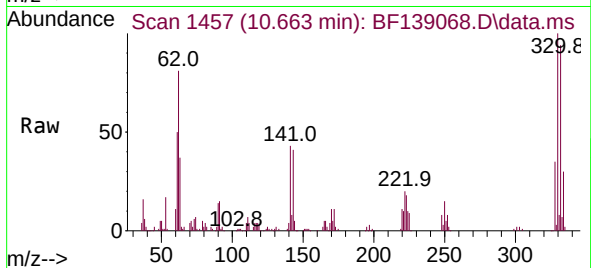
Tgt Ion:216 Resp: 12138
Ion Ratio Lower Upper
216 100
214 81.6 63.9 95.9
179 22.7 17.8 26.6
108 18.9 16.0 24.0





#42
2,4,6-Tribromophenol
Concen: 137.059 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

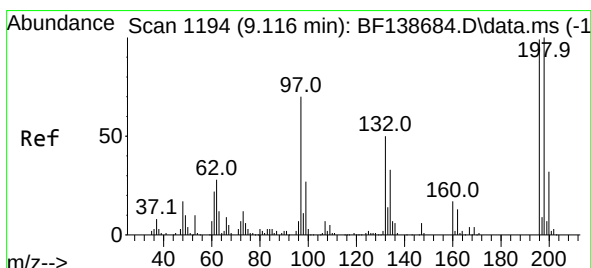
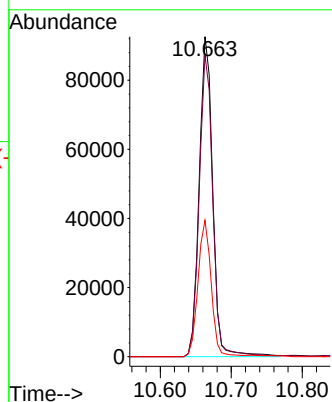
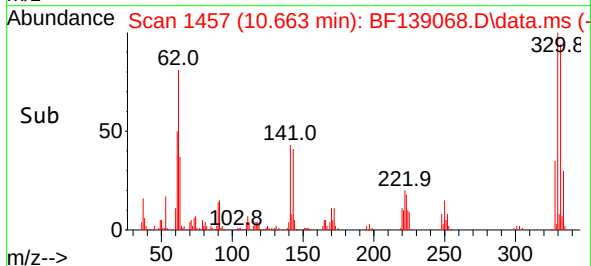
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:330 Resp: 123095
Ion Ratio Lower Upper
330 100
332 95.0 76.4 114.6
141 42.4 31.1 46.7

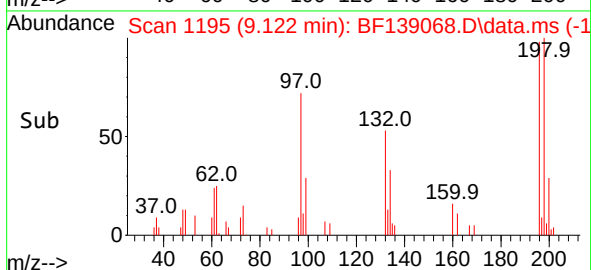
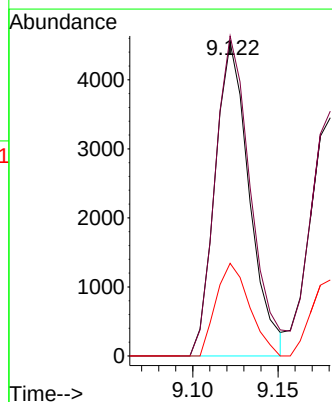
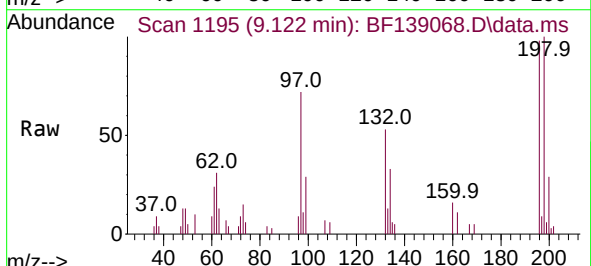
Manual Integrations
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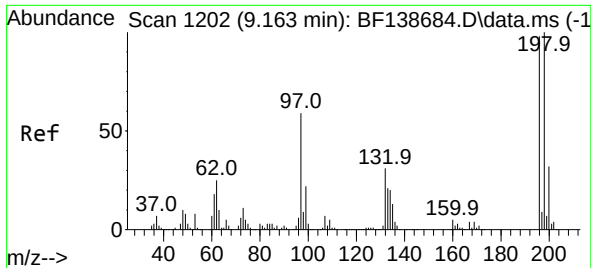
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#43
2,4,6-Trichlorophenol
Concen: 3.431 ng
RT: 9.122 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion:196 Resp: 6372
Ion Ratio Lower Upper
196 100
198 102.0 80.5 120.7
200 29.5 25.9 38.9





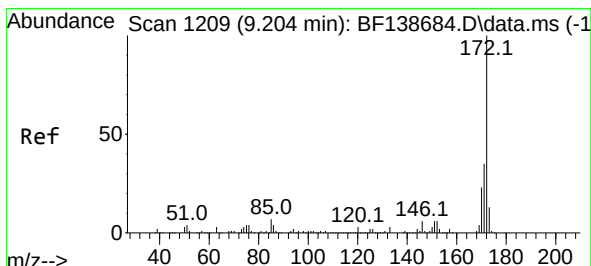
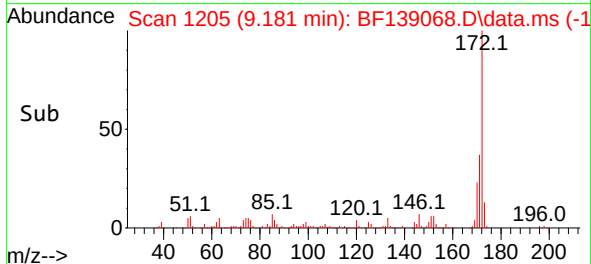
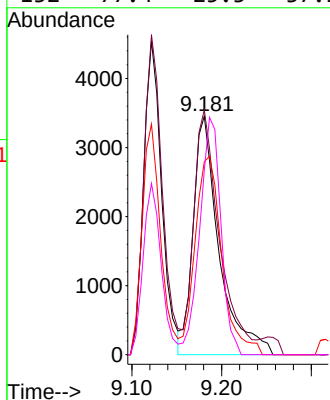
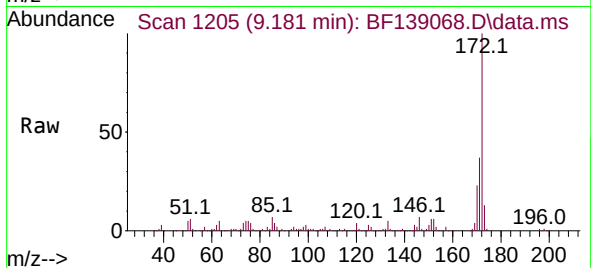
#44
2,4,5-Trichlorophenol
Concen: 3.413 ng
RT: 9.181 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024

Tgt Ion:196 Resp: 6928
Ion Ratio Lower Upper
196 100
198 102.7 81.2 121.8
97 80.9 47.8 71.6
132 77.4 25.3 37.9#

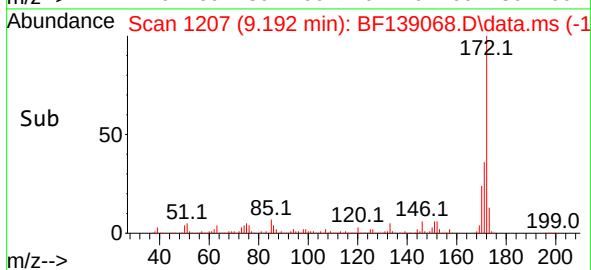
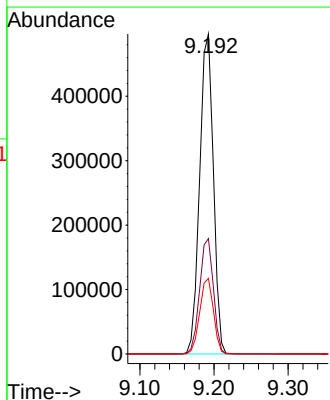
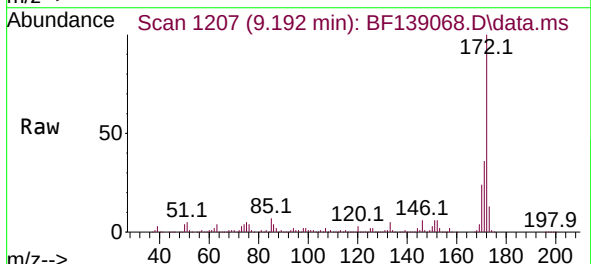
Manual Integrations
APPROVED

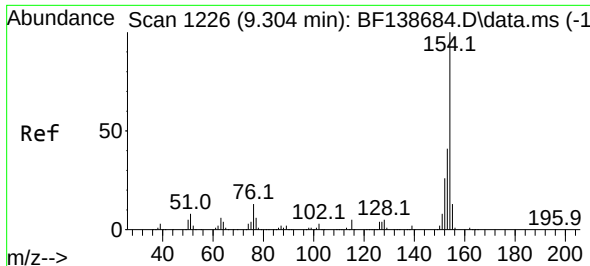
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#45
2-Fluorobiphenyl
Concen: 87.578 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

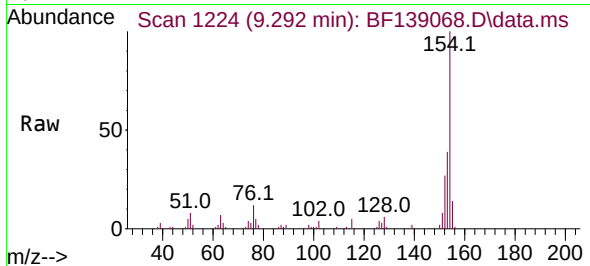
Tgt Ion:172 Resp: 639110
Ion Ratio Lower Upper
172 100
171 36.0 28.3 42.5
170 23.6 18.8 28.2





#46
1,1'-Biphenyl
Concen: 4.144 ng
RT: 9.292 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

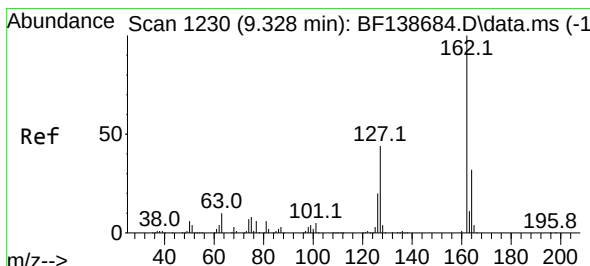
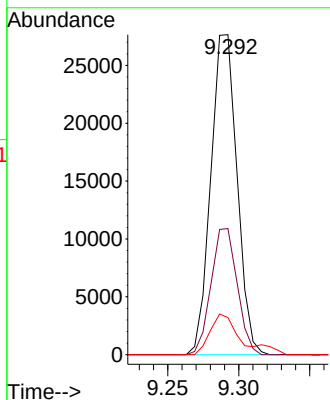
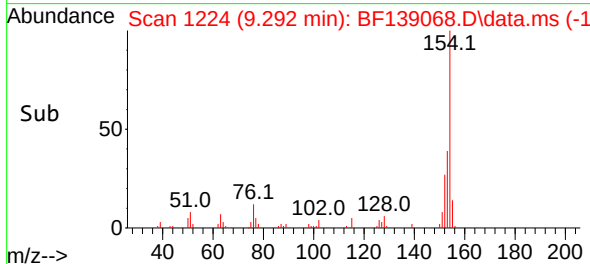
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



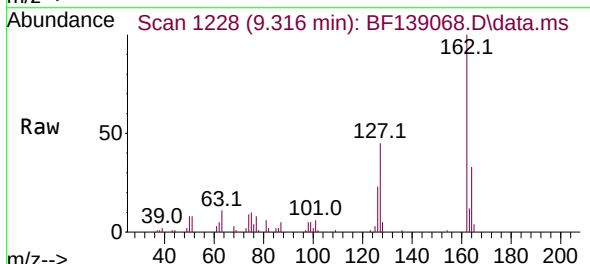
Tgt Ion:154 Resp: 35584
Ion Ratio Lower Upper
154 100
153 39.4 20.8 60.8
76 11.6 0.0 32.8

Manual Integrations
APPROVED

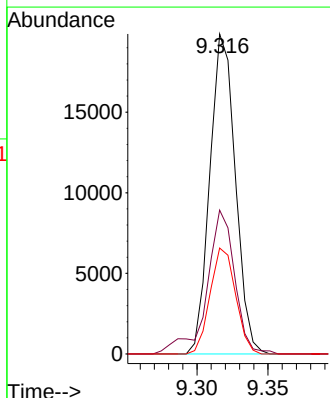
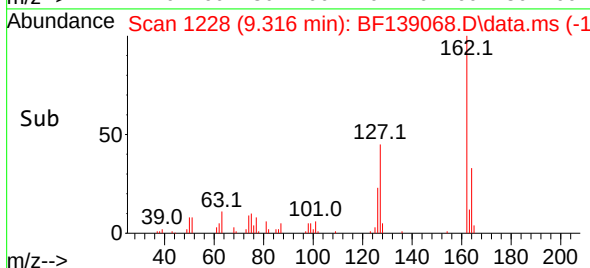
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

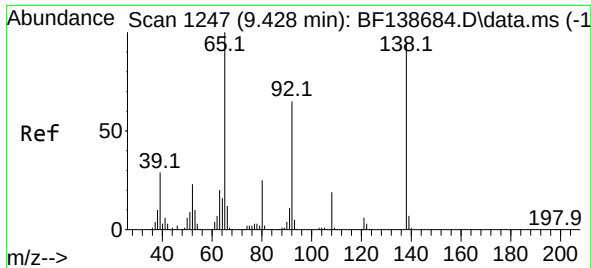


#47
2-Chloronaphthalene
Concen: 3.881 ng
RT: 9.316 min Scan# 1228
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



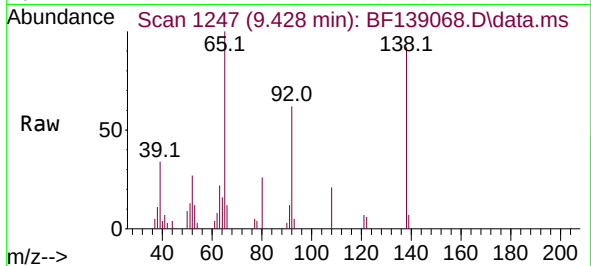
Tgt Ion:162 Resp: 24784
Ion Ratio Lower Upper
162 100
127 44.9 35.4 53.2
164 33.1 25.6 38.4





#48
2-Nitroaniline
Concen: 3.864 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

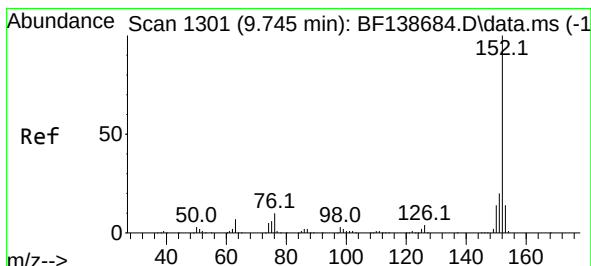
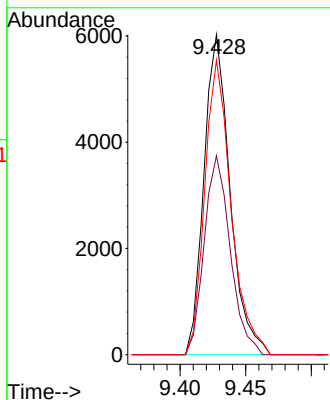
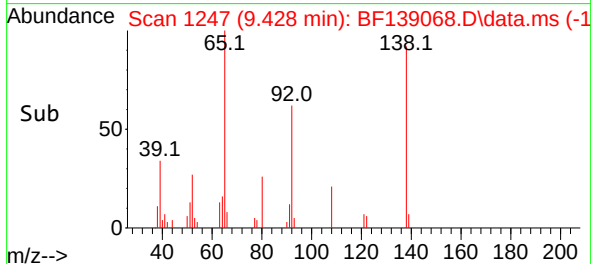
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



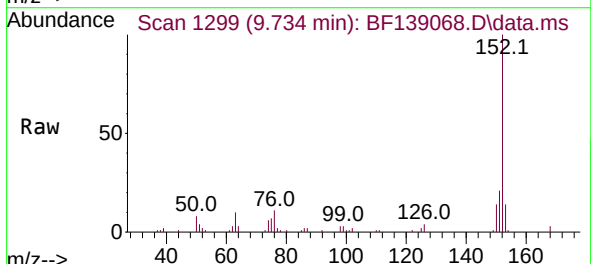
Tgt Ion: 65 Resp: 836
Ion Ratio Lower Upper
65 100
92 62.2 52.0 78.0
138 92.1 76.2 114.4

Manual Integrations
APPROVED

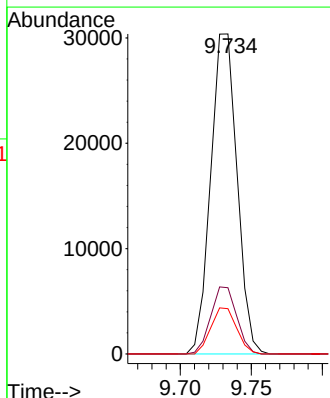
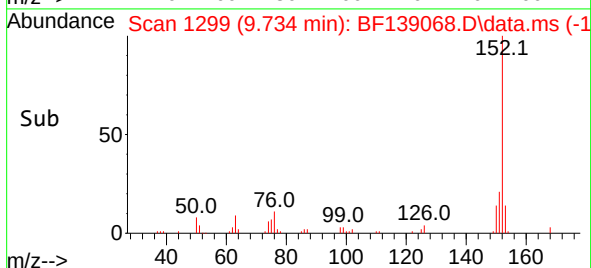
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

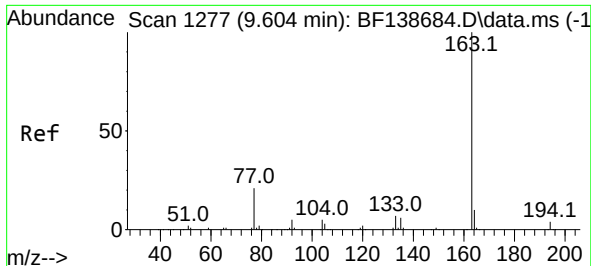


#49
Acenaphthylene
Concen: 4.338 ng
RT: 9.734 min Scan# 1299
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



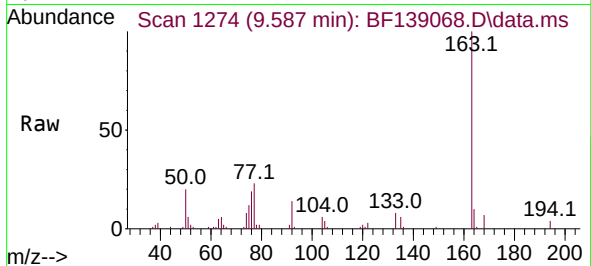
Tgt Ion:152 Resp: 39297
Ion Ratio Lower Upper
152 100
151 20.7 16.0 24.0
153 14.2 11.0 16.4





#50
Dimethylphthalate
Concen: 4.354 ng
RT: 9.587 min Scan# 1274
Delta R.T. -0.018 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

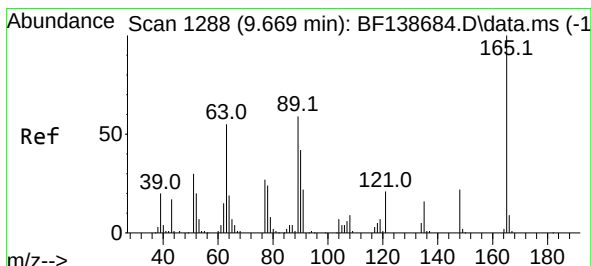
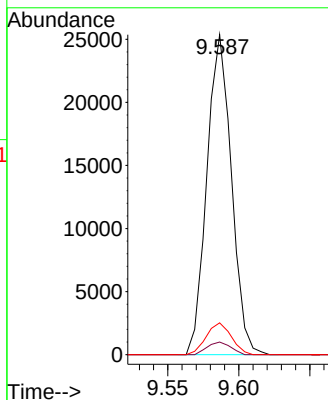
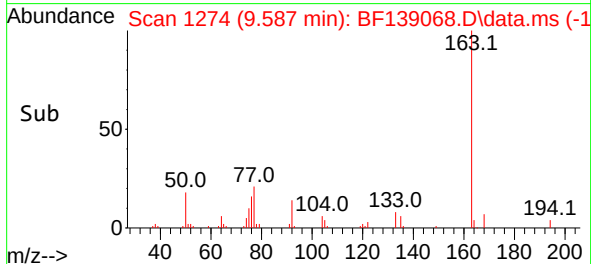
Instrument : BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



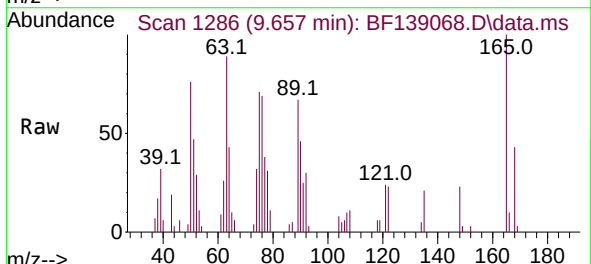
Tgt Ion:163 Resp: 30520
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.0 7.8 11.8

Manual Integrations
APPROVED

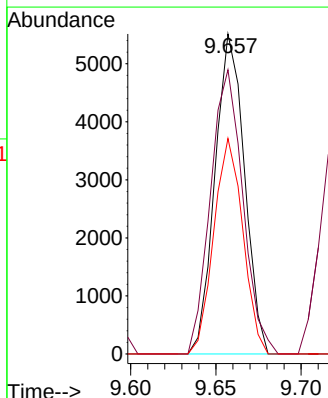
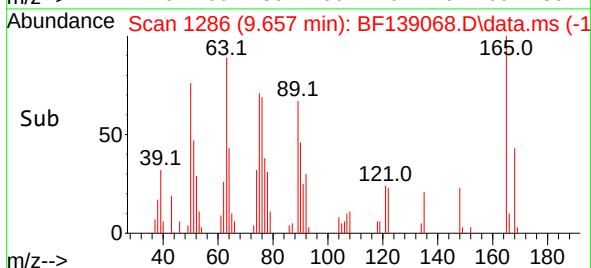
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

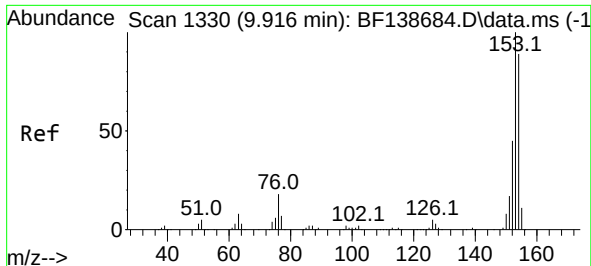


#51
2,6-Dinitrotoluene
Concen: 4.193 ng
RT: 9.657 min Scan# 1286
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



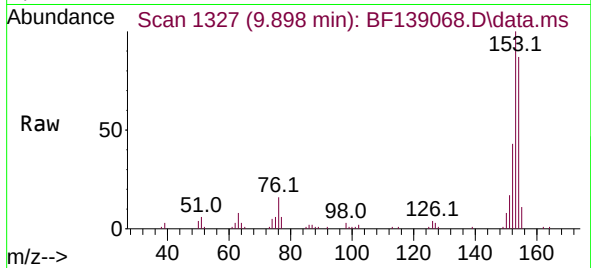
Tgt Ion:165 Resp: 6634
Ion Ratio Lower Upper
165 100
63 88.8 52.0 78.0#
89 67.4 47.0 70.6





#52
Acenaphthene
Concen: 4.153 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

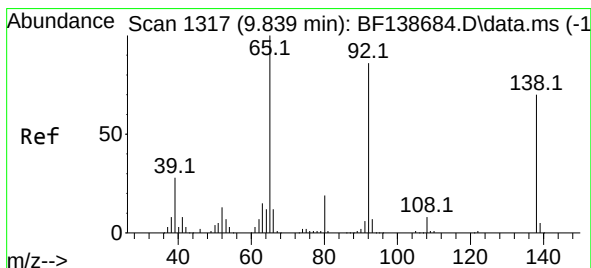
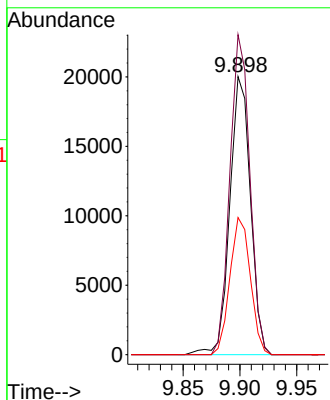
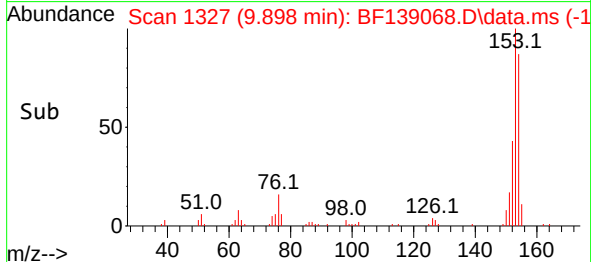
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



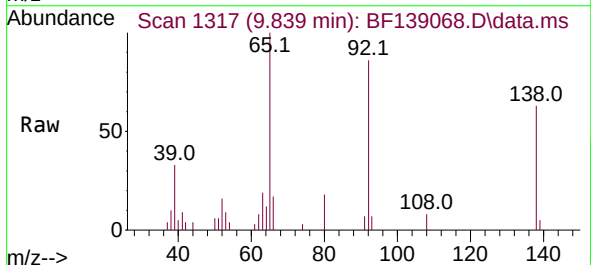
Tgt Ion:154 Resp: 25289
Ion Ratio Lower Upper
154 100
153 115.1 89.9 134.9
152 49.3 40.6 60.8

Manual Integrations
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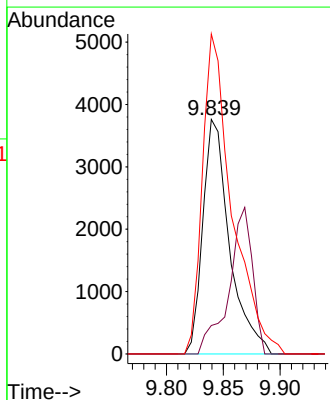
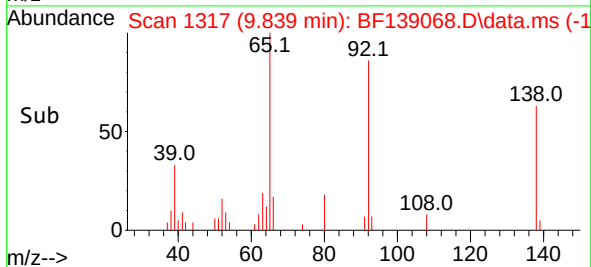
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

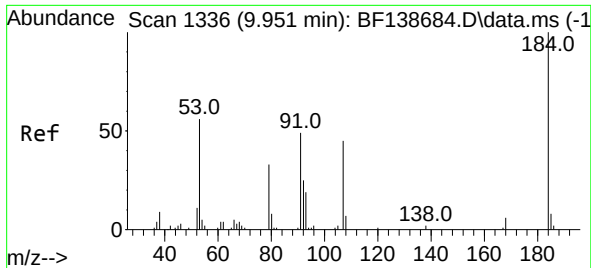


#53
3-Nitroaniline
Concen: 3.754 ng
RT: 9.839 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



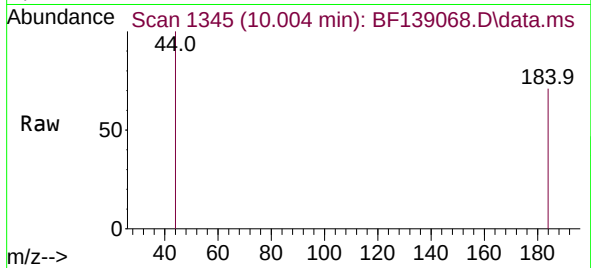
Tgt Ion:138 Resp: 6140
Ion Ratio Lower Upper
138 100
108 12.2 9.1 13.7
92 136.4 98.7 148.1





#54
2,4-Dinitrophenol
Concen: 0.148 ng
RT: 10.004 min Scan# 1345
Delta R.T. 0.053 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

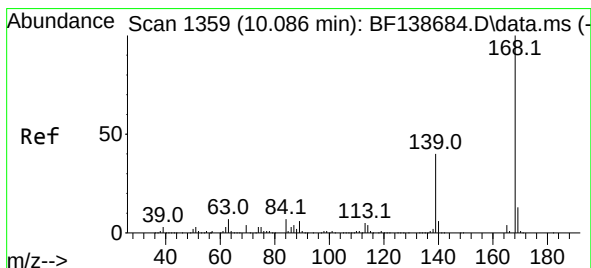
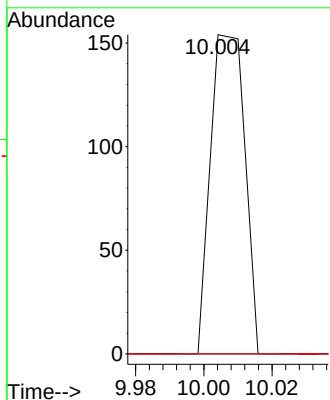
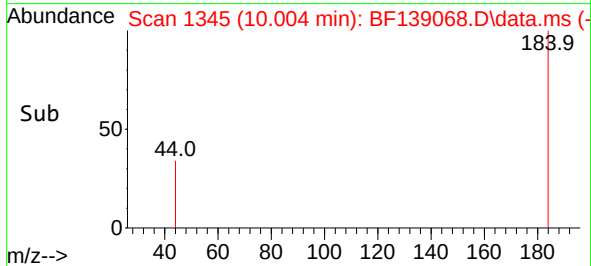
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:184 Resp: 10000
Ion Ratio Lower Upper
184 100
63 0.0 57.5 86.3
154 0.0 51.7 77.5

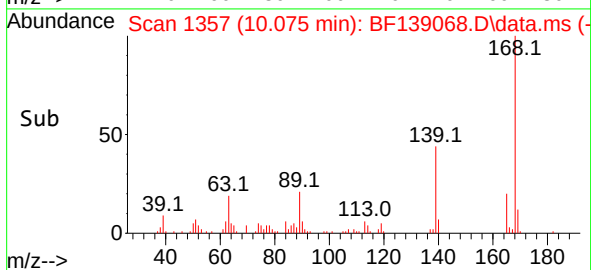
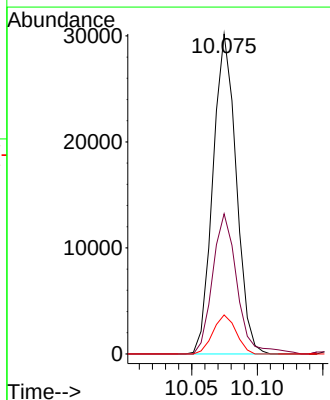
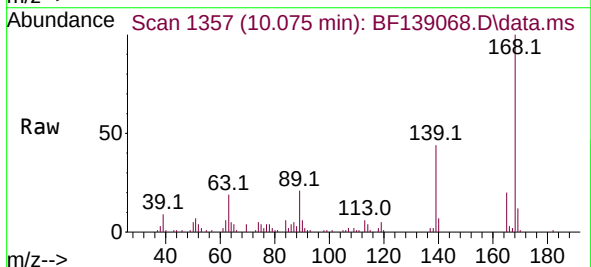
Manual Integrations
APPROVED

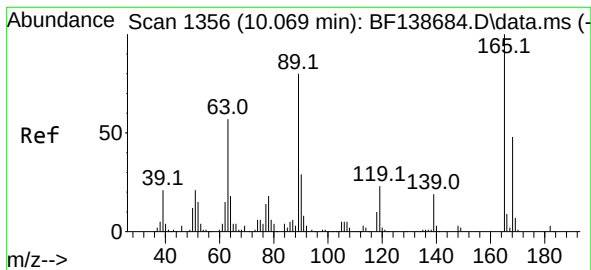
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#55
Dibenzofuran
Concen: 4.323 ng
RT: 10.075 min Scan# 1357
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

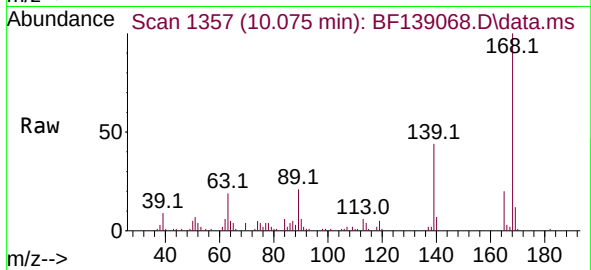
Tgt Ion:168 Resp: 37158
Ion Ratio Lower Upper
168 100
139 43.8 32.6 49.0
169 12.2 10.7 16.1





#57
2,4-Dinitrotoluene
Concen: 4.036 ng
RT: 10.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

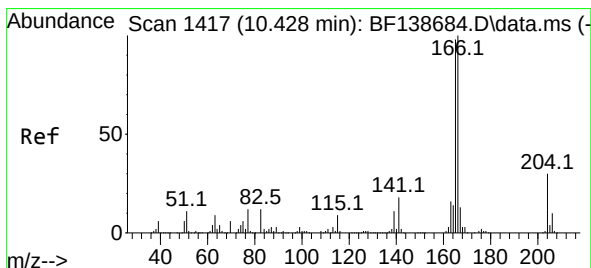
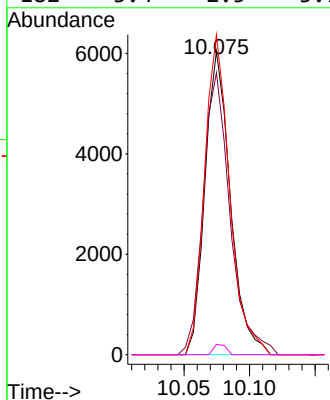
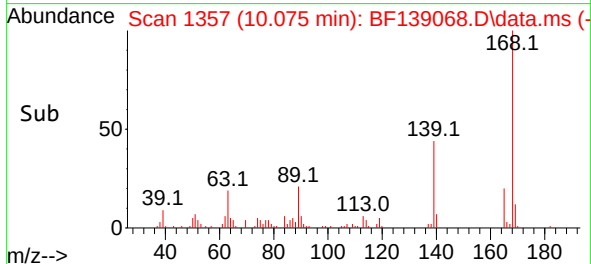
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



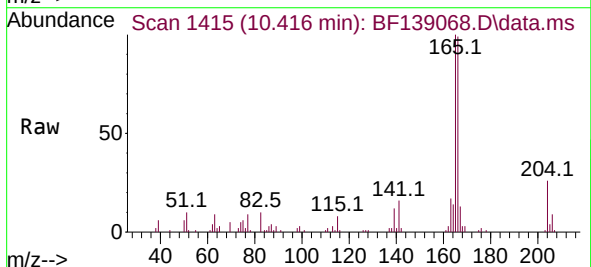
Tgt Ion:165 Resp: 814
Ion Ratio Lower Upper
165 100
63 93.0 46.3 69.5
89 105.5 64.2 96.4
182 3.4 2.5 3.7

Manual Integrations
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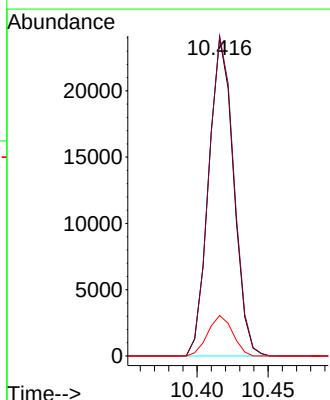
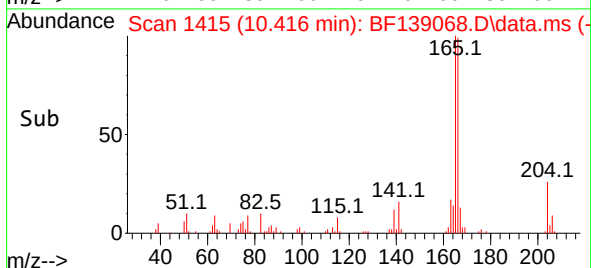
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

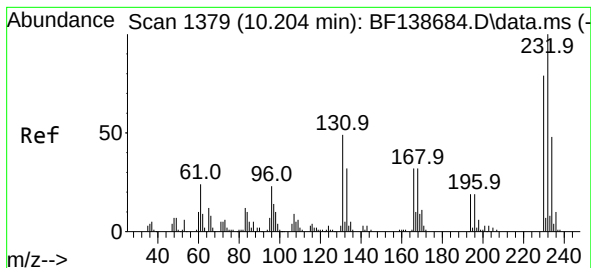


#58
Fluorene
Concen: 4.279 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



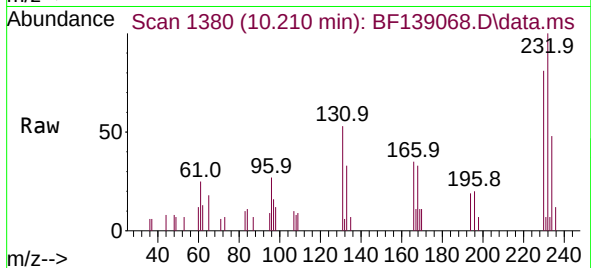
Tgt Ion:166 Resp: 29288
Ion Ratio Lower Upper
166 100
165 100.5 78.4 117.6
167 12.7 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.421 ng
RT: 10.210 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

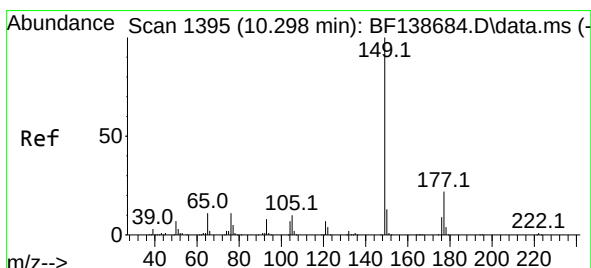
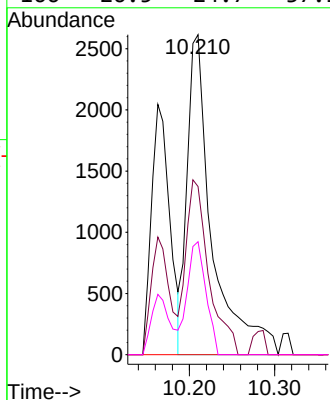
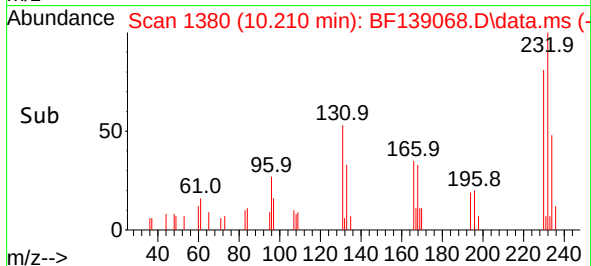
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



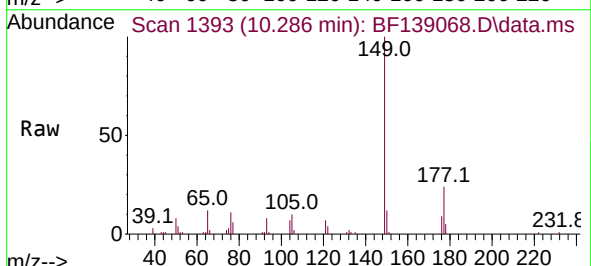
Tgt Ion:232 Resp: 5310
Ion Ratio Lower Upper
232 100
131 50.1 37.0 55.4
130 0.0 2.0 3.0
166 26.5 24.7 37.1

Manual Integrations
APPROVED

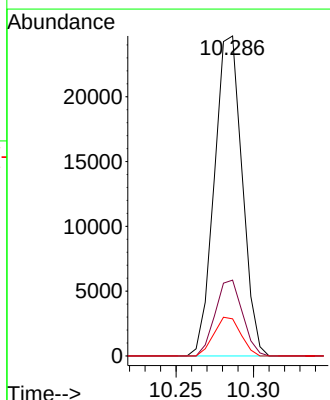
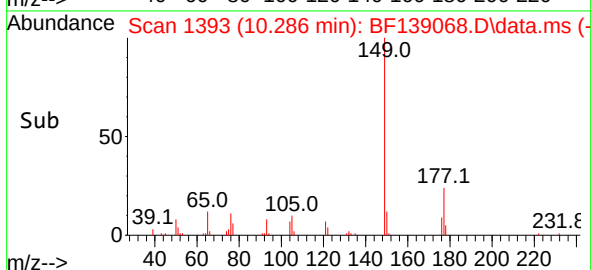
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

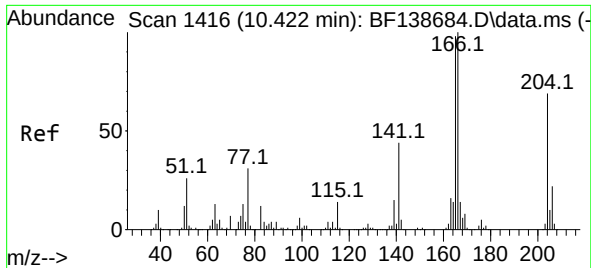


#60
Diethylphthalate
Concen: 4.631 ng
RT: 10.286 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



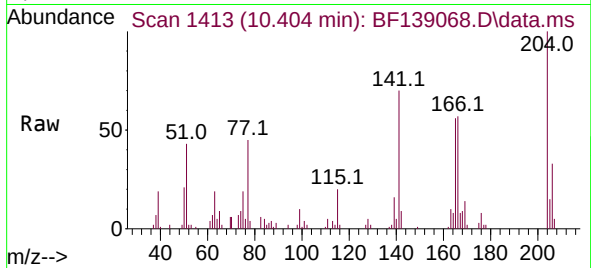
Tgt Ion:149 Resp: 30782
Ion Ratio Lower Upper
149 100
177 23.7 17.8 26.8
150 11.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 4.415 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.018 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

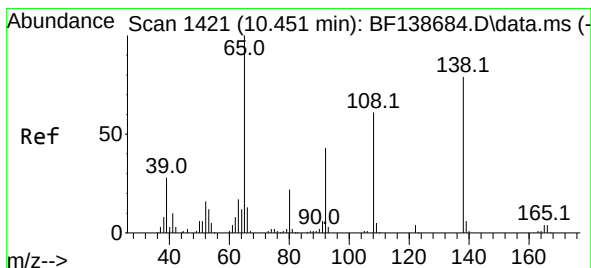
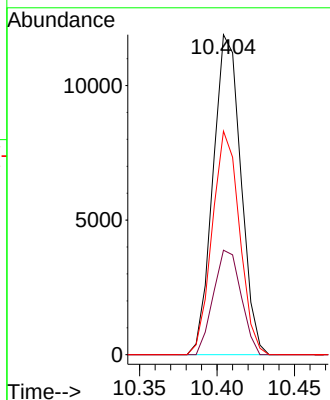
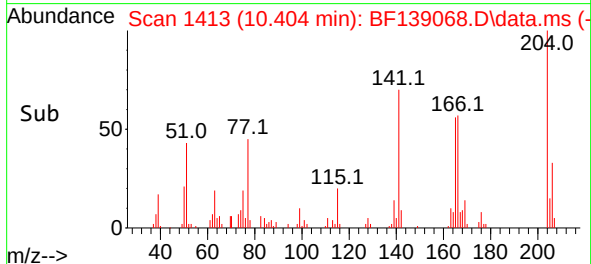
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:204 Resp: 1486
Ion Ratio Lower Upper
204 100
206 32.7 26.1 39.1
141 69.9 51.4 77.0

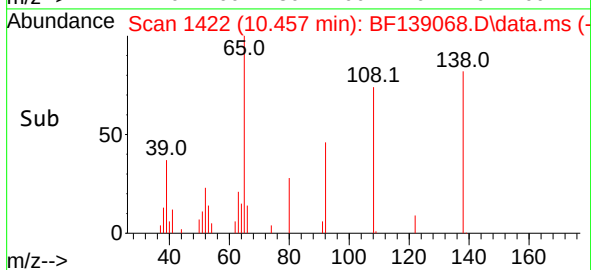
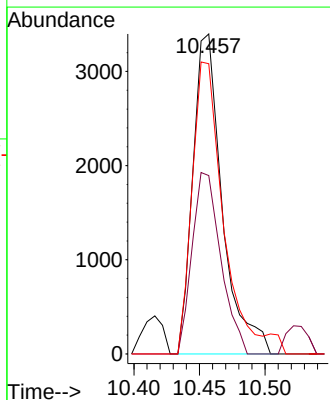
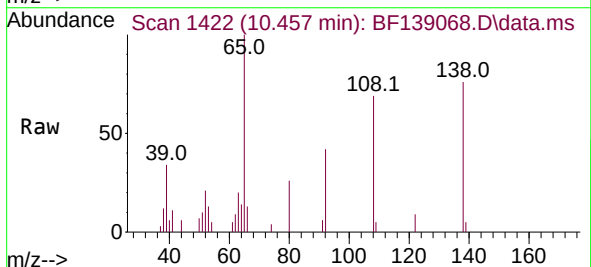
Manual Integrations
APPROVED

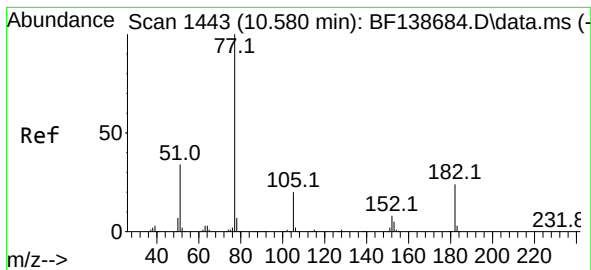
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#62
4-Nitroaniline
Concen: 3.410 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

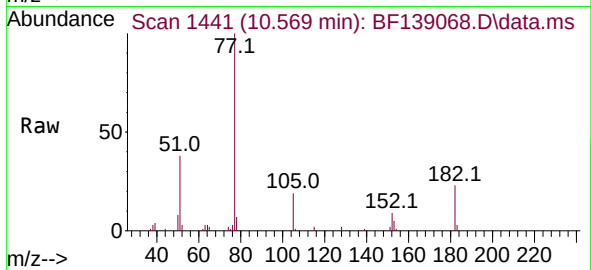
Tgt Ion:138 Resp: 5301
Ion Ratio Lower Upper
138 100
92 55.8 34.2 74.2
108 90.7 56.2 96.2





#63
Azobenzene
Concen: 4.347 ng
RT: 10.569 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

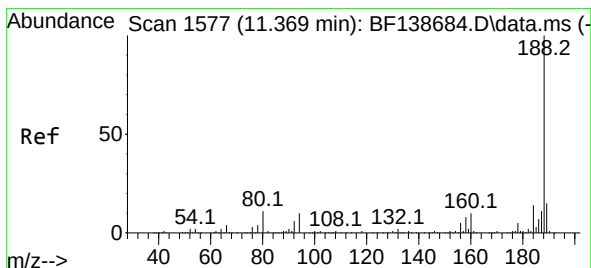
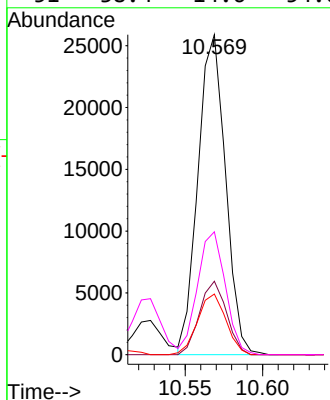
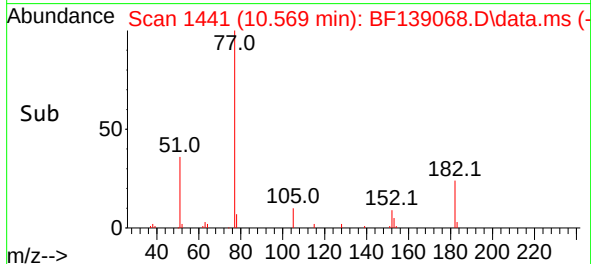
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



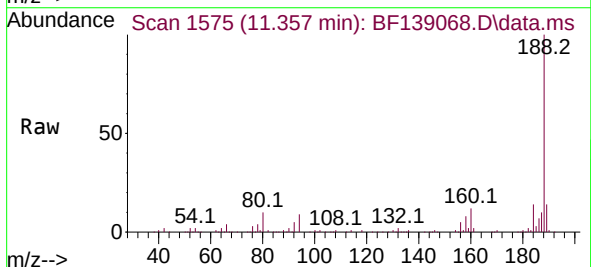
Tgt Ion: 77 Resp: 3204
Ion Ratio Lower Upper
77 100
182 23.0 3.4 43.4
105 19.0 0.2 40.2
51 38.4 14.6 54.6

Manual Integrations
APPROVED

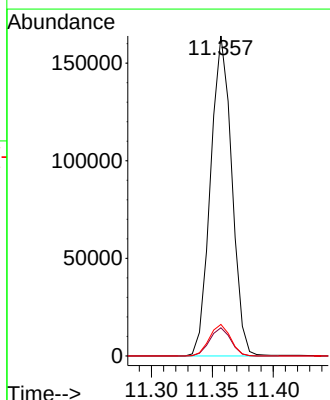
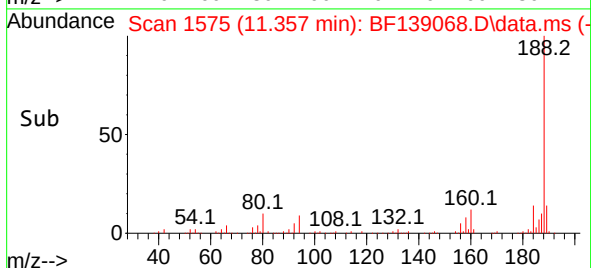
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

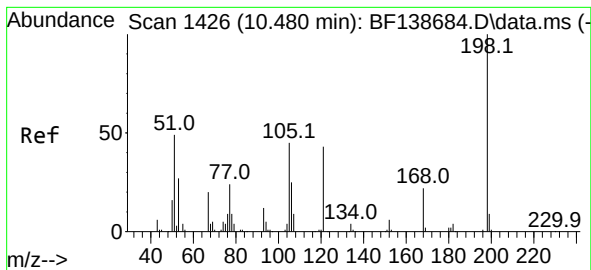


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



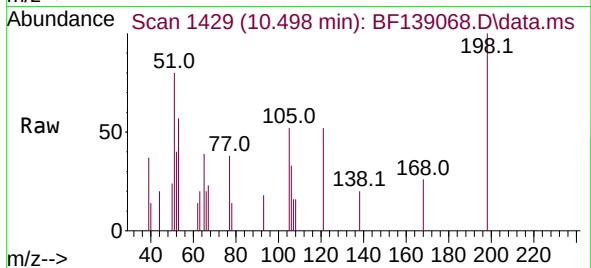
Tgt Ion:188 Resp: 199224
Ion Ratio Lower Upper
188 100
94 8.8 7.6 11.4
80 9.9 8.6 12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 1.865 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.018 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

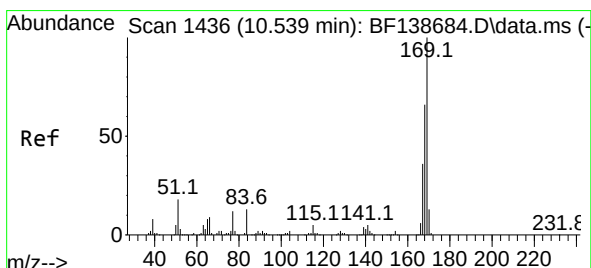
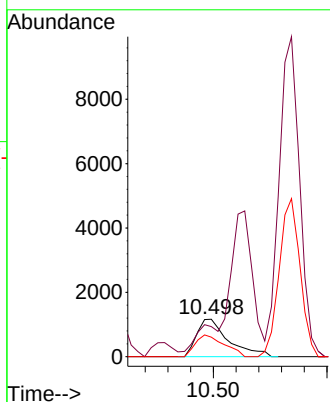
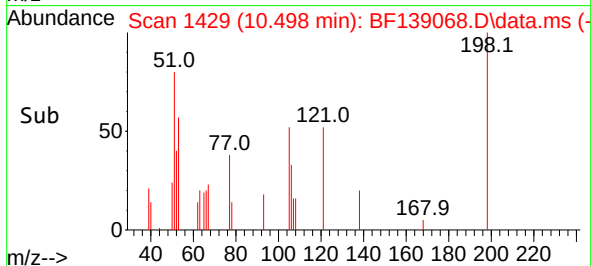
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:198 Resp: 2261
Ion Ratio Lower Upper
198 100
51 80.5 39.9 79.9
105 52.3 26.1 66.1

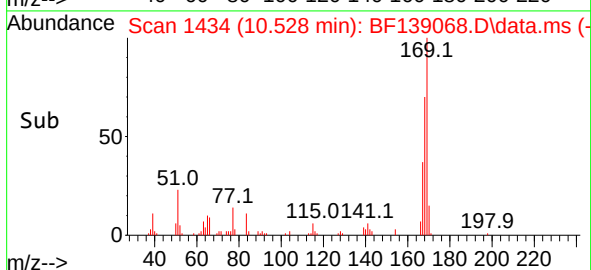
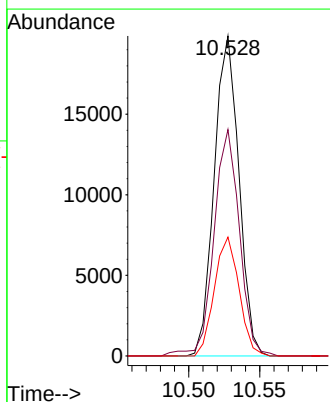
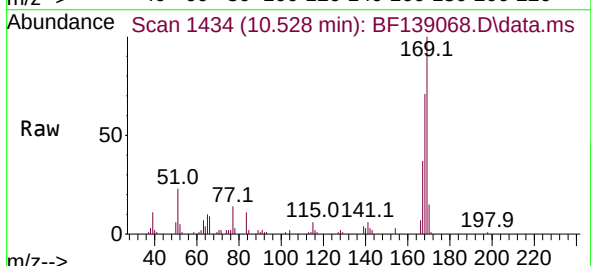
Manual Integrations
APPROVED

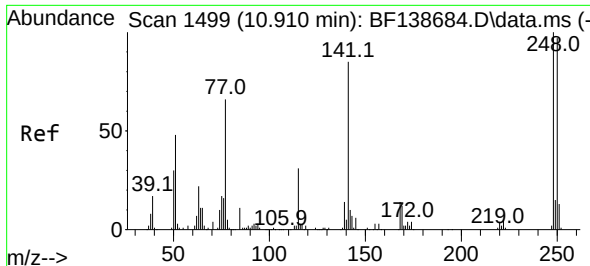
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#66
n-Nitrosodiphenylamine
Concen: 3.853 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

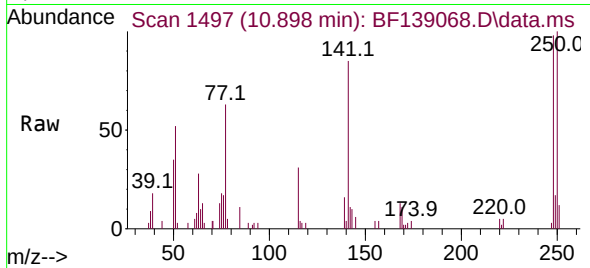
Tgt Ion:169 Resp: 23993
Ion Ratio Lower Upper
169 100
168 70.7 53.0 79.6
167 37.2 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 3.859 ng
RT: 10.898 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

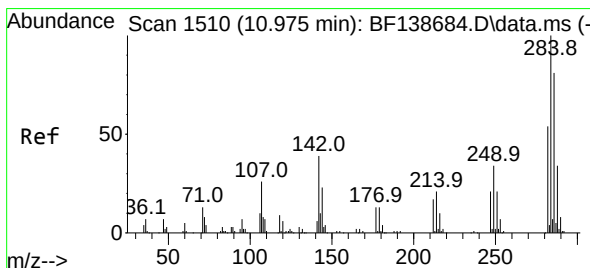
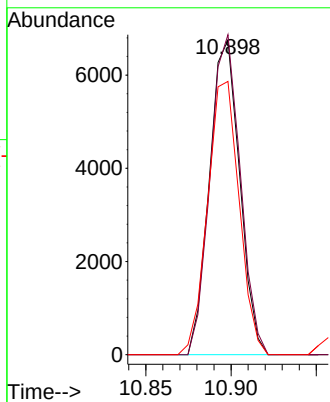
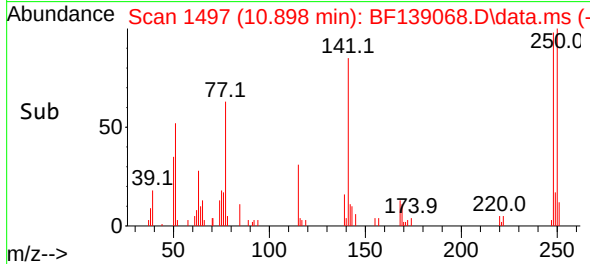
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



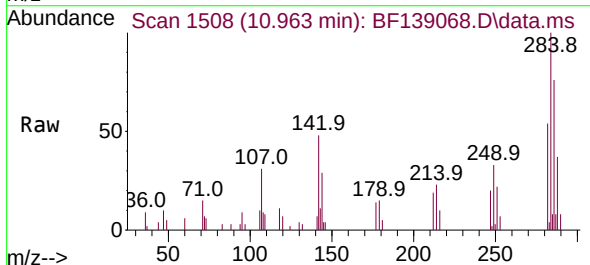
Tgt Ion:248 Resp: 832
Ion Ratio Lower Upper
248 100
250 101.7 77.7 116.5
141 86.9 68.0 102.0

Manual Integrations
APPROVED

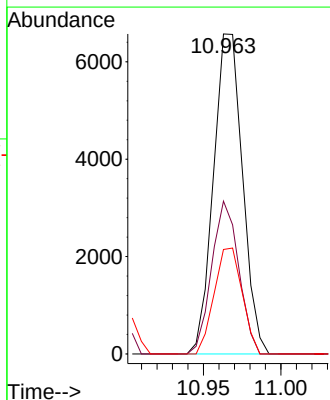
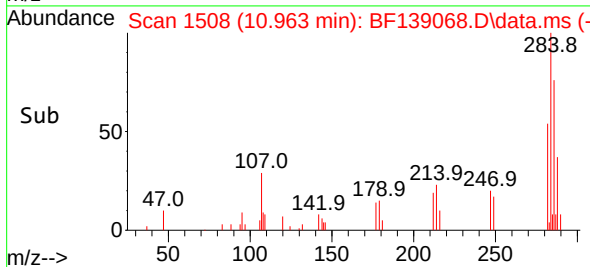
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

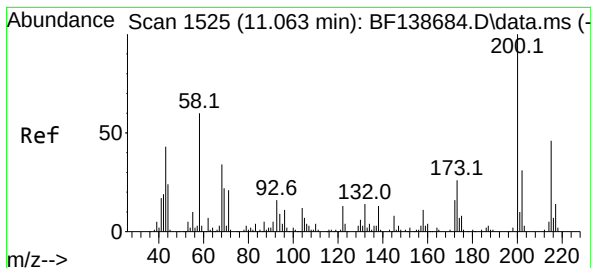


#68
Hexachlorobenzene
Concen: 3.852 ng
RT: 10.963 min Scan# 1508
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



Tgt Ion:284 Resp: 8579
Ion Ratio Lower Upper
284 100
142 47.7 31.3 46.9#
249 32.7 27.2 40.8





#69

Atrazine

Concen: 5.111 ng

RT: 11.051 min Scan# 1523

Delta R.T. -0.012 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

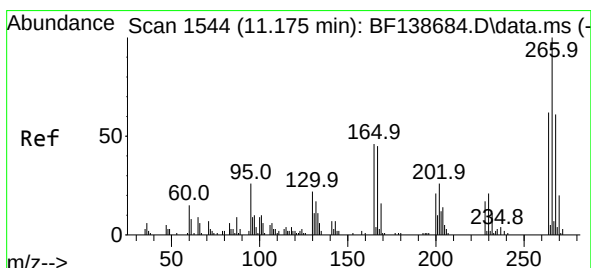
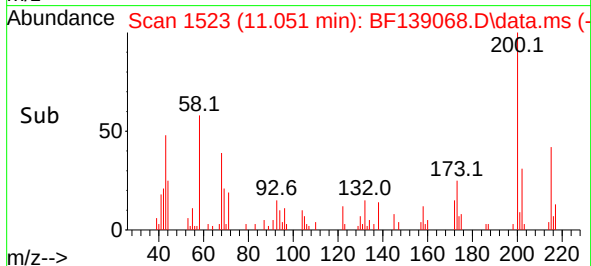
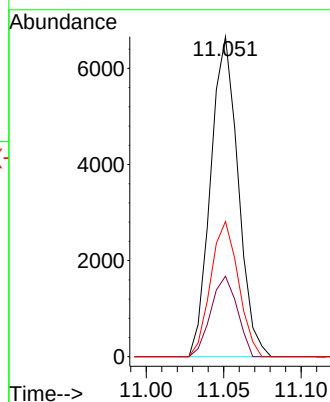
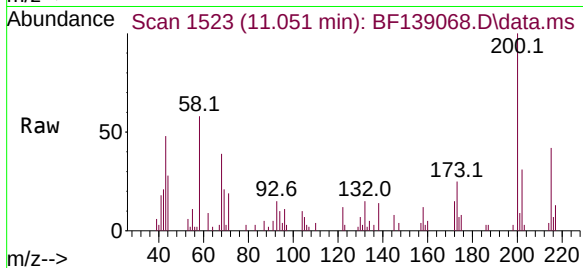
MDL-SOIL-03-QT3-2024

Tgt Ion:	200	Resp:	821
Ion Ratio	Lower	Upper	
200	100		
173	25.2	6.0	46.0
215	42.3	26.1	66.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#70

Pentachlorophenol

Concen: 0.304 ng

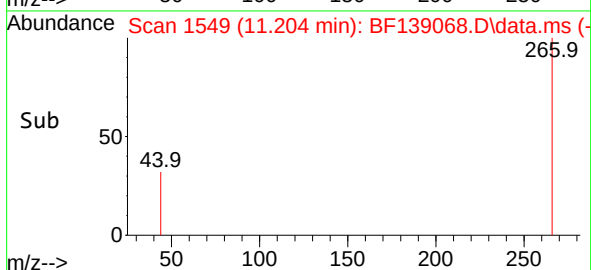
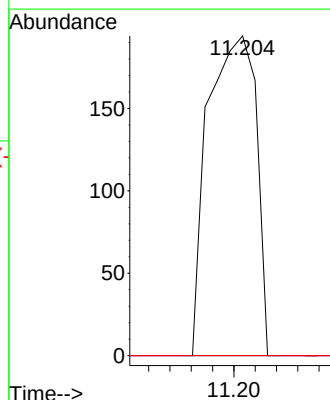
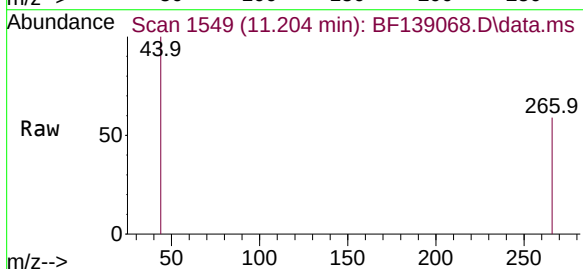
RT: 11.204 min Scan# 1549

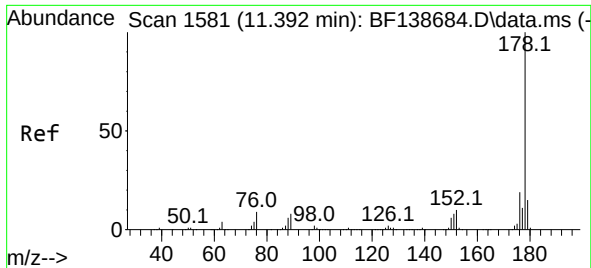
Delta R.T. 0.029 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

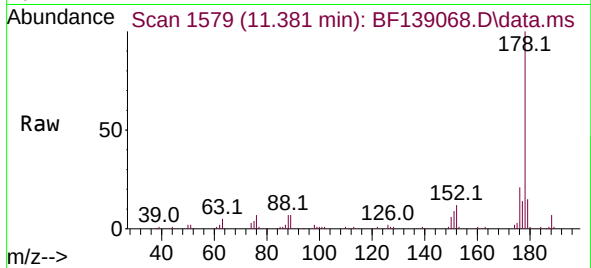
Tgt Ion:	266	Resp:	305
Ion Ratio	Lower	Upper	
266	100		
268	0.0	49.2	73.8#
264	0.0	49.8	74.6#





#71
Phenanthrene
Concen: 4.073 ng
RT: 11.381 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

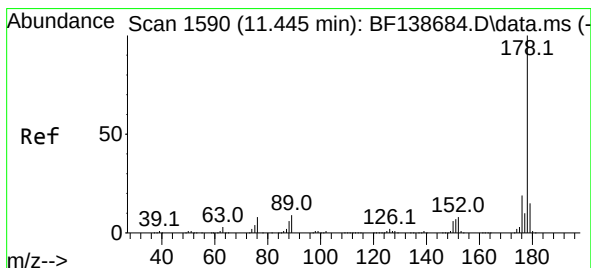
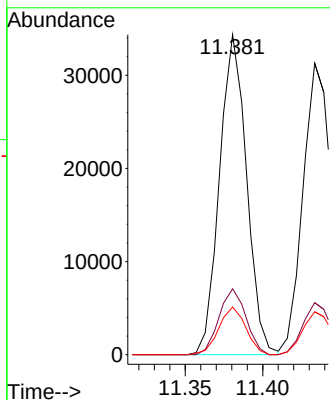
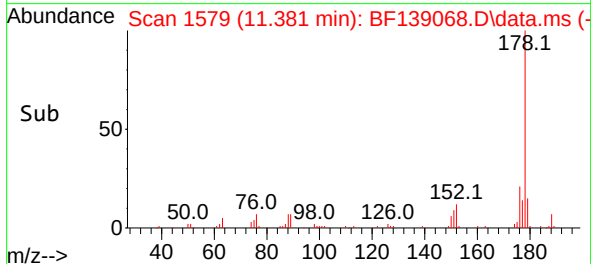
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:178 Resp: 4178
Ion Ratio Lower Upper
178 100
176 20.6 15.4 23.0
179 14.9 12.2 18.2

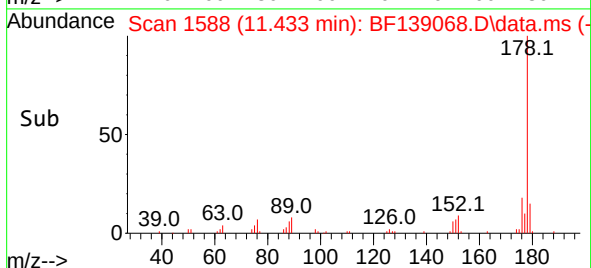
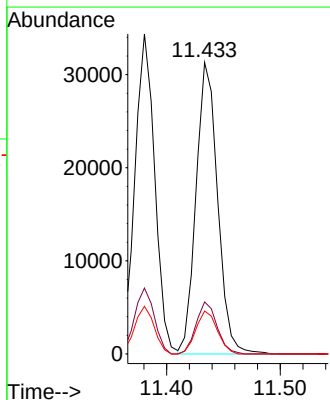
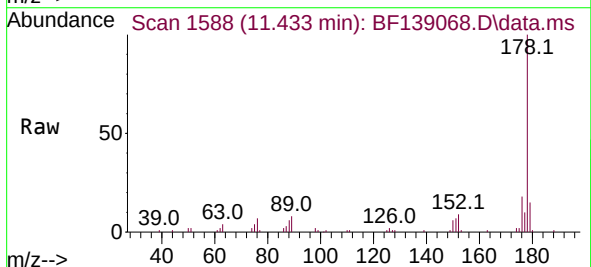
Manual Integrations
APPROVED

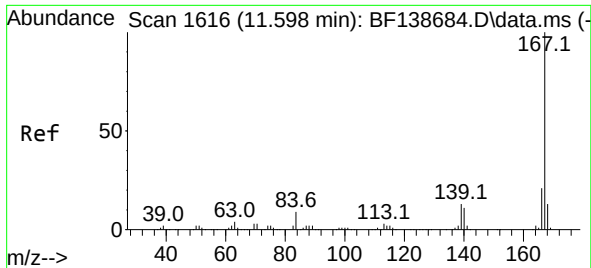
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#72
Anthracene
Concen: 4.097 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

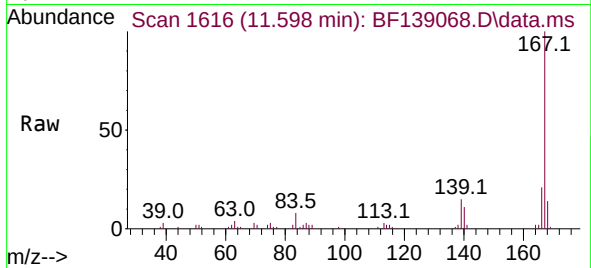
Tgt Ion:178 Resp: 41405
Ion Ratio Lower Upper
178 100
176 17.8 14.9 22.3
179 14.7 12.4 18.6





#73
 Carbazole
 Concen: 3.975 ng
 RT: 11.598 min Scan# 1616
 Delta R.T. 0.000 min
 Lab File: BF139068.D
 Acq: 19 Aug 2024 11:16

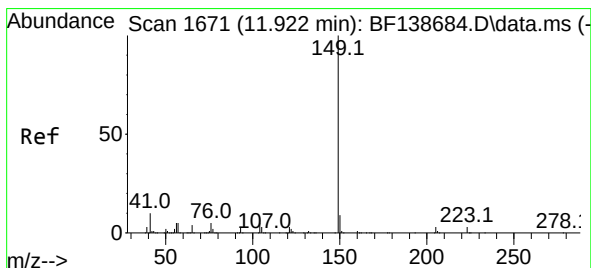
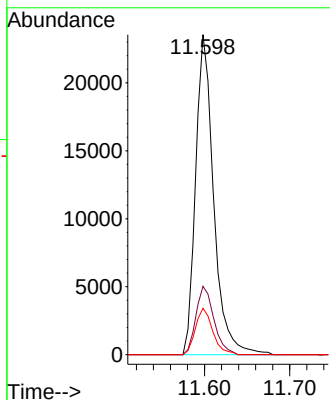
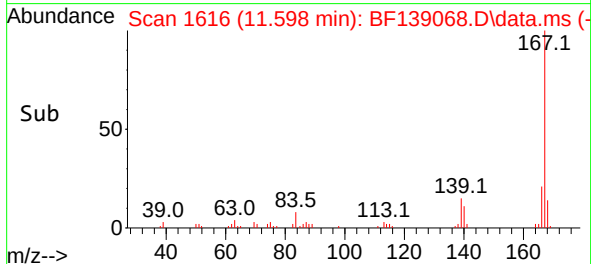
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2024



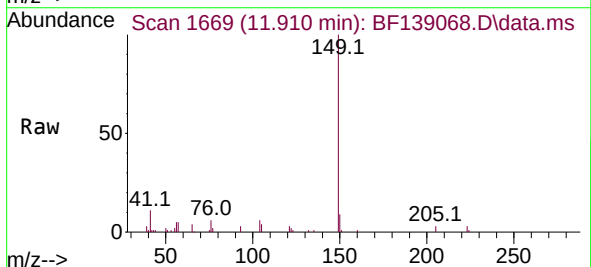
Tgt Ion:167 Resp: 3465
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.2 25.8
 139 14.5 10.6 16.0

Manual Integrations
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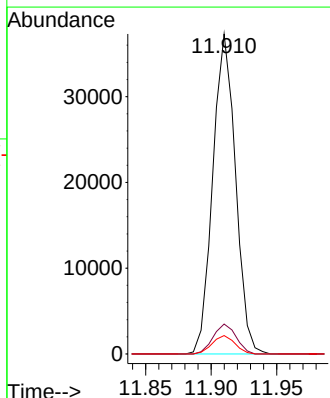
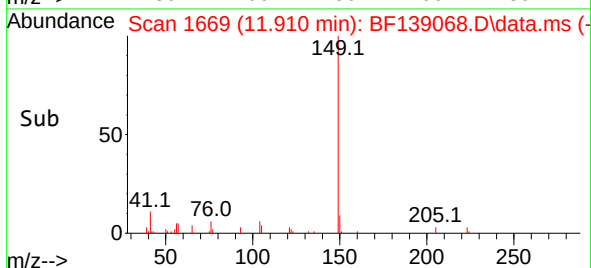
Reviewed By :Jagrut Upadhyay 08/20/2024
 Supervised By :mohammad ahmed 08/21/2024

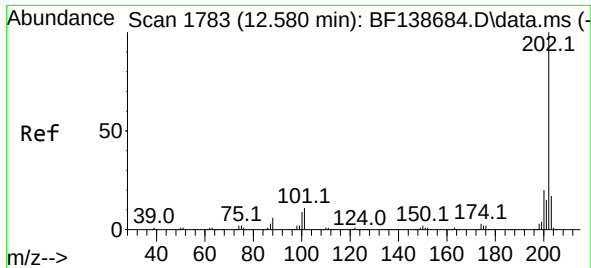


#74
 Di-n-butylphthalate
 Concen: 4.586 ng
 RT: 11.910 min Scan# 1669
 Delta R.T. -0.012 min
 Lab File: BF139068.D
 Acq: 19 Aug 2024 11:16



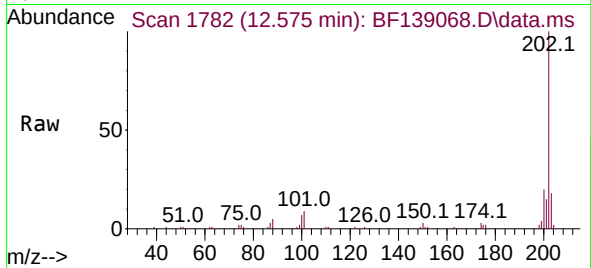
Tgt Ion:149 Resp: 44952
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.0
 104 5.7 4.1 6.1





#75
Fluoranthene
Concen: 4.311 ng
RT: 12.575 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

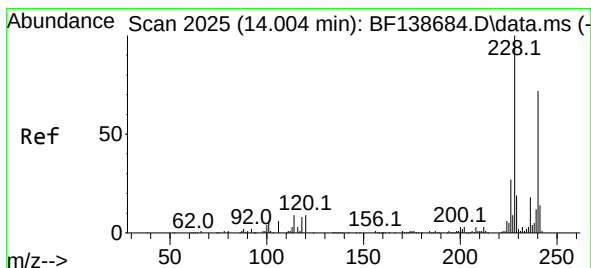
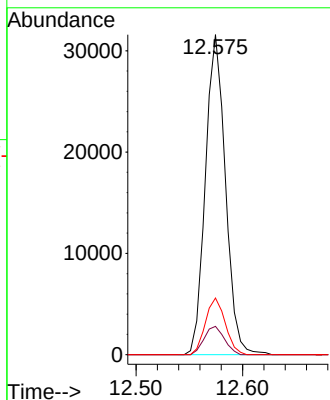
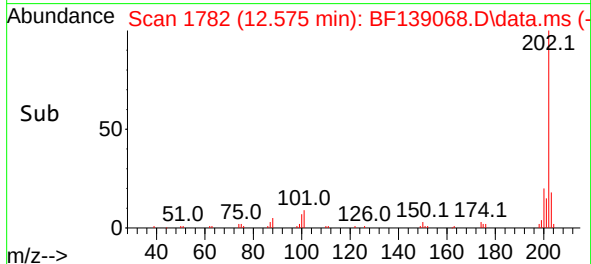
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:202 Resp: 4128
Ion Ratio Lower Upper
202 100
101 8.9 0.0 31.2
203 17.7 0.0 37.3

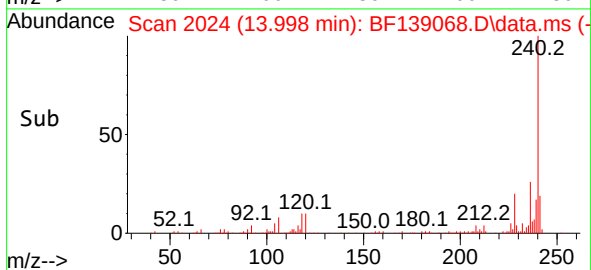
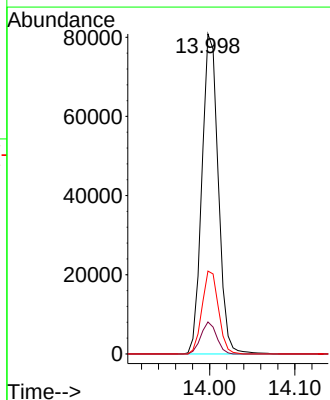
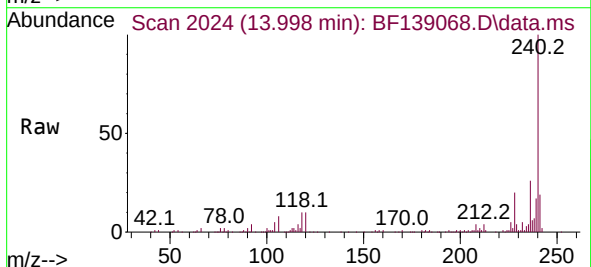
Manual Integrations
APPROVED

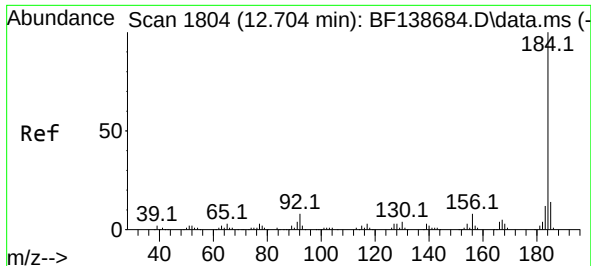
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

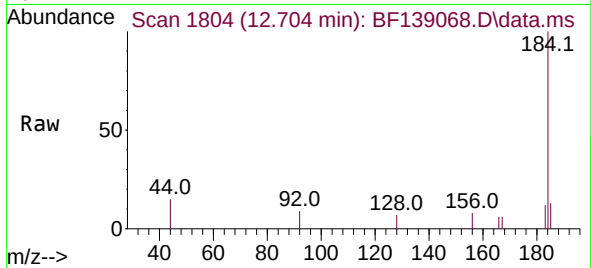
Tgt Ion:240 Resp: 107712
Ion Ratio Lower Upper
240 100
120 10.0 10.2 15.4#
236 25.9 19.8 29.8





#77
Benzidine
Concen: 2.156 ng
RT: 12.704 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

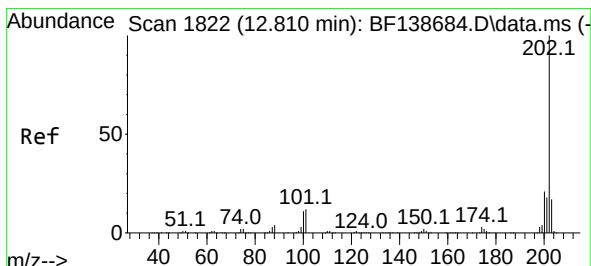
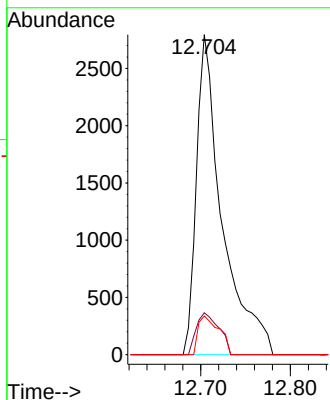
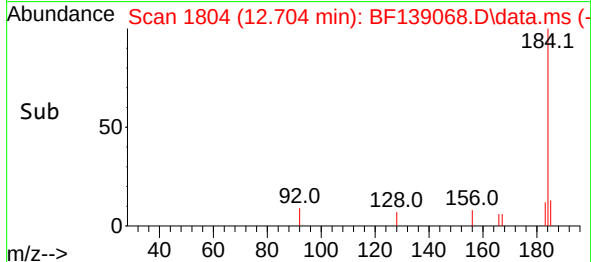
Instrument : BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



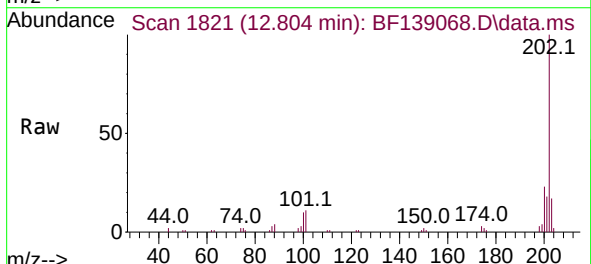
Tgt Ion:184 Resp: 5554
Ion Ratio Lower Upper
184 100
185 13.1 11.1 16.7
183 12.1 9.6 14.4

Manual Integrations
APPROVED

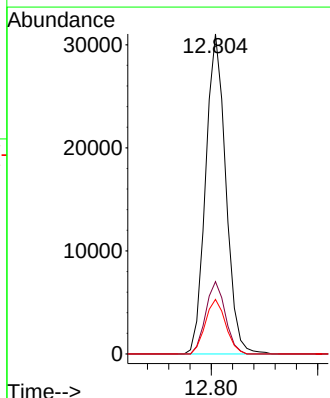
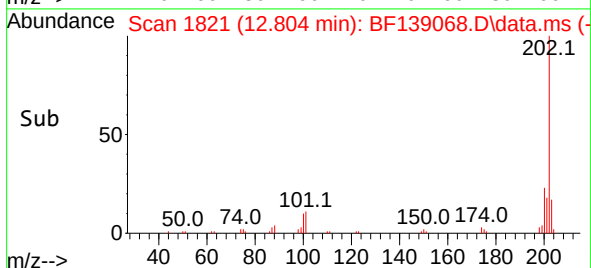
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

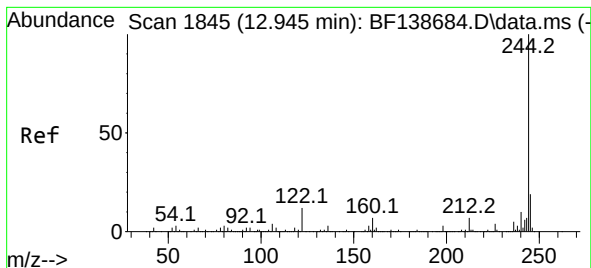


#78
Pyrene
Concen: 4.027 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



Tgt Ion:202 Resp: 40843
Ion Ratio Lower Upper
202 100
200 22.6 16.8 25.2
203 17.1 13.8 20.6





#79

Terphenyl-d14

Concen: 99.003 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF139068.D

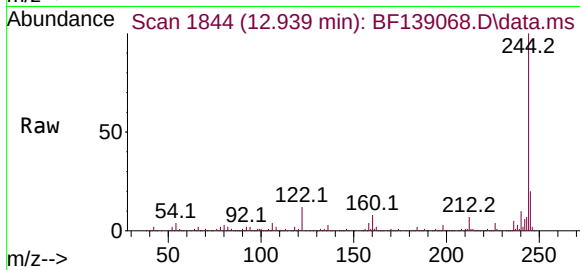
Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2024



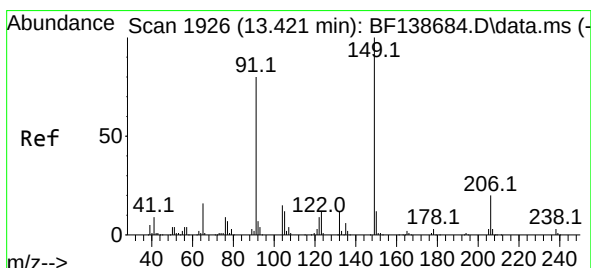
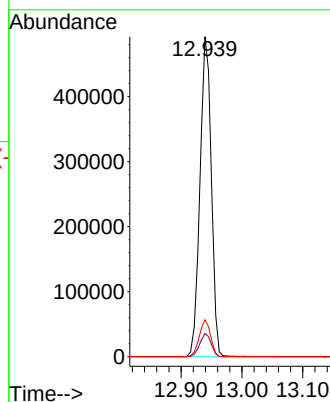
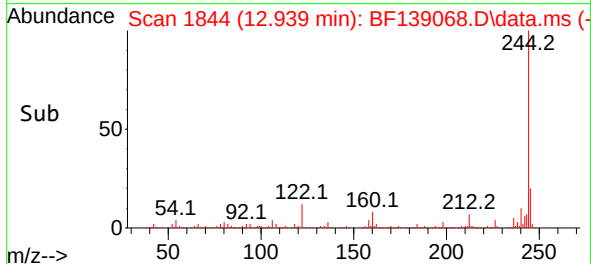
Tgt Ion:244 Resp: 636920

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.2
122	11.6	9.6	14.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#80

Butylbenzylphthalate

Concen: 4.507 ng

RT: 13.410 min Scan# 1924

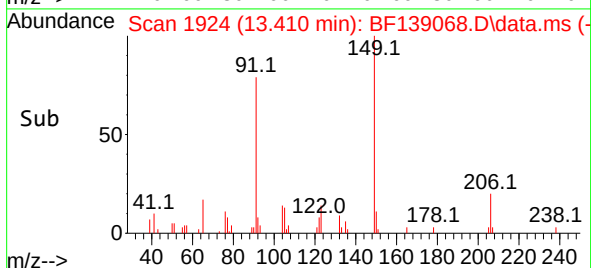
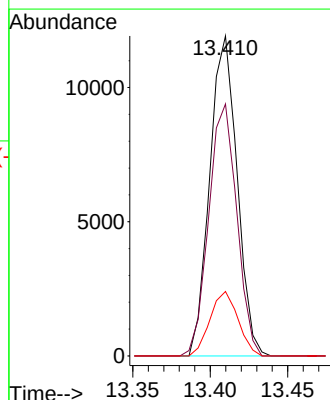
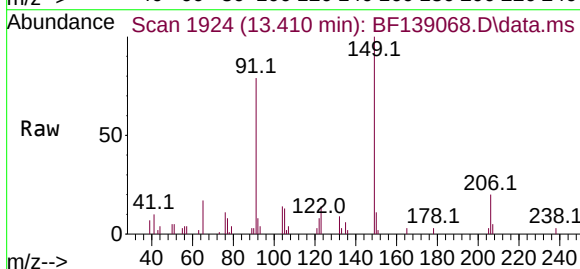
Delta R.T. -0.012 min

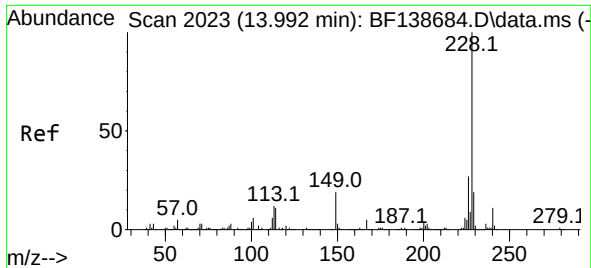
Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Tgt Ion:149 Resp: 14637

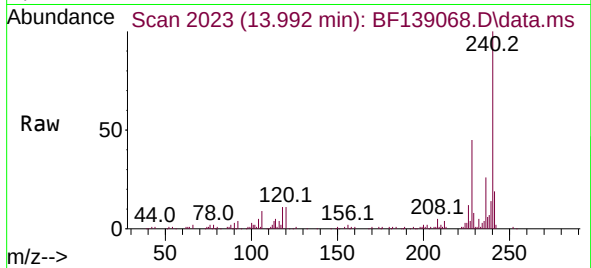
Ion	Ratio	Lower	Upper
149	100		
91	78.8	63.7	95.5
206	20.2	16.2	24.2





#81
Benzo(a)anthracene
Concen: 4.257 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

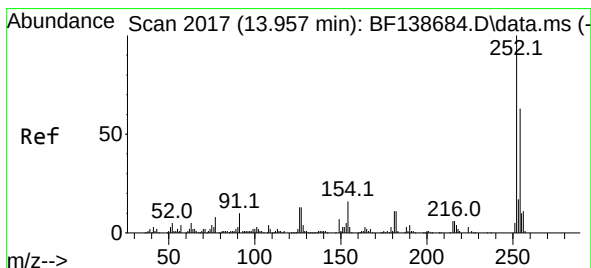
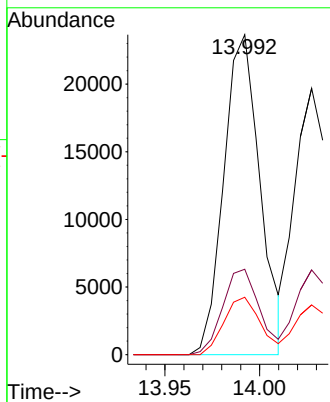
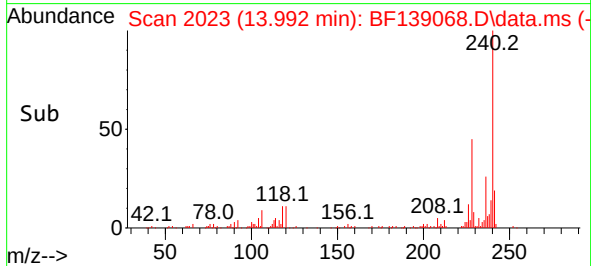
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



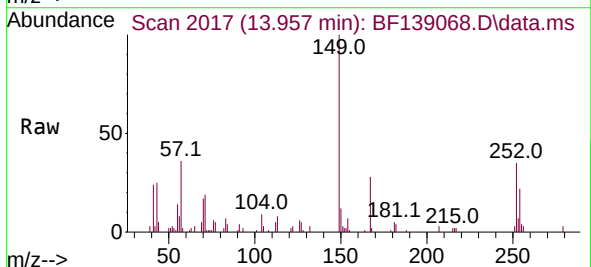
Tgt Ion:228 Resp: 3157
Ion Ratio Lower Upper
228 100
226 26.7 22.1 33.1
229 18.0 15.4 23.0

Manual Integrations
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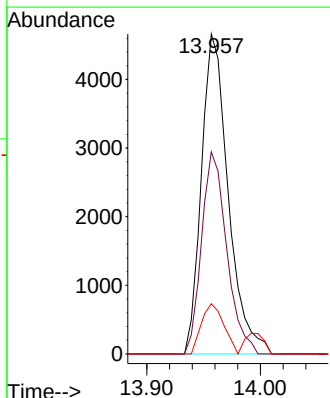
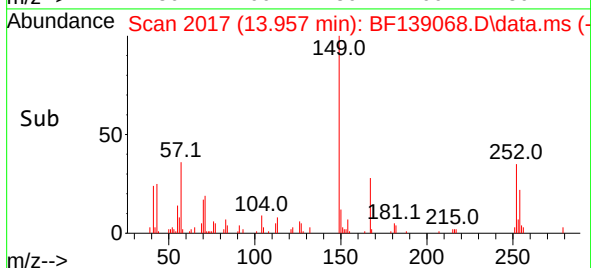
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

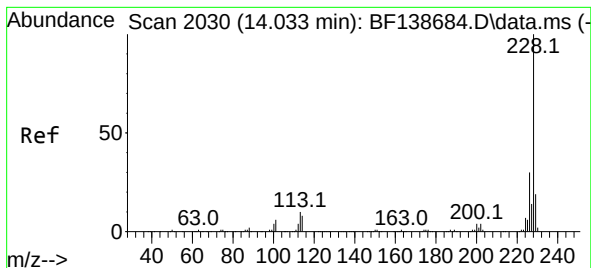


#82
3,3'-Dichlorobenzidine
Concen: 4.022 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



Tgt Ion:252 Resp: 7635
Ion Ratio Lower Upper
252 100
254 63.1 50.8 76.2
126 15.7 10.2 15.2#





#83

Chrysene

Concen: 3.952 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

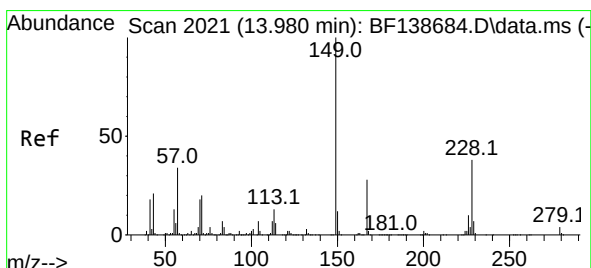
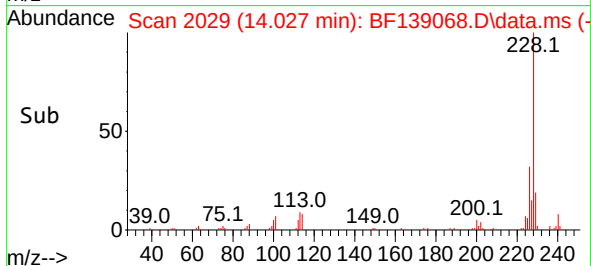
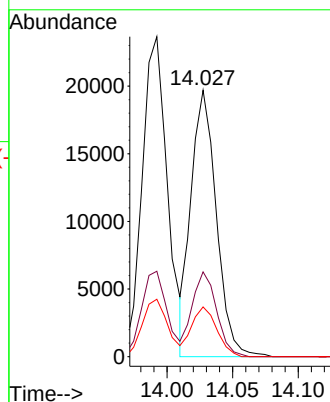
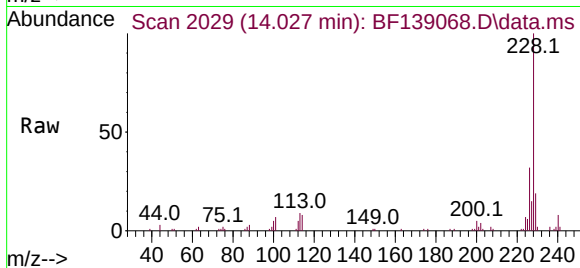
MDL-SOIL-03-QT3-2024

Tgt Ion: 228	Resp: 2644
Ion Ratio	Lower Upper
228 100	
226 31.8	23.7 35.5
229 18.7	15.0 22.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.837 ng

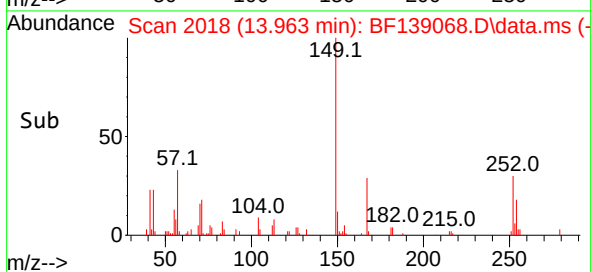
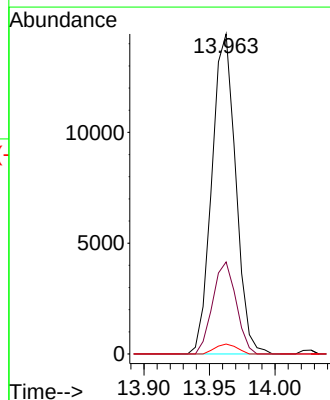
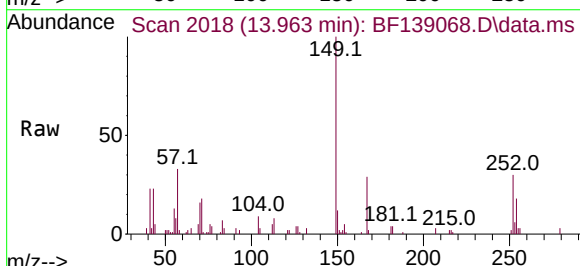
RT: 13.963 min Scan# 2018

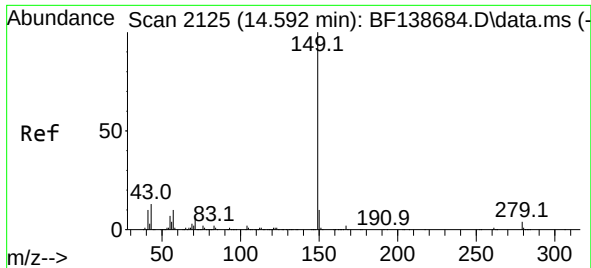
Delta R.T. -0.018 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

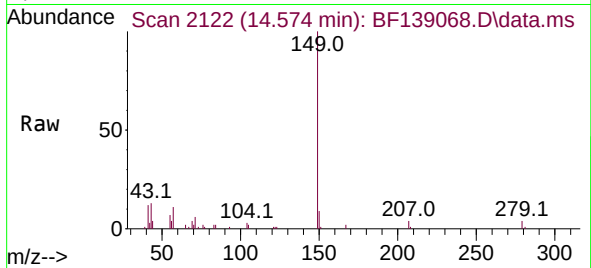
Tgt Ion: 149	Resp: 18247
Ion Ratio	Lower Upper
149 100	
167 28.7	22.2 33.4
279 3.1	3.4 5.0





#85
Di-n-octyl phthalate
Concen: 2.665 ng
RT: 14.574 min Scan# 2125
Delta R.T. -0.018 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

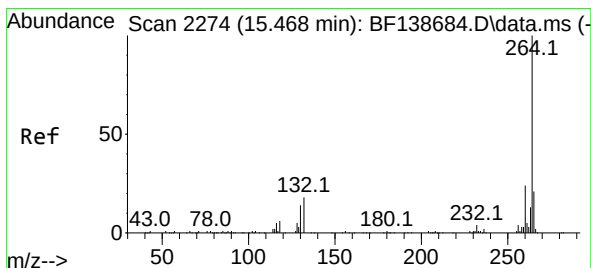
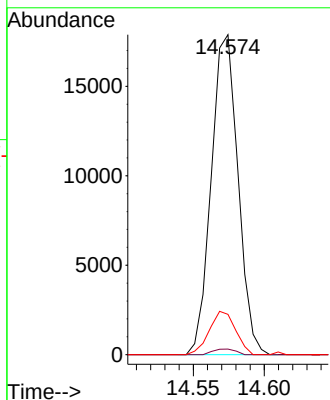
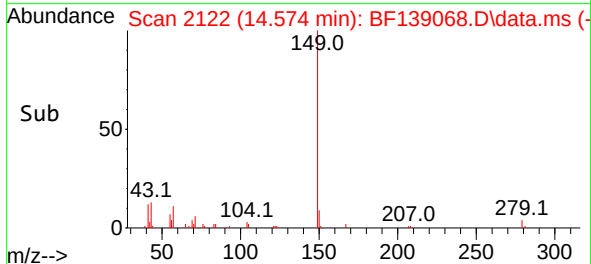
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



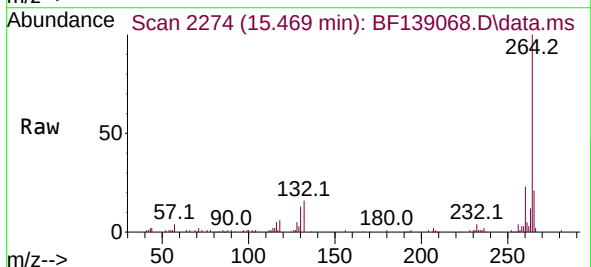
Tgt Ion:149 Resp: 2344
Ion Ratio Lower Upper
149 100
167 1.5 1.4 2.0
43 13.3 10.4 15.6

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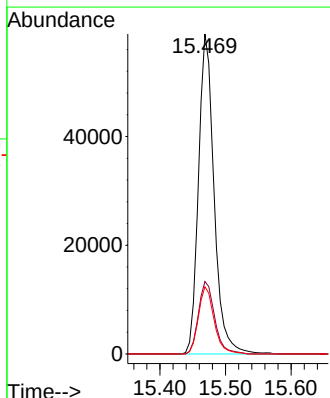
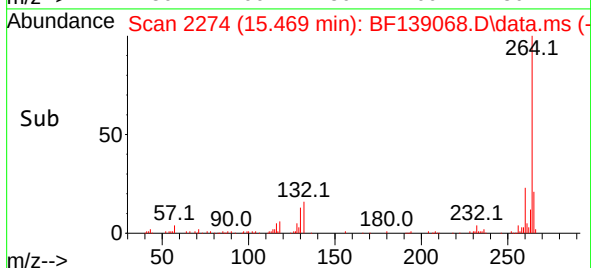
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

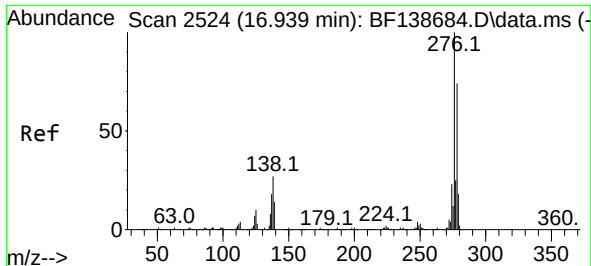


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.469 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



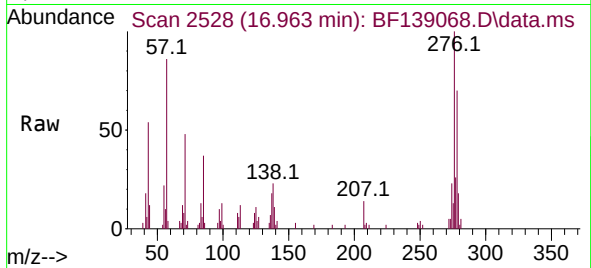
Tgt Ion:264 Resp: 97675
Ion Ratio Lower Upper
264 100
260 22.7 19.0 28.6
265 21.0 17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.402 ng
RT: 16.963 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

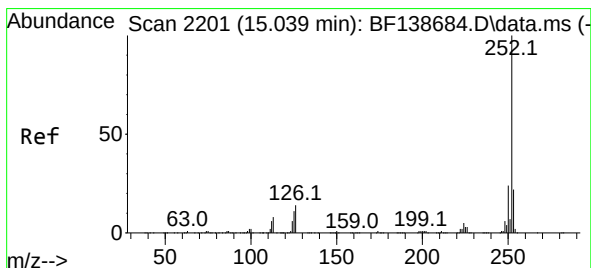
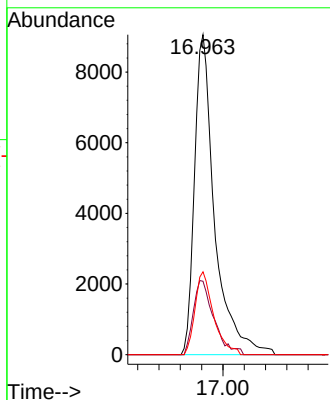
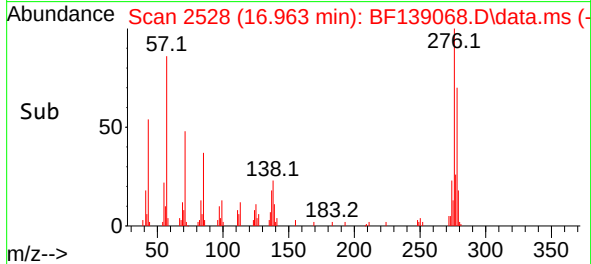
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion: 276 Resp: 23810
Ion Ratio Lower Upper
276 100
138 23.5 21.8 32.8
277 23.8 20.6 30.8

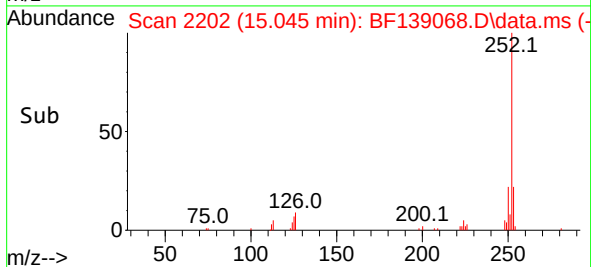
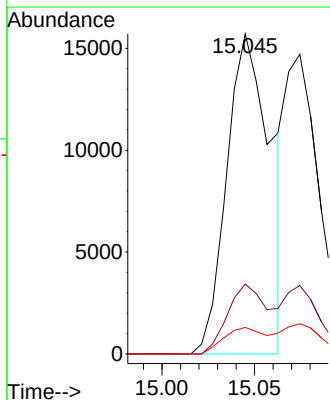
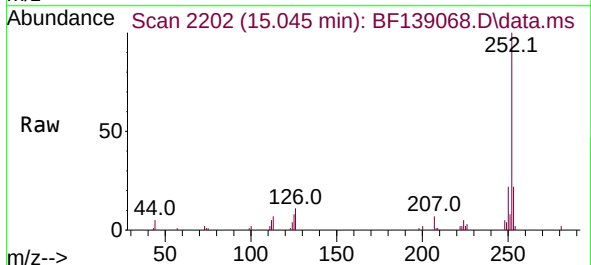
Manual Integrations
APPROVED

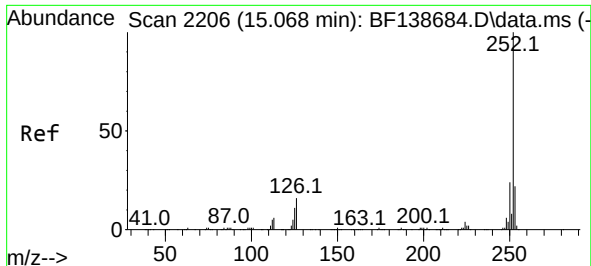
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#88
Benzo(b)fluoranthene
Concen: 4.273 ng m
RT: 15.045 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

Tgt Ion: 252 Resp: 25875
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 8.3 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 3.673 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

Instrument :

BNA_F

ClientSampleId :

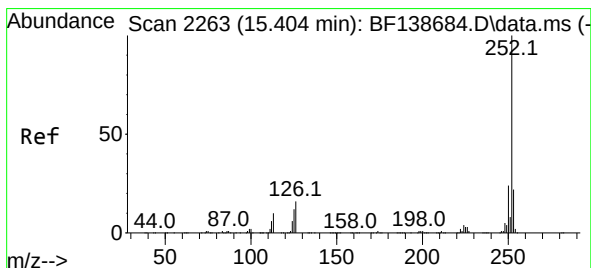
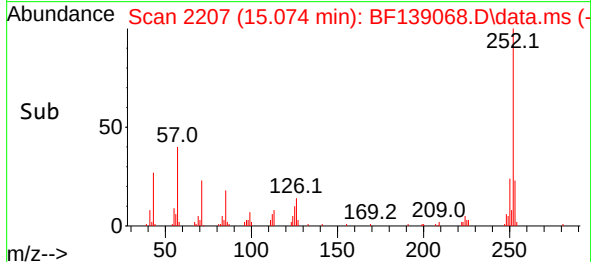
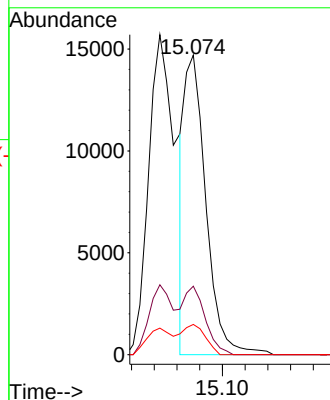
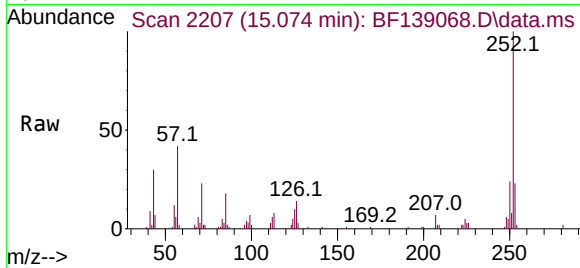
MDL-SOIL-03-QT3-2024

Tgt Ion:252	Resp:	1925
Ion Ratio	Lower	Upper
252	100	
253	22.9	17.4 26.0
125	10.1	8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#90

Benzo(a)pyrene

Concen: 4.181 ng

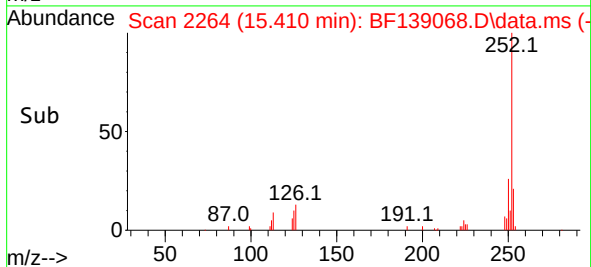
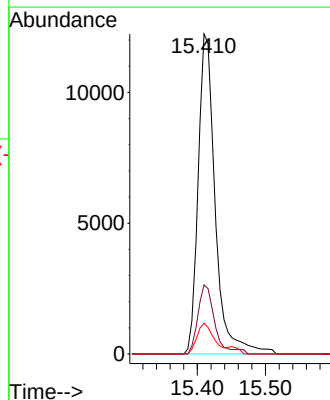
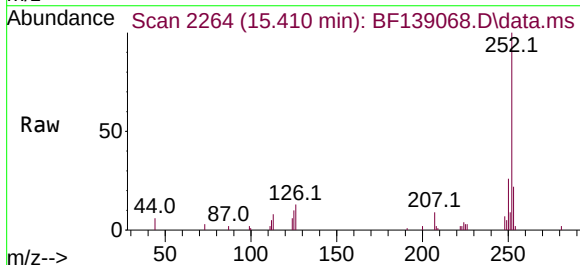
RT: 15.410 min Scan# 2264

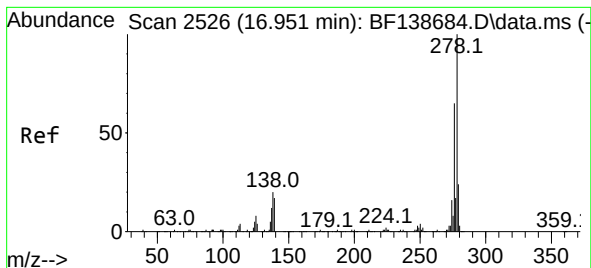
Delta R.T. 0.006 min

Lab File: BF139068.D

Acq: 19 Aug 2024 11:16

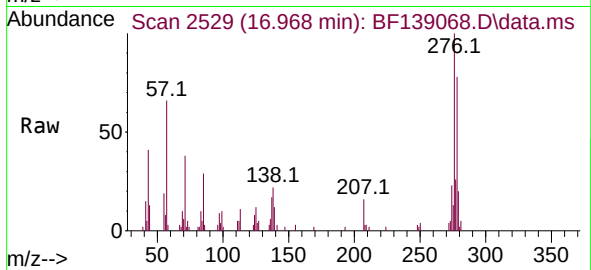
Tgt Ion:252	Resp:	21294
Ion Ratio	Lower	Upper
252	100	
253	21.6	17.3 25.9
125	9.6	9.5 14.3





#91
Dibenzo(a,h)anthracene
Concen: 3.288 ng
RT: 16.968 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16

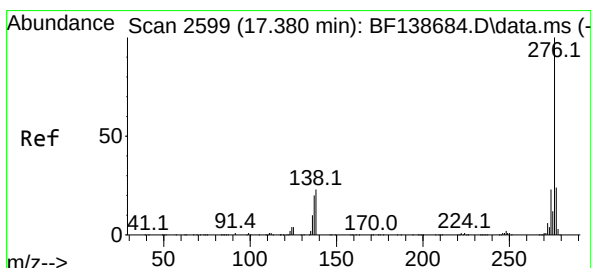
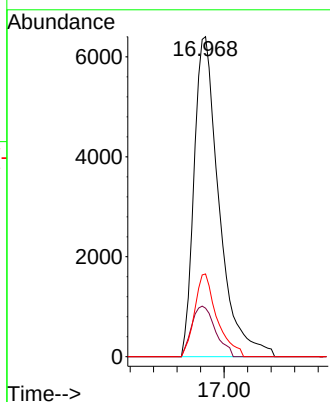
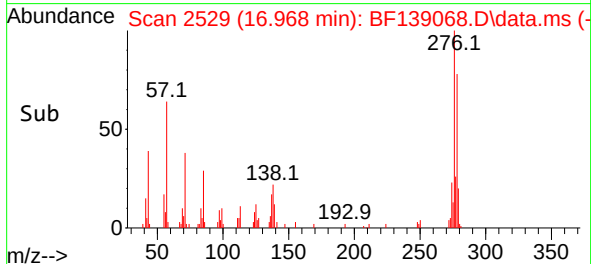
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2024



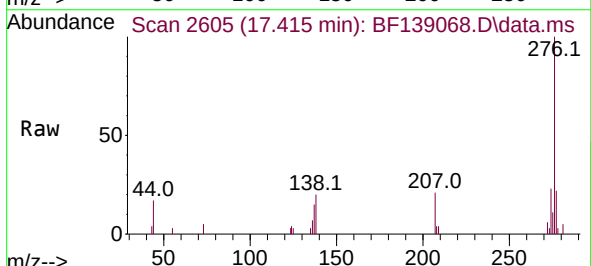
Tgt Ion: 278 Resp: 18894
Ion Ratio Lower Upper
278 100
139 15.1 14.0 21.0
279 25.9 19.0 28.4

Manual Integrations
APPROVED

Reviewed By : Jagrut Upadhyay 08/20/2024
Supervised By : mohammad ahmed 08/21/2024



#92
Benzo(g,h,i)perylene
Concen: 3.220 ng
RT: 17.415 min Scan# 2605
Delta R.T. 0.035 min
Lab File: BF139068.D
Acq: 19 Aug 2024 11:16



Tgt Ion: 276 Resp: 19197
Ion Ratio Lower Upper
276 100
277 22.3 19.0 28.4
138 20.2 18.5 27.7

