

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
 Data File : BF134084.D
 Acq On : 06 Jul 2023 01:05
 Operator : CG\JU
 Sample : 03473-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-011

Quant Time: Jul 06 01:37:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

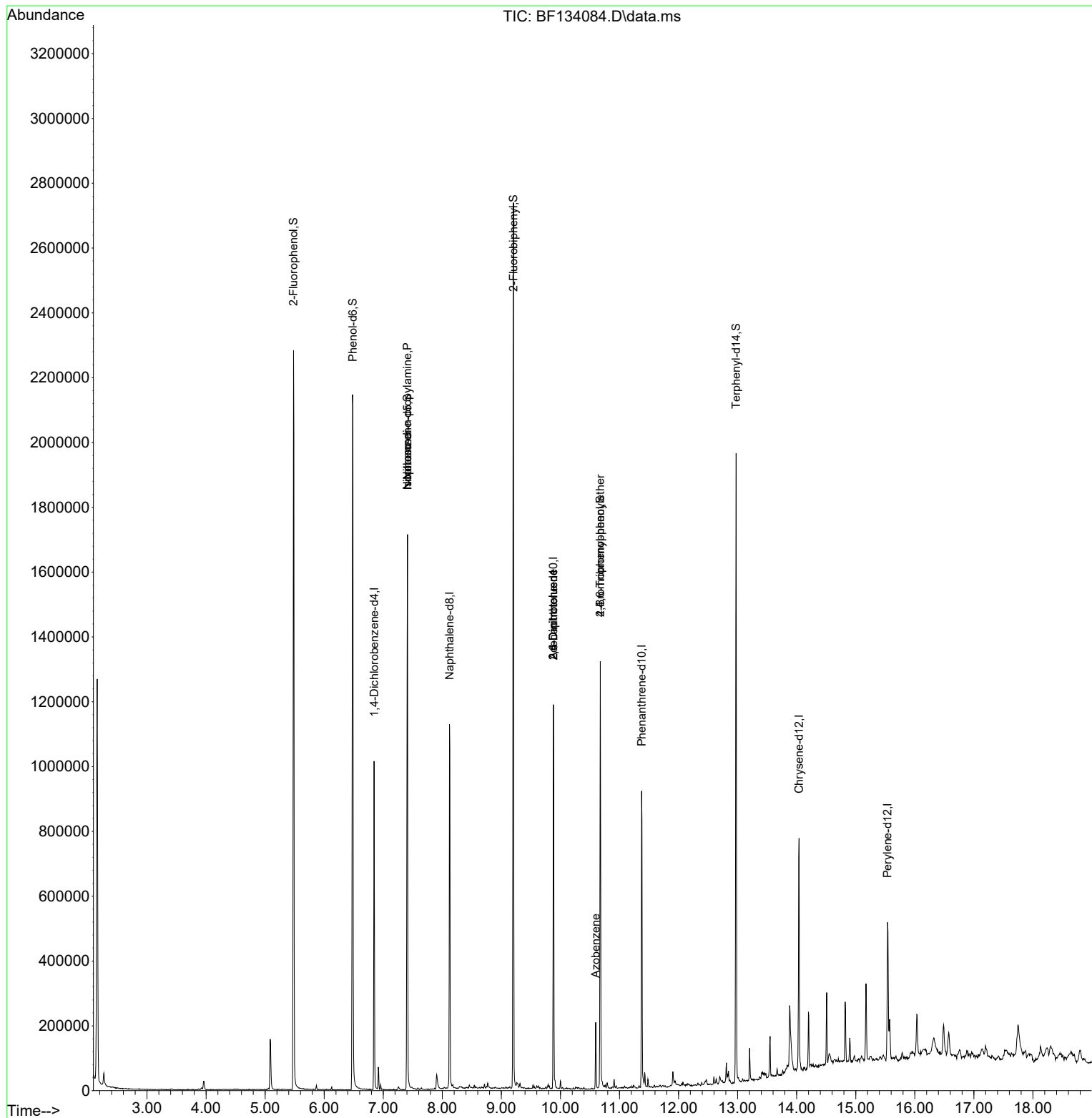
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	131654	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	502441	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	222542	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	355594	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	253554	20.000	ng	-0.01
86) Perylene-d12	15.539	264	210604	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	626534	79.606	ng	0.00
7) Phenol-d6	6.487	99	753131	77.810	ng	0.00
23) Nitrobenzene-d5	7.410	82	499061	53.543	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	147907	53.009	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	826240	53.979	ng	0.00
79) Terphenyl-d14	12.974	244	645794	40.991	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	120	Below Cal	#	33
19) n-Nitroso-di-n-propyla...	7.410	70	71034	11.573	ng	# 77
25) Isophorone	7.410	82	499057	29.460	ng	# 64
51) 2,6-Dinitrotoluene	9.880	165	28304	8.135	ng	# 24
57) 2,4-Dinitrotoluene	9.880	165	28304	6.160	ng	# 22
63) Azobenzene	10.598	77	32806	2.061	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	9241	2.445	ng	# 1

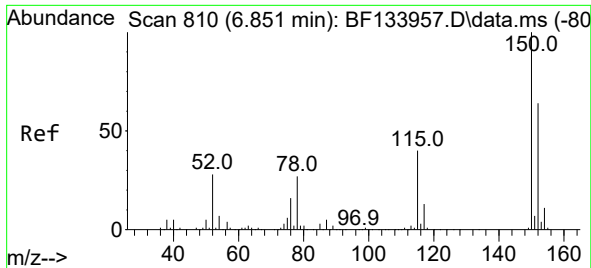
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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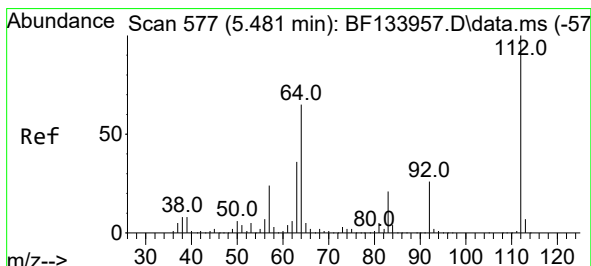
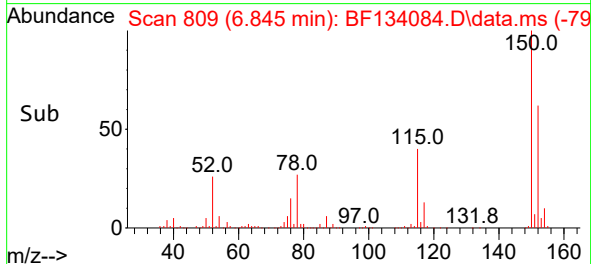
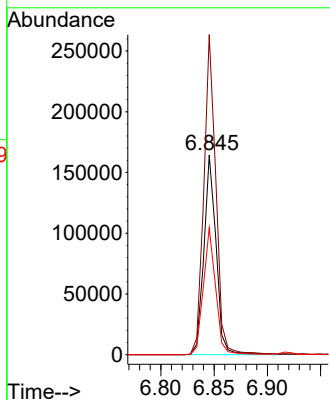
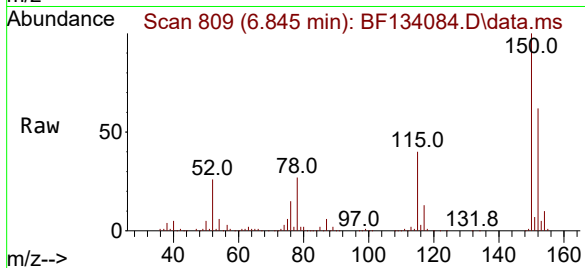




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

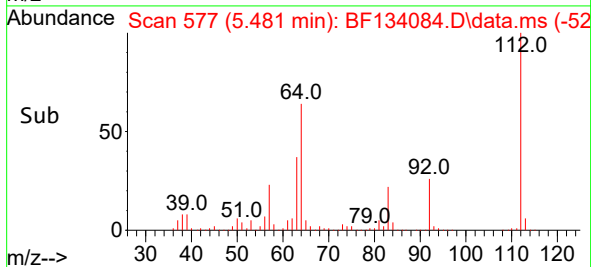
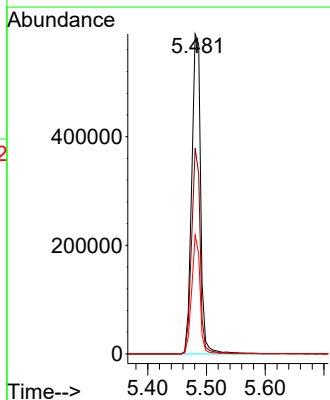
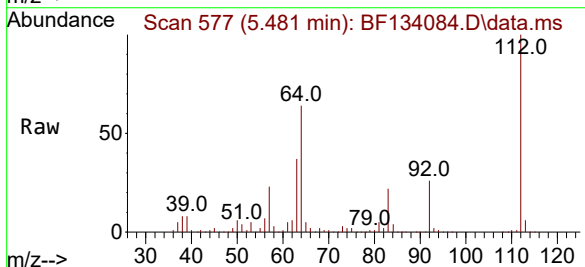
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-011

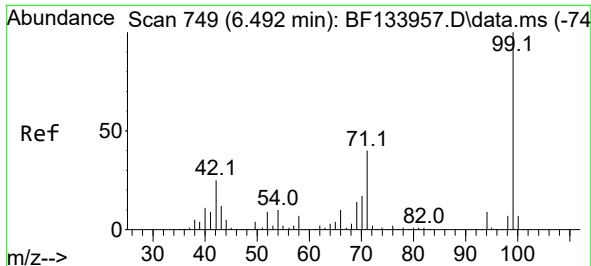
Tgt Ion:152 Resp: 131654
Ion Ratio Lower Upper
152 100
150 160.2 124.5 186.7
115 63.5 50.2 75.2



#5
2-Fluorophenol
Concen: 79.606 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

Tgt Ion:112 Resp: 626534
Ion Ratio Lower Upper
112 100
64 64.3 52.1 78.1
63 37.1 28.6 42.8

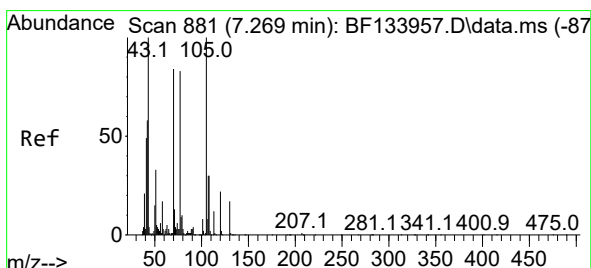
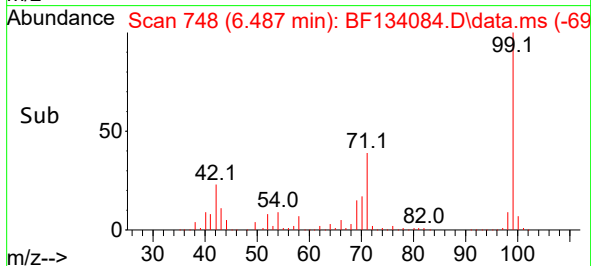
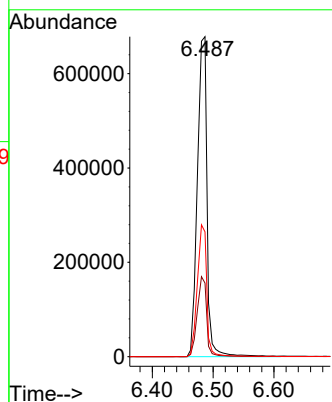
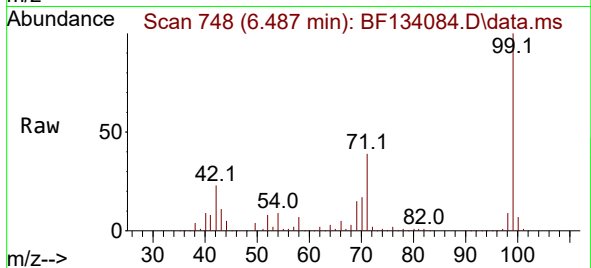




#7
Phenol-d6
Concen: 77.810 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

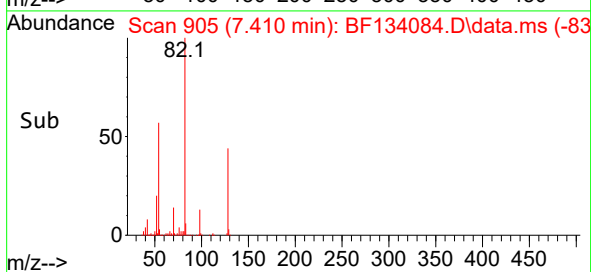
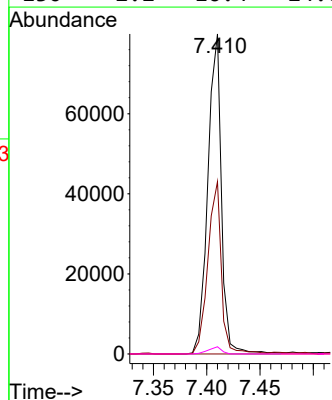
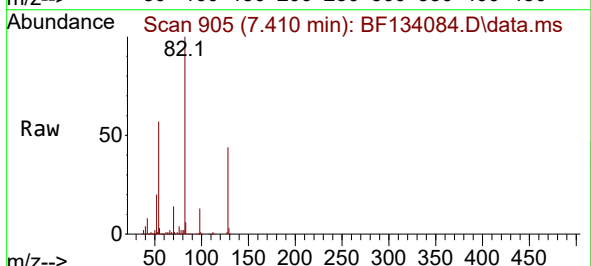
Instrument :
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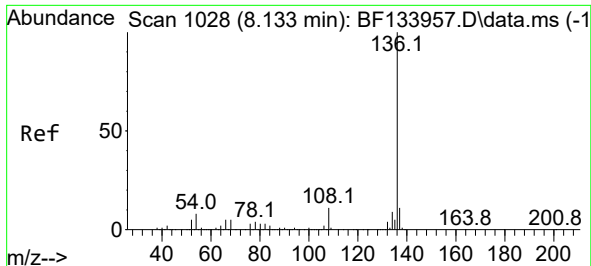
Tgt Ion: 99 Resp: 753131
Ion Ratio Lower Upper
99 100
42 23.0 19.8 29.6
71 39.0 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.573 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

Tgt Ion: 70 Resp: 71034
Ion Ratio Lower Upper
70 100
42 53.9 54.7 82.1#
101 0.0 7.7 11.5#
130 2.2 16.4 24.6#

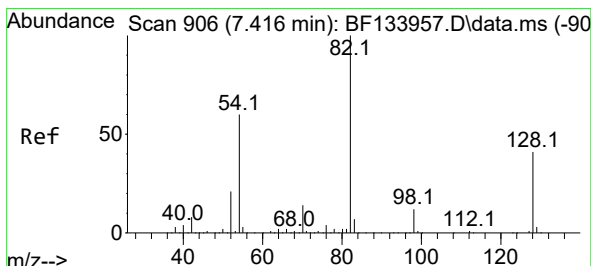
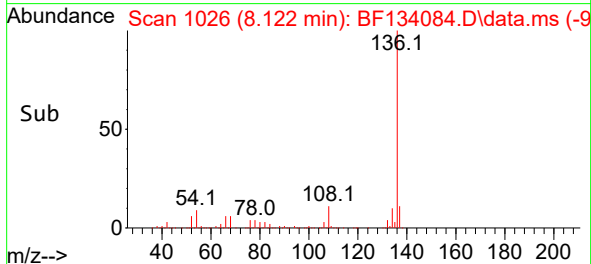
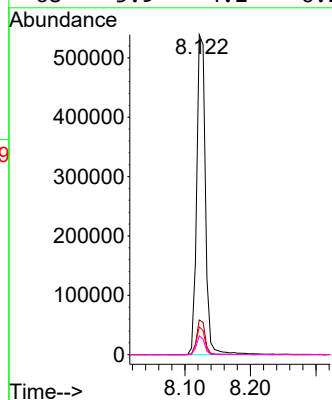
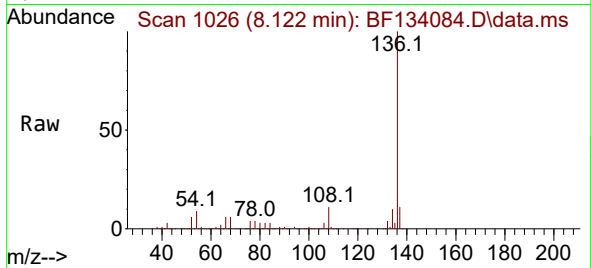




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

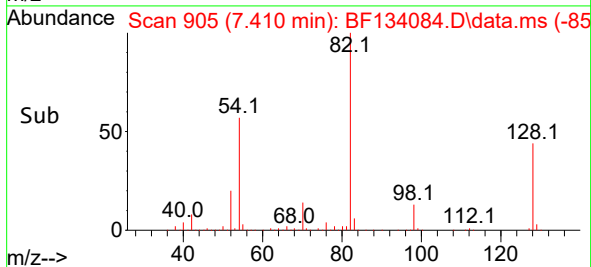
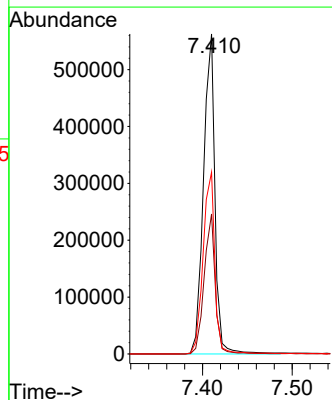
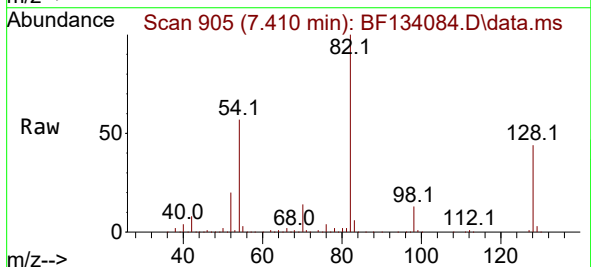
Instrument :
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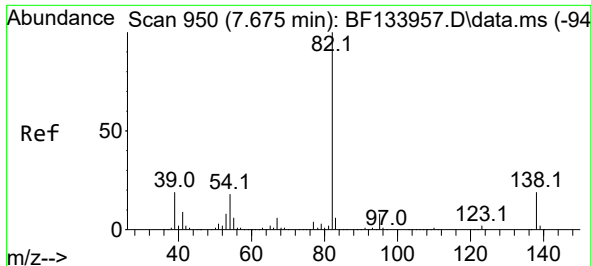
Tgt Ion:136 Resp: 502441
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 8.7 6.5 9.7
68 5.9 4.2 6.2



#23
Nitrobenzene-d5
Concen: 53.543 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

Tgt Ion: 82 Resp: 499061
Ion Ratio Lower Upper
82 100
128 43.8 32.5 48.7
54 56.8 48.2 72.2

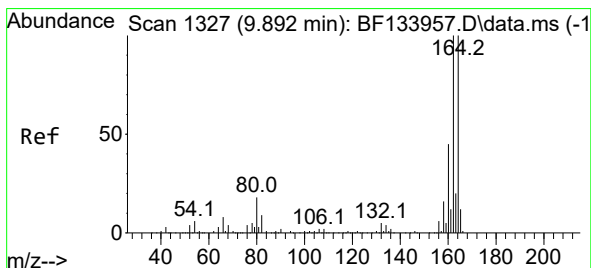
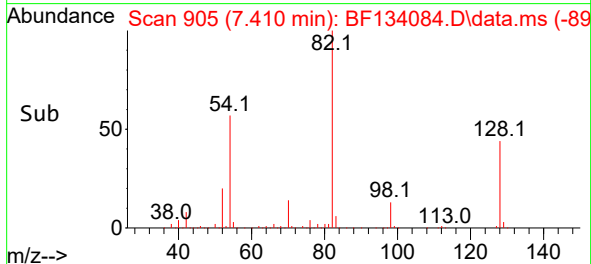
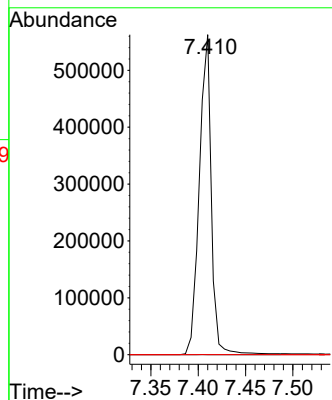
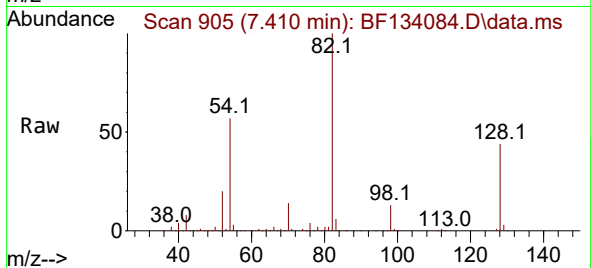




#25
Isophorone
Concen: 29.460 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

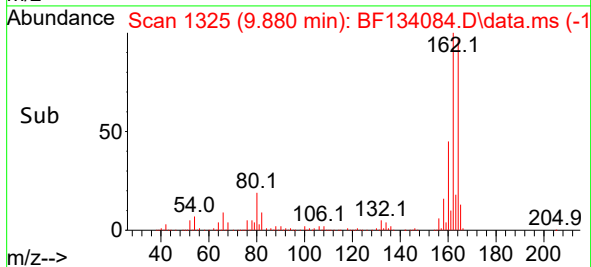
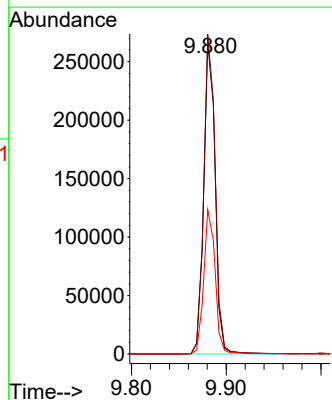
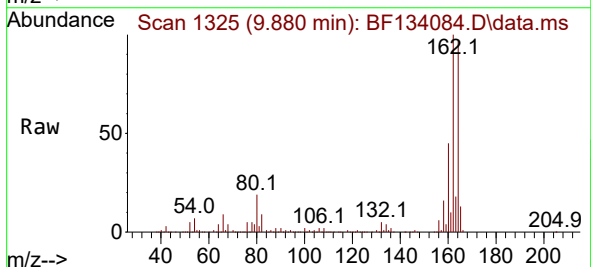
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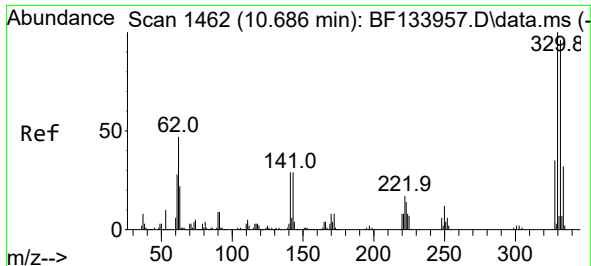
Tgt Ion: 82 Resp: 499057
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

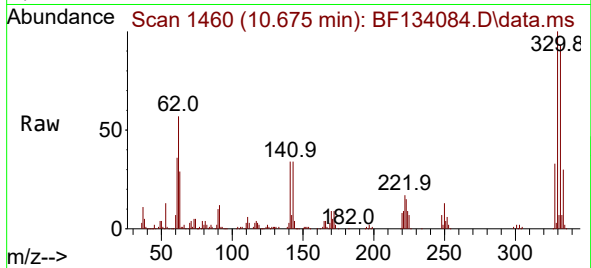
Tgt Ion:164 Resp: 222542
Ion Ratio Lower Upper
164 100
162 102.8 80.0 120.0
160 46.4 35.9 53.9



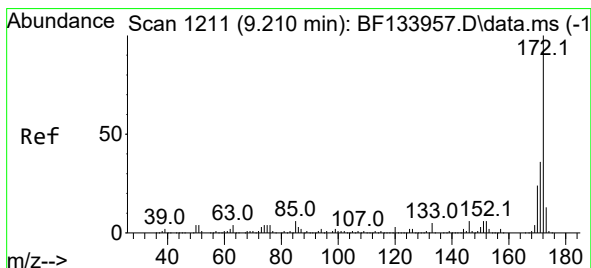
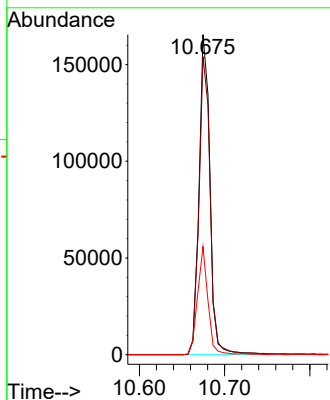
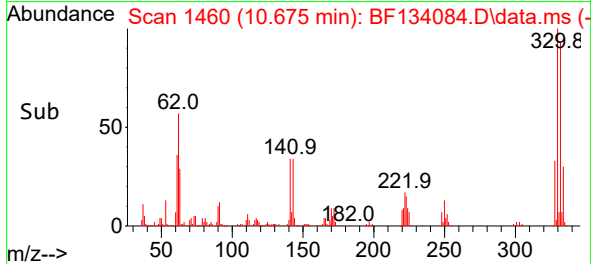


#42
2,4,6-Tribromophenol
Concen: 53.009 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

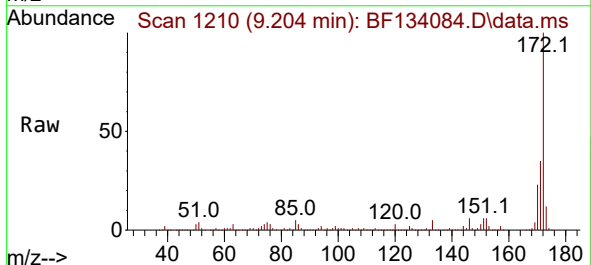
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ClientSampleId :
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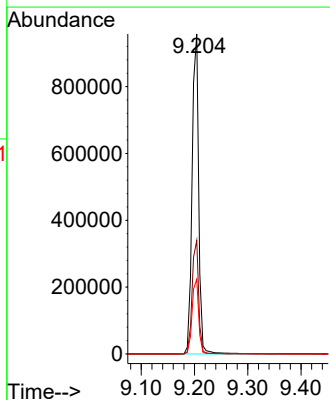
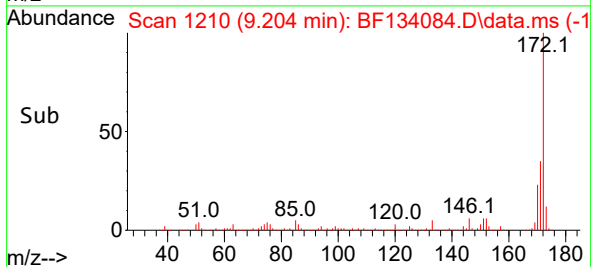
Tgt Ion:330 Resp: 147907
Ion Ratio Lower Upper
330 100
332 95.1 77.0 115.6
141 32.4 26.3 39.5

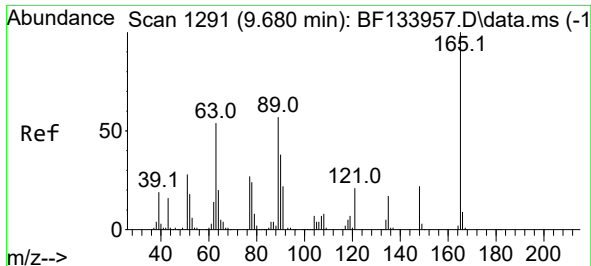


#45
2-Fluorobiphenyl
Concen: 53.979 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05



Tgt Ion:172 Resp: 826240
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.4 19.4 29.0

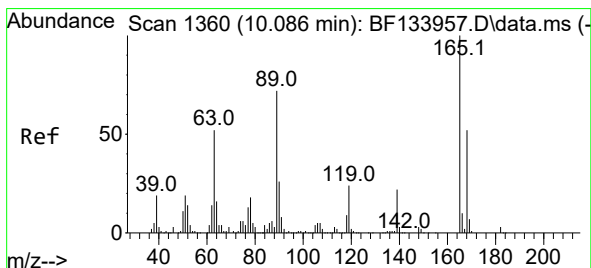
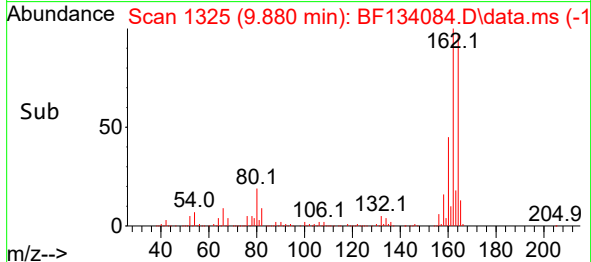
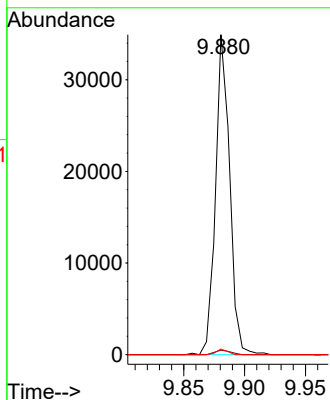
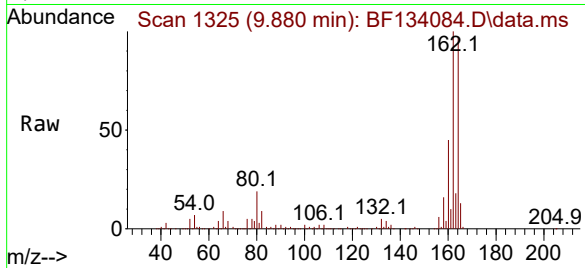




#51
2,6-Dinitrotoluene
Concen: 8.135 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.200 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

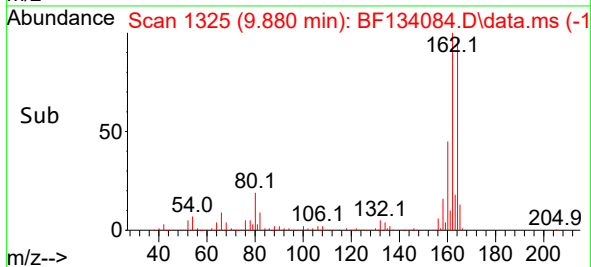
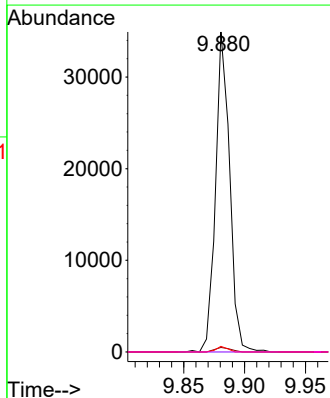
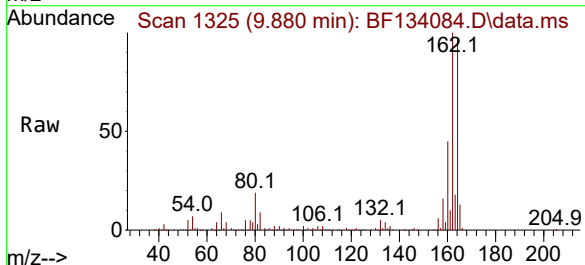
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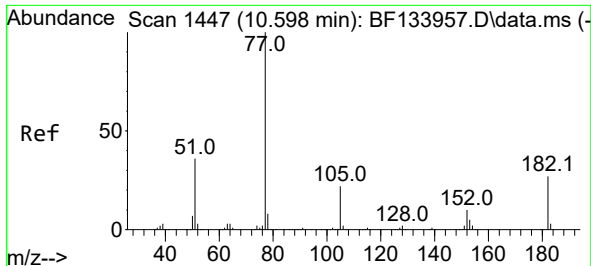
Tgt Ion:165 Resp: 28304
Ion Ratio Lower Upper
165 100
63 1.4 48.5 72.7#
89 1.8 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.160 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

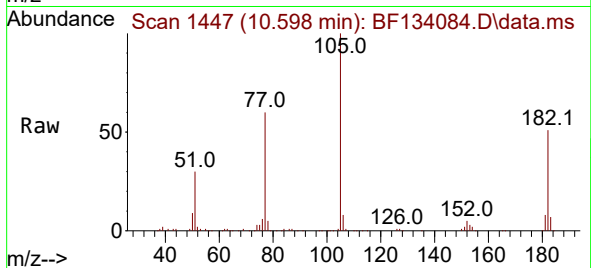
Tgt Ion:165 Resp: 28304
Ion Ratio Lower Upper
165 100
63 1.4 42.2 63.2#
89 1.8 57.4 86.2#
182 0.0 2.2 3.4#



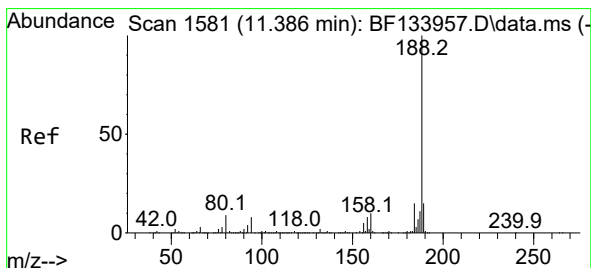
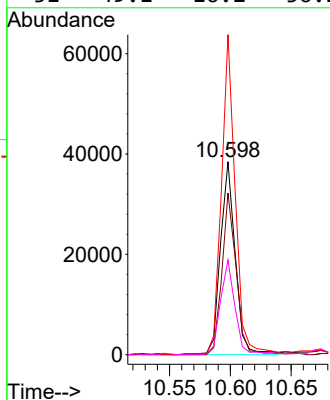
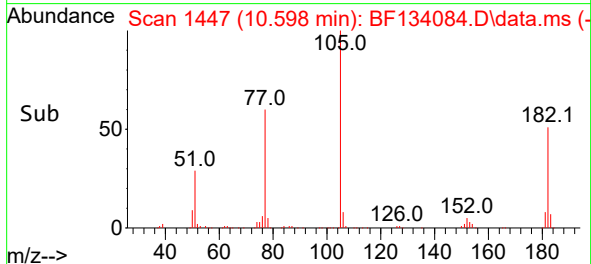


#63
Azobenzene
Concen: 2.061 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-011

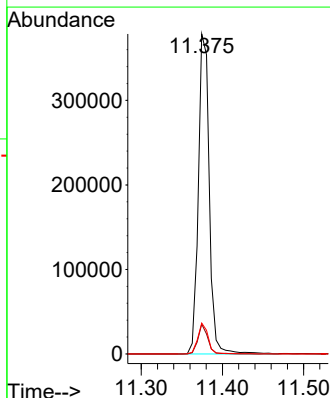
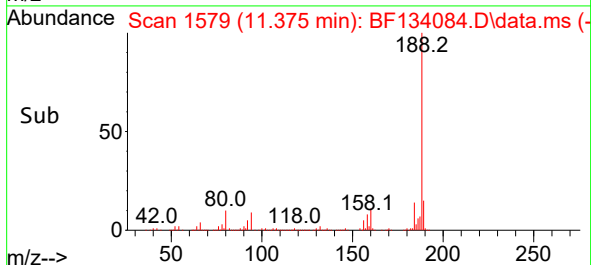
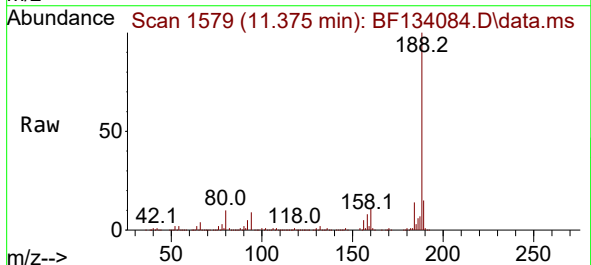


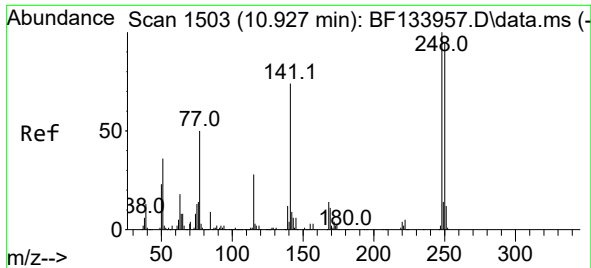
Tgt Ion: 77 Resp: 32806
Ion Ratio Lower Upper
77 100
182 83.8 6.8 46.8#
105 165.9 2.3 42.3#
51 49.1 16.2 56.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

Tgt Ion: 188 Resp: 355594
Ion Ratio Lower Upper
188 100
94 9.3 6.4 9.6
80 9.6 7.3 10.9

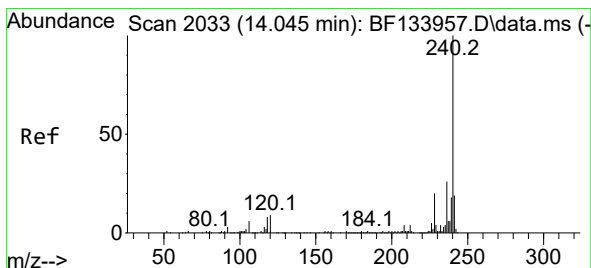
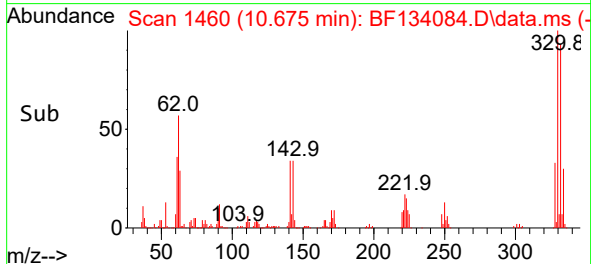
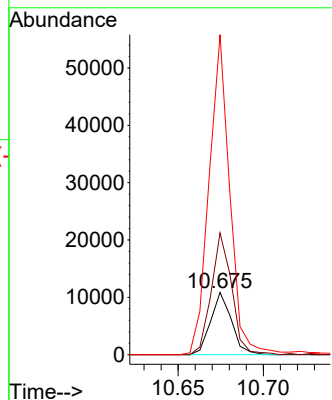
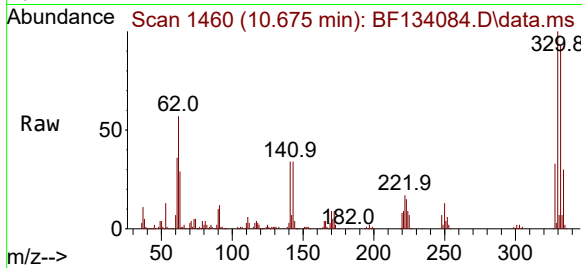




#67
4-Bromophenyl-phenylether
Concen: 2.445 ng
RT: 10.675 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

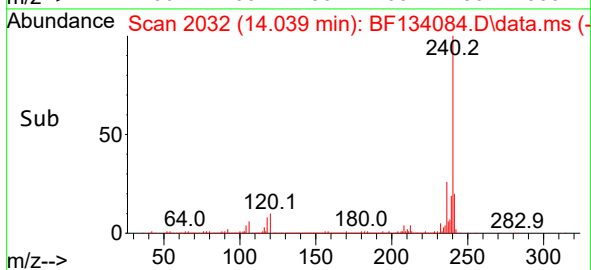
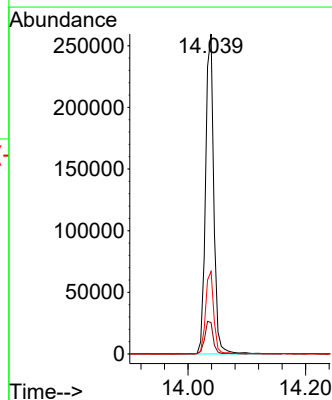
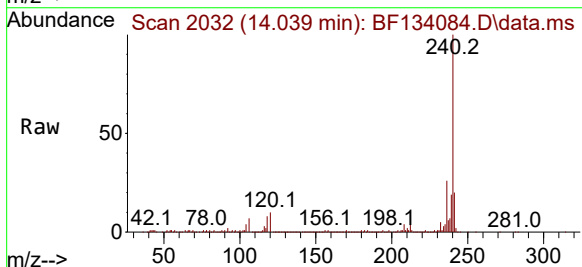
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-011

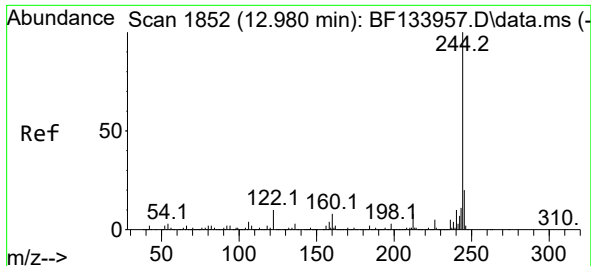
Tgt Ion:248 Resp: 9241
Ion Ratio Lower Upper
248 100
250 195.5 76.2 114.4#
141 514.2 59.0 88.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

Tgt Ion:240 Resp: 253554
Ion Ratio Lower Upper
240 100
120 9.8 7.4 11.0
236 25.8 21.0 31.6

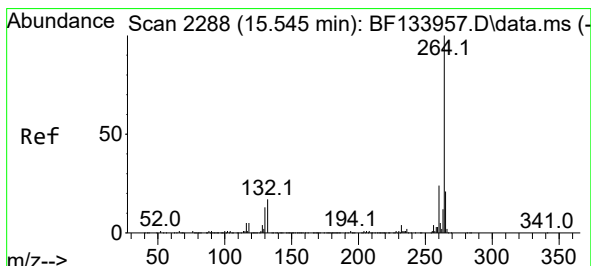
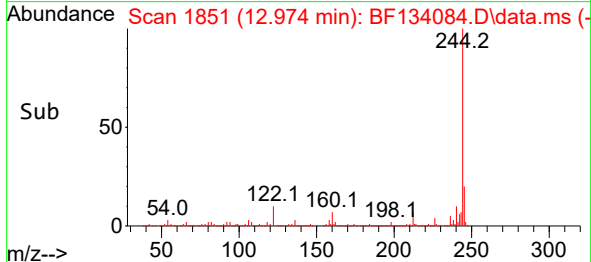
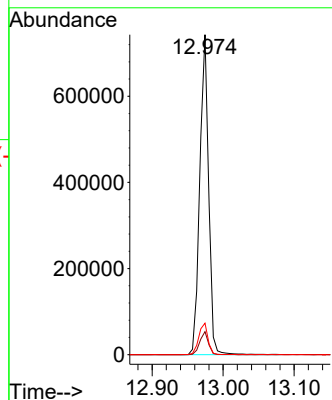
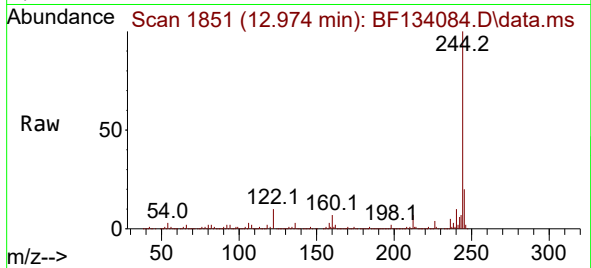




#79
 Terphenyl-d14
 Concen: 40.991 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF134084.D
 Acq: 06 Jul 2023 01:05

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-011

Tgt Ion:244 Resp: 645794
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 9.8 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2287
 Delta R.T. -0.012 min
 Lab File: BF134084.D
 Acq: 06 Jul 2023 01:05

Tgt Ion:264 Resp: 210604
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.5 29.3
 265 22.0 16.6 25.0

