

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
 Data File : BF134079.D
 Acq On : 05 Jul 2023 22:09
 Operator : CG\JU
 Sample : 03473-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-005

Quant Time: Jul 06 00:23:01 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)

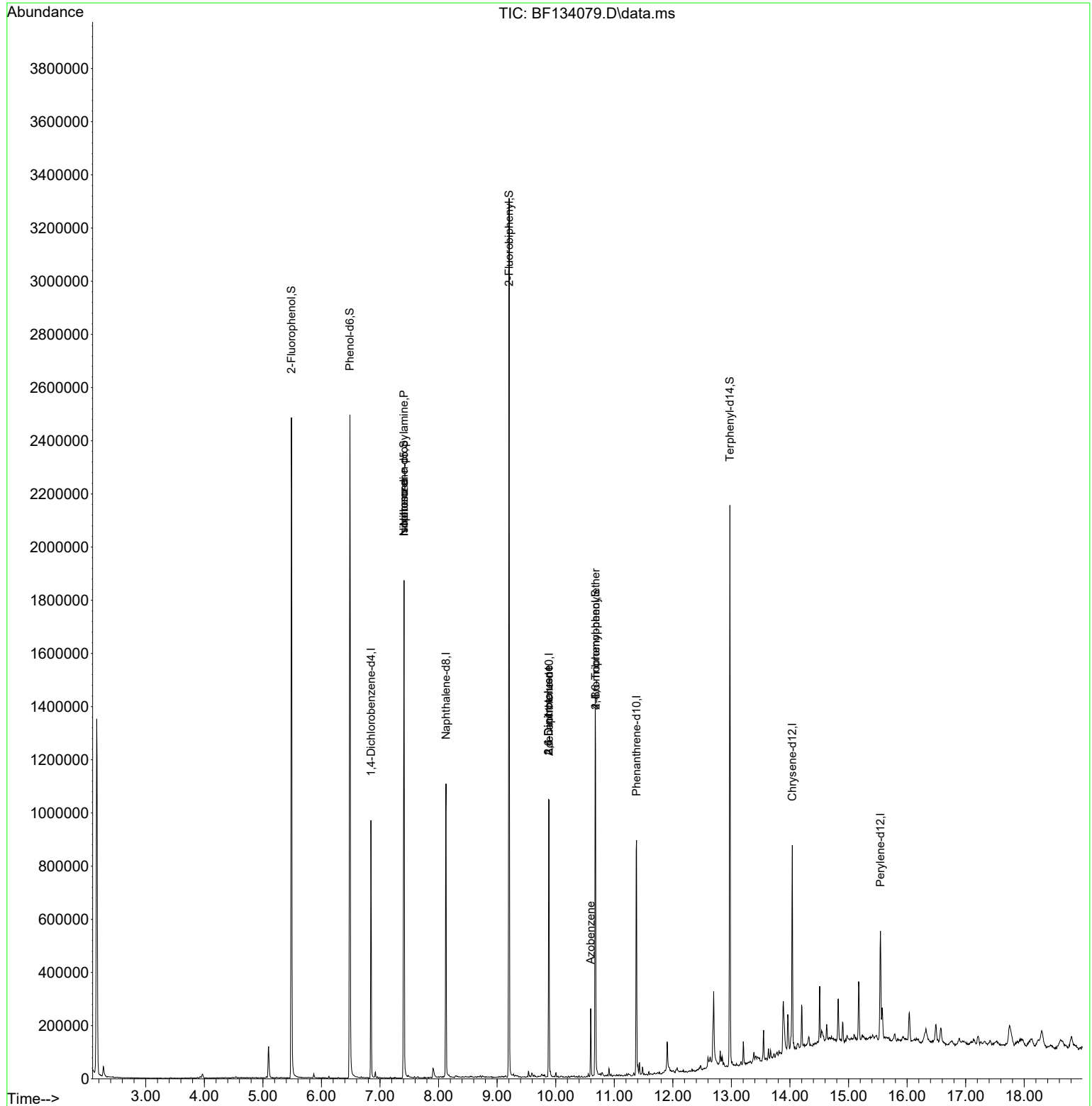
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	127321	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	476519	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	218531	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	349192	20.000	ng	0.00
76) Chrysene-d12	14.039	240	247565	20.000	ng	-0.01
86) Perylene-d12	15.545	264	198656	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	679497	89.274	ng	0.00
7) Phenol-d6	6.486	99	814409	87.005	ng	0.00
23) Nitrobenzene-d5	7.410	82	545416	61.699	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	174226	63.587	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	899531	59.846	ng	0.00
79) Terphenyl-d14	12.974	244	697049	45.315	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.404	77	425	Below Cal	#	26
19) n-Nitroso-di-n-propyla...	7.410	70	76342	12.861	ng	# 77
25) Isophorone	7.410	82	543919	33.855	ng	# 64
51) 2,6-Dinitrotoluene	9.880	165	27985	8.191	ng	# 24
57) 2,4-Dinitrotoluene	9.880	165	27985	6.202	ng	# 22
63) Azobenzene	10.598	77	42755	2.735	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	10929	2.945	ng	# 1

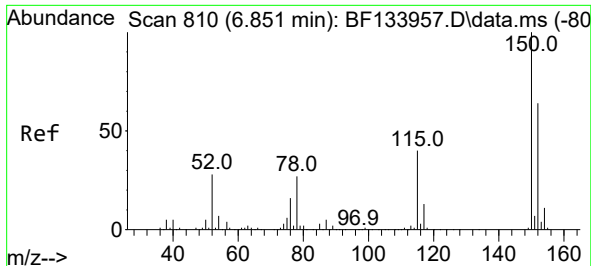
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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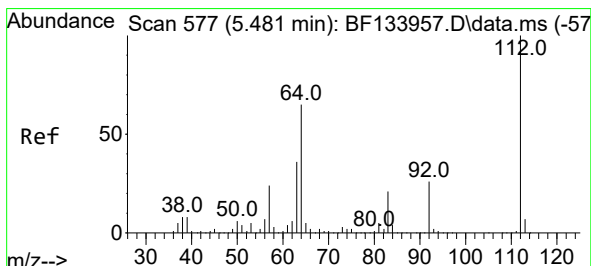
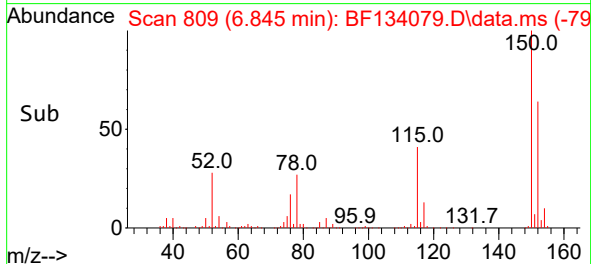
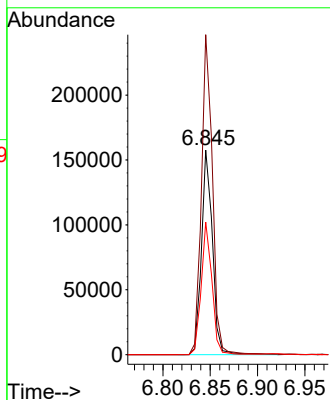
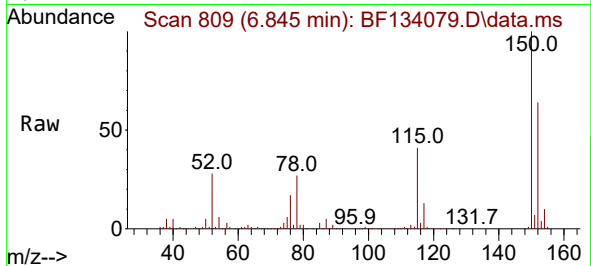




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09

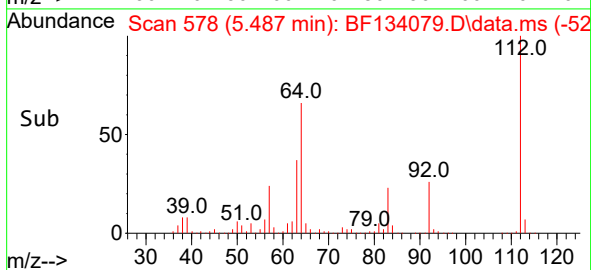
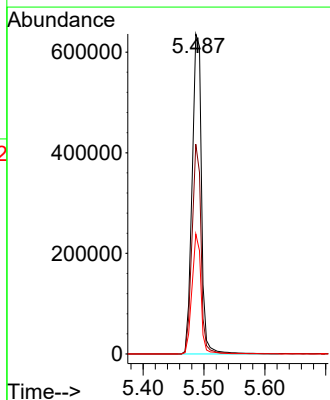
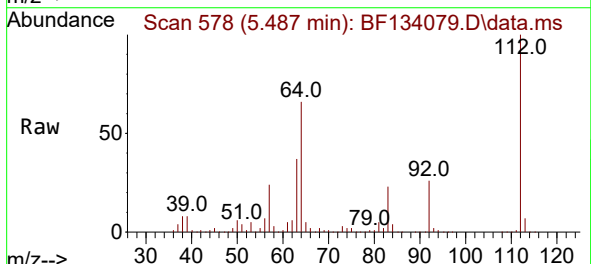
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-005

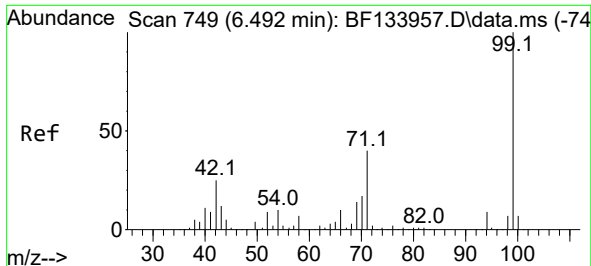
Tgt Ion:152 Resp: 127321
Ion Ratio Lower Upper
152 100
150 156.3 124.5 186.7
115 64.8 50.2 75.2



#5
2-Fluorophenol
Concen: 89.274 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09

Tgt Ion:112 Resp: 679497
Ion Ratio Lower Upper
112 100
64 65.5 52.1 78.1
63 37.5 28.6 42.8

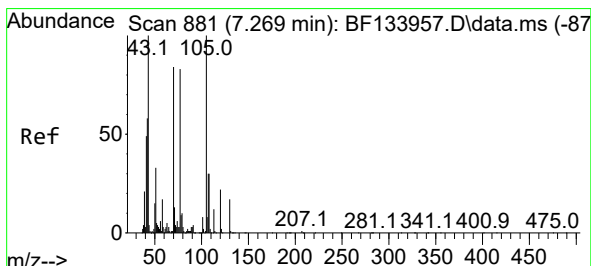
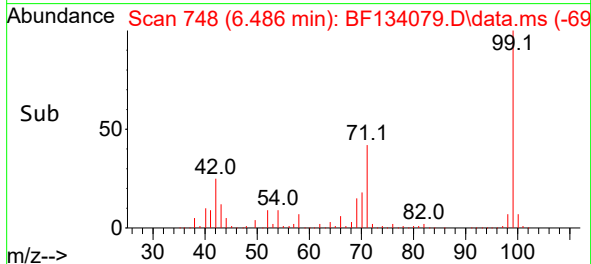
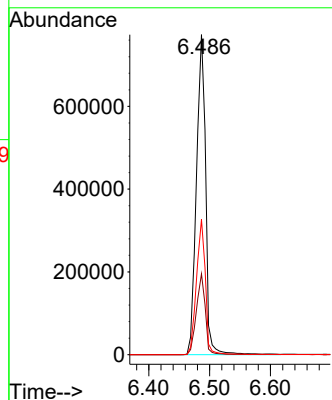
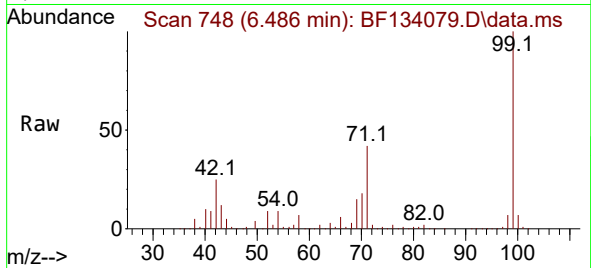




#7
Phenol-d6
Concen: 87.005 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09

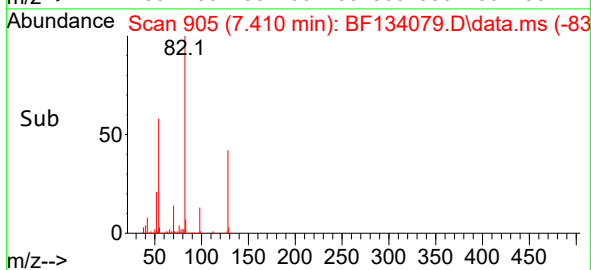
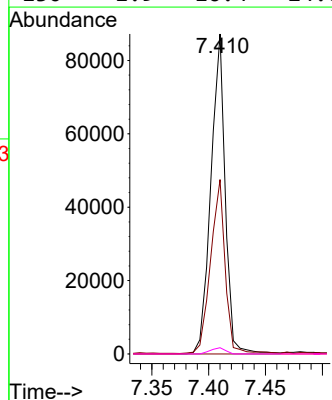
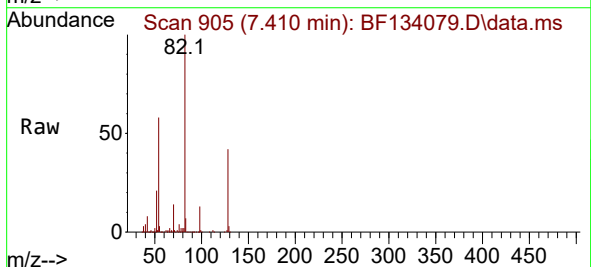
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-005

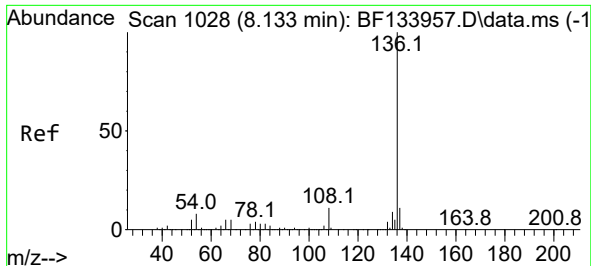
Tgt Ion: 99 Resp: 814409
Ion Ratio Lower Upper
99 100
42 25.2 19.8 29.6
71 42.3 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.861 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09

Tgt Ion: 70 Resp: 76342
Ion Ratio Lower Upper
70 100
42 54.5 54.7 82.1#
101 0.0 7.7 11.5#
130 1.9 16.4 24.6#

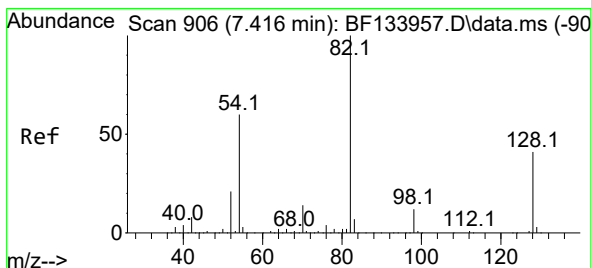
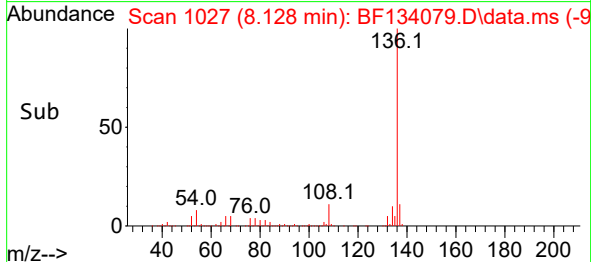
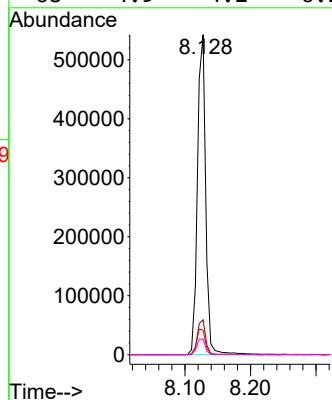
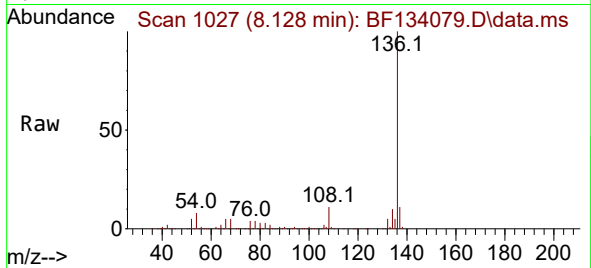




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09

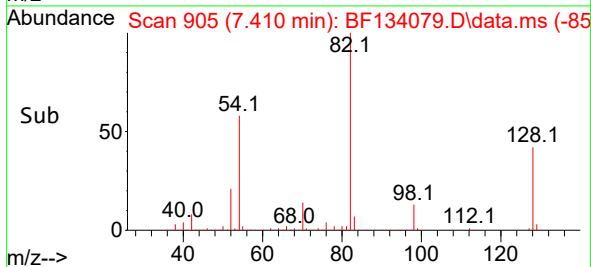
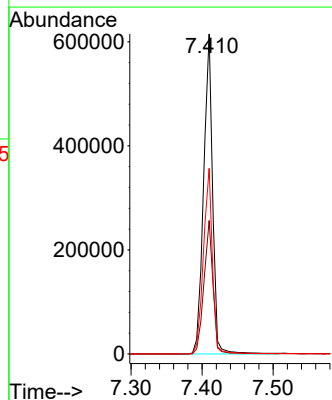
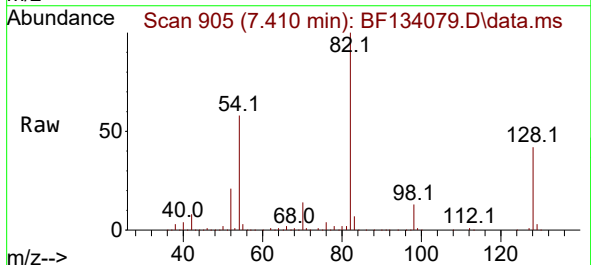
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-005

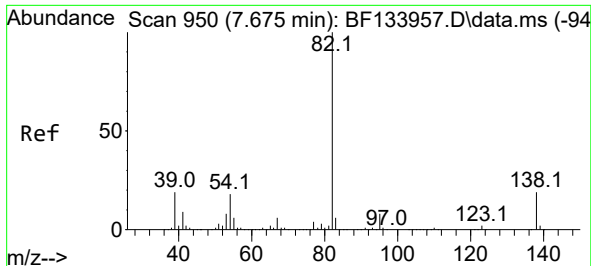
Tgt Ion:136 Resp: 476519
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.7 6.5 9.7
68 4.9 4.2 6.2



#23
Nitrobenzene-d5
Concen: 61.699 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09

Tgt Ion: 82 Resp: 545416
Ion Ratio Lower Upper
82 100
128 41.7 32.5 48.7
54 58.0 48.2 72.2

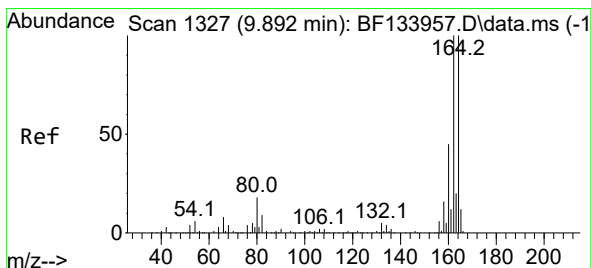
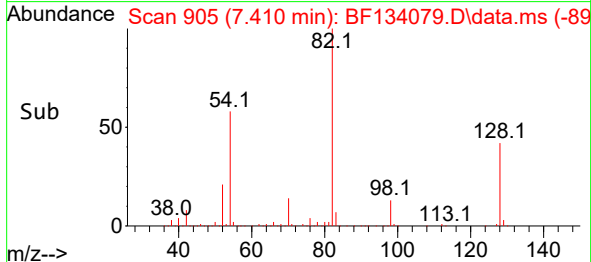
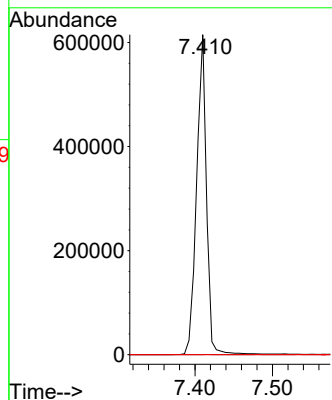
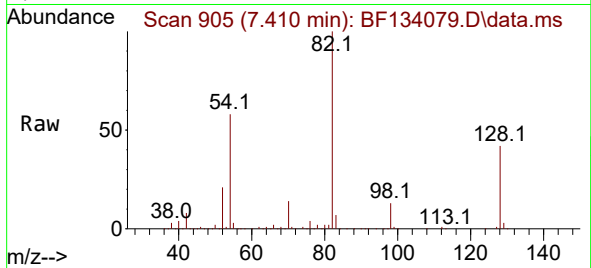




#25
Isophorone
Concen: 33.855 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09

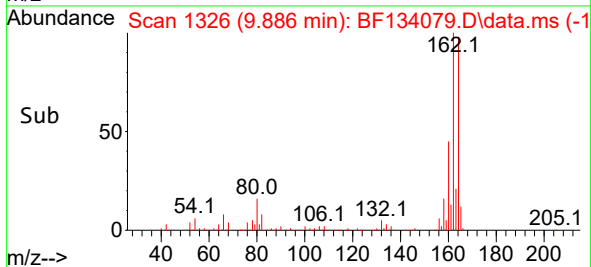
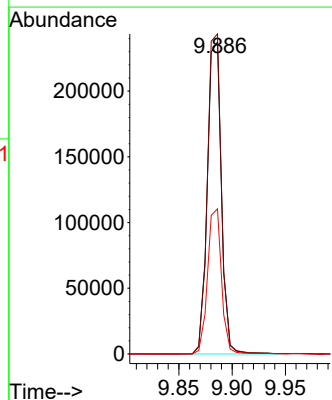
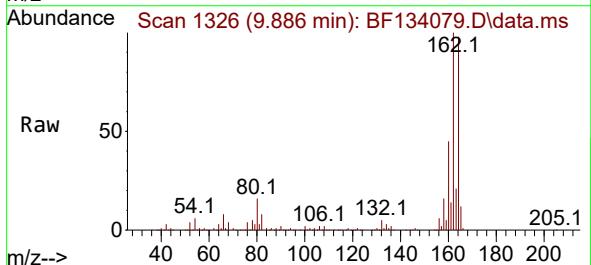
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-005

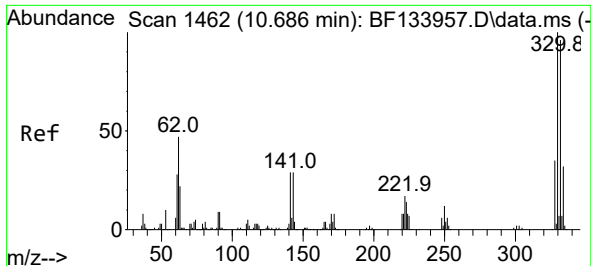
Tgt Ion: 82 Resp: 543919
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09

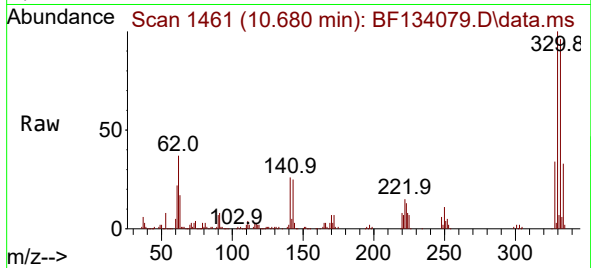
Tgt Ion:164 Resp: 218531
Ion Ratio Lower Upper
164 100
162 102.6 80.0 120.0
160 46.5 35.9 53.9



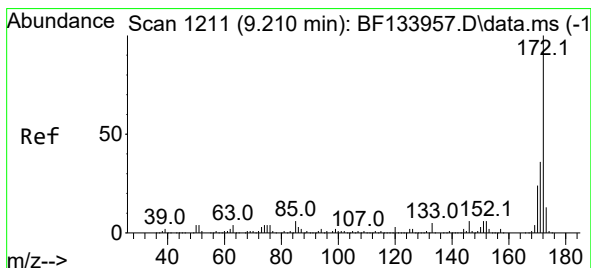
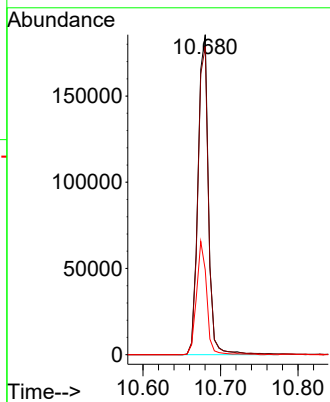
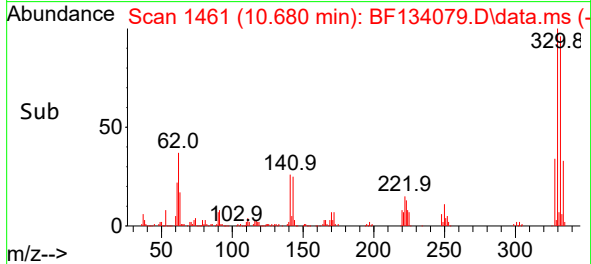


#42
2,4,6-Tribromophenol
Concen: 63.587 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09

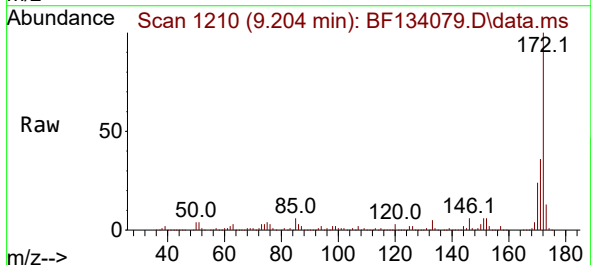
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ClientSampleId :
CMC-EME-TOPSOIL-005



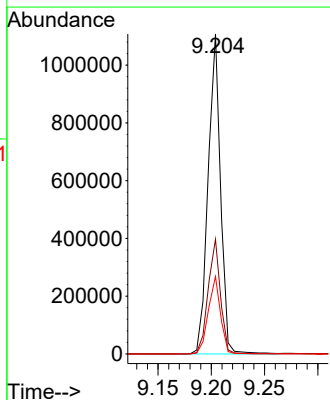
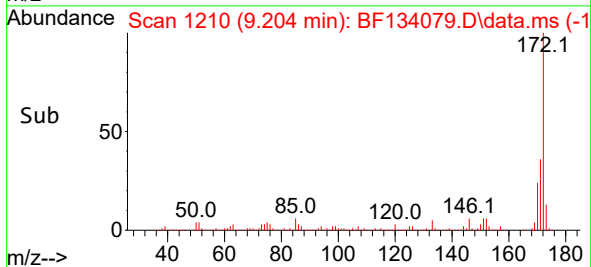
Tgt Ion:330 Resp: 174226
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 34.3 26.3 39.5

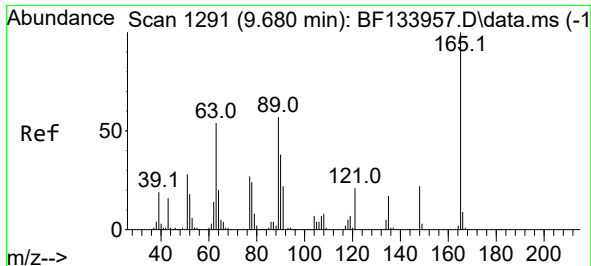


#45
2-Fluorobiphenyl
Concen: 59.846 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09



Tgt Ion:172 Resp: 899531
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 24.2 19.4 29.0

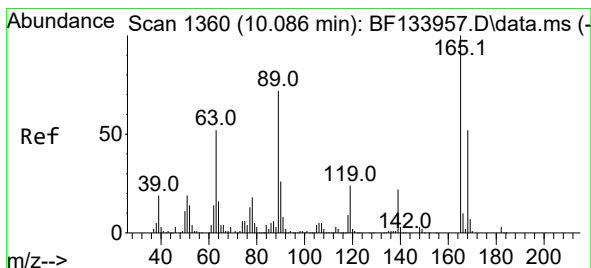
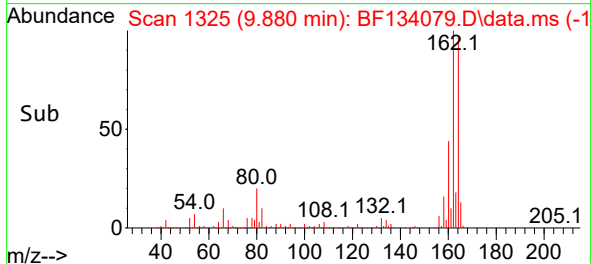
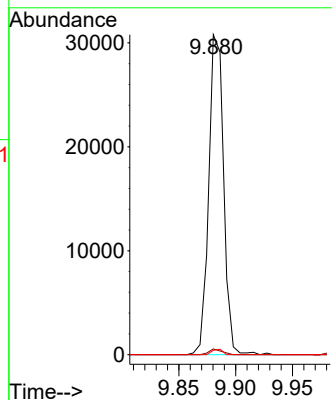
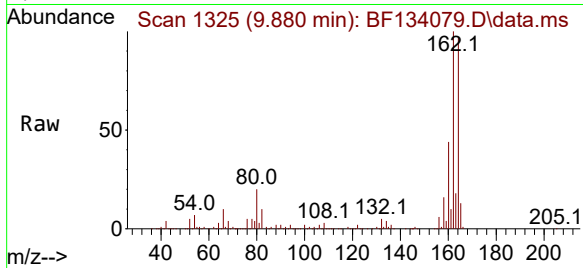




#51
2,6-Dinitrotoluene
Concen: 8.191 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09

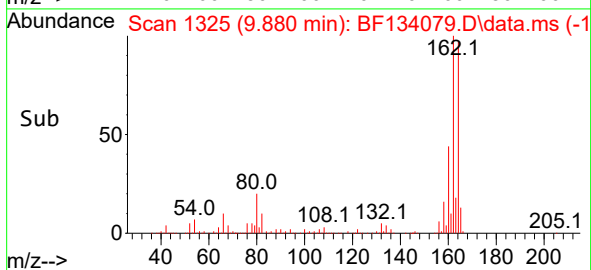
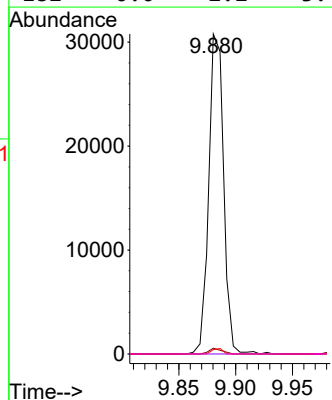
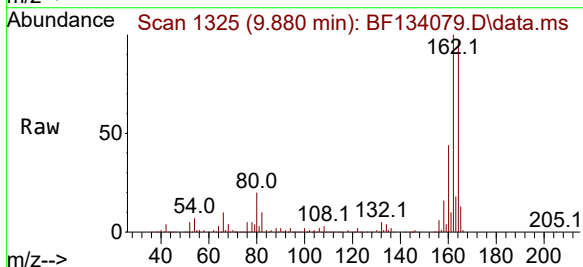
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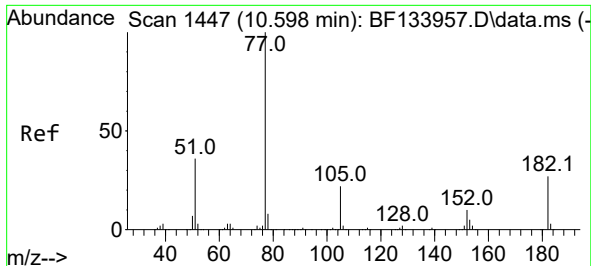
Tgt Ion:165 Resp: 27985
Ion Ratio Lower Upper
165 100
63 1.8 48.5 72.7#
89 1.4 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.202 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09

Tgt Ion:165 Resp: 27985
Ion Ratio Lower Upper
165 100
63 1.8 42.2 63.2#
89 1.4 57.4 86.2#
182 0.0 2.2 3.4#

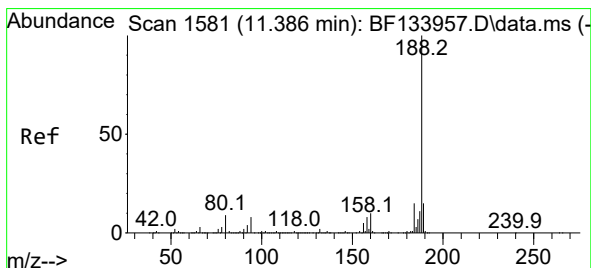
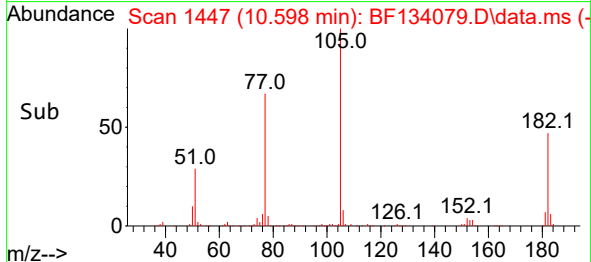
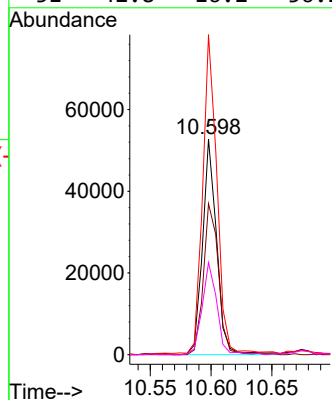
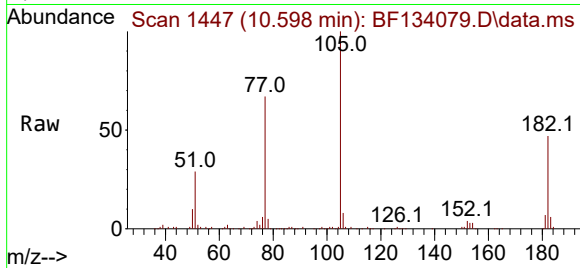




#63
Azobenzene
Concen: 2.735 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09

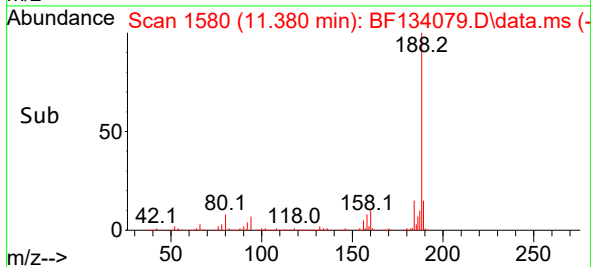
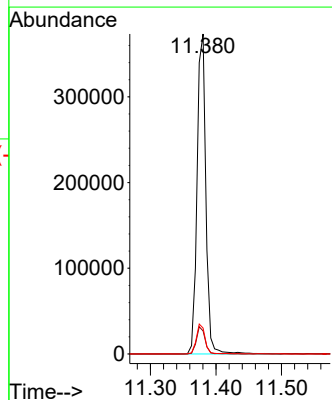
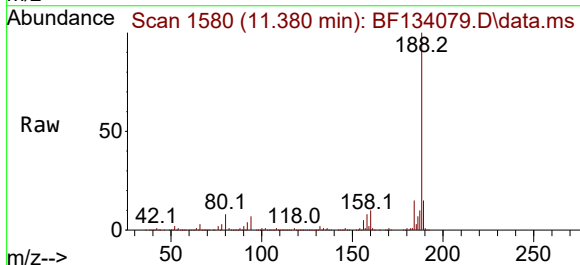
Instrument :
BNA_F
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CMC-EME-TOPSOIL-005

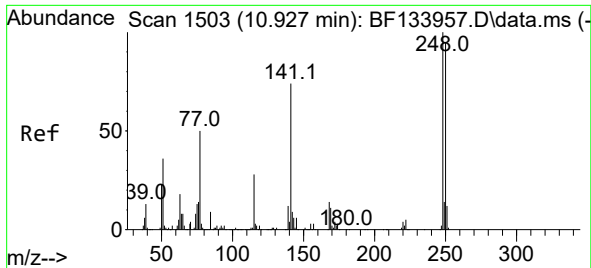
Tgt Ion: 77 Resp: 42755
Ion Ratio Lower Upper
77 100
182 70.1 6.8 46.8#
105 148.5 2.3 42.3#
51 42.8 16.2 56.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09

Tgt Ion:188 Resp: 349192
Ion Ratio Lower Upper
188 100
94 7.2 6.4 9.6
80 8.1 7.3 10.9

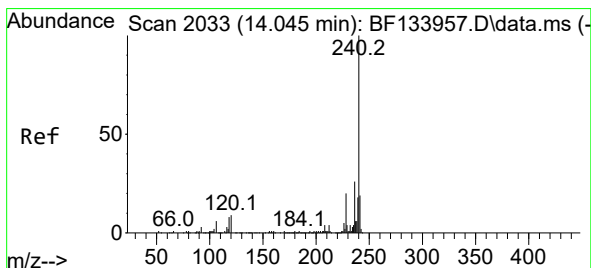
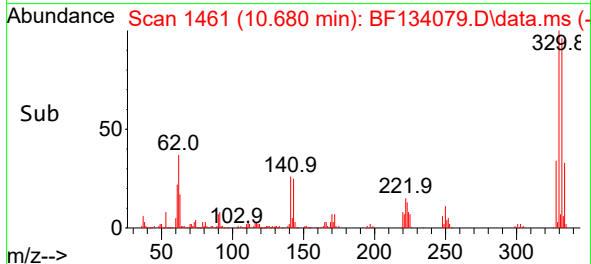
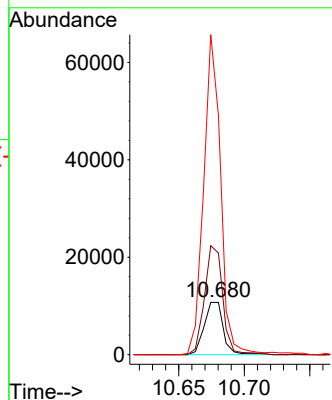
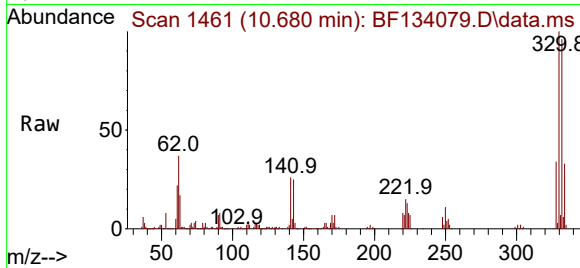




#67
4-Bromophenyl-phenylether
Concen: 2.945 ng
RT: 10.680 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09

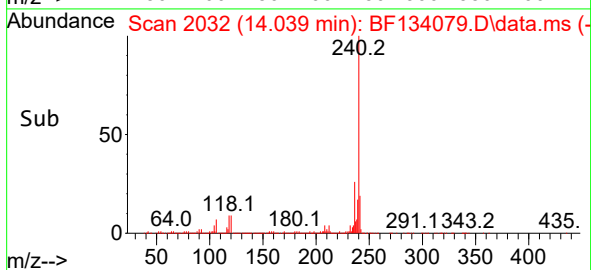
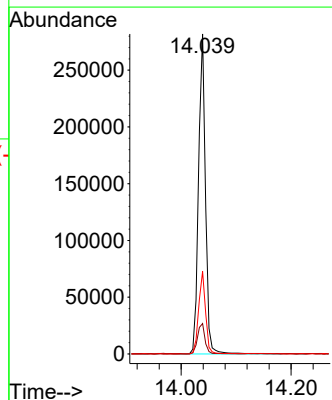
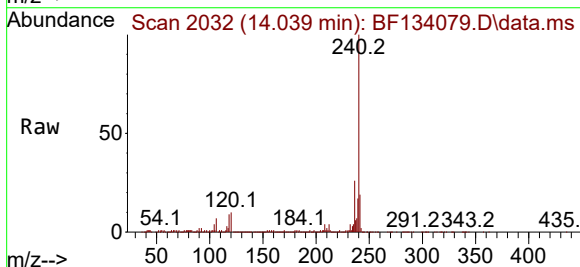
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-005

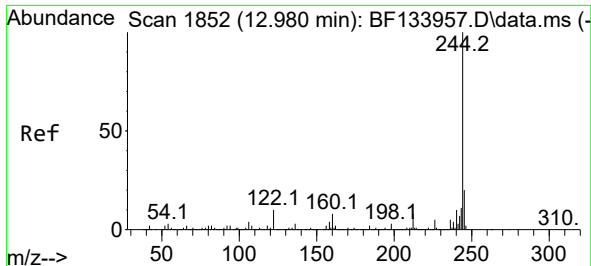
Tgt Ion:248 Resp: 10929
Ion Ratio Lower Upper
248 100
250 193.9 76.2 114.4#
141 457.0 59.0 88.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09

Tgt Ion:240 Resp: 247565
Ion Ratio Lower Upper
240 100
120 9.5 7.4 11.0
236 25.8 21.0 31.6

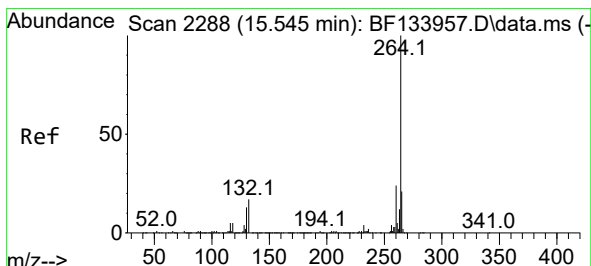
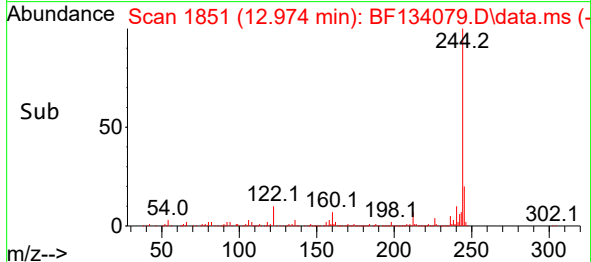
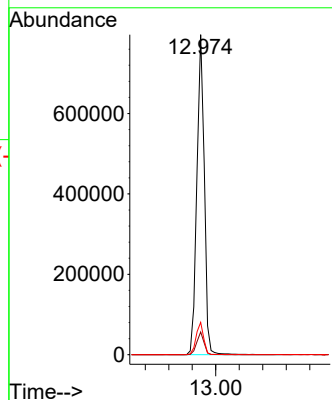
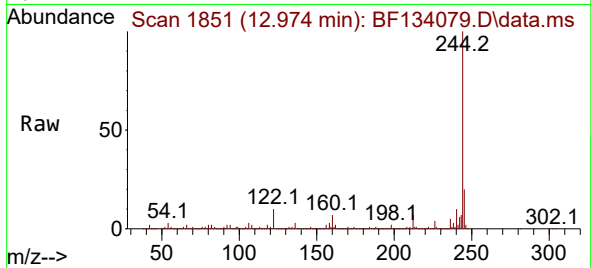




#79
Terphenyl-d14
Concen: 45.315 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09

Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-005

Tgt Ion:244 Resp: 697049
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 10.1 8.3 12.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BF134079.D
Acq: 05 Jul 2023 22:09

Tgt Ion:264 Resp: 198656
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 22.1 16.6 25.0

