

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
 Data File : BF134080.D
 Acq On : 05 Jul 2023 22:45
 Operator : CG\JU
 Sample : 03473-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-006

Quant Time: Jul 06 00:23:14 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)

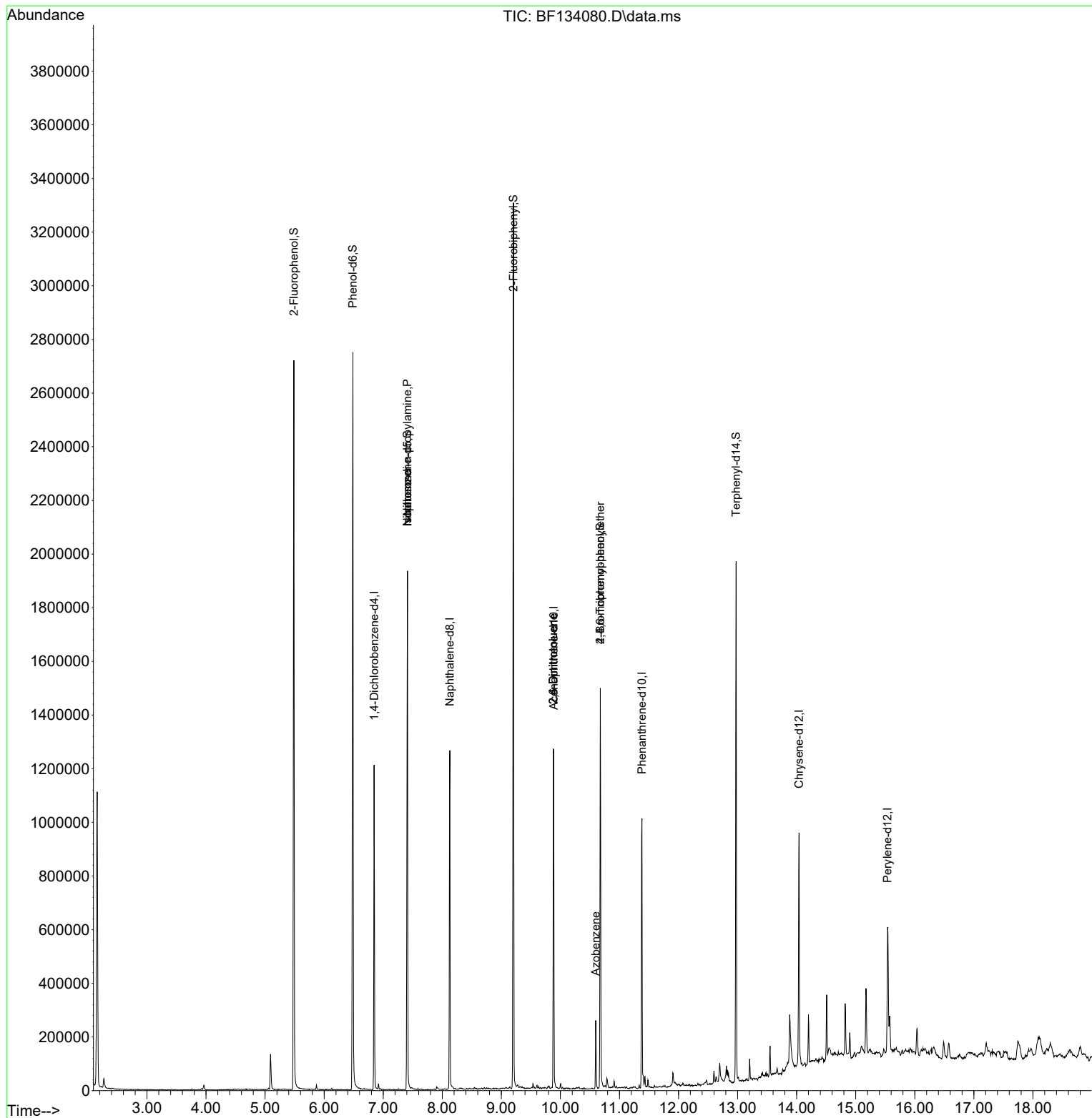
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	159459	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	533154	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	266720	20.000	ng	0.00
64) Phenanthrene-d10	11.381	188	388687	20.000	ng	0.00
76) Chrysene-d12	14.039	240	299567	20.000	ng	-0.01
86) Perylene-d12	15.539	264	249284	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	698794	73.305	ng	0.00
7) Phenol-d6	6.487	99	862457	73.568	ng	0.00
23) Nitrobenzene-d5	7.410	82	561732	56.795	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	173442	51.865	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	953301	51.965	ng	0.00
79) Terphenyl-d14	12.975	244	644724	34.638	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	164	Below Cal	#	24
19) n-Nitroso-di-n-propyla...	7.410	70	79611	10.708	ng	# 75
25) Isophorone	7.410	82	561727	31.250	ng	# 64
51) 2,6-Dinitrotoluene	9.881	165	33389	8.007	ng	# 23
57) 2,4-Dinitrotoluene	9.881	165	33389	6.063	ng	# 22
63) Azobenzene	10.598	77	41460	2.173	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	10336	2.502	ng	# 1

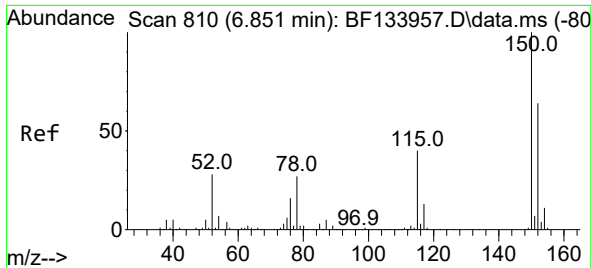
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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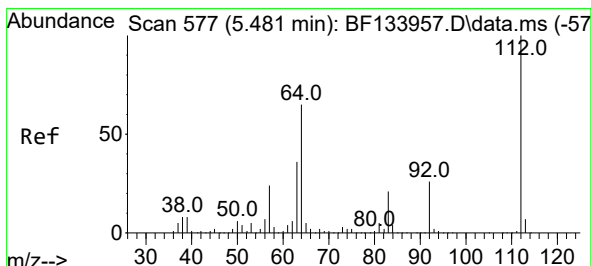
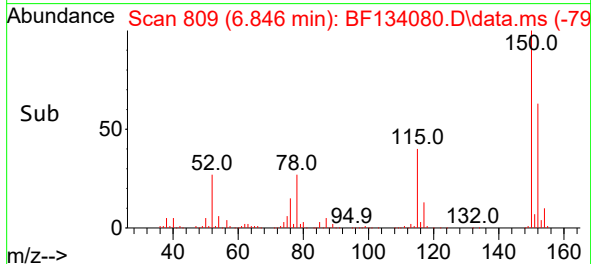
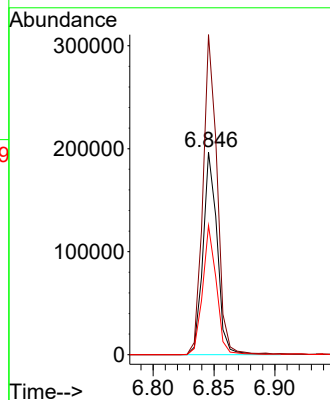
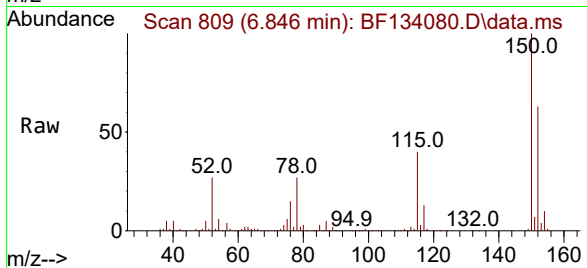




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134080.D
Acq: 05 Jul 2023 22:45

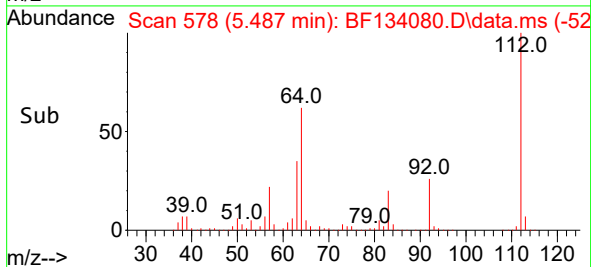
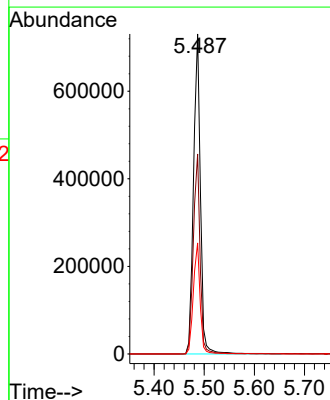
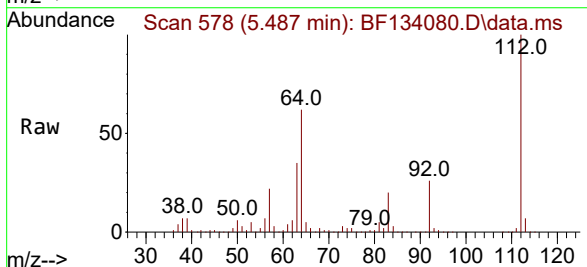
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-006

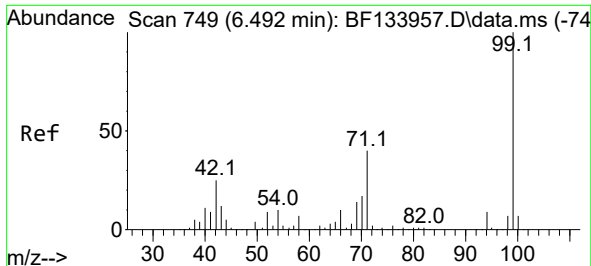
Tgt Ion:152 Resp: 159459
Ion Ratio Lower Upper
152 100
150 157.9 124.5 186.7
115 63.7 50.2 75.2



#5
2-Fluorophenol
Concen: 73.305 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF134080.D
Acq: 05 Jul 2023 22:45

Tgt Ion:112 Resp: 698794
Ion Ratio Lower Upper
112 100
64 62.5 52.1 78.1
63 34.7 28.6 42.8





#7

Phenol-d6

Concen: 73.568 ng

RT: 6.487 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF134080.D

Acq: 05 Jul 2023 22:45

Instrument :

BNA_F

ClientSampleId :

CMC-EME-TOPSOIL-006

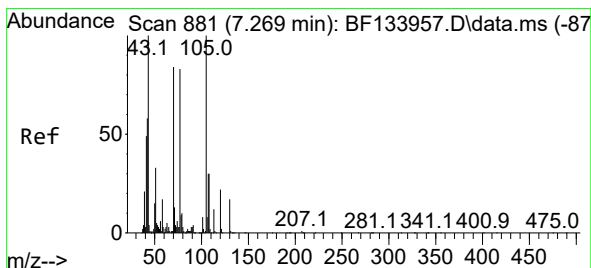
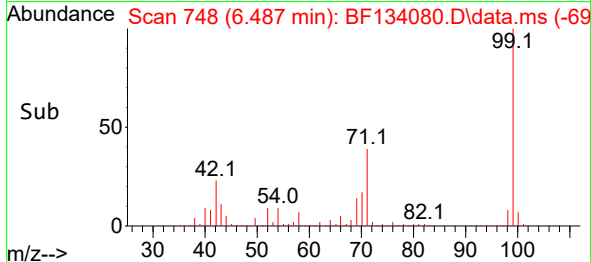
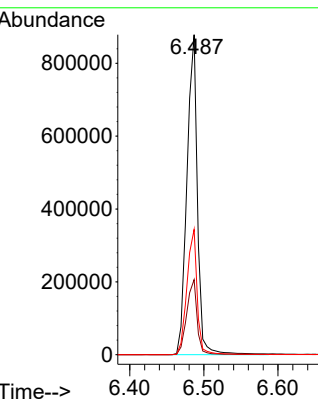
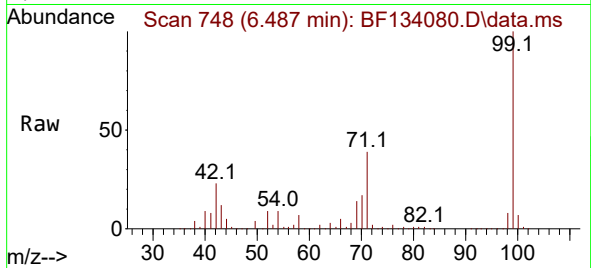
Tgt Ion: 99 Resp: 862457

Ion Ratio Lower Upper

99 100

42 23.4 19.8 29.6

71 39.2 31.9 47.9



#19

n-Nitroso-di-n-propylamine

Concen: 10.708 ng

RT: 7.410 min Scan# 905

Delta R.T. 0.141 min

Lab File: BF134080.D

Acq: 05 Jul 2023 22:45

Tgt Ion: 70 Resp: 79611

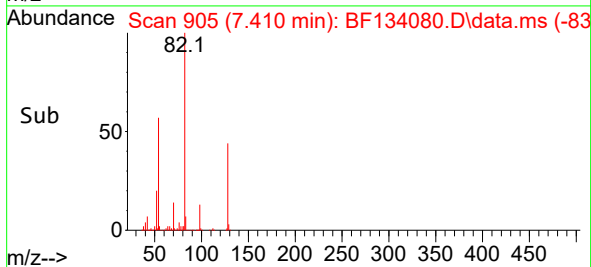
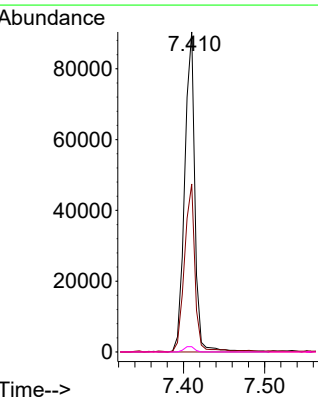
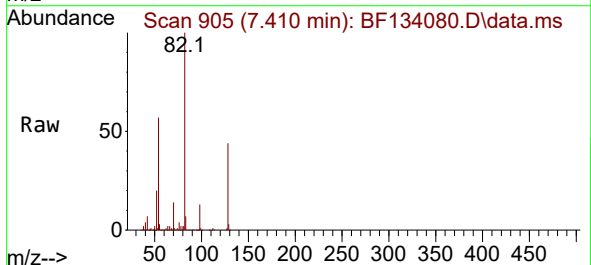
Ion Ratio Lower Upper

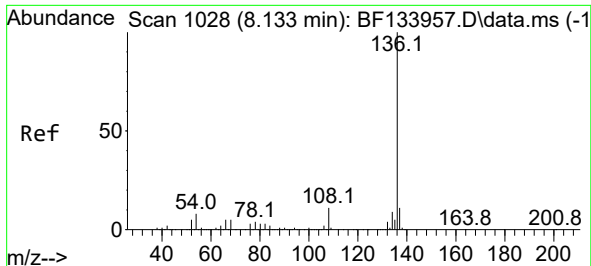
70 100

42 52.5 54.7 82.1#

101 0.0 7.7 11.5#

130 1.7 16.4 24.6#



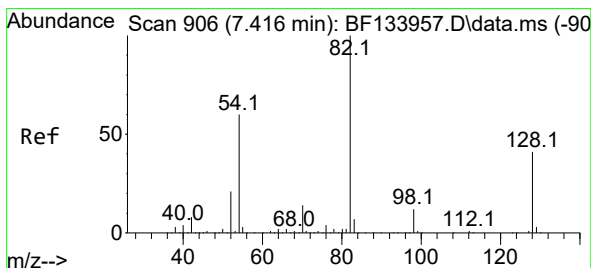
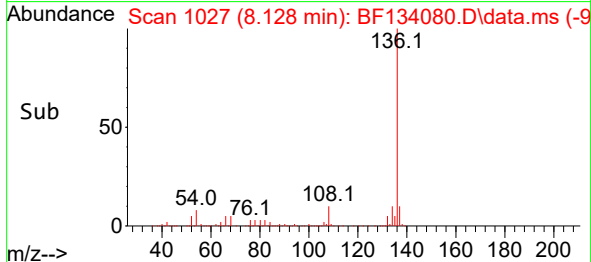
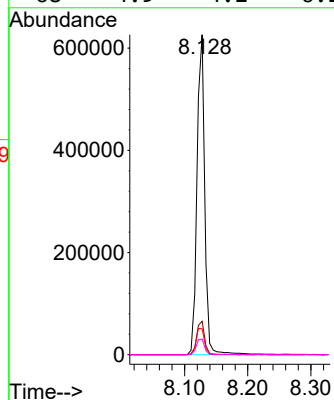
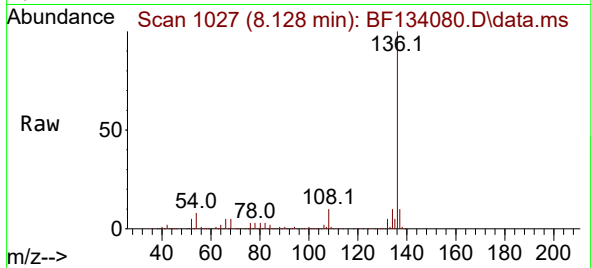


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF134080.D
Acq: 05 Jul 2023 22:45

Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-006

Tgt Ion:136 Resp: 533154

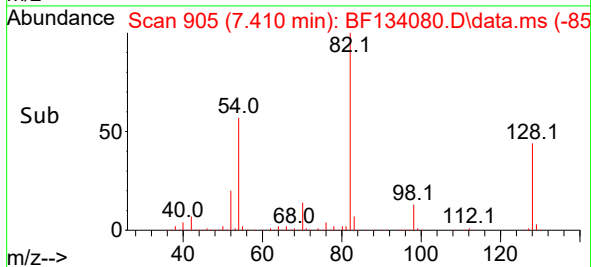
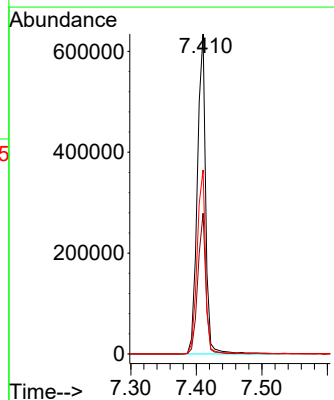
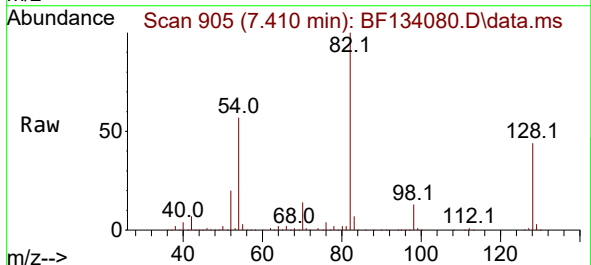
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	12.8
54	8.1	6.5	9.7
68	4.9	4.2	6.2

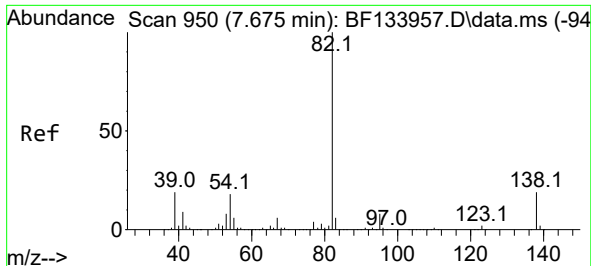


#23
Nitrobenzene-d5
Concen: 56.795 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF134080.D
Acq: 05 Jul 2023 22:45

Tgt Ion: 82 Resp: 561732

Ion	Ratio	Lower	Upper
82	100		
128	44.0	32.5	48.7
54	57.5	48.2	72.2

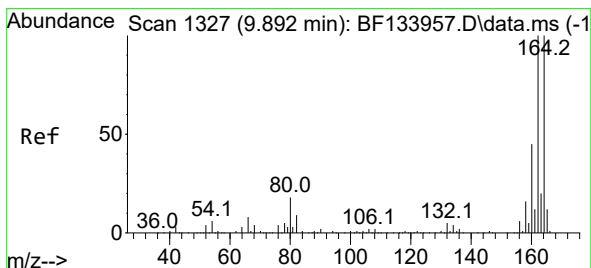
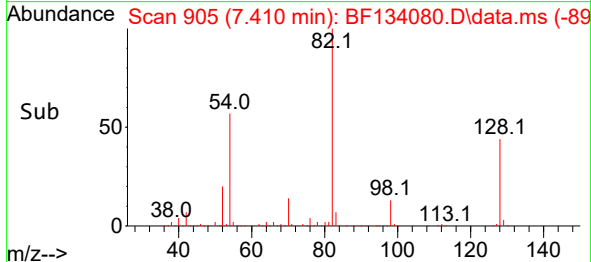
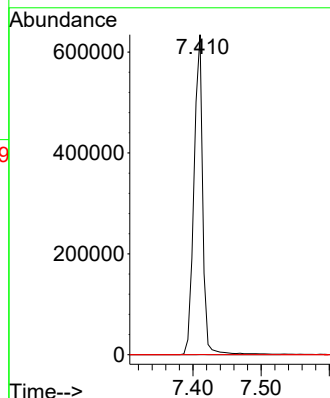
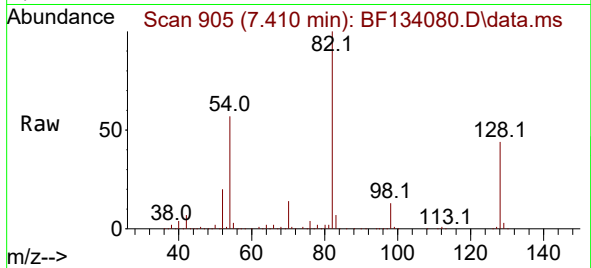




#25
Isophorone
Concen: 31.250 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134080.D
Acq: 05 Jul 2023 22:45

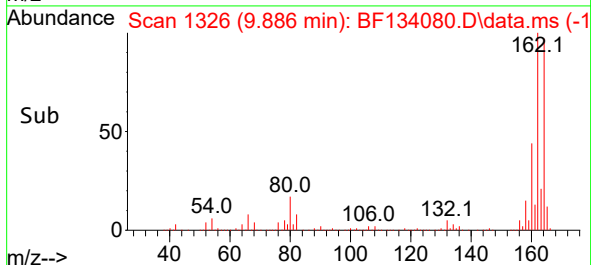
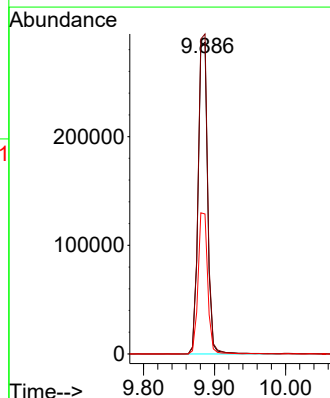
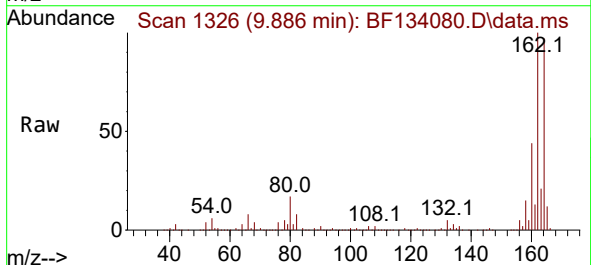
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-006

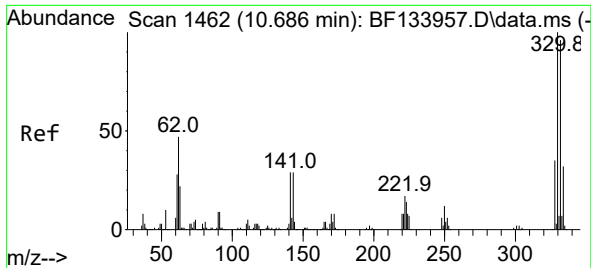
Tgt Ion: 82 Resp: 561727
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134080.D
Acq: 05 Jul 2023 22:45

Tgt Ion:164 Resp: 266720
Ion Ratio Lower Upper
164 100
162 102.7 80.0 120.0
160 45.0 35.9 53.9

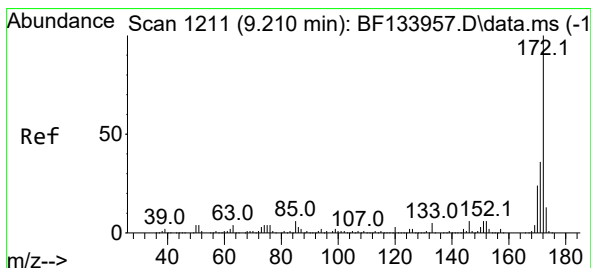
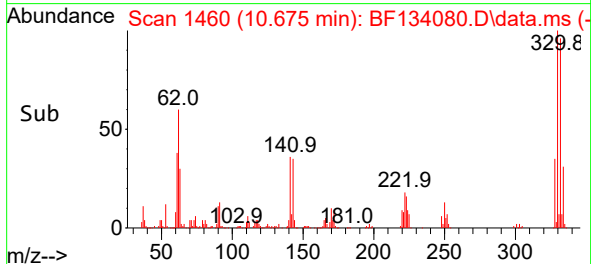
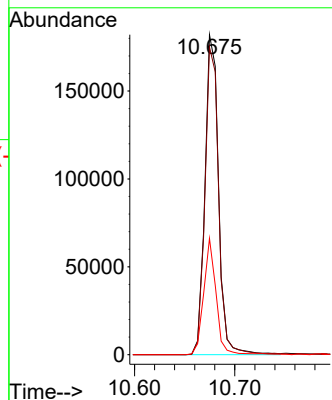
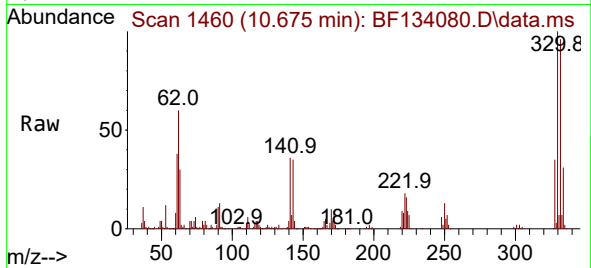




#42
2,4,6-Tribromophenol
Concen: 51.865 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134080.D
Acq: 05 Jul 2023 22:45

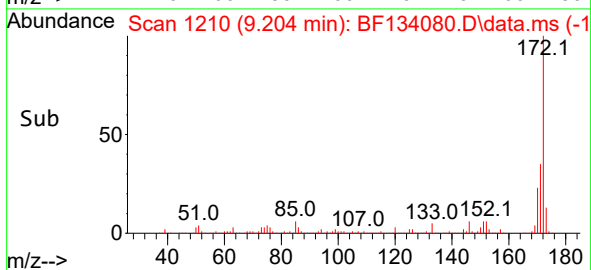
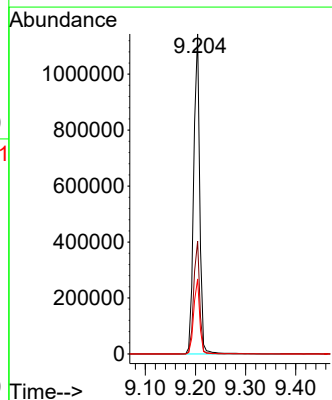
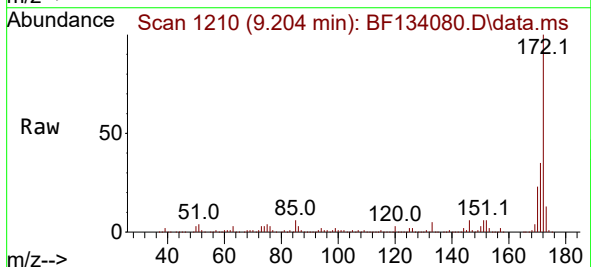
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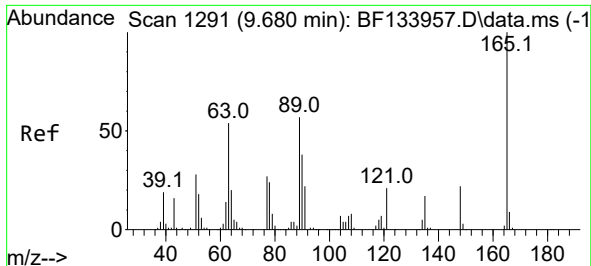
Tgt Ion:330 Resp: 173442
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 33.1 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 51.965 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134080.D
Acq: 05 Jul 2023 22:45

Tgt Ion:172 Resp: 953301
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.5 19.4 29.0

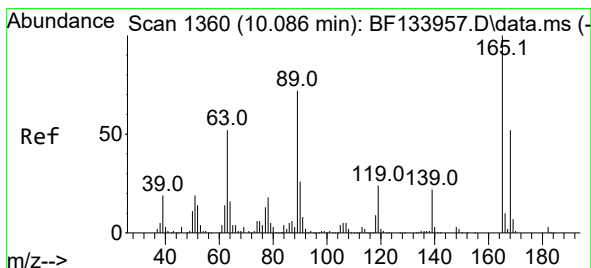
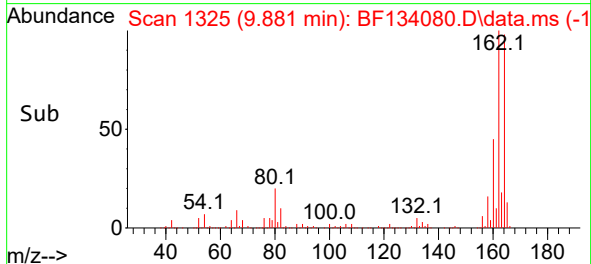
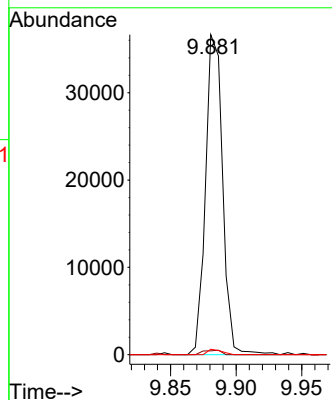
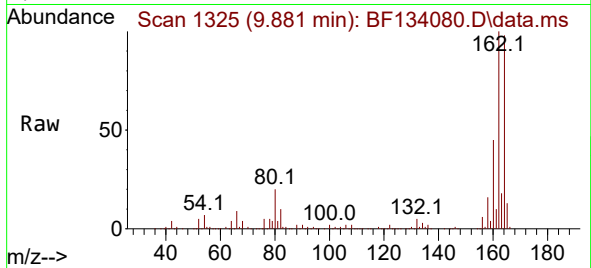




#51
2,6-Dinitrotoluene
Concen: 8.007 ng
RT: 9.881 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134080.D
Acq: 05 Jul 2023 22:45

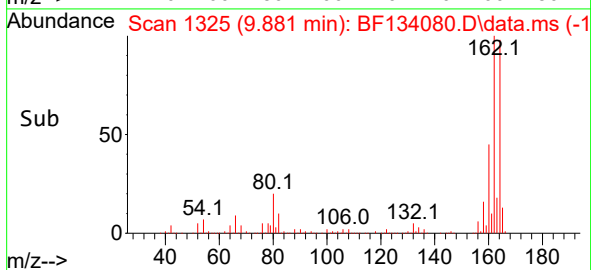
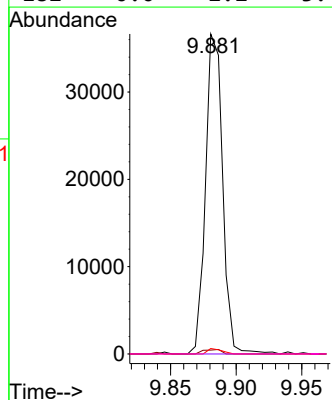
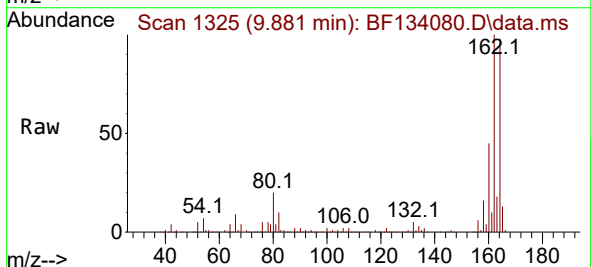
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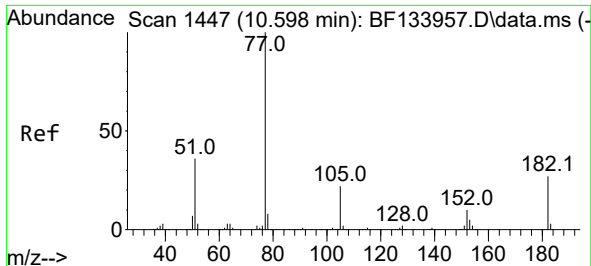
Tgt Ion:165 Resp: 33389
Ion Ratio Lower Upper
165 100
63 1.2 48.5 72.7#
89 1.7 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.063 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134080.D
Acq: 05 Jul 2023 22:45

Tgt Ion:165 Resp: 33389
Ion Ratio Lower Upper
165 100
63 1.2 42.2 63.2#
89 1.7 57.4 86.2#
182 0.0 2.2 3.4#

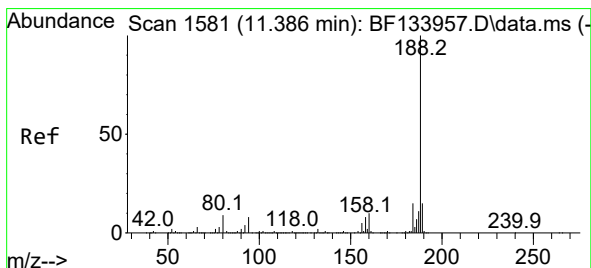
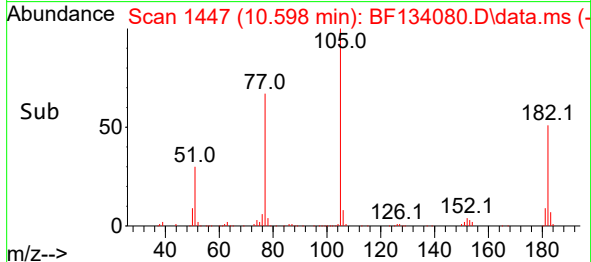
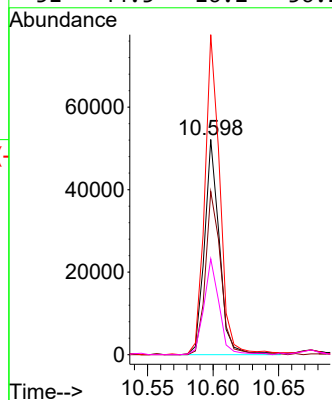
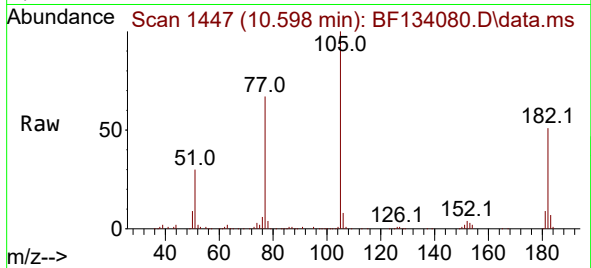




#63
Azobenzene
Concen: 2.173 ng
RT: 10.598 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF134080.D
Acq: 05 Jul 2023 22:45

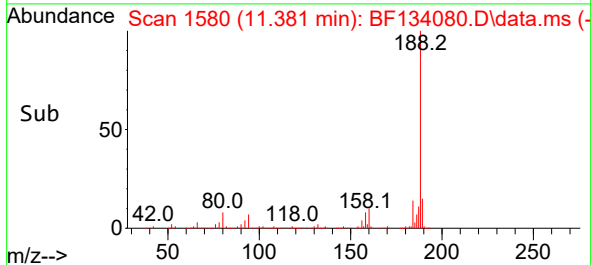
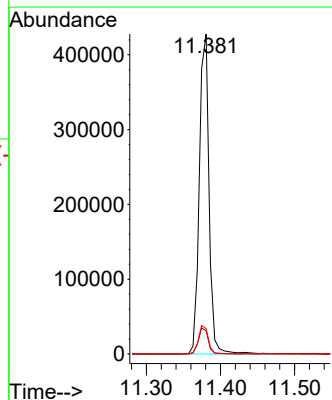
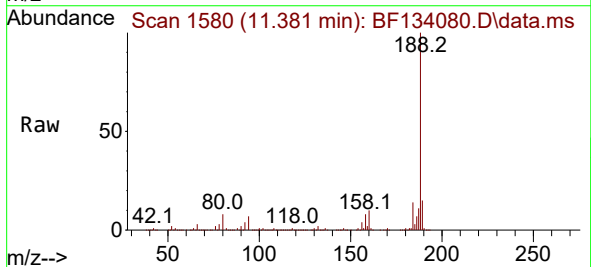
Instrument :
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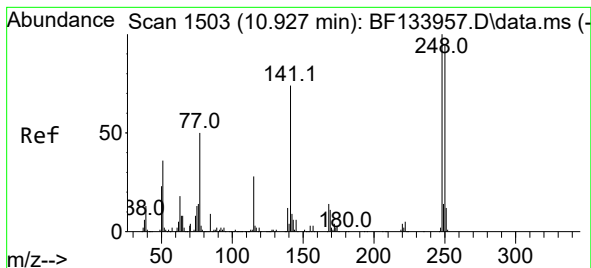
Tgt Ion: 77 Resp: 41460
Ion Ratio Lower Upper
77 100
182 75.9 6.8 46.8#
105 148.7 2.3 42.3#
51 44.5 16.2 56.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.381 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF134080.D
Acq: 05 Jul 2023 22:45

Tgt Ion:188 Resp: 388687
Ion Ratio Lower Upper
188 100
94 7.3 6.4 9.6
80 7.9 7.3 10.9

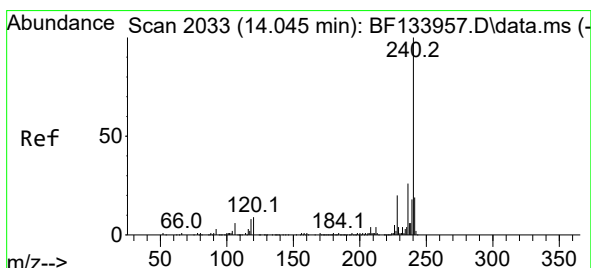
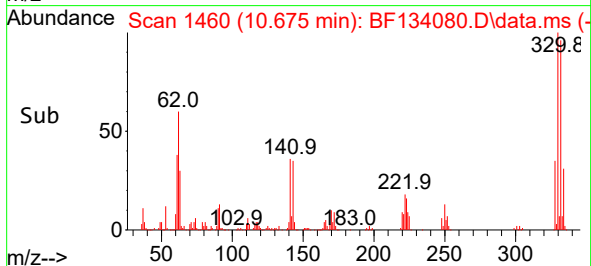
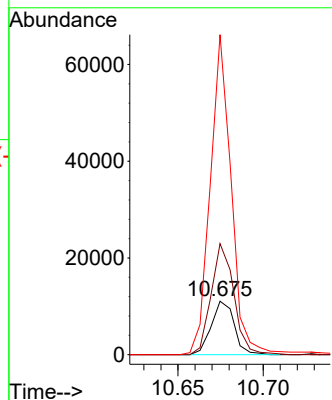
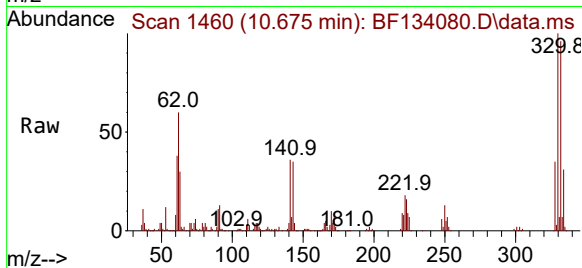




#67
4-Bromophenyl-phenylether
Concen: 2.502 ng
RT: 10.675 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF134080.D
Acq: 05 Jul 2023 22:45

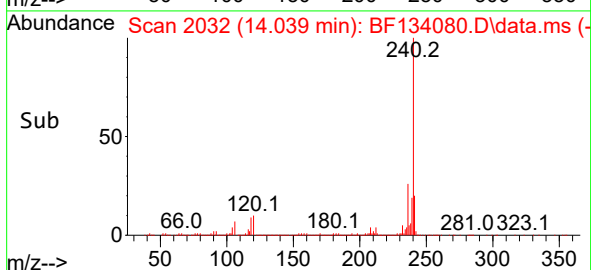
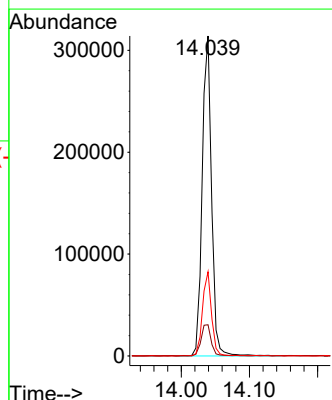
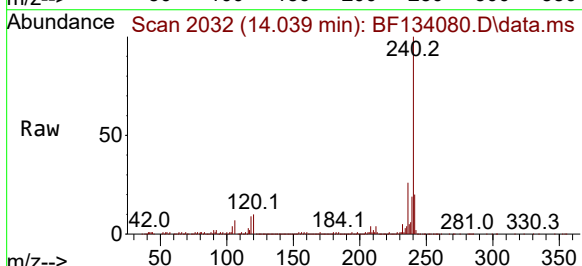
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-006

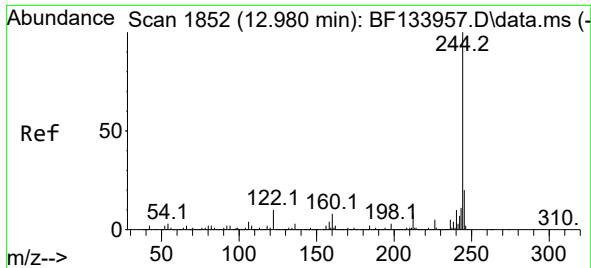
Tgt Ion:248 Resp: 10336
Ion Ratio Lower Upper
248 100
250 208.1 76.2 114.4#
141 599.5 59.0 88.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134080.D
Acq: 05 Jul 2023 22:45

Tgt Ion:240 Resp: 299567
Ion Ratio Lower Upper
240 100
120 9.7 7.4 11.0
236 26.3 21.0 31.6

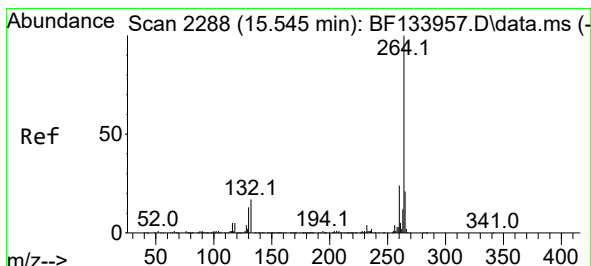
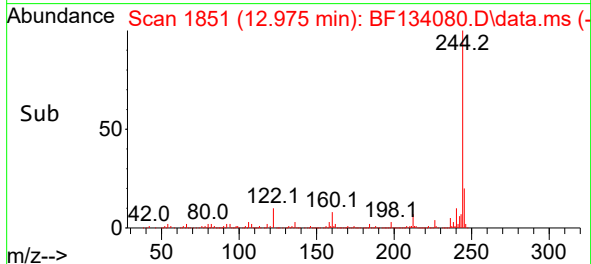
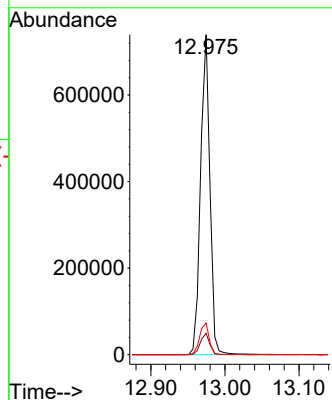
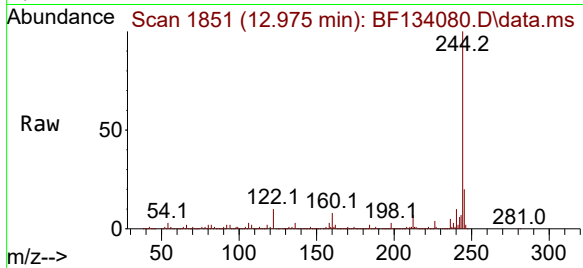




#79
 Terphenyl-d14
 Concen: 34.638 ng
 RT: 12.975 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF134080.D
 Acq: 05 Jul 2023 22:45

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-006

Tgt Ion:244 Resp: 644724
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 9.9 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: BF134080.D
 Acq: 05 Jul 2023 22:45

Tgt Ion:264 Resp: 249284
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 21.3 16.6 25.0

