

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
 Data File : BF134085.D
 Acq On : 06 Jul 2023 01:40
 Operator : CG\JU
 Sample : 03473-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-012

Quant Time: Jul 06 02:26:09 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)

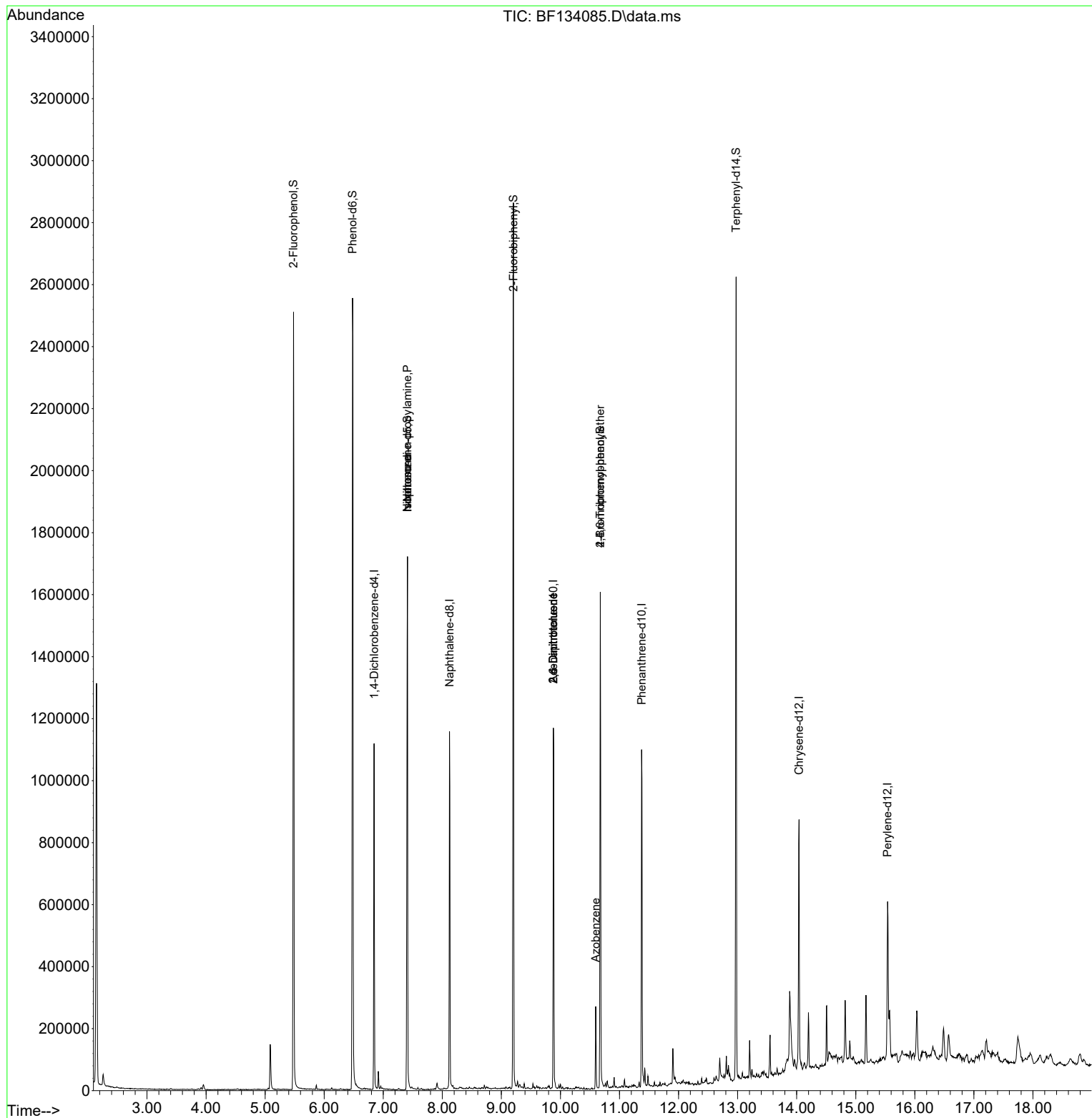
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	149377	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	497441	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	237489	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	432114	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	286616	20.000	ng	-0.01
86) Perylene-d12	15.539	264	253586	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	664695	74.435	ng	0.00
7) Phenol-d6	6.481	99	895821	81.571	ng	-0.01
23) Nitrobenzene-d5	7.410	82	517748	56.106	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	190190	63.873	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	862100	52.777	ng	0.00
79) Terphenyl-d14	12.974	244	868380	48.762	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.434	77	63	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.410	70	71152	10.216	ng	# 75
25) Isophorone	7.410	82	517743	30.871	ng	# 64
51) 2,6-Dinitrotoluene	9.880	165	30880	8.317	ng	# 23
57) 2,4-Dinitrotoluene	9.880	165	30880	6.297	ng	# 22
63) Azobenzene	10.598	77	42802	2.519	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	11117	2.420	ng	# 1

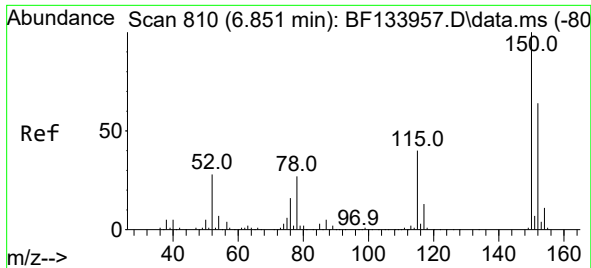
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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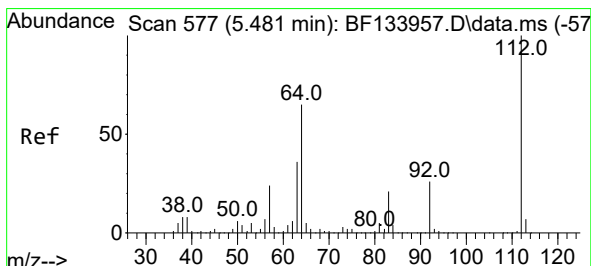
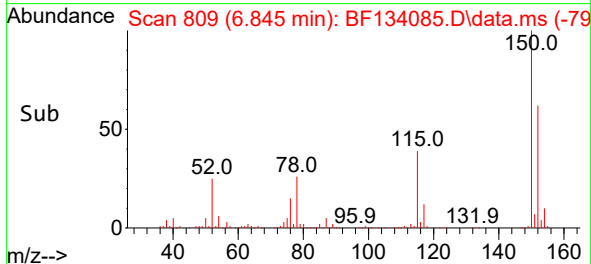
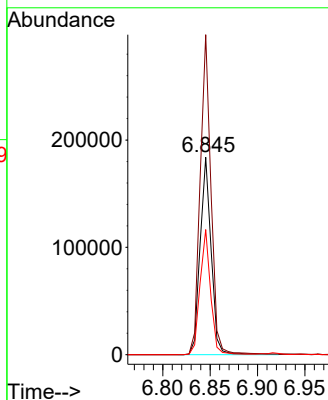
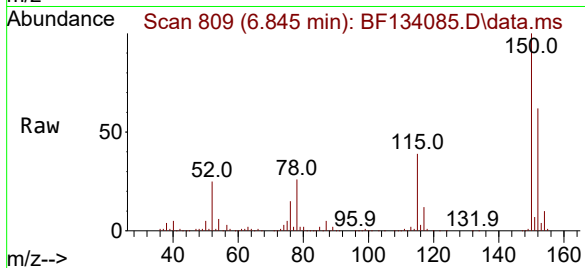




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134085.D
Acq: 06 Jul 2023 01:40

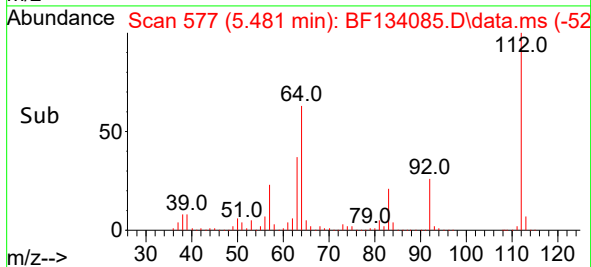
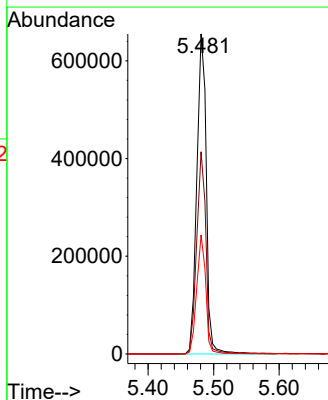
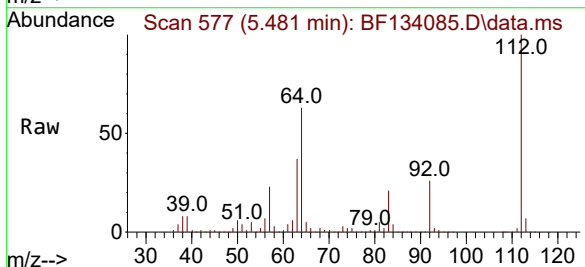
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-012

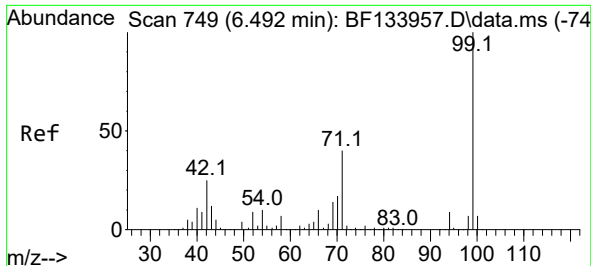
Tgt Ion:152 Resp: 149377
Ion Ratio Lower Upper
152 100
150 162.1 124.5 186.7
115 63.4 50.2 75.2



#5
2-Fluorophenol
Concen: 74.435 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF134085.D
Acq: 06 Jul 2023 01:40

Tgt Ion:112 Resp: 664695
Ion Ratio Lower Upper
112 100
64 63.2 52.1 78.1
63 37.1 28.6 42.8

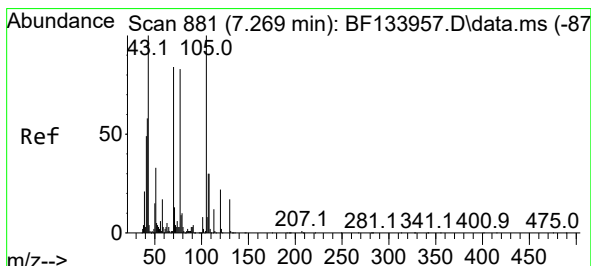
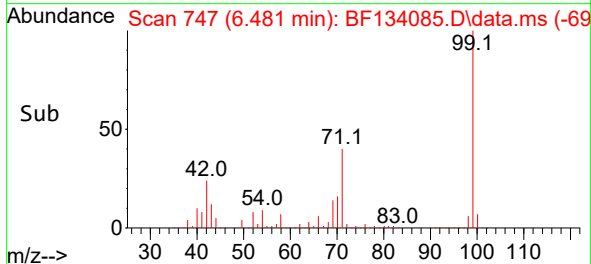
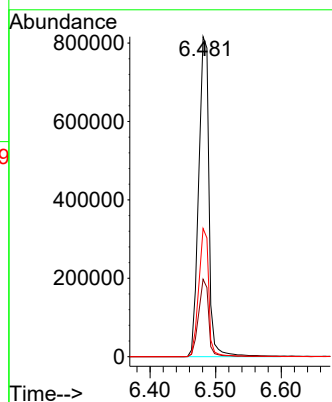
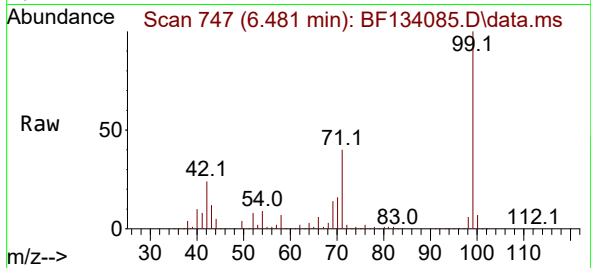




#7
Phenol-d6
Concen: 81.571 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134085.D
Acq: 06 Jul 2023 01:40

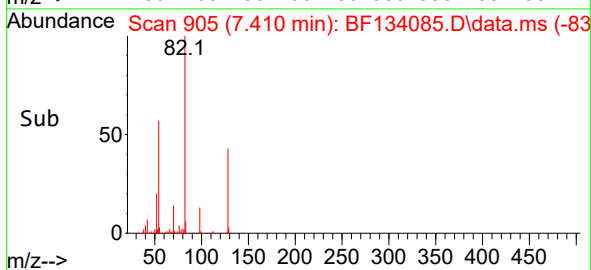
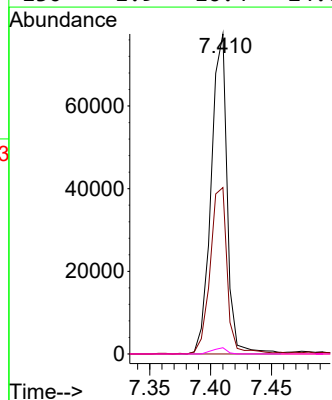
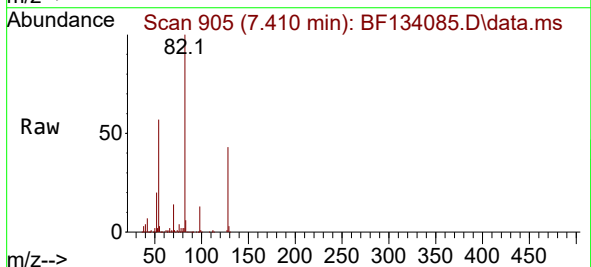
Instrument :
BNA_F
ClientSampleId :
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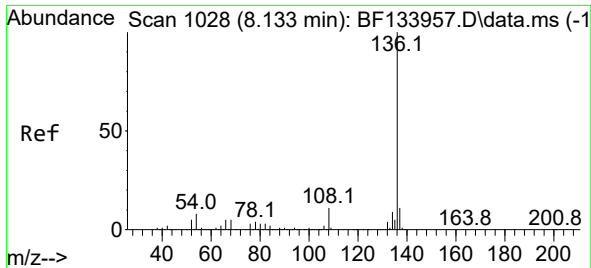
Tgt Ion: 99 Resp: 895821
Ion Ratio Lower Upper
99 100
42 24.2 19.8 29.6
71 40.1 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.216 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134085.D
Acq: 06 Jul 2023 01:40

Tgt Ion: 70 Resp: 71152
Ion Ratio Lower Upper
70 100
42 52.0 54.7 82.1#
101 0.0 7.7 11.5#
130 1.9 16.4 24.6#

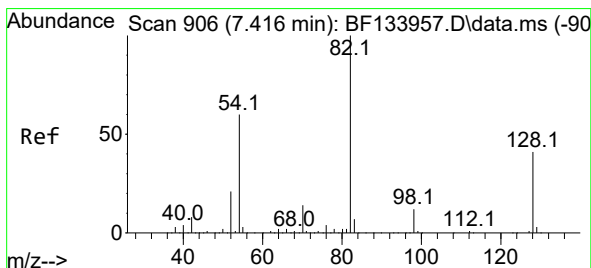
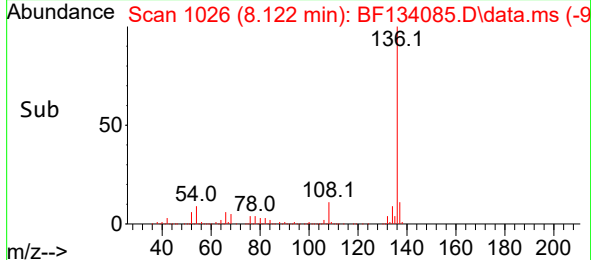
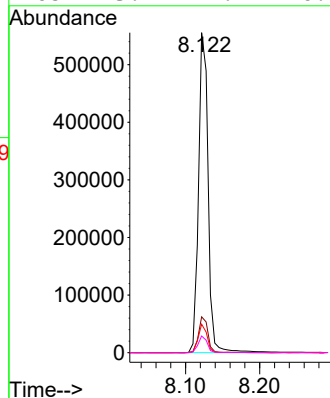
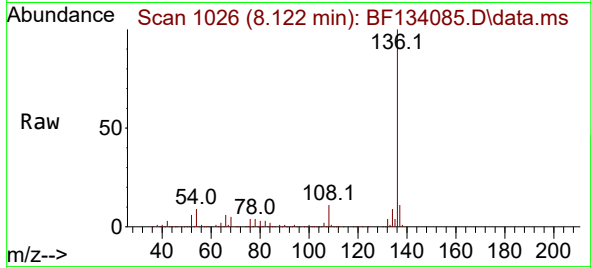




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134085.D
Acq: 06 Jul 2023 01:40

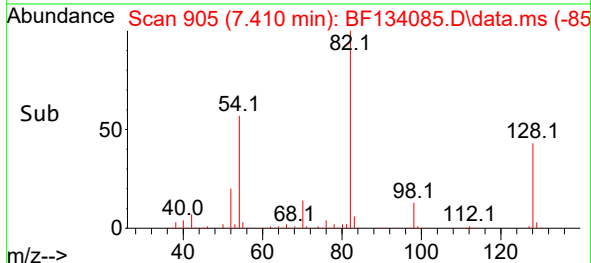
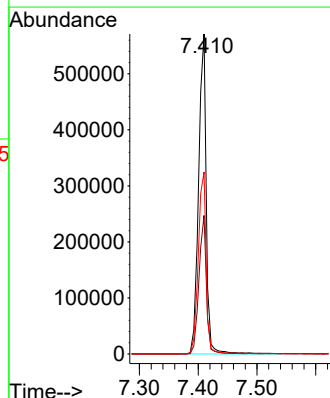
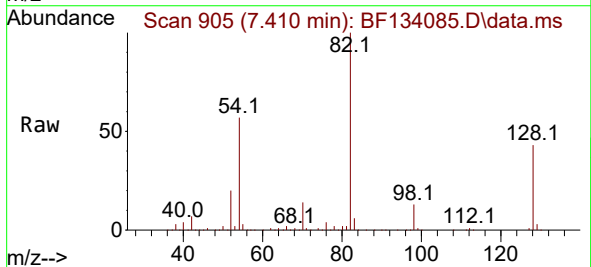
Instrument :
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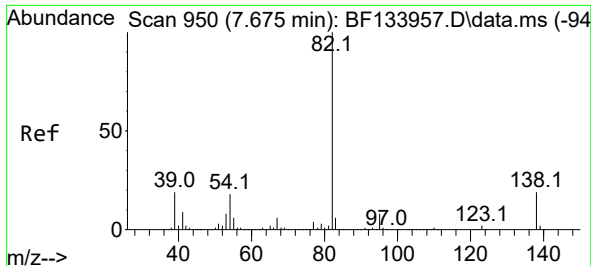
Tgt Ion:136 Resp: 497441
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 8.9 6.5 9.7
68 5.2 4.2 6.2



#23
Nitrobenzene-d5
Concen: 56.106 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF134085.D
Acq: 06 Jul 2023 01:40

Tgt Ion: 82 Resp: 517748
Ion Ratio Lower Upper
82 100
128 43.3 32.5 48.7
54 56.9 48.2 72.2

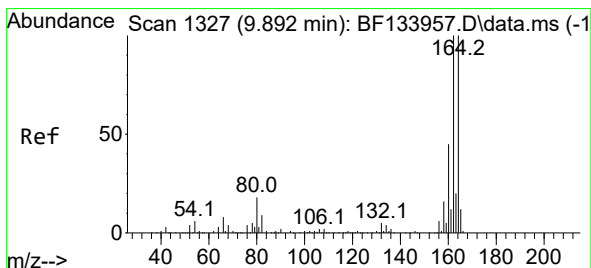
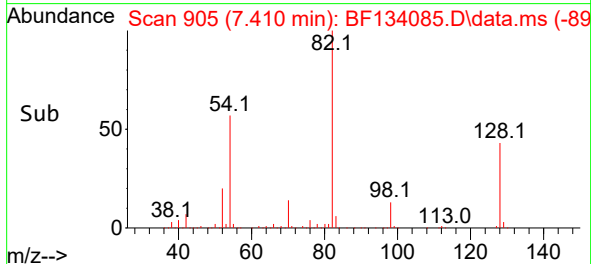
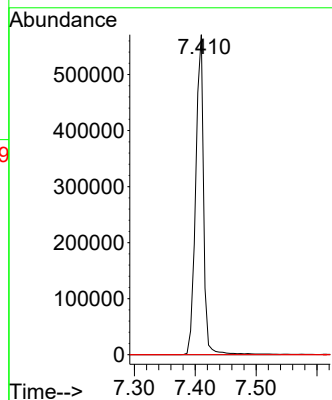
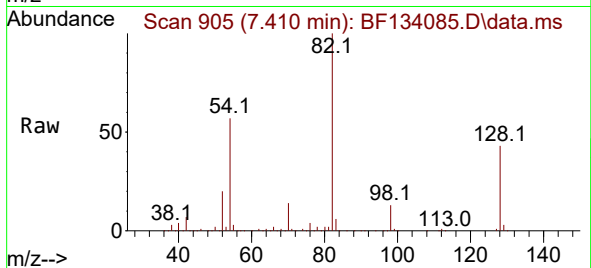




#25
Isophorone
Concen: 30.871 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134085.D
Acq: 06 Jul 2023 01:40

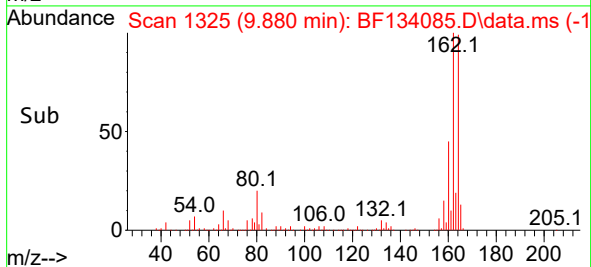
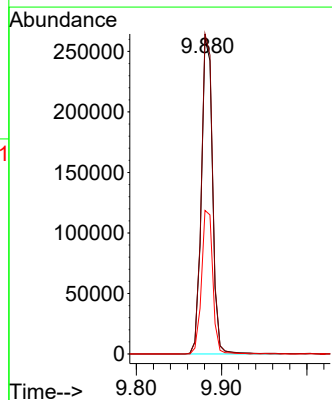
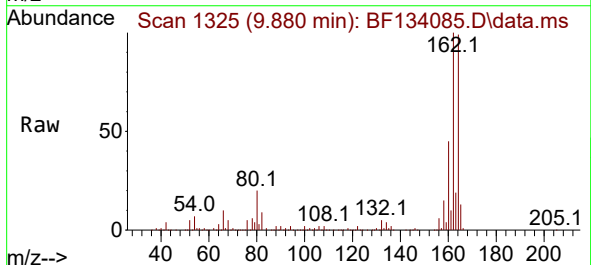
Instrument :
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ClientSampleId :
CMC-EME-TOPSOIL-012

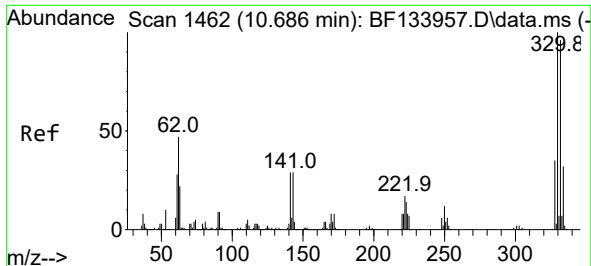
Tgt Ion: 82 Resp: 517743
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134085.D
Acq: 06 Jul 2023 01:40

Tgt Ion:164 Resp: 237489
Ion Ratio Lower Upper
164 100
162 101.3 80.0 120.0
160 45.4 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 63.873 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF134085.D

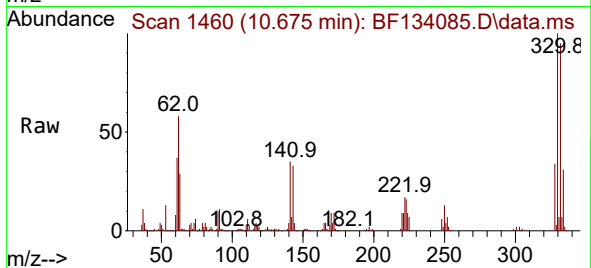
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Instrument :

BNA_F

ClientSampleId :

CMC-EME-TOPSOIL-012



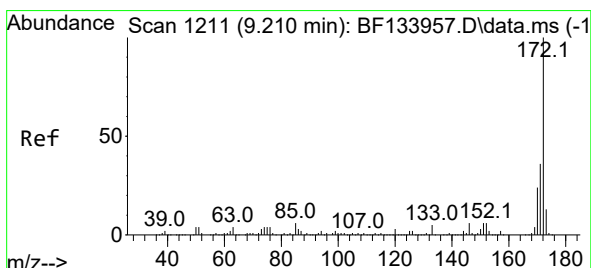
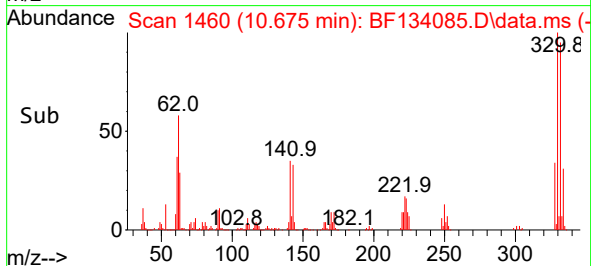
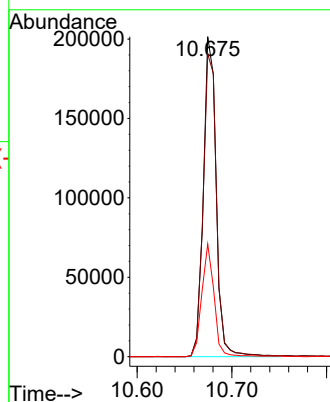
Tgt Ion:330 Resp: 190190

Ion Ratio Lower Upper

330 100

332 98.4 77.0 115.6

141 34.1 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 52.777 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF134085.D

Acq: 06 Jul 2023 01:40

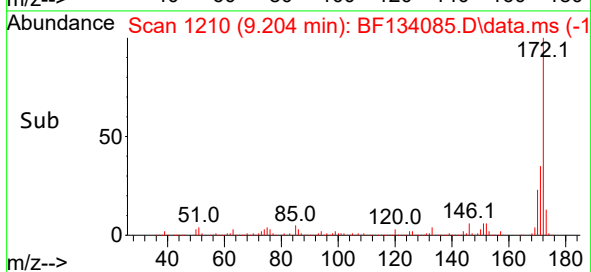
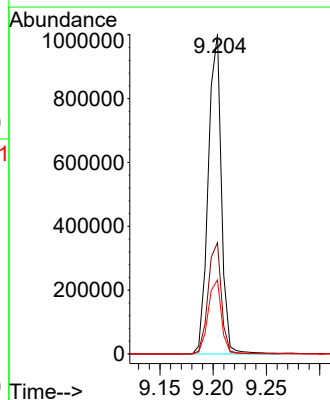
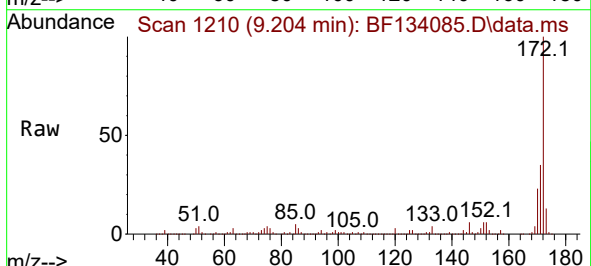
Tgt Ion:172 Resp: 862100

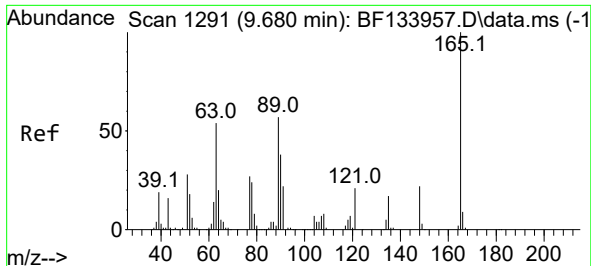
Ion Ratio Lower Upper

172 100

171 34.8 28.6 43.0

170 23.2 19.4 29.0

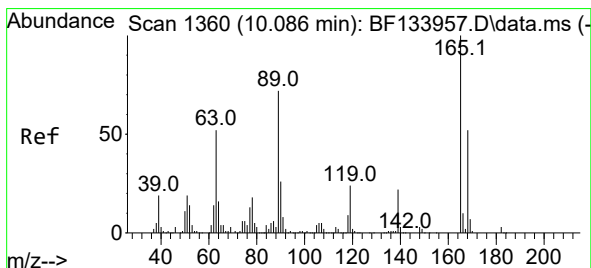
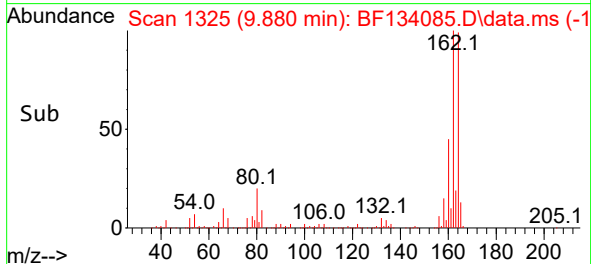
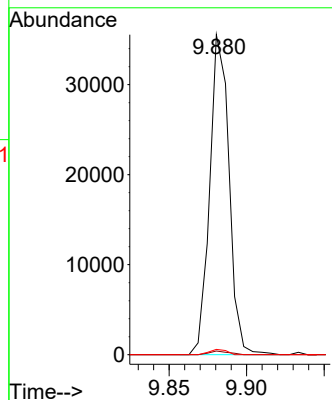
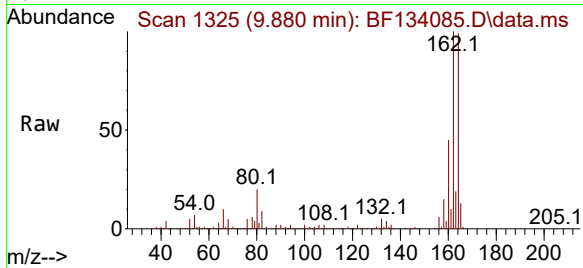




#51
2,6-Dinitrotoluene
Concen: 8.317 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134085.D
Acq: 06 Jul 2023 01:40

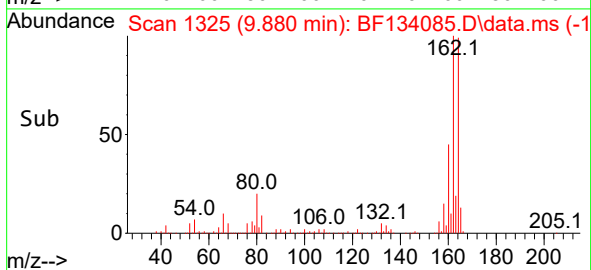
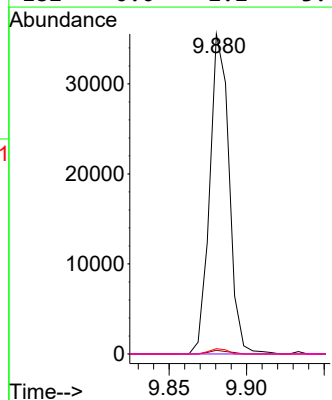
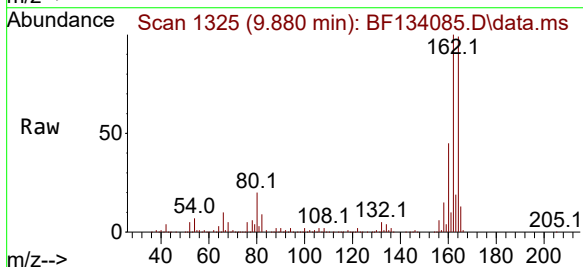
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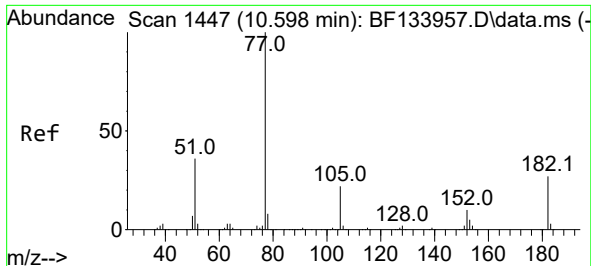
Tgt Ion:165 Resp: 30880
Ion Ratio Lower Upper
165 100
63 1.1 48.5 72.7#
89 1.7 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.297 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134085.D
Acq: 06 Jul 2023 01:40

Tgt Ion:165 Resp: 30880
Ion Ratio Lower Upper
165 100
63 1.1 42.2 63.2#
89 1.7 57.4 86.2#
182 0.0 2.2 3.4#

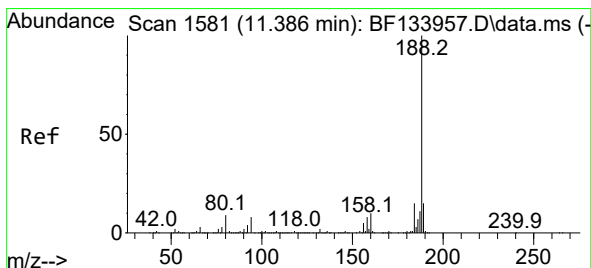
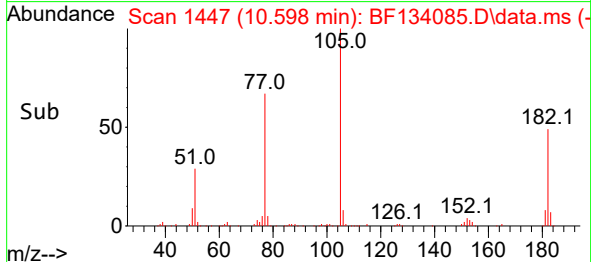
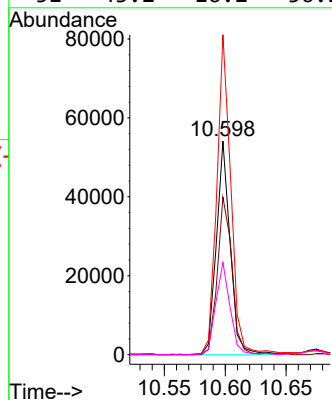
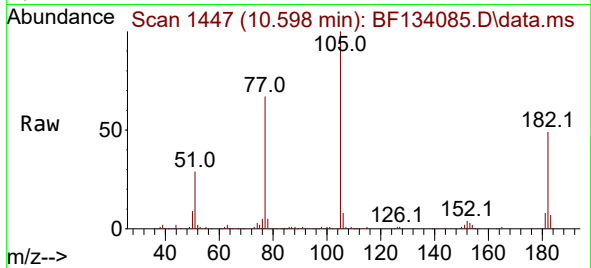




#63
 Azobenzene
 Concen: 2.519 ng
 RT: 10.598 min Scan# 1447
 Delta R.T. -0.000 min
 Lab File: BF134085.D
 Acq: 06 Jul 2023 01:40

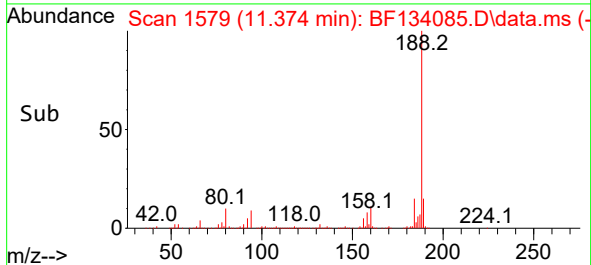
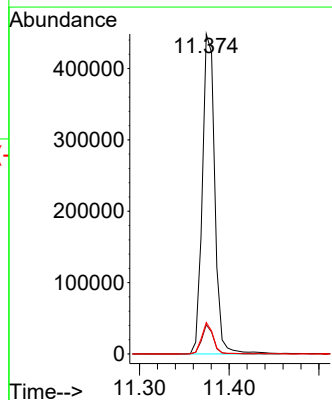
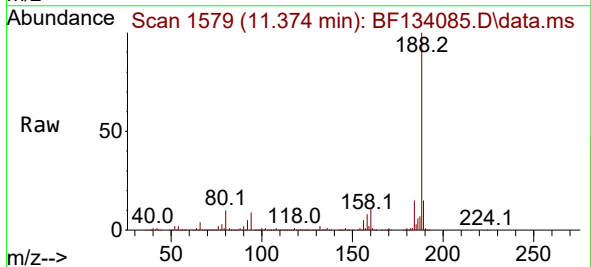
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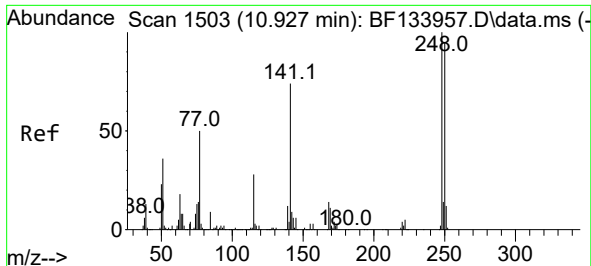
Tgt Ion: 77 Resp: 42802
 Ion Ratio Lower Upper
 77 100
 182 73.8 6.8 46.8#
 105 149.8 2.3 42.3#
 51 43.2 16.2 56.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.374 min Scan# 1579
 Delta R.T. -0.012 min
 Lab File: BF134085.D
 Acq: 06 Jul 2023 01:40

Tgt Ion: 188 Resp: 432114
 Ion Ratio Lower Upper
 188 100
 94 9.1 6.4 9.6
 80 9.9 7.3 10.9

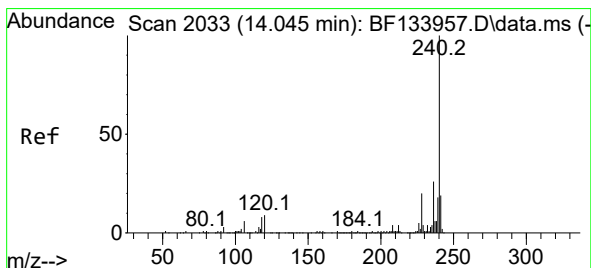
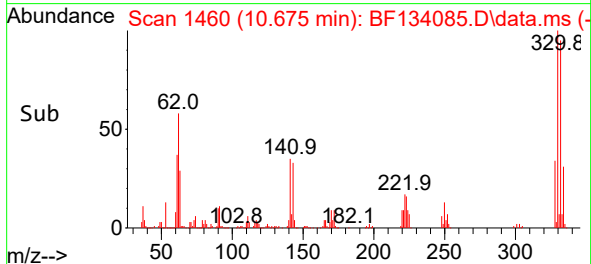
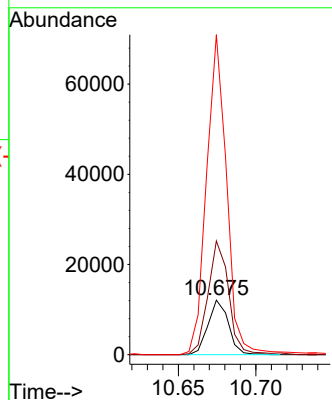
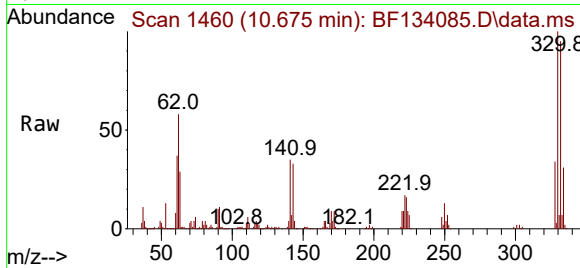




#67
4-Bromophenyl-phenylether
Concen: 2.420 ng
RT: 10.675 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF134085.D
Acq: 06 Jul 2023 01:40

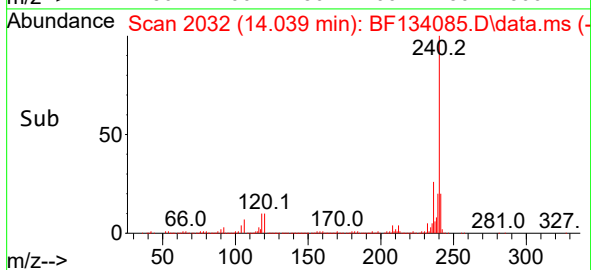
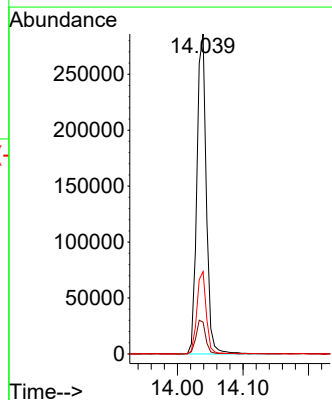
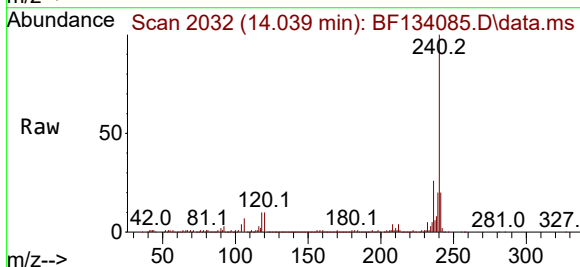
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-012

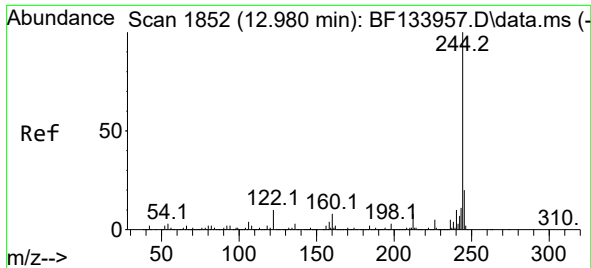
Tgt Ion:248 Resp: 11117
Ion Ratio Lower Upper
248 100
250 208.6 76.2 114.4#
141 586.7 59.0 88.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134085.D
Acq: 06 Jul 2023 01:40

Tgt Ion:240 Resp: 286616
Ion Ratio Lower Upper
240 100
120 10.0 7.4 11.0
236 25.7 21.0 31.6

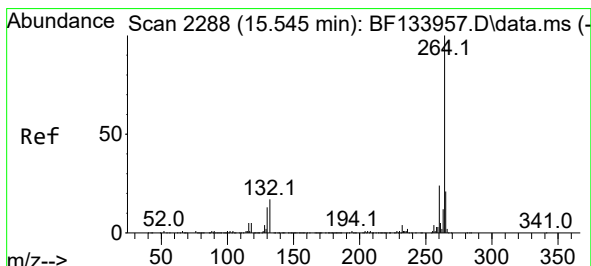
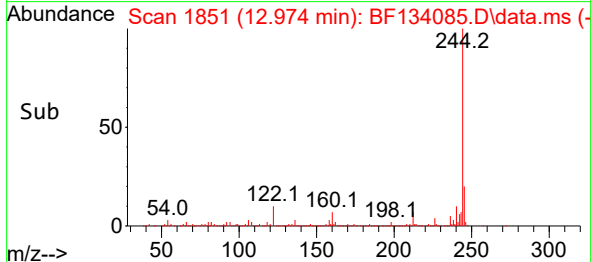
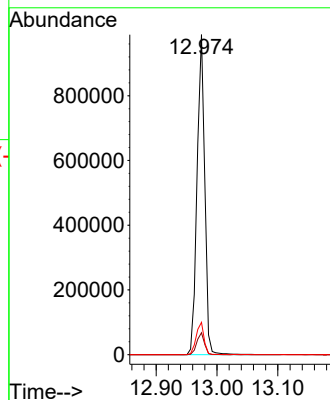
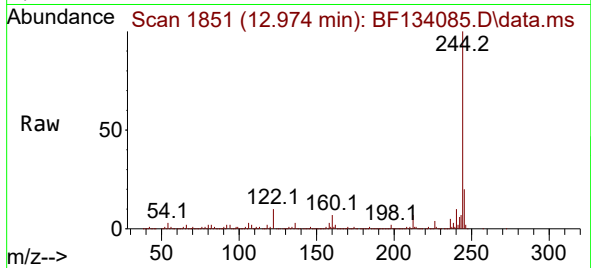




#79
 Terphenyl-d14
 Concen: 48.762 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF134085.D
 Acq: 06 Jul 2023 01:40

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-012

Tgt Ion:244 Resp: 868380
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 10.1 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: BF134085.D
 Acq: 06 Jul 2023 01:40

Tgt Ion:264 Resp: 253586
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.5 29.3
 265 22.1 16.6 25.0

