

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
 Data File : BF134083.D
 Acq On : 06 Jul 2023 00:31
 Operator : CG\JU
 Sample : 03473-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-010

Quant Time: Jul 06 00:57:02 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)

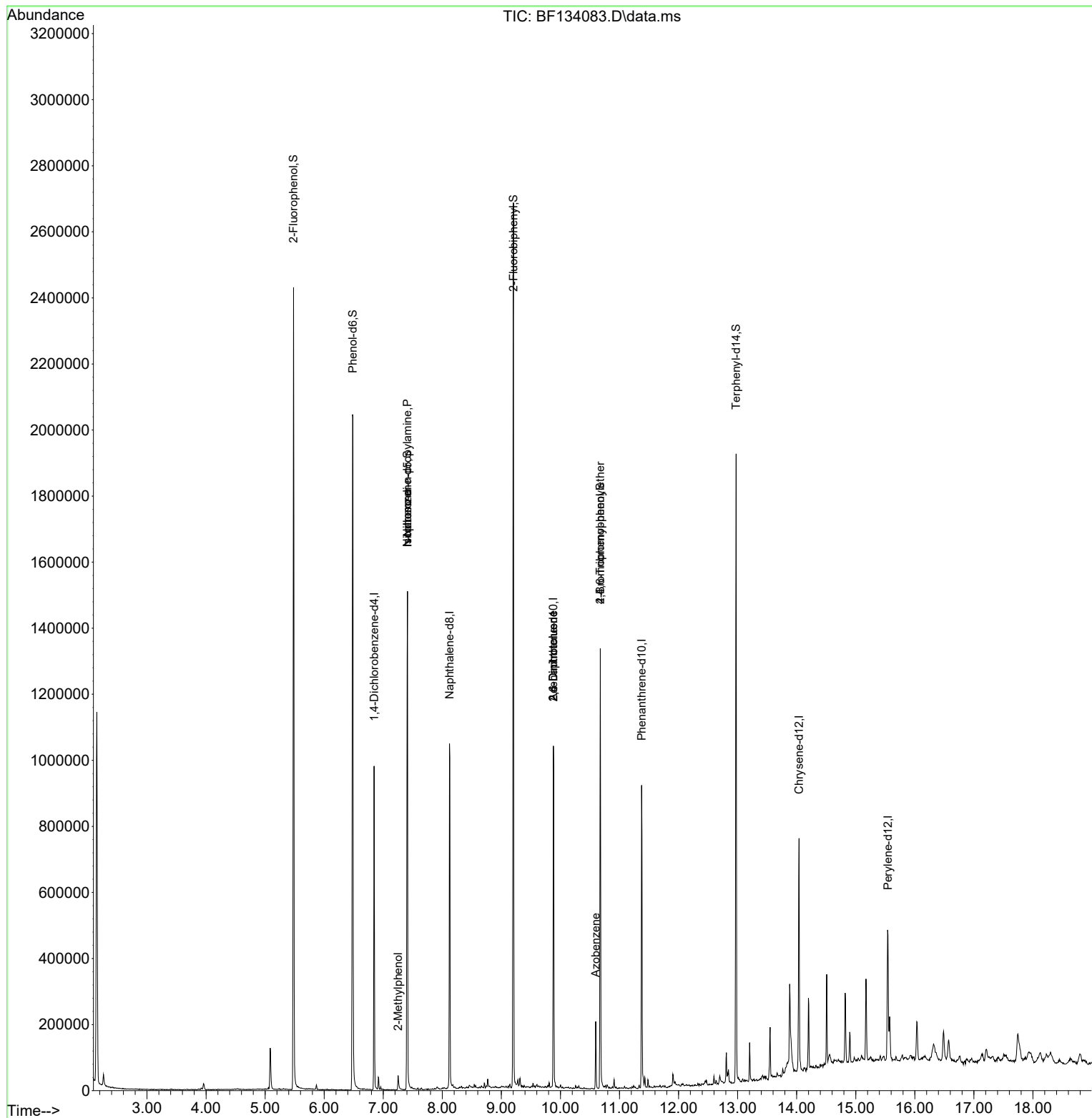
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	125460	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	474632	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	212410	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	345588	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	244226	20.000	ng	-0.01
86) Perylene-d12	15.545	264	200805	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	612359	81.646	ng	0.00
7) Phenol-d6	6.486	99	698141	75.690	ng	0.00
23) Nitrobenzene-d5	7.410	82	451272	51.252	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	147419	55.354	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	783371	53.620	ng	0.00
79) Terphenyl-d14	12.974	244	629974	41.515	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.486	77	1602	Below Cal	#	1
17) 2-Methylphenol	7.251	107	14407	2.113 ng	#	72
19) n-Nitroso-di-n-propyla...	7.410	70	63410	10.840 ng	#	79
25) Isophorone	7.410	82	451268	28.200 ng	#	64
51) 2,6-Dinitrotoluene	9.880	165	27135	8.171 ng	#	24
57) 2,4-Dinitrotoluene	9.880	165	27135	6.187 ng	#	22
63) Azobenzene	10.598	77	34918	2.298 ng	#	1
67) 4-Bromophenyl-phenylether	10.674	248	8414	2.291 ng	#	1

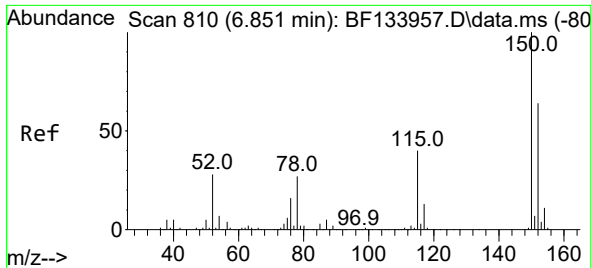
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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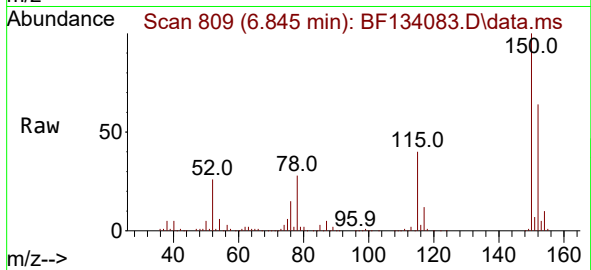
Quant Time: Jul 06 00:57:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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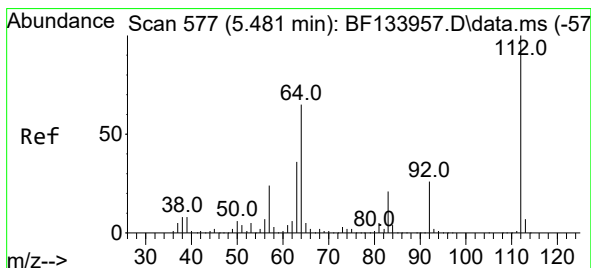
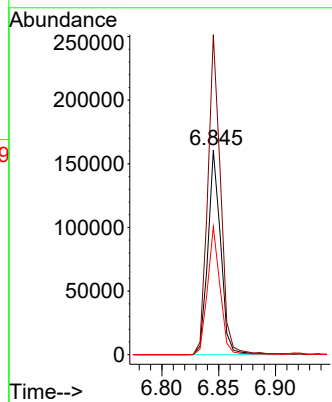
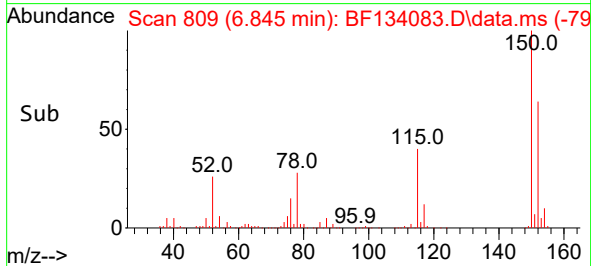


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

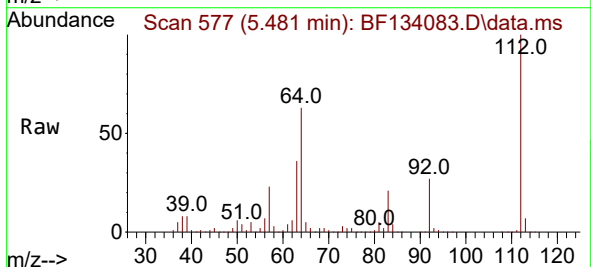
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-010



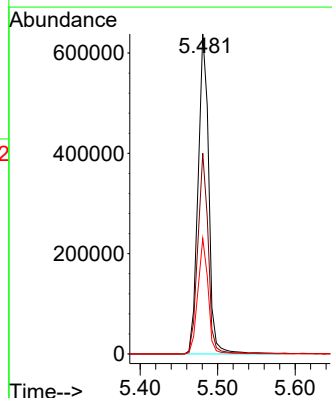
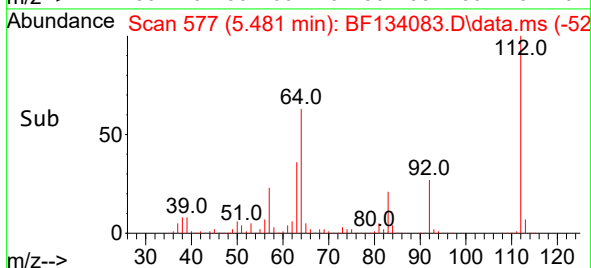
Tgt Ion:152 Resp: 125460
Ion Ratio Lower Upper
152 100
150 156.5 124.5 186.7
115 62.6 50.2 75.2

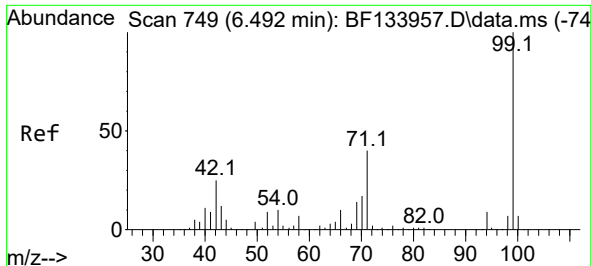


#5
2-Fluorophenol
Concen: 81.646 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31



Tgt Ion:112 Resp: 612359
Ion Ratio Lower Upper
112 100
64 62.8 52.1 78.1
63 36.1 28.6 42.8





#7

Phenol-d6

Concen: 75.690 ng

RT: 6.486 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF134083.D

Acq: 06 Jul 2023 00:31

Instrument :

BNA_F

ClientSampleId :

CMC-EME-TOPSOIL-010

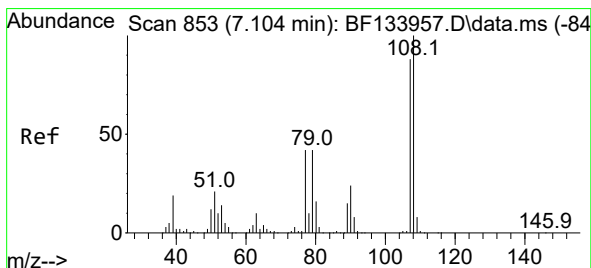
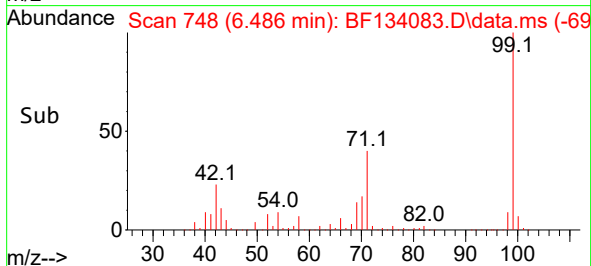
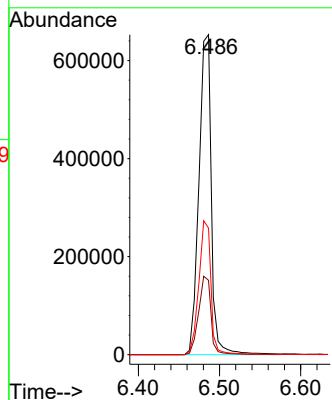
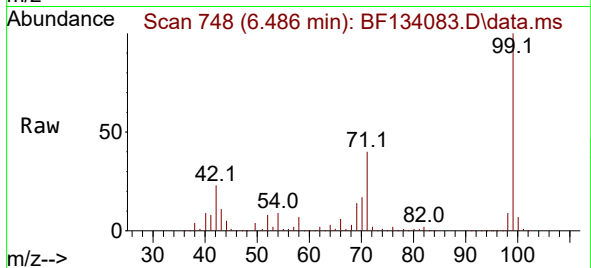
Tgt Ion: 99 Resp: 698141

Ion Ratio Lower Upper

99 100

42 23.3 19.8 29.6

71 39.5 31.9 47.9



#17

2-Methylphenol

Concen: 2.113 ng

RT: 7.251 min Scan# 878

Delta R.T. 0.141 min

Lab File: BF134083.D

Acq: 06 Jul 2023 00:31

Tgt Ion: 107 Resp: 14407

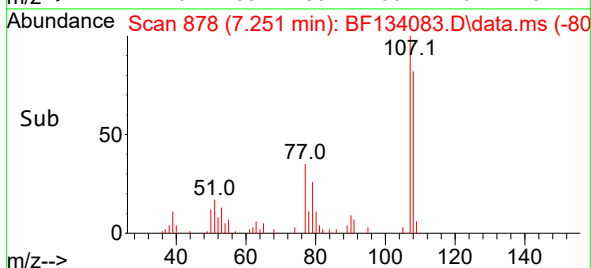
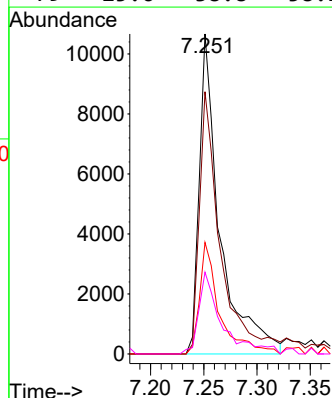
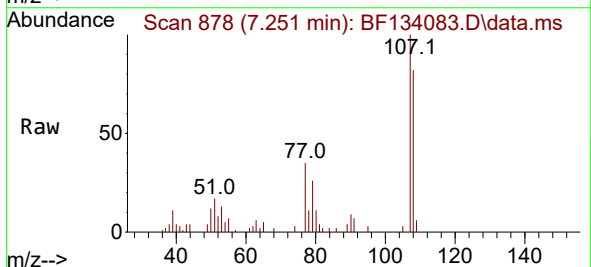
Ion Ratio Lower Upper

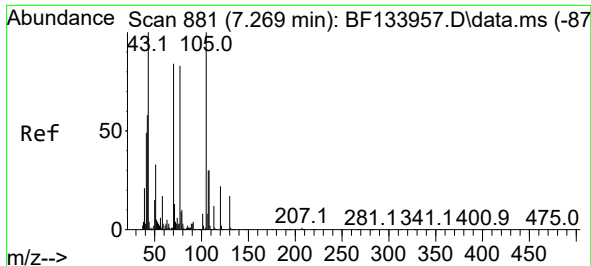
107 100

108 82.0 90.6 136.0#

77 34.8 38.3 57.5#

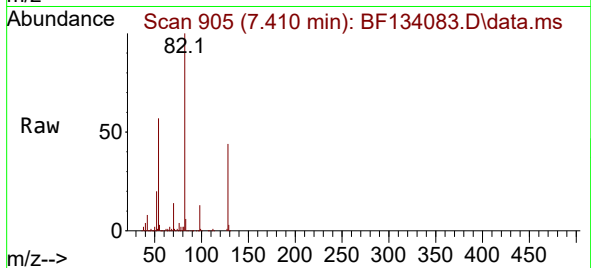
79 25.6 38.8 58.2#



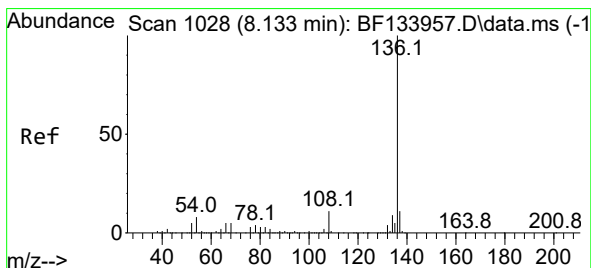
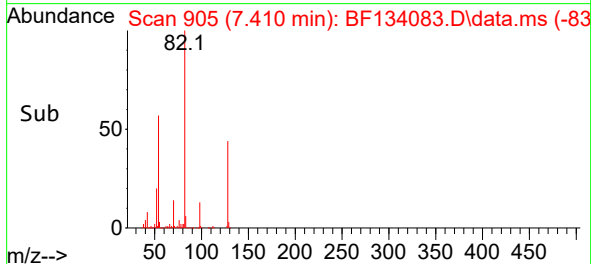
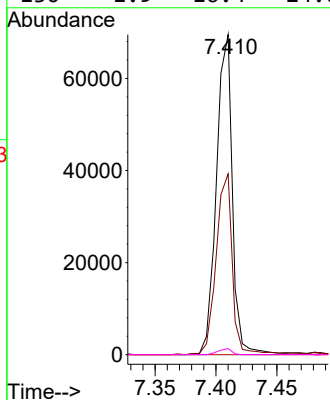


#19
n-Nitroso-di-n-propylamine
Concen: 10.840 ng
RT: 7.410 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-010

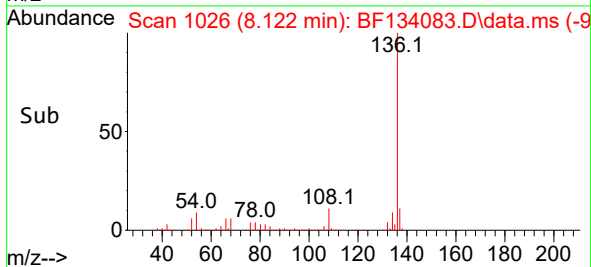
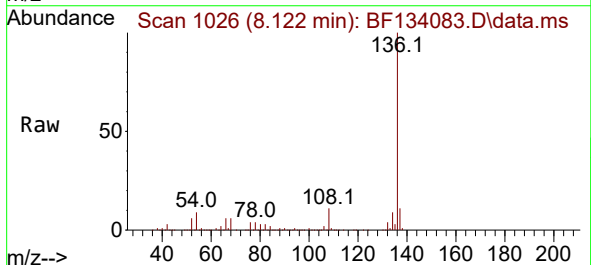
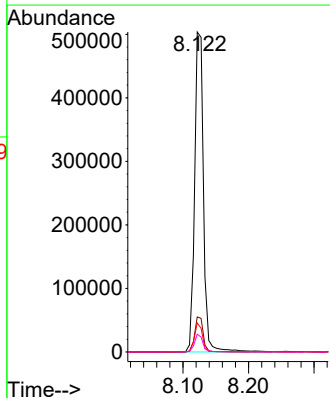


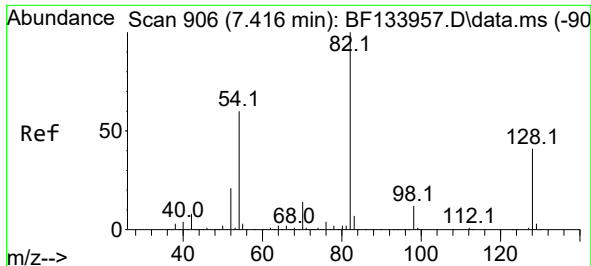
Tgt Ion: 70 Resp: 63410
Ion Ratio Lower Upper
70 100
42 56.5 54.7 82.1
101 0.0 7.7 11.5#
130 1.9 16.4 24.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

Tgt Ion: 136 Resp: 474632
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.1 6.5 9.7
68 5.6 4.2 6.2

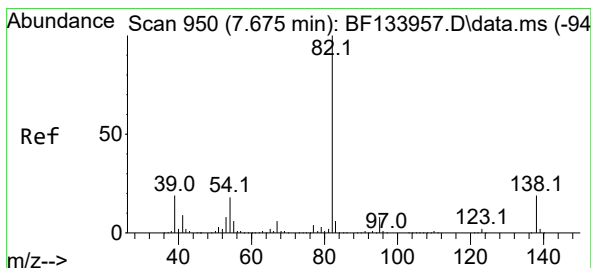
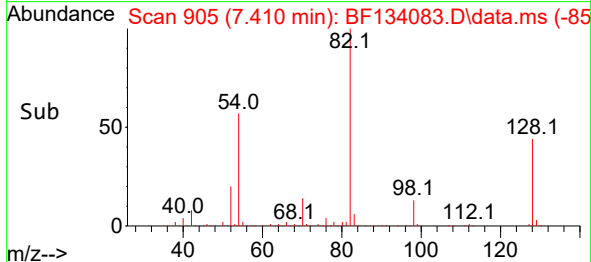
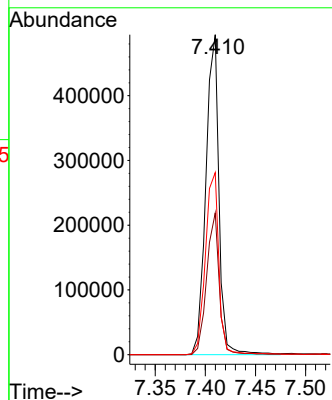
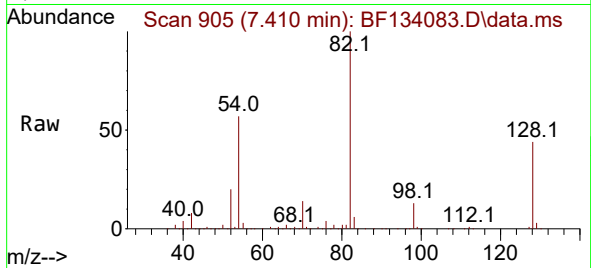




#23
Nitrobenzene-d5
Concen: 51.252 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

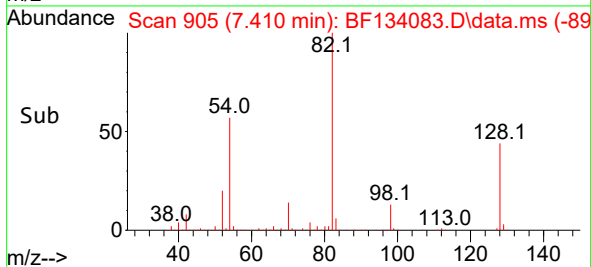
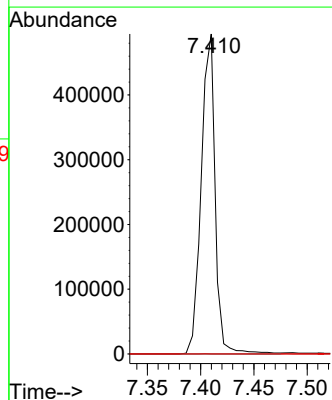
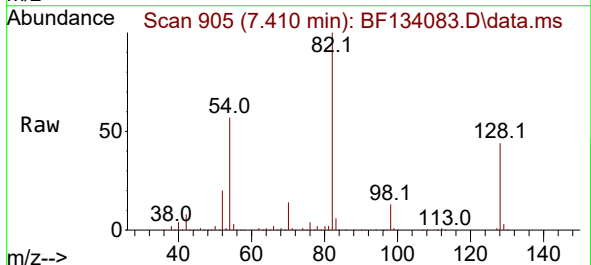
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-010

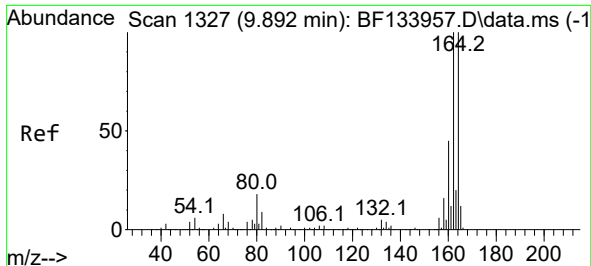
Tgt Ion: 82 Resp: 451272
Ion Ratio Lower Upper
82 100
128 44.3 32.5 48.7
54 56.9 48.2 72.2



#25
Isophorone
Concen: 28.200 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

Tgt Ion: 82 Resp: 451268
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#

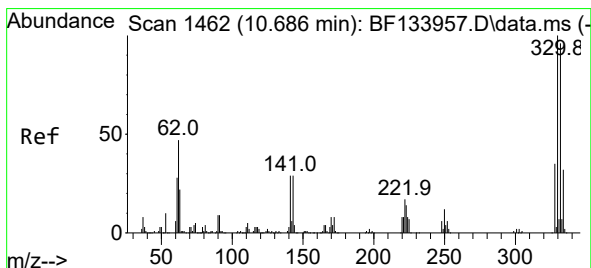
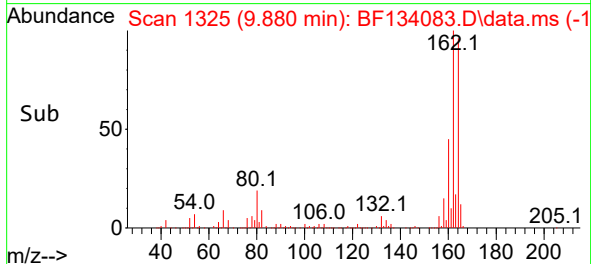
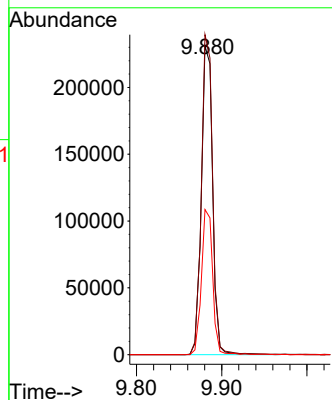
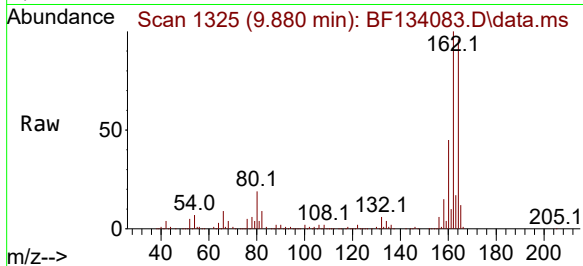




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

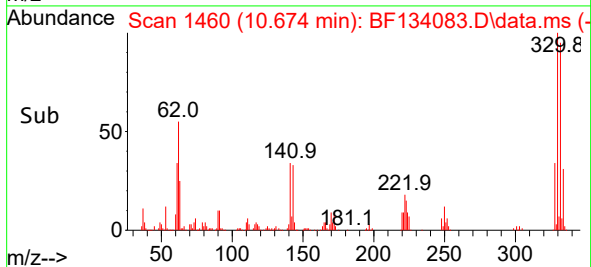
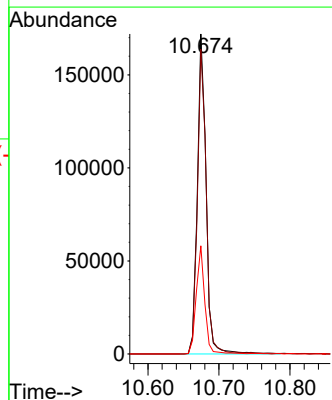
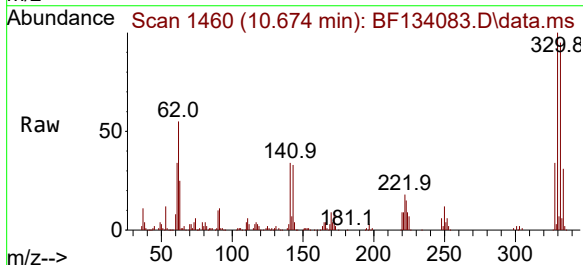
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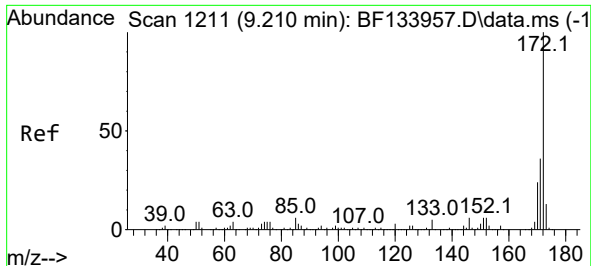
Tgt Ion:164 Resp: 212410
Ion Ratio Lower Upper
164 100
162 103.7 80.0 120.0
160 47.0 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 55.354 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

Tgt Ion:330 Resp: 147419
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.6
141 33.0 26.3 39.5

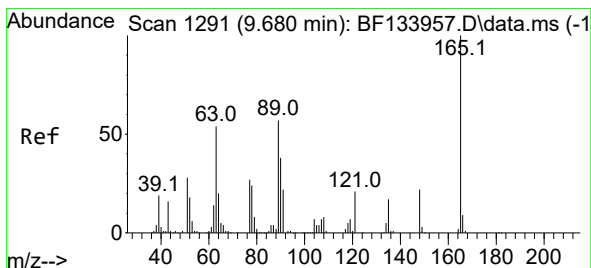
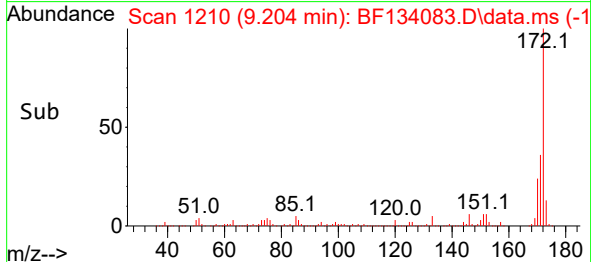
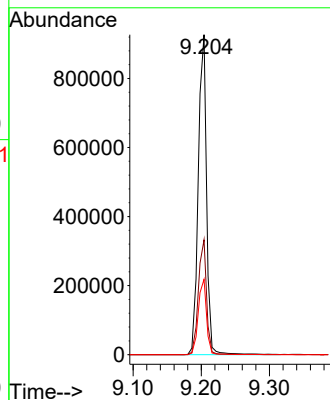
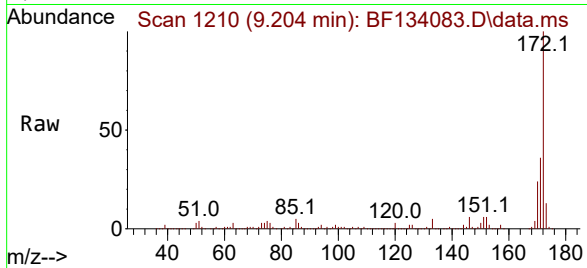




#45
2-Fluorobiphenyl
Concen: 53.620 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

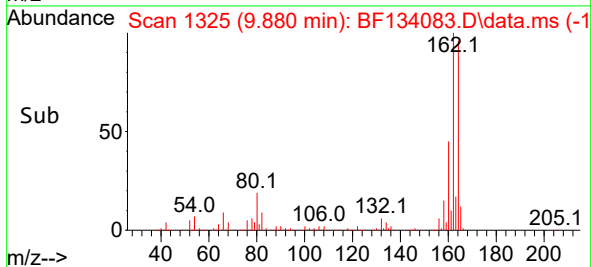
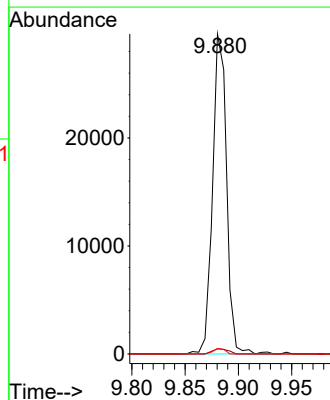
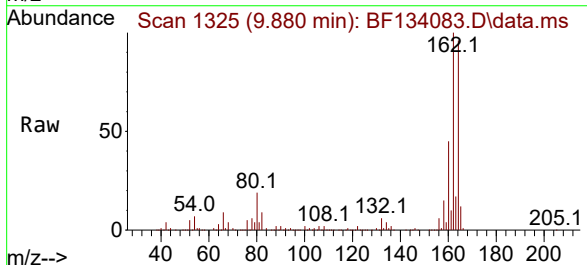
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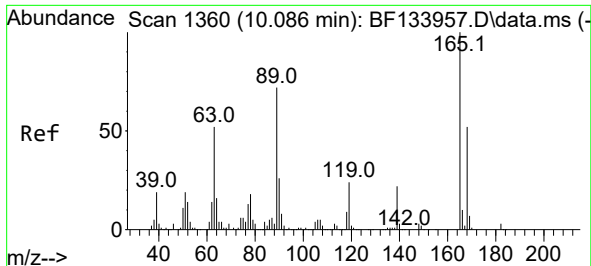
Tgt Ion:172 Resp: 783371
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.5 19.4 29.0



#51
2,6-Dinitrotoluene
Concen: 8.171 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.200 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

Tgt Ion:165 Resp: 27135
Ion Ratio Lower Upper
165 100
63 1.6 48.5 72.7#
89 1.7 45.5 68.3#

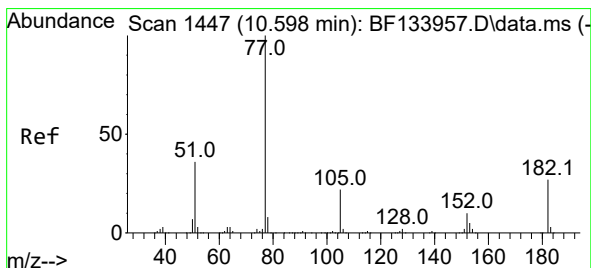
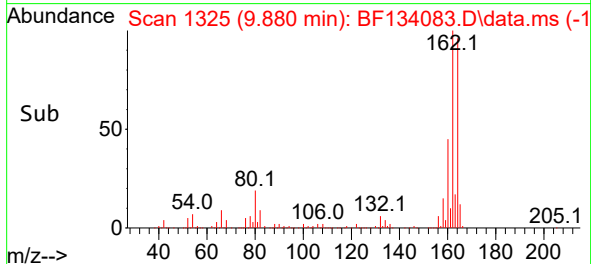
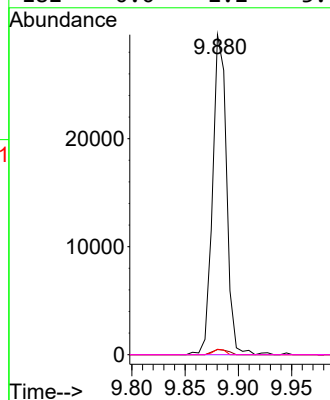
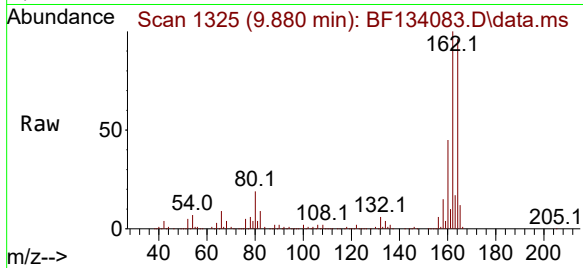




#57
2,4-Dinitrotoluene
Concen: 6.187 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

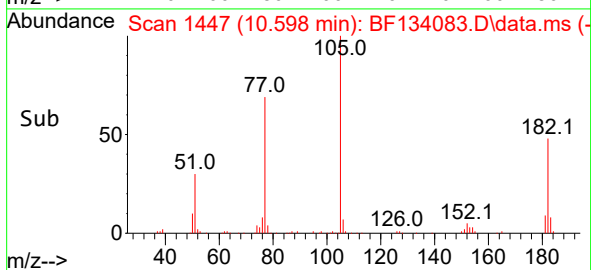
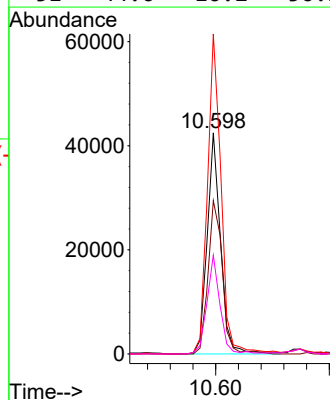
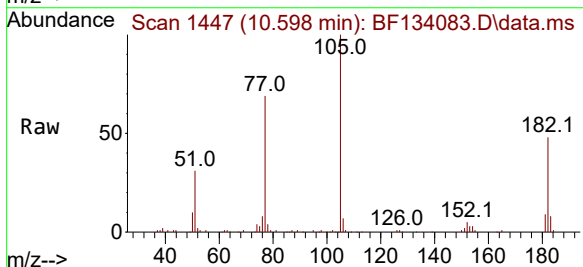
Instrument :
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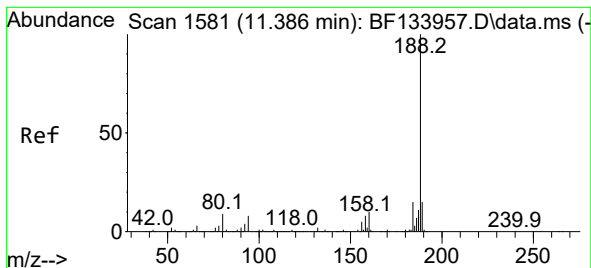
Tgt Ion:165 Resp: 27135
Ion Ratio Lower Upper
165 100
63 1.6 42.2 63.2#
89 1.7 57.4 86.2#
182 0.0 2.2 3.4#



#63
Azobenzene
Concen: 2.298 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

Tgt Ion: 77 Resp: 34918
Ion Ratio Lower Upper
77 100
182 69.3 6.8 46.8#
105 144.7 2.3 42.3#
51 44.6 16.2 56.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134083.D

Acq: 06 Jul 2023 00:31

Instrument :

BNA_F

ClientSampleId :

CMC-EME-TOPSOIL-010

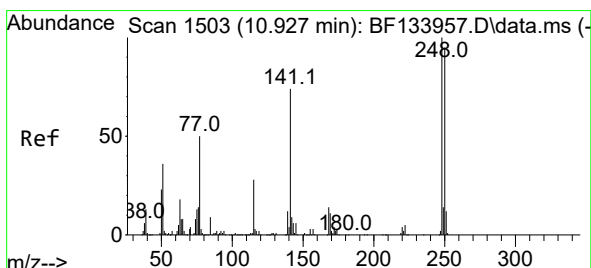
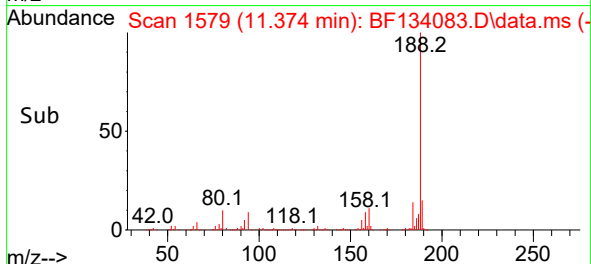
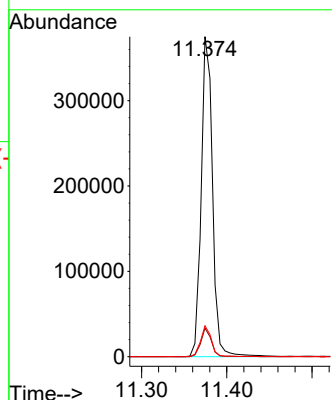
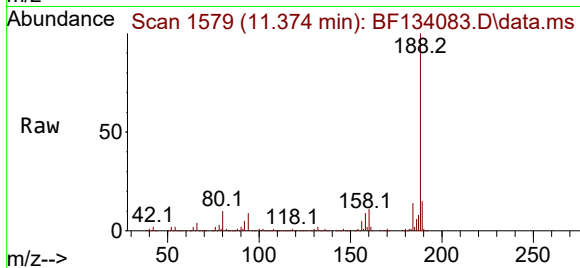
Tgt Ion:188 Resp: 345588

Ion Ratio Lower Upper

188 100

94 8.9 6.4 9.6

80 9.6 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 2.291 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.253 min

Lab File: BF134083.D

Acq: 06 Jul 2023 00:31

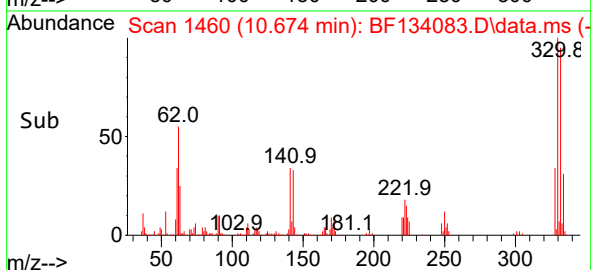
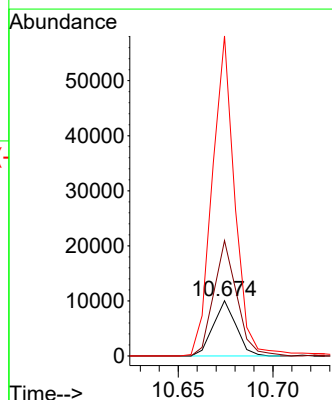
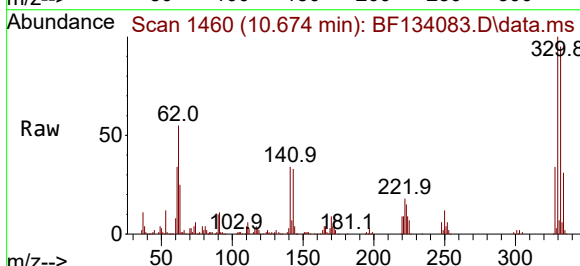
Tgt Ion:248 Resp: 8414

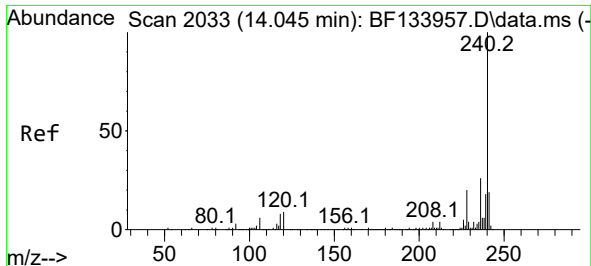
Ion Ratio Lower Upper

248 100

250 209.1 76.2 114.4#

141 580.0 59.0 88.4#

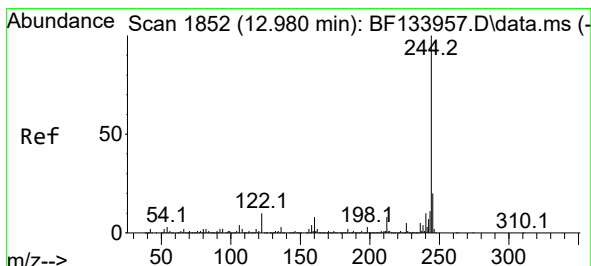
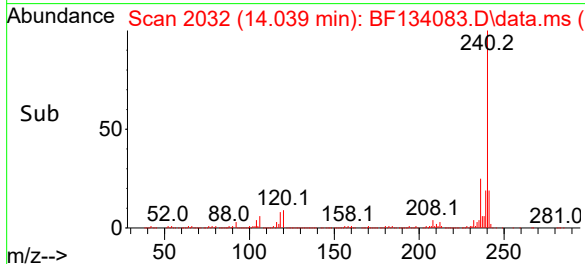
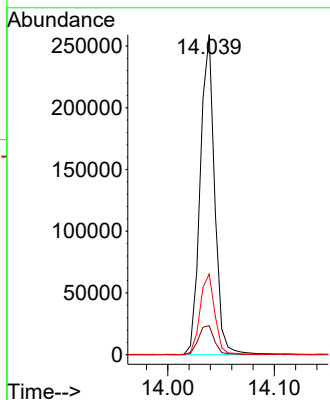
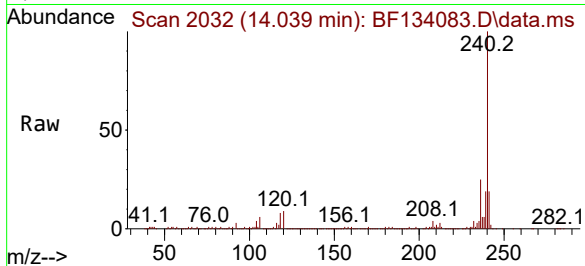




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

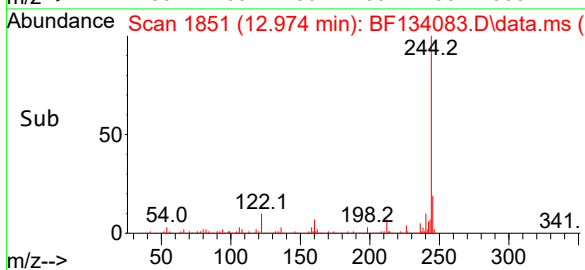
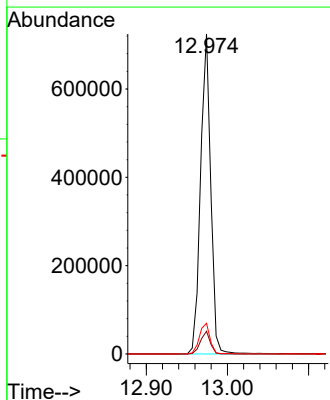
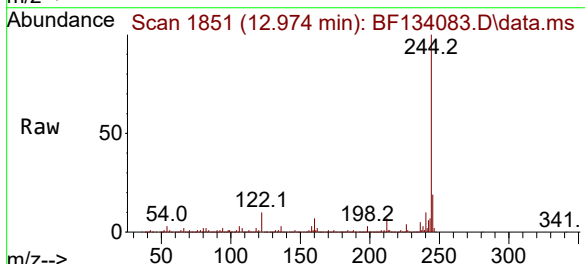
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-010

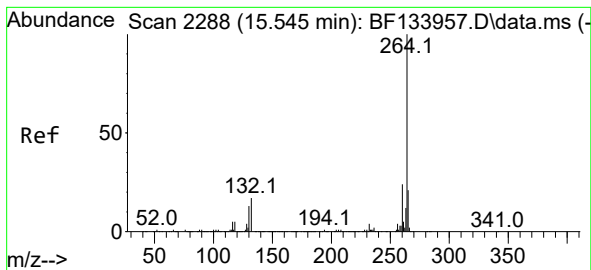
Tgt Ion:240 Resp: 244226
Ion Ratio Lower Upper
240 100
120 9.0 7.4 11.0
236 25.2 21.0 31.6



#79
Terphenyl-d14
Concen: 41.515 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

Tgt Ion:244 Resp: 629974
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 9.6 8.3 12.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-010

Tgt Ion:264 Resp: 200805
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 22.5 16.6 25.0

