

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
 Data File : BF134087.D
 Acq On : 06 Jul 2023 02:48
 Operator : CG\JU
 Sample : 03473-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-014

Quant Time: Jul 06 03:32:02 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)

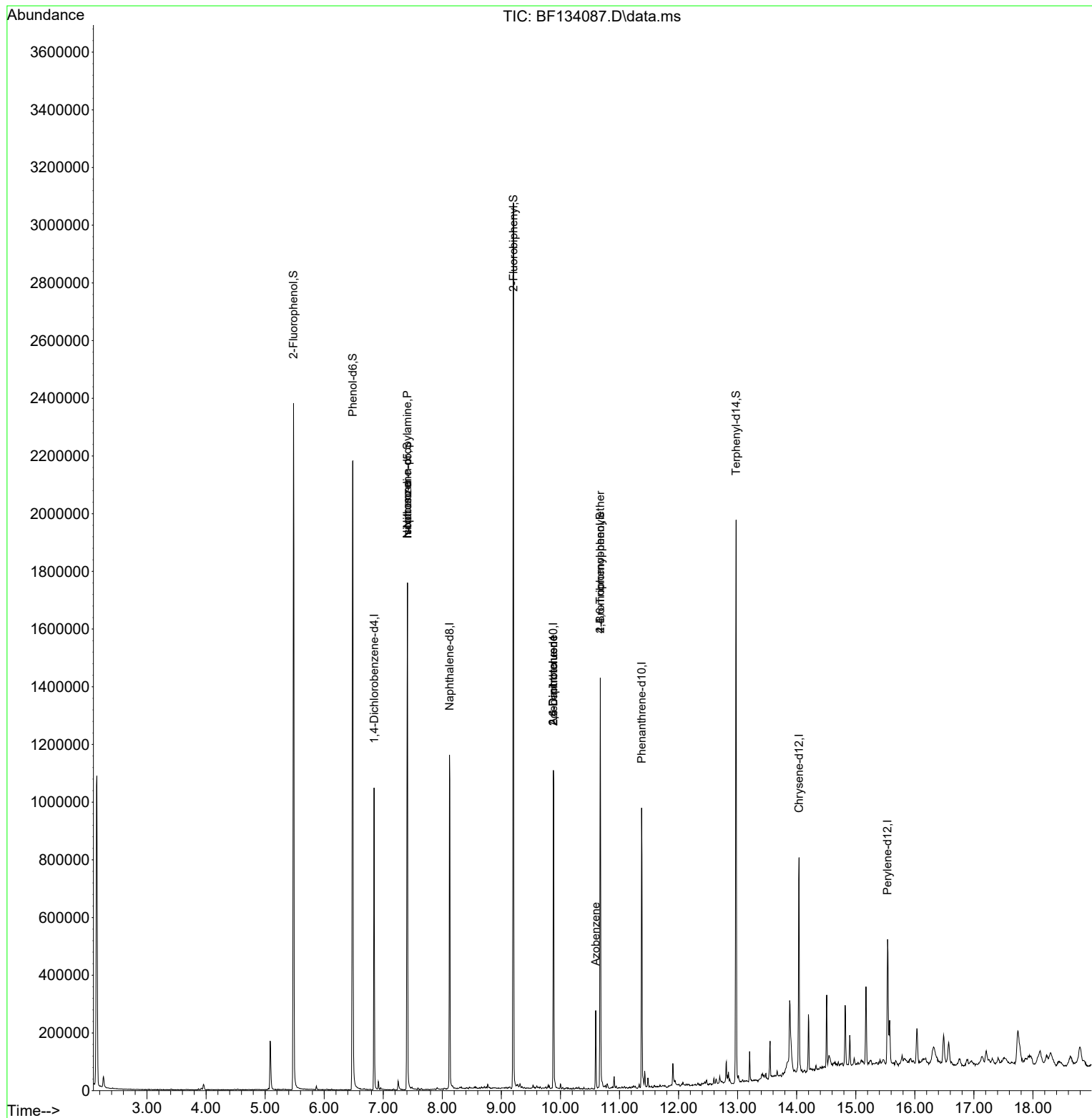
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	137765	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	502481	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	227144	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	361251	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	258640	20.000	ng	-0.01
86) Perylene-d12	15.539	264	216470	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	632418	76.789	ng	0.00
7) Phenol-d6	6.486	99	772179	76.239	ng	0.00
23) Nitrobenzene-d5	7.410	82	513392	55.076	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	161452	56.691	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	865290	55.385	ng	0.00
79) Terphenyl-d14	12.974	244	663623	41.295	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.410	77	77	Below Cal	#	49
19) n-Nitroso-di-n-propyla...	7.410	70	72207	11.242	ng	# 76
25) Isophorone	7.410	82	513458	30.308	ng	# 64
51) 2,6-Dinitrotoluene	9.880	165	29710	8.366	ng	# 24
57) 2,4-Dinitrotoluene	9.880	165	29710	6.335	ng	# 23
63) Azobenzene	10.598	77	44496	2.738	ng	# 1
67) 4-Bromophenyl-phenylether	10.674	248	10255	2.671	ng	# 1

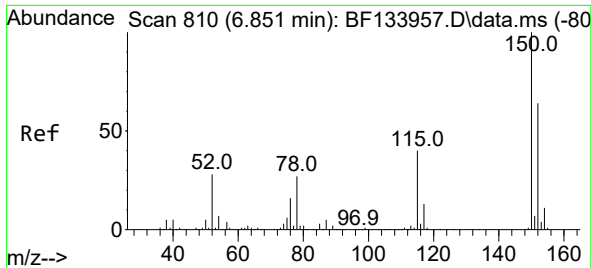
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
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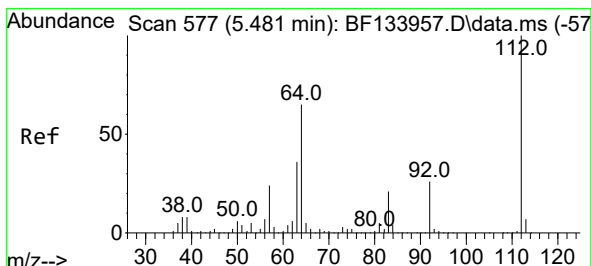
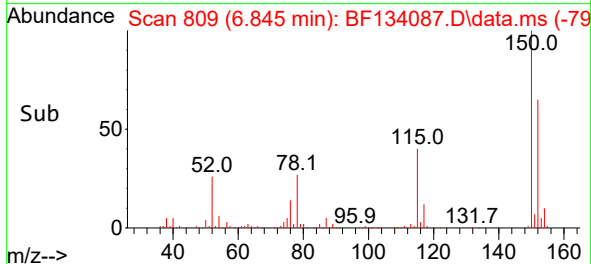
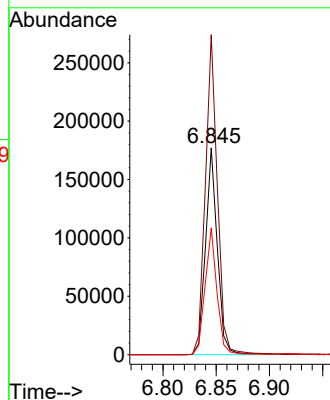
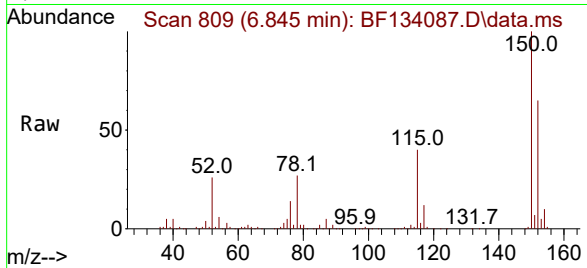




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.845 min Scan# 810
 Delta R.T. -0.006 min
 Lab File: BF134087.D
 Acq: 06 Jul 2023 02:48

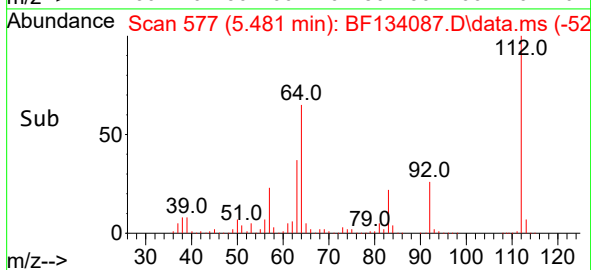
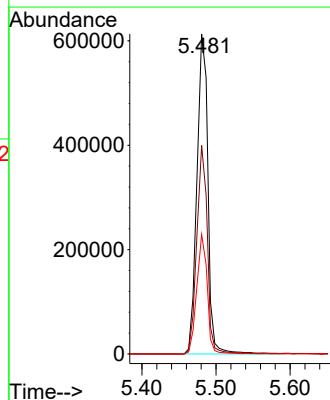
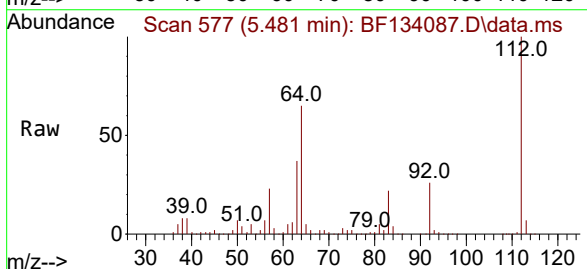
Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-014

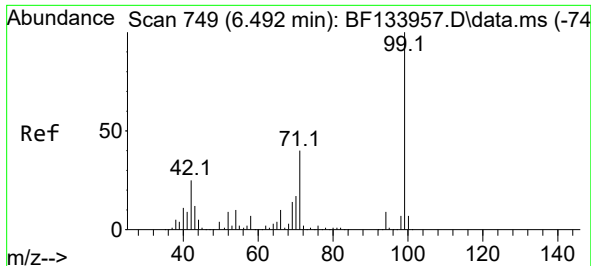
Tgt Ion:152 Resp: 137765
 Ion Ratio Lower Upper
 152 100
 150 154.7 124.5 186.7
 115 61.3 50.2 75.2



#5
 2-Fluorophenol
 Concen: 76.789 ng
 RT: 5.481 min Scan# 577
 Delta R.T. -0.006 min
 Lab File: BF134087.D
 Acq: 06 Jul 2023 02:48

Tgt Ion:112 Resp: 632418
 Ion Ratio Lower Upper
 112 100
 64 65.2 52.1 78.1
 63 37.4 28.6 42.8

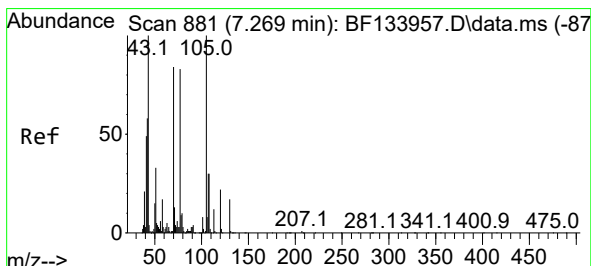
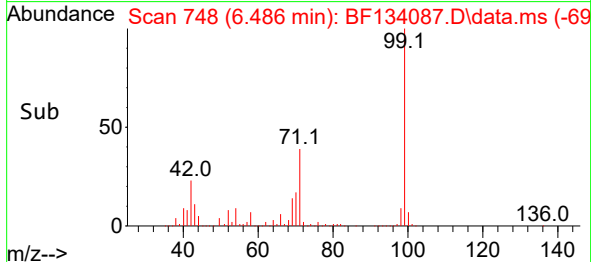
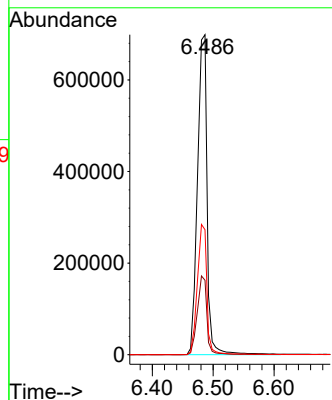
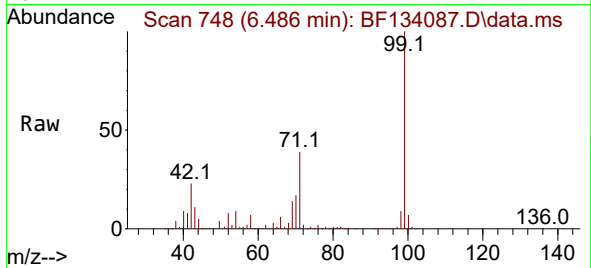




#7
Phenol-d6
Concen: 76.239 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134087.D
Acq: 06 Jul 2023 02:48

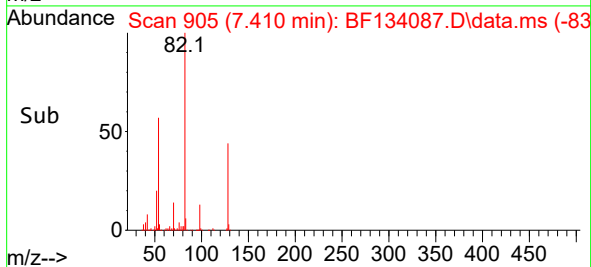
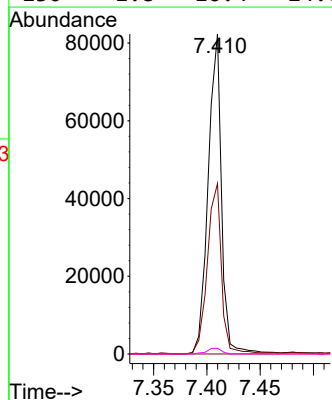
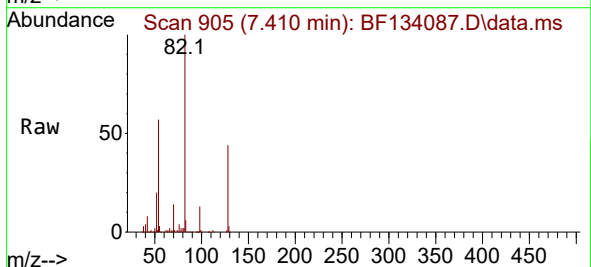
Instrument :
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ClientSampleId :
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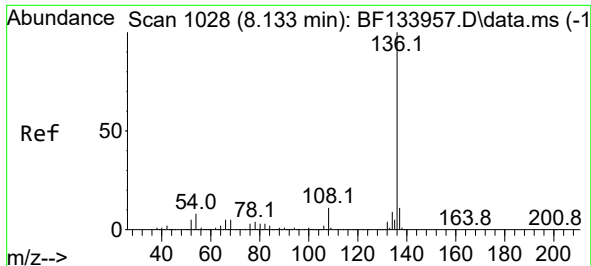
Tgt Ion: 99 Resp: 772179
Ion Ratio Lower Upper
99 100
42 23.2 19.8 29.6
71 39.0 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.242 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134087.D
Acq: 06 Jul 2023 02:48

Tgt Ion: 70 Resp: 72207
Ion Ratio Lower Upper
70 100
42 53.2 54.7 82.1#
101 0.0 7.7 11.5#
130 1.8 16.4 24.6#

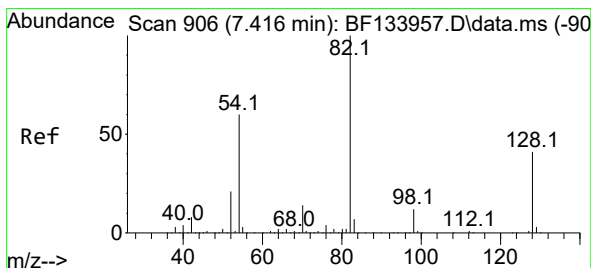
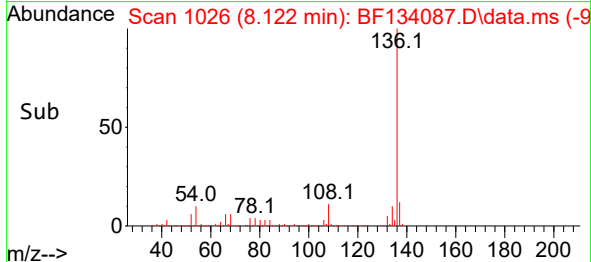
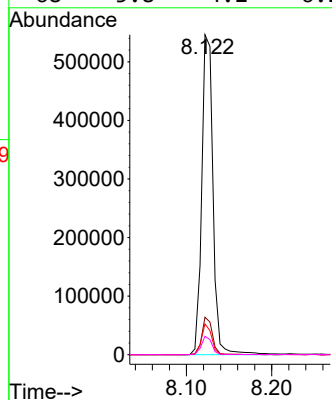
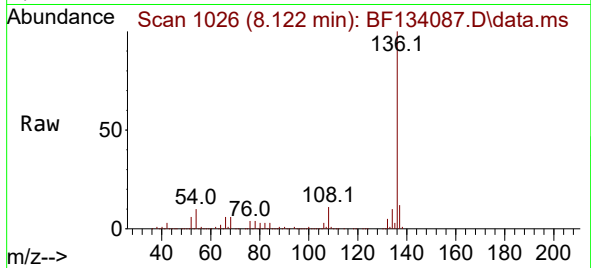




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134087.D
Acq: 06 Jul 2023 02:48

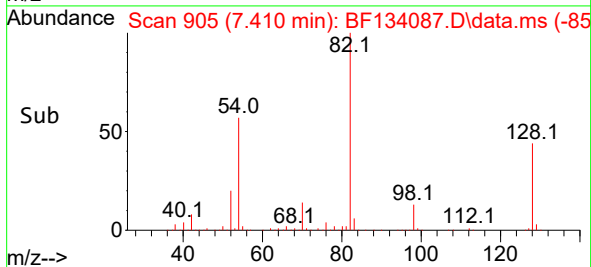
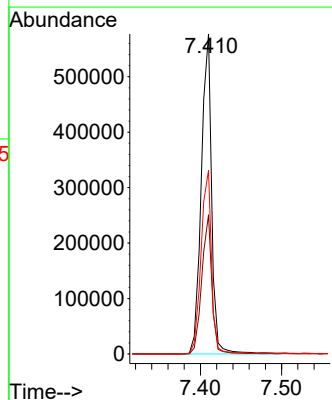
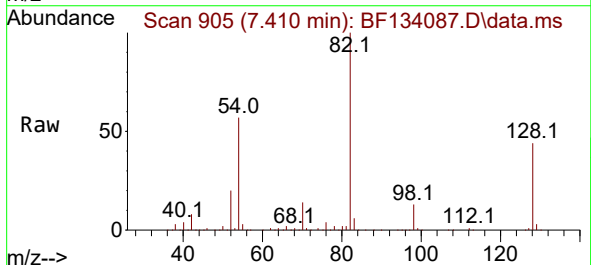
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-014

Tgt Ion:136 Resp: 502481
Ion Ratio Lower Upper
136 100
137 11.7 8.6 12.8
54 9.6 6.5 9.7
68 5.8 4.2 6.2



#23
Nitrobenzene-d5
Concen: 55.076 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF134087.D
Acq: 06 Jul 2023 02:48

Tgt Ion: 82 Resp: 513392
Ion Ratio Lower Upper
82 100
128 43.5 32.5 48.7
54 57.4 48.2 72.2

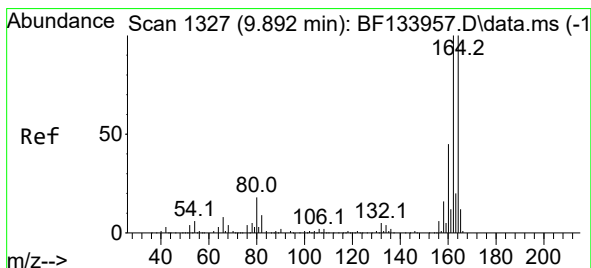
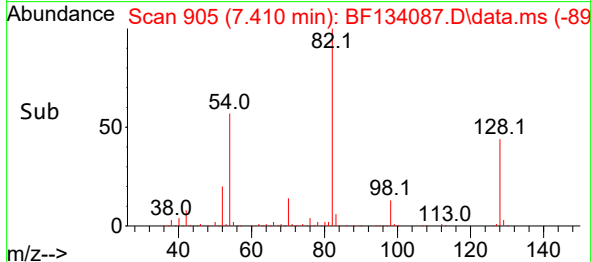
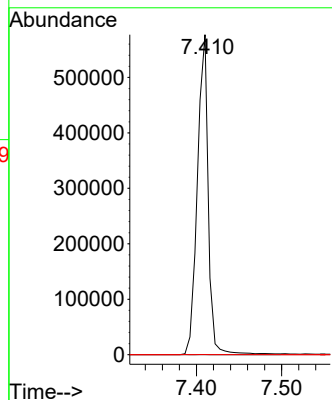
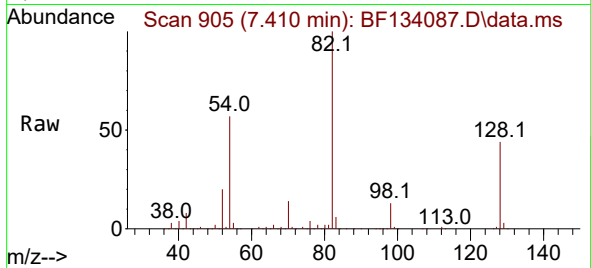




#25
Isophorone
Concen: 30.308 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134087.D
Acq: 06 Jul 2023 02:48

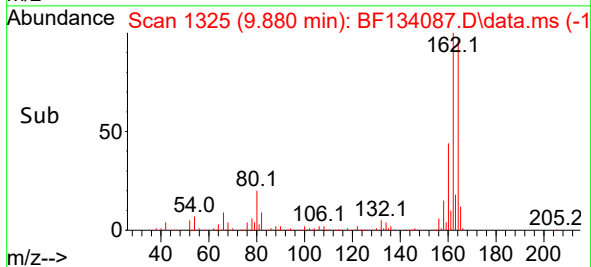
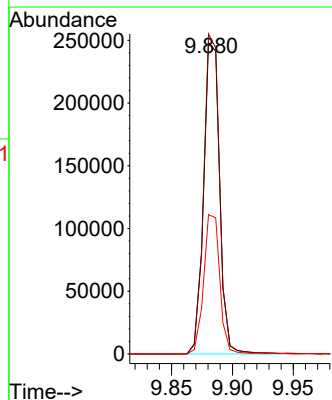
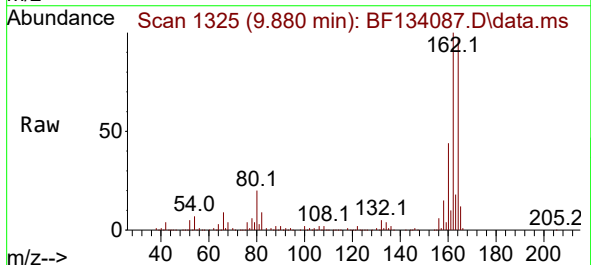
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-014

Tgt Ion: 82 Resp: 513458
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: BF134087.D
Acq: 06 Jul 2023 02:48

Tgt Ion:164 Resp: 227144
Ion Ratio Lower Upper
164 100
162 102.8 80.0 120.0
160 44.7 35.9 53.9

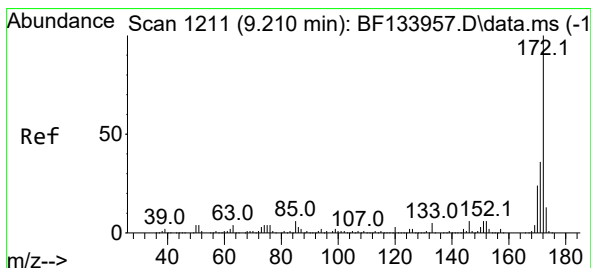
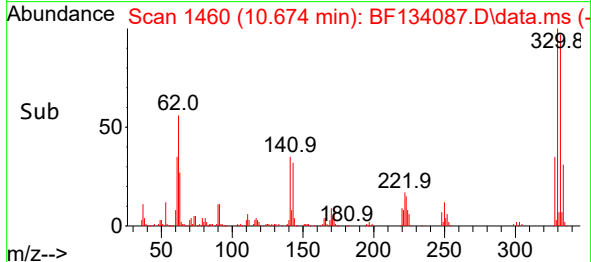
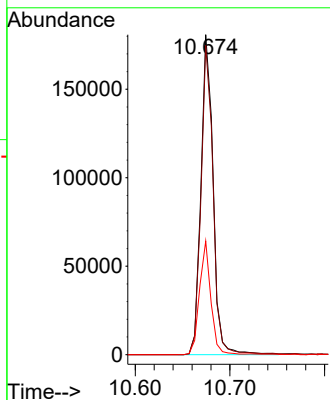
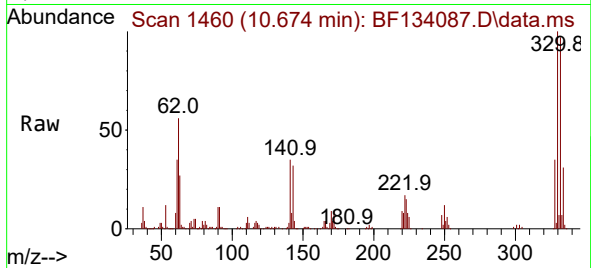




#42
2,4,6-Tribromophenol
Concen: 56.691 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134087.D
Acq: 06 Jul 2023 02:48

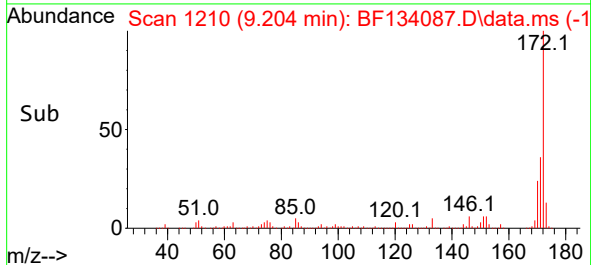
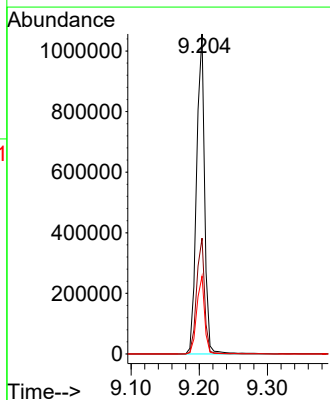
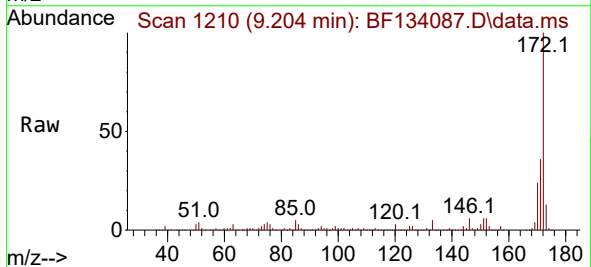
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ClientSampleId :
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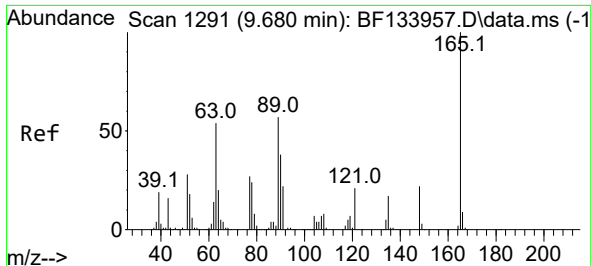
Tgt Ion: 330 Resp: 161452
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.6
141 33.6 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 55.385 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134087.D
Acq: 06 Jul 2023 02:48

Tgt Ion: 172 Resp: 865290
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 24.3 19.4 29.0

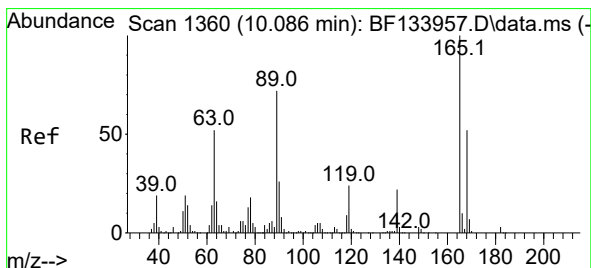
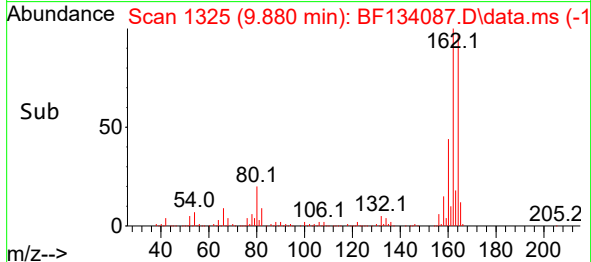
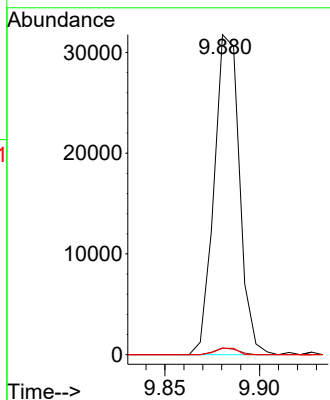
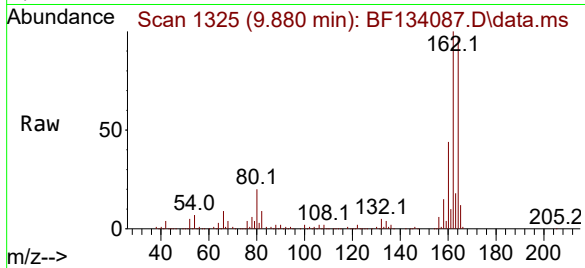




#51
2,6-Dinitrotoluene
Concen: 8.366 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134087.D
Acq: 06 Jul 2023 02:48

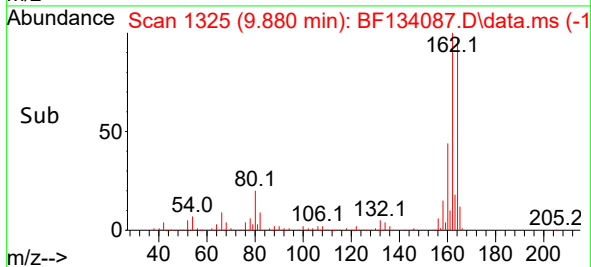
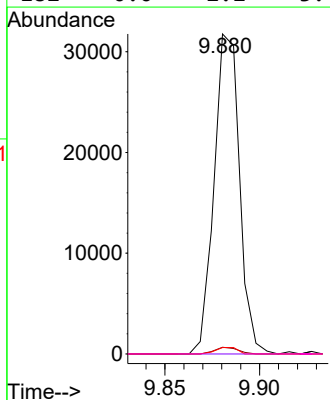
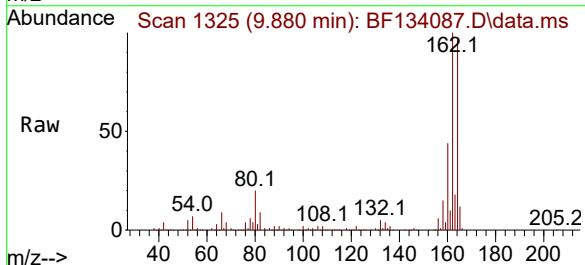
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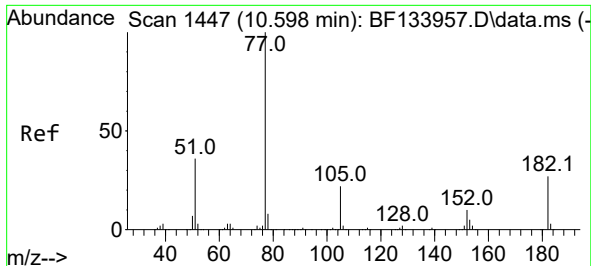
Tgt Ion:165 Resp: 29710
Ion Ratio Lower Upper
165 100
63 2.1 48.5 72.7#
89 2.0 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.335 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134087.D
Acq: 06 Jul 2023 02:48

Tgt Ion:165 Resp: 29710
Ion Ratio Lower Upper
165 100
63 2.1 42.2 63.2#
89 2.0 57.4 86.2#
182 0.0 2.2 3.4#

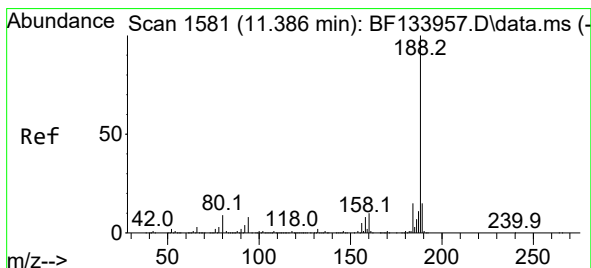
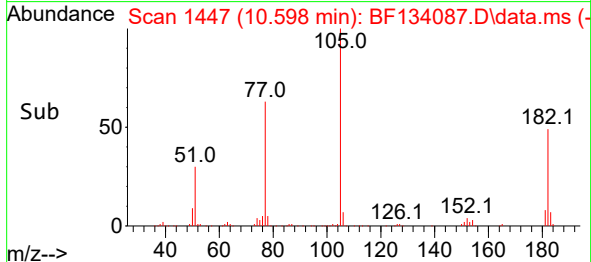
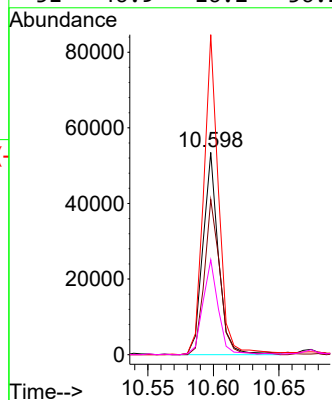
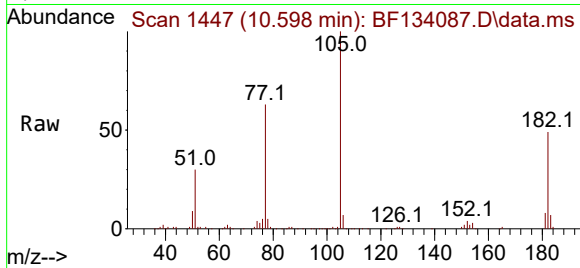




#63
Azobenzene
Concen: 2.738 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF134087.D
Acq: 06 Jul 2023 02:48

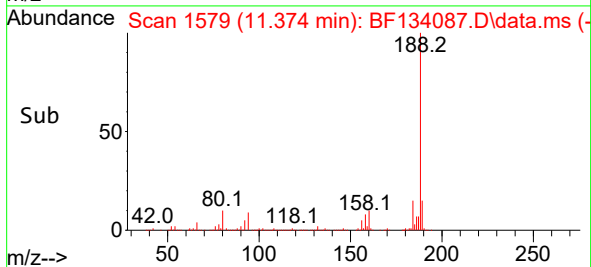
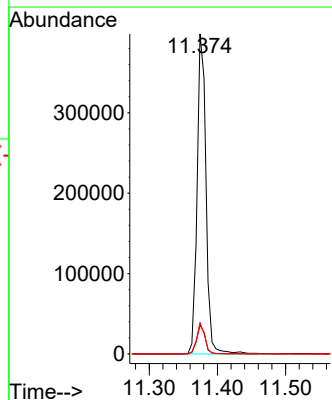
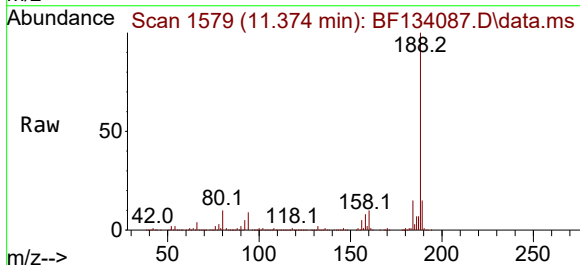
Instrument :
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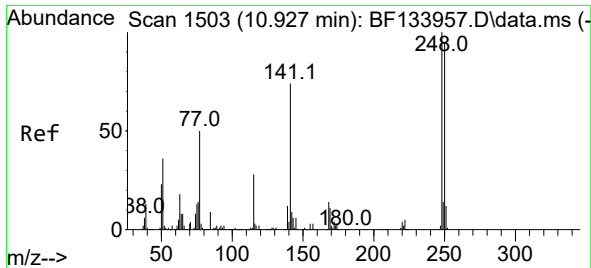
Tgt Ion: 77 Resp: 44496
Ion Ratio Lower Upper
77 100
182 76.7 6.8 46.8#
105 158.2 2.3 42.3#
51 46.9 16.2 56.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF134087.D
Acq: 06 Jul 2023 02:48

Tgt Ion:188 Resp: 361251
Ion Ratio Lower Upper
188 100
94 9.0 6.4 9.6
80 9.7 7.3 10.9

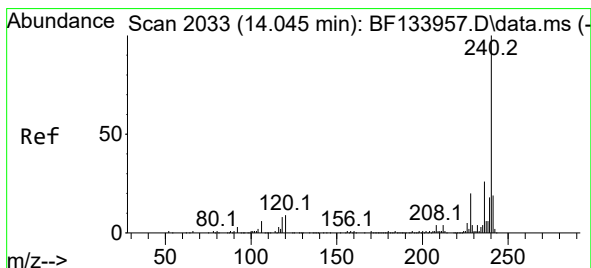
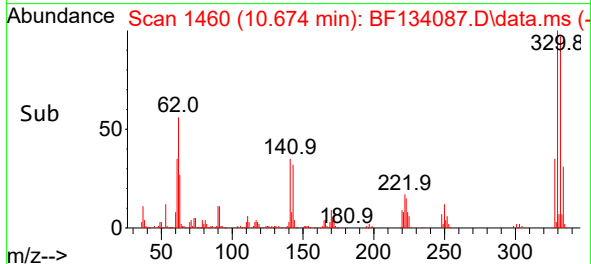
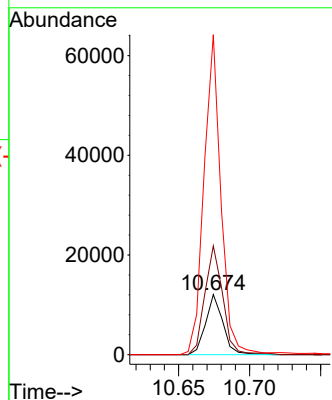
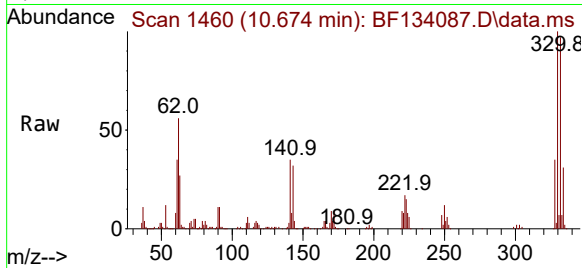




#67
4-Bromophenyl-phenylether
Concen: 2.671 ng
RT: 10.674 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF134087.D
Acq: 06 Jul 2023 02:48

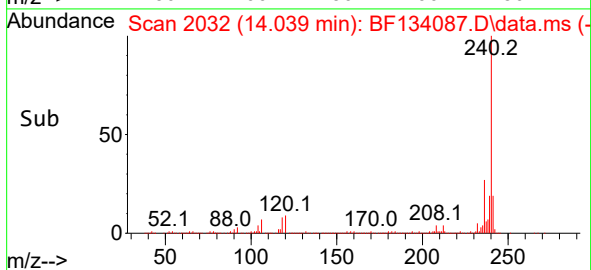
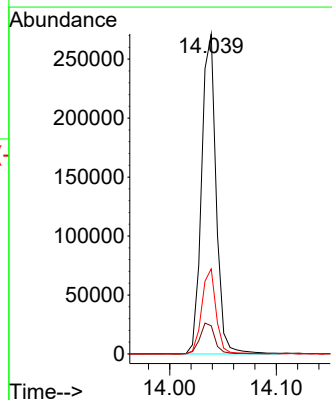
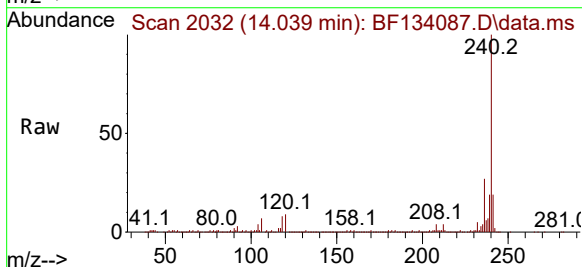
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-014

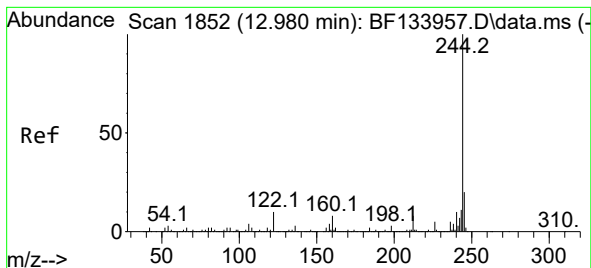
Tgt Ion:248 Resp: 10255
Ion Ratio Lower Upper
248 100
250 180.9 76.2 114.4#
141 532.2 59.0 88.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134087.D
Acq: 06 Jul 2023 02:48

Tgt Ion:240 Resp: 258640
Ion Ratio Lower Upper
240 100
120 8.8 7.4 11.0
236 26.6 21.0 31.6





#79

Terphenyl-d14

Concen: 41.295 ng

RT: 12.974 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134087.D

Acq: 06 Jul 2023 02:48

Instrument :

BNA_F

ClientSampleId :

CMC-EME-TOPSOIL-014

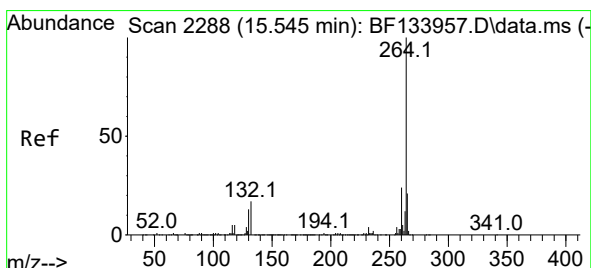
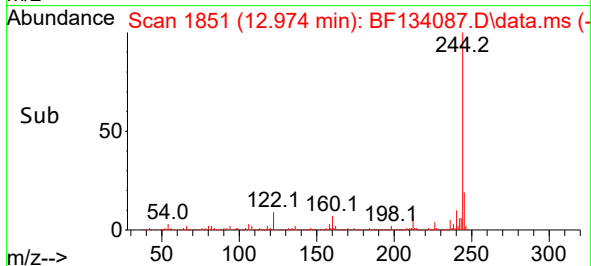
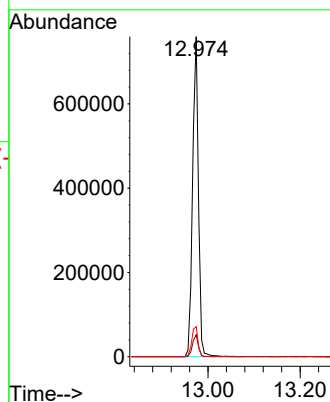
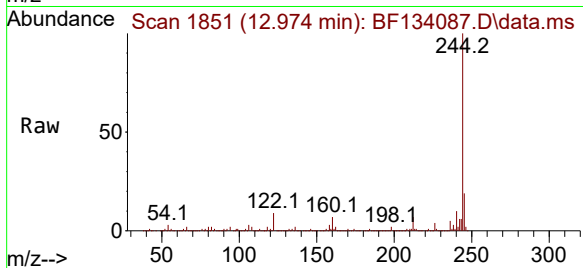
Tgt Ion:244 Resp: 663623

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.4 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: BF134087.D

Acq: 06 Jul 2023 02:48

Tgt Ion:264 Resp: 216470

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 21.3 16.6 25.0

