

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
 Data File : BF134089.D
 Acq On : 06 Jul 2023 03:56
 Operator : CG\JU
 Sample : 03473-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-016

Quant Time: Jul 06 04:51:40 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)

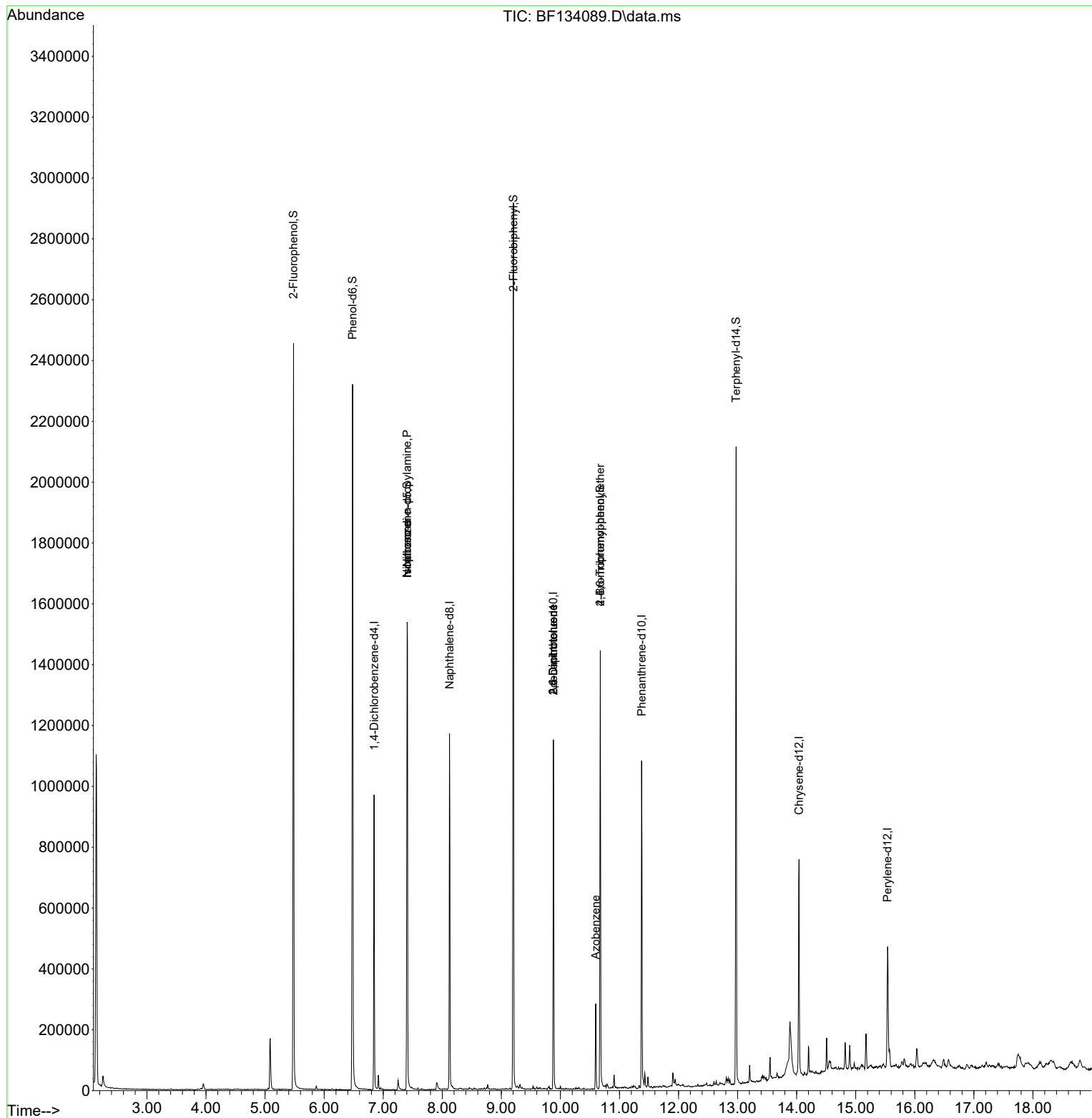
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	129213	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	485629	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	215941	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	391070	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	244247	20.000	ng	-0.01
86) Perylene-d12	15.539	264	197540	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	617154	79.896	ng	0.00
7) Phenol-d6	6.481	99	748876	78.832	ng	-0.01
23) Nitrobenzene-d5	7.404	82	498058	55.285	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	160867	59.416	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	866074	58.311	ng	0.00
79) Terphenyl-d14	12.975	244	695489	45.828	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.404	77	58	Below Cal	#	49
19) n-Nitroso-di-n-propyla...	7.404	70	71686	11.899	ng	# 77
25) Isophorone	7.404	82	498096	30.422	ng	# 64
51) 2,6-Dinitrotoluene	9.881	165	27480	8.139	ng	# 23
57) 2,4-Dinitrotoluene	9.881	165	27480	6.163	ng	# 22
63) Azobenzene	10.598	77	47332	3.064	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	10287	2.475	ng	# 1

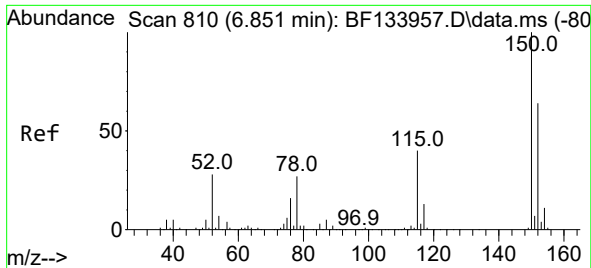
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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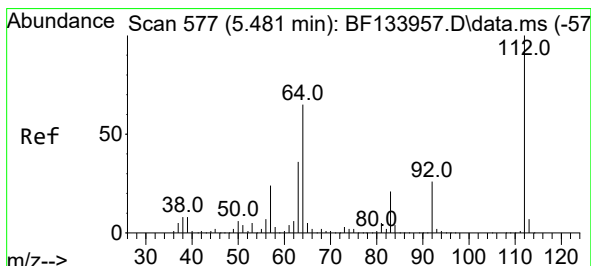
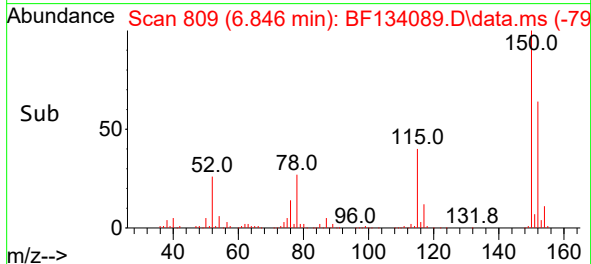
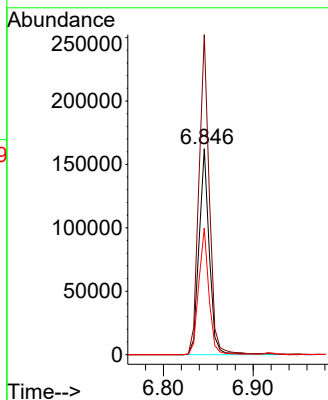
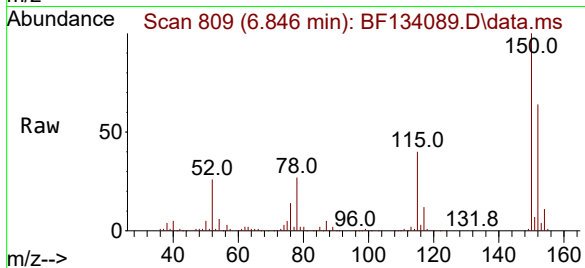




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 810
Delta R.T. -0.005 min
Lab File: BF134089.D
Acq: 06 Jul 2023 03:56

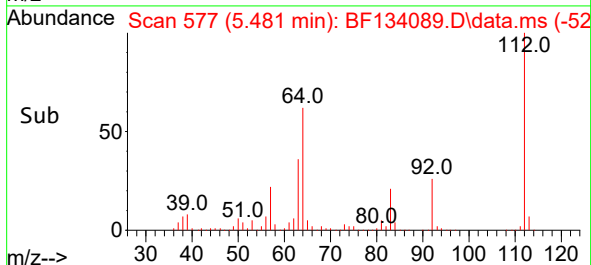
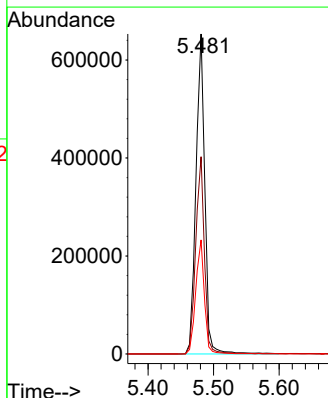
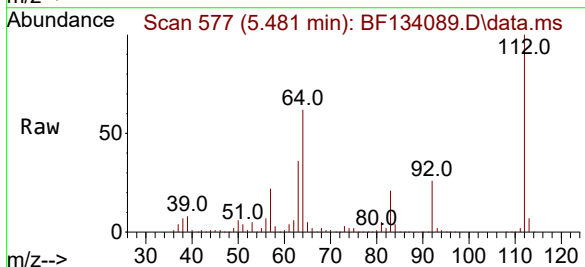
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-016

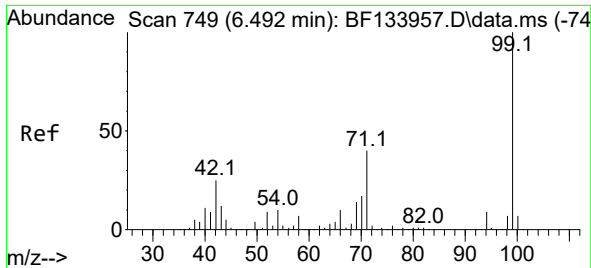
Tgt Ion:152 Resp: 129213
Ion Ratio Lower Upper
152 100
150 155.4 124.5 186.7
115 61.6 50.2 75.2



#5
2-Fluorophenol
Concen: 79.896 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF134089.D
Acq: 06 Jul 2023 03:56

Tgt Ion:112 Resp: 617154
Ion Ratio Lower Upper
112 100
64 61.7 52.1 78.1
63 35.7 28.6 42.8

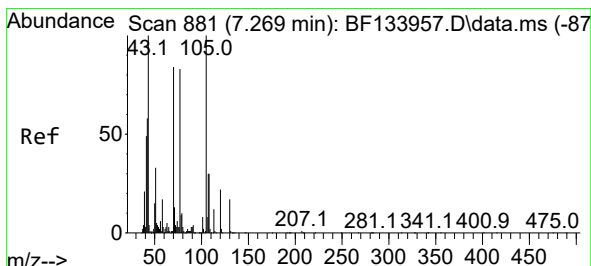
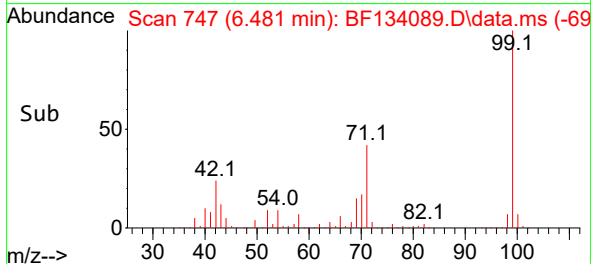
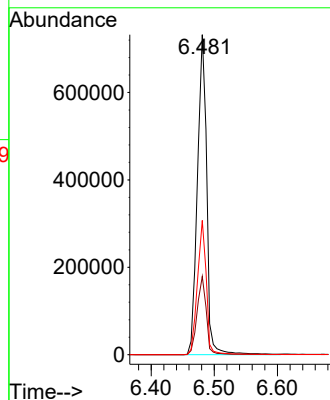
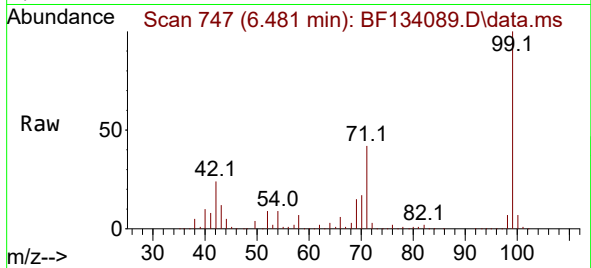




#7
Phenol-d6
Concen: 78.832 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134089.D
Acq: 06 Jul 2023 03:56

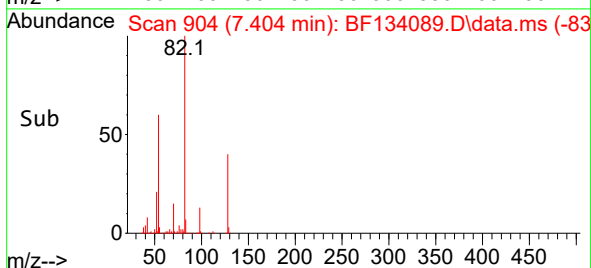
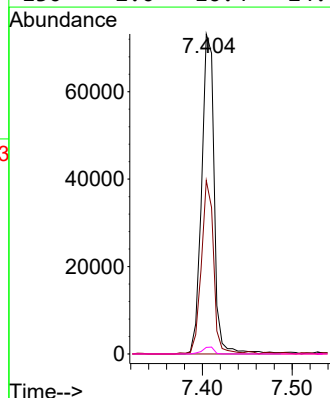
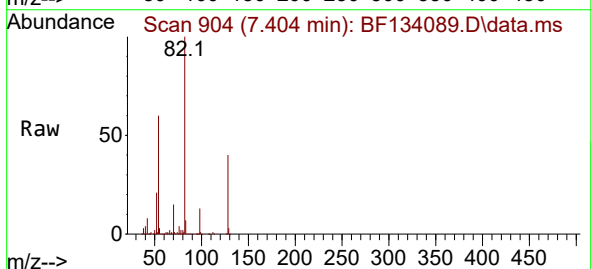
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-016

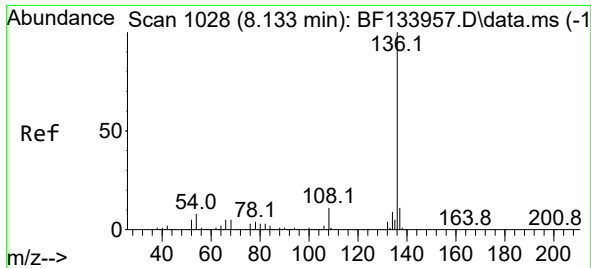
Tgt Ion: 99 Resp: 748876
Ion Ratio Lower Upper
99 100
42 24.5 19.8 29.6
71 42.0 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.899 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF134089.D
Acq: 06 Jul 2023 03:56

Tgt Ion: 70 Resp: 71686
Ion Ratio Lower Upper
70 100
42 54.2 54.7 82.1#
101 0.0 7.7 11.5#
130 2.0 16.4 24.6#

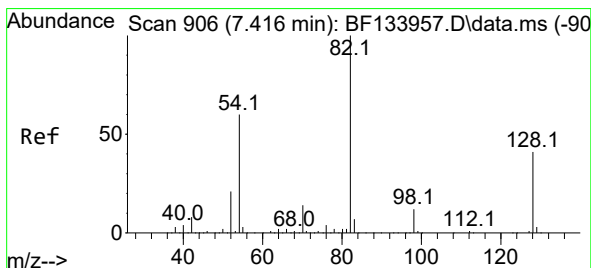
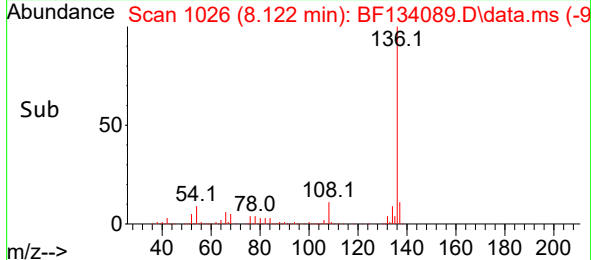
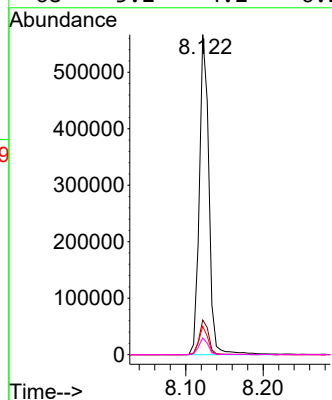
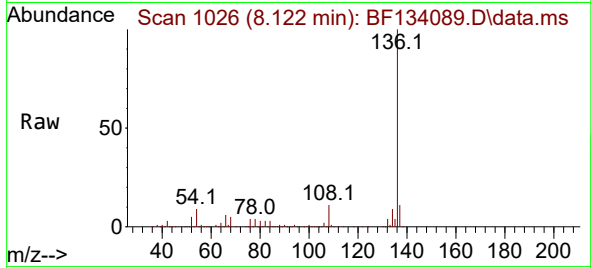




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134089.D
Acq: 06 Jul 2023 03:56

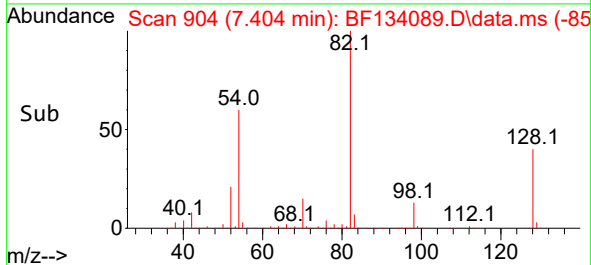
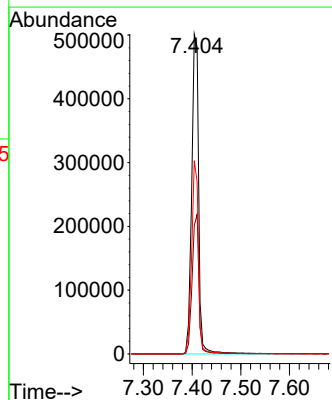
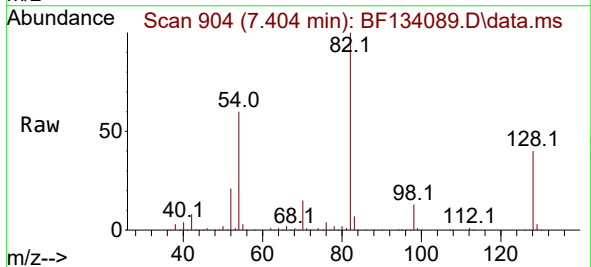
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-016

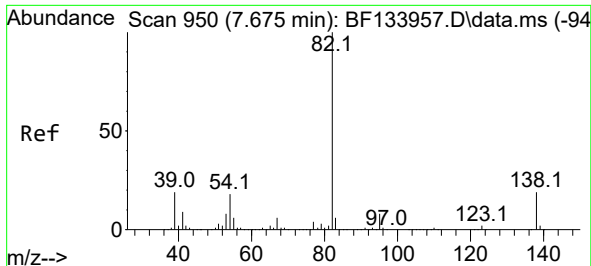
Tgt Ion:136 Resp: 485629
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 8.8 6.5 9.7
68 5.2 4.2 6.2



#23
Nitrobenzene-d5
Concen: 55.285 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF134089.D
Acq: 06 Jul 2023 03:56

Tgt Ion: 82 Resp: 498058
Ion Ratio Lower Upper
82 100
128 40.2 32.5 48.7
54 60.4 48.2 72.2

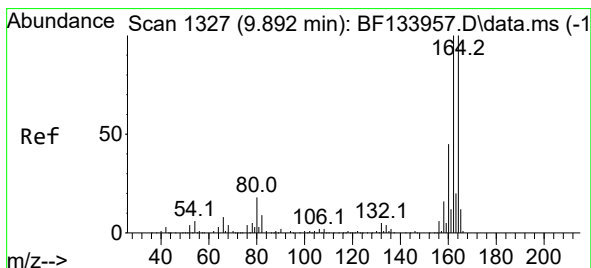
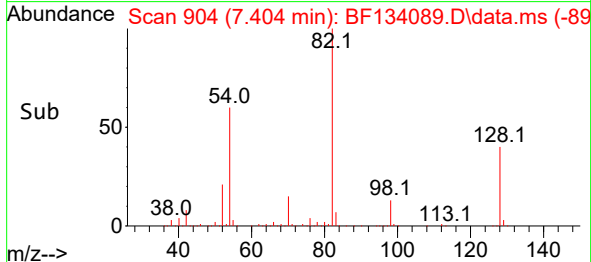
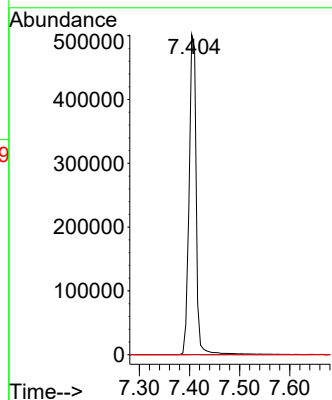
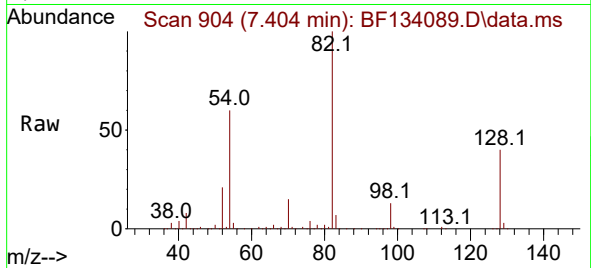




#25
Isophorone
Concen: 30.422 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF134089.D
Acq: 06 Jul 2023 03:56

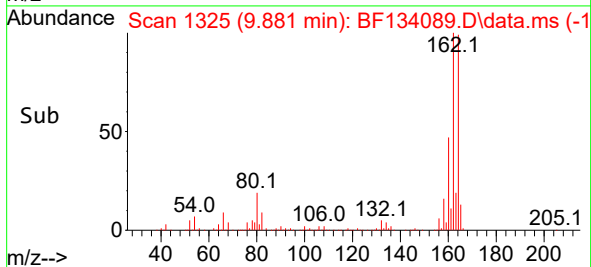
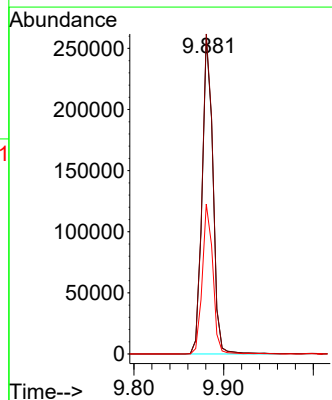
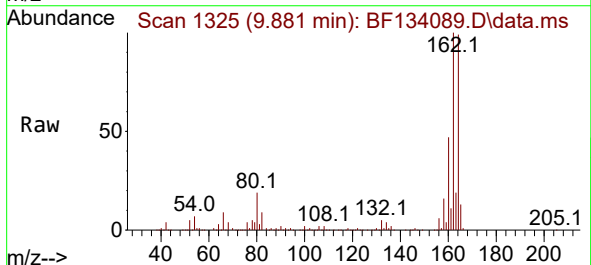
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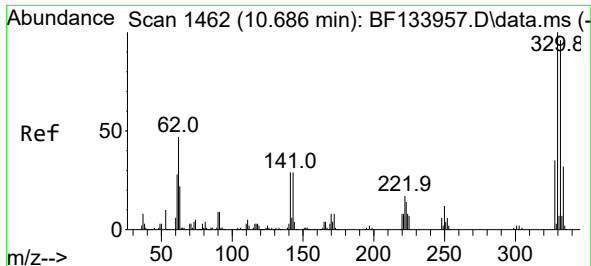
Tgt Ion: 82 Resp: 498096
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134089.D
Acq: 06 Jul 2023 03:56

Tgt Ion:164 Resp: 215941
Ion Ratio Lower Upper
164 100
162 101.3 80.0 120.0
160 47.4 35.9 53.9

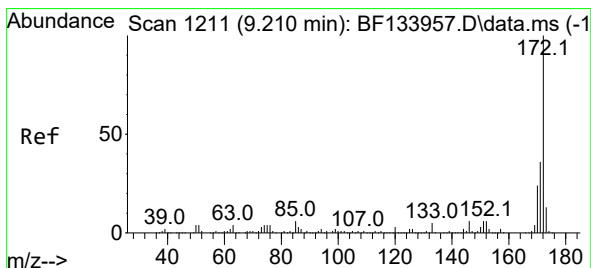
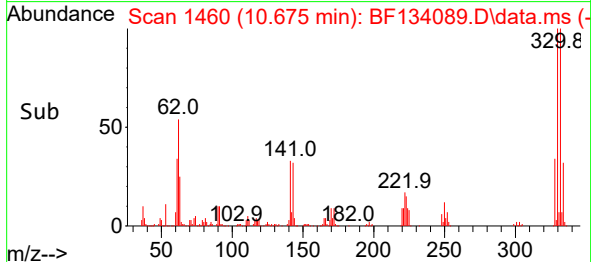
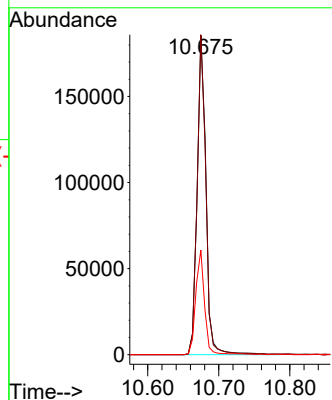
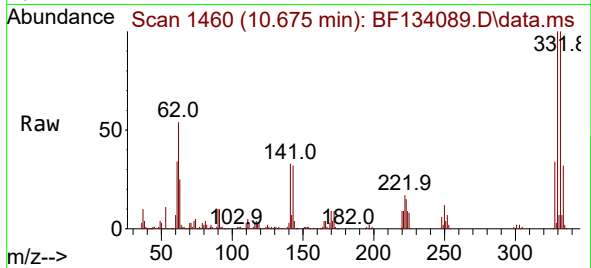




#42
2,4,6-Tribromophenol
Concen: 59.416 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134089.D
Acq: 06 Jul 2023 03:56

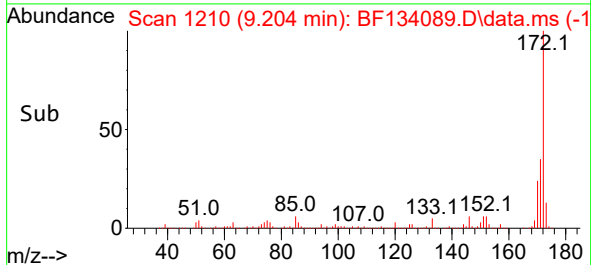
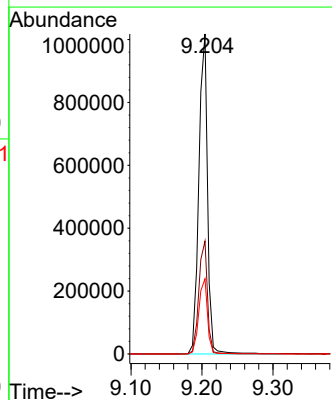
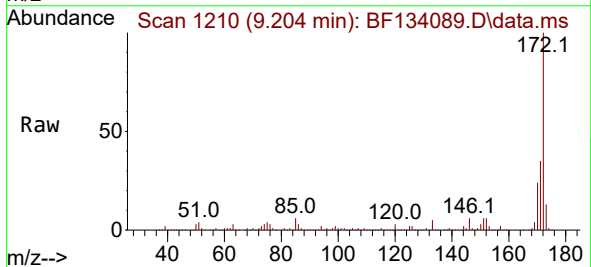
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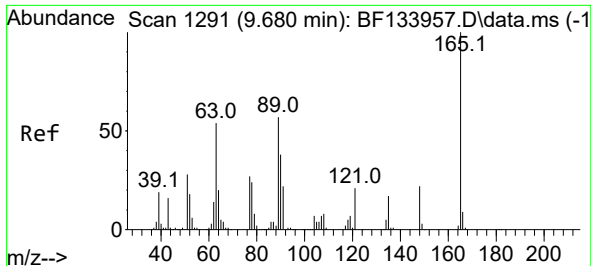
Tgt Ion:330 Resp: 160867
Ion Ratio Lower Upper
330 100
332 98.7 77.0 115.6
141 32.9 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 58.311 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134089.D
Acq: 06 Jul 2023 03:56

Tgt Ion:172 Resp: 866074
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.5 19.4 29.0

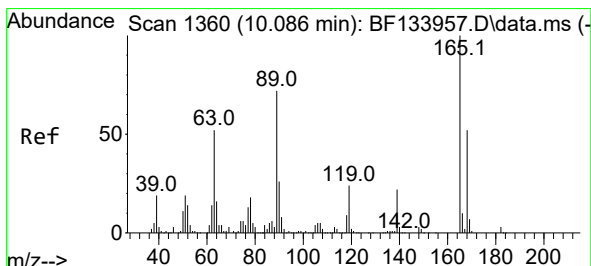
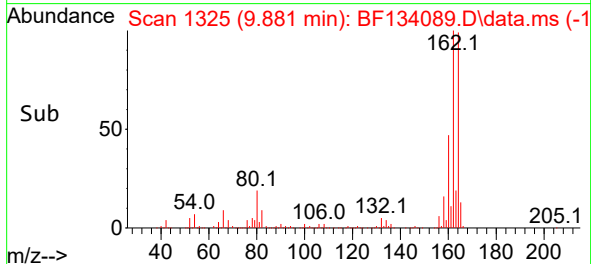
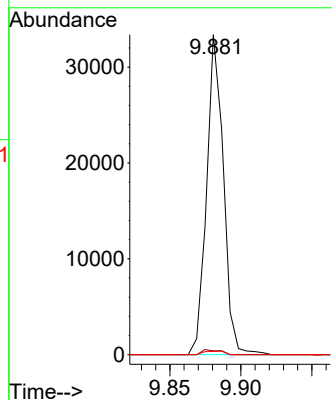
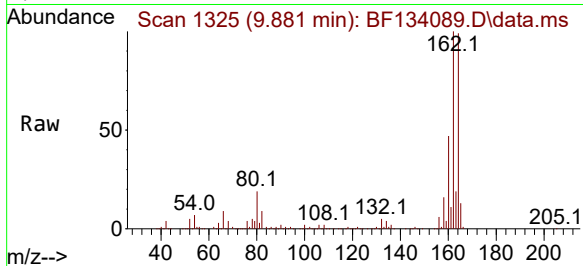




#51
2,6-Dinitrotoluene
Concen: 8.139 ng
RT: 9.881 min Scan# 1325
Delta R.T. 0.200 min
Lab File: BF134089.D
Acq: 06 Jul 2023 03:56

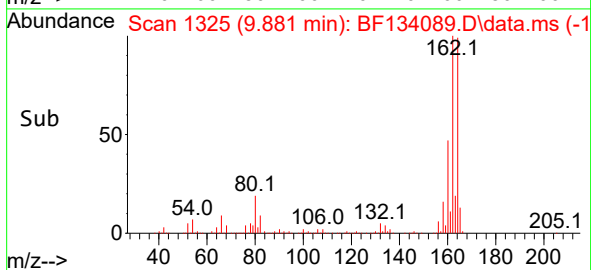
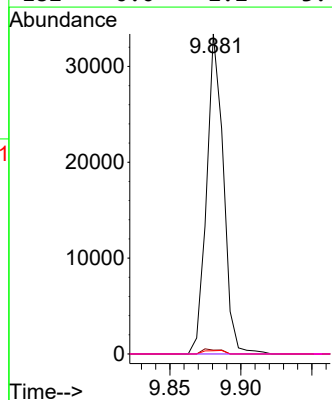
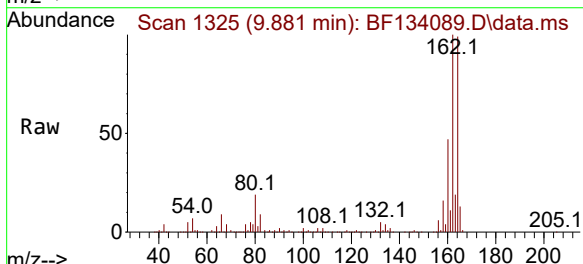
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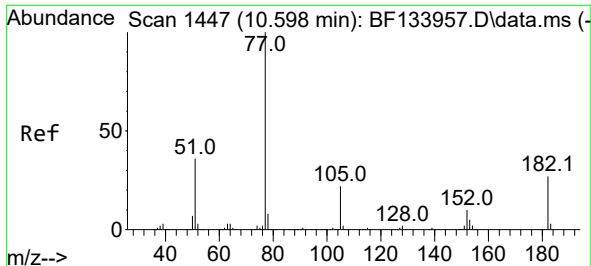
Tgt Ion:165 Resp: 27480
Ion Ratio Lower Upper
165 100
63 1.2 48.5 72.7#
89 1.0 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.163 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134089.D
Acq: 06 Jul 2023 03:56

Tgt Ion:165 Resp: 27480
Ion Ratio Lower Upper
165 100
63 1.2 42.2 63.2#
89 1.0 57.4 86.2#
182 0.0 2.2 3.4#

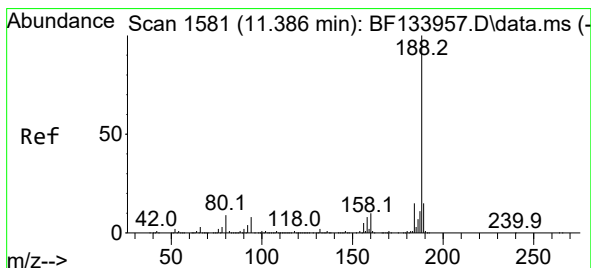
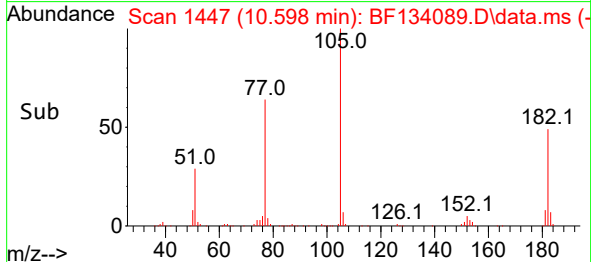
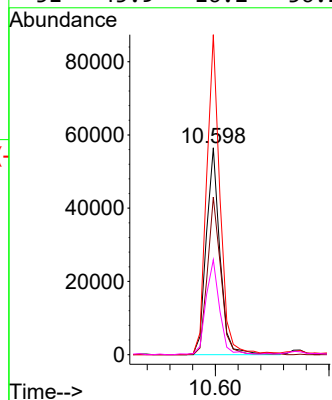
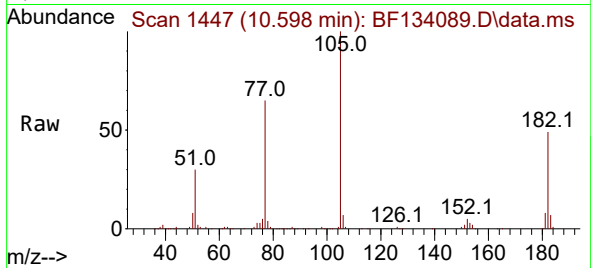




#63
 Azobenzene
 Concen: 3.064 ng
 RT: 10.598 min Scan# 1447
 Delta R.T. 0.000 min
 Lab File: BF134089.D
 Acq: 06 Jul 2023 03:56

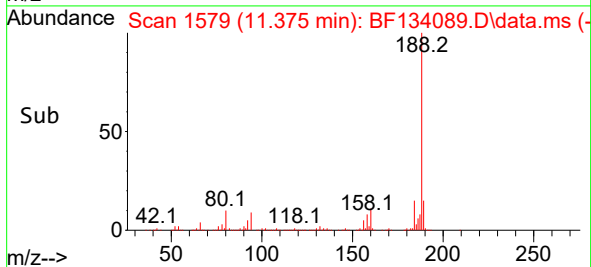
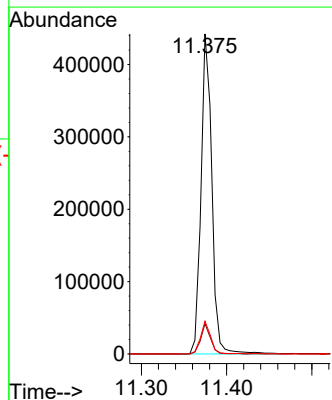
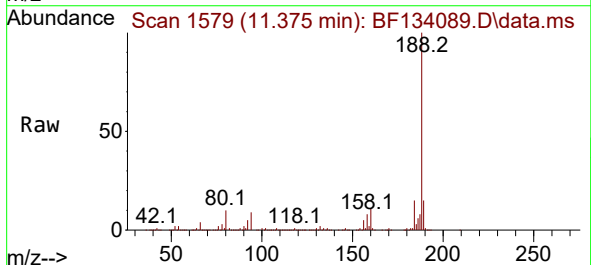
Instrument :
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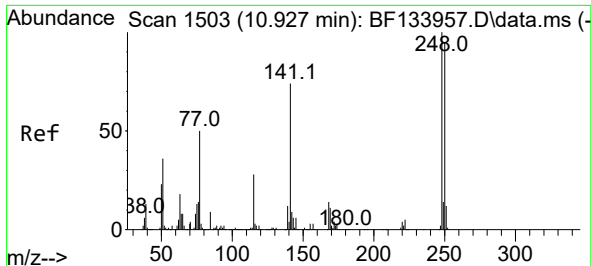
Tgt Ion: 77 Resp: 47332
 Ion Ratio Lower Upper
 77 100
 182 76.2 6.8 46.8#
 105 154.7 2.3 42.3#
 51 45.9 16.2 56.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.375 min Scan# 1579
 Delta R.T. -0.012 min
 Lab File: BF134089.D
 Acq: 06 Jul 2023 03:56

Tgt Ion: 188 Resp: 391070
 Ion Ratio Lower Upper
 188 100
 94 9.5 6.4 9.6
 80 10.2 7.3 10.9

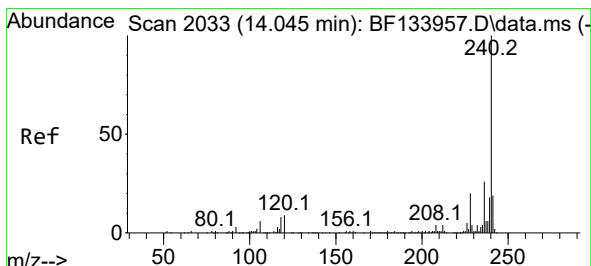
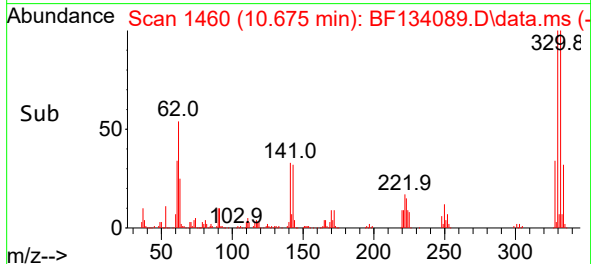
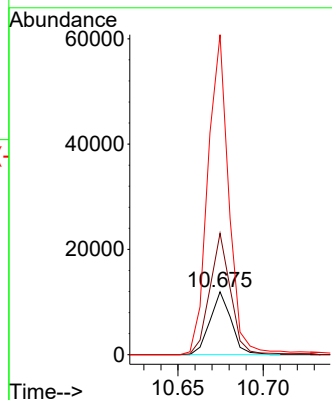
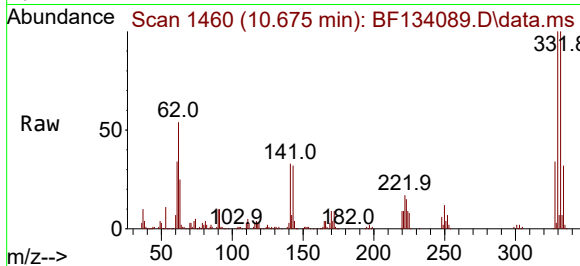




#67
4-Bromophenyl-phenylether
Concen: 2.475 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.253 min
Lab File: BF134089.D
Acq: 06 Jul 2023 03:56

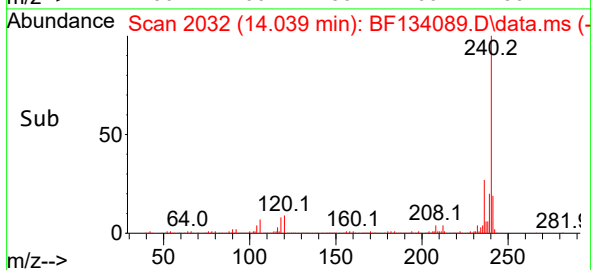
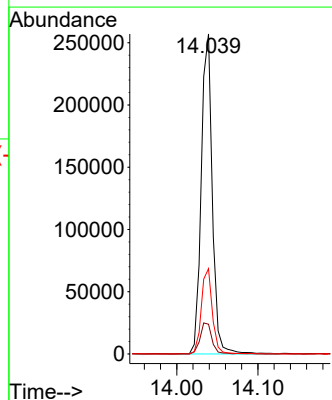
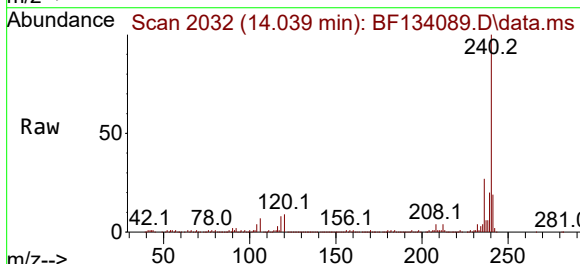
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-016

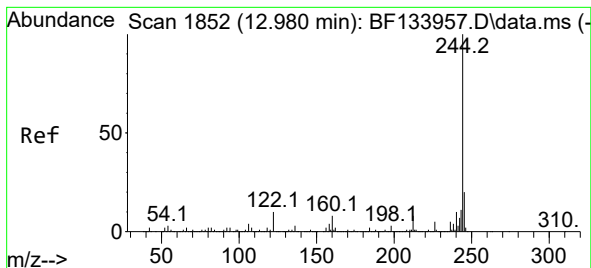
Tgt Ion:248 Resp: 10287
Ion Ratio Lower Upper
248 100
250 192.9 76.2 114.4#
141 508.5 59.0 88.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134089.D
Acq: 06 Jul 2023 03:56

Tgt Ion:240 Resp: 244247
Ion Ratio Lower Upper
240 100
120 9.3 7.4 11.0
236 26.6 21.0 31.6





#79

Terphenyl-d14

Concen: 45.828 ng

RT: 12.975 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134089.D

Acq: 06 Jul 2023 03:56

Instrument :

BNA_F

ClientSampleId :

CMC-EME-TOPSOIL-016

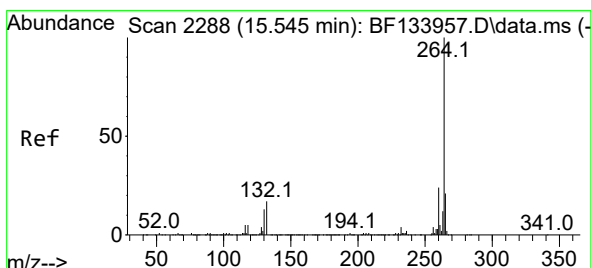
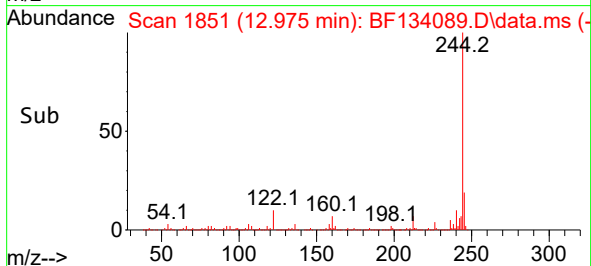
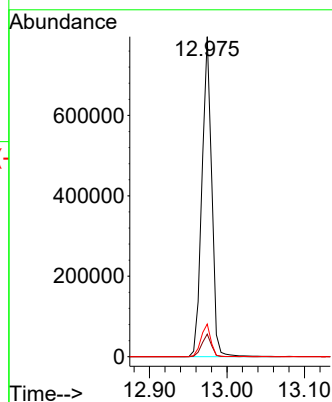
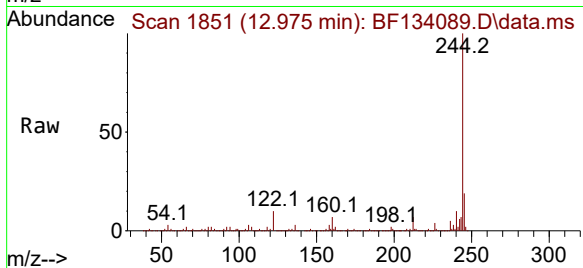
Tgt Ion:244 Resp: 695489

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 10.2 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: BF134089.D

Acq: 06 Jul 2023 03:56

Tgt Ion:264 Resp: 197540

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 21.5 16.6 25.0

