

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
 Data File : BF134081.D
 Acq On : 05 Jul 2023 23:21
 Operator : CG\JU
 Sample : 03473-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-007

Quant Time: Jul 06 00:23:28 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)

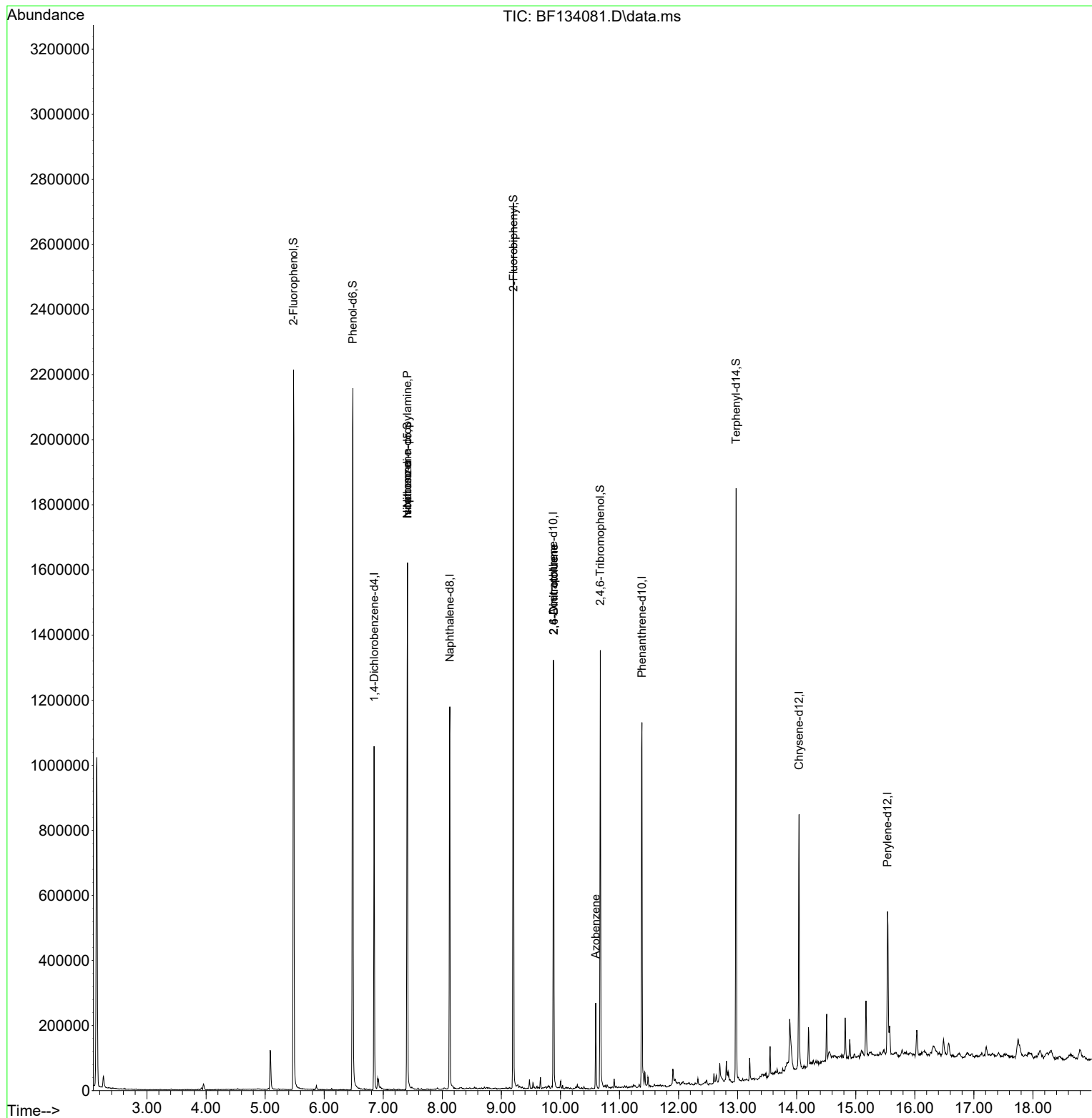
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	139039	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	519570	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	269501	20.000	ng	-0.01
64) Phenanthrene-d10	11.380	188	433945	20.000	ng	0.00
76) Chrysene-d12	14.039	240	256664	20.000	ng	-0.01
86) Perylene-d12	15.539	264	219712	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	597669	71.905	ng	0.00
7) Phenol-d6	6.487	99	703014	68.775	ng	0.00
23) Nitrobenzene-d5	7.410	82	468881	48.646	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	147896	43.769	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	795288	42.904	ng	0.00
79) Terphenyl-d14	12.974	244	584778	36.669	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.410	77	138	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.410	70	66377	10.239	ng	# 75
25) Isophorone	7.410	82	468954	26.771	ng	# 64
51) 2,6-Dinitrotoluene	9.886	165	35031	8.314	ng	# 23
57) 2,4-Dinitrotoluene	9.886	165	35031	6.295	ng	# 22
63) Azobenzene	10.598	77	40409	2.096	ng	# 1

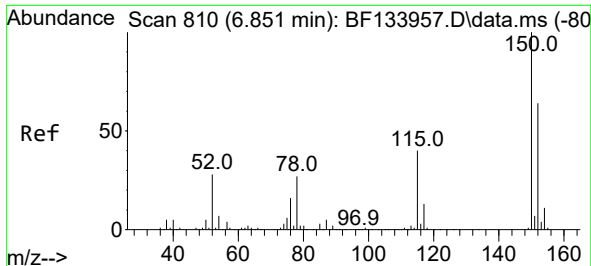
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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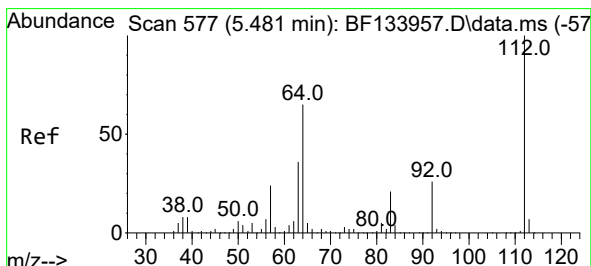
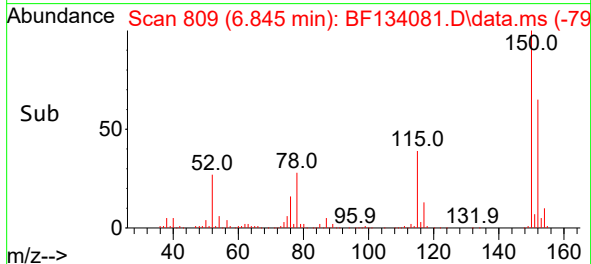
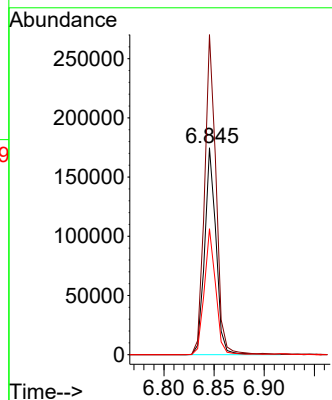
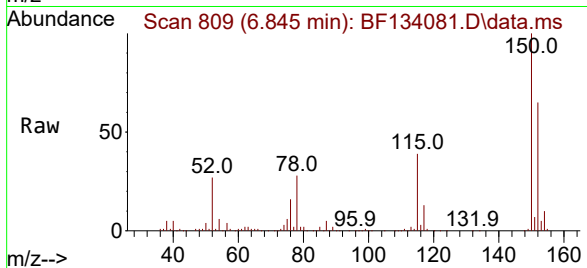




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134081.D
Acq: 05 Jul 2023 23:21

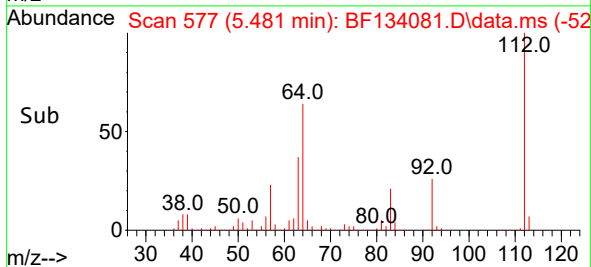
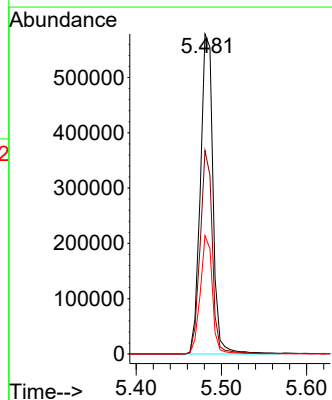
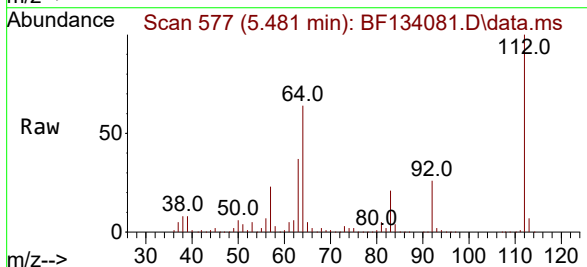
Instrument :
BNA_F
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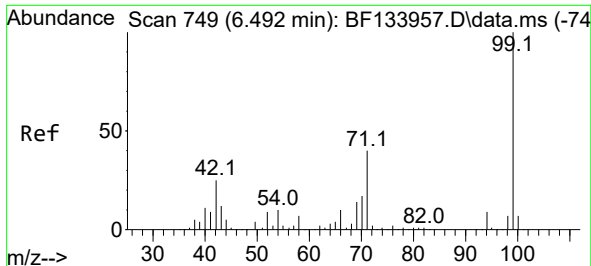
Tgt Ion:152 Resp: 139039
Ion Ratio Lower Upper
152 100
150 154.6 124.5 186.7
115 60.9 50.2 75.2



#5
2-Fluorophenol
Concen: 71.905 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF134081.D
Acq: 05 Jul 2023 23:21

Tgt Ion:112 Resp: 597669
Ion Ratio Lower Upper
112 100
64 63.6 52.1 78.1
63 36.9 28.6 42.8

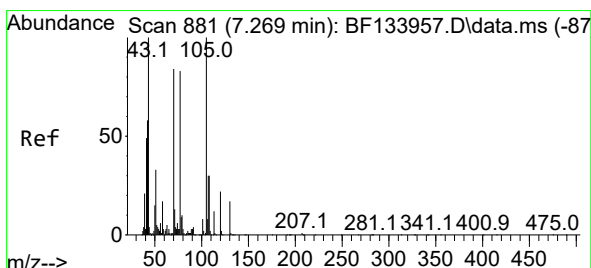
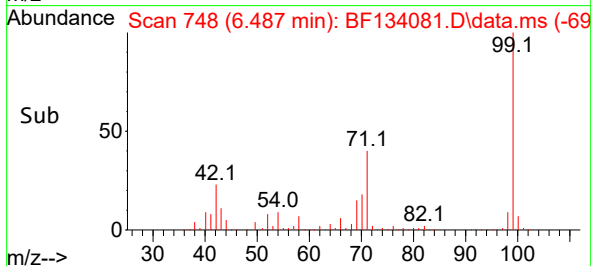
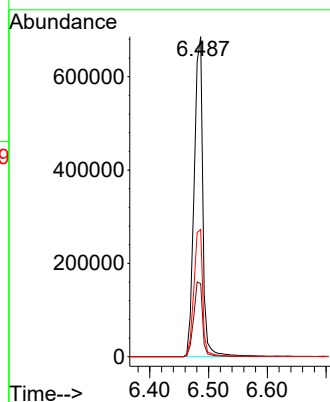
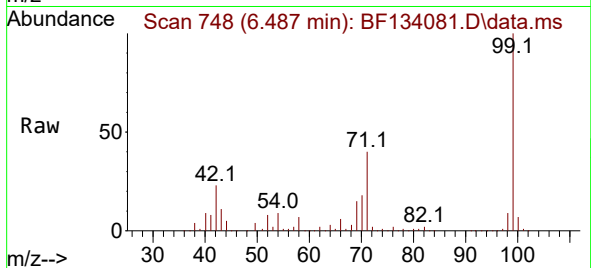




#7
Phenol-d6
Concen: 68.775 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134081.D
Acq: 05 Jul 2023 23:21

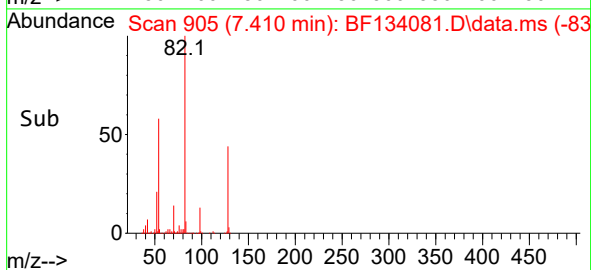
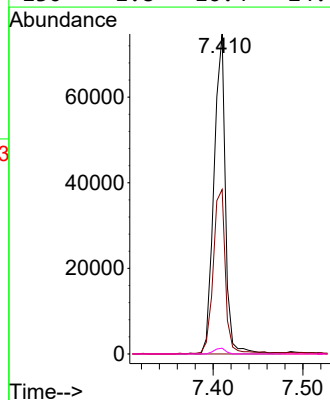
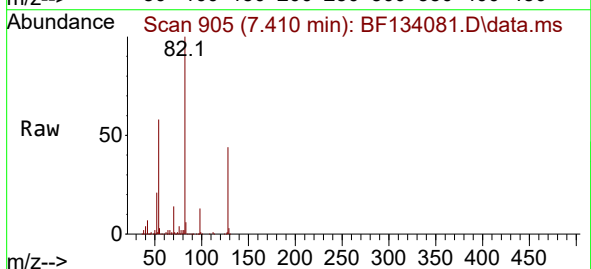
Instrument :
BNA_F
ClientSampleId :
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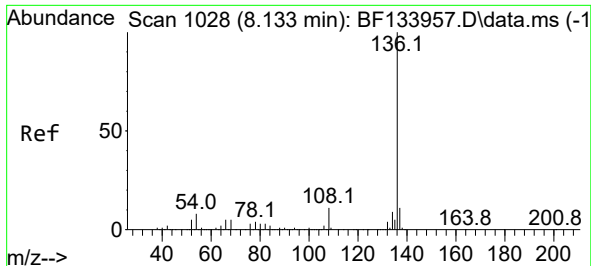
Tgt Ion: 99 Resp: 703014
Ion Ratio Lower Upper
99 100
42 22.8 19.8 29.6
71 39.8 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.239 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134081.D
Acq: 05 Jul 2023 23:21

Tgt Ion: 70 Resp: 66377
Ion Ratio Lower Upper
70 100
42 51.4 54.7 82.1#
101 0.0 7.7 11.5#
130 1.8 16.4 24.6#



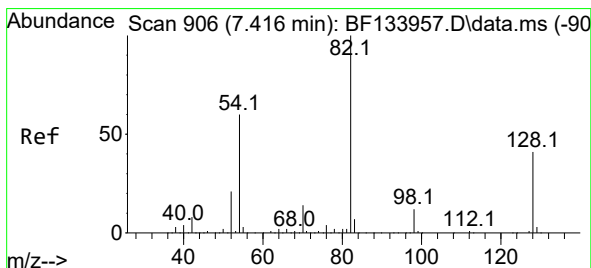
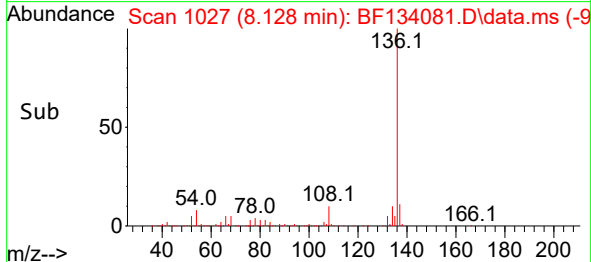
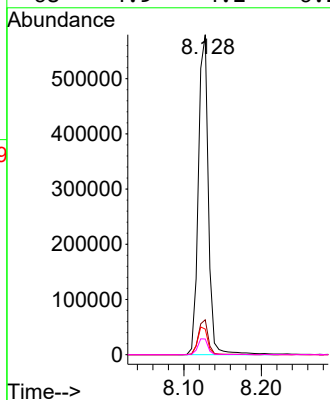
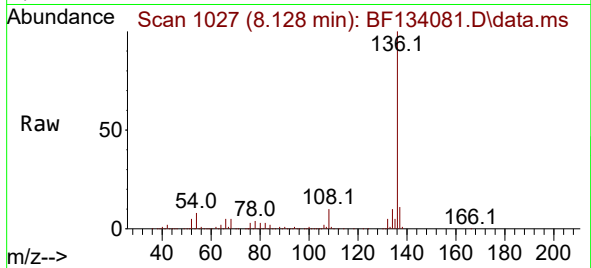


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134081.D
Acq: 05 Jul 2023 23:21

Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-007

Tgt Ion:136 Resp: 519570

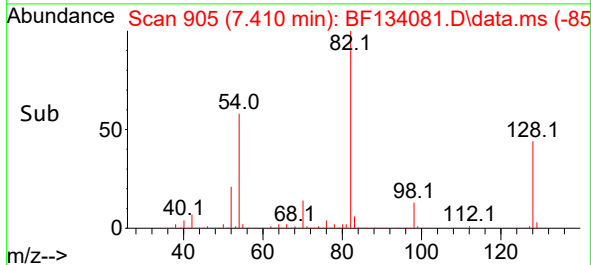
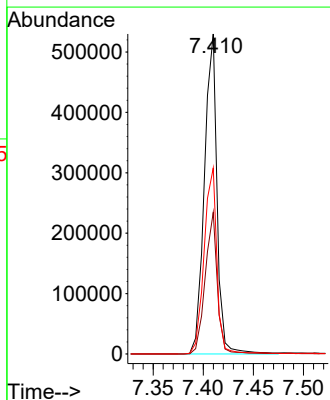
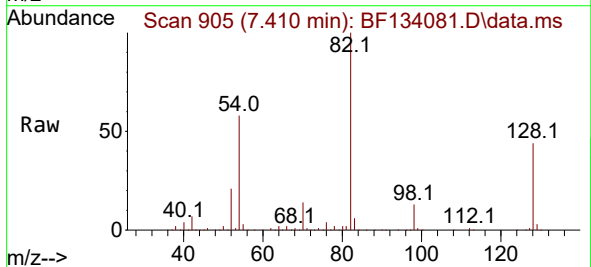
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	8.0	6.5	9.7
68	4.9	4.2	6.2

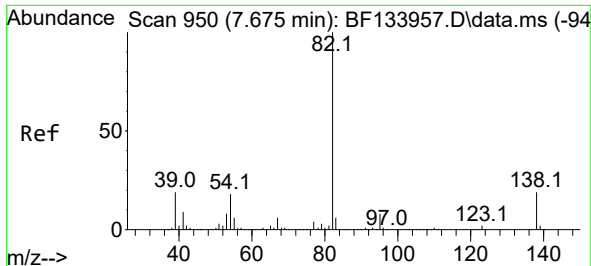


#23
Nitrobenzene-d5
Concen: 48.646 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF134081.D
Acq: 05 Jul 2023 23:21

Tgt Ion: 82 Resp: 468881

Ion	Ratio	Lower	Upper
82	100		
128	44.3	32.5	48.7
54	58.1	48.2	72.2

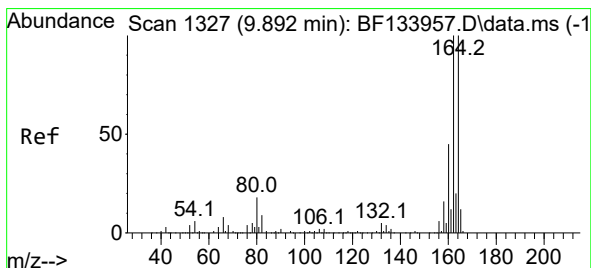
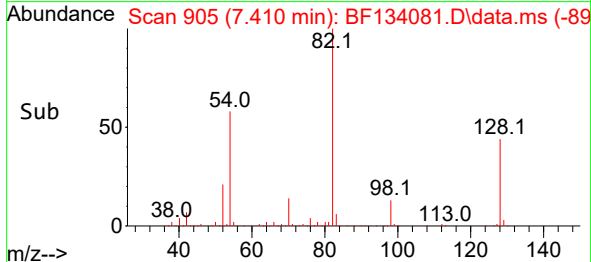
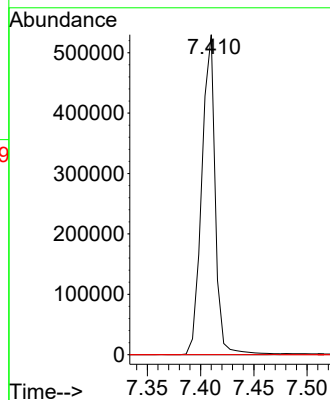
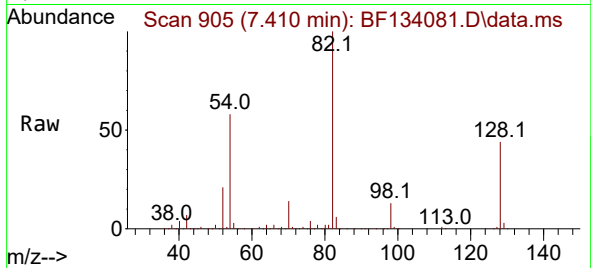




#25
Isophorone
Concen: 26.771 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134081.D
Acq: 05 Jul 2023 23:21

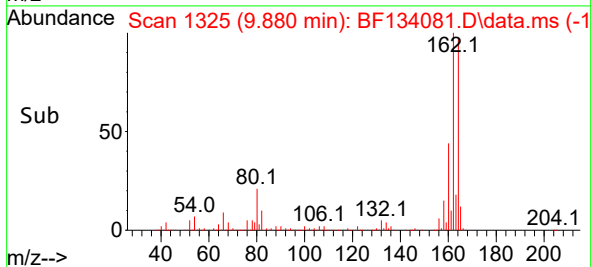
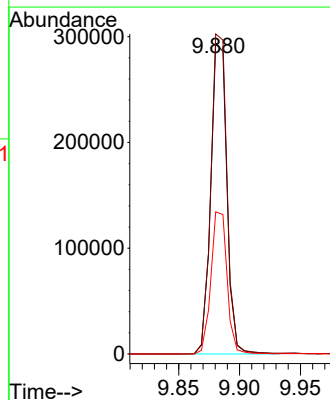
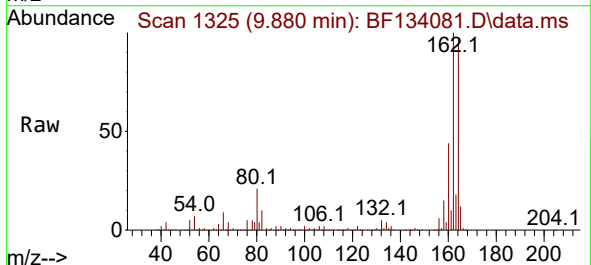
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-007

Tgt Ion: 82 Resp: 468954
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: BF134081.D
Acq: 05 Jul 2023 23:21

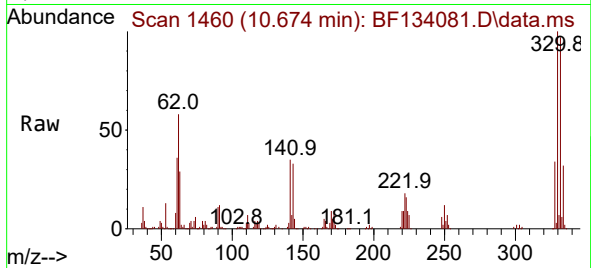
Tgt Ion:164 Resp: 269501
Ion Ratio Lower Upper
164 100
162 102.9 80.0 120.0
160 45.7 35.9 53.9



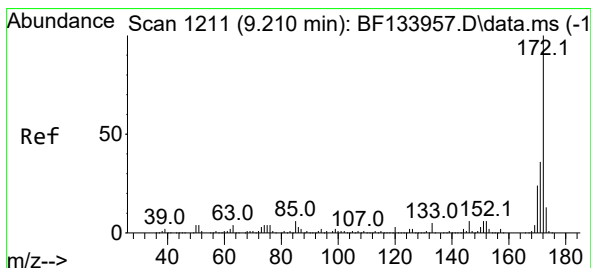
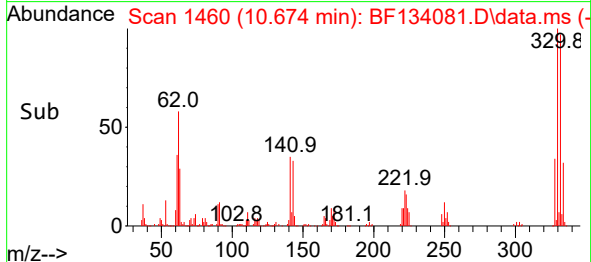
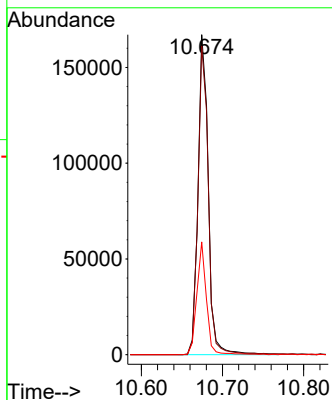


#42
2,4,6-Tribromophenol
Concen: 43.769 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134081.D
Acq: 05 Jul 2023 23:21

Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-007

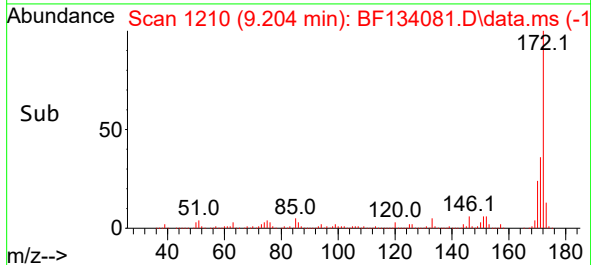
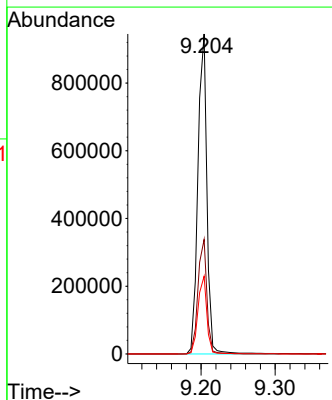
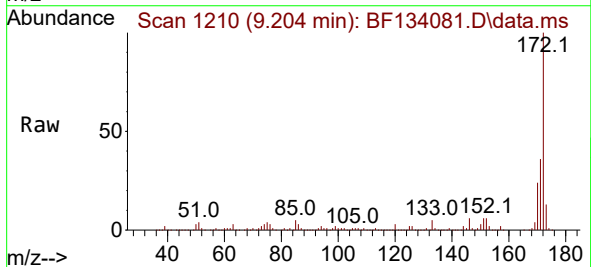


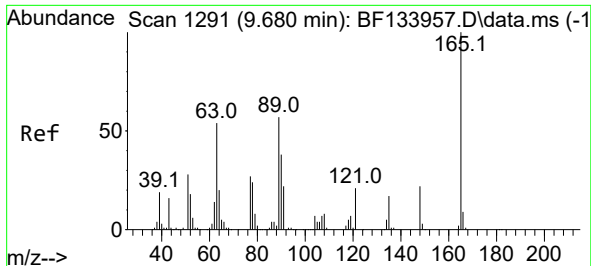
Tgt Ion:330 Resp: 147896
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.6
141 32.9 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 42.904 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134081.D
Acq: 05 Jul 2023 23:21

Tgt Ion:172 Resp: 795288
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 24.3 19.4 29.0

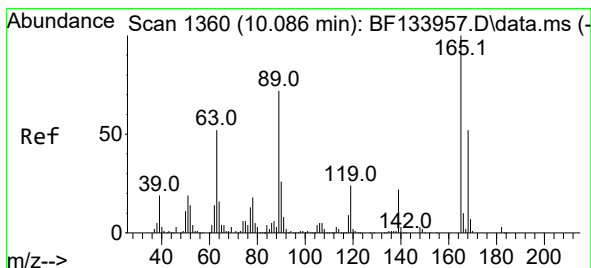
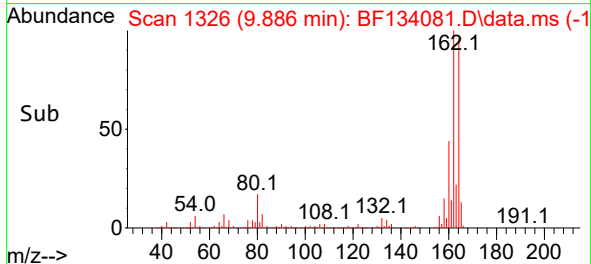
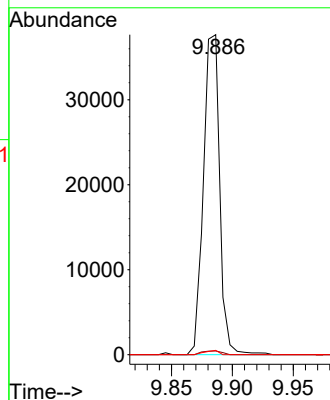
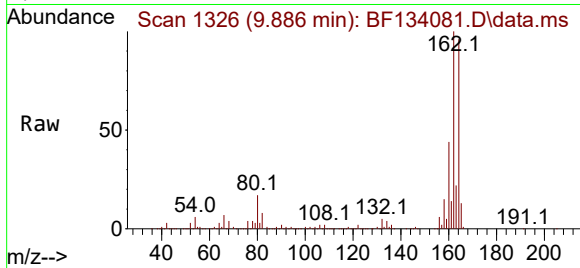




#51
2,6-Dinitrotoluene
Concen: 8.314 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.206 min
Lab File: BF134081.D
Acq: 05 Jul 2023 23:21

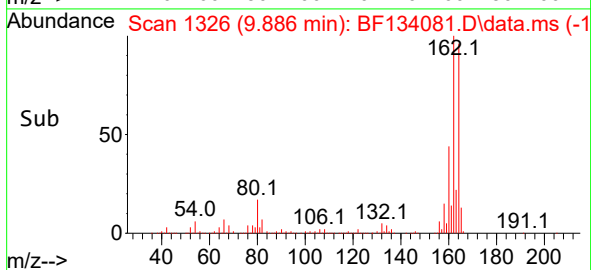
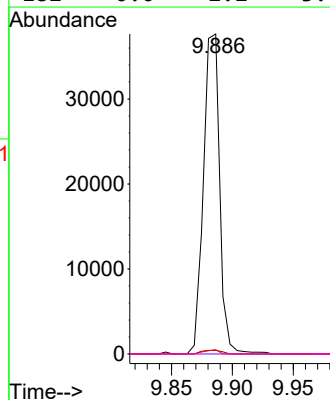
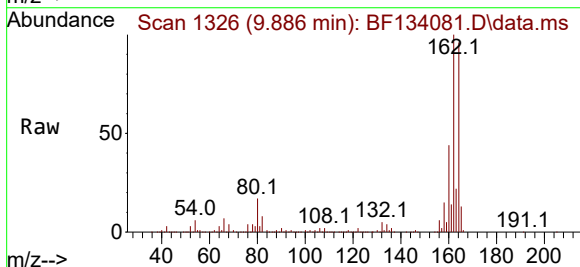
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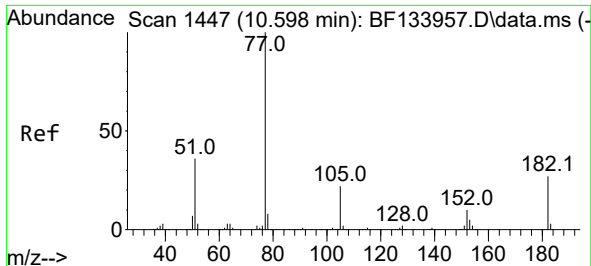
Tgt Ion:165 Resp: 35031
Ion Ratio Lower Upper
165 100
63 1.2 48.5 72.7#
89 1.4 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.295 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF134081.D
Acq: 05 Jul 2023 23:21

Tgt Ion:165 Resp: 35031
Ion Ratio Lower Upper
165 100
63 1.2 42.2 63.2#
89 1.4 57.4 86.2#
182 0.0 2.2 3.4#

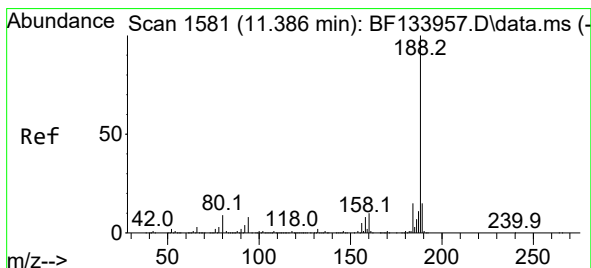
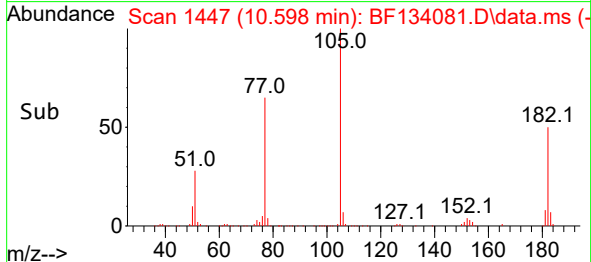
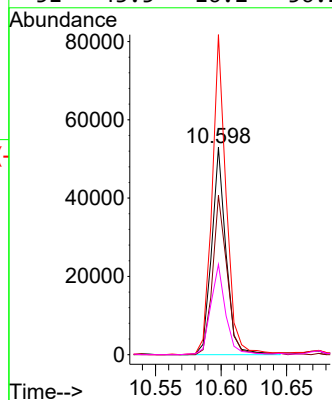
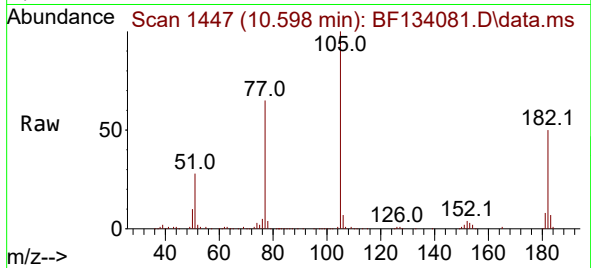




#63
Azobenzene
Concen: 2.096 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF134081.D
Acq: 05 Jul 2023 23:21

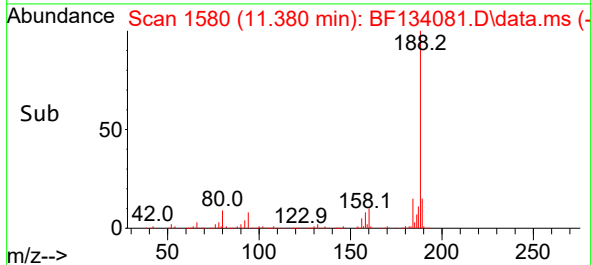
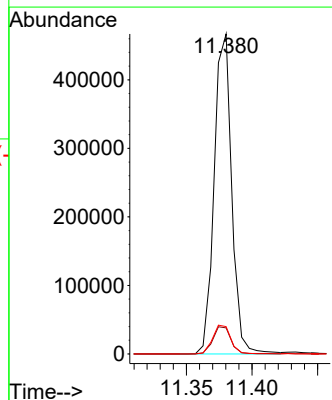
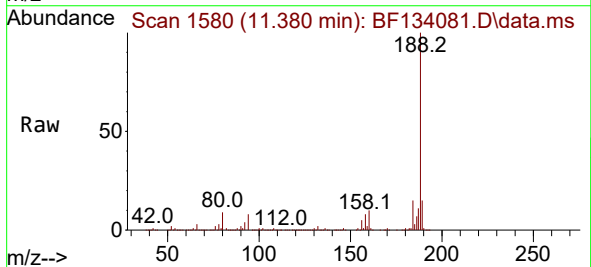
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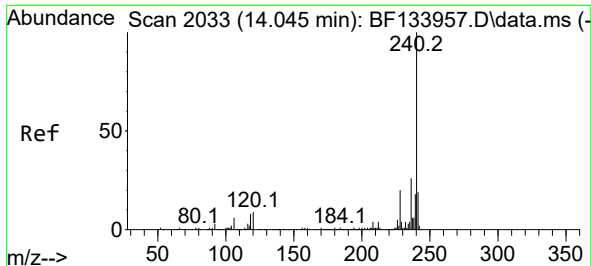
Tgt Ion: 77 Resp: 40409
Ion Ratio Lower Upper
77 100
182 76.8 6.8 46.8#
105 154.4 2.3 42.3#
51 43.5 16.2 56.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF134081.D
Acq: 05 Jul 2023 23:21

Tgt Ion:188 Resp: 433945
Ion Ratio Lower Upper
188 100
94 8.2 6.4 9.6
80 8.5 7.3 10.9

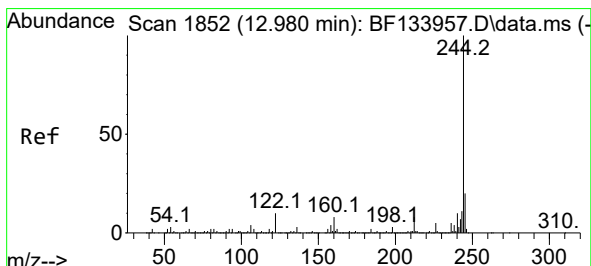
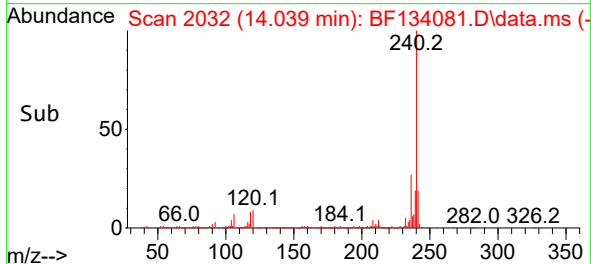
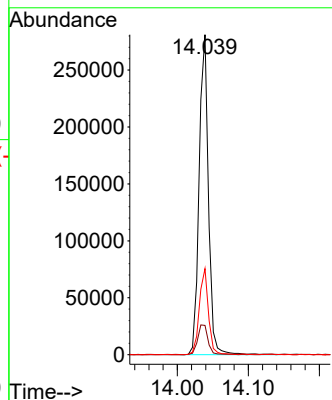
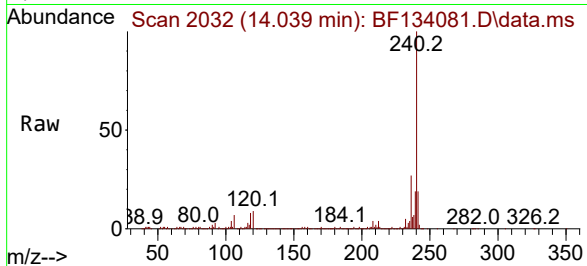




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134081.D
Acq: 05 Jul 2023 23:21

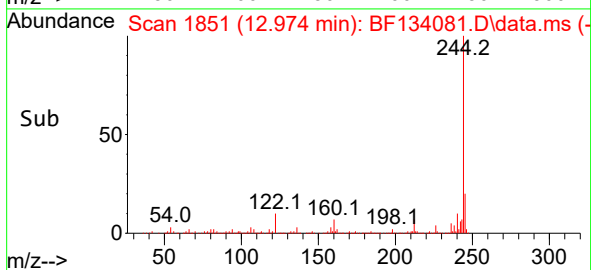
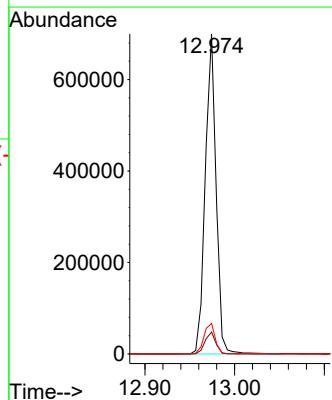
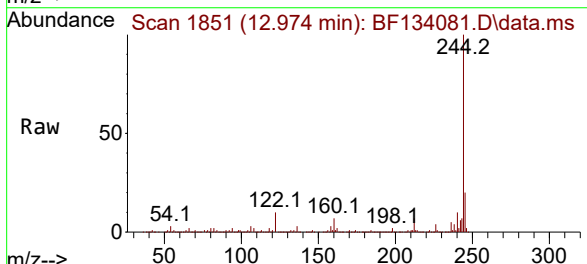
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-007

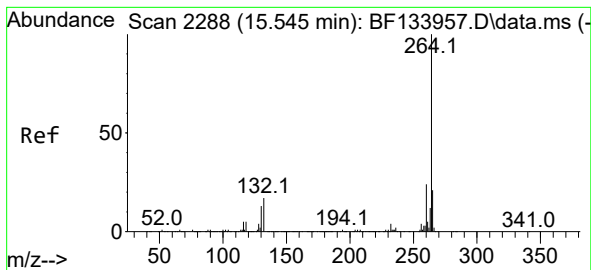
Tgt Ion:240 Resp: 256664
Ion Ratio Lower Upper
240 100
120 9.1 7.4 11.0
236 26.9 21.0 31.6



#79
Terphenyl-d14
Concen: 36.669 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF134081.D
Acq: 05 Jul 2023 23:21

Tgt Ion:244 Resp: 584778
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.6 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134081.D

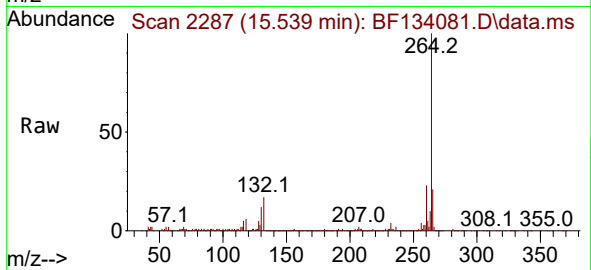
Acq: 05 Jul 2023 23:21

Instrument :

BNA_F

ClientSampleId :

CMC-EME-TOPSOIL-007



Tgt Ion:264 Resp: 219712

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

265 20.9 16.6 25.0

