

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
 Data File : BF134084.D
 Acq On : 06 Jul 2023 01:05
 Operator : CG\JU
 Sample : 03473-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-011

Quant Time: Jul 06 01:37:44 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	131654	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	502441	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	222542	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	355594	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	253554	20.000	ng	-0.01
86) Perylene-d12	15.539	264	210604	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	626534	79.606	ng	0.00
7) Phenol-d6	6.487	99	753131	77.810	ng	0.00
23) Nitrobenzene-d5	7.410	82	499061	53.543	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	147907	53.009	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	826240	53.979	ng	0.00
79) Terphenyl-d14	12.974	244	645794	40.991	ng	-0.01

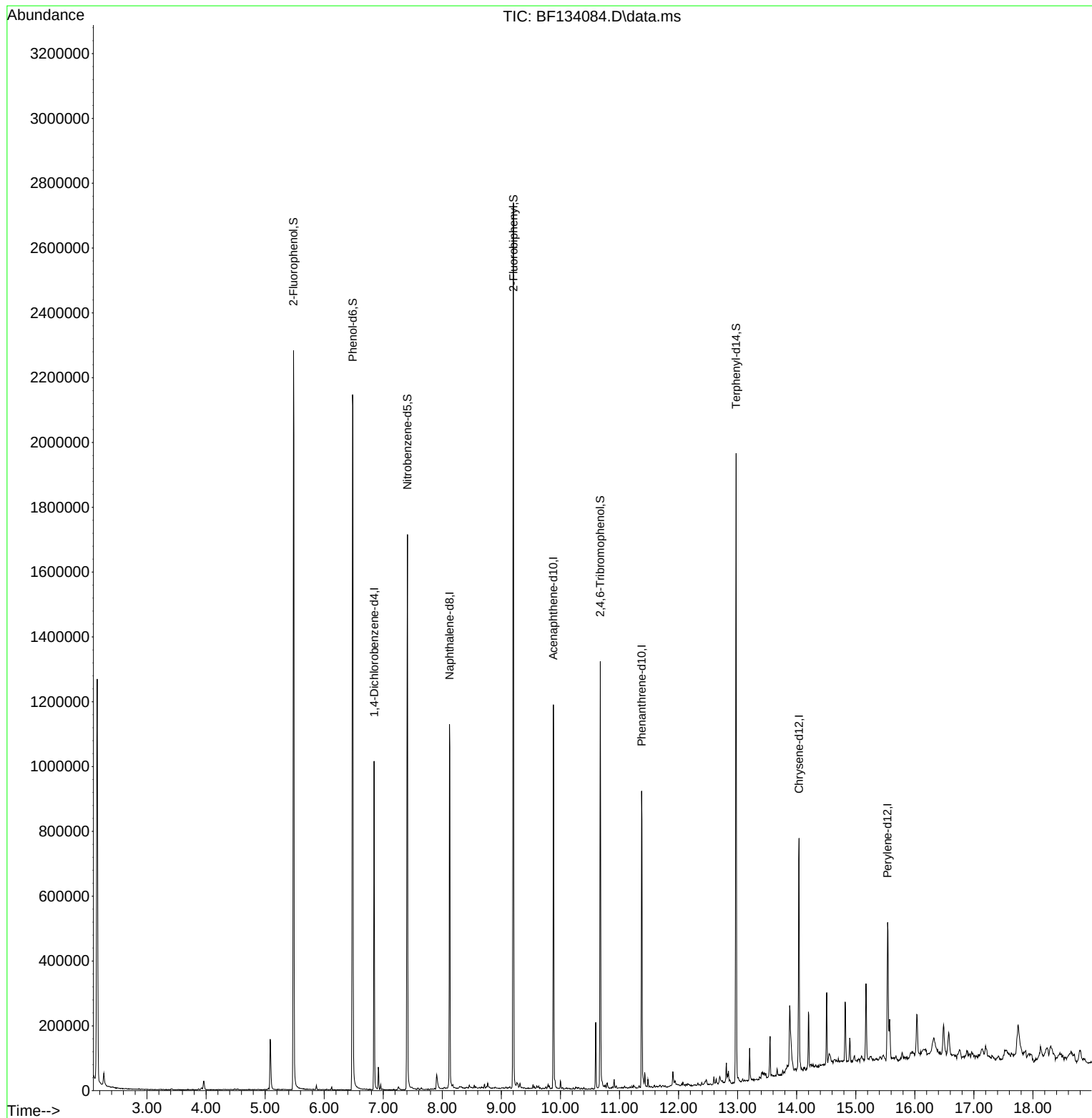
Target Compounds	Qvalue

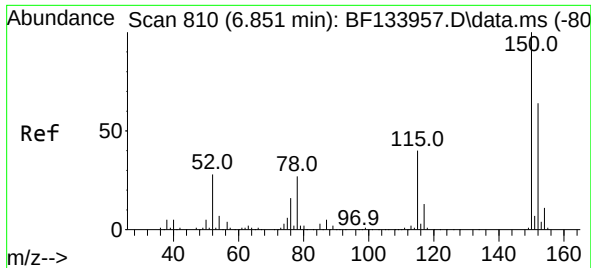
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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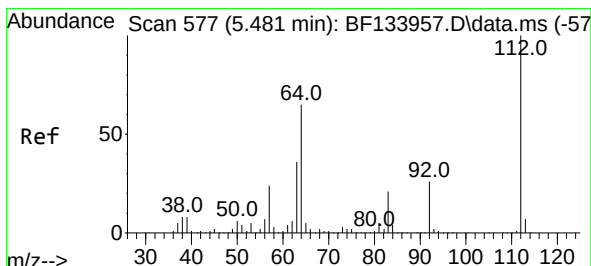
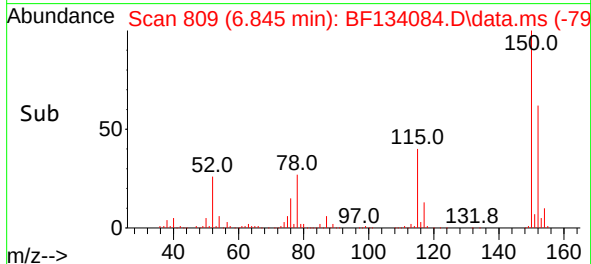
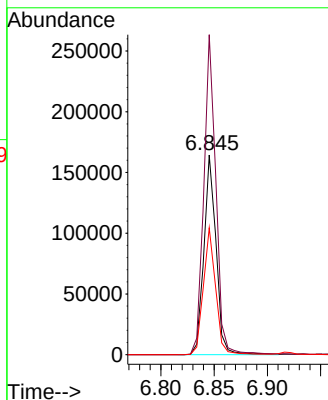
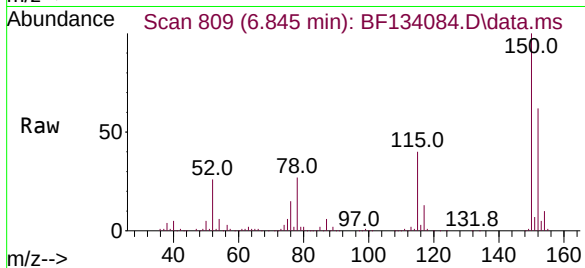




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

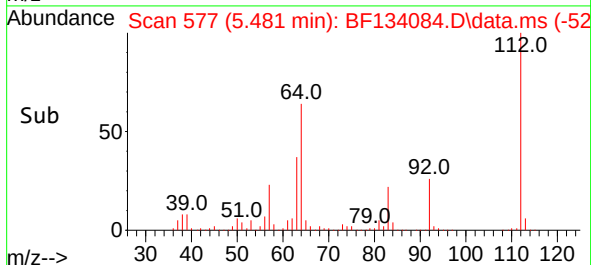
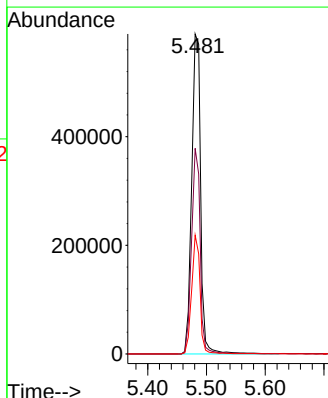
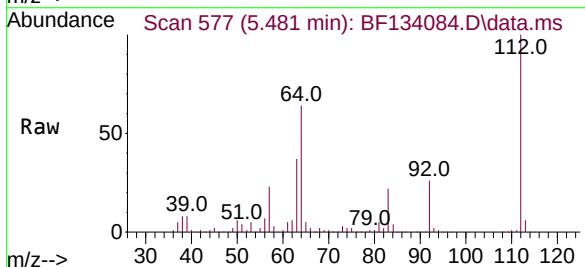
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-011

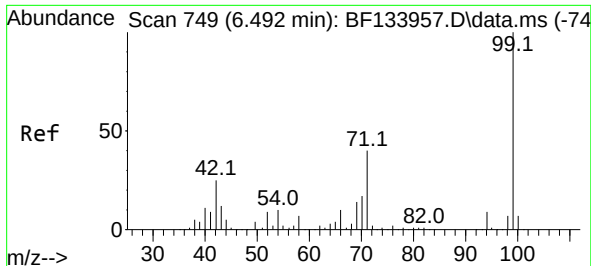
Tgt Ion:152 Resp: 131654
Ion Ratio Lower Upper
152 100
150 160.2 124.5 186.7
115 63.5 50.2 75.2



#5
2-Fluorophenol
Concen: 79.606 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

Tgt Ion:112 Resp: 626534
Ion Ratio Lower Upper
112 100
64 64.3 52.1 78.1
63 37.1 28.6 42.8





#7

Phenol-d6

Concen: 77.810 ng

RT: 6.487 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF134084.D

Acq: 06 Jul 2023 01:05

Instrument :

BNA_F

ClientSampleId :

CMC-EME-TOPSOIL-011

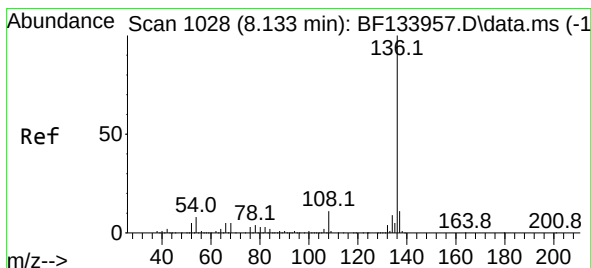
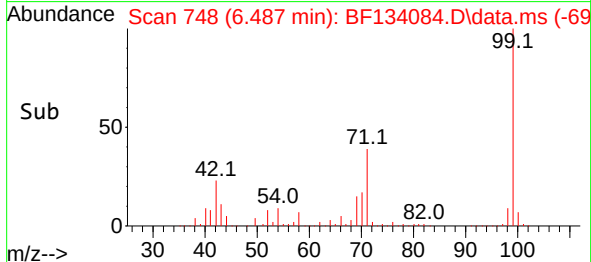
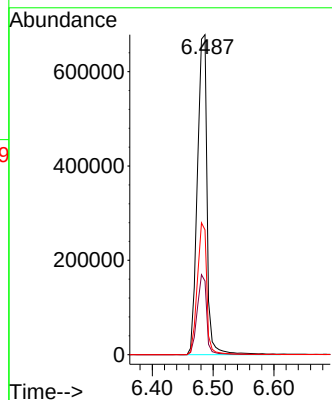
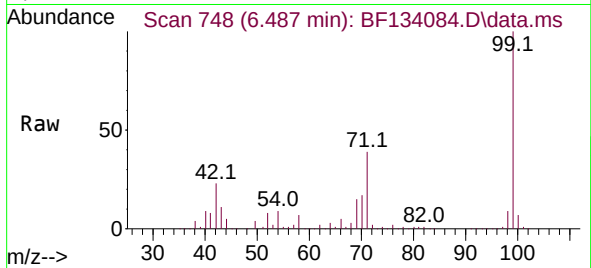
Tgt Ion: 99 Resp: 753131

Ion Ratio Lower Upper

99 100

42 23.0 19.8 29.6

71 39.0 31.9 47.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.012 min

Lab File: BF134084.D

Acq: 06 Jul 2023 01:05

Tgt Ion: 136 Resp: 502441

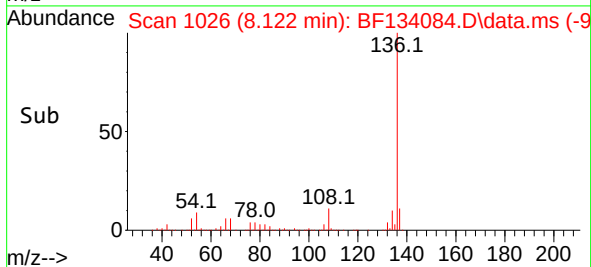
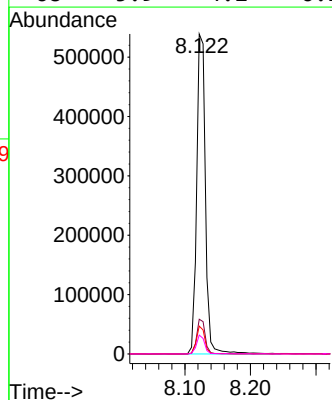
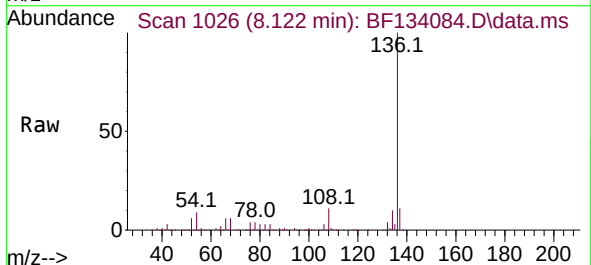
Ion Ratio Lower Upper

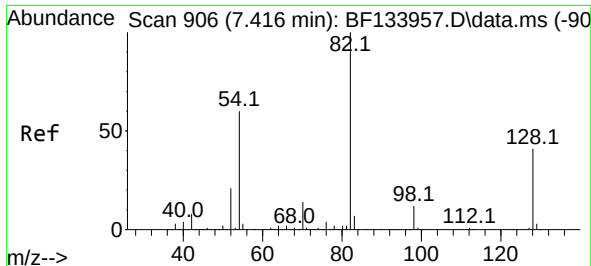
136 100

137 10.9 8.6 12.8

54 8.7 6.5 9.7

68 5.9 4.2 6.2

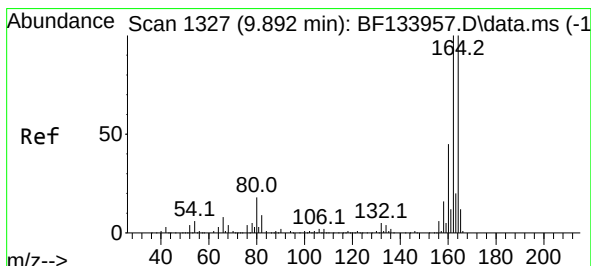
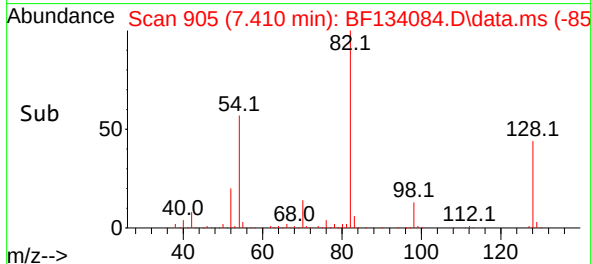
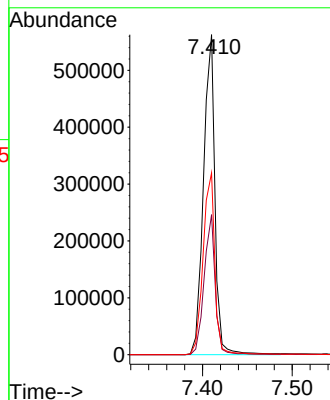
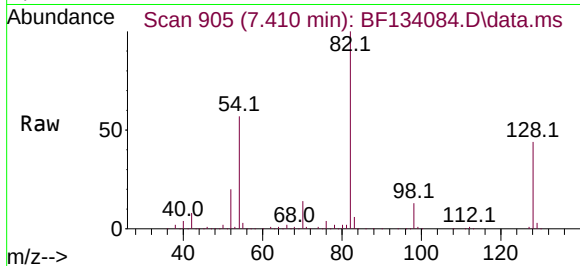




#23
 Nitrobenzene-d5
 Concen: 53.543 ng
 RT: 7.410 min Scan# 906
 Delta R.T. -0.012 min
 Lab File: BF134084.D
 Acq: 06 Jul 2023 01:05

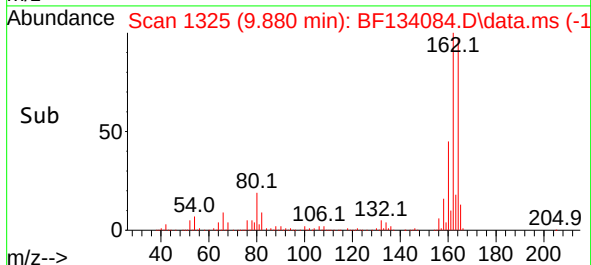
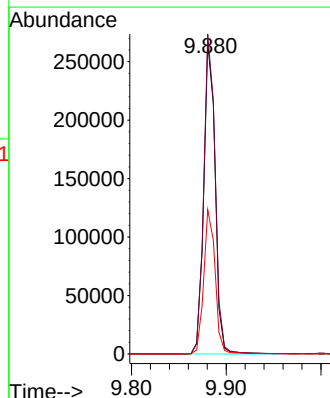
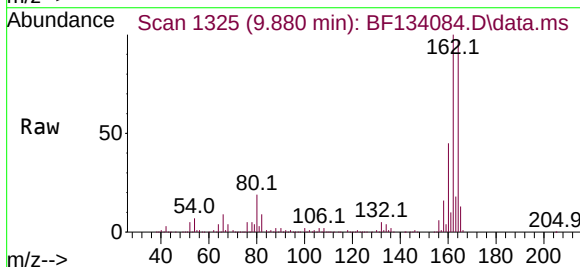
Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-011

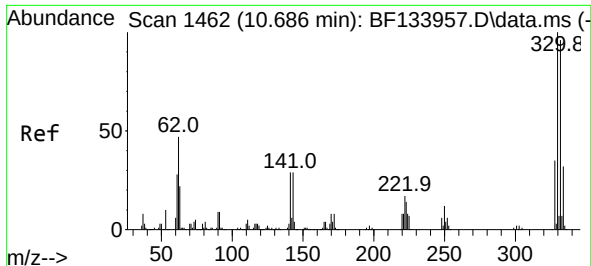
Tgt Ion: 82 Resp: 499061
 Ion Ratio Lower Upper
 82 100
 128 43.8 32.5 48.7
 54 56.8 48.2 72.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.880 min Scan# 1325
 Delta R.T. -0.012 min
 Lab File: BF134084.D
 Acq: 06 Jul 2023 01:05

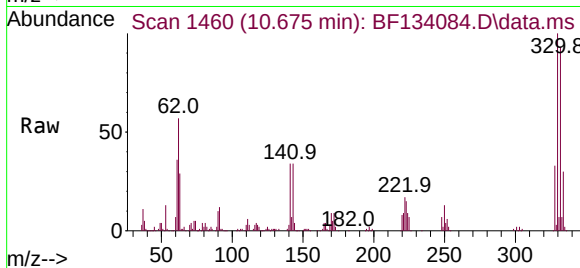
Tgt Ion: 164 Resp: 222542
 Ion Ratio Lower Upper
 164 100
 162 102.8 80.0 120.0
 160 46.4 35.9 53.9



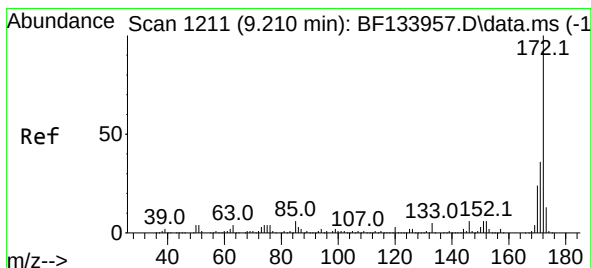
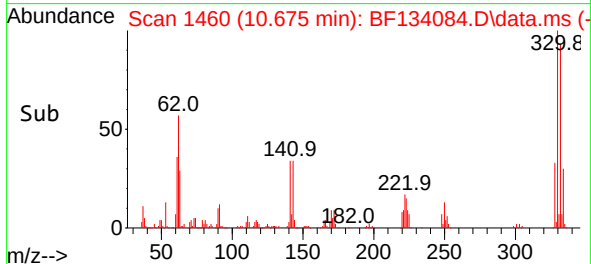
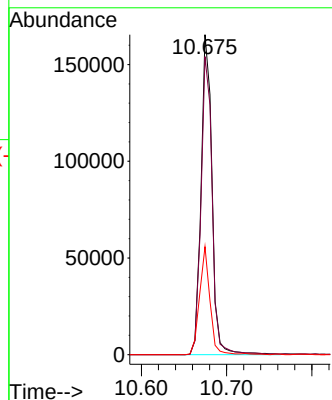


#42
2,4,6-Tribromophenol
Concen: 53.009 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-011

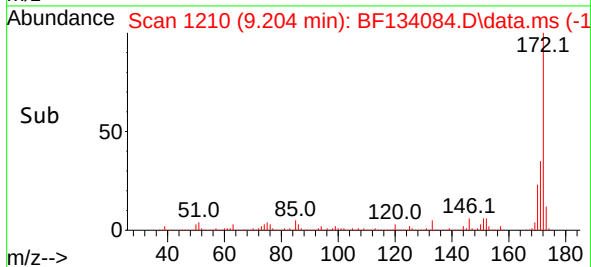
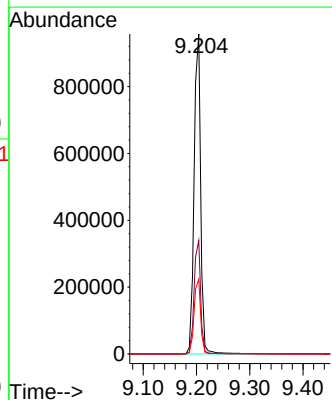
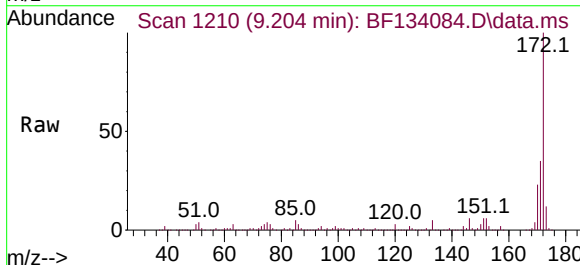


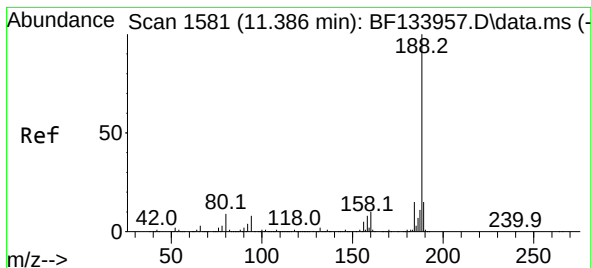
Tgt Ion:330 Resp: 147907
Ion Ratio Lower Upper
330 100
332 95.1 77.0 115.6
141 32.4 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 53.979 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134084.D
Acq: 06 Jul 2023 01:05

Tgt Ion:172 Resp: 826240
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.4 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134084.D

Acq: 06 Jul 2023 01:05

Instrument :

BNA_F

ClientSampleId :

CMC-EME-TOPSOIL-011

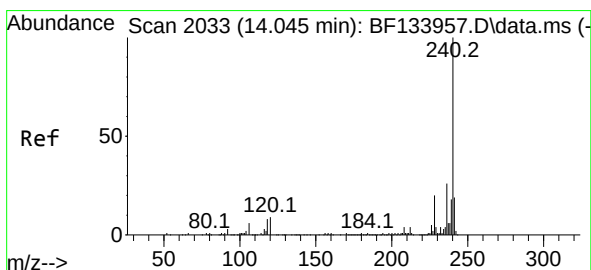
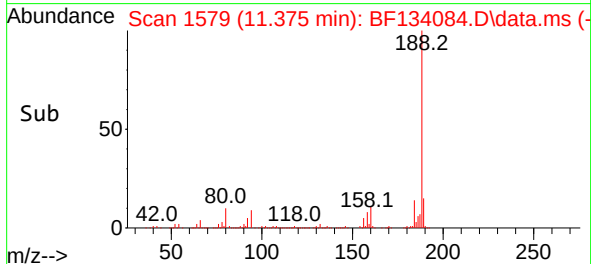
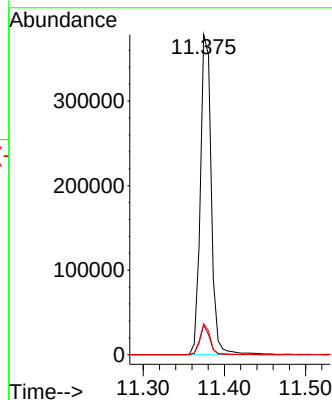
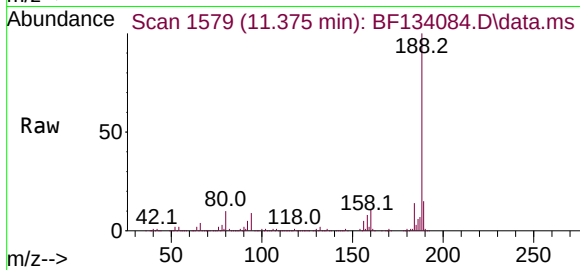
Tgt Ion:188 Resp: 355594

Ion Ratio Lower Upper

188 100

94 9.3 6.4 9.6

80 9.6 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: BF134084.D

Acq: 06 Jul 2023 01:05

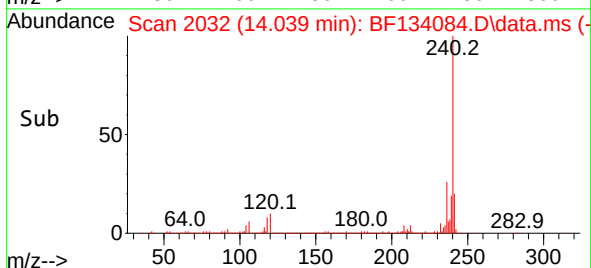
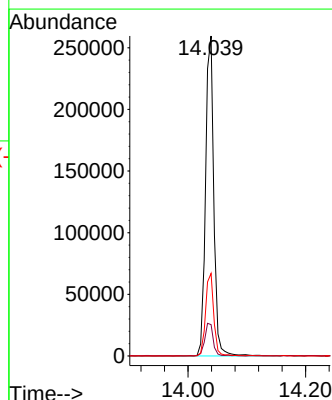
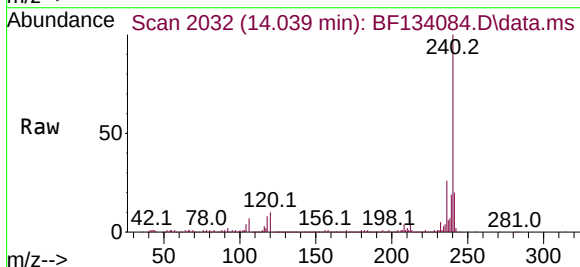
Tgt Ion:240 Resp: 253554

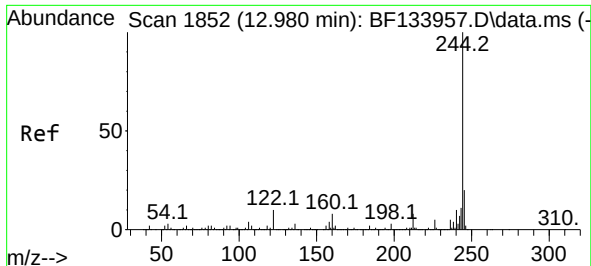
Ion Ratio Lower Upper

240 100

120 9.8 7.4 11.0

236 25.8 21.0 31.6

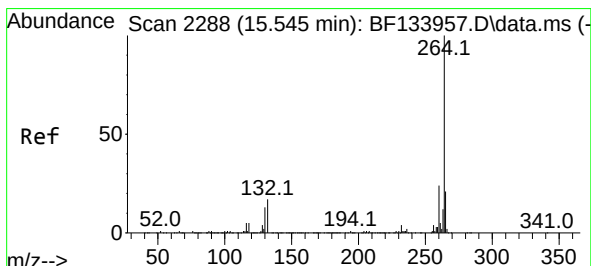
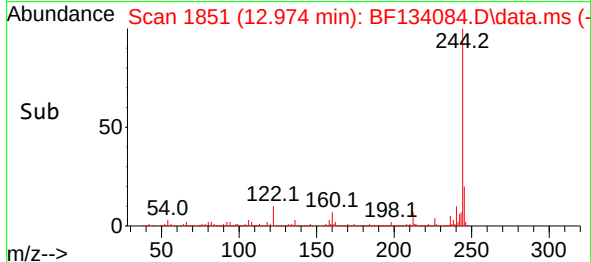
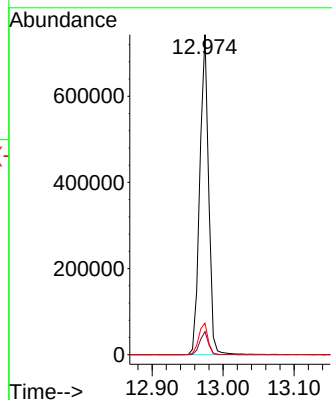
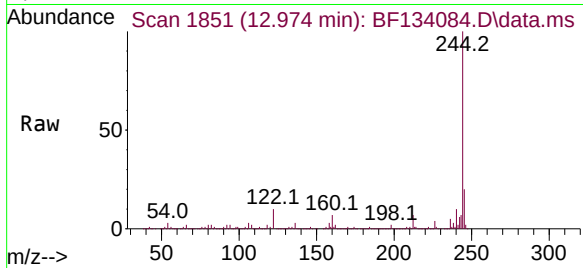




#79
 Terphenyl-d14
 Concen: 40.991 ng
 RT: 12.974 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134084.D
 Acq: 06 Jul 2023 01:05

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-011

Tgt Ion:244 Resp: 645794
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 9.8 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: BF134084.D
 Acq: 06 Jul 2023 01:05

Tgt Ion:264 Resp: 210604
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.5 29.3
 265 22.0 16.6 25.0

