

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

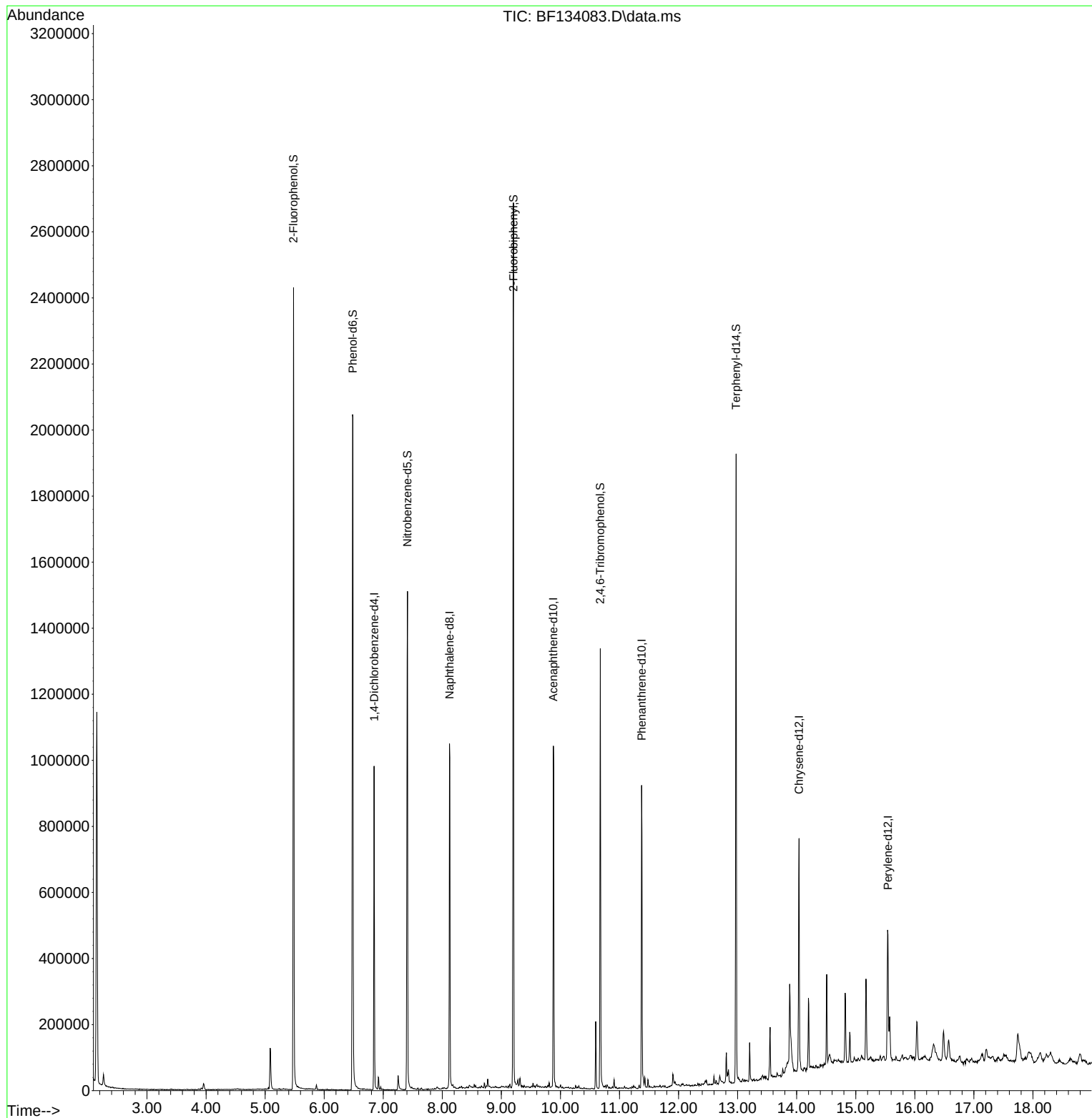
Target Compounds	Qvalue

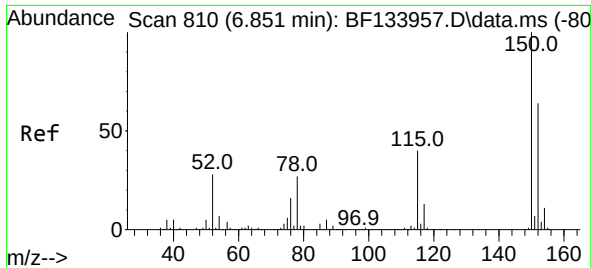
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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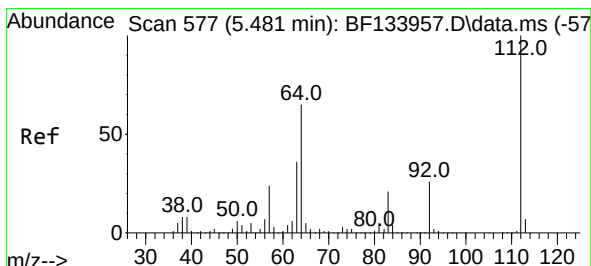
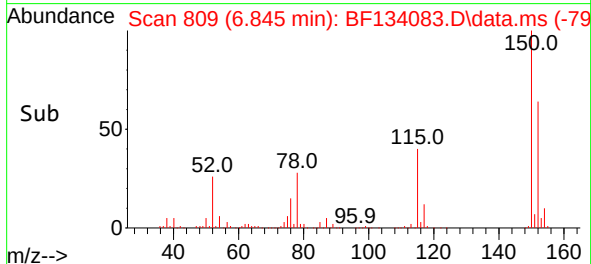
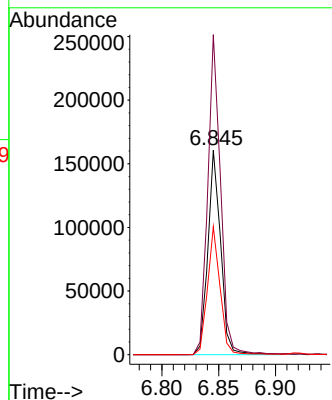
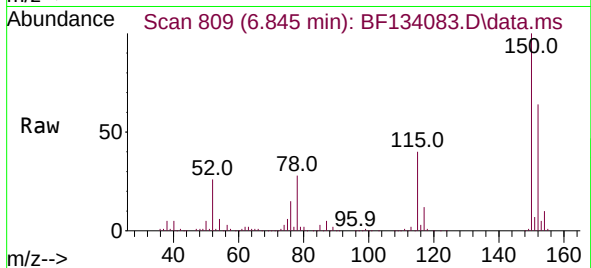




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

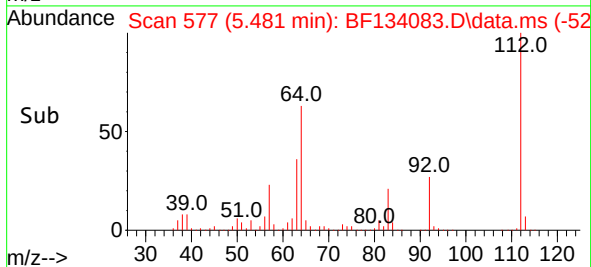
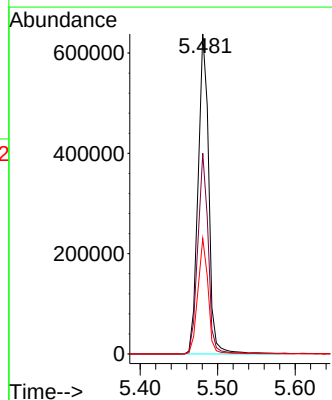
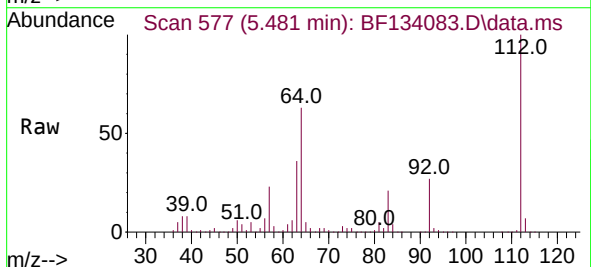
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-010

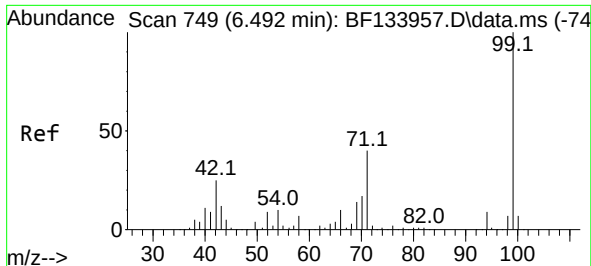
Tgt Ion:152 Resp: 125460
Ion Ratio Lower Upper
152 100
150 156.5 124.5 186.7
115 62.6 50.2 75.2



#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

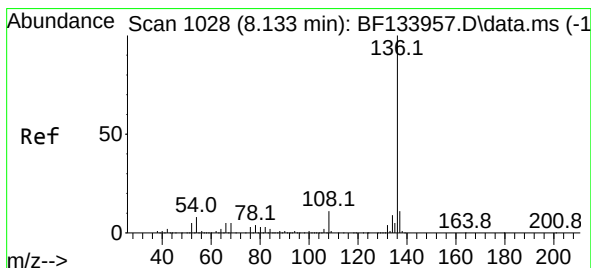
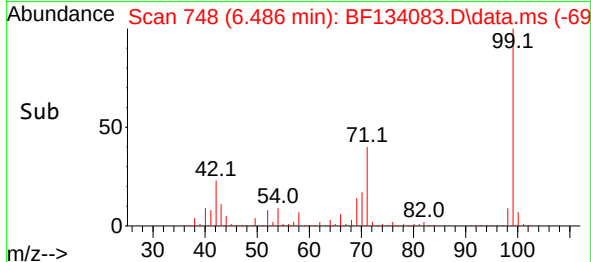
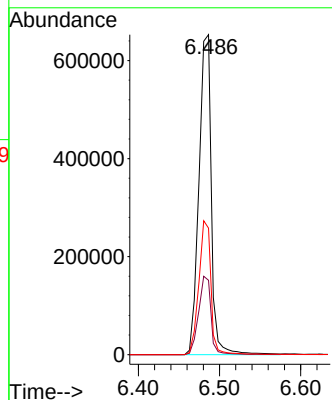
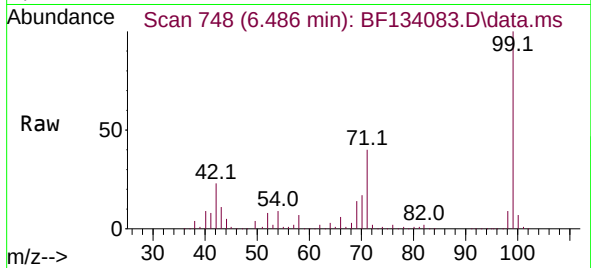




#7
Phenol-d6
Concen: 75.690 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

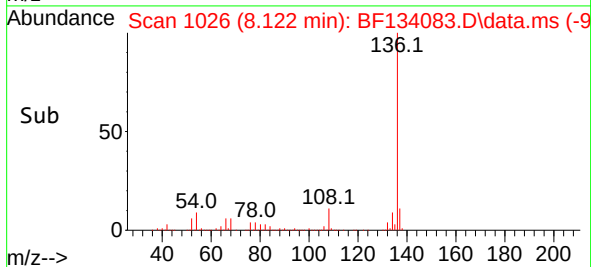
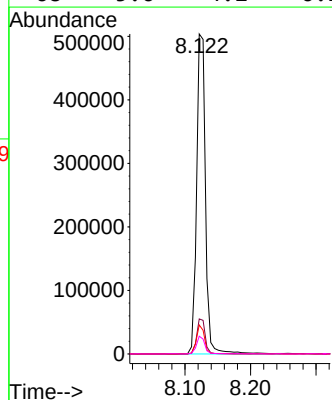
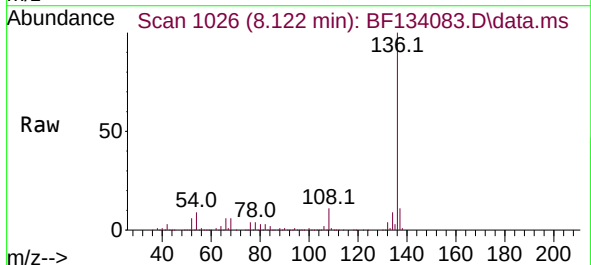
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-010

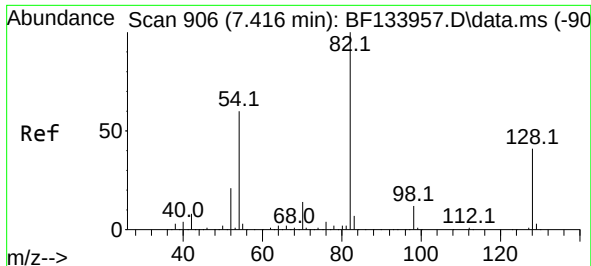
Tgt Ion: 99 Resp: 698141
Ion Ratio Lower Upper
99 100
42 23.3 19.8 29.6
71 39.5 31.9 47.9



#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# 906

Delta R.T. -0.012 min

Lab File: BF134083.D

Acq: 06 Jul 2023 00:31

Instrument :

BNA_F

ClientSampleId :

CMC-EME-TOPSOIL-010

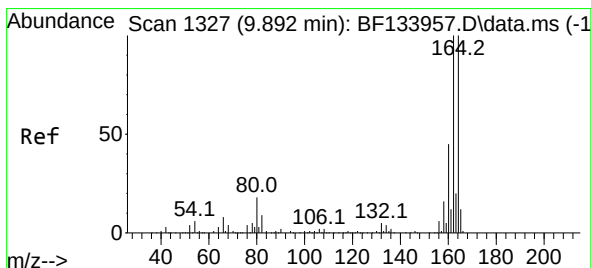
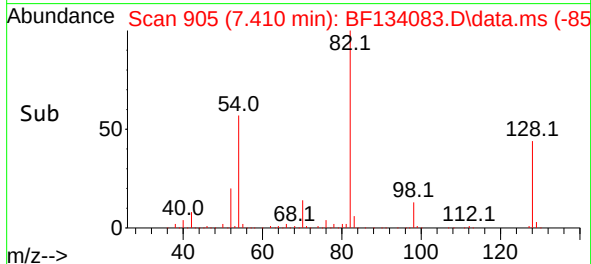
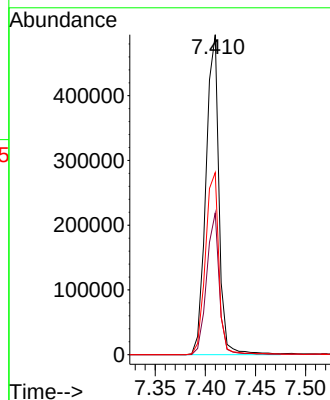
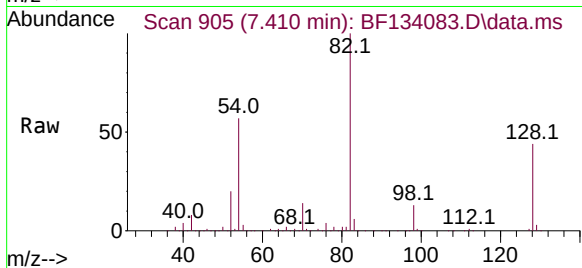
Tgt Ion: 82 Resp: 451272

Ion Ratio Lower Upper

82 100

128 44.3 32.5 48.7

54 56.9 48.2 72.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1325

Delta R.T. -0.012 min

Lab File: BF134083.D

Acq: 06 Jul 2023 00:31

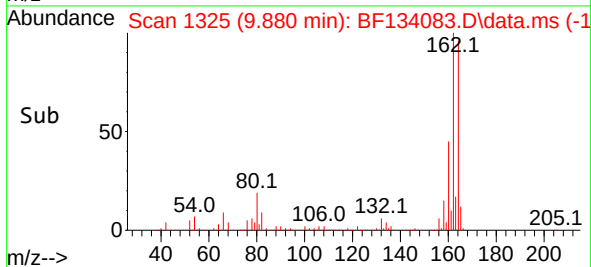
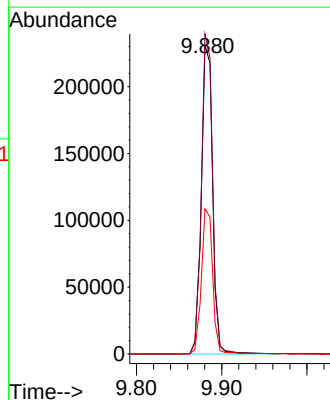
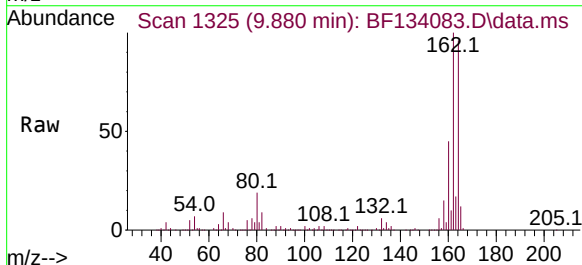
Tgt Ion:164 Resp: 212410

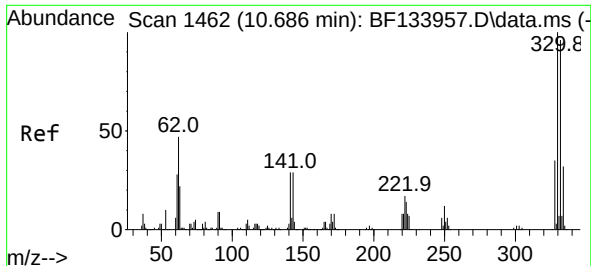
Ion Ratio Lower Upper

164 100

162 103.7 80.0 120.0

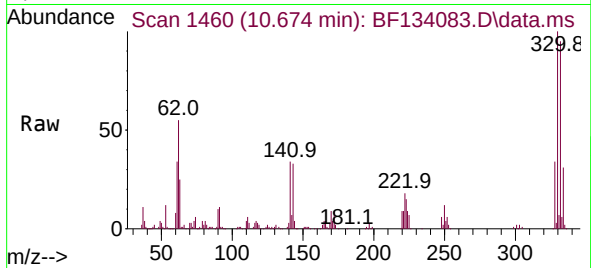
160 47.0 35.9 53.9



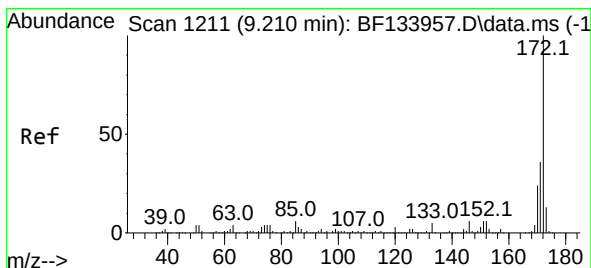
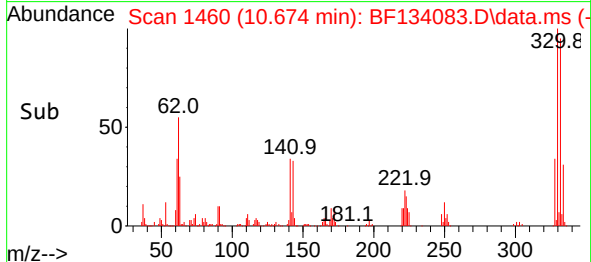
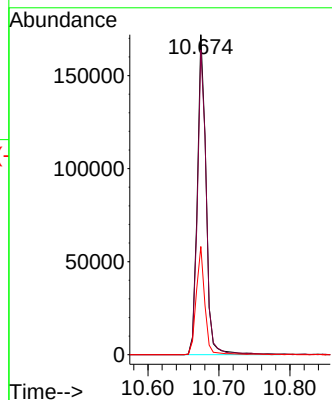


#42
2,4,6-Tribromophenol
Concen: 55.354 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

Instrument :
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ClientSampleId :
CMC-EME-TOPSOIL-010

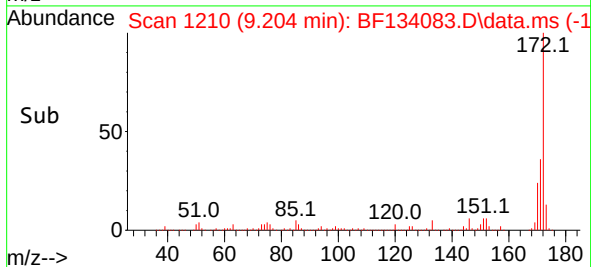
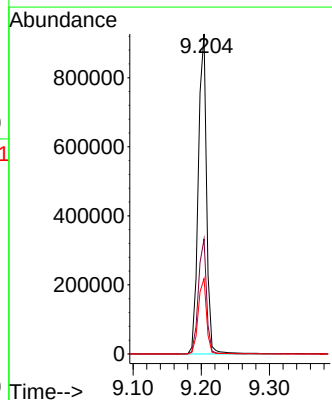
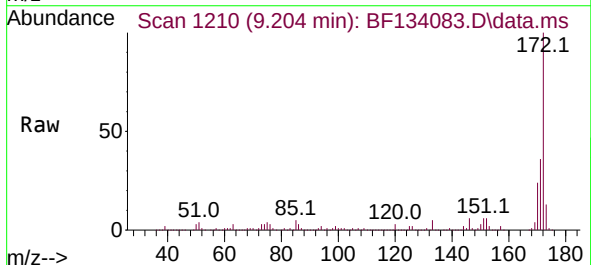


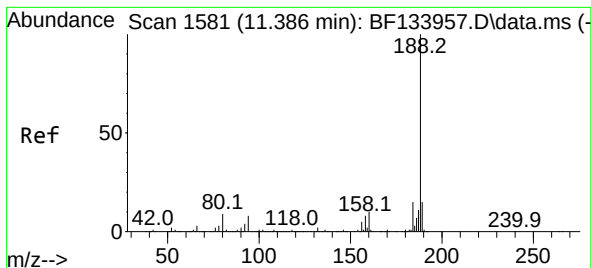
Tgt Ion: 330 Resp: 147419
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.6
141 33.0 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 53.620 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134083.D
Acq: 06 Jul 2023 00:31

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





#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

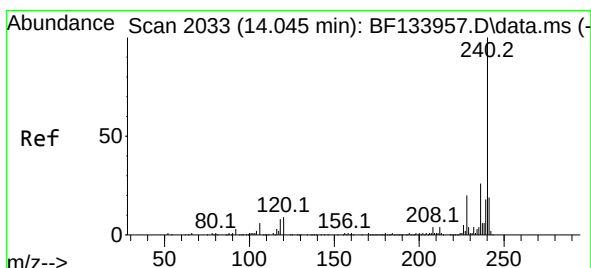
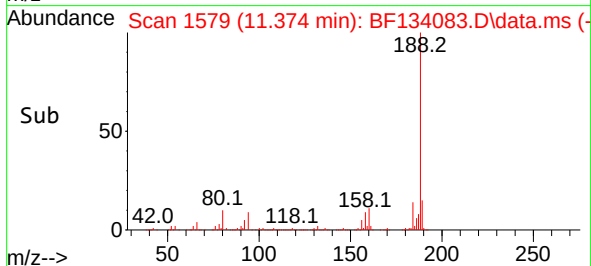
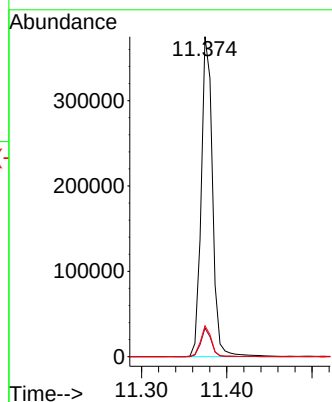
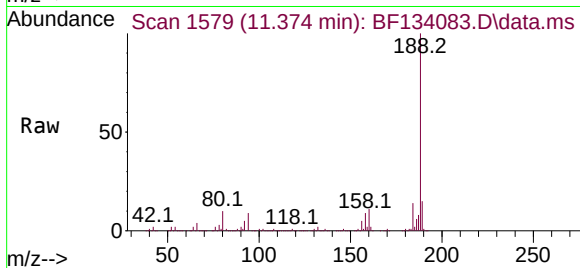
Tgt Ion:188 Resp: 345588

Ion Ratio Lower Upper

188 100

94 8.9 6.4 9.6

80 9.6 7.3 10.9



#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

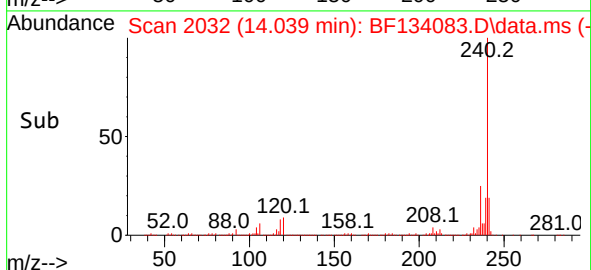
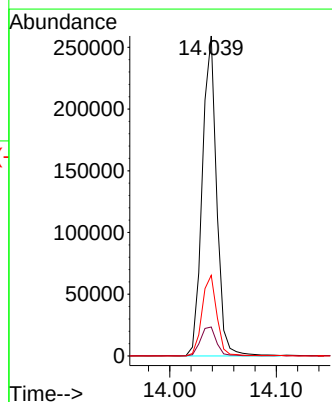
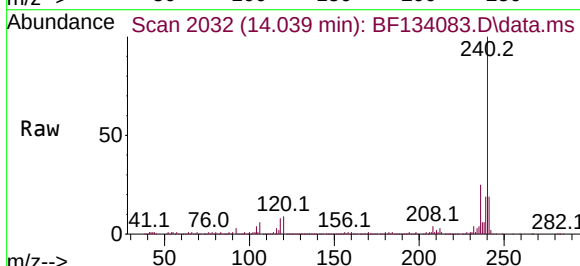
Tgt Ion:240 Resp: 244226

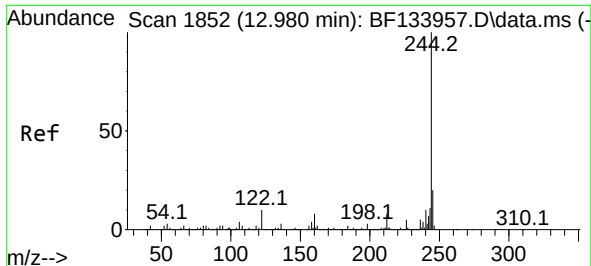
Ion Ratio Lower Upper

240 100

120 9.0 7.4 11.0

236 25.2 21.0 31.6

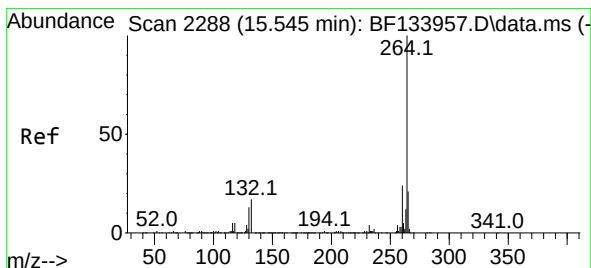
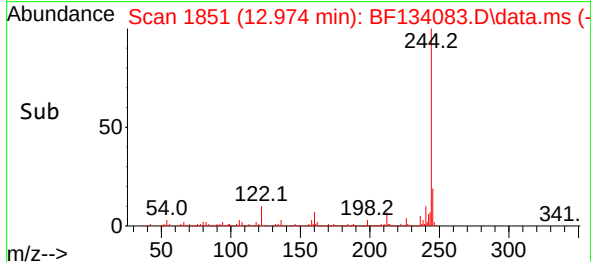
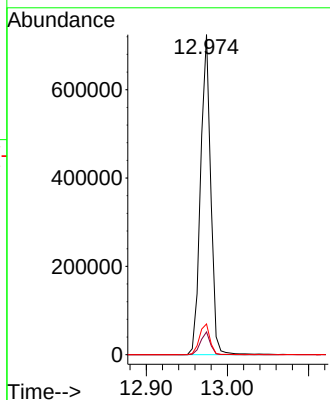
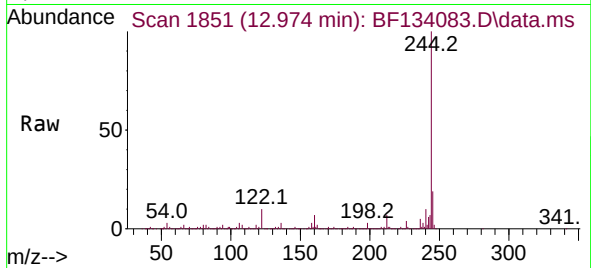




#79
 Terphenyl-d14
 Concen: 41.515 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF134083.D
 Acq: 06 Jul 2023 00:31

Instrument :
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 CMC-EME-TOPSOIL-010

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# 2288
 Delta R.T. -0.006 min
 Lab File: BF134083.D
 Acq: 06 Jul 2023 00:31

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

