

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
 Data File : BF134091.D
 Acq On : 06 Jul 2023 05:04
 Operator : CG\JU
 Sample : 03473-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-009

Quant Time: Jul 06 05:37:12 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	132749	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	489313	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	216426	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	351669	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	255190	20.000	ng	-0.01
86) Perylene-d12	15.539	264	198468	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	816686	102.910	ng	0.00
7) Phenol-d6	6.487	99	988340	101.269	ng	0.00
23) Nitrobenzene-d5	7.410	82	663819	73.130	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	223570	82.390	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	1090174	73.235	ng	0.00
79) Terphenyl-d14	12.974	244	989472	62.404	ng	-0.01

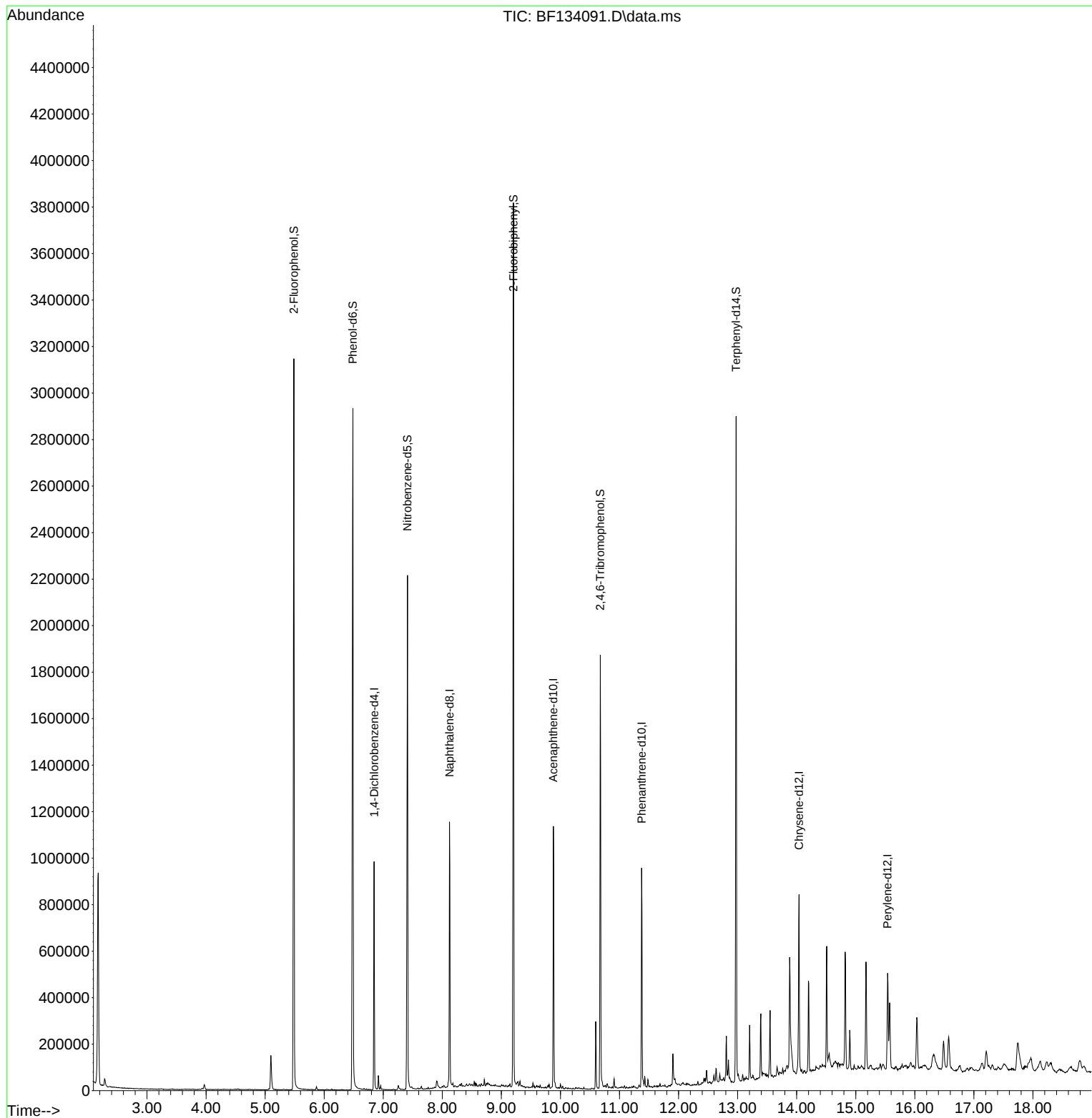
Target Compounds	Qvalue

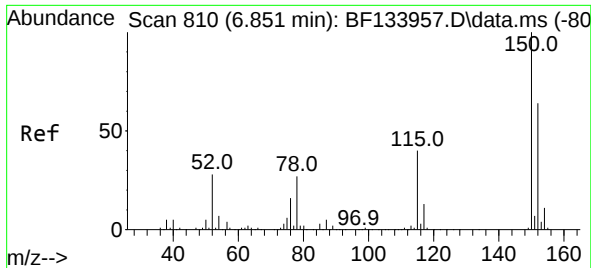
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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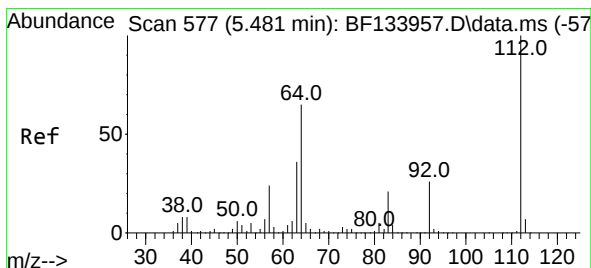
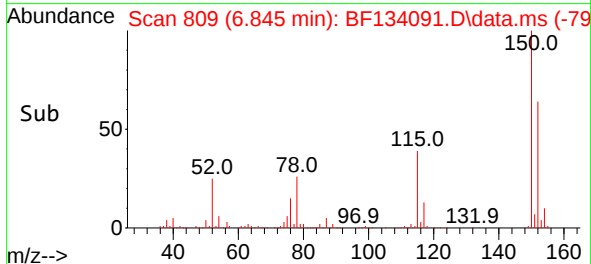
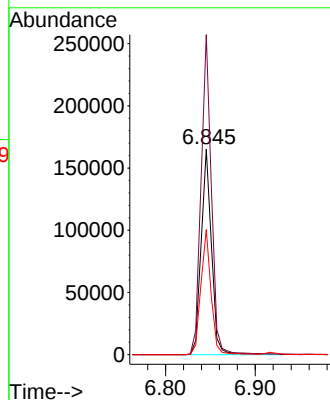
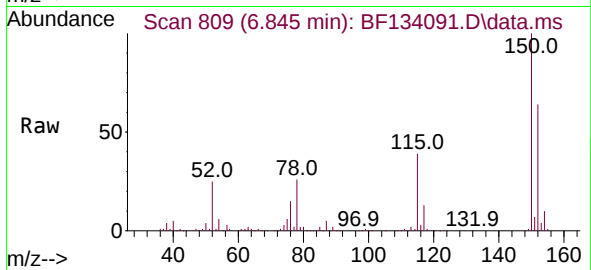




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134091.D
Acq: 06 Jul 2023 05:04

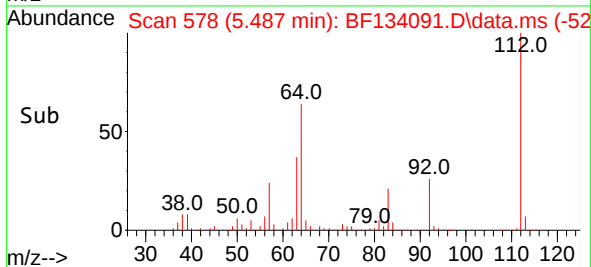
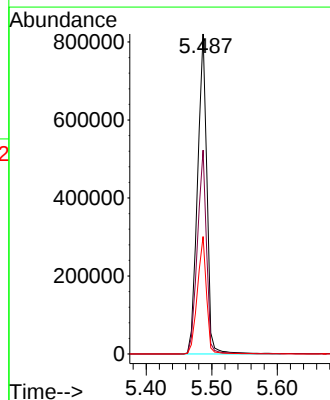
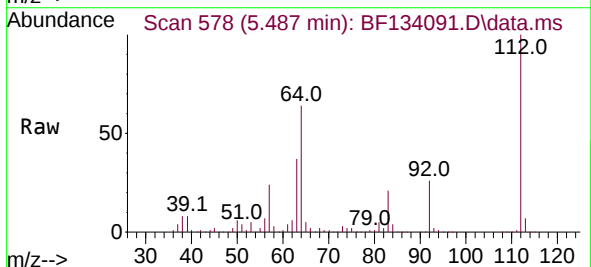
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-009

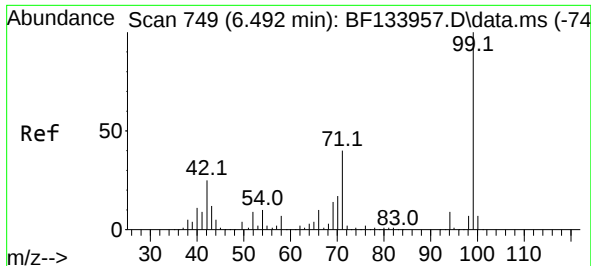
Tgt Ion:152 Resp: 132749
Ion Ratio Lower Upper
152 100
150 155.7 124.5 186.7
115 60.8 50.2 75.2



#5
2-Fluorophenol
Concen: 102.910 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF134091.D
Acq: 06 Jul 2023 05:04

Tgt Ion:112 Resp: 816686
Ion Ratio Lower Upper
112 100
64 63.7 52.1 78.1
63 36.7 28.6 42.8

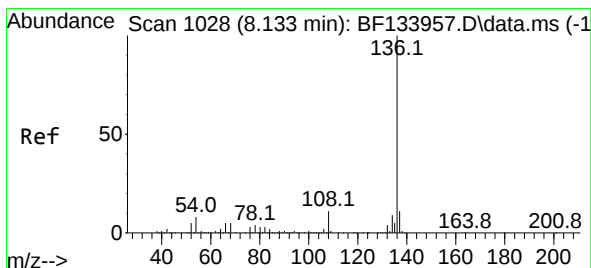
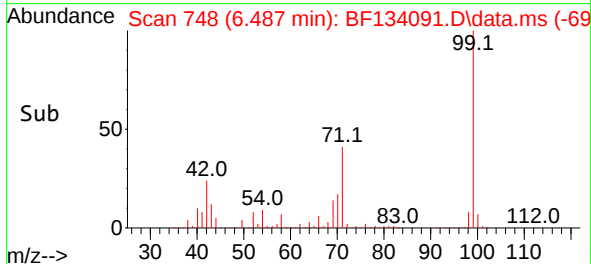
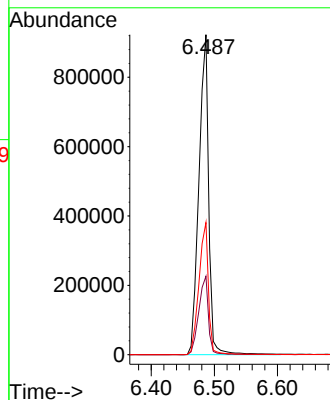
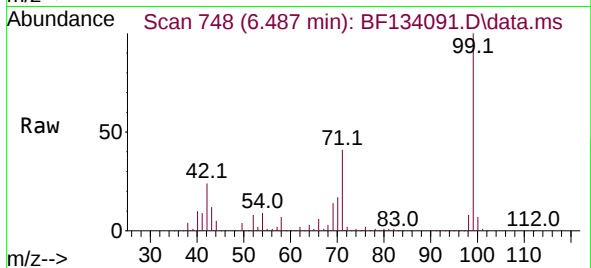




#7
Phenol-d6
Concen: 101.269 ng
RT: 6.487 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134091.D
Acq: 06 Jul 2023 05:04

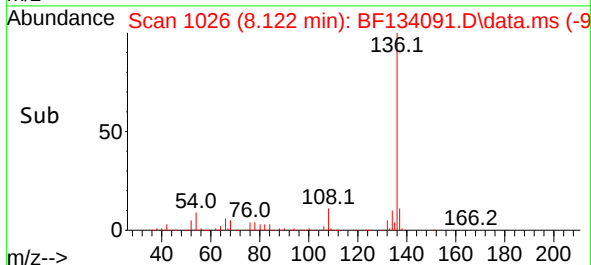
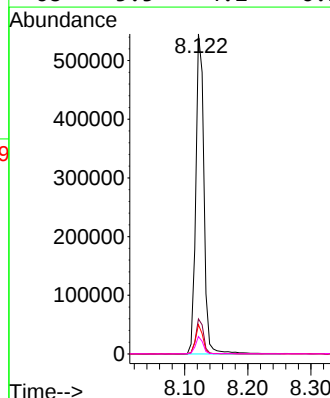
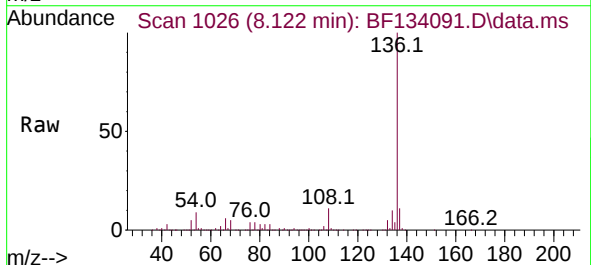
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-009

Tgt Ion: 99 Resp: 988340
Ion Ratio Lower Upper
99 100
42 24.5 19.8 29.6
71 41.3 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: BF134091.D
Acq: 06 Jul 2023 05:04

Tgt Ion: 136 Resp: 489313
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.1 6.5 9.7
68 5.5 4.2 6.2

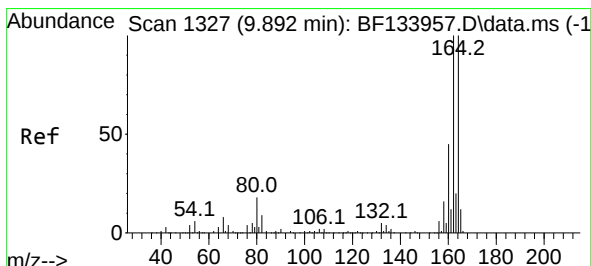
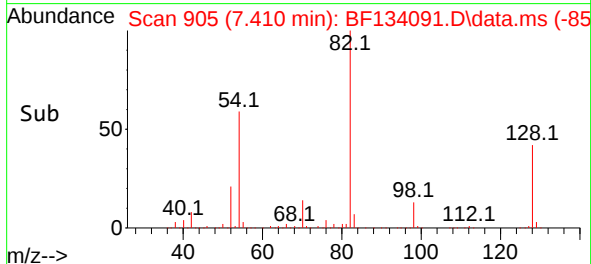
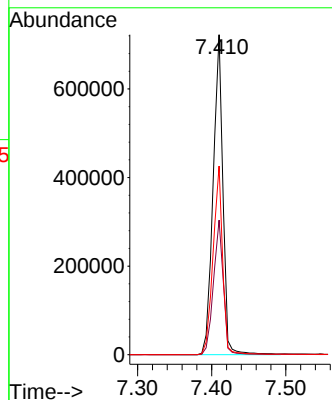
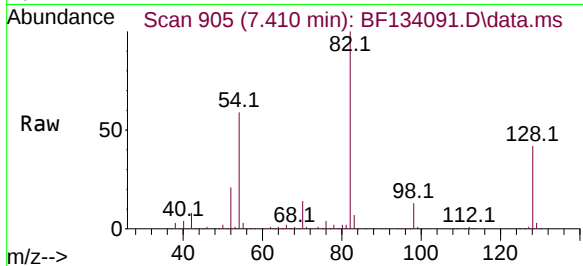




#23
Nitrobenzene-d5
Concen: 73.130 ng
RT: 7.410 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF134091.D
Acq: 06 Jul 2023 05:04

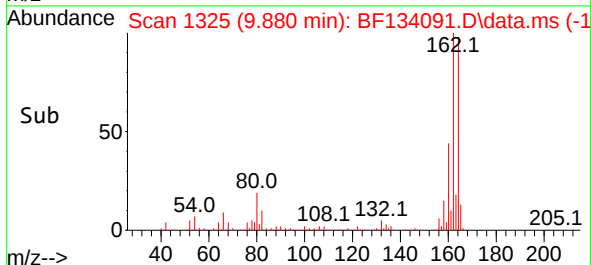
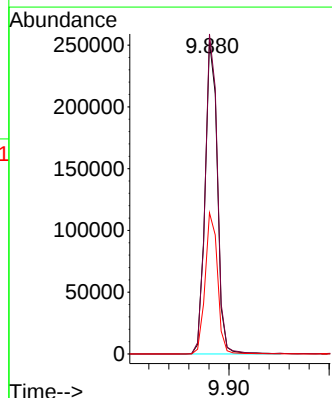
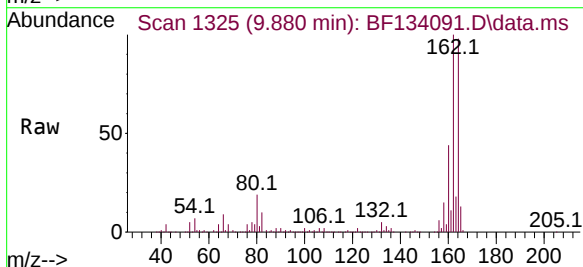
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-009

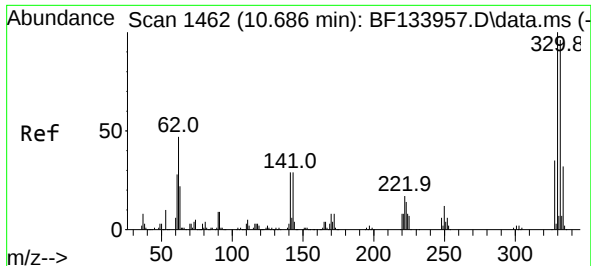
Tgt Ion: 82 Resp: 663819
Ion Ratio Lower Upper
82 100
128 42.1 32.5 48.7
54 58.9 48.2 72.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134091.D
Acq: 06 Jul 2023 05:04

Tgt Ion:164 Resp: 216426
Ion Ratio Lower Upper
164 100
162 102.3 80.0 120.0
160 45.1 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 82.390 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF134091.D

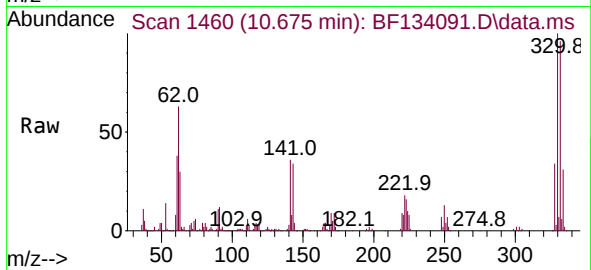
Acq: 06 Jul 2023 05:04

Instrument :

BNA_F

ClientSampleId :

CMC-EME-TOPSOIL-009



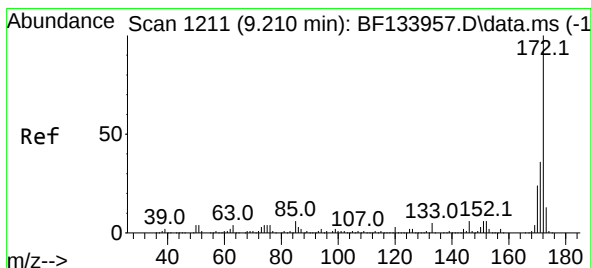
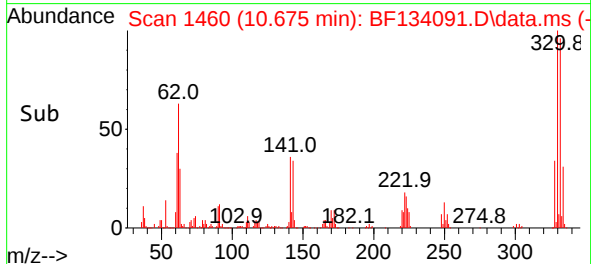
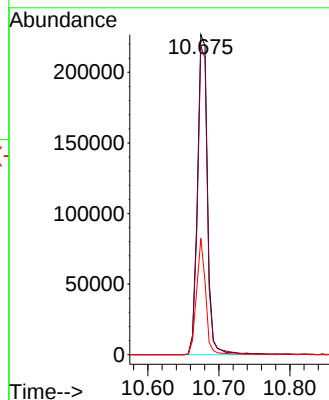
Tgt Ion:330 Resp: 223570

Ion Ratio Lower Upper

330 100

332 94.8 77.0 115.6

141 32.8 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 73.235 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF134091.D

Acq: 06 Jul 2023 05:04

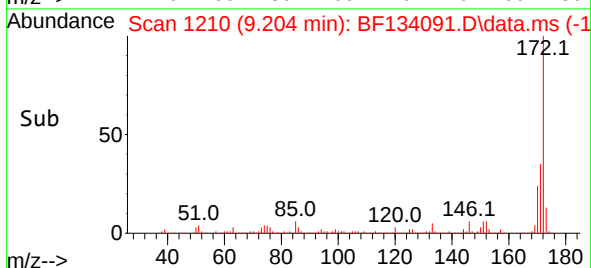
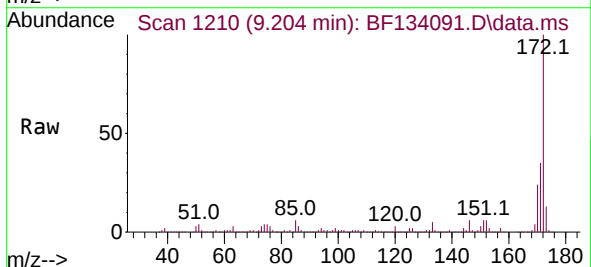
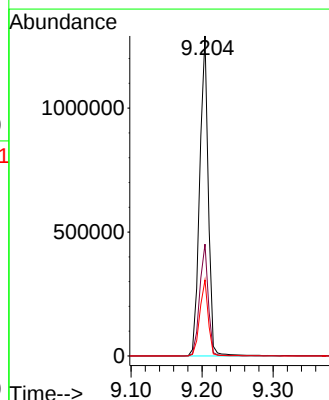
Tgt Ion:172 Resp: 1090174

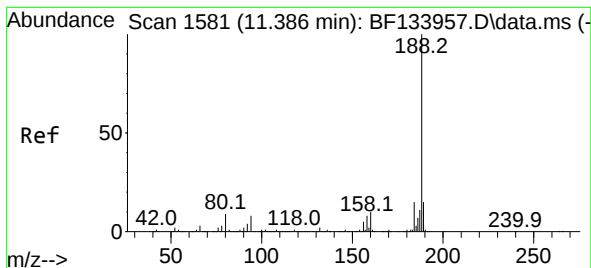
Ion Ratio Lower Upper

172 100

171 34.9 28.6 43.0

170 23.8 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134091.D

Acq: 06 Jul 2023 05:04

Instrument :

BNA_F

ClientSampleId :

CMC-EME-TOPSOIL-009

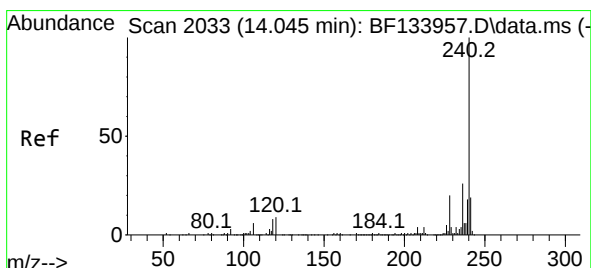
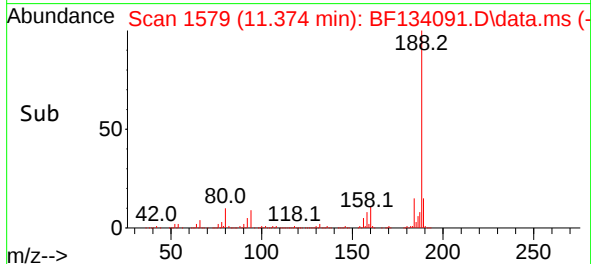
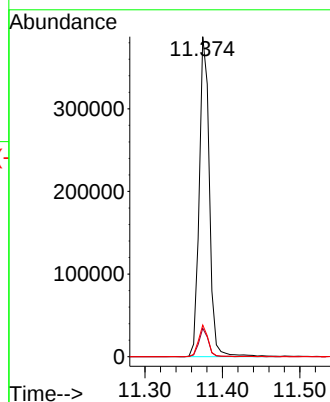
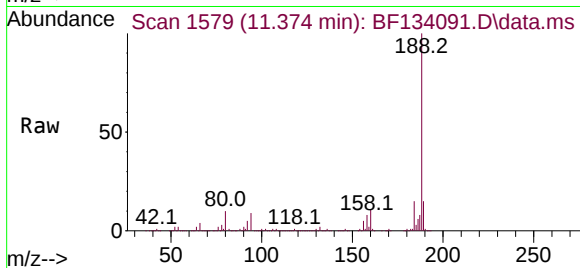
Tgt Ion:188 Resp: 351669

Ion Ratio Lower Upper

188 100

94 8.9 6.4 9.6

80 9.9 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: BF134091.D

Acq: 06 Jul 2023 05:04

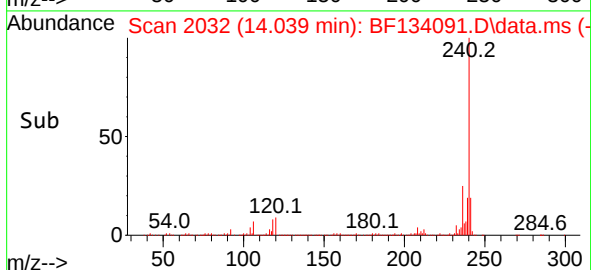
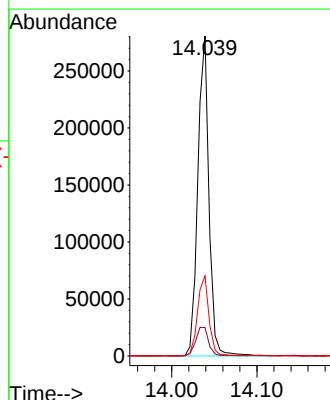
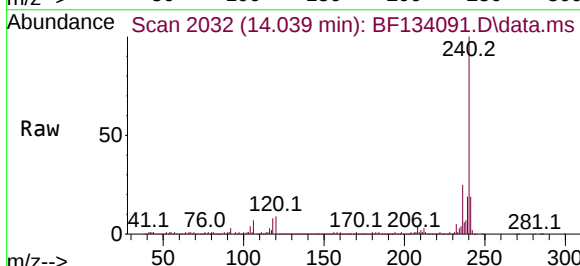
Tgt Ion:240 Resp: 255190

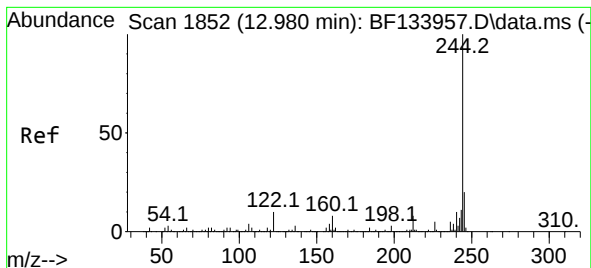
Ion Ratio Lower Upper

240 100

120 8.9 7.4 11.0

236 25.1 21.0 31.6





#79

Terphenyl-d14

Concen: 62.404 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF134091.D

Acq: 06 Jul 2023 05:04

Instrument :

BNA_F

ClientSampleId :

CMC-EME-TOPSOIL-009

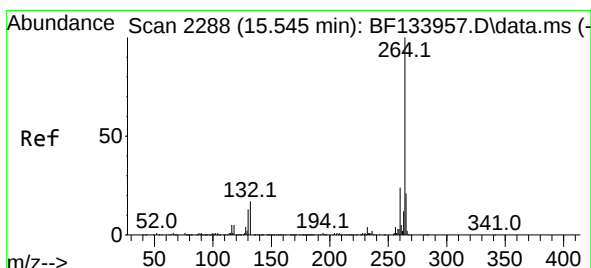
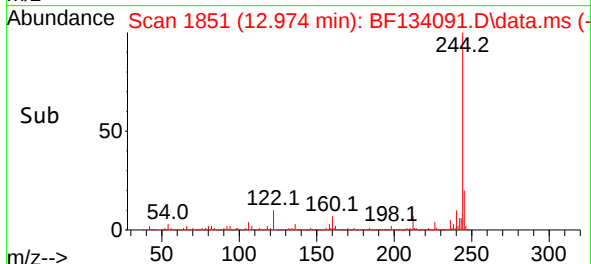
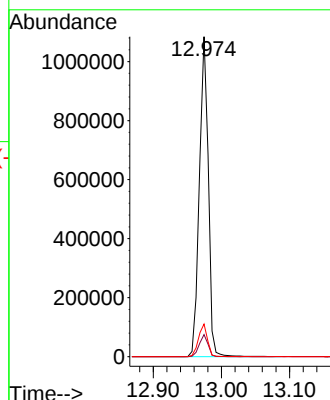
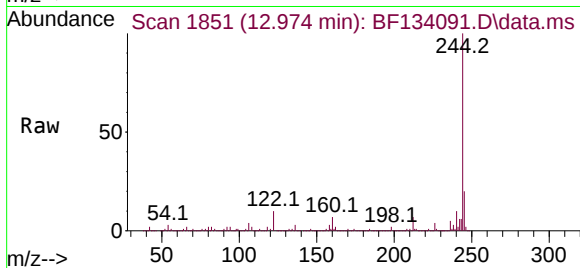
Tgt Ion:244 Resp: 989472

Ion Ratio Lower Upper

244 100

212 6.9 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: BF134091.D

Acq: 06 Jul 2023 05:04

Tgt Ion:264 Resp: 198468

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

265 21.5 16.6 25.0

