

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
 Data File : BF134088.D
 Acq On : 06 Jul 2023 03:23
 Operator : CG\JU
 Sample : 03473-10
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-015

Quant Time: Jul 06 04:54:47 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)

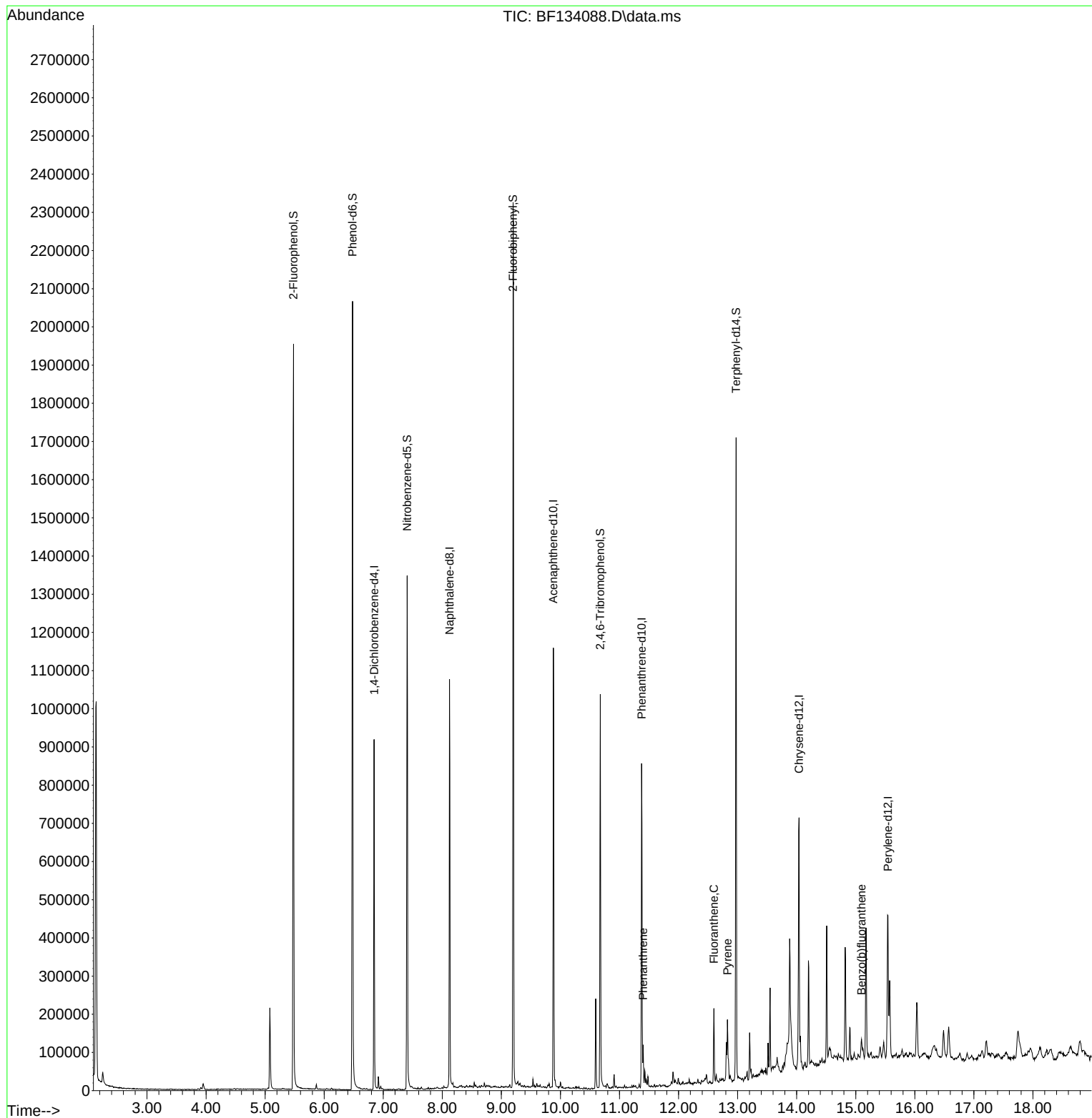
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	121298	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	447334	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	223556	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	315597	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	228095	20.000	ng	-0.01
86) Perylene-d12	15.545	264	185096	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	506851	69.898	ng	0.00
7) Phenol-d6	6.481	99	607001	68.067	ng	-0.01
23) Nitrobenzene-d5	7.404	82	398077	47.970	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	117783	42.021	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	710563	46.211	ng	-0.01
79) Terphenyl-d14	12.974	244	558751	39.425	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.398	178	33121	2.085	ng	96
75) Fluoranthene	12.598	202	77034	4.485	ng	98
78) Pyrene	12.827	202	65170	3.070	ng	99
88) Benzo(b)fluoranthene	15.098	252	28146m	2.586	ng	

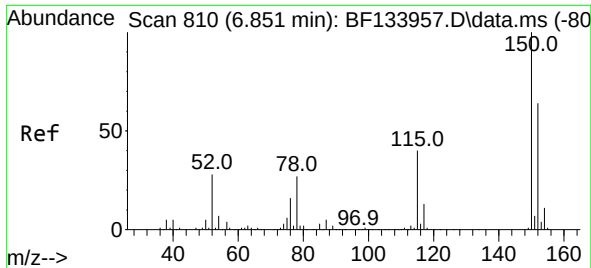
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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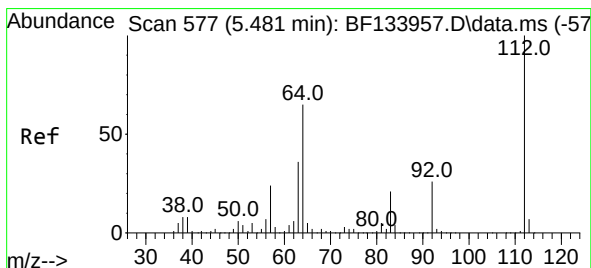
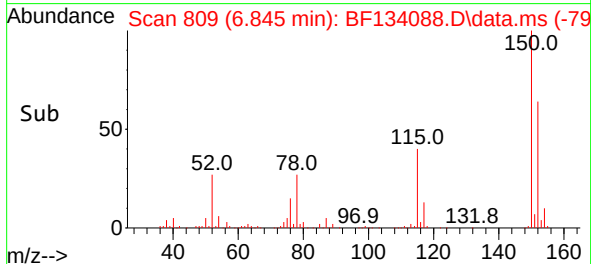
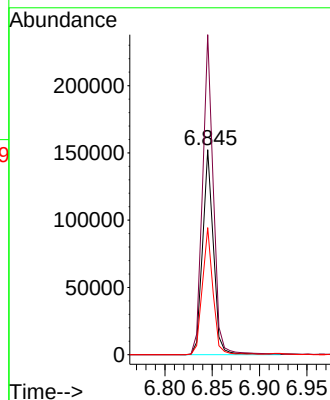
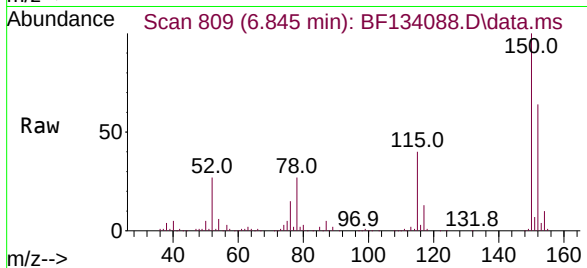




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134088.D
Acq: 06 Jul 2023 03:23

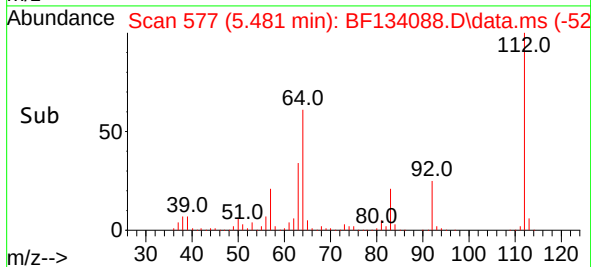
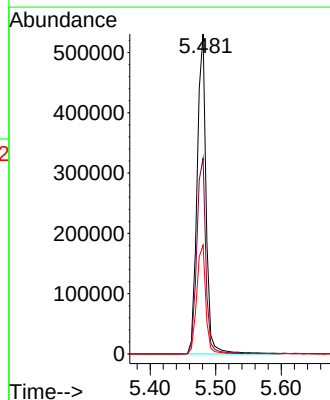
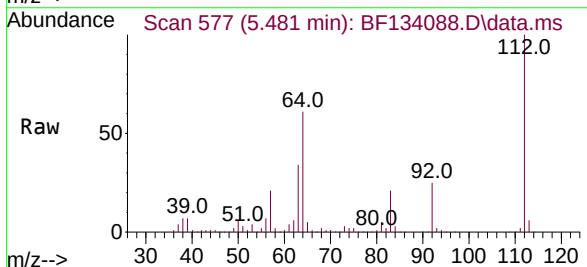
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-015

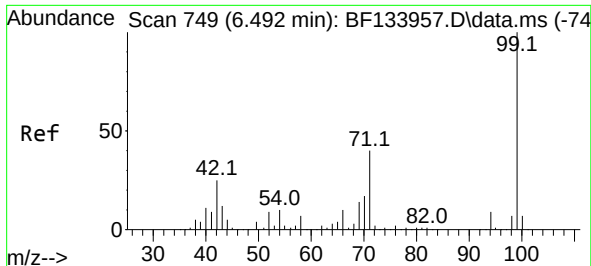
Tgt Ion:152 Resp: 121298
Ion Ratio Lower Upper
152 100
150 156.1 124.5 186.7
115 62.0 50.2 75.2



#5
2-Fluorophenol
Concen: 69.898 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF134088.D
Acq: 06 Jul 2023 03:23

Tgt Ion:112 Resp: 506851
Ion Ratio Lower Upper
112 100
64 61.2 52.1 78.1
63 34.1 28.6 42.8

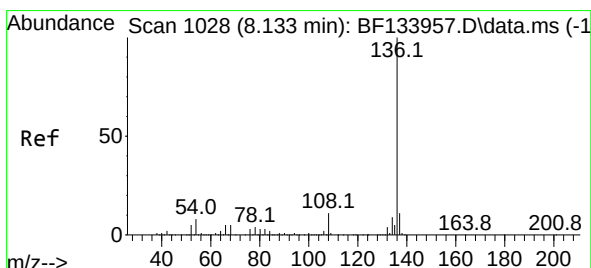
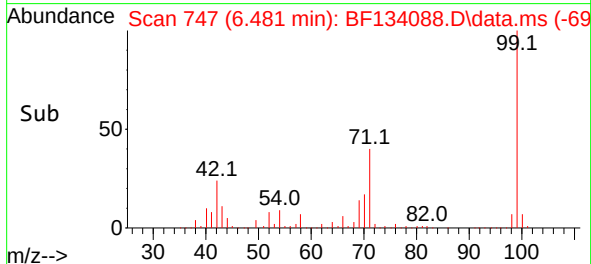
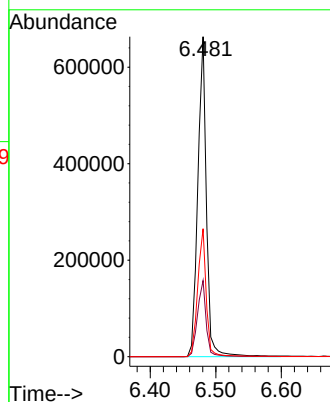
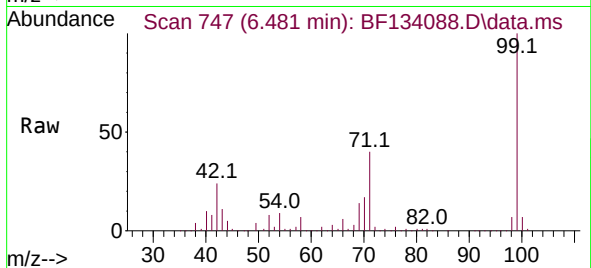




#7
Phenol-d6
Concen: 68.067 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134088.D
Acq: 06 Jul 2023 03:23

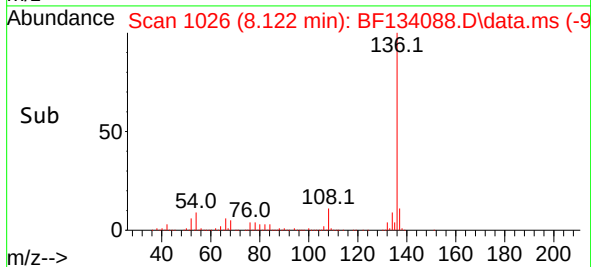
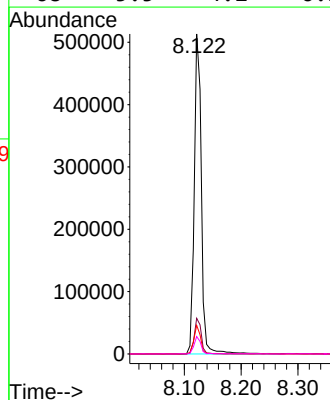
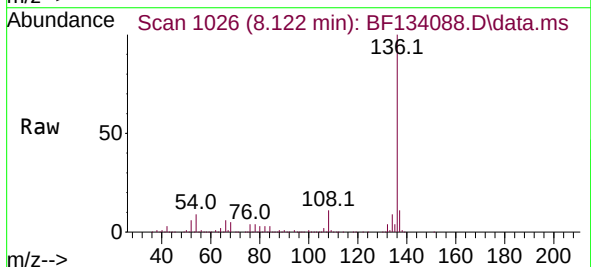
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-015

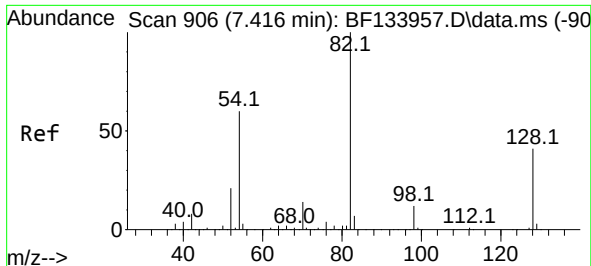
Tgt Ion: 99 Resp: 607001
Ion Ratio Lower Upper
99 100
42 23.8 19.8 29.6
71 40.0 31.9 47.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134088.D
Acq: 06 Jul 2023 03:23

Tgt Ion: 136 Resp: 447334
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 8.9 6.5 9.7
68 5.5 4.2 6.2

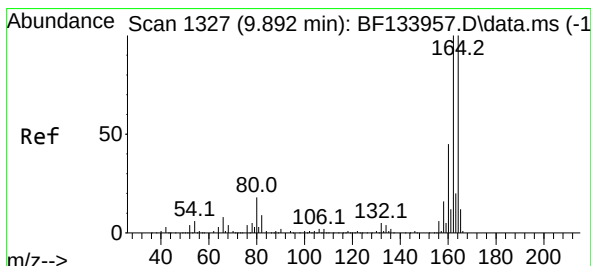
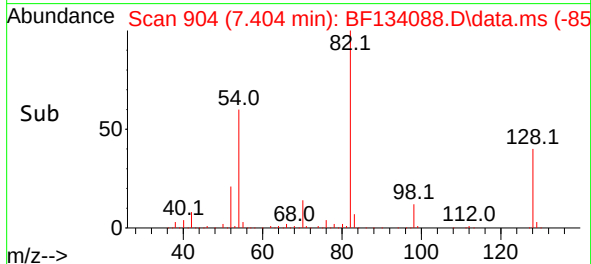
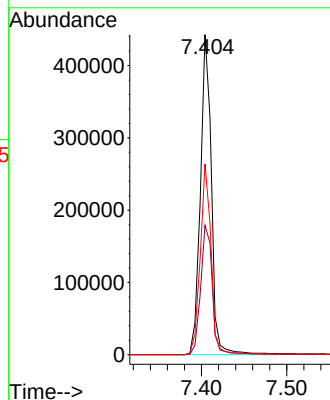
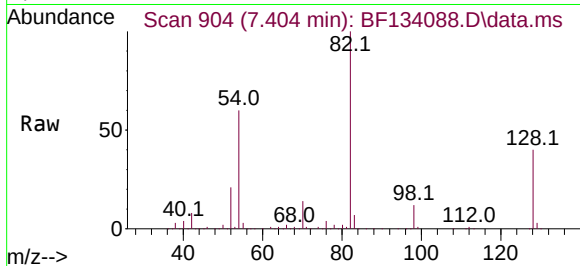




#23
 Nitrobenzene-d5
 Concen: 47.970 ng
 RT: 7.404 min Scan# 906
 Delta R.T. -0.018 min
 Lab File: BF134088.D
 Acq: 06 Jul 2023 03:23

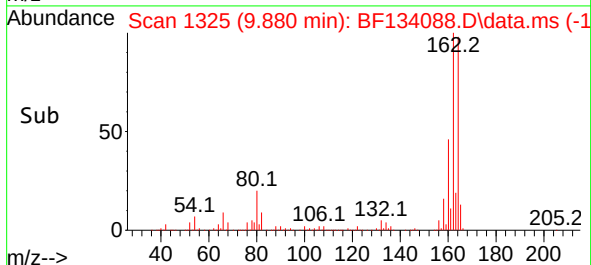
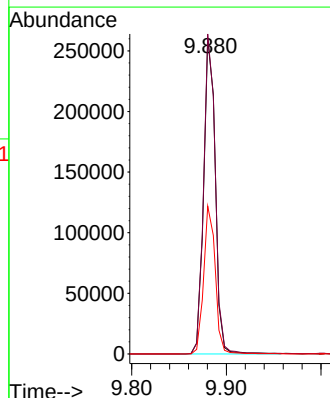
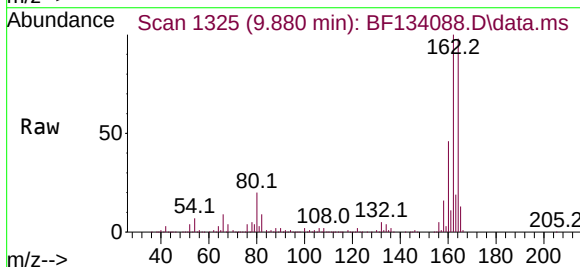
Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-015

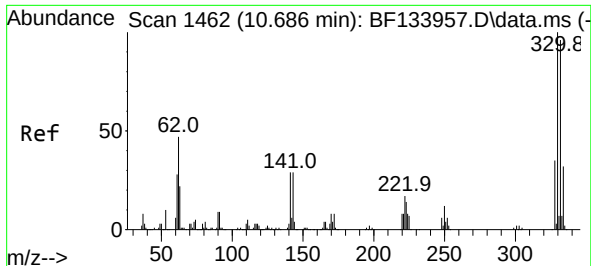
Tgt Ion: 82 Resp: 398077
 Ion Ratio Lower Upper
 82 100
 128 40.4 32.5 48.7
 54 59.6 48.2 72.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.880 min Scan# 1325
 Delta R.T. -0.012 min
 Lab File: BF134088.D
 Acq: 06 Jul 2023 03:23

Tgt Ion:164 Resp: 223556
 Ion Ratio Lower Upper
 164 100
 162 101.6 80.0 120.0
 160 46.9 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 42.021 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF134088.D

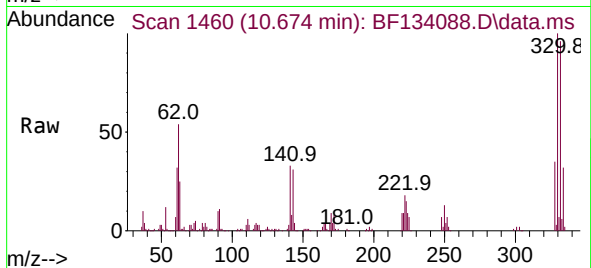
Acq: 06 Jul 2023 03:23

Instrument :

BNA_F

ClientSampleId :

CMC-EME-TOPSOIL-015



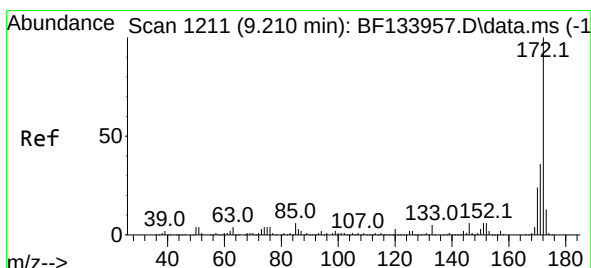
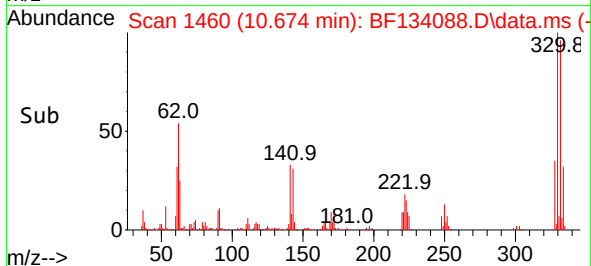
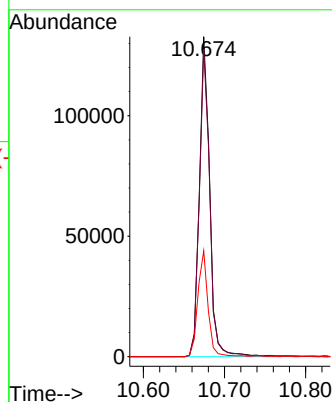
Tgt Ion:330 Resp: 117783

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

141 32.7 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 46.211 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.012 min

Lab File: BF134088.D

Acq: 06 Jul 2023 03:23

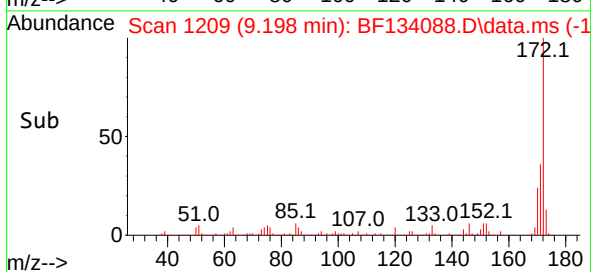
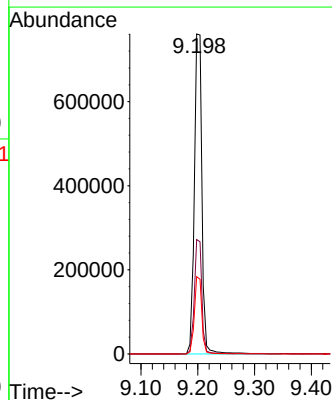
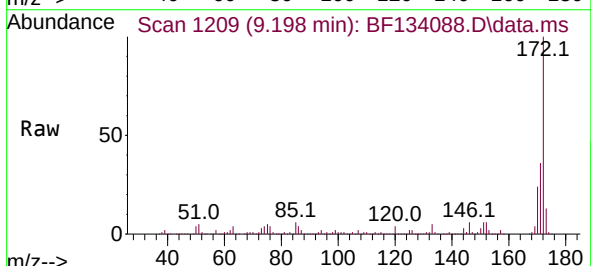
Tgt Ion:172 Resp: 710563

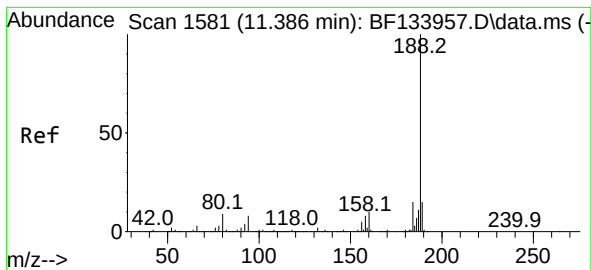
Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 24.1 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: BF134088.D

Acq: 06 Jul 2023 03:23

Instrument :

BNA_F

ClientSampleId :

CMC-EME-TOPSOIL-015

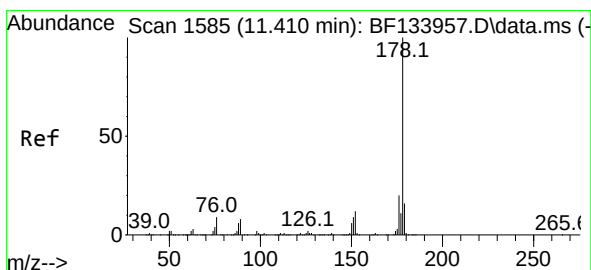
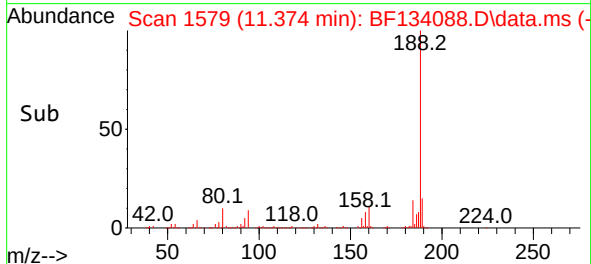
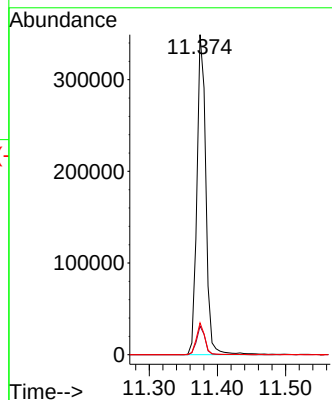
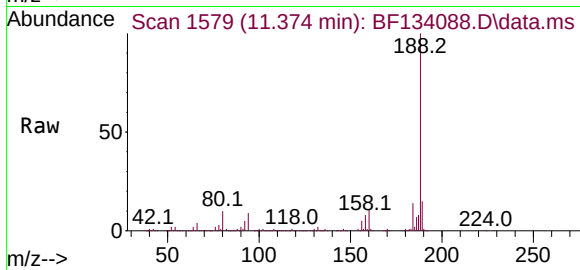
Tgt Ion:188 Resp: 315597

Ion Ratio Lower Upper

188 100

94 9.0 6.4 9.6

80 9.9 7.3 10.9



#71

Phenanthrene

Concen: 2.085 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BF134088.D

Acq: 06 Jul 2023 03:23

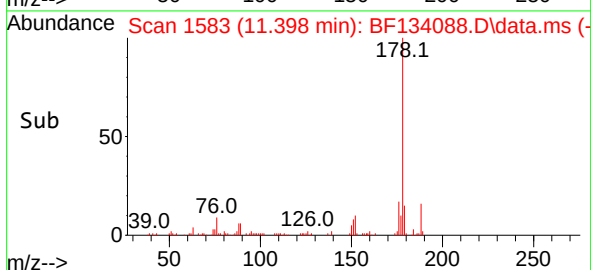
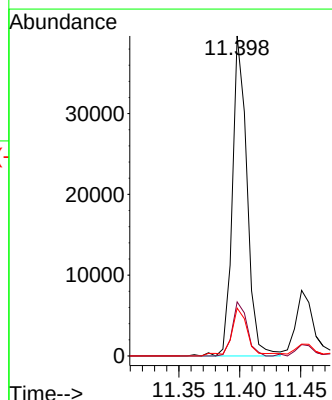
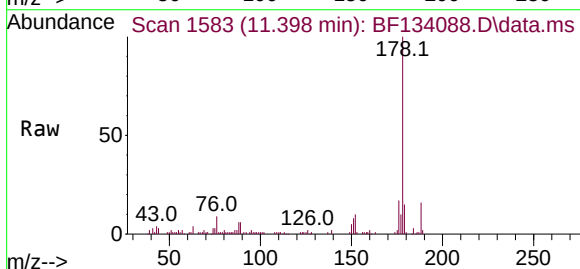
Tgt Ion:178 Resp: 33121

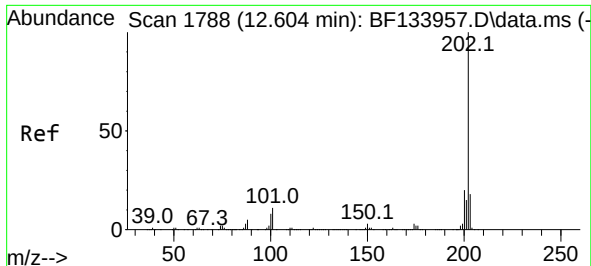
Ion Ratio Lower Upper

178 100

176 16.9 16.0 24.0

179 14.9 12.4 18.6

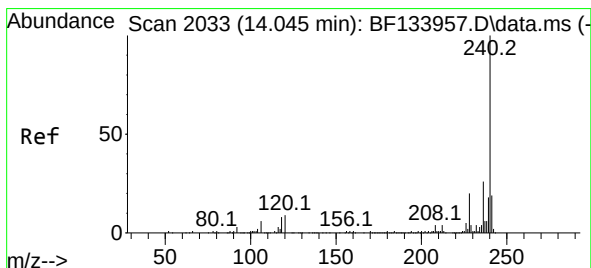
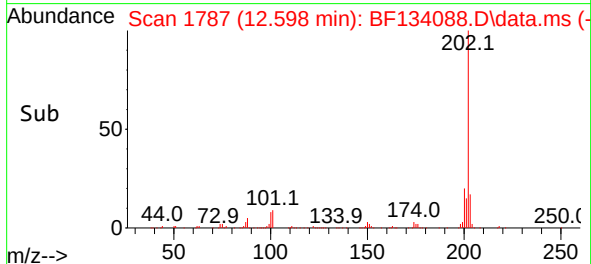
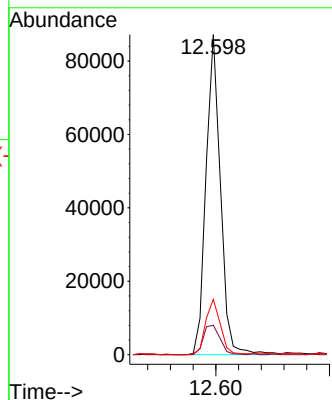
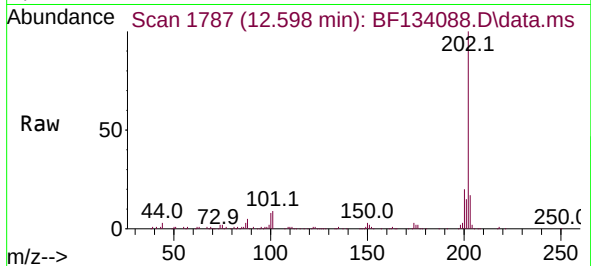




#75
Fluoranthene
Concen: 4.485 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134088.D
Acq: 06 Jul 2023 03:23

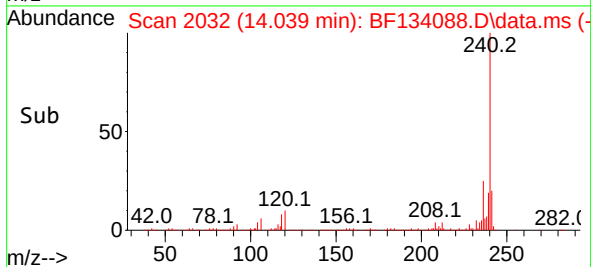
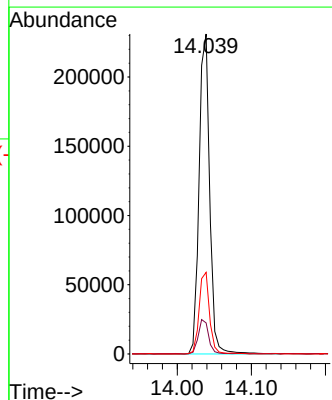
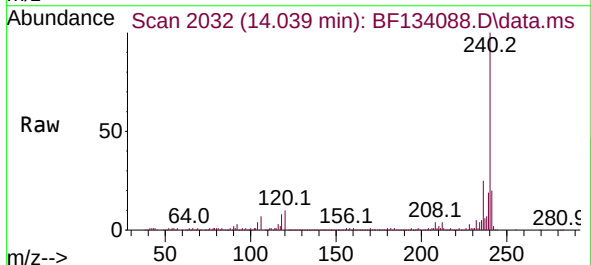
Instrument :
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CMC-EME-TOPSOIL-015

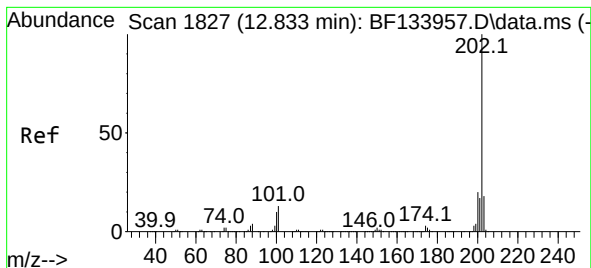
Tgt Ion:202 Resp: 77034
Ion Ratio Lower Upper
202 100
101 9.2 0.0 31.0
203 17.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134088.D
Acq: 06 Jul 2023 03:23

Tgt Ion:240 Resp: 228095
Ion Ratio Lower Upper
240 100
120 9.7 7.4 11.0
236 25.5 21.0 31.6





#78

Pyrene

Concen: 3.070 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF134088.D

Acq: 06 Jul 2023 03:23

Instrument :

BNA_F

ClientSampleId :

CMC-EME-TOPSOIL-015

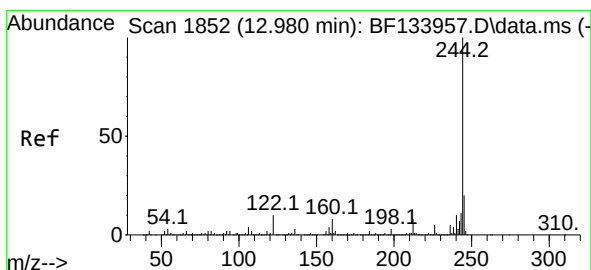
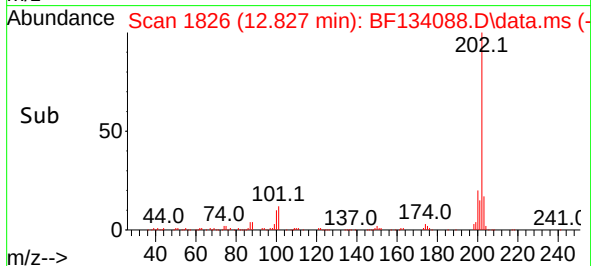
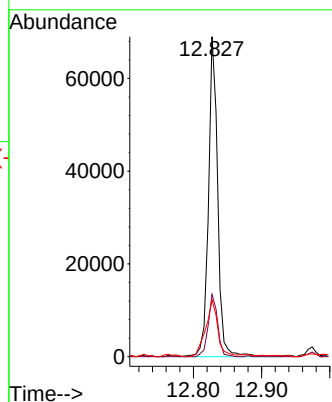
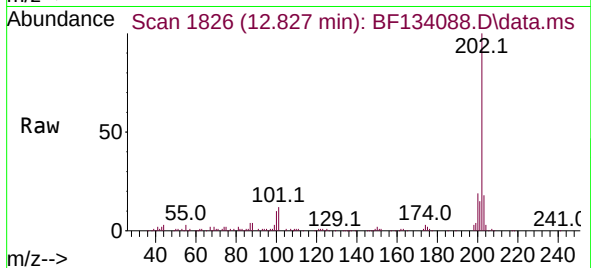
Tgt Ion:202 Resp: 65170

Ion Ratio Lower Upper

202 100

200 19.5 16.1 24.1

203 17.7 14.3 21.5



#79

Terphenyl-d14

Concen: 39.425 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF134088.D

Acq: 06 Jul 2023 03:23

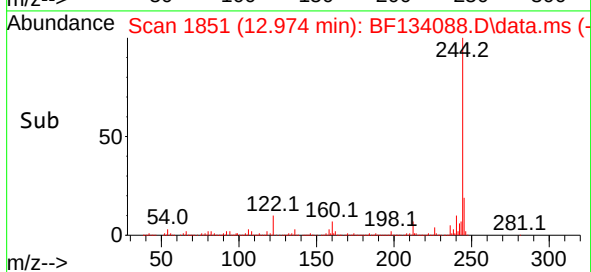
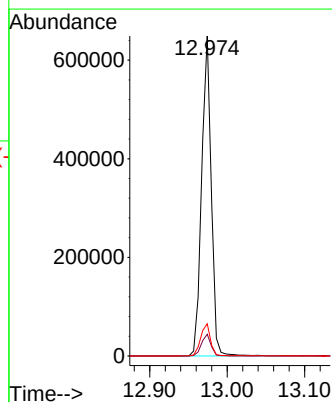
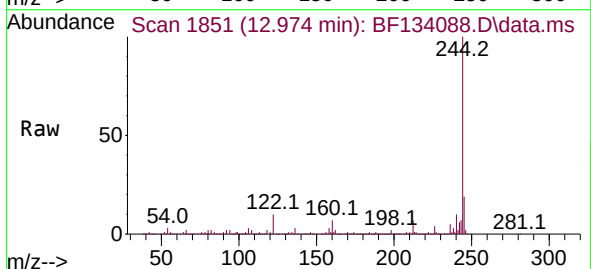
Tgt Ion:244 Resp: 558751

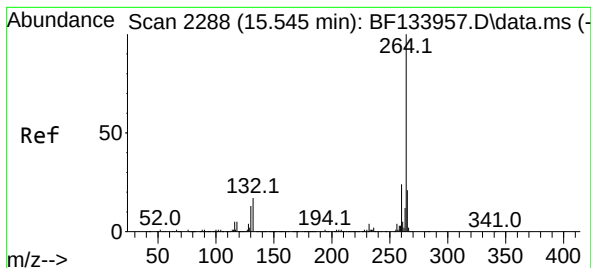
Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 10.1 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134088.D

Acq: 06 Jul 2023 03:23

Instrument :

BNA_F

ClientSampleId :

CMC-EME-TOPSOIL-015

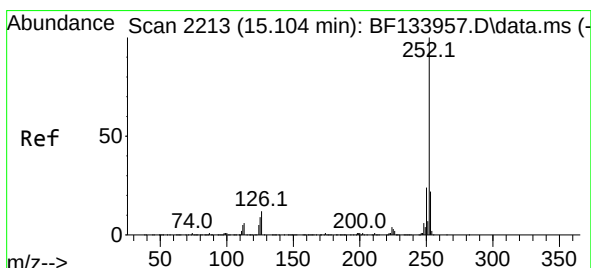
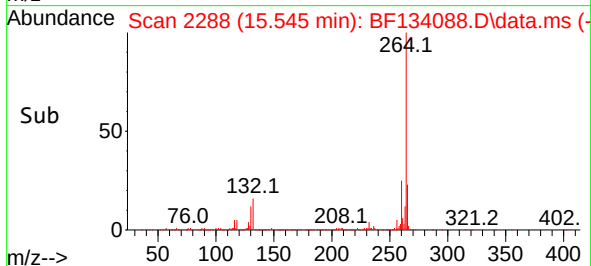
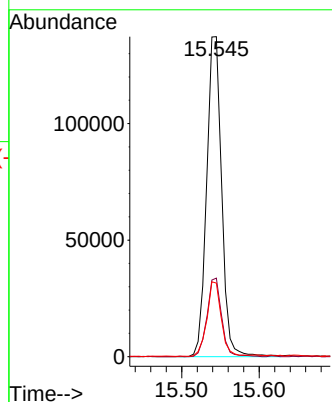
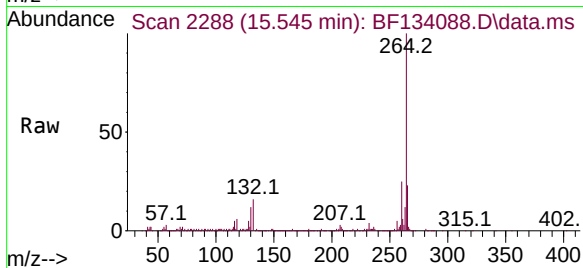
Tgt Ion:264 Resp: 185096

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 23.0 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 2.586 ng m

RT: 15.098 min Scan# 2212

Delta R.T. -0.012 min

Lab File: BF134088.D

Acq: 06 Jul 2023 03:23

Tgt Ion:252 Resp: 28146

Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.0

125 12.7 7.1 10.7#

