

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133857.D
 Acq On : 20 Jun 2023 15:34
 Operator : CG\JU
 Sample : 03223-13 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-11

Quant Time: Jun 21 00:12:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 13:43:46 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

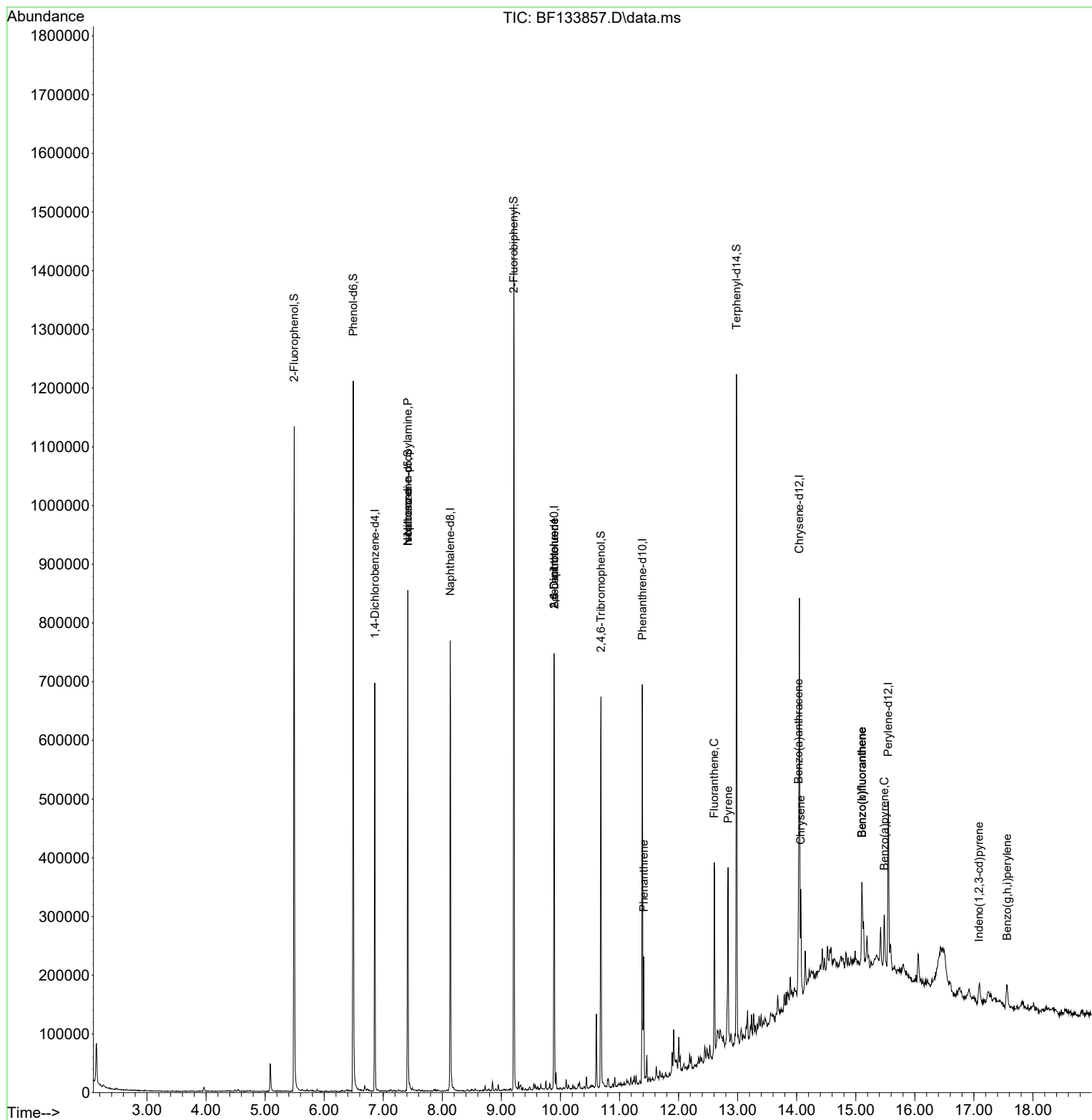
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	87726	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	321477	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	137714	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	226079	20.000	ng	0.00
76) Chrysene-d12	14.045	240	181233	20.000	ng	0.00
86) Perylene-d12	15.551	264	136061	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	278840	55.335	ng	0.00
7) Phenol-d6	6.492	99	325945	49.693	ng	0.00
23) Nitrobenzene-d5	7.416	82	217656	36.877	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	75707	43.430	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	420558	43.411	ng	0.00
79) Terphenyl-d14	12.980	244	372411	31.796	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	31412	7.527	ng	# 75
25) Isophorone	7.416	82	217654	20.086	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	17529	8.262	ng	# 29
57) 2,4-Dinitrotoluene	9.892	165	17529	6.496	ng	# 20
71) Phenanthrene	11.410	178	65842	5.740	ng	99
75) Fluoranthene	12.604	202	135002	11.083	ng	98
78) Pyrene	12.839	202	128513	7.612	ng	98
81) Benzo(a)anthracene	14.033	228	77247	6.162	ng	97
83) Chrysene	14.068	228	68299	5.760	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	26366	2.817	ng	96
88) Benzo(b)fluoranthene	15.104	252	100865	12.204	ng	# 96
89) Benzo(k)fluoranthene	15.104	252	100865	12.528	ng	96
90) Benzo(a)pyrene	15.486	252	47224	6.156	ng	95
92) Benzo(g,h,i)perylene	17.562	276	31036	4.039	ng	93

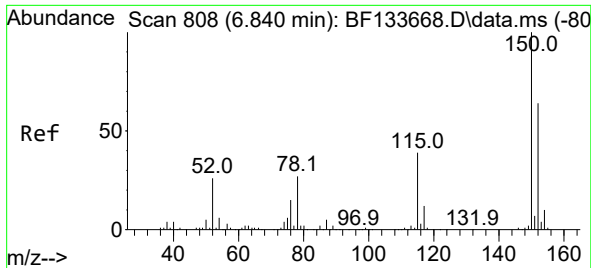
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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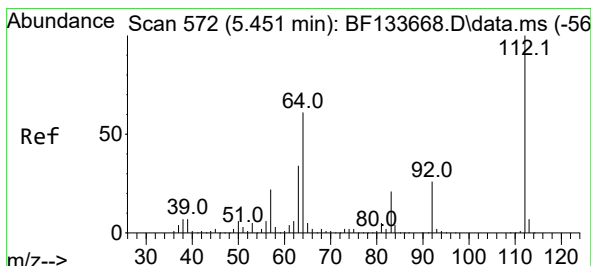
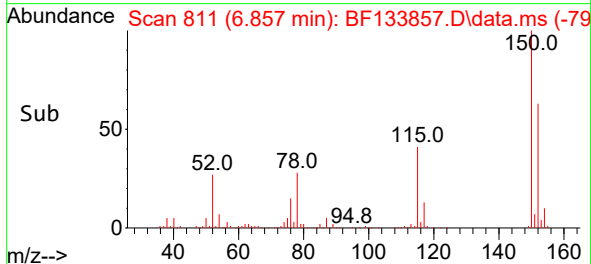
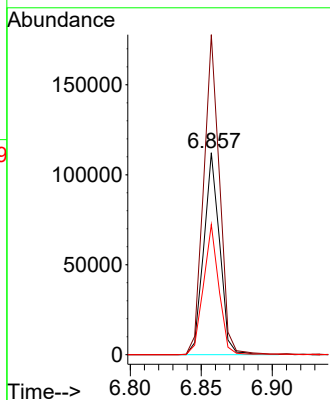
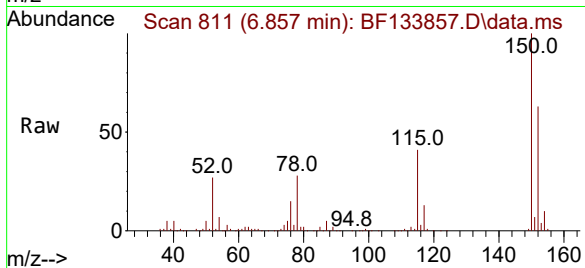




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133857.D
Acq: 20 Jun 2023 15:34

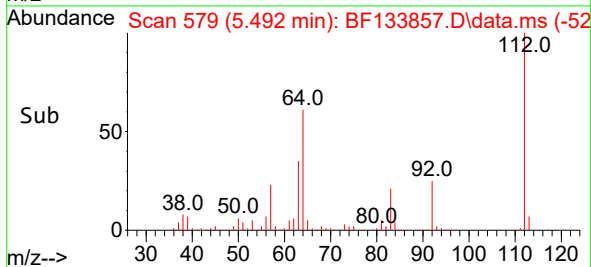
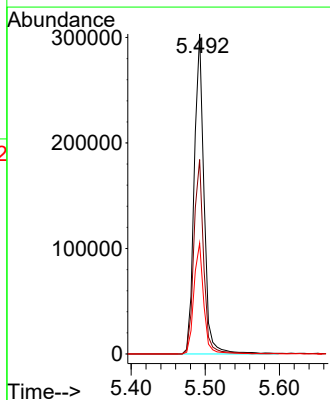
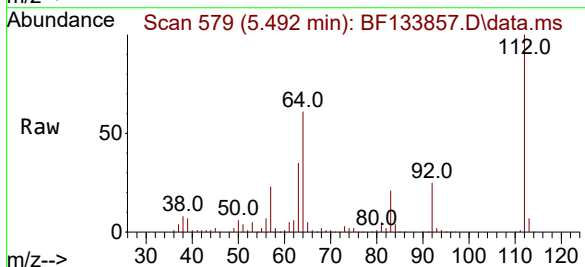
Instrument :
BNA_F
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COMPOSIT-SB-11

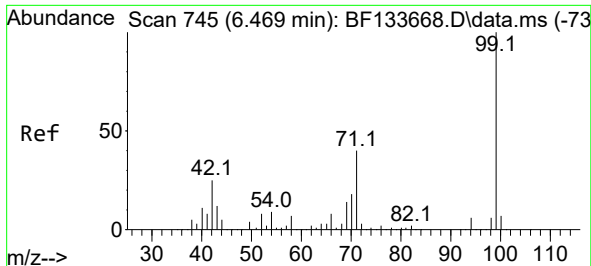
Tgt Ion:152 Resp: 87726
Ion Ratio Lower Upper
152 100
150 158.4 124.3 186.5
115 64.4 48.5 72.7



#5
2-Fluorophenol
Concen: 55.335 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF133857.D
Acq: 20 Jun 2023 15:34

Tgt Ion:112 Resp: 278840
Ion Ratio Lower Upper
112 100
64 60.7 49.0 73.4
63 34.6 26.8 40.2

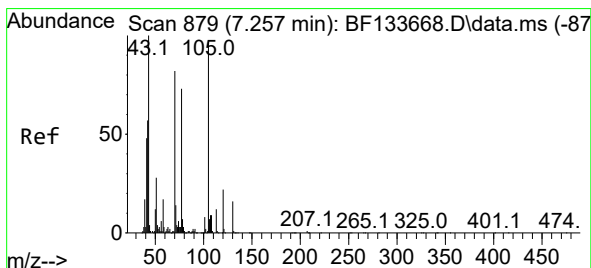
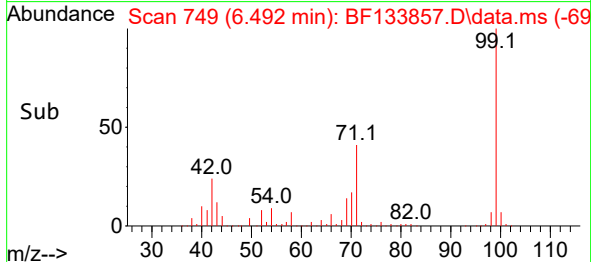
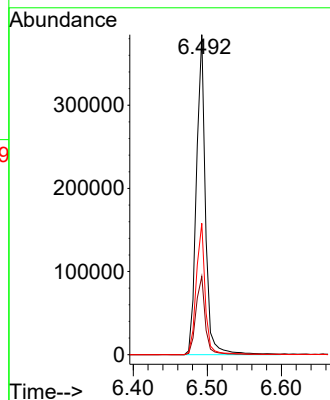
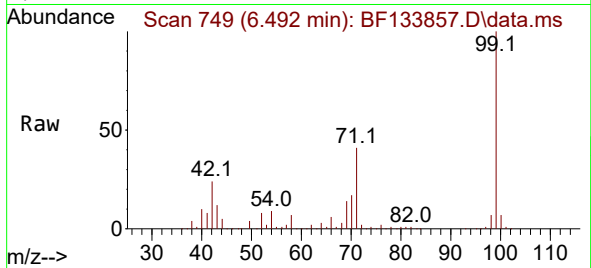




#7
Phenol-d6
Concen: 49.693 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF133857.D
Acq: 20 Jun 2023 15:34

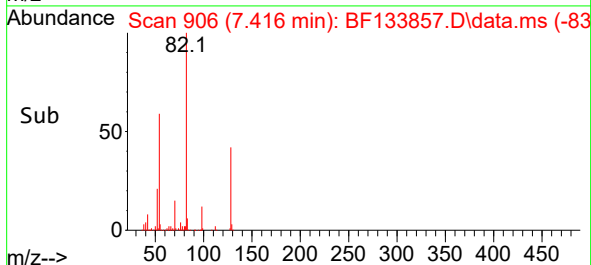
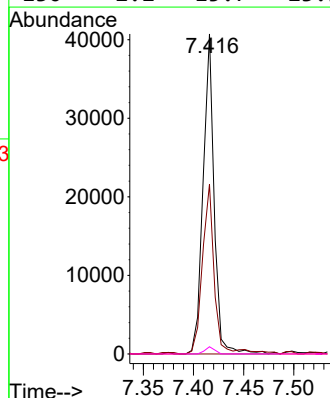
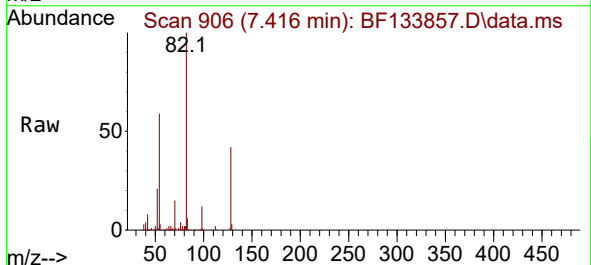
Instrument :
BNA_F
ClientSampleId :
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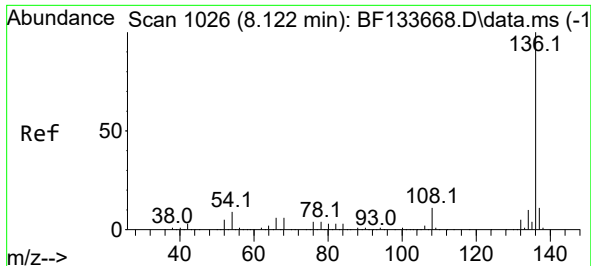
Tgt Ion: 99 Resp: 325945
Ion Ratio Lower Upper
99 100
42 24.5 19.9 29.9
71 41.0 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 7.527 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF133857.D
Acq: 20 Jun 2023 15:34

Tgt Ion: 70 Resp: 31412
Ion Ratio Lower Upper
70 100
42 53.1 55.8 83.8#
101 0.0 8.1 12.1#
130 2.2 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.133 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133857.D

Acq: 20 Jun 2023 15:34

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-11

Tgt Ion:136 Resp: 321477

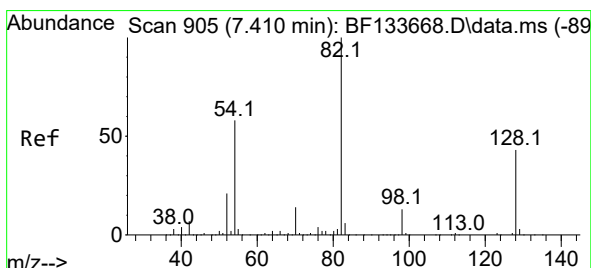
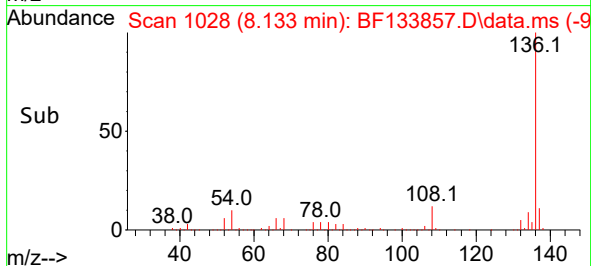
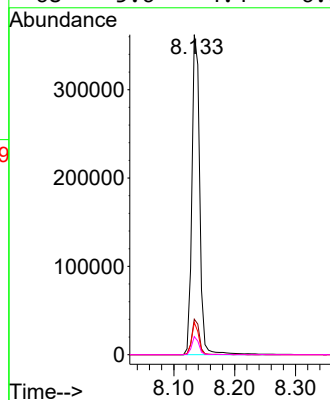
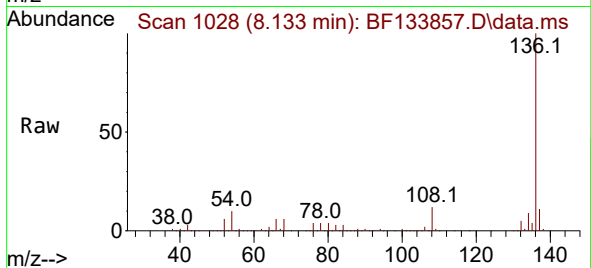
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 10.1 7.4 11.0

68 5.6 4.4 6.6



#23

Nitrobenzene-d5

Concen: 36.877 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF133857.D

Acq: 20 Jun 2023 15:34

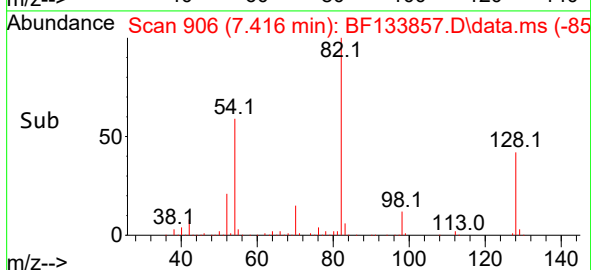
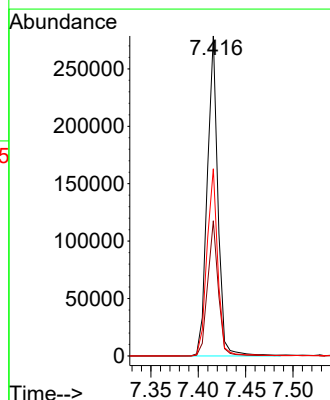
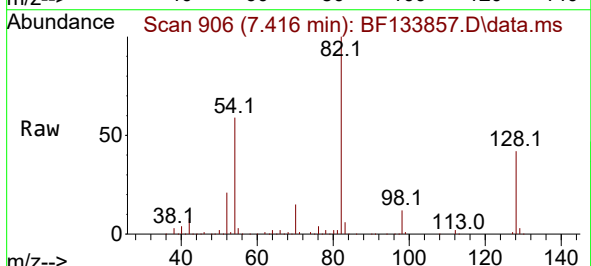
Tgt Ion: 82 Resp: 217656

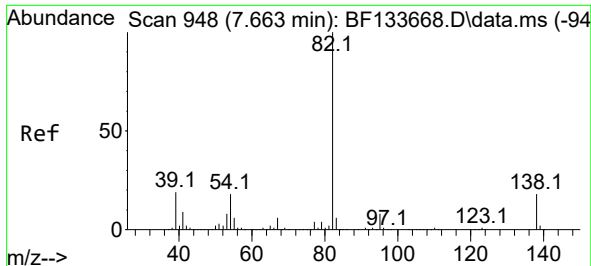
Ion Ratio Lower Upper

82 100

128 42.2 34.2 51.2

54 58.5 46.5 69.7

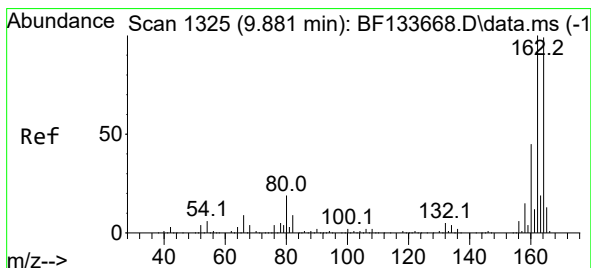
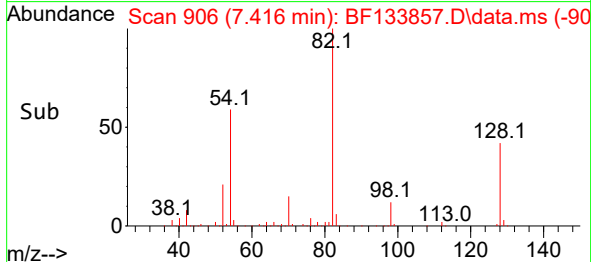
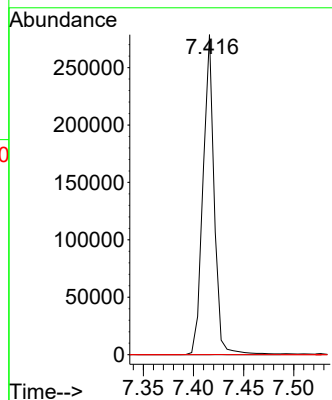
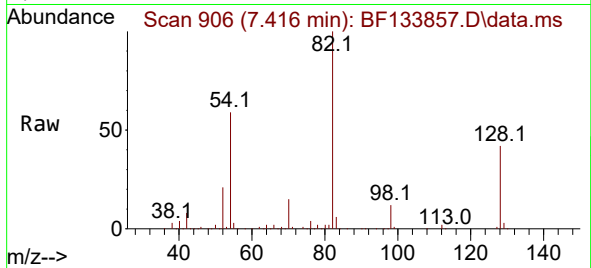




#25
Isophorone
Concen: 20.086 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133857.D
Acq: 20 Jun 2023 15:34

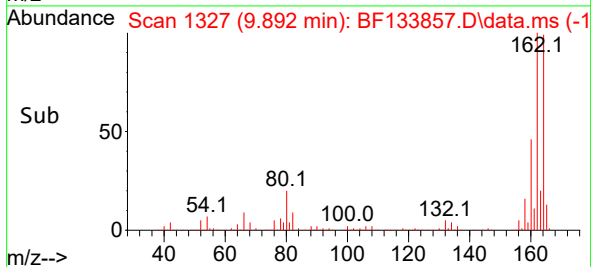
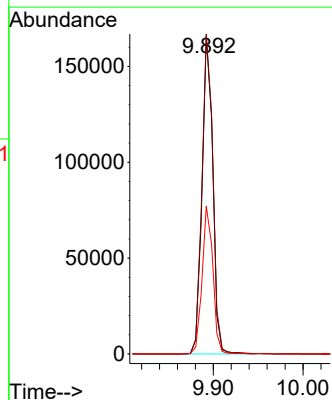
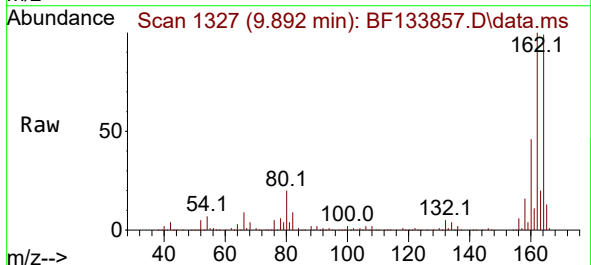
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11

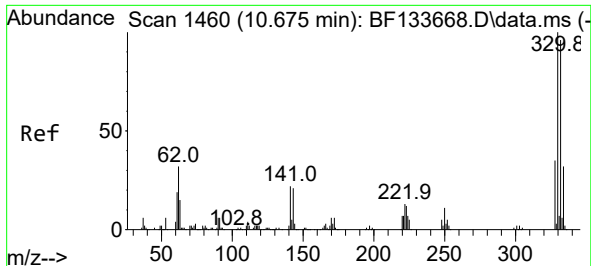
Tgt Ion: 82 Resp: 217654
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133857.D
Acq: 20 Jun 2023 15:34

Tgt Ion:164 Resp: 137714
Ion Ratio Lower Upper
164 100
162 100.7 80.8 121.2
160 46.5 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 43.430 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133857.D

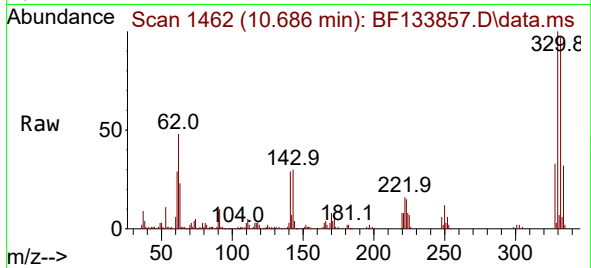
Acq: 20 Jun 2023 15:34

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-11



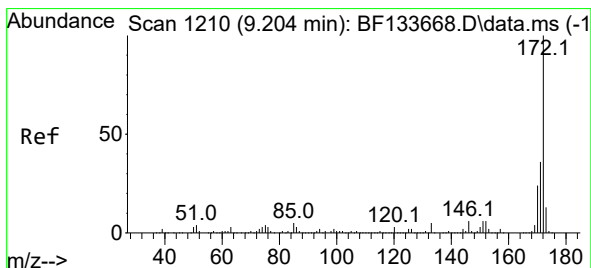
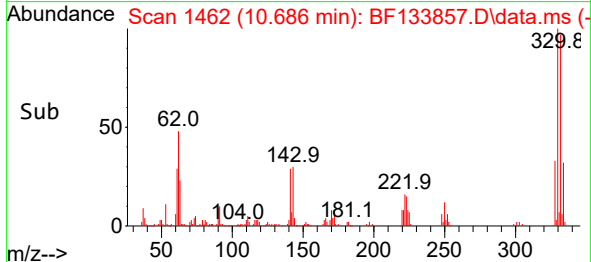
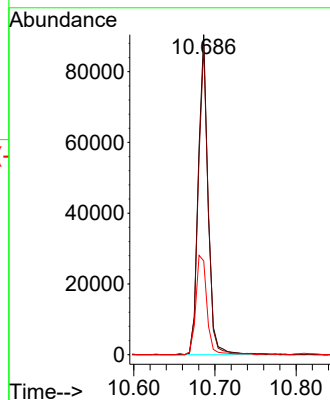
Tgt Ion:330 Resp: 75707

Ion Ratio Lower Upper

330 100

332 96.8 77.2 115.8

141 35.5 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 43.411 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF133857.D

Acq: 20 Jun 2023 15:34

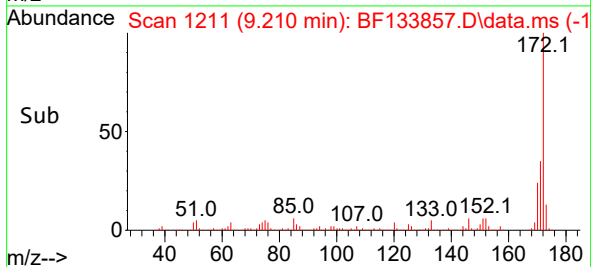
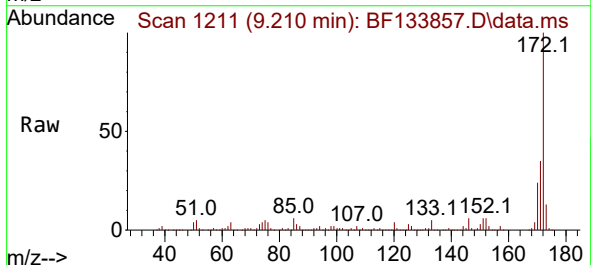
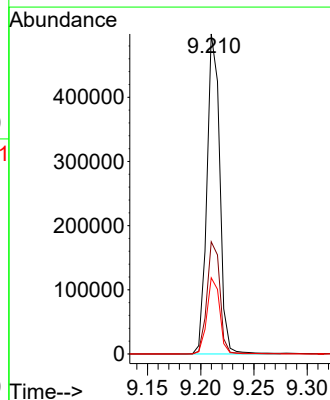
Tgt Ion:172 Resp: 420558

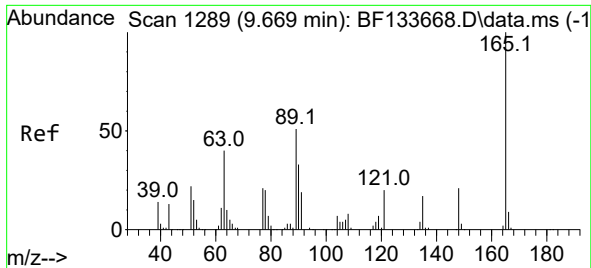
Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

170 23.8 19.1 28.7

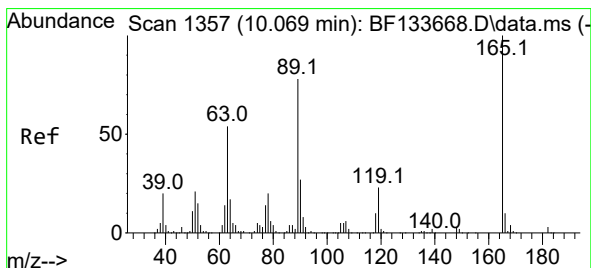
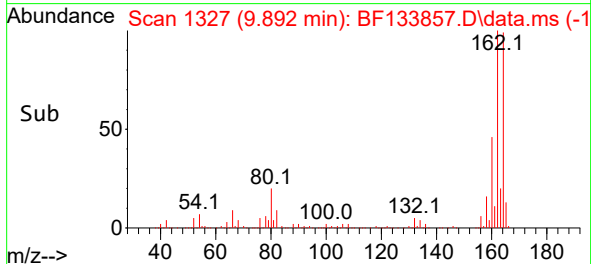
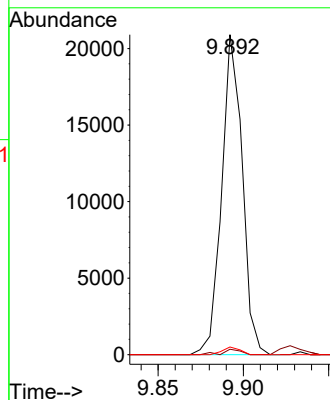
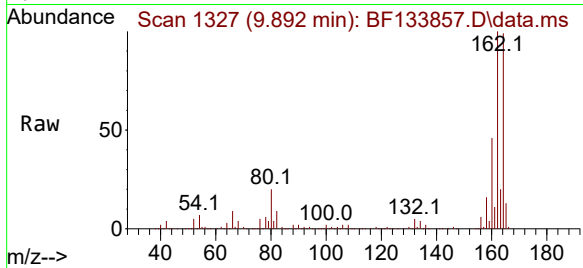




#51
2,6-Dinitrotoluene
Concen: 8.262 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF133857.D
Acq: 20 Jun 2023 15:34

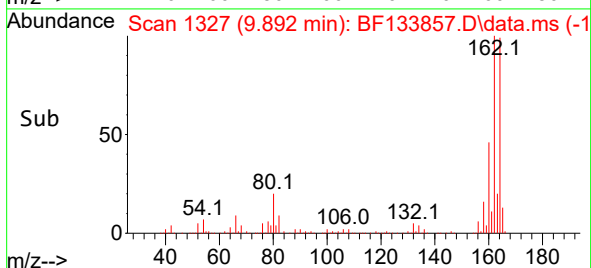
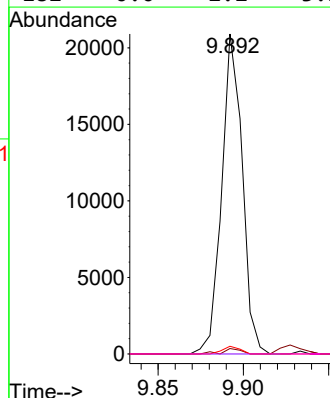
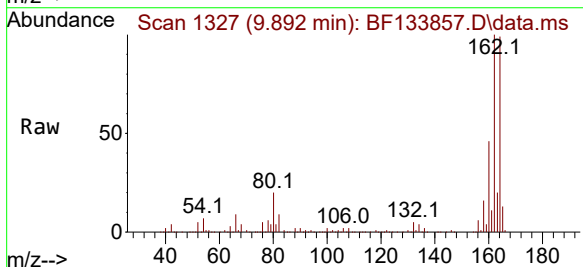
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COMPOSIT-SB-11

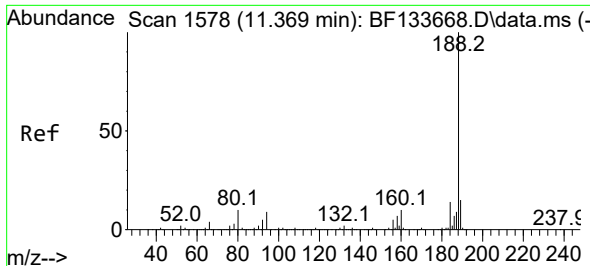
Tgt Ion:165 Resp: 17529
Ion Ratio Lower Upper
165 100
63 1.7 42.1 63.1#
89 2.4 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.496 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.194 min
Lab File: BF133857.D
Acq: 20 Jun 2023 15:34

Tgt Ion:165 Resp: 17529
Ion Ratio Lower Upper
165 100
63 1.7 43.0 64.6#
89 2.4 62.6 93.8#
182 0.0 2.2 3.2#

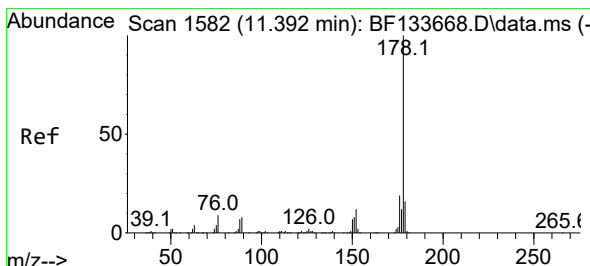
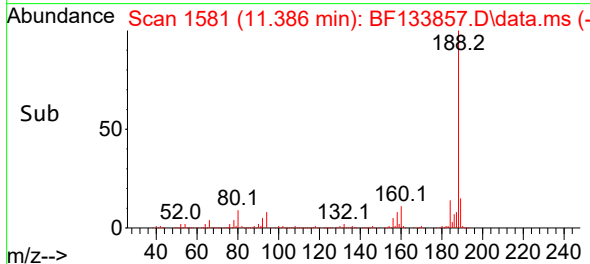
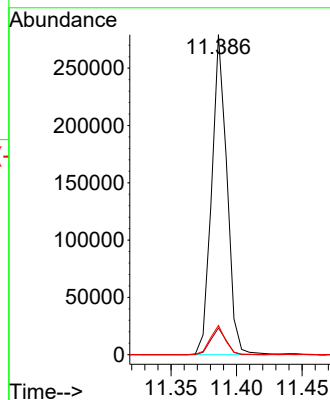
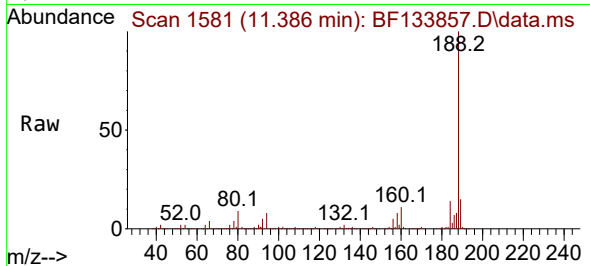




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF133857.D
Acq: 20 Jun 2023 15:34

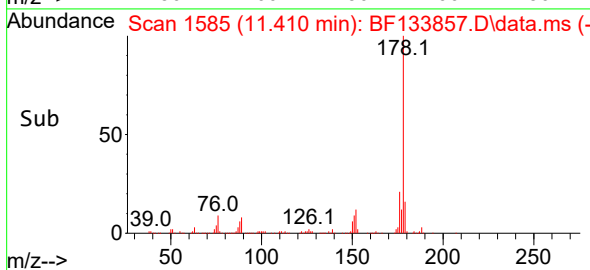
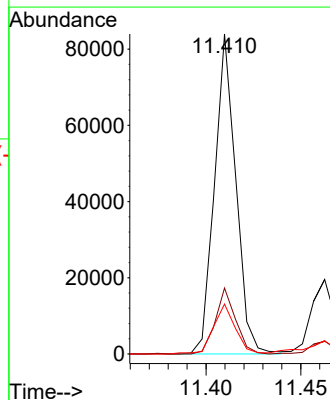
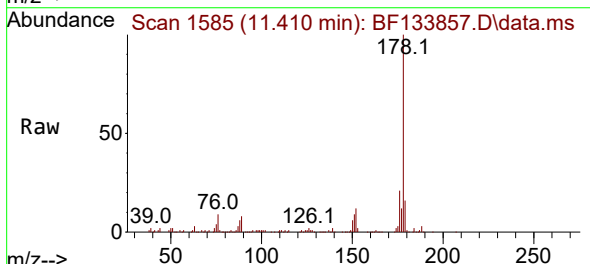
Instrument :
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COMPOSIT-SB-11

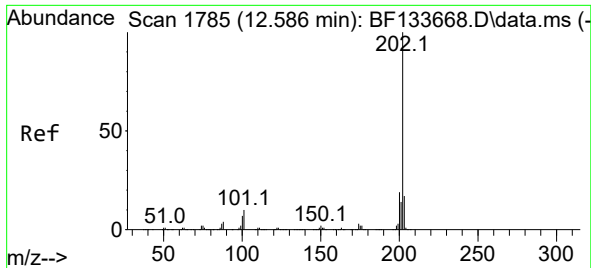
Tgt Ion:188 Resp: 226079
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 9.1 7.8 11.6



#71
Phenanthrene
Concen: 5.740 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF133857.D
Acq: 20 Jun 2023 15:34

Tgt Ion:178 Resp: 65842
Ion Ratio Lower Upper
178 100
176 20.6 15.6 23.4
179 15.6 12.4 18.6

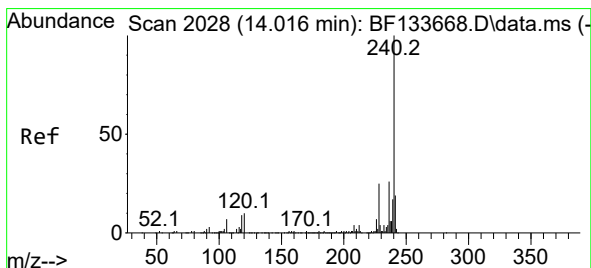
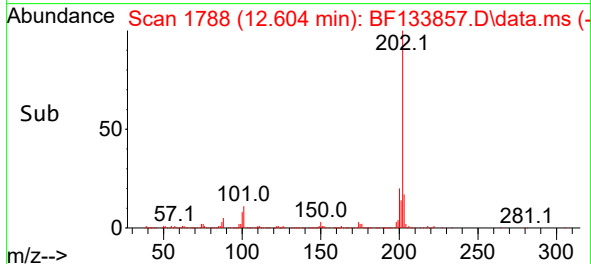
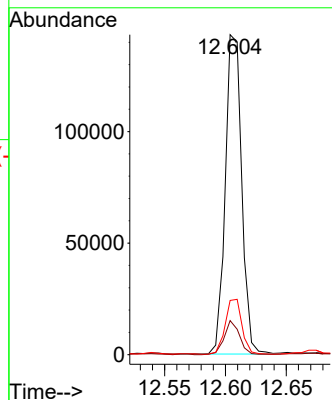
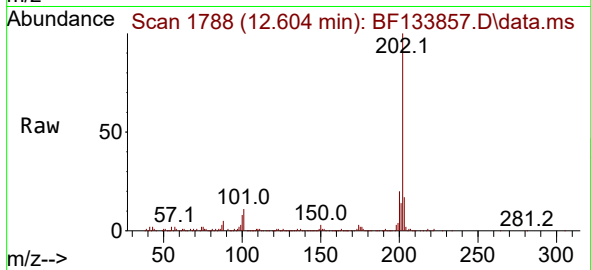




#75
Fluoranthene
Concen: 11.083 ng
RT: 12.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133857.D
Acq: 20 Jun 2023 15:34

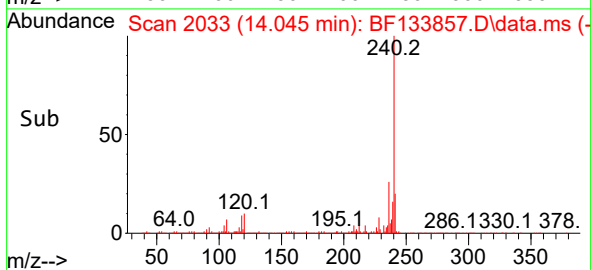
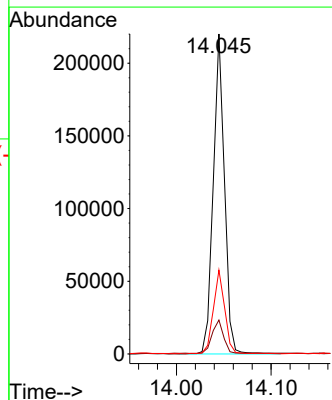
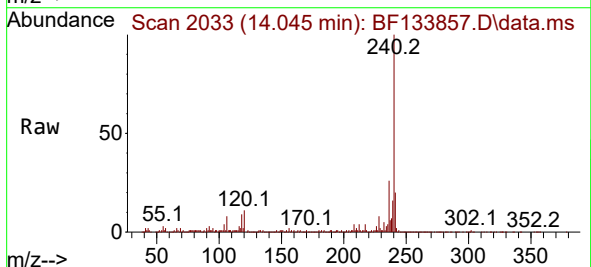
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11

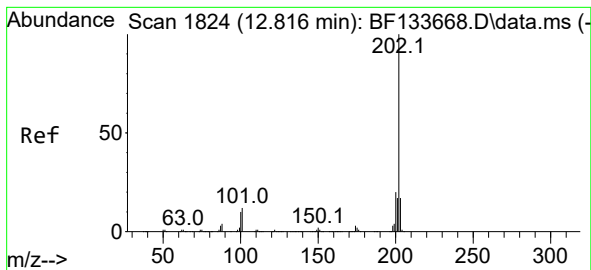
Tgt Ion:202 Resp: 135002
Ion Ratio Lower Upper
202 100
101 10.7 0.0 29.6
203 17.0 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF133857.D
Acq: 20 Jun 2023 15:34

Tgt Ion:240 Resp: 181233
Ion Ratio Lower Upper
240 100
120 10.6 8.1 12.1
236 26.2 20.5 30.7





#78

Pyrene

Concen: 7.612 ng

RT: 12.839 min Scan# 1824

Delta R.T. -0.000 min

Lab File: BF133857.D

Acq: 20 Jun 2023 15:34

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-11

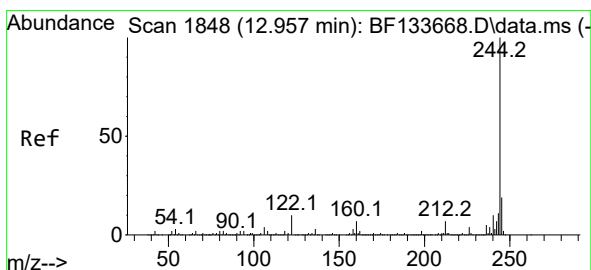
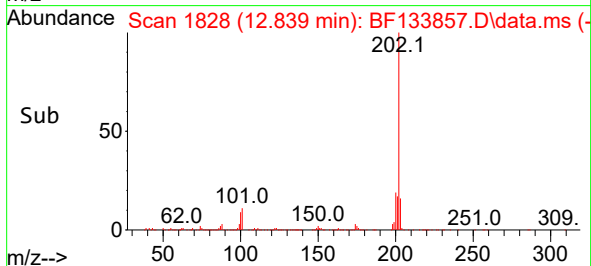
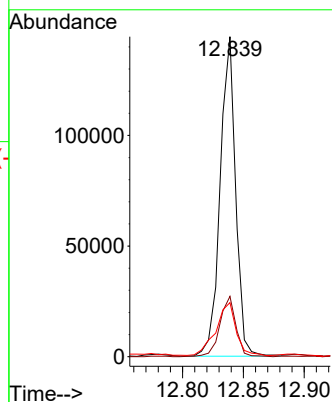
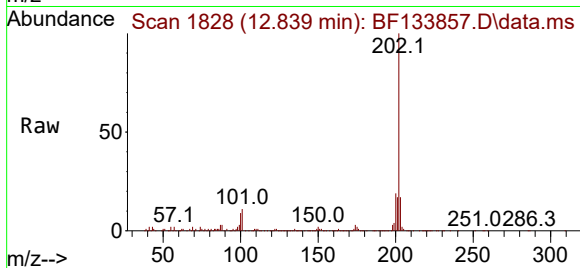
Tgt Ion:202 Resp: 128513

Ion Ratio Lower Upper

202 100

200 18.9 16.2 24.2

203 16.9 13.9 20.9



#79

Terphenyl-d14

Concen: 31.796 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF133857.D

Acq: 20 Jun 2023 15:34

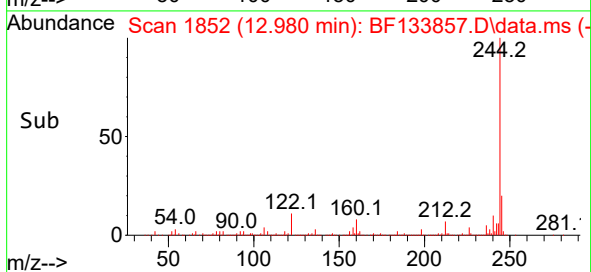
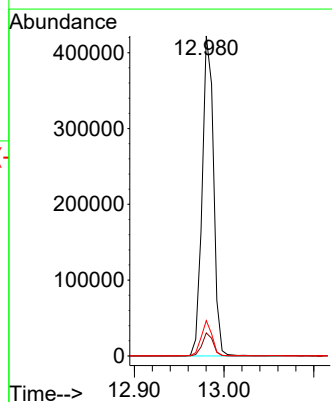
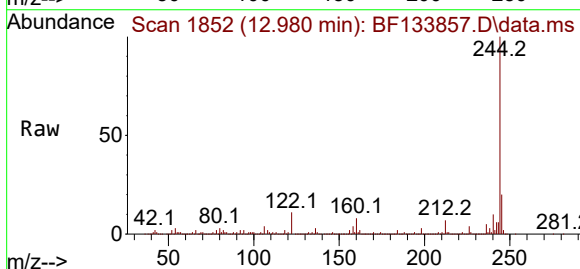
Tgt Ion:244 Resp: 372411

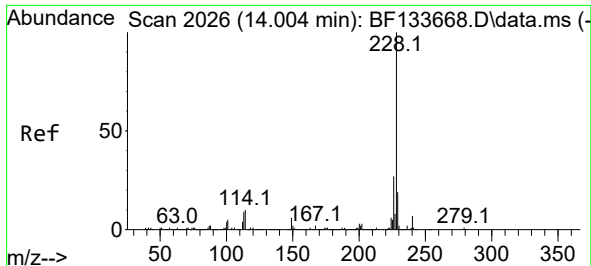
Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

122 11.1 8.1 12.1

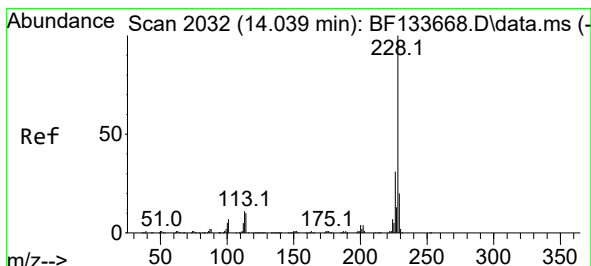
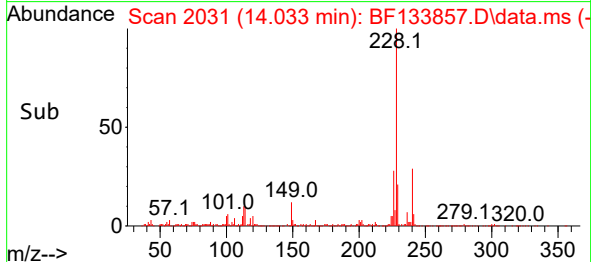
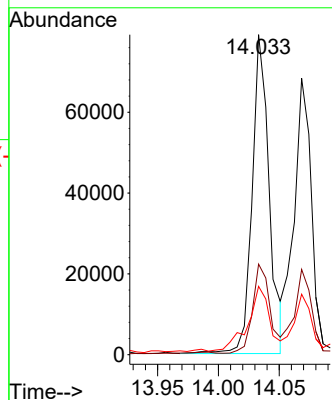
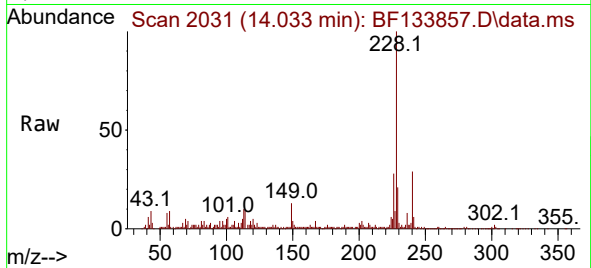




#81
Benzo(a)anthracene
Concen: 6.162 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF133857.D
Acq: 20 Jun 2023 15:34

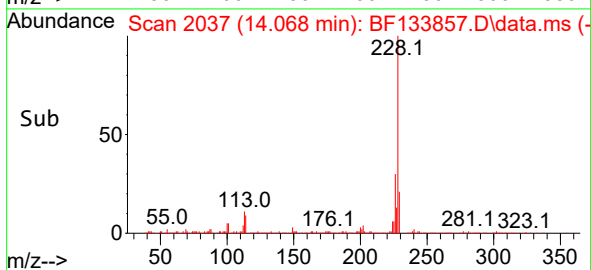
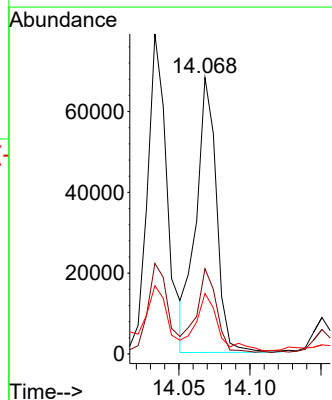
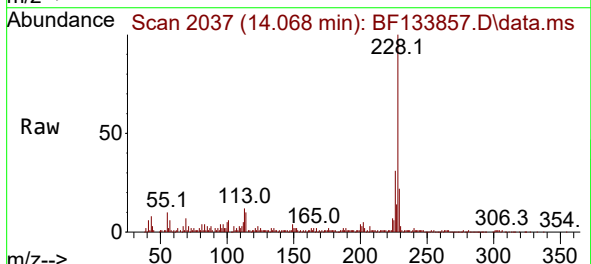
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11

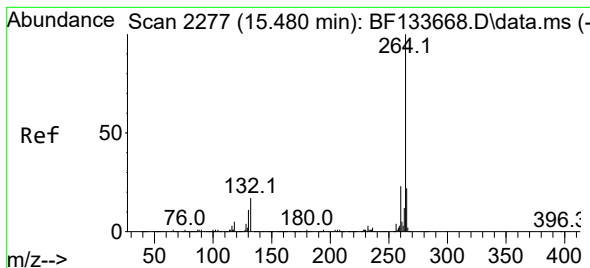
Tgt Ion:228 Resp: 77247
Ion Ratio Lower Upper
228 100
226 28.3 21.7 32.5
229 21.3 15.4 23.2



#83
Chrysene
Concen: 5.760 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF133857.D
Acq: 20 Jun 2023 15:34

Tgt Ion:228 Resp: 68299
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 21.9 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133857.D

Acq: 20 Jun 2023 15:34

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-11

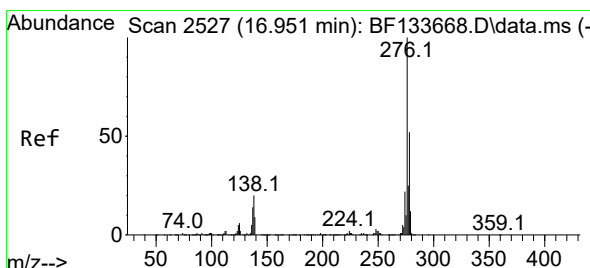
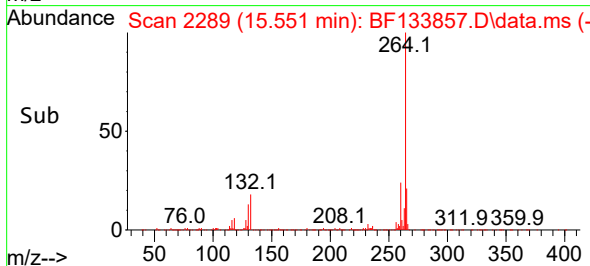
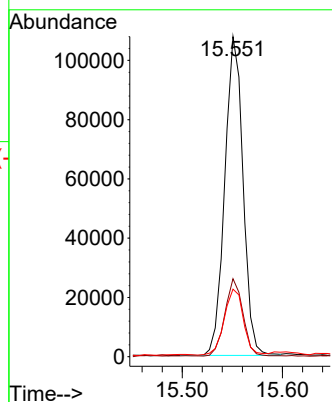
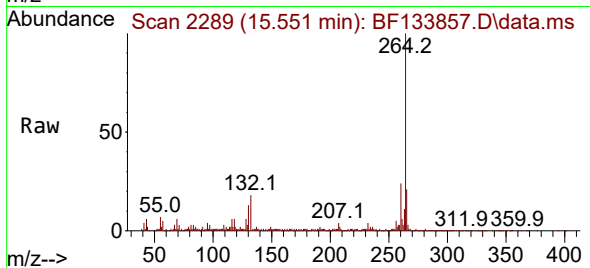
Tgt Ion:264 Resp: 136061

Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.2

265 21.1 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.817 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.012 min

Lab File: BF133857.D

Acq: 20 Jun 2023 15:34

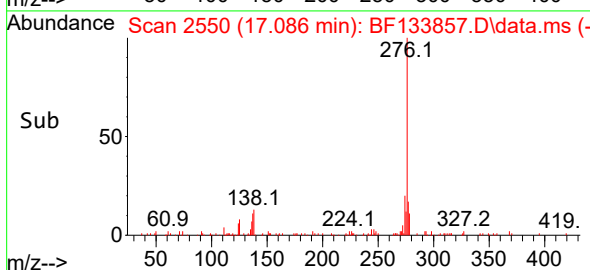
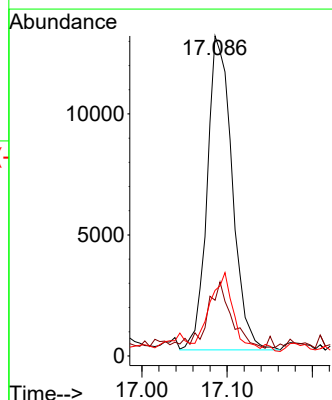
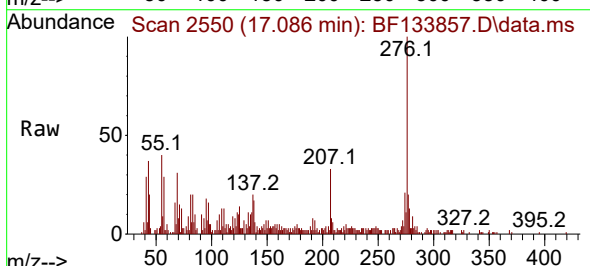
Tgt Ion:276 Resp: 26366

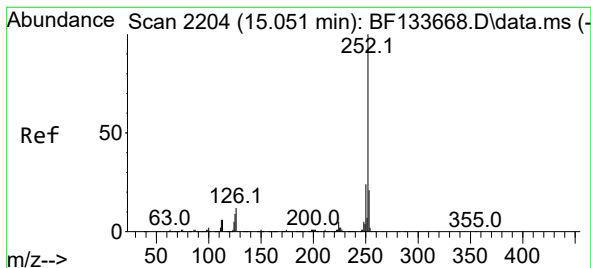
Ion Ratio Lower Upper

276 100

138 20.5 17.9 26.9

277 23.0 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 12.204 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.000 min

Lab File: BF133857.D

Acq: 20 Jun 2023 15:34

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-11

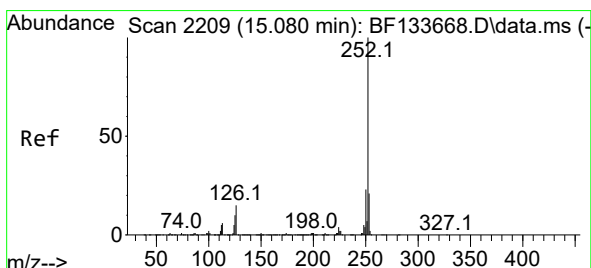
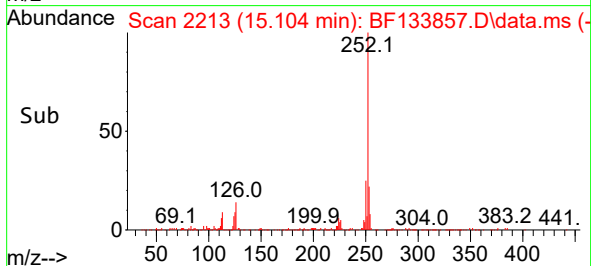
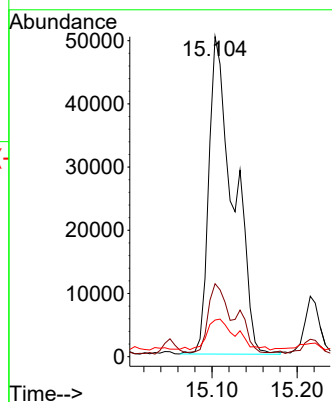
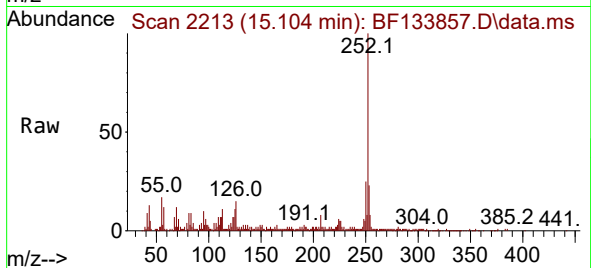
Tgt Ion:252 Resp: 100865

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

125 11.4 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 12.528 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.029 min

Lab File: BF133857.D

Acq: 20 Jun 2023 15:34

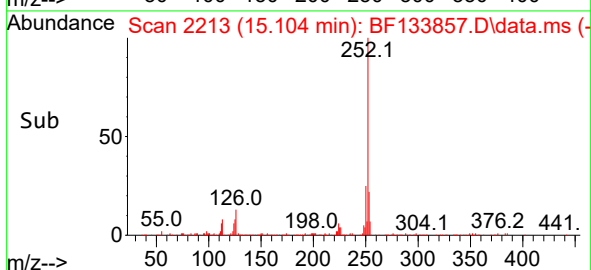
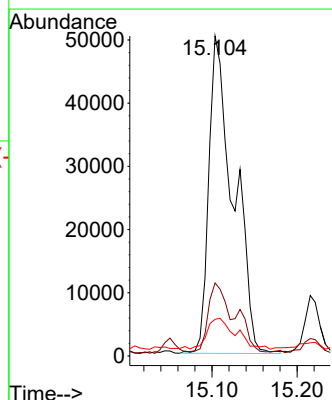
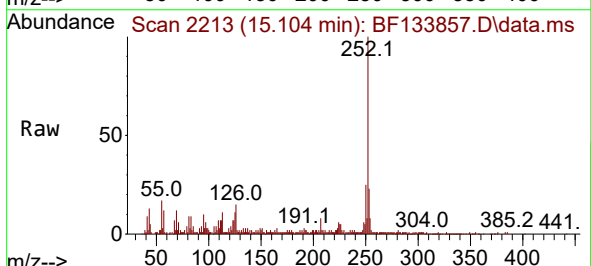
Tgt Ion:252 Resp: 100865

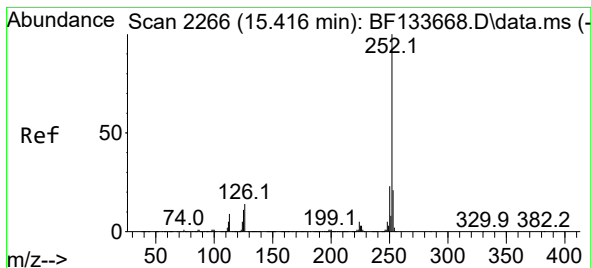
Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

125 11.4 7.8 11.6





#90

Benzo(a)pyrene

Concen: 6.156 ng

RT: 15.486 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133857.D

Acq: 20 Jun 2023 15:34

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-11

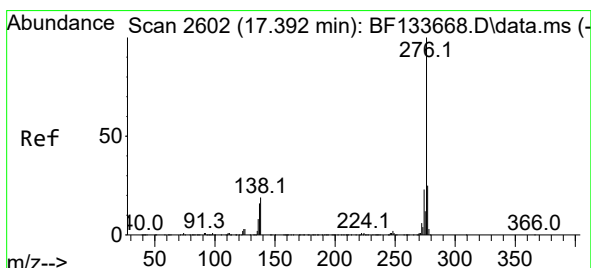
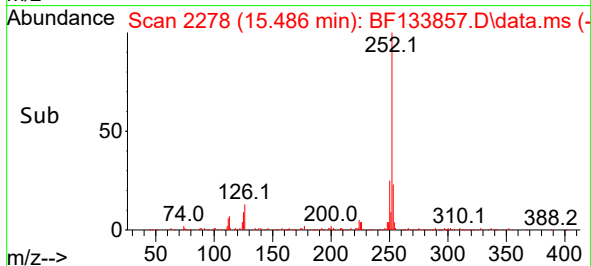
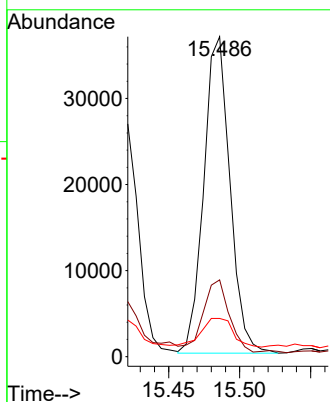
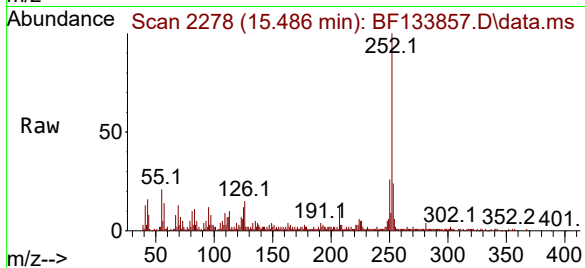
Tgt Ion:252 Resp: 47224

Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

125 12.0 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 4.039 ng

RT: 17.562 min Scan# 2631

Delta R.T. -0.012 min

Lab File: BF133857.D

Acq: 20 Jun 2023 15:34

Tgt Ion:276 Resp: 31036

Ion Ratio Lower Upper

276 100

277 20.7 19.8 29.8

138 21.0 15.0 22.4

