

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133862.D
 Acq On : 20 Jun 2023 18:21
 Operator : CG\JU
 Sample : 03224-07 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-10RE

Quant Time: Jun 21 00:13:44 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)

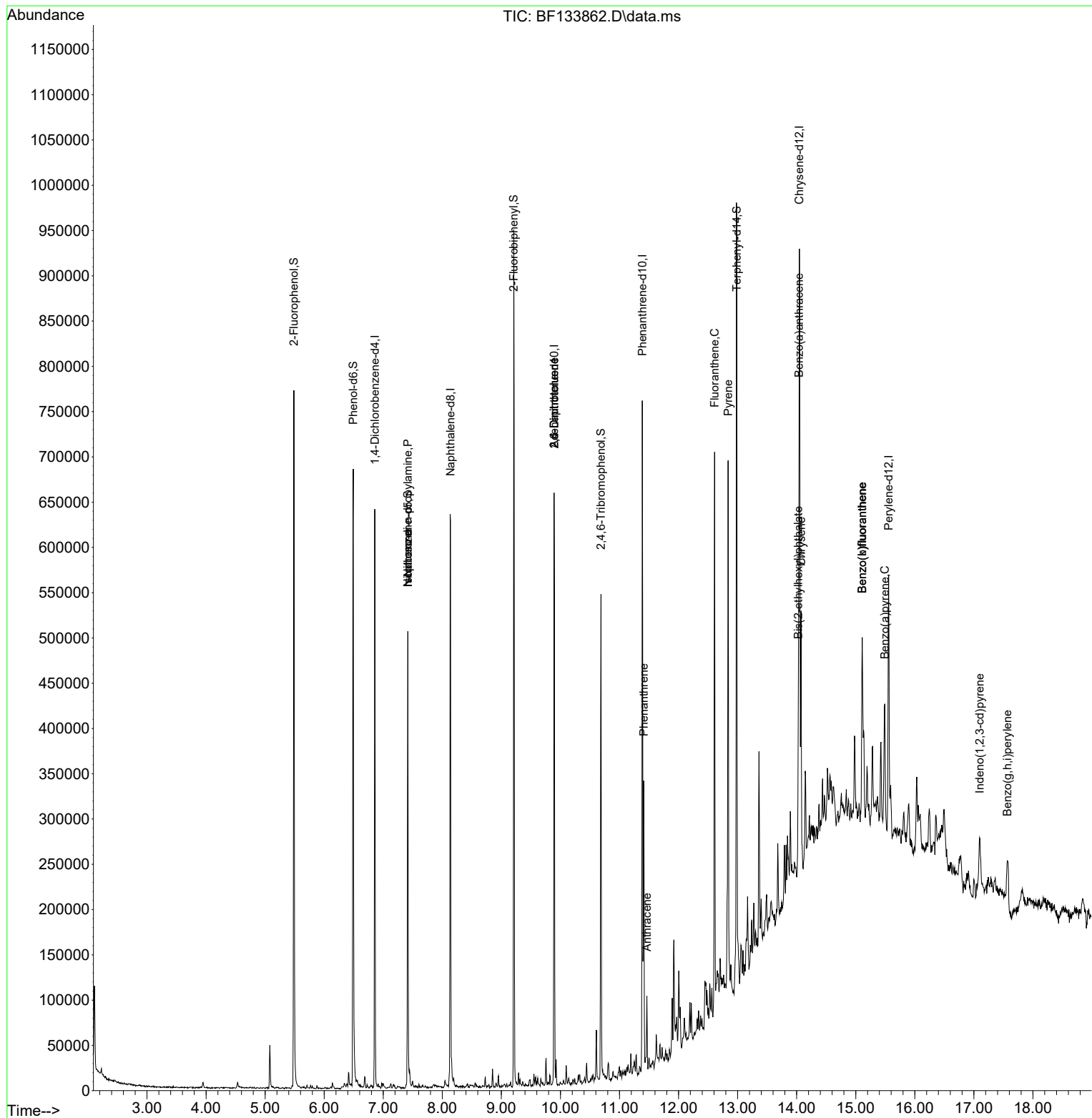
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	81709	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	283812	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	122801	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	250759	20.000	ng	0.00
76) Chrysene-d12	14.045	240	191395	20.000	ng	0.00
86) Perylene-d12	15.557	264	137660	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	189779	40.435	ng	0.00
7) Phenol-d6	6.492	99	219546	35.936	ng	0.00
23) Nitrobenzene-d5	7.416	82	134735	25.857	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	57738	37.144	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	263635	30.518	ng	0.00
79) Terphenyl-d14	12.986	244	312504	25.265	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	18760	4.826	ng	# 81
25) Isophorone	7.416	82	134734	14.084	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	16856	8.909	ng	# 28
57) 2,4-Dinitrotoluene	9.892	165	16856	7.005	ng	# 20
71) Phenanthrene	11.410	178	109909	8.639	ng	99
72) Anthracene	11.463	178	27944	2.107	ng	97
75) Fluoranthene	12.610	202	239764	17.747	ng	99
78) Pyrene	12.839	202	232433	13.037	ng	99
81) Benzo(a)anthracene	14.039	228	111944	8.456	ng	97
83) Chrysene	14.074	228	108719	8.683	ng	96
84) Bis(2-ethylhexyl)phtha...	14.027	149	33988	3.667	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	42422	4.479	ng	97
88) Benzo(b)fluoranthene	15.110	252	145565	17.407	ng	# 93
89) Benzo(k)fluoranthene	15.110	252	145565	17.870	ng	# 94
90) Benzo(a)pyrene	15.492	252	69269	8.925	ng	96
92) Benzo(g,h,i)perylene	17.568	276	41772	5.373	ng	# 95

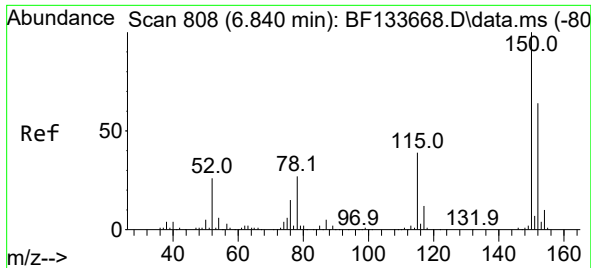
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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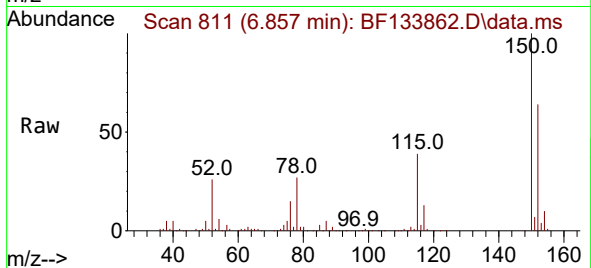
Quant Time: Jun 21 00:13:44 2023
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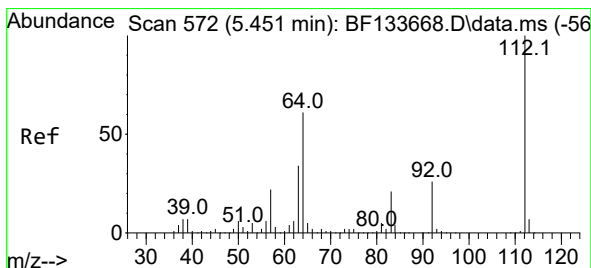
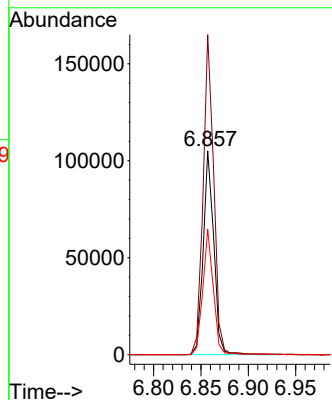
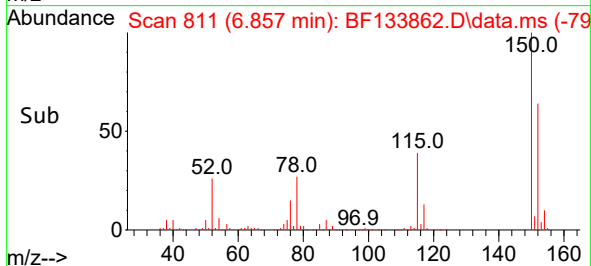


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133862.D
Acq: 20 Jun 2023 18:21

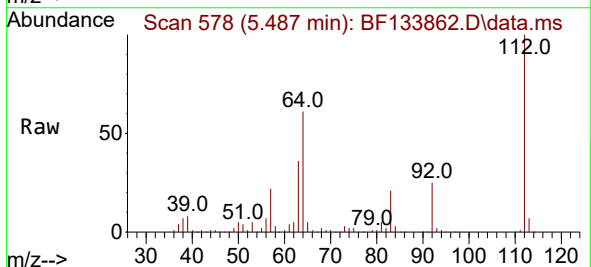
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-10RE



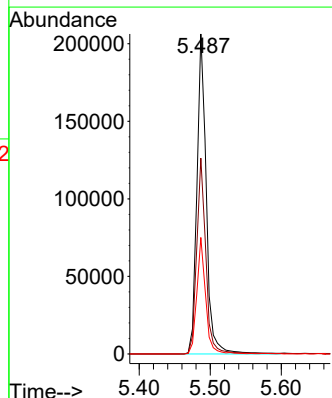
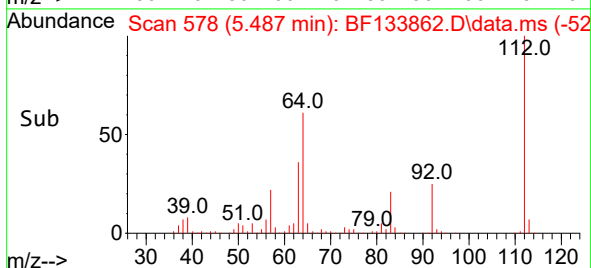
Tgt Ion:152 Resp: 81709
Ion Ratio Lower Upper
152 100
150 157.0 124.3 186.5
115 61.6 48.5 72.7

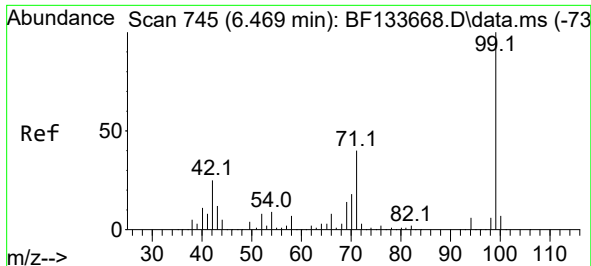


#5
2-Fluorophenol
Concen: 40.435 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF133862.D
Acq: 20 Jun 2023 18:21



Tgt Ion:112 Resp: 189779
Ion Ratio Lower Upper
112 100
64 61.2 49.0 73.4
63 36.4 26.8 40.2

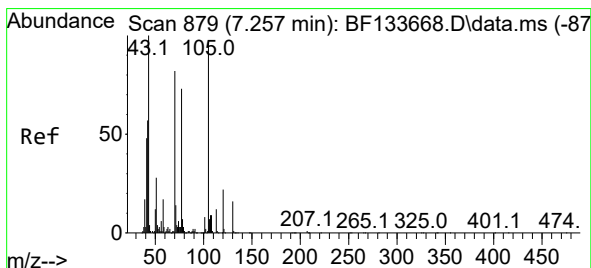
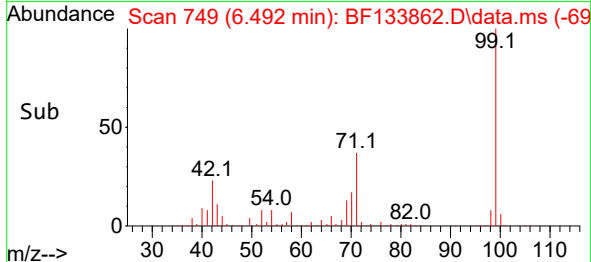
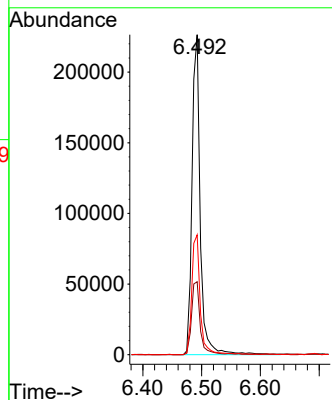
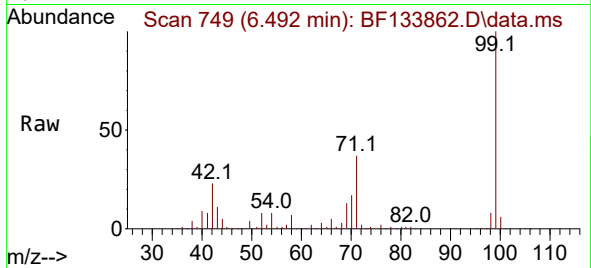




#7
Phenol-d6
Concen: 35.936 ng
RT: 6.492 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF133862.D
Acq: 20 Jun 2023 18:21

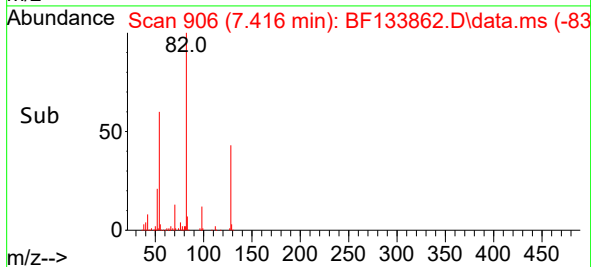
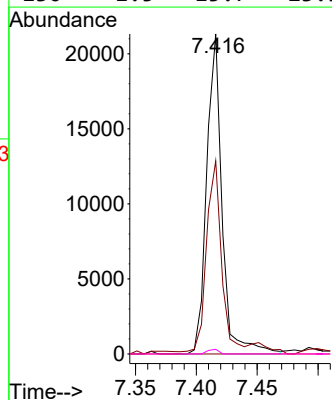
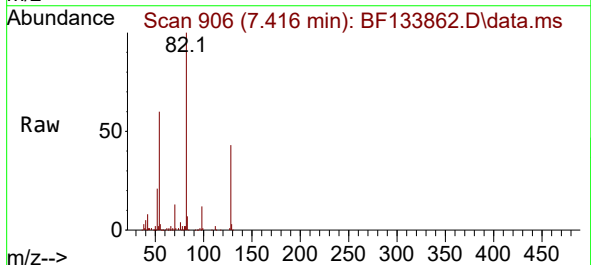
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-10RE

Tgt Ion: 99 Resp: 219546
Ion Ratio Lower Upper
99 100
42 22.8 19.9 29.9
71 37.5 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.826 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF133862.D
Acq: 20 Jun 2023 18:21

Tgt Ion: 70 Resp: 18760
Ion Ratio Lower Upper
70 100
42 60.4 55.8 83.8
101 0.0 8.1 12.1#
130 1.5 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.139 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133862.D

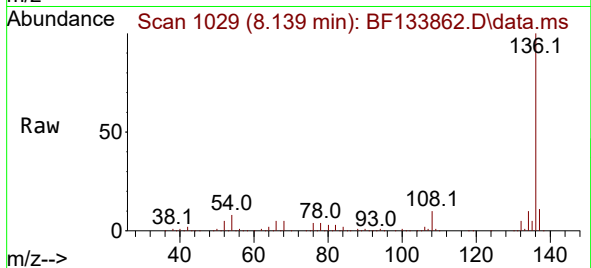
Acq: 20 Jun 2023 18:21

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-10RE



Tgt Ion:136 Resp: 283812

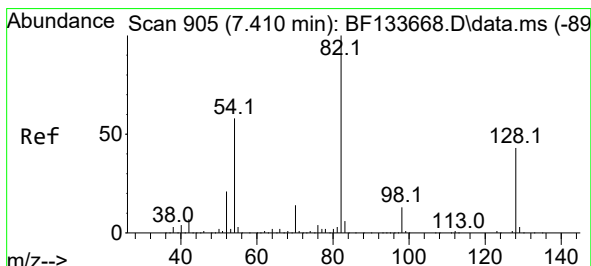
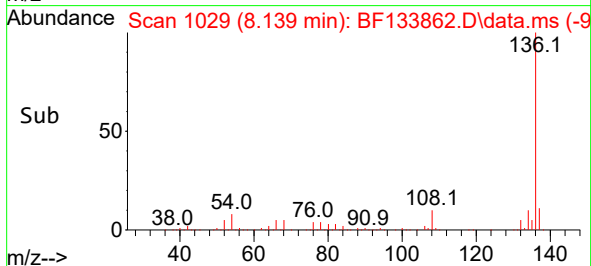
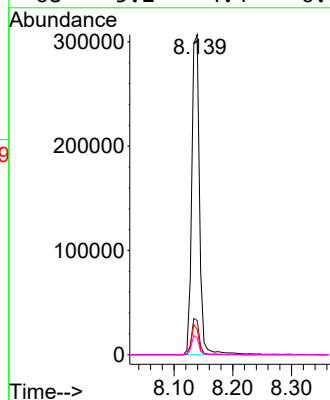
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 7.9 7.4 11.0

68 5.2 4.4 6.6



#23

Nitrobenzene-d5

Concen: 25.857 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF133862.D

Acq: 20 Jun 2023 18:21

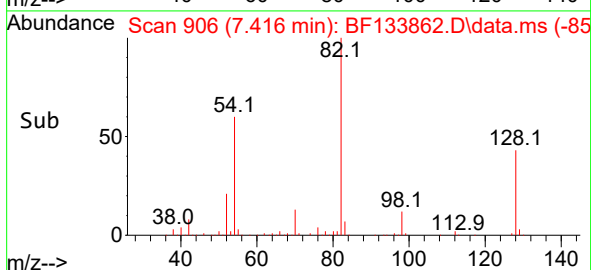
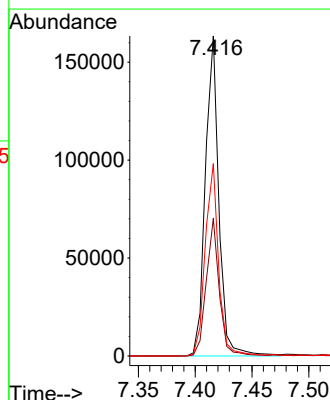
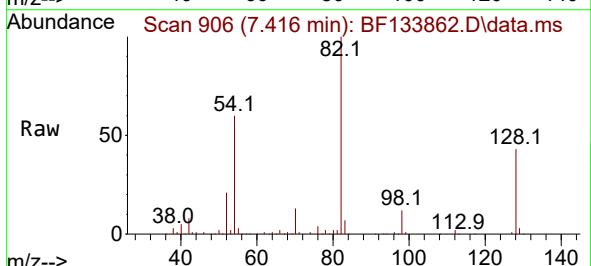
Tgt Ion: 82 Resp: 134735

Ion Ratio Lower Upper

82 100

128 43.0 34.2 51.2

54 60.1 46.5 69.7

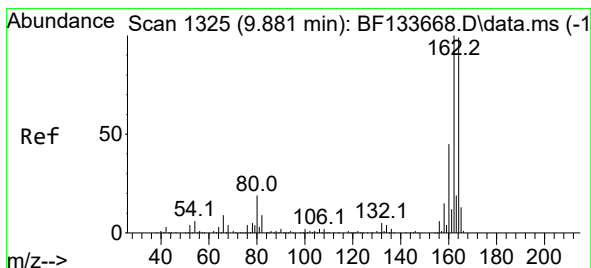
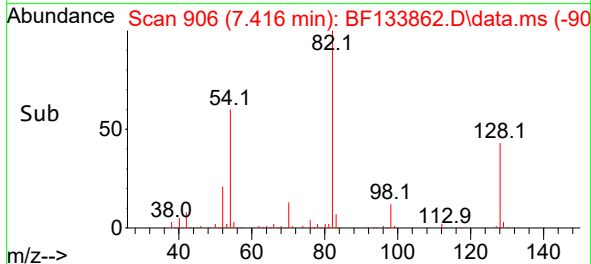
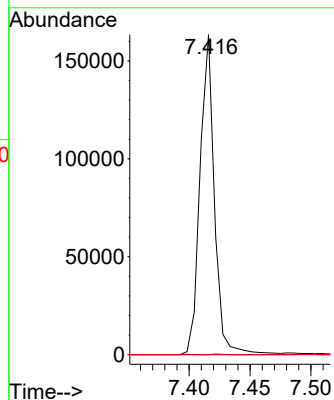
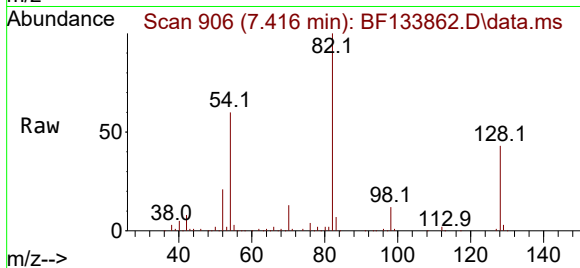




#25
Isophorone
Concen: 14.084 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133862.D
Acq: 20 Jun 2023 18:21

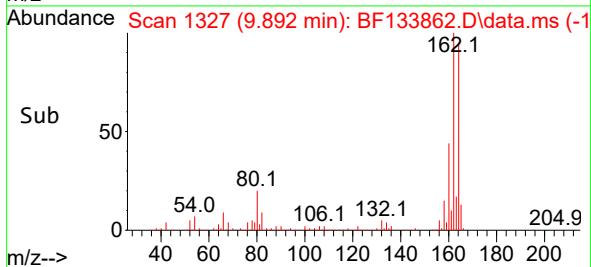
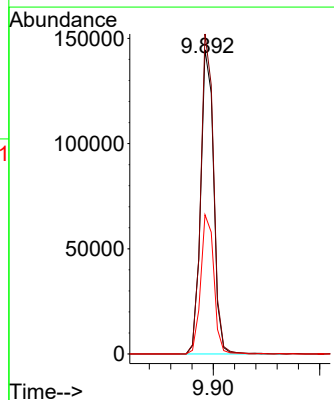
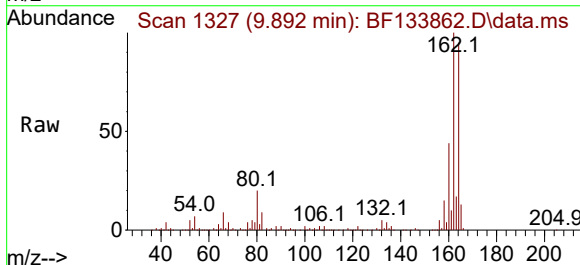
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-10RE

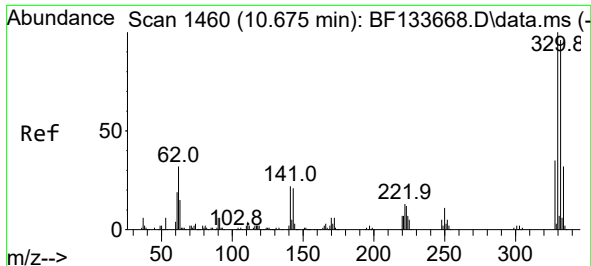
Tgt Ion: 82 Resp: 134734
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133862.D
Acq: 20 Jun 2023 18:21

Tgt Ion:164 Resp: 122801
Ion Ratio Lower Upper
164 100
162 105.2 80.8 121.2
160 45.8 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 37.144 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133862.D

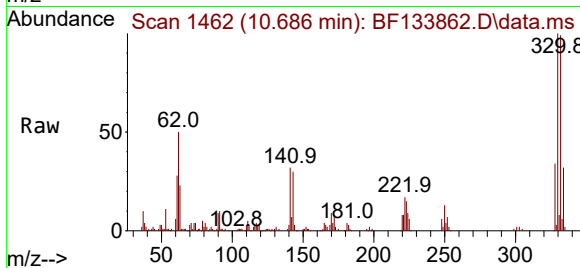
Acq: 20 Jun 2023 18:21

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-10RE



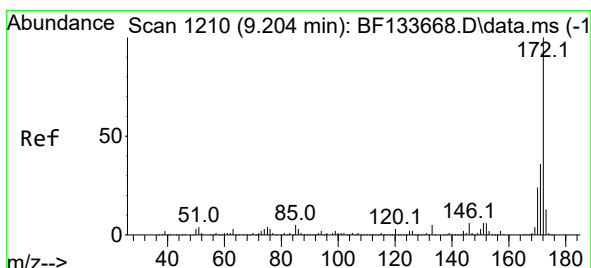
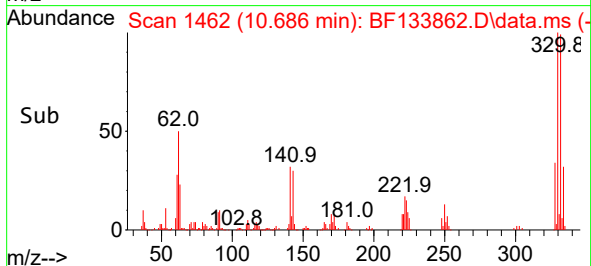
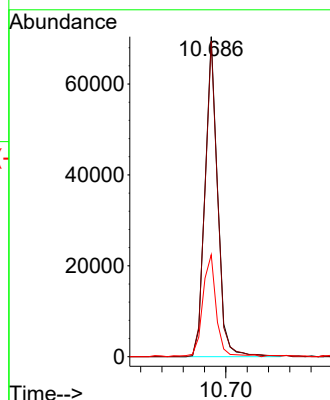
Tgt Ion:330 Resp: 57738

Ion Ratio Lower Upper

330 100

332 99.5 77.2 115.8

141 34.5 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 30.518 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF133862.D

Acq: 20 Jun 2023 18:21

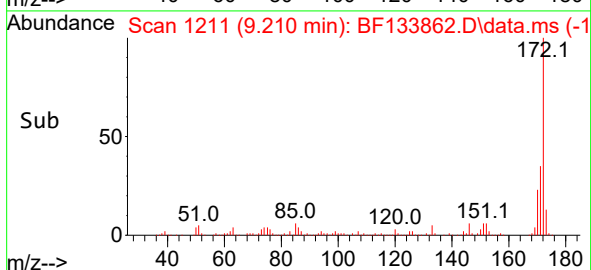
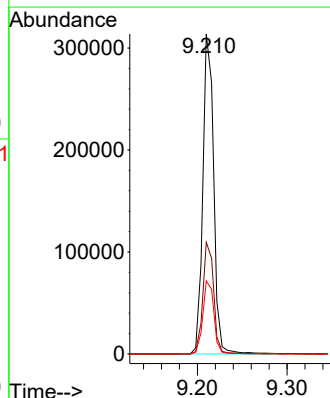
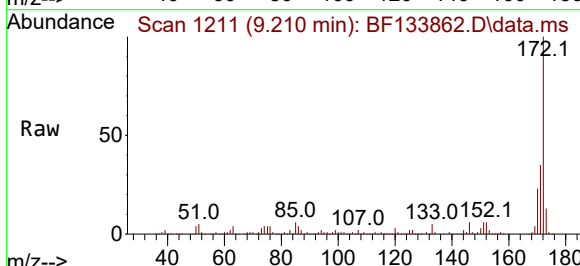
Tgt Ion:172 Resp: 263635

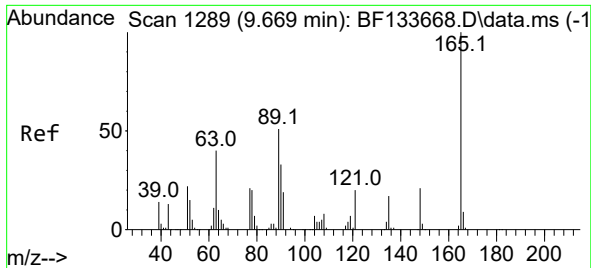
Ion Ratio Lower Upper

172 100

171 34.9 28.6 43.0

170 22.8 19.1 28.7

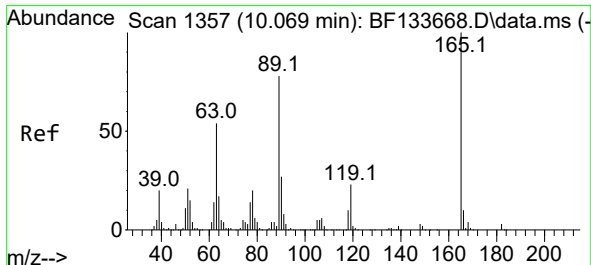
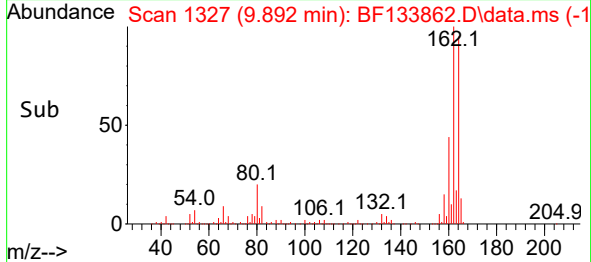
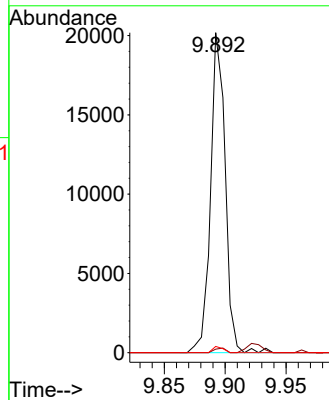
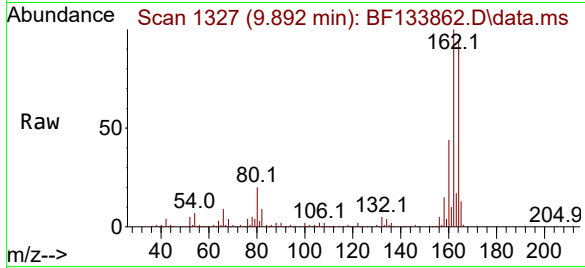




#51
2,6-Dinitrotoluene
Concen: 8.909 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133862.D
Acq: 20 Jun 2023 18:21

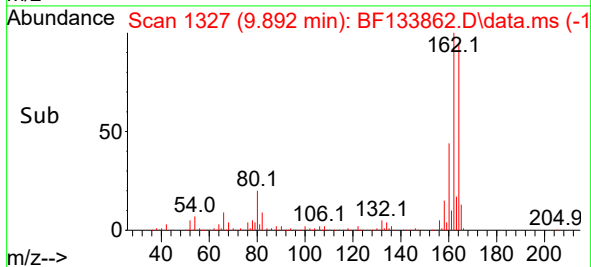
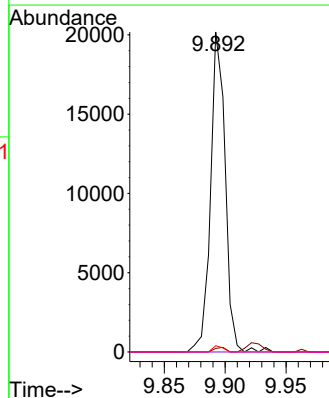
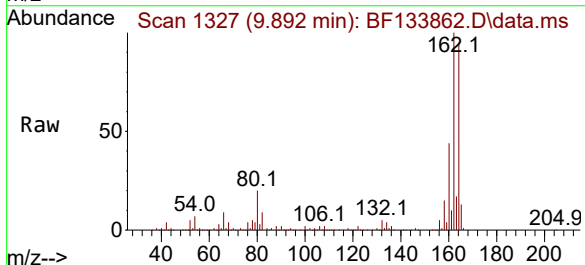
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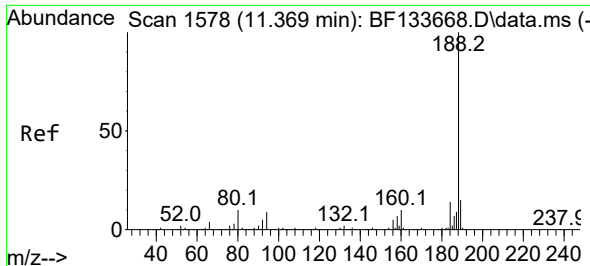
Tgt Ion:165 Resp: 16856
Ion Ratio Lower Upper
165 100
63 1.1 42.1 63.1#
89 1.9 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 7.005 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.194 min
Lab File: BF133862.D
Acq: 20 Jun 2023 18:21

Tgt Ion:165 Resp: 16856
Ion Ratio Lower Upper
165 100
63 1.1 43.0 64.6#
89 1.9 62.6 93.8#
182 0.0 2.2 3.2#

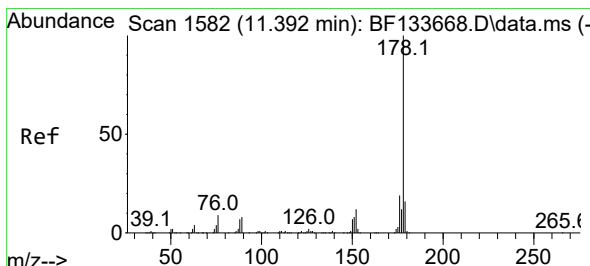
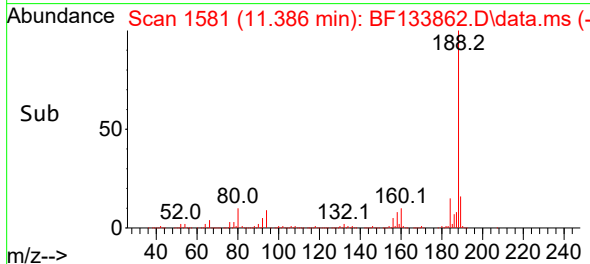
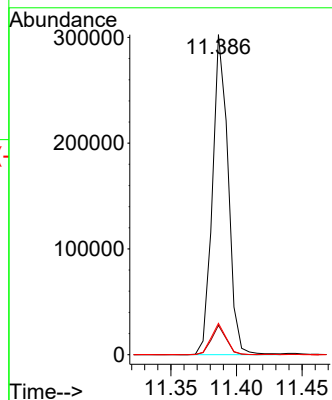
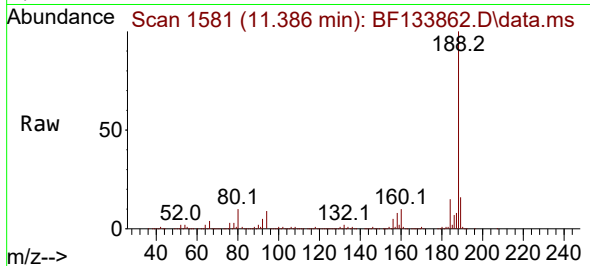




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF133862.D
Acq: 20 Jun 2023 18:21

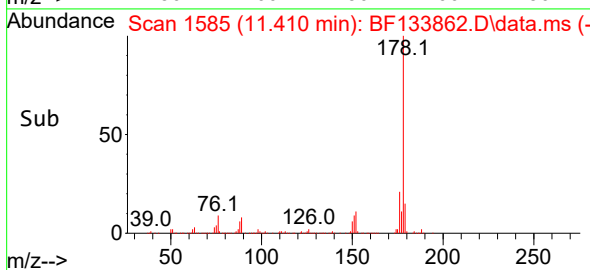
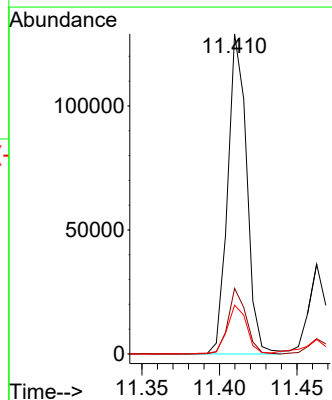
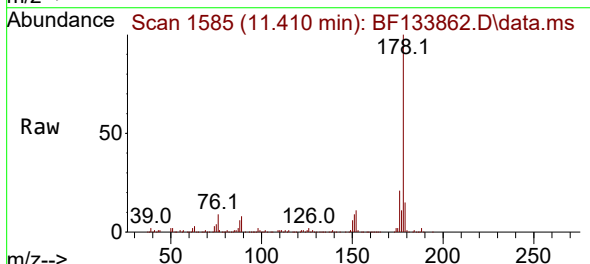
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-10RE

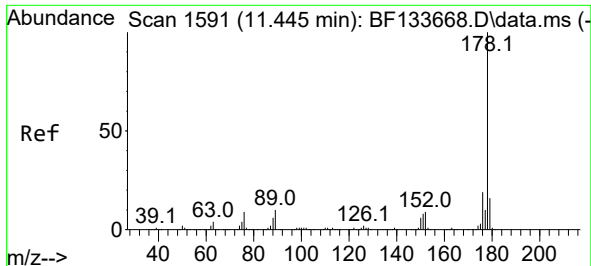
Tgt Ion:188 Resp: 250759
Ion Ratio Lower Upper
188 100
94 9.2 6.8 10.2
80 9.8 7.8 11.6



#71
Phenanthrene
Concen: 8.639 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF133862.D
Acq: 20 Jun 2023 18:21

Tgt Ion:178 Resp: 109909
Ion Ratio Lower Upper
178 100
176 20.5 15.6 23.4
179 15.3 12.4 18.6

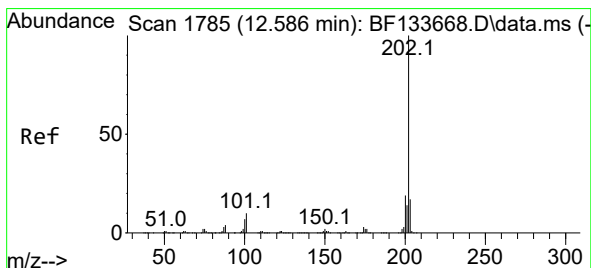
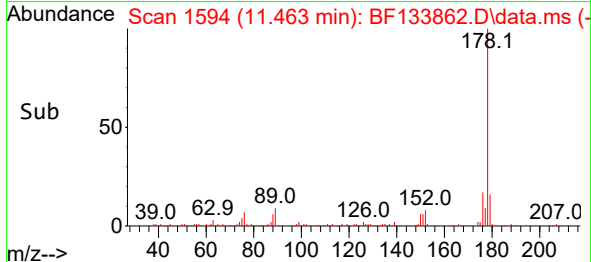
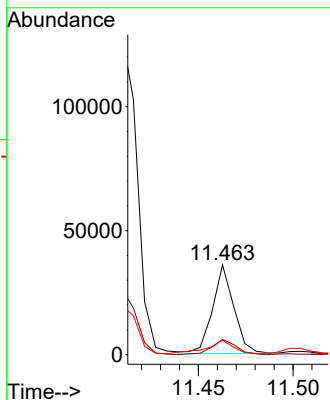
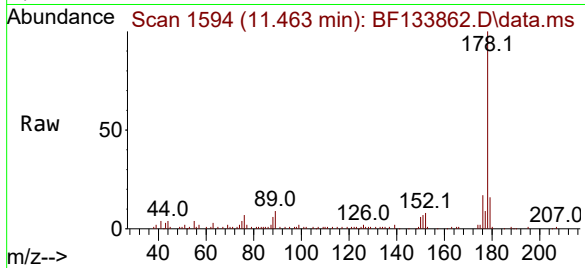




#72
 Anthracene
 Concen: 2.107 ng
 RT: 11.463 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133862.D
 Acq: 20 Jun 2023 18:21

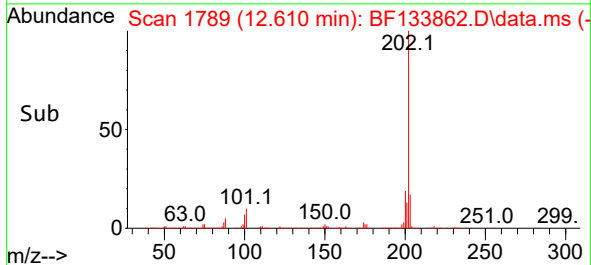
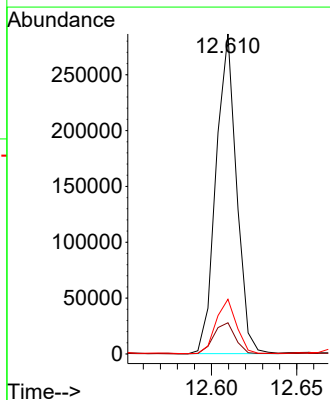
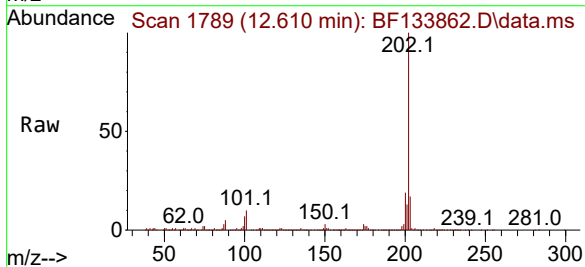
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-10RE

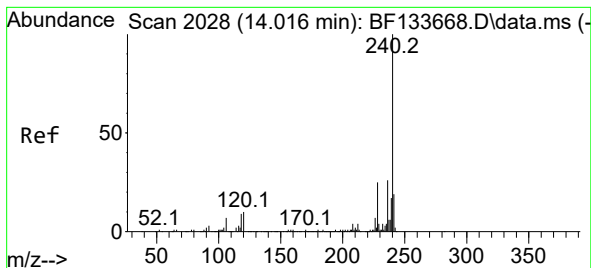
Tgt Ion:178 Resp: 27944
 Ion Ratio Lower Upper
 178 100
 176 16.8 15.1 22.7
 179 16.2 12.6 18.8



#75
 Fluoranthene
 Concen: 17.747 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.000 min
 Lab File: BF133862.D
 Acq: 20 Jun 2023 18:21

Tgt Ion:202 Resp: 239764
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 29.6
 203 17.1 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF133862.D

Acq: 20 Jun 2023 18:21

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-10RE

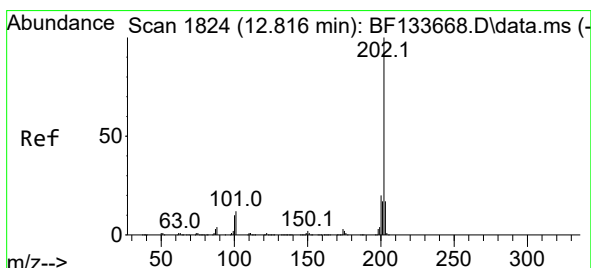
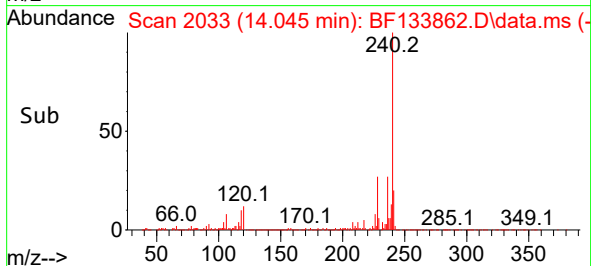
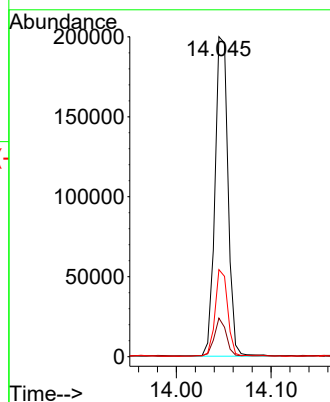
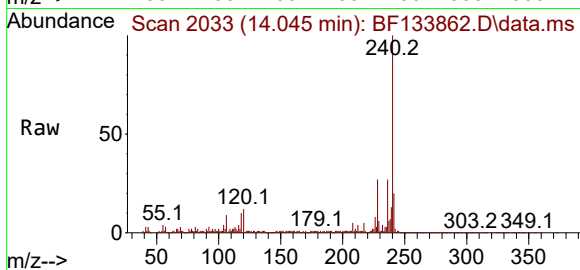
Tgt Ion:240 Resp: 191395

Ion Ratio Lower Upper

240 100

120 12.1 8.1 12.1

236 27.2 20.5 30.7



#78

Pyrene

Concen: 13.037 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF133862.D

Acq: 20 Jun 2023 18:21

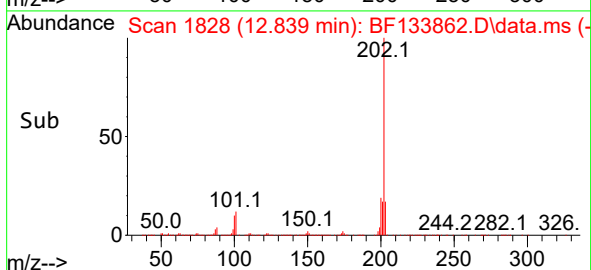
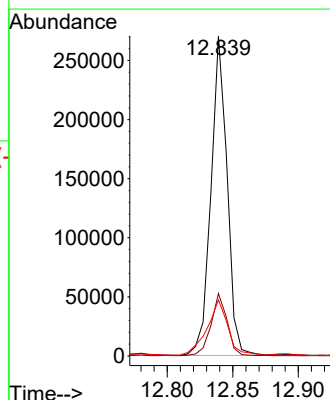
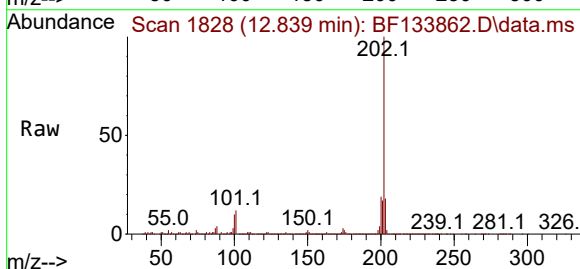
Tgt Ion:202 Resp: 232433

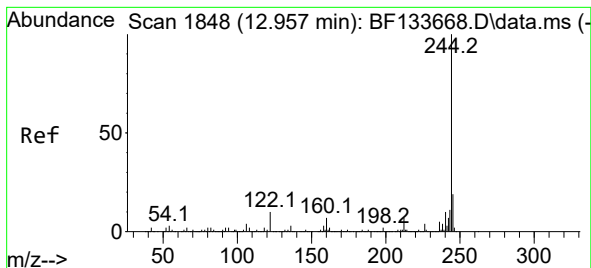
Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.2

203 17.6 13.9 20.9





#79

Terphenyl-d14

Concen: 25.265 ng

RT: 12.986 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133862.D

Acq: 20 Jun 2023 18:21

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-10RE

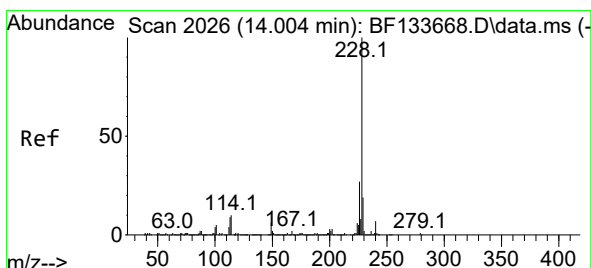
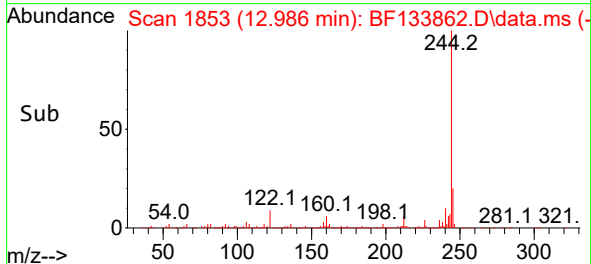
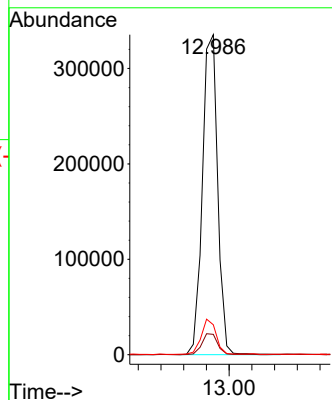
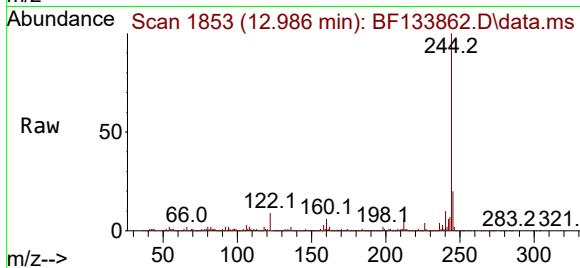
Tgt Ion:244 Resp: 312504

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

122 9.4 8.1 12.1



#81

Benzo(a)anthracene

Concen: 8.456 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.006 min

Lab File: BF133862.D

Acq: 20 Jun 2023 18:21

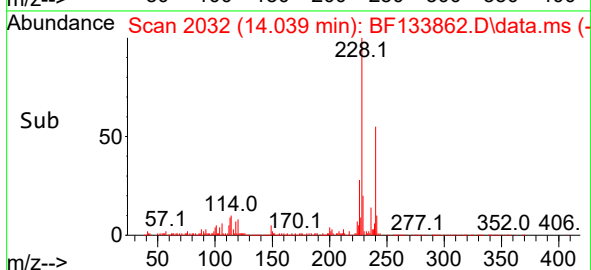
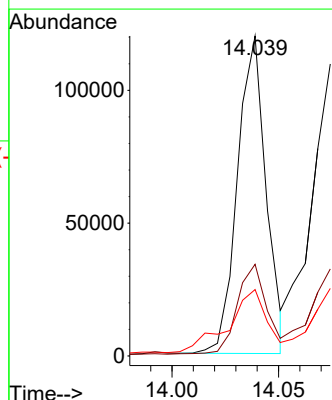
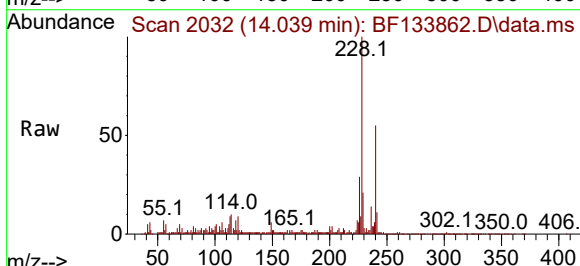
Tgt Ion:228 Resp: 111944

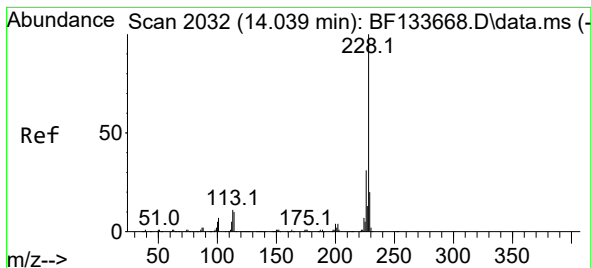
Ion Ratio Lower Upper

228 100

226 28.7 21.7 32.5

229 20.7 15.4 23.2





#83

Chrysene

Concen: 8.683 ng

RT: 14.074 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF133862.D

Acq: 20 Jun 2023 18:21

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-10RE

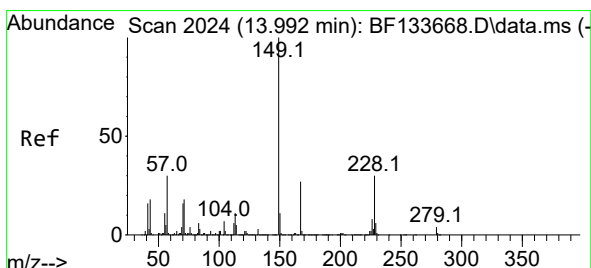
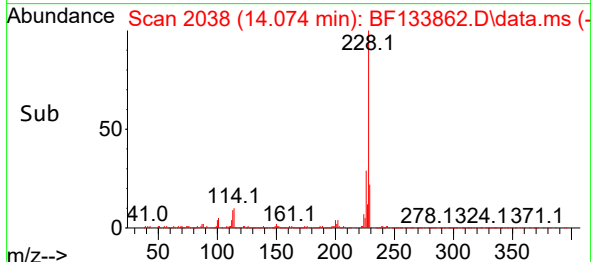
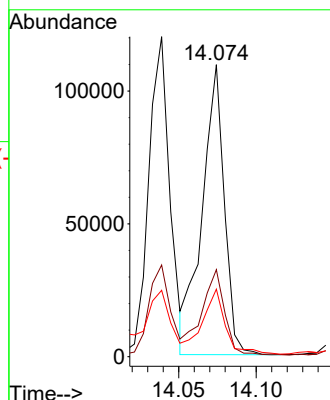
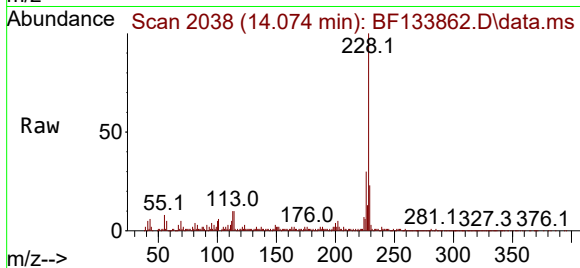
Tgt Ion:228 Resp: 108719

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

229 23.1 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.667 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF133862.D

Acq: 20 Jun 2023 18:21

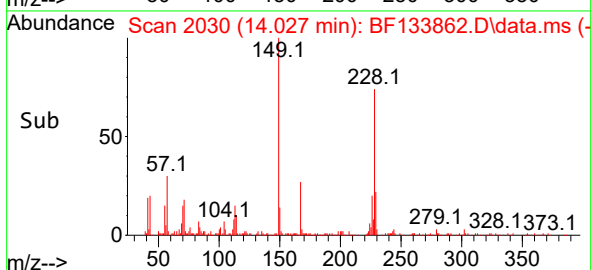
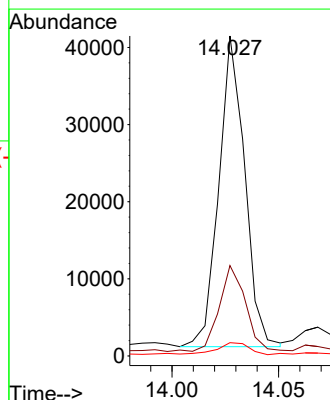
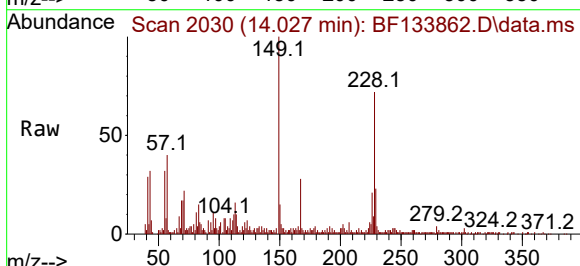
Tgt Ion:149 Resp: 33988

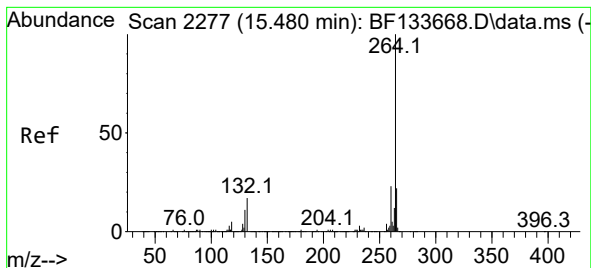
Ion Ratio Lower Upper

149 100

167 28.3 21.8 32.8

279 4.2 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133862.D

Acq: 20 Jun 2023 18:21

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-10RE

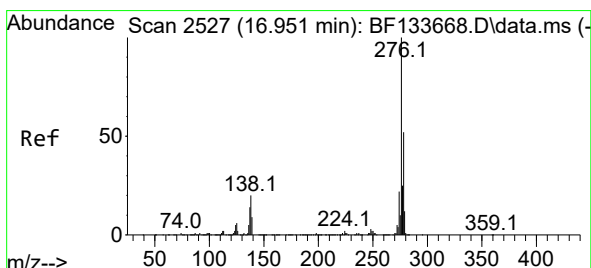
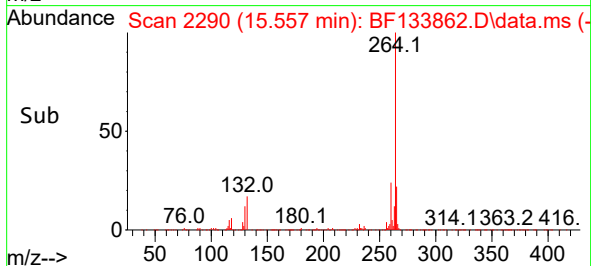
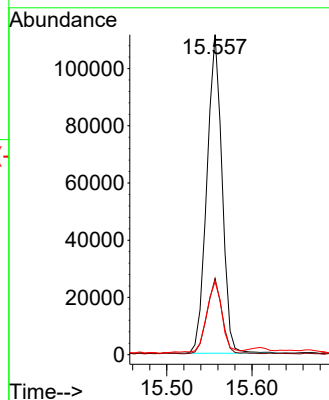
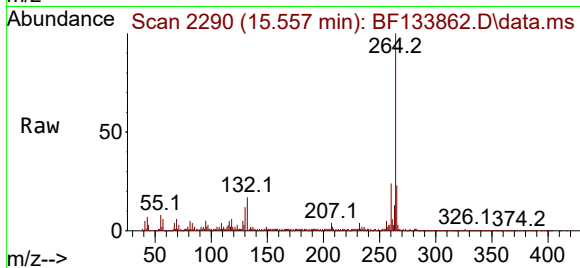
Tgt Ion:264 Resp: 137660

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.2

265 22.8 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.479 ng

RT: 17.098 min Scan# 2552

Delta R.T. 0.000 min

Lab File: BF133862.D

Acq: 20 Jun 2023 18:21

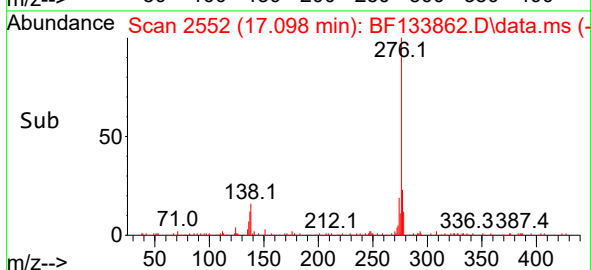
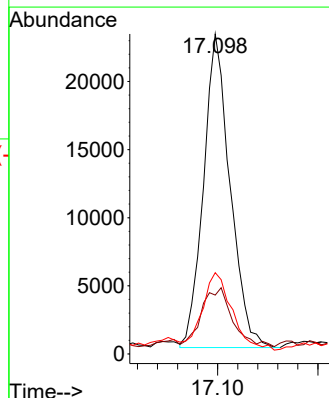
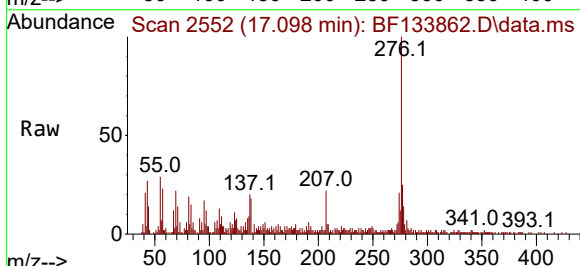
Tgt Ion:276 Resp: 42422

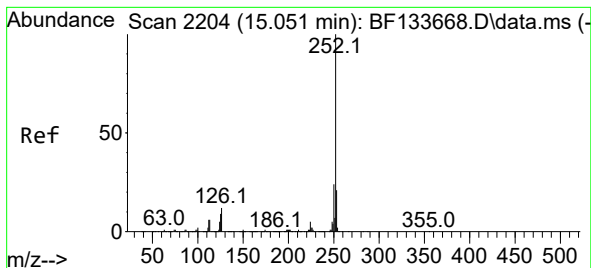
Ion Ratio Lower Upper

276 100

138 21.9 17.9 26.9

277 27.7 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 17.407 ng

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF133862.D

Acq: 20 Jun 2023 18:21

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-10RE

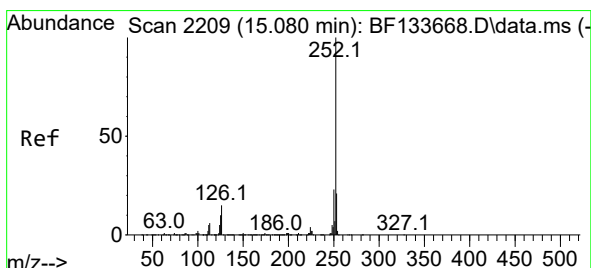
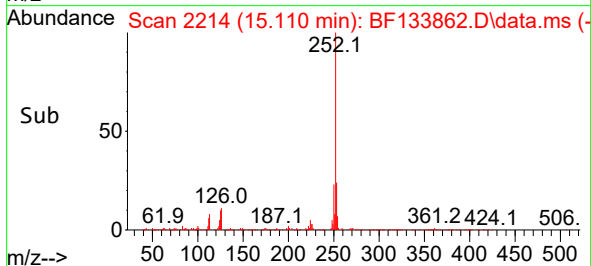
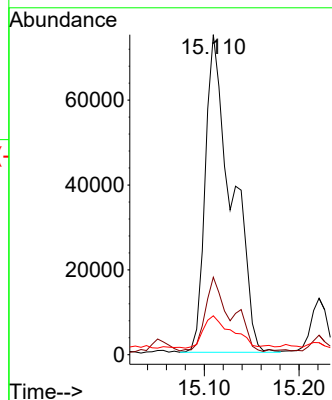
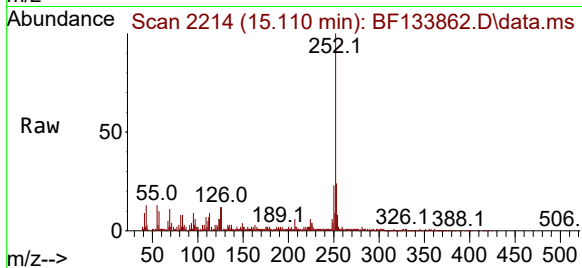
Tgt Ion:252 Resp: 145565

Ion Ratio Lower Upper

252 100

253 24.2 17.0 25.6

125 12.1 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 17.870 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.024 min

Lab File: BF133862.D

Acq: 20 Jun 2023 18:21

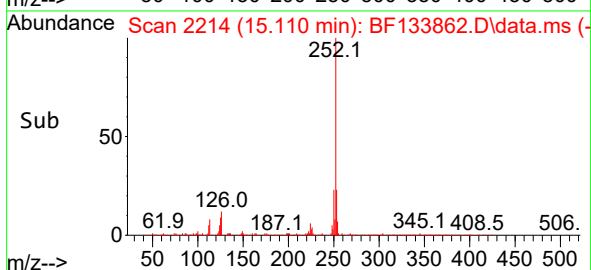
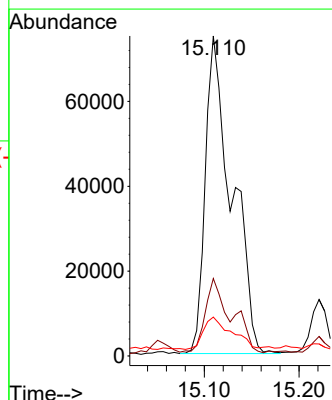
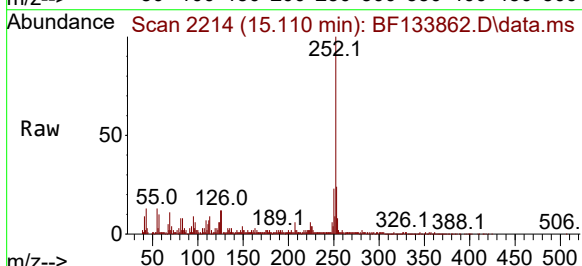
Tgt Ion:252 Resp: 145565

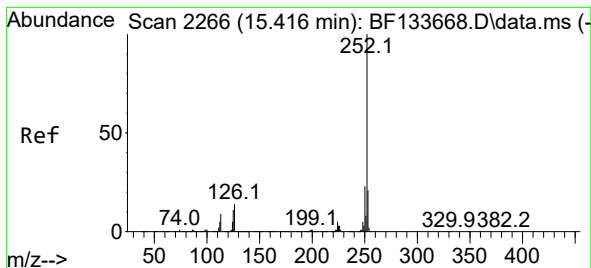
Ion Ratio Lower Upper

252 100

253 24.2 17.0 25.4

125 12.1 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 8.925 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133862.D

Acq: 20 Jun 2023 18:21

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-10RE

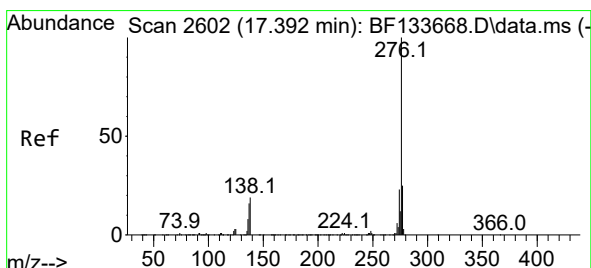
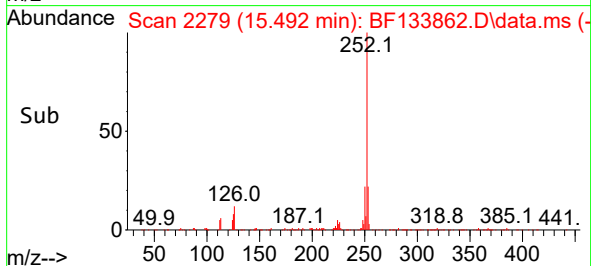
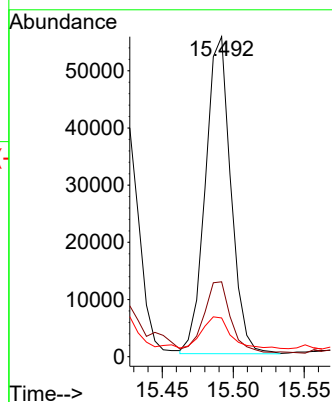
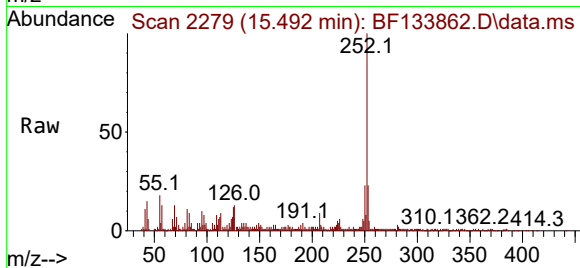
Tgt Ion:252 Resp: 69269

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

125 12.1 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 5.373 ng

RT: 17.568 min Scan# 2632

Delta R.T. -0.006 min

Lab File: BF133862.D

Acq: 20 Jun 2023 18:21

Tgt Ion:276 Resp: 41772

Ion Ratio Lower Upper

276 100

277 25.2 19.8 29.8

138 22.9 15.0 22.4#

