

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133853.D
 Acq On : 20 Jun 2023 13:24
 Operator : CG\JU
 Sample : 03282-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-16RE

Quant Time: Jun 20 13:59:57 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)

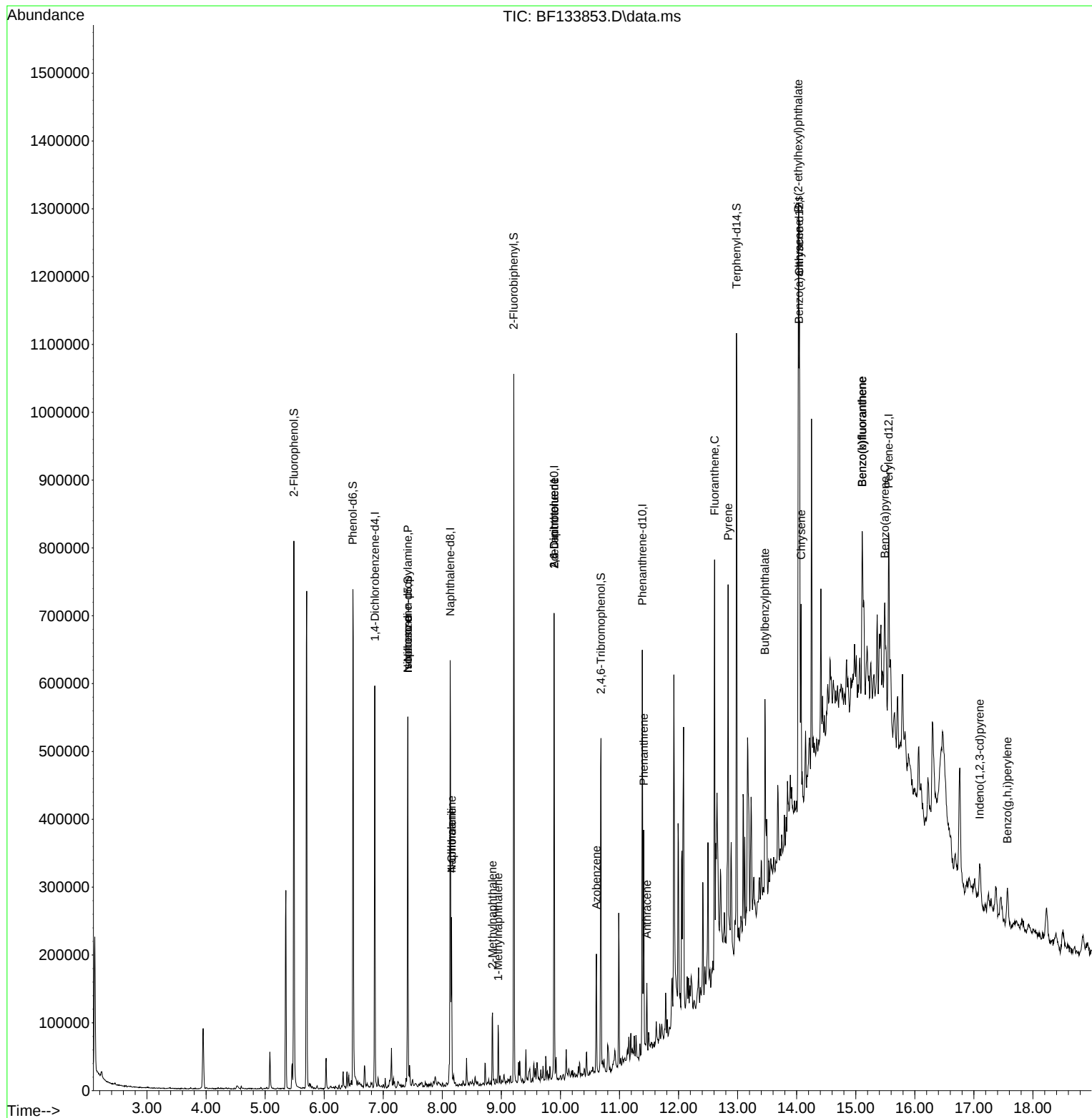
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	74494	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	256637	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	112354	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	200575	20.000	ng	0.00
76) Chrysene-d12	14.045	240	187503	20.000	ng	0.00
86) Perylene-d12	15.557	264	144691	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	191705	44.801	ng	0.00
7) Phenol-d6	6.487	99	219829	39.467	ng	0.00
23) Nitrobenzene-d5	7.416	82	144957	30.765	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	55041	38.701	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	272942	34.533	ng	0.00
79) Terphenyl-d14	12.980	244	298486	24.632	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	20048	5.657	ng	# 76
25) Isophorone	7.416	82	143896	16.635	ng	# 66
31) Naphthalene	8.157	128	82349	6.586	ng	99
33) 4-Chloroaniline	8.157	127	10832	2.026	ng	# 34
37) 2-Methylnaphthalene	8.851	142	27949	3.217	ng	99
38) 1-Methylnaphthalene	8.945	142	20713	2.591	ng	98
51) 2,6-Dinitrotoluene	9.892	165	14474	8.362	ng	# 30
57) 2,4-Dinitrotoluene	9.892	165	14474	6.575	ng	# 21
63) Azobenzene	10.610	77	28634	3.544	ng	# 1
71) Phenanthrene	11.410	178	104772	10.296	ng	98
72) Anthracene	11.463	178	33656	3.172	ng	99
75) Fluoranthene	12.610	202	233061	21.567	ng	99
78) Pyrene	12.839	202	217343	12.443	ng	99
80) Butylbenzylphthalate	13.463	149	59716	8.098	ng	91
81) Benzo(a)anthracene	14.039	228	121556	9.372	ng	97
83) Chrysene	14.074	228	116163	9.470	ng	97
84) Bis(2-ethylhexyl)phtha...	14.027	149	194447	21.417	ng	100
87) Indeno(1,2,3-cd)pyrene	17.098	276	42867	4.306	ng	97
88) Benzo(b)fluoranthene	15.110	252	173798	19.774	ng	# 92
89) Benzo(k)fluoranthene	15.110	252	173798	20.299	ng	# 93
90) Benzo(a)pyrene	15.492	252	81393	9.978	ng	# 95
92) Benzo(g,h,i)perylene	17.568	276	41835	5.120	ng	# 88

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

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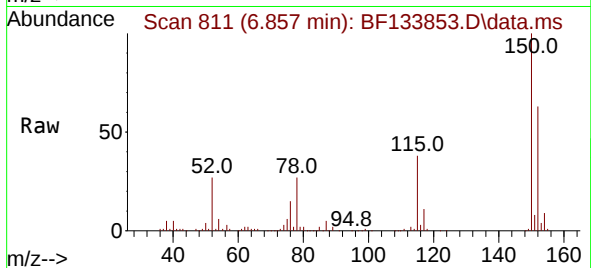
Quant Time: Jun 20 13:59:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
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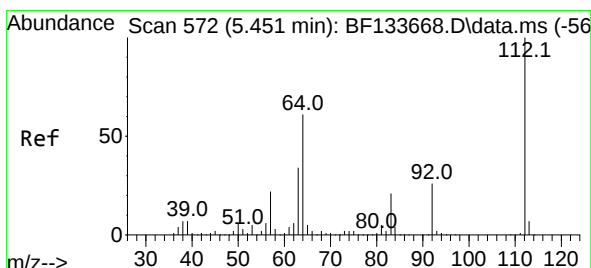
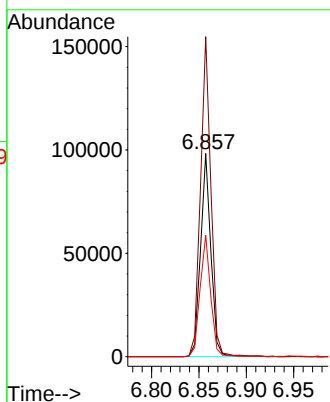
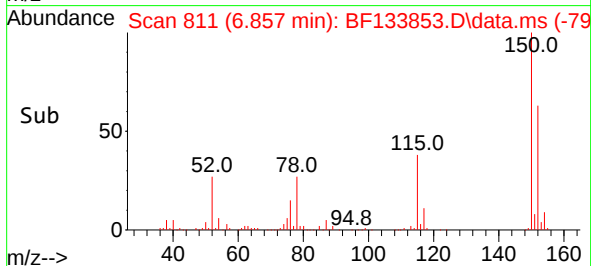


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

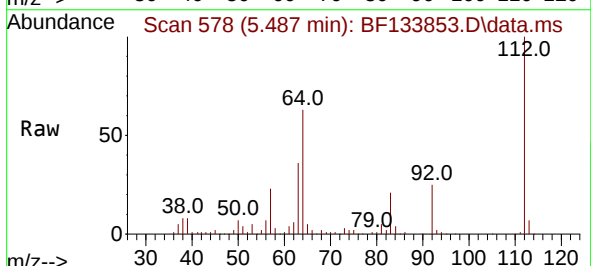
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16RE



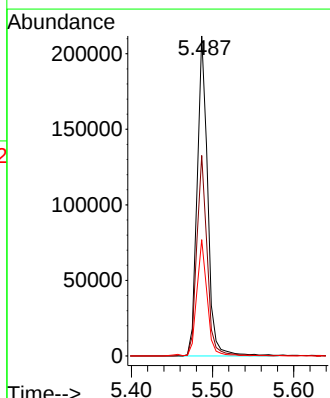
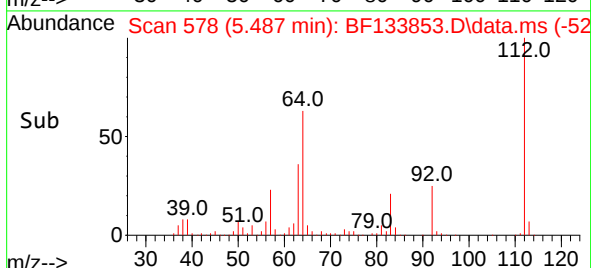
Tgt Ion:152 Resp: 74494
Ion Ratio Lower Upper
152 100
150 157.5 124.3 186.5
115 59.8 48.5 72.7

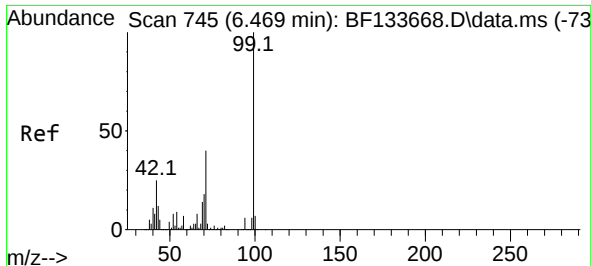


#5
2-Fluorophenol
Concen: 44.801 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24



Tgt Ion:112 Resp: 191705
Ion Ratio Lower Upper
112 100
64 62.6 49.0 73.4
63 36.3 26.8 40.2

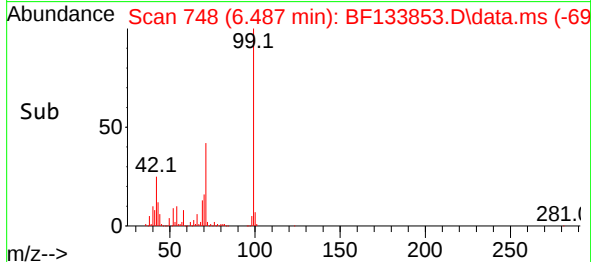
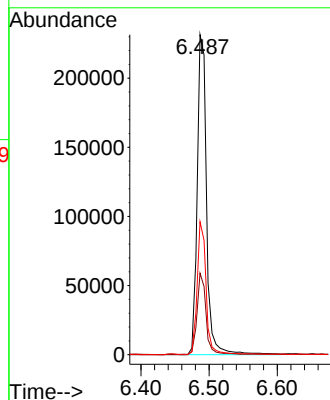
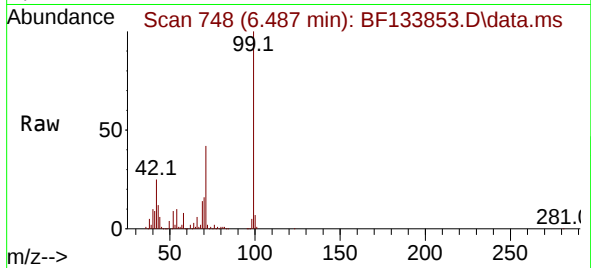




#7
Phenol-d6
Concen: 39.467 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

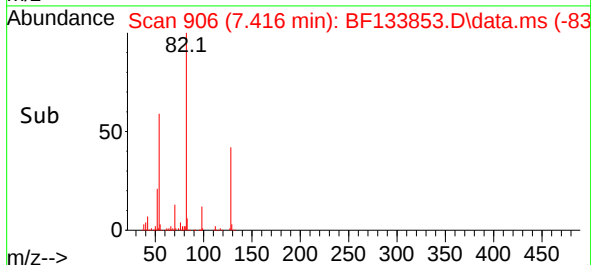
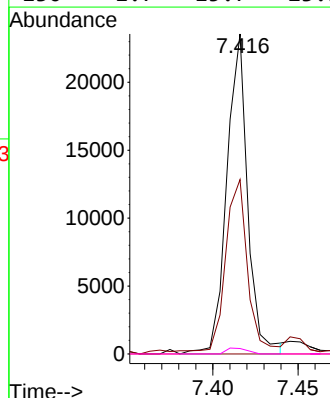
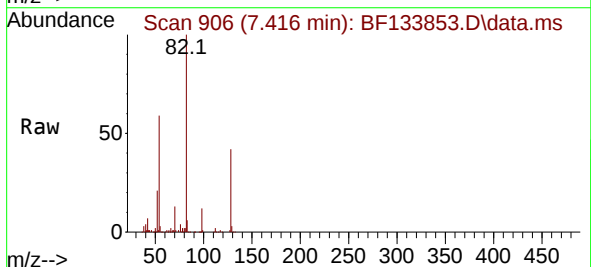
Instrument :
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ClientSampleId :
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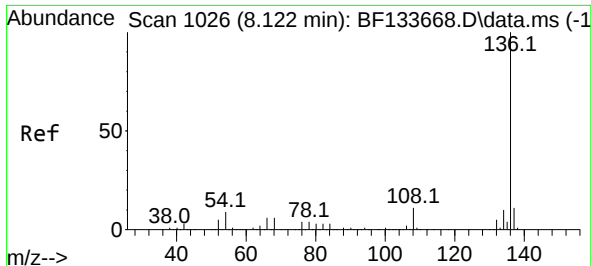
Tgt Ion: 99 Resp: 219829
Ion Ratio Lower Upper
99 100
42 25.4 19.9 29.9
71 41.6 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.657 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

Tgt Ion: 70 Resp: 20048
Ion Ratio Lower Upper
70 100
42 54.5 55.8 83.8#
101 0.0 8.1 12.1#
130 1.7 15.7 23.5#

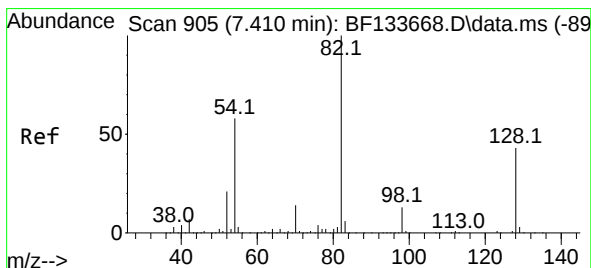
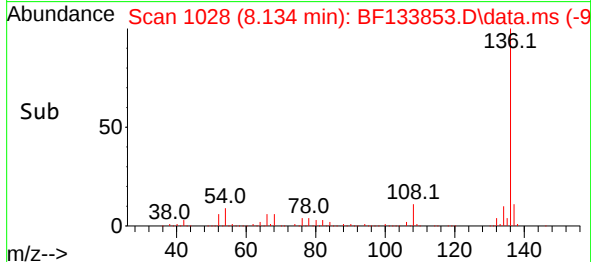
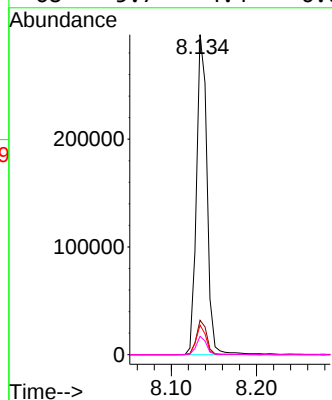
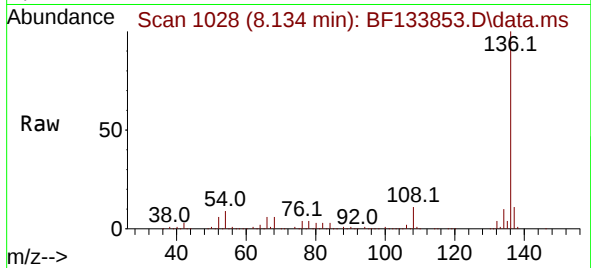




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

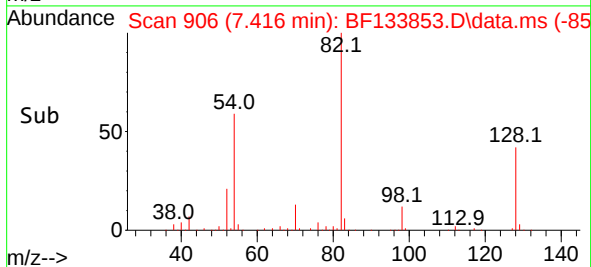
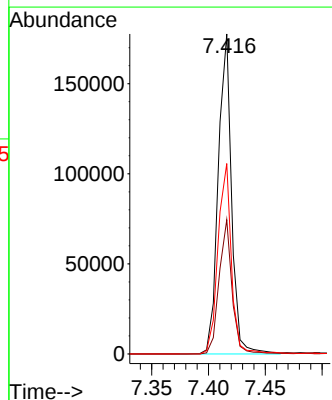
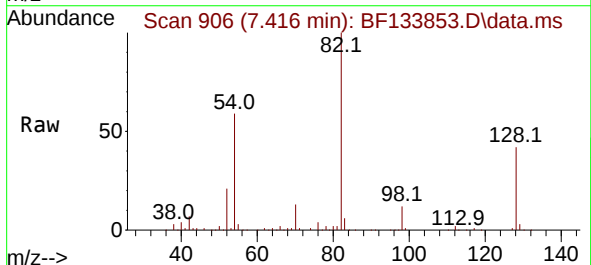
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16RE

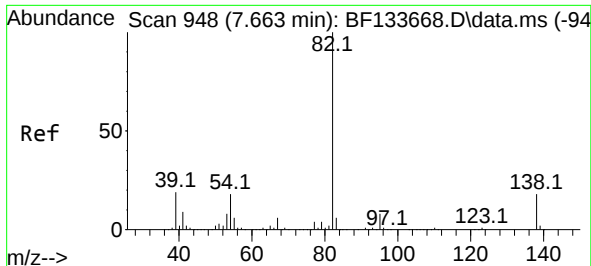
Tgt Ion:136 Resp: 256637
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 9.3 7.4 11.0
68 5.7 4.4 6.6



#23
Nitrobenzene-d5
Concen: 30.765 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

Tgt Ion: 82 Resp: 144957
Ion Ratio Lower Upper
82 100
128 42.0 34.2 51.2
54 59.5 46.5 69.7

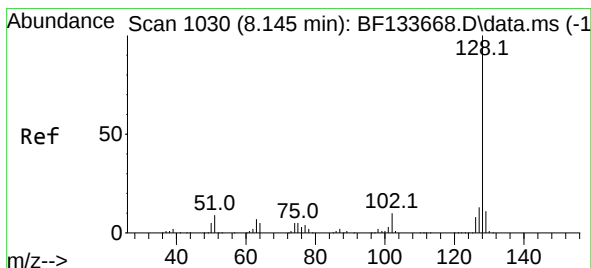
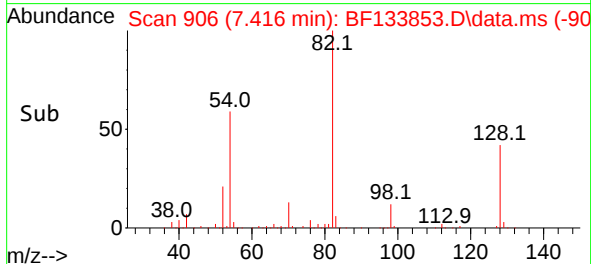
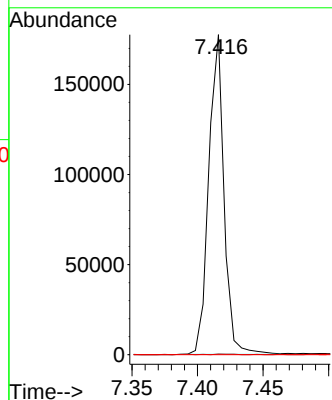
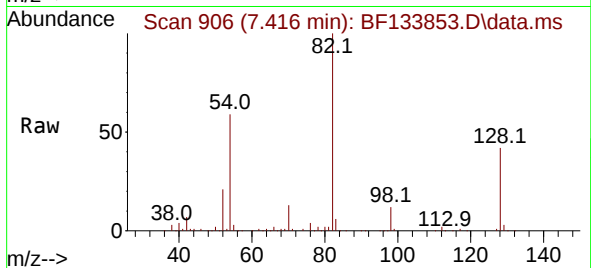




#25
Isophorone
Concen: 16.635 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

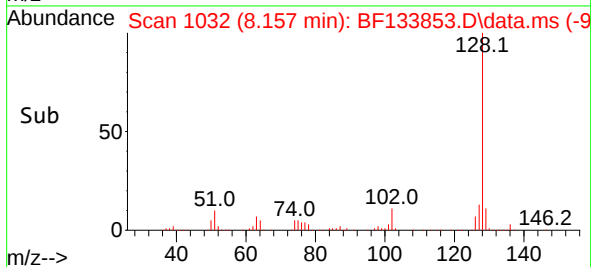
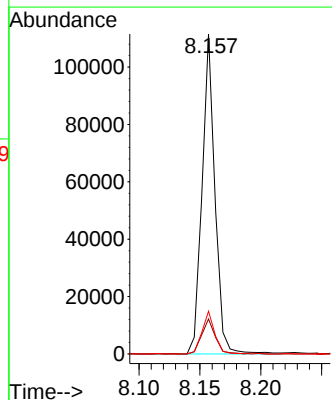
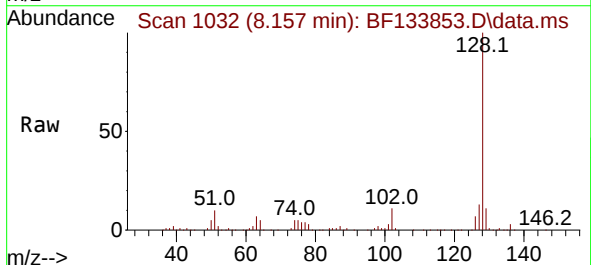
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16RE

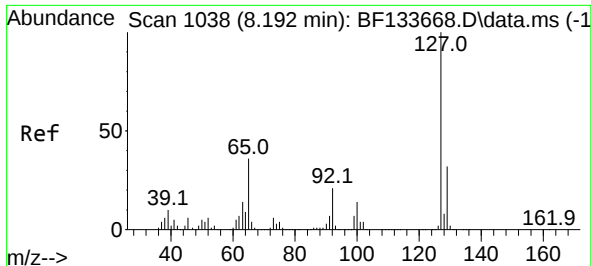
Tgt Ion: 82 Resp: 143896
Ion Ratio Lower Upper
82 100
95 0.2 6.0 9.0#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 6.586 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

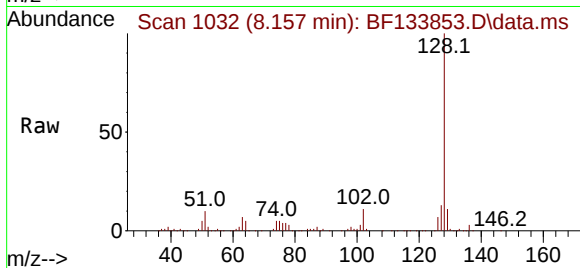
Tgt Ion:128 Resp: 82349
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.3 10.5 15.7



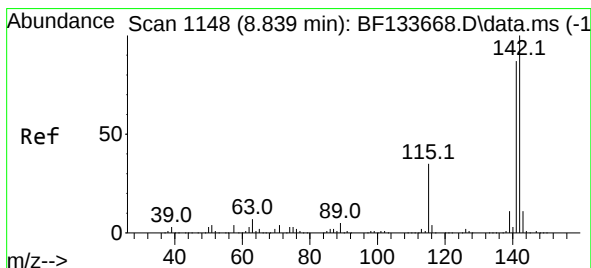
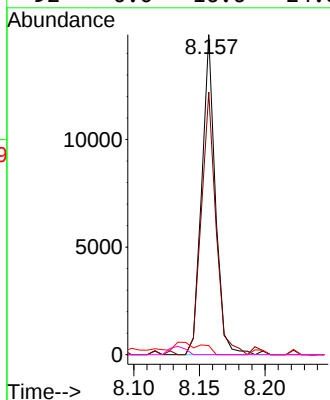
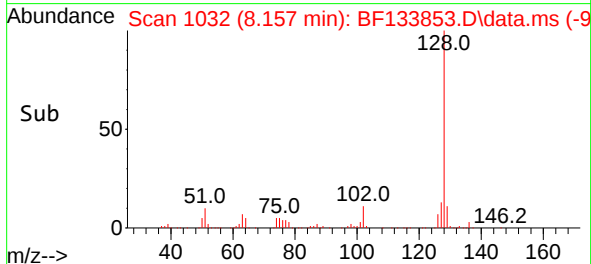


#33
4-Chloroaniline
Concen: 2.026 ng
RT: 8.157 min Scan# 1108
Delta R.T. -0.053 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16RE

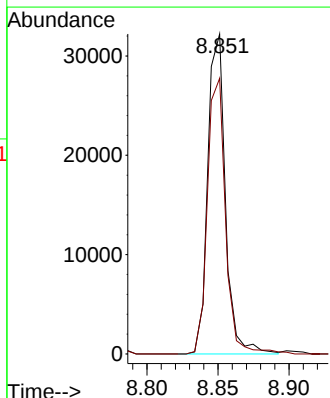
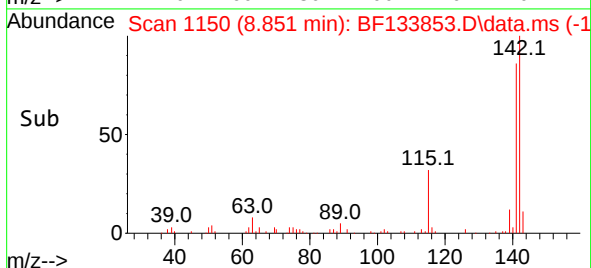
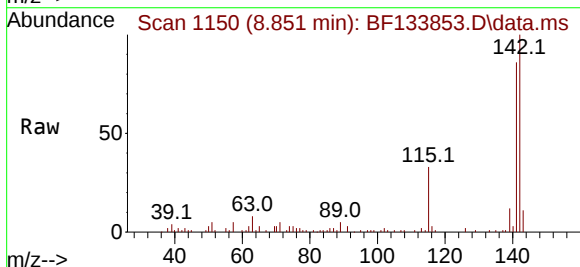


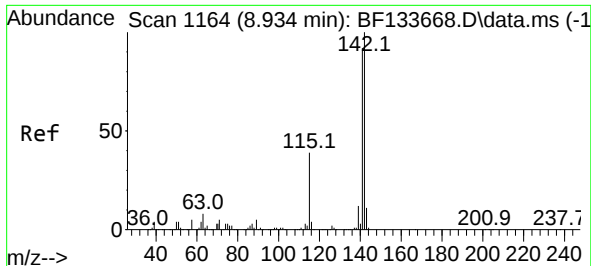
Tgt Ion:	127	Resp:	10832
Ion Ratio	Lower	Upper	
127	100		
129	82.0	25.6	38.4#
65	2.8	28.9	43.3#
92	0.0	16.6	24.8#



#37
2-Methylnaphthalene
Concen: 3.217 ng
RT: 8.851 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

Tgt Ion:	142	Resp:	27949
Ion Ratio	Lower	Upper	
142	100		
141	86.1	69.8	104.8

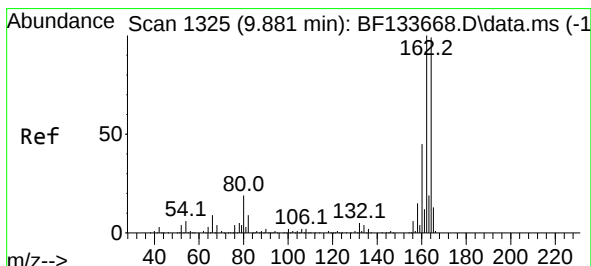
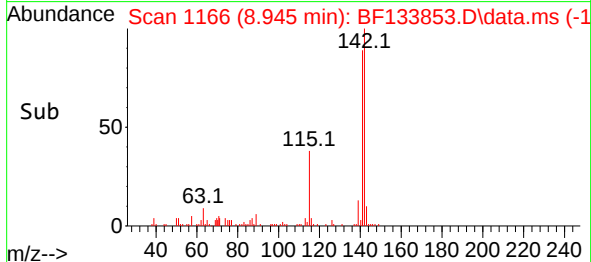
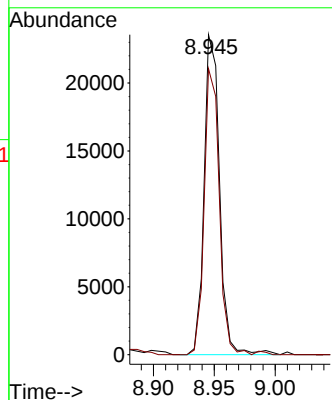
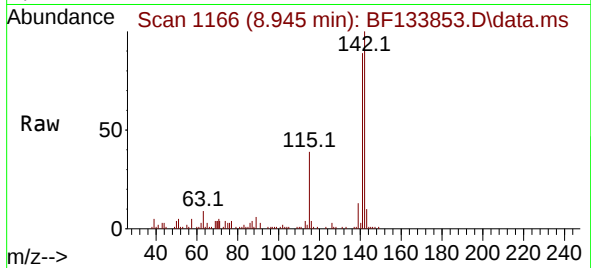




#38
1-Methylnaphthalene
Concen: 2.591 ng
RT: 8.945 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

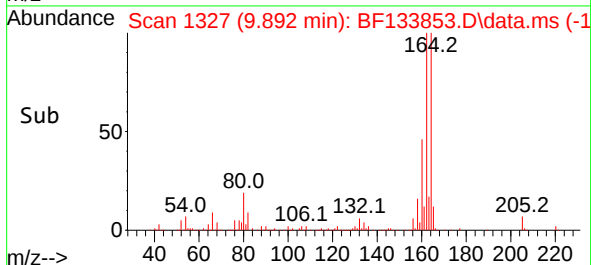
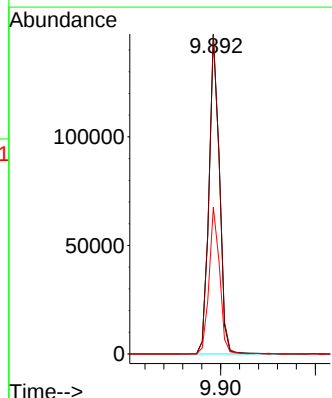
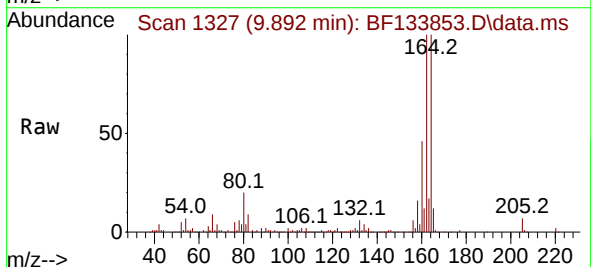
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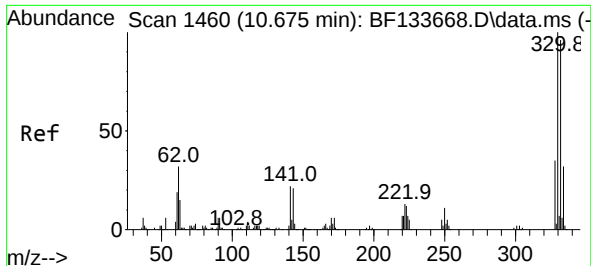
Tgt Ion:142 Resp: 20713
Ion Ratio Lower Upper
142 100
141 89.4 73.4 110.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

Tgt Ion:164 Resp: 112354
Ion Ratio Lower Upper
164 100
162 100.4 80.8 121.2
160 46.0 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 38.701 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133853.D

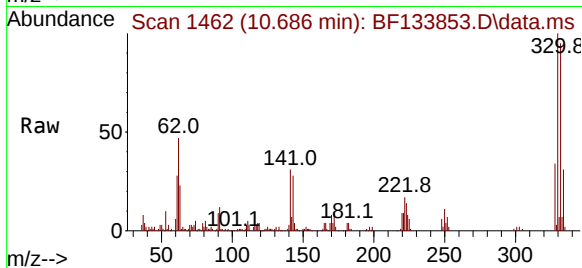
Acq: 20 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16RE



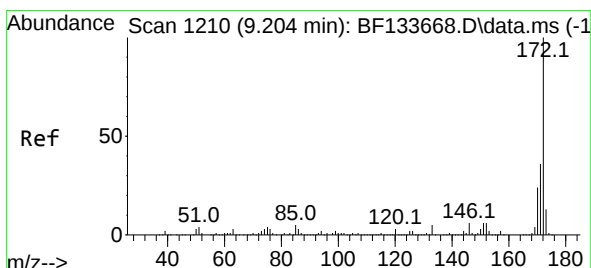
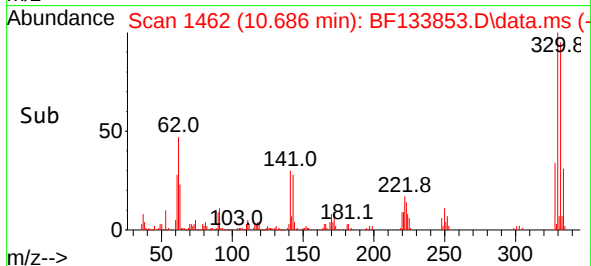
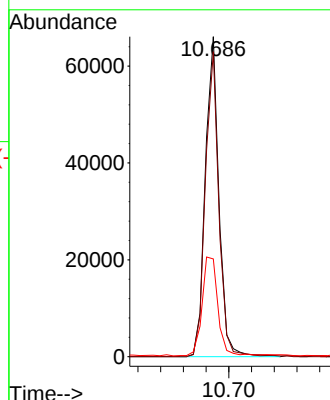
Tgt Ion:330 Resp: 55041

Ion Ratio Lower Upper

330 100

332 94.4 77.2 115.8

141 37.3 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 34.533 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

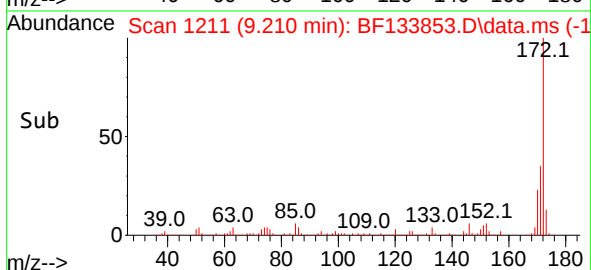
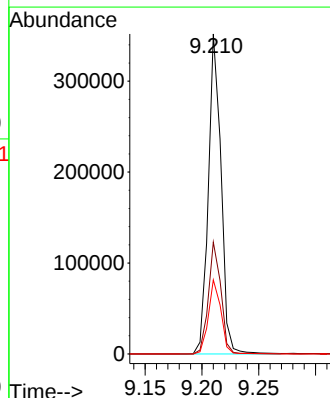
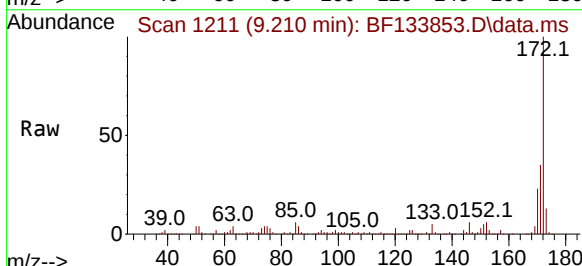
Tgt Ion:172 Resp: 272942

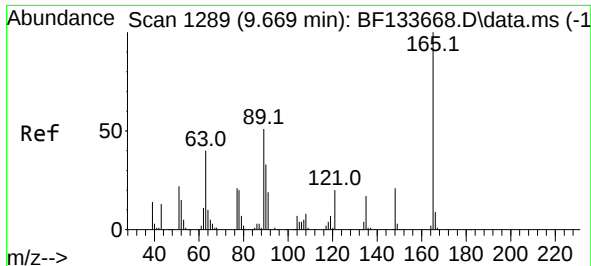
Ion Ratio Lower Upper

172 100

171 34.9 28.6 43.0

170 23.2 19.1 28.7

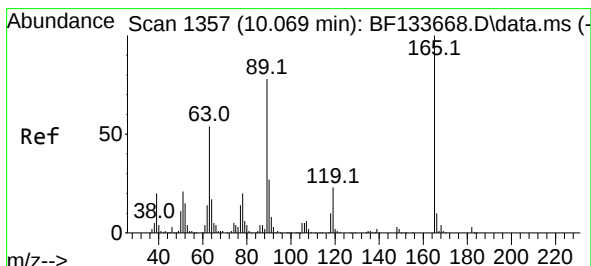
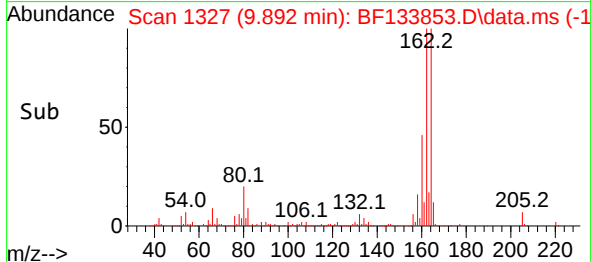
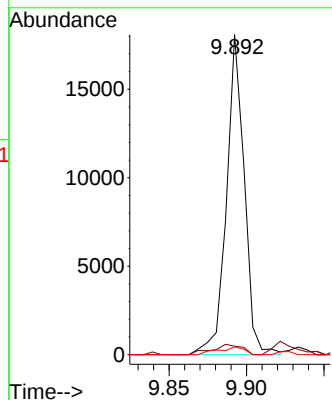
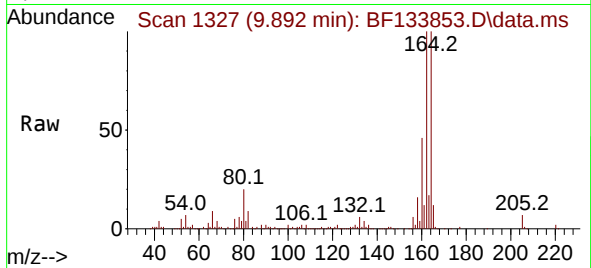




#51
2,6-Dinitrotoluene
Concen: 8.362 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

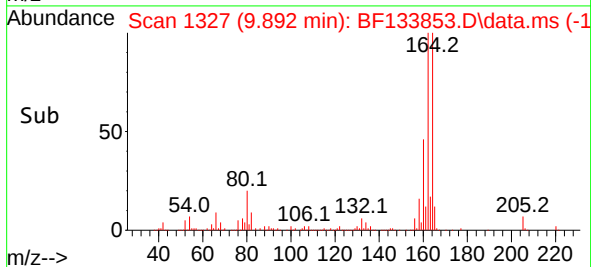
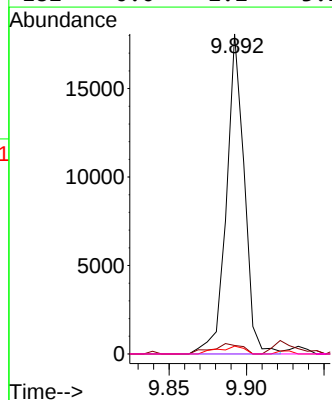
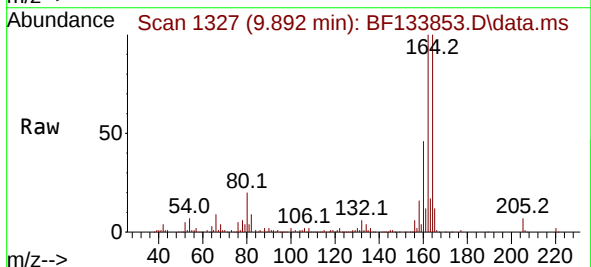
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16RE

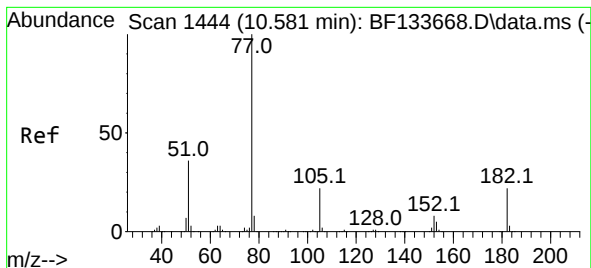
Tgt Ion:165 Resp: 14474
Ion Ratio Lower Upper
165 100
63 2.7 42.1 63.1#
89 2.4 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.575 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.194 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

Tgt Ion:165 Resp: 14474
Ion Ratio Lower Upper
165 100
63 2.7 43.0 64.6#
89 2.4 62.6 93.8#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 3.544 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.012 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16RE

Tgt Ion: 77 Resp: 28634

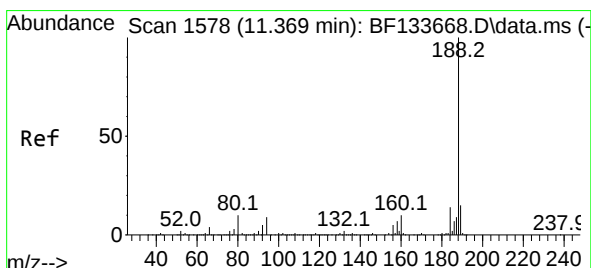
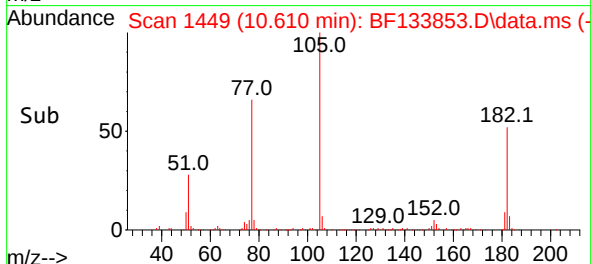
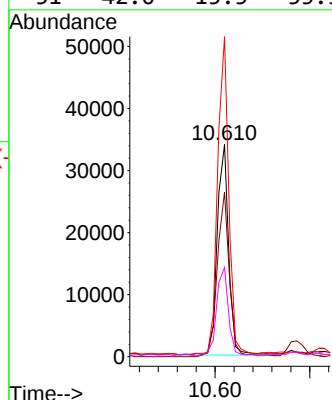
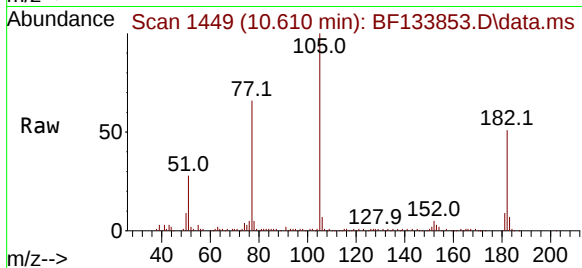
Ion Ratio Lower Upper

77 100

182 77.6 1.6 41.6#

105 150.9 1.6 41.6#

51 42.0 15.5 55.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

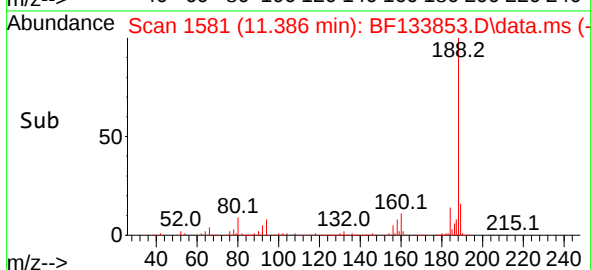
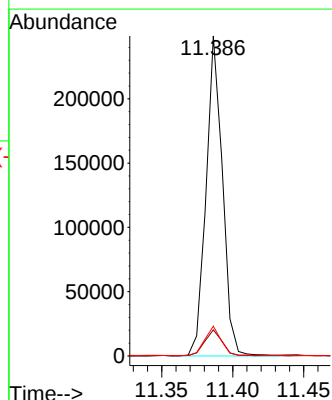
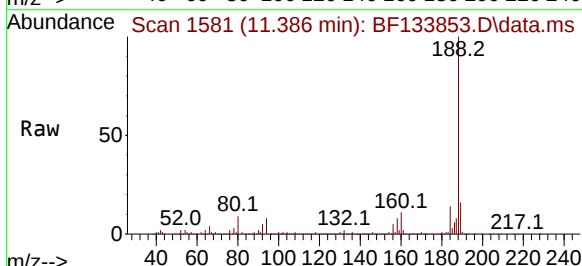
Tgt Ion: 188 Resp: 200575

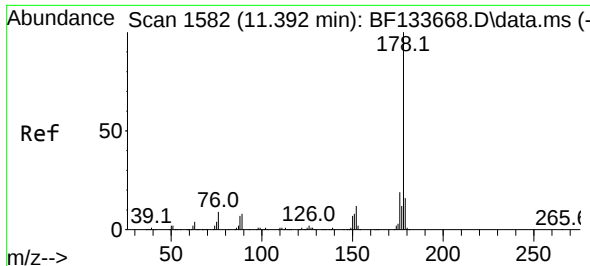
Ion Ratio Lower Upper

188 100

94 8.1 6.8 10.2

80 9.3 7.8 11.6

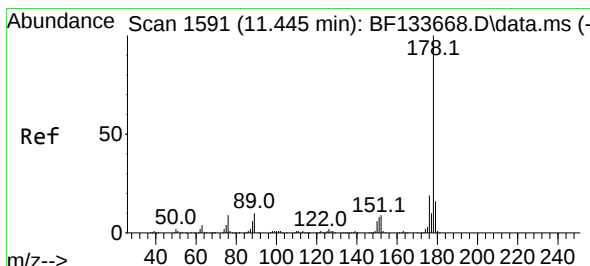
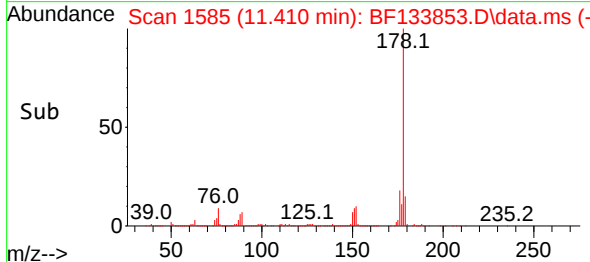
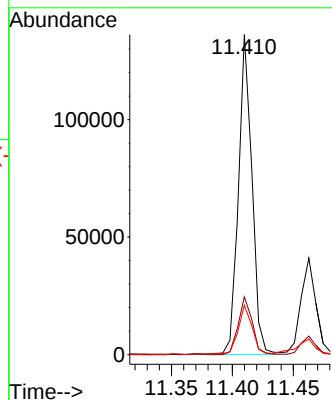
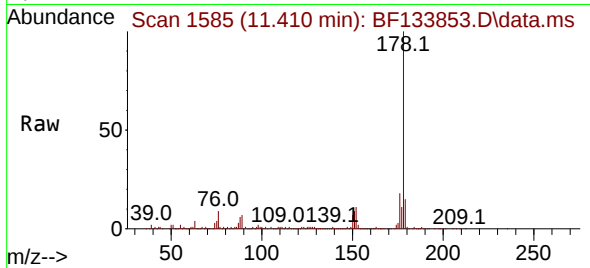




#71
Phenanthrene
Concen: 10.296 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

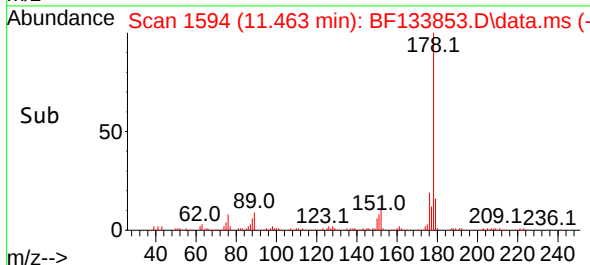
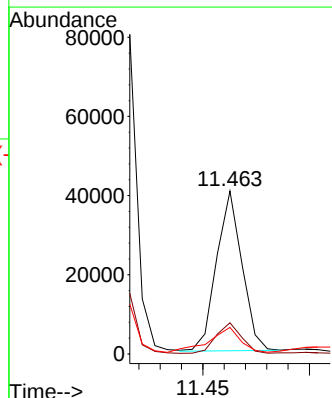
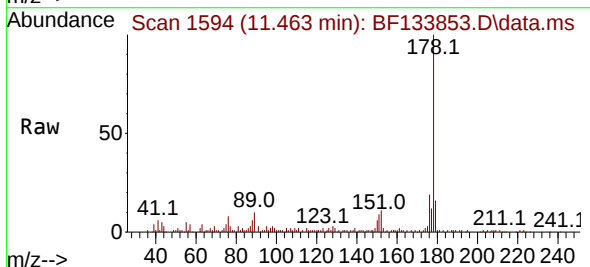
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16RE

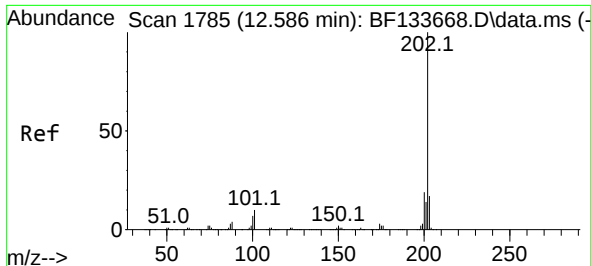
Tgt Ion:178 Resp: 104772
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 15.5 12.4 18.6



#72
Anthracene
Concen: 3.172 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

Tgt Ion:178 Resp: 33656
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 16.3 12.6 18.8

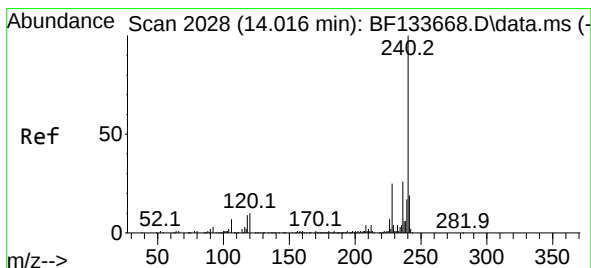
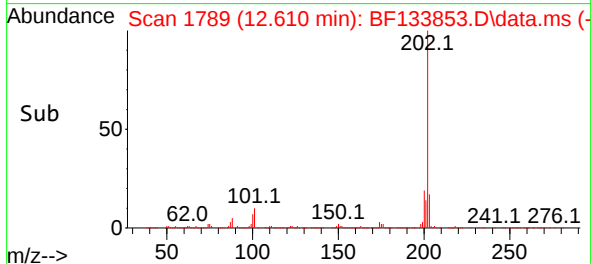
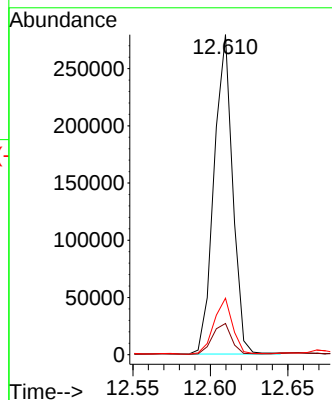
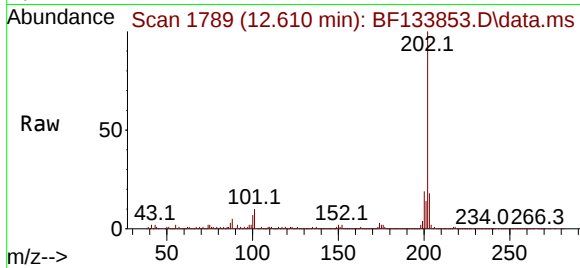




#75
Fluoranthene
Concen: 21.567 ng
RT: 12.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

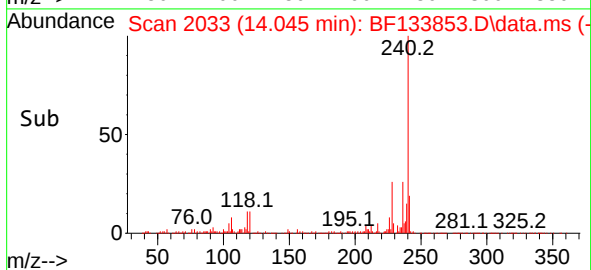
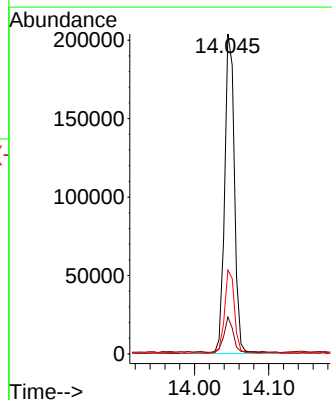
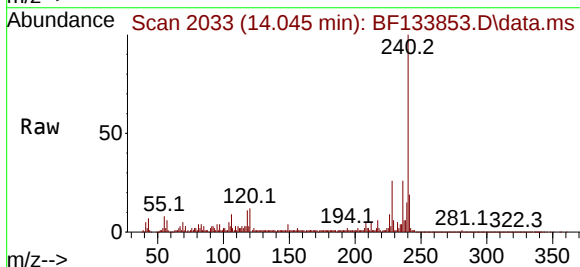
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16RE

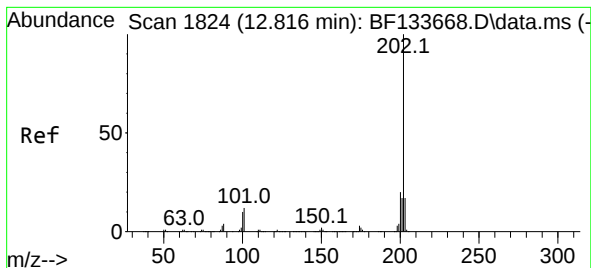
Tgt Ion:202 Resp: 233061
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.6
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

Tgt Ion:240 Resp: 187503
Ion Ratio Lower Upper
240 100
120 11.6 8.1 12.1
236 26.2 20.5 30.7





#78

Pyrene

Concen: 12.443 ng

RT: 12.839 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16RE

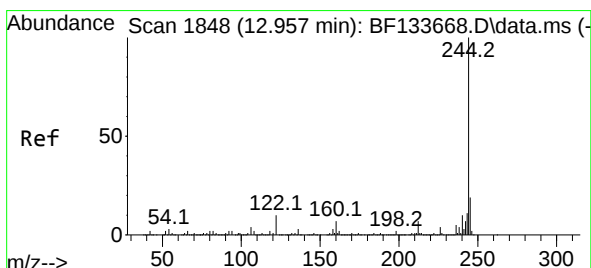
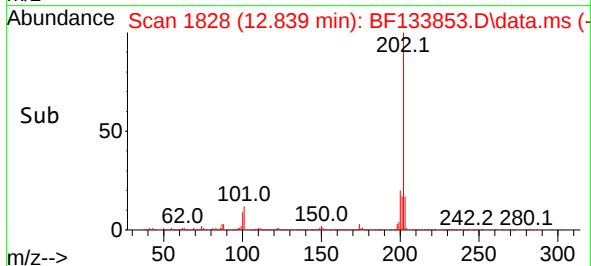
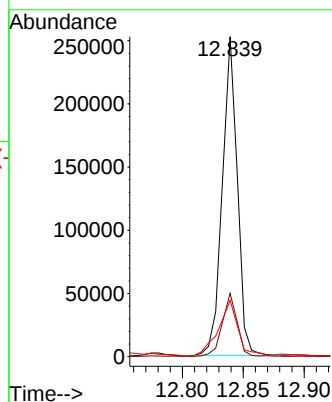
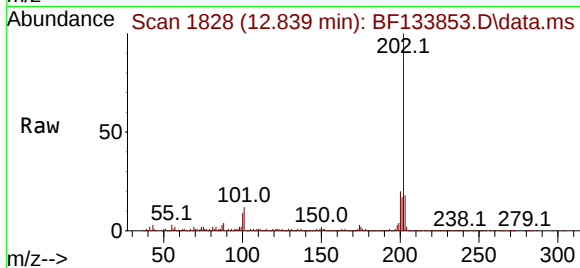
Tgt Ion:202 Resp: 217343

Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

203 17.6 13.9 20.9



#79

Terphenyl-d14

Concen: 24.632 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

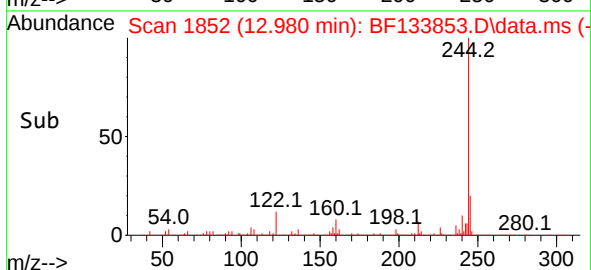
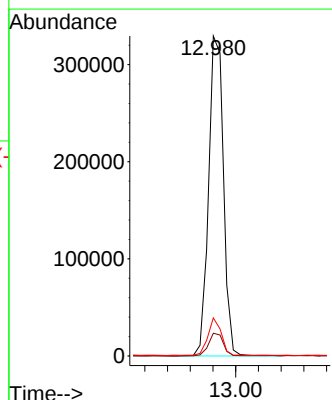
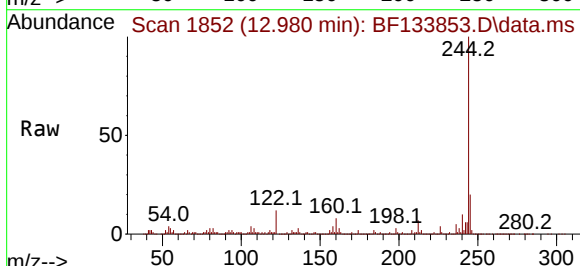
Tgt Ion:244 Resp: 298486

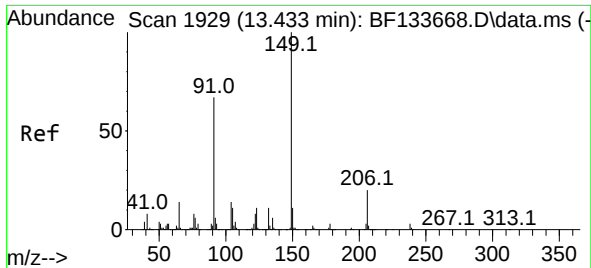
Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 11.9 8.1 12.1

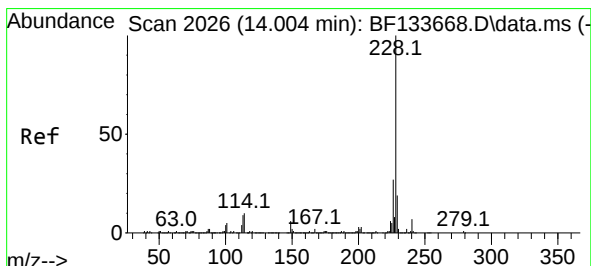
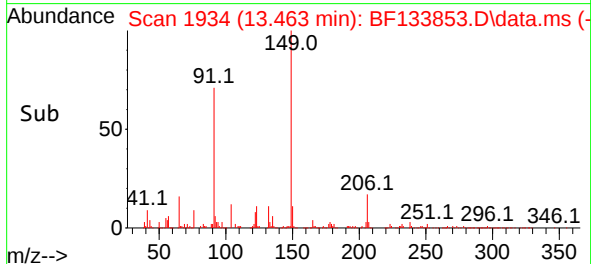
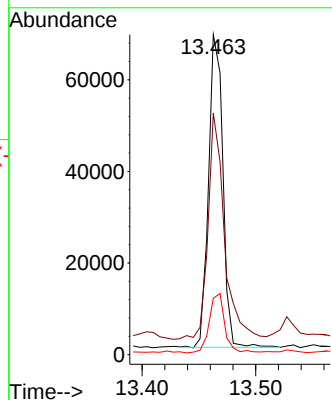
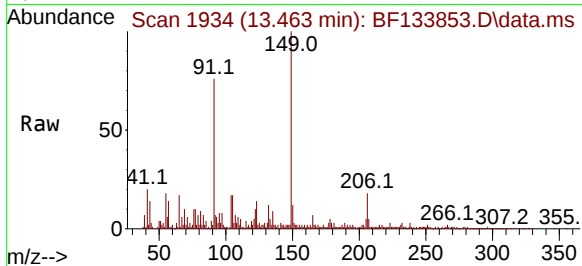




#80
Butylbenzylphthalate
Concen: 8.098 ng
RT: 13.463 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

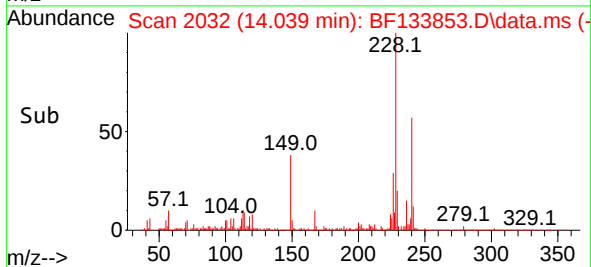
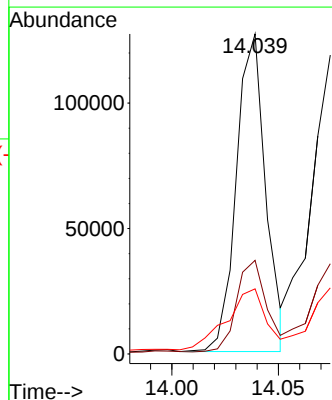
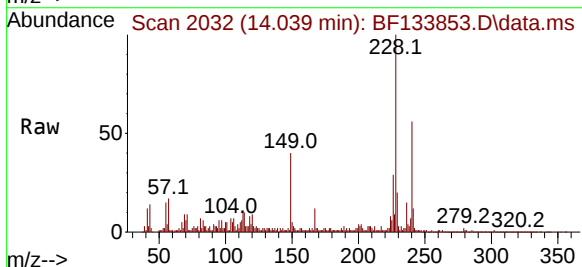
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16RE

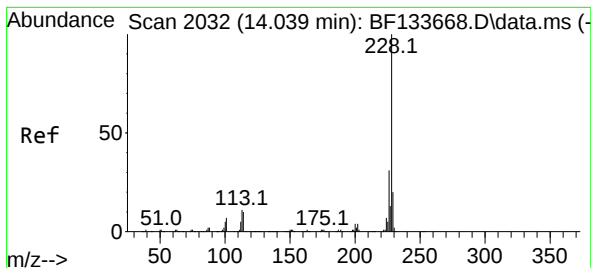
Tgt Ion:149 Resp: 59716
Ion Ratio Lower Upper
149 100
91 75.6 54.0 81.0
206 17.6 15.6 23.4



#81
Benzo(a)anthracene
Concen: 9.372 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

Tgt Ion:228 Resp: 121556
Ion Ratio Lower Upper
228 100
226 29.3 21.7 32.5
229 20.3 15.4 23.2





#83

Chrysene

Concen: 9.470 ng

RT: 14.074 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16RE

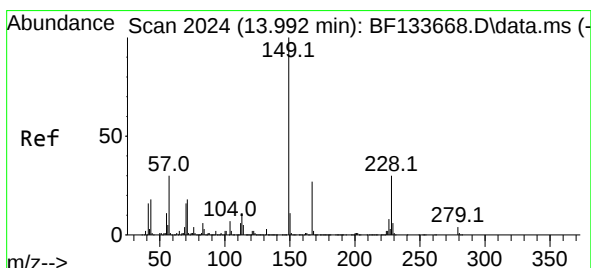
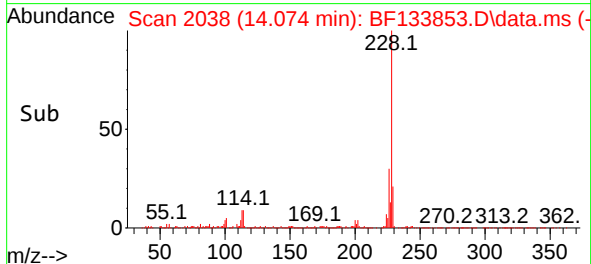
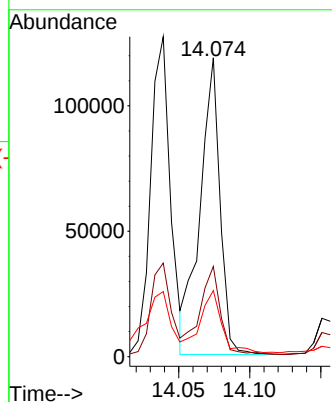
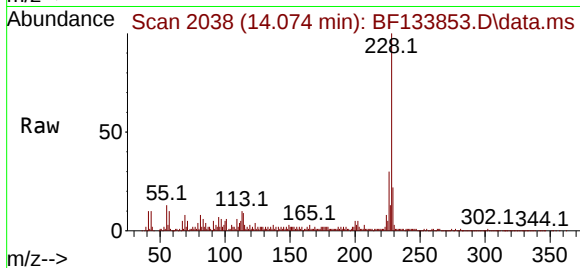
Tgt Ion:228 Resp: 116163

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

229 22.1 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 21.417 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

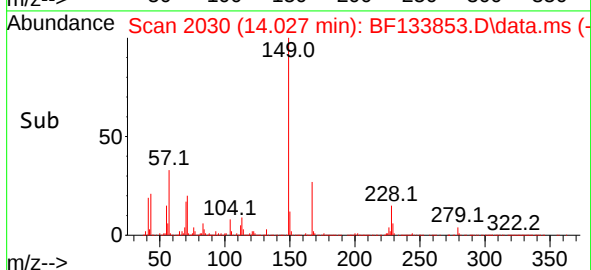
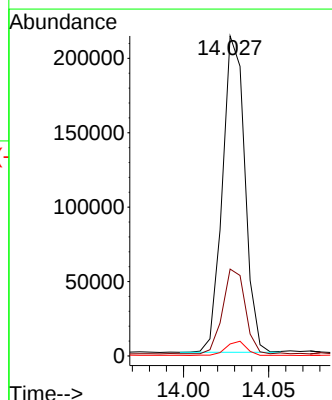
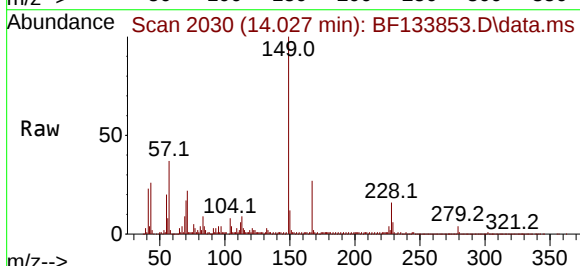
Tgt Ion:149 Resp: 194447

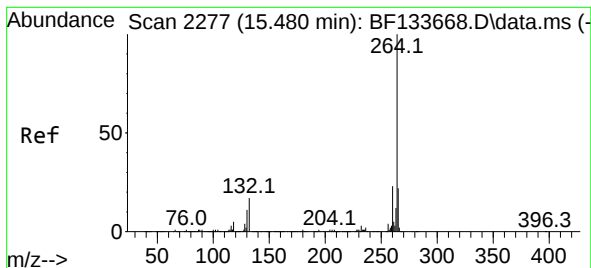
Ion Ratio Lower Upper

149 100

167 27.2 21.8 32.8

279 3.7 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: BF133853.D

Acq: 20 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16RE

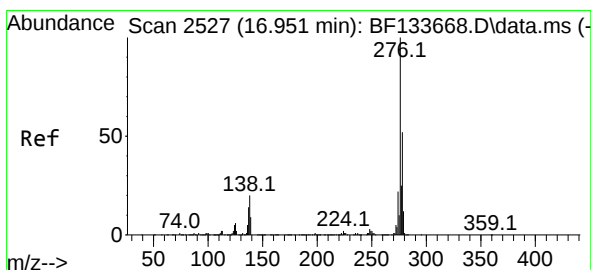
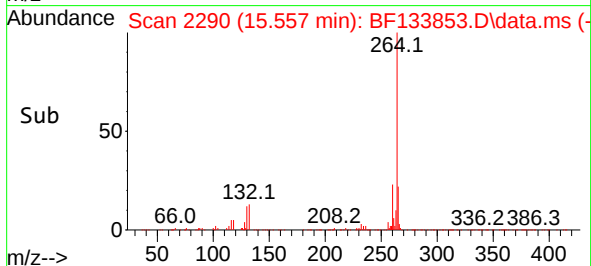
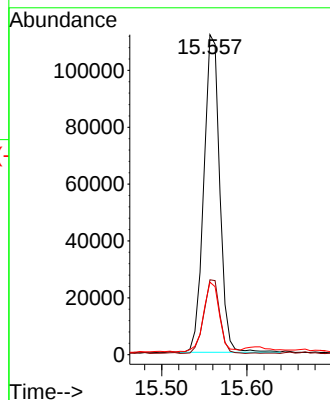
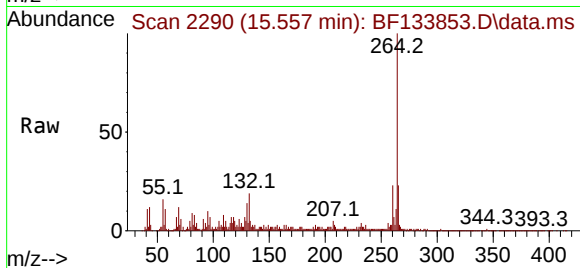
Tgt Ion:264 Resp: 144691

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.2

265 22.6 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.306 ng

RT: 17.098 min Scan# 2552

Delta R.T. 0.000 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

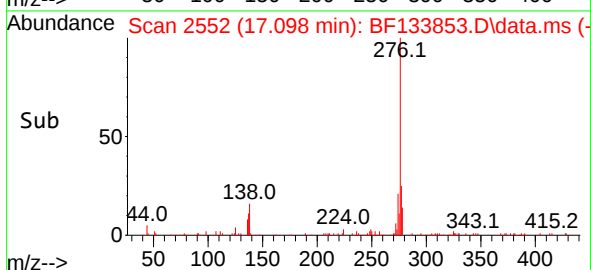
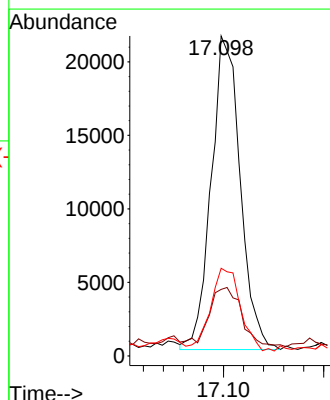
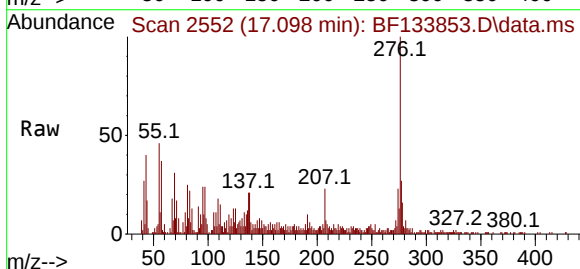
Tgt Ion:276 Resp: 42867

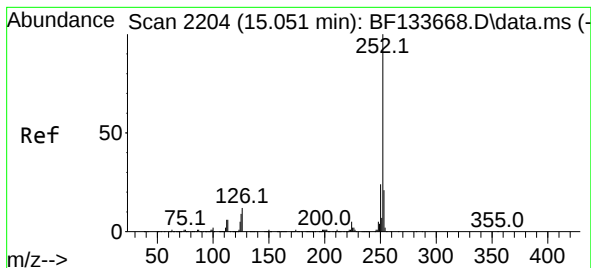
Ion Ratio Lower Upper

276 100

138 21.0 17.9 26.9

277 27.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 19.774 ng

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16RE

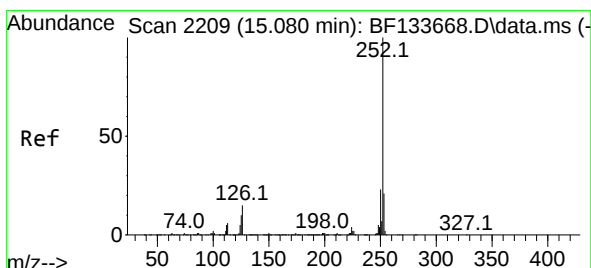
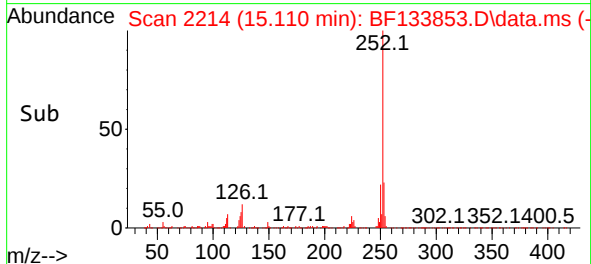
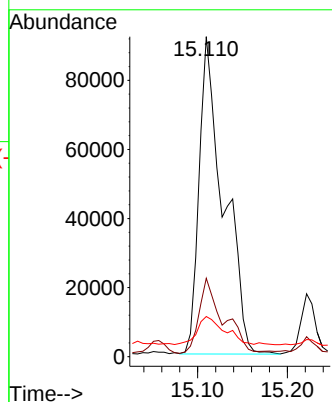
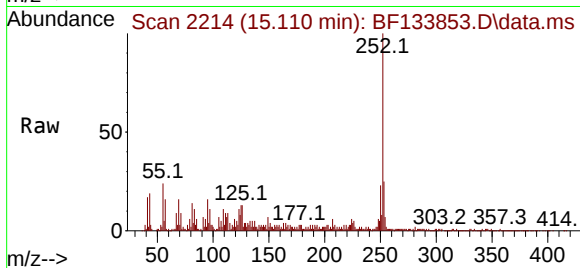
Tgt Ion:252 Resp: 173798

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.6

125 12.6 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 20.299 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.023 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

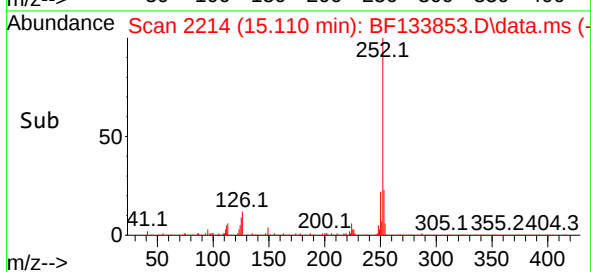
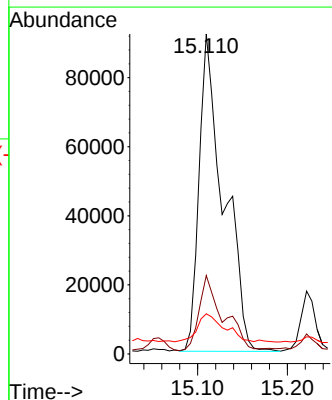
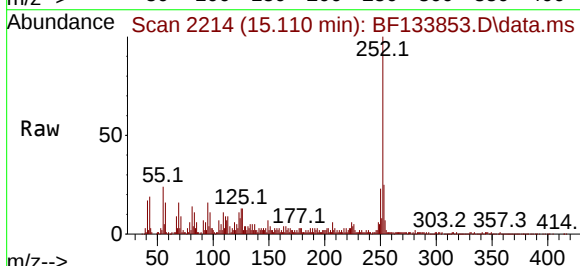
Tgt Ion:252 Resp: 173798

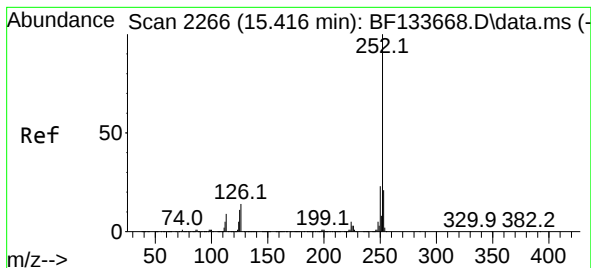
Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.4

125 12.6 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 9.978 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

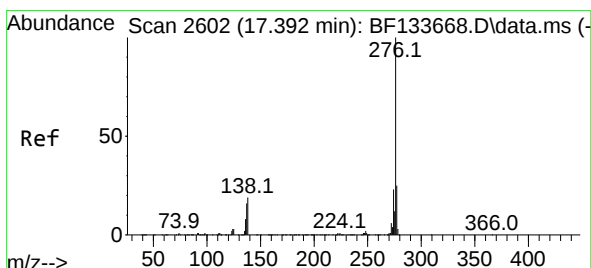
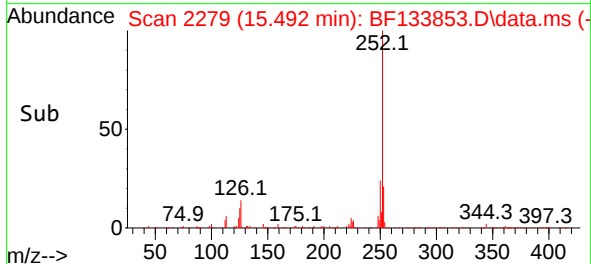
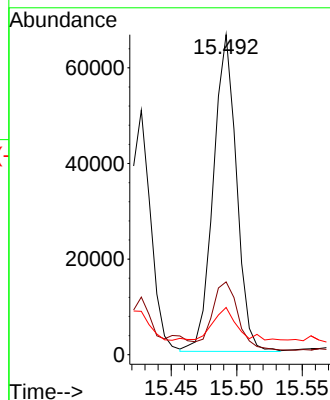
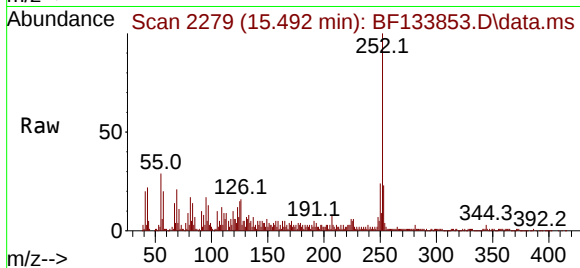
Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16RE

Tgt Ion:252	Resp:	81393
Ion Ratio	Lower	Upper
252	100	
253	22.7	17.1 25.7
125	14.7	8.6 13.0#



#92

Benzo(g,h,i)perylene

Concen: 5.120 ng

RT: 17.568 min Scan# 2632

Delta R.T. -0.006 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

Tgt Ion:276	Resp:	41835
Ion Ratio	Lower	Upper
276	100	
277	26.3	19.8 29.8
138	28.9	15.0 22.4#

