

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133928.D
 Acq On : 23 Jun 2023 05:46
 Operator : CG\JU
 Sample :
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW03-8-15

Quant Time: Jun 23 06:08:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 23 02:21:26 2023
 Response via : Initial Calibration

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

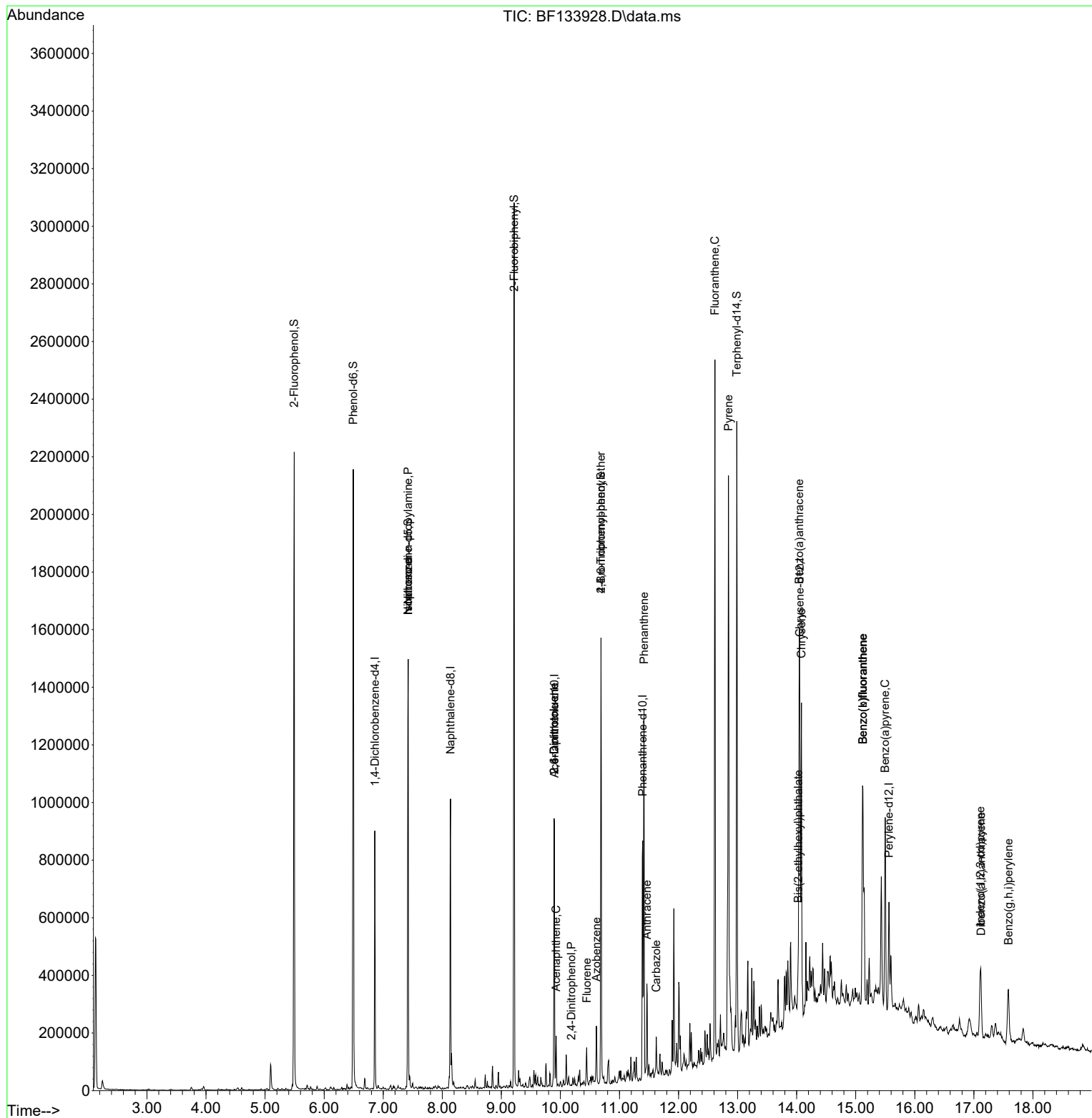
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	116343	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	423757	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	191069	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	311524	20.000	ng	0.00
76) Chrysene-d12	14.051	240	213021	20.000	ng	0.00
86) Perylene-d12	15.563	264	177551	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	556589	83.285	ng	0.00
7) Phenol-d6	6.493	99	664325	76.369	ng	0.00
23) Nitrobenzene-d5	7.422	82	447184	57.478	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	170836	70.634	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	830853	61.814	ng	0.00
79) Terphenyl-d14	12.986	244	711812	51.705	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	64475	11.649	ng	# 76
25) Isophorone	7.422	82	447179	31.308	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	26340	8.948	ng	# 28
52) Acenaphthene	9.928	154	28809	2.558	ng	96
54) 2,4-Dinitrophenol	10.186	184	66	5.759	ng	# 16
57) 2,4-Dinitrotoluene	9.892	165	26340	7.035	ng	# 19
58) Fluorene	10.445	166	33930	2.582	ng	97
63) Azobenzene	10.610	77	28881	2.102	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	10787	3.102	ng	# 1
71) Phenanthrene	11.416	178	447853	28.336	ng	99
72) Anthracene	11.463	178	125785	7.633	ng	100
73) Carbazole	11.622	167	47879	3.119	ng	96
75) Fluoranthene	12.616	202	947221	56.436	ng	99
78) Pyrene	12.845	202	853386	43.005	ng	99
81) Benzo(a)anthracene	14.045	228	483043	32.783	ng	97
83) Chrysene	14.080	228	422176	30.293	ng	96
84) Bis(2-ethylhexyl)phtha...	14.027	149	22896	2.220	ng	99
87) Indeno(1,2,3-cd)pyrene	17.110	276	178156	14.585	ng	96
88) Benzo(b)fluoranthene	15.121	252	633020	58.692	ng	95
89) Benzo(k)fluoranthene	15.121	252	633020	60.251	ng	95
90) Benzo(a)pyrene	15.498	252	318506	31.820	ng	98
91) Dibenzo(a,h)anthracene	17.121	278	45646	4.514	ng	94
92) Benzo(g,h,i)perylene	17.586	276	167882	16.744	ng	98

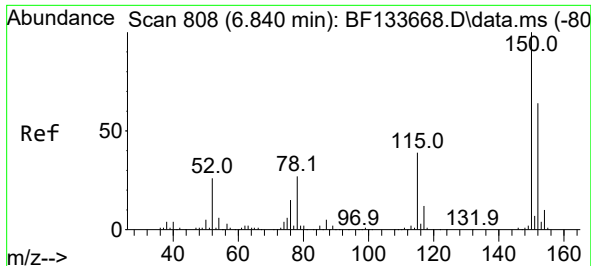
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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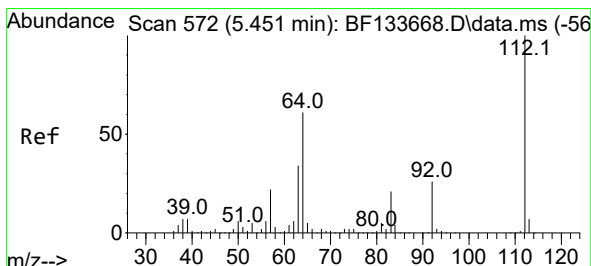
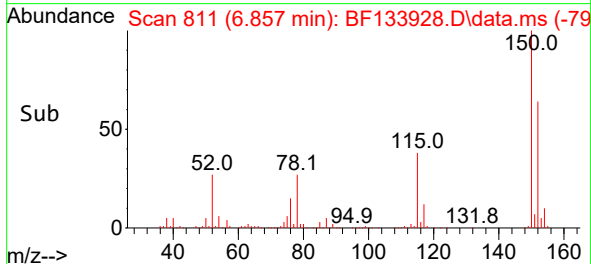
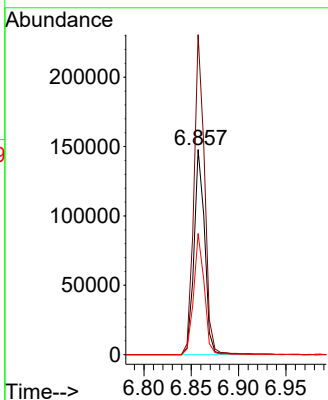
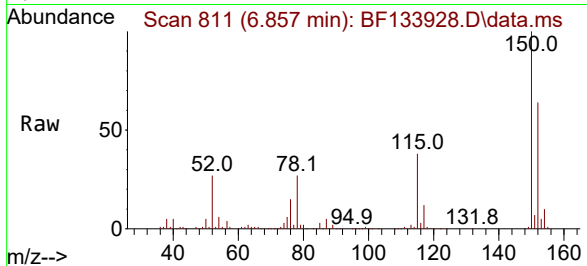




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

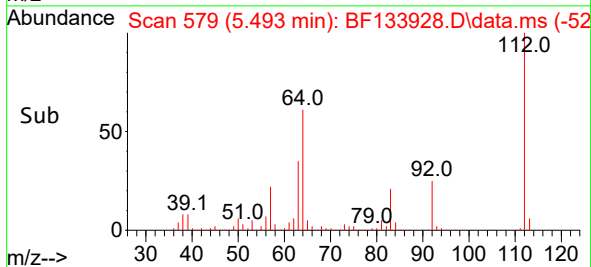
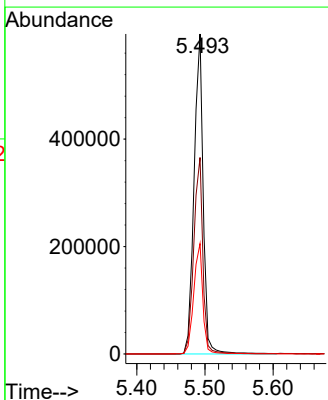
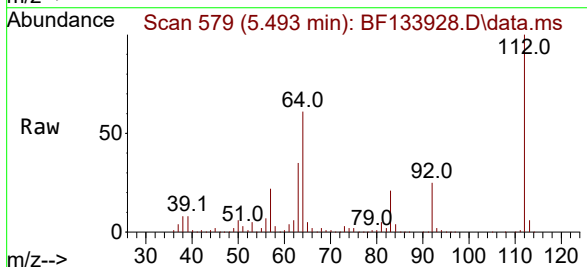
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW03-8-15

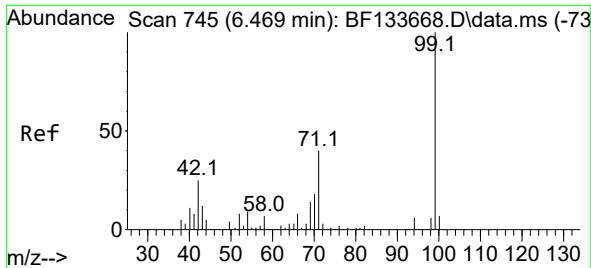
Tgt Ion:152 Resp: 116343
Ion Ratio Lower Upper
152 100
150 155.9 124.3 186.5
115 59.0 48.5 72.7



#5
2-Fluorophenol
Concen: 83.285 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

Tgt Ion:112 Resp: 556589
Ion Ratio Lower Upper
112 100
64 61.4 49.0 73.4
63 34.5 26.8 40.2

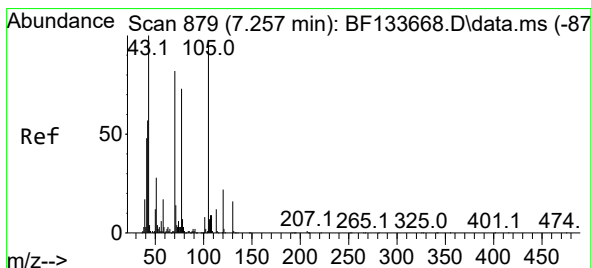
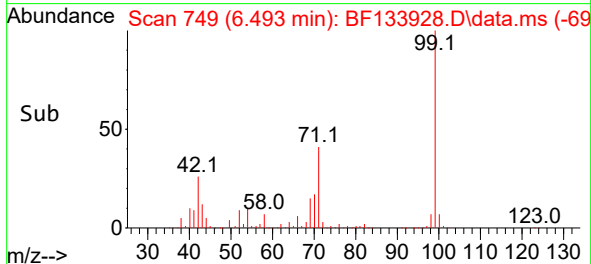
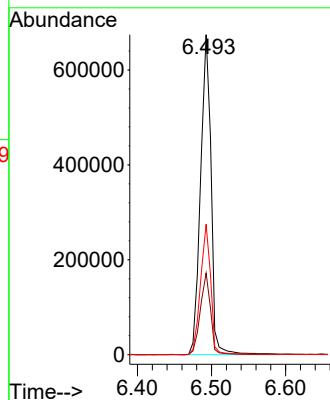
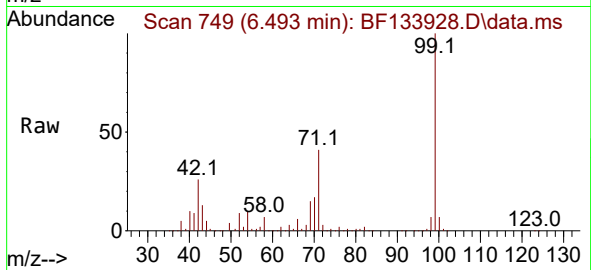




#7
Phenol-d6
Concen: 76.369 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

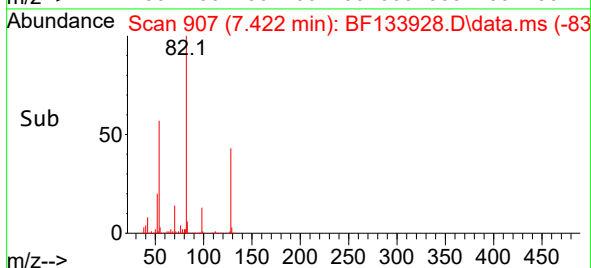
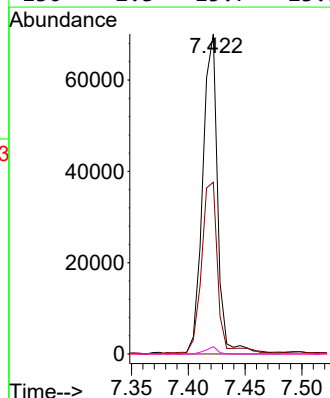
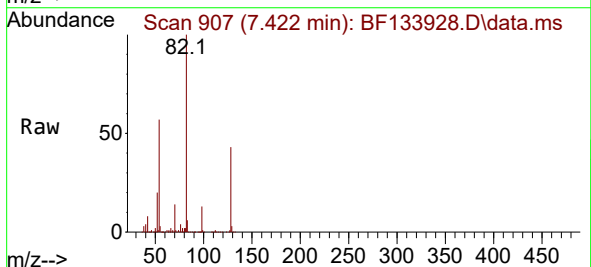
Instrument :
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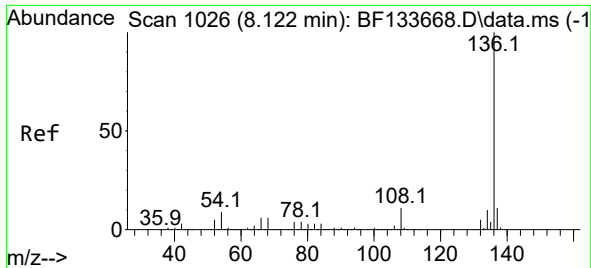
Tgt Ion: 99 Resp: 664325
Ion Ratio Lower Upper
99 100
42 25.5 19.9 29.9
71 40.8 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.649 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.147 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

Tgt Ion: 70 Resp: 64475
Ion Ratio Lower Upper
70 100
42 53.6 55.8 83.8#
101 0.0 8.1 12.1#
130 2.3 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.140 min Scan# 1029

Delta R.T. 0.000 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW03-8-15

Tgt Ion:136 Resp: 423757

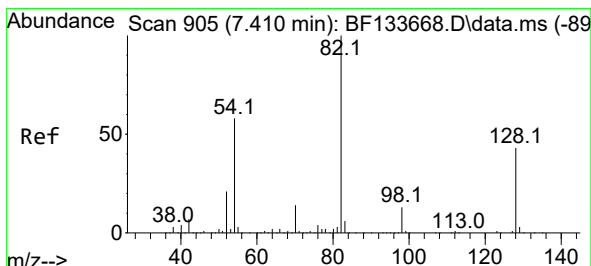
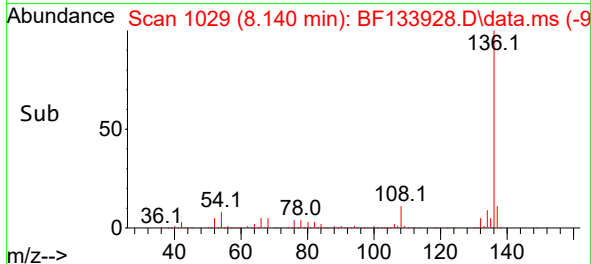
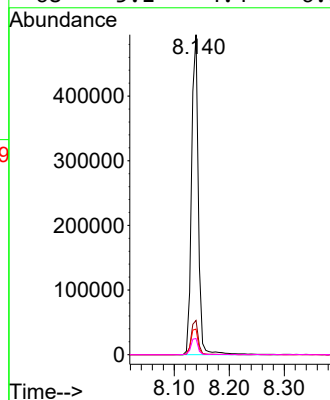
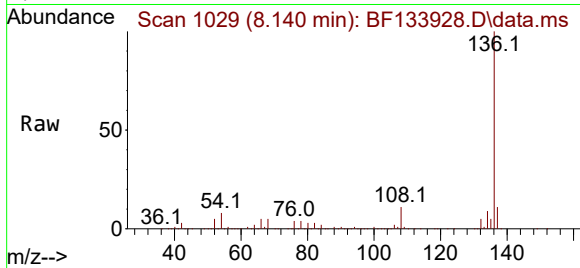
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 8.0 7.4 11.0

68 5.1 4.4 6.6



#23

Nitrobenzene-d5

Concen: 57.478 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

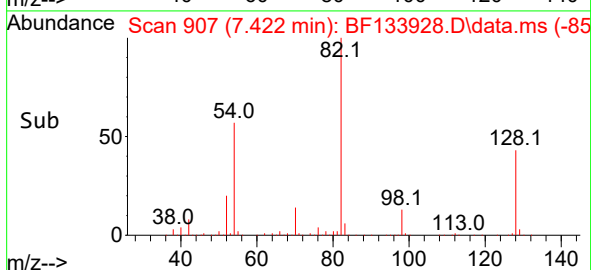
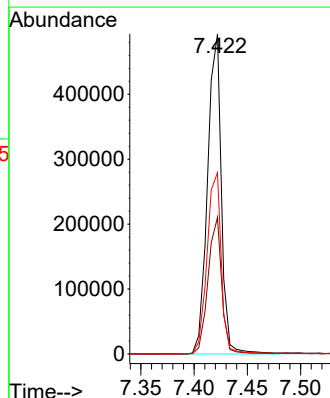
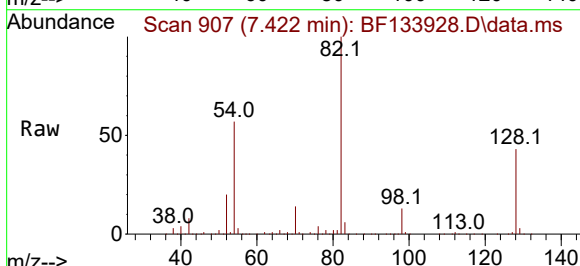
Tgt Ion: 82 Resp: 447184

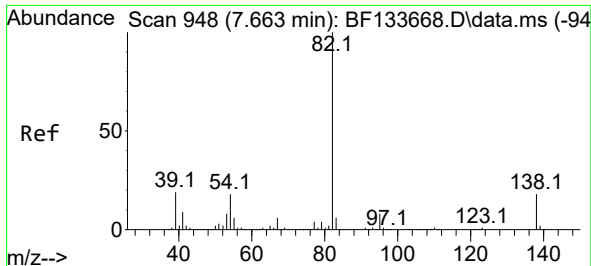
Ion Ratio Lower Upper

82 100

128 42.7 34.2 51.2

54 56.7 46.5 69.7

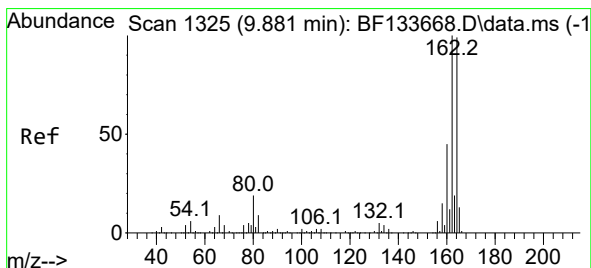
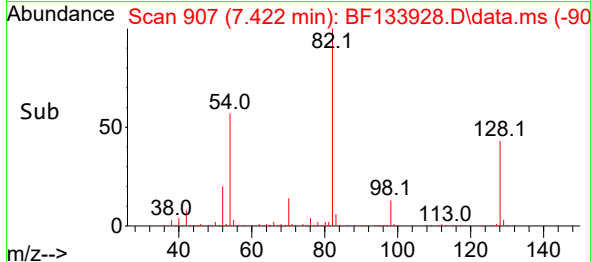
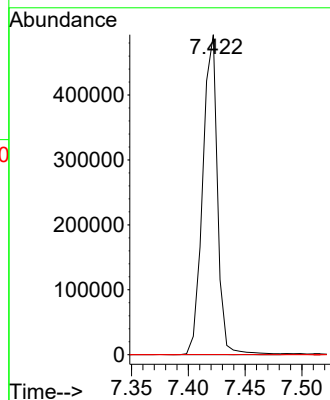
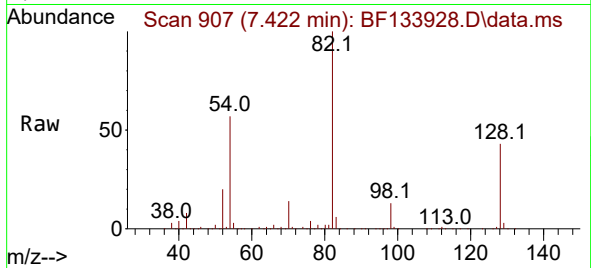




#25
Isophorone
Concen: 31.308 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

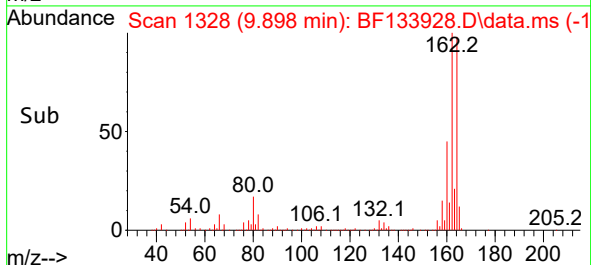
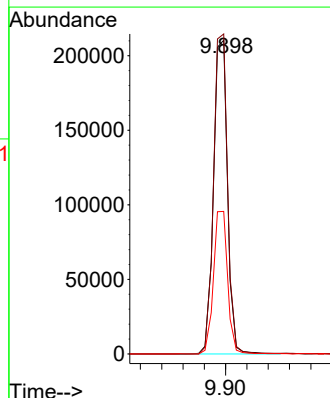
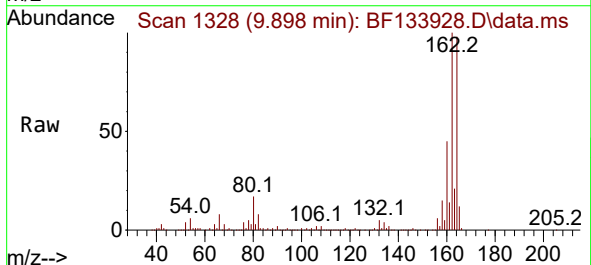
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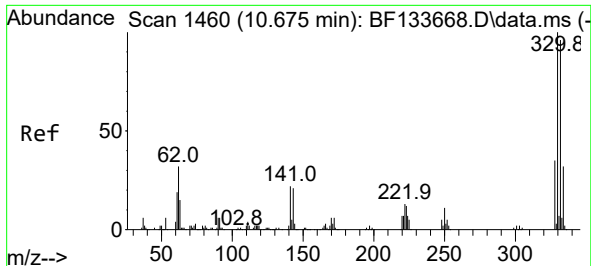
Tgt Ion: 82 Resp: 447179
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

Tgt Ion:164 Resp: 191069
Ion Ratio Lower Upper
164 100
162 102.0 80.8 121.2
160 45.4 36.7 55.1

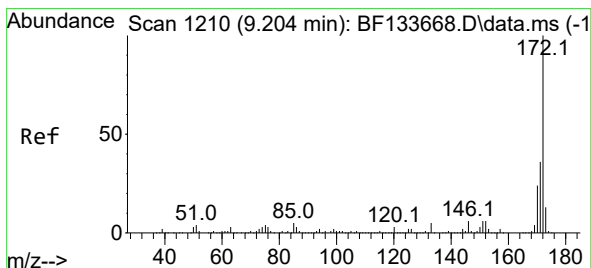
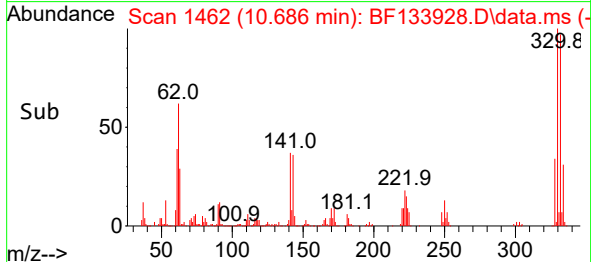
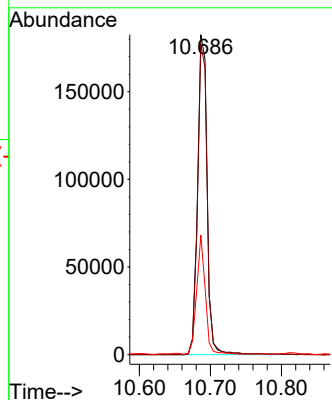
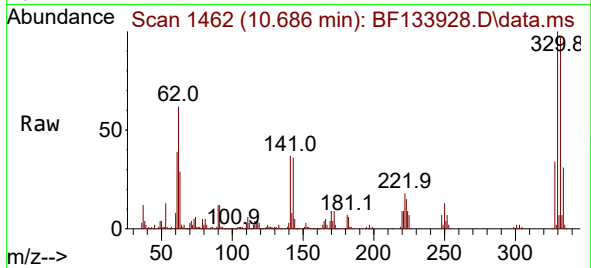




#42
2,4,6-Tribromophenol
Concen: 70.634 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

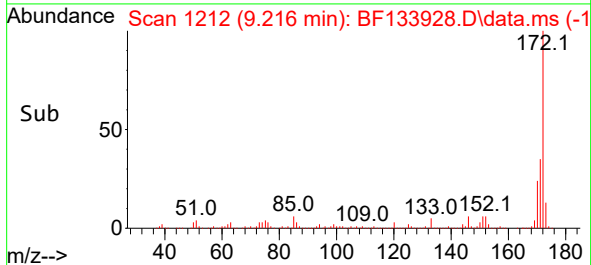
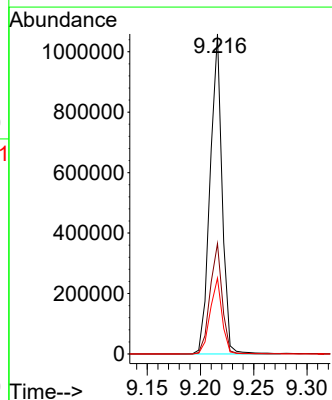
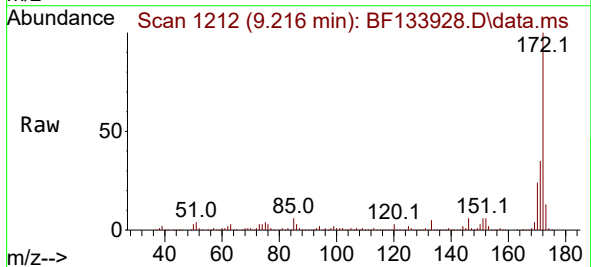
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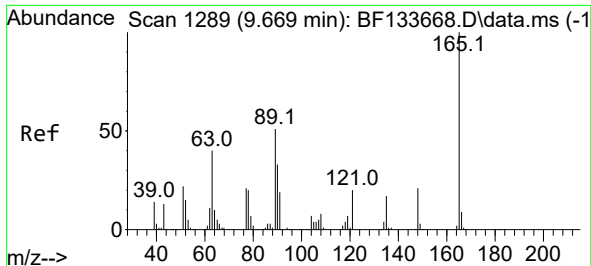
Tgt Ion:330 Resp: 170836
Ion Ratio Lower Upper
330 100
332 96.9 77.2 115.8
141 33.9 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 61.814 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

Tgt Ion:172 Resp: 830853
Ion Ratio Lower Upper
172 100
171 34.5 28.6 43.0
170 23.7 19.1 28.7

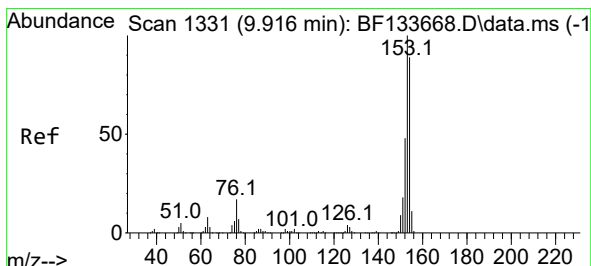
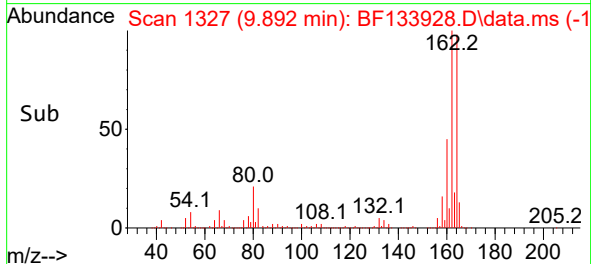
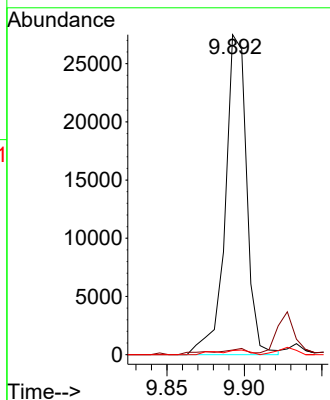
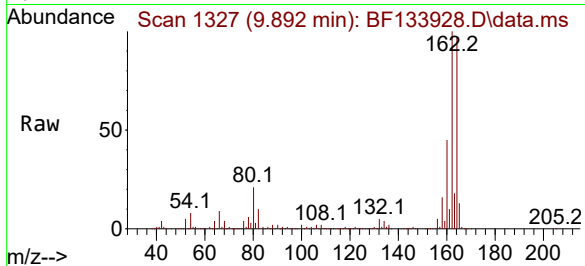




#51
2,6-Dinitrotoluene
Concen: 8.948 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

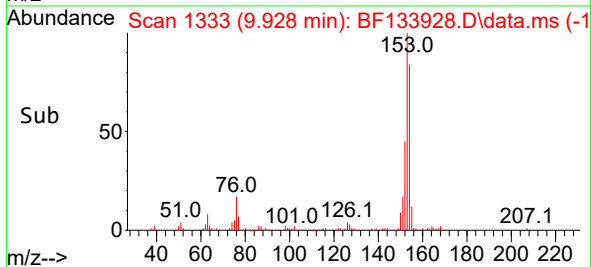
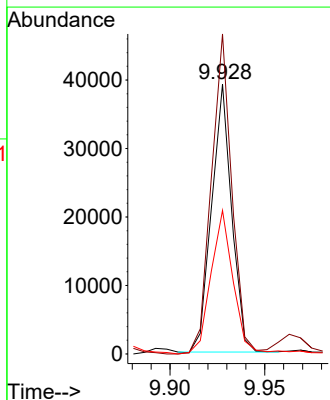
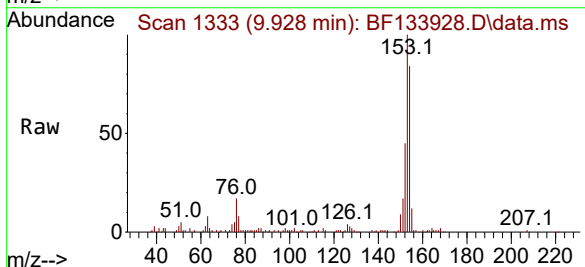
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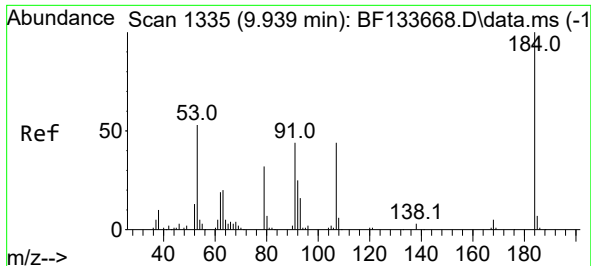
Tgt Ion:165 Resp: 26340
Ion Ratio Lower Upper
165 100
63 1.5 42.1 63.1#
89 1.3 40.9 61.3#



#52
Acenaphthene
Concen: 2.558 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

Tgt Ion:154 Resp: 28809
Ion Ratio Lower Upper
154 100
153 118.6 89.8 134.8
152 53.2 43.4 65.2

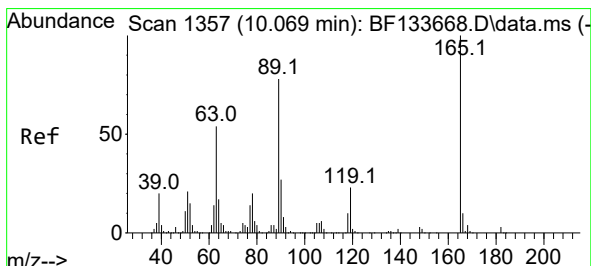
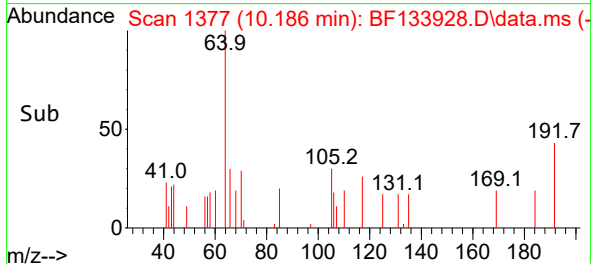
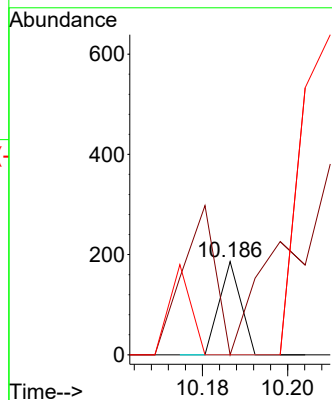
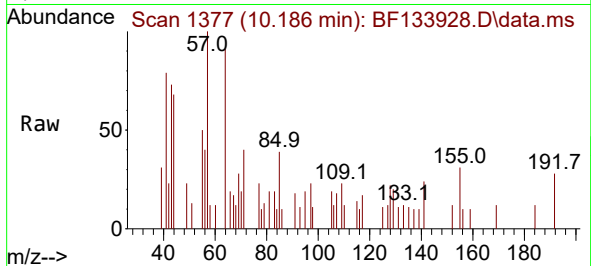




#54
2,4-Dinitrophenol
Concen: 5.759 ng
RT: 10.186 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

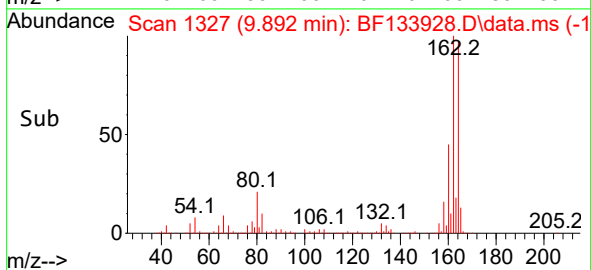
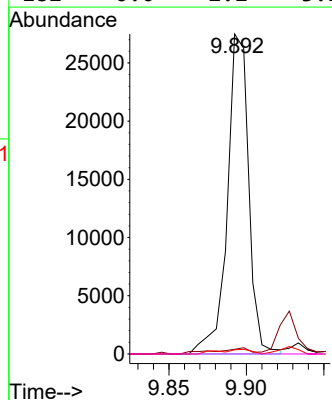
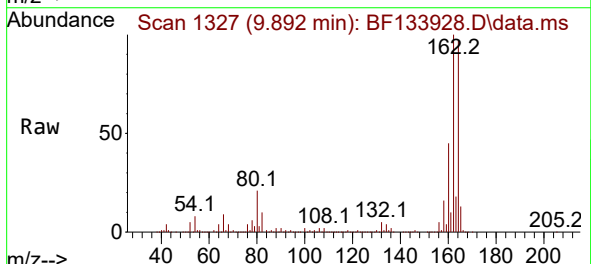
Instrument :
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COMPOSIT-SW03-8-15

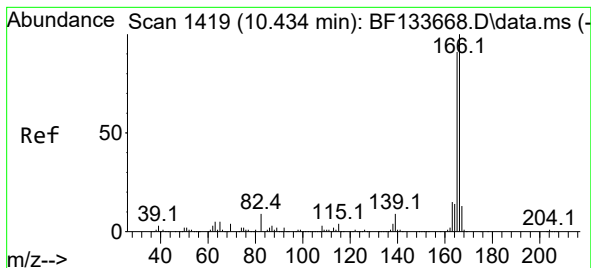
Tgt Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 0.0 55.3 82.9#
154 0.0 51.9 77.9#



#57
2,4-Dinitrotoluene
Concen: 7.035 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

Tgt Ion:165 Resp: 26340
Ion Ratio Lower Upper
165 100
63 1.5 43.0 64.6#
89 1.3 62.6 93.8#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: 2.582 ng

RT: 10.445 min Scan# 1419

Delta R.T. -0.006 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW03-8-15

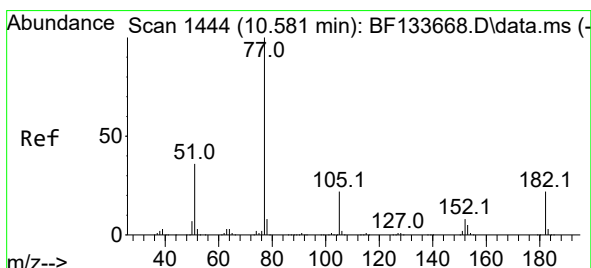
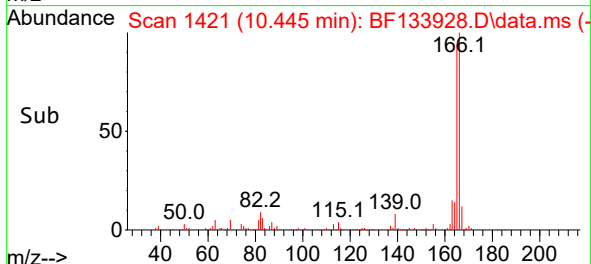
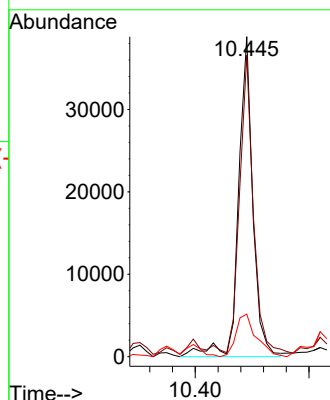
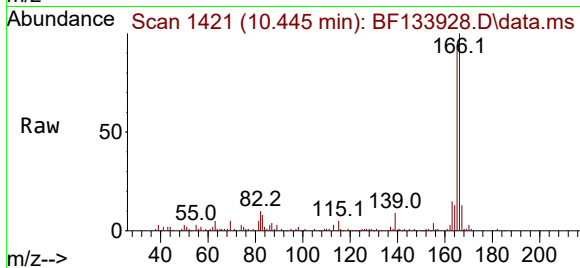
Tgt Ion:166 Resp: 33930

Ion Ratio Lower Upper

166 100

165 94.3 73.1 109.7

167 13.3 10.5 15.7



#63

Azobenzene

Concen: 2.102 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

Tgt Ion: 77 Resp: 28881

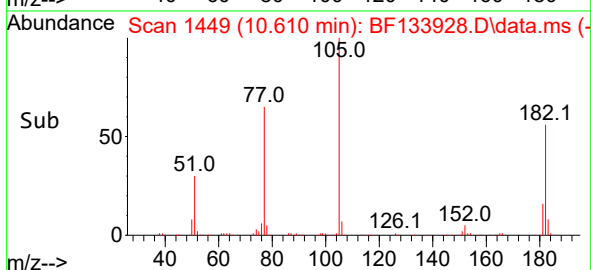
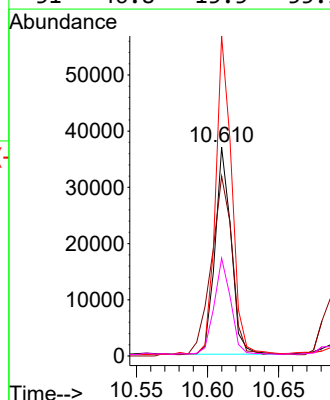
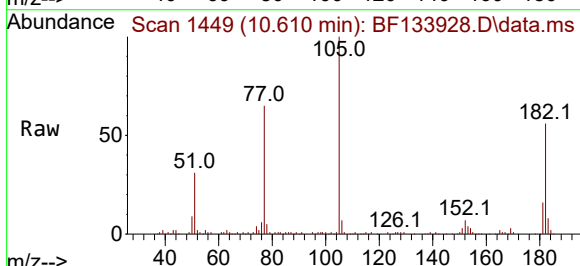
Ion Ratio Lower Upper

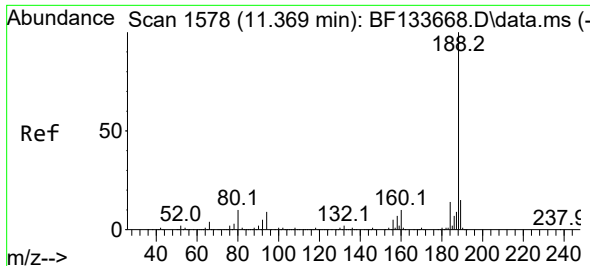
77 100

182 86.1 1.6 41.6#

105 153.2 1.6 41.6#

51 46.8 15.5 55.5

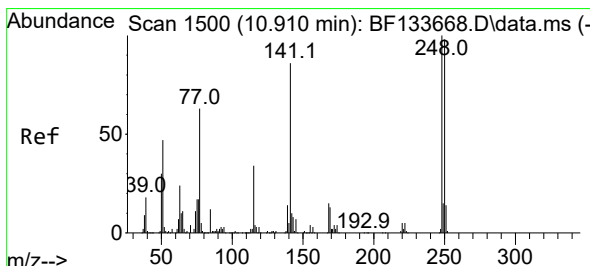
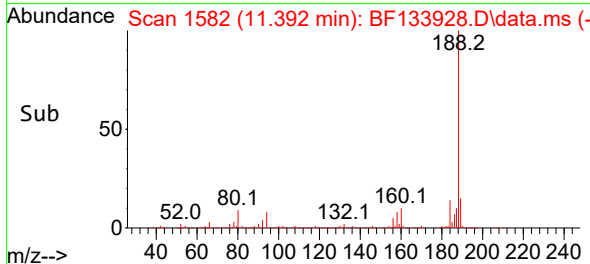
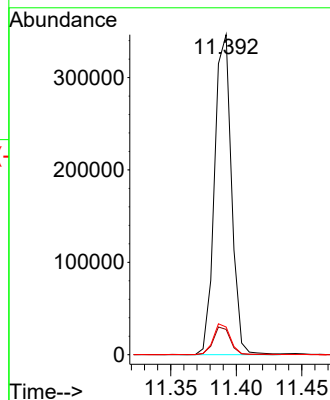
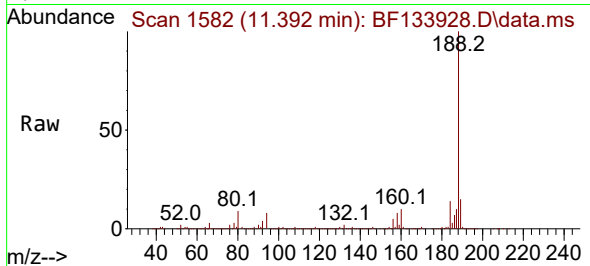




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

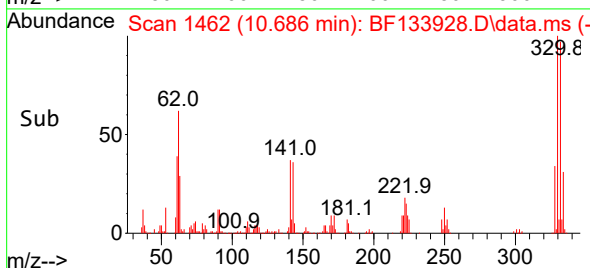
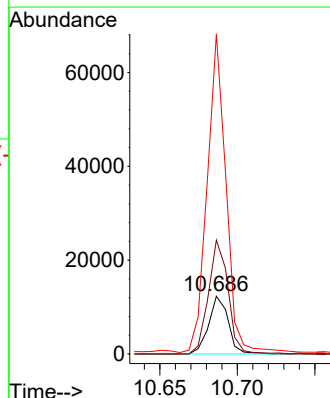
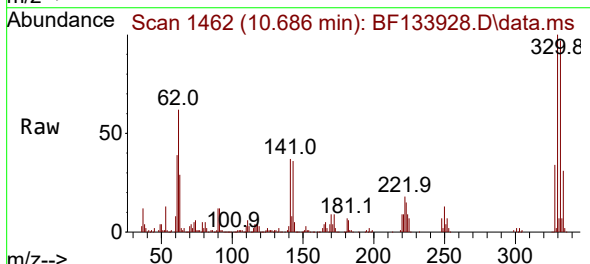
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW03-8-15

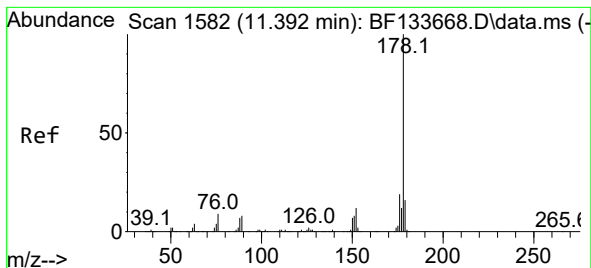
Tgt Ion:188 Resp: 311524
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.7 7.8 11.6



#67
4-Bromophenyl-phenylether
Concen: 3.102 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

Tgt Ion:248 Resp: 10787
Ion Ratio Lower Upper
248 100
250 197.1 78.3 117.5#
141 553.7 69.0 103.6#





#71

Phenanthrene

Concen: 28.336 ng

RT: 11.416 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW03-8-15

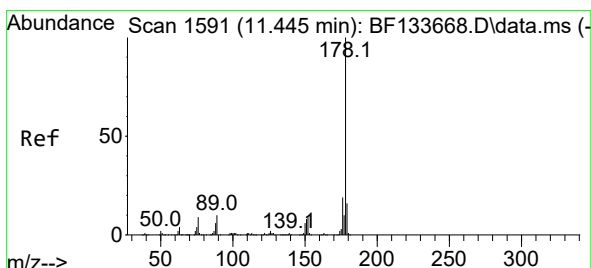
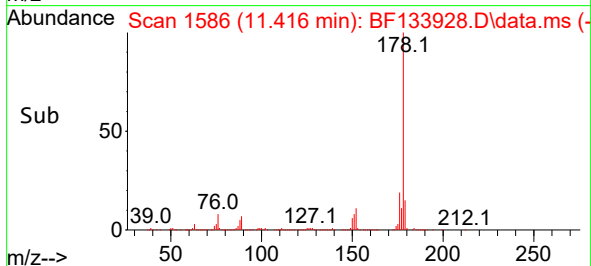
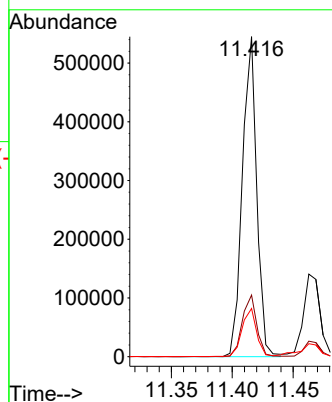
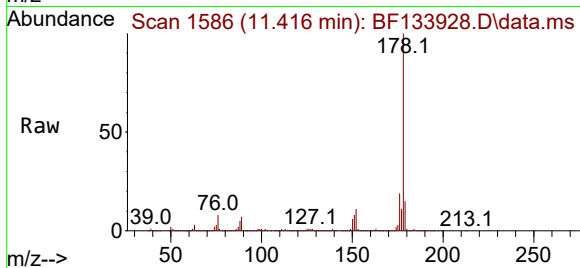
Tgt Ion:178 Resp: 447853

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

179 15.0 12.4 18.6



#72

Anthracene

Concen: 7.633 ng

RT: 11.463 min Scan# 1594

Delta R.T. -0.012 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

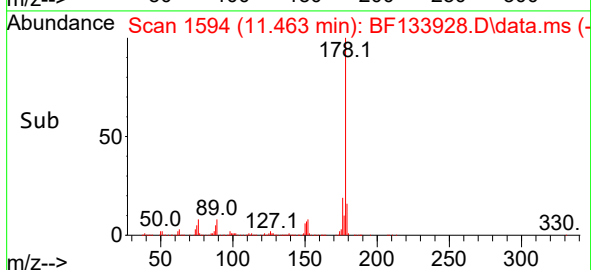
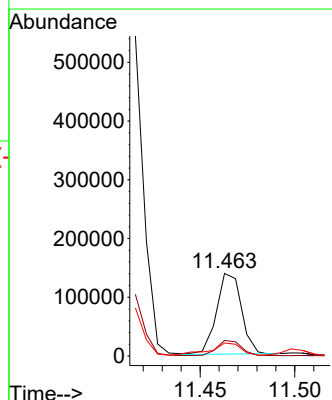
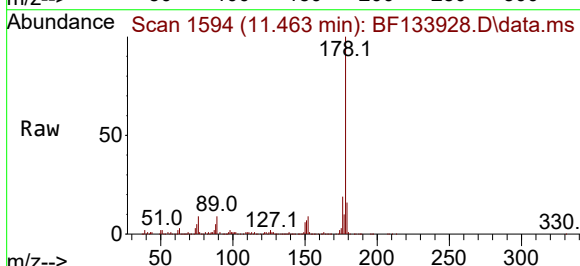
Tgt Ion:178 Resp: 125785

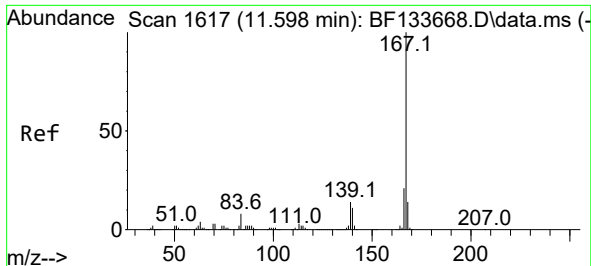
Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.8 12.6 18.8

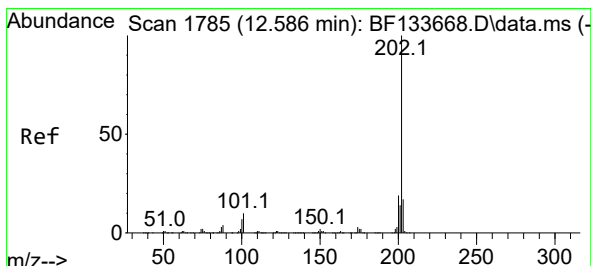
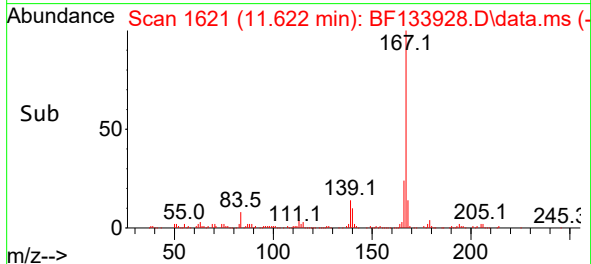
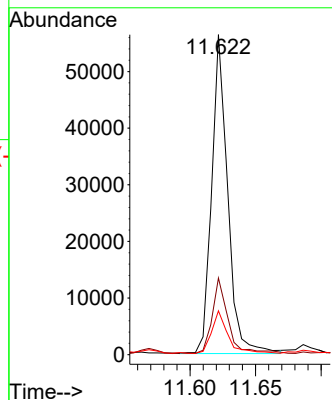
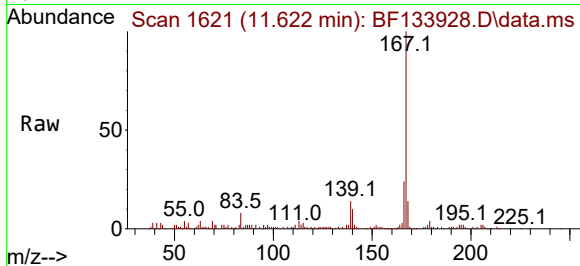




#73
 Carbazole
 Concen: 3.119 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF133928.D
 Acq: 23 Jun 2023 05:46

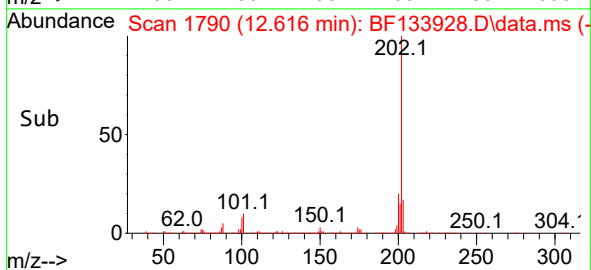
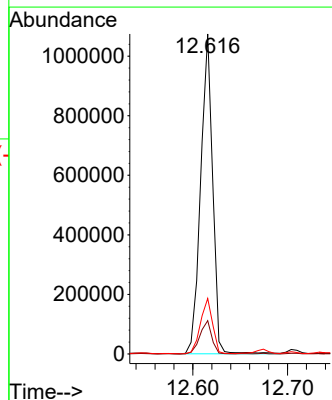
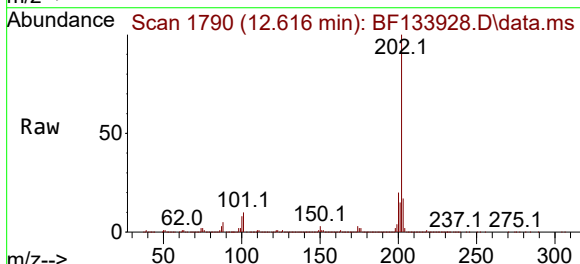
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW03-8-15

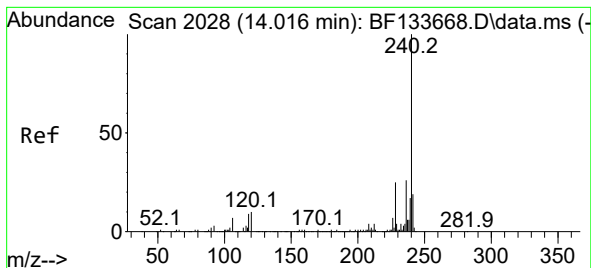
Tgt Ion:167 Resp: 47879
 Ion Ratio Lower Upper
 167 100
 166 23.9 17.0 25.6
 139 13.7 11.2 16.8



#75
 Fluoranthene
 Concen: 56.436 ng
 RT: 12.616 min Scan# 1790
 Delta R.T. 0.000 min
 Lab File: BF133928.D
 Acq: 23 Jun 2023 05:46

Tgt Ion:202 Resp: 947221
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 29.6
 203 17.3 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW03-8-15

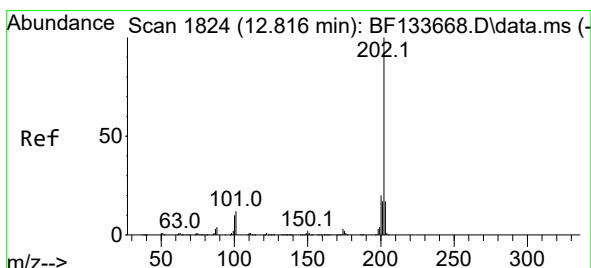
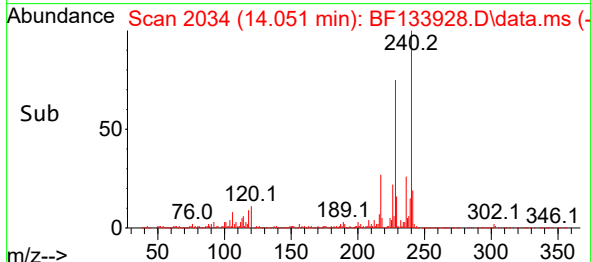
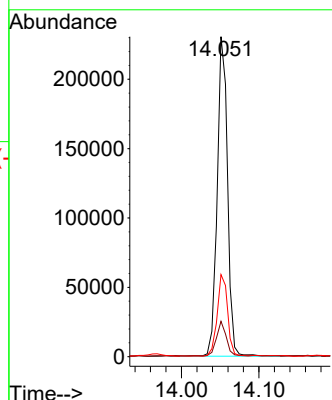
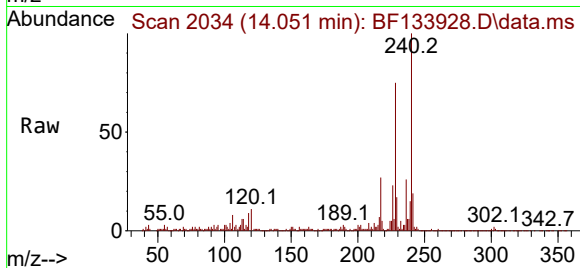
Tgt Ion:240 Resp: 213021

Ion Ratio Lower Upper

240 100

120 11.1 8.1 12.1

236 25.7 20.5 30.7



#78

Pyrene

Concen: 43.005 ng

RT: 12.845 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

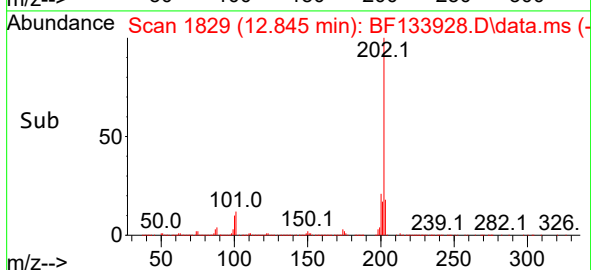
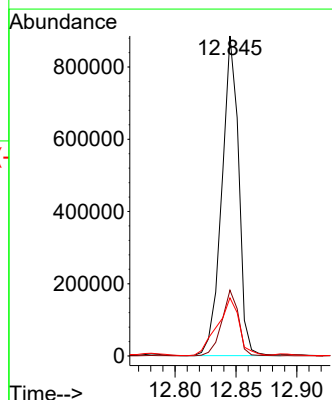
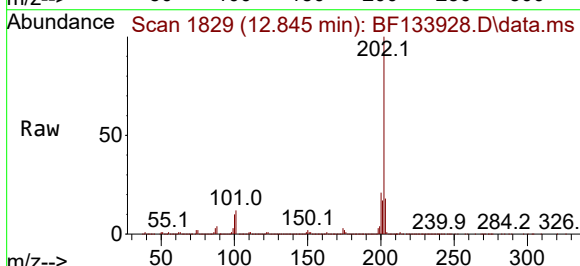
Tgt Ion:202 Resp: 853386

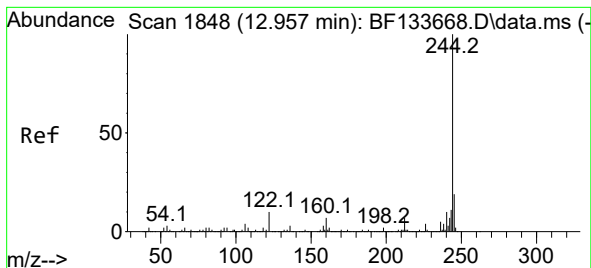
Ion Ratio Lower Upper

202 100

200 20.6 16.2 24.2

203 18.2 13.9 20.9





#79

Terphenyl-d14

Concen: 51.705 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW03-8-15

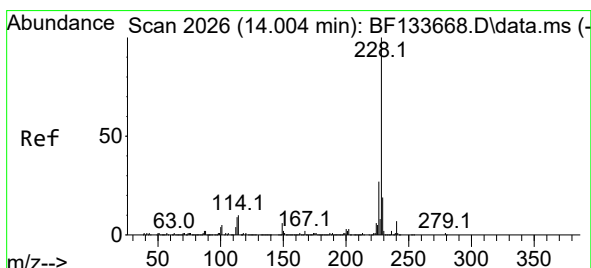
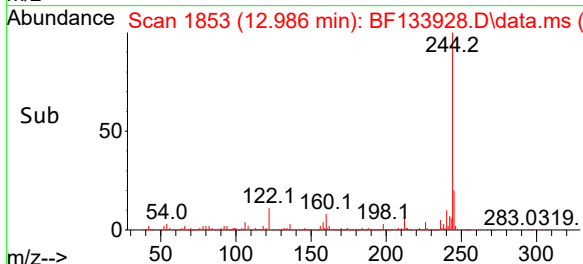
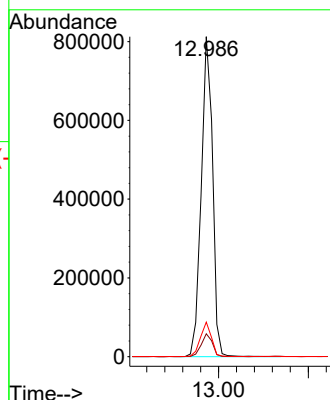
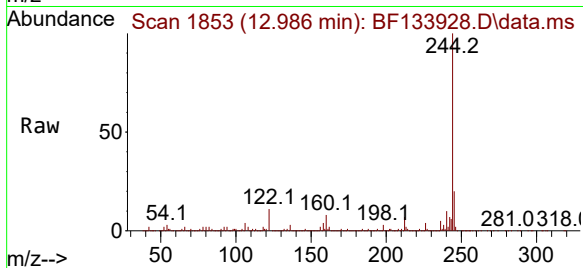
Tgt Ion:244 Resp: 711812

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

122 10.8 8.1 12.1



#81

Benzo(a)anthracene

Concen: 32.783 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

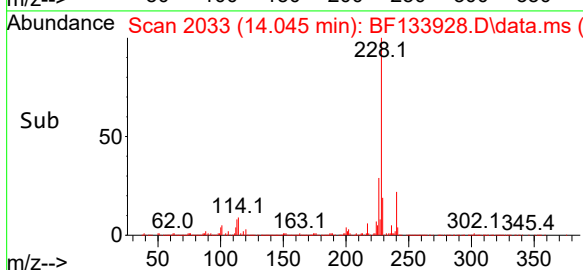
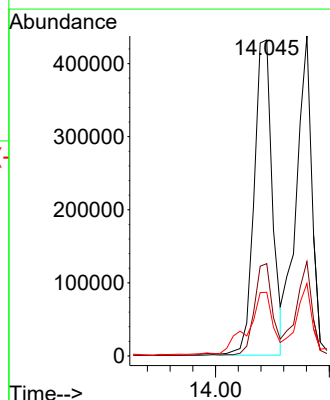
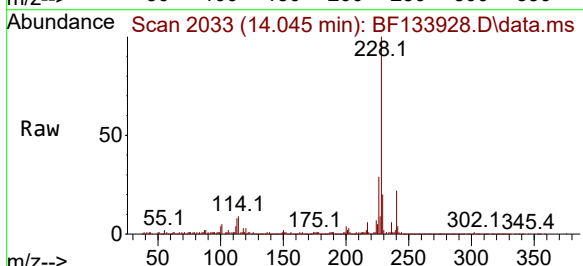
Tgt Ion:228 Resp: 483043

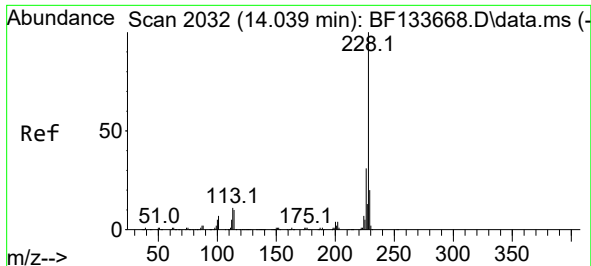
Ion Ratio Lower Upper

228 100

226 29.2 21.7 32.5

229 20.2 15.4 23.2

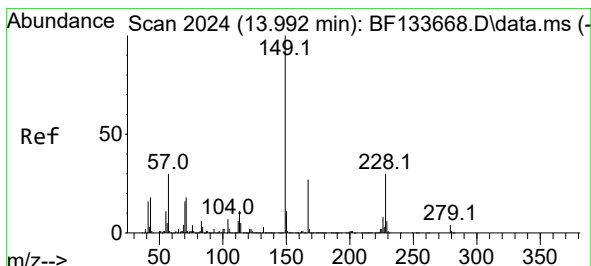
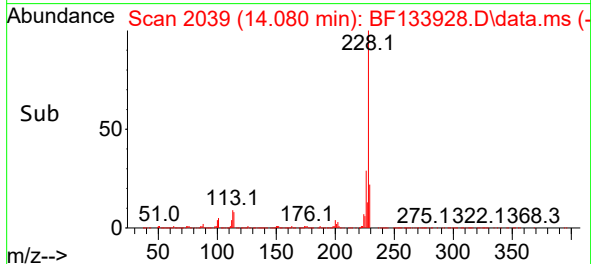
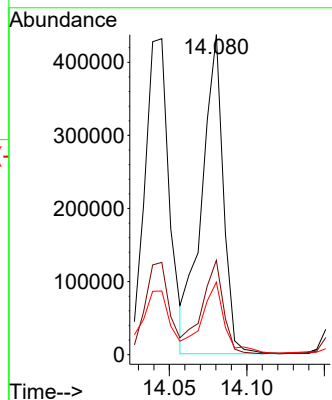
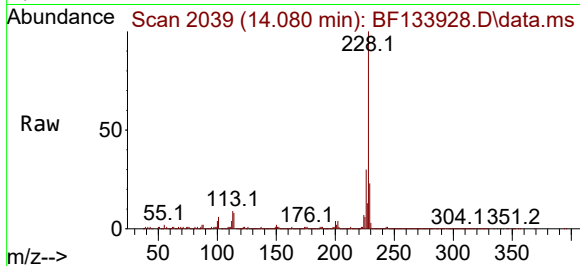




#83
Chrysene
Concen: 30.293 ng
RT: 14.080 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

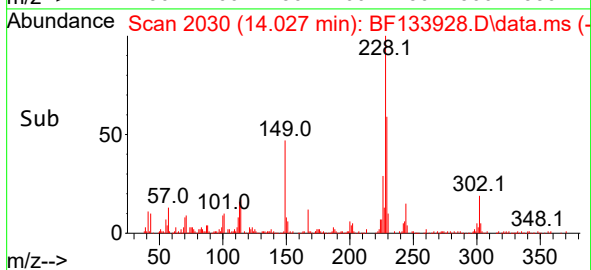
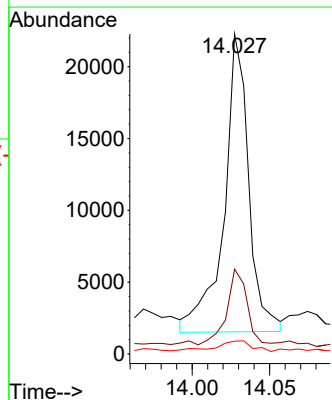
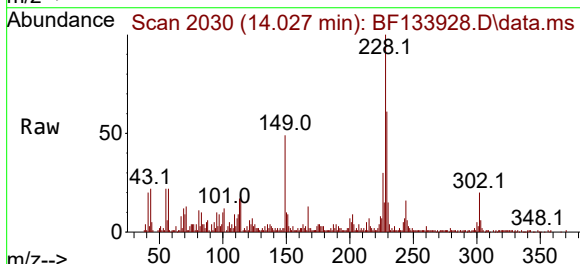
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW03-8-15

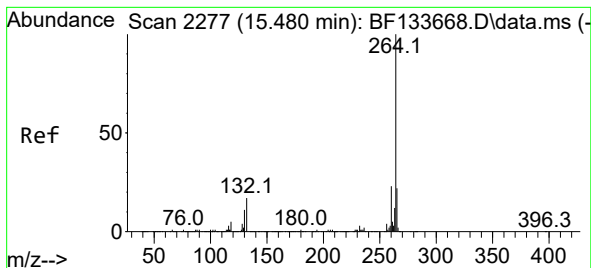
Tgt Ion:228 Resp: 422176
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 22.6 15.8 23.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.220 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

Tgt Ion:149 Resp: 22896
Ion Ratio Lower Upper
149 100
167 26.5 21.8 32.8
279 4.0 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW03-8-15

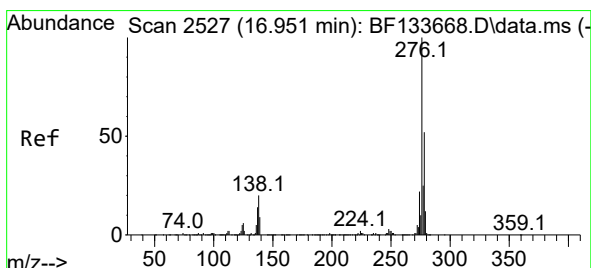
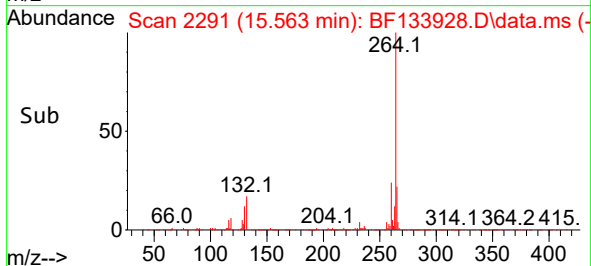
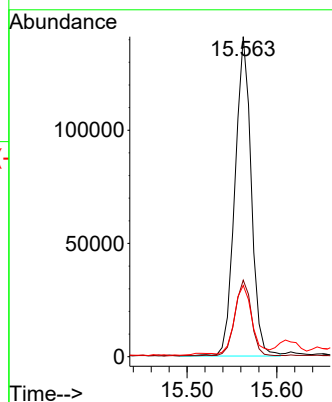
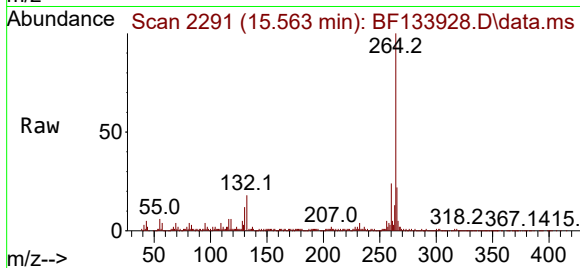
Tgt Ion:264 Resp: 177551

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.2

265 22.3 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.585 ng

RT: 17.110 min Scan# 2554

Delta R.T. -0.012 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

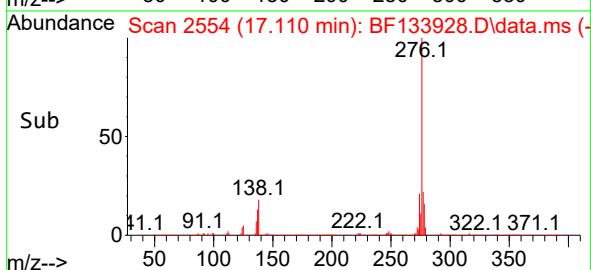
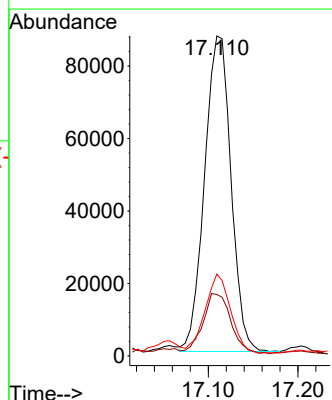
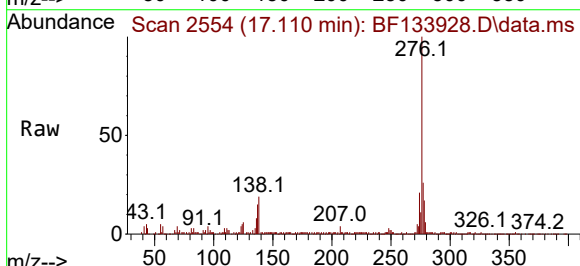
Tgt Ion:276 Resp: 178156

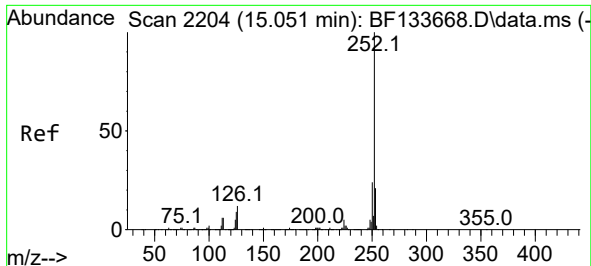
Ion Ratio Lower Upper

276 100

138 20.3 17.9 26.9

277 23.8 20.3 30.5

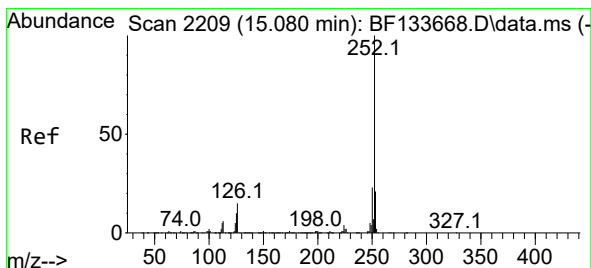
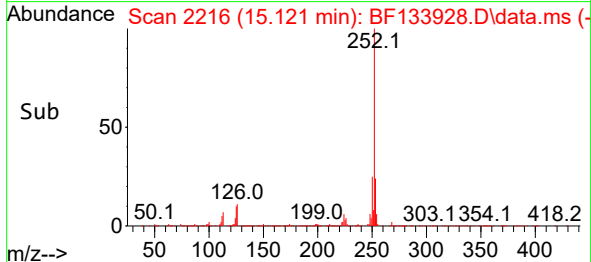
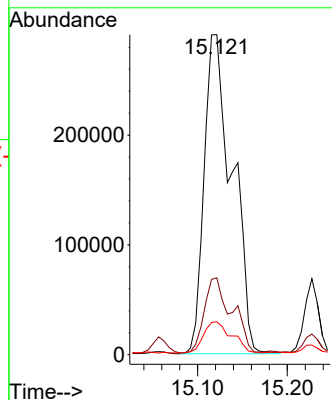
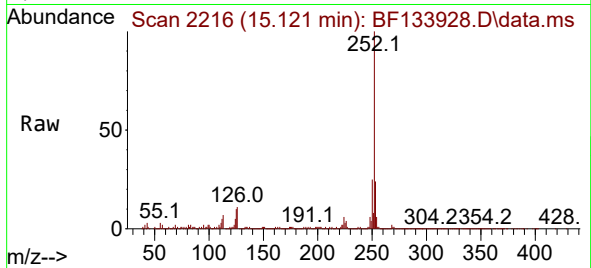




#88
Benzo(b)fluoranthene
Concen: 58.692 ng
RT: 15.121 min Scan# 2216
Delta R.T. 0.006 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

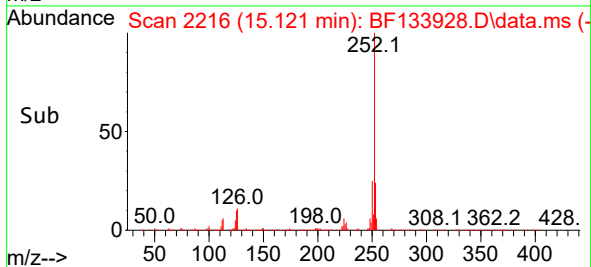
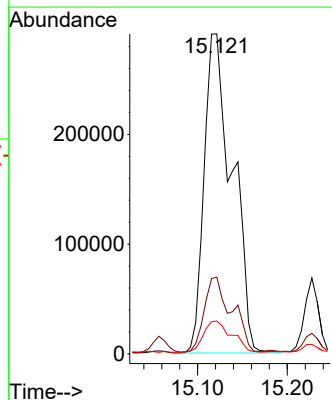
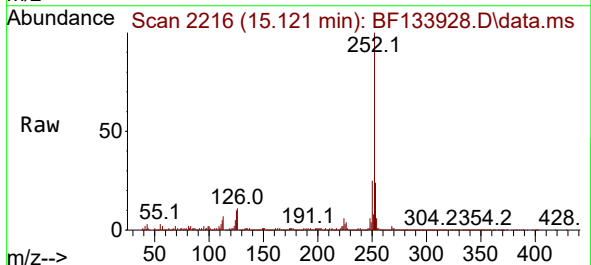
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW03-8-15

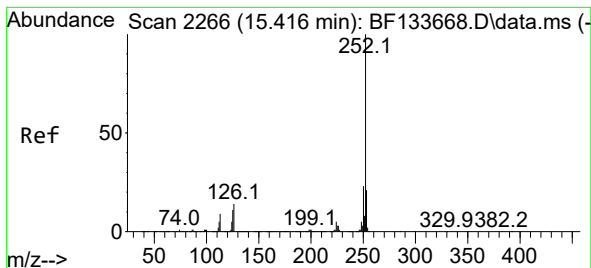
Tgt Ion:252 Resp: 633020
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.6
125 10.3 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 60.251 ng
RT: 15.121 min Scan# 2216
Delta R.T. -0.023 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

Tgt Ion:252 Resp: 633020
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.4
125 10.3 7.8 11.6





#90

Benzo(a)pyrene

Concen: 31.820 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW03-8-15

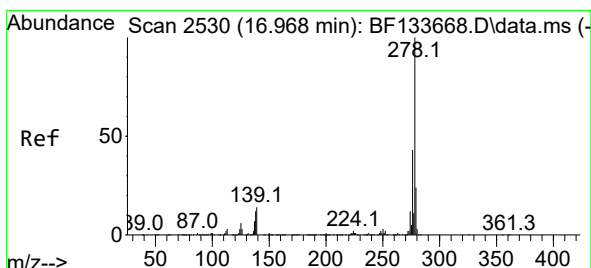
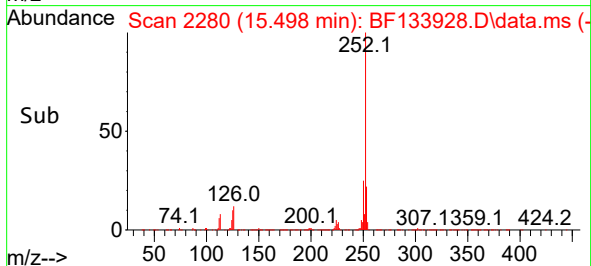
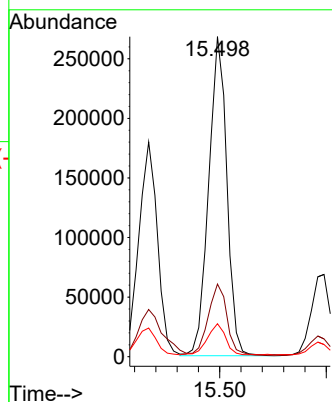
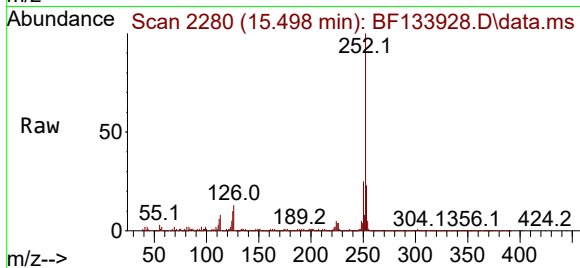
Tgt Ion:252 Resp: 318506

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 10.3 8.6 13.0



#91

Dibenzo(a,h)anthracene

Concen: 4.514 ng

RT: 17.121 min Scan# 2556

Delta R.T. -0.017 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

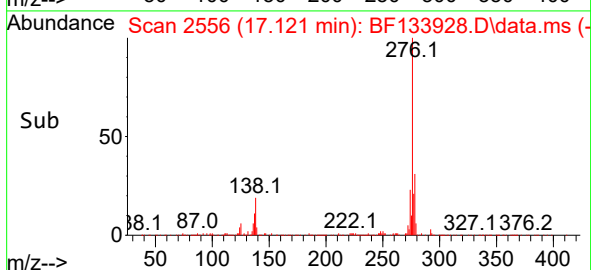
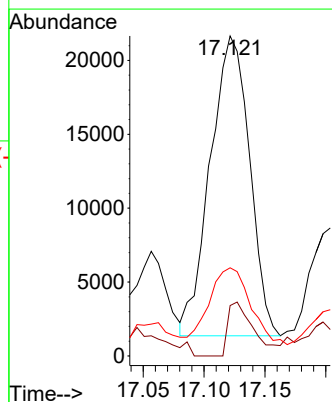
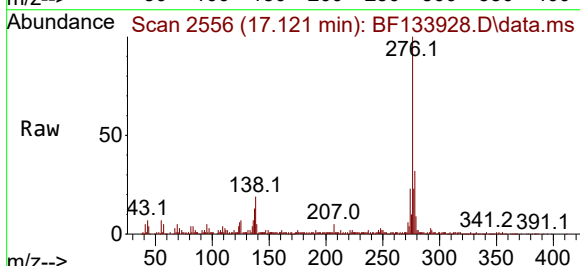
Tgt Ion:278 Resp: 45646

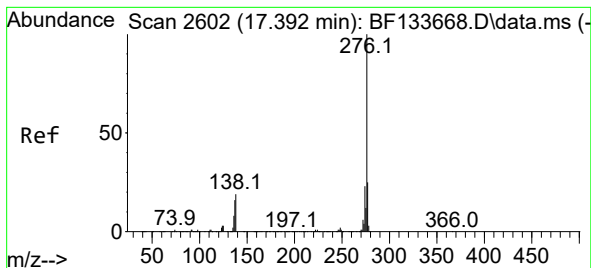
Ion Ratio Lower Upper

278 100

139 15.7 11.4 17.2

279 27.6 19.0 28.4





#92

Benzo(g,h,i)perylene

Concen: 16.744 ng

RT: 17.586 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133928.D

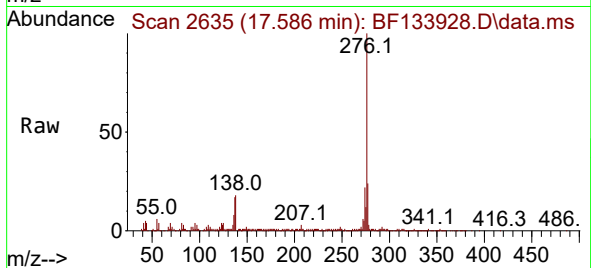
Acq: 23 Jun 2023 05:46

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW03-8-15



Tgt Ion:276 Resp: 167882

Ion Ratio Lower Upper

276 100

277 23.5 19.8 29.8

138 18.1 15.0 22.4

