

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133051.D
 Acq On : 26 Apr 2023 03:37
 Operator : CG\JU
 Sample : 02270-14 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-24-5-7-20230411

Quant Time: Apr 26 04:37:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 18:24:07 2023
 Response via : Initial Calibration

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

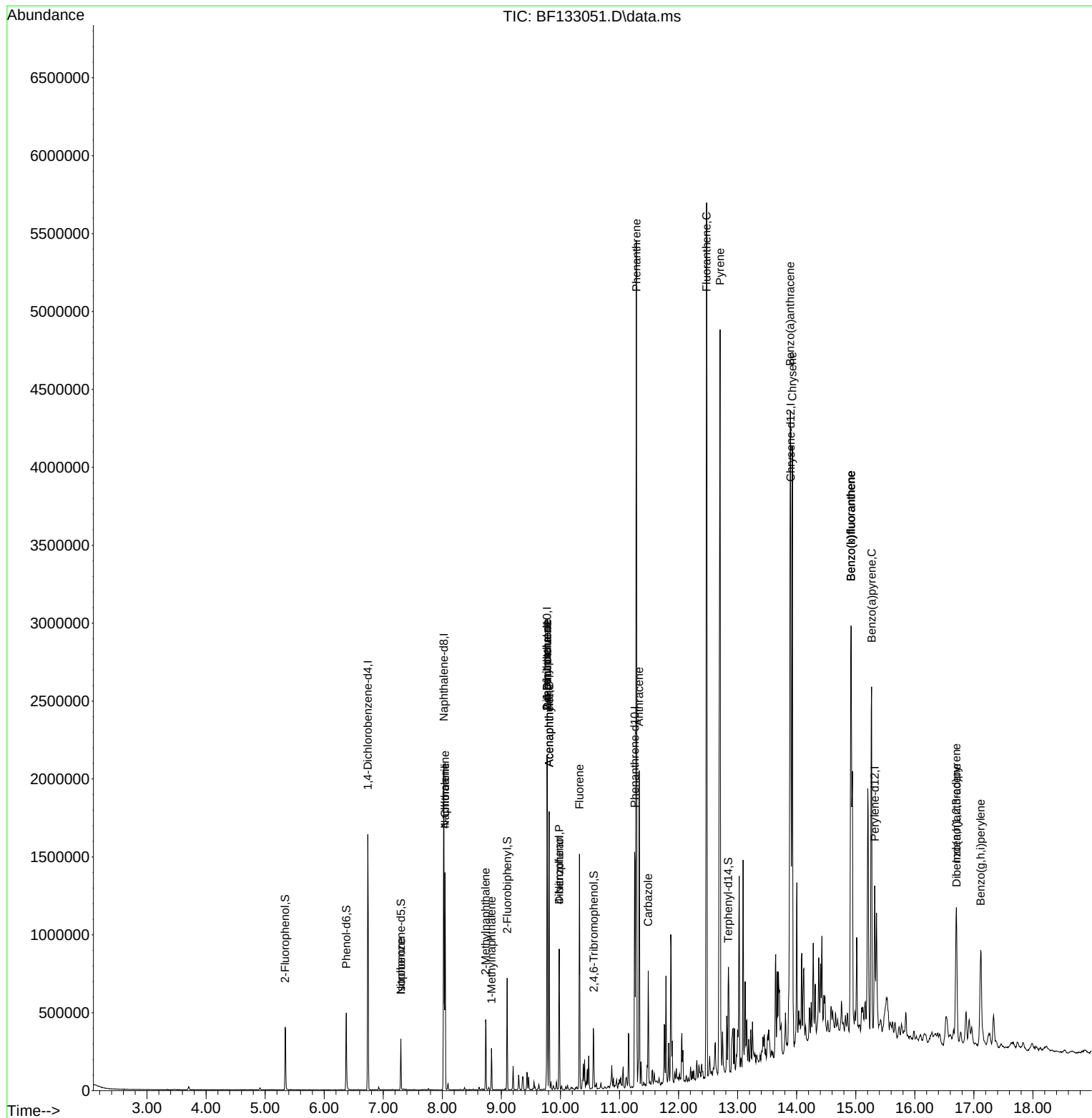
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	218247	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	821955	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	393492	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	603059	20.000	ng	0.00
76) Chrysene-d12	13.898	240	426031	20.000	ng	0.00
86) Perylene-d12	15.321	264	380236	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	113915	7.885	ng	-0.01
7) Phenol-d6	6.375	99	150034	8.367	ng	-0.01
23) Nitrobenzene-d5	7.298	82	79059	5.192	ng	-0.01
42) 2,4,6-Tribromophenol	10.563	330	20133	5.088	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	177598	7.551	ng	-0.01
79) Terphenyl-d14	12.839	244	154214	6.243	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.281	77	430	Below Cal	#	53
25) Isophorone	7.298	82	78871	2.728	ng	# 62
31) Naphthalene	8.045	128	510198	12.415	ng	99
33) 4-Chloroaniline	8.045	127	66726	4.019	ng	# 31
37) 2-Methylnaphthalene	8.734	142	114323	4.069	ng	98
38) 1-Methylnaphthalene	8.834	142	59331	2.257	ng	98
49) Acenaphthylene	9.810	152	175768	4.817	ng	# 1
50) Dimethylphthalate	9.775	163	75474	2.751	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	54125	8.765	ng	# 25
52) Acenaphthene	9.810	154	348863	14.274	ng	99
55) Dibenzofuran	9.981	168	299028	8.969	ng	99
56) 4-Nitrophenol	9.981	139	111657	19.633	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	54125	6.873	ng	# 23
58) Fluorene	10.322	166	345162	14.131	ng	99
71) Phenanthrene	11.286	178	2076933	64.078	ng	99
72) Anthracene	11.333	178	696422	20.995	ng	100
73) Carbazole	11.486	167	248135	8.401	ng	99
75) Fluoranthene	12.474	202	2412679	74.168	ng	99
78) Pyrene	12.704	202	2092331	57.292	ng	99
81) Benzo(a)anthracene	13.892	228	1493838	50.990	ng	99
83) Chrysene	13.927	228	1383902	47.249	ng	98
87) Indeno(1,2,3-cd)pyrene	16.704	276	520916	24.085	ng	94
88) Benzo(b)fluoranthene	14.921	252	2063632	85.309	ng	# 96
89) Benzo(k)fluoranthene	14.921	252	2063632	86.059	ng	97
90) Benzo(a)pyrene	15.268	252	1016707	46.176	ng	98
91) Dibenzo(a,h)anthracene	16.709	278	148126	8.211	ng	96
92) Benzo(g,h,i)perylene	17.115	276	449933	25.264	ng	99

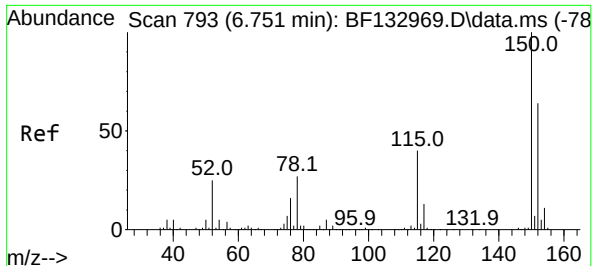
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF133051.D
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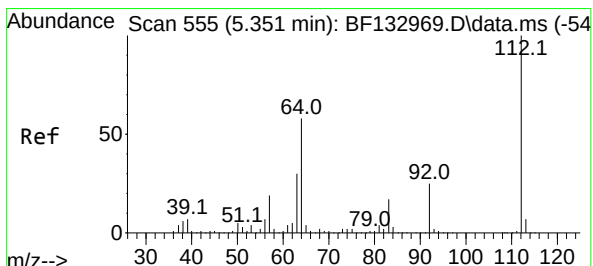
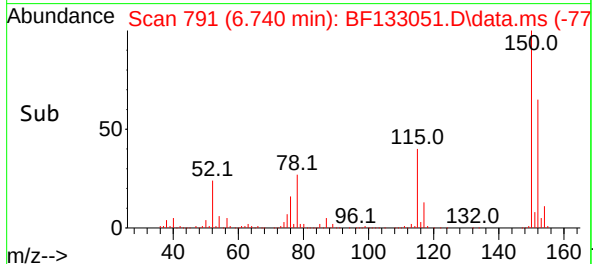
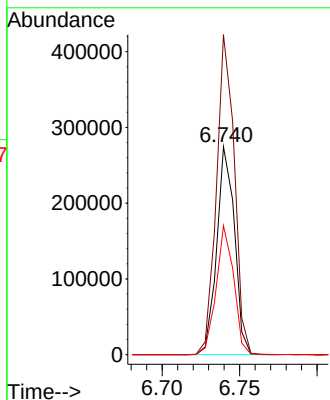
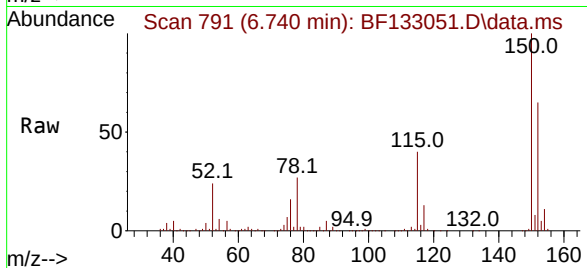




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

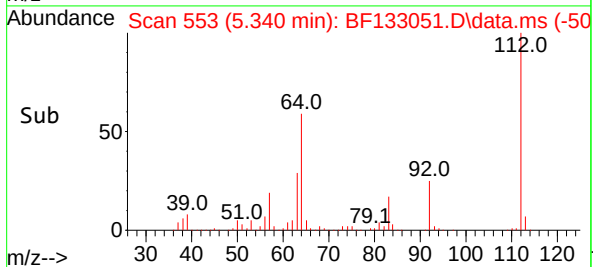
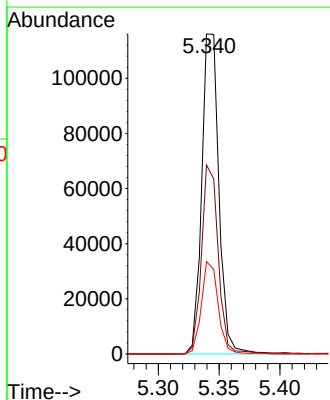
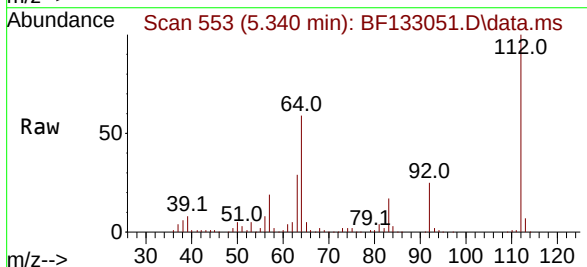
Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

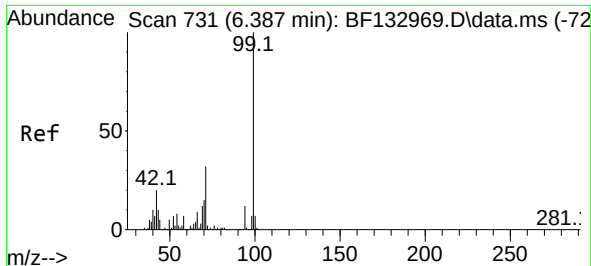
Tgt Ion:152 Resp: 218247
Ion Ratio Lower Upper
152 100
150 153.9 124.8 187.2
115 62.0 49.9 74.9



#5
2-Fluorophenol
Concen: 7.885 ng
RT: 5.340 min Scan# 553
Delta R.T. -0.012 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

Tgt Ion:112 Resp: 113915
Ion Ratio Lower Upper
112 100
64 59.0 46.8 70.2
63 28.9 23.8 35.8

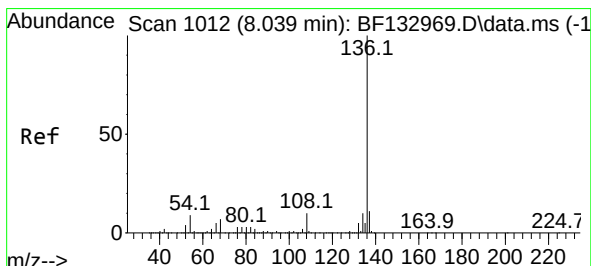
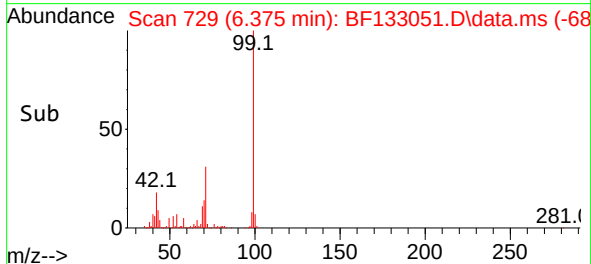
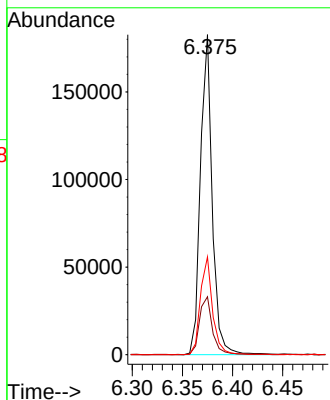
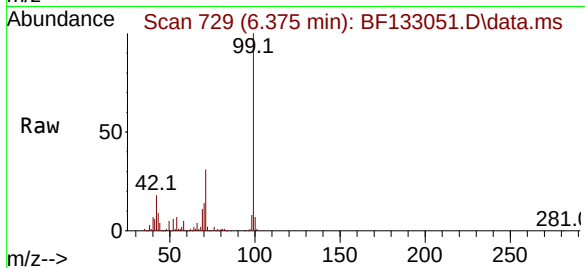




#7
Phenol-d6
Concen: 8.367 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

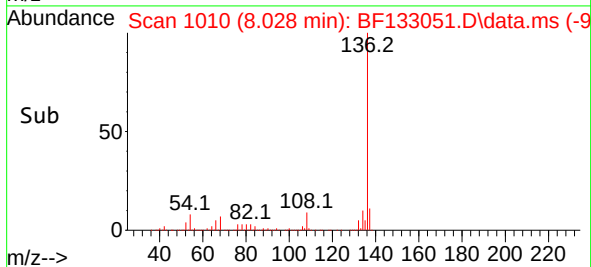
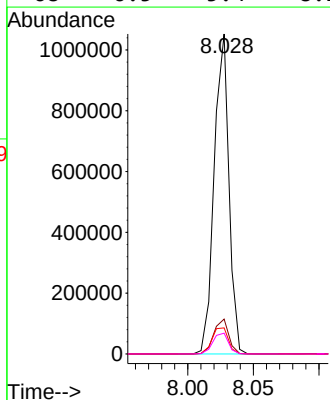
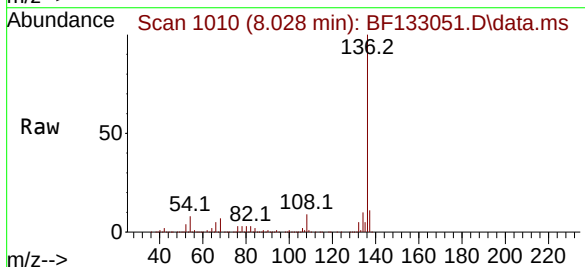
Instrument :
BNA_F
ClientSampleId :
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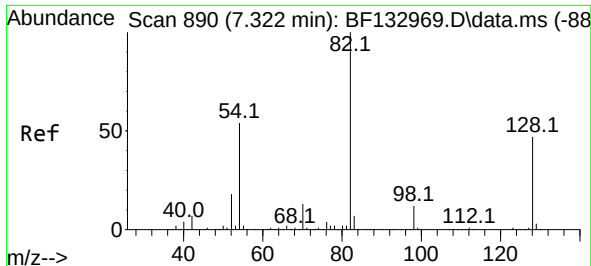
Tgt Ion: 99 Resp: 150034
Ion Ratio Lower Upper
99 100
42 18.1 16.3 24.5
71 30.5 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

Tgt Ion: 136 Resp: 821955
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.2 7.0 10.4
68 6.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 5.192 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.012 min

Lab File: BF133051.D

Acq: 26 Apr 2023 03:37

Instrument :

BNA_F

ClientSampleId :

SB-24-5-7-20230411

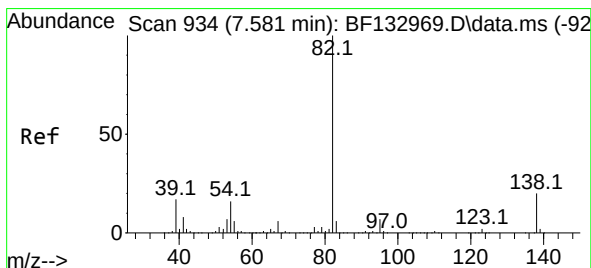
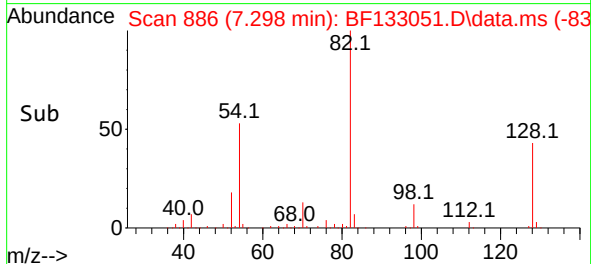
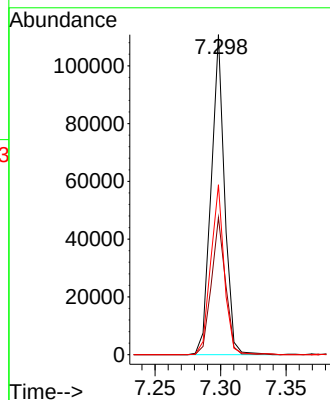
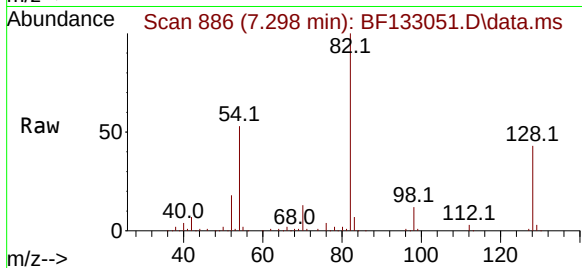
Tgt Ion: 82 Resp: 79059

Ion Ratio Lower Upper

82 100

128 42.9 37.7 56.5

54 53.1 43.0 64.4



#25

Isophorone

Concen: 2.728 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.270 min

Lab File: BF133051.D

Acq: 26 Apr 2023 03:37

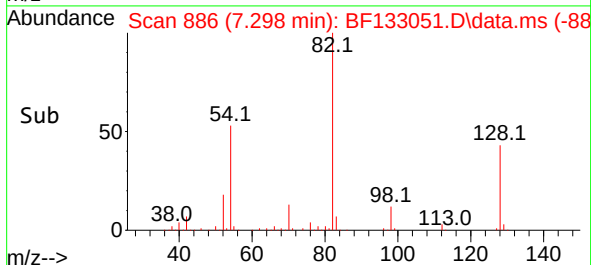
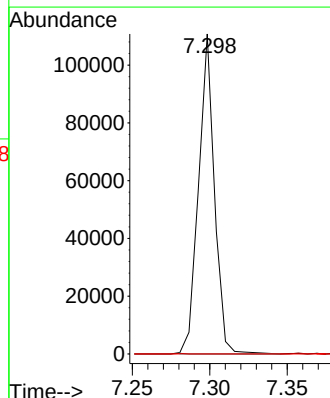
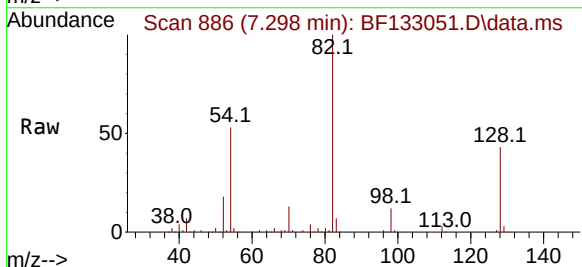
Tgt Ion: 82 Resp: 78871

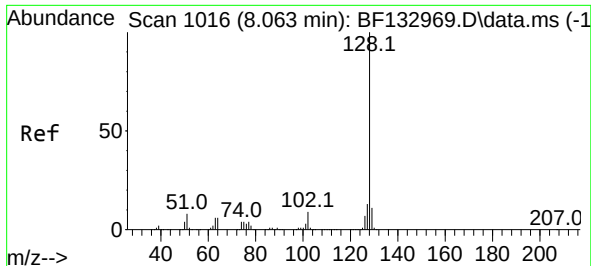
Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 16.0 24.0#

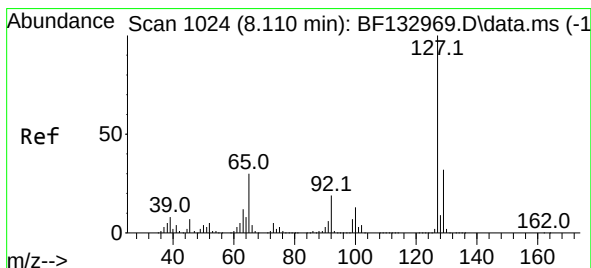
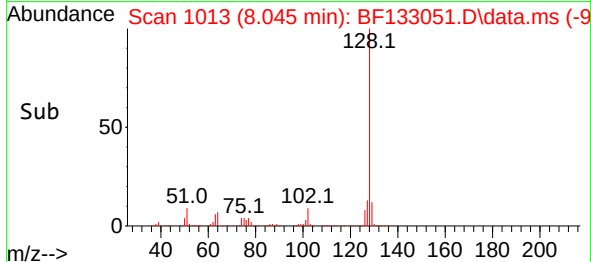
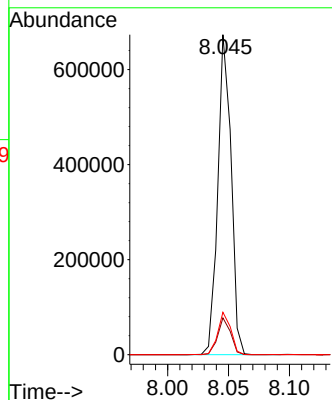
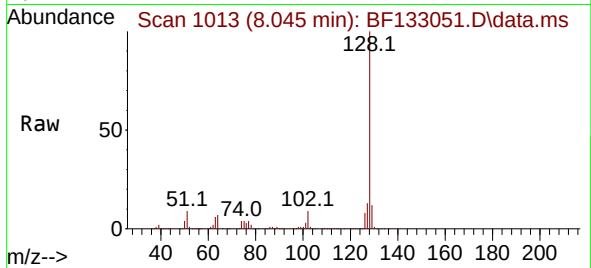




#31
Naphthalene
Concen: 12.415 ng
RT: 8.045 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

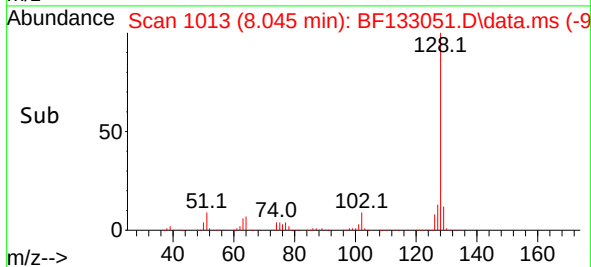
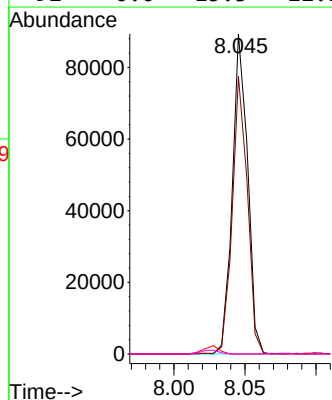
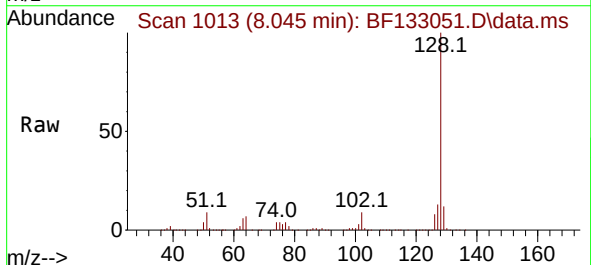
Instrument :
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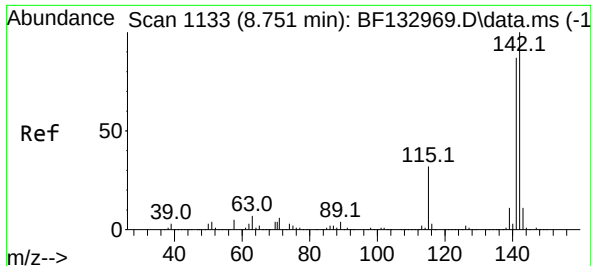
Tgt Ion:128 Resp: 510198
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.3 10.7 16.1



#33
4-Chloroaniline
Concen: 4.019 ng
RT: 8.045 min Scan# 1013
Delta R.T. -0.059 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

Tgt Ion:127 Resp: 66726
Ion Ratio Lower Upper
127 100
129 86.7 25.8 38.8#
65 0.0 23.6 35.4#
92 0.0 15.3 22.9#

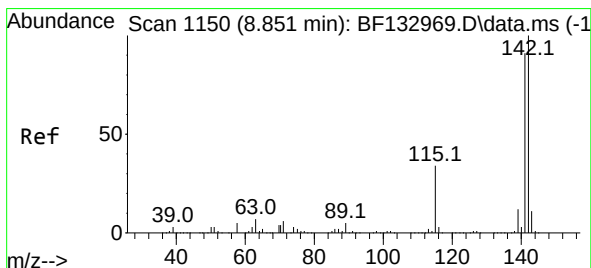
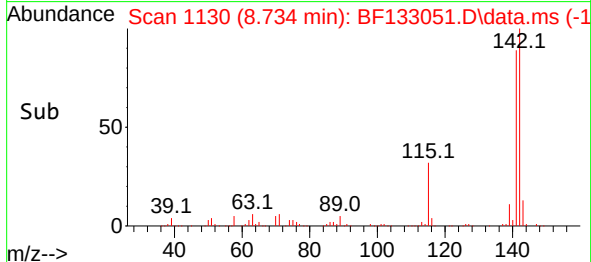
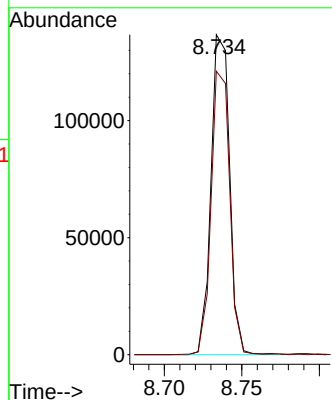
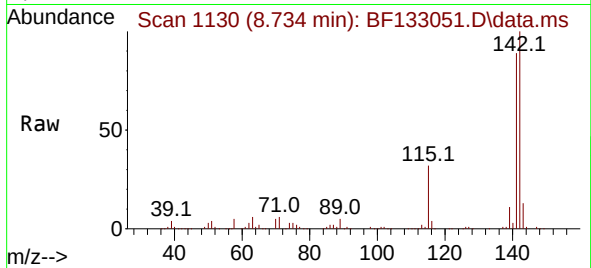




#37
2-Methylnaphthalene
Concen: 4.069 ng
RT: 8.734 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

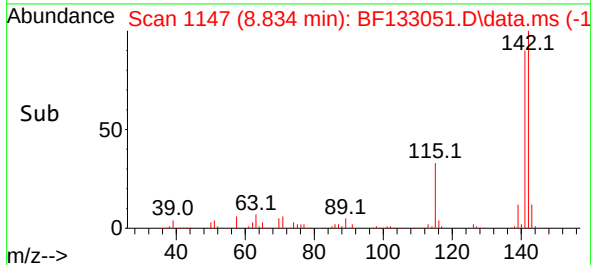
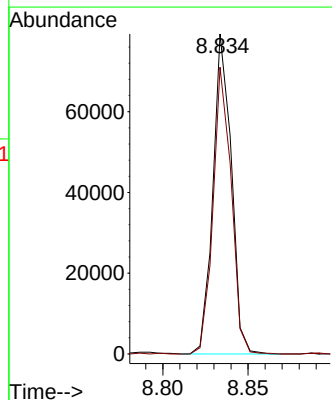
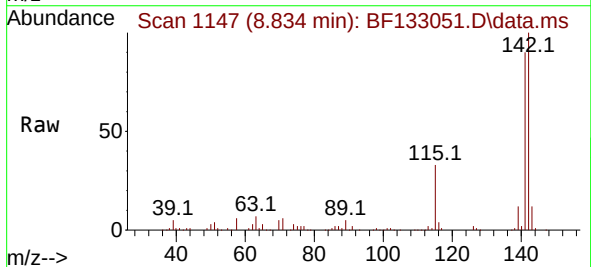
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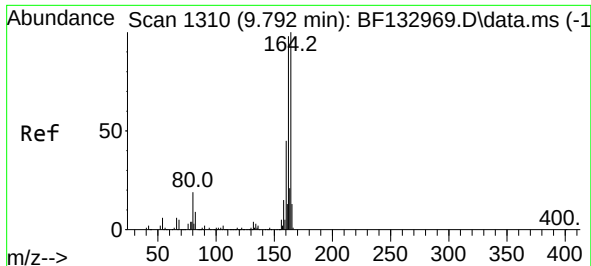
Tgt Ion:142 Resp: 114323
Ion Ratio Lower Upper
142 100
141 88.6 69.4 104.0



#38
1-Methylnaphthalene
Concen: 2.257 ng
RT: 8.834 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

Tgt Ion:142 Resp: 59331
Ion Ratio Lower Upper
142 100
141 89.6 73.1 109.7

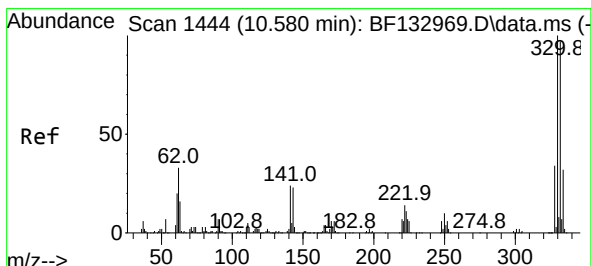
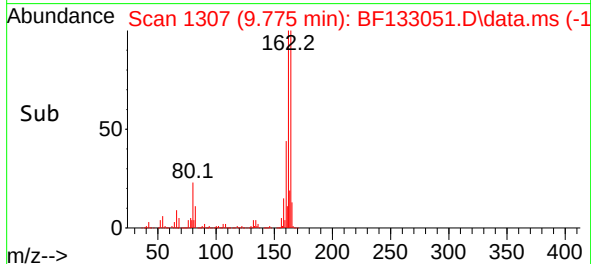
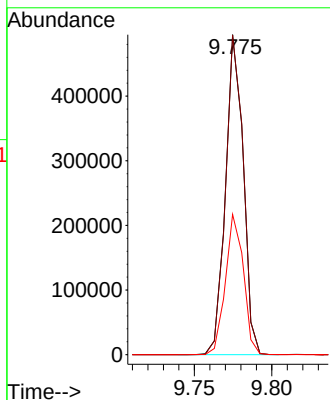
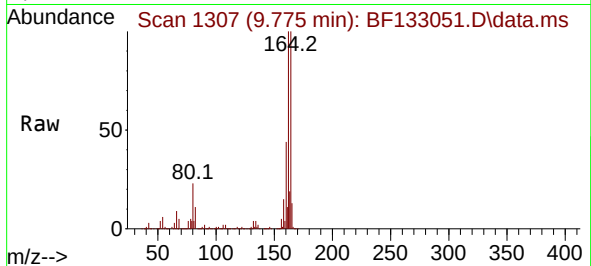




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

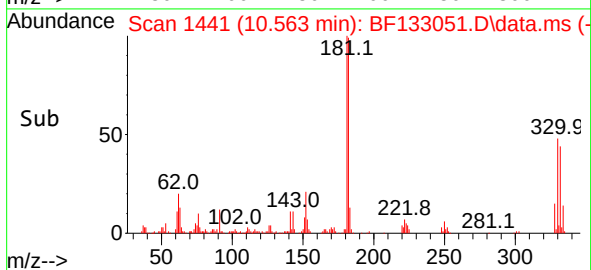
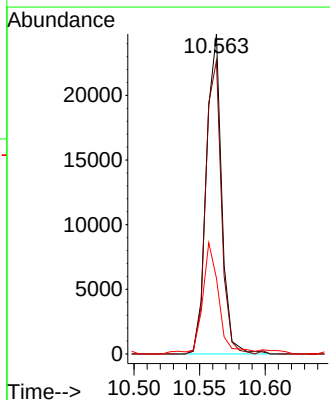
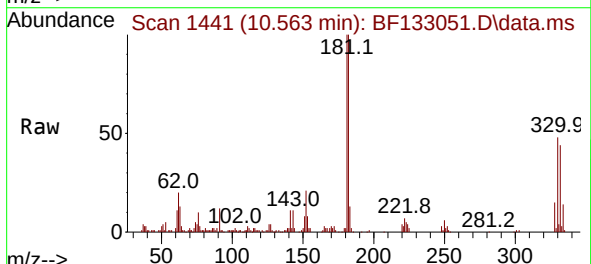
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ClientSampleId :
SB-24-5-7-20230411

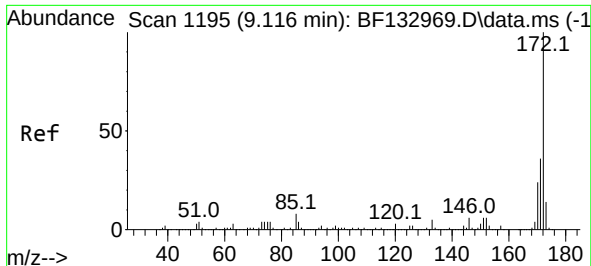
Tgt Ion:164 Resp: 393492
Ion Ratio Lower Upper
164 100
162 99.9 78.7 118.1
160 43.9 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 5.088 ng
RT: 10.563 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

Tgt Ion:330 Resp: 20133
Ion Ratio Lower Upper
330 100
332 93.7 77.1 115.7
141 37.2 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 7.551 ng

RT: 9.098 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF133051.D

Acq: 26 Apr 2023 03:37

Instrument :

BNA_F

ClientSampleId :

SB-24-5-7-20230411

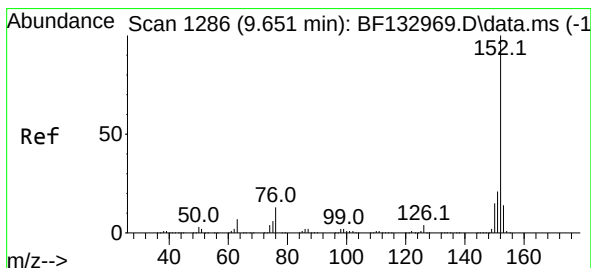
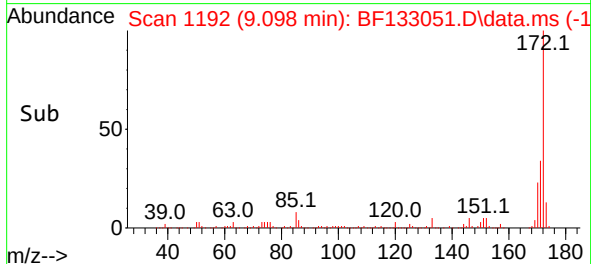
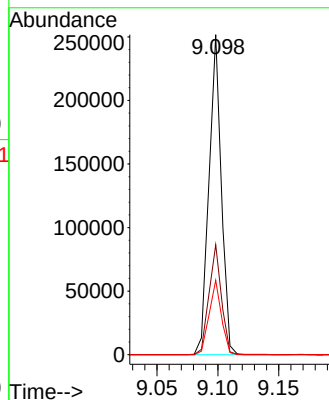
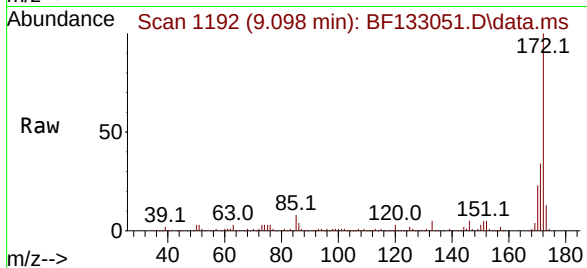
Tgt Ion:172 Resp: 177598

Ion Ratio Lower Upper

172 100

171 34.3 28.8 43.2

170 23.3 19.4 29.2



#49

Acenaphthylene

Concen: 4.817 ng

RT: 9.810 min Scan# 1313

Delta R.T. 0.165 min

Lab File: BF133051.D

Acq: 26 Apr 2023 03:37

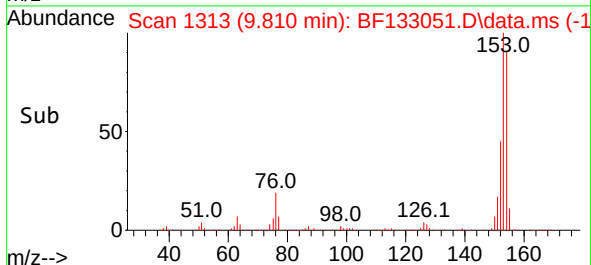
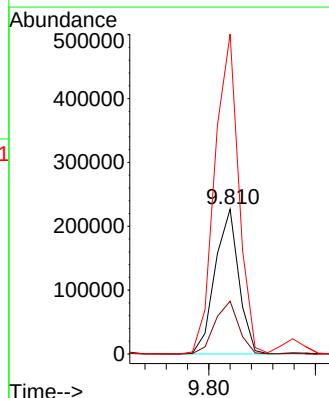
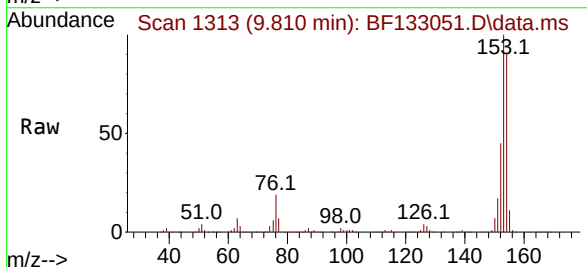
Tgt Ion:152 Resp: 175768

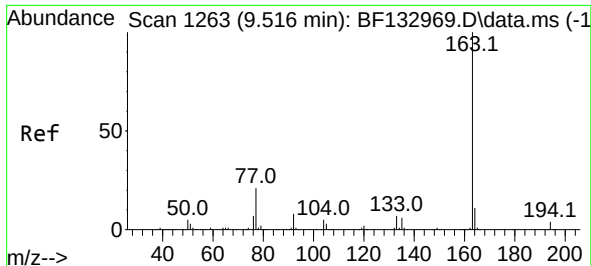
Ion Ratio Lower Upper

152 100

151 36.5 16.6 24.8#

153 221.1 11.5 17.3#

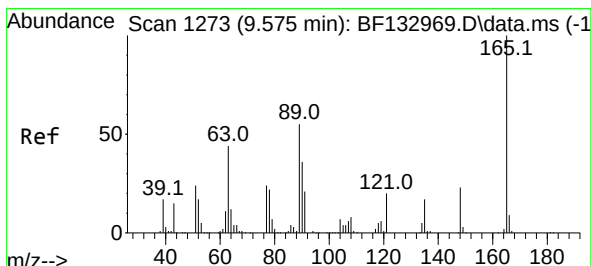
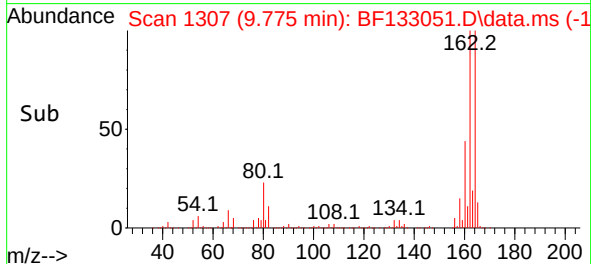
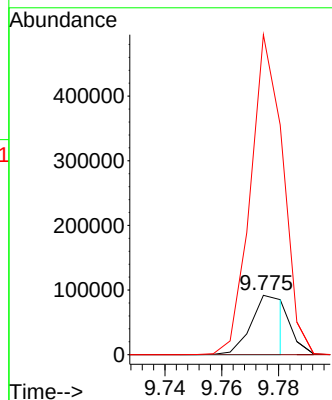
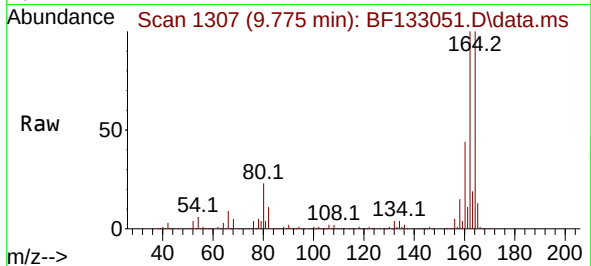




#50
Dimethylphthalate
Concen: 2.751 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.265 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

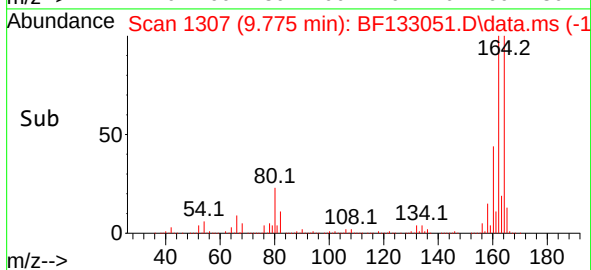
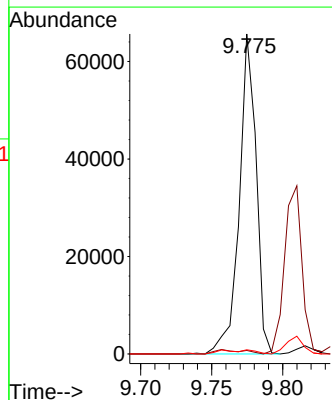
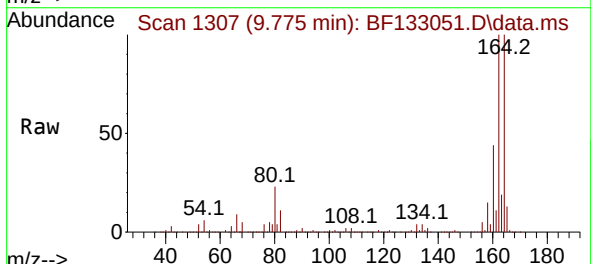
Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

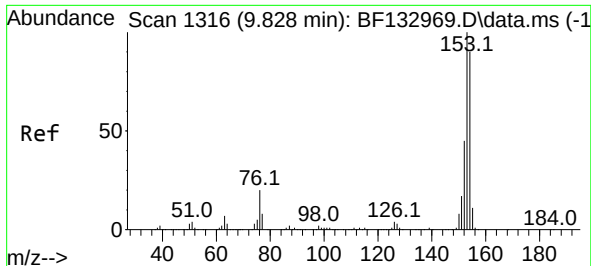
Tgt Ion:163 Resp: 75474
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 538.7 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.765 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.206 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

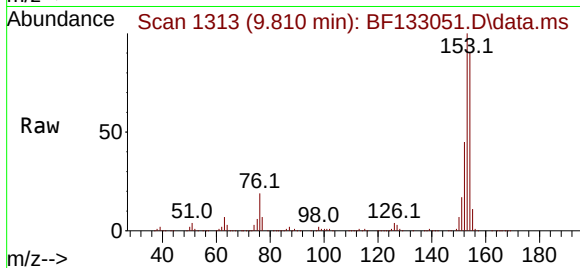
Tgt Ion:165 Resp: 54125
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 1.3 44.0 66.0#



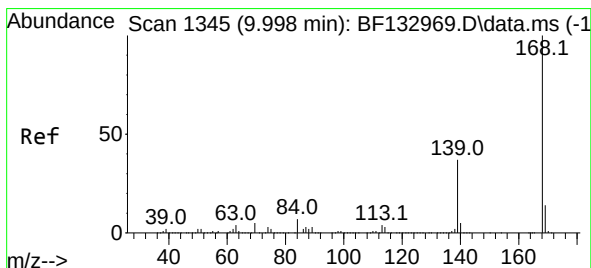
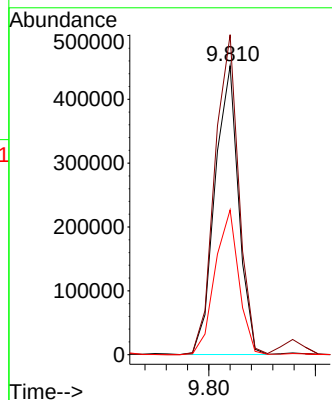
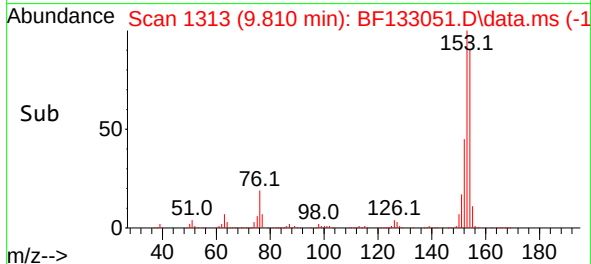


#52
Acenaphthene
Concen: 14.274 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

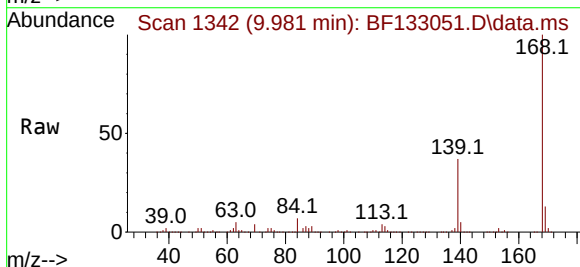
Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411



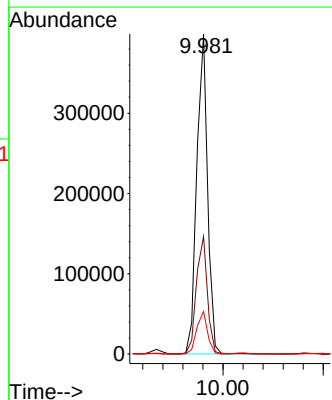
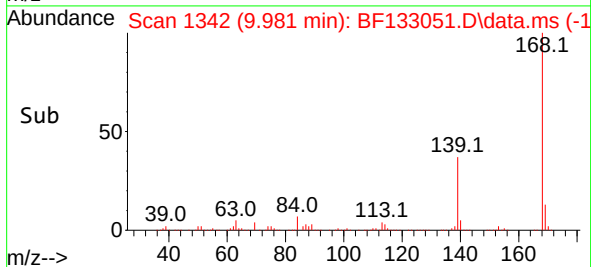
Tgt Ion:154 Resp: 348863
Ion Ratio Lower Upper
154 100
153 110.8 89.0 133.6
152 50.1 40.4 60.6

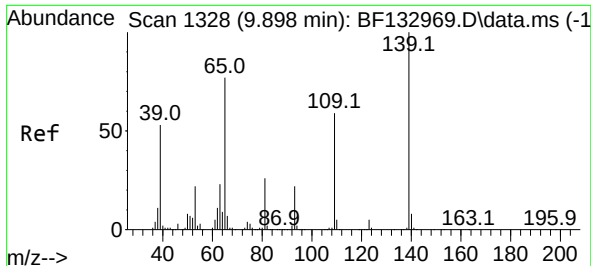


#55
Dibenzofuran
Concen: 8.969 ng
RT: 9.981 min Scan# 1342
Delta R.T. -0.006 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37



Tgt Ion:168 Resp: 299028
Ion Ratio Lower Upper
168 100
139 36.7 29.8 44.8
169 13.3 10.8 16.2

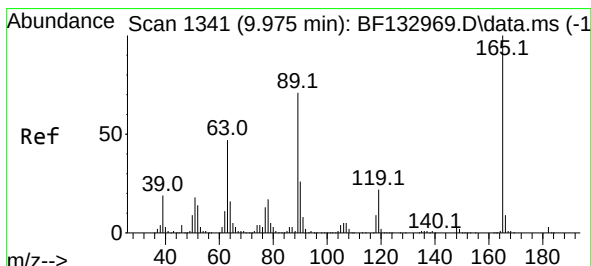
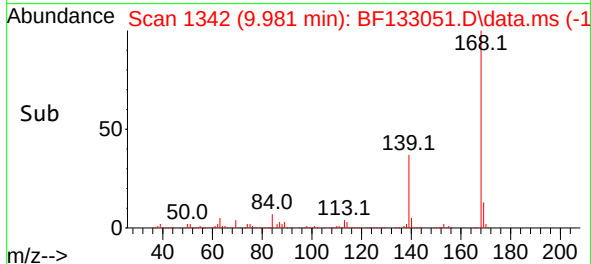
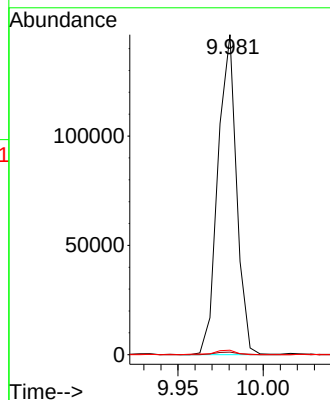
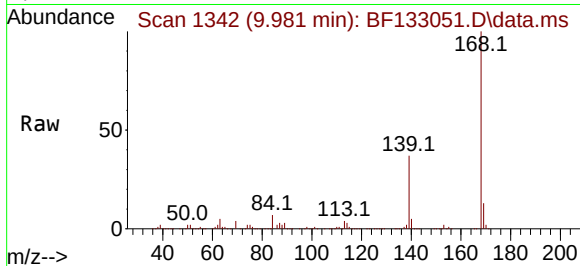




#56
4-Nitrophenol
Concen: 19.633 ng
RT: 9.981 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

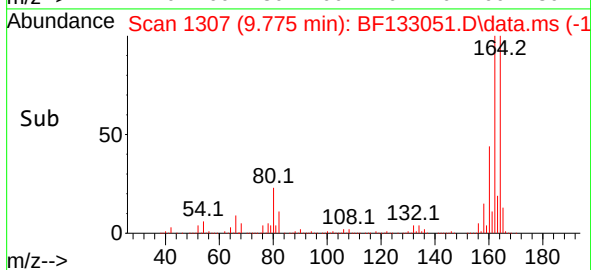
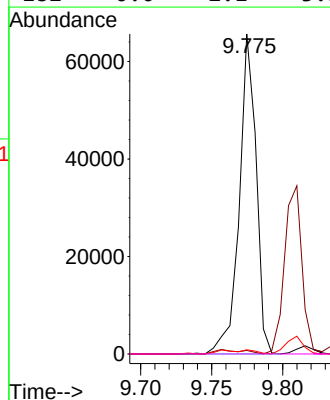
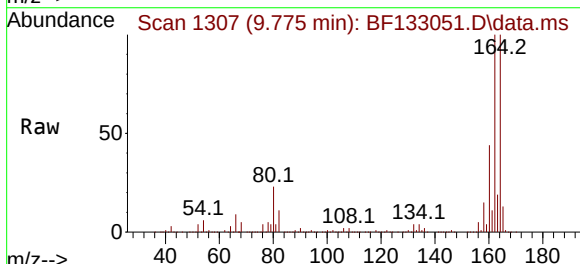
Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

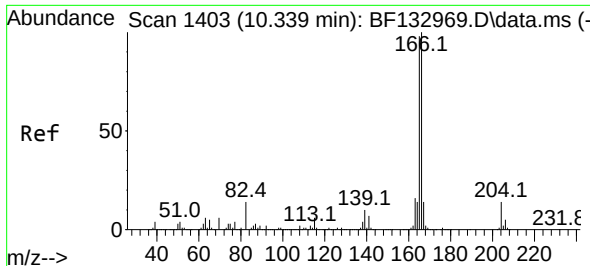
Tgt Ion:139 Resp: 111657
Ion Ratio Lower Upper
139 100
109 0.8 39.4 79.4#
65 1.4 57.5 97.5#



#57
2,4-Dinitrotoluene
Concen: 6.873 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.194 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

Tgt Ion:165 Resp: 54125
Ion Ratio Lower Upper
165 100
63 1.1 37.7 56.5#
89 1.3 57.0 85.4#
182 0.0 2.1 3.1#

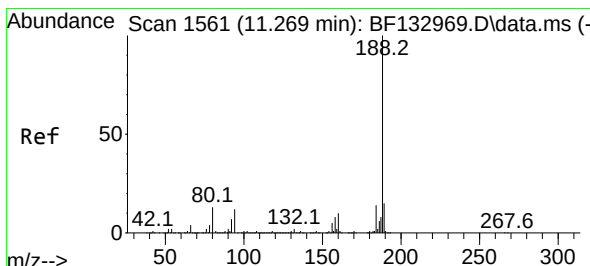
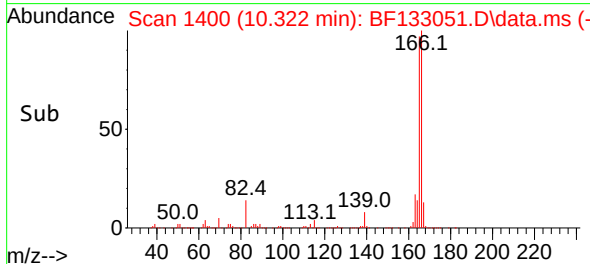
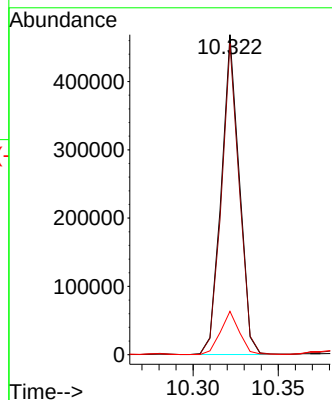
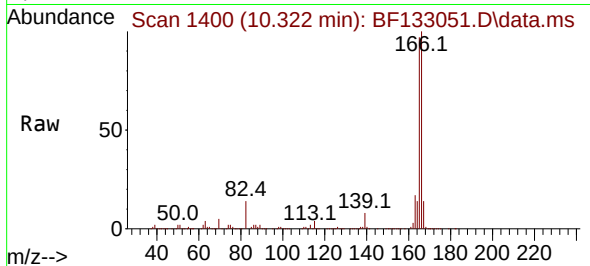




#58
Fluorene
Concen: 14.131 ng
RT: 10.322 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

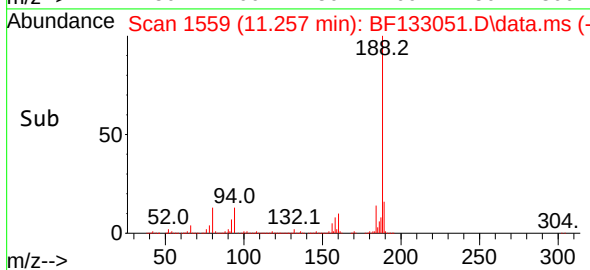
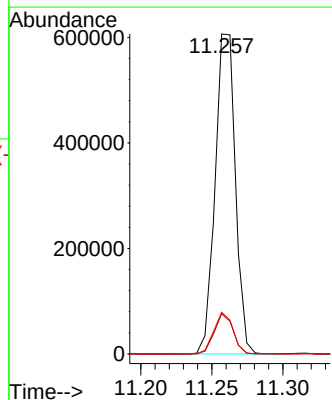
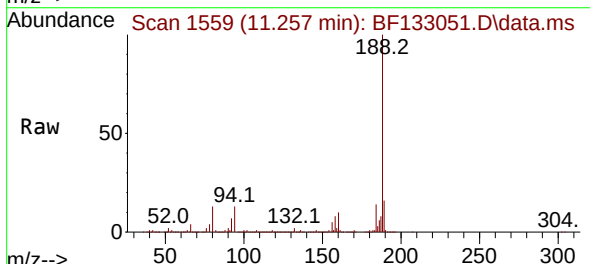
Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

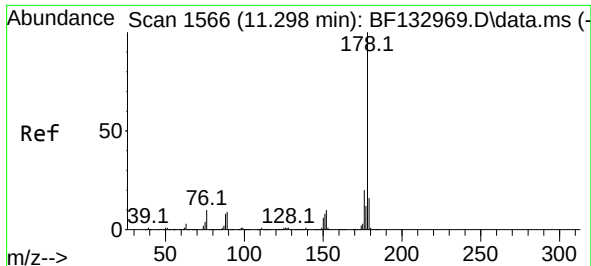
Tgt Ion:166 Resp: 345162
Ion Ratio Lower Upper
166 100
165 97.3 78.6 117.8
167 13.5 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

Tgt Ion:188 Resp: 603059
Ion Ratio Lower Upper
188 100
94 12.6 9.7 14.5
80 13.1 10.4 15.6

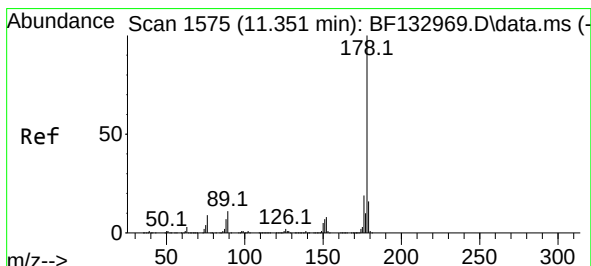
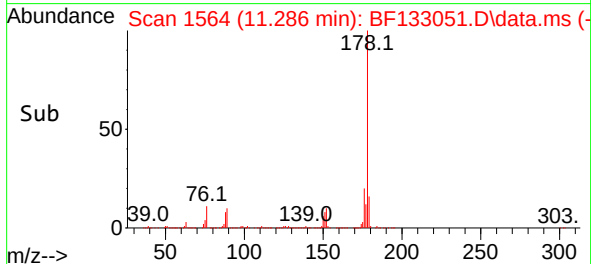
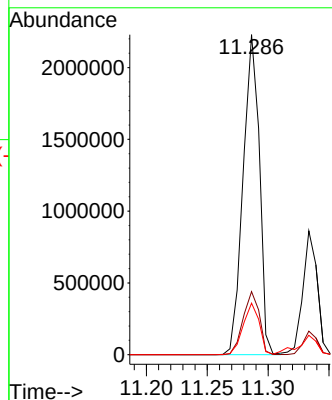
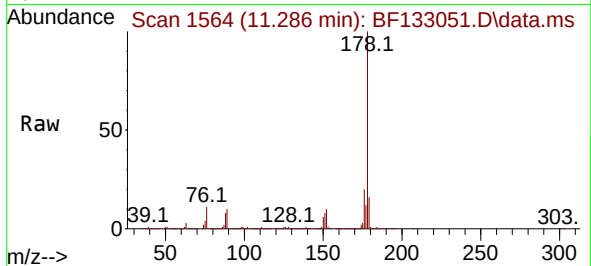




#71
Phenanthrene
Concen: 64.078 ng
RT: 11.286 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

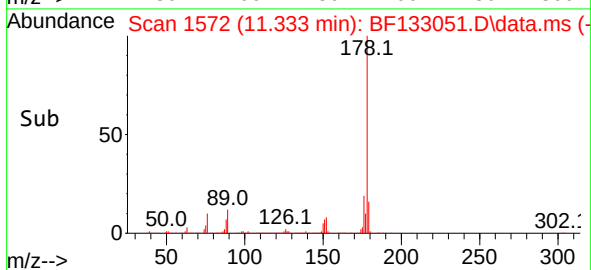
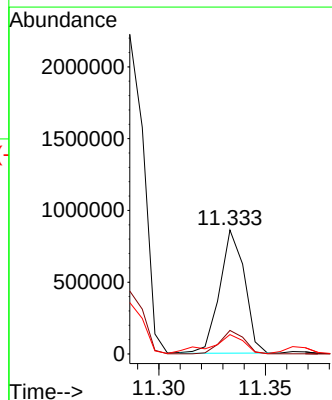
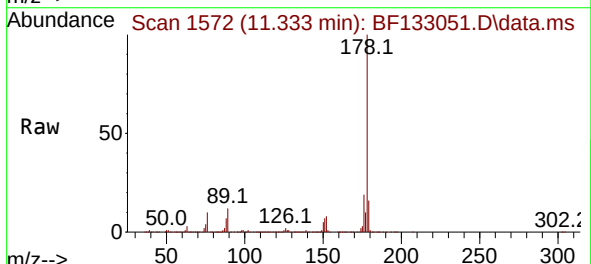
Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

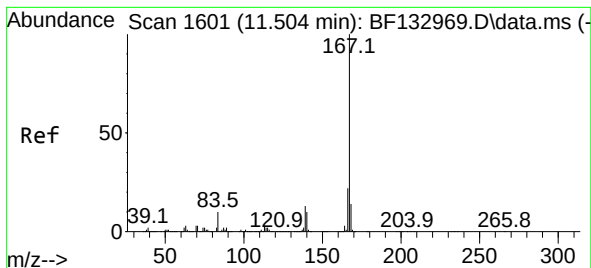
Tgt Ion:178 Resp: 2076933
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 16.1 12.5 18.7



#72
Anthracene
Concen: 20.995 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

Tgt Ion:178 Resp: 696422
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.7 12.4 18.6





#73

Carbazole

Concen: 8.401 ng

RT: 11.486 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133051.D

Acq: 26 Apr 2023 03:37

Instrument :

BNA_F

ClientSampleId :

SB-24-5-7-20230411

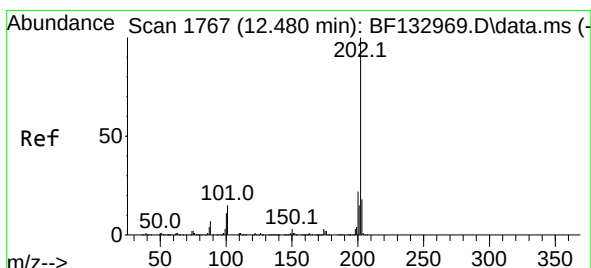
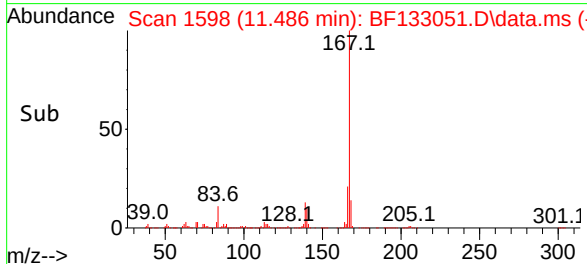
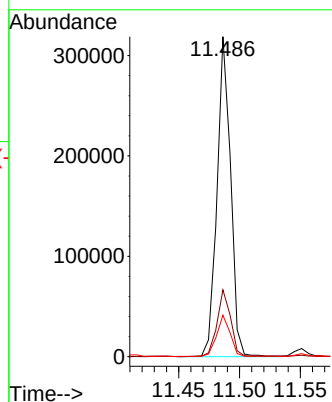
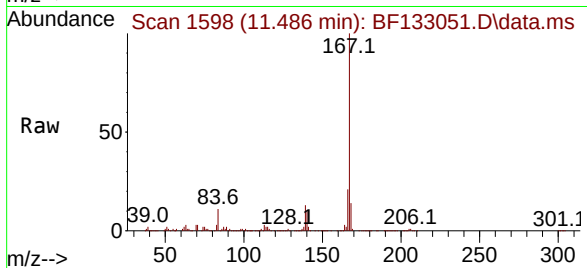
Tgt Ion:167 Resp: 248135

Ion Ratio Lower Upper

167 100

166 20.9 17.4 26.0

139 13.0 10.6 16.0



#75

Fluoranthene

Concen: 74.168 ng

RT: 12.474 min Scan# 1766

Delta R.T. 0.000 min

Lab File: BF133051.D

Acq: 26 Apr 2023 03:37

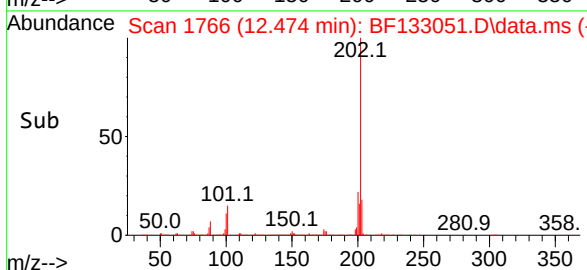
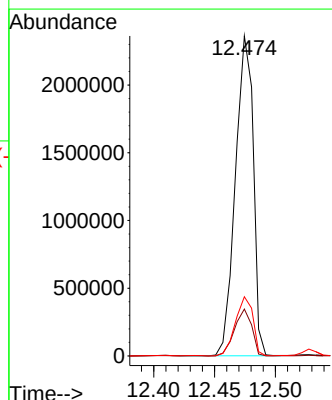
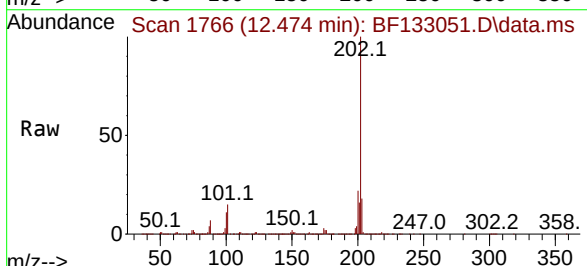
Tgt Ion:202 Resp: 2412679

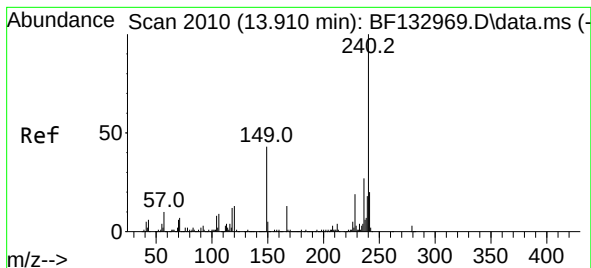
Ion Ratio Lower Upper

202 100

101 14.7 0.0 35.3

203 18.5 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.898 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF133051.D

Acq: 26 Apr 2023 03:37

Instrument :

BNA_F

ClientSampleId :

SB-24-5-7-20230411

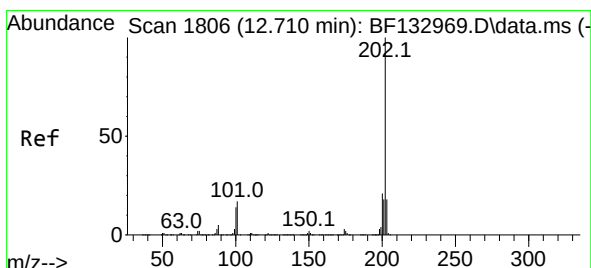
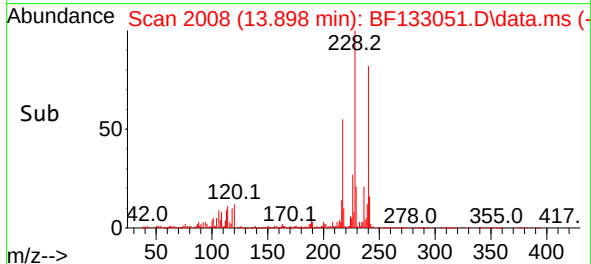
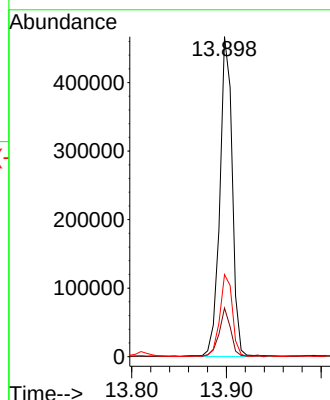
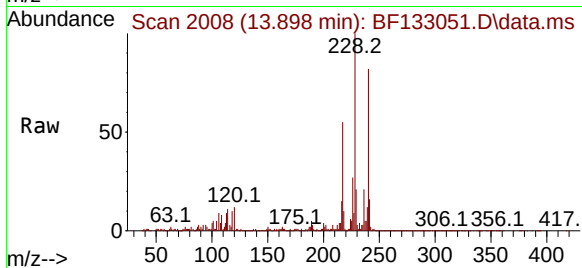
Tgt Ion:240 Resp: 426031

Ion Ratio Lower Upper

240 100

120 15.2 10.5 15.7

236 25.7 21.5 32.3



#78

Pyrene

Concen: 57.292 ng

RT: 12.704 min Scan# 1805

Delta R.T. 0.006 min

Lab File: BF133051.D

Acq: 26 Apr 2023 03:37

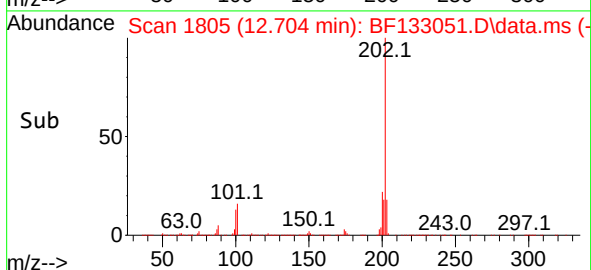
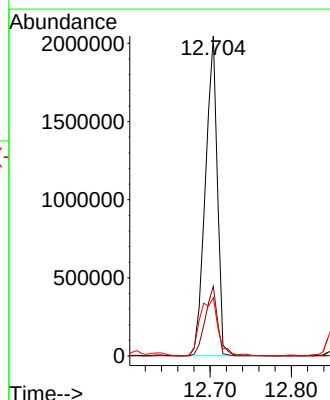
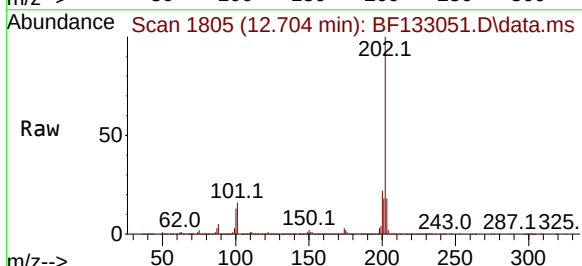
Tgt Ion:202 Resp: 2092331

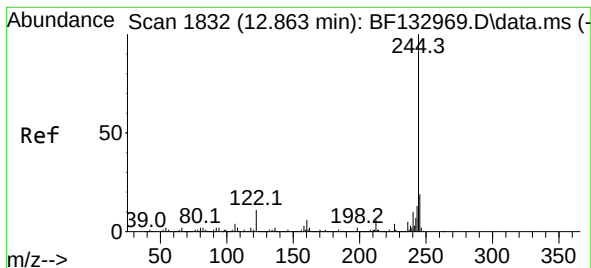
Ion Ratio Lower Upper

202 100

200 21.8 17.1 25.7

203 18.2 14.1 21.1





#79

Terphenyl-d14

Concen: 6.243 ng

RT: 12.839 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133051.D

Acq: 26 Apr 2023 03:37

Instrument :

BNA_F

ClientSampleId :

SB-24-5-7-20230411

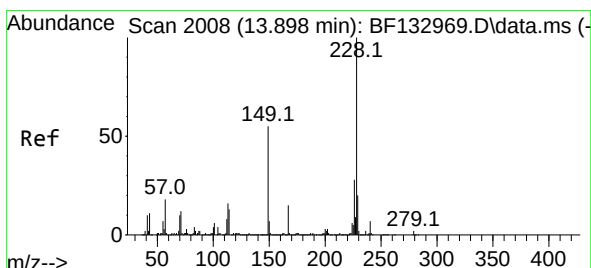
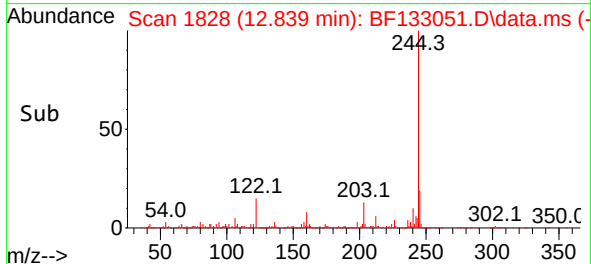
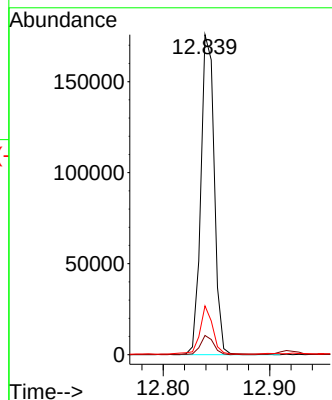
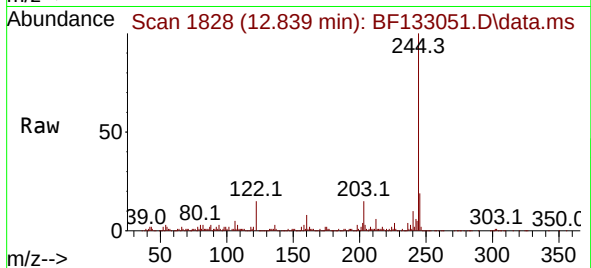
Tgt Ion:244 Resp: 154214

Ion Ratio Lower Upper

244 100

212 6.0 5.1 7.7

122 15.3 8.6 13.0#



#81

Benzo(a)anthracene

Concen: 50.990 ng

RT: 13.892 min Scan# 2007

Delta R.T. 0.006 min

Lab File: BF133051.D

Acq: 26 Apr 2023 03:37

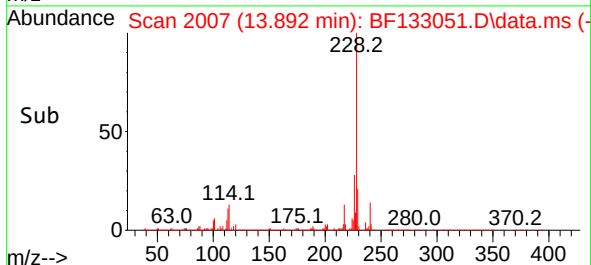
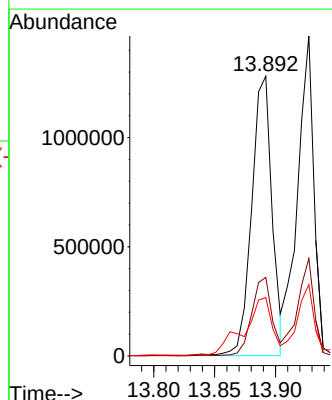
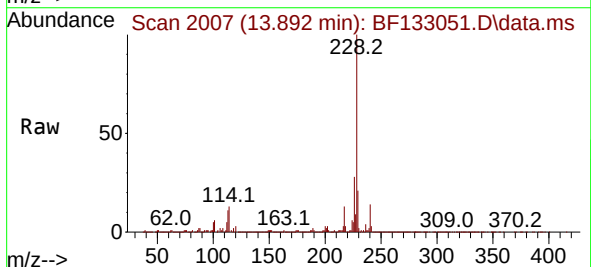
Tgt Ion:228 Resp: 1493838

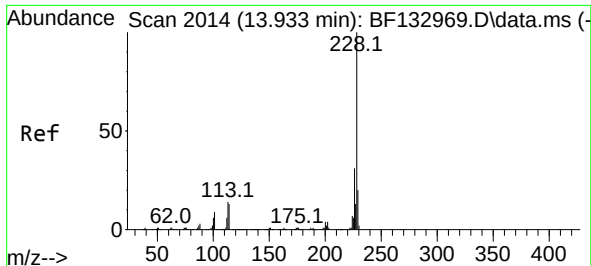
Ion Ratio Lower Upper

228 100

226 28.1 22.2 33.4

229 20.9 16.0 24.0

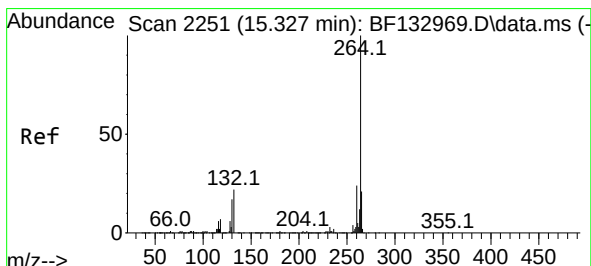
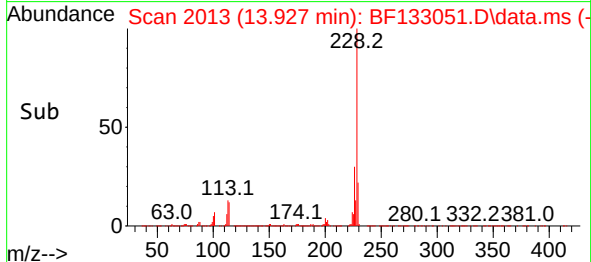
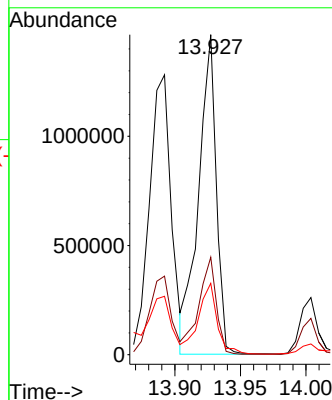
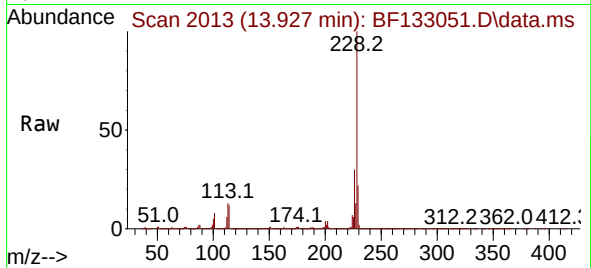




#83
Chrysene
Concen: 47.249 ng
RT: 13.927 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

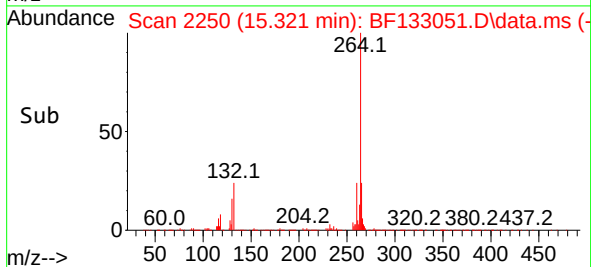
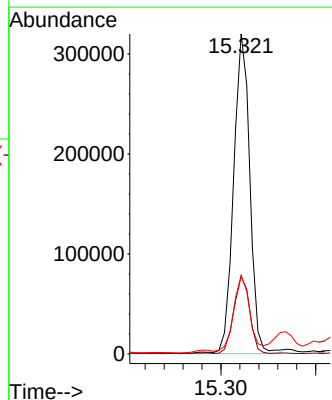
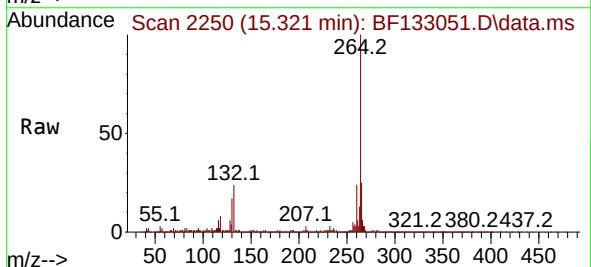
Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

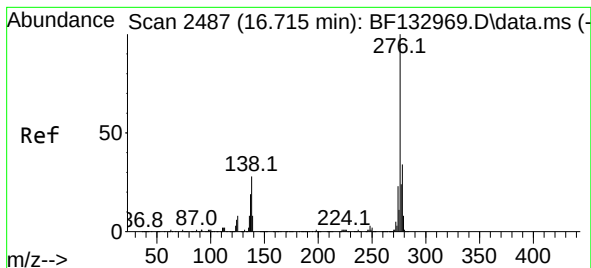
Tgt Ion:228 Resp: 1383902
Ion Ratio Lower Upper
228 100
226 30.5 24.7 37.1
229 22.3 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.321 min Scan# 2250
Delta R.T. 0.006 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

Tgt Ion:264 Resp: 380236
Ion Ratio Lower Upper
264 100
260 24.2 18.8 28.2
265 24.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 24.085 ng

RT: 16.704 min Scan# 2485

Delta R.T. 0.000 min

Lab File: BF133051.D

Acq: 26 Apr 2023 03:37

Instrument :

BNA_F

ClientSampleId :

SB-24-5-7-20230411

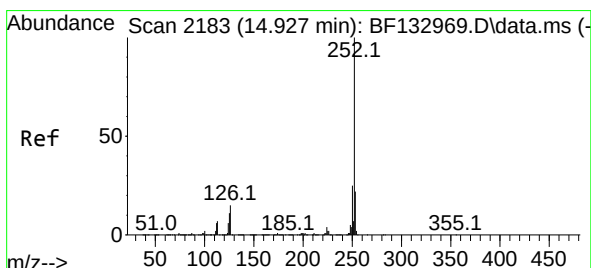
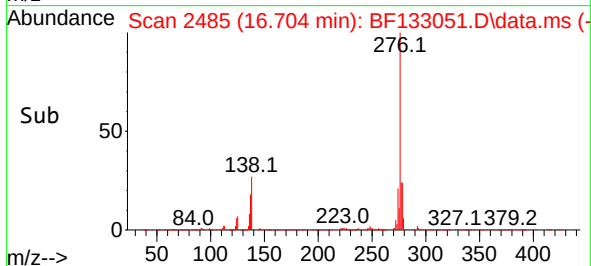
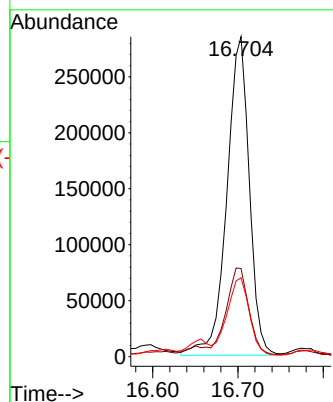
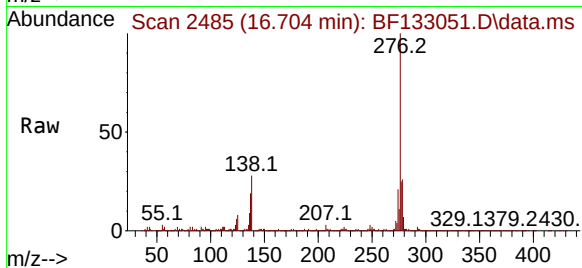
Tgt Ion:276 Resp: 520916

Ion Ratio Lower Upper

276 100

138 27.2 25.5 38.3

277 24.2 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 85.309 ng

RT: 14.921 min Scan# 2182

Delta R.T. 0.006 min

Lab File: BF133051.D

Acq: 26 Apr 2023 03:37

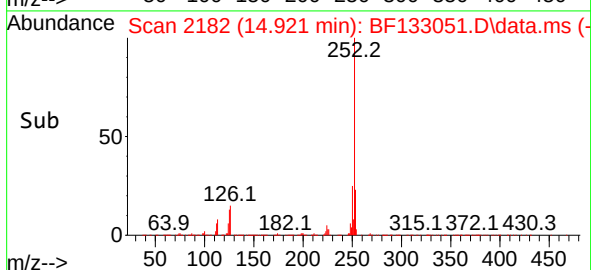
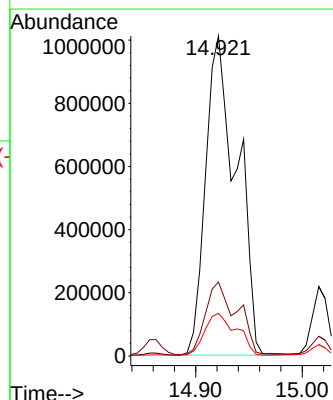
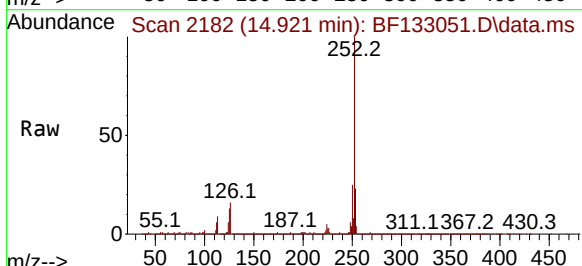
Tgt Ion:252 Resp: 2063632

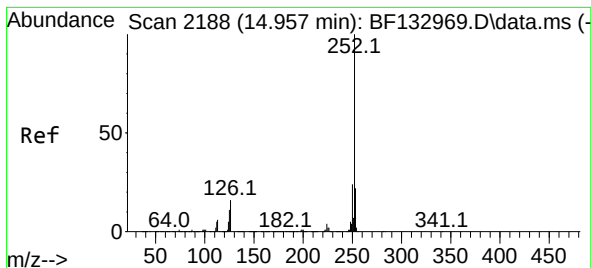
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 13.4 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 86.059 ng

RT: 14.921 min Scan# 2188

Delta R.T. -0.017 min

Lab File: BF133051.D

Acq: 26 Apr 2023 03:37

Instrument :

BNA_F

ClientSampleId :

SB-24-5-7-20230411

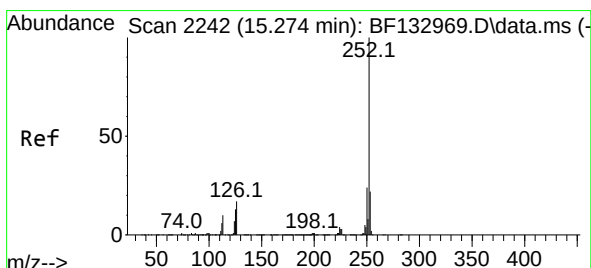
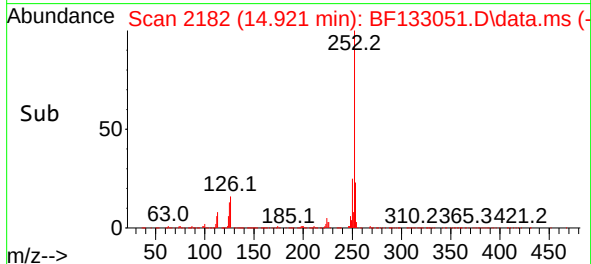
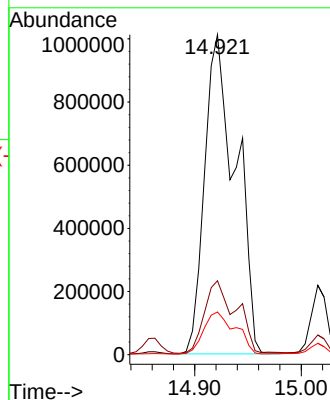
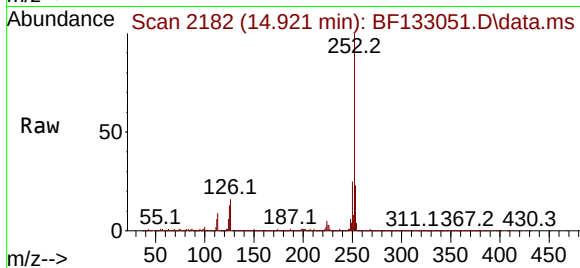
Tgt Ion:252 Resp: 2063632

Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 13.4 9.0 13.4



#90

Benzo(a)pyrene

Concen: 46.176 ng

RT: 15.268 min Scan# 2241

Delta R.T. 0.006 min

Lab File: BF133051.D

Acq: 26 Apr 2023 03:37

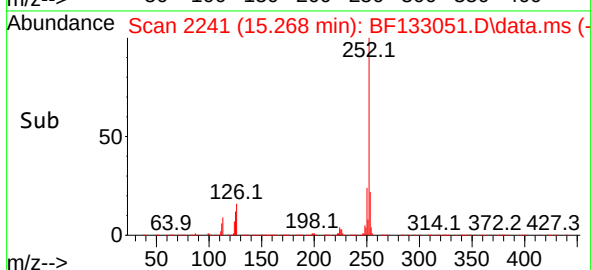
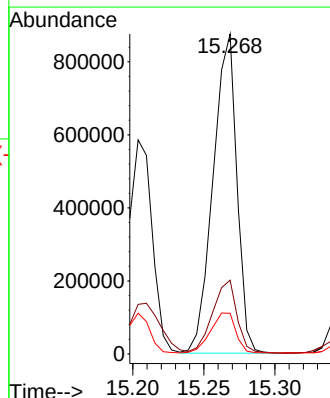
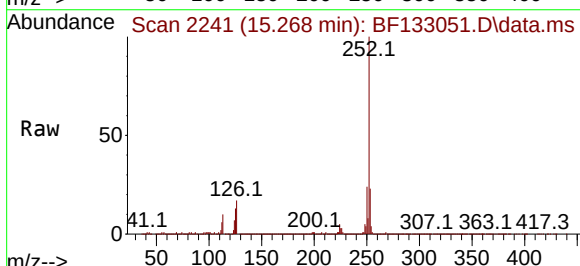
Tgt Ion:252 Resp: 1016707

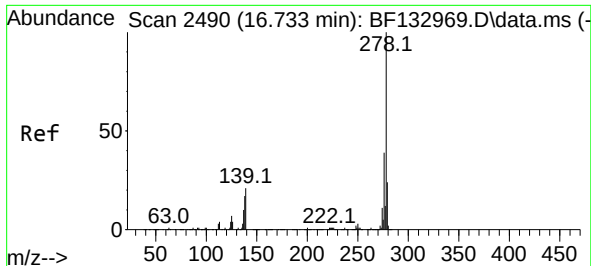
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 12.7 10.5 15.7

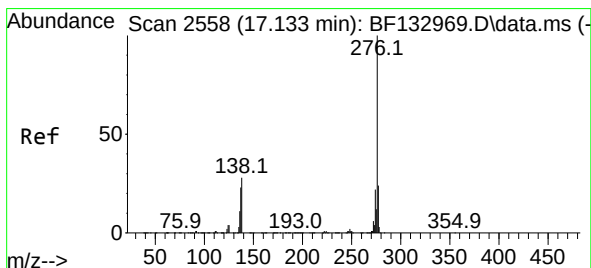
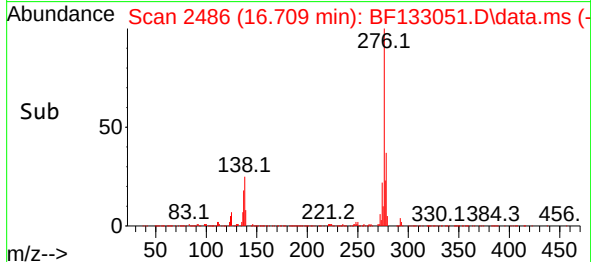
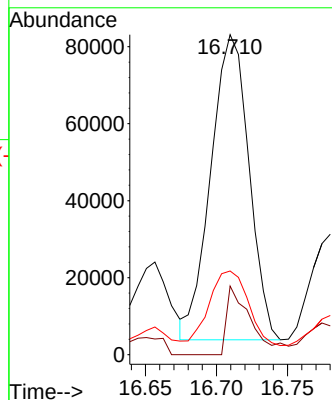
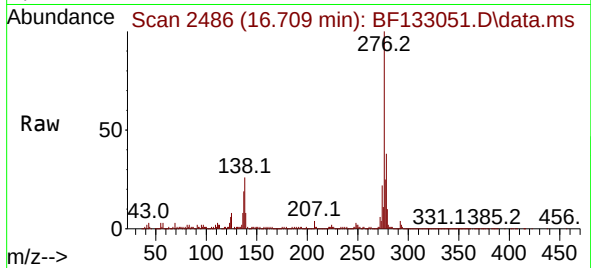




#91
Dibenzo(a,h)anthracene
Concen: 8.211 ng
RT: 16.709 min Scan# 2490
Delta R.T. -0.012 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

Instrument :
BNA_F
ClientSampleId :
SB-24-5-7-20230411

Tgt Ion:278 Resp: 148126
Ion Ratio Lower Upper
278 100
139 21.5 16.6 24.8
279 26.2 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 25.264 ng
RT: 17.115 min Scan# 2555
Delta R.T. -0.006 min
Lab File: BF133051.D
Acq: 26 Apr 2023 03:37

Tgt Ion:276 Resp: 449933
Ion Ratio Lower Upper
276 100
277 24.1 19.4 29.0
138 28.9 22.7 34.1

