

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133226.D
 Acq On : 04 May 2023 12:41
 Operator : CG\JU
 Sample : 02582-01DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-050223DL

Quant Time: May 04 13:40:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 04 12:22:53 2023
 Response via : Initial Calibration

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

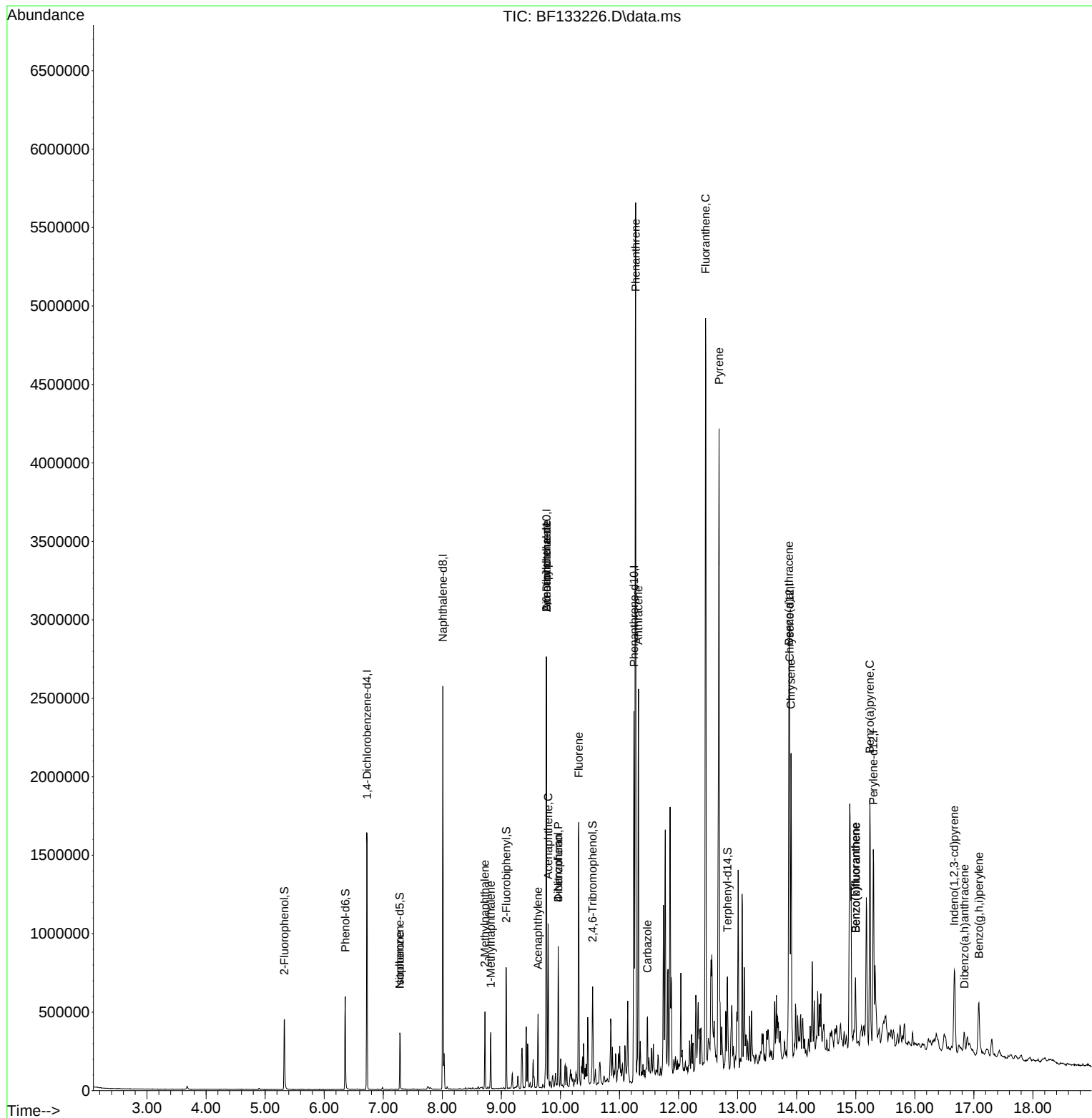
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	236211	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	962842	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	500713	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	874697	20.000	ng	0.00
76) Chrysene-d12	13.880	240	414365	20.000	ng	0.00
86) Perylene-d12	15.298	264	530559	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	140629	8.993	ng	0.00
7) Phenol-d6	6.357	99	177109	9.125	ng	-0.02
23) Nitrobenzene-d5	7.281	82	105083	5.891	ng	-0.02
42) 2,4,6-Tribromophenol	10.545	330	22354	4.439	ng	-0.01
45) 2-Fluorobiphenyl	9.080	172	204231	6.824	ng	-0.01
79) Terphenyl-d14	12.827	244	176890	7.363	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.263	77	291	Below Cal	#	33
25) Isophorone	7.281	82	105080	3.103	ng	# 62
37) 2-Methylnaphthalene	8.722	142	112395	3.415	ng	98
38) 1-Methylnaphthalene	8.822	142	87076	2.828	ng	100
49) Acenaphthylene	9.622	152	141570	3.049	ng	98
50) Dimethylphthalate	9.763	163	102761	2.943	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	71314	9.075	ng	# 25
52) Acenaphthene	9.792	154	194672	6.260	ng	99
55) Dibenzofuran	9.963	168	268993	6.341	ng	95
56) 4-Nitrophenol	9.963	139	104235	14.404	ng	# 17
58) Fluorene	10.310	166	441122	14.193	ng	99
71) Phenanthrene	11.274	178	2111283	44.909	ng	99
72) Anthracene	11.321	178	880277	18.296	ng	99
73) Carbazole	11.474	167	143928	3.360	ng	99
75) Fluoranthene	12.457	202	2060184	43.664	ng	99
78) Pyrene	12.686	202	1736785	48.895	ng	99
81) Benzo(a)anthracene	13.868	228	849977	29.829	ng	94
83) Chrysene	13.904	228	691638	24.279	ng	96
87) Indeno(1,2,3-cd)pyrene	16.668	276	329007	10.902	ng	94
88) Benzo(b)fluoranthene	14.998	252	178681	5.294	ng	93
89) Benzo(k)fluoranthene	14.998	252	178681	5.340	ng	93
90) Benzo(a)pyrene	15.239	252	674434	21.952	ng	97
91) Dibenzo(a,h)anthracene	16.839	278	82017	3.258	ng	97
92) Benzo(g,h,i)perylene	17.086	276	245497	9.879	ng	97

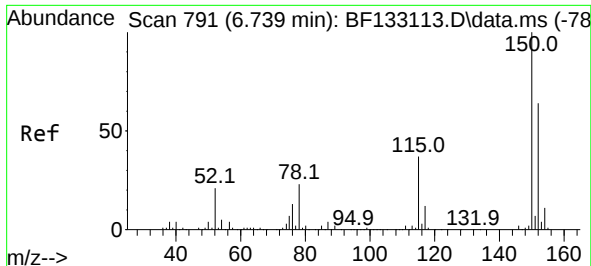
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133226.D
Acq On : 04 May 2023 12:41
Operator : CG\JU
Sample : 02582-01DL 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-050223DL

Quant Time: May 04 13:40:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 04 12:22:53 2023
Response via : Initial Calibration

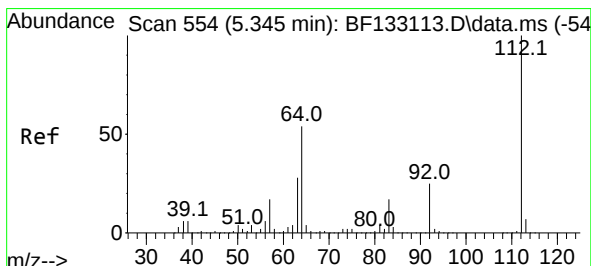
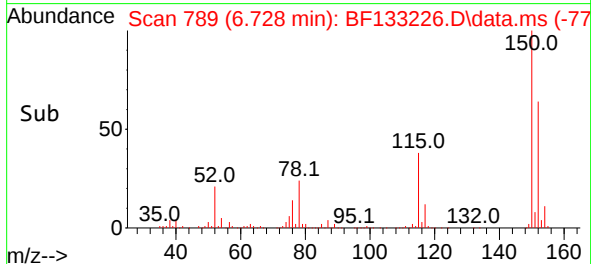
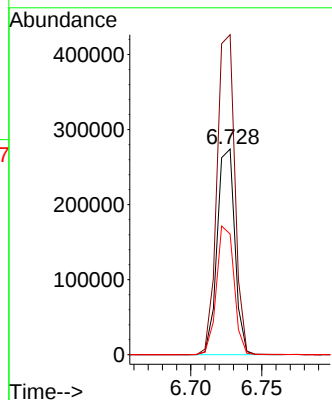
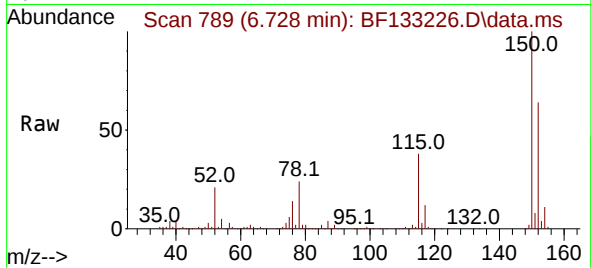




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

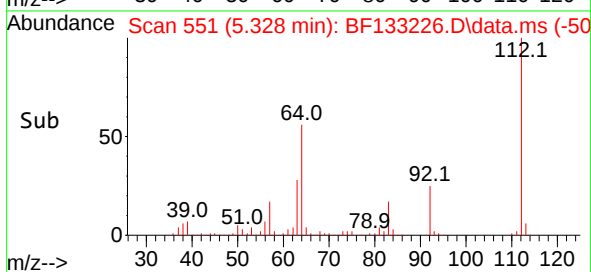
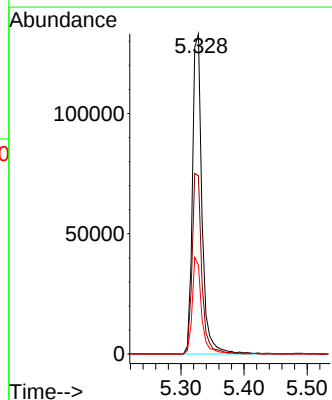
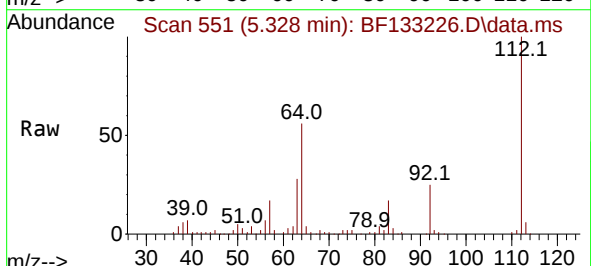
Instrument :
BNA_F
ClientSampleId :
HD-02-050223DL

Tgt Ion:152 Resp: 236211
Ion Ratio Lower Upper
152 100
150 155.6 124.8 187.2
115 58.7 49.9 74.9



#5
2-Fluorophenol
Concen: 8.993 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

Tgt Ion:112 Resp: 140629
Ion Ratio Lower Upper
112 100
64 55.6 46.8 70.2
63 27.7 23.8 35.8

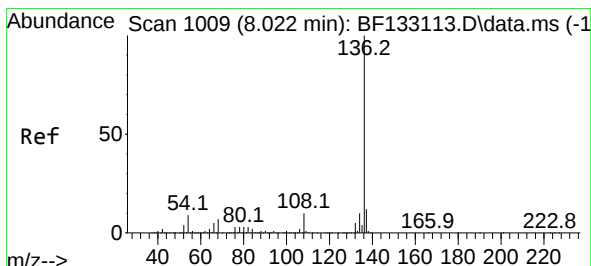
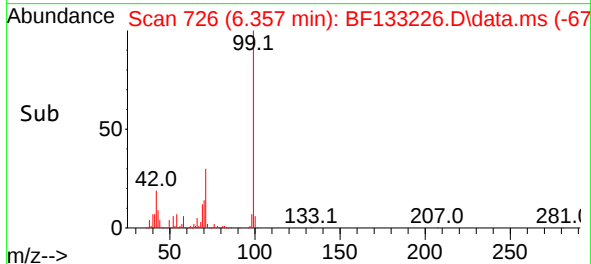
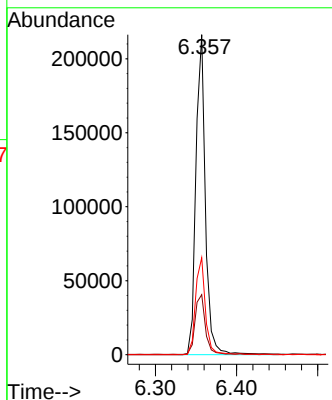
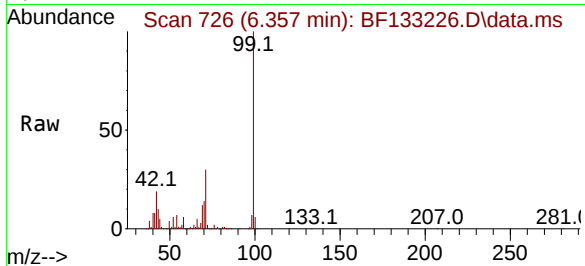




#7
Phenol-d6
Concen: 9.125 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

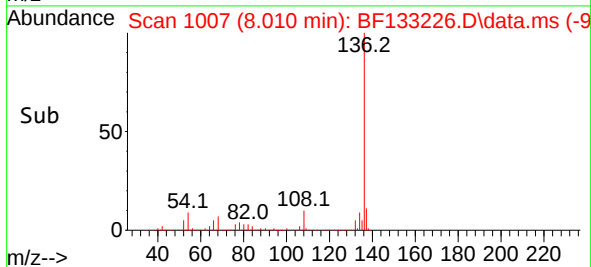
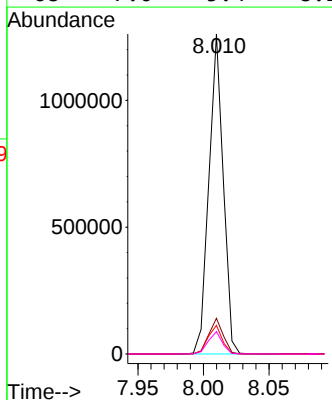
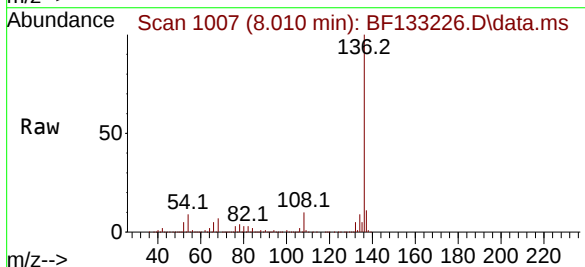
Instrument :
BNA_F
ClientSampleId :
HD-02-050223DL

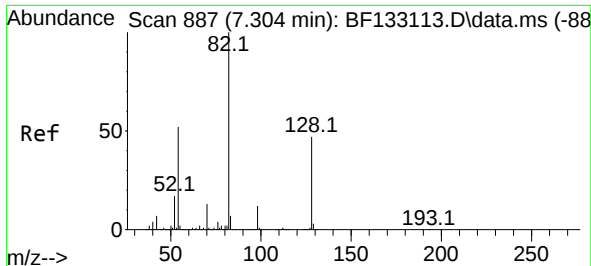
Tgt Ion: 99 Resp: 177109
Ion Ratio Lower Upper
99 100
42 18.8 16.3 24.5
71 30.3 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

Tgt Ion: 136 Resp: 962842
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.9 7.0 10.4
68 7.0 5.4 8.2





#23

Nitrobenzene-d5

Concen: 5.891 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.018 min

Lab File: BF133226.D

Acq: 04 May 2023 12:41

Instrument :

BNA_F

ClientSampleId :

HD-02-050223DL

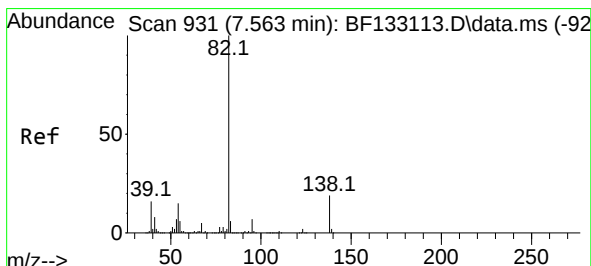
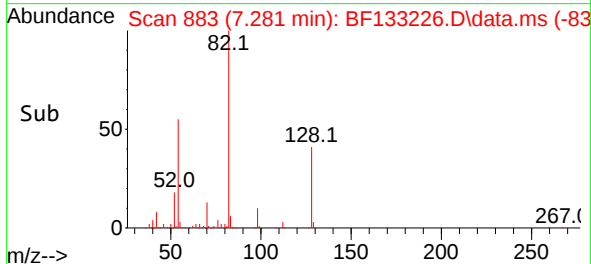
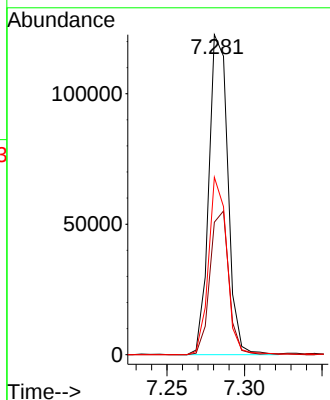
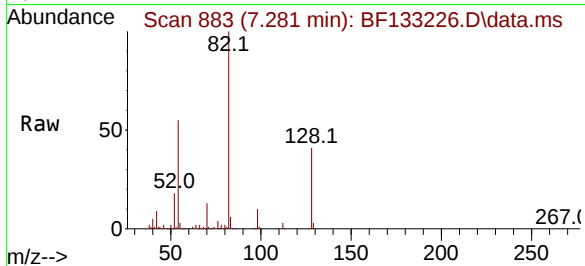
Tgt Ion: 82 Resp: 105083

Ion Ratio Lower Upper

82 100

128 41.4 37.7 56.5

54 55.4 43.0 64.4



#25

Isophorone

Concen: 3.103 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.277 min

Lab File: BF133226.D

Acq: 04 May 2023 12:41

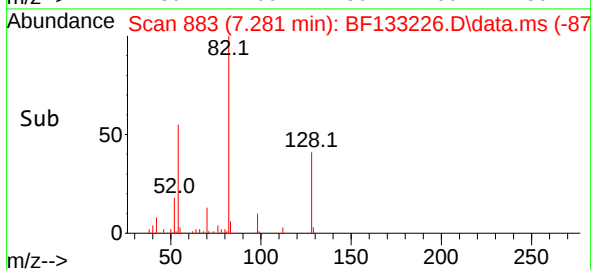
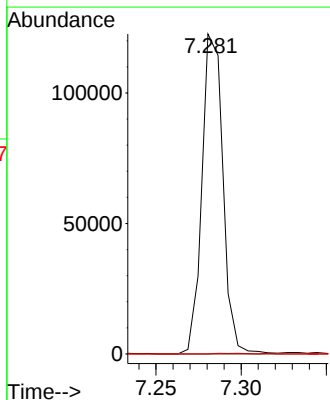
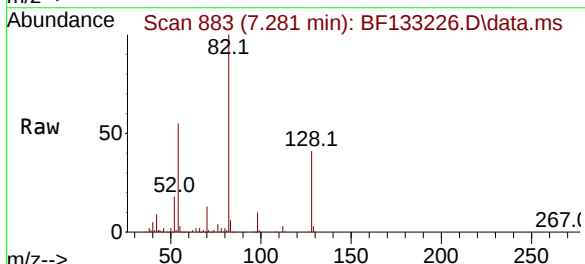
Tgt Ion: 82 Resp: 105080

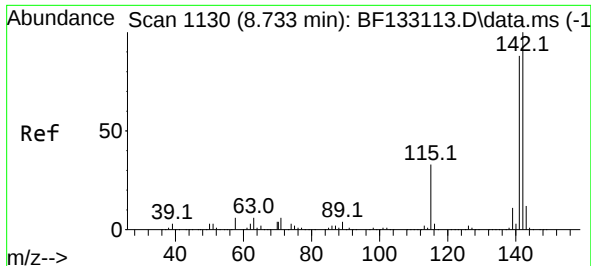
Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 16.0 24.0#





#37

2-Methylnaphthalene

Concen: 3.415 ng

RT: 8.722 min Scan# 1128

Delta R.T. -0.006 min

Lab File: BF133226.D

Acq: 04 May 2023 12:41

Instrument :

BNA_F

ClientSampleId :

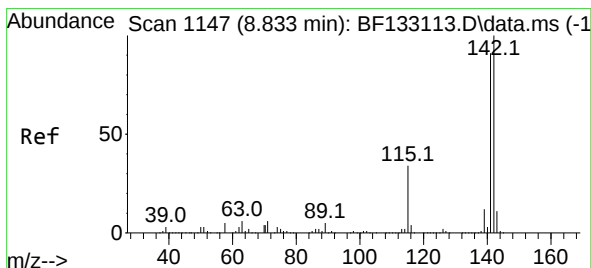
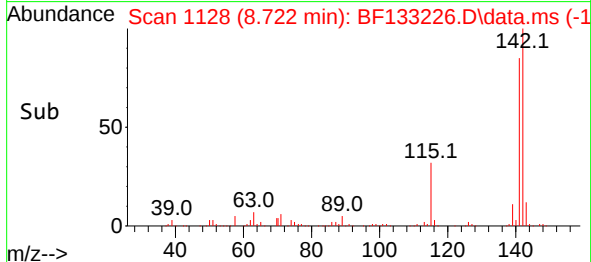
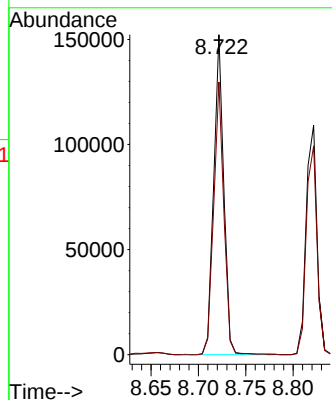
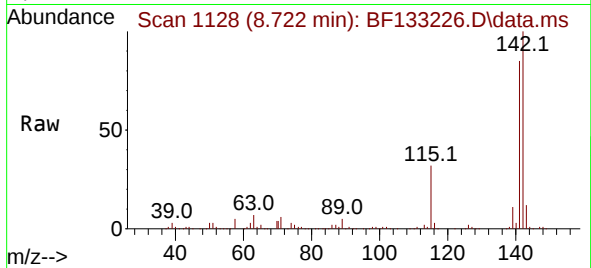
HD-02-050223DL

Tgt Ion:142 Resp: 112395

Ion Ratio Lower Upper

142 100

141 85.2 69.4 104.0



#38

1-Methylnaphthalene

Concen: 2.828 ng

RT: 8.822 min Scan# 1145

Delta R.T. -0.006 min

Lab File: BF133226.D

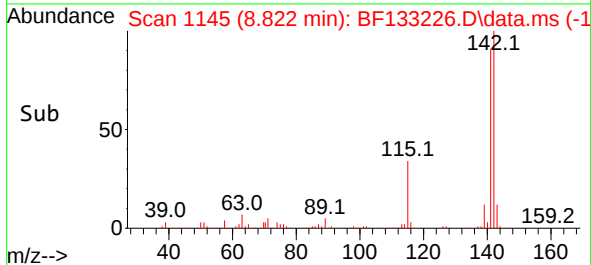
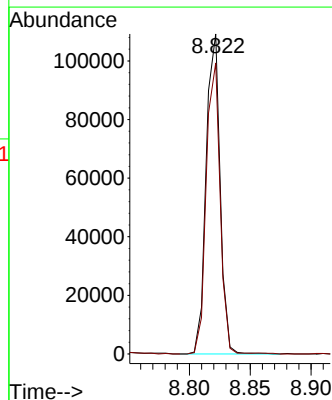
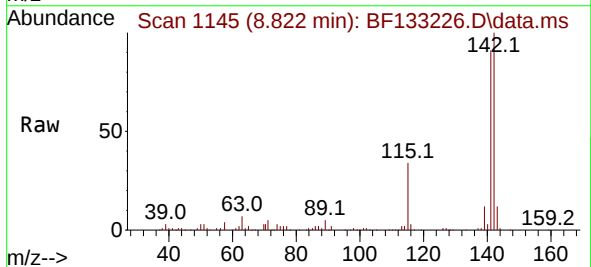
Acq: 04 May 2023 12:41

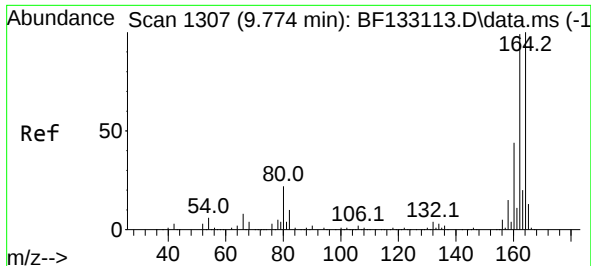
Tgt Ion:142 Resp: 87076

Ion Ratio Lower Upper

142 100

141 90.9 73.1 109.7

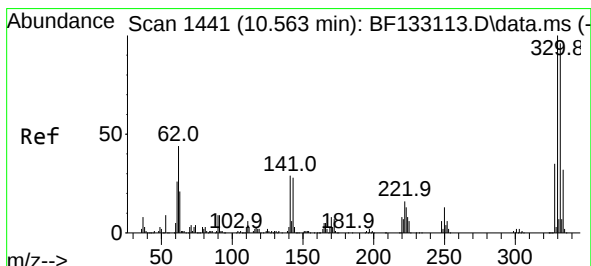
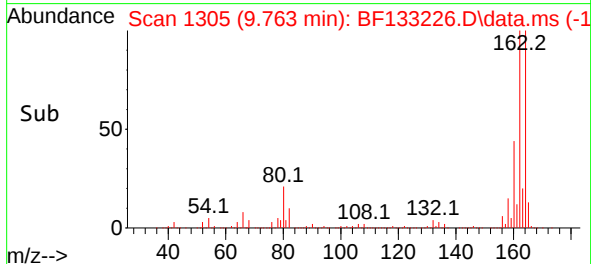
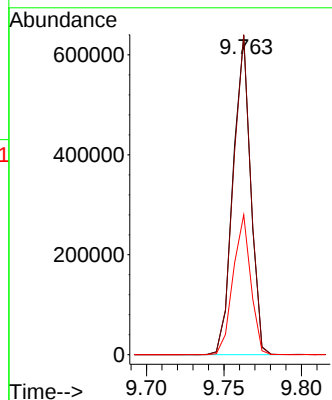
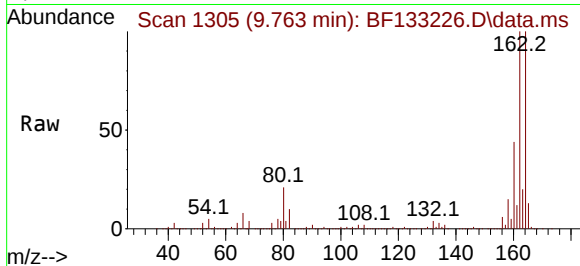




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

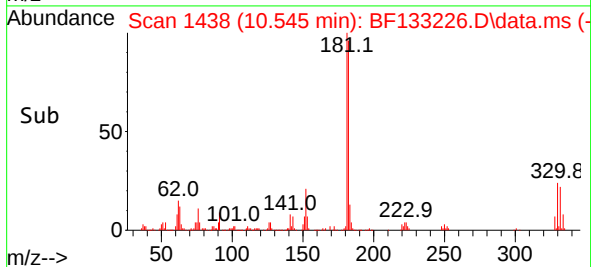
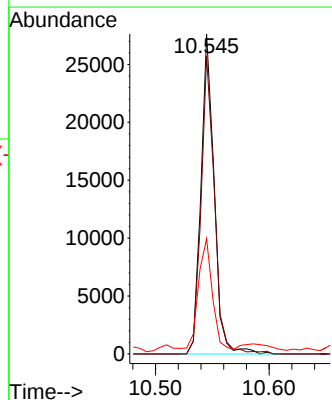
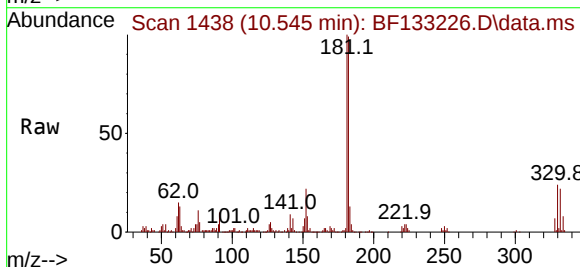
Instrument :
BNA_F
ClientSampleId :
HD-02-050223DL

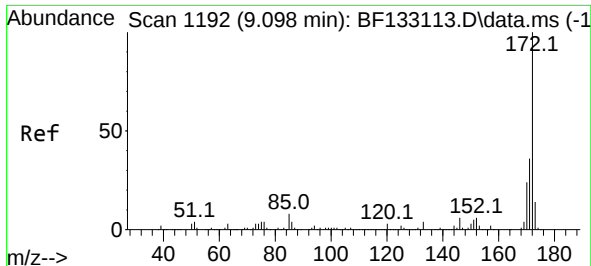
Tgt Ion:164 Resp: 500713
Ion Ratio Lower Upper
164 100
162 100.3 78.7 118.1
160 43.8 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 4.439 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.012 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

Tgt Ion:330 Resp: 22354
Ion Ratio Lower Upper
330 100
332 94.3 77.1 115.7
141 36.8 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 6.824 ng

RT: 9.080 min Scan# 1192

Delta R.T. -0.012 min

Lab File: BF133226.D

Acq: 04 May 2023 12:41

Instrument :

BNA_F

ClientSampleId :

HD-02-050223DL

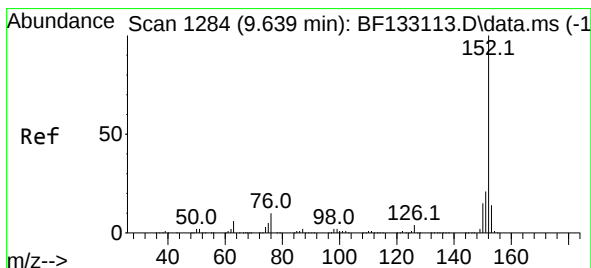
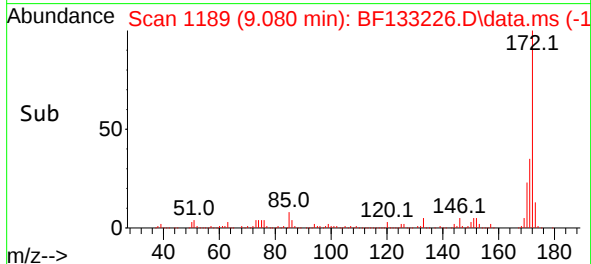
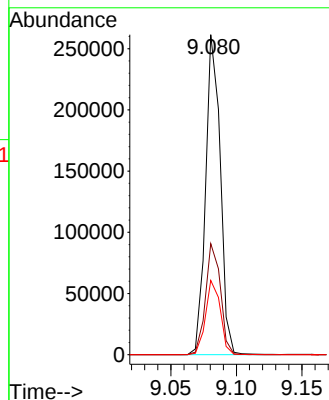
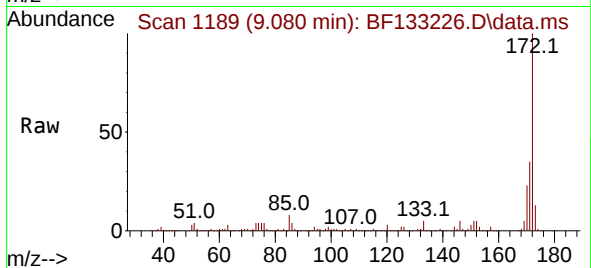
Tgt Ion:172 Resp: 204231

Ion Ratio Lower Upper

172 100

171 34.7 28.8 43.2

170 23.2 19.4 29.2



#49

Acenaphthylene

Concen: 3.049 ng

RT: 9.622 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF133226.D

Acq: 04 May 2023 12:41

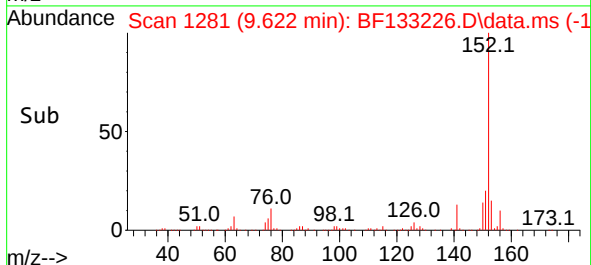
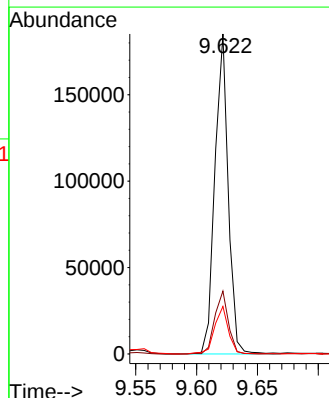
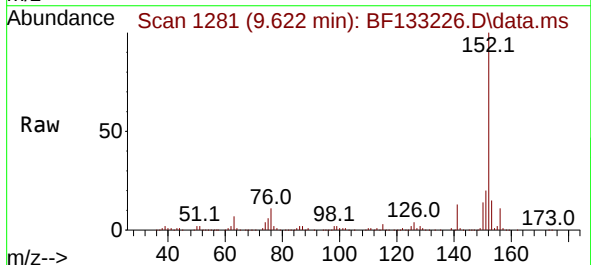
Tgt Ion:152 Resp: 141570

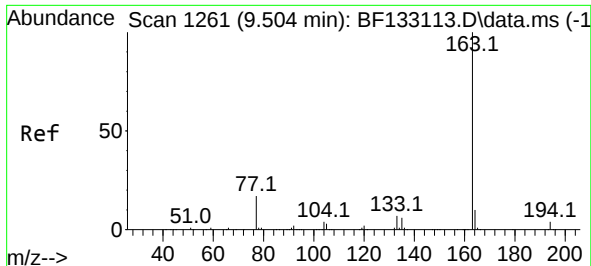
Ion Ratio Lower Upper

152 100

151 19.7 16.6 24.8

153 14.9 11.5 17.3

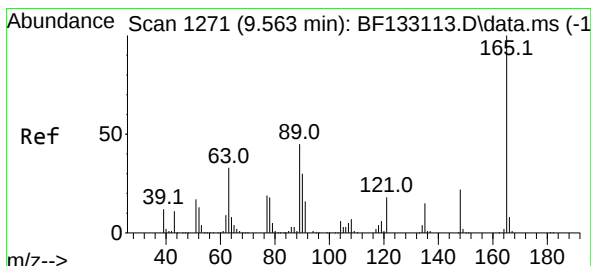
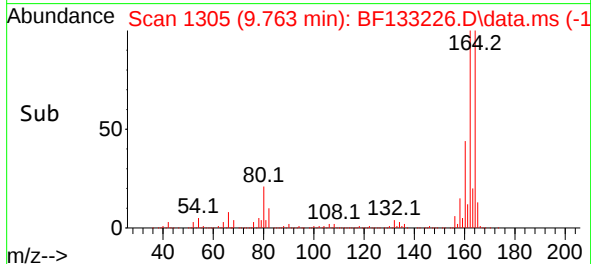
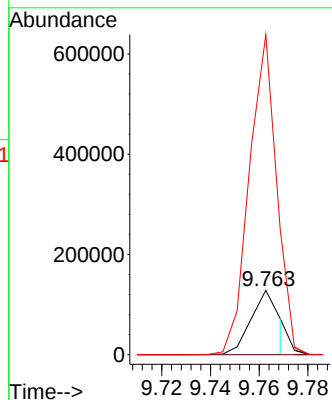
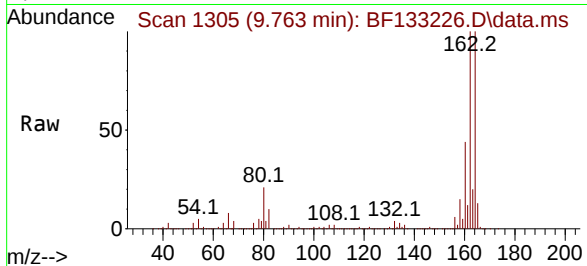




#50
Dimethylphthalate
Concen: 2.943 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.265 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

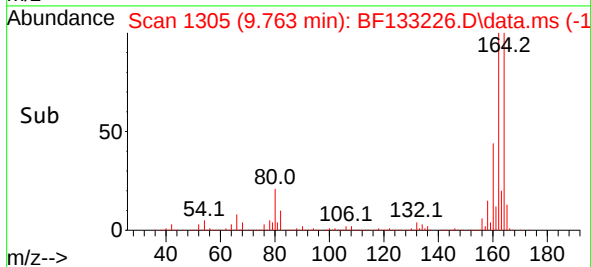
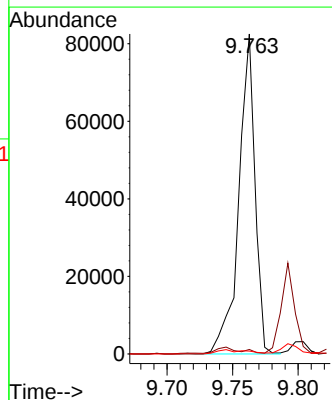
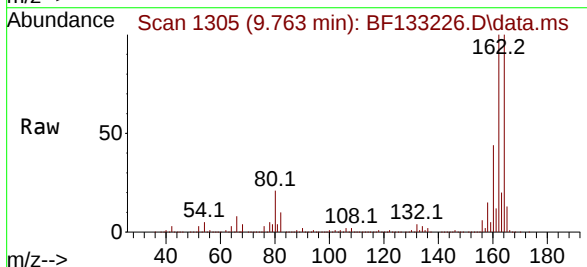
Instrument :
BNA_F
ClientSampleId :
HD-02-050223DL

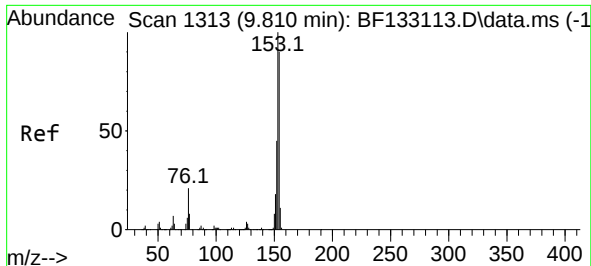
Tgt Ion:163 Resp: 102761
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 497.5 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 9.075 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.206 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

Tgt Ion:165 Resp: 71314
Ion Ratio Lower Upper
165 100
63 1.4 45.9 68.9#
89 0.9 44.0 66.0#

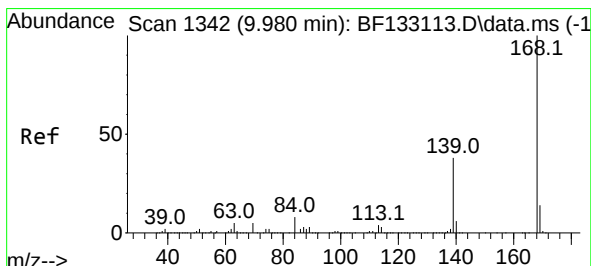
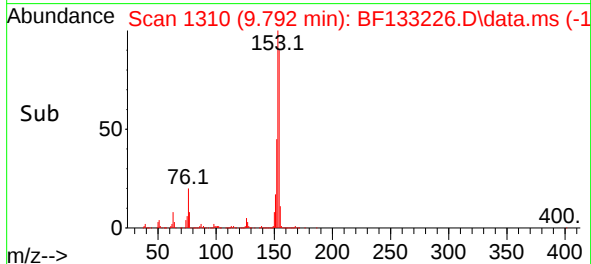
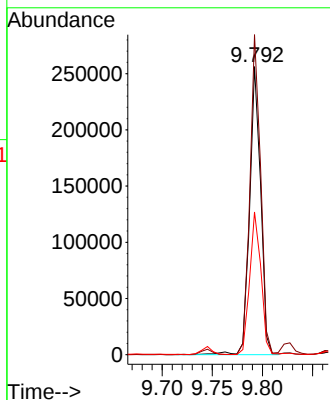
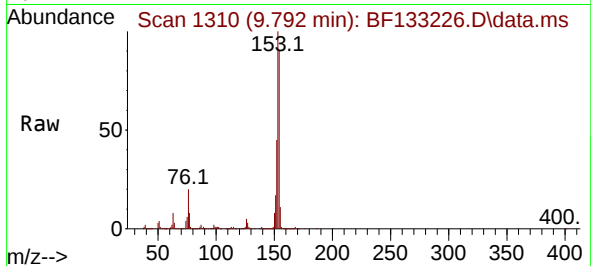




#52
Acenaphthene
Concen: 6.260 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

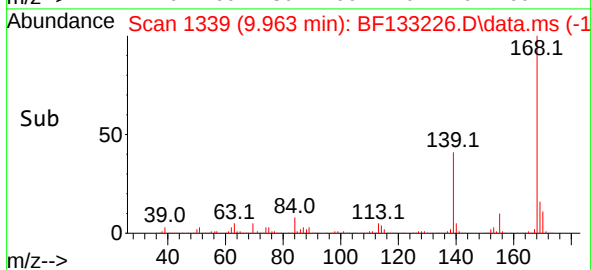
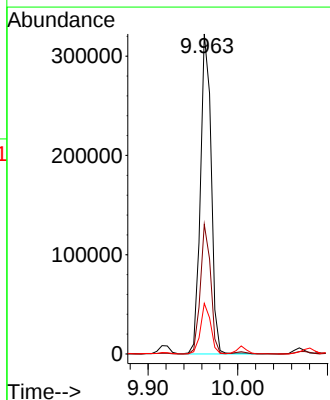
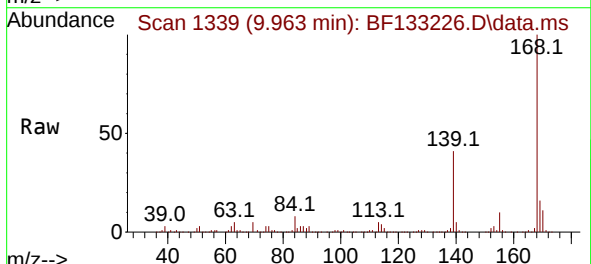
Instrument :
BNA_F
ClientSampleId :
HD-02-050223DL

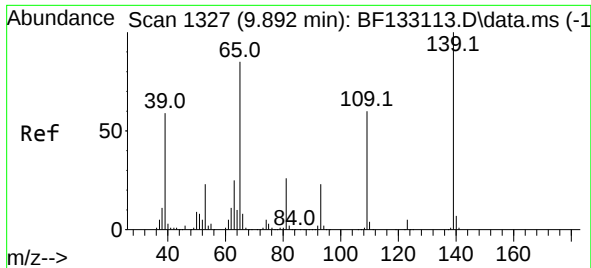
Tgt Ion:154 Resp: 194672
Ion Ratio Lower Upper
154 100
153 111.1 89.0 133.6
152 49.6 40.4 60.6



#55
Dibenzofuran
Concen: 6.341 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.012 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

Tgt Ion:168 Resp: 268993
Ion Ratio Lower Upper
168 100
139 40.5 29.8 44.8
169 15.8 10.8 16.2

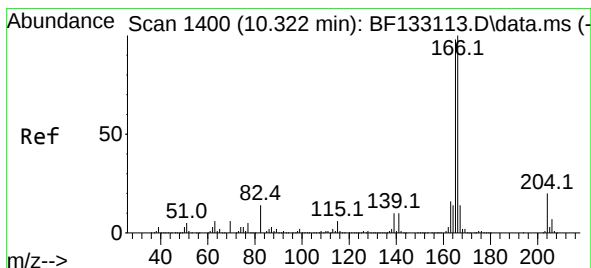
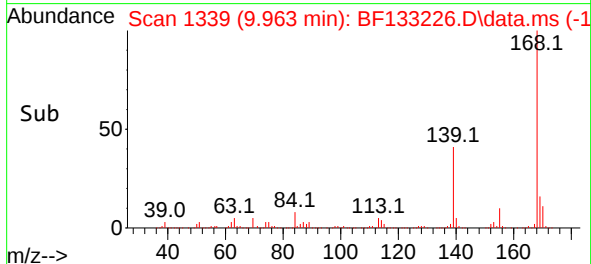
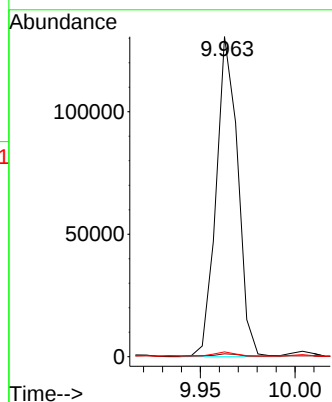
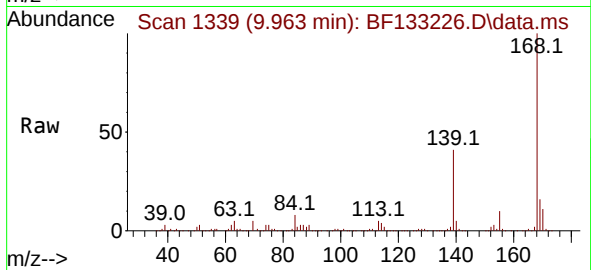




#56
4-Nitrophenol
Concen: 14.404 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

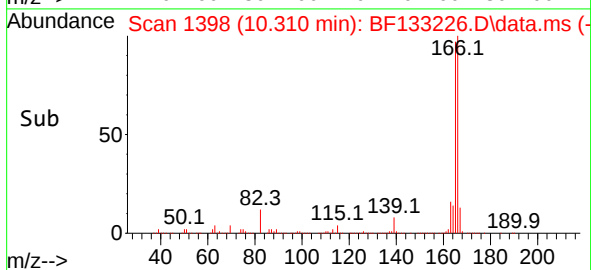
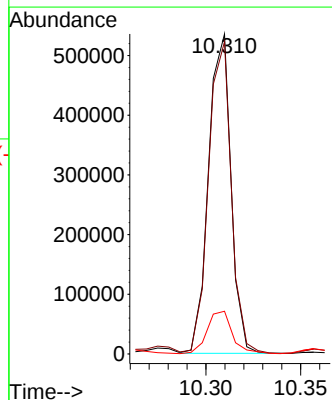
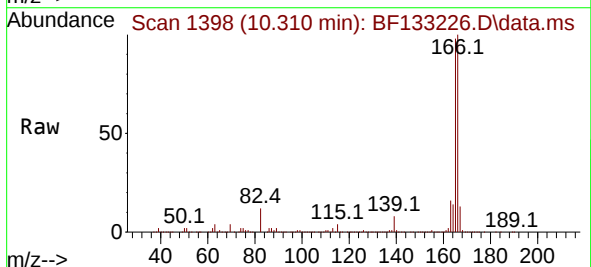
Instrument :
BNA_F
ClientSampleId :
HD-02-050223DL

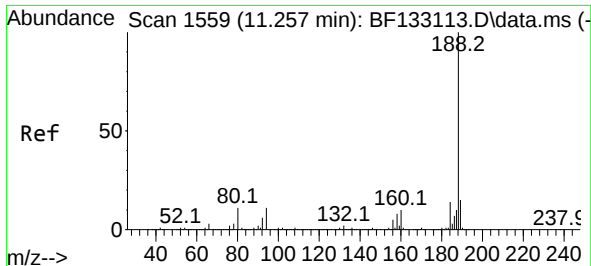
Tgt Ion:139 Resp: 104235
Ion Ratio Lower Upper
139 100
109 0.9 39.4 79.4#
65 1.5 57.5 97.5#



#58
Fluorene
Concen: 14.193 ng
RT: 10.310 min Scan# 1398
Delta R.T. -0.006 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

Tgt Ion:166 Resp: 441122
Ion Ratio Lower Upper
166 100
165 97.6 78.6 117.8
167 13.3 11.0 16.4

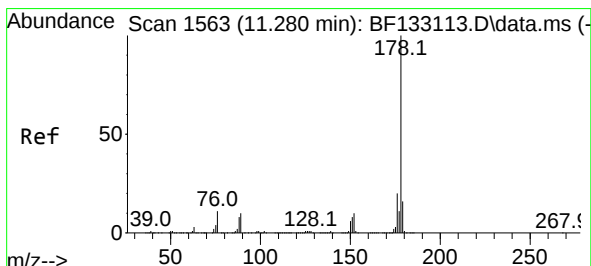
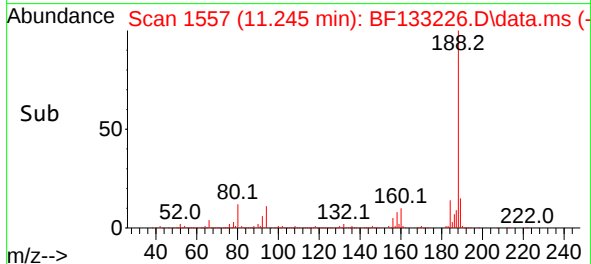
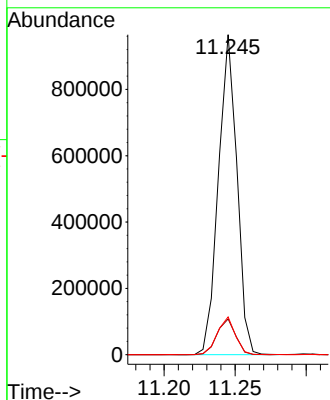
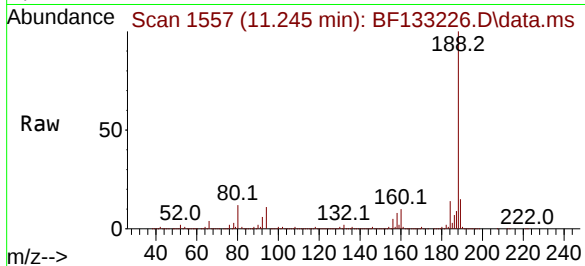




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

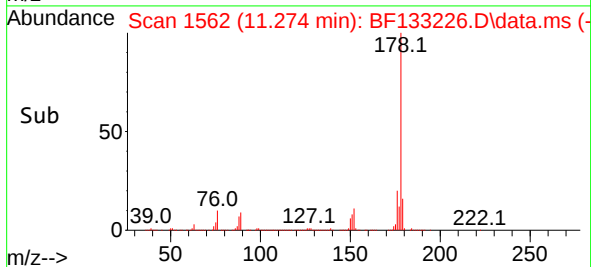
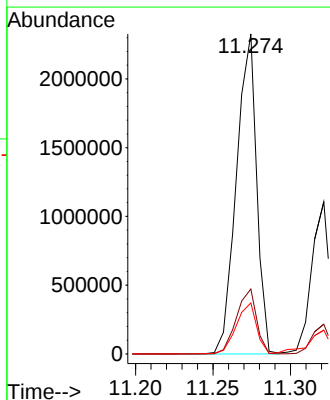
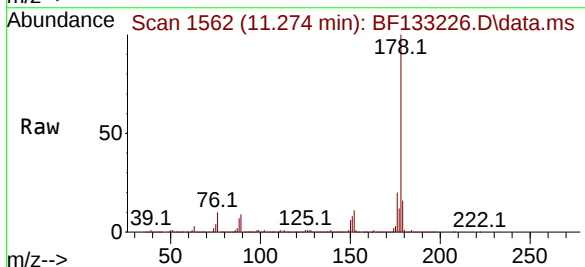
Instrument :
BNA_F
ClientSampleId :
HD-02-050223DL

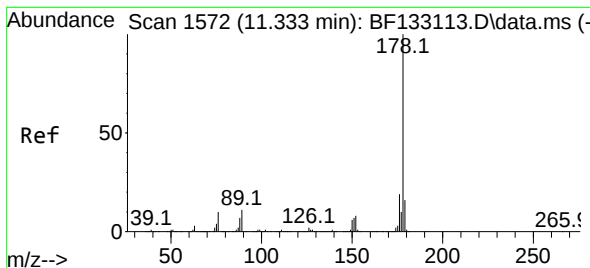
Tgt Ion:188 Resp: 874697
Ion Ratio Lower Upper
188 100
94 11.2 9.7 14.5
80 11.8 10.4 15.6



#71
Phenanthrene
Concen: 44.909 ng
RT: 11.274 min Scan# 1562
Delta R.T. -0.000 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

Tgt Ion:178 Resp: 2111283
Ion Ratio Lower Upper
178 100
176 20.3 15.9 23.9
179 16.0 12.5 18.7





#72

Anthracene

Concen: 18.296 ng

RT: 11.321 min Scan# 1570

Delta R.T. -0.006 min

Lab File: BF133226.D

Acq: 04 May 2023 12:41

Instrument :

BNA_F

ClientSampleId :

HD-02-050223DL

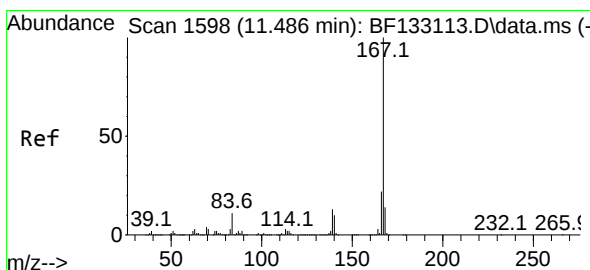
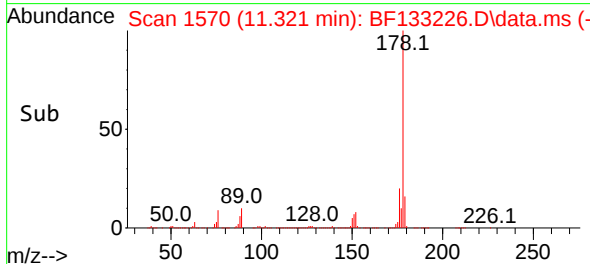
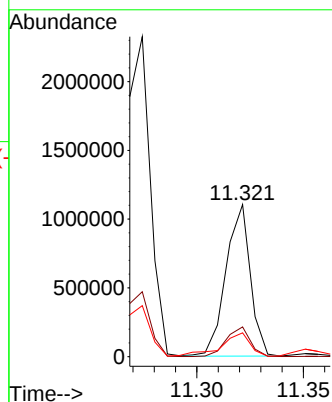
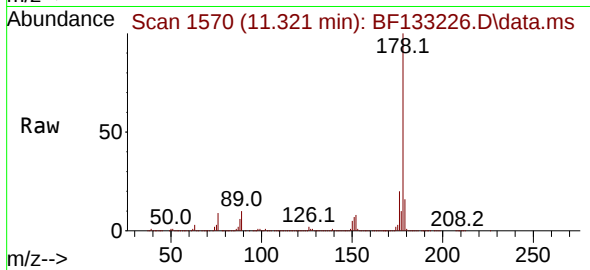
Tgt Ion:178 Resp: 880277

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

179 15.6 12.4 18.6



#73

Carbazole

Concen: 3.360 ng

RT: 11.474 min Scan# 1596

Delta R.T. -0.006 min

Lab File: BF133226.D

Acq: 04 May 2023 12:41

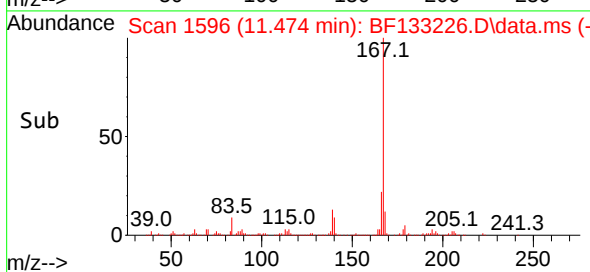
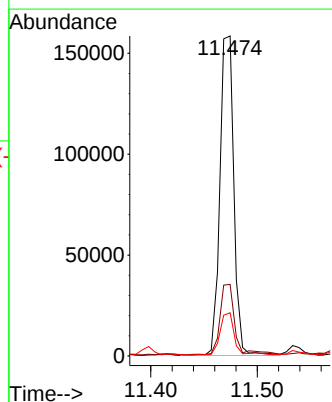
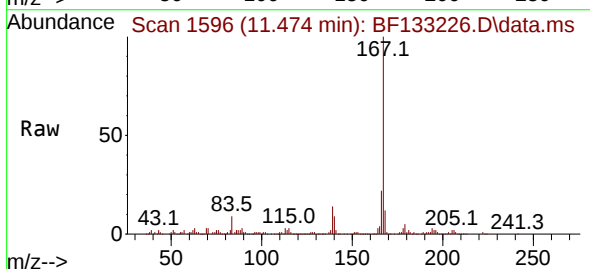
Tgt Ion:167 Resp: 143928

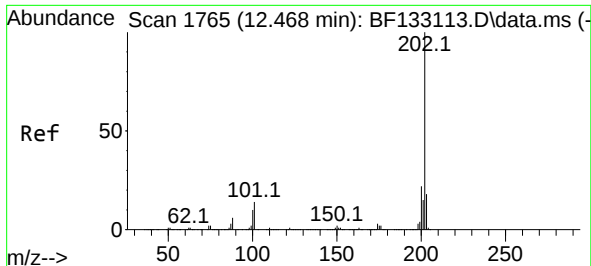
Ion Ratio Lower Upper

167 100

166 22.4 17.4 26.0

139 13.5 10.6 16.0

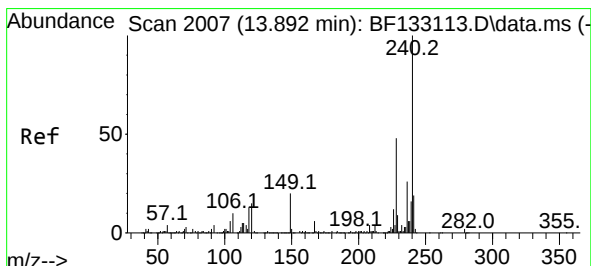
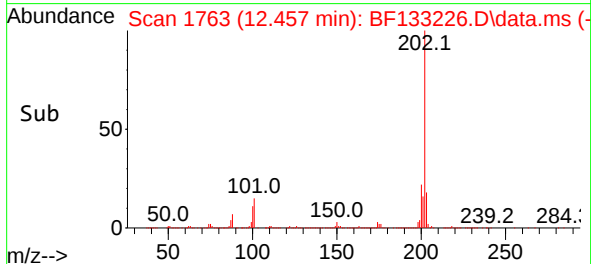
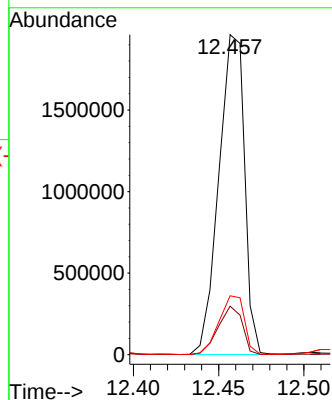
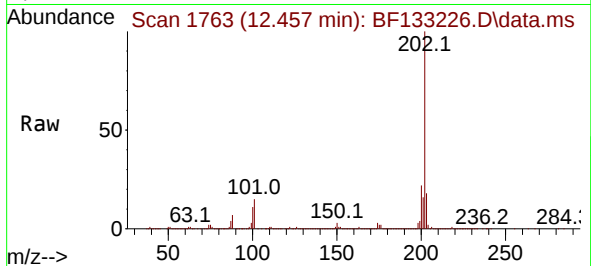




#75
Fluoranthene
Concen: 43.664 ng
RT: 12.457 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

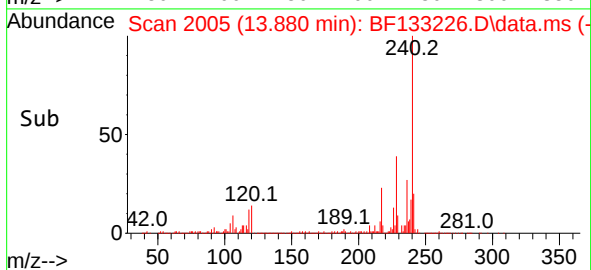
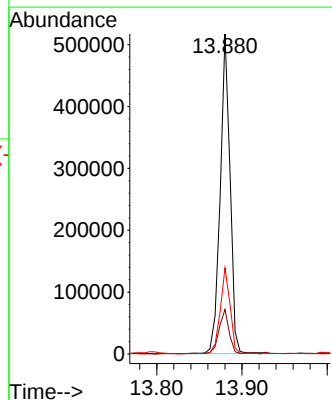
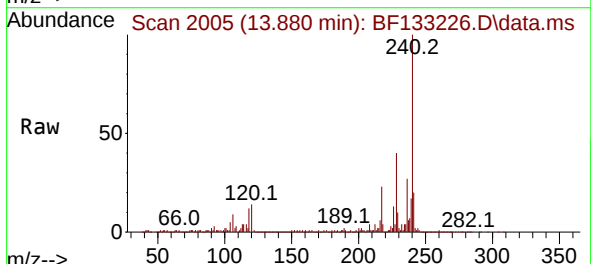
Instrument :
BNA_F
ClientSampleId :
HD-02-050223DL

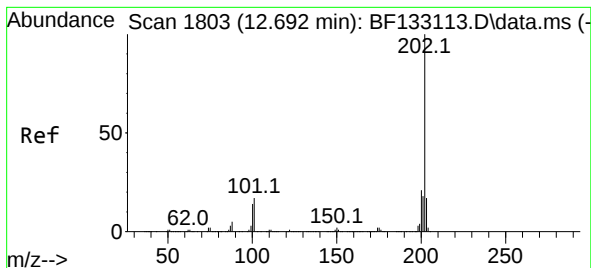
Tgt Ion:202 Resp: 2060184
Ion Ratio Lower Upper
202 100
101 15.1 0.0 35.3
203 18.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

Tgt Ion:240 Resp: 414365
Ion Ratio Lower Upper
240 100
120 13.9 10.5 15.7
236 26.9 21.5 32.3





#78

Pyrene

Concen: 48.895 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.000 min

Lab File: BF133226.D

Acq: 04 May 2023 12:41

Instrument :

BNA_F

ClientSampleId :

HD-02-050223DL

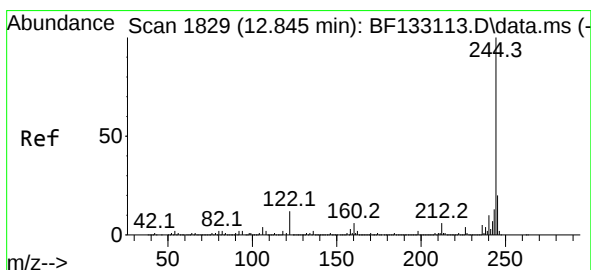
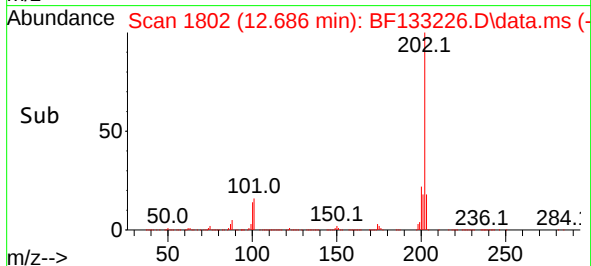
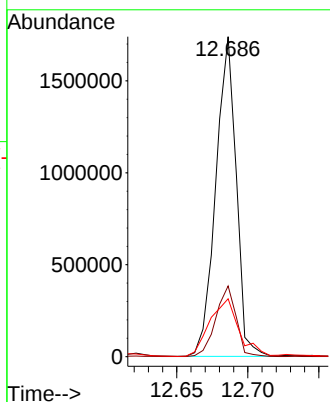
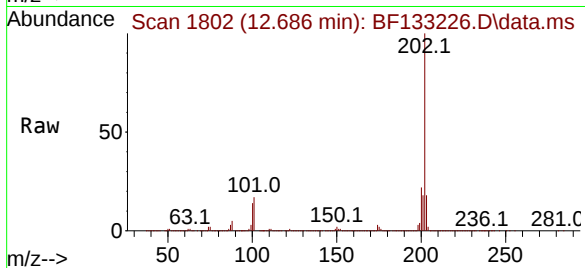
Tgt Ion:202 Resp: 1736785

Ion Ratio Lower Upper

202 100

200 22.1 17.1 25.7

203 18.1 14.1 21.1



#79

Terphenyl-d14

Concen: 7.363 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF133226.D

Acq: 04 May 2023 12:41

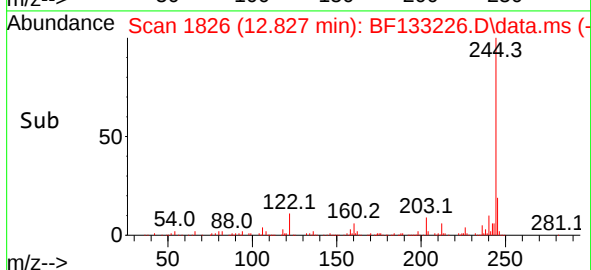
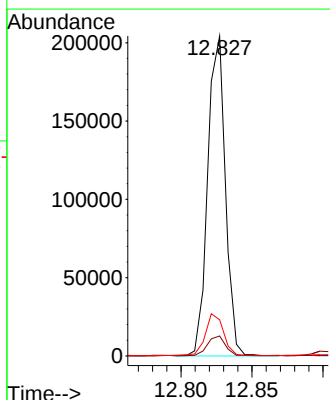
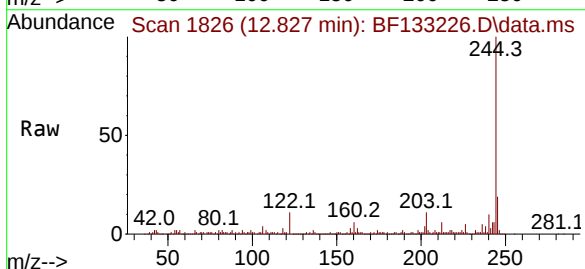
Tgt Ion:244 Resp: 176890

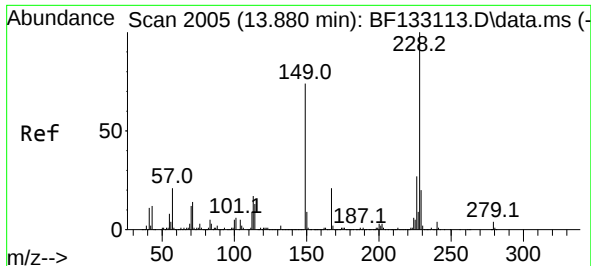
Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

122 11.3 8.6 13.0

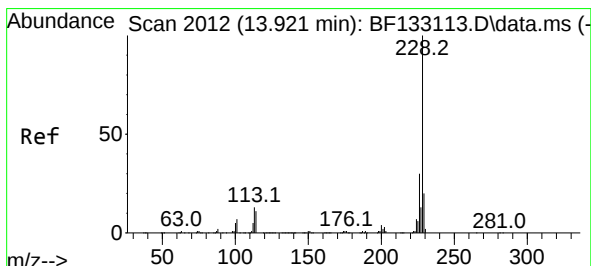
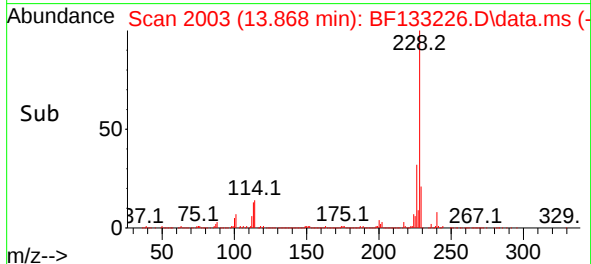
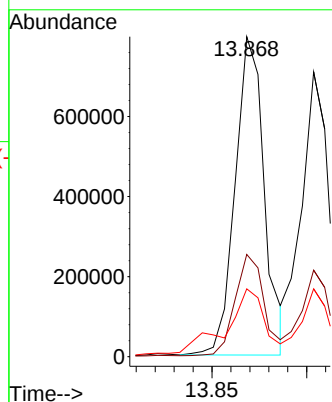
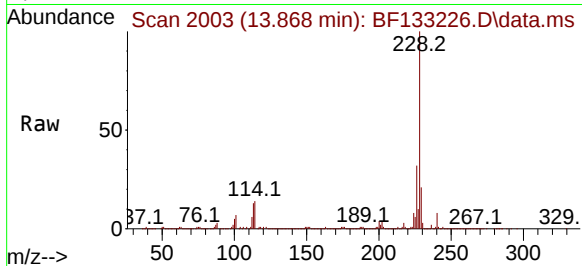




#81
Benzo(a)anthracene
Concen: 29.829 ng
RT: 13.868 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

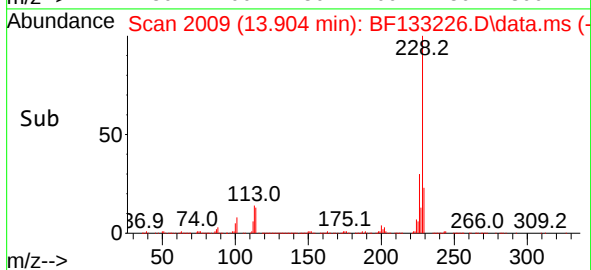
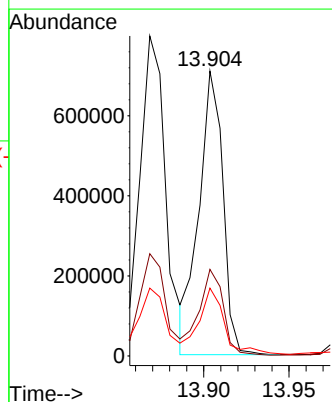
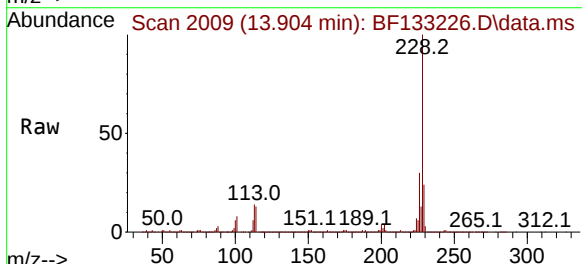
Instrument :
BNA_F
ClientSampleId :
HD-02-050223DL

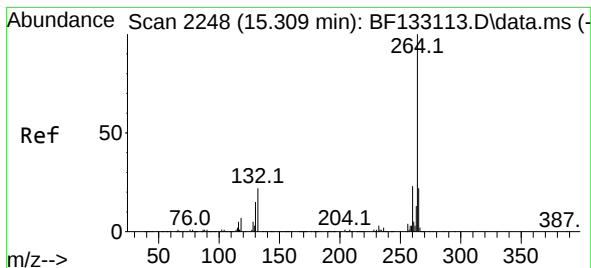
Tgt Ion:228 Resp: 849977
Ion Ratio Lower Upper
228 100
226 32.0 22.2 33.4
229 21.2 16.0 24.0



#83
Chrysene
Concen: 24.279 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

Tgt Ion:228 Resp: 691638
Ion Ratio Lower Upper
228 100
226 30.4 24.7 37.1
229 23.8 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133226.D

Acq: 04 May 2023 12:41

Instrument :

BNA_F

ClientSampleId :

HD-02-050223DL

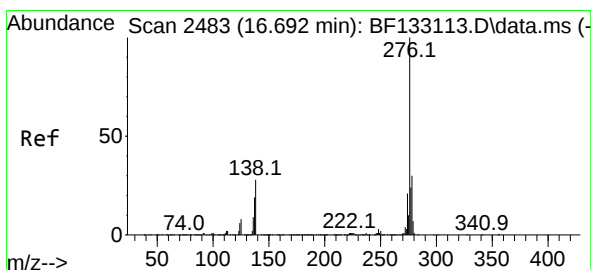
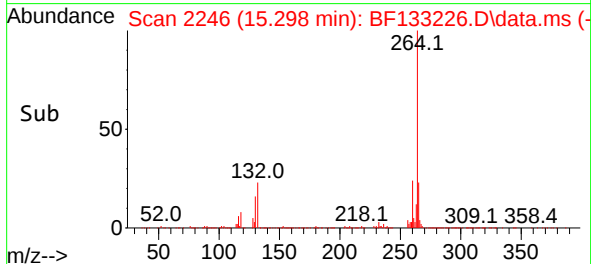
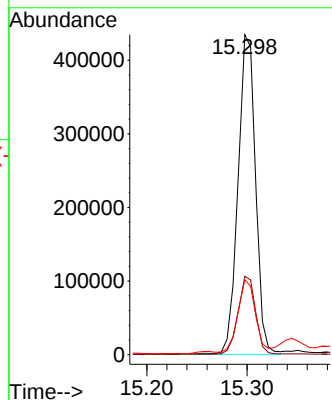
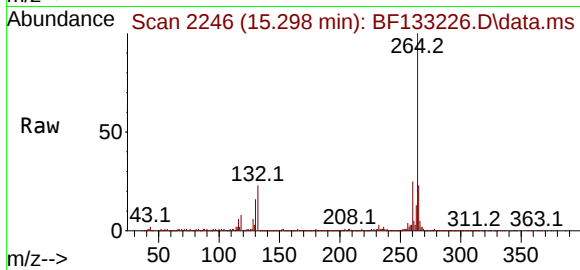
Tgt Ion:264 Resp: 530559

Ion Ratio Lower Upper

264 100

260 24.5 18.8 28.2

265 23.4 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.902 ng

RT: 16.668 min Scan# 2479

Delta R.T. -0.006 min

Lab File: BF133226.D

Acq: 04 May 2023 12:41

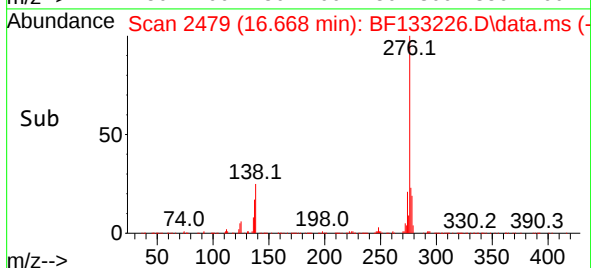
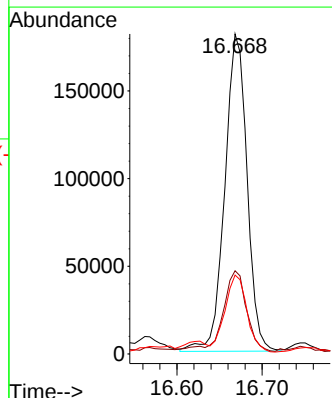
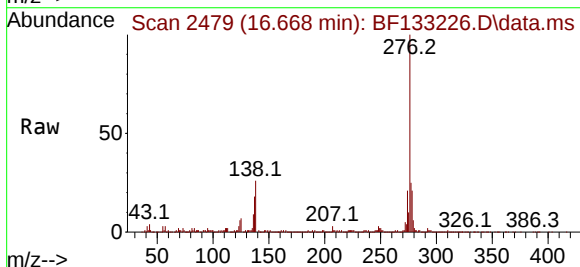
Tgt Ion:276 Resp: 329007

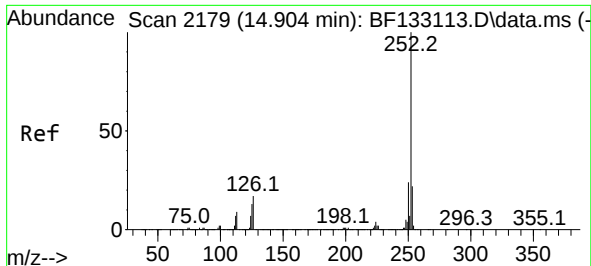
Ion Ratio Lower Upper

276 100

138 27.6 25.5 38.3

277 23.8 20.4 30.6

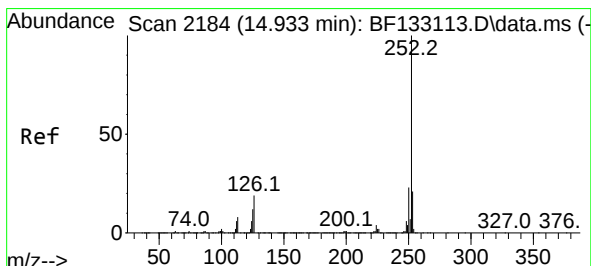
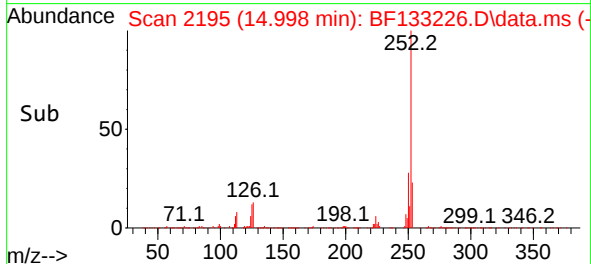
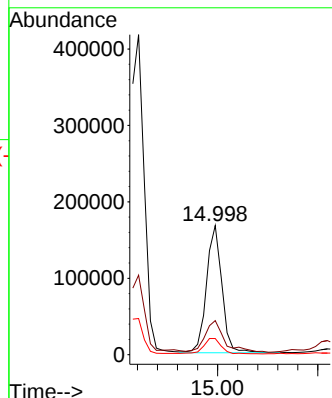
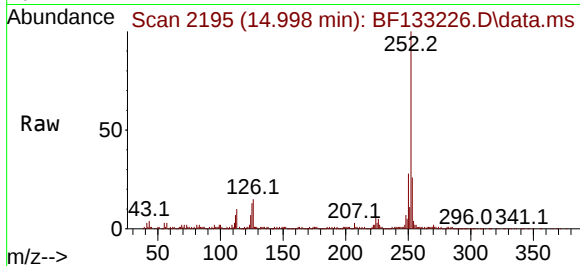




#88
Benzo(b)fluoranthene
Concen: 5.294 ng
RT: 14.998 min Scan# 2179
Delta R.T. 0.100 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

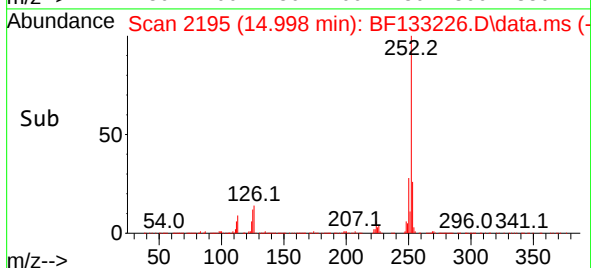
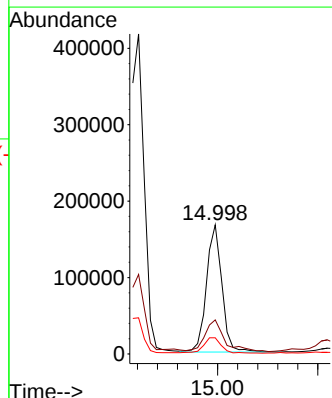
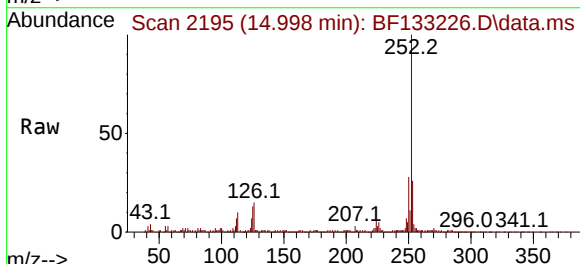
Instrument :
BNA_F
ClientSampleId :
HD-02-050223DL

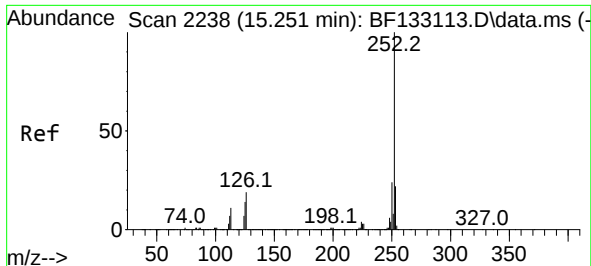
Tgt Ion:252 Resp: 178681
Ion Ratio Lower Upper
252 100
253 26.4 17.6 26.4
125 12.5 8.9 13.3



#89
Benzo(k)fluoranthene
Concen: 5.340 ng
RT: 14.998 min Scan# 2195
Delta R.T. 0.070 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

Tgt Ion:252 Resp: 178681
Ion Ratio Lower Upper
252 100
253 26.4 17.7 26.5
125 12.5 9.0 13.4

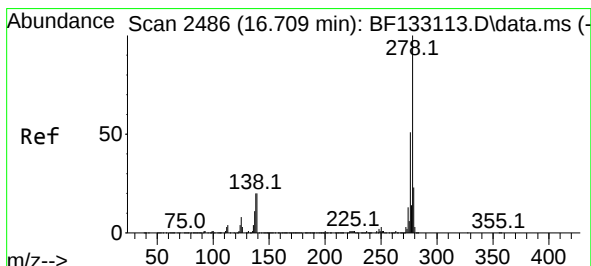
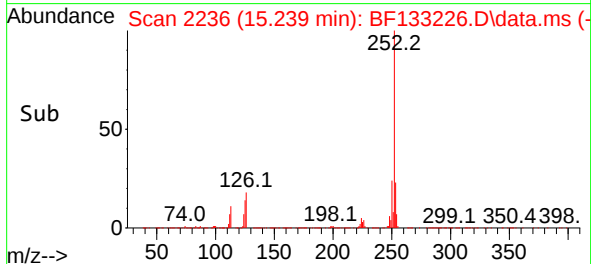
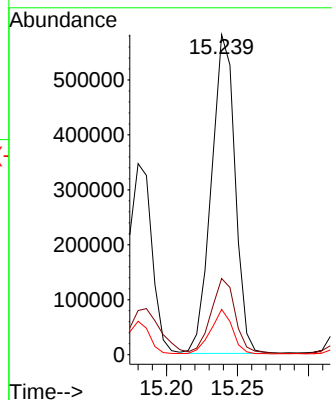
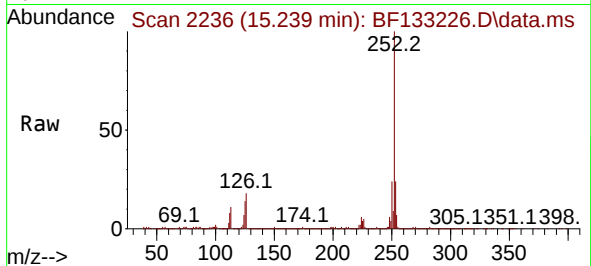




#90
Benzo(a)pyrene
Concen: 21.952 ng
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

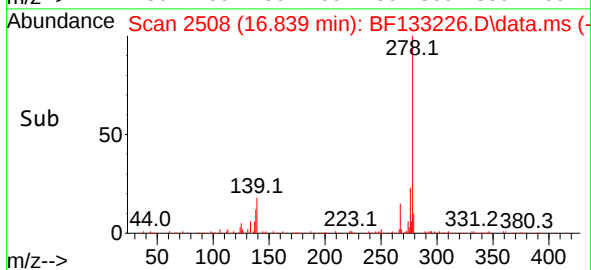
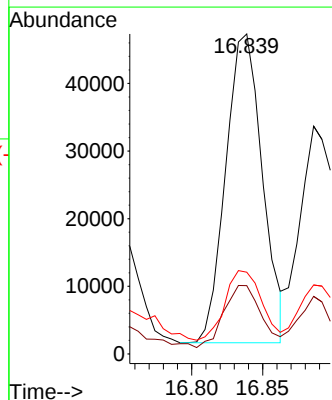
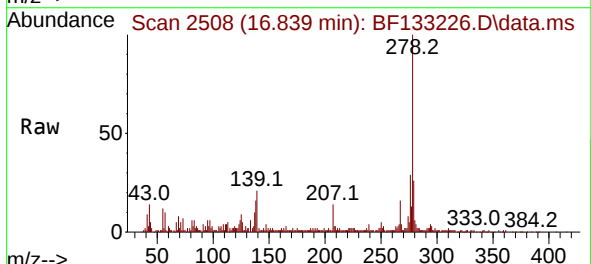
Instrument :
BNA_F
ClientSampleId :
HD-02-050223DL

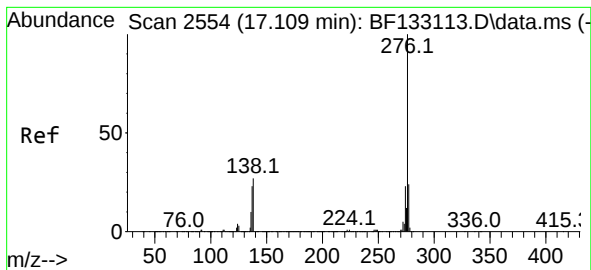
Tgt Ion:252 Resp: 674434
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 14.2 10.5 15.7



#91
Dibenzo(a,h)anthracene
Concen: 3.258 ng
RT: 16.839 min Scan# 2508
Delta R.T. 0.147 min
Lab File: BF133226.D
Acq: 04 May 2023 12:41

Tgt Ion:278 Resp: 82017
Ion Ratio Lower Upper
278 100
139 21.3 16.6 24.8
279 25.6 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 9.879 ng
 RT: 17.086 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF133226.D
 Acq: 04 May 2023 12:41

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-050223DL

Tgt Ion:276 Resp: 245497
 Ion Ratio Lower Upper
 276 100
 277 25.0 19.4 29.0
 138 26.5 22.7 34.1

