

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101722\
 Data File : BF130691.D
 Acq On : 17 Oct 2022 17:31
 Operator : CG\JU
 Sample : N5160-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-1-101422

Quant Time: Oct 18 03:22:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 18 03:15:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.575	152	74475	20.000	ng	0.00
21) Naphthalene-d8	7.857	136	260106	20.000	ng	0.00
39) Acenaphthene-d10	9.604	164	119228	20.000	ng	0.00
64) Phenanthrene-d10	11.098	188	183384	20.000	ng	0.01
76) Chrysene-d12	13.739	240	123370	20.000	ng	0.02
86) Perylene-d12	15.109	264	98397	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.181	112	381390	92.309	ng	0.01
7) Phenol-d6	6.228	99	465097	89.534	ng	0.00
23) Nitrobenzene-d5	7.145	82	264821	55.580	ng	0.00
42) 2,4,6-Tribromophenol	10.398	330	102865	88.172	ng	0.00
45) 2-Fluorobiphenyl	8.933	172	454147	57.698	ng	0.00
79) Terphenyl-d14	12.680	244	414665	55.786	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.239	94	12880	2.143	ng	90
20) 3+4-Methylphenols	7.016	107	11679	2.255	ng	# 80
22) Acetophenone	6.992	105	12585	2.017	ng	# 94
25) Isophorone	7.145	82	263348	33.209	ng	# 64
31) Naphthalene	7.886	128	1680700	124.827	ng	99
33) 4-Chloroaniline	7.886	127	226320	43.392	ng	# 33
35) Caprolactam	8.575	113	18270	16.572	ng	# 1
37) 2-Methylnaphthalene	8.575	142	749654	88.475	ng	99
38) 1-Methylnaphthalene	8.669	142	644455	78.349	ng	99
46) 1,1'-Biphenyl	9.033	154	170827	19.770	ng	99
47) 2-Chloronaphthalene	9.104	162	20679	2.928	ng	# 48
48) 2-Nitroaniline	9.198	65	6604	3.107	ng	# 17
49) Acenaphthylene	9.469	152	238979	22.585	ng	# 93
51) 2,6-Dinitrotoluene	9.304	165	4058	2.241	ng	# 11
52) Acenaphthene	9.645	154	582240	90.822	ng	99
54) 2,4-Dinitrophenol	9.663	184	66	5.040	ng	# 1
55) Dibenzofuran	9.816	168	681433	69.775	ng	97
56) 4-Nitrophenol	9.816	139	281108	256.905	ng	# 9
57) 2,4-Dinitrotoluene	9.810	165	6840	2.940	ng	# 1
58) Fluorene	10.163	166	1155305	143.890	ng	99
62) 4-Nitroaniline	10.163	138	13598	7.177	ng	# 20
66) n-Nitrosodiphenylamine	10.298	169	22061	3.617	ng	# 41
67) 4-Bromophenyl-phenylether	10.398	248	6065	2.923	ng	# 1
71) Phenanthrene	11.145	178	6860902	675.278	ng	95
72) Anthracene	11.186	178	1686420	169.954	ng	99
73) Carbazole	11.333	167	599915	67.754	ng	99
75) Fluoranthene	12.333	202	4659264	477.144	ng	94
78) Pyrene	12.563	202	4746941	446.007	ng	95
81) Benzo(a)anthracene	13.727	228	1700779	204.597	ng	96
83) Chrysene	13.768	228	1471512	186.701	ng	96
87) Indeno(1,2,3-cd)pyrene	16.409	276	472514	64.160	ng	# 94
88) Benzo(b)fluoranthene	14.739	252	1647312	264.387	ng	96
89) Benzo(k)fluoranthene	14.739	252	1647312	259.655	ng	95
90) Benzo(a)pyrene	15.062	252	1026861	198.018	ng	97
91) Dibenzo(a,h)anthracene	16.551	278	112610	18.654	ng	93
92) Benzo(g,h,i)perylene	16.798	276	476792	84.800	ng	97

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Misc :
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Instrument :
BNA_F
ClientSampleId :
HD-1-101422

Quant Time: Oct 18 03:22:27 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 18 03:15:54 2022
Response via : Initial Calibration

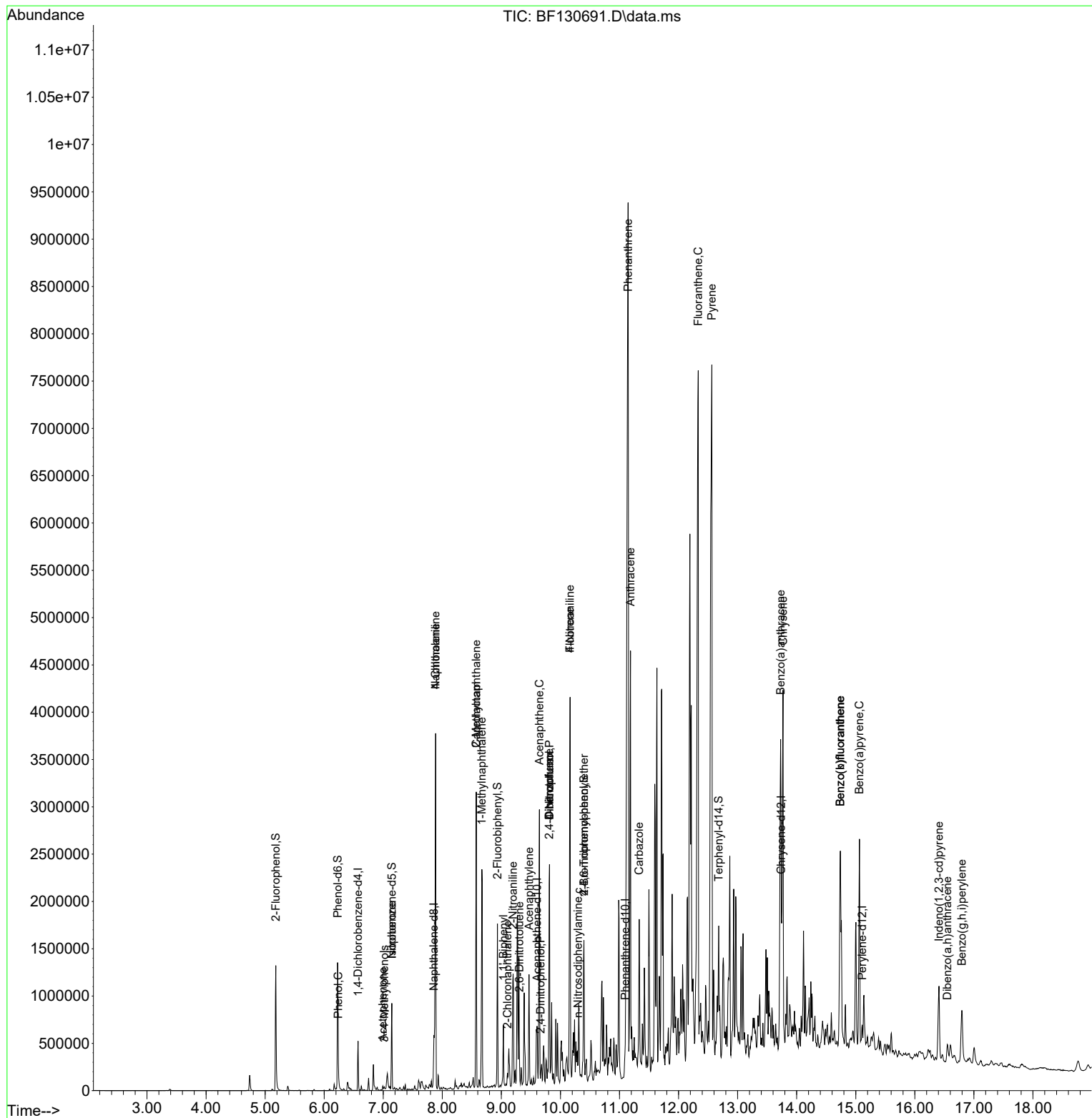
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

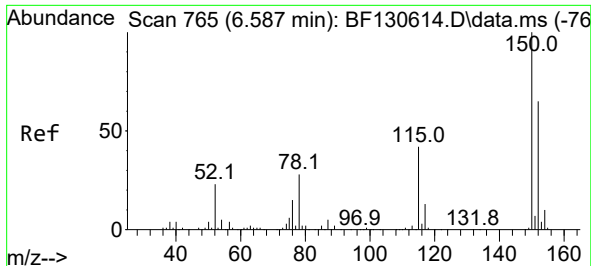
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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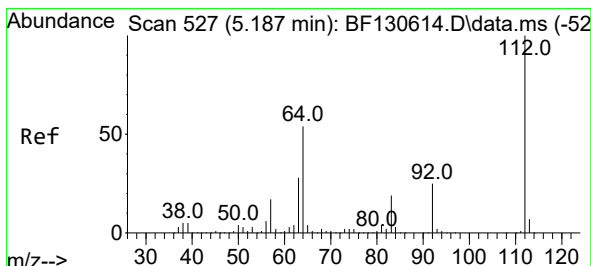
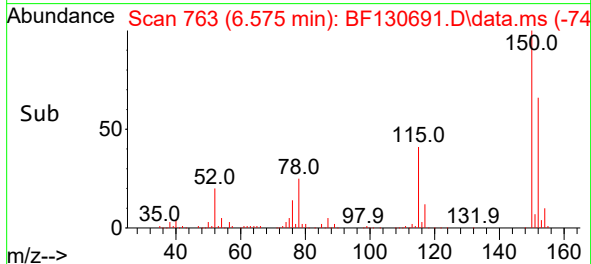
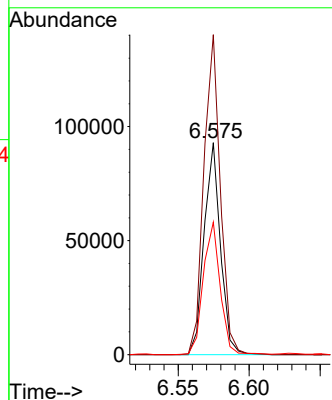
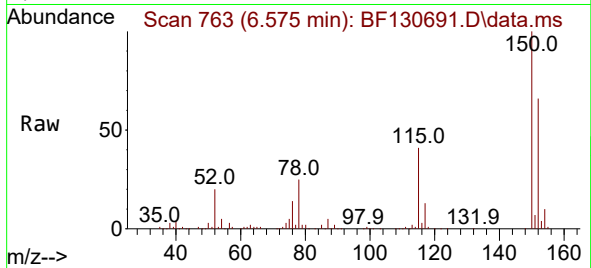




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.575 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

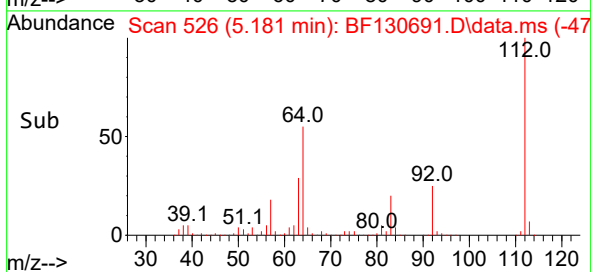
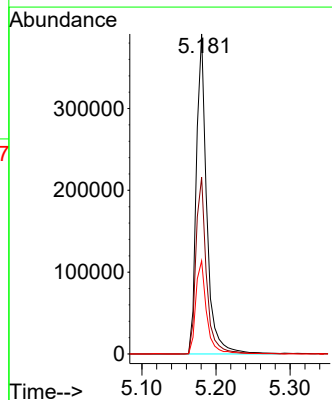
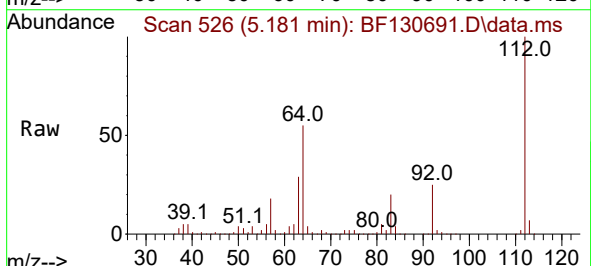
Instrument :
BNA_F
ClientSampleId :
HD-1-101422

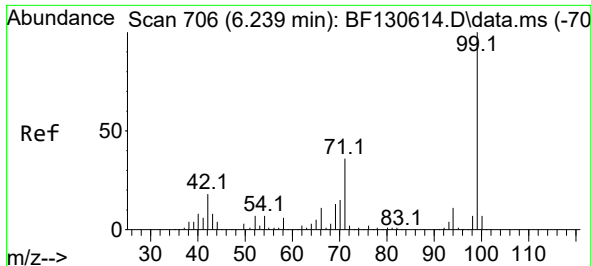
Tgt Ion:152 Resp: 74475
Ion Ratio Lower Upper
152 100
150 150.9 123.8 185.6
115 62.5 52.2 78.4



#5
2-Fluorophenol
Concen: 92.309 ng
RT: 5.181 min Scan# 526
Delta R.T. 0.012 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

Tgt Ion:112 Resp: 381390
Ion Ratio Lower Upper
112 100
64 55.2 43.5 65.3
63 29.1 22.6 34.0

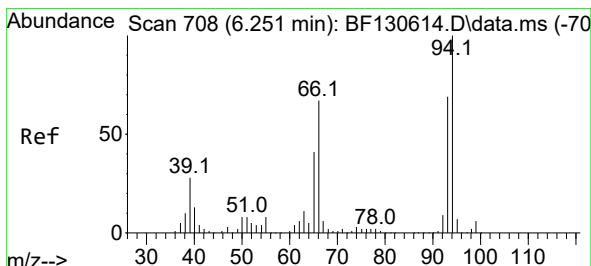
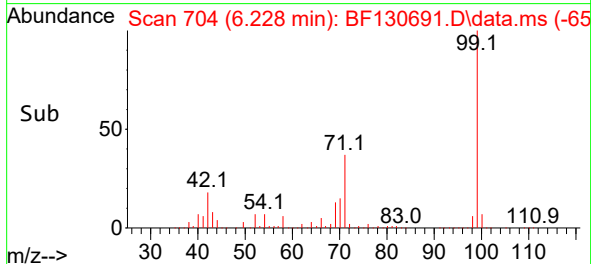
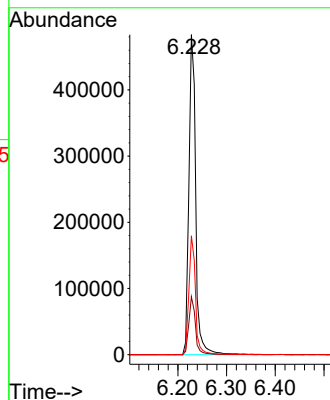
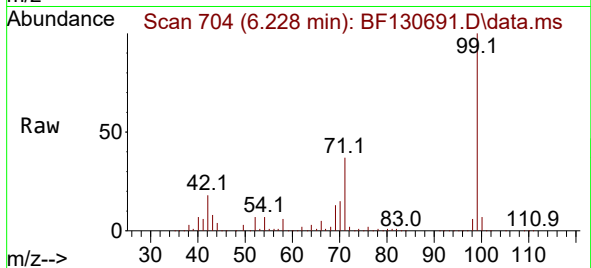




#7
Phenol-d6
Concen: 89.534 ng
RT: 6.228 min Scan# 704
Delta R.T. -0.000 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

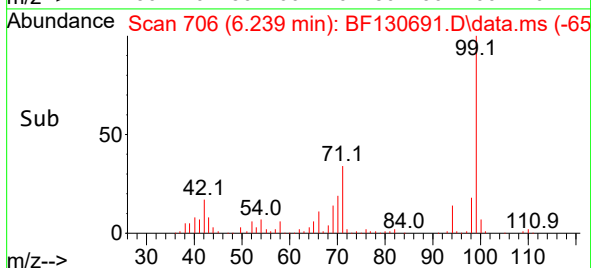
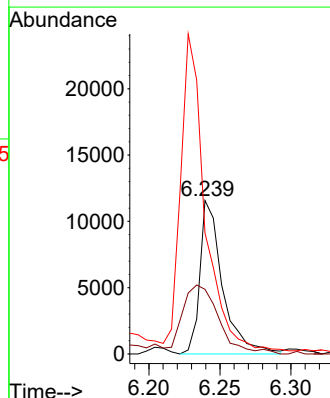
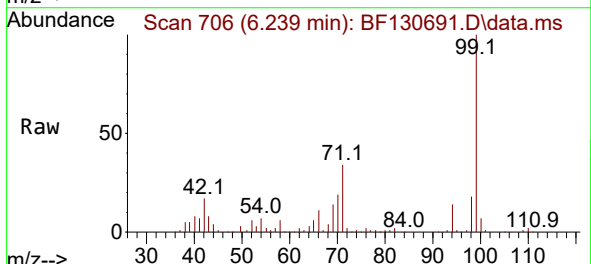
Instrument :
BNA_F
ClientSampleId :
HD-1-101422

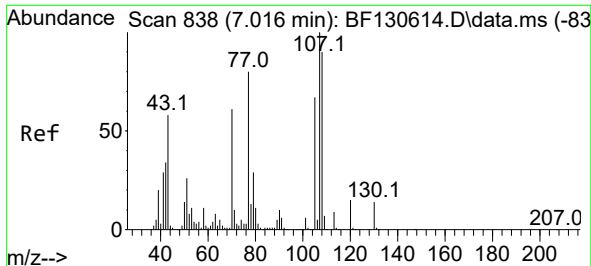
Tgt Ion: 99 Resp: 465097
Ion Ratio Lower Upper
99 100
42 18.1 14.0 21.0
71 37.2 28.8 43.2



#10
Phenol
Concen: 2.143 ng
RT: 6.239 min Scan# 706
Delta R.T. -0.006 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

Tgt Ion: 94 Resp: 12880
Ion Ratio Lower Upper
94 100
65 42.2 21.2 61.2
66 78.8 46.9 86.9





#20

3+4-Methylphenols

Concen: 2.255 ng

RT: 7.016 min Scan# 81

Delta R.T. 0.012 min

Lab File: BF130691.D

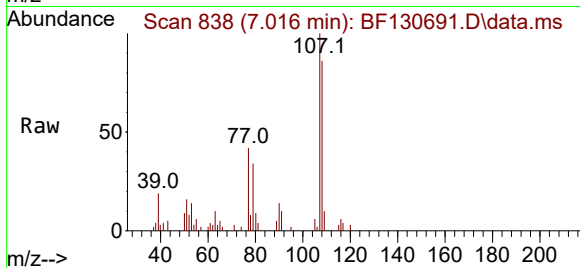
Acq: 17 Oct 2022 17:31

Instrument :

BNA_F

ClientSampleId :

HD-1-101422



Tgt Ion:107 Resp: 11679

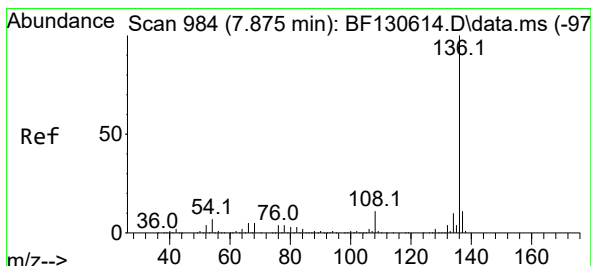
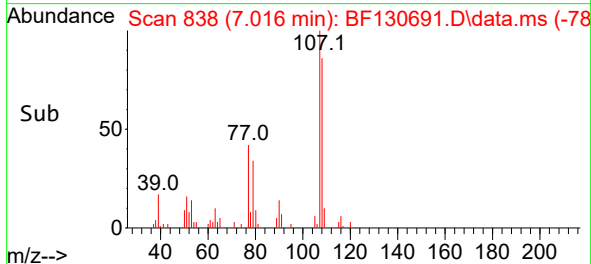
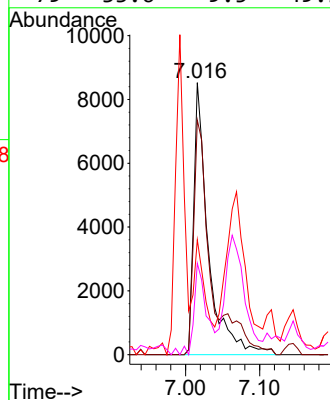
Ion Ratio Lower Upper

107 100

108 86.2 69.7 109.7

77 42.2 59.7 99.7#

79 33.6 9.5 49.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.857 min Scan# 981

Delta R.T. -0.000 min

Lab File: BF130691.D

Acq: 17 Oct 2022 17:31

Tgt Ion:136 Resp: 260106

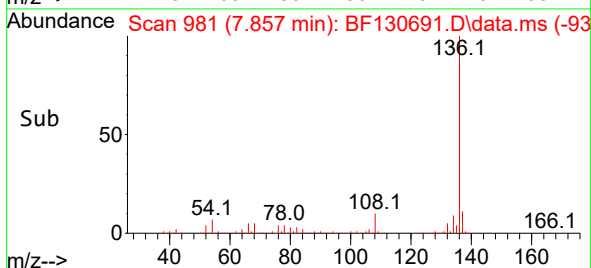
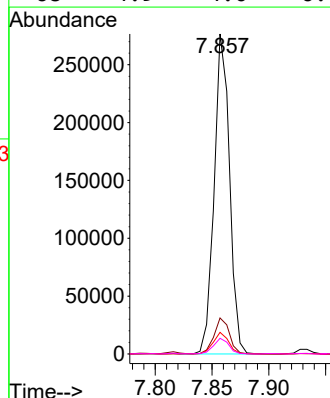
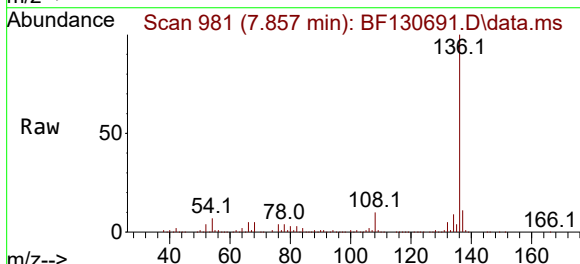
Ion Ratio Lower Upper

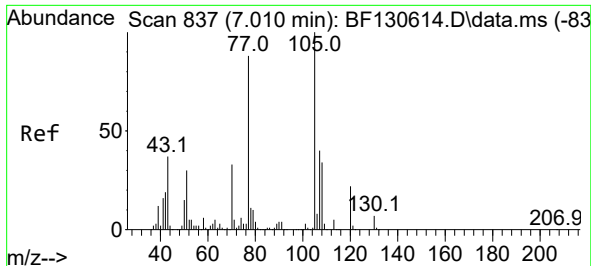
136 100

137 11.2 8.4 12.6

54 6.8 5.5 8.3

68 4.9 4.0 6.0

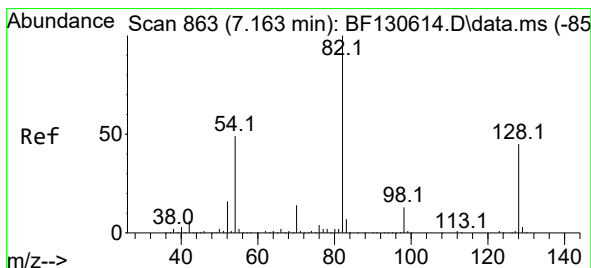
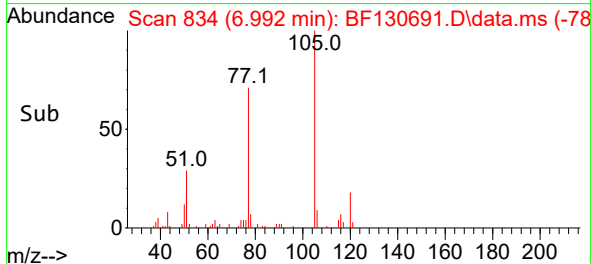
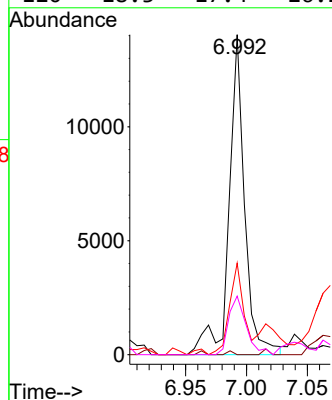
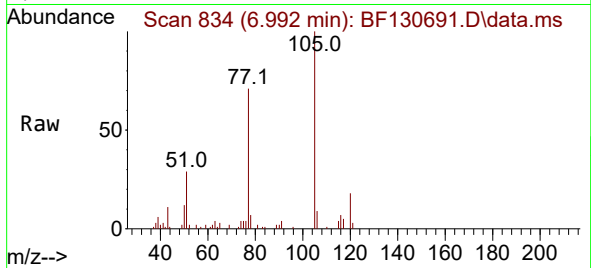




#22
Acetophenone
Concen: 2.017 ng
RT: 6.992 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

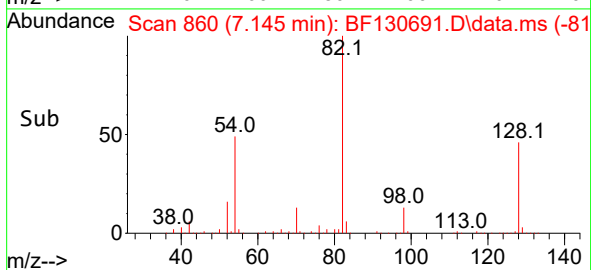
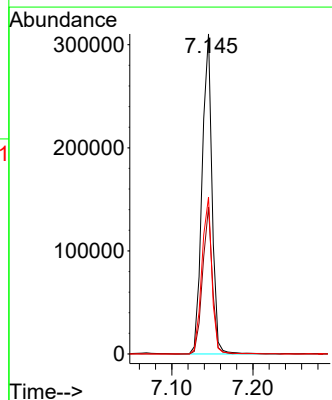
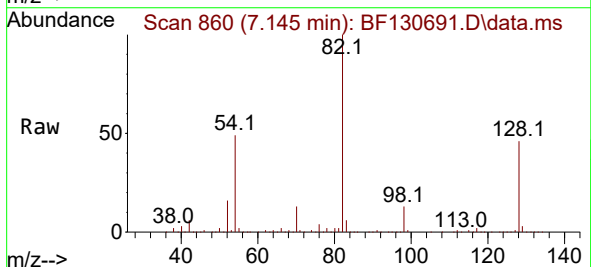
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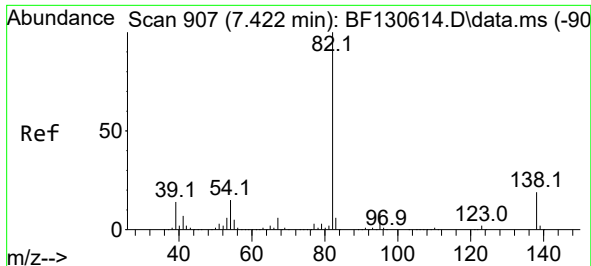
Tgt Ion:105 Resp: 12585
Ion Ratio Lower Upper
105 100
71 0.0 4.2 6.4#
51 28.6 24.3 36.5
120 18.3 17.4 26.2



#23
Nitrobenzene-d5
Concen: 55.580 ng
RT: 7.145 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

Tgt Ion: 82 Resp: 264821
Ion Ratio Lower Upper
82 100
128 45.9 35.8 53.6
54 49.0 39.3 58.9

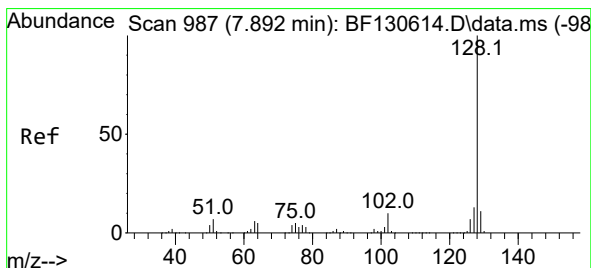
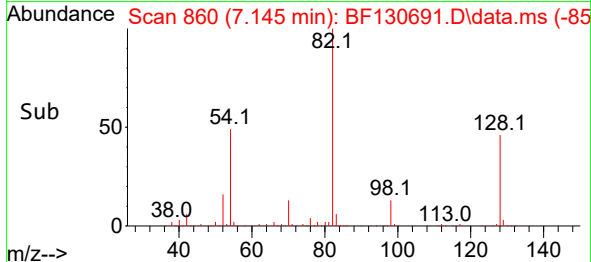
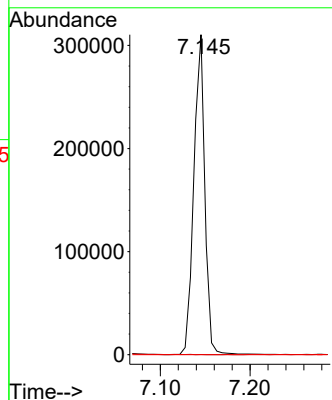
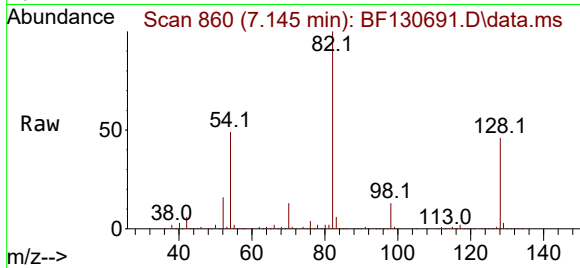




#25
Isophorone
Concen: 33.209 ng
RT: 7.145 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

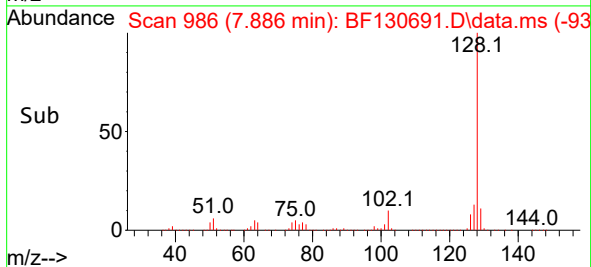
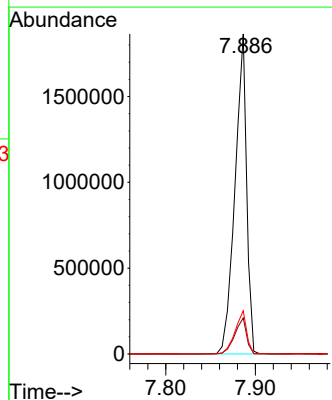
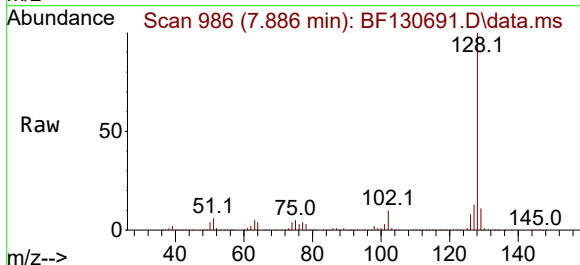
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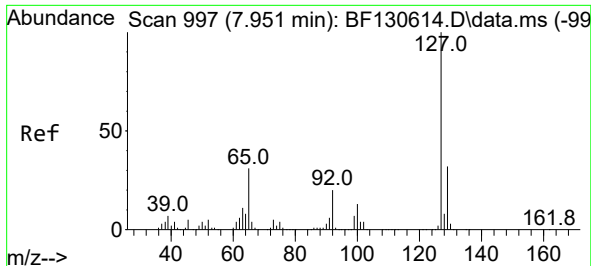
Tgt Ion: 82 Resp: 263348
Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 124.827 ng
RT: 7.886 min Scan# 986
Delta R.T. 0.006 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

Tgt Ion:128 Resp: 1680700
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.5 10.3 15.5

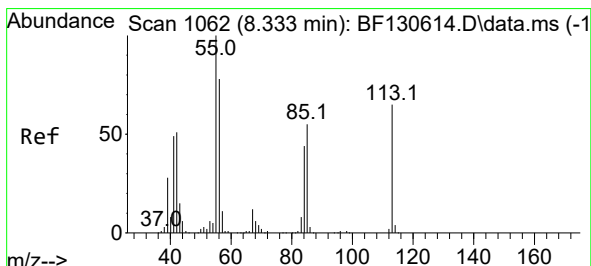
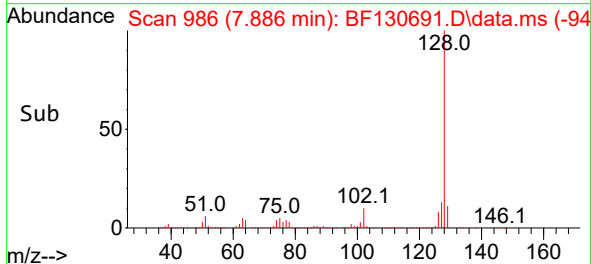
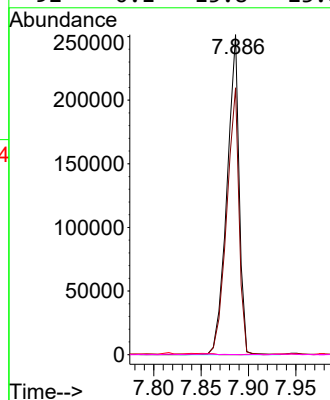
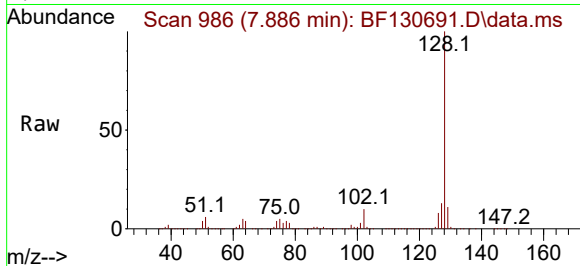




#33
4-Chloroaniline
Concen: 43.392 ng
RT: 7.886 min Scan# 91
Delta R.T. -0.053 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

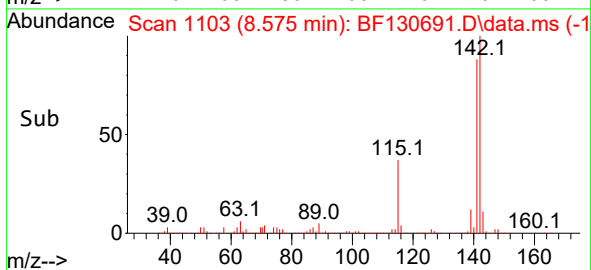
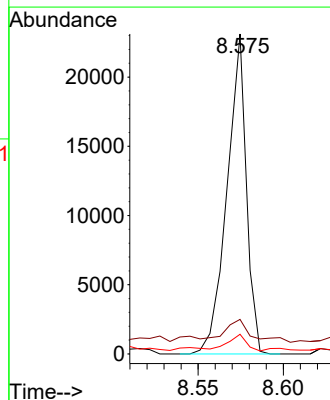
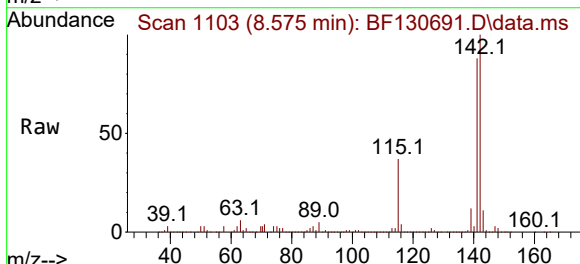
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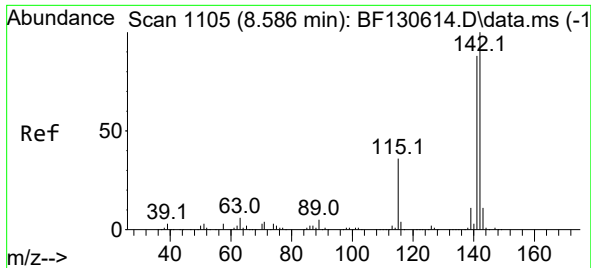
Tgt Ion:127	Resp: 226320
Ion Ratio	Lower Upper
127 100	
129 83.4	25.7 38.5#
65 0.0	24.7 37.1#
92 0.1	15.8 23.8#



#35
Caprolactam
Concen: 16.572 ng
RT: 8.575 min Scan# 1103
Delta R.T. 0.247 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

Tgt Ion:113	Resp: 18270
Ion Ratio	Lower Upper
113 100	
55 10.8	134.3 174.3#
56 6.2	101.0 141.0#

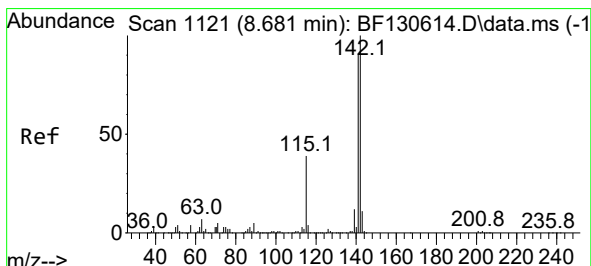
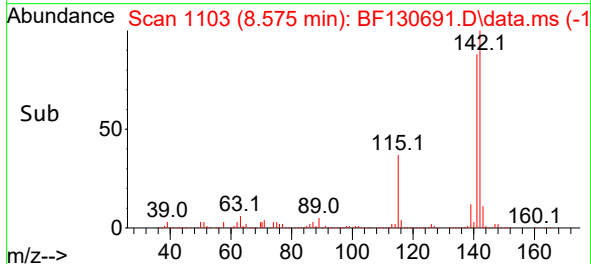
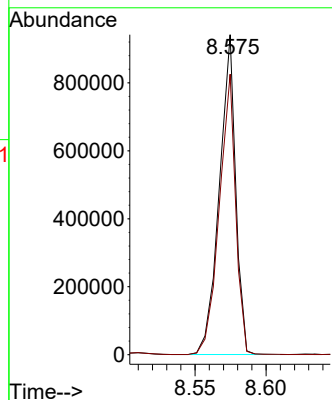
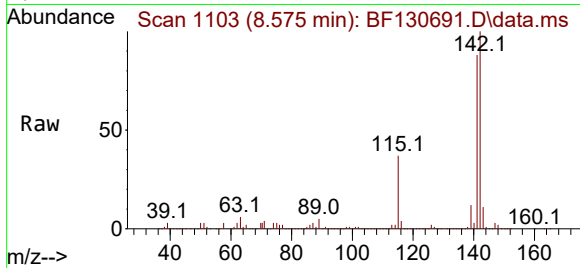




#37
2-Methylnaphthalene
Concen: 88.475 ng
RT: 8.575 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

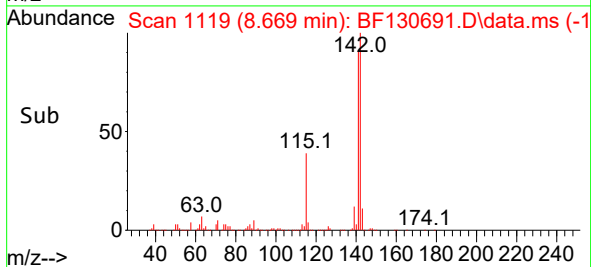
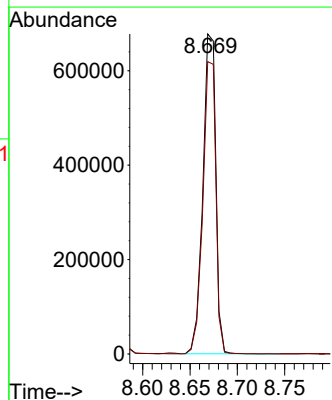
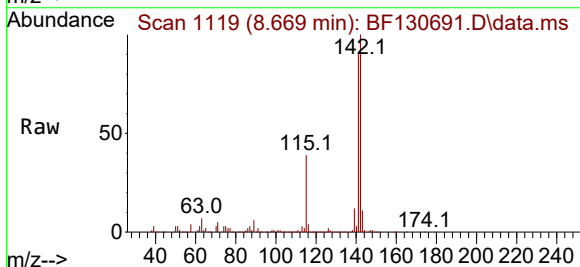
Instrument :
BNA_F
ClientSampleId :
HD-1-101422

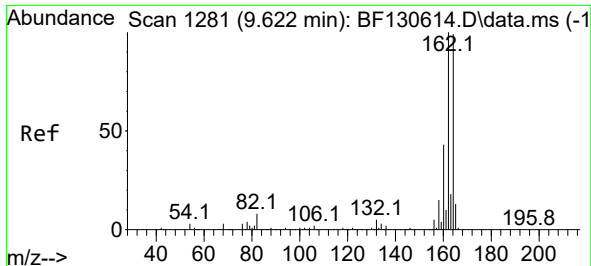
Tgt Ion:142 Resp: 749654
Ion Ratio Lower Upper
142 100
141 87.7 70.7 106.1



#38
1-Methylnaphthalene
Concen: 78.349 ng
RT: 8.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

Tgt Ion:142 Resp: 644455
Ion Ratio Lower Upper
142 100
141 91.4 72.6 108.8

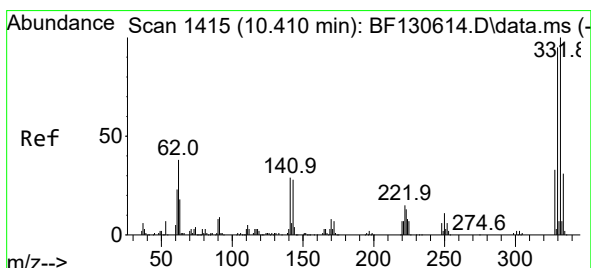
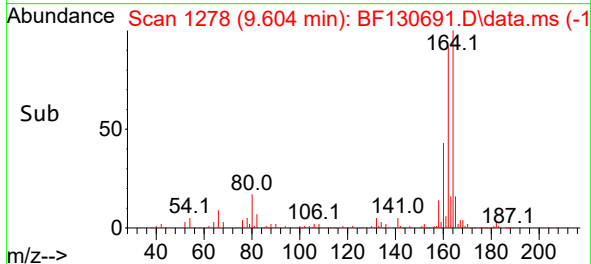
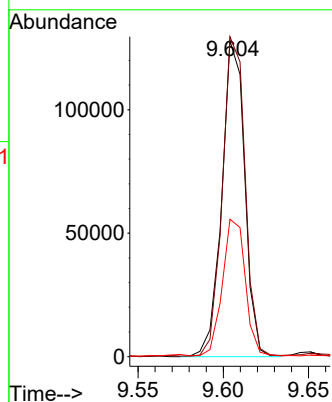
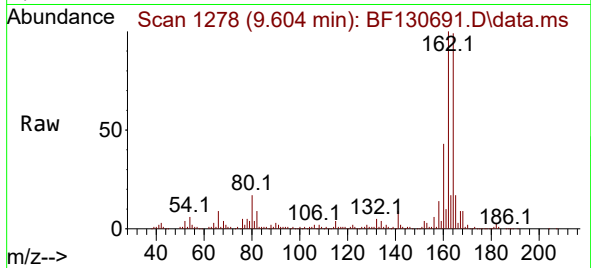




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

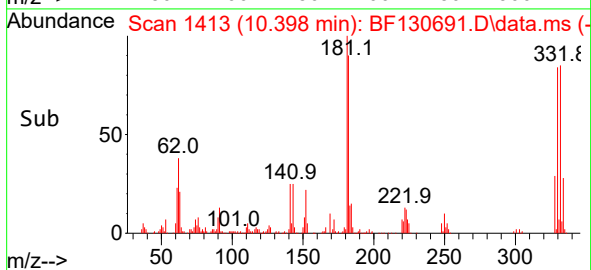
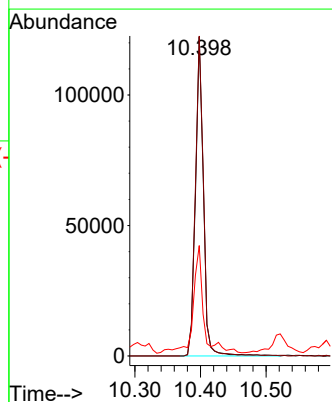
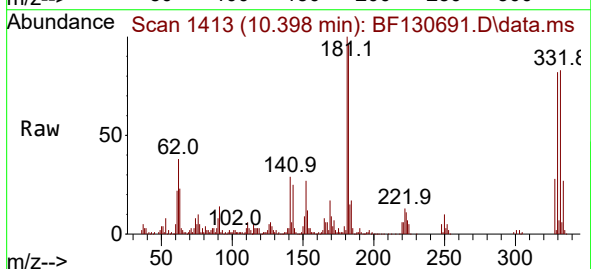
Instrument :
BNA_F
ClientSampleId :
HD-1-101422

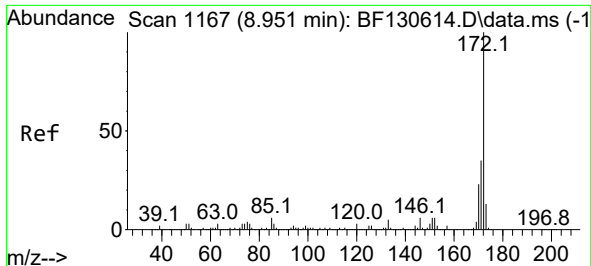
Tgt Ion:164 Resp: 119228
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.4
160 43.5 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 88.172 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

Tgt Ion:330 Resp: 102865
Ion Ratio Lower Upper
330 100
332 101.7 84.2 126.4
141 39.0 26.8 40.2





#45

2-Fluorobiphenyl

Concen: 57.698 ng

RT: 8.933 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF130691.D

Acq: 17 Oct 2022 17:31

Instrument :

BNA_F

ClientSampleId :

HD-1-101422

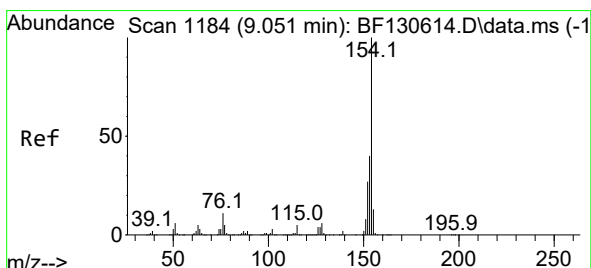
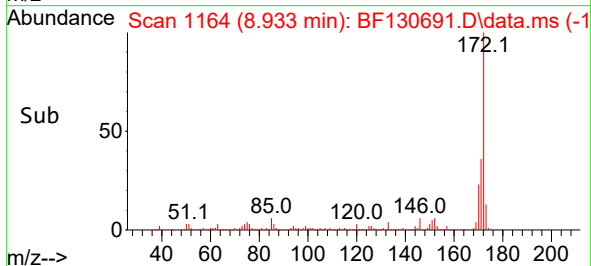
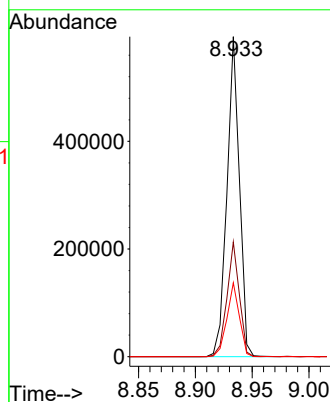
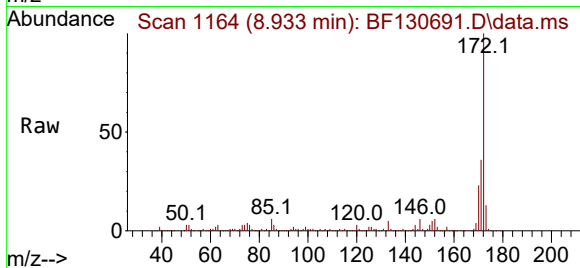
Tgt Ion:172 Resp: 454147

Ion Ratio Lower Upper

172 100

171 35.9 27.8 41.8

170 23.1 18.6 27.8



#46

1,1'-Biphenyl

Concen: 19.770 ng

RT: 9.033 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF130691.D

Acq: 17 Oct 2022 17:31

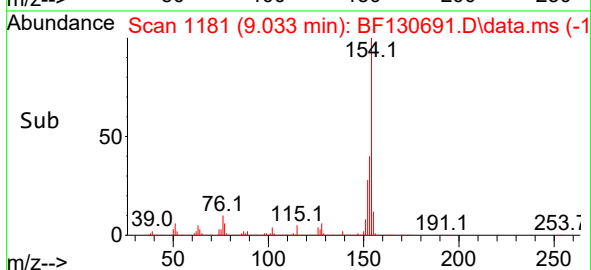
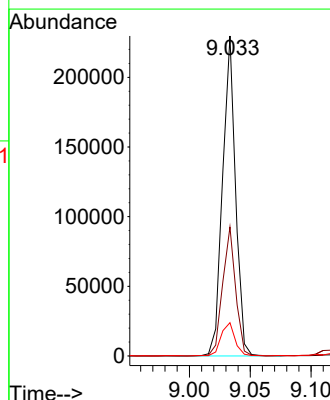
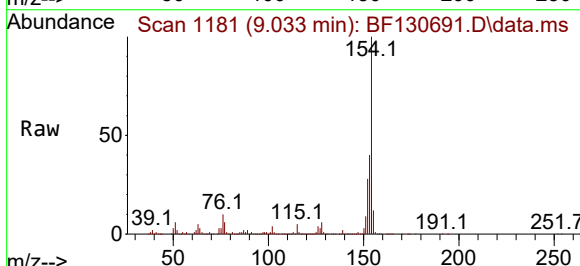
Tgt Ion:154 Resp: 170827

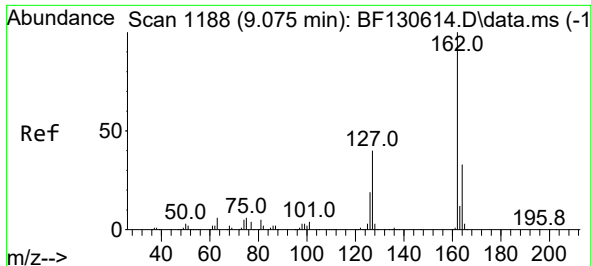
Ion Ratio Lower Upper

154 100

153 40.3 20.0 60.0

76 10.4 0.0 30.8





#47

2-Chloronaphthalene

Concen: 2.928 ng

RT: 9.104 min Scan# 1188

Delta R.T. 0.047 min

Lab File: BF130691.D

Acq: 17 Oct 2022 17:31

Instrument :

BNA_F

ClientSampleId :

HD-1-101422

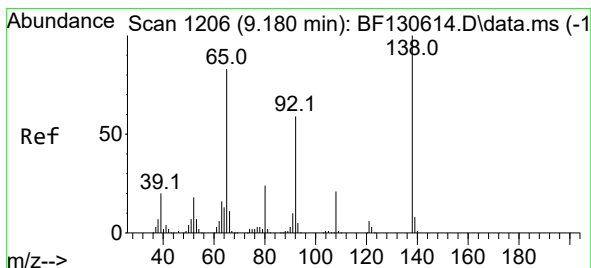
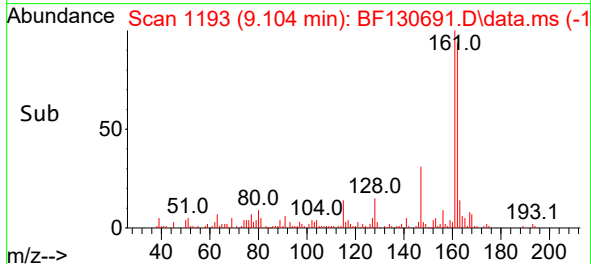
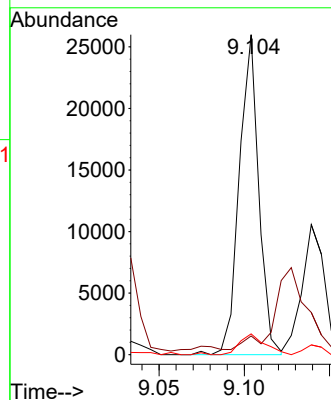
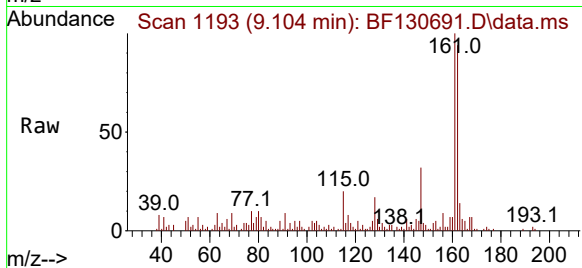
Tgt Ion:162 Resp: 20679

Ion Ratio Lower Upper

162 100

127 5.8 32.6 49.0#

164 6.5 26.3 39.5#



#48

2-Nitroaniline

Concen: 3.107 ng

RT: 9.198 min Scan# 1209

Delta R.T. 0.029 min

Lab File: BF130691.D

Acq: 17 Oct 2022 17:31

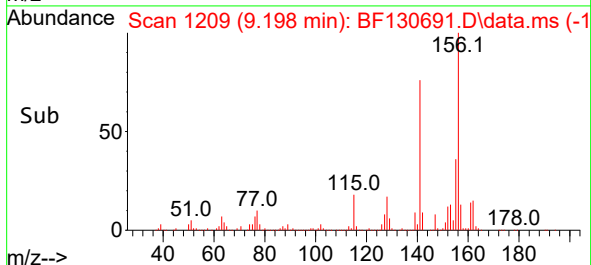
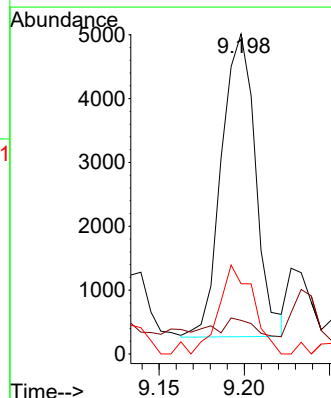
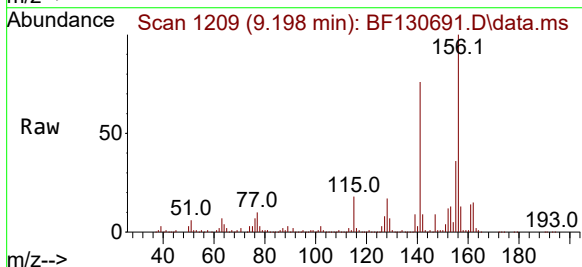
Tgt Ion: 65 Resp: 6604

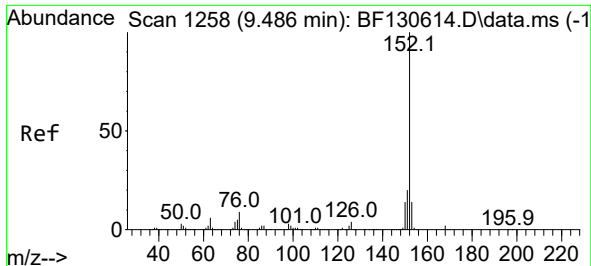
Ion Ratio Lower Upper

65 100

92 10.5 57.4 86.0#

138 21.9 96.7 145.1#





#49

Acenaphthylene

Concen: 22.585 ng

RT: 9.469 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130691.D

Acq: 17 Oct 2022 17:31

Instrument :

BNA_F

ClientSampleId :

HD-1-101422

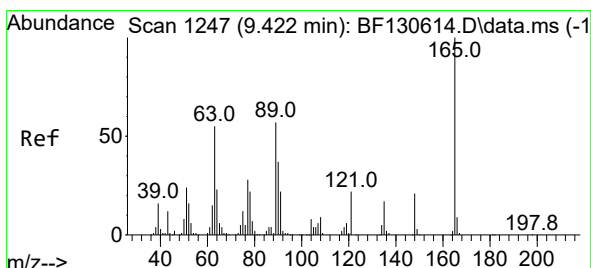
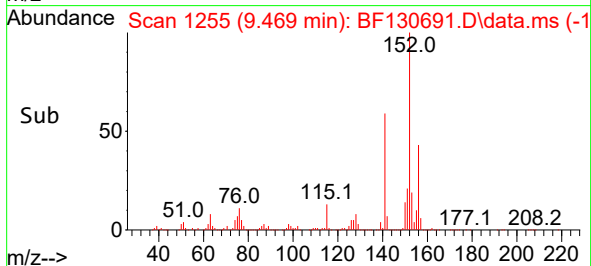
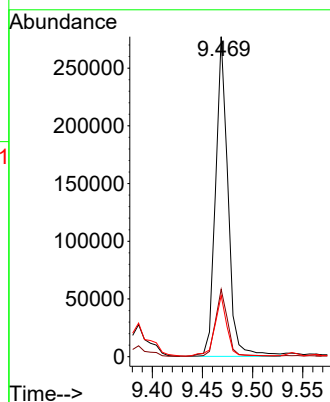
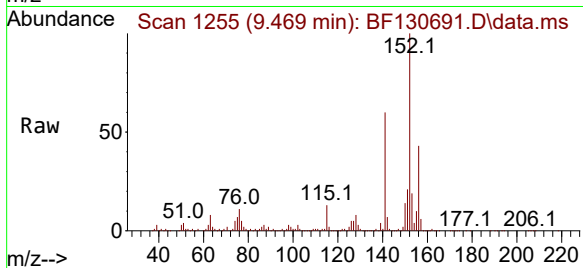
Tgt Ion:152 Resp: 238979

Ion Ratio Lower Upper

152 100

151 21.0 16.2 24.2

153 19.1 10.8 16.2#



#51

2,6-Dinitrotoluene

Concen: 2.241 ng

RT: 9.304 min Scan# 1227

Delta R.T. -0.106 min

Lab File: BF130691.D

Acq: 17 Oct 2022 17:31

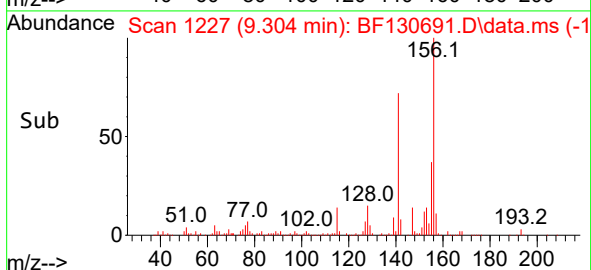
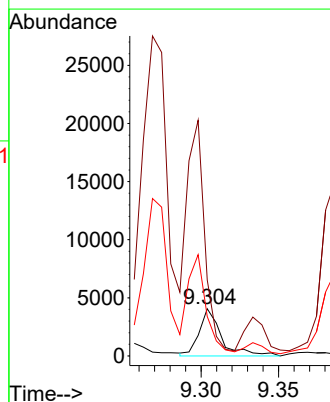
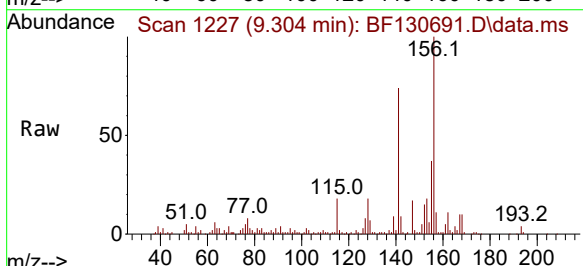
Tgt Ion:165 Resp: 4058

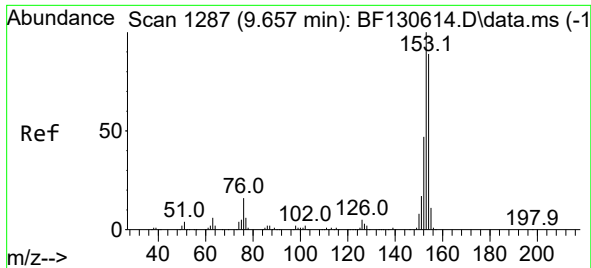
Ion Ratio Lower Upper

165 100

63 161.1 45.3 67.9#

89 83.7 45.6 68.4#

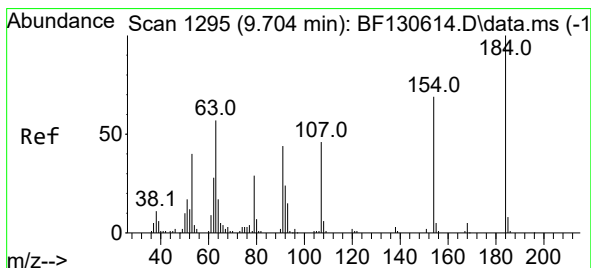
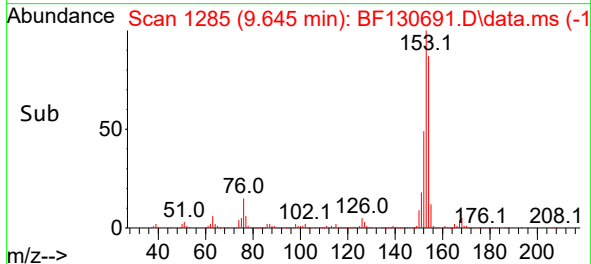
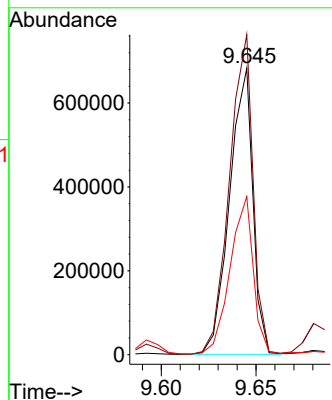
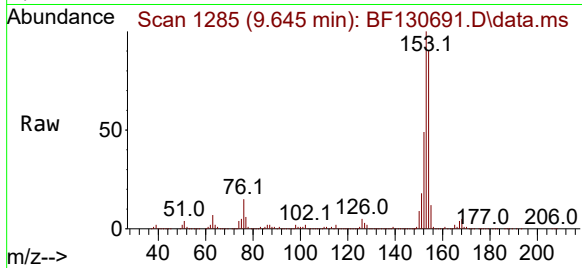




#52
Acenaphthene
Concen: 90.822 ng
RT: 9.645 min Scan# 1285
Delta R.T. 0.006 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

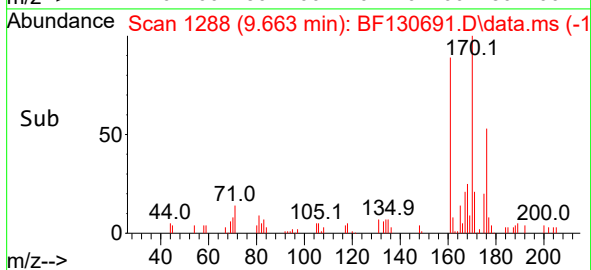
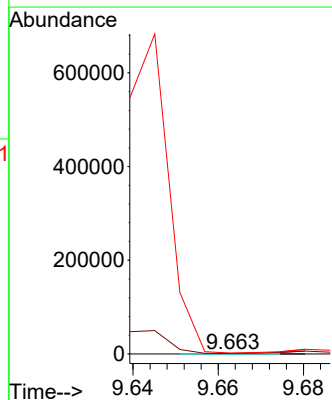
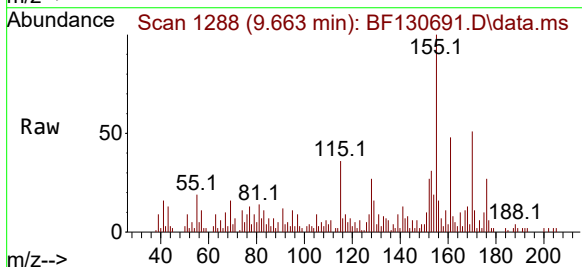
Instrument :
BNA_F
ClientSampleId :
HD-1-101422

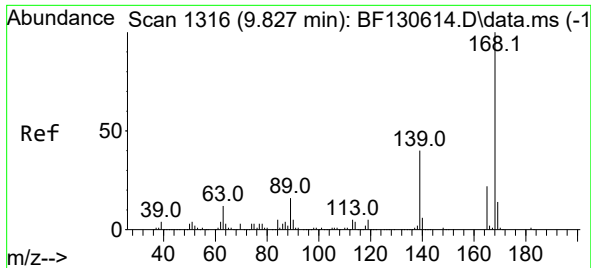
Tgt Ion:154 Resp: 582240
Ion Ratio Lower Upper
154 100
153 111.7 89.6 134.4
152 55.2 42.4 63.6



#54
2,4-Dinitrophenol
Concen: 5.040 ng
RT: 9.663 min Scan# 1288
Delta R.T. -0.035 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

Tgt Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 571.7 45.5 68.3#
154 1169.0 55.1 82.7#





#55

Dibenzenofuran

Concen: 69.775 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.000 min

Lab File: BF130691.D

Acq: 17 Oct 2022 17:31

Instrument :

BNA_F

ClientSampleId :

HD-1-101422

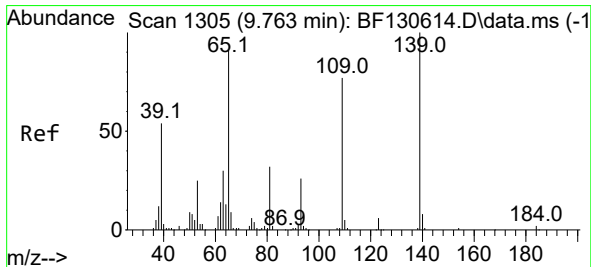
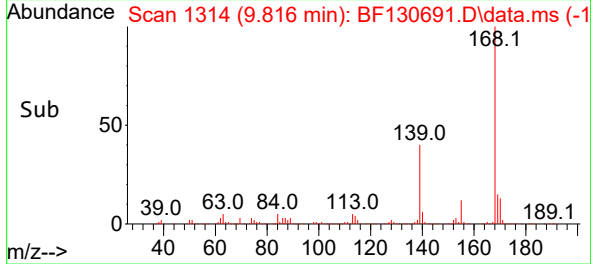
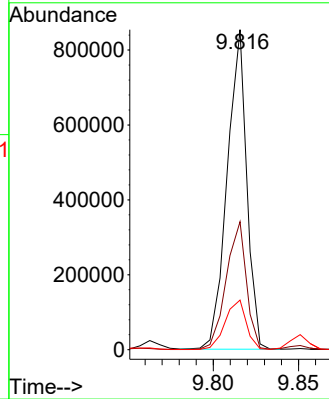
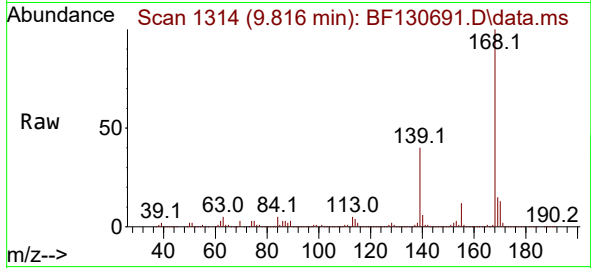
Tgt Ion:168 Resp: 681433

Ion Ratio Lower Upper

168 100

139 40.0 33.0 49.4

169 15.5 10.9 16.3



#56

4-Nitrophenol

Concen: 256.905 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.059 min

Lab File: BF130691.D

Acq: 17 Oct 2022 17:31

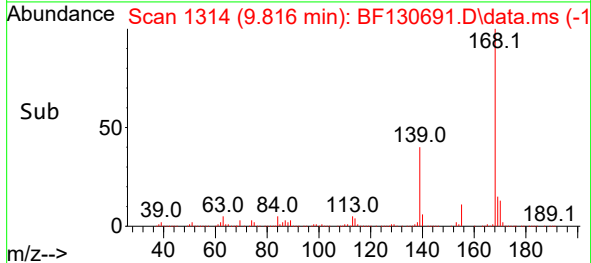
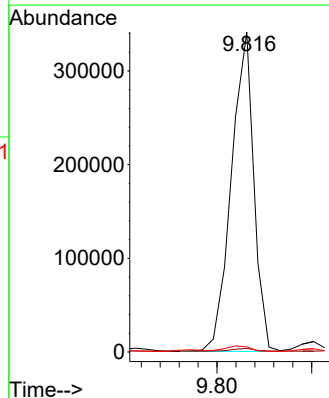
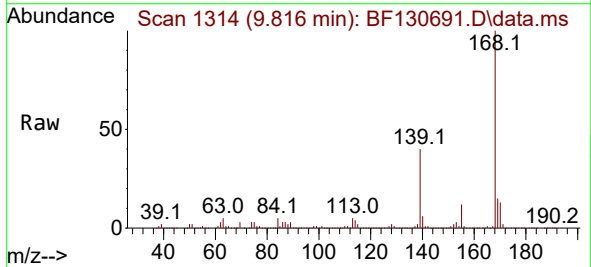
Tgt Ion:139 Resp: 281108

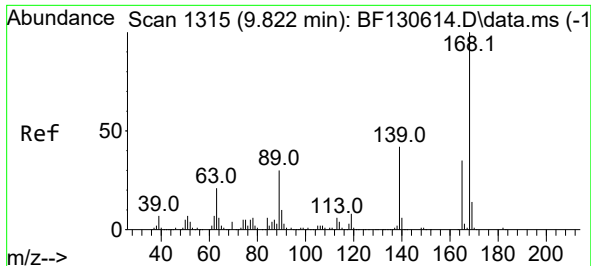
Ion Ratio Lower Upper

139 100

109 1.1 57.4 97.4#

65 1.6 71.3 111.3#

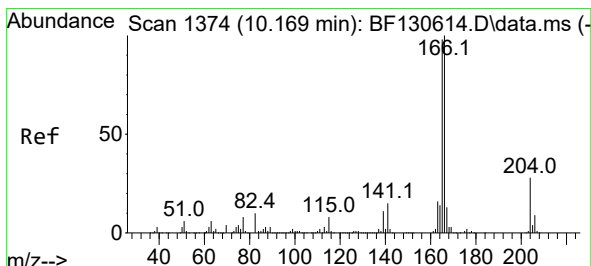
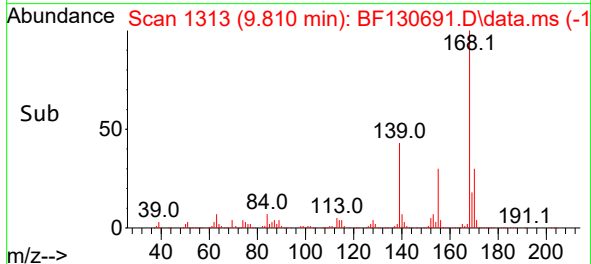
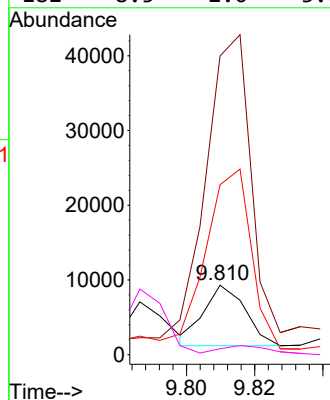
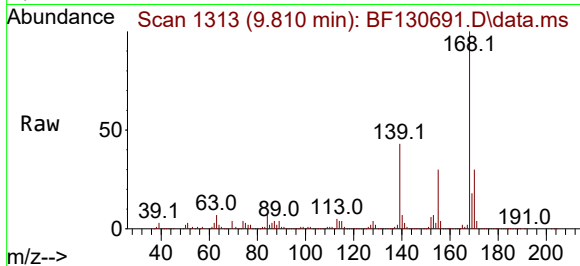




#57
2,4-Dinitrotoluene
Concen: 2.940 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

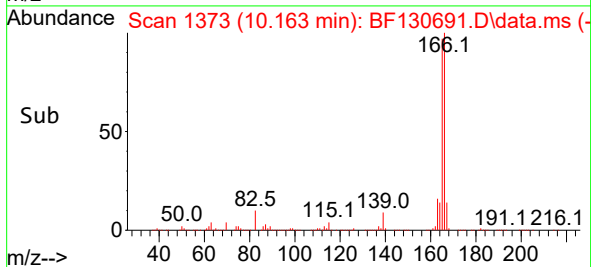
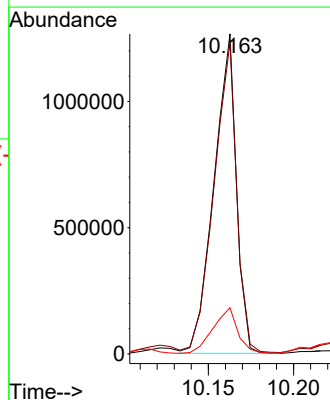
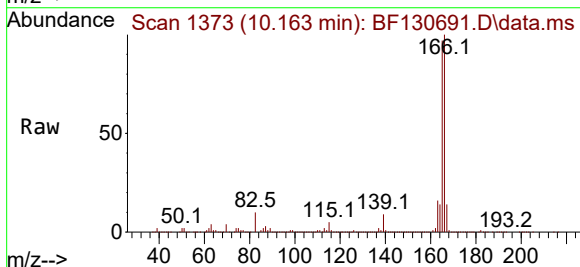
Instrument :
BNA_F
ClientSampleId :
HD-1-101422

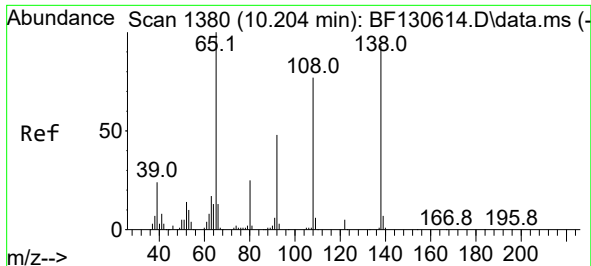
Tgt Ion:165 Resp: 6840
Ion Ratio Lower Upper
165 100
63 429.9 50.6 76.0#
89 244.5 68.6 102.8#
182 8.5 2.0 3.0#



#58
Fluorene
Concen: 143.890 ng
RT: 10.163 min Scan# 1373
Delta R.T. 0.006 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

Tgt Ion:166 Resp: 1155305
Ion Ratio Lower Upper
166 100
165 97.4 78.2 117.4
167 14.5 10.8 16.2

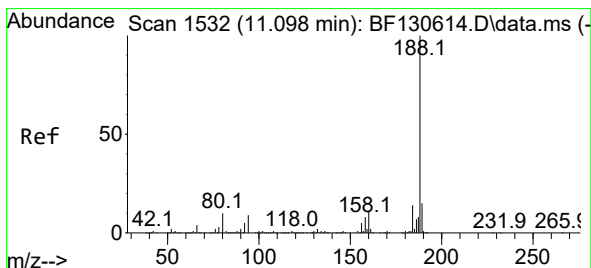
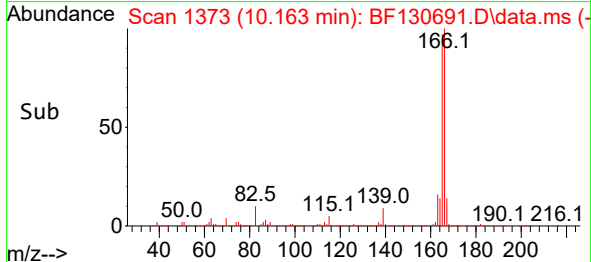
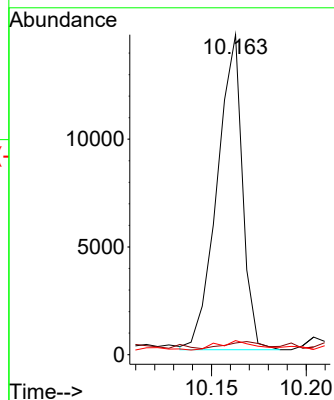
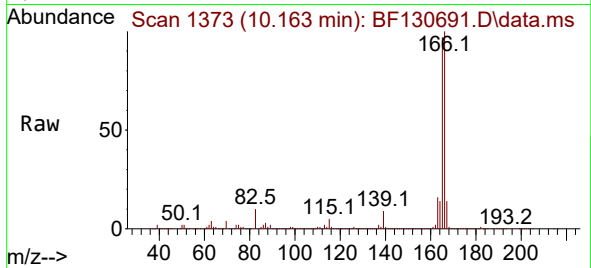




#62
4-Nitroaniline
Concen: 7.177 ng
RT: 10.163 min Scan# 1373
Delta R.T. -0.030 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

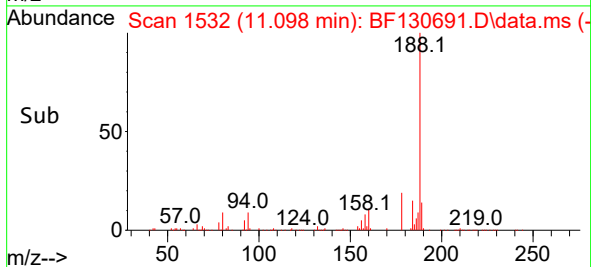
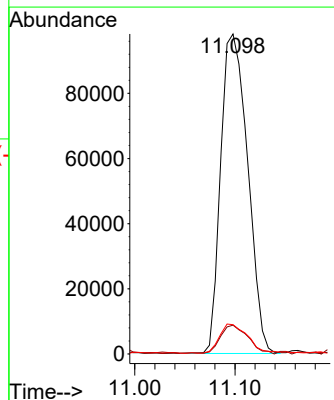
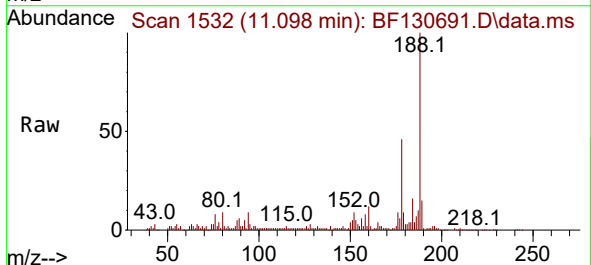
Instrument :
BNA_F
ClientSampleId :
HD-1-101422

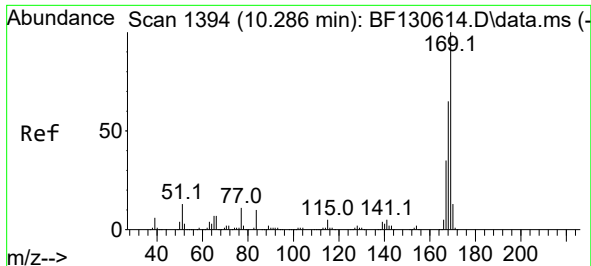
Tgt Ion:138 Resp: 13598
Ion Ratio Lower Upper
138 100
92 3.6 31.1 71.1#
108 4.4 62.1 102.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.098 min Scan# 1532
Delta R.T. 0.012 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

Tgt Ion:188 Resp: 183384
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 9.2 8.0 12.0

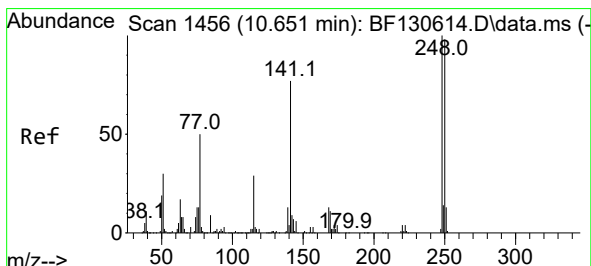
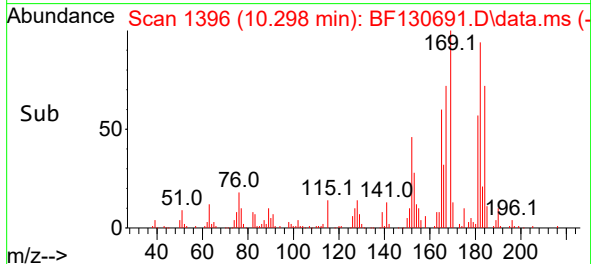
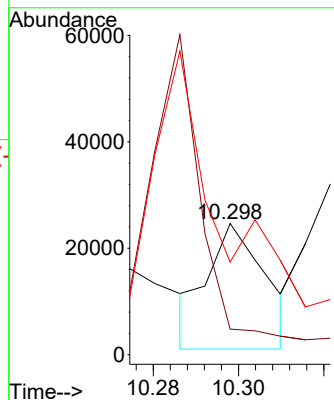
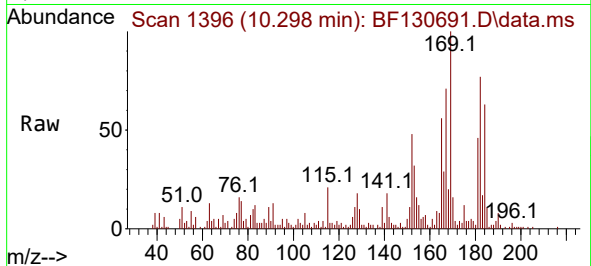




#66
n-Nitrosodiphenylamine
Concen: 3.617 ng
RT: 10.298 min Scan# 11
Delta R.T. 0.023 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

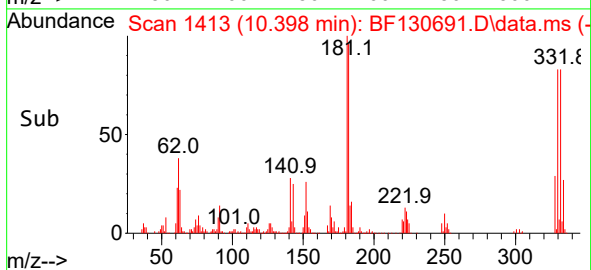
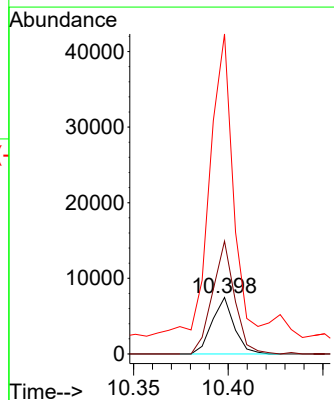
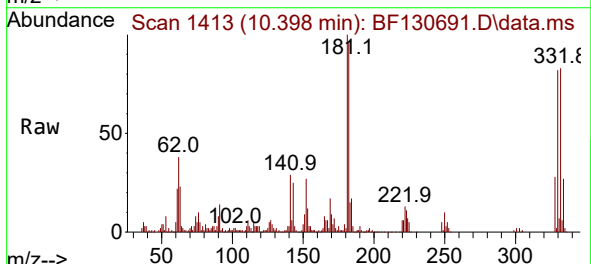
Instrument :
BNA_F
ClientSampleId :
HD-1-101422

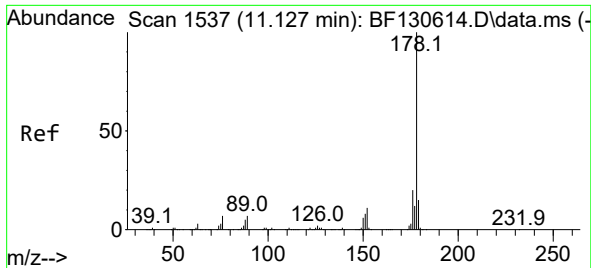
Tgt Ion:169	Resp:	22061
Ion Ratio	Lower	Upper
169	100	
168	19.6	52.2 78.4#
167	70.6	28.3 42.5#



#67
4-Bromophenyl-phenylether
Concen: 2.923 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.241 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

Tgt Ion:248	Resp:	6065
Ion Ratio	Lower	Upper
248	100	
250	199.7	78.7 118.1#
141	566.8	61.6 92.4#

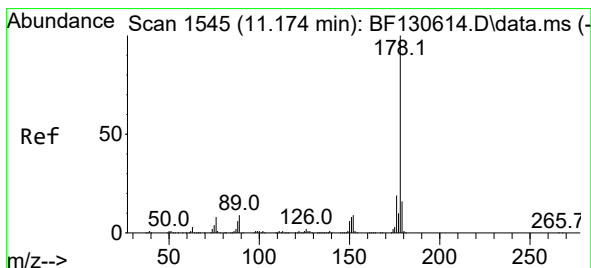
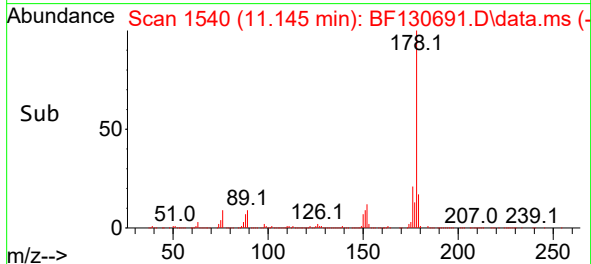
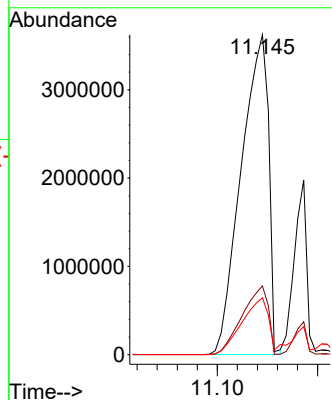
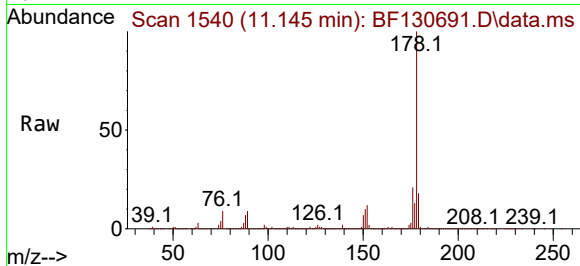




#71
Phenanthrene
Concen: 675.278 ng
RT: 11.145 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

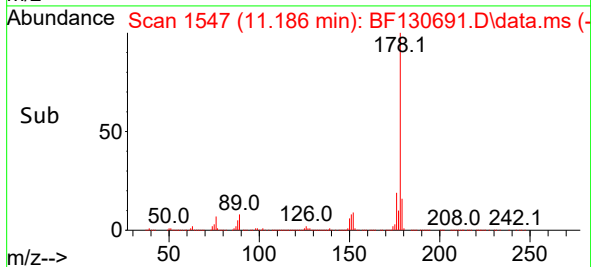
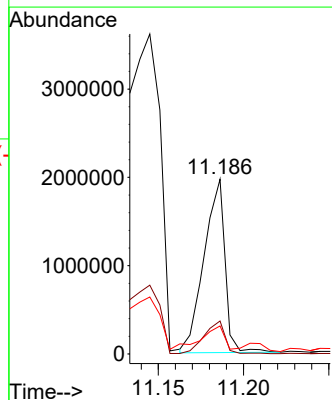
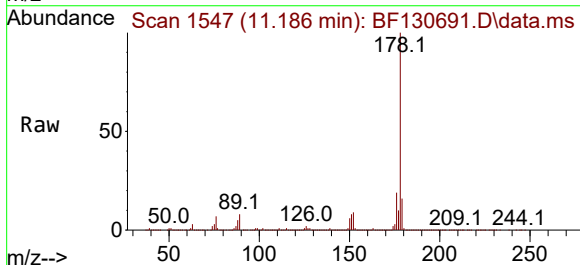
Instrument :
BNA_F
ClientSampleId :
HD-1-101422

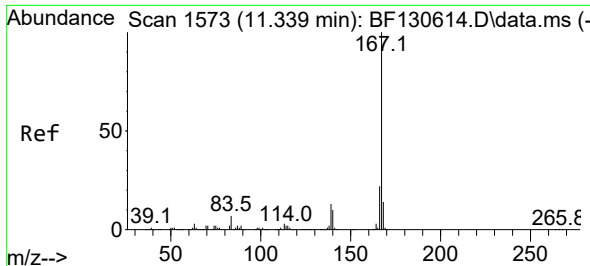
Tgt Ion:178 Resp: 6860902
Ion Ratio Lower Upper
178 100
176 21.5 15.7 23.5
179 17.8 12.2 18.4



#72
Anthracene
Concen: 169.954 ng
RT: 11.186 min Scan# 1547
Delta R.T. 0.023 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

Tgt Ion:178 Resp: 1686420
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 16.0 12.5 18.7

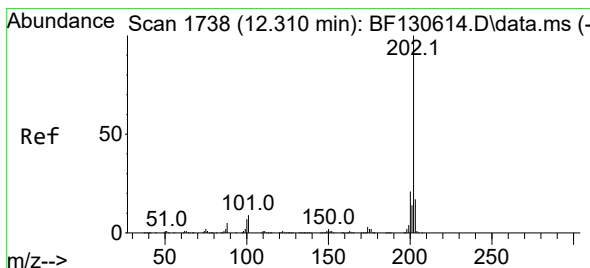
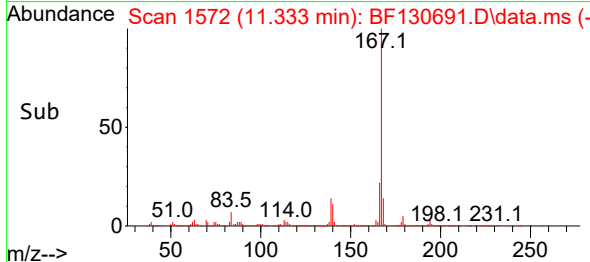
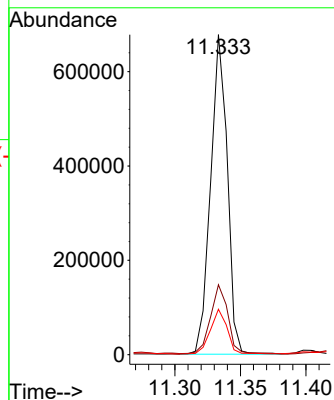
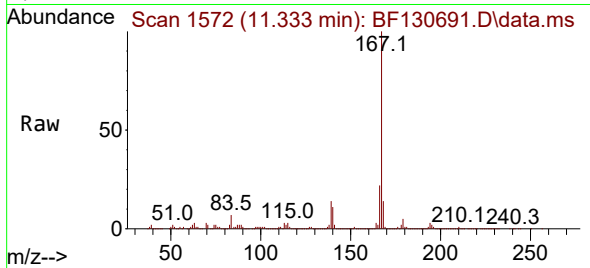




#73
 Carbazole
 Concen: 67.754 ng
 RT: 11.333 min Scan# 1742
 Delta R.T. 0.006 min
 Lab File: BF130691.D
 Acq: 17 Oct 2022 17:31

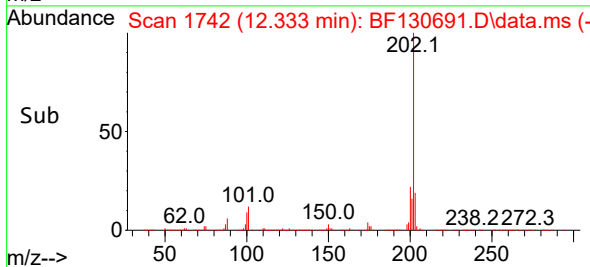
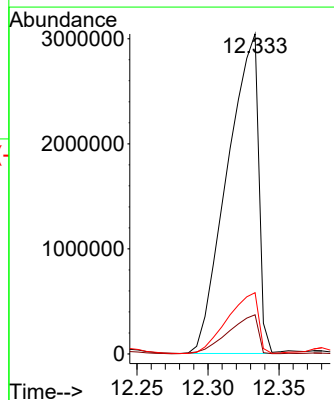
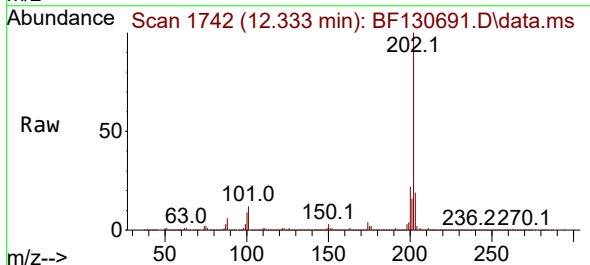
Instrument :
 BNA_F
 ClientSampleId :
 HD-1-101422

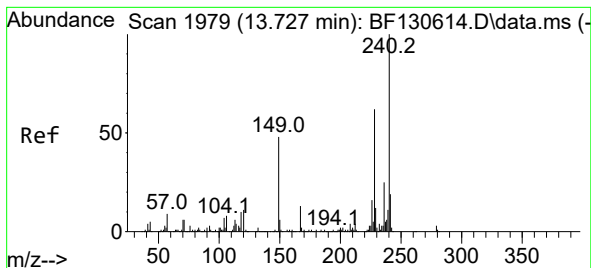
Tgt Ion:167 Resp: 599915
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.3 25.9
 139 14.2 10.7 16.1



#75
 Fluoranthene
 Concen: 477.144 ng
 RT: 12.333 min Scan# 1742
 Delta R.T. 0.035 min
 Lab File: BF130691.D
 Acq: 17 Oct 2022 17:31

Tgt Ion:202 Resp: 4659264
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 29.1
 203 19.2 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.739 min Scan# 1979

Delta R.T. 0.018 min

Lab File: BF130691.D

Acq: 17 Oct 2022 17:31

Instrument :

BNA_F

ClientSampleId :

HD-1-101422

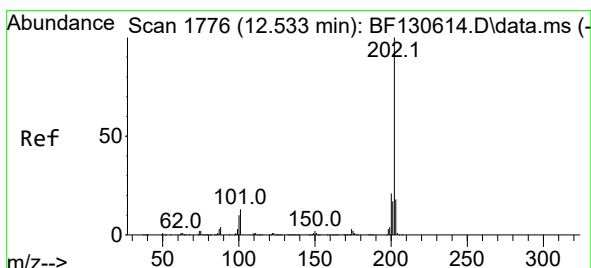
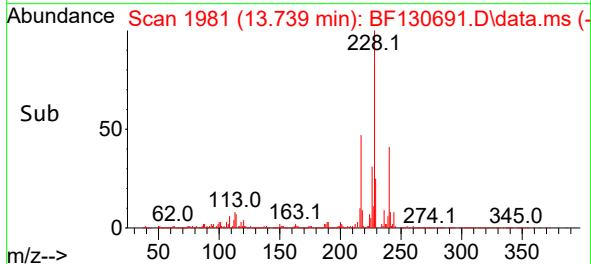
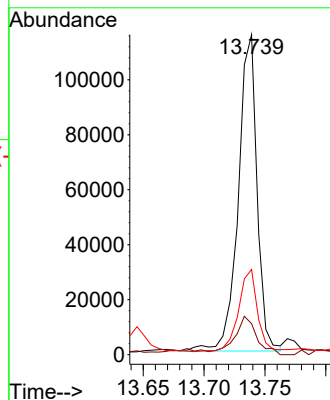
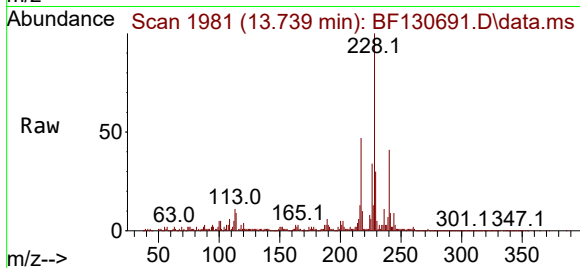
Tgt Ion:240 Resp: 123370

Ion Ratio Lower Upper

240 100

120 9.7 8.6 13.0

236 26.7 20.2 30.4



#78

Pyrene

Concen: 446.007 ng

RT: 12.563 min Scan# 1781

Delta R.T. 0.041 min

Lab File: BF130691.D

Acq: 17 Oct 2022 17:31

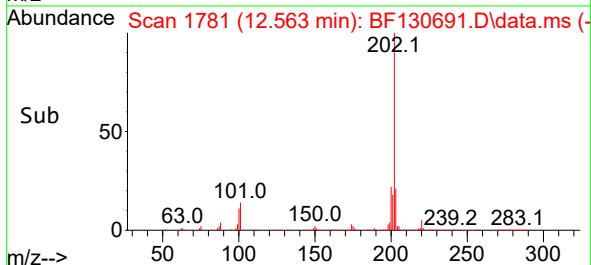
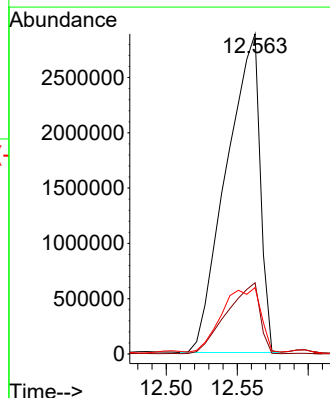
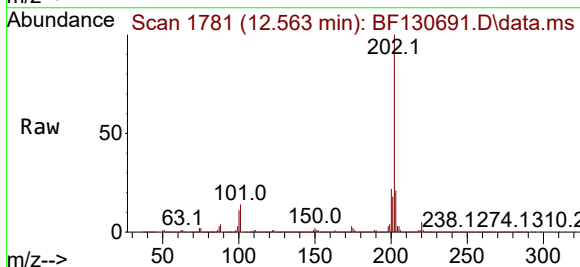
Tgt Ion:202 Resp: 4746941

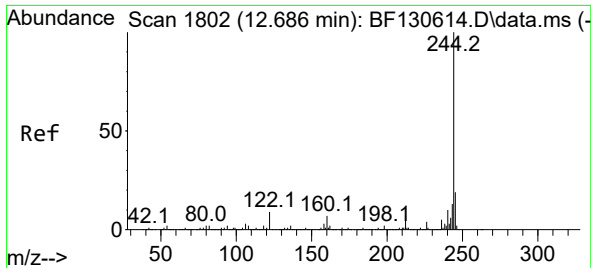
Ion Ratio Lower Upper

202 100

200 22.2 16.7 25.1

203 20.8 14.0 21.0

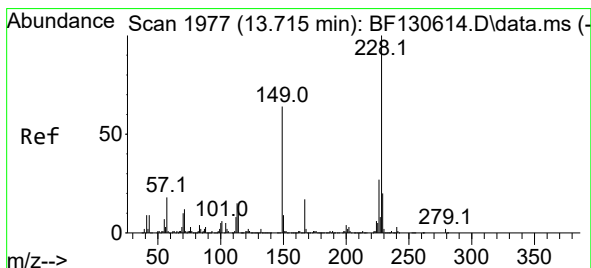
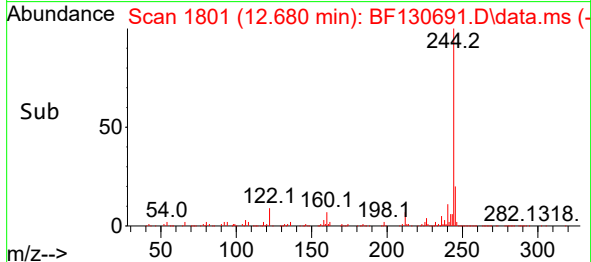
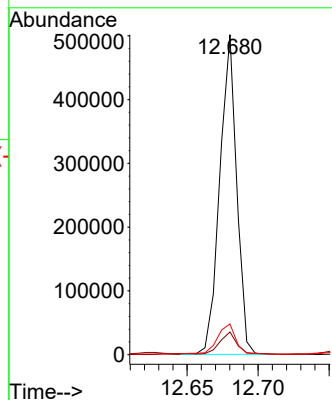
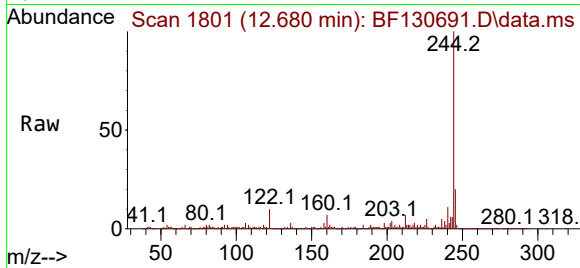




#79
 Terphenyl-d14
 Concen: 55.786 ng
 RT: 12.680 min Scan# 1802
 Delta R.T. 0.006 min
 Lab File: BF130691.D
 Acq: 17 Oct 2022 17:31

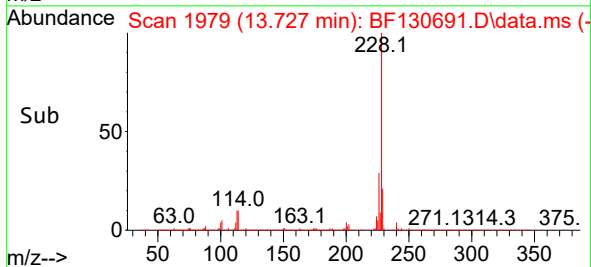
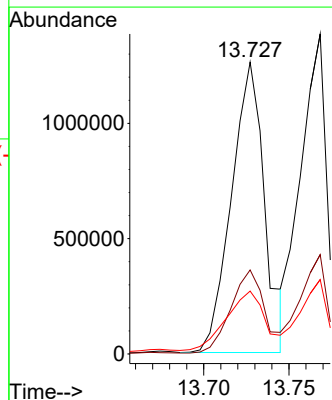
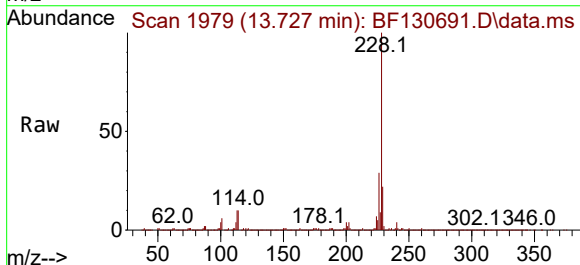
Instrument :
 BNA_F
 ClientSampleId :
 HD-1-101422

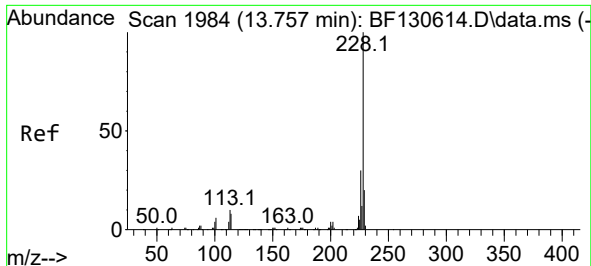
Tgt Ion:244 Resp: 414665
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 9.6 7.5 11.3



#81
 Benzo(a)anthracene
 Concen: 204.597 ng
 RT: 13.727 min Scan# 1979
 Delta R.T. 0.018 min
 Lab File: BF130691.D
 Acq: 17 Oct 2022 17:31

Tgt Ion:228 Resp: 1700779
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.4 32.2
 229 21.5 15.8 23.8

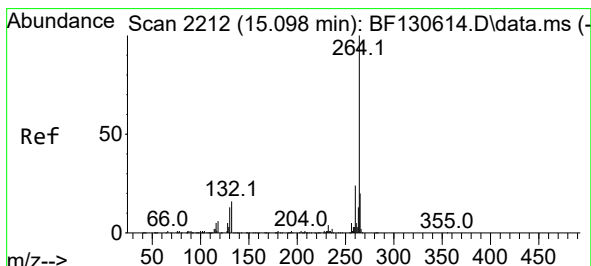
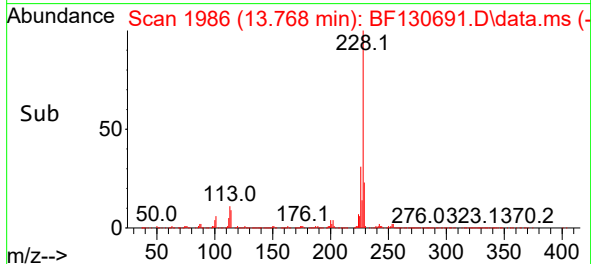
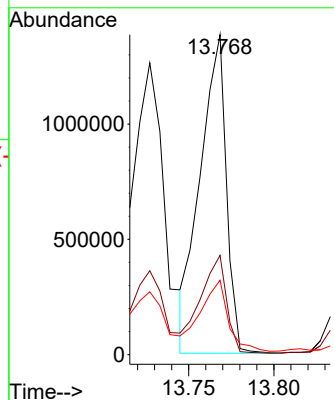
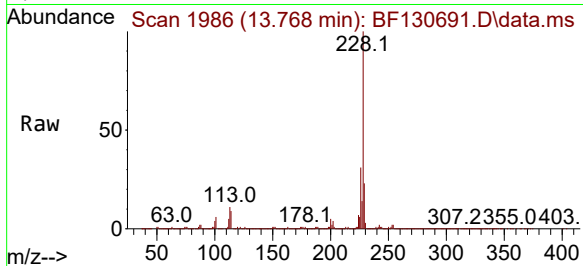




#83
Chrysene
Concen: 186.701 ng
RT: 13.768 min Scan# 1984
Delta R.T. 0.023 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

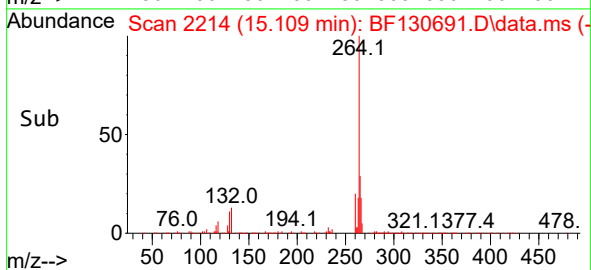
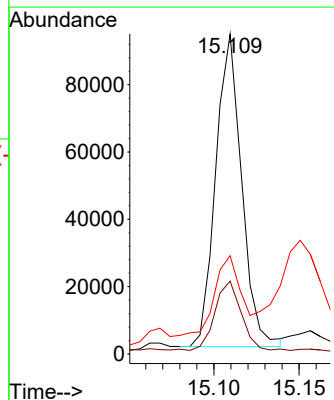
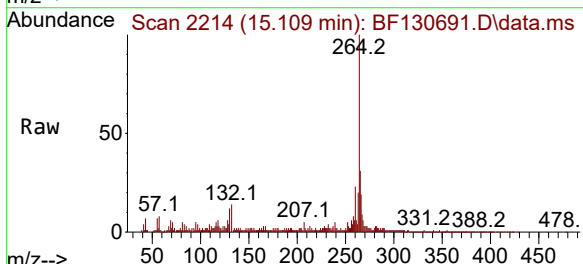
Instrument :
BNA_F
ClientSampleId :
HD-1-101422

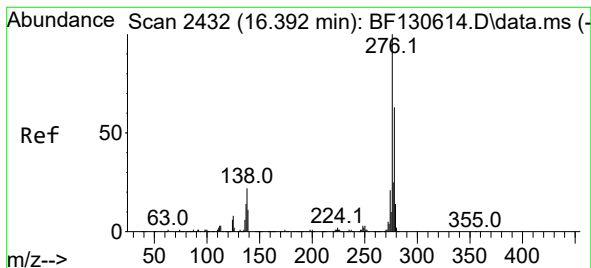
Tgt Ion:228 Resp: 1471512
Ion Ratio Lower Upper
228 100
226 31.0 23.9 35.9
229 23.2 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.109 min Scan# 2214
Delta R.T. 0.023 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

Tgt Ion:264 Resp: 98397
Ion Ratio Lower Upper
264 100
260 22.7 19.1 28.7
265 30.7 16.4 24.6#





#87

Indeno(1,2,3-cd)pyrene

Concen: 64.160 ng

RT: 16.409 min Scan# 2432

Delta R.T. 0.029 min

Lab File: BF130691.D

Acq: 17 Oct 2022 17:31

Instrument :

BNA_F

ClientSampleId :

HD-1-101422

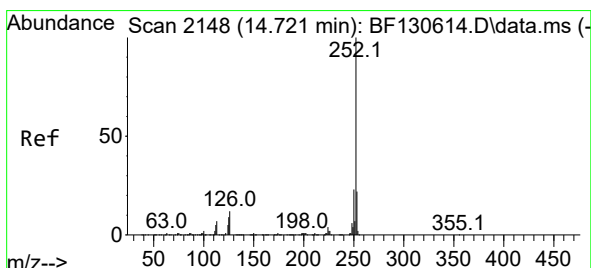
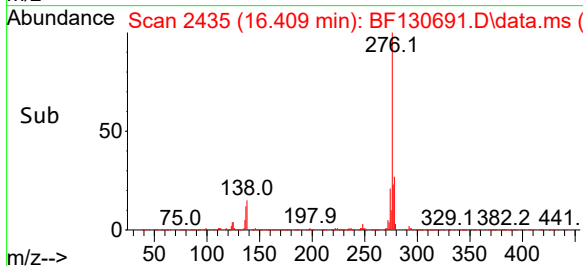
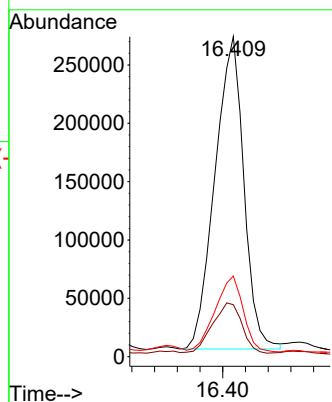
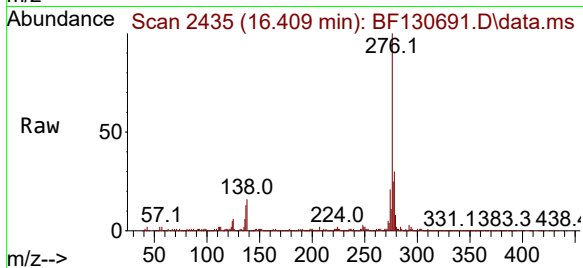
Tgt Ion:276 Resp: 472514

Ion Ratio Lower Upper

276 100

138 17.2 18.0 27.0#

277 24.7 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 264.387 ng

RT: 14.739 min Scan# 2151

Delta R.T. 0.023 min

Lab File: BF130691.D

Acq: 17 Oct 2022 17:31

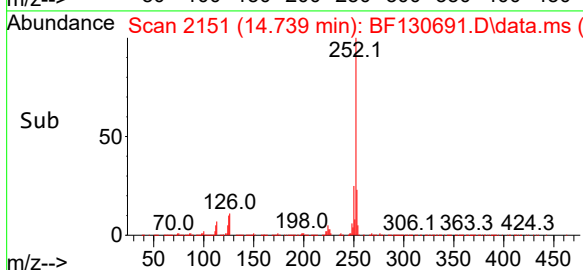
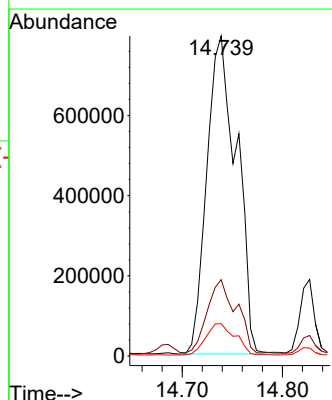
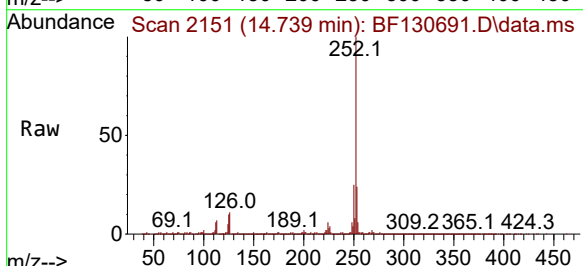
Tgt Ion:252 Resp: 1647312

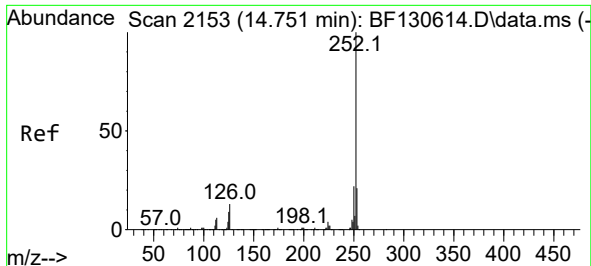
Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.2

125 10.1 7.4 11.0

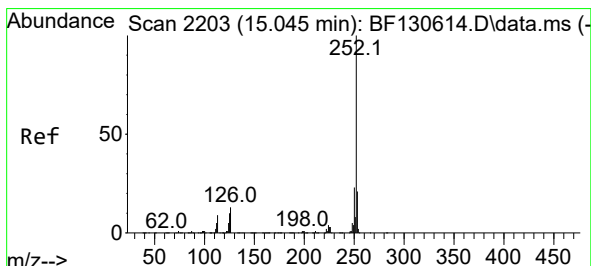
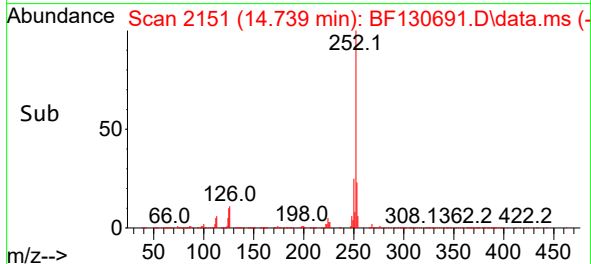
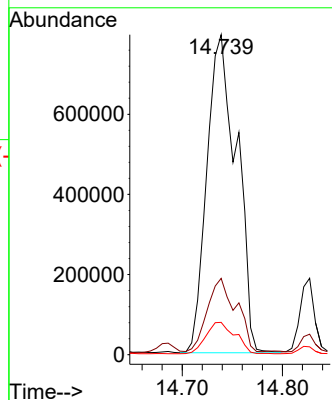
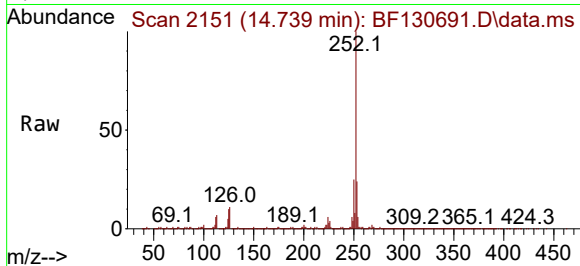




#89
Benzo(k)fluoranthene
Concen: 259.655 ng
RT: 14.739 min Scan# 2153
Delta R.T. -0.000 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

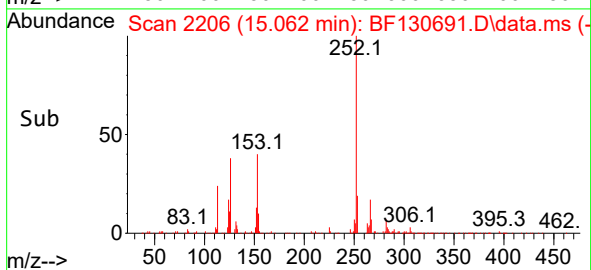
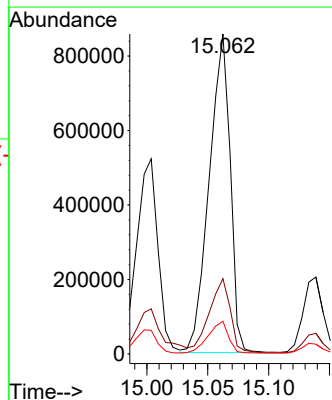
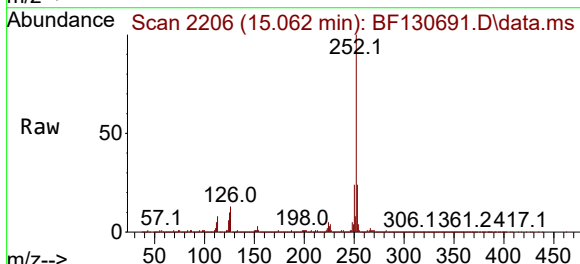
Instrument :
BNA_F
ClientSampleId :
HD-1-101422

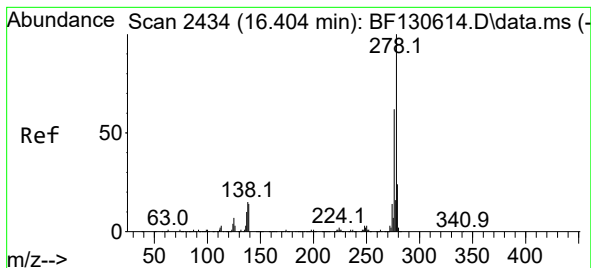
Tgt Ion:252 Resp: 1647312
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.4
125 10.1 7.2 10.8



#90
Benzo(a)pyrene
Concen: 198.018 ng
RT: 15.062 min Scan# 2206
Delta R.T. 0.023 min
Lab File: BF130691.D
Acq: 17 Oct 2022 17:31

Tgt Ion:252 Resp: 1026861
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 10.2 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 18.654 ng

RT: 16.551 min Scan# 24

Delta R.T. 0.159 min

Lab File: BF130691.D

Acq: 17 Oct 2022 17:31

Instrument :

BNA_F

ClientSampleId :

HD-1-101422

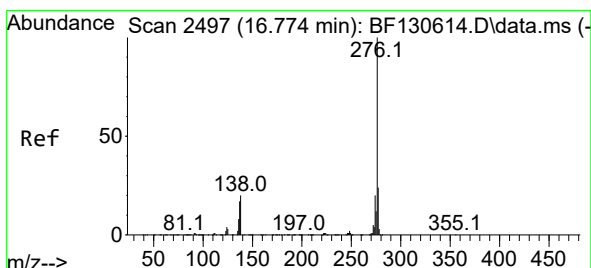
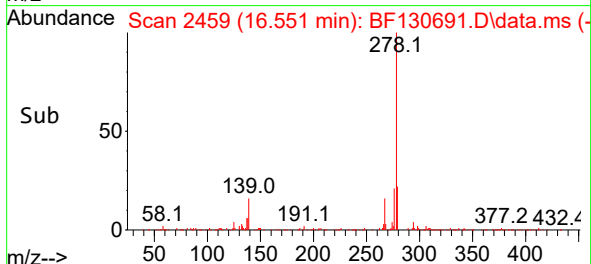
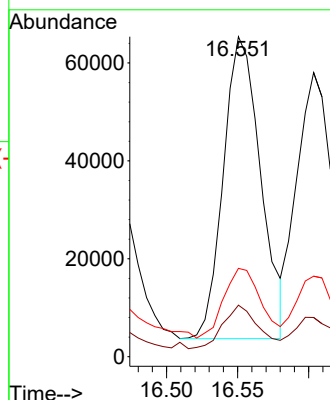
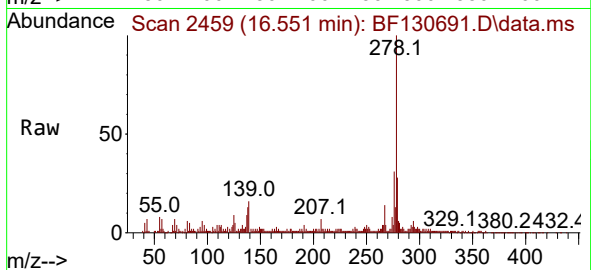
Tgt Ion:278 Resp: 112610

Ion Ratio Lower Upper

278 100

139 16.1 11.1 16.7

279 27.6 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 84.800 ng

RT: 16.798 min Scan# 2501

Delta R.T. 0.029 min

Lab File: BF130691.D

Acq: 17 Oct 2022 17:31

Tgt Ion:276 Resp: 476792

Ion Ratio Lower Upper

276 100

277 24.6 18.9 28.3

138 17.5 15.9 23.9

