

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073120\
 Data File : BF121170.D
 Acq On : 31 Jul 2020 20:53
 Operator : JU/CG
 Sample : L3180-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072920

Quant Time: Jul 31 23:12:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	132481	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	501411	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	241932	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	408568	20.00	ng	0.00
76) Chrysene-d12	13.97	240	332667	20.00	ng	0.00
86) Perylene-d12	15.42	264	386883	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	147915	18.30	ng	-0.01
7) Phenol-d6	6.43	99	182807	17.51	ng	-0.02
23) Nitrobenzene-d5	7.35	82	111264	12.84	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	42525	16.06	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	224868	13.88	ng	-0.01
79) Terphenyl-d14	12.90	244	187757	12.27	ng	0.00

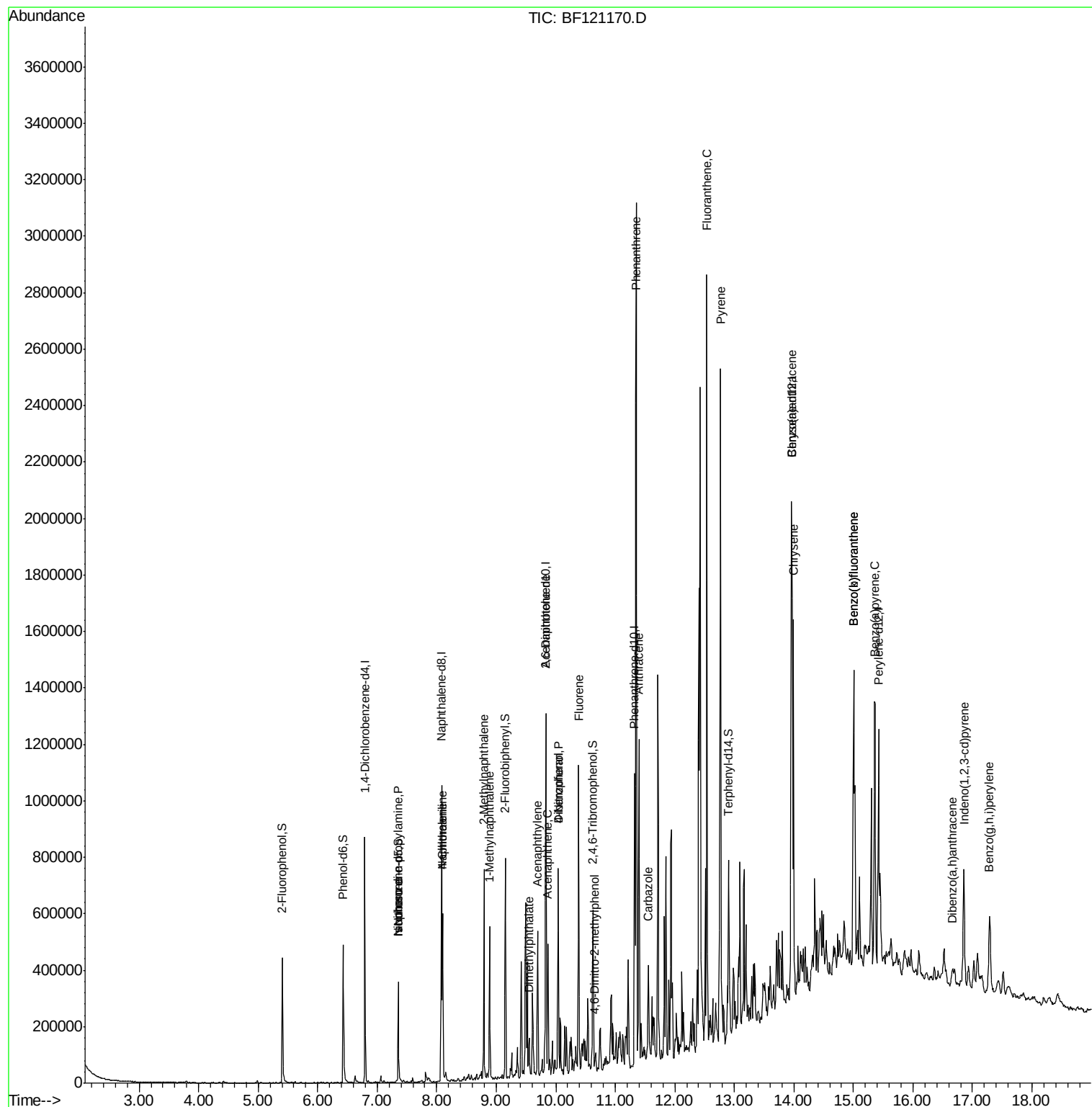
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	107	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.35	70	14660	2.470	ng	# 81
25) Isophorone	7.35	82	106214	6.142	ng	# 62
31) Naphthalene	8.10	128	239049	9.294	ng	# 98
33) 4-Chloroaniline	8.10	127	30360	2.646	ng	# 33
37) 2-Methylnaphthalene	8.79	142	187074	11.202	ng	# 98
38) 1-Methylnaphthalene	8.89	142	151634	9.587	ng	# 99
49) Acenaphthylene	9.69	152	160105	6.850	ng	# 98
50) Dimethylphthalate	9.55	163	40344	2.311	ng	# 99
51) 2,6-Dinitrotoluene	9.83	165	37348	9.960	ng	# 28
52) Acenaphthene	9.87	154	95681	6.438	ng	# 100
55) Dibenzofuran	10.04	168	213747	9.946	ng	# 96
56) 4-Nitrophenol	10.04	139	78060	21.850	ng	# 13
58) Fluorene	10.38	166	319152	19.912	ng	# 98
65) 4,6-Dinitro-2-methylphenol	10.65	198	107	3.884	ng	# 1
71) Phenanthrene	11.35	178	1242253	59.119	ng	# 100
72) Anthracene	11.40	178	411460	19.501	ng	# 99
73) Carbazole	11.55	167	134163	6.407	ng	# 98
75) Fluoranthene	12.54	202	1202516	51.630	ng	# 97
78) Pyrene	12.77	202	1057600	44.967	ng	# 99
81) Benzo(a)anthracene	13.96	228	618841	30.720	ng	# 94
83) Chrysene	13.99	228	490435	23.167	ng	# 96
87) Indeno(1,2,3-cd)pyrene	16.86	276	282039	10.482	ng	# 97
88) Benzo(b)fluoranthene	15.00	252	878202	37.553	ng	# 97
89) Benzo(k)fluoranthene	15.00	252	878202	41.177	ng	# 97
90) Benzo(a)pyrene	15.36	252	487214	22.835	ng	# 98
91) Dibenzo(a,h)anthracene	16.67	278	61433	2.795	ng	# 93
92) Benzo(g,h,i)perylene	17.29	276	239781	11.065	ng	# 99

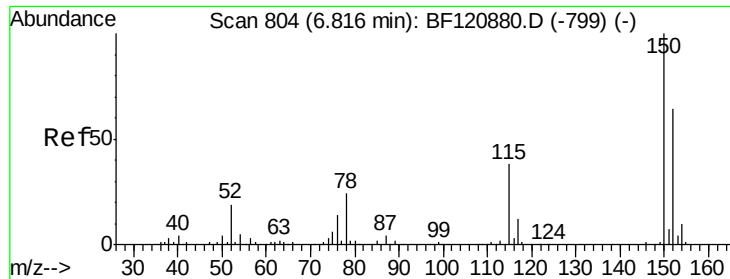
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073120\
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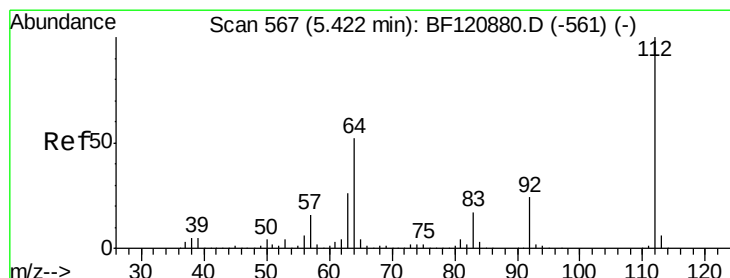
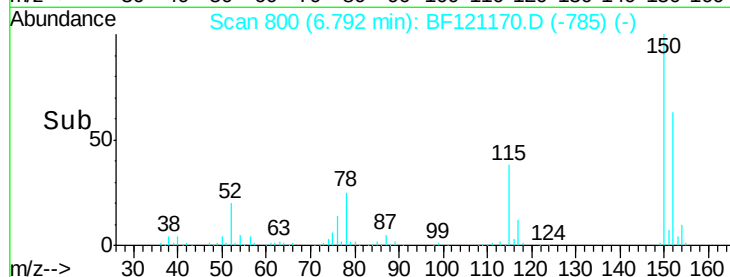
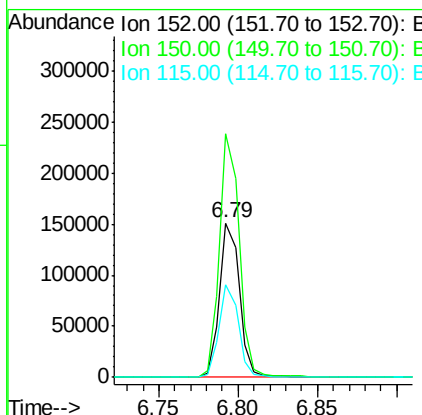
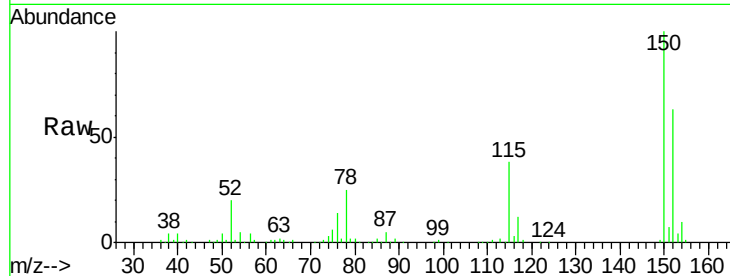




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF121170.D
 Acq: 31 Jul 2020 20:53

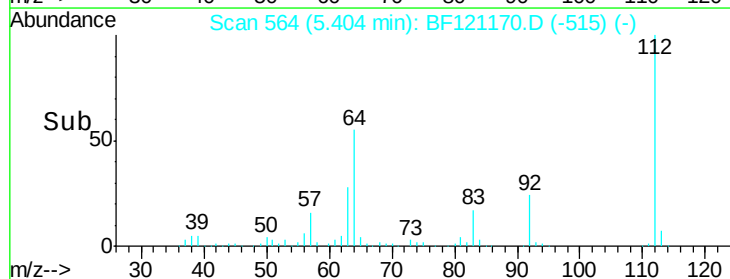
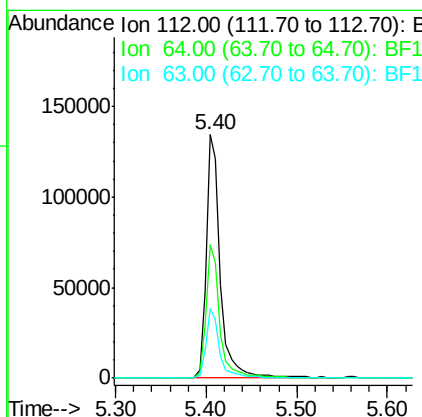
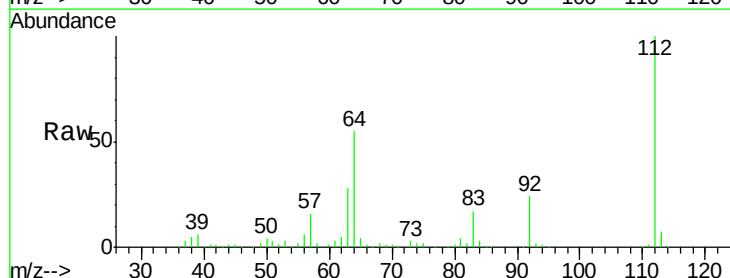
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072920

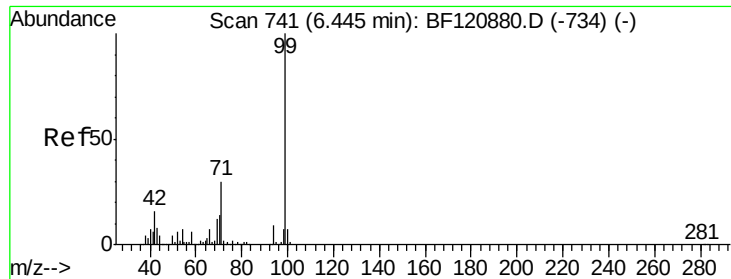
Tot Ion:152 Resp: 132481
 Ion Ratio Lower Upper
 152 100
 150 157.9 125.6 188.4
 115 60.2 46.2 69.2



#5
 2-Fluorophenol
 Concen: 18.303 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF121170.D
 Acq: 31 Jul 2020 20:53

Tgt Ion:112 Resp: 147915
 Ion Ratio Lower Upper
 112 100
 64 54.8 43.9 65.9
 63 28.5 22.7 34.1





#7

Phenol-d6

Concen: 17.512 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

Instrument :

BNA_F

ClientSampleId :

HD-02-072920

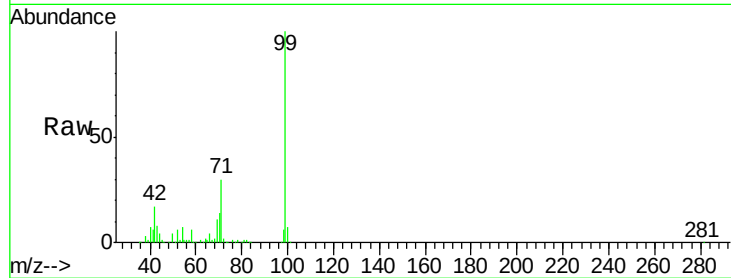
Tot Ion: 99 Resp: 182807

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

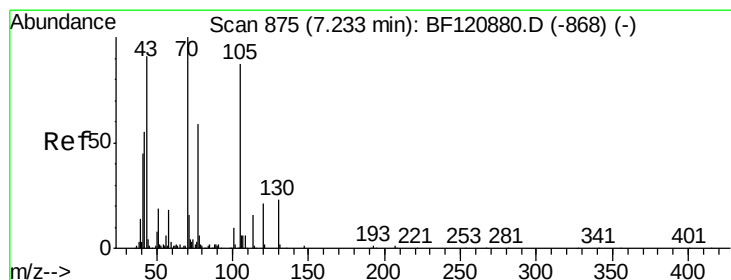
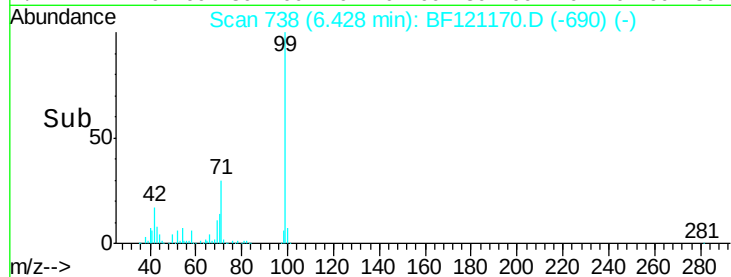
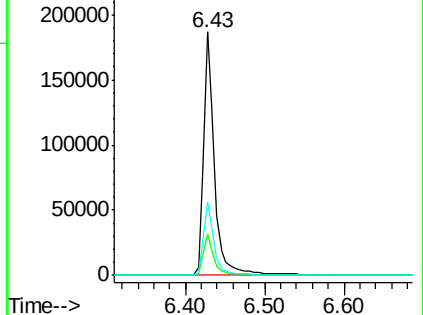
71 30.0 25.0 37.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 2.470 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.12 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

Tgt Ion: 70 Resp: 14660

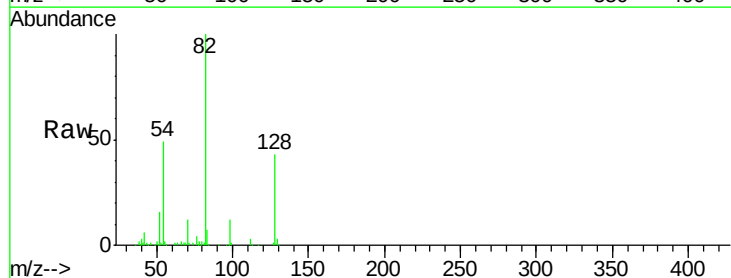
Ion Ratio Lower Upper

70 100

42 48.7 43.3 64.9

101 0.0 8.4 12.6#

130 2.3 18.7 28.1#

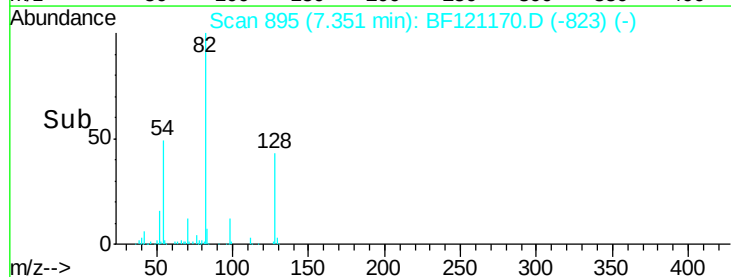
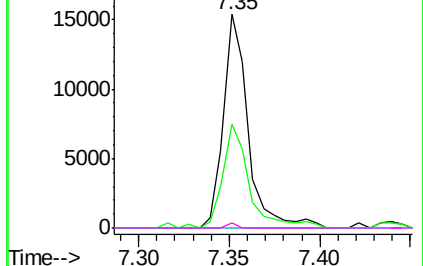


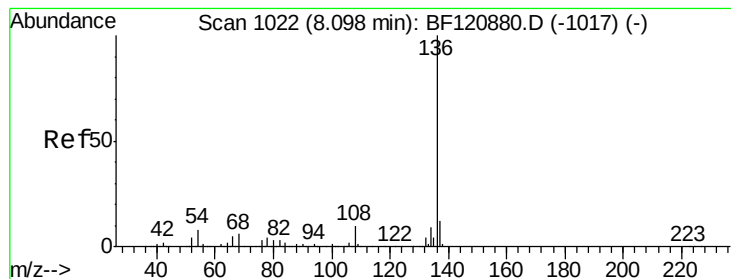
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

Instrument :

BNA_F

ClientSampleId :

HD-02-072920

Tot Ion:136 Resp: 501411

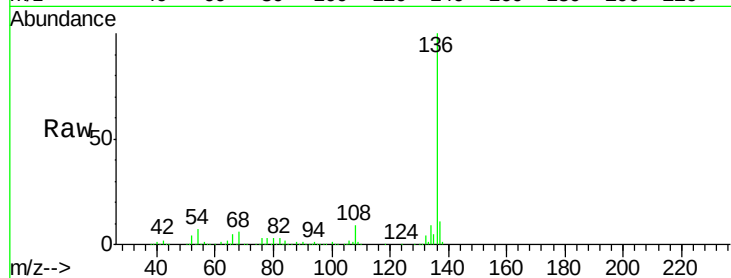
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.8 6.1 9.1

68 5.7 5.0 7.6

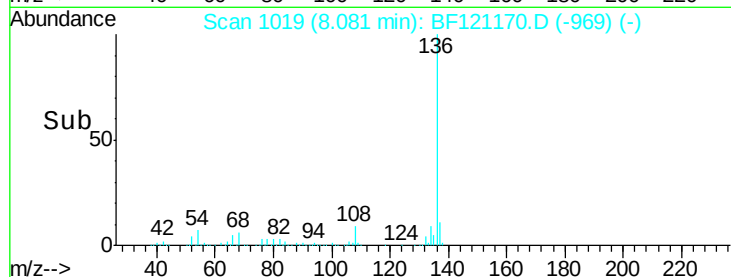


Abundance Ion 136.00 (135.70 to 136.70): E

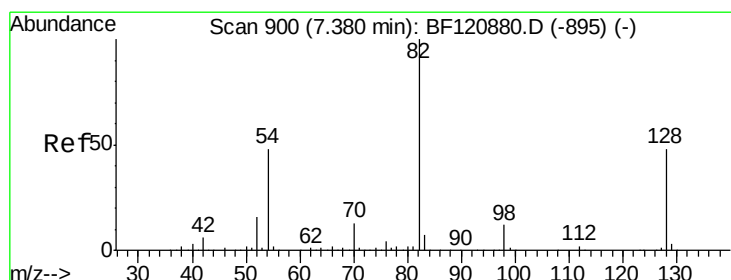
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 12.840 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.02 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

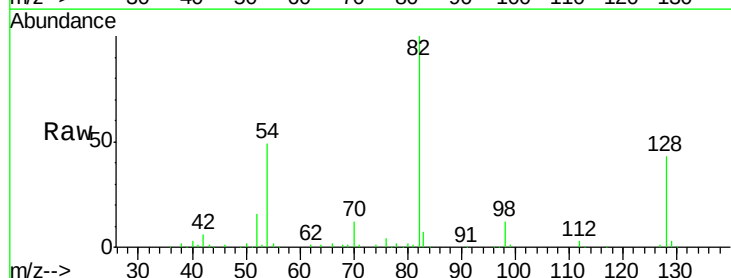
Tgt Ion: 82 Resp: 111264

Ion Ratio Lower Upper

82 100

128 43.4 39.2 58.8

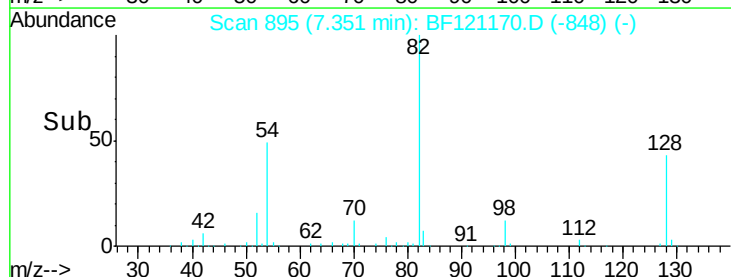
54 48.7 37.8 56.8



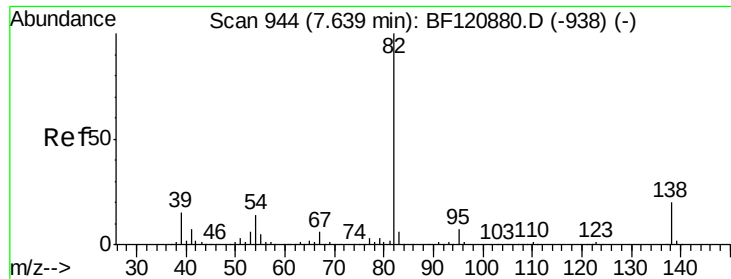
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#25

Isophorone

Concen: 6.142 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.28 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

Instrument :

BNA_F

ClientSampleId :

HD-02-072920

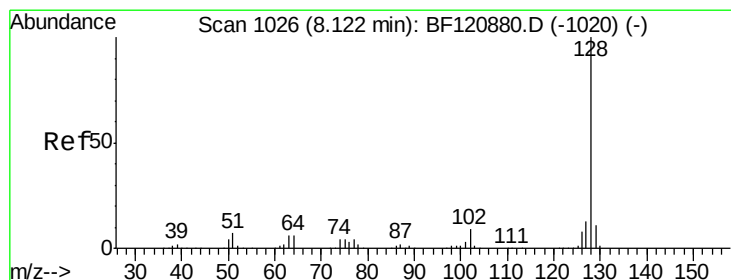
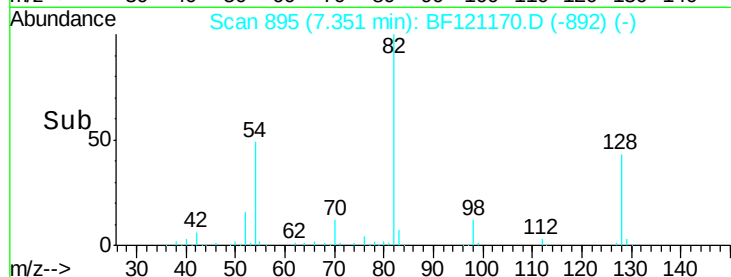
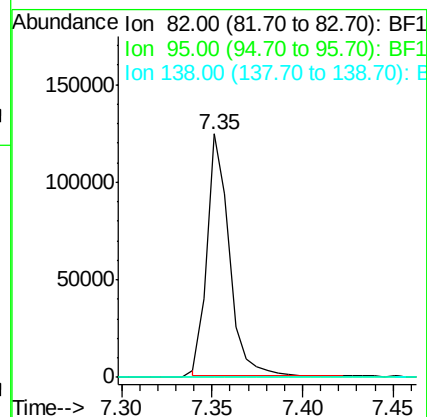
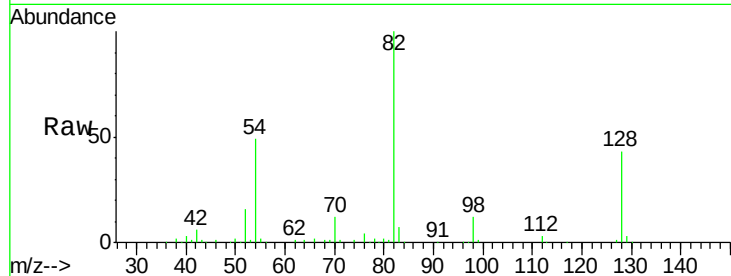
Tot Ion: 82 Resp: 106214

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 16.2 24.2#



#31

Naphthalene

Concen: 9.294 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

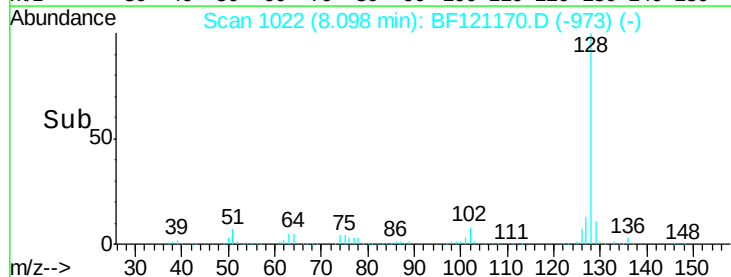
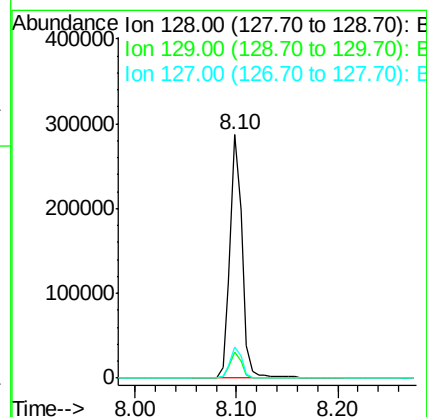
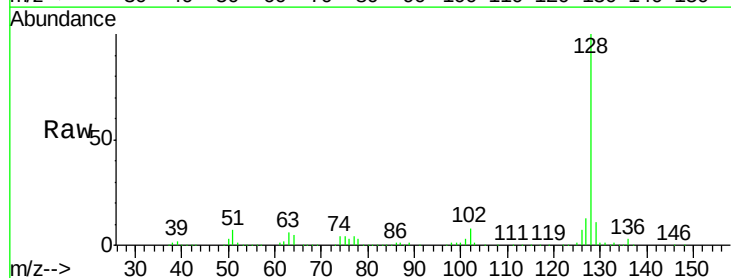
Tgt Ion: 128 Resp: 239049

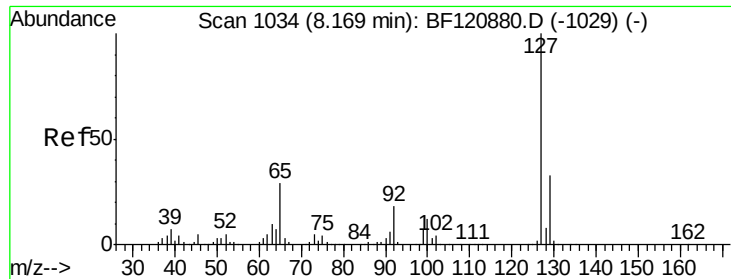
Ion Ratio Lower Upper

128 100

129 10.8 9.3 13.9

127 12.5 10.8 16.2

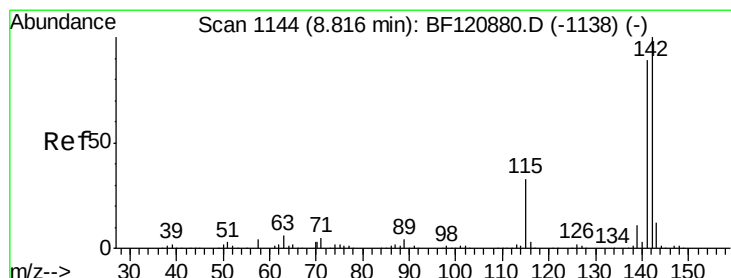
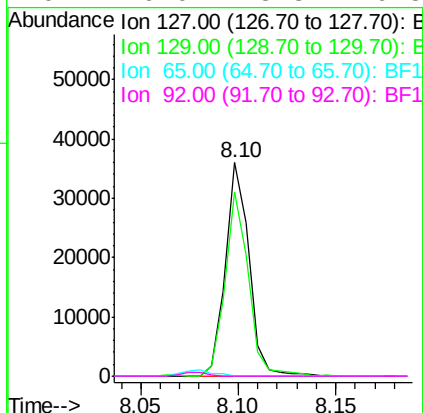
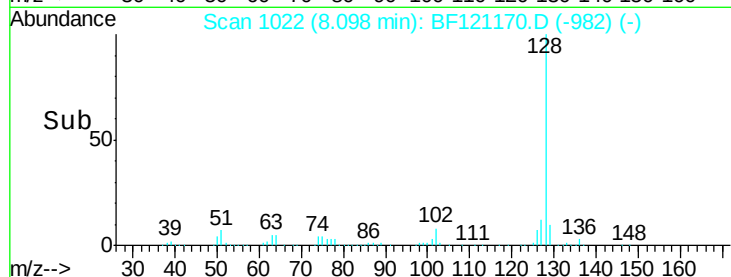
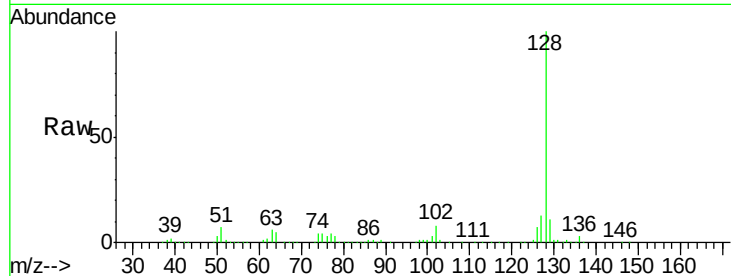




#33
4-Chloroaniline
Concen: 2.646 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.06 min
Lab File: BF121170.D
Acq: 31 Jul 2020 20:53

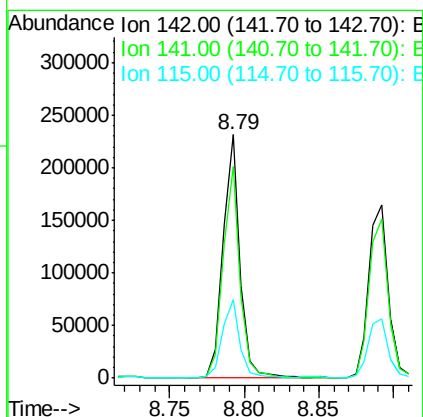
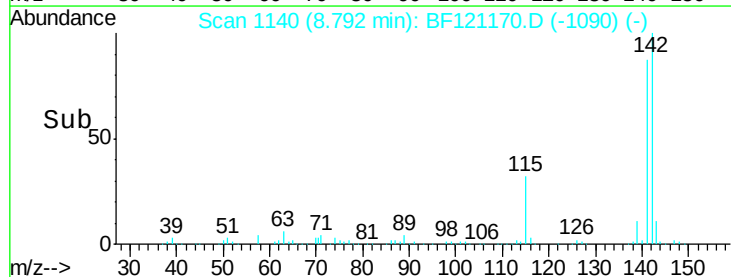
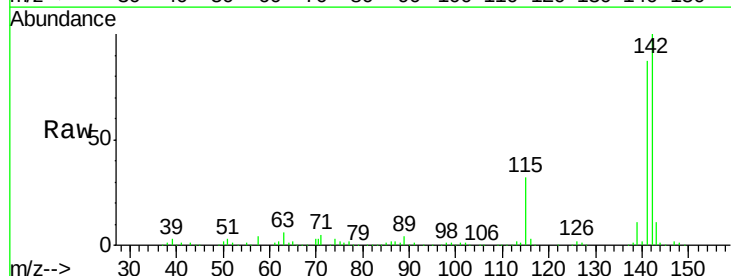
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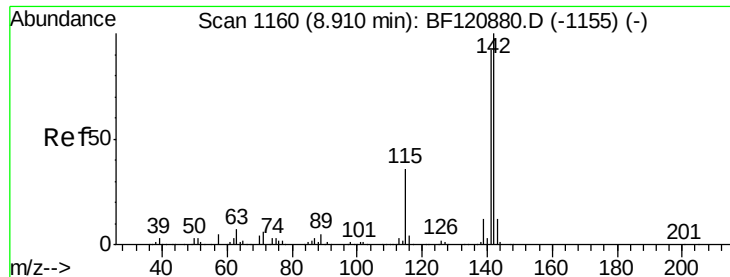
Tot Ion:127 Resp: 30360
Ion Ratio Lower Upper
127 100
129 86.0 26.2 39.2#
65 0.0 21.4 32.0#
92 0.0 13.8 20.8#



#37
2-Methylnaphthalene
Concen: 11.202 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF121170.D
Acq: 31 Jul 2020 20:53

Tgt Ion:142 Resp: 187074
Ion Ratio Lower Upper
142 100
141 86.7 70.6 105.8
115 32.2 27.1 40.7

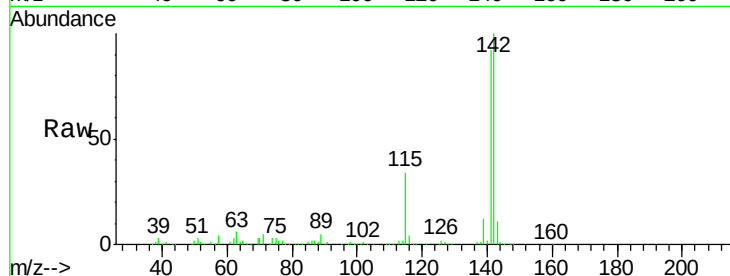




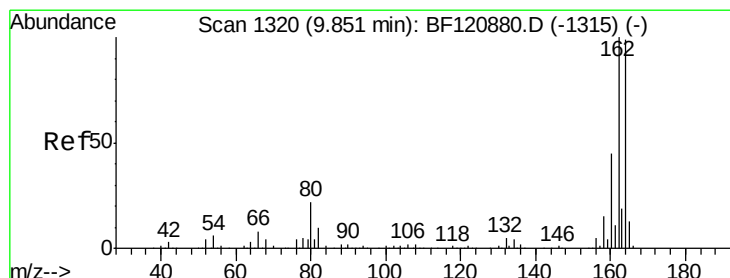
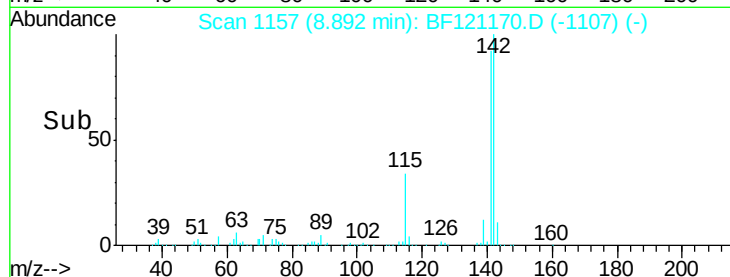
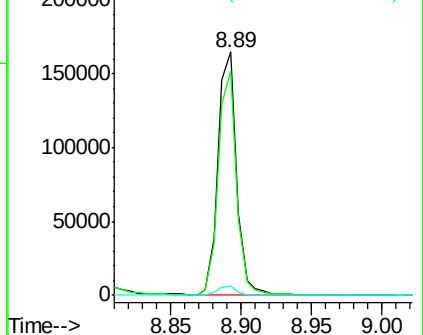
#38
1-Methylnaphthalene
Concen: 9.587 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF121170.D
Acq: 31 Jul 2020 20:53

Instrument :
BNA_F
ClientSampleId :
HD-02-072920

Tot Ion:142 Resp: 151634
Ion Ratio Lower Upper
142 100
141 92.1 73.0 109.6
116 3.7 3.0 4.6

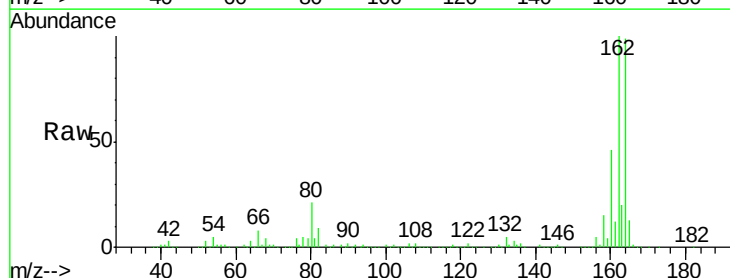


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

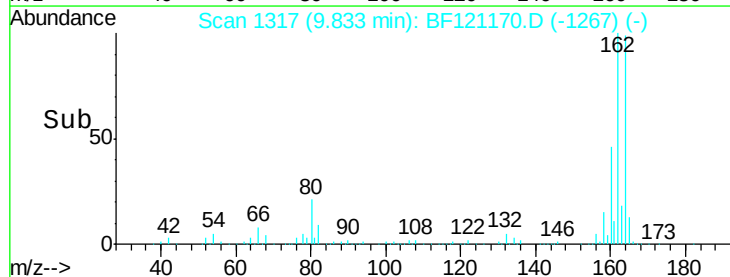
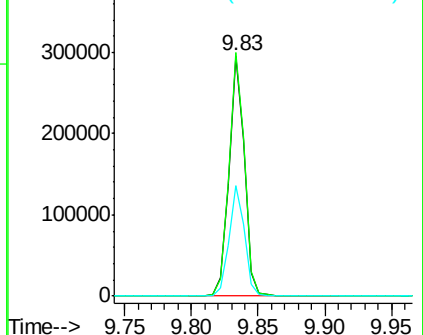


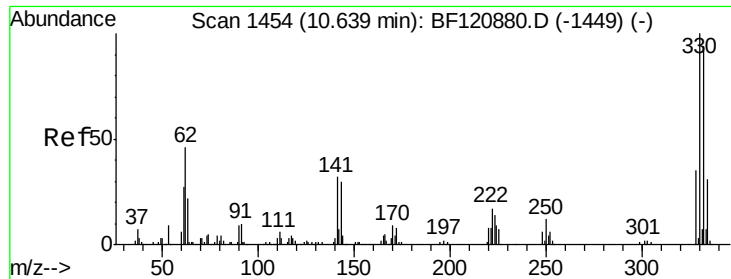
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF121170.D
Acq: 31 Jul 2020 20:53

Tgt Ion:164 Resp: 241932
Ion Ratio Lower Upper
164 100
162 101.3 82.2 123.2
160 46.1 37.2 55.8



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 16.058 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

Instrument :

BNA_F

ClientSampleId :

HD-02-072920

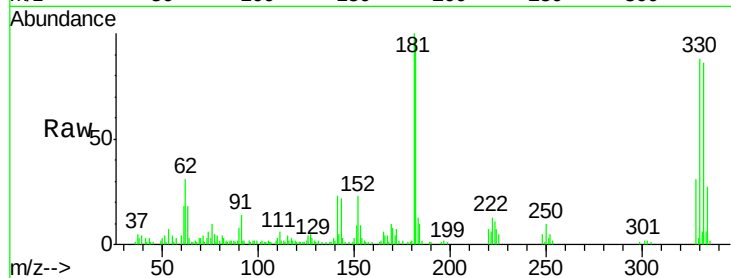
Tot Ion:330 Resp: 42525

Ion Ratio Lower Upper

330 100

332 96.3 76.1 114.1

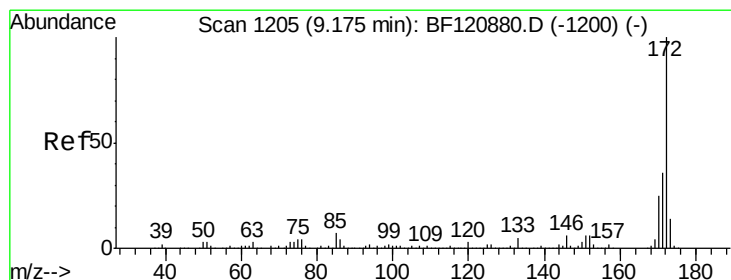
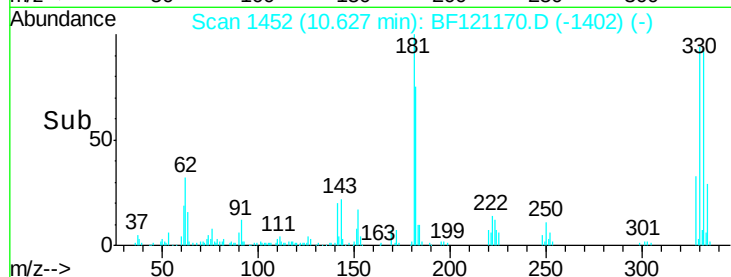
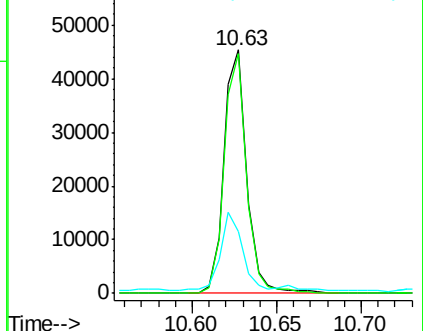
141 31.0 24.1 36.1



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 13.877 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

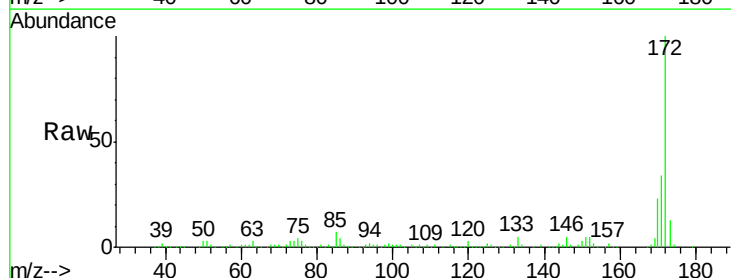
Tgt Ion:172 Resp: 224868

Ion Ratio Lower Upper

172 100

171 34.4 29.0 43.4

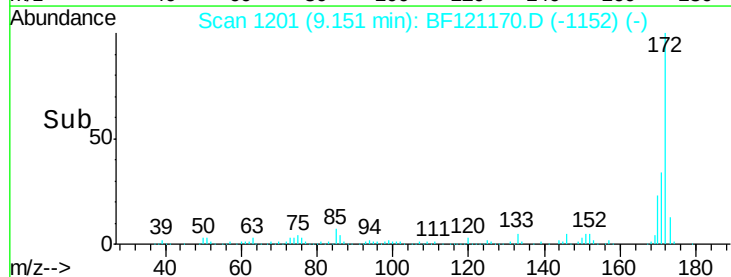
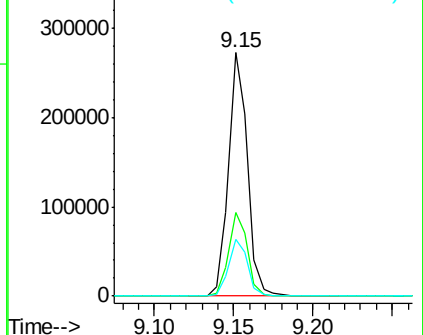
170 23.1 19.6 29.4

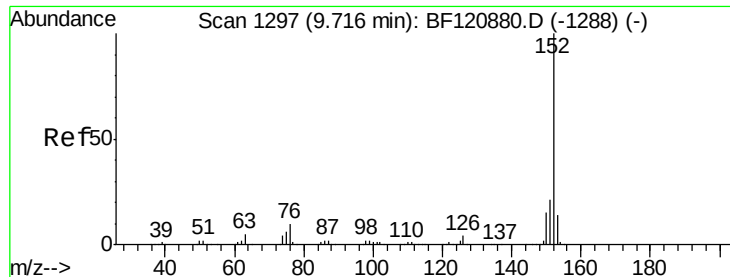


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 6.850 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

Instrument :

BNA_F

ClientSampleId :

HD-02-072920

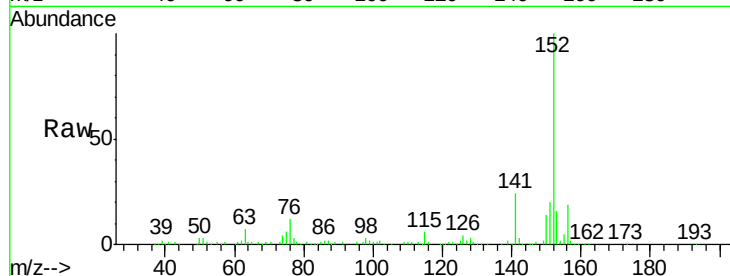
Tot Ion:152 Resp: 160105

Ion Ratio Lower Upper

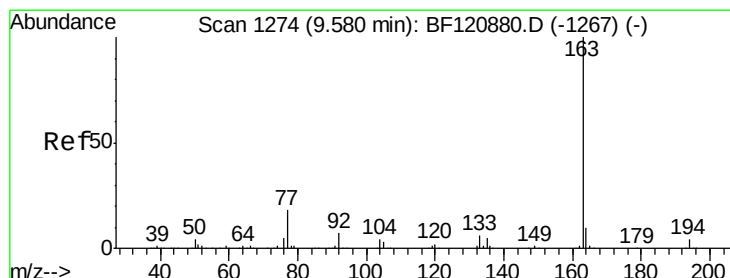
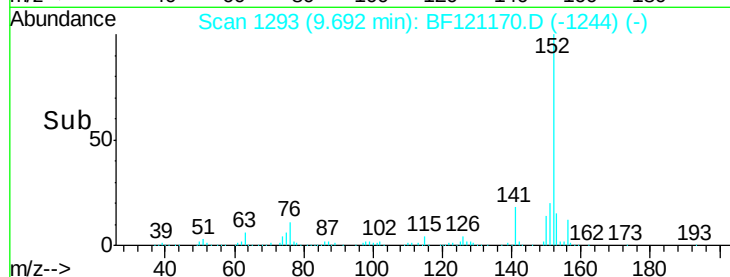
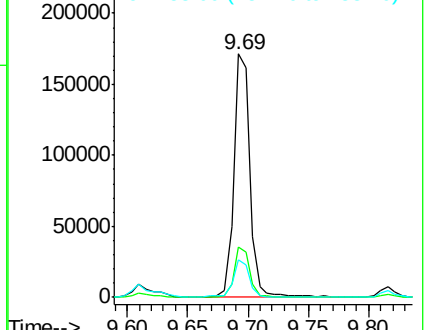
152 100

151 20.5 16.6 25.0

153 15.6 11.0 16.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.311 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

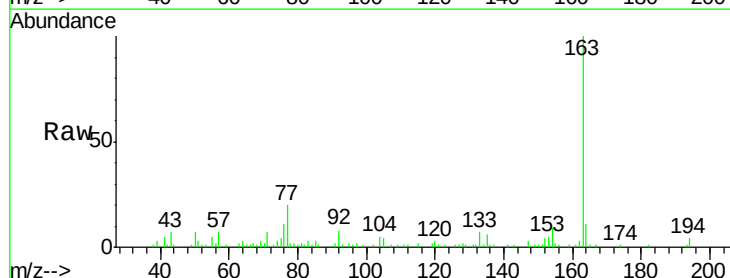
Tgt Ion:163 Resp: 40344

Ion Ratio Lower Upper

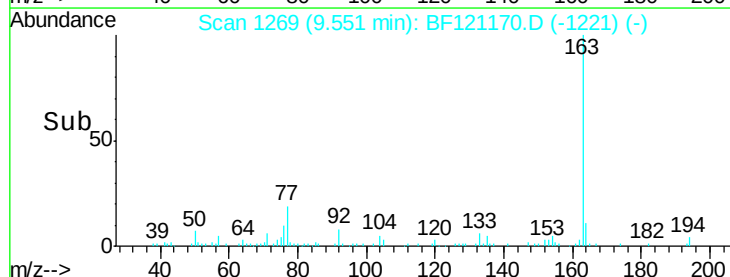
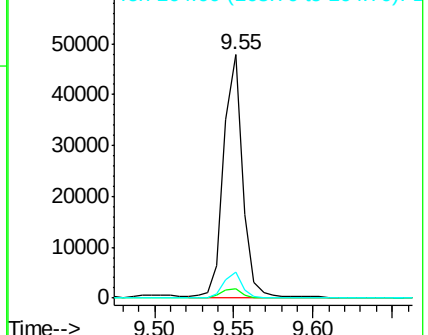
163 100

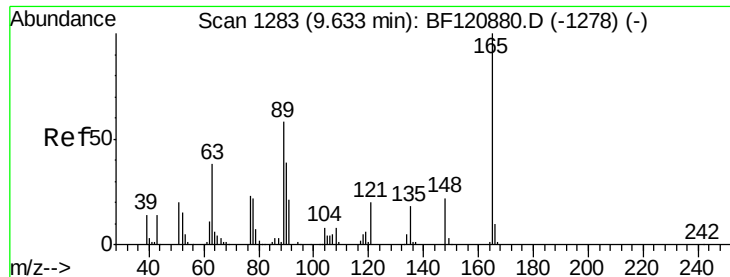
194 3.6 3.0 4.4

164 10.9 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 9.960 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.21 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

Instrument :

BNA_F

ClientSampleId :

HD-02-072920

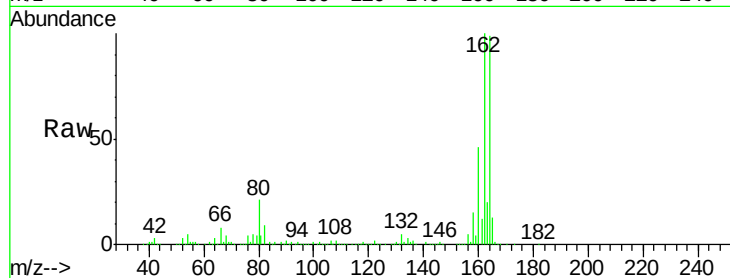
Tot Ion:165 Resp: 37348

Ion Ratio Lower Upper

165 100

63 1.6 41.1 61.7#

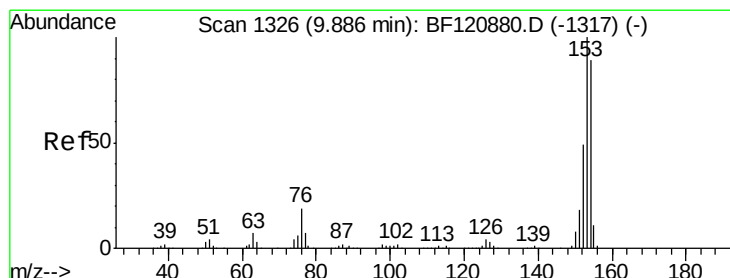
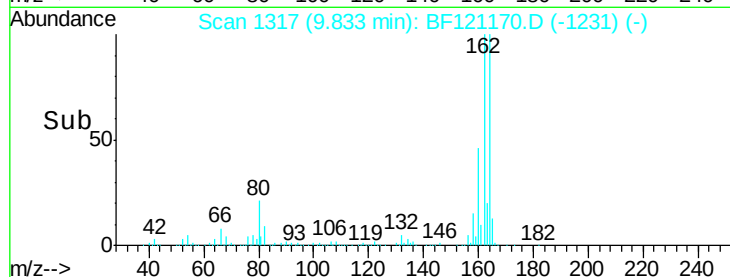
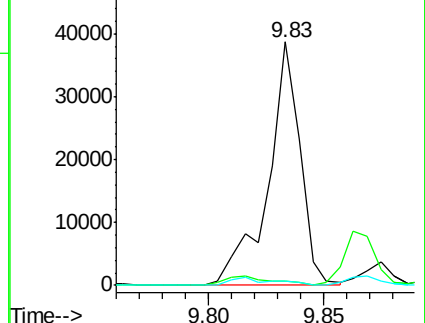
89 1.5 43.5 65.3#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 6.438 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

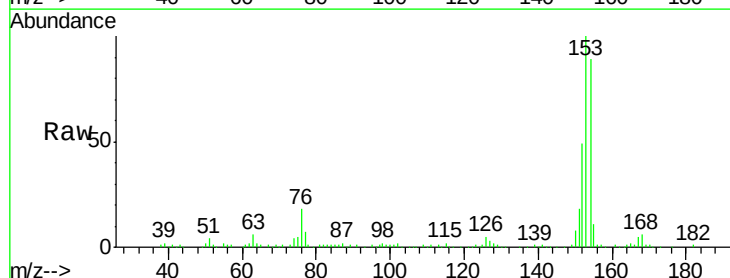
Tgt Ion:154 Resp: 95681

Ion Ratio Lower Upper

154 100

153 112.4 89.6 134.4

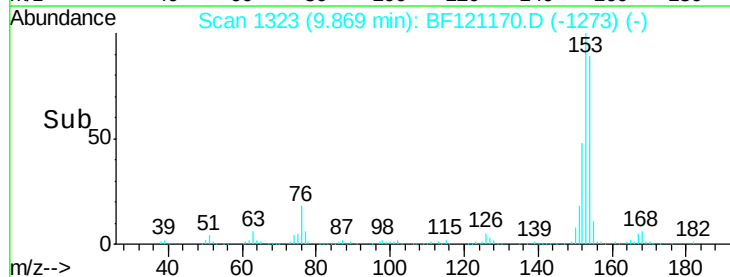
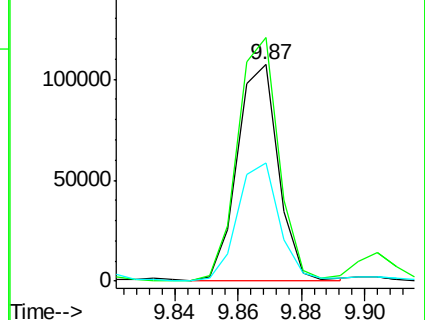
152 54.7 43.8 65.6

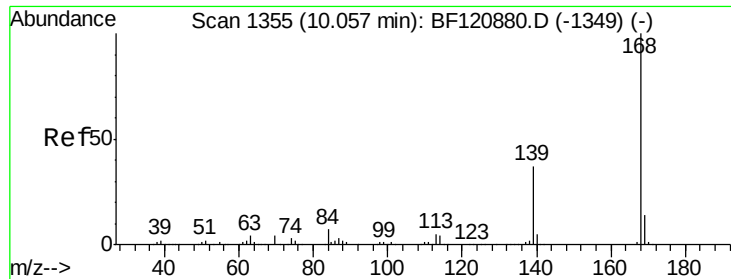


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

Dibenzenofuran

Concen: 9.946 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

Instrument :

BNA_F

ClientSampleId :

HD-02-072920

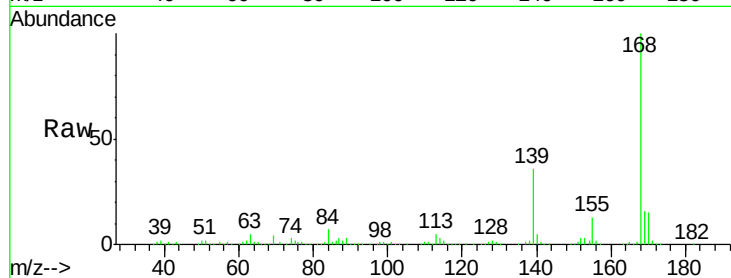
Tot Ion:168 Resp: 213747

Ion Ratio Lower Upper

168 100

139 35.7 30.1 45.1

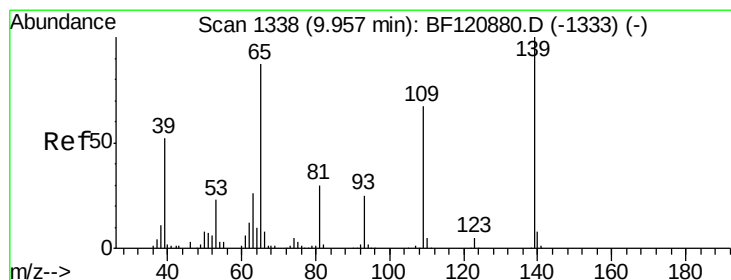
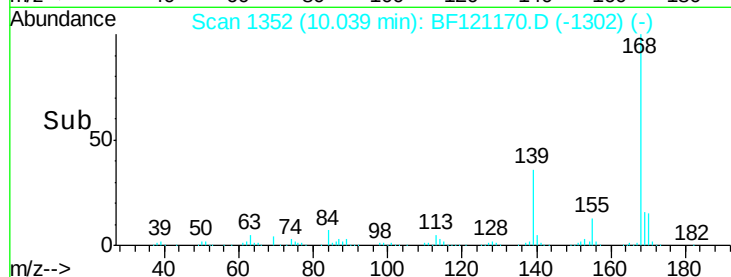
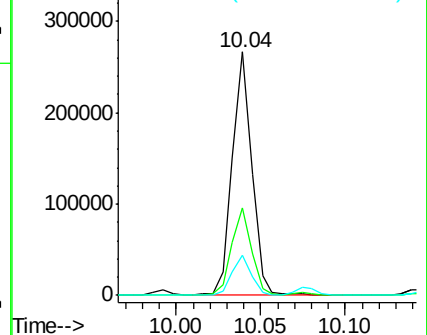
169 16.3 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 21.850 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.08 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

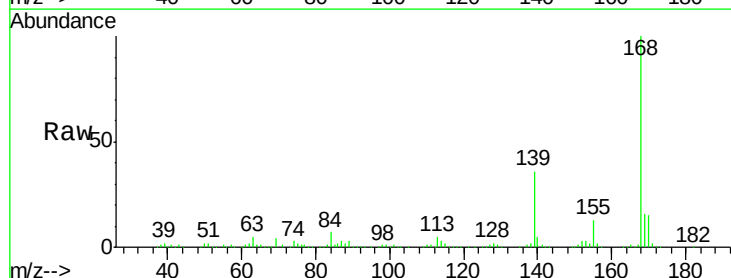
Tgt Ion:139 Resp: 78060

Ion Ratio Lower Upper

139 100

109 1.4 44.8 84.8#

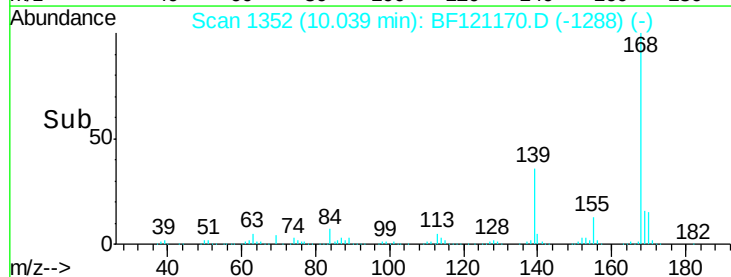
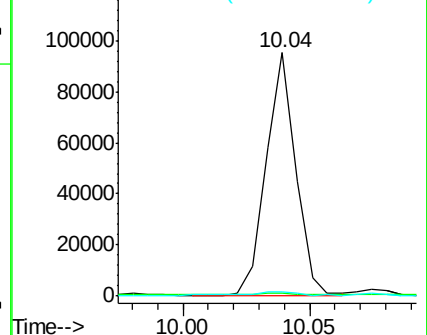
65 2.0 65.6 105.6#

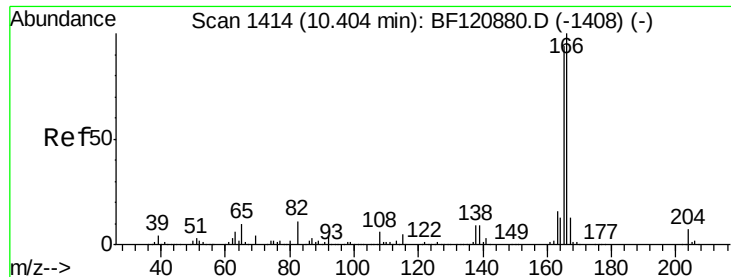


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#58

Fluorene

Concen: 19.912 ng

RT: 10.38 min Scan# 1410

Delta R.T. -0.01 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

Instrument :

BNA_F

ClientSampleId :

HD-02-072920

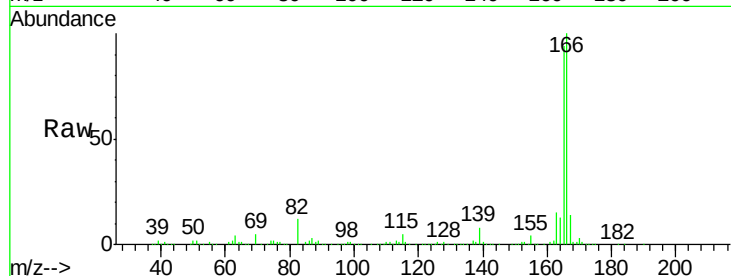
Tot Ion:166 Resp: 319152

Ion Ratio Lower Upper

166 100

165 94.1 76.4 114.6

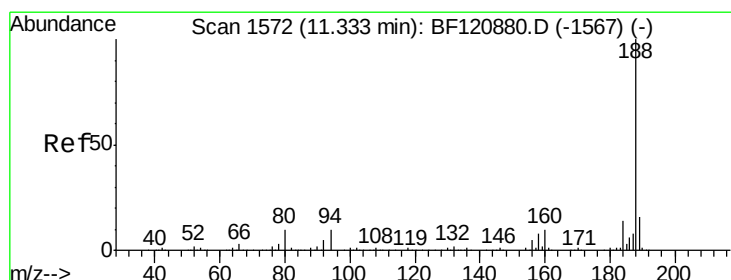
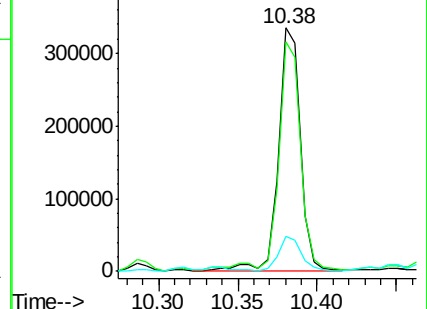
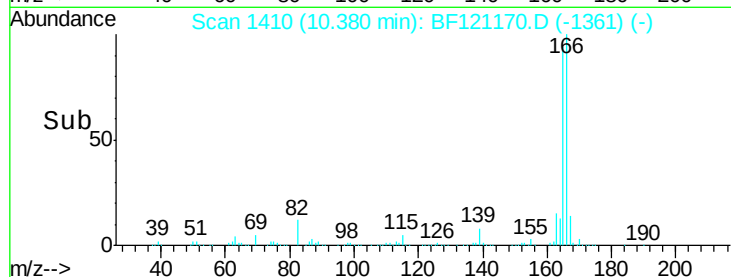
167 14.5 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

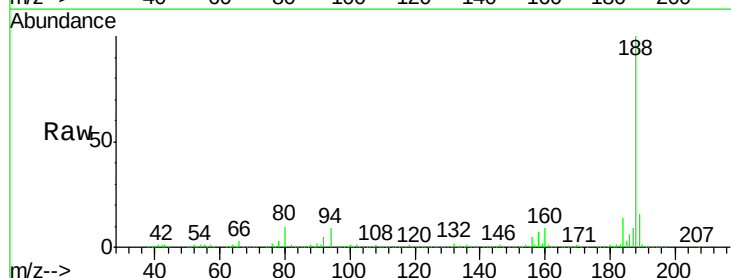
Tgt Ion:188 Resp: 408568

Ion Ratio Lower Upper

188 100

94 9.5 8.0 12.0

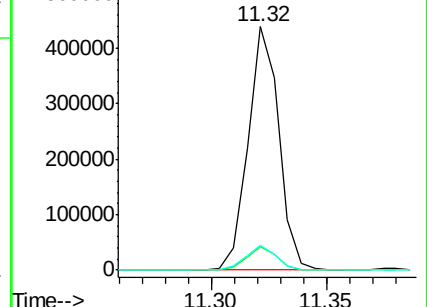
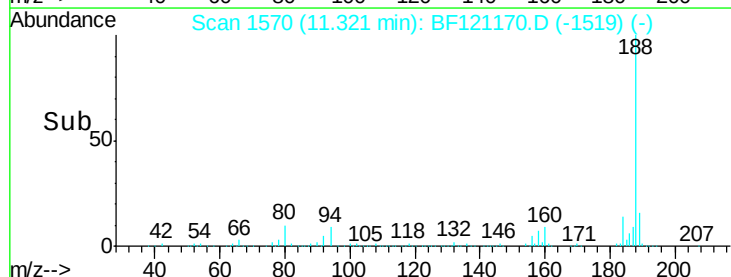
80 9.9 8.3 12.5

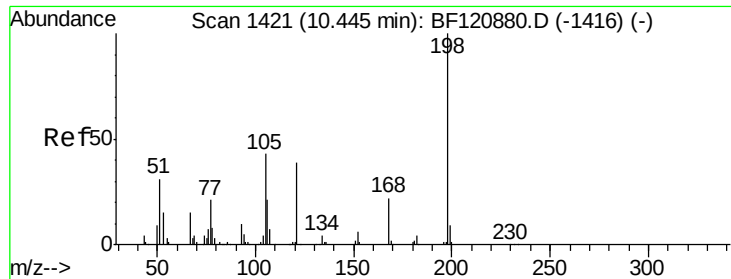


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 3.884 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.21 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

Instrument :

BNA_F

ClientSampleId :

HD-02-072920

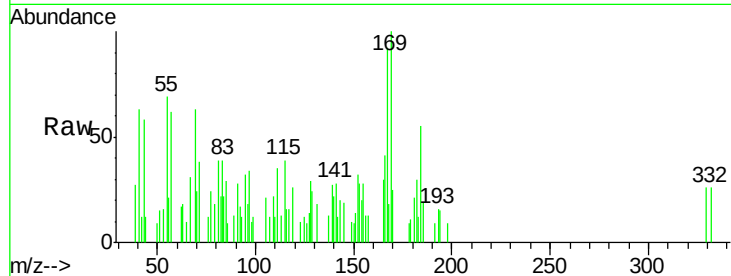
Tot Ion:198 Resp: 107

Ion Ratio Lower Upper

198 100

51 168.1 23.4 63.4#

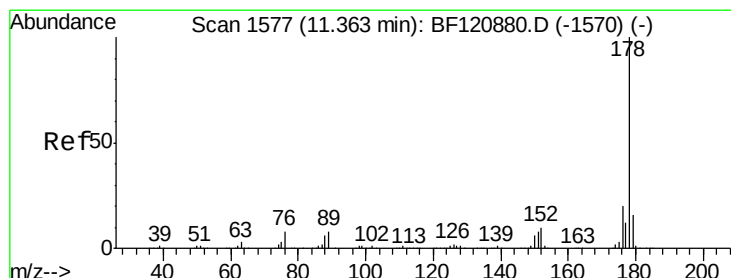
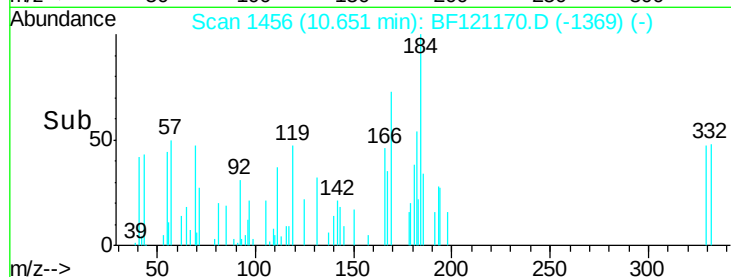
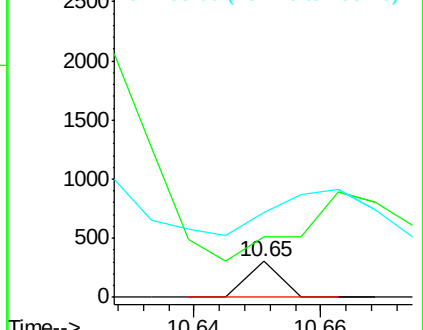
105 236.5 23.7 63.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#71

Phenanthrene

Concen: 59.119 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

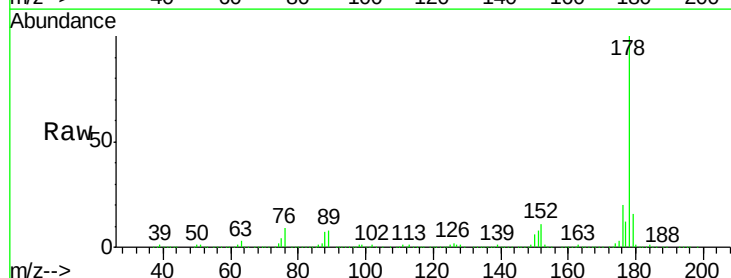
Tgt Ion:178 Resp: 1242253

Ion Ratio Lower Upper

178 100

176 20.4 16.2 24.2

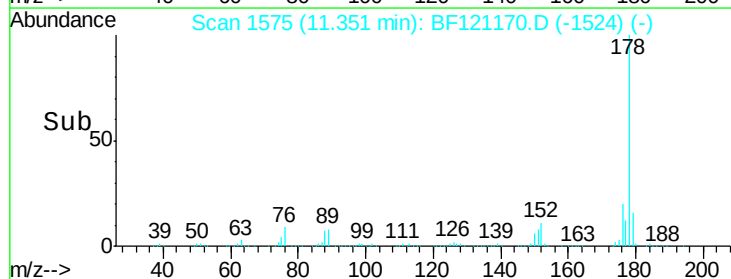
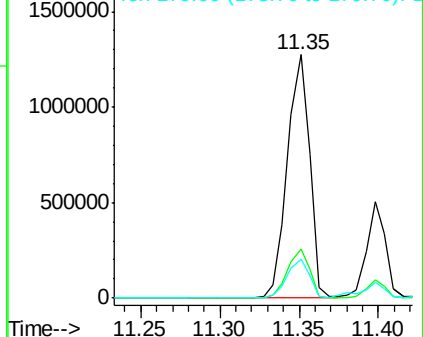
179 15.9 12.6 19.0

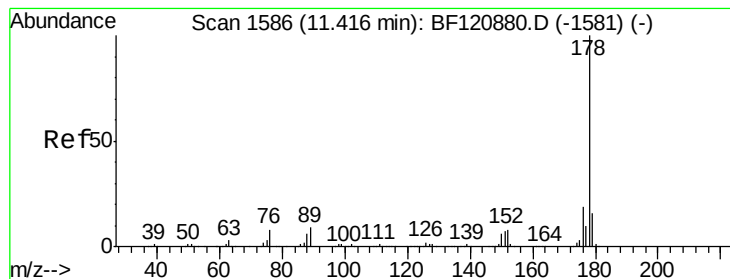


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 19.501 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

Instrument :

BNA_F

ClientSampleId :

HD-02-072920

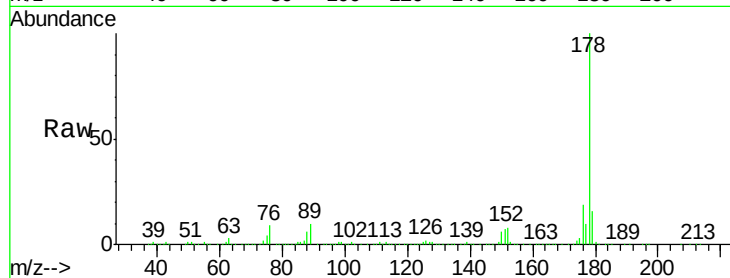
Tot Ion:178 Resp: 411460

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

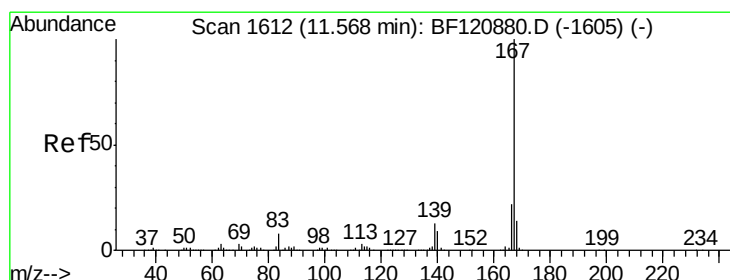
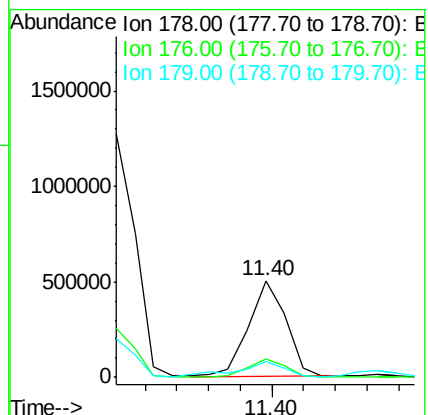
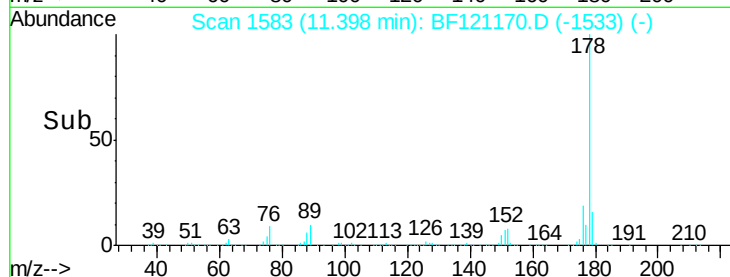
179 15.8 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 6.407 ng

RT: 11.55 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

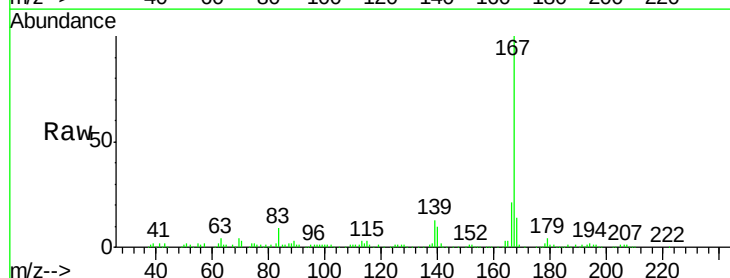
Tgt Ion:167 Resp: 134163

Ion Ratio Lower Upper

167 100

166 20.8 17.5 26.3

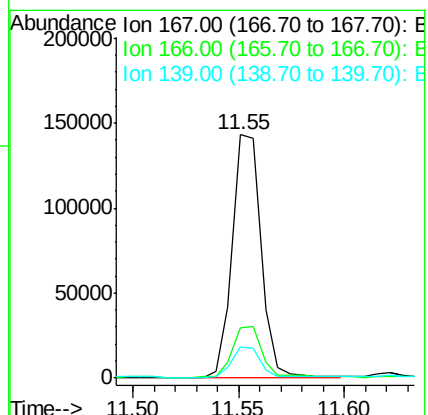
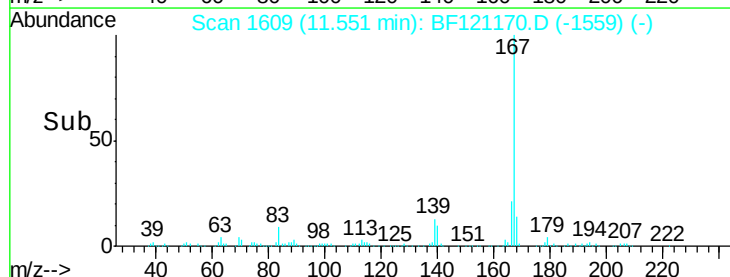
139 12.9 10.5 15.7

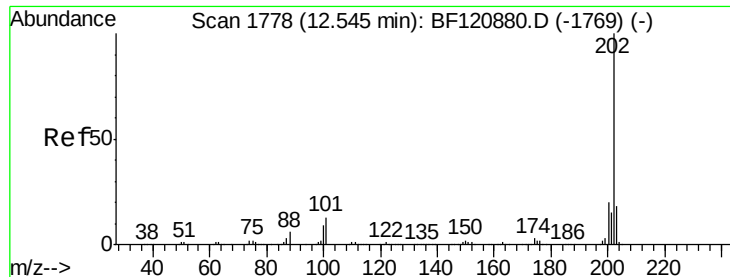


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 51.630 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

Instrument :

BNA_F

ClientSampleId :

HD-02-072920

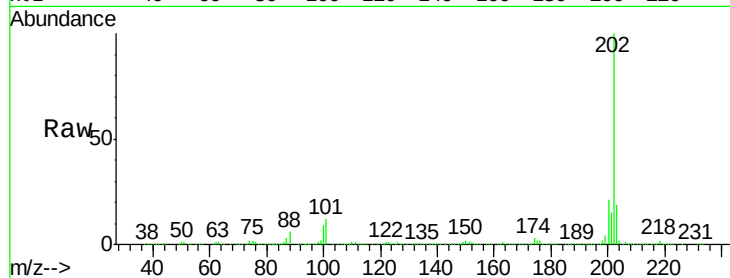
Tot Ion:202 Resp: 1202516

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.5

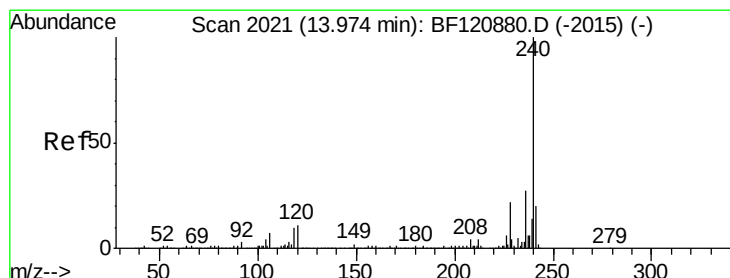
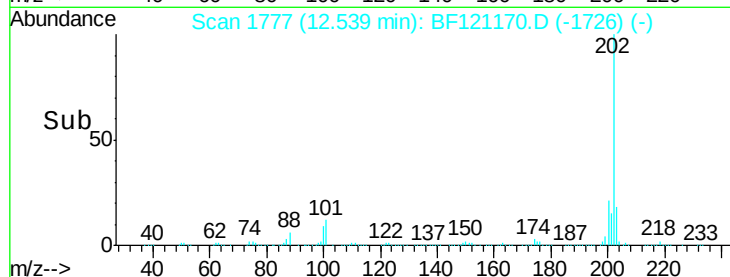
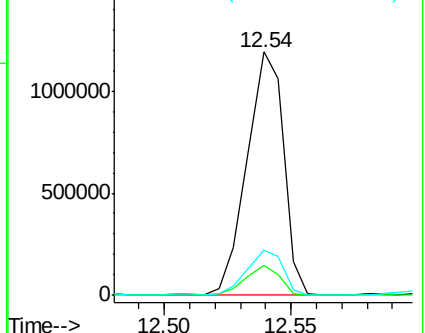
203 18.5 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

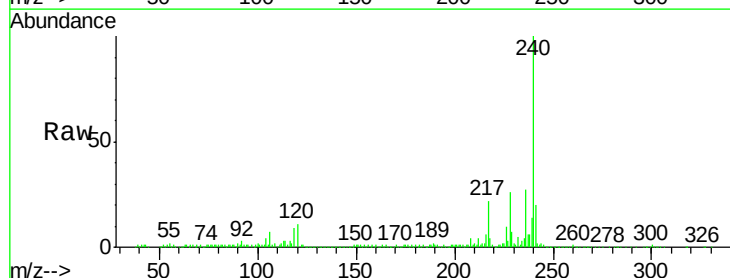
Tgt Ion:240 Resp: 332667

Ion Ratio Lower Upper

240 100

120 11.0 9.3 13.9

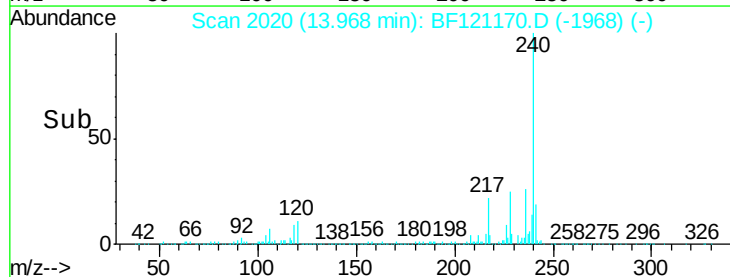
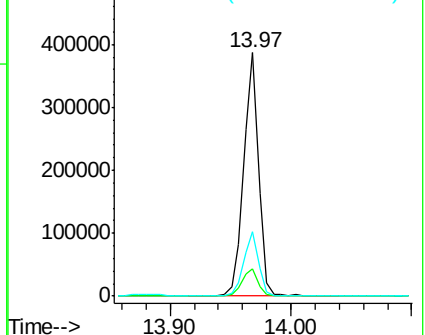
236 26.5 21.1 31.7

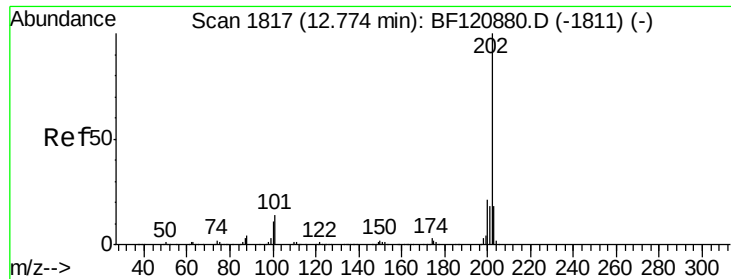


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

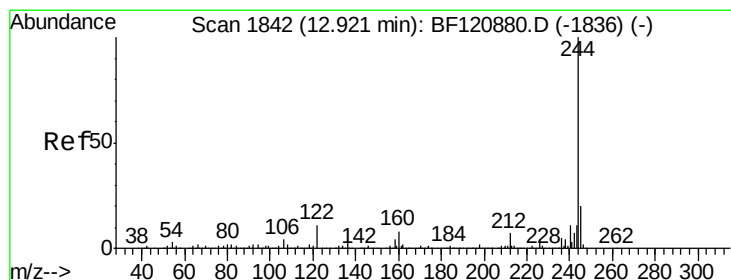
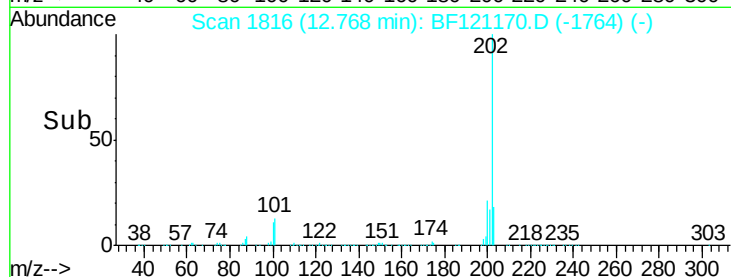
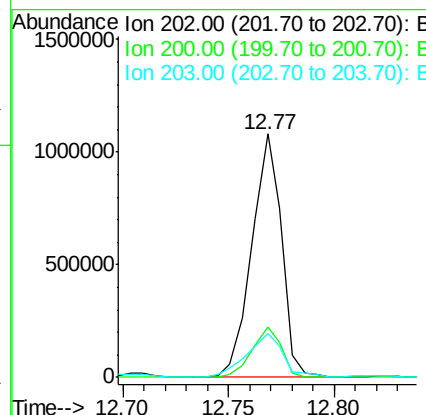
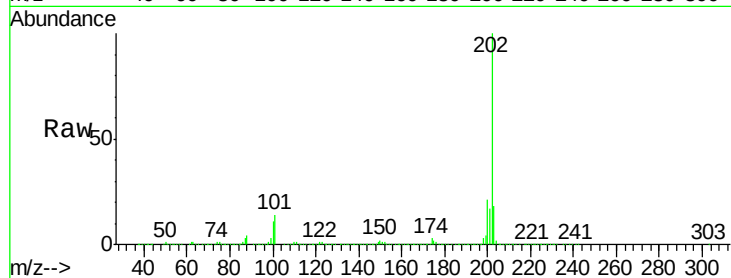




#78
Pvrene
Concen: 44.967 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF121170.D
Acq: 31 Jul 2020 20:53

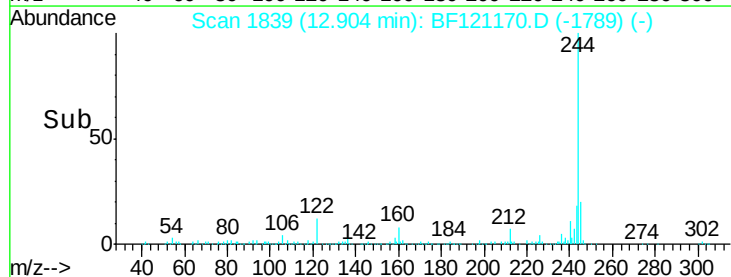
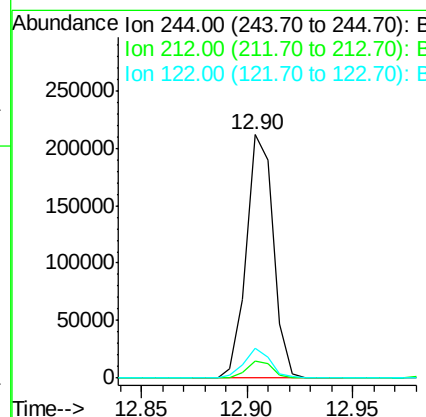
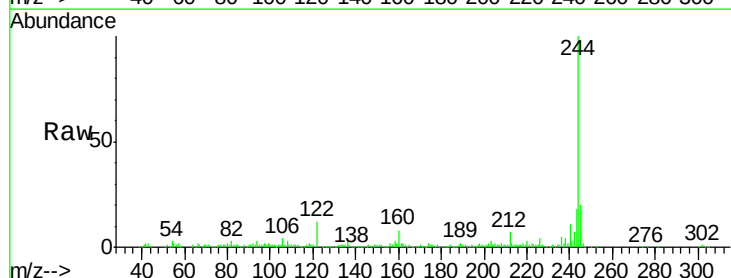
Instrument :
BNA_F
ClientSampleId :
HD-02-072920

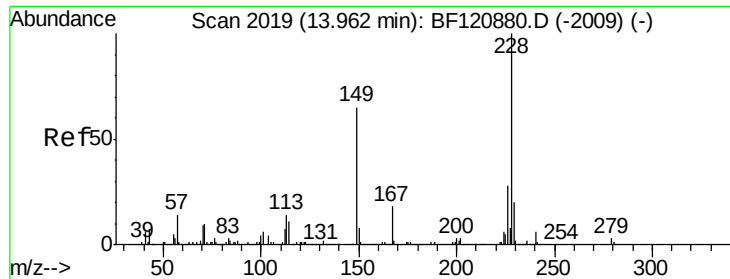
Tot Ion:202 Resp: 1057600
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 18.0 14.6 21.8



#79
Terphenyl-d14
Concen: 12.269 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF121170.D
Acq: 31 Jul 2020 20:53

Tgt Ion:244 Resp: 187757
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 12.1 8.3 12.5

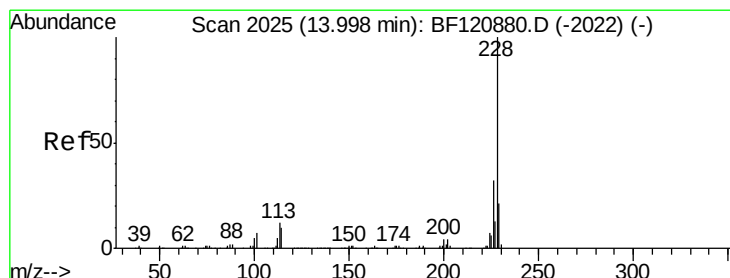
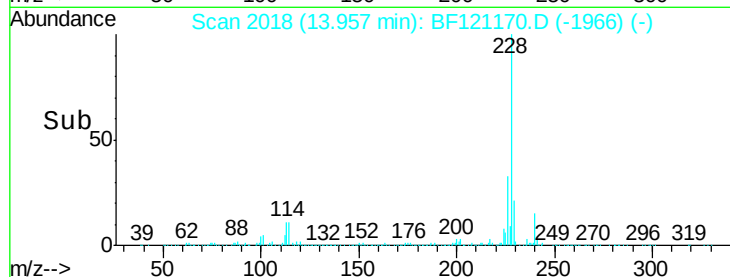
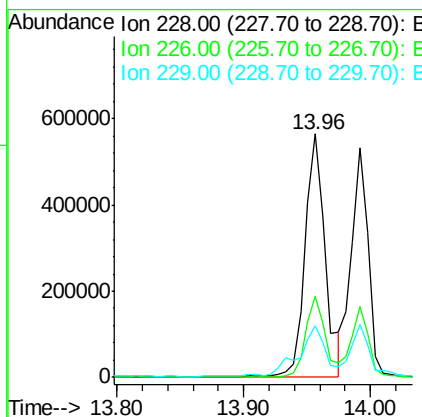
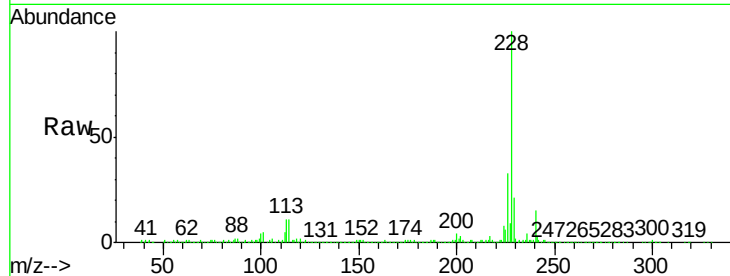




#81
Benzo(a)anthracene
Concen: 30.720 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF121170.D
Acq: 31 Jul 2020 20:53

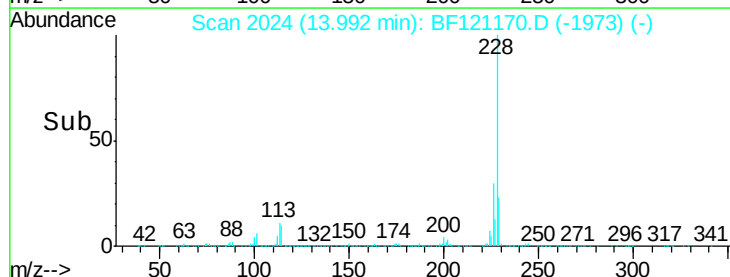
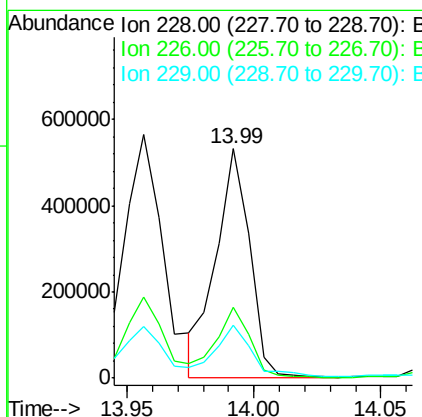
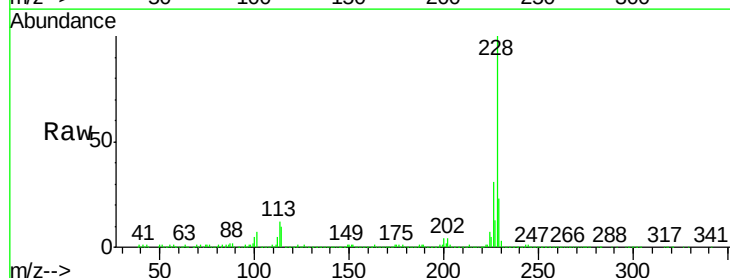
Instrument :
BNA_F
ClientSampleId :
HD-02-072920

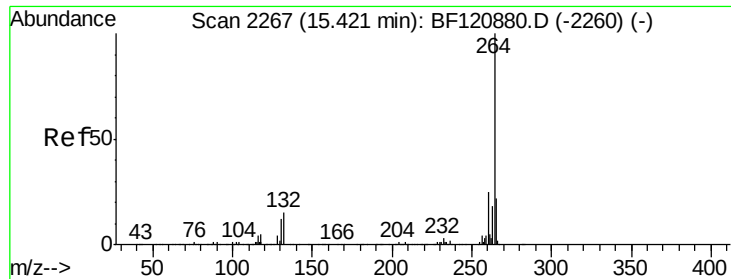
Tot Ion:228 Resp: 618841
Ion Ratio Lower Upper
228 100
226 33.1 22.6 34.0
229 21.2 16.1 24.1



#83
Chrysene
Concen: 23.167 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BF121170.D
Acq: 31 Jul 2020 20:53

Tgt Ion:228 Resp: 490435
Ion Ratio Lower Upper
228 100
226 30.7 25.4 38.0
229 23.3 16.2 24.4

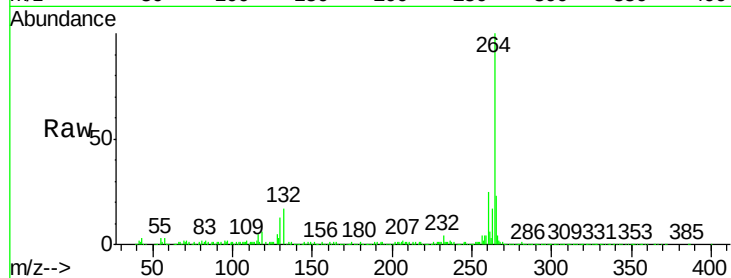




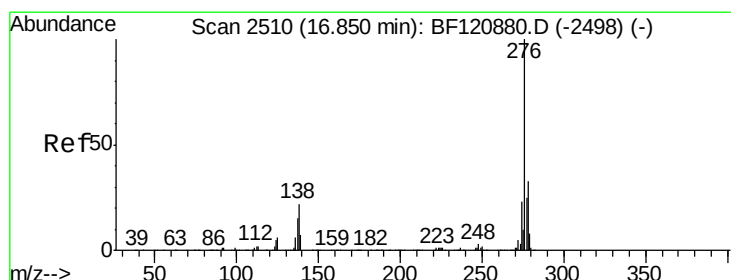
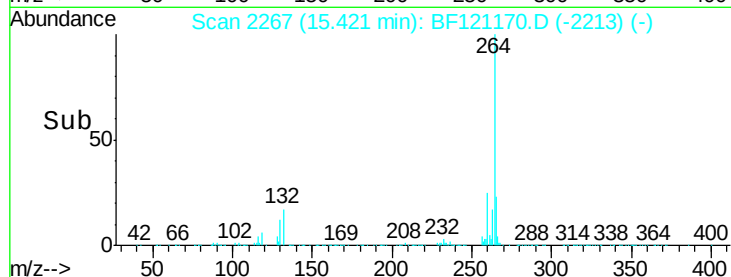
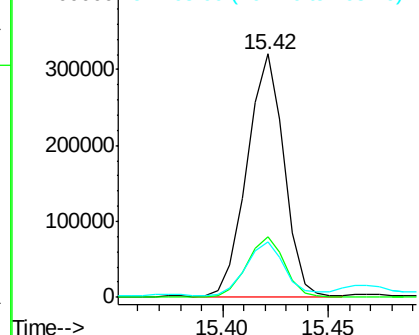
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.02 min
Lab File: BF121170.D
Acq: 31 Jul 2020 20:53

Instrument :
BNA_F
ClientSampleId :
HD-02-072920

Tot Ion:264 Resp: 386883
Ion Ratio Lower Upper
264 100
260 24.9 19.9 29.9
265 23.0 17.8 26.8

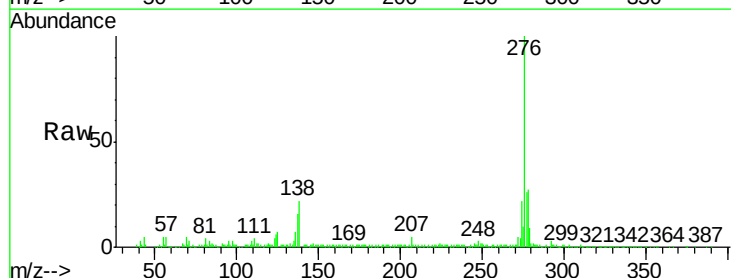


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

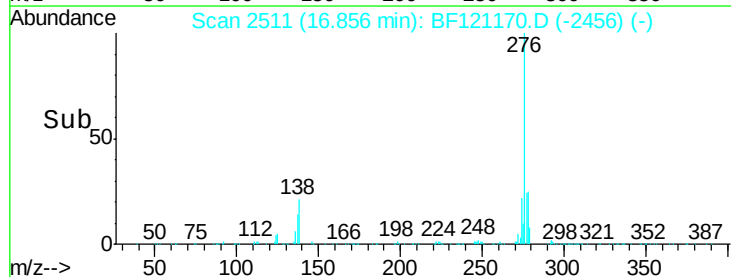
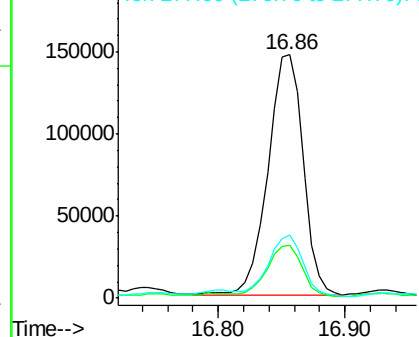


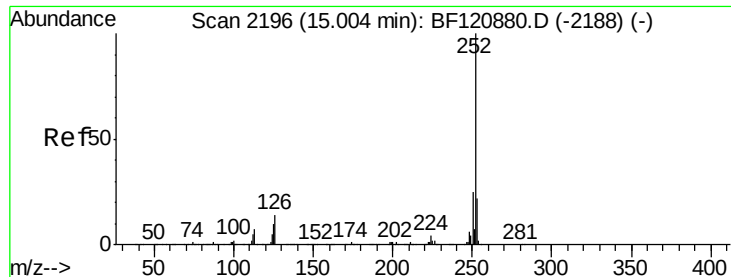
#87
Indeno(1,2,3-cd)pyrene
Concen: 10.482 ng
RT: 16.86 min Scan# 2511
Delta R.T. 0.02 min
Lab File: BF121170.D
Acq: 31 Jul 2020 20:53

Tgt Ion:276 Resp: 282039
Ion Ratio Lower Upper
276 100
138 21.1 19.3 28.9
277 25.0 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

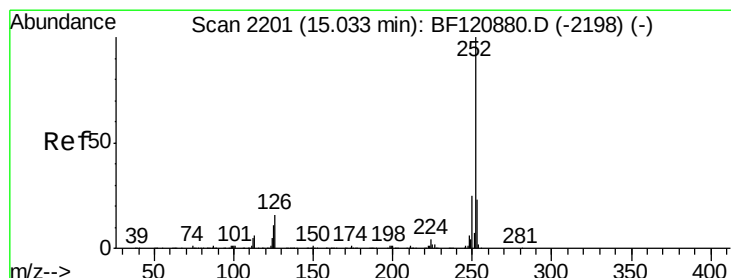
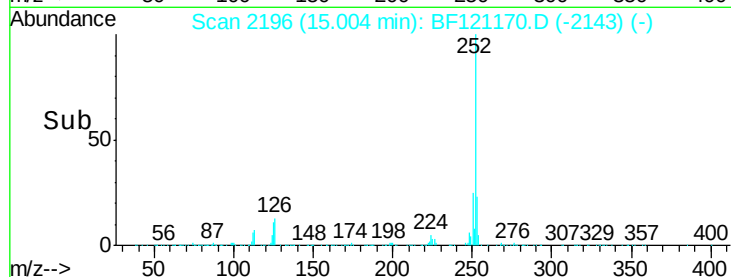
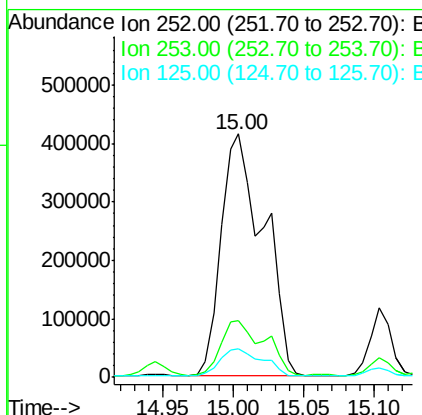
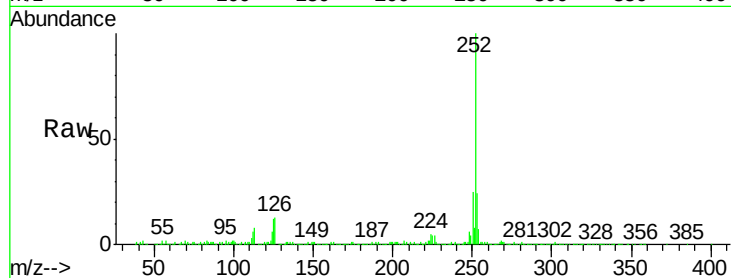




#88
Benzo(b)fluoranthene
Concen: 37.553 ng
RT: 15.00 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF121170.D
Acq: 31 Jul 2020 20:53

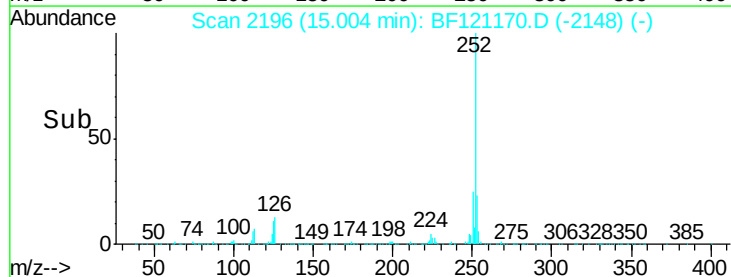
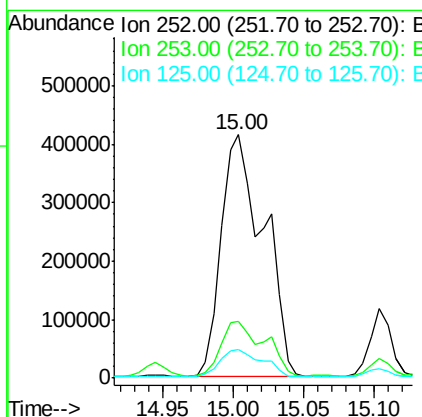
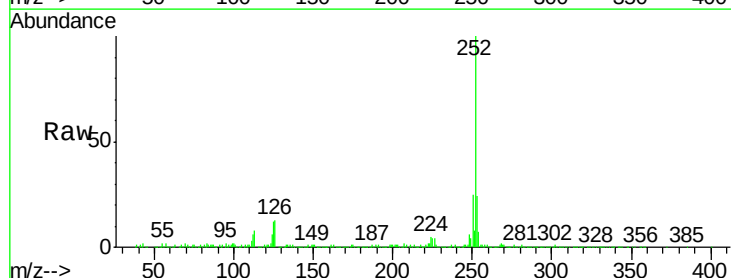
Instrument :
BNA_F
ClientSampleId :
HD-02-072920

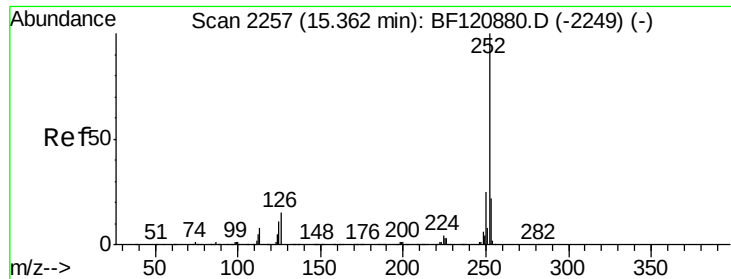
Tot Ion:252 Resp: 878202
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 11.6 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 41.177 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF121170.D
Acq: 31 Jul 2020 20:53

Tgt Ion:252 Resp: 878202
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 11.6 8.0 12.0





#90

Benzo(a)pyrene

Concen: 22.835 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.02 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

Instrument :

BNA_F

ClientSampleId :

HD-02-072920

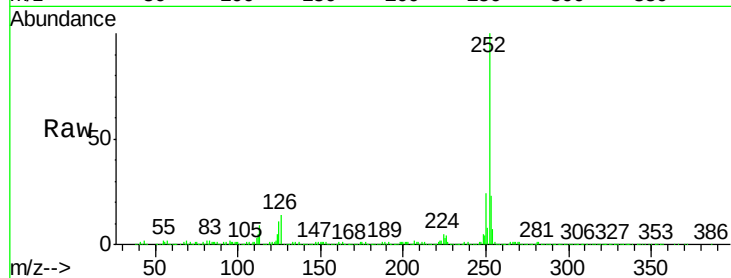
Tot Ion:252 Resp: 487214

Ion Ratio Lower Upper

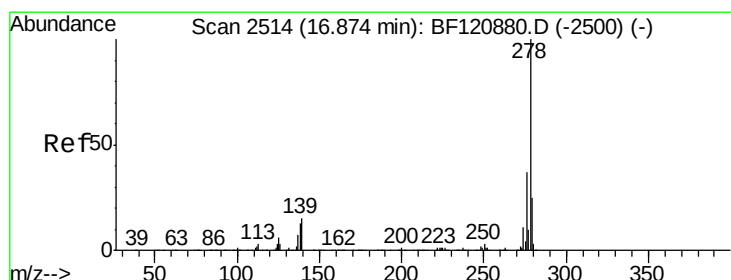
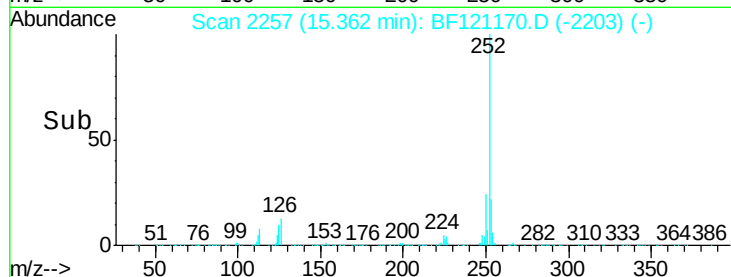
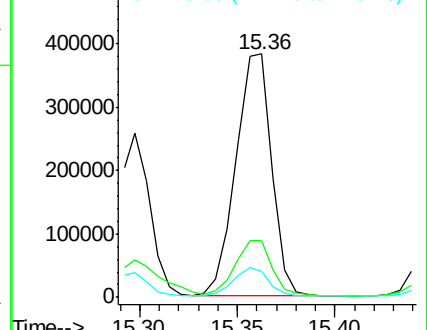
252 100

253 23.2 18.0 27.0

125 10.7 9.5 14.3



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 2.795 ng

RT: 16.67 min Scan# 2479

Delta R.T. -0.18 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

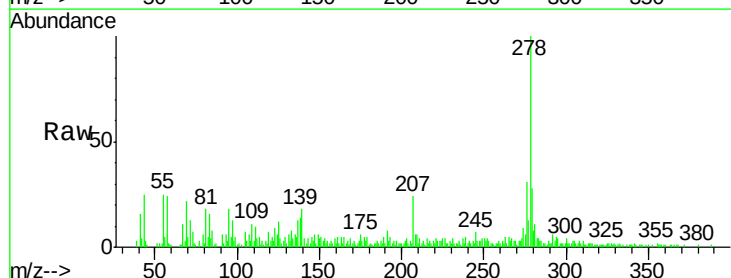
Tgt Ion:278 Resp: 61433

Ion Ratio Lower Upper

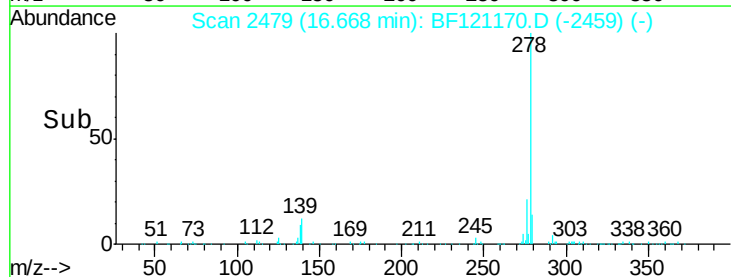
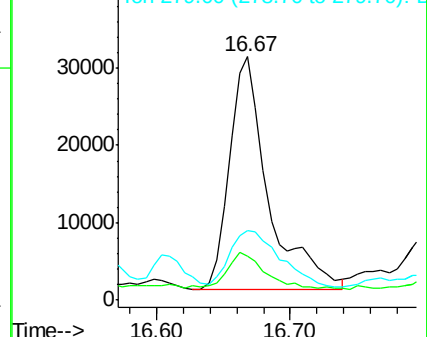
278 100

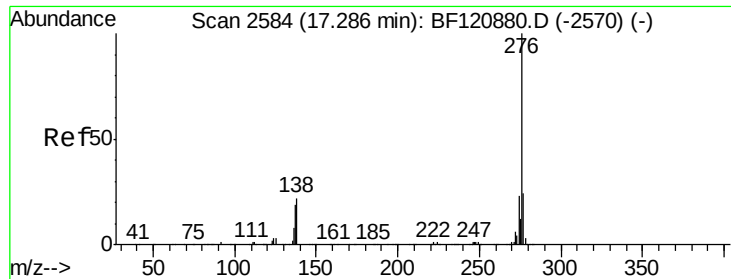
139 17.8 12.6 18.8

279 28.4 19.5 29.3



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 11.065 ng

RT: 17.29 min Scan# 2585

Delta R.T. 0.03 min

Lab File: BF121170.D

Acq: 31 Jul 2020 20:53

Instrument :

BNA_F

ClientSampleId :

HD-02-072920

Tot Ion:276 Resp: 239781

Ion Ratio Lower Upper

276 100

277 24.7 19.4 29.0

138 21.5 17.2 25.8

