

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
 Data File : BF115531.D
 Acq On : 12 Jul 2019 17:30
 Operator : HP/JU
 Sample : K3626-05 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 13 00:10:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	157992	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	591128	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	255048	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	396534	20.00	ng	0.00
76) Chrysene-d12	14.04	240	308953	20.00	ng	0.00
87) Perylene-d12	15.52	264	367169	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	459933	47.62	ng	0.00
7) Phenol-d6	6.50	99	583654	47.62	ng	-0.01
23) Nitrobenzene-d5	7.44	82	348679	34.30	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	114136	38.34	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	647571	44.44	ng	-0.01
79) Terphenyl-d14	12.99	244	524383	31.32	ng	-0.01

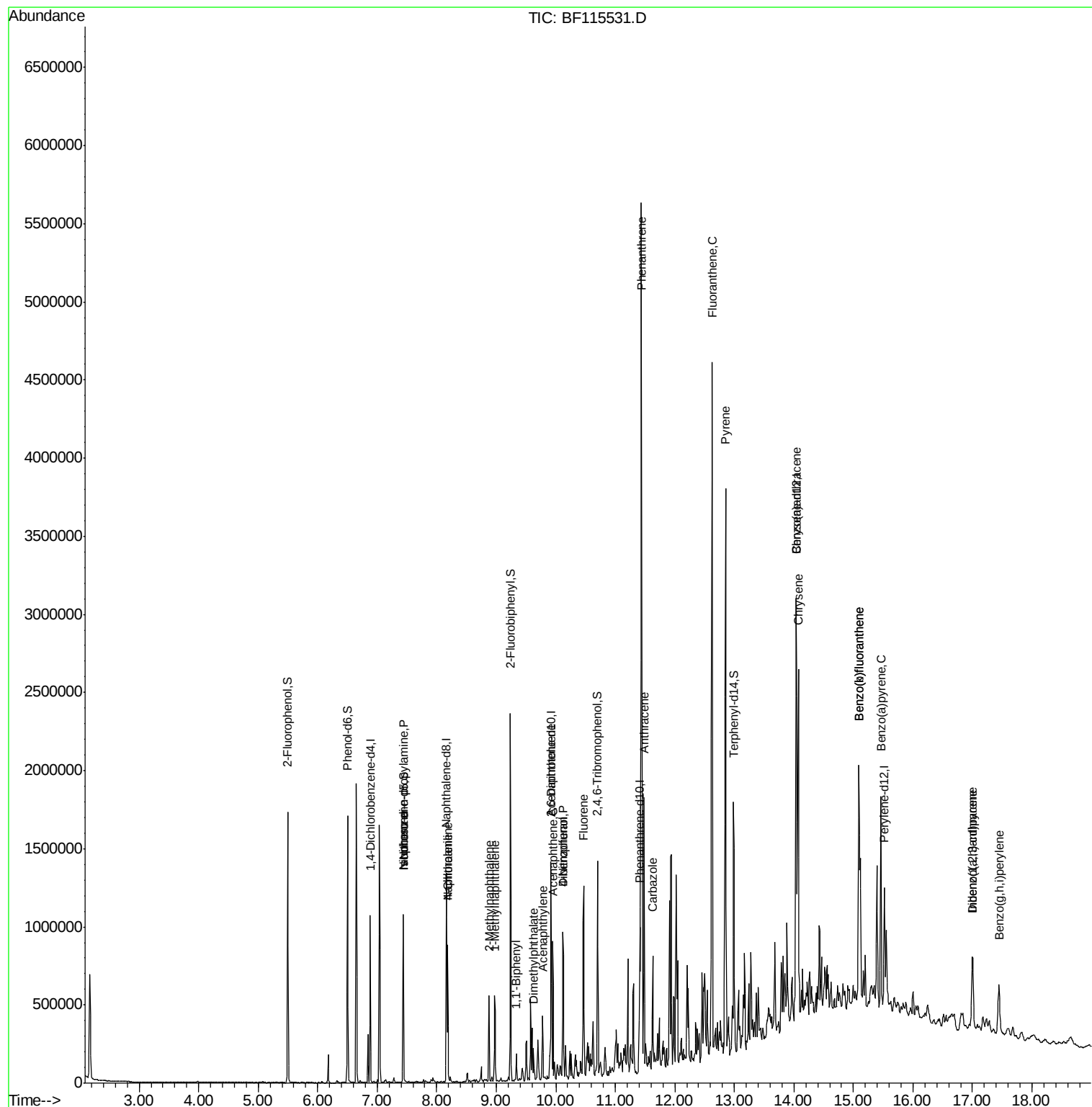
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	44730	5.596	ng	# 77
25) Isophorone	7.44	82	344937	16.956	ng	# 64
31) Naphthalene	8.19	128	343707	12.006	ng	# 96
33) 4-Chloroaniline	8.19	127	44455	3.506	ng	# 34
37) 2-Methylnaphthalene	8.88	142	151771	7.998	ng	# 97
38) 1-Methylnaphthalene	8.97	142	140998	7.822	ng	# 99
46) 1,1'-Biphenyl	9.34	154	42201	2.116	ng	# 94
49) Acenaphthylene	9.78	152	109348	4.445	ng	# 95
50) Dimethylphthalate	9.63	163	72583	3.783	ng	# 99
51) 2,6-Dinitrotoluene	9.92	165	40844	9.366	ng	# 28
52) Acenaphthene	9.95	154	162509	10.232	ng	# 97
55) Dibenzofuran	10.12	168	298220	13.222	ng	# 98
56) 4-Nitrophenol	10.12	139	109058	28.699	ng	# 12
58) Fluorene	10.47	166	328627	20.381	ng	# 98
71) Phenanthrene	11.44	178	2362539	116.233	ng	# 99
72) Anthracene	11.49	178	701802	33.409	ng	# 98
73) Carbazole	11.63	167	287586	15.612	ng	# 97
75) Fluoranthene	12.63	202	1909081	88.881	ng	# 98
78) Pvrene	12.86	202	1728364	66.029	ng	# 98
81) Benzo(a)anthracene	14.04	228	942385	46.300	ng	# 99
83) Chrysene	14.07	228	842136	41.215	ng	# 96
86) Indeno(1,2,3-cd)pyrene	17.00	276	325968	18.778	ng	# 95
88) Benzo(b)fluoranthene	15.09	252	1251739	52.944	ng	# 99
89) Benzo(k)fluoranthene	15.09	252	1251739	59.384	ng	# 99
90) Benzo(a)pyrene	15.46	252	663072	32.630	ng	# 99
91) Dibenzo(a,h)anthracene	17.01	278	94918	5.321	ng	# 95
92) Benzo(g,h,i)perylene	17.44	276	278464	15.651	ng	# 99

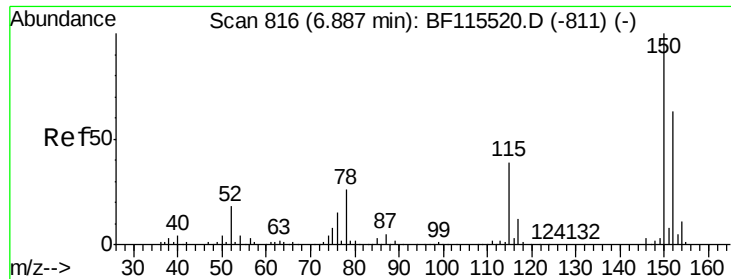
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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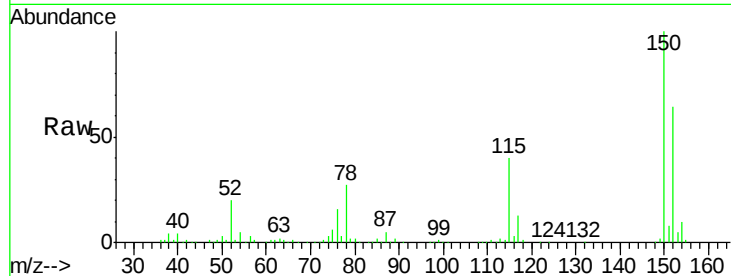


#1

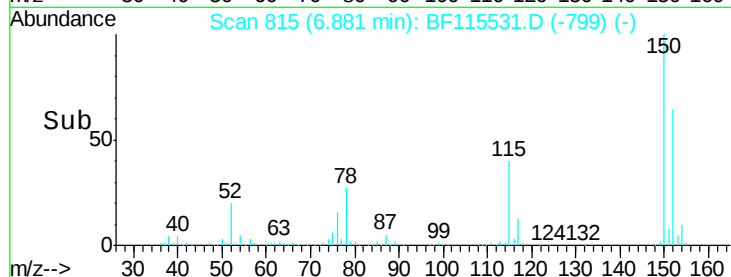
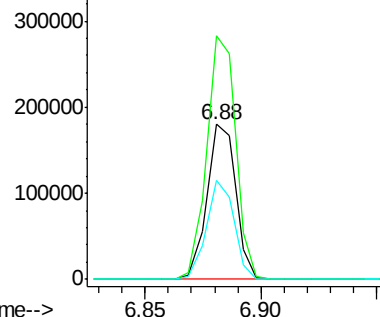
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 157992
Ion Ratio Lower Upper
152 100
150 157.0 129.7 194.5
115 63.4 48.2 72.4



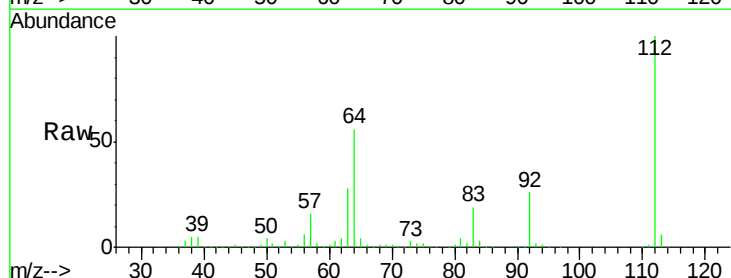
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



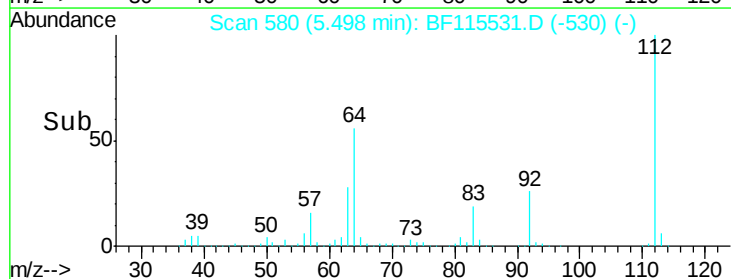
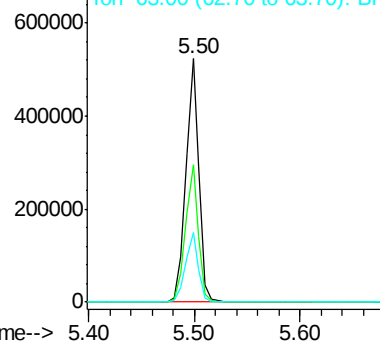
#5

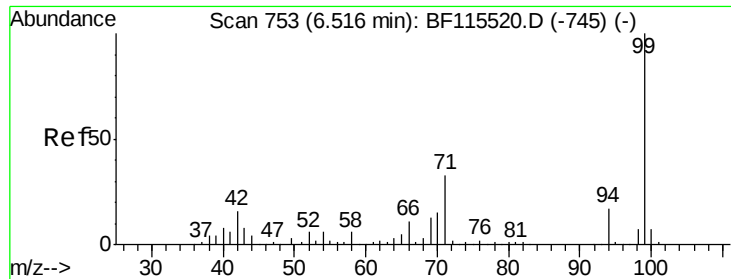
2-Fluorophenol
Concen: 47.617 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Tgt Ion:112 Resp: 459933
Ion Ratio Lower Upper
112 100
64 56.4 46.8 70.2
63 28.3 24.1 36.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 47.622 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Instrument :

BNA_F

ClientSampleId :

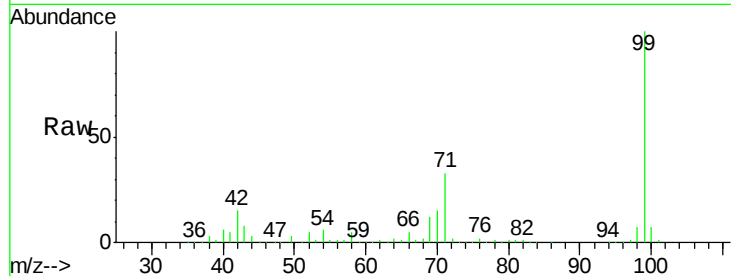
Tot Ion: 99 Resp: 583654

Ion Ratio Lower Upper

99 100

42 15.0 13.6 20.4

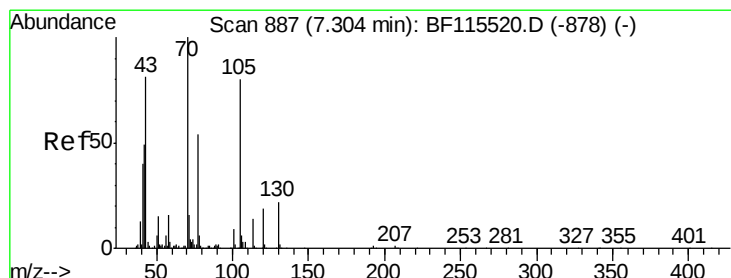
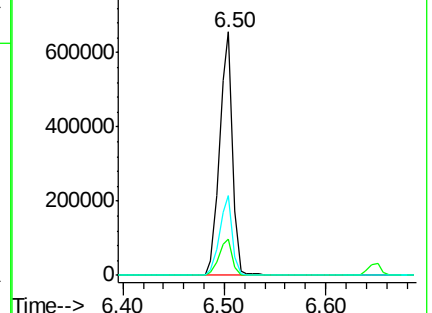
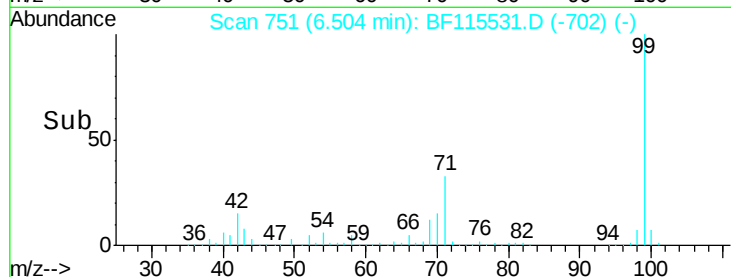
71 32.6 28.5 42.7



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: 5.596 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Tgt Ion: 70 Resp: 44730

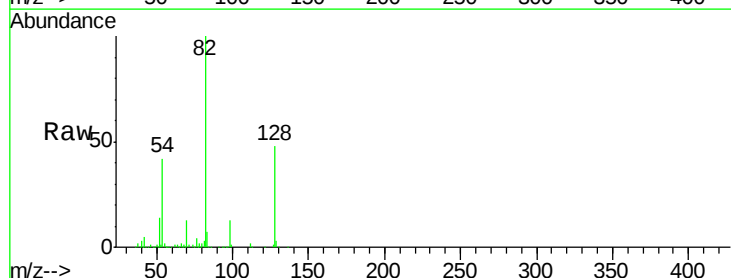
Ion Ratio Lower Upper

70 100

42 40.1 39.6 59.4

101 0.0 8.1 12.1#

130 2.6 18.2 27.2#

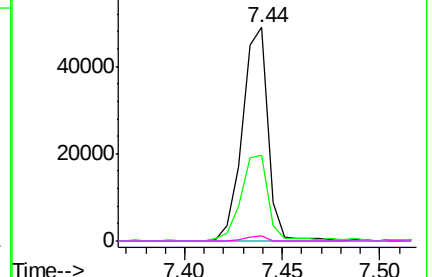
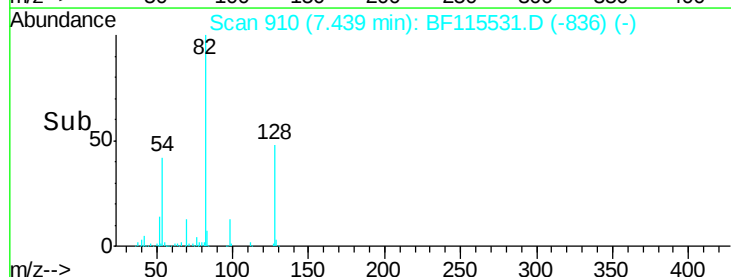


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

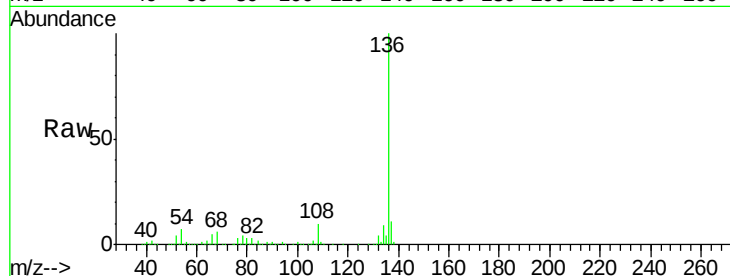




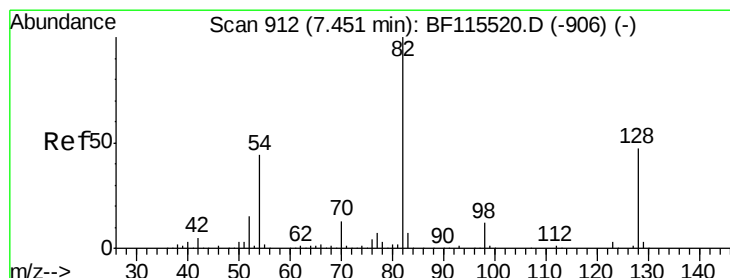
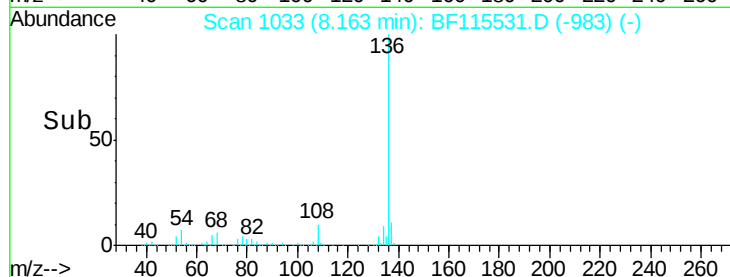
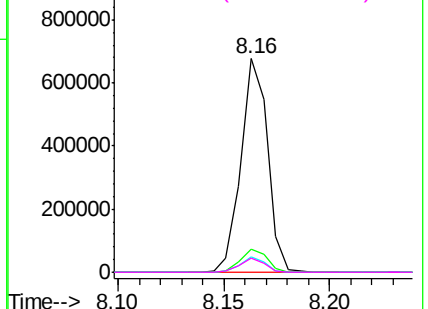
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	591128
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.0 13.4
54	7.1	5.6 8.4
68	6.3	5.0 7.6

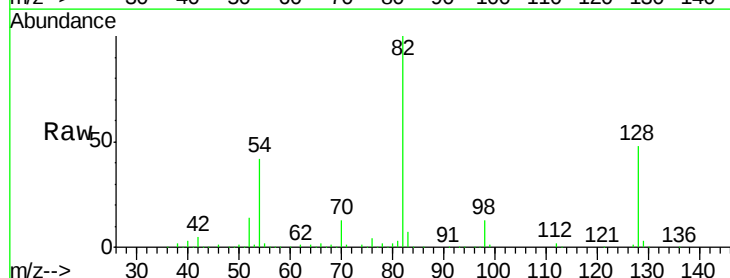


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

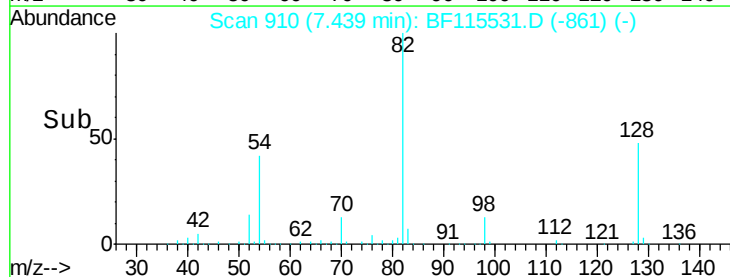
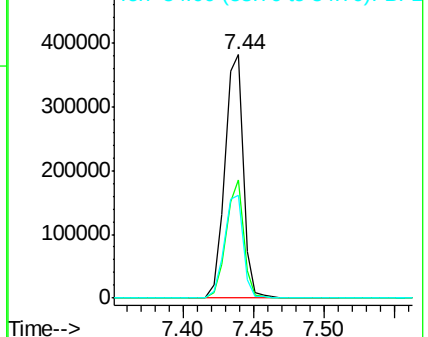


#23
Nitrobenzene-d5
Concen: 34.298 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Tgt Ion: 82	Resp:	348679
Ion Ratio	Lower	Upper
82	100	
128	48.3	38.6 57.8
54	42.3	35.6 53.4



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





#25

Isophorone

Concen: 16.956 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Instrument :

BNA_F

ClientSampleId :

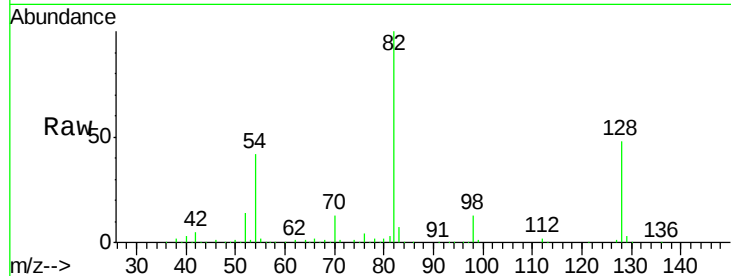
Tot Ion: 82 Resp: 344937

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

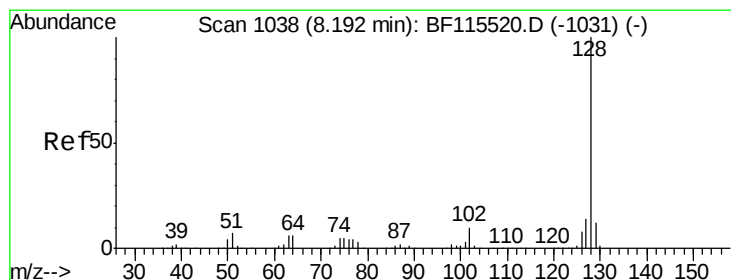
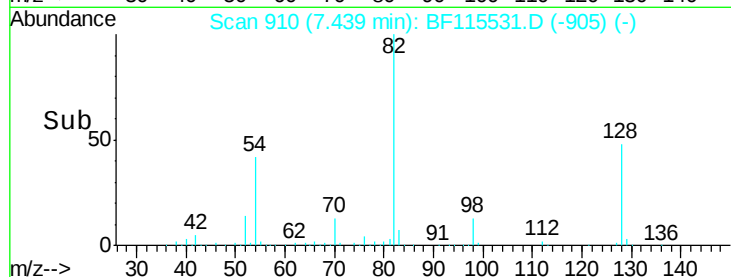
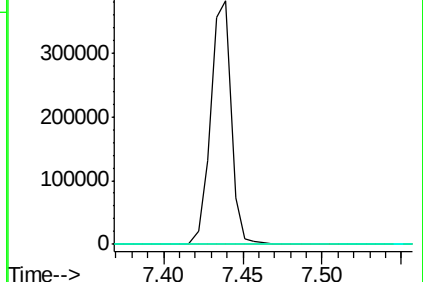
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 12.006 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

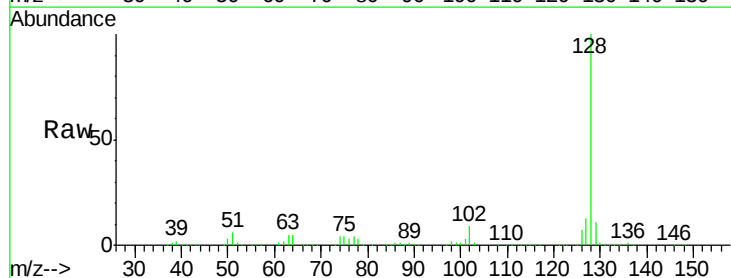
Tgt Ion: 128 Resp: 343707

Ion Ratio Lower Upper

128 100

129 11.0 9.9 14.9

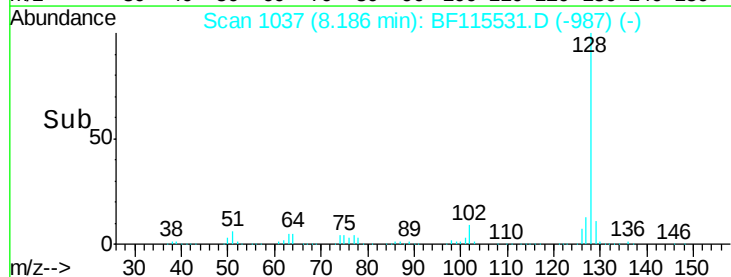
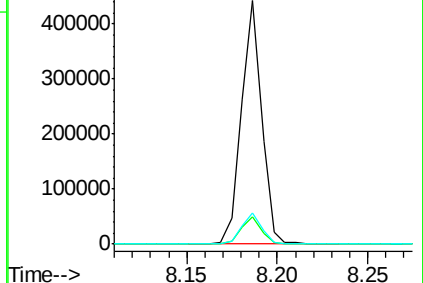
127 13.0 12.1 18.1

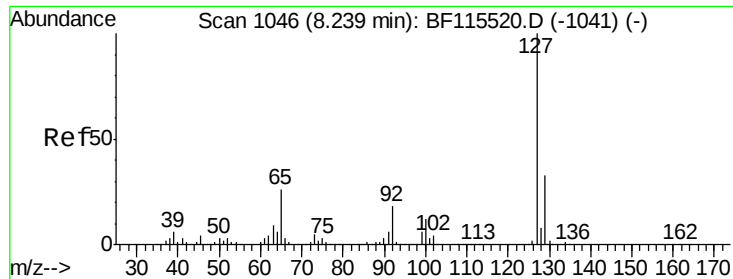


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

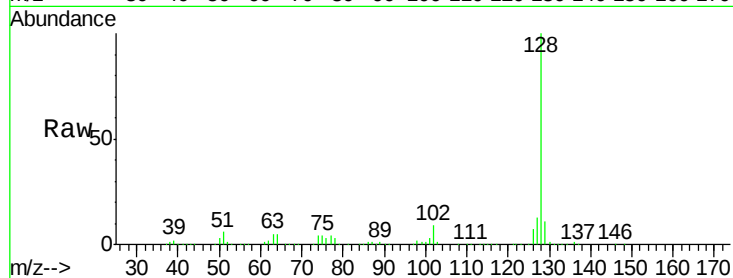




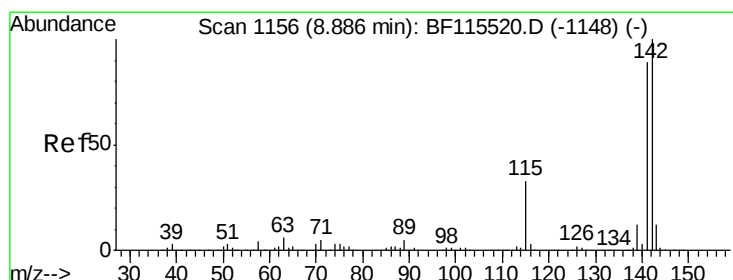
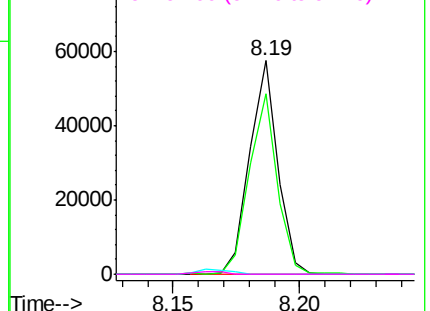
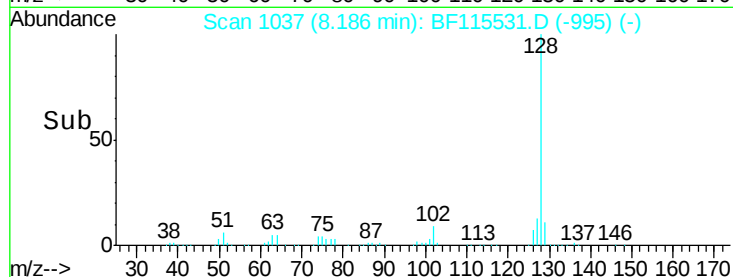
#33
4-Chloroaniline
Concen: 3.506 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.05 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:127	Resp:	44455
Ion Ratio	Lower	Upper
127	100	
129	84.3	26.6 39.8#
65	0.0	23.7 35.5#
92	0.0	15.8 23.8#

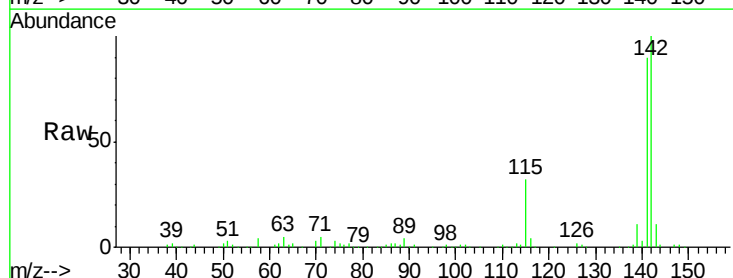


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

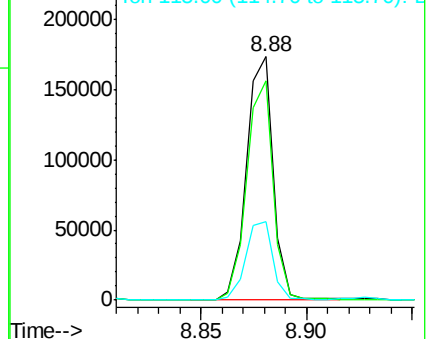
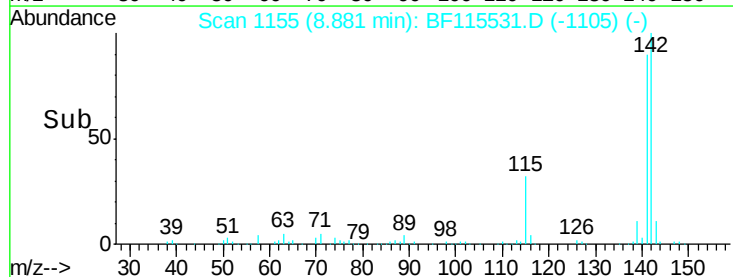


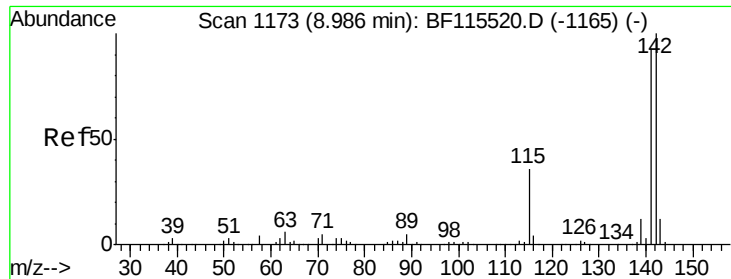
#37
2-Methylnaphthalene
Concen: 7.998 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Tgt Ion:142	Resp:	151771
Ion Ratio	Lower	Upper
142	100	
141	89.9	72.0 108.0
115	32.2	29.9 44.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

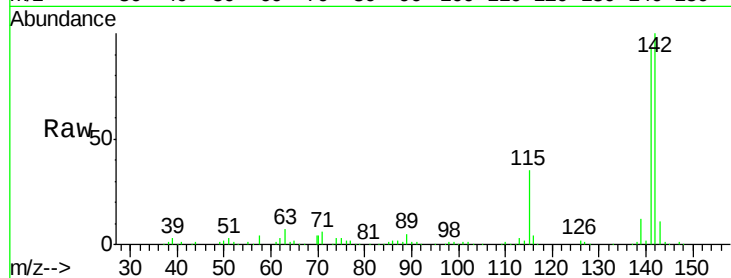




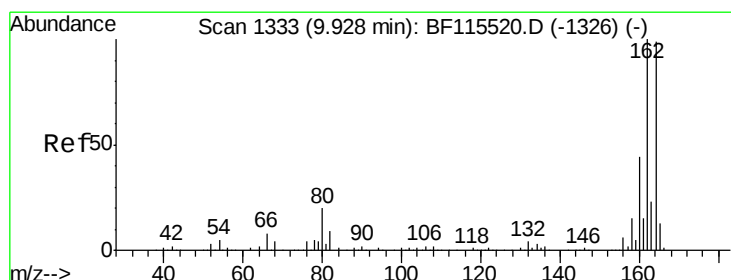
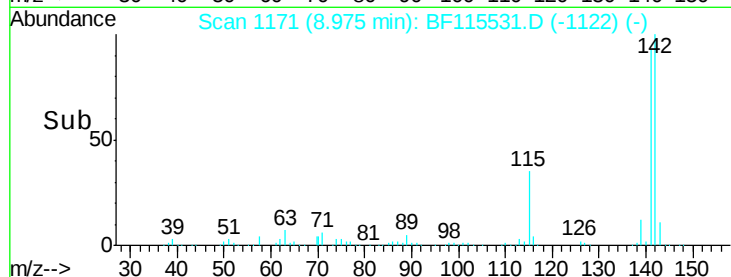
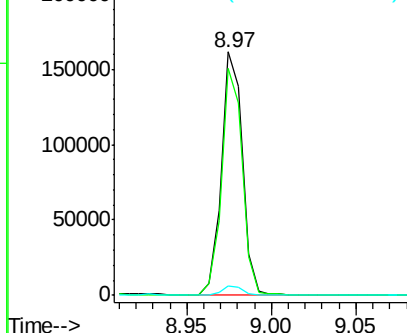
#38
 1-Methylnaphthalene
 Concen: 7.822 ng
 RT: 8.97 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BF115531.D
 Acq: 12 Jul 2019 17:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:142 Resp: 140998
 Ion Ratio Lower Upper
 142 100
 141 93.2 75.3 112.9
 116 4.0 3.3 4.9

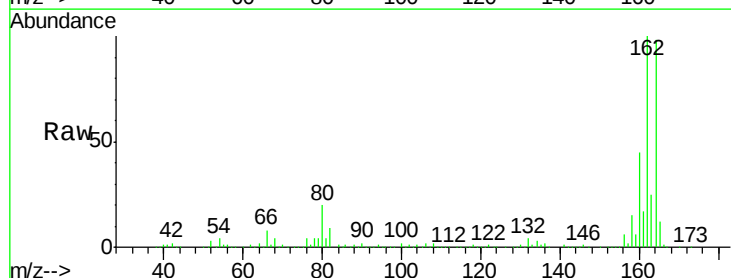


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

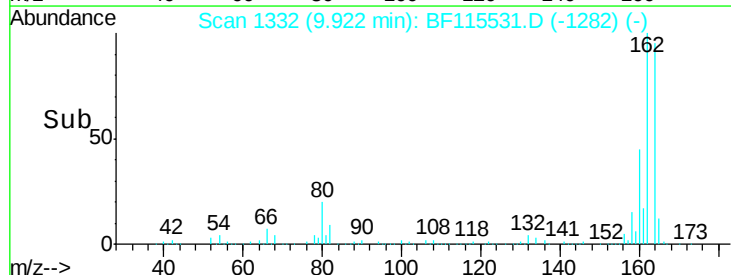
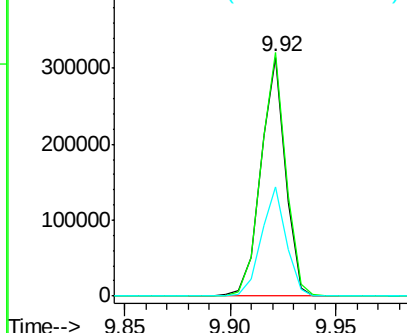


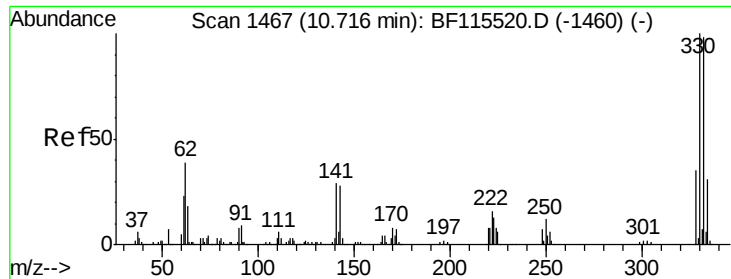
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF115531.D
 Acq: 12 Jul 2019 17:30

Tgt Ion:164 Resp: 255048
 Ion Ratio Lower Upper
 164 100
 162 102.0 82.9 124.3
 160 45.8 36.8 55.2



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: 38.339 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Instrument :

BNA_F

ClientSampleId :

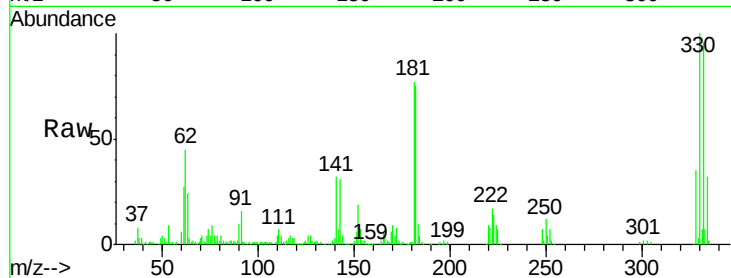
Tot Ion:330 Resp: 114136

Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.2

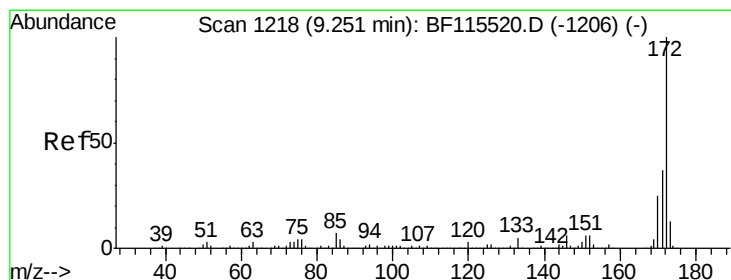
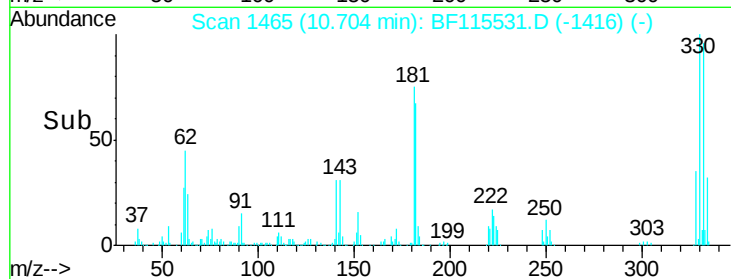
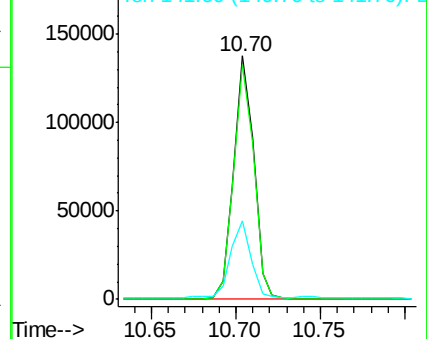
141 33.2 22.4 33.6



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: 44.440 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

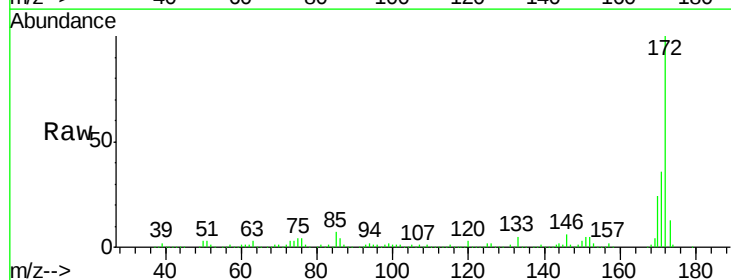
Tgt Ion:172 Resp: 647571

Ion Ratio Lower Upper

172 100

171 35.7 30.6 46.0

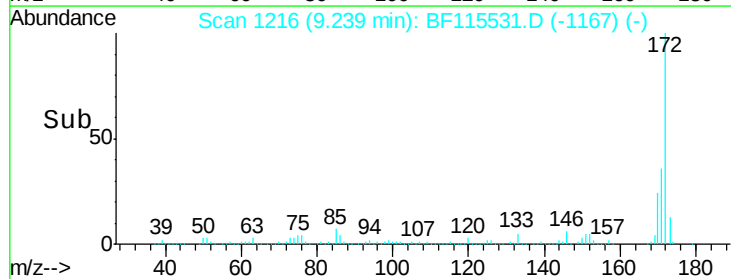
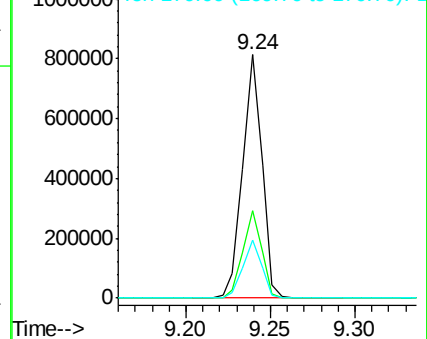
170 24.0 20.5 30.7

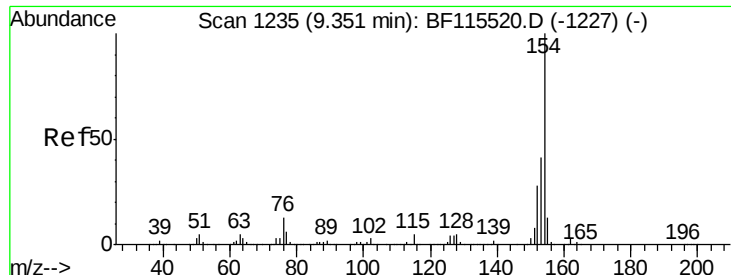


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

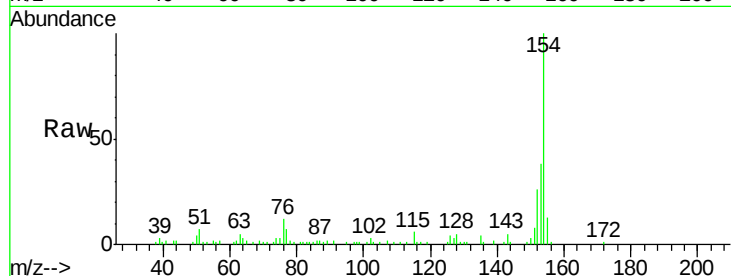




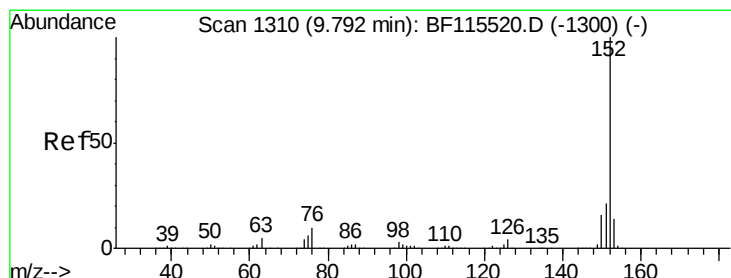
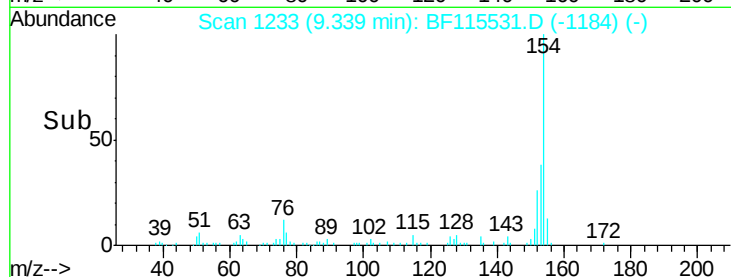
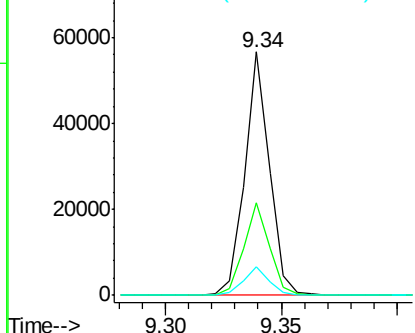
#46
1,1'-Biphenyl
Concen: 2.116 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:154 Resp: 42201
Ion Ratio Lower Upper
154 100
153 38.2 22.6 62.6
76 11.7 0.0 33.4

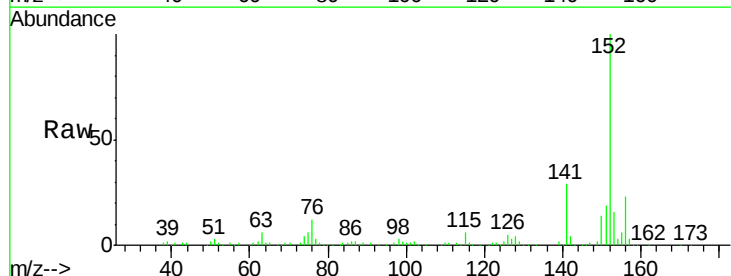


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

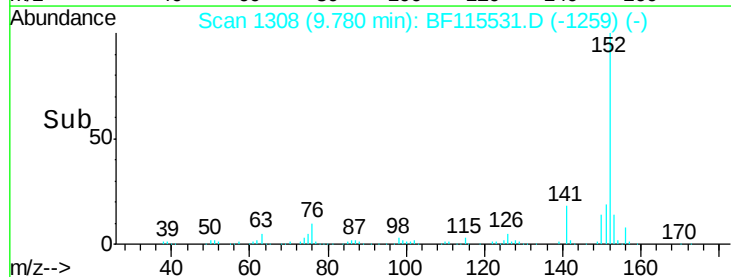
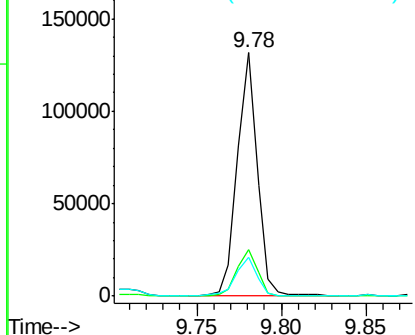


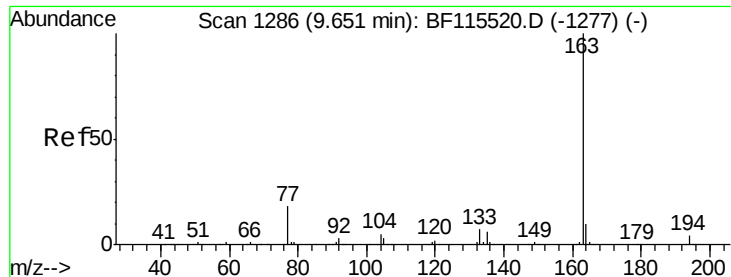
#49
Acenaphthylene
Concen: 4.445 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Tgt Ion:152 Resp: 109348
Ion Ratio Lower Upper
152 100
151 19.0 17.7 26.5
153 15.9 12.0 18.0



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: 3.783 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Instrument :

BNA_F

ClientSampleId :

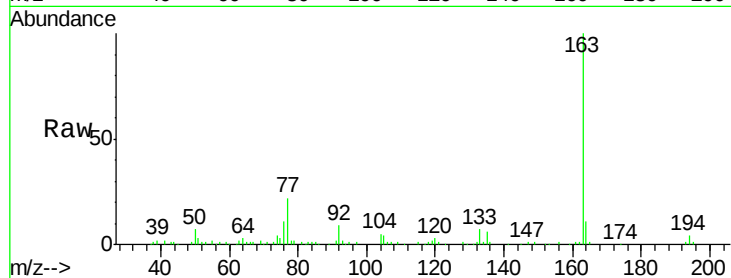
Tot Ion:163 Resp: 72583

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

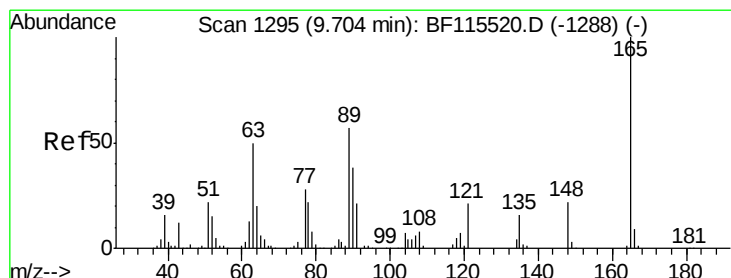
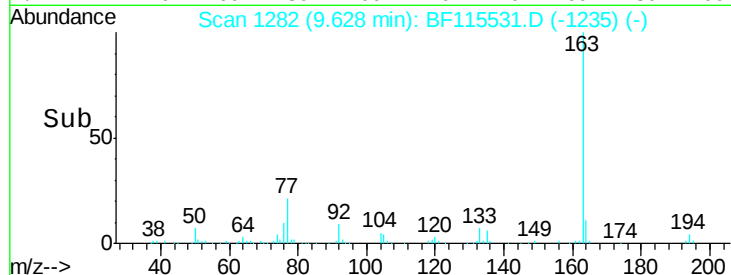
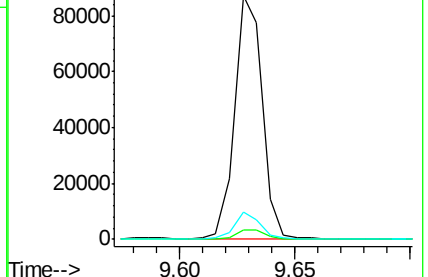
164 11.4 8.7 13.1



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: 9.366 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.22 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

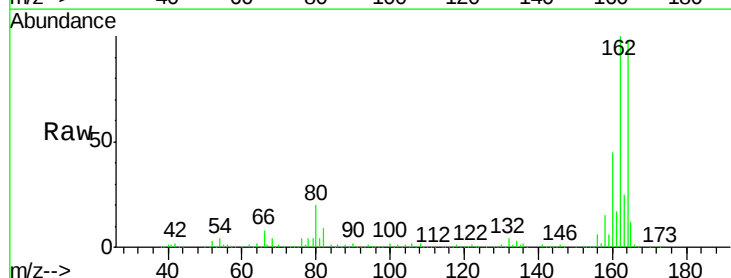
Tgt Ion:165 Resp: 40844

Ion Ratio Lower Upper

165 100

63 1.7 40.6 61.0#

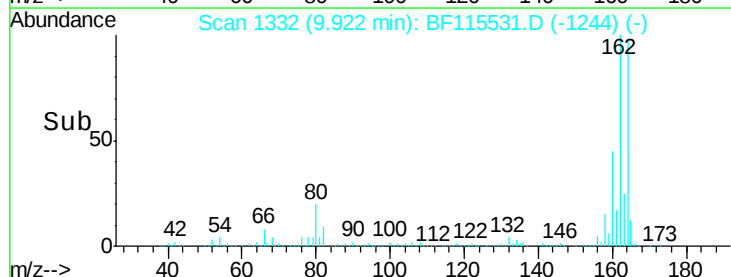
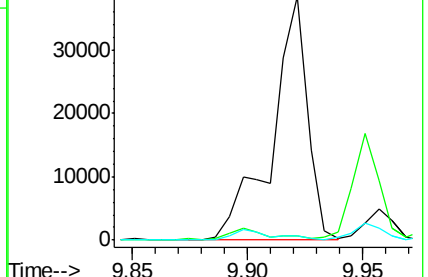
89 1.6 43.9 65.9#

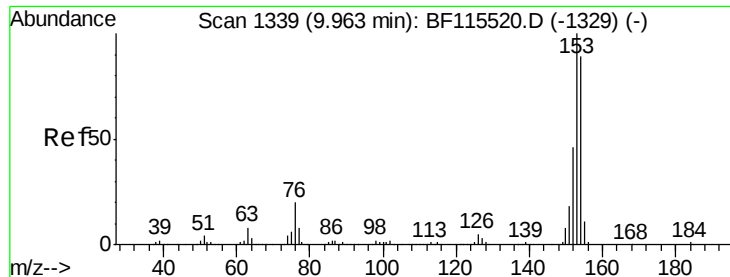


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 10.232 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Instrument :

BNA_F

ClientSampleId :

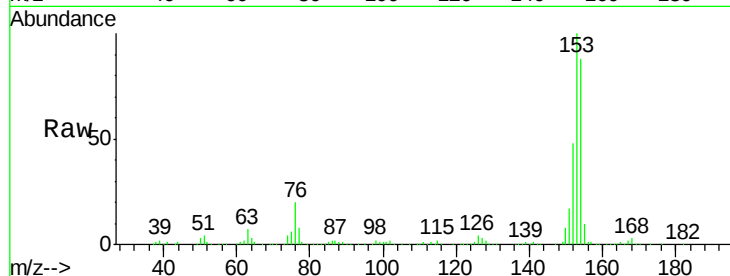
Tot Ion:154 Resp: 162509

Ion Ratio Lower Upper

154 100

153 113.8 88.6 133.0

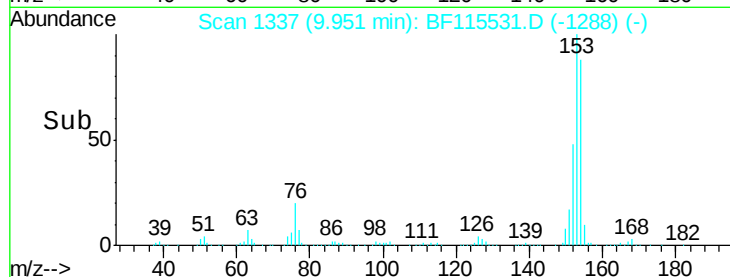
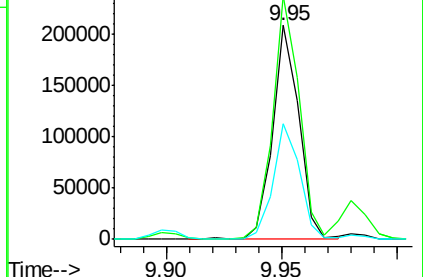
152 54.2 42.3 63.5



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

Dibenzofuran

Concen: 13.222 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

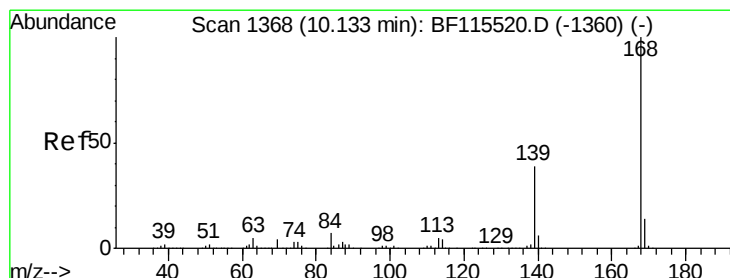
Tgt Ion:168 Resp: 298220

Ion Ratio Lower Upper

168 100

139 37.9 31.1 46.7

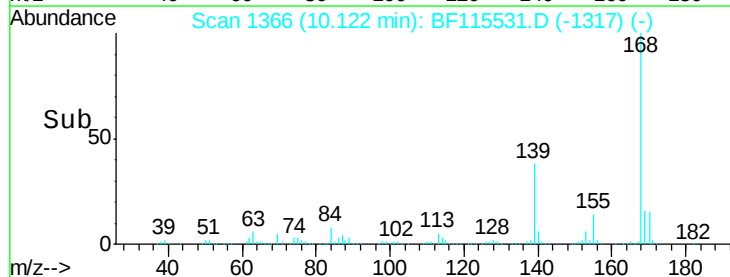
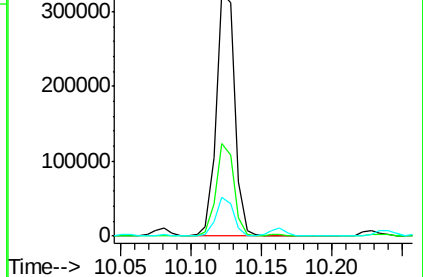
169 15.8 11.1 16.7

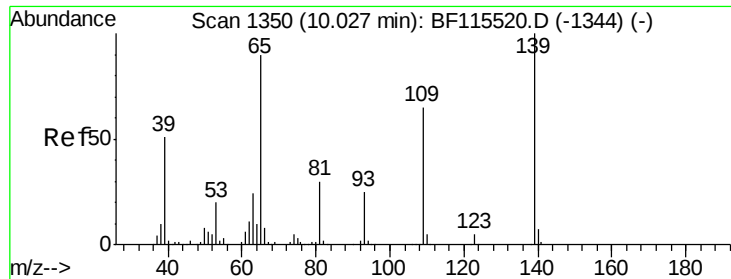


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

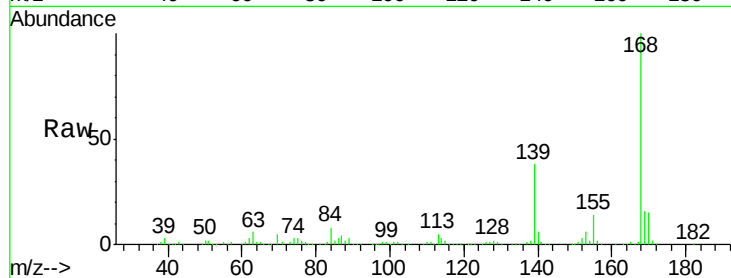




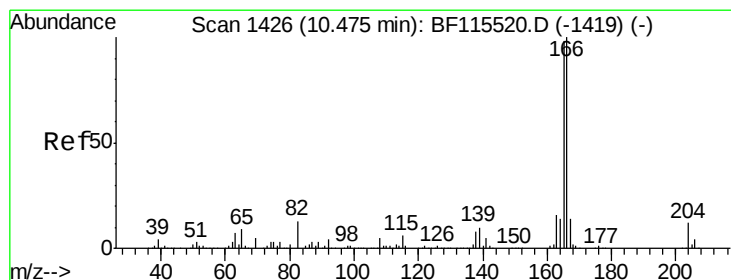
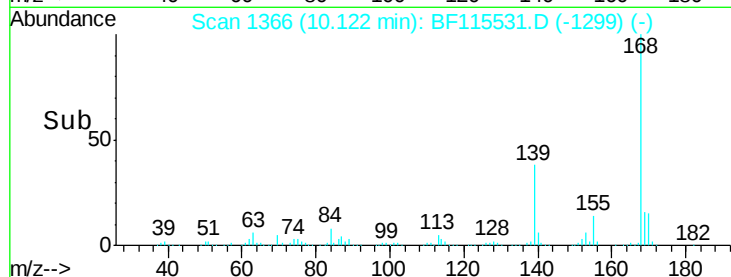
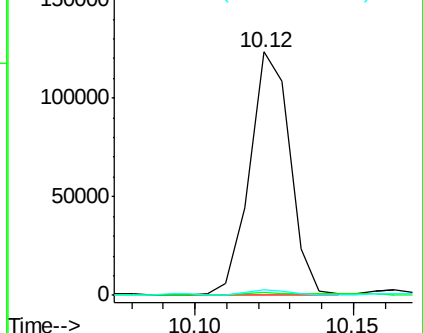
#56
4-Nitrophenol
Concen: 28.699 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.09 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 109058
Ion Ratio Lower Upper
139 100
109 1.0 46.4 86.4#
65 2.1 68.9 108.9#

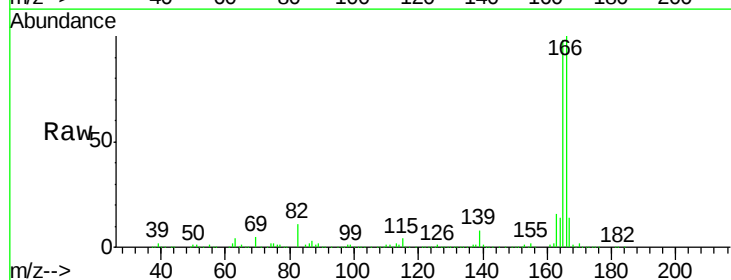


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

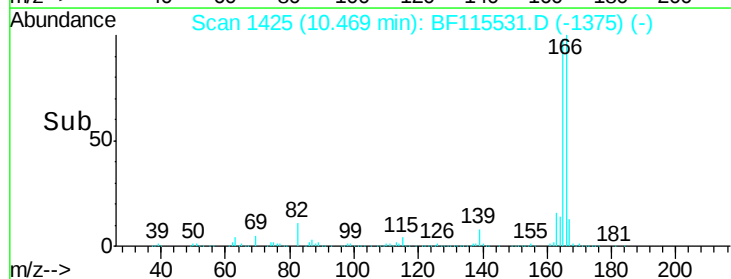
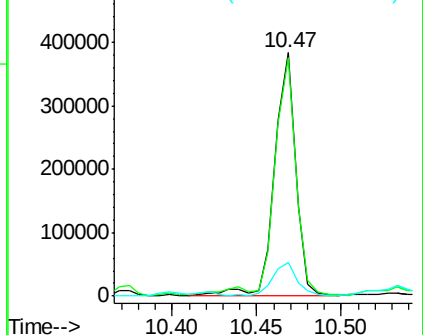


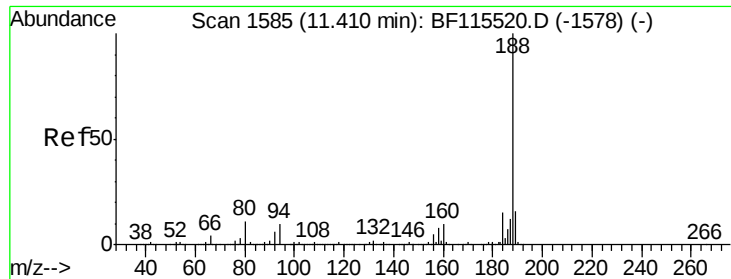
#58
Fluorene
Concen: 20.381 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Tgt Ion:166 Resp: 328627
Ion Ratio Lower Upper
166 100
165 97.7 79.8 119.6
167 13.8 11.2 16.8



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

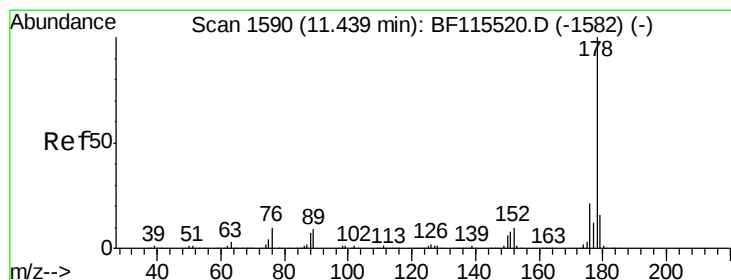
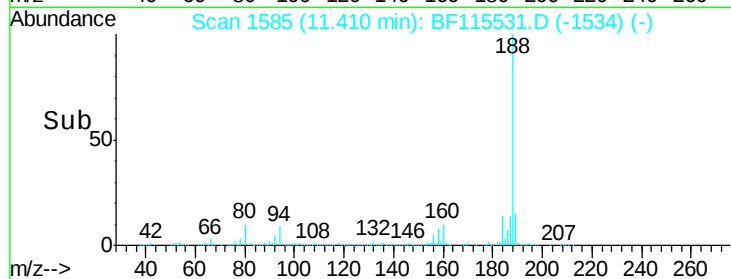
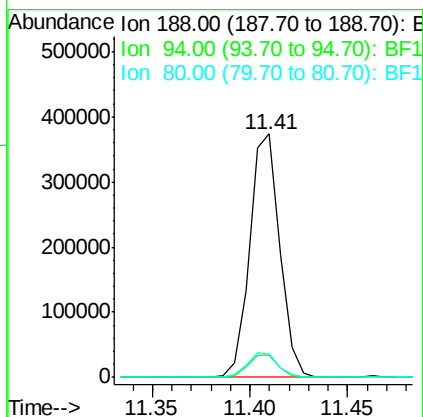
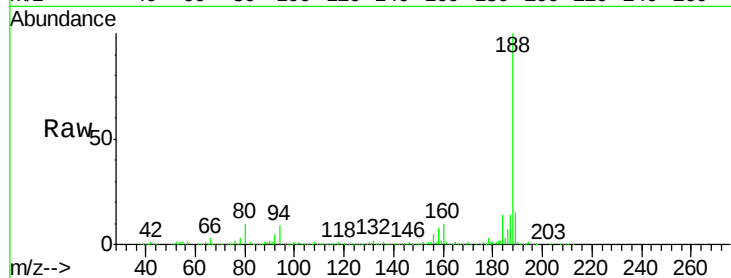




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

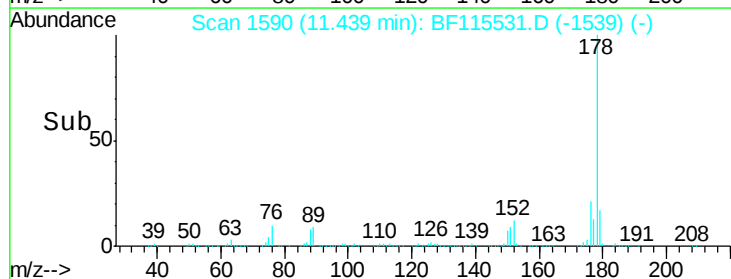
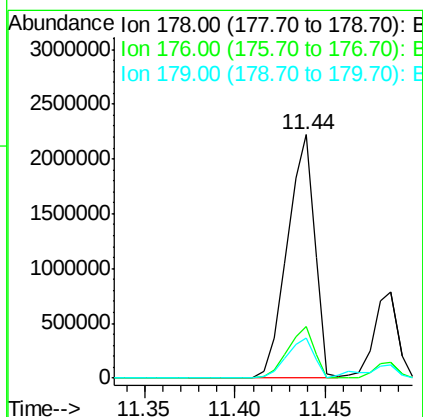
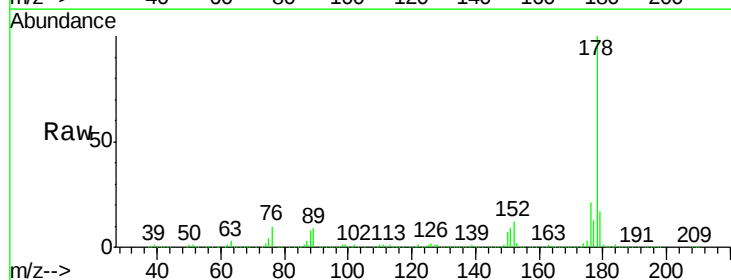
Instrument :
BNA_F
ClientSampled :

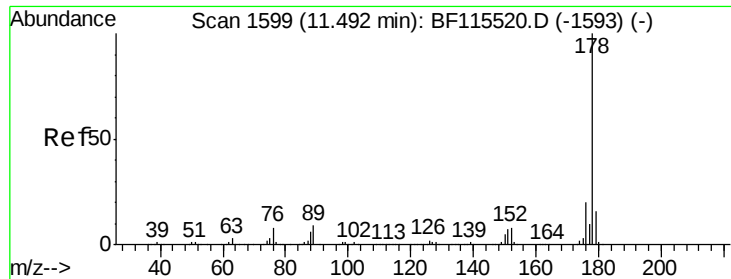
Tot Ion:188 Resp: 396534
Ion Ratio Lower Upper
188 100
94 9.1 7.8 11.6
80 9.8 8.6 13.0



#71
Phenanthrene
Concen: 116.233 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Tgt Ion:178 Resp: 2362539
Ion Ratio Lower Upper
178 100
176 21.1 17.2 25.8
179 16.7 13.5 20.3





#72

Anthracene

Concen: 33.409 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Instrument :

BNA_F

ClientSampleId :

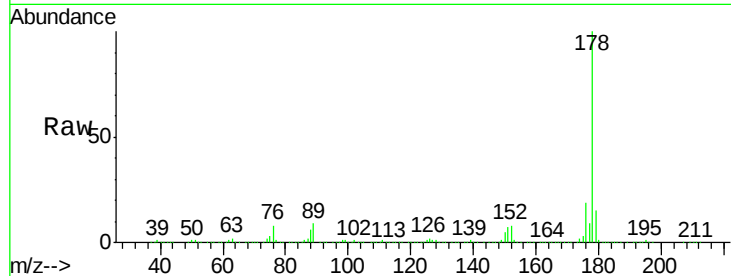
Tot Ion:178 Resp: 701802

Ion Ratio Lower Upper

178 100

176 18.8 15.9 23.9

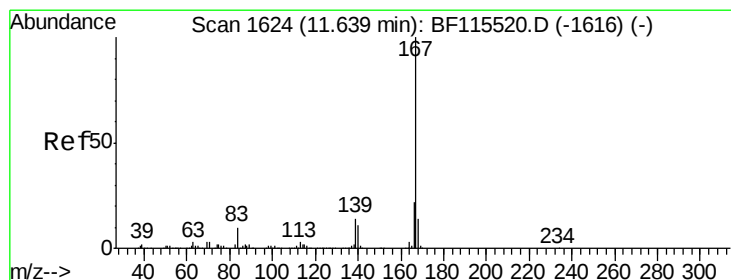
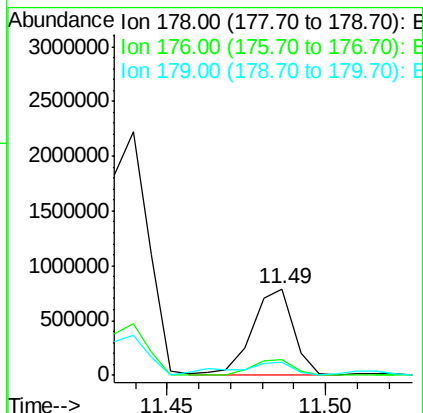
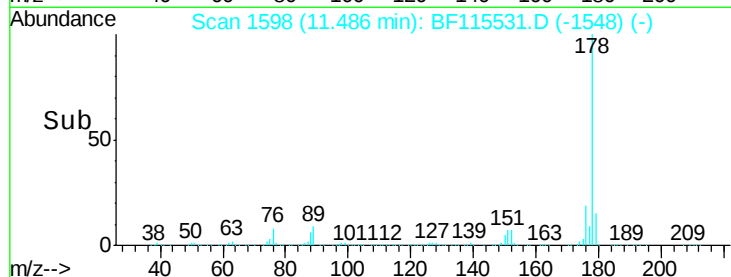
179 15.2 12.7 19.1



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: 15.612 ng

RT: 11.63 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

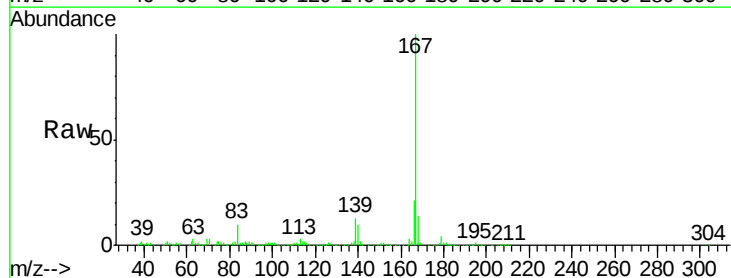
Tgt Ion:167 Resp: 287586

Ion Ratio Lower Upper

167 100

166 21.2 18.1 27.1

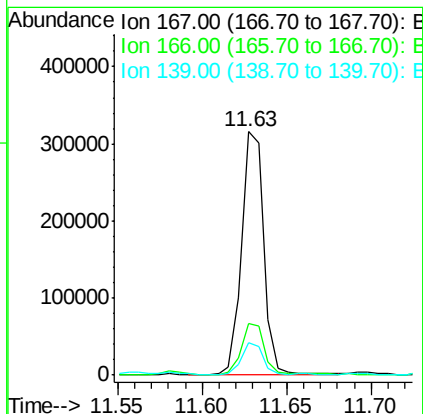
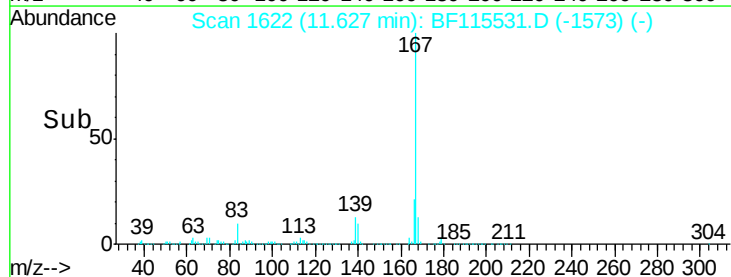
139 13.3 11.3 16.9

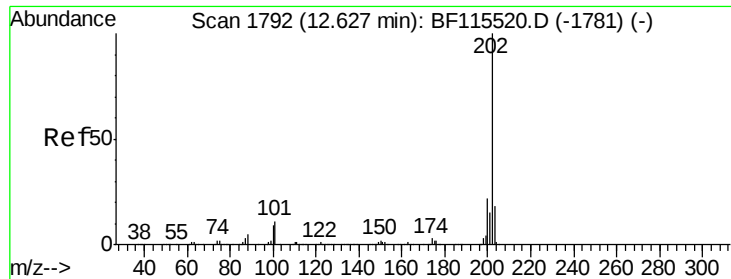


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 88.881 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.00 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Instrument :

BNA_F

ClientSampled :

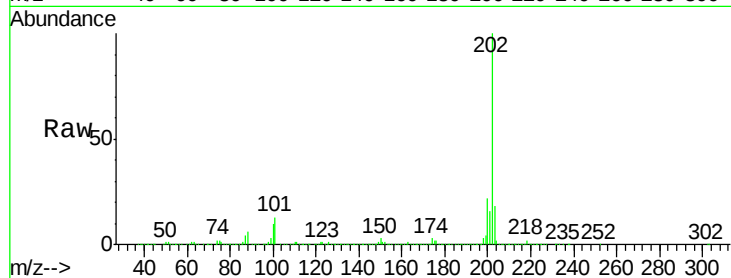
Tot Ion:202 Resp: 1909081

Ion Ratio Lower Upper

202 100

101 12.8 0.0 31.4

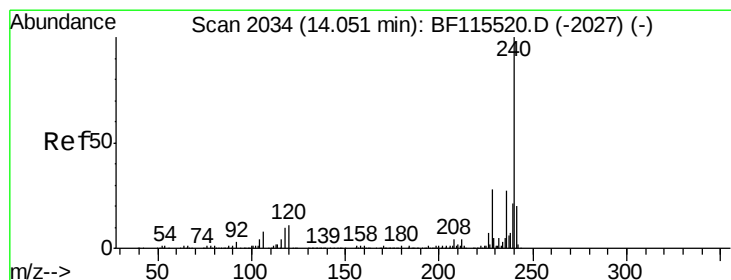
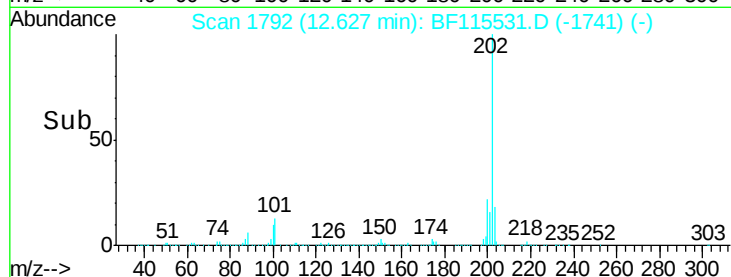
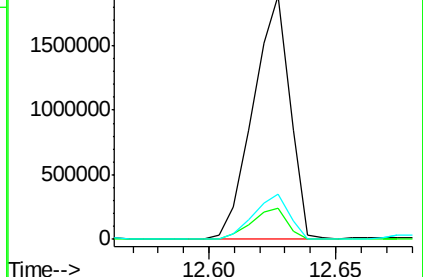
203 18.4 0.0 38.1



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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

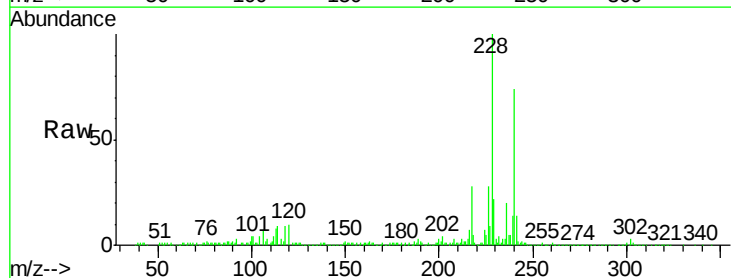
Tgt Ion:240 Resp: 308953

Ion Ratio Lower Upper

240 100

120 13.5 8.6 13.0#

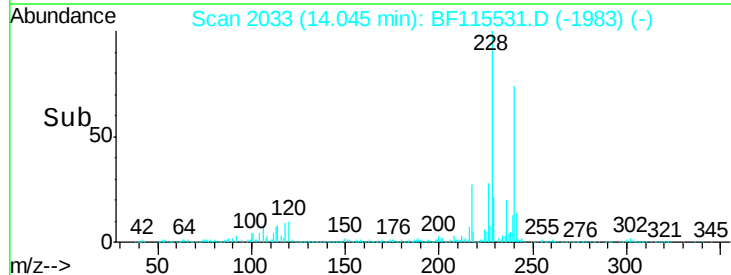
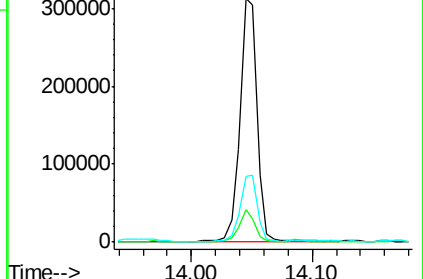
236 27.1 21.3 31.9

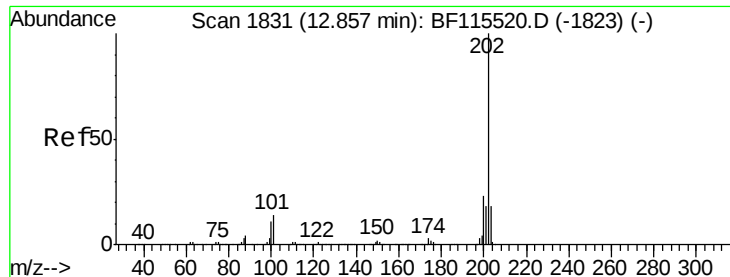


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 66.029 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Instrument :

BNA_F

ClientSampleId :

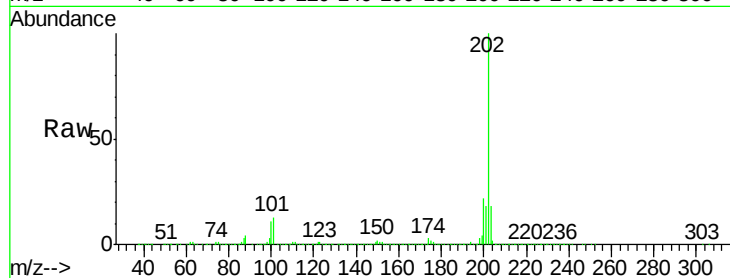
Tot Ion:202 Resp: 1728364

Ion Ratio Lower Upper

202 100

200 22.3 18.7 28.1

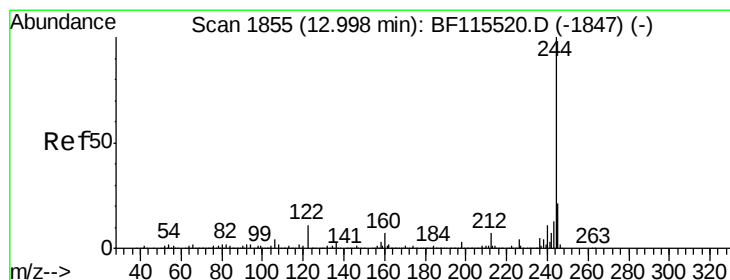
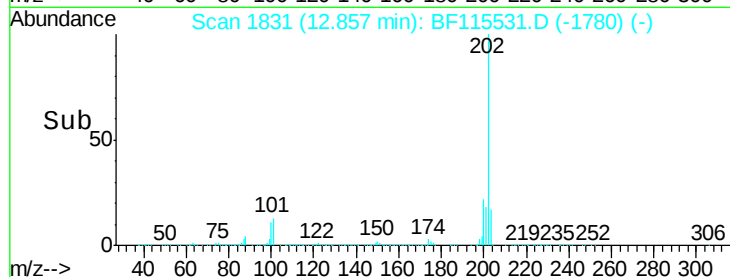
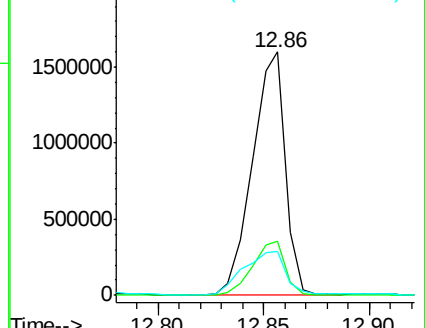
203 18.2 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 31.318 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

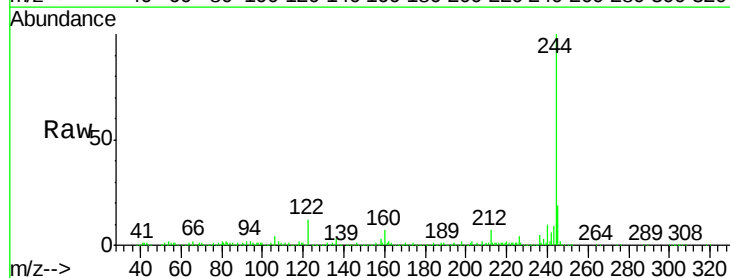
Tgt Ion:244 Resp: 524383

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

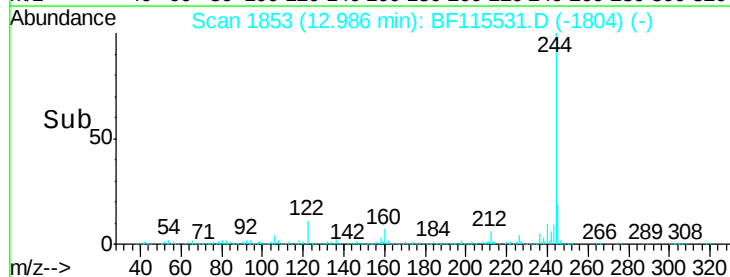
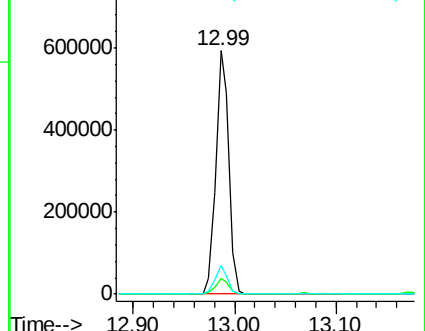
122 11.5 8.6 12.8

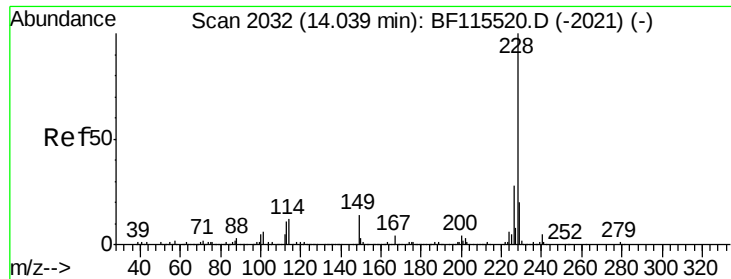


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

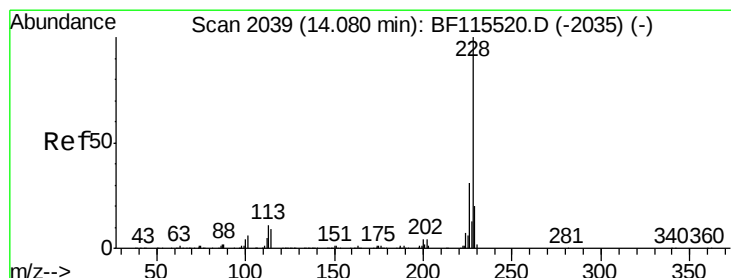
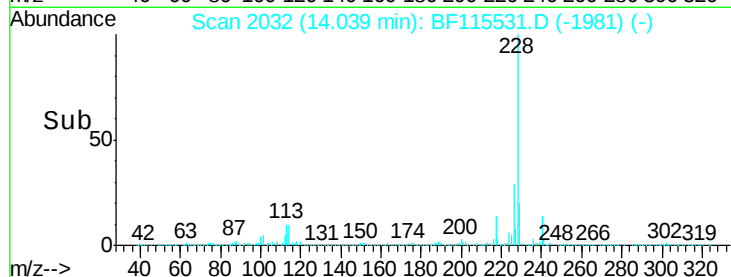
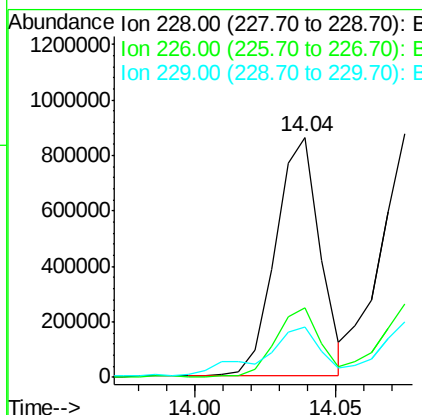
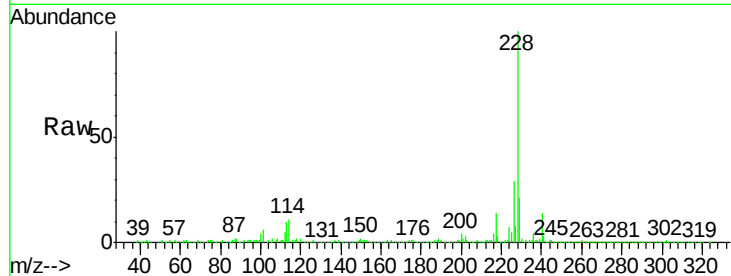




#81
Benzo(a)anthracene
Concen: 46.300 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

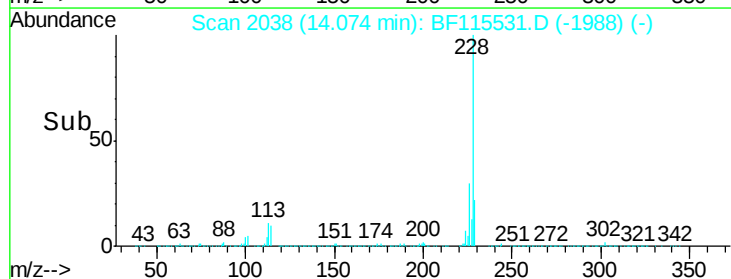
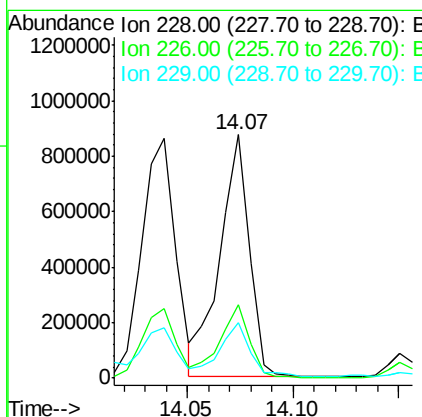
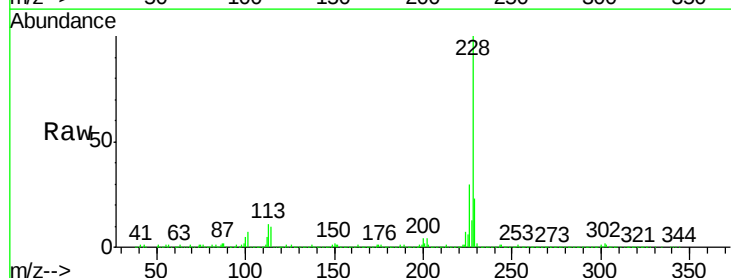
Instrument :
BNA_F
ClientSampled :

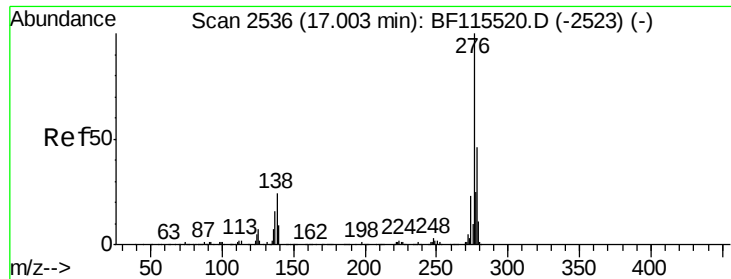
Tot Ion:228 Resp: 942385
Ion Ratio Lower Upper
228 100
226 29.0 23.4 35.0
229 20.9 17.2 25.8



#83
Chrysene
Concen: 41.215 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Tgt Ion:228 Resp: 842136
Ion Ratio Lower Upper
228 100
226 30.0 25.7 38.5
229 22.7 16.6 25.0





#86

Indeno(1,2,3-cd)pyrene

Concen: 18.778 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Instrument :

BNA_F

ClientSampleId :

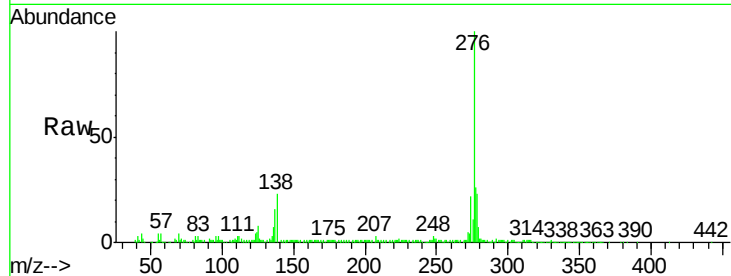
Tot Ion:276 Resp: 325968

Ion Ratio Lower Upper

276 100

138 21.9 20.2 30.2

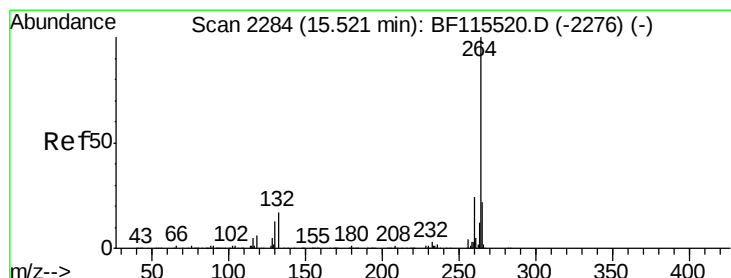
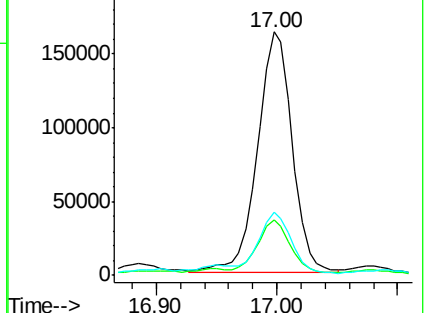
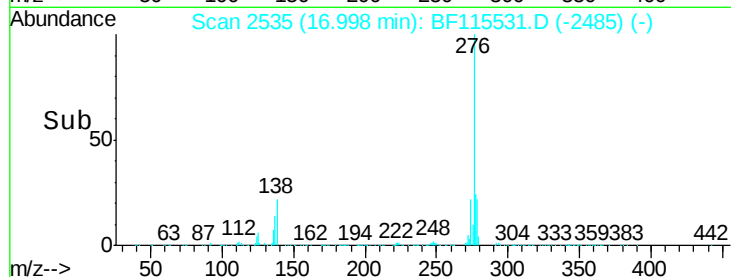
277 23.8 20.4 30.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.00 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

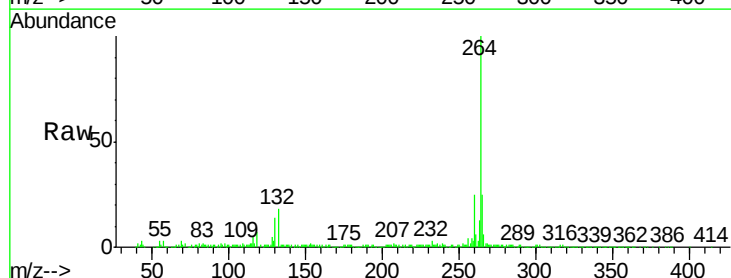
Tgt Ion:264 Resp: 367169

Ion Ratio Lower Upper

264 100

260 24.9 19.8 29.8

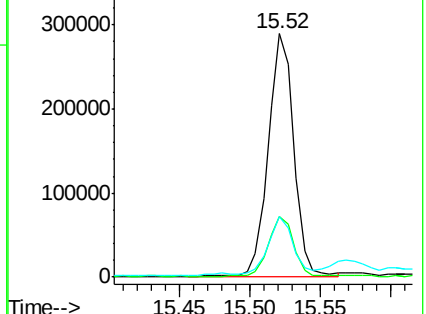
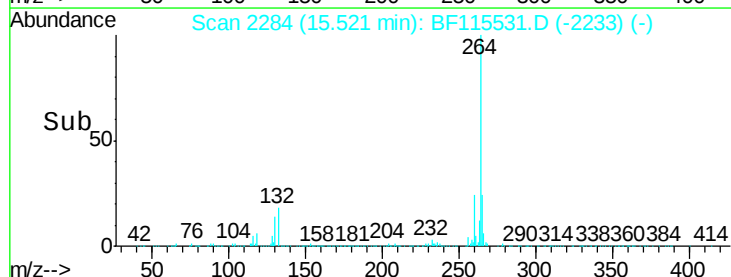
265 24.7 17.7 26.5

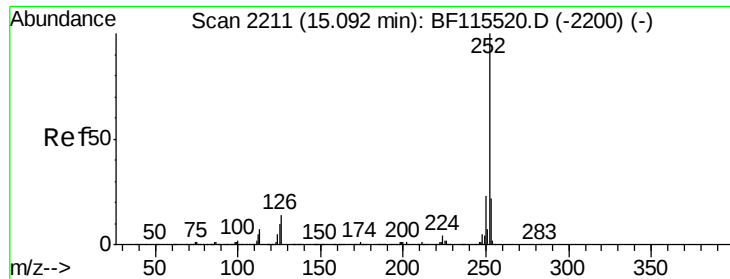


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

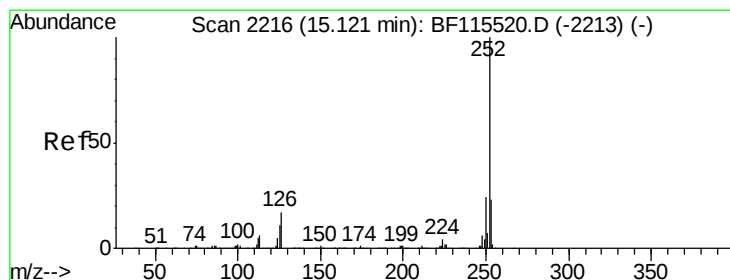
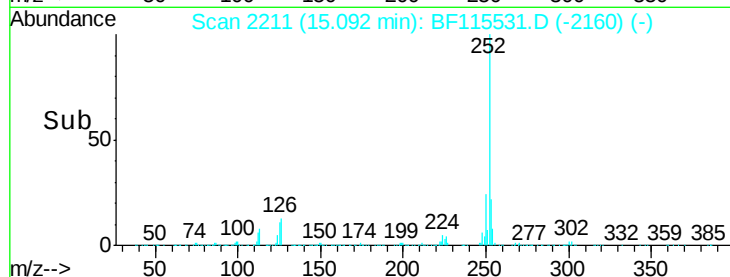
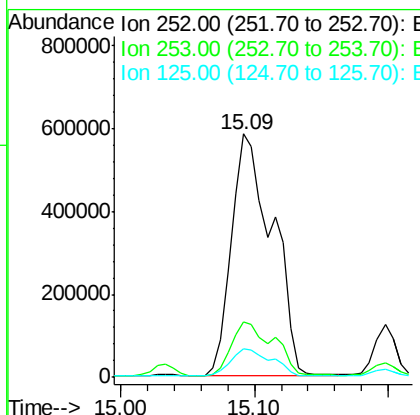
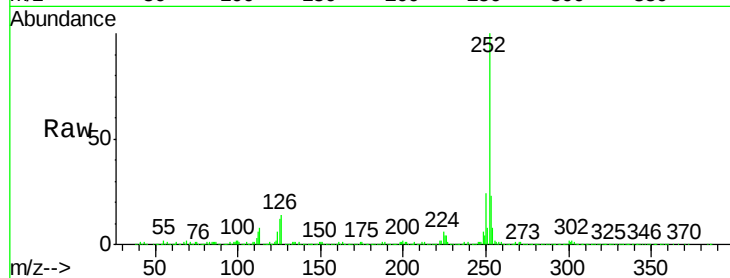




#88
Benzo(b)fluoranthene
Concen: 52.944 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

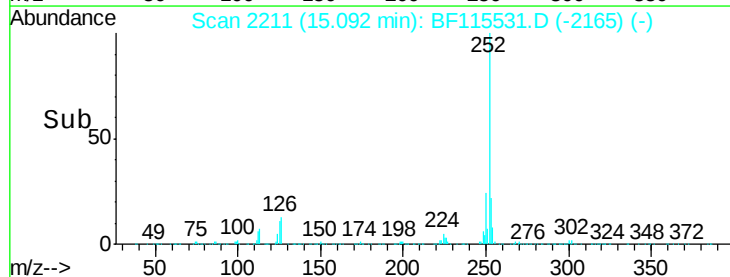
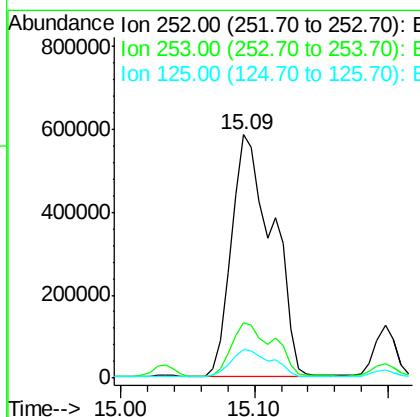
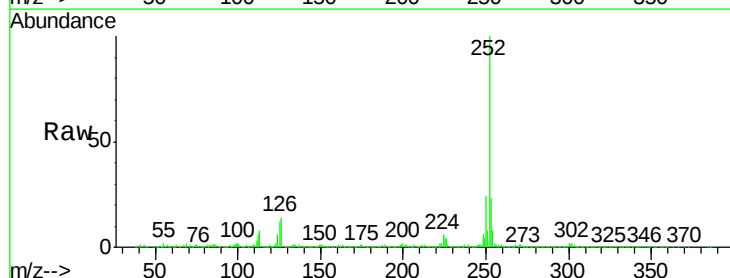
Instrument :
BNA_F
ClientSampleId :

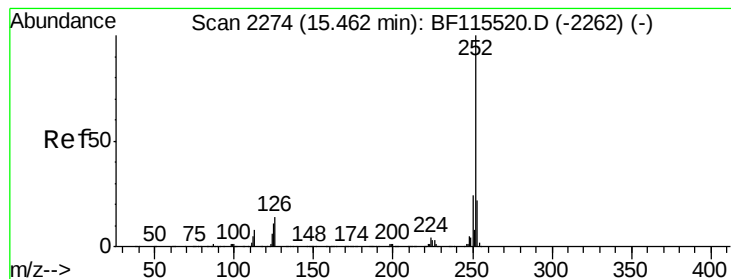
Tot Ion:252 Resp: 1251739
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 11.7 9.0 13.4



#89
Benzo(k)fluoranthene
Concen: 59.384 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.03 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Tgt Ion:252 Resp: 1251739
Ion Ratio Lower Upper
252 100
253 22.8 18.6 28.0
125 11.7 9.0 13.6





#90

Benzo(a)pyrene

Concen: 32.630 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.00 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Instrument :

BNA_F

ClientSampleId :

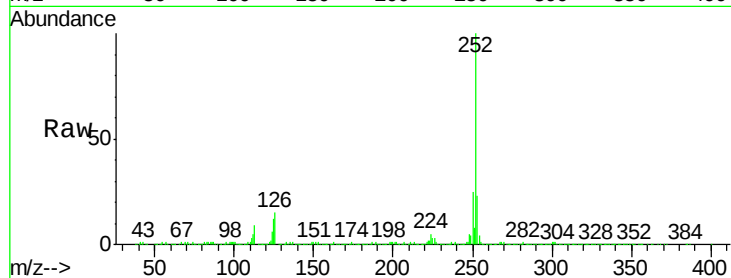
Tot Ion:252 Resp: 663072

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

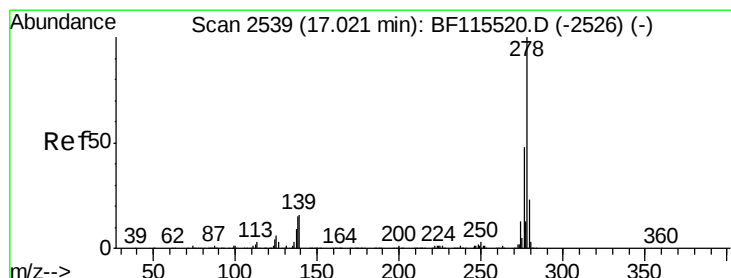
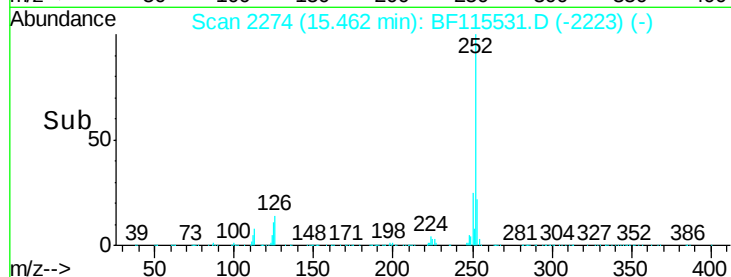
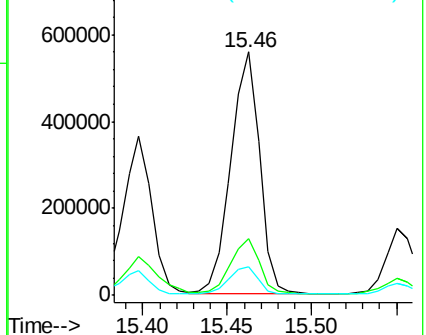
125 11.6 9.1 13.7



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: 5.321 ng

RT: 17.01 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

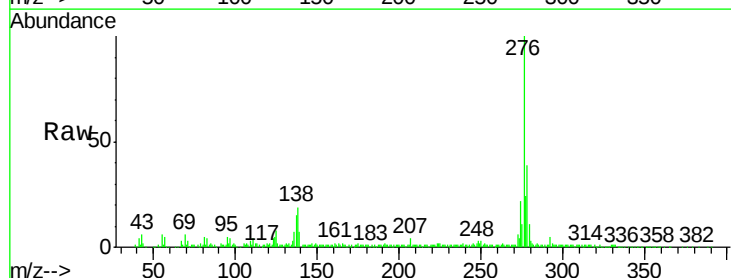
Tgt Ion:278 Resp: 94918

Ion Ratio Lower Upper

278 100

139 17.7 13.1 19.7

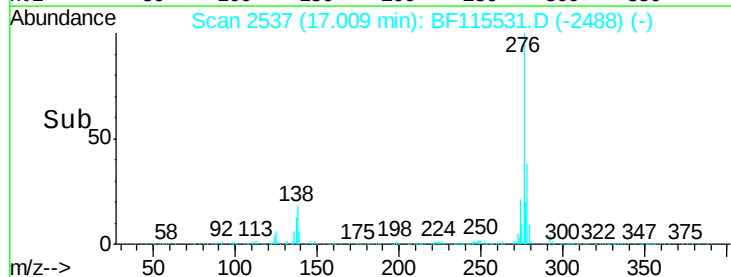
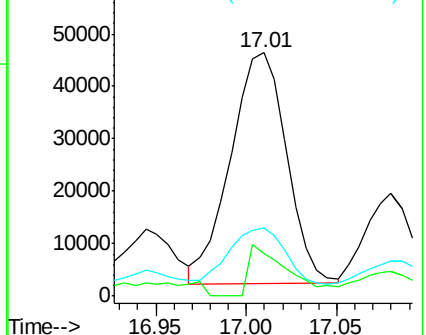
279 27.8 19.6 29.4

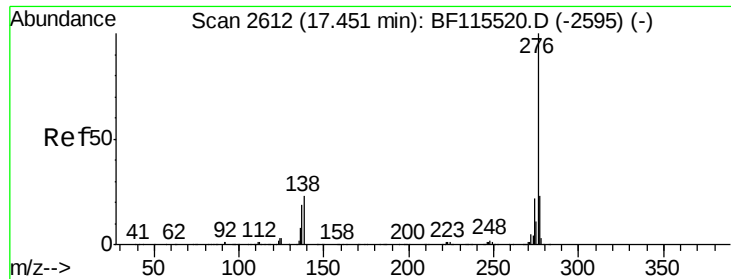


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

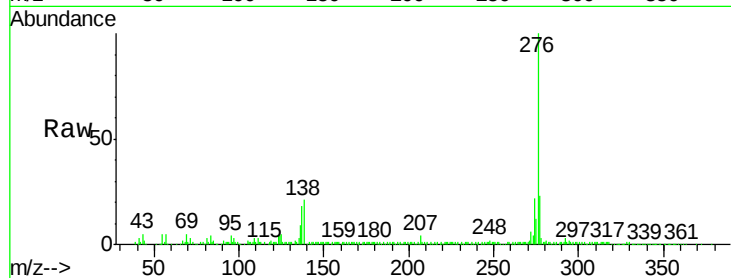




#92
 Benzo(a,h,i)perylene
 Concen: 15.651 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. -0.01 min
 Lab File: BF115531.D
 Acq: 12 Jul 2019 17:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.4
138	21.3	17.2	25.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

