

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
 Data File : BF115170.D
 Acq On : 25 Jun 2019 1:41
 Operator : HP/JU
 Sample : K3500-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-6(7.5-8)

Quant Time: Jun 25 07:45:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 24 04:21:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	282200	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1071705	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	533776	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	1003475	20.00	ng	0.00
76) Chrysene-d12	13.74	240	415680	20.00	ng	0.00
87) Perylene-d12	15.13	264	486088	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	608476	33.27	ng	0.00
7) Phenol-d6	6.24	99	778006	35.05	ng	-0.01
23) Nitrobenzene-d5	7.17	82	438549	25.17	ng	-0.02
42) 2,4,6-Tribromophenol	10.42	330	218461	38.81	ng	-0.01
45) 2-Fluorobiphenyl	8.97	172	866495	27.57	ng	-0.02
79) Terphenyl-d14	12.70	244	707657	36.20	ng	-0.01

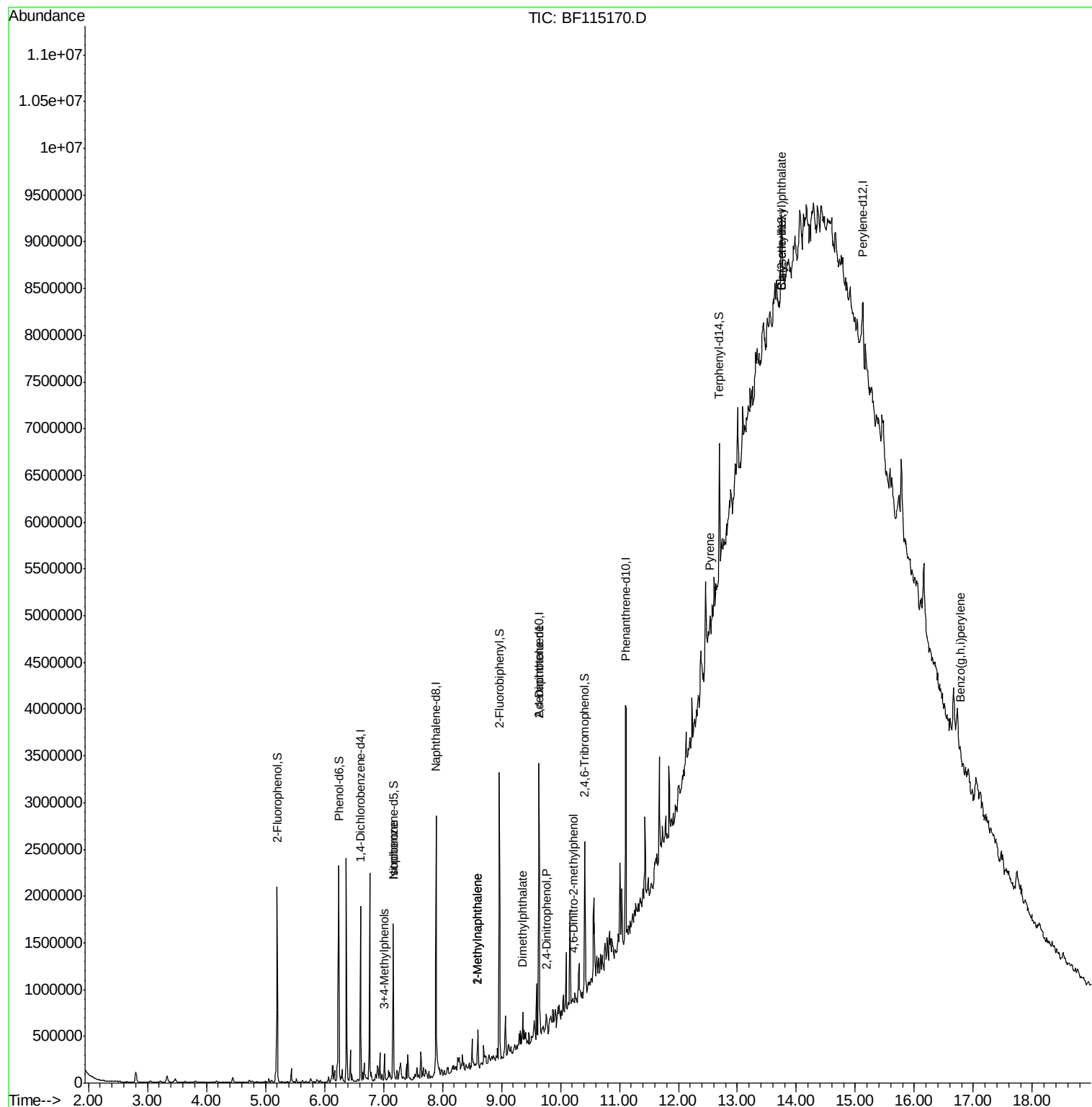
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 3+4-Methylphenols	7.02	107	56036	2.859	ng	# 63
25) Isophorone	7.17	82	433074	12.135	ng	# 63
37) 2-Methylnaphthalene	8.60	142	71954	2.029	ng	99
38) 1-Methylnaphthalene	8.60	142	71954	2.124	ng	96
50) Dimethylphthalate	9.36	163	110657	2.818	ng	# 98
54) 2,4-Dinitrophenol	9.76	184	406	7.423	ng	# 1
57) 2,4-Dinitrotoluene	9.64	165	73939	6.316	ng	# 31
58) Fluorene	10.18	166	7132	Below Cal		# 64
61) 4-Chlorophenyl-phenylether	10.20	204	1228	Below Cal		# 1
65) 4,6-Dinitro-2-methylphenol	10.21	198	456	5.036	ng	# 1
78) Pyrene	12.54	202	76263	2.387	ng	# 85
84) Bis(2-ethylhexyl)phthalate	13.76	149	199952	10.824	ng	# 96
92) Benzo(a,h,i)perylene	16.78	276	57473	2.225	ng	# 57

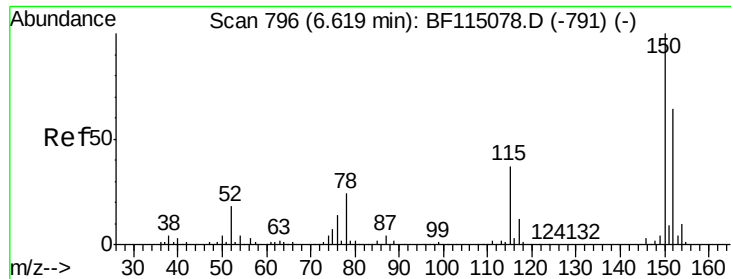
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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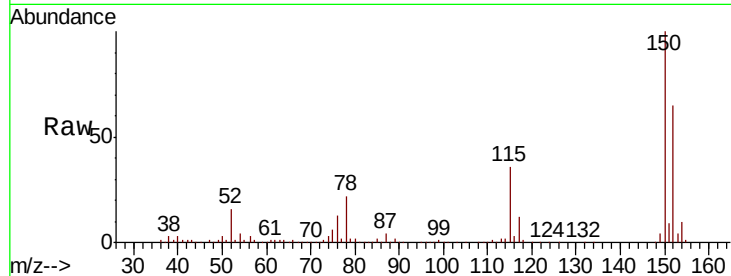


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115170.D
Acq: 25 Jun 2019 1:41

Instrument :
BNA_F
ClientSampleId :
B-6(7.5-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.2	186.2
115	55.9	46.1	69.1

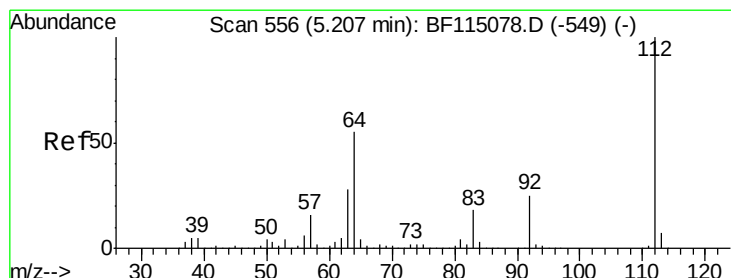
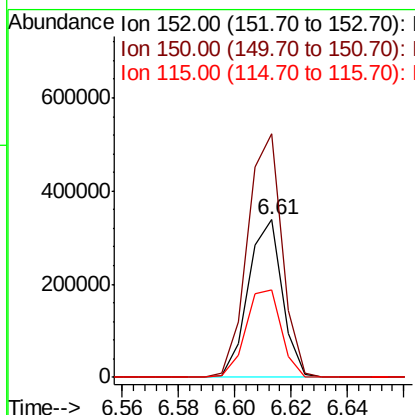
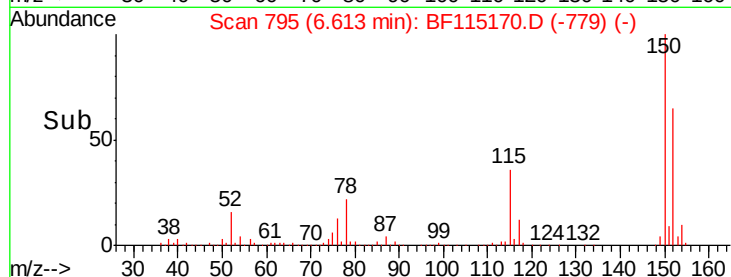


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

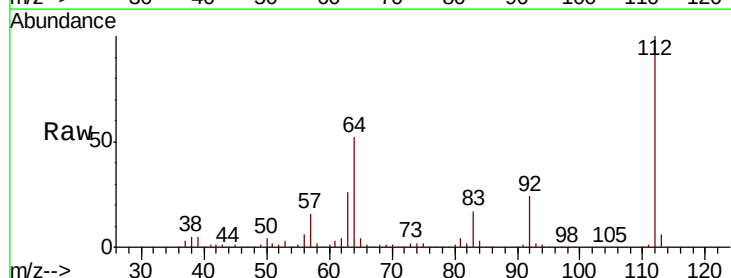
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 33.274 ng
RT: 5.20 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF115170.D
Acq: 25 Jun 2019 1:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	43.8	65.6
63	26.4	22.2	33.4

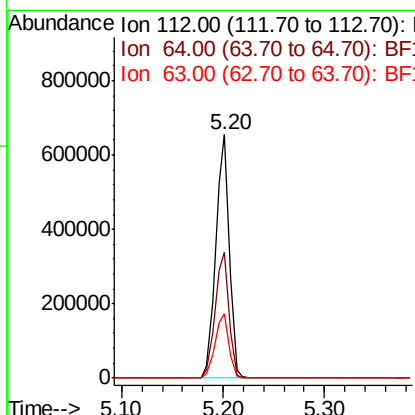
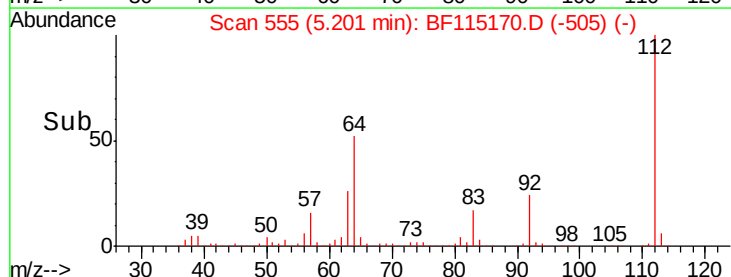


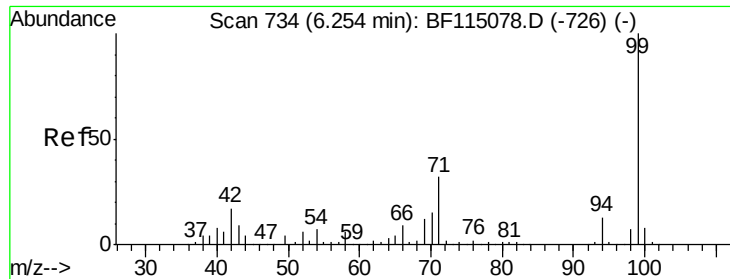
Abundance

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: 35.052 ng

RT: 6.24 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF115170.D

Acq: 25 Jun 2019 1:41

Instrument :

BNA_F

ClientSampleId :

B-6(7.5-8)

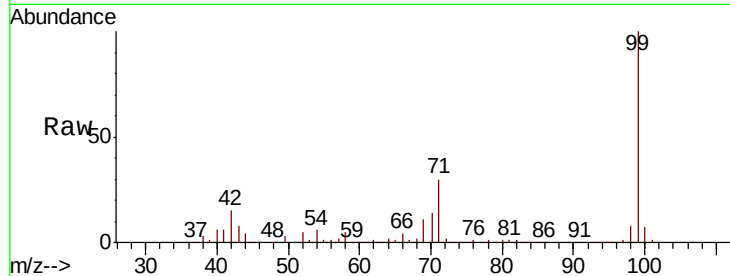
Tot Ion: 99 Resp: 778006

Ion Ratio Lower Upper

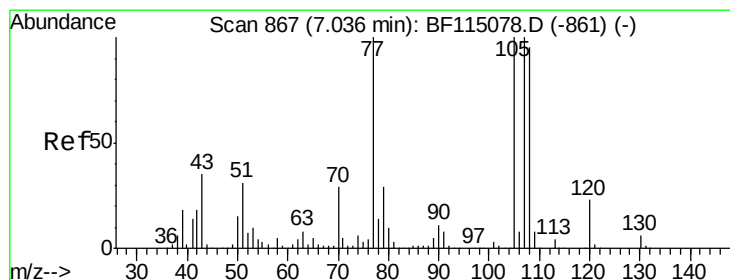
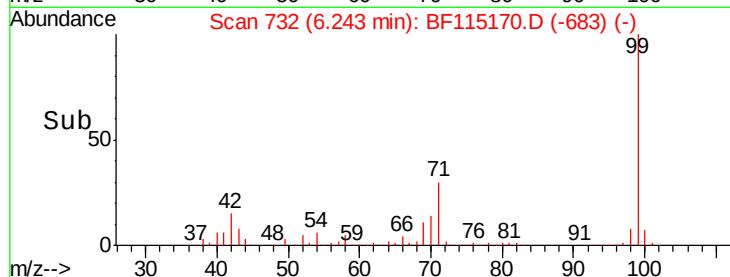
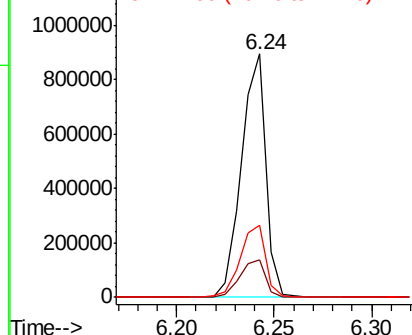
99 100

42 15.2 13.6 20.4

71 29.9 25.5 38.3



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



#20

3+4-Methylphenols

Concen: 2.859 ng

RT: 7.02 min Scan# 864

Delta R.T. -0.02 min

Lab File: BF115170.D

Acq: 25 Jun 2019 1:41

Tgt Ion:107 Resp: 56036

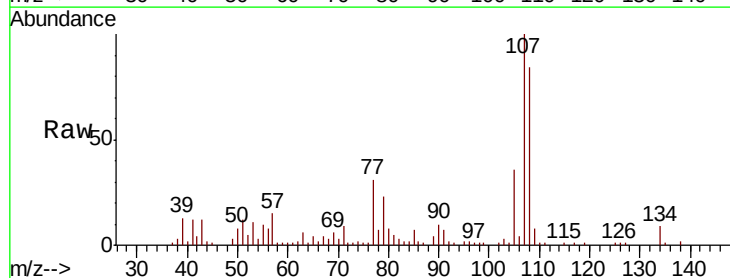
Ion Ratio Lower Upper

107 100

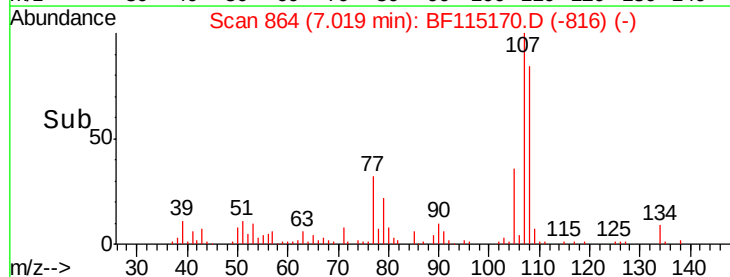
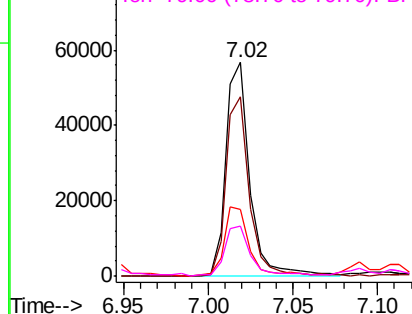
108 83.8 75.5 115.5

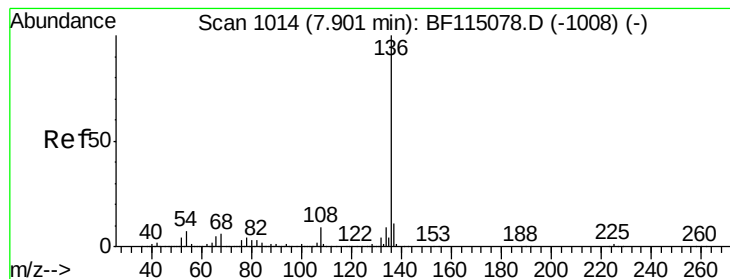
77 31.3 80.2 120.2#

79 23.2 9.5 49.5



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF115170.D

Acq: 25 Jun 2019 1:41

Instrument :

BNA_F

ClientSampleId :

B-6(7.5-8)

Tot Ion:136 Resp: 1071705

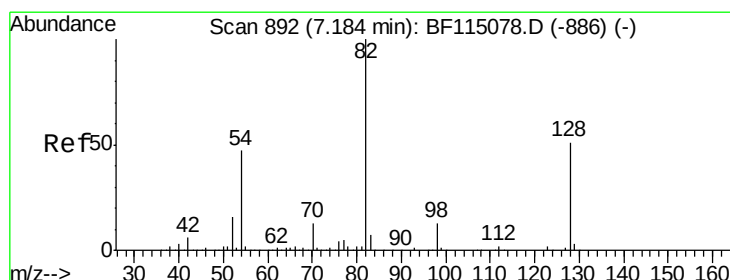
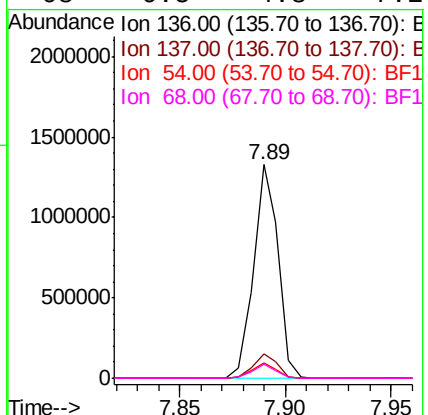
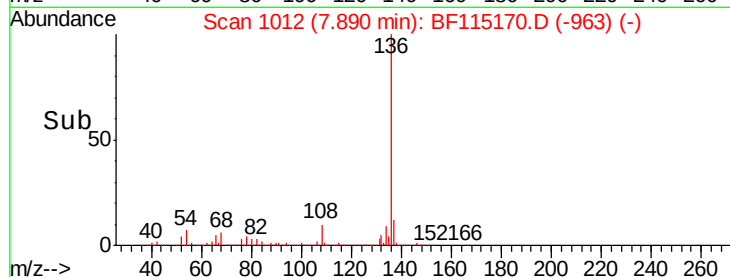
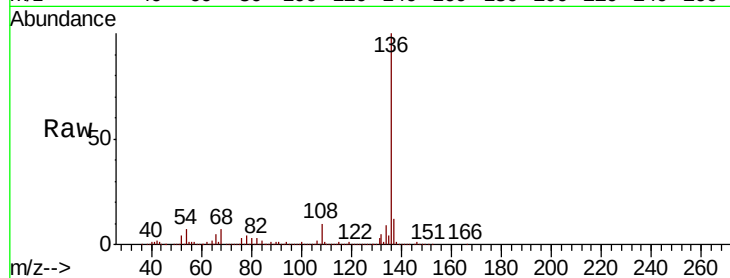
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 7.4 5.6 8.4

68 6.5 4.8 7.2



#23

Nitrobenzene-d5

Concen: 25.173 ng

RT: 7.17 min Scan# 889

Delta R.T. -0.02 min

Lab File: BF115170.D

Acq: 25 Jun 2019 1:41

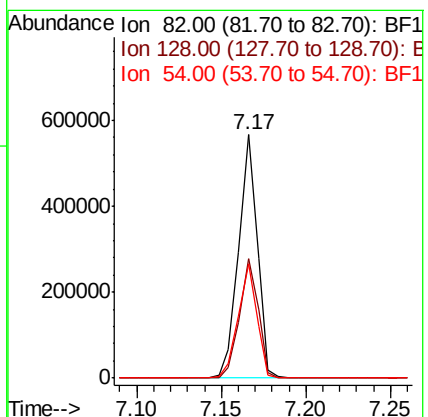
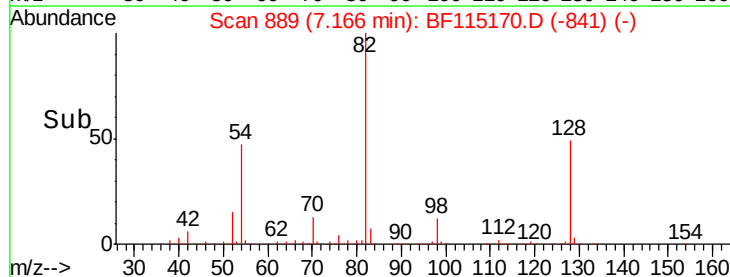
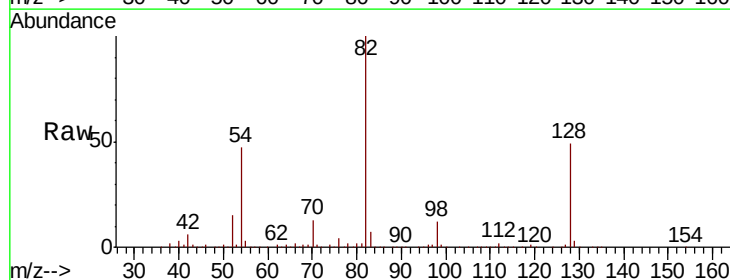
Tgt Ion: 82 Resp: 438549

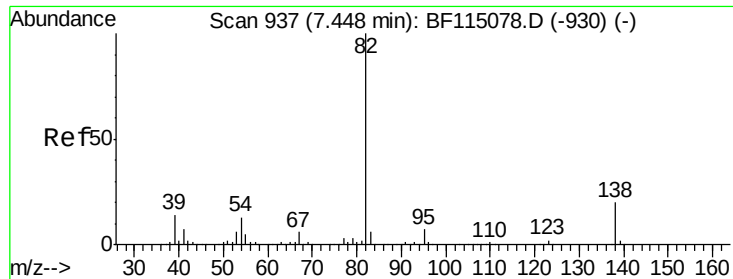
Ion Ratio Lower Upper

82 100

128 49.1 40.4 60.6

54 47.0 37.5 56.3





#25

Isophorone

Concen: 12.135 ng

RT: 7.17 min Scan# 889

Delta R.T. -0.28 min

Lab File: BF115170.D

Acq: 25 Jun 2019 1:41

Instrument :

BNA_F

ClientSampleId :

B-6(7.5-8)

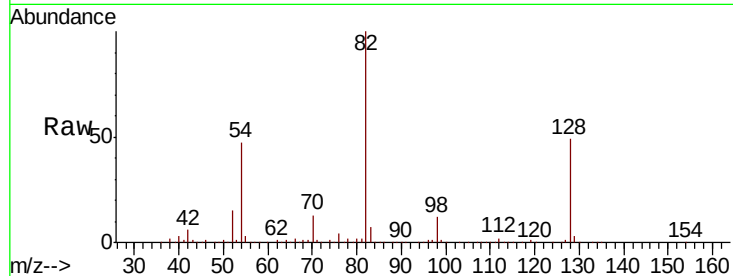
Tot Ion: 82 Resp: 433074

Ion Ratio Lower Upper

82 100

95 0.2 5.4 8.2#

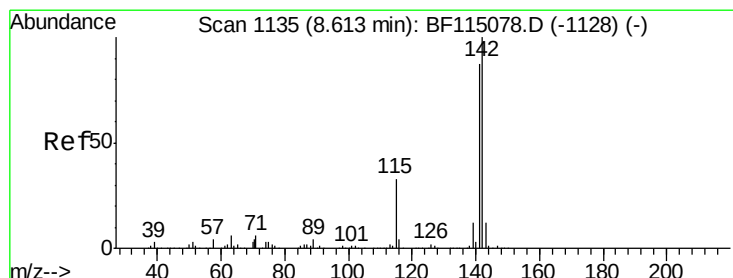
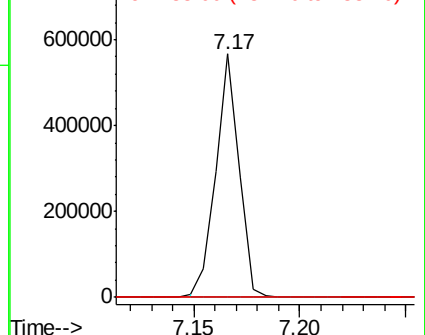
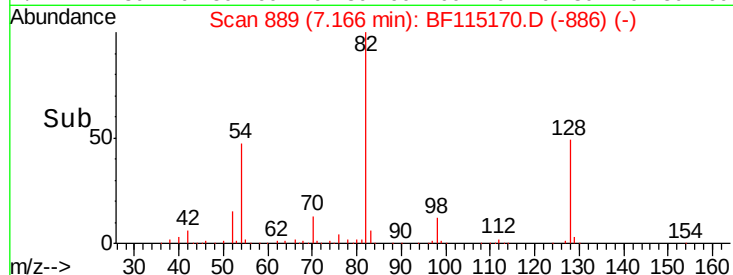
138 0.0 15.9 23.9#



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



#37

2-Methylnaphthalene

Concen: 2.029 ng

RT: 8.60 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BF115170.D

Acq: 25 Jun 2019 1:41

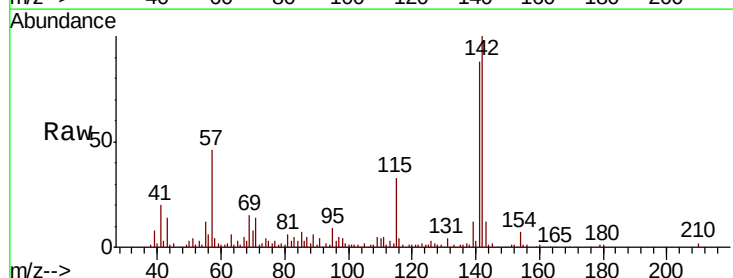
Tgt Ion: 142 Resp: 71954

Ion Ratio Lower Upper

142 100

141 88.5 69.8 104.6

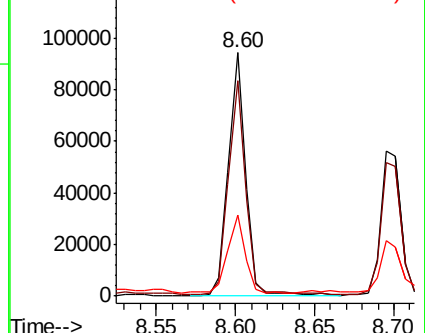
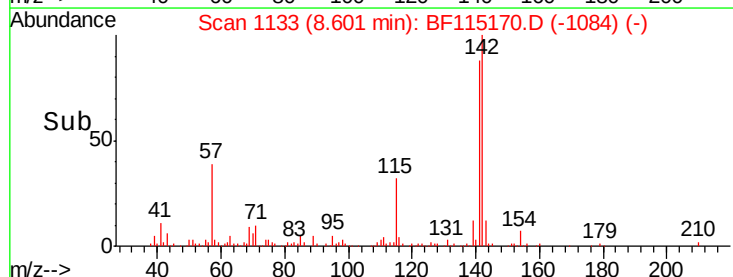
115 33.4 26.7 40.1

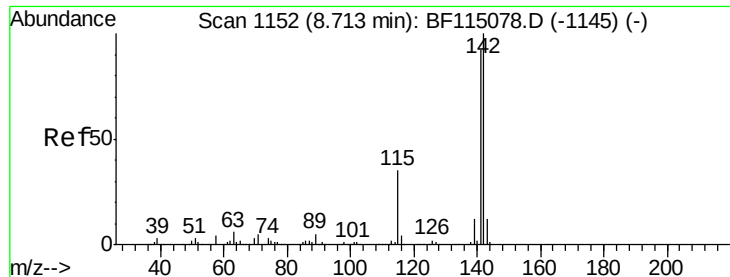


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

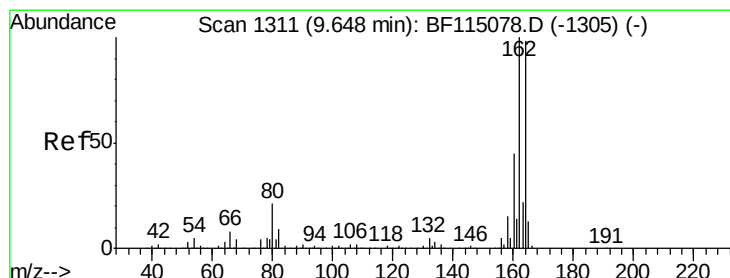
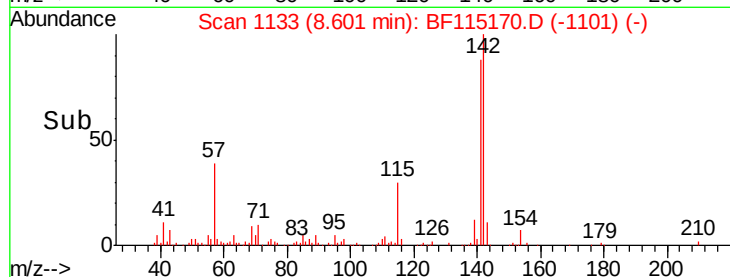
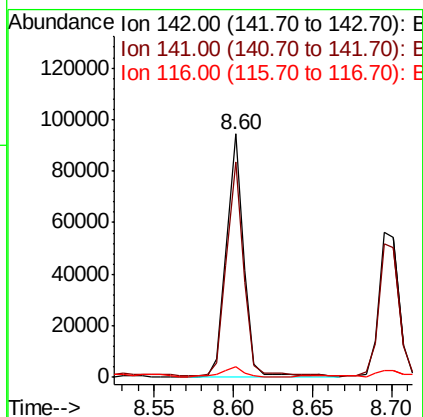
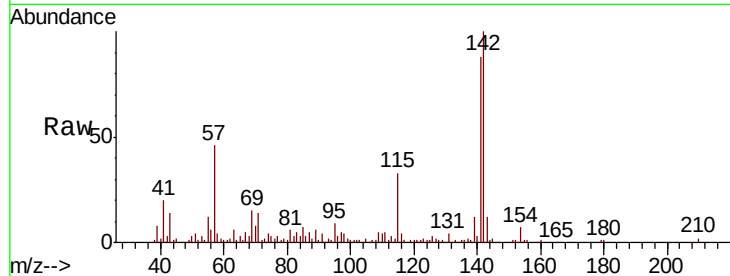




#38
1-Methylnaphthalene
Concen: 2.124 ng
RT: 8.60 min Scan# 1133
Delta R.T. -0.11 min
Lab File: BF115170.D
Acq: 25 Jun 2019 1:41

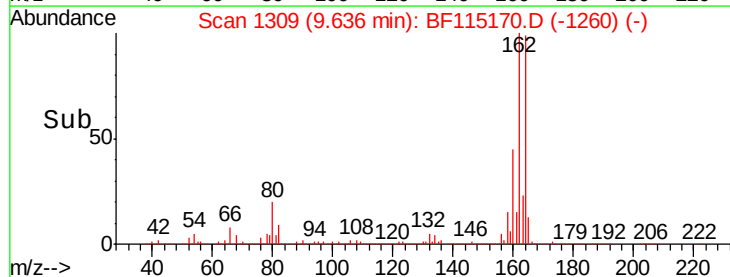
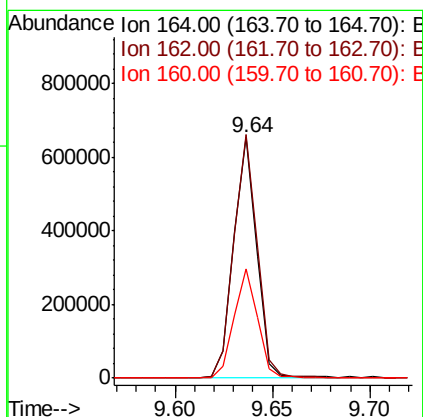
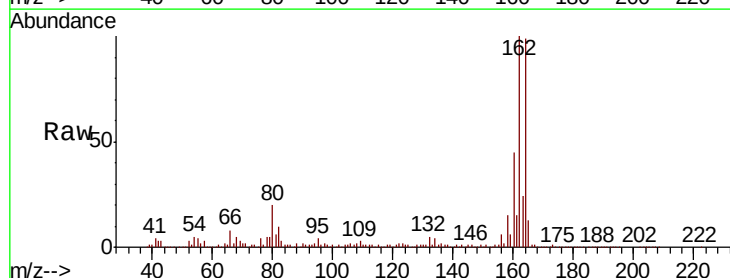
Instrument :
BNA_F
ClientSampleId :
B-6(7.5-8)

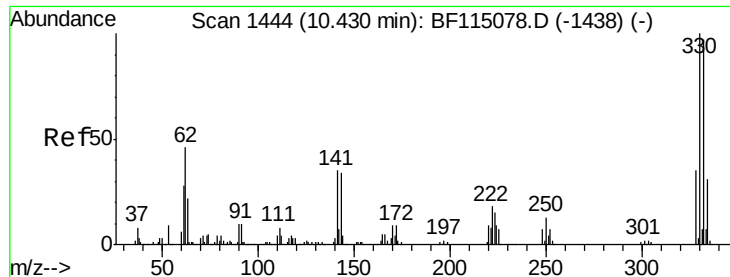
Tot Ion:142 Resp: 71954
Ion Ratio Lower Upper
142 100
141 88.5 73.8 110.8
116 4.1 2.8 4.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF115170.D
Acq: 25 Jun 2019 1:41

Tgt Ion:164 Resp: 533776
Ion Ratio Lower Upper
164 100
162 101.1 81.7 122.5
160 45.4 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 38.811 ng

RT: 10.42 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF115170.D

Acq: 25 Jun 2019 1:41

Instrument :

BNA_F

ClientSampleId :

B-6(7.5-8)

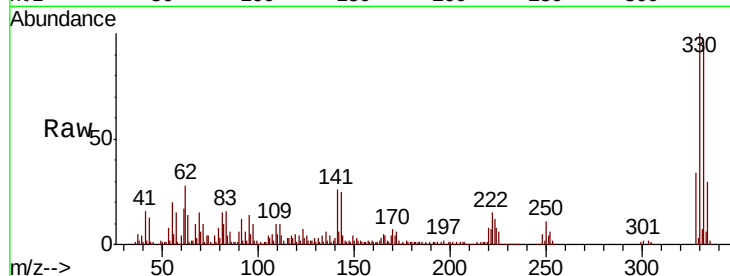
Tot Ion:330 Resp: 218461

Ion Ratio Lower Upper

330 100

332 95.1 77.3 115.9

141 34.1 28.2 42.2

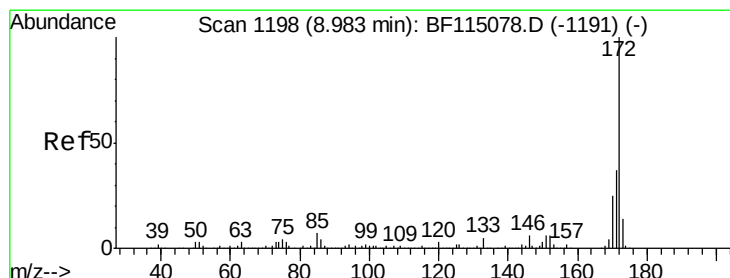
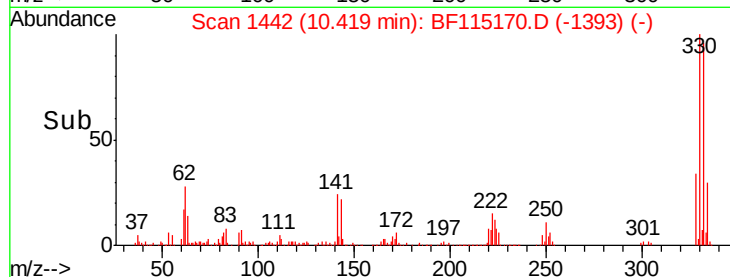
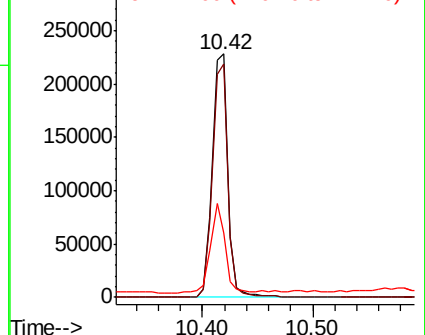


Abundance

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: 27.574 ng

RT: 8.97 min Scan# 1195

Delta R.T. -0.02 min

Lab File: BF115170.D

Acq: 25 Jun 2019 1:41

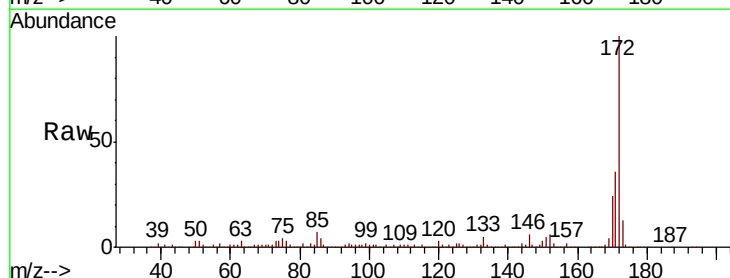
Tgt Ion:172 Resp: 866495

Ion Ratio Lower Upper

172 100

171 35.7 29.8 44.6

170 24.3 20.3 30.5

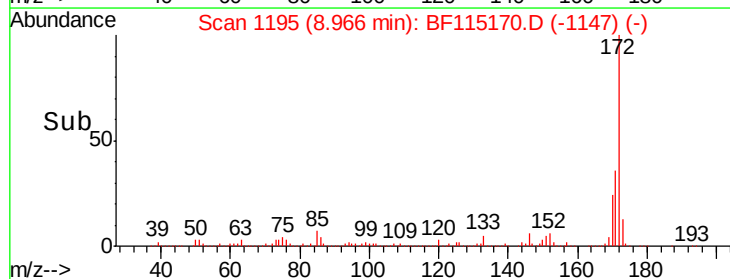
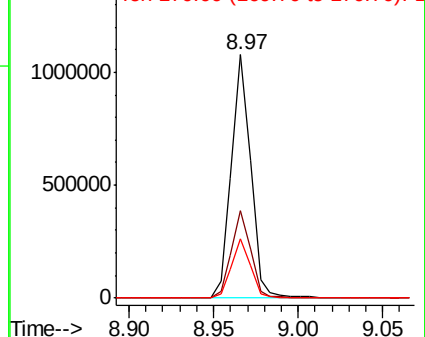


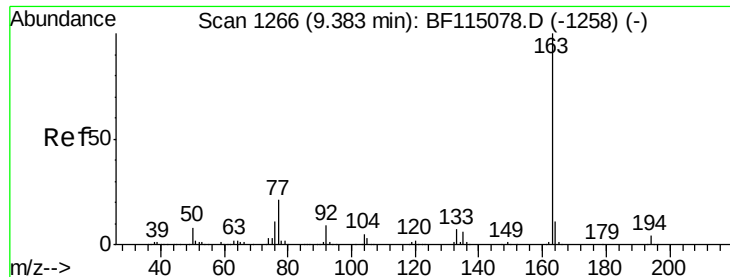
Abundance

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

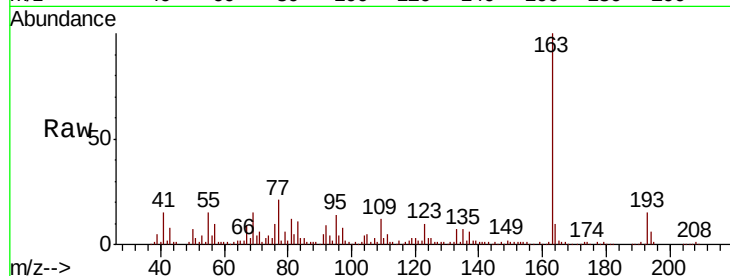




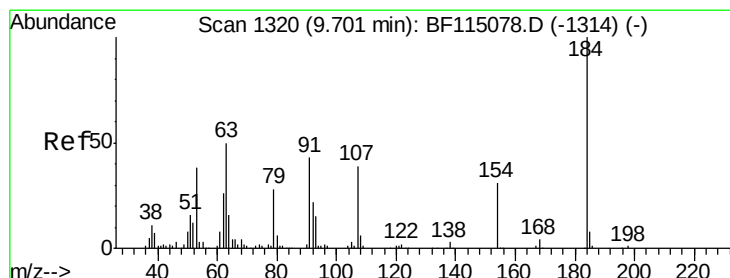
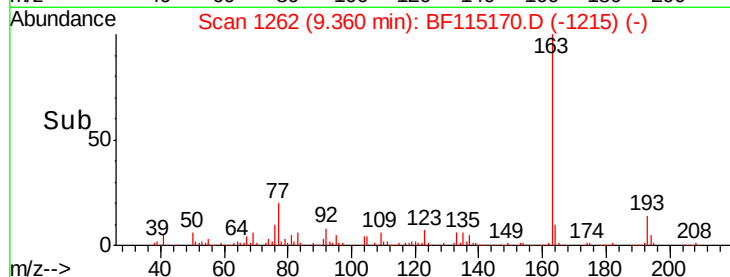
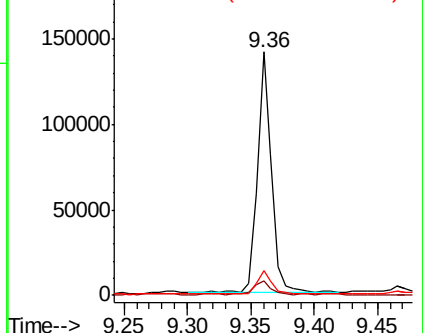
#50
Dimethylphthalate
Concen: 2.818 ng
RT: 9.36 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF115170.D
Acq: 25 Jun 2019 1:41

Instrument :
BNA_F
ClientSampleId :
B-6(7.5-8)

Tot Ion:163 Resp: 110657
Ion Ratio Lower Upper
163 100
194 5.8 3.2 4.8#
164 10.3 8.6 13.0

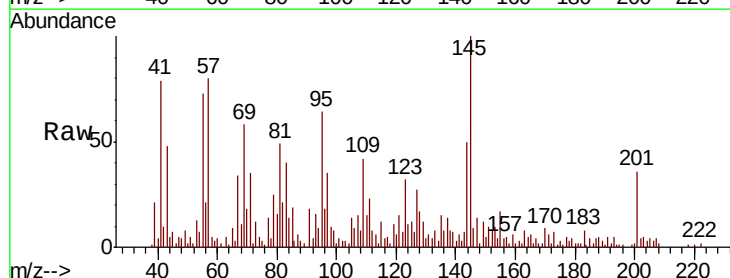


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

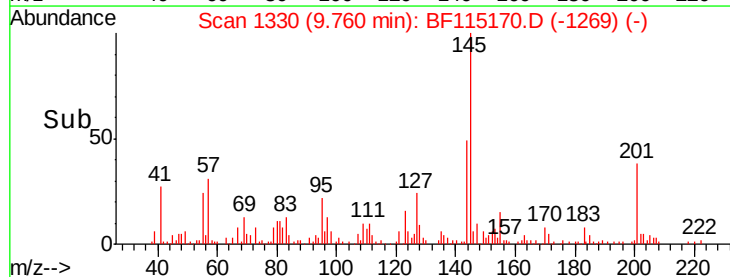
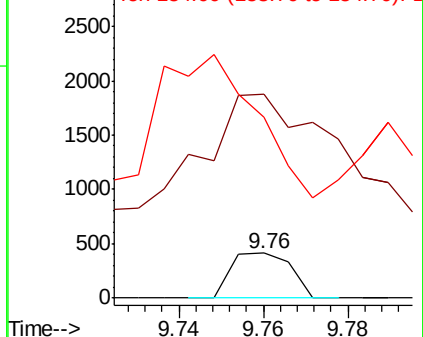


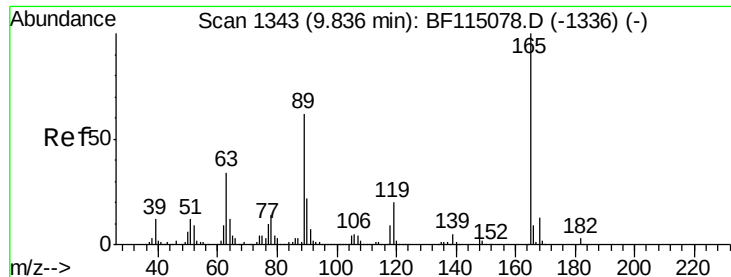
#54
2,4-Dinitrophenol
Concen: 7.423 ng
RT: 9.76 min Scan# 1330
Delta R.T. 0.06 min
Lab File: BF115170.D
Acq: 25 Jun 2019 1:41

Tgt Ion:184 Resp: 406
Ion Ratio Lower Upper
184 100
63 456.9 41.9 62.9#
154 405.8 44.7 67.1#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

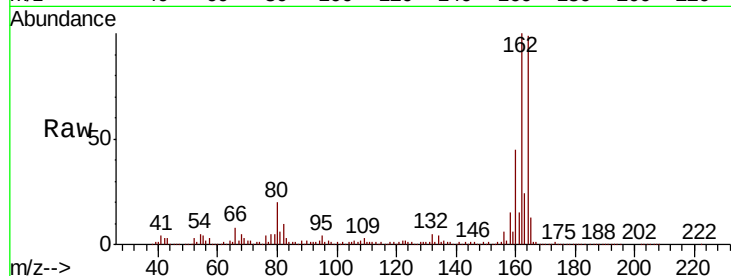




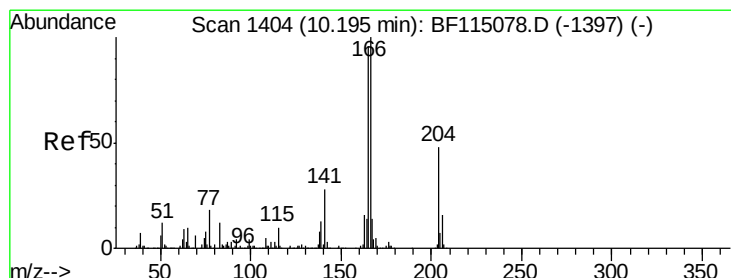
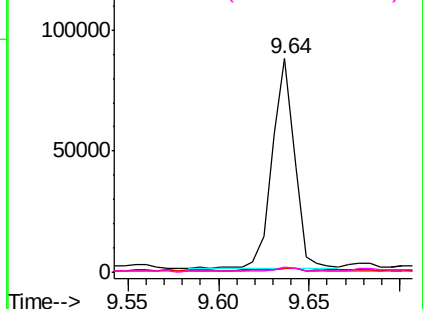
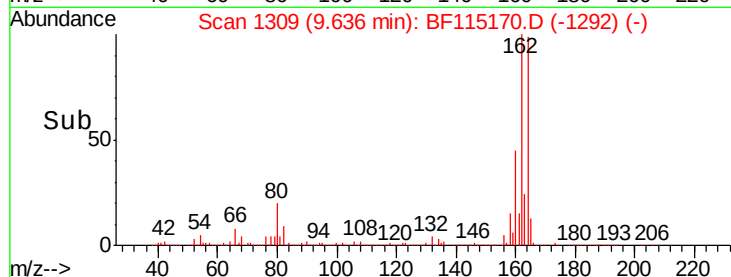
#57
 2,4-Dinitrotoluene
 Concen: 6.316 ng
 RT: 9.64 min Scan# 1309
 Delta R.T. -0.20 min
 Lab File: BF115170.D
 Acq: 25 Jun 2019 1:41

Instrument :
 BNA_F
 ClientSampleId :
 B-6(7.5-8)

Tot Ion:	165	Resp:	73939
Ion	Ratio	Lower	Upper
165	100		
63	2.0	27.5	41.3#
89	1.9	49.9	74.9#
182	2.5	2.1	3.1

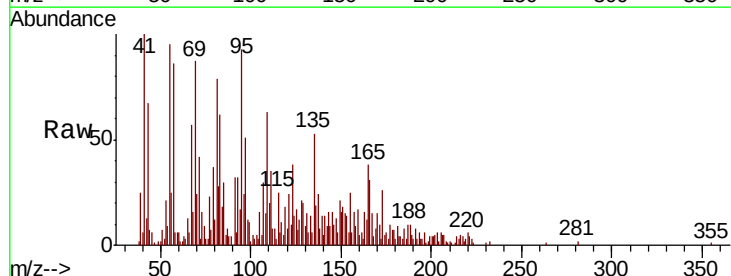


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

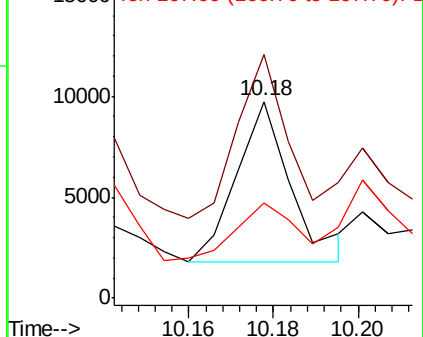
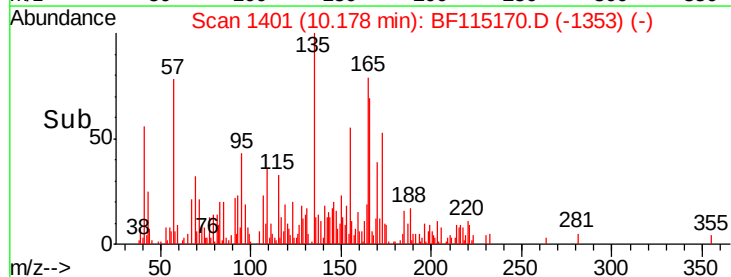


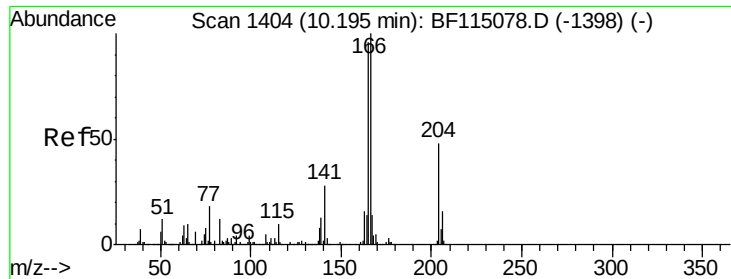
#58
 Fluorene
 Concen: Below Cal
 RT: 10.18 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: BF115170.D
 Acq: 25 Jun 2019 1:41

Tgt Ion:	166	Resp:	7132
Ion	Ratio	Lower	Upper
166	100		
165	124.0	76.5	114.7#
167	48.5	11.0	16.4#



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

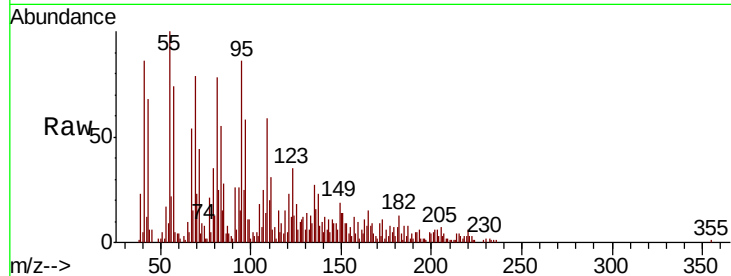




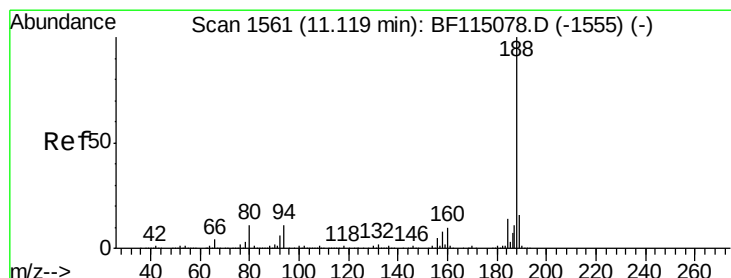
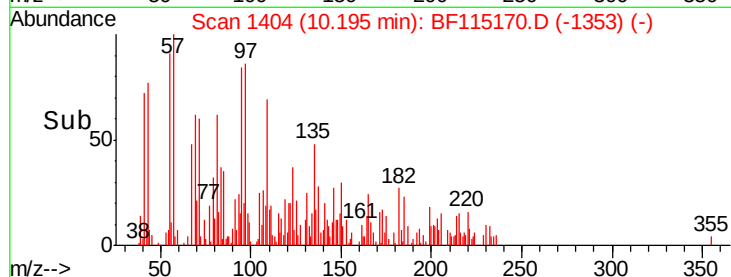
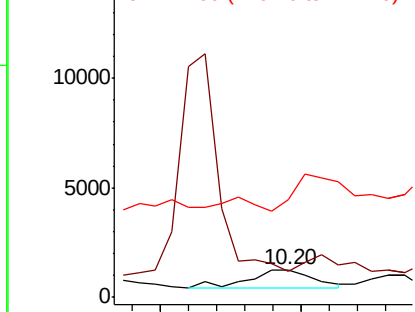
#61
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.20 min Scan# 1404
Delta R.T. 0.00 min
Lab File: BF115170.D
Acq: 25 Jun 2019 1:41

Instrument :
BNA_F
ClientSampled :
B-6(7.5-8)

Tot Ion:204 Resp: 1228
Ion Ratio Lower Upper
204 100
206 93.8 26.6 40.0#
141 359.2 46.7 70.1#

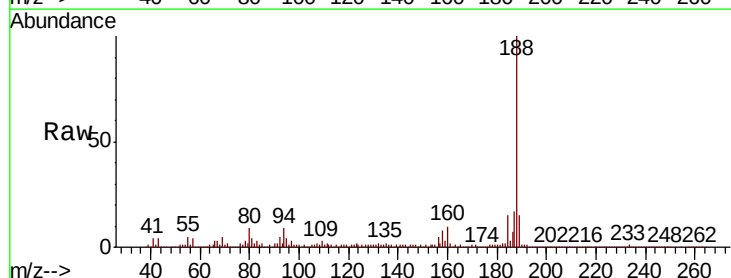


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

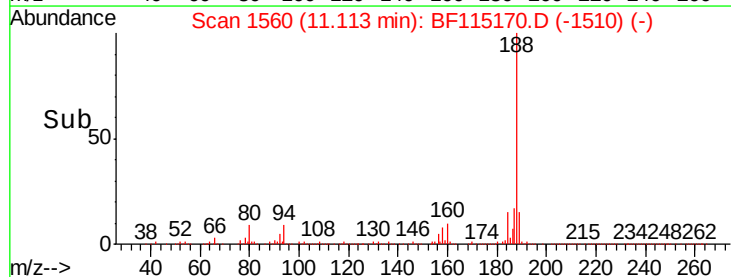
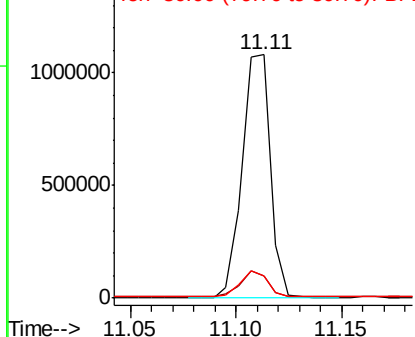


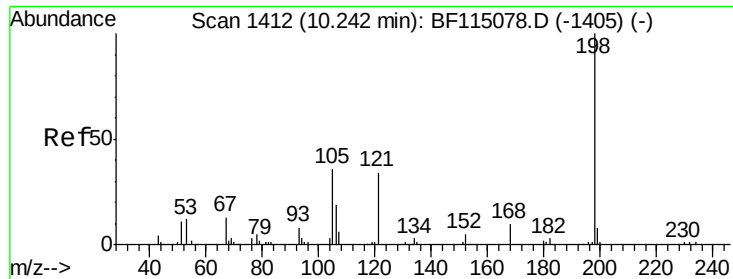
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF115170.D
Acq: 25 Jun 2019 1:41

Tgt Ion:188 Resp: 1003475
Ion Ratio Lower Upper
188 100
94 9.3 8.6 12.8
80 9.2 8.8 13.2



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

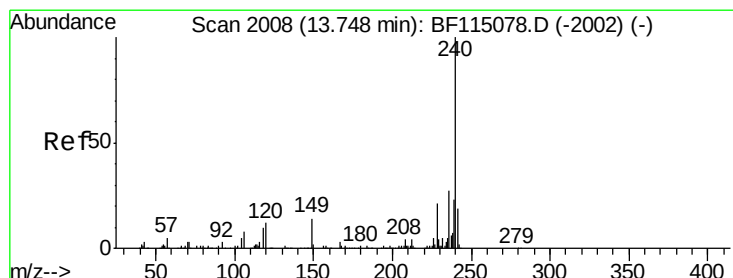
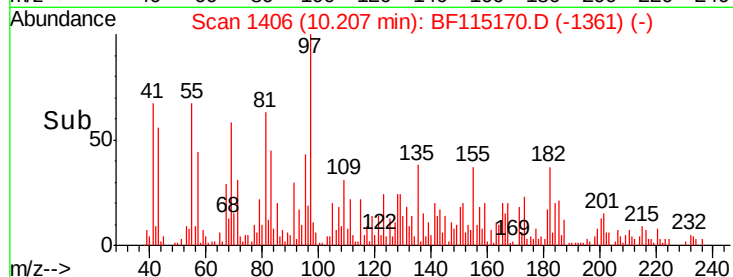
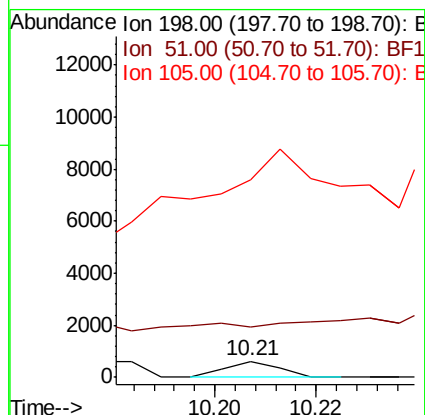
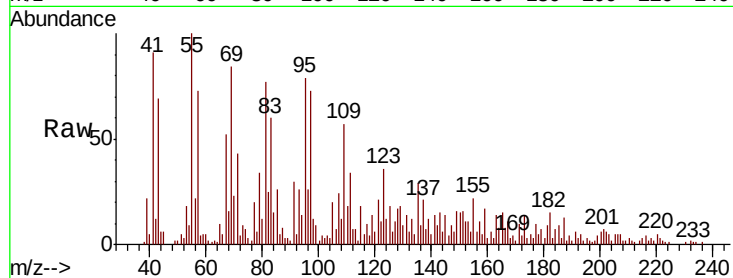




#65
4,6-Dinitro-2-methylphenol
Concen: 5.036 ng
RT: 10.21 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BF115170.D
Acq: 25 Jun 2019 1:41

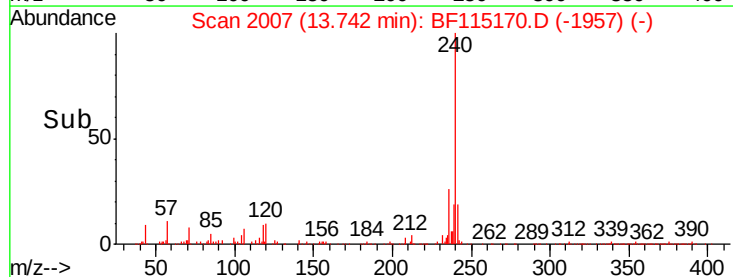
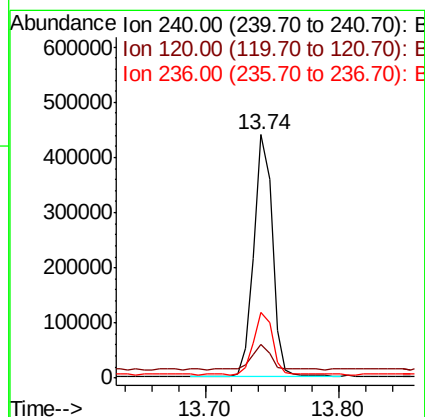
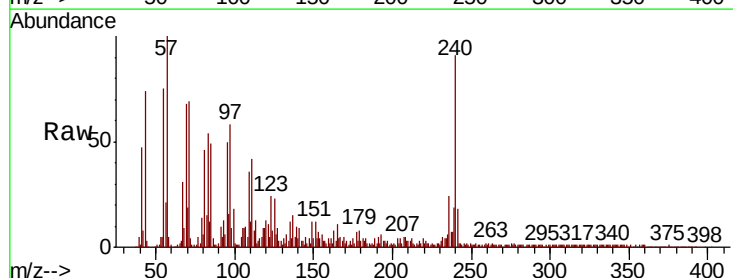
Instrument :
BNA_F
ClientSampleId :
B-6(7.5-8)

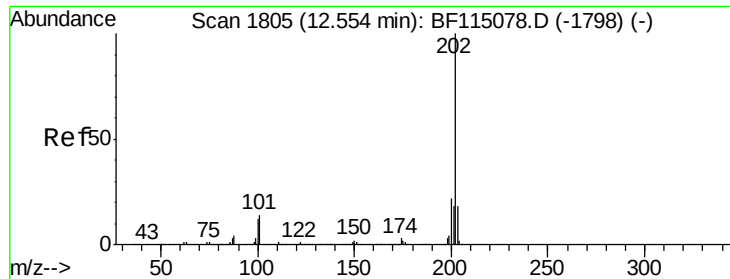
Tot Ion:198 Resp: 456
Ion Ratio Lower Upper
198 100
51 312.4 11.0 51.0#
105 1239.3 17.3 57.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.74 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF115170.D
Acq: 25 Jun 2019 1:41

Tgt Ion:240 Resp: 415680
Ion Ratio Lower Upper
240 100
120 13.9 9.4 14.2
236 26.8 21.7 32.5

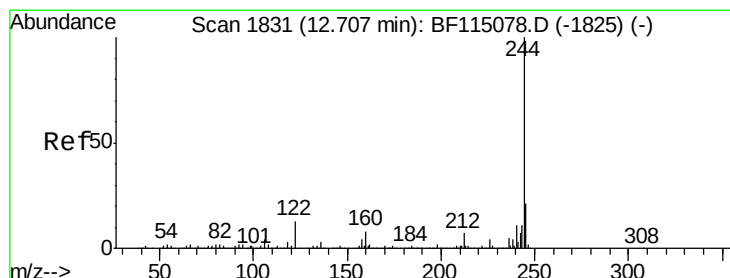
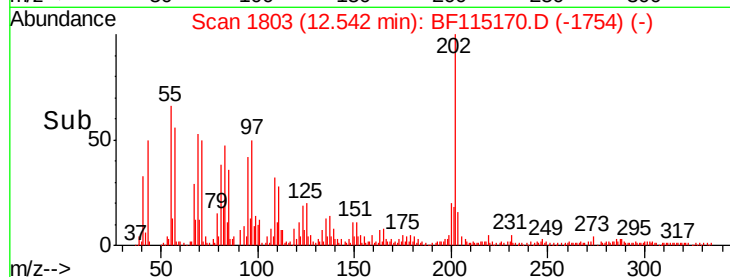
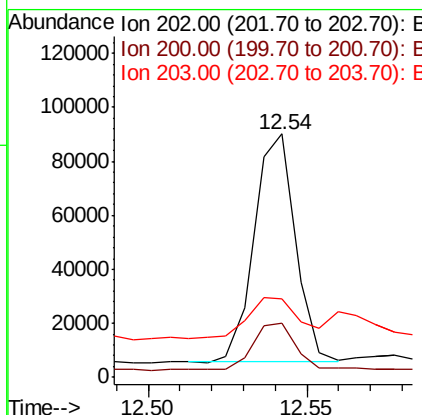
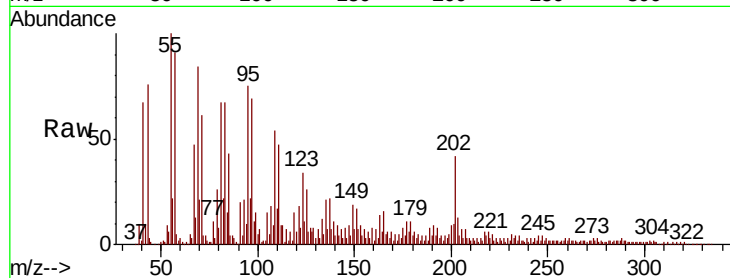




#78
Pvrene
Concen: 2.387 ng
RT: 12.54 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF115170.D
Acq: 25 Jun 2019 1:41

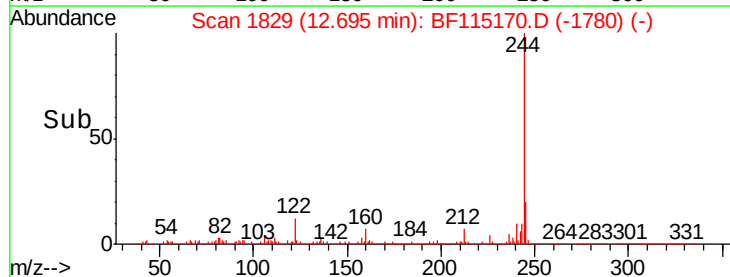
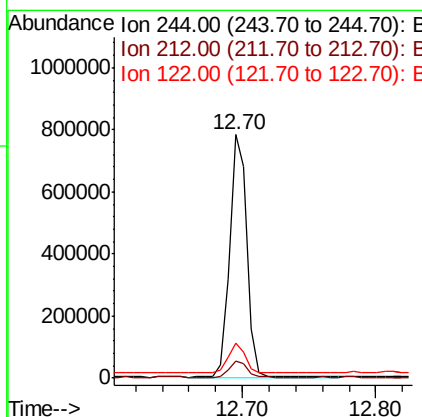
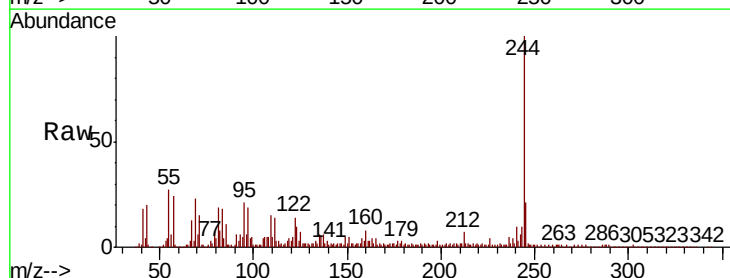
Instrument :
BNA_F
ClientSampleId :
B-6(7.5-8)

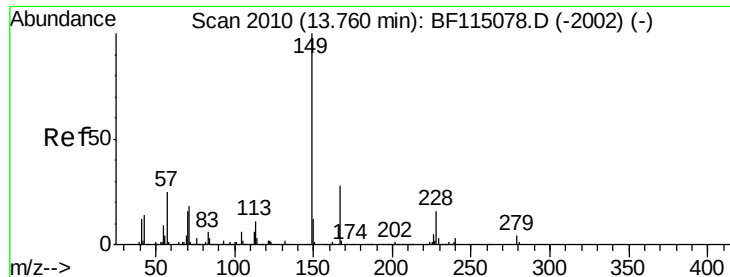
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.9	26.9
203	32.3	14.6	21.8#



#79
Terphenyl-d14
Concen: 36.196 ng
RT: 12.70 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115170.D
Acq: 25 Jun 2019 1:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	14.3	10.4	15.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 10.824 ng

RT: 13.76 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BF115170.D

Acq: 25 Jun 2019 1:41

Instrument :

BNA_F

ClientSampleId :

B-6(7.5-8)

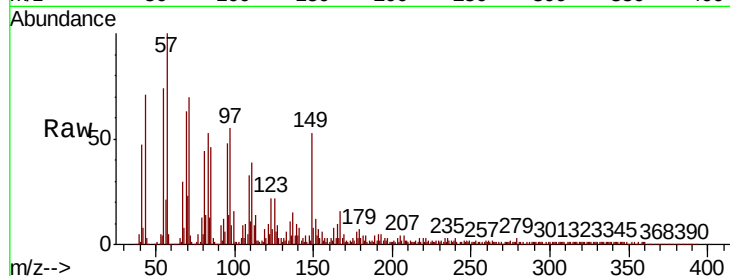
Tot Ion:149 Resp: 199952

Ion Ratio Lower Upper

149 100

167 30.0 22.2 33.4

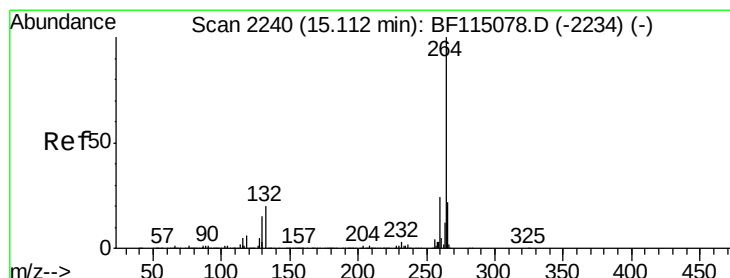
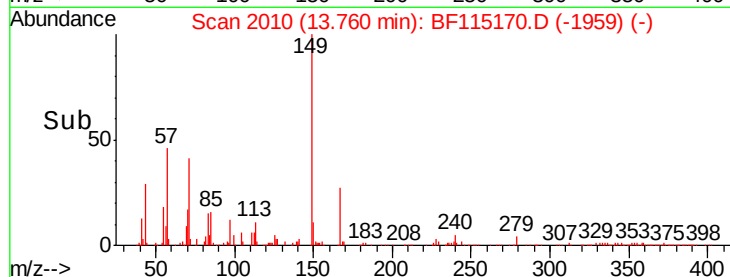
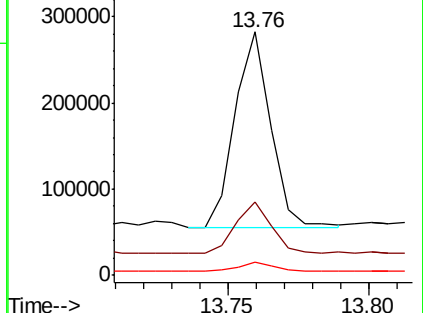
279 5.2 2.9 4.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.13 min Scan# 2243

Delta R.T. 0.02 min

Lab File: BF115170.D

Acq: 25 Jun 2019 1:41

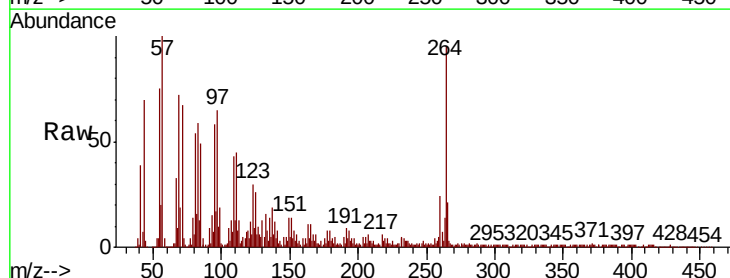
Tgt Ion:264 Resp: 486088

Ion Ratio Lower Upper

264 100

260 25.0 19.6 29.4

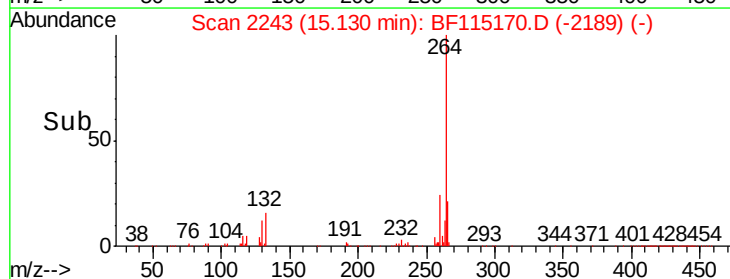
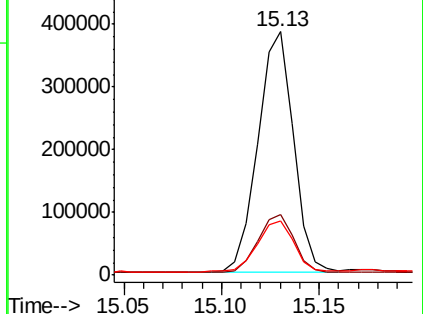
265 22.3 17.3 25.9

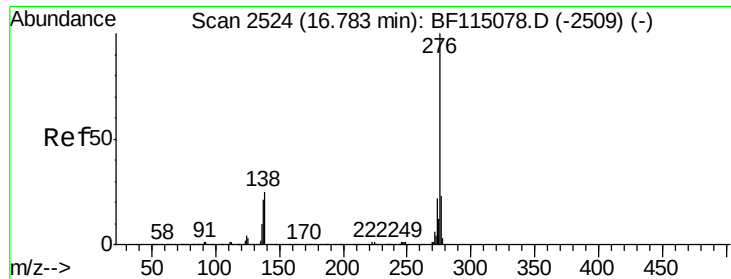


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#92

Benzo(a,h,i)perylene

Concen: 2.225 ng

RT: 16.78 min Scan# 2524

Delta R.T. 0.00 min

Lab File: BF115170.D

Acq: 25 Jun 2019 1:41

Instrument :

BNA_F

ClientSampleId :

B-6(7.5-8)

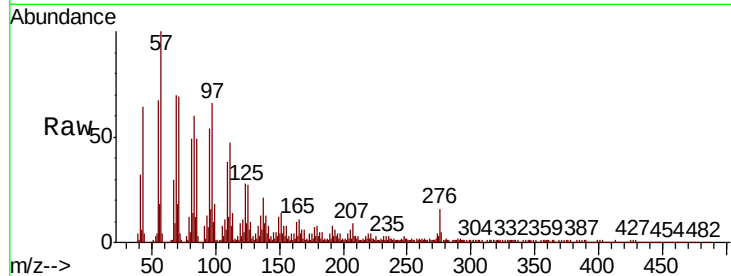
Tot Ion:276 Resp: 57473

Ion Ratio Lower Upper

276 100

277 32.6 18.6 28.0#

138 57.2 19.8 29.6#



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

