

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107962.D
 Acq On : 4 Aug 2018 2:46
 Operator : JU/SJ
 Sample : J4297-08 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 04 06:36:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	92278	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	239977	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	77367	20.00	ng	0.04
63) Phenanthrene-d10	11.53	188	169164	20.00	ng	0.03
75) Chrysene-d12	14.15	240	251240	20.00	ng	0.00
86) Perylene-d12	15.72	264	170500	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	228509	42.09	ng	0.00
7) Phenol-d6	6.60	99	424620	59.34	ng	0.00
23) Nitrobenzene-d5	7.52	82	82500	19.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	50389	47.93	ng	0.04
44) 2-Fluorobiphenyl	9.34	172	250420	45.10	ng	0.02
78) Terphenyl-d14	13.08	244	449146	38.77	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.80	88	229	5.873	ng	# 1
15) Benzyl Alcohol	7.12	79	30560	6.871	ng	# 48
18) Hexachloroethane	7.48	117	60879	21.270	ng	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	76540	16.861	ng	# 66
24) Nitrobenzene	7.52	77	23344	5.344	ng	# 50
25) Isophorone	7.76	82	142669	20.865	ng	# 1
26) 2-Nitrophenol	7.87	139	26699	12.180	ng	# 1
27) 2,4-Dimethylphenol	7.89	122	32186	10.967	ng	# 1
28) bis(2-Chloroethoxy)methane	8.04	93	36289	8.053	ng	# 1
29) 2,4-Dichlorophenol	8.08	162	20201	6.085	ng	# 1
30) 1,2,4-Trichlorobenzene	8.12	180	9106	2.404	ng	# 55
31) Naphthalene	8.27	128	25271	2.265	ng	# 1
32) Benzoic acid	8.02	122	27273	14.813	ng	# 30
33) 4-Chloroaniline	8.28	127	16937	3.555	ng	# 1
35) Caprolactam	8.67	113	325527	325.737	ng	# 9
36) 4-Chloro-3-methylphenol	8.78	107	10299	2.857	ng	# 33
42) 2,4,6-Trichlorophenol	9.24	196	11470	7.865	ng	# 13
43) 2,4,5-Trichlorophenol	9.32	196	5875	3.346	ng	# 1
47) 2-Nitroaniline	9.65	65	5608	3.247	ng	# 62
48) Acenaphthylene	9.91	152	21059	2.558	ng	# 1
49) Dimethylphthalate	9.72	163	47349	8.149	ng	# 3
50) 2,6-Dinitrotoluene	9.81	165	99229	78.585	ng	# 64
51) Acenaphthene	10.08	154	52214	10.920	ng	# 52
52) 3-Nitroaniline	10.00	138	7633	4.797	ng	# 29
53) 2,4-Dinitrophenol	10.06	184	1160	9.999	ng	# 1
54) Dibenzofuran	10.25	168	17014	2.302	ng	# 1
55) 4-Nitrophenol	10.18	139	9447	20.459	ng	# 1
56) 2,4-Dinitrotoluene	10.25	165	48407	29.167	ng	# 63
57) Fluorene	10.59	166	36687	6.387	ng	# 36
61) 4-Nitroaniline	10.50	138	25041	17.734	ng	# 89
62) Azobenzene	10.75	77	30518	5.245	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.65	198	4092	4.446	ng	# 1
65) n-Nitrosodiphenylamine	10.70	169	649490	116.602	ng	# 43
68) Atrazine	11.24	200	3389	2.056	ng	# 1

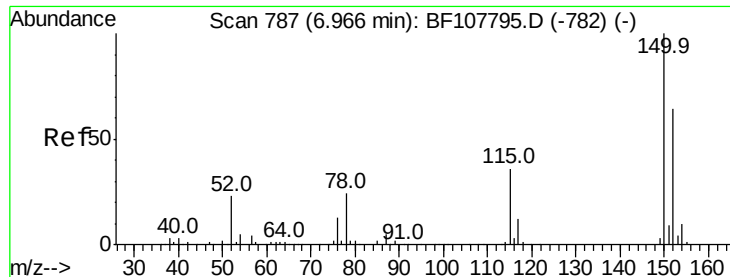
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Phenanthrene	11.55	178	163409	20.344	ng	# 35
71) Anthracene	11.64	178	254452	27.464	ng	# 1
72) Carbazole	11.78	167	26737	2.920	ng	# 1
74) Fluoranthene	12.73	202	189936	20.128	ng	91
77) Pyrene	12.96	202	264780	14.636	ng	# 84
80) Benzo(a)anthracene	14.15	228	60605	4.258	ng	# 67
82) Chrysene	14.15	228	63062	4.108	ng	# 72
87) Benzo(b)fluoranthene	15.25	252	62958	7.487	ng	# 1
88) Benzo(k)fluoranthene	15.25	252	63364	6.137	ng	# 1
89) Benzo(a)pyrene	15.66	252	20032	2.308	ng	# 1
91) Benzo(a,h,i)perylene	17.82	276	16563	2.261	ng	# 1

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

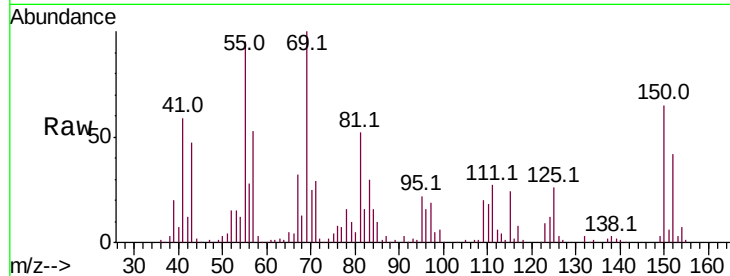


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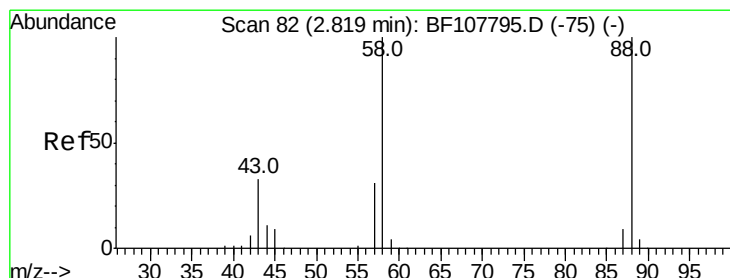
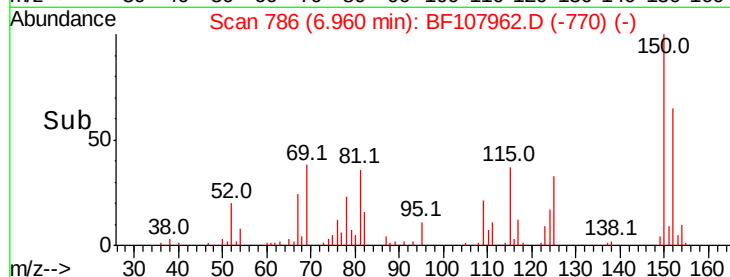
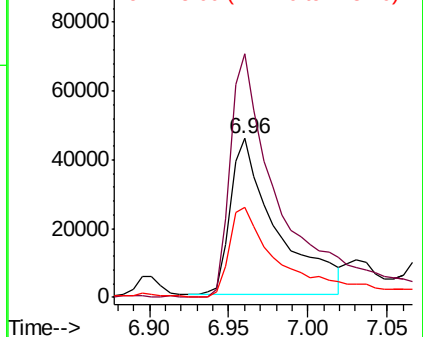
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 92278
Ion Ratio Lower Upper
152 100
150 153.2 124.6 186.8
115 56.4 50.1 75.1



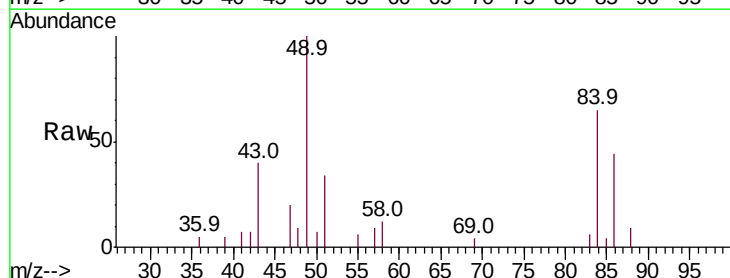
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



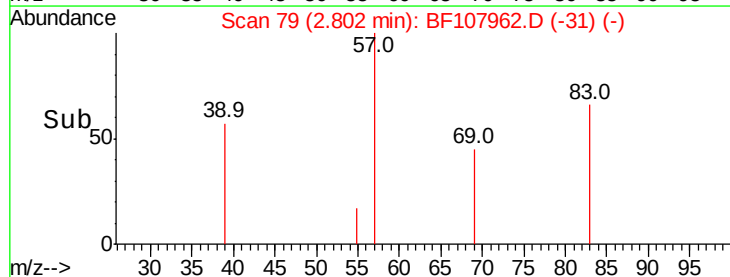
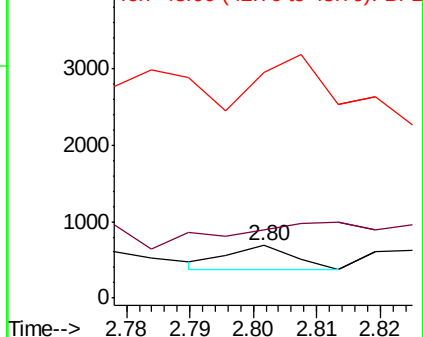
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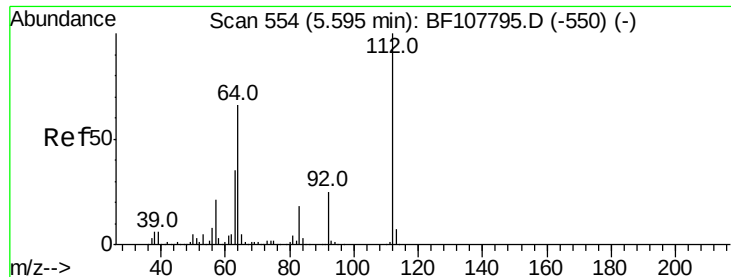
1,4-Dioxane
Concen: 5.873 ng
RT: 2.80 min Scan# 79
Delta R.T. -0.02 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

Tgt Ion: 88 Resp: 229
Ion Ratio Lower Upper
88 100
58 240.6 62.6 93.8#
43 342.8 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 42.086 ng

RT: 5.60 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

Instrument :

BNA_F

ClientSampleId :

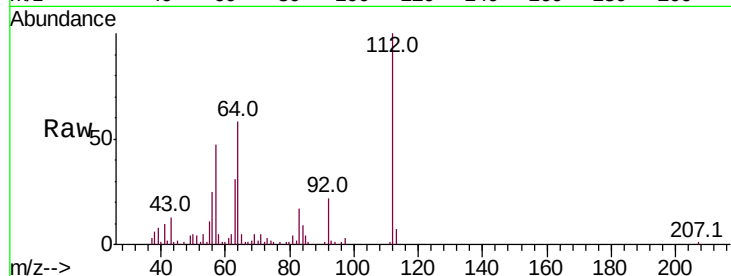
Tot Ion:112 Resp: 228509

Ion Ratio Lower Upper

112 100

64 58.2 47.9 71.9

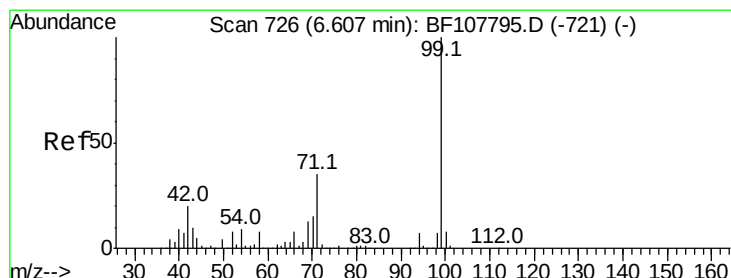
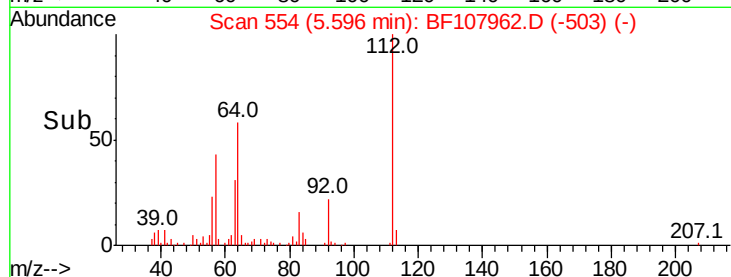
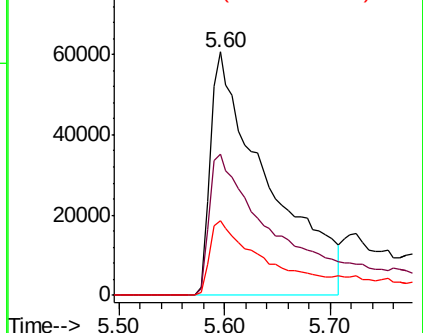
63 30.7 23.7 35.5



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: 59.339 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

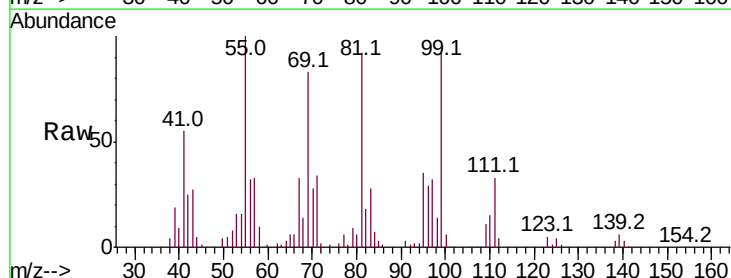
Tgt Ion: 99 Resp: 424620

Ion Ratio Lower Upper

99 100

42 26.5 14.5 21.7#

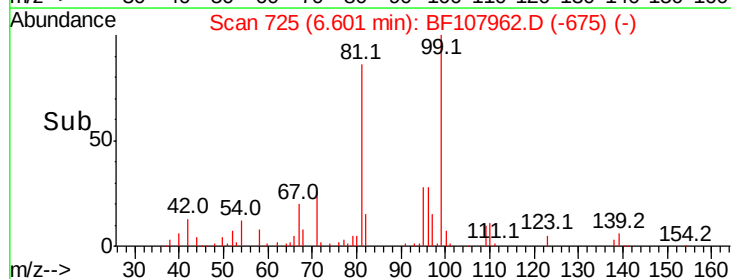
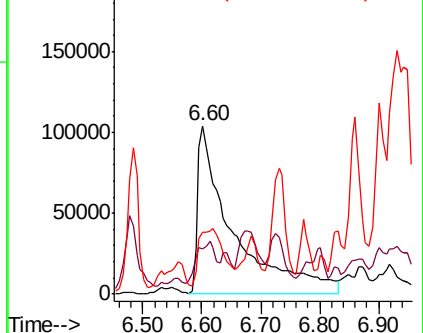
71 36.5 25.4 38.0

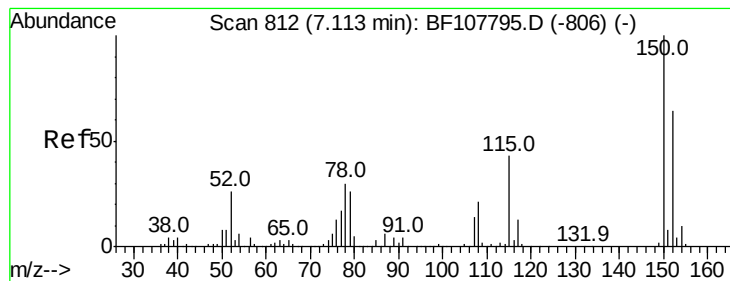


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#15

Benzyl Alcohol

Concen: 6.871 ng

RT: 7.12 min Scan# 813

Delta R.T. 0.01 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

Instrument :

BNA_F

ClientSampleId :

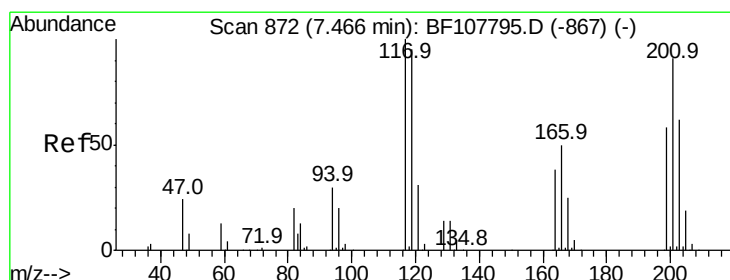
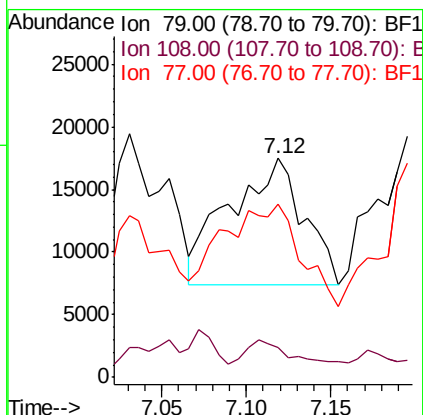
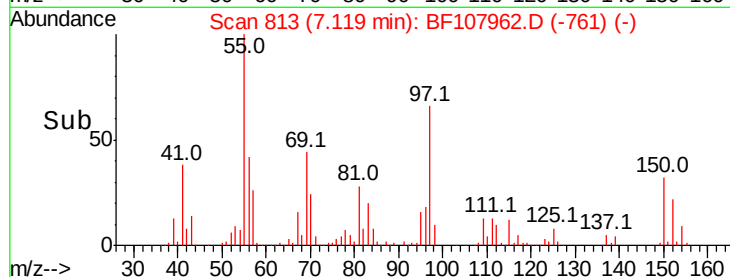
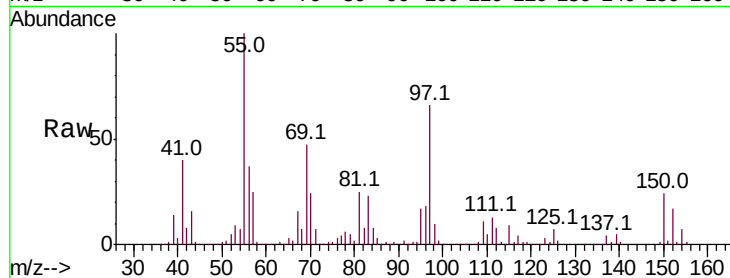
Tot Ion: 79 Resp: 30560

Ion Ratio Lower Upper

79 100

108 13.6 65.1 97.7#

77 79.2 50.6 75.8#



#18

Hexachloroethane

Concen: 21.270 ng

RT: 7.48 min Scan# 875

Delta R.T. 0.02 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

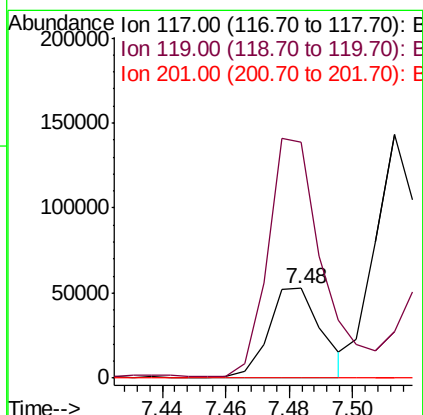
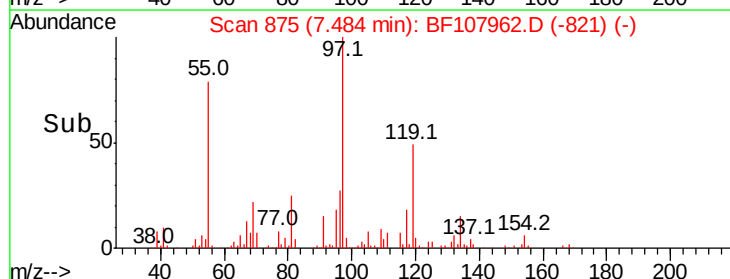
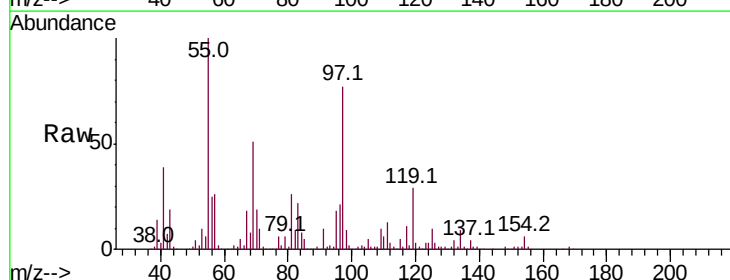
Tgt Ion: 117 Resp: 60879

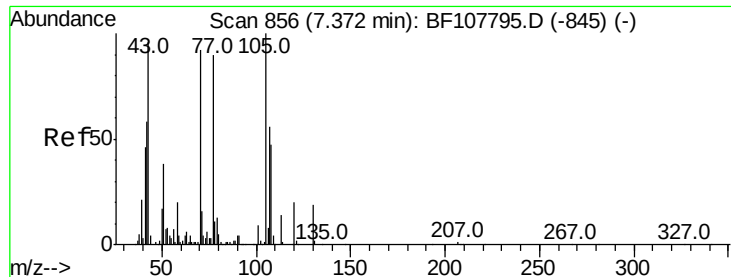
Ion Ratio Lower Upper

117 100

119 263.0 75.8 113.8#

201 0.0 75.7 113.5#

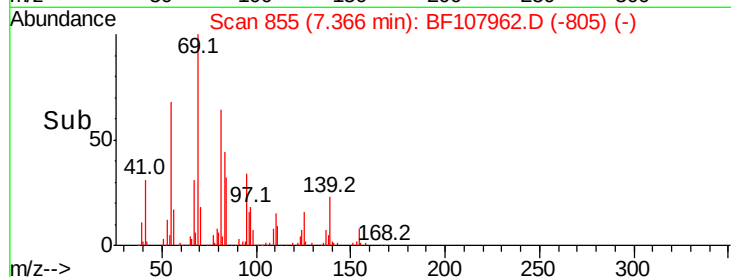
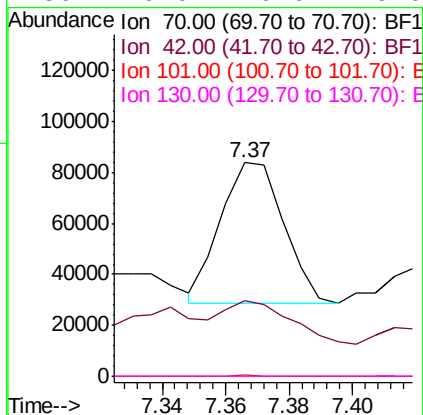
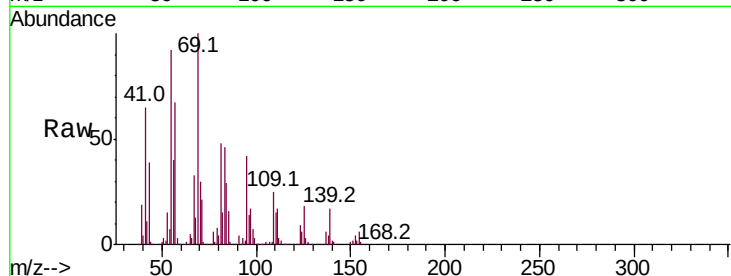




#19
n-Nitroso-di-n-propylamine
Concen: 16.861 ng
RT: 7.37 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

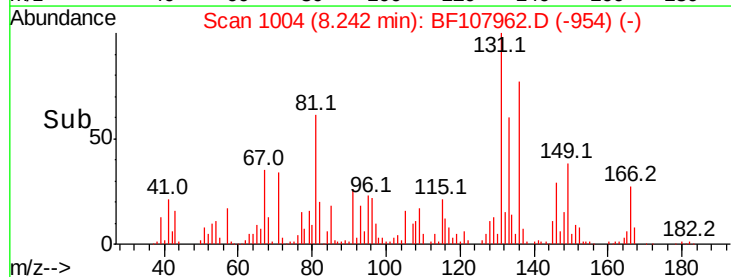
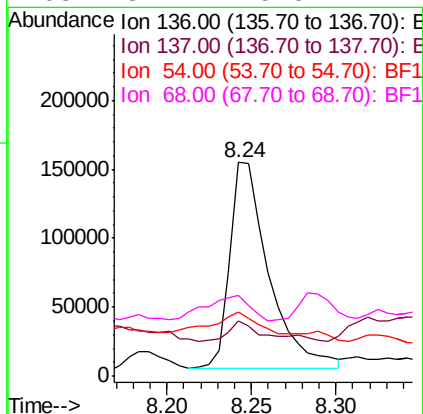
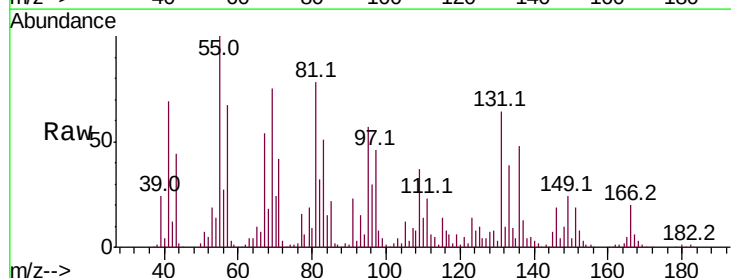
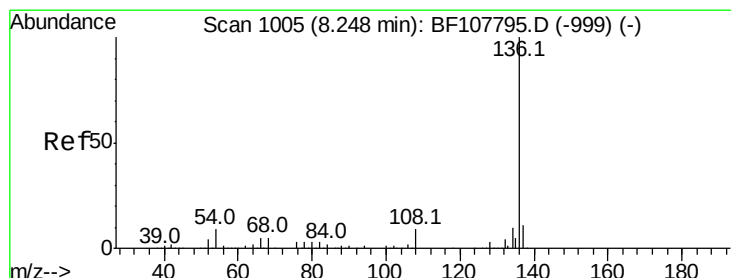
Instrument :
BNA_F
ClientSampleId :

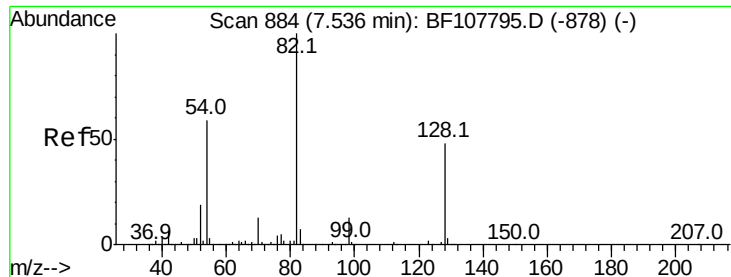
Tot Ion: 70 Resp: 76540
Ion Ratio Lower Upper
70 100
42 35.5 47.5 71.3#
101 0.4 7.4 11.2#
130 0.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

Tgt Ion:136 Resp: 239977
Ion Ratio Lower Upper
136 100
137 26.0 8.9 13.3#
54 29.8 6.6 9.8#
68 37.7 5.0 7.4#

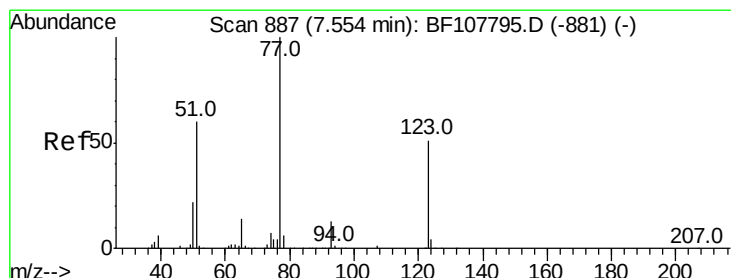
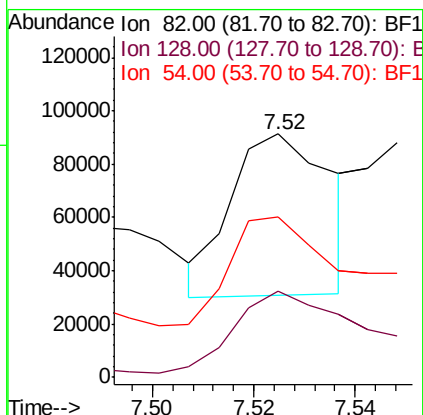
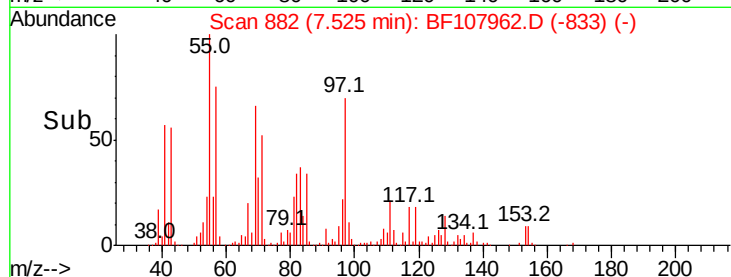
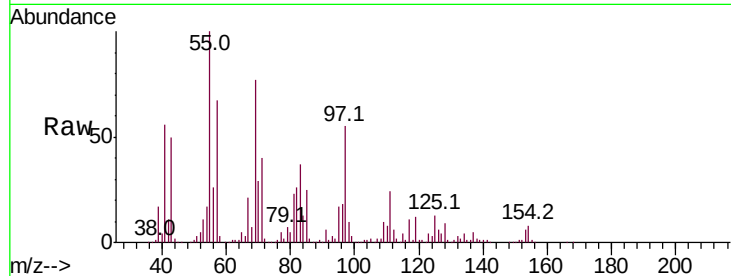




#23
 Nitrobenzene-d5
 Concen: 19.805 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF107962.D
 Acq: 4 Aug 2018 2:46

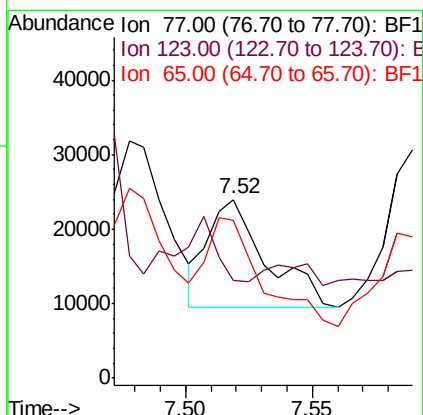
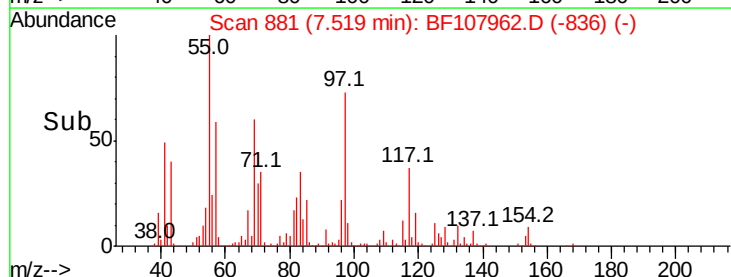
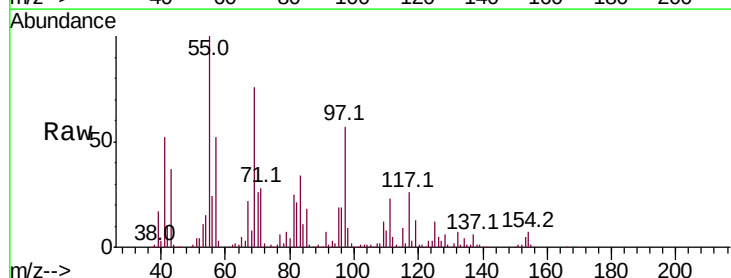
Instrument :
 BNA_F
 ClientSampleId :

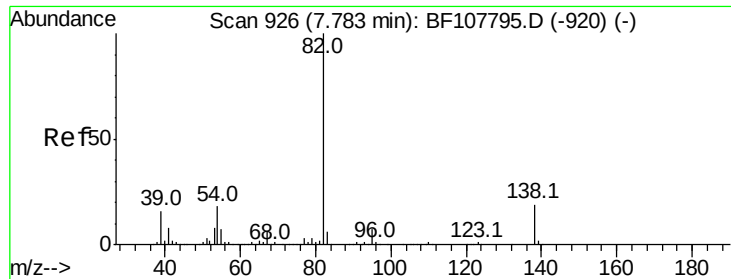
Tot Ion: 82 Resp: 82500
 Ion Ratio Lower Upper
 82 100
 128 35.4 36.1 54.1#
 54 65.7 41.4 62.2#



#24
 Nitrobenzene
 Concen: 5.344 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.04 min
 Lab File: BF107962.D
 Acq: 4 Aug 2018 2:46

Tgt Ion: 77 Resp: 23344
 Ion Ratio Lower Upper
 77 100
 123 54.5 37.9 56.9
 65 88.3 11.0 16.4#





#25

Isophorone

Concen: 20.865 ng

RT: 7.76 min Scan# 922

Delta R.T. -0.02 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

Instrument :

BNA_F

ClientSampled :

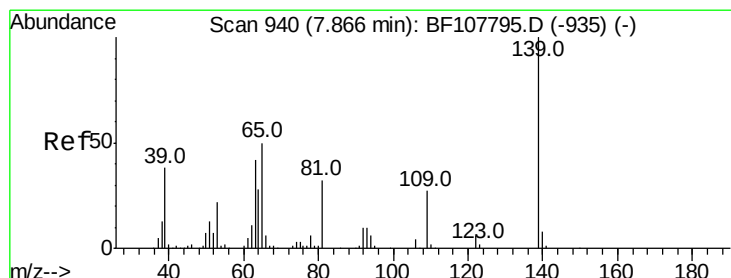
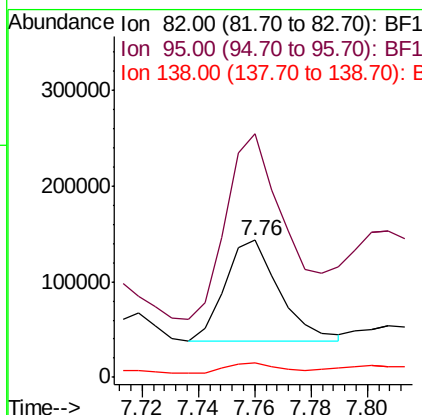
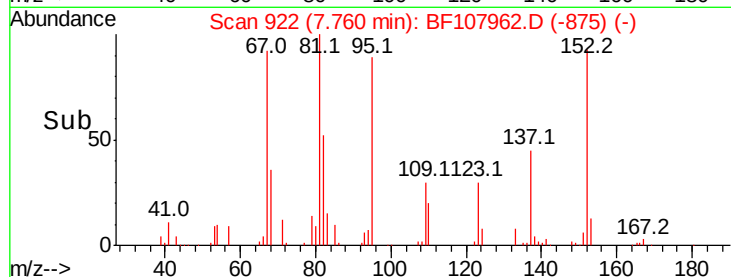
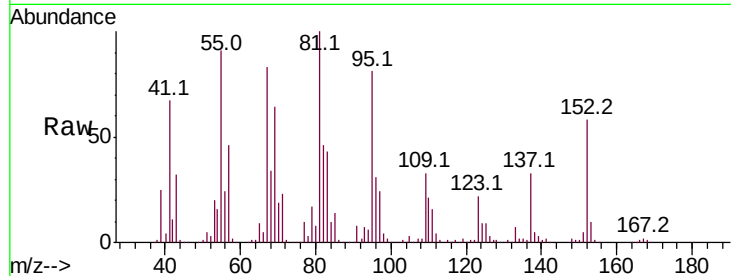
Tot Ion: 82 Resp: 142669

Ion Ratio Lower Upper

82 100

95 177.8 5.2 7.8#

138 10.8 14.9 22.3#



#26

2-Nitrophenol

Concen: 12.180 ng

RT: 7.87 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

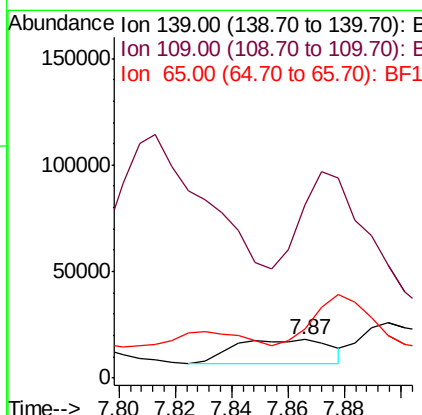
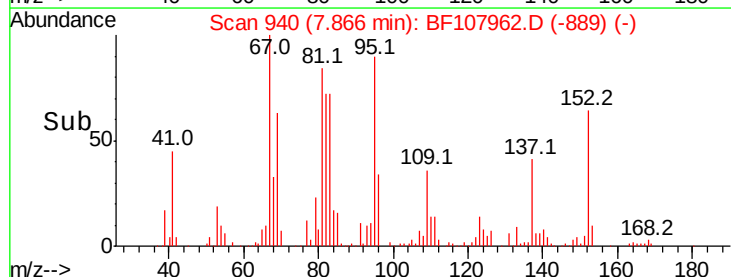
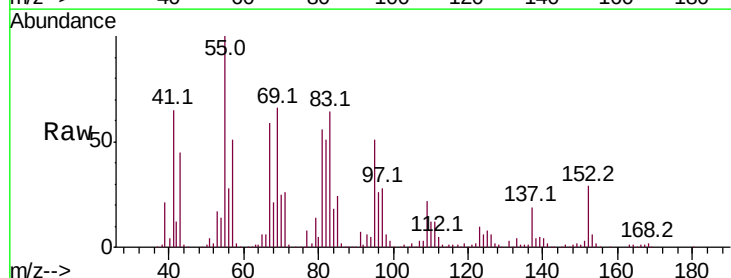
Tgt Ion: 139 Resp: 26699

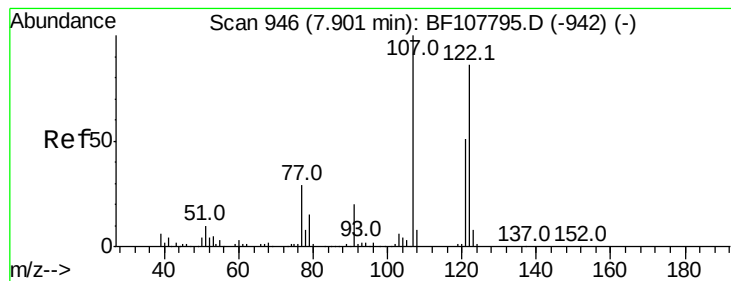
Ion Ratio Lower Upper

139 100

109 450.2 22.7 34.1#

65 128.4 40.5 60.7#





#27

2,4-Dimethylphenol

Concen: 10.967 ng

RT: 7.89 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

Instrument :

BNA_F

ClientSampleId :

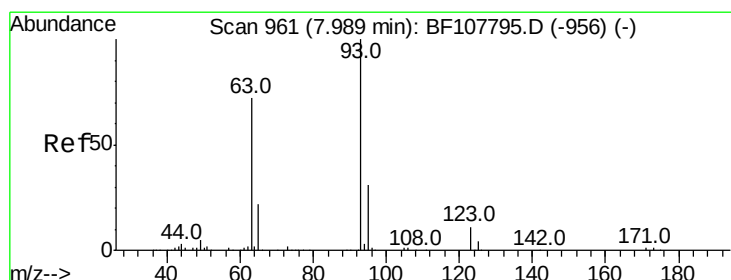
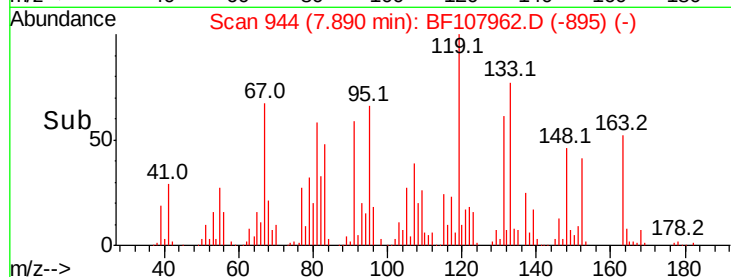
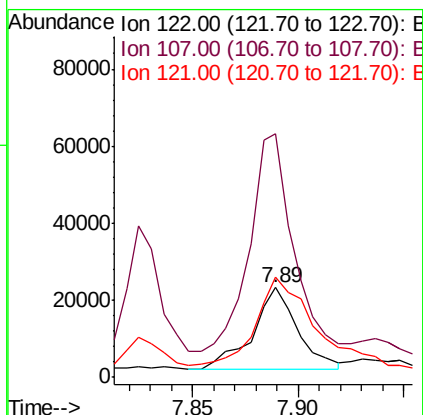
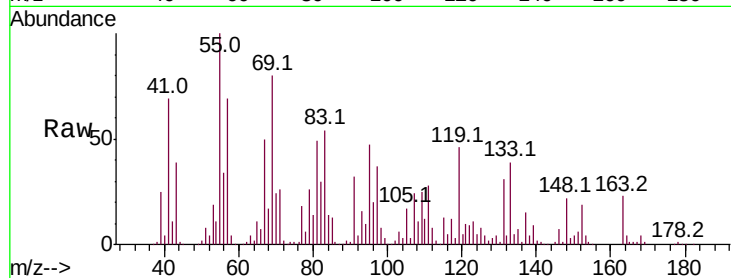
Tot Ion:122 Resp: 32186

Ion Ratio Lower Upper

122 100

107 272.1 91.2 136.8#

121 112.4 47.2 70.8#



#28

bis(2-Chloroethoxy)methane

Concen: 8.053 ng

RT: 8.04 min Scan# 969

Delta R.T. 0.05 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

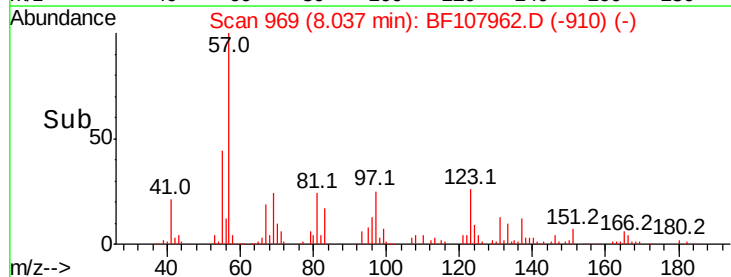
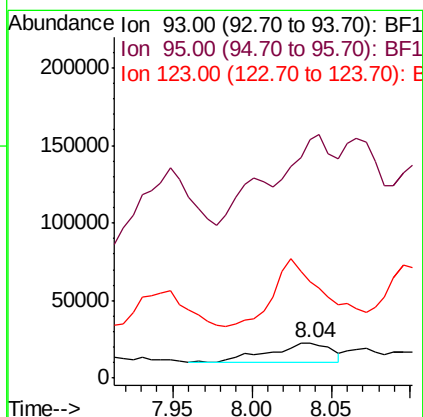
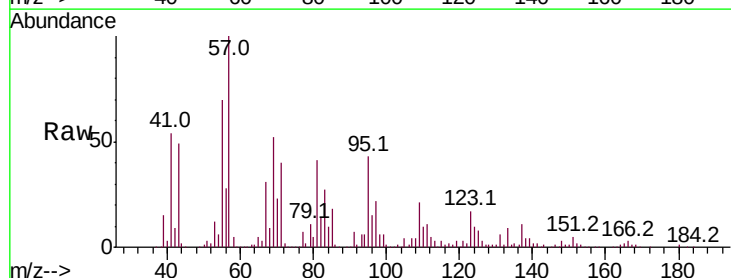
Tgt Ion: 93 Resp: 36289

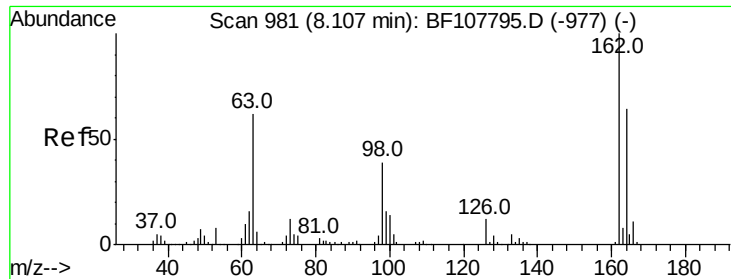
Ion Ratio Lower Upper

93 100

95 670.1 26.3 39.5#

123 269.2 9.8 14.6#





#29

2,4-Dichlorophenol

Concen: 6.085 ng

RT: 8.08 min Scan# 976

Delta R.T. -0.03 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

Instrument :

BNA_F

ClientSampleId :

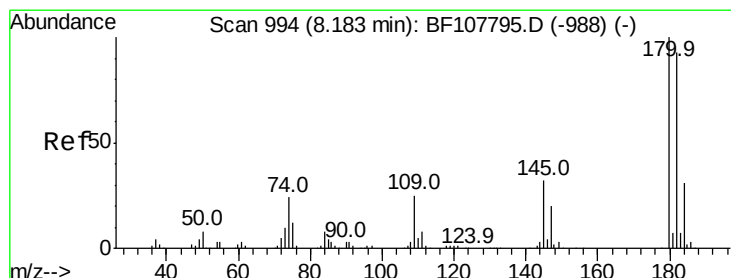
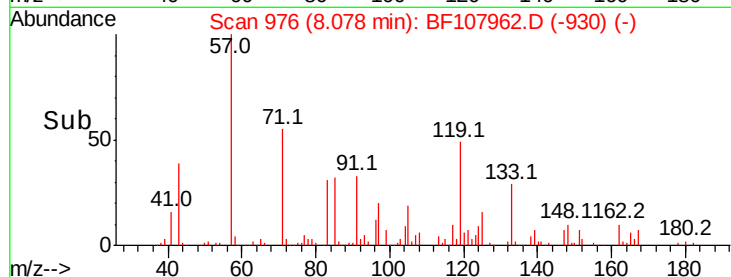
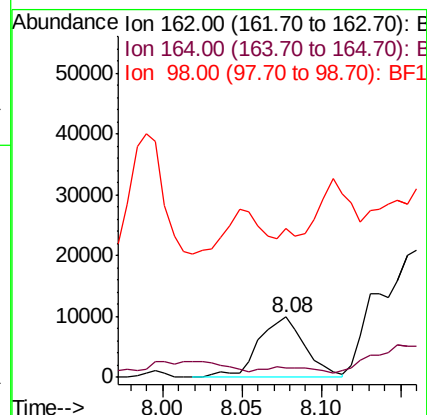
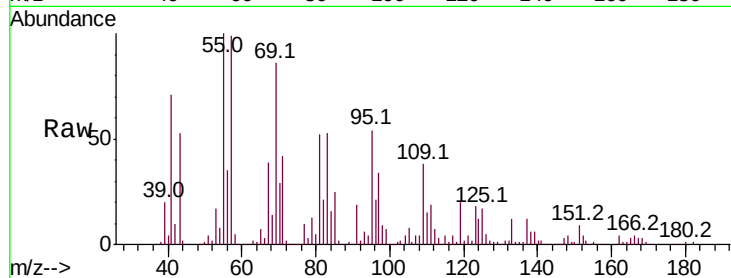
Tot Ion:162 Resp: 20201

Ion Ratio Lower Upper

162 100

164 16.4 42.7 82.7#

98 248.0 18.1 58.1#



#30

1,2,4-Trichlorobenzene

Concen: 2.404 ng

RT: 8.12 min Scan# 984

Delta R.T. -0.06 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

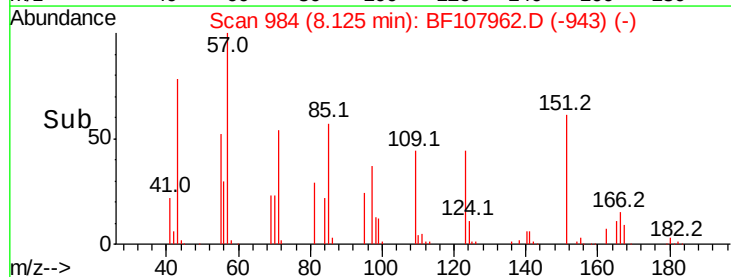
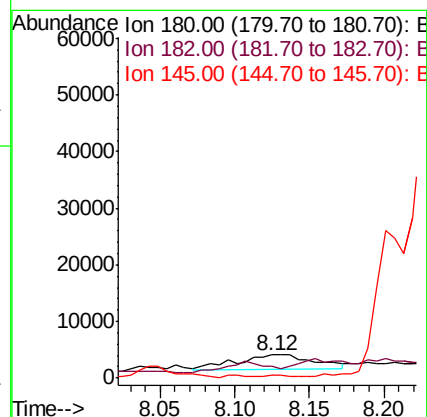
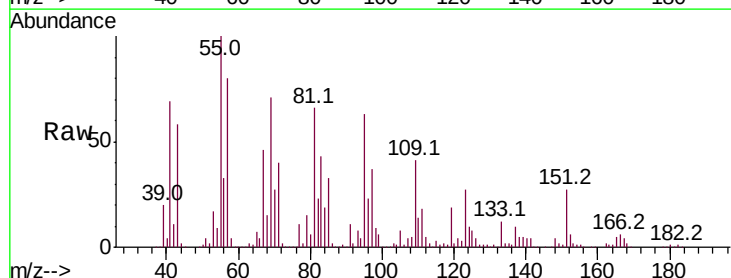
Tgt Ion:180 Resp: 9106

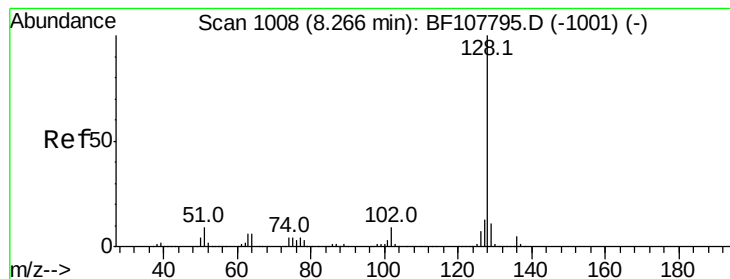
Ion Ratio Lower Upper

180 100

182 50.3 76.8 115.2#

145 11.3 26.5 39.7#





#31

Naphthalene

Concen: 2.265 ng

RT: 8.27 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

Instrument :

BNA_F

ClientSampled :

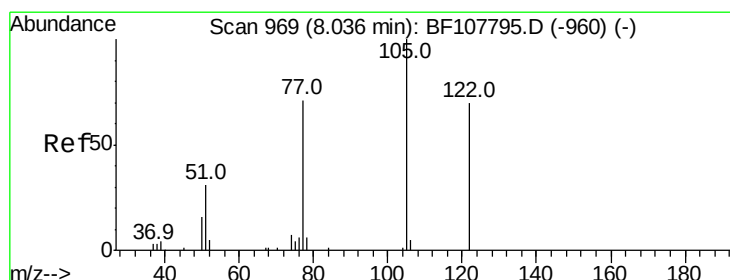
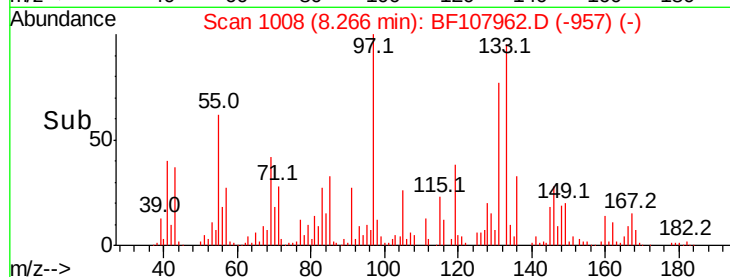
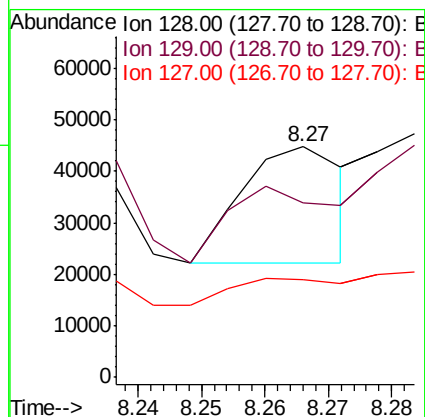
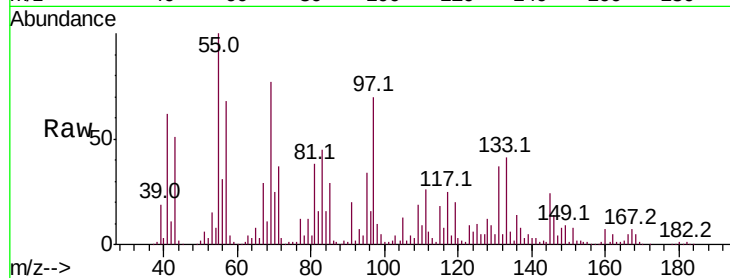
Tot Ion:128 Resp: 25271

Ion Ratio Lower Upper

128 100

129 76.1 8.8 13.2#

127 42.5 10.9 16.3#



#32

Benzoic acid

Concen: 14.813 ng

RT: 8.02 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

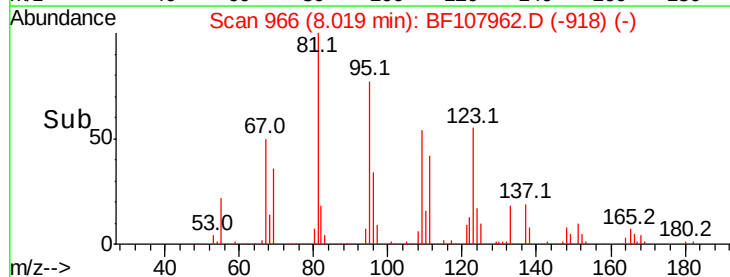
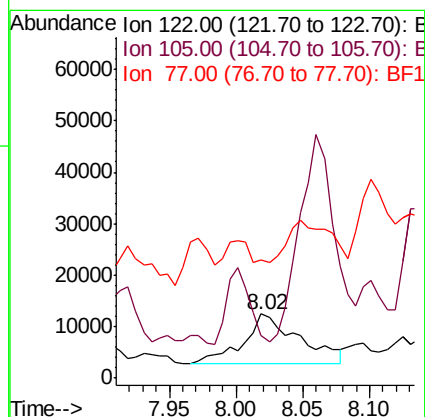
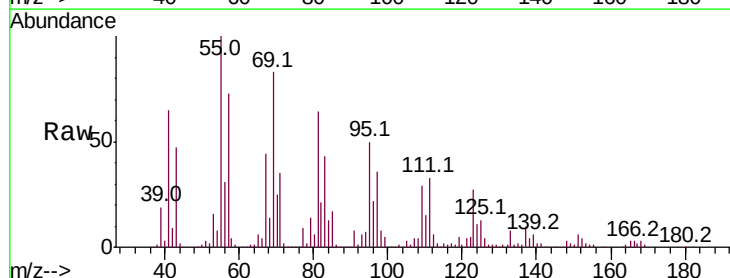
Tgt Ion:122 Resp: 27273

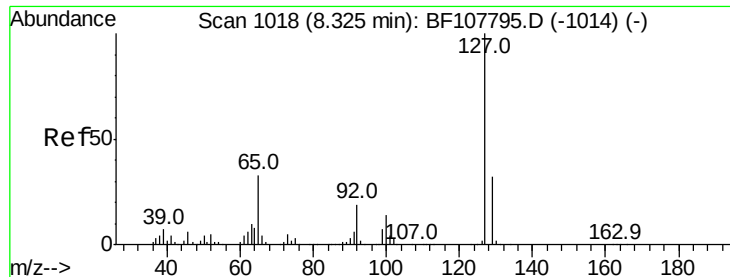
Ion Ratio Lower Upper

122 100

105 66.6 101.1 141.1#

77 183.9 70.7 110.7#

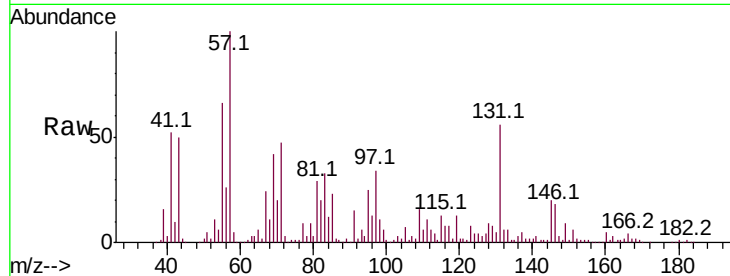




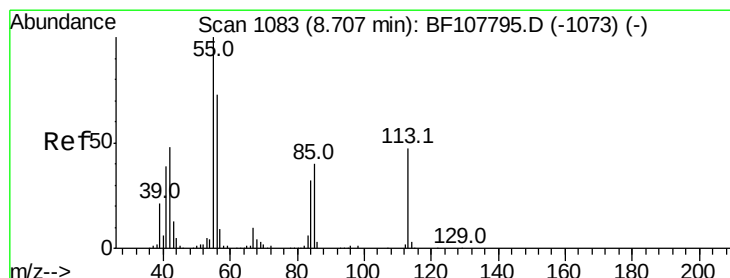
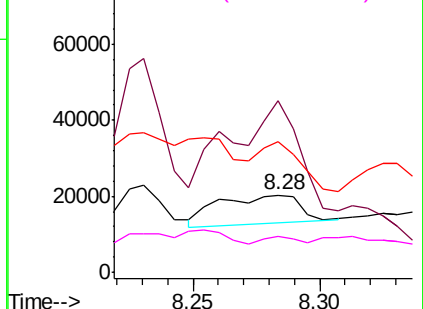
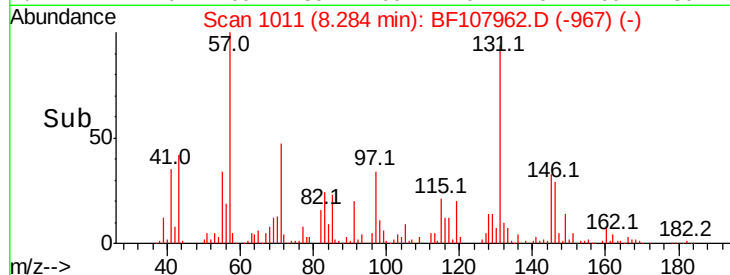
#33
 4-Chloroaniline
 Concen: 3.555 ng
 RT: 8.28 min Scan# 1011
 Delta R.T. -0.04 min
 Lab File: BF107962.D
 Acq: 4 Aug 2018 2:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	127	Resp:	16937
Ion	Ratio	Lower	Upper
127	100		
129	221.0	25.9	38.9#
65	168.0	25.0	37.4#
92	46.4	15.2	22.8#

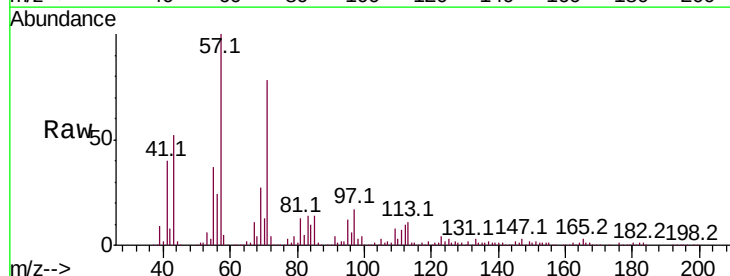


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1

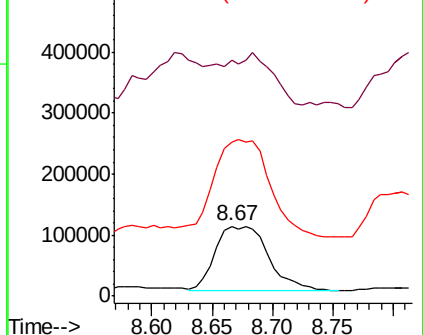
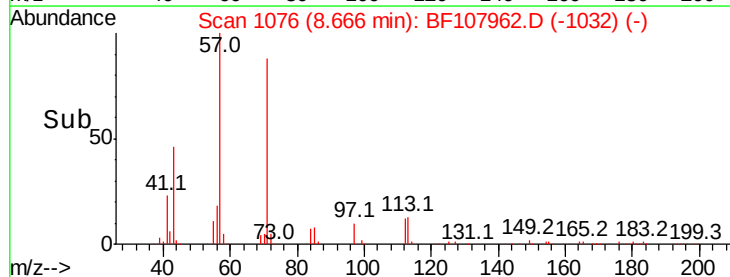


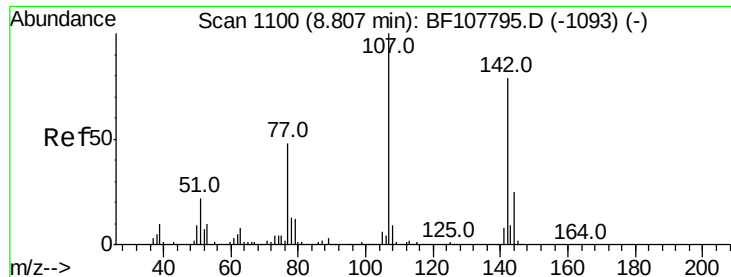
#35
 Caprolactam
 Concen: 325.737 ng
 RT: 8.67 min Scan# 1076
 Delta R.T. -0.04 min
 Lab File: BF107962.D
 Acq: 4 Aug 2018 2:46

Tgt Ion:	113	Resp:	325527
Ion	Ratio	Lower	Upper
113	100		
55	336.1	163.3	203.3#
56	220.5	115.7	155.7#



Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

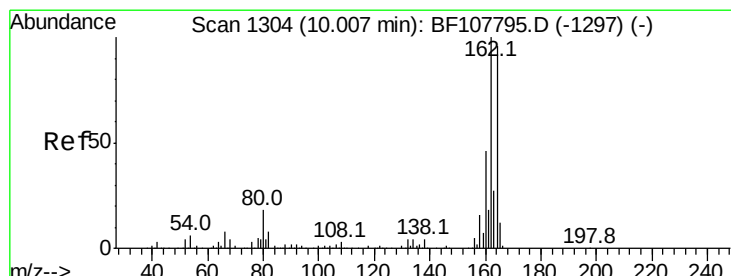
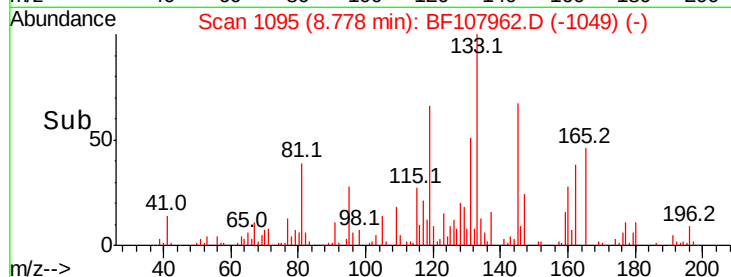
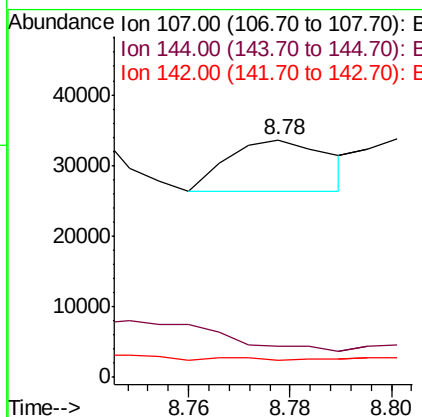
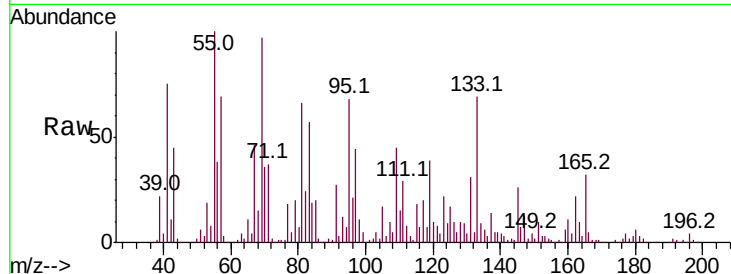




#36
4-Chloro-3-methylphenol
Concen: 2.857 ng
RT: 8.78 min Scan# 1095
Delta R.T. -0.03 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

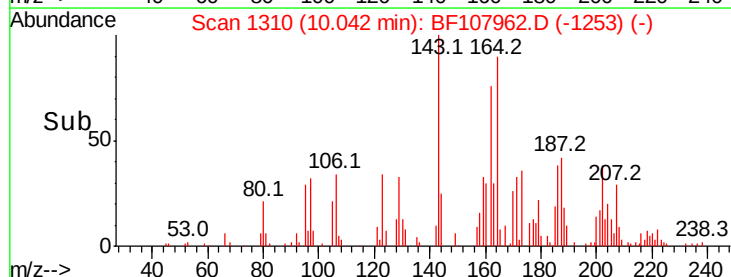
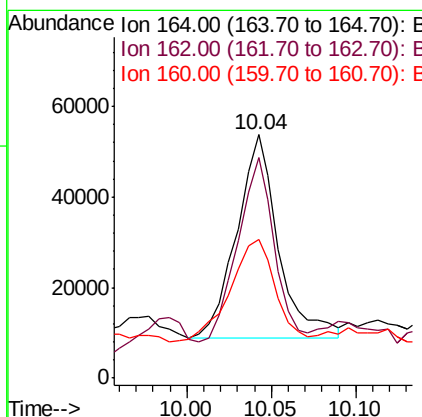
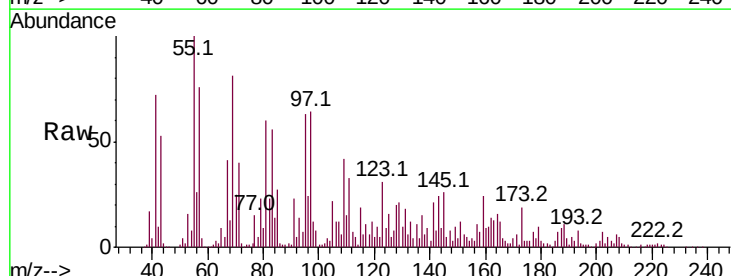
Instrument :
BNA_F
ClientSampled :

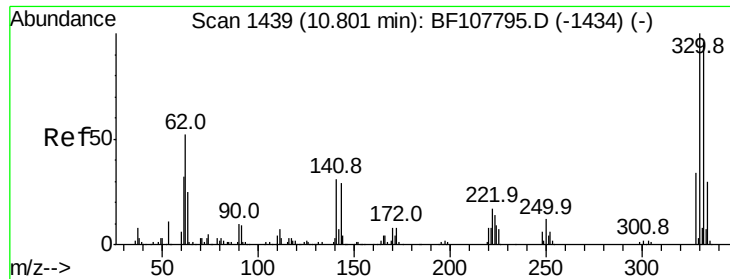
Tot Ion:107 Resp: 10299
Ion Ratio Lower Upper
107 100
144 13.2 20.5 30.7#
142 7.4 62.0 93.0#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.04 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

Tgt Ion:164 Resp: 77367
Ion Ratio Lower Upper
164 100
162 90.8 86.1 129.1
160 57.1 38.3 57.5

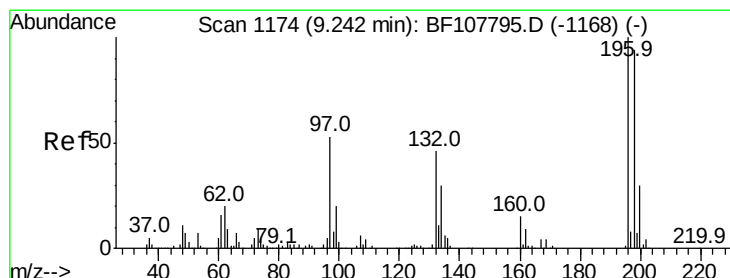
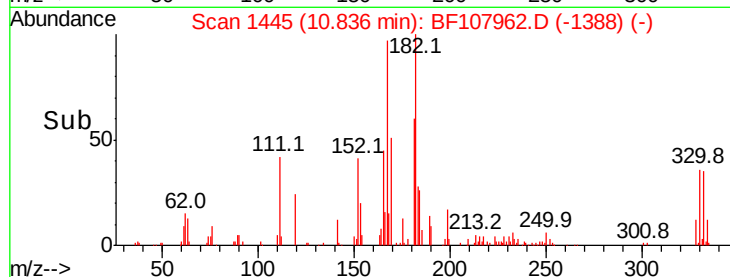
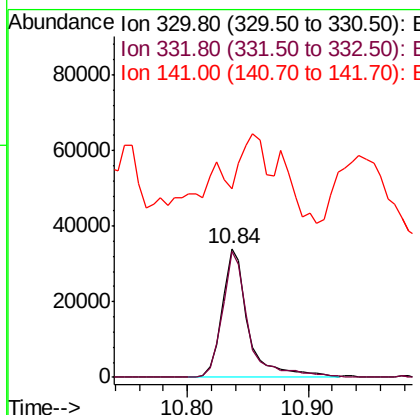
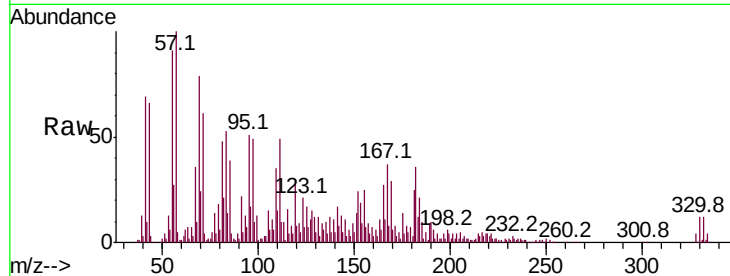




#41
 2,4,6-Tribromophenol
 Concen: 47.932 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.04 min
 Lab File: BF107962.D
 Acq: 4 Aug 2018 2:46

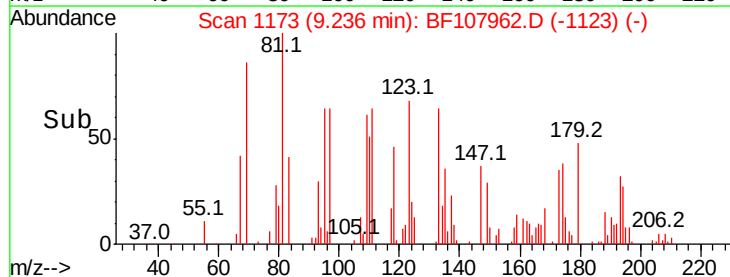
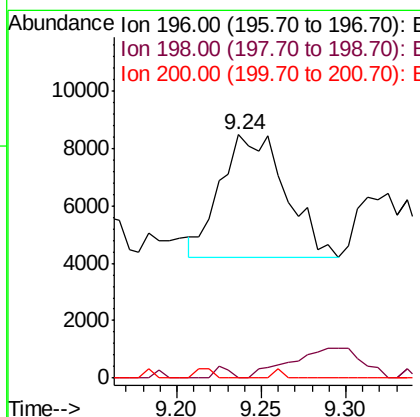
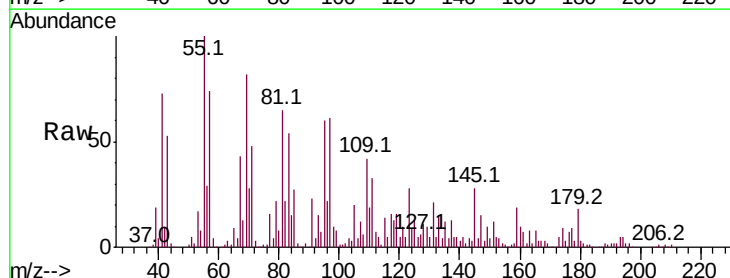
Instrument :
 BNA_F
 ClientSampled :

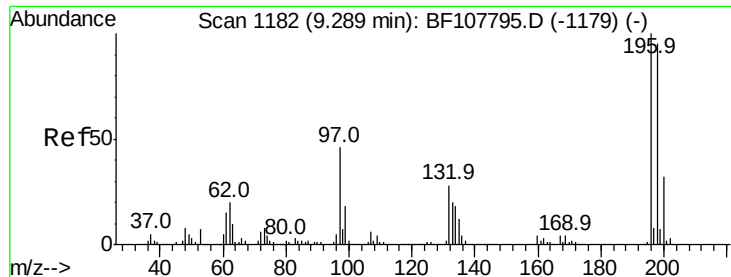
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.0	115.6
141	15.9	29.9	44.9#



#42
 2,4,6-Trichlorophenol
 Concen: 7.865 ng
 RT: 9.24 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF107962.D
 Acq: 4 Aug 2018 2:46

Tgt Ion	Ratio	Lower	Upper
196	100		
198	0.0	75.7	113.5#
200	0.0	24.5	36.7#

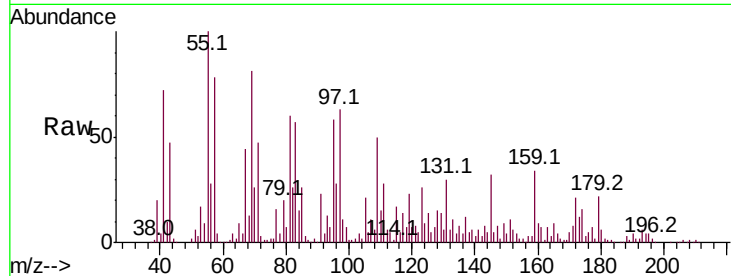




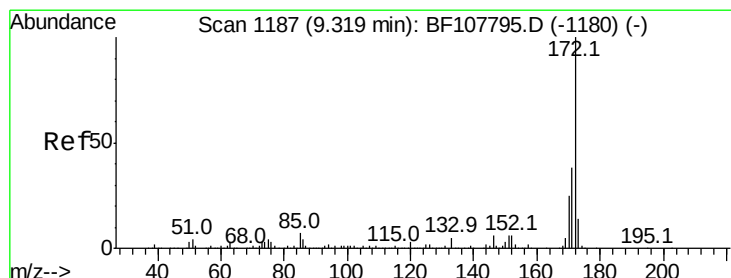
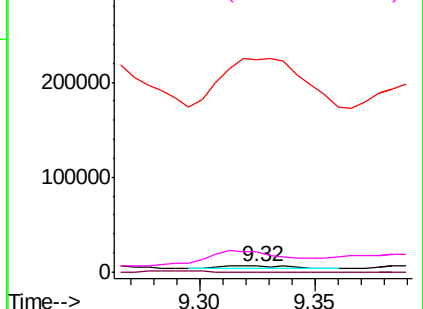
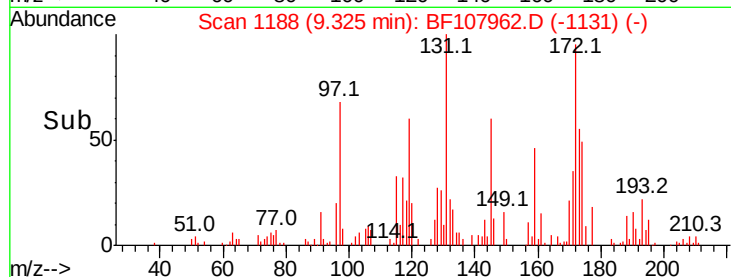
#43
 2,4,5-Trichlorophenol
 Concen: 3.346 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. 0.04 min
 Lab File: BF107962.D
 Acq: 4 Aug 2018 2:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:196 Resp: 5875
 Ion Ratio Lower Upper
 196 100
 198 0.0 74.6 112.0#
 97 3459.3 42.9 64.3#
 132 333.5 26.3 39.5#

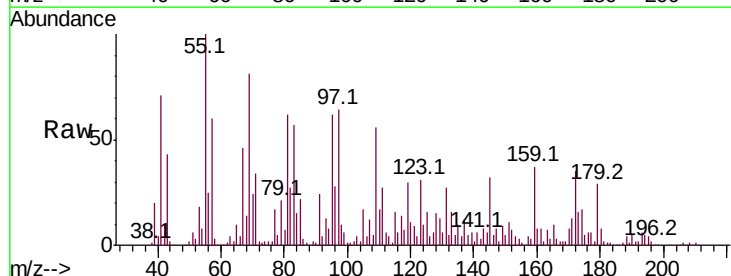


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

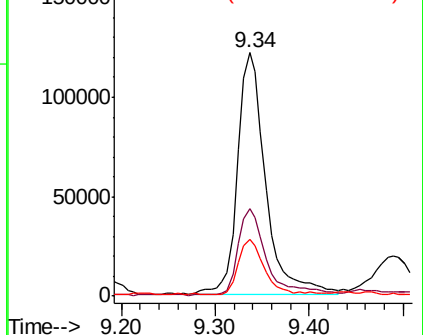
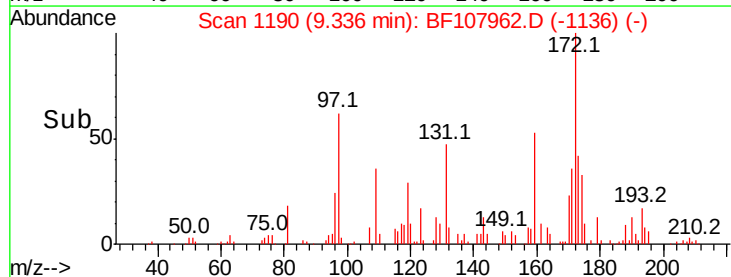


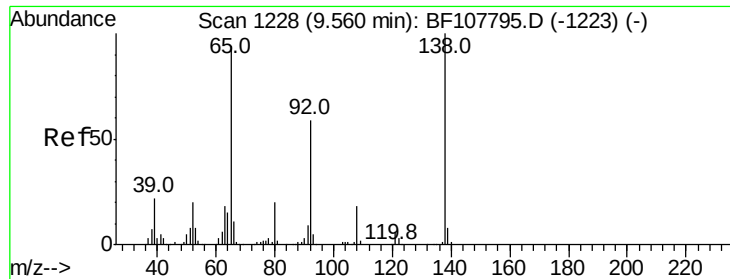
#44
 2-Fluorobiphenyl
 Concen: 45.104 ng
 RT: 9.34 min Scan# 1190
 Delta R.T. 0.02 min
 Lab File: BF107962.D
 Acq: 4 Aug 2018 2:46

Tgt Ion:172 Resp: 250420
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.3 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





#47

2-Nitroaniline

Concen: 3.247 ng

RT: 9.65 min Scan# 1243

Delta R.T. 0.09 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

Instrument :

BNA_F

ClientSampleId :

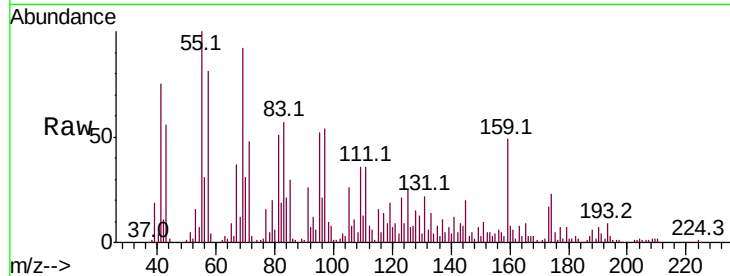
Tot Ion: 65 Resp: 5608

Ion Ratio Lower Upper

65 100

92 69.7 55.8 83.6

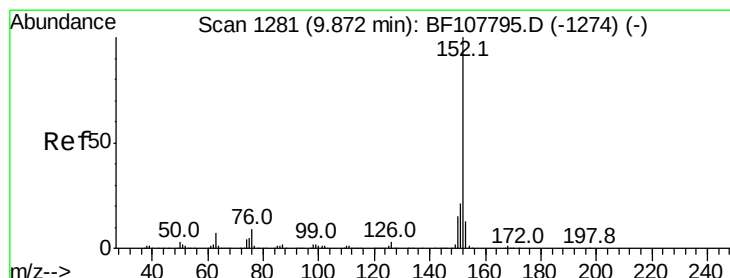
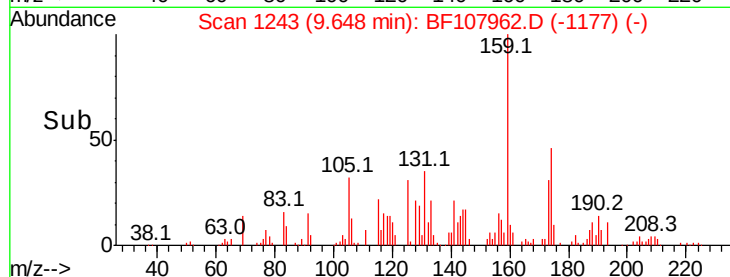
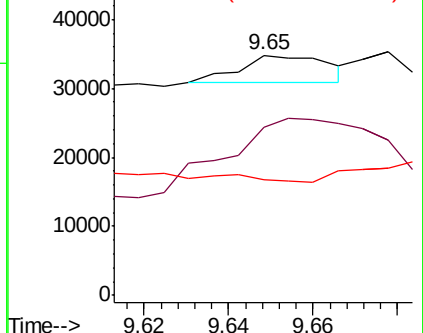
138 47.9 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#48

Acenaphthylene

Concen: 2.558 ng

RT: 9.91 min Scan# 1287

Delta R.T. 0.04 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

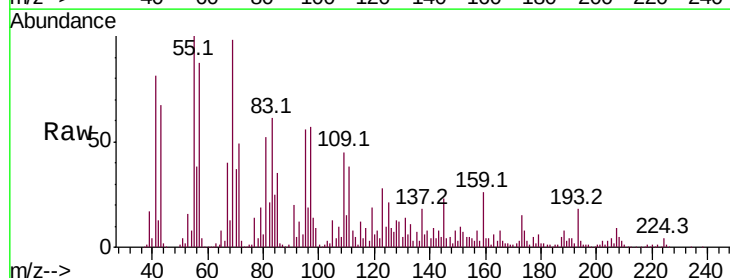
Tgt Ion: 152 Resp: 21059

Ion Ratio Lower Upper

152 100

151 145.6 16.3 24.5#

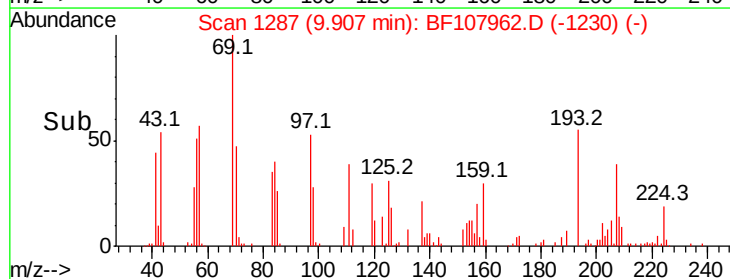
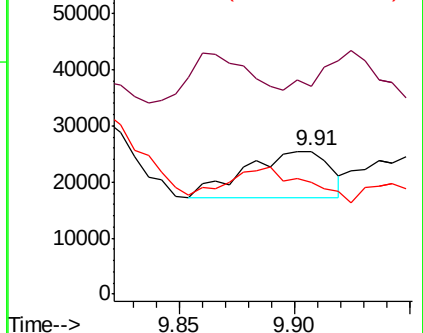
153 78.1 10.7 16.1#

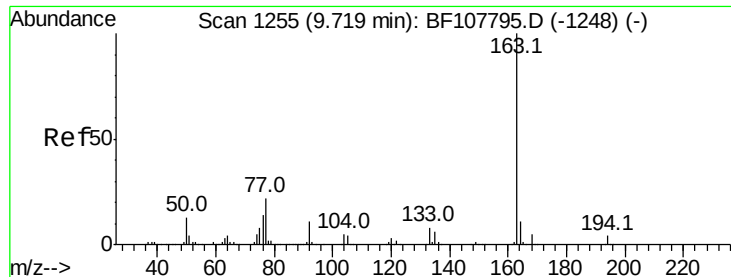


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

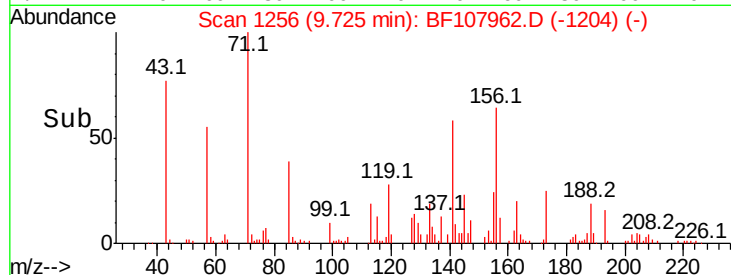
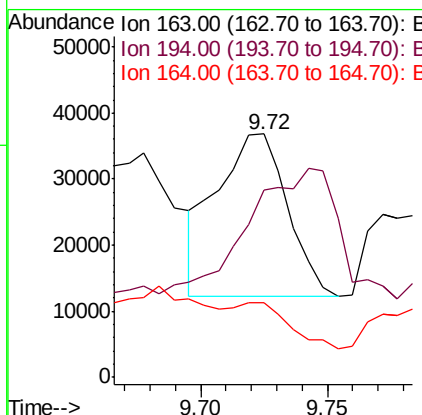
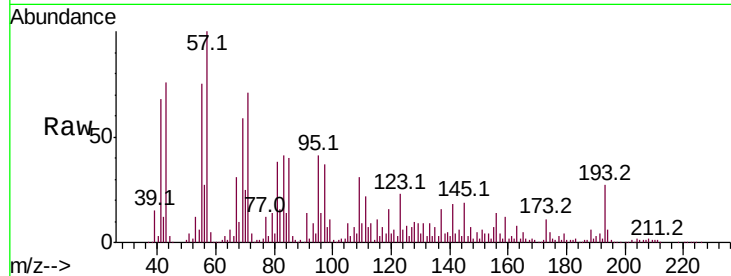




#49
Dimethylphthalate
Concen: 8.149 ng
RT: 9.72 min Scan# 1256
Delta R.T. 0.01 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

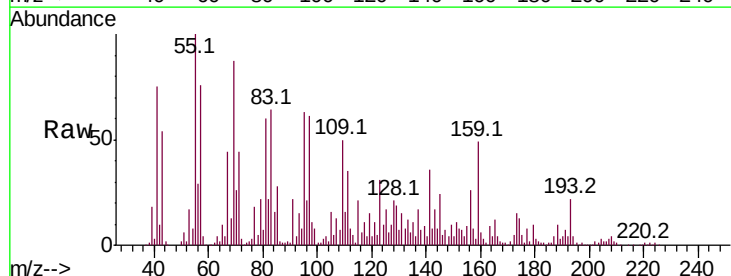
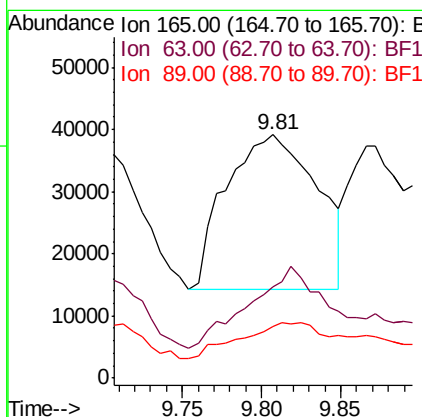
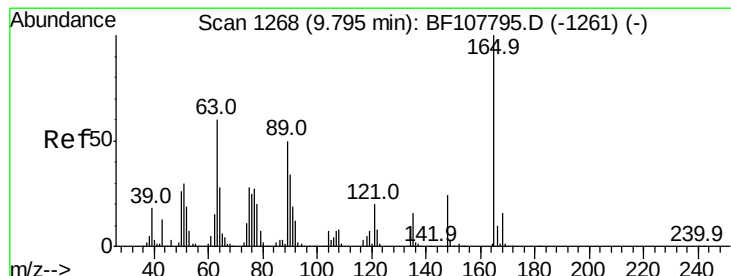
Instrument :
BNA_F
ClientSampled :

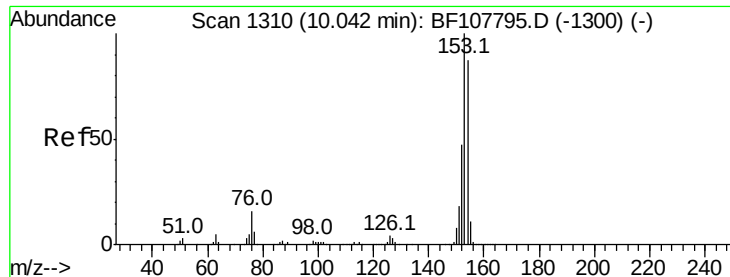
Tot Ion:163 Resp: 47349
Ion Ratio Lower Upper
163 100
194 77.1 2.7 4.1#
164 30.5 8.2 12.2#



#50
2,6-Dinitrotoluene
Concen: 78.585 ng
RT: 9.81 min Scan# 1270
Delta R.T. 0.01 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

Tgt Ion:165 Resp: 99229
Ion Ratio Lower Upper
165 100
63 37.3 44.7 67.1#
89 21.1 44.0 66.0#





#51

Acenaphthene

Concen: 10.920 ng

RT: 10.08 min Scan# 1316

Delta R.T. 0.04 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

Instrument :

BNA_F

ClientSampleId :

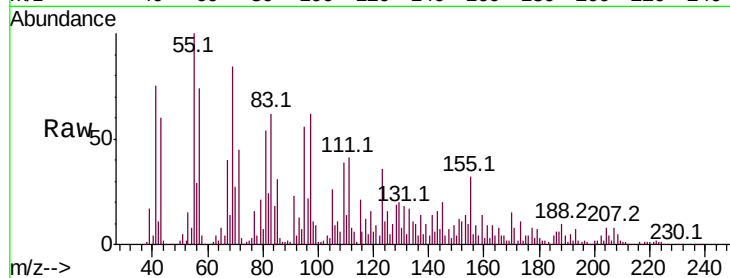
Tot Ion:154 Resp: 52214

Ion Ratio Lower Upper

154 100

153 148.1 91.2 136.8#

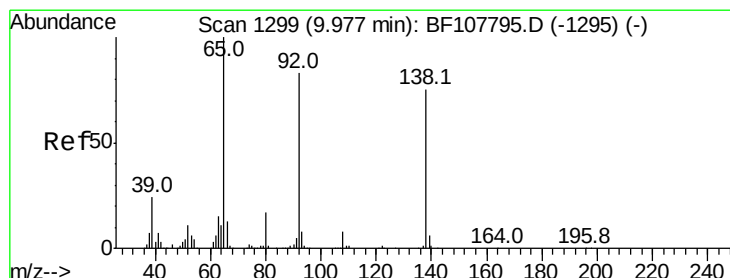
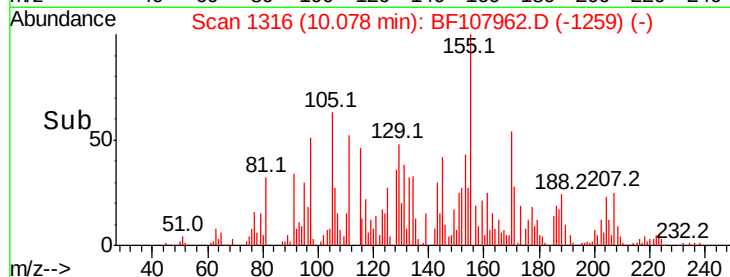
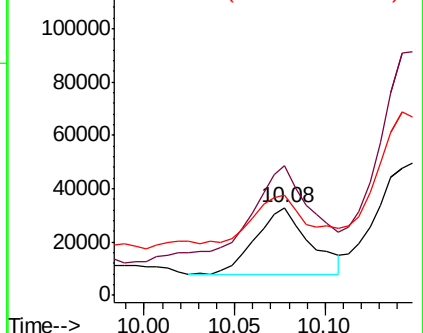
152 113.9 43.8 65.8#



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



#52

3-Nitroaniline

Concen: 4.797 ng

RT: 10.00 min Scan# 1302

Delta R.T. 0.02 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

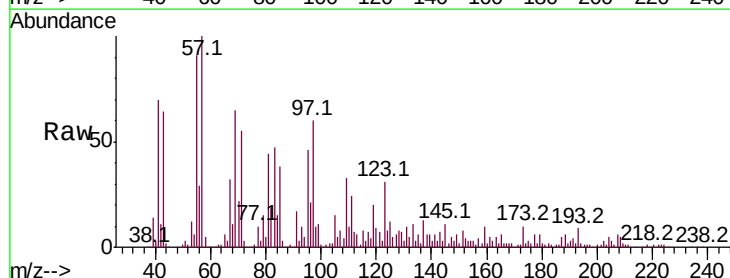
Tgt Ion:138 Resp: 7633

Ion Ratio Lower Upper

138 100

108 72.4 9.4 14.0#

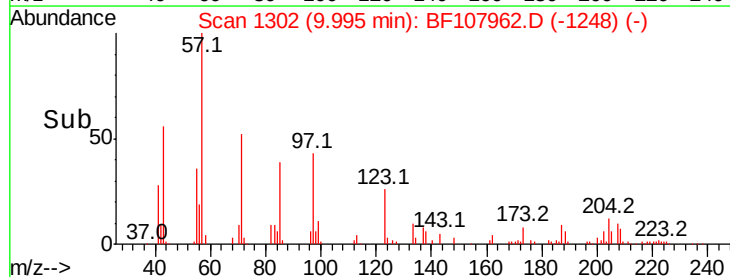
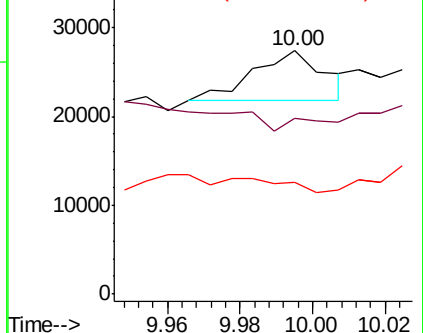
92 46.1 89.4 134.2#

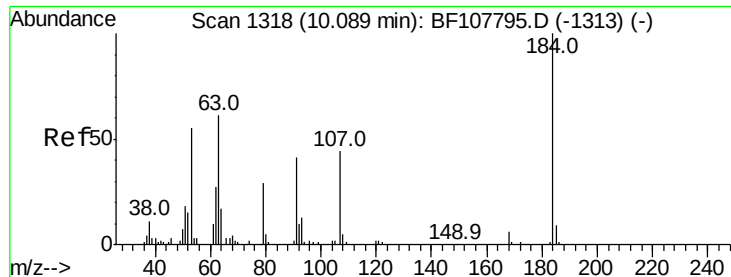


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

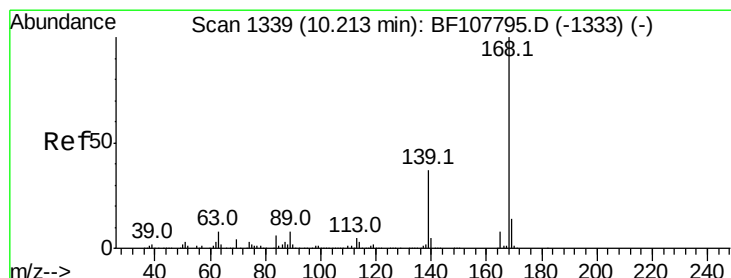
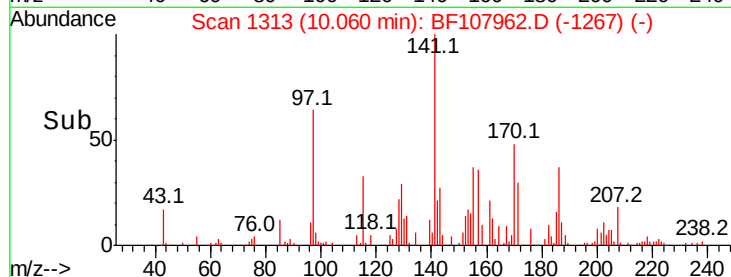
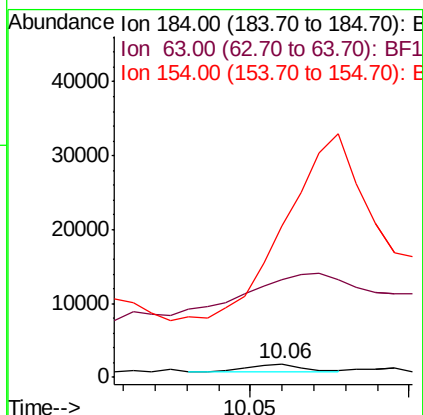
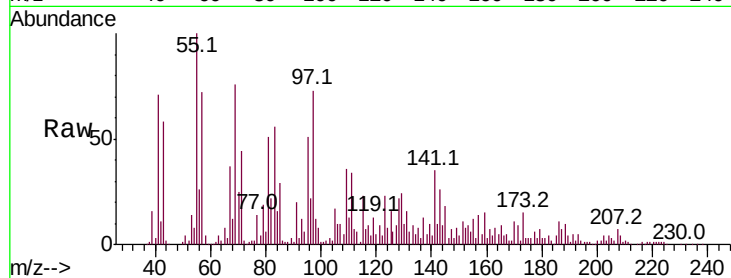




#53
2,4-Dinitrophenol
Concen: 9.999 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.03 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

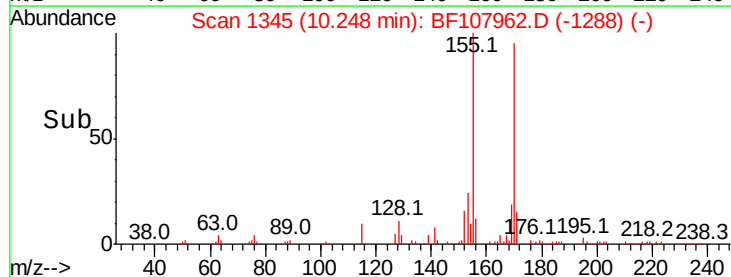
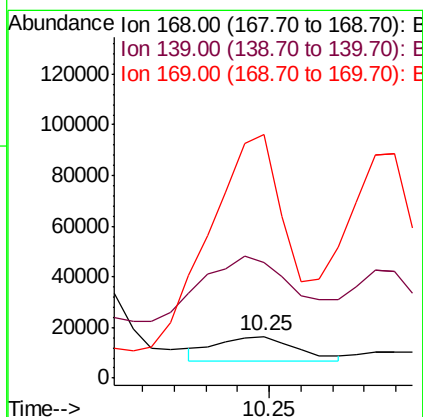
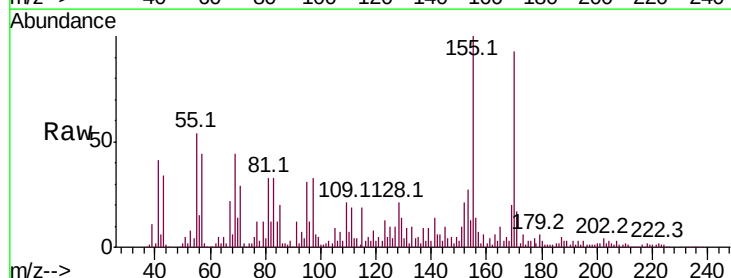
Instrument :
BNA_F
ClientSampleId :

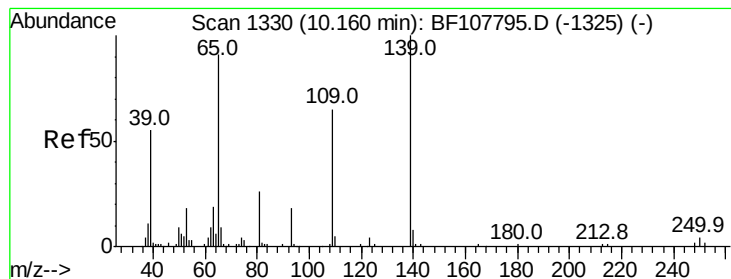
Tot Ion:184 Resp: 1160
Ion Ratio Lower Upper
184 100
63 745.4 54.2 81.2#
154 1147.5 184.0 276.0#



#54
Dibenzofuran
Concen: 2.302 ng
RT: 10.25 min Scan# 1345
Delta R.T. 0.04 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

Tgt Ion:168 Resp: 17014
Ion Ratio Lower Upper
168 100
139 275.8 30.1 45.1#
169 583.1 10.9 16.3#





#55

4-Nitrophenol

Concen: 20.459 ng

RT: 10.18 min Scan# 1334

Delta R.T. 0.02 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

Instrument :

BNA_F

ClientSampleId :

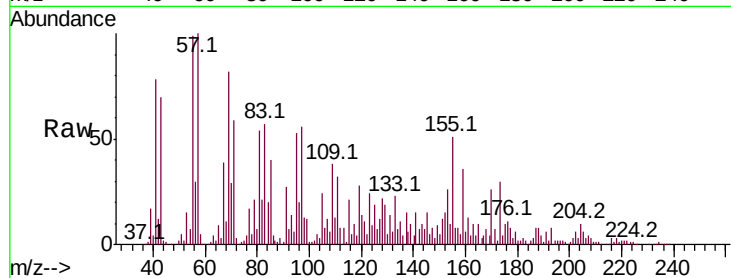
Tot Ion:139 Resp: 9447

Ion Ratio Lower Upper

139 100

109 357.4 48.4 88.4#

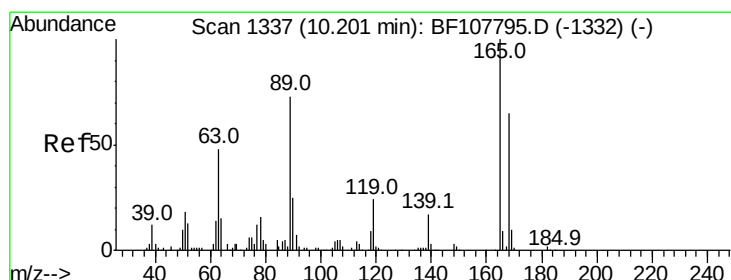
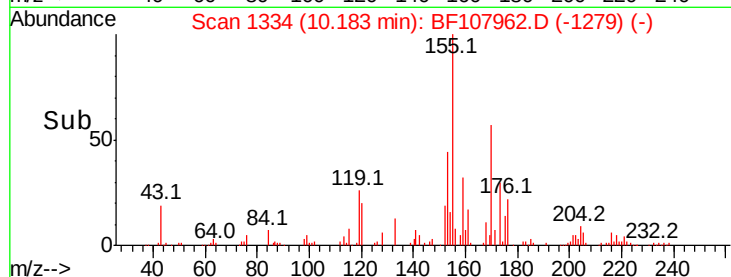
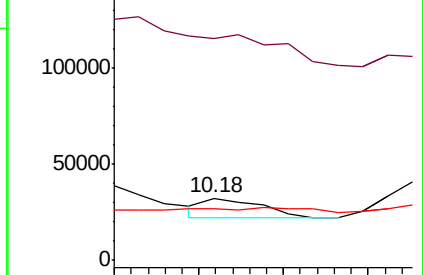
65 83.6 72.6 112.6



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



#56

2,4-Dinitrotoluene

Concen: 29.167 ng

RT: 10.25 min Scan# 1345

Delta R.T. 0.05 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

Tgt Ion:165 Resp: 48407

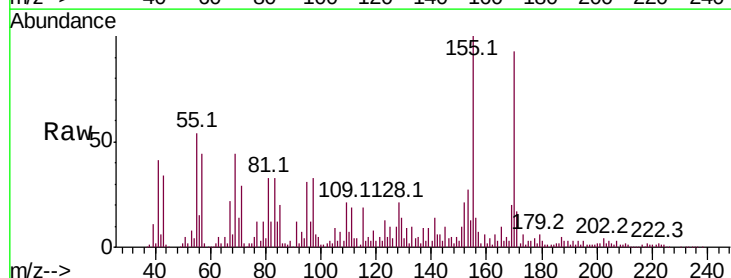
Ion Ratio Lower Upper

165 100

63 52.8 36.4 54.6

89 27.2 57.8 86.6#

182 10.5 1.6 2.4#

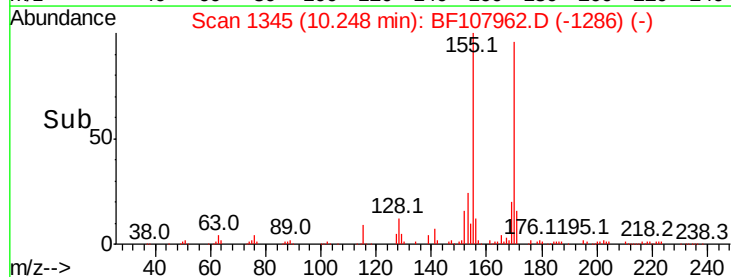
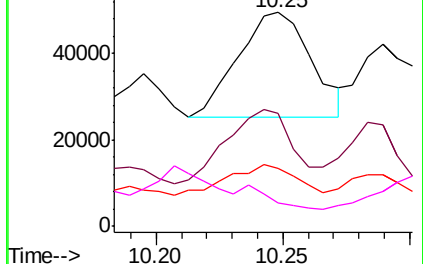


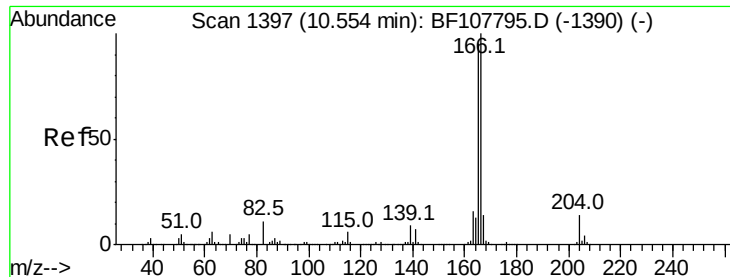
Abundance Ion 165.00 (164.70 to 165.70): E

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

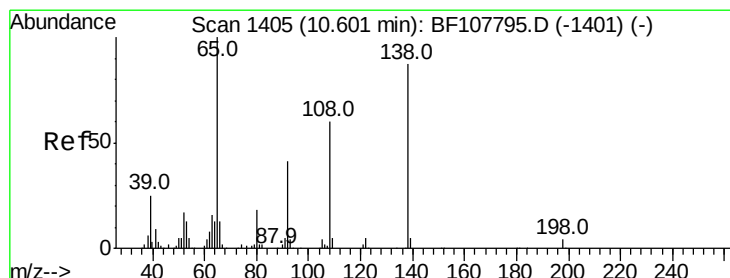
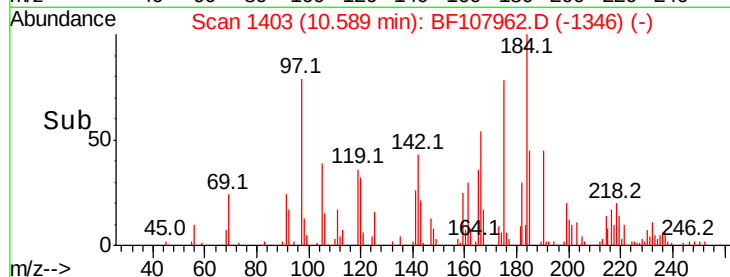
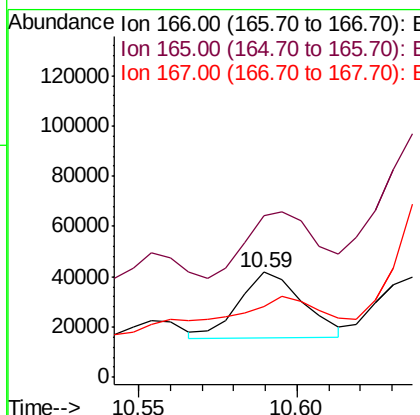
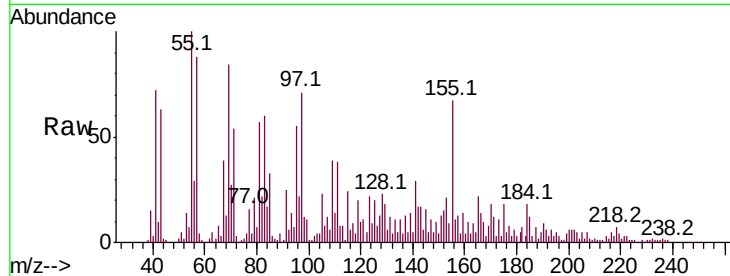




#57
Fluorene
Concen: 6.387 ng
RT: 10.59 min Scan# 1403
Delta R.T. 0.04 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

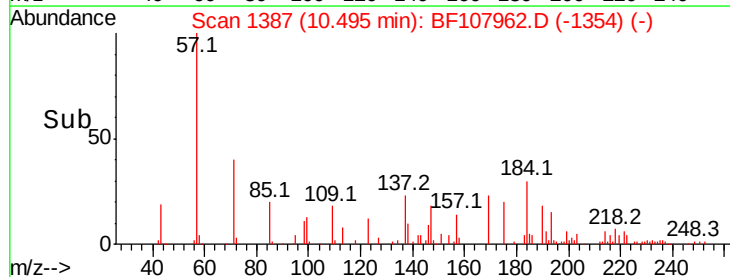
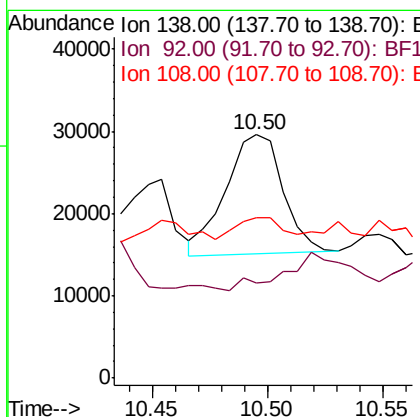
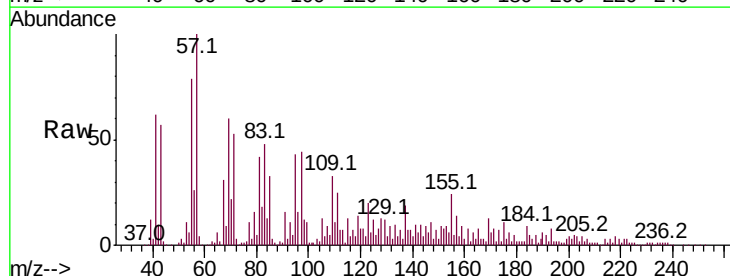
Instrument :
BNA_F
ClientSampled :

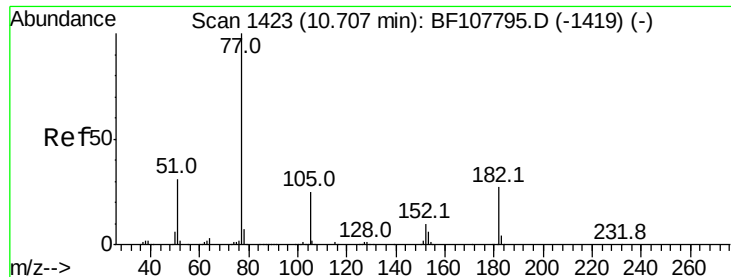
Tot Ion:166 Resp: 36687
Ion Ratio Lower Upper
166 100
165 153.7 79.8 119.8#
167 67.6 10.6 16.0#



#61
4-Nitroaniline
Concen: 17.734 ng
RT: 10.50 min Scan# 1387
Delta R.T. -0.11 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

Tgt Ion:138 Resp: 25041
Ion Ratio Lower Upper
138 100
92 39.3 30.2 70.2
108 65.8 52.5 92.5





#62

Azobenzene

Concen: 5.245 ng

RT: 10.75 min Scan# 1430

Delta R.T. 0.04 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 30518

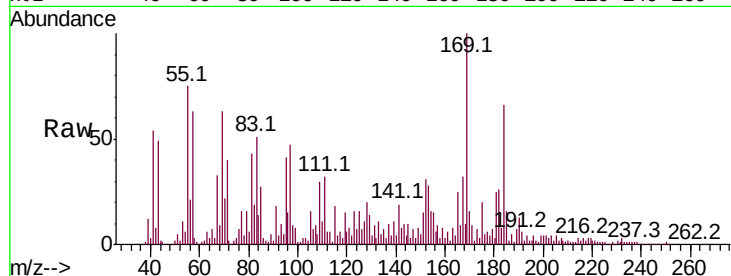
Ion Ratio Lower Upper

77 100

182 161.7 1.7 41.7#

105 97.2 3.0 43.0#

51 32.2 9.9 49.9



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

150000

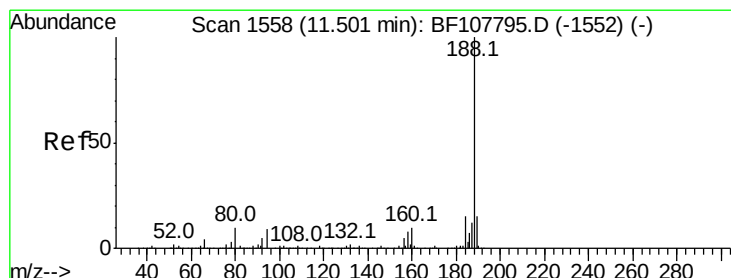
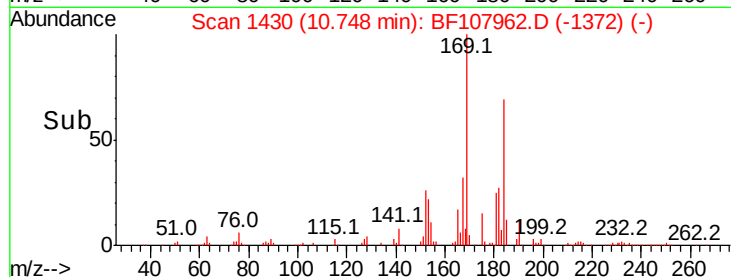
100000

50000

0

10.70 10.75

Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.53 min Scan# 1563

Delta R.T. 0.03 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

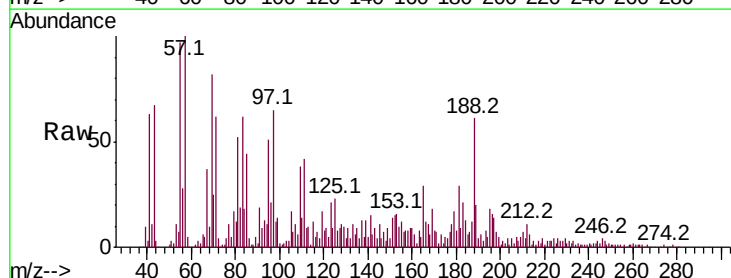
Tgt Ion: 188 Resp: 169164

Ion Ratio Lower Upper

188 100

94 18.0 8.5 12.7#

80 19.2 9.2 13.8#



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

200000

150000

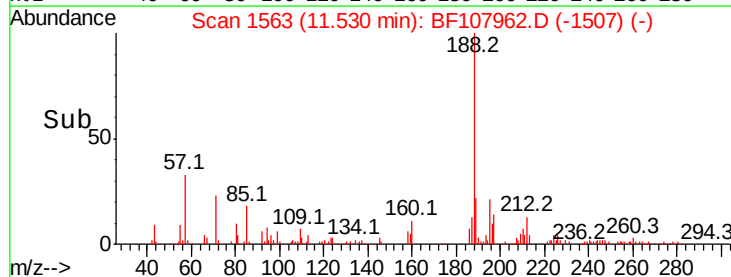
100000

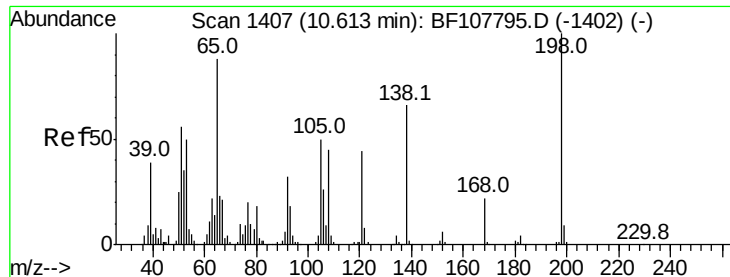
50000

0

11.50 11.60

Time-->





#64

4,6-Dinitro-2-methylphenol

Concen: 4.446 ng

RT: 10.65 min Scan# 1413

Delta R.T. 0.04 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

Instrument :

BNA_F

ClientSampleId :

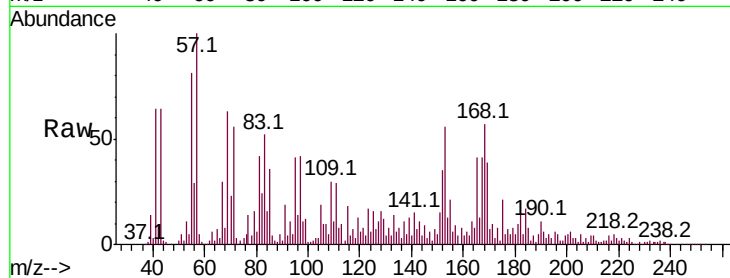
Tot Ion:198 Resp: 4092

Ion Ratio Lower Upper

198 100

51 311.9 37.7 77.7#

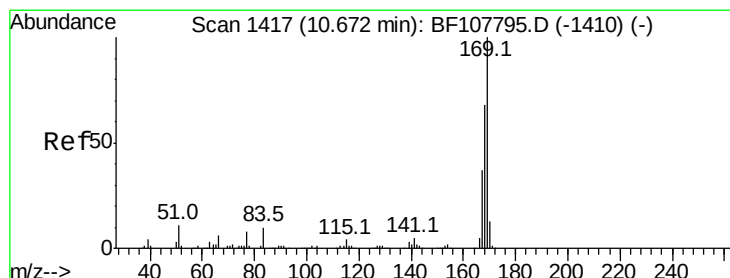
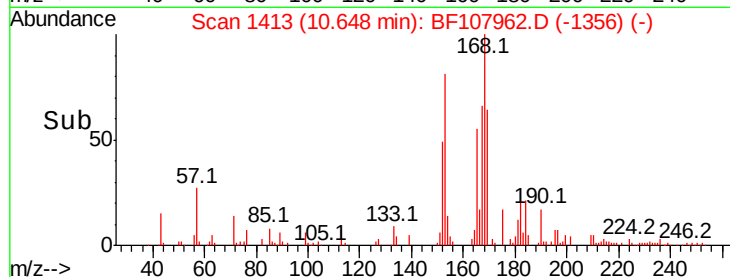
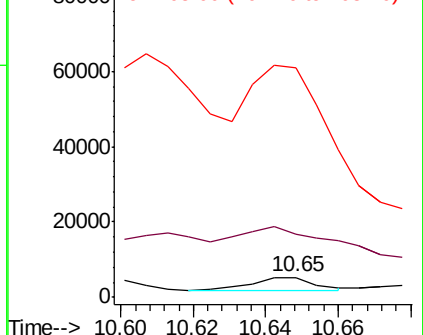
105 1144.8 36.3 76.3#



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



#65

n-Nitrosodiphenylamine

Concen: 116.602 ng

RT: 10.70 min Scan# 1421

Delta R.T. 0.02 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

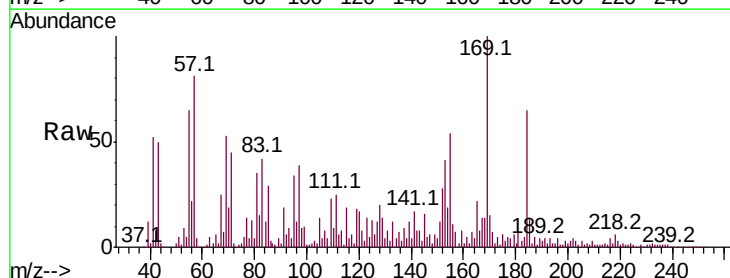
Tgt Ion:169 Resp: 649490

Ion Ratio Lower Upper

169 100

168 14.5 54.4 81.6#

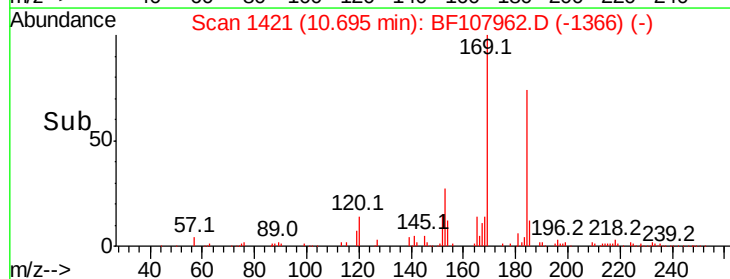
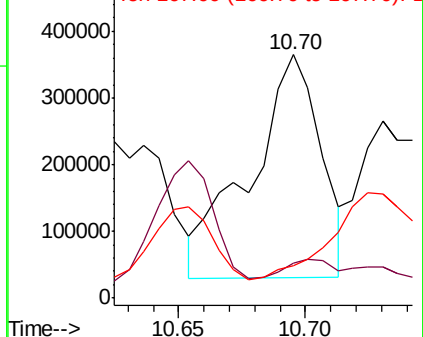
167 13.6 29.8 44.6#

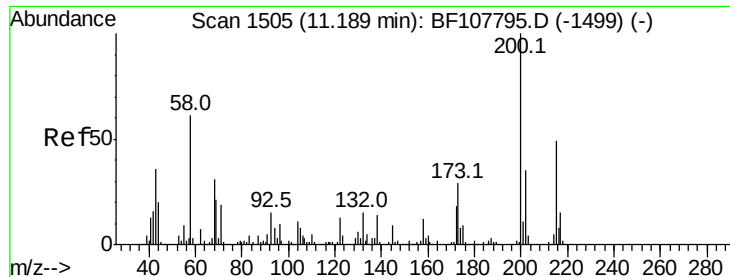


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

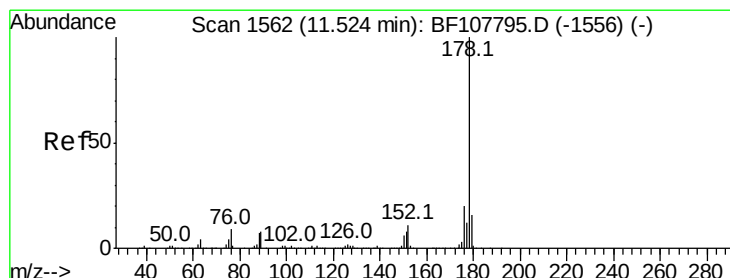
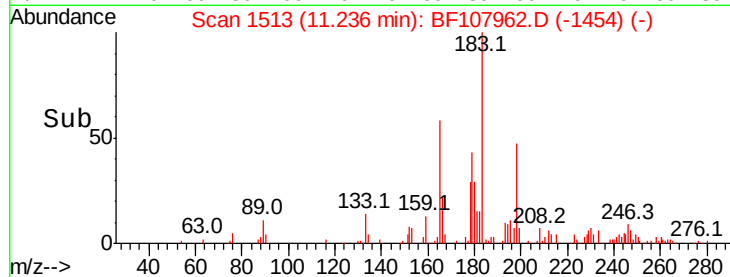
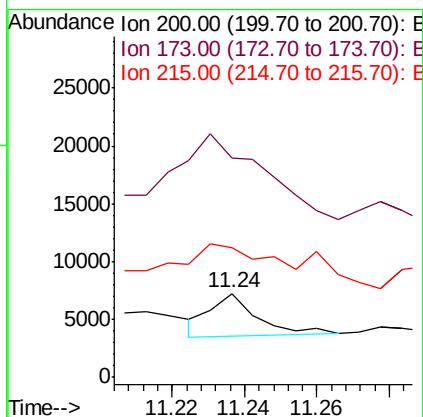
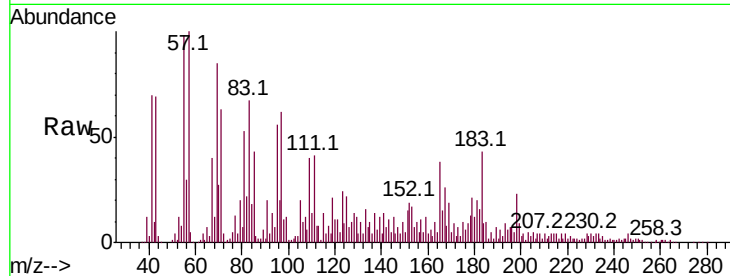




#68
Atrazine
Concen: 2.056 ng
RT: 11.24 min Scan# 1513
Delta R.T. 0.05 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

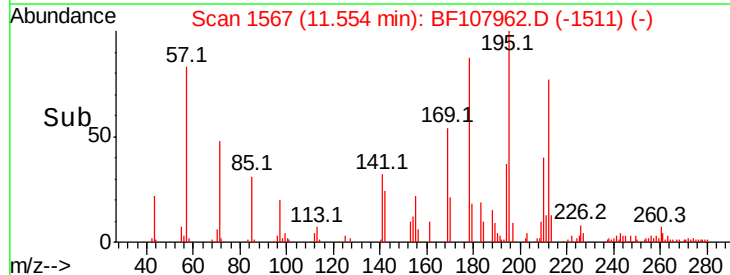
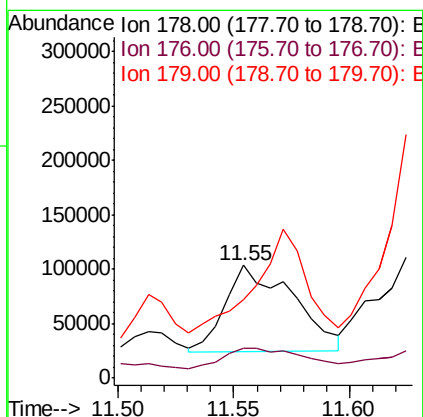
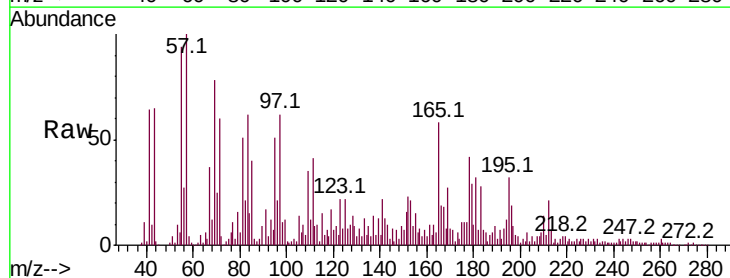
Instrument :
BNA_F
ClientSampled :

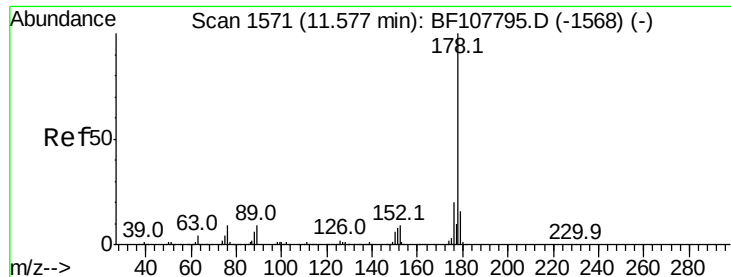
Tot Ion:200 Resp: 3389
Ion Ratio Lower Upper
200 100
173 261.0 8.6 48.6#
215 154.0 25.1 65.1#



#70
Phenanthrene
Concen: 20.344 ng
RT: 11.55 min Scan# 1567
Delta R.T. 0.03 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

Tgt Ion:178 Resp: 163409
Ion Ratio Lower Upper
178 100
176 26.9 15.8 23.8#
179 69.7 13.0 19.6#





#71

Anthracene

Concen: 27.464 ng

RT: 11.64 min Scan# 1581

Delta R.T. 0.06 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

Instrument :

BNA_F

ClientSampleId :

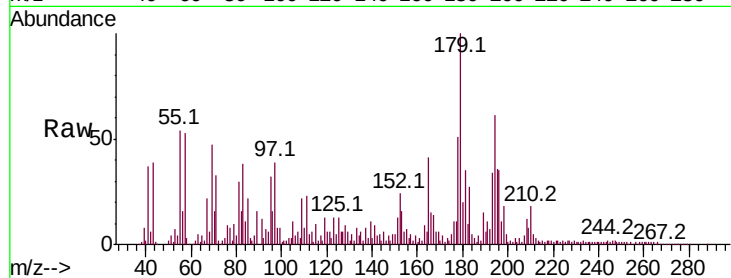
Tot Ion:178 Resp: 254452

Ion Ratio Lower Upper

178 100

176 20.6 15.4 23.2

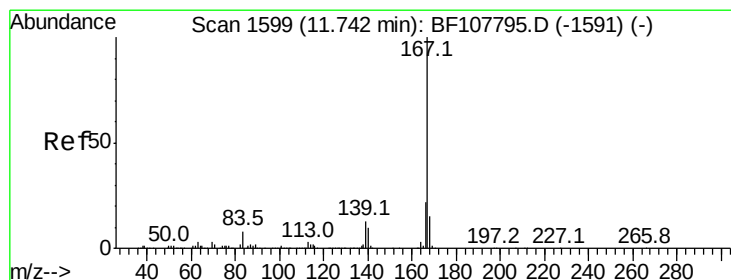
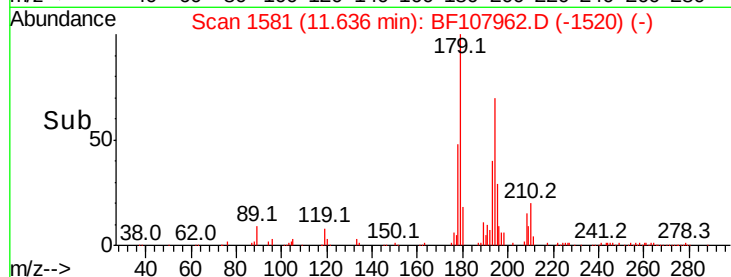
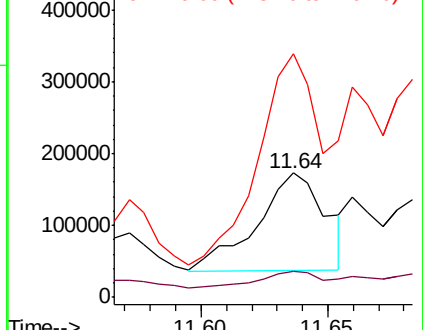
179 195.5 12.6 19.0#



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

Carbazole

Concen: 2.920 ng

RT: 11.78 min Scan# 1606

Delta R.T. 0.04 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

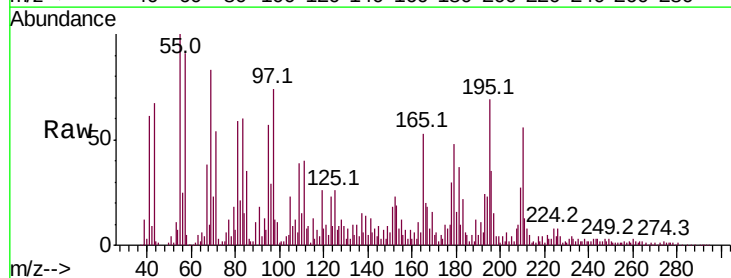
Tgt Ion:167 Resp: 26737

Ion Ratio Lower Upper

167 100

166 111.6 17.6 26.4#

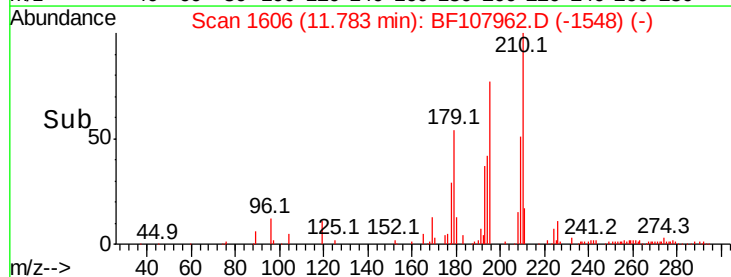
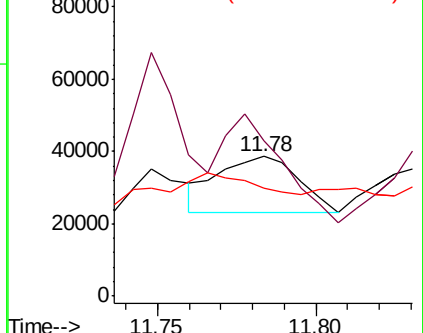
139 77.2 10.9 16.3#

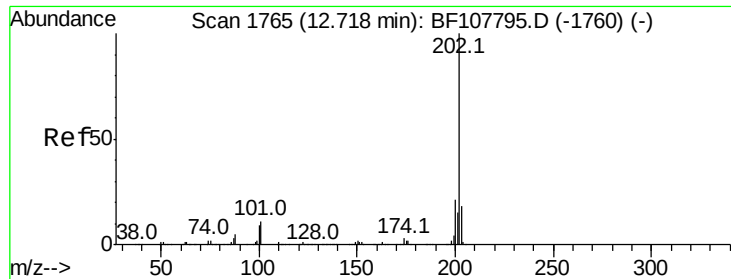


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 20.128 ng

RT: 12.73 min Scan# 1767

Delta R.T. 0.01 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

Instrument :

BNA_F

ClientSampleId :

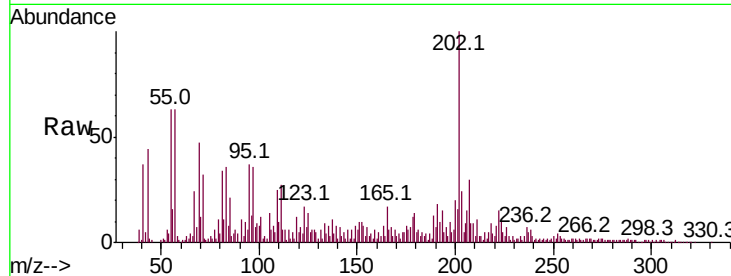
Tot Ion:202 Resp: 189936

Ion Ratio Lower Upper

202 100

101 12.4 0.0 34.1

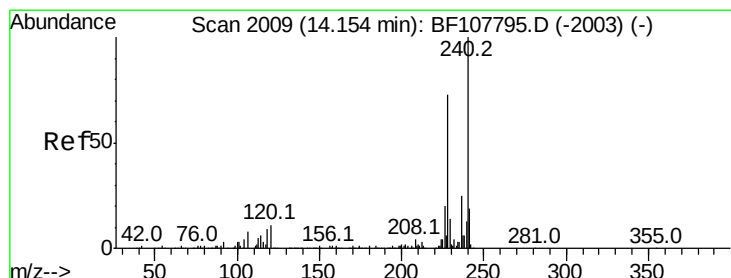
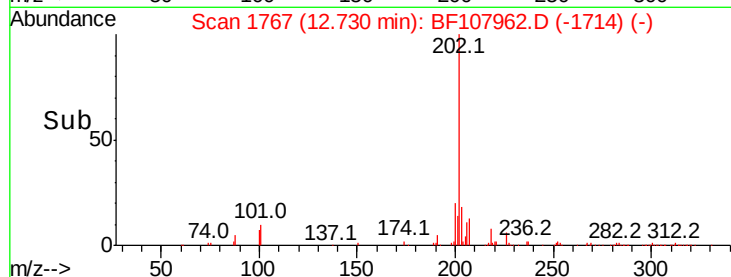
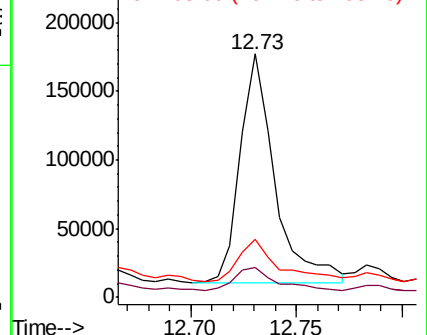
203 23.8 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

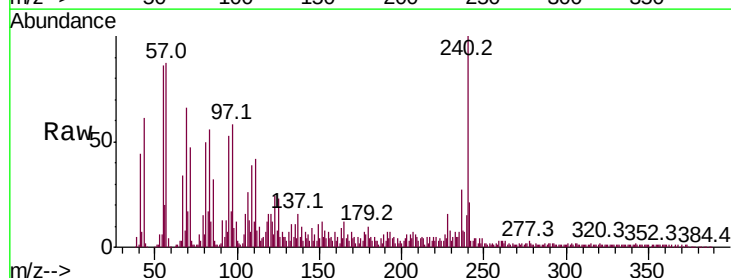
Tgt Ion:240 Resp: 251240

Ion Ratio Lower Upper

240 100

120 16.5 9.5 14.3#

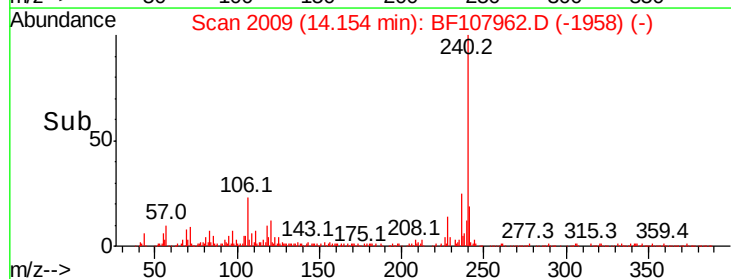
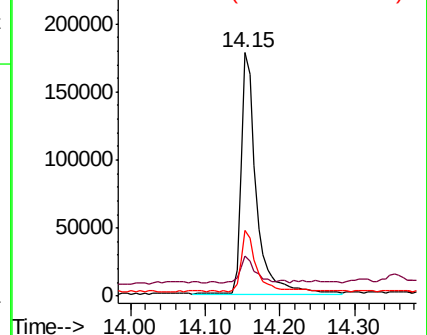
236 27.1 20.7 31.1

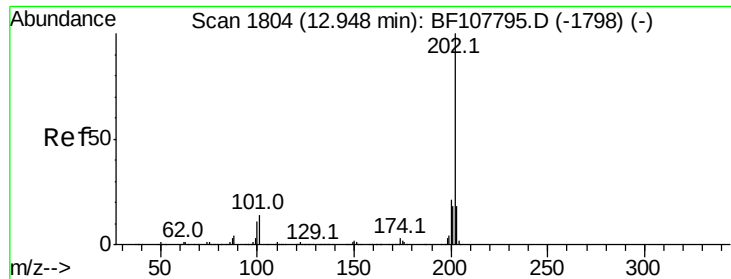


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

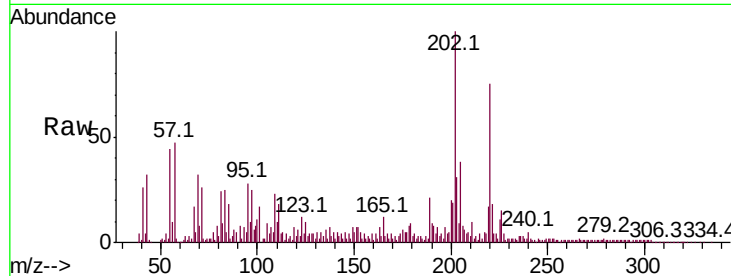




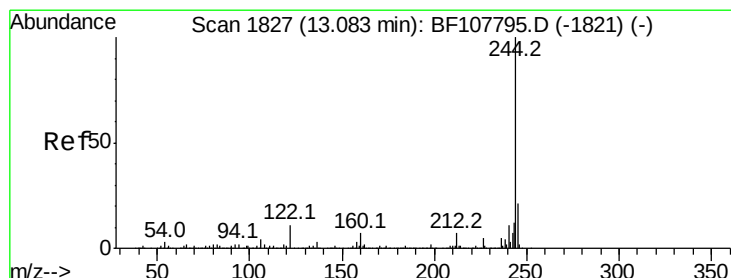
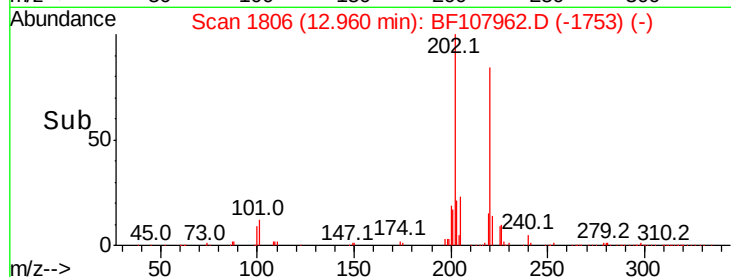
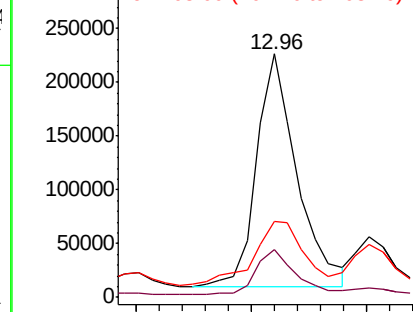
#77
Pvrene
Concen: 14.636 ng
RT: 12.96 min Scan# 1806
Delta R.T. 0.01 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.5	17.4	26.2
203	31.3	14.3	21.5#

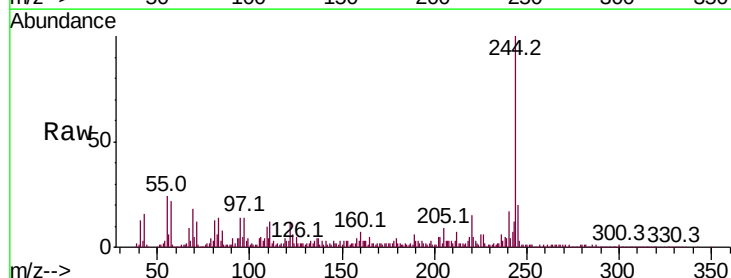


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

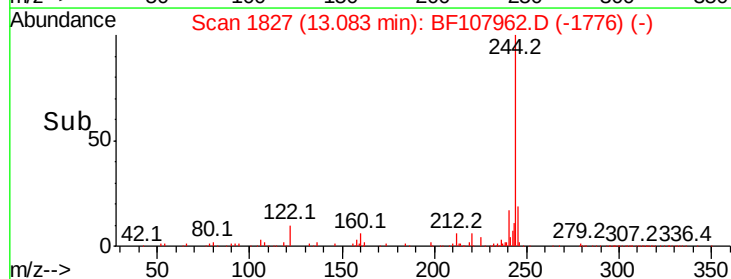
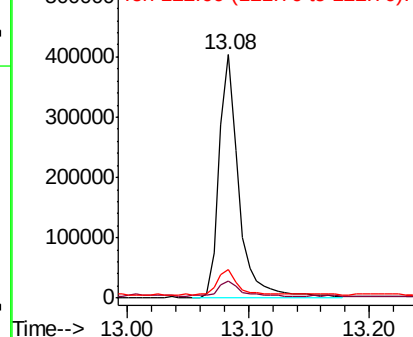


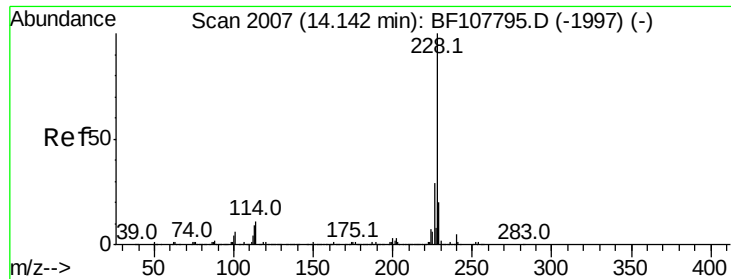
#78
Terphenyl-d14
Concen: 38.765 ng
RT: 13.08 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	11.5	11.0	16.4



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

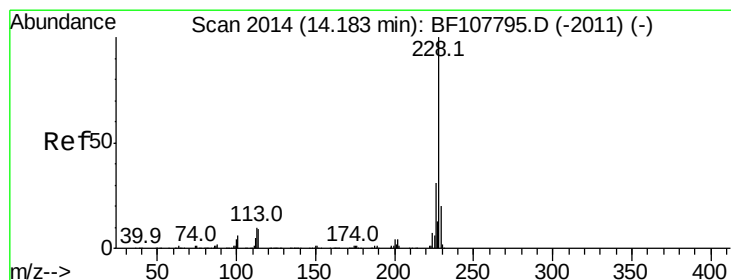
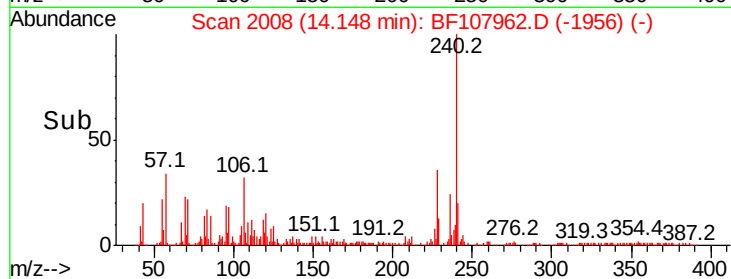
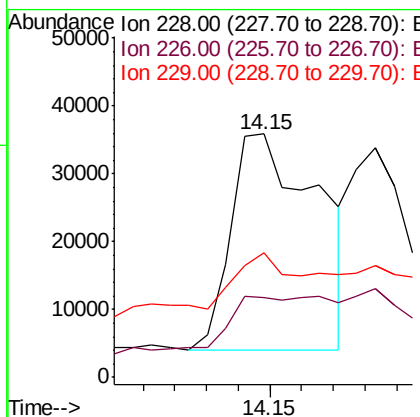
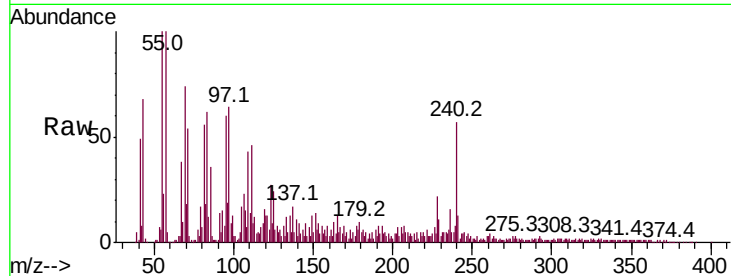




#80
Benzo(a)anthracene
Concen: 4.258 ng
RT: 14.15 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

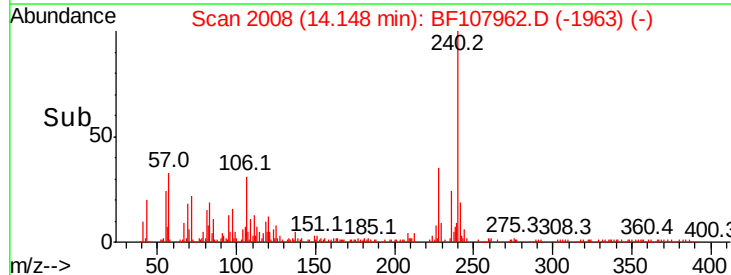
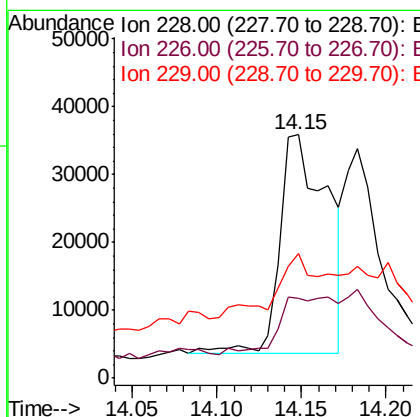
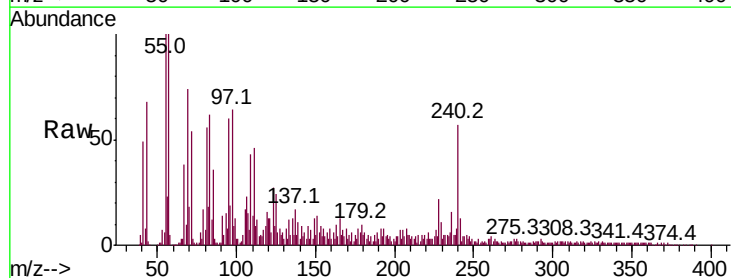
Instrument :
BNA_F
ClientSampled :

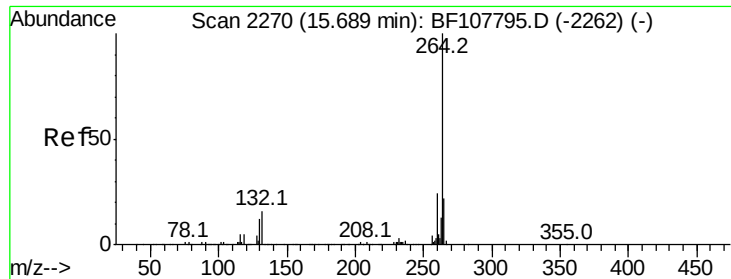
Tot Ion:228 Resp: 60605
Ion Ratio Lower Upper
228 100
226 33.0 22.6 33.8
229 51.0 15.8 23.6#



#82
Chrysene
Concen: 4.108 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.04 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

Tgt Ion:228 Resp: 63062
Ion Ratio Lower Upper
228 100
226 33.0 25.0 37.6
229 51.0 16.2 24.4#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.72 min Scan# 2275

Delta R.T. 0.03 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

Instrument :

BNA_F

ClientSampled :

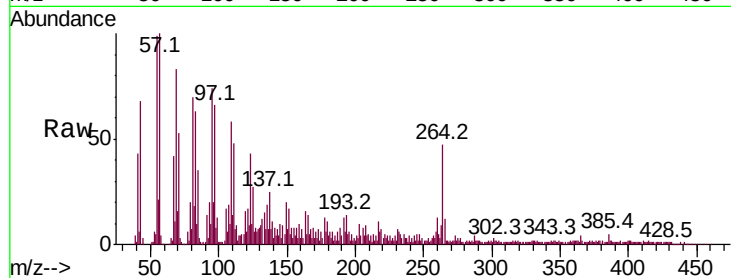
Tot Ion:264 Resp: 170500

Ion Ratio Lower Upper

264 100

260 27.8 19.2 28.8

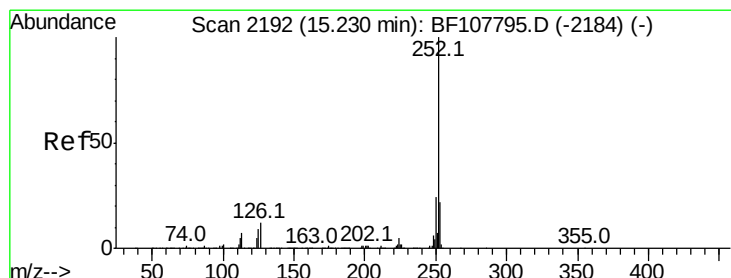
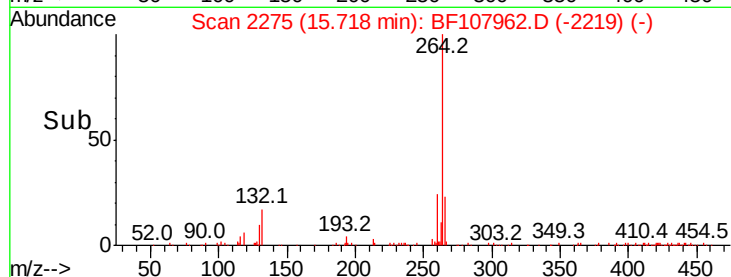
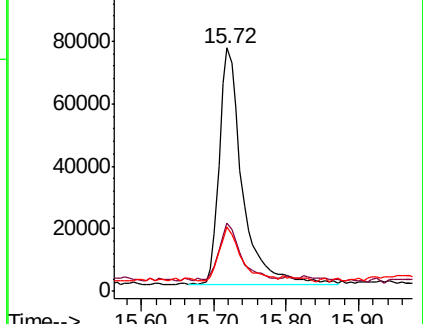
265 26.4 17.5 26.3#



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

Benzo(b)fluoranthene

Concen: 7.487 ng

RT: 15.25 min Scan# 2195

Delta R.T. 0.02 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

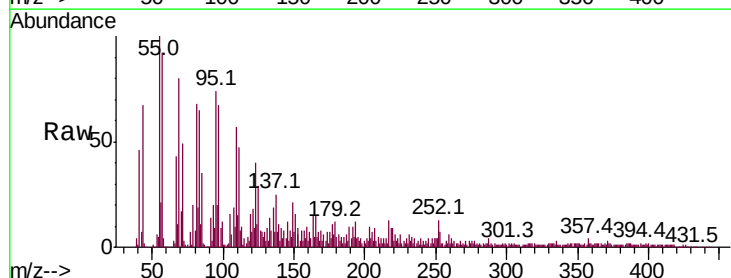
Tgt Ion:252 Resp: 62958

Ion Ratio Lower Upper

252 100

253 57.3 17.0 25.6#

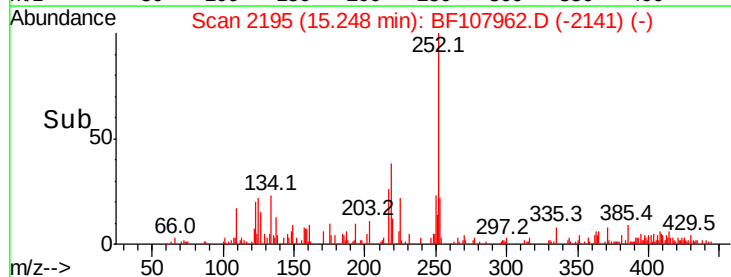
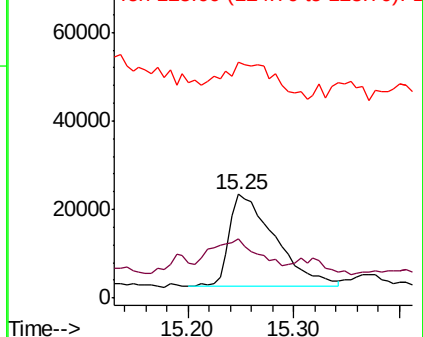
125 227.8 9.0 13.6#

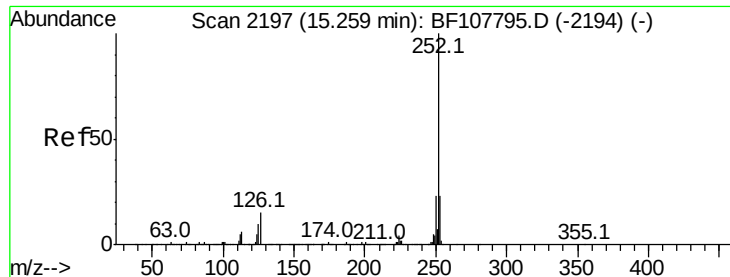


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

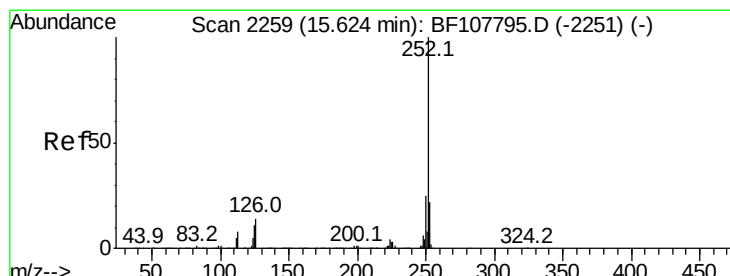
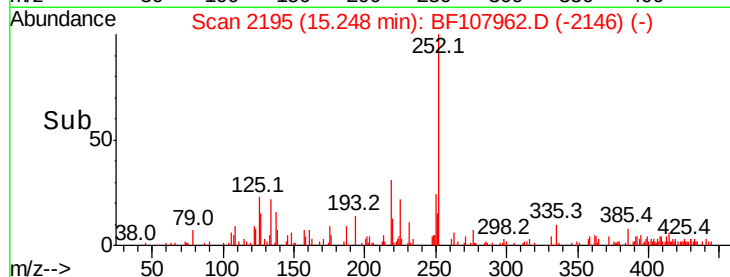
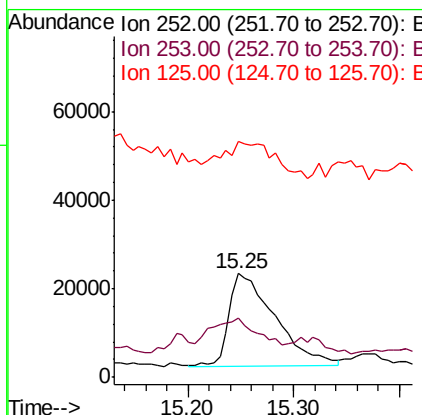
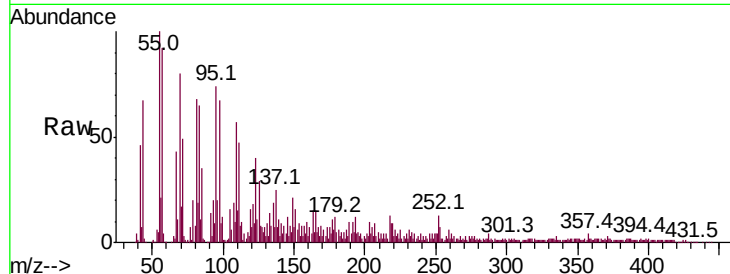




#88
Benzo(k)fluoranthene
Concen: 6.137 ng
RT: 15.25 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

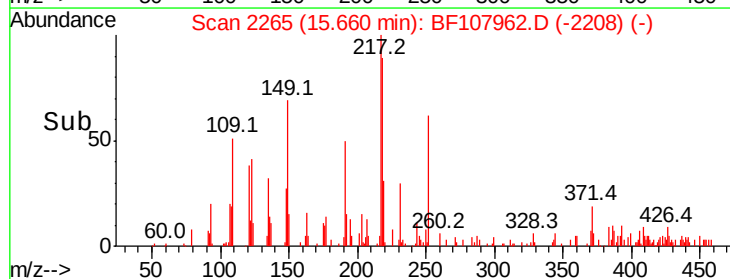
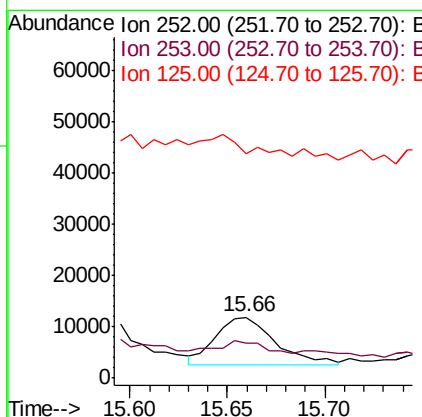
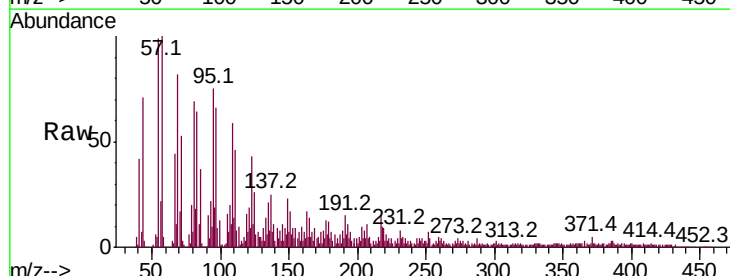
Instrument :
BNA_F
ClientSampleId :

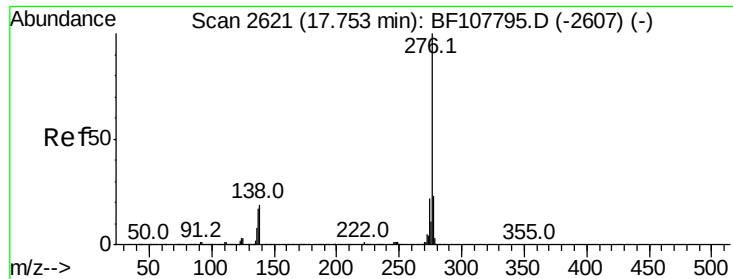
Tot Ion	Ratio	Lower	Upper
252	100		
253	57.3	17.9	26.9#
125	227.8	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 2.308 ng
RT: 15.66 min Scan# 2265
Delta R.T. 0.04 min
Lab File: BF107962.D
Acq: 4 Aug 2018 2:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	56.8	17.1	25.7#
125	366.4	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 2.261 ng

RT: 17.82 min Scan# 2633

Delta R.T. 0.07 min

Lab File: BF107962.D

Acq: 4 Aug 2018 2:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 16563

Ion Ratio Lower Upper

276 100

277 52.7 17.9 26.9#

138 126.5 21.8 32.8#

