

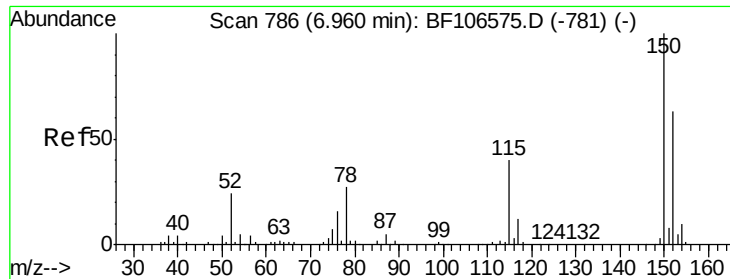
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062718\
 Data File : BF106887.D
 Acq On : 27 Jun 2018 21:59
 Operator : JU/SJ
 Sample : J3242-15 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-062618-H

Quant Time: Jun 28 00:55:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 25 18:50:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	21836	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	78925	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	33217	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	59649	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	62459	20.00	ng	-0.02
86) Perylene-d12	15.68	264	44297	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	141771	109.94	ng	-0.01
7) Phenol-d6	6.60	99	174250	108.20	ng	-0.02
23) Nitrobenzene-d5	7.51	82	101830	71.70	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	41074	106.69	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	197264	103.78	ng	-0.02
78) Terphenyl-d14	13.07	244	218406	84.70	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.73	77	2943	2.176	ng	88
10) Phenol	6.61	94	4571	2.487	ng	92
19) n-Nitroso-di-n-propylamine	7.51	70	12926	12.177	ng	# 76
25) Isophorone	7.51	82	101829	40.690	ng	# 64
49) Dimethylphthalate	9.70	163	38053	15.274	ng	# 97
56) 2,4-Dinitrotoluene	10.00	165	4356	6.326	ng	# 21
66) 4-Bromophenyl-phenylether	10.79	248	2680	3.765	ng	# 1
70) Phenanthrene	11.51	178	12182	4.234	ng	97
74) Fluoranthene	12.71	202	30690	9.678	ng	95
77) Pyrene	12.94	202	30706	7.455	ng	99
80) Benzo(a)anthracene	14.13	228	18223	4.787	ng	96
82) Chrysene	14.13	228	18223	5.203	ng	98
85) Indeno(1,2,3-cd)pyrene	17.25	276	6561	2.208	ng	# 85
87) Benzo(b)fluoranthene	15.22	252	22300	8.104	ng	# 86
88) Benzo(k)fluoranthene	15.22	252	22300	8.510	ng	# 89
89) Benzo(a)pyrene	15.61	252	12262	5.013	ng	# 90
91) Benzo(g,h,i)perylene	17.74	276	6458	3.187	ng	# 88

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

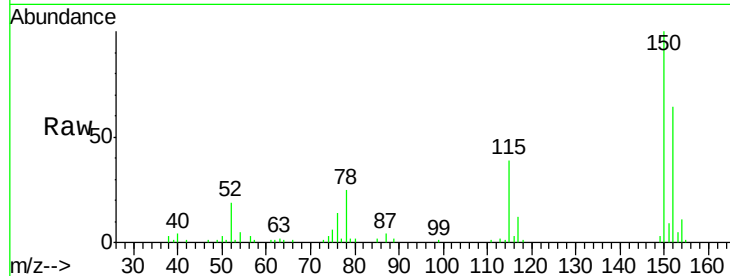


#1

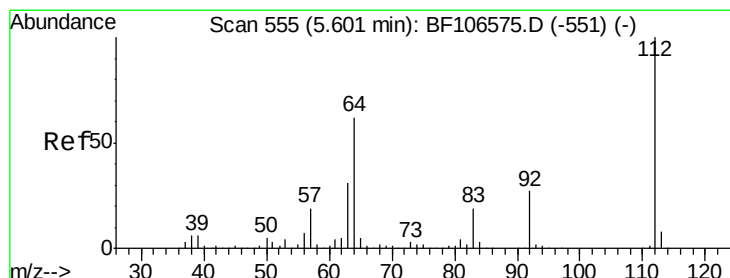
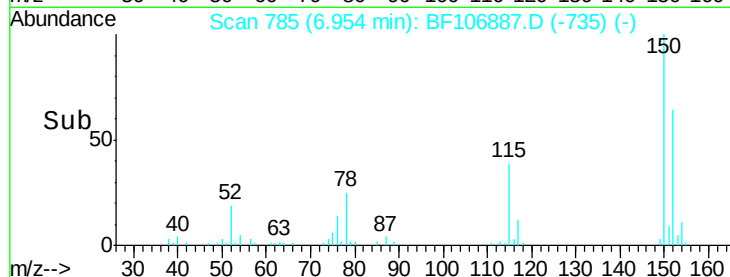
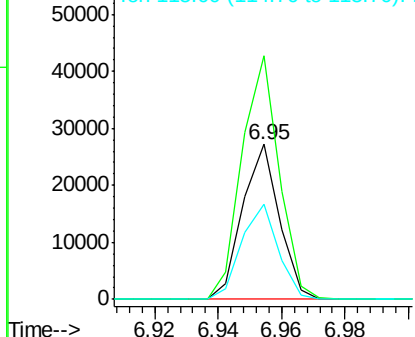
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF106887.D
Acq: 27 Jun 2018 21:59

Instrument :
BNA_F
ClientSampleId :
JC-02-062618-H

Tgt Ion:152 Resp: 21836
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 61.6 50.1 75.1



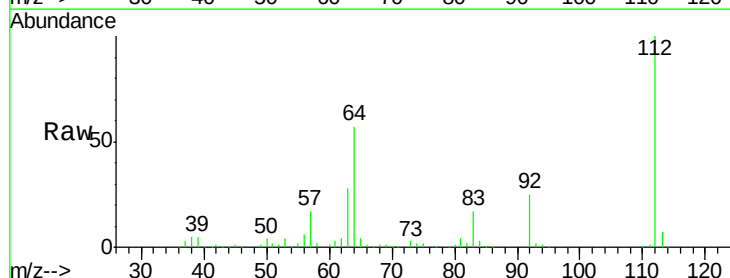
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



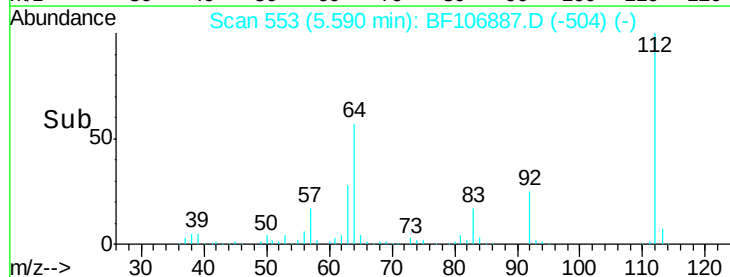
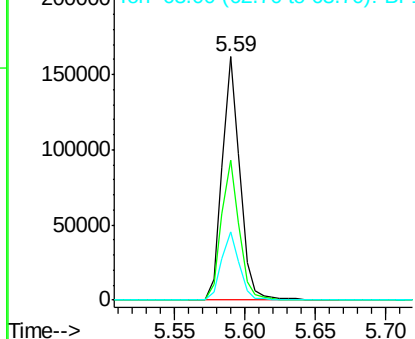
#5

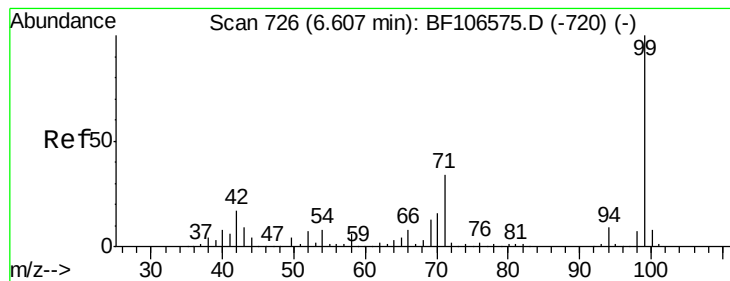
2-Fluorophenol
Concen: 109.939 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF106887.D
Acq: 27 Jun 2018 21:59

Tgt Ion:112 Resp: 141771
Ion Ratio Lower Upper
112 100
64 57.4 47.9 71.9
63 27.8 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: 108.204 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF106887.D

Acq: 27 Jun 2018 21:59

Instrument :

BNA_F

ClientSampleId :

JC-02-062618-H

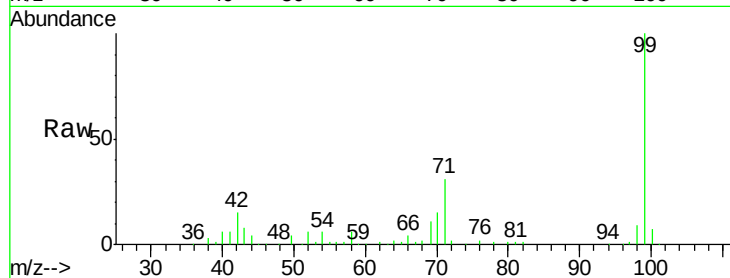
Tgt Ion: 99 Resp: 174250

Ion Ratio Lower Upper

99 100

42 15.0 14.5 21.7

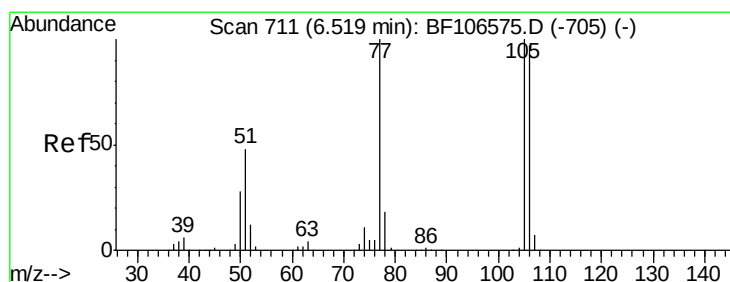
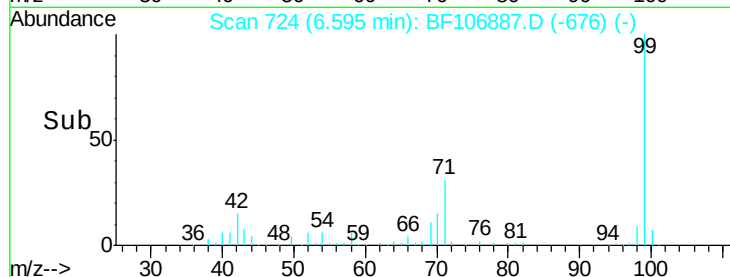
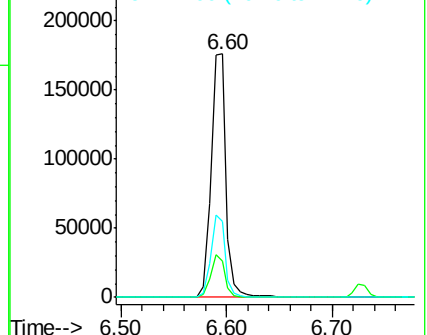
71 31.3 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.176 ng

RT: 6.73 min Scan# 747

Delta R.T. 0.21 min

Lab File: BF106887.D

Acq: 27 Jun 2018 21:59

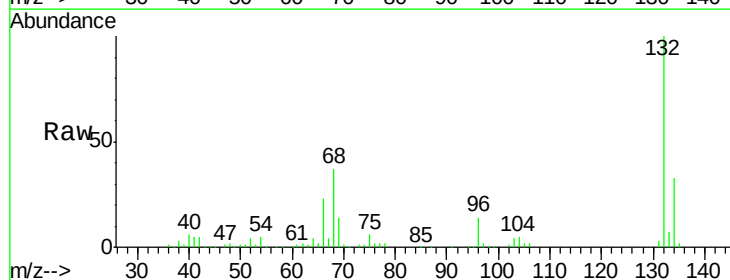
Tgt Ion: 77 Resp: 2943

Ion Ratio Lower Upper

77 100

105 85.7 81.1 121.1

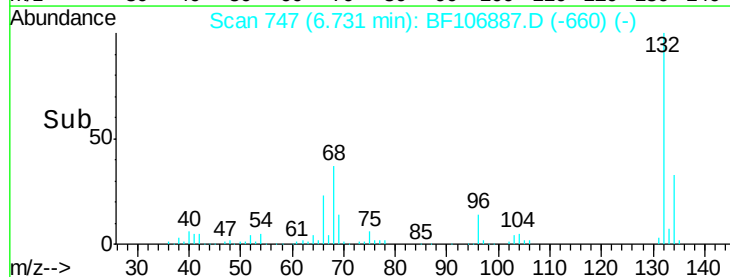
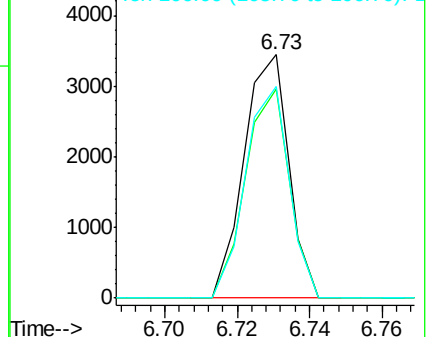
106 87.1 74.5 114.5

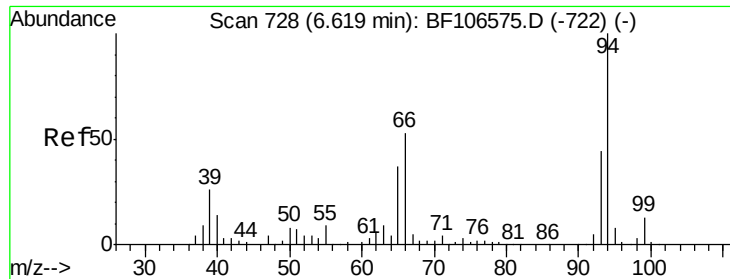


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

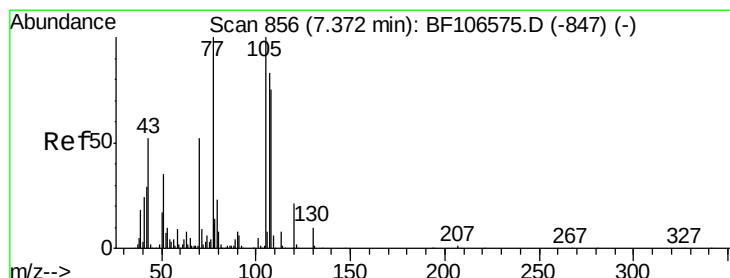
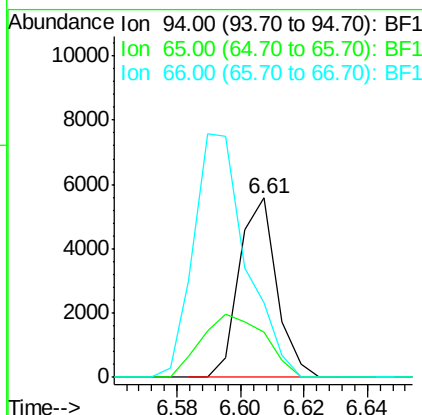
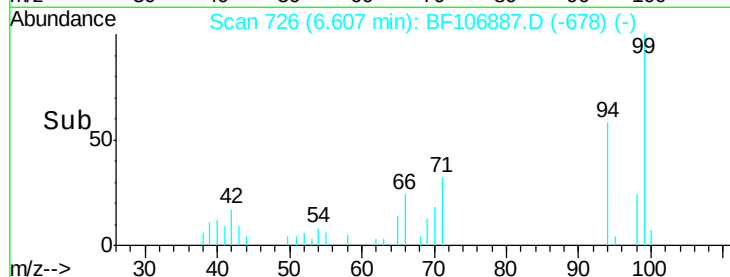
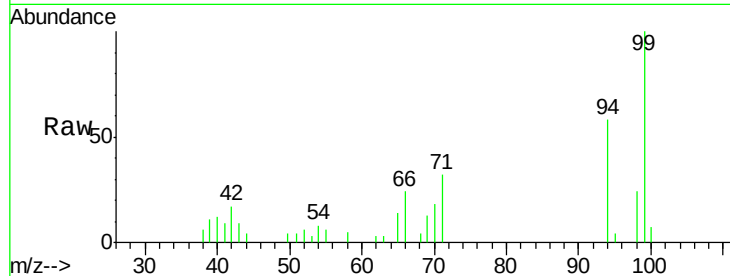




#10
Phenol
Concen: 2.487 ng
RT: 6.61 min Scan# 726
Delta R.T. -0.02 min
Lab File: BF106887.D
Acq: 27 Jun 2018 21:59

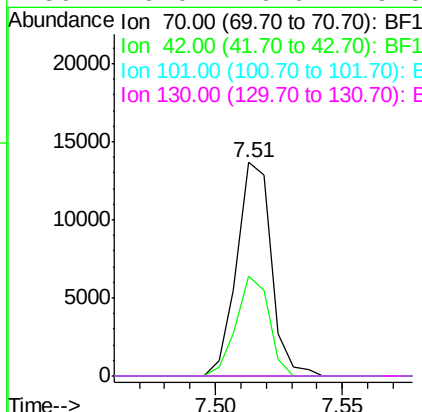
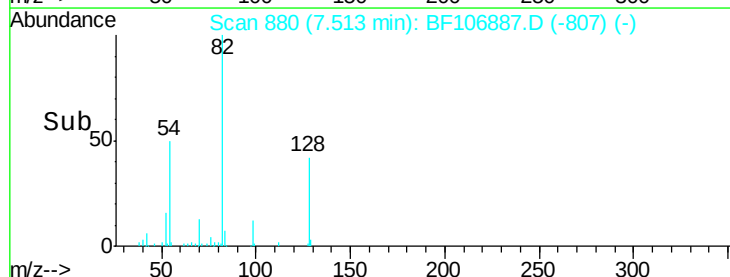
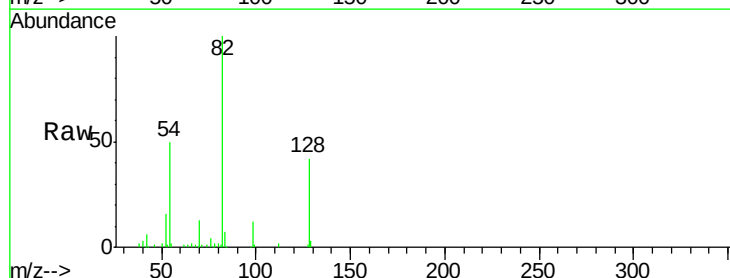
Instrument :
BNA_F
ClientSampleId :
JC-02-062618-H

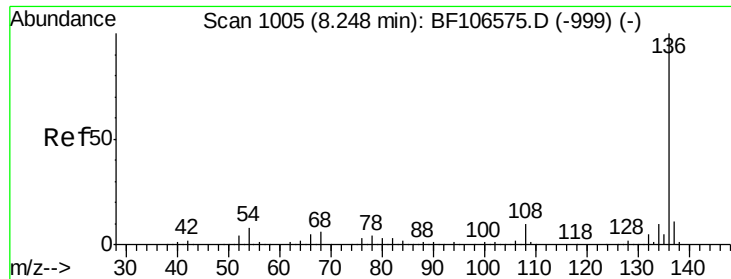
Tgt Ion: 94 Resp: 4571
Ion Ratio Lower Upper
94 100
65 24.9 7.9 47.9
66 41.5 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.177 ng
RT: 7.51 min Scan# 880
Delta R.T. 0.13 min
Lab File: BF106887.D
Acq: 27 Jun 2018 21:59

Tgt Ion: 70 Resp: 12926
Ion Ratio Lower Upper
70 100
42 47.0 47.5 71.3#
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#

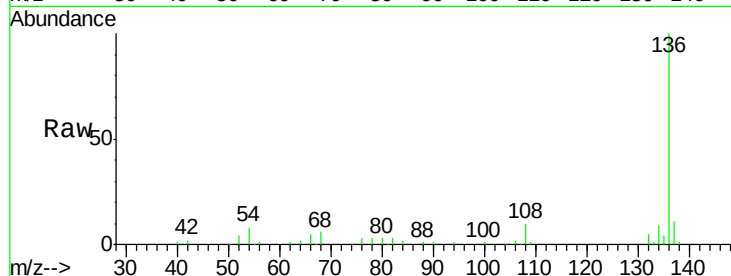




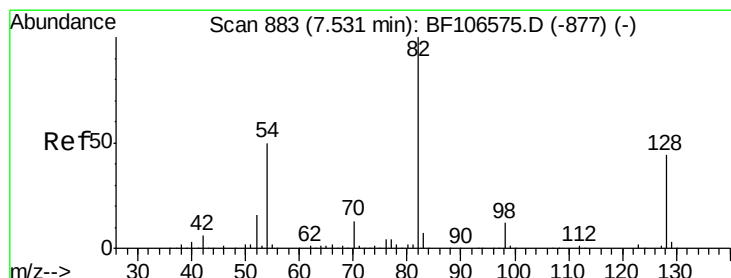
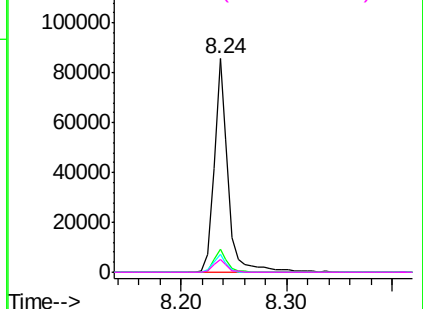
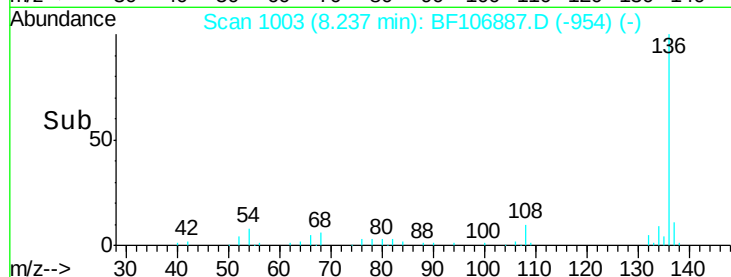
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF106887.D
Acq: 27 Jun 2018 21:59

Instrument :
BNA_F
ClientSampleId :
JC-02-062618-H

Tgt Ion:	136	Resp:	78925
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.3	6.6	9.8
68	5.9	5.0	7.4

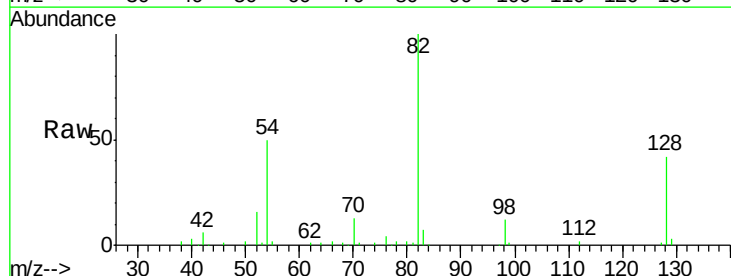


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

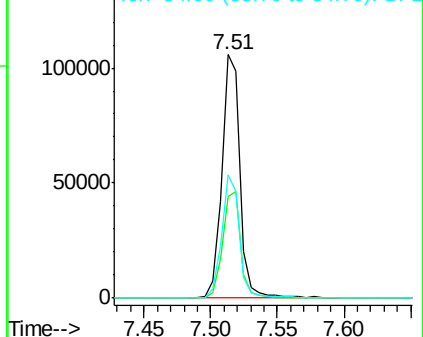
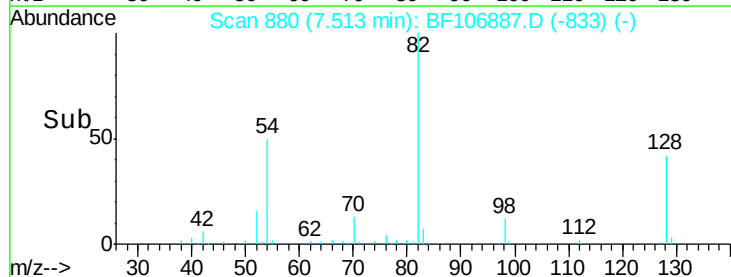


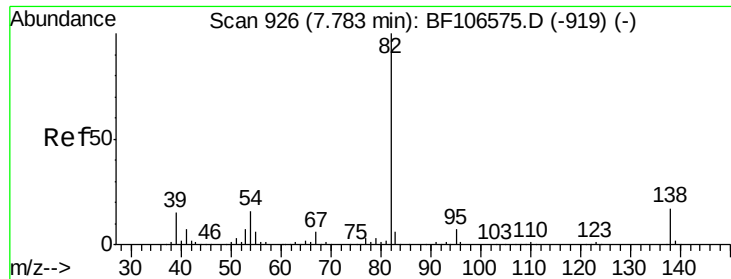
#23
Nitrobenzene-d5
Concen: 71.702 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF106887.D
Acq: 27 Jun 2018 21:59

Tgt Ion:	82	Resp:	101830
Ion	Ratio	Lower	Upper
82	100		
128	41.7	36.1	54.1
54	50.5	41.4	62.2



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: 40.690 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF106887.D

Acq: 27 Jun 2018 21:59

Instrument :

BNA_F

ClientSampleId :

JC-02-062618-H

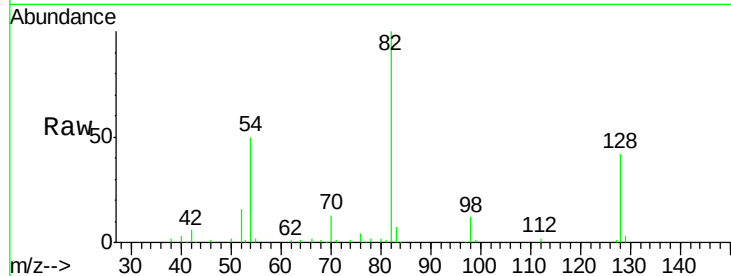
Tgt Ion: 82 Resp: 101829

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

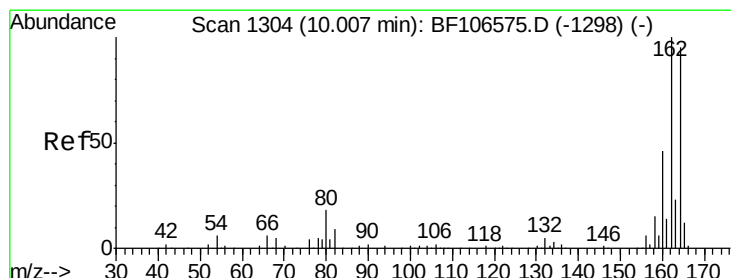
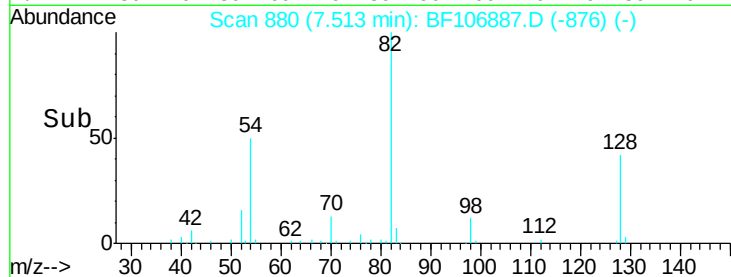
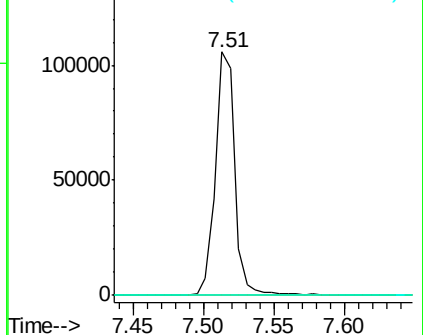
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF106887.D

Acq: 27 Jun 2018 21:59

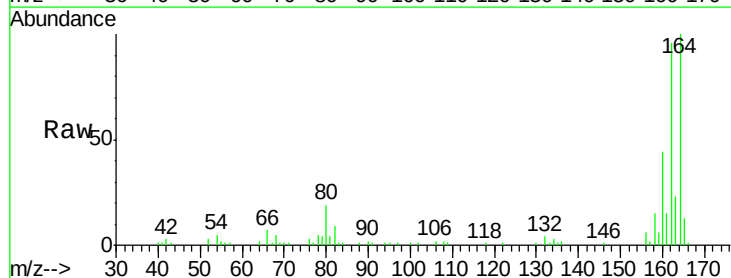
Tgt Ion: 164 Resp: 33217

Ion Ratio Lower Upper

164 100

162 96.3 86.1 129.1

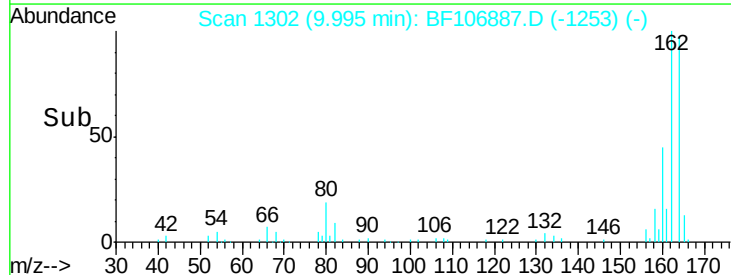
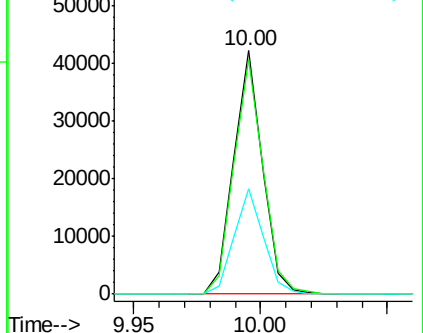
160 43.5 38.3 57.5

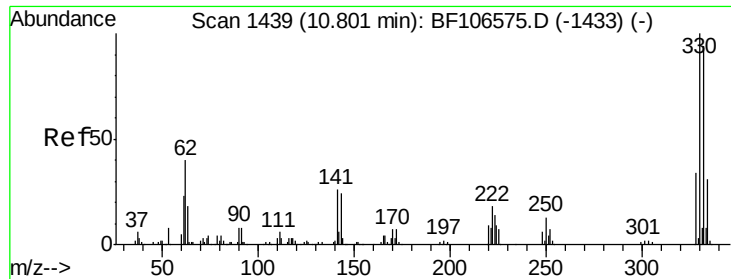


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

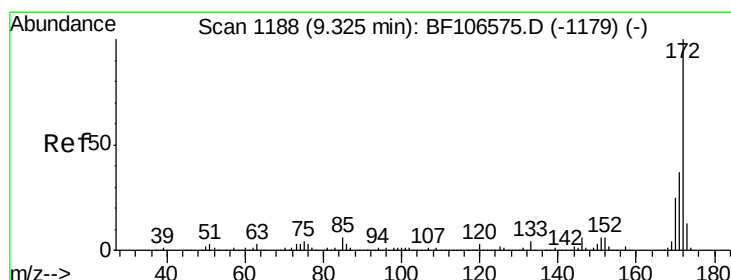
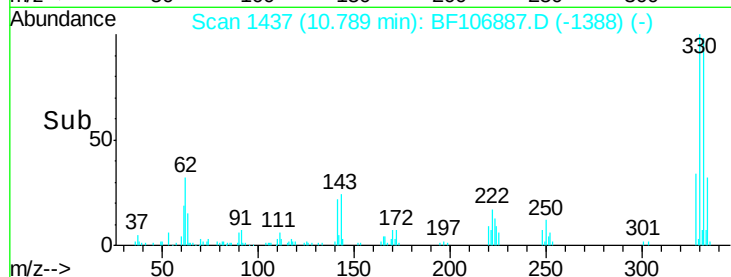
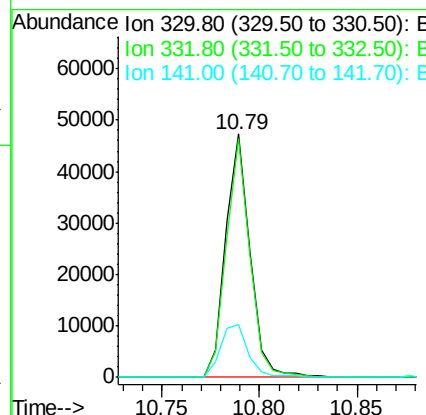
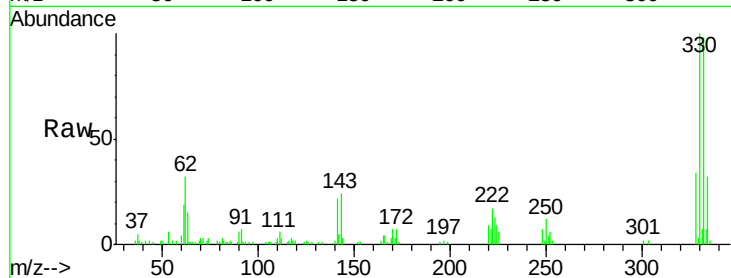




#41
 2,4,6-Tribromophenol
 Concen: 106.687 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF106887.D
 Acq: 27 Jun 2018 21:59

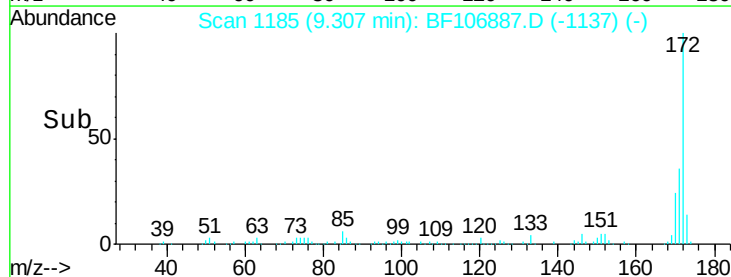
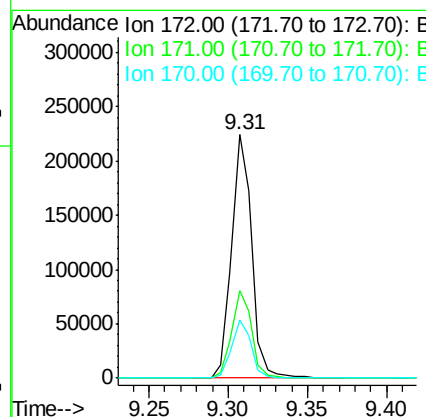
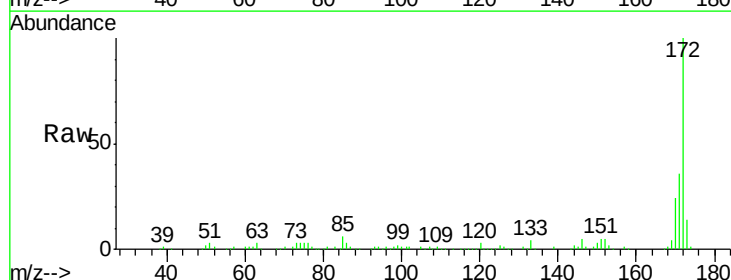
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-062618-H

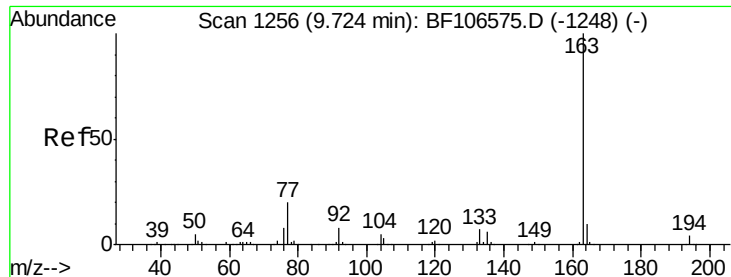
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	24.9	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 103.778 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF106887.D
 Acq: 27 Jun 2018 21:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.9	19.6	29.4





#49

Dimethylphthalate

Concen: 15.274 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF106887.D

Acq: 27 Jun 2018 21:59

Instrument :

BNA_F

ClientSampleId :

JC-02-062618-H

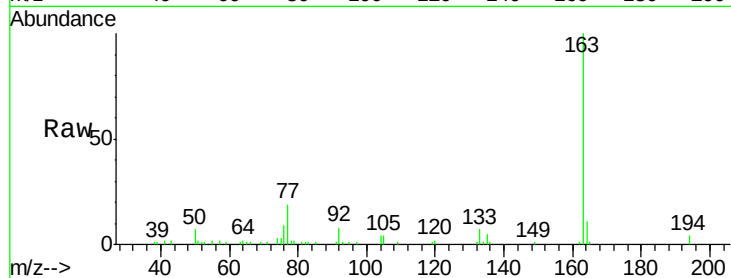
Tgt Ion:163 Resp: 38053

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

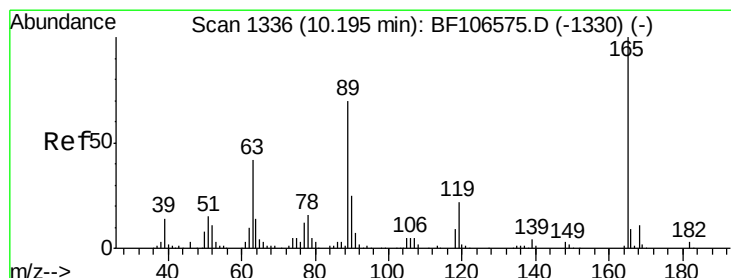
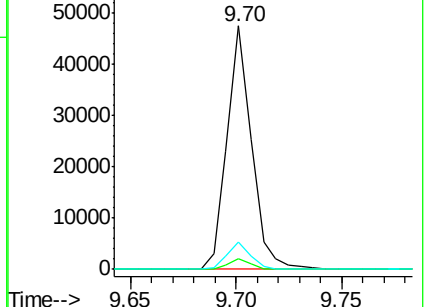
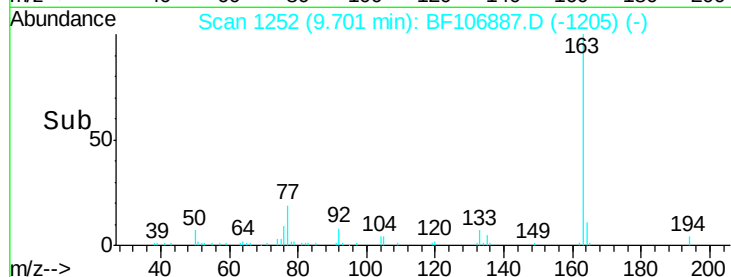
164 11.1 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.326 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.21 min

Lab File: BF106887.D

Acq: 27 Jun 2018 21:59

Tgt Ion:165 Resp: 4356

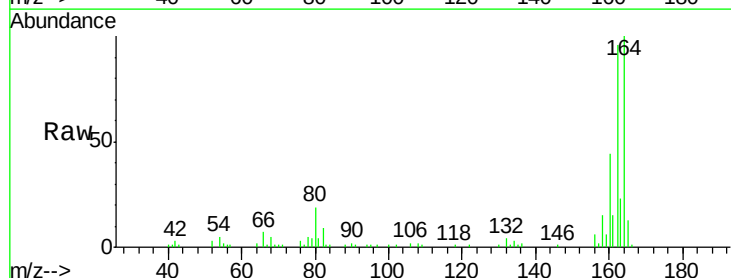
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

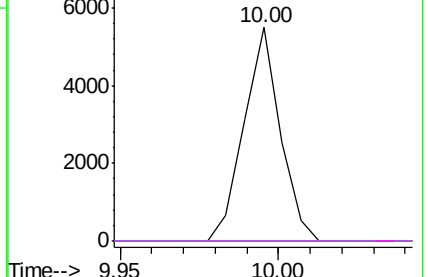
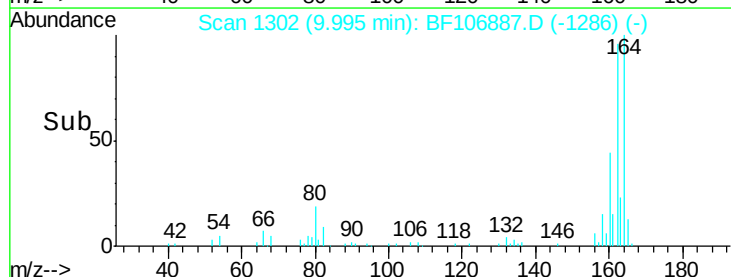


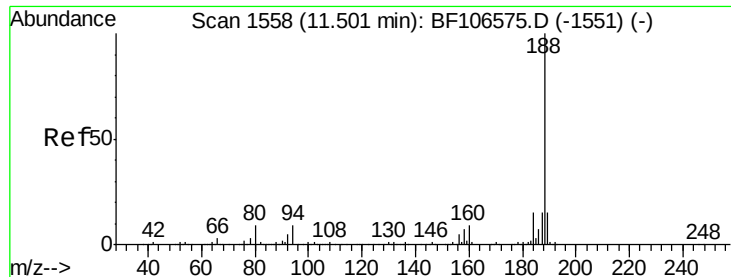
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF106887.D

Acq: 27 Jun 2018 21:59

Instrument :

BNA_F

ClientSampleId :

JC-02-062618-H

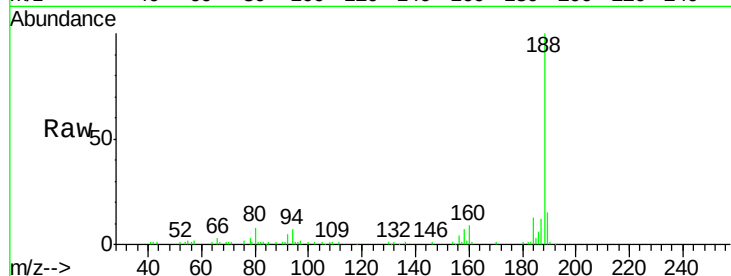
Tgt Ion:188 Resp: 59649

Ion Ratio Lower Upper

188 100

94 7.5 8.5 12.7#

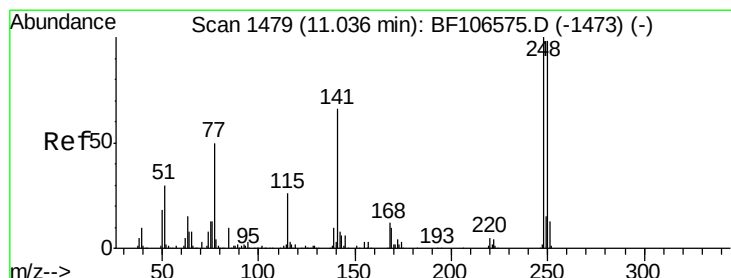
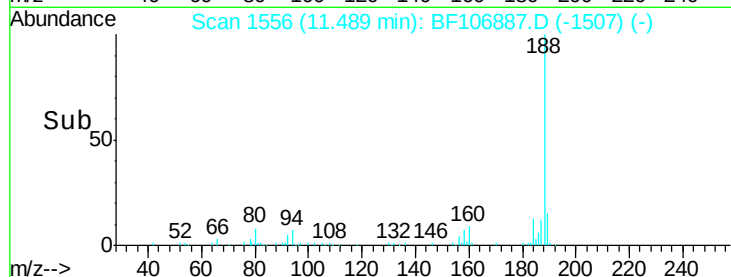
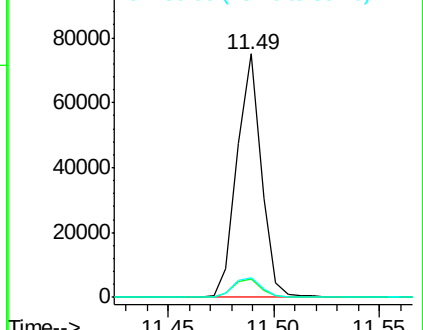
80 8.1 9.2 13.8#



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



#66

4-Bromophenyl-phenylether

Concen: 3.765 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.25 min

Lab File: BF106887.D

Acq: 27 Jun 2018 21:59

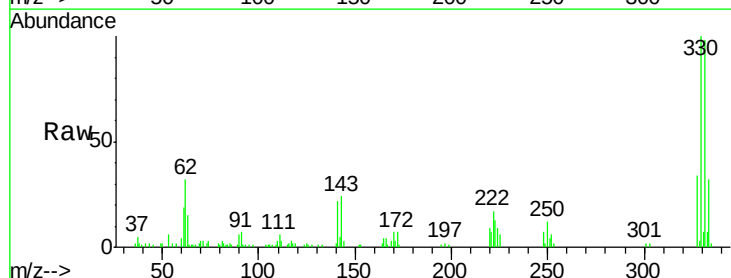
Tgt Ion:248 Resp: 2680

Ion Ratio Lower Upper

248 100

250 182.9 76.9 115.3#

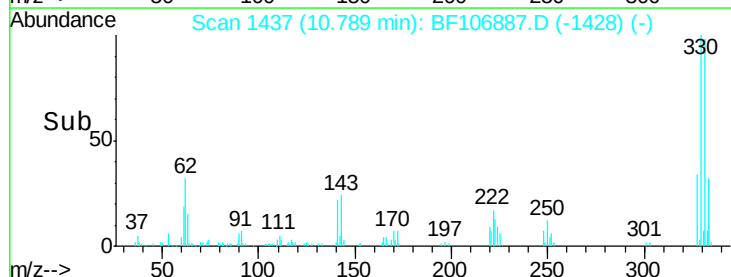
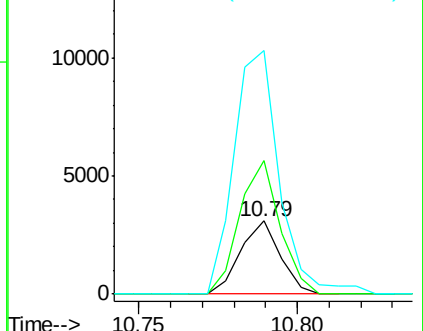
141 332.3 74.4 111.6#

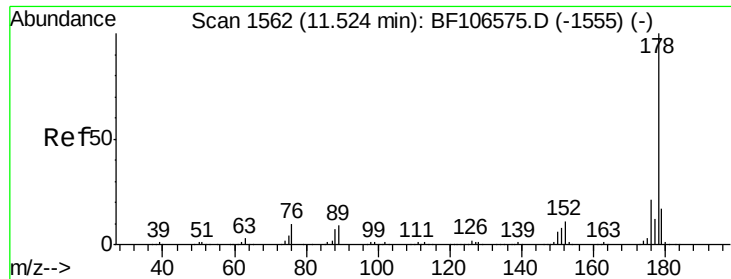


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

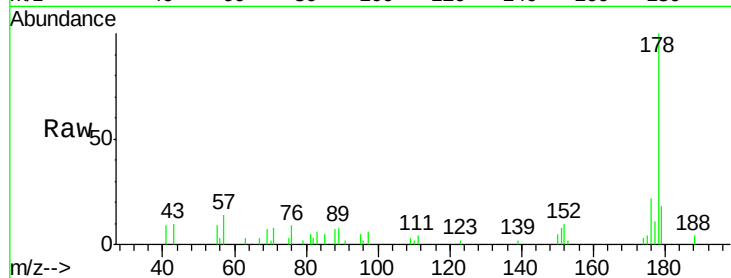




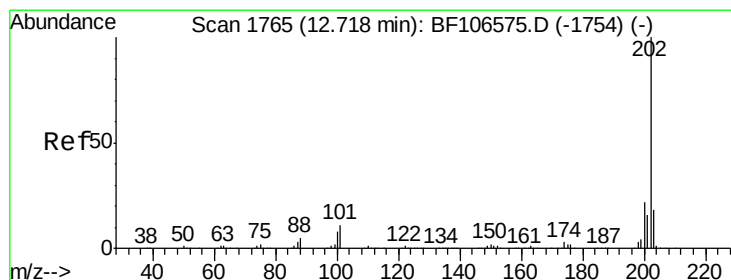
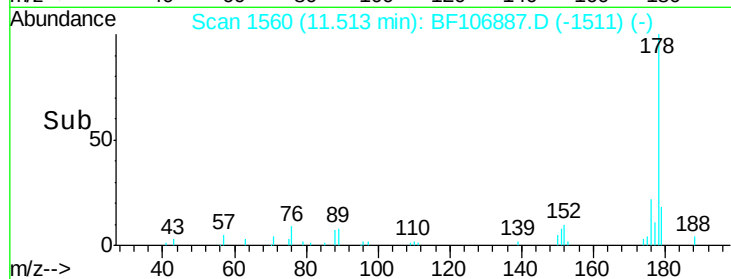
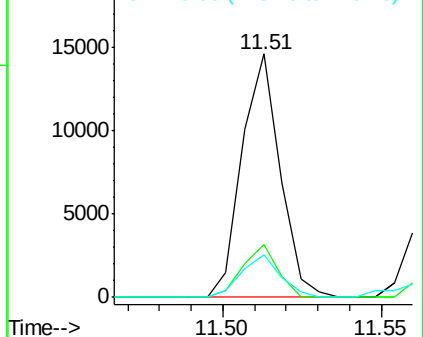
#70
Phenanthrene
Concen: 4.234 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF106887.D
Acq: 27 Jun 2018 21:59

Instrument :
BNA_F
ClientSampleId :
JC-02-062618-H

Tgt Ion:178 Resp: 12182
Ion Ratio Lower Upper
178 100
176 21.5 15.8 23.8
179 17.6 13.0 19.6

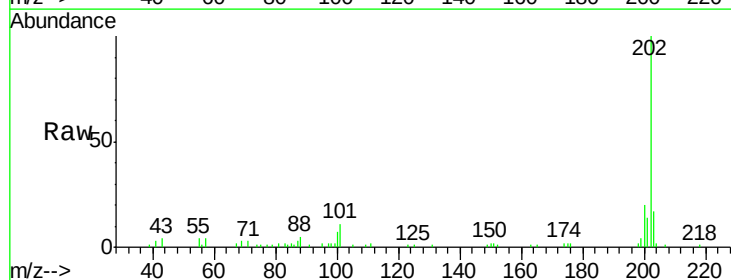


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

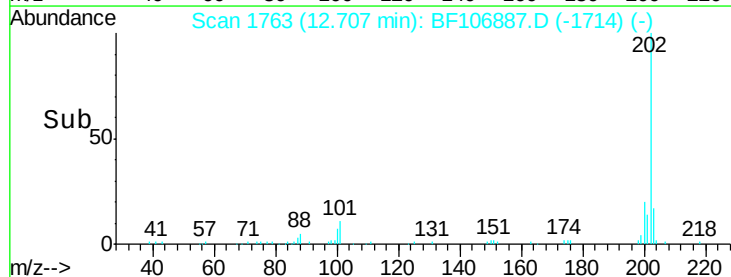
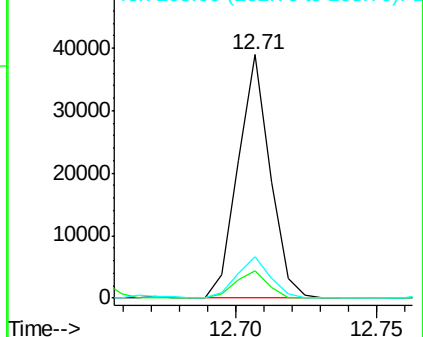


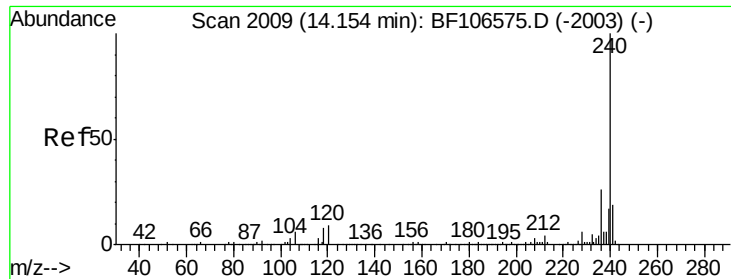
#74
Fluoranthene
Concen: 9.678 ng
RT: 12.71 min Scan# 1763
Delta R.T. -0.01 min
Lab File: BF106887.D
Acq: 27 Jun 2018 21:59

Tgt Ion:202 Resp: 30690
Ion Ratio Lower Upper
202 100
101 11.0 0.0 34.1
203 17.0 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: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF106887.D

Acq: 27 Jun 2018 21:59

Instrument :

BNA_F

ClientSampleId :

JC-02-062618-H

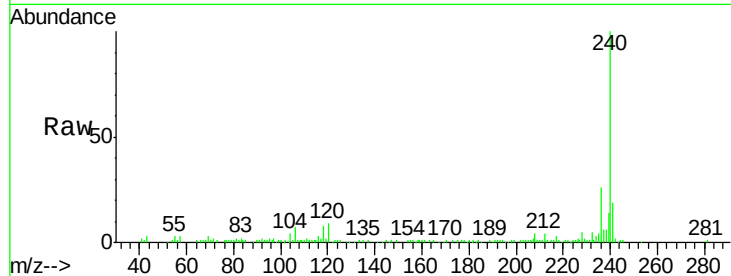
Tgt Ion:240 Resp: 62459

Ion Ratio Lower Upper

240 100

120 8.7 9.5 14.3#

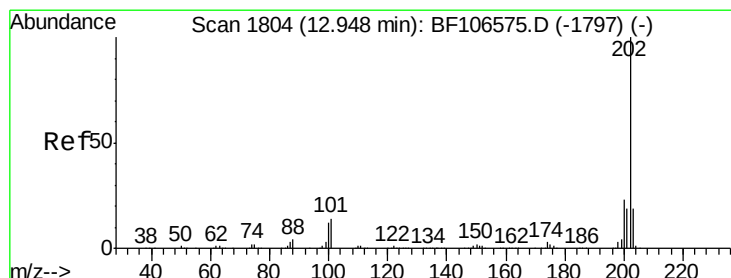
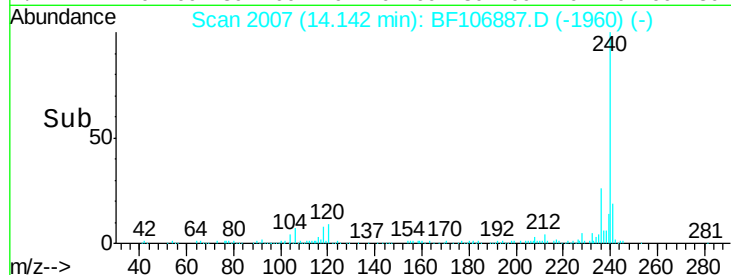
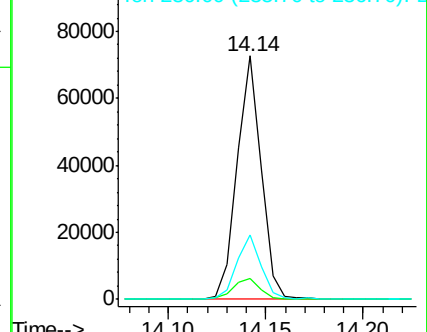
236 26.2 20.7 31.1



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

Pyrene

Concen: 7.455 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF106887.D

Acq: 27 Jun 2018 21:59

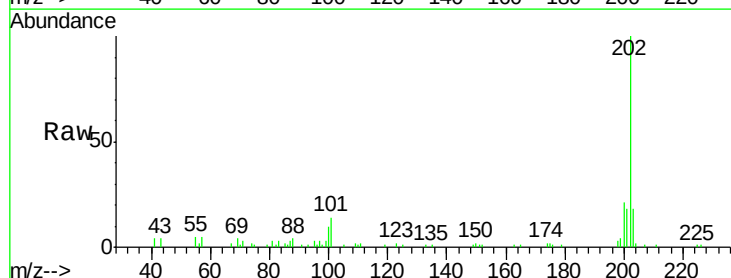
Tgt Ion:202 Resp: 30706

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

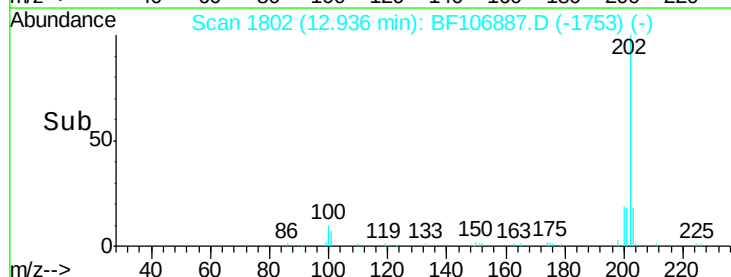
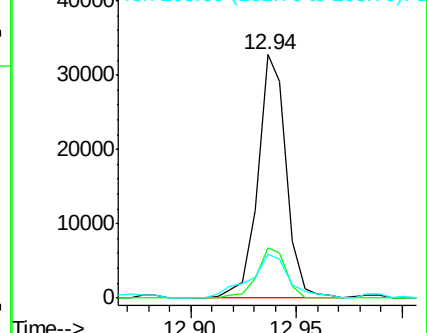
203 18.1 14.3 21.5

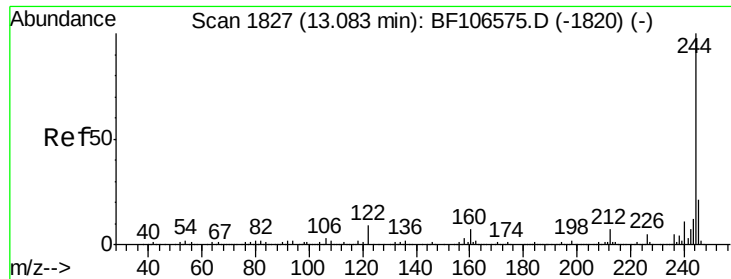


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 84.703 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF106887.D

Acq: 27 Jun 2018 21:59

Instrument :

BNA_F

ClientSampleId :

JC-02-062618-H

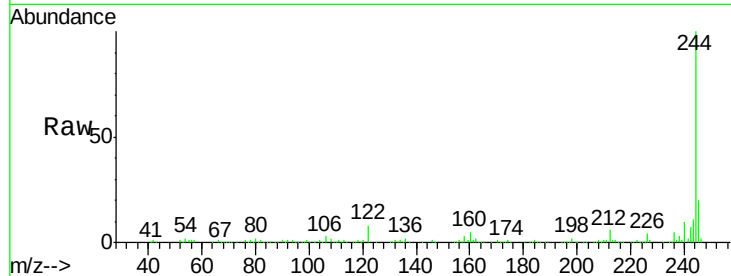
Tgt Ion:244 Resp: 218406

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

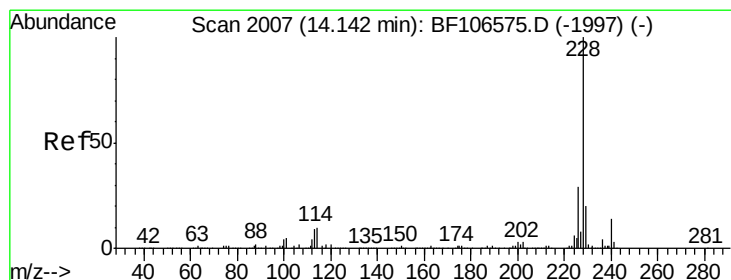
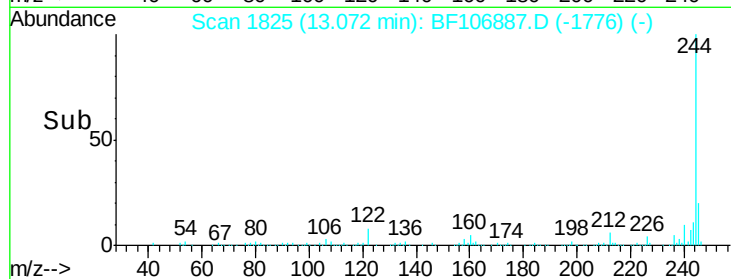
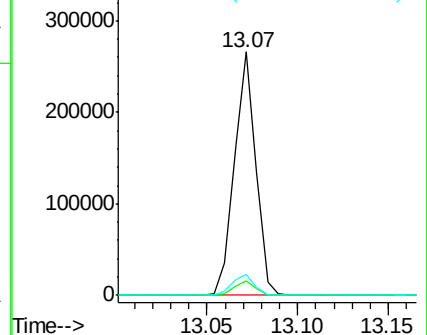
122 8.5 11.0 16.4#



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: 4.787 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF106887.D

Acq: 27 Jun 2018 21:59

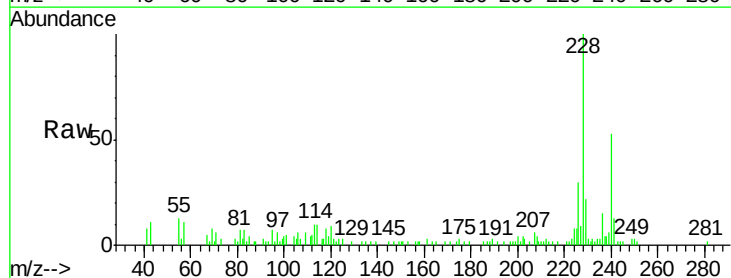
Tgt Ion:228 Resp: 18223

Ion Ratio Lower Upper

228 100

226 30.2 22.6 33.8

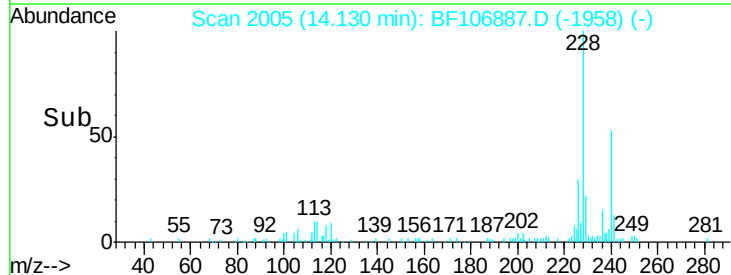
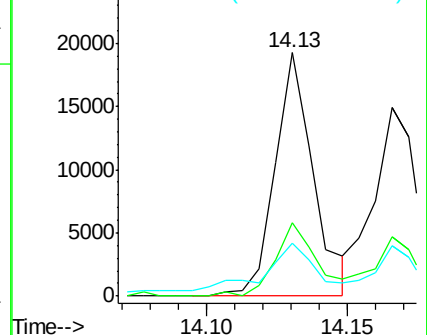
229 21.6 15.8 23.6

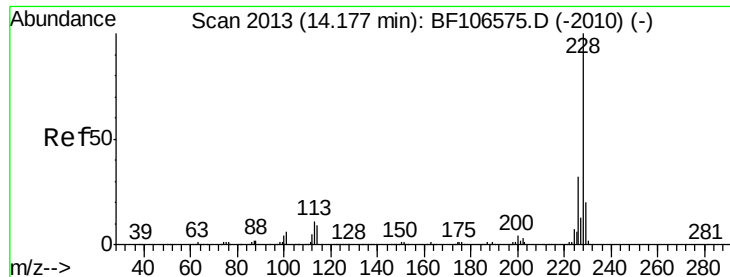


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.203 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.06 min

Lab File: BF106887.D

Acq: 27 Jun 2018 21:59

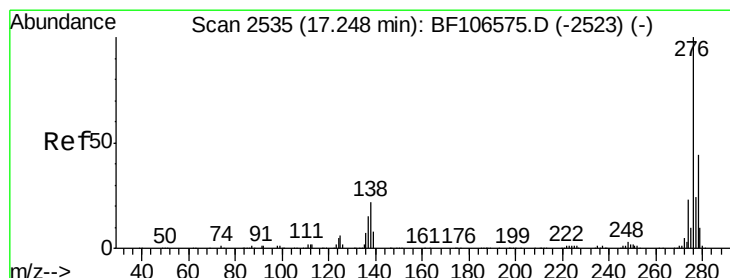
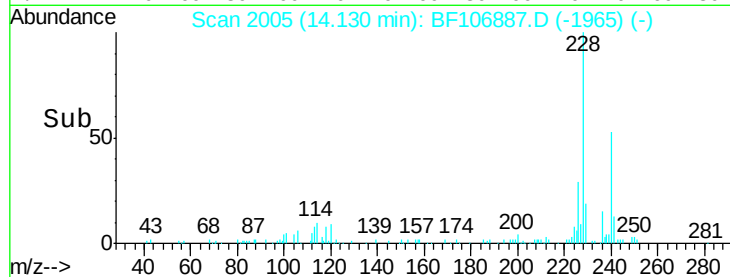
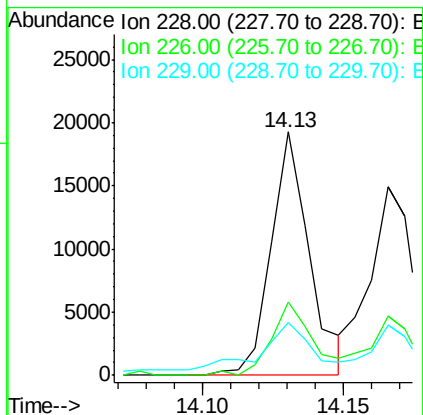
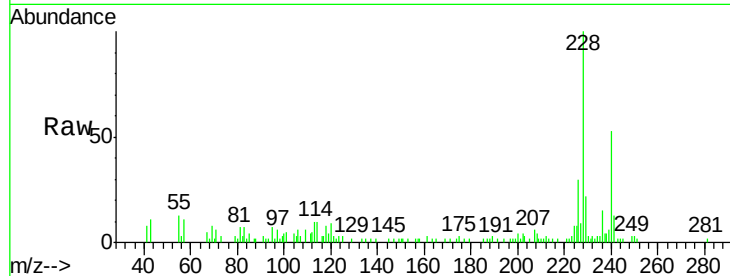
Instrument :

BNA_F

ClientSampleId :

JC-02-062618-H

Tgt Ion:	228	Resp:	18223
Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.6	16.2	24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.208 ng

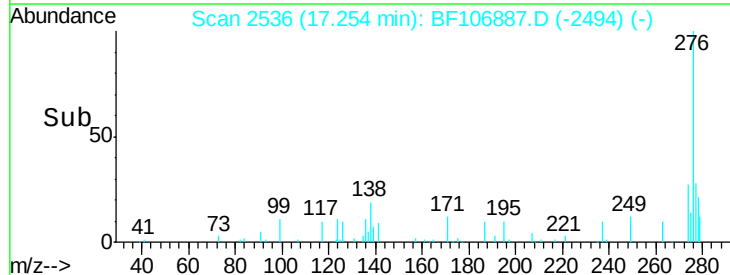
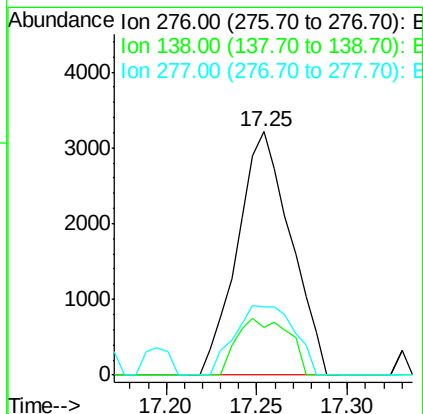
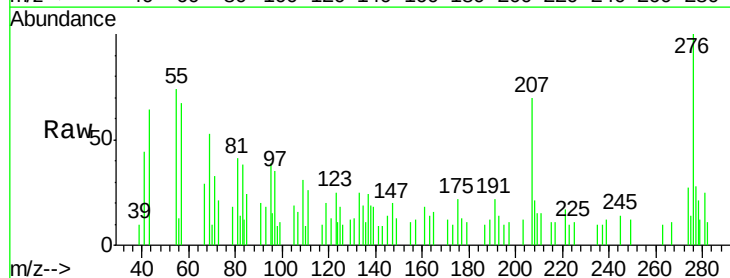
RT: 17.25 min Scan# 2536

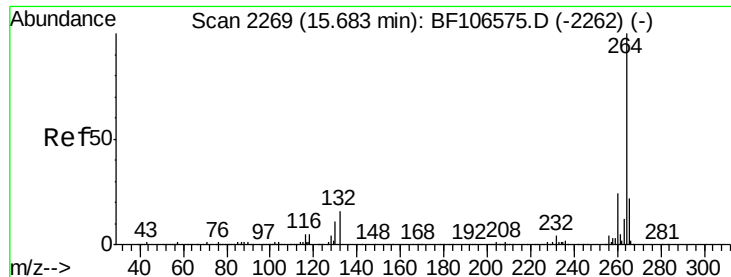
Delta R.T. -0.05 min

Lab File: BF106887.D

Acq: 27 Jun 2018 21:59

Tgt Ion:	276	Resp:	6561
Ion	Ratio	Lower	Upper
276	100		
138	22.5	25.0	37.6#
277	31.9	20.1	30.1#



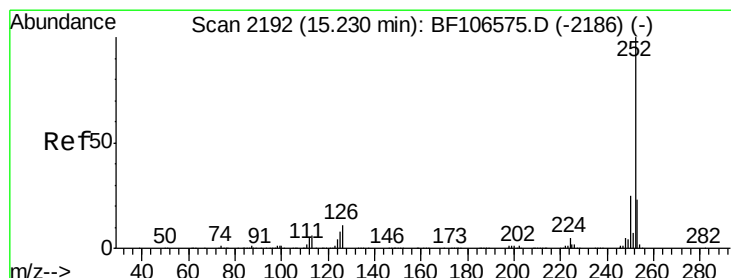
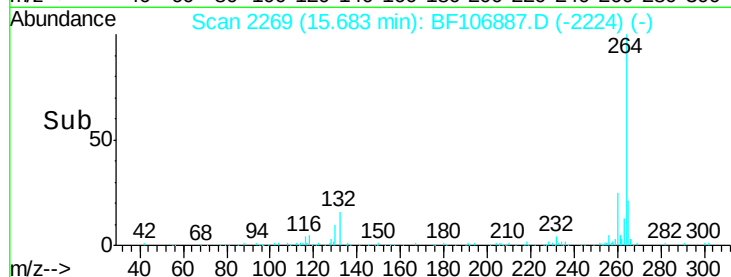
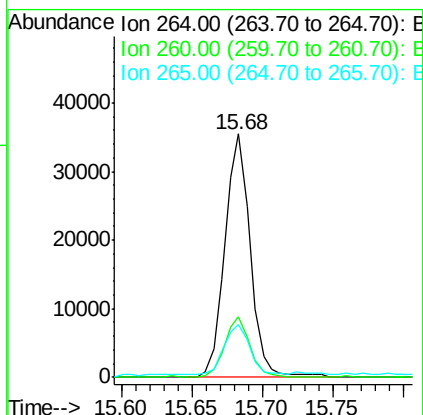
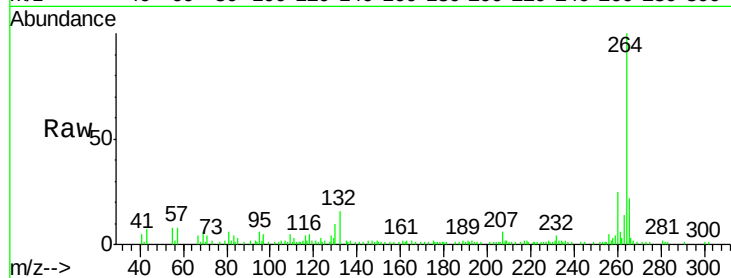


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.04 min
Lab File: BF106887.D
Acq: 27 Jun 2018 21:59

Instrument :
BNA_F
ClientSampleId :
JC-02-062618-H

Tgt Ion:264 Resp: 44297

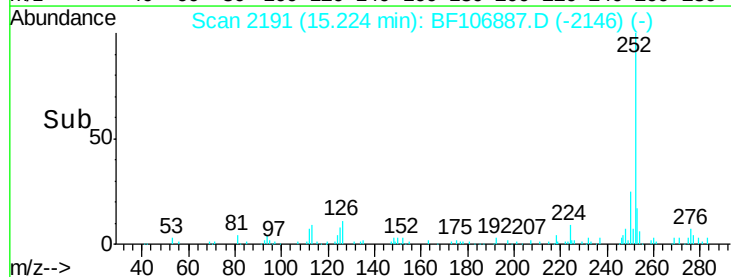
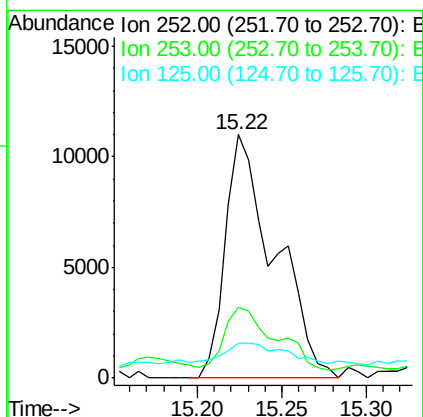
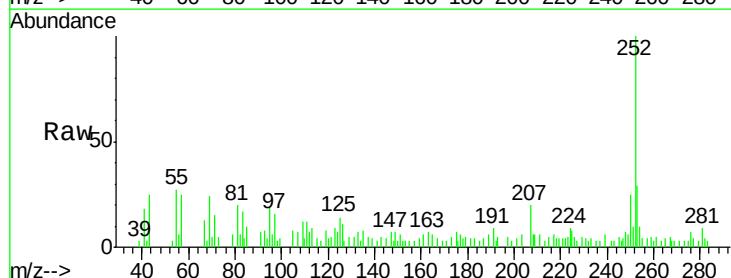
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	21.7	17.5	26.3

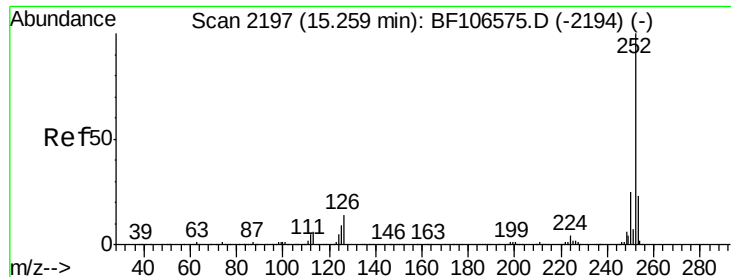


#87
Benzo(b)fluoranthene
Concen: 8.104 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF106887.D
Acq: 27 Jun 2018 21:59

Tgt Ion:252 Resp: 22300

Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.0	25.6#
125	14.5	9.0	13.6#

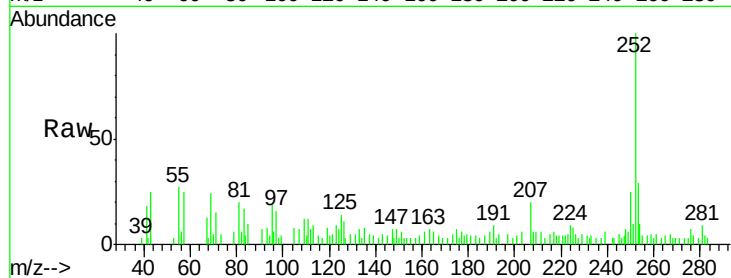




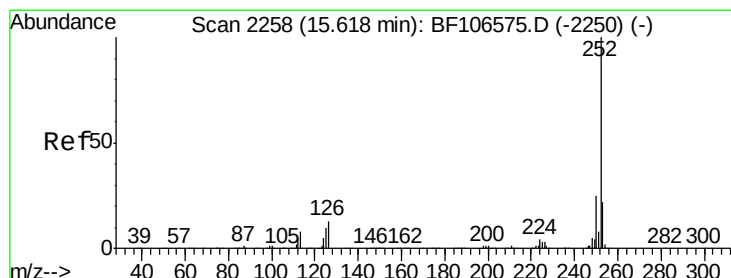
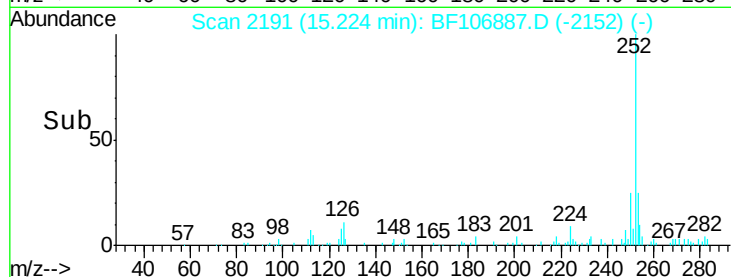
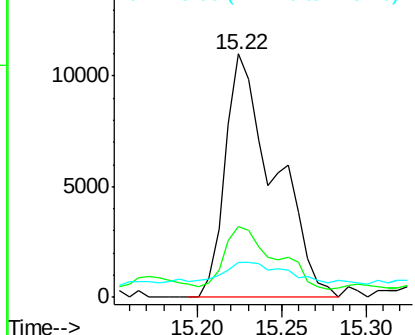
#88
Benzo(k)fluoranthene
Concen: 8.510 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.07 min
Lab File: BF106887.D
Acq: 27 Jun 2018 21:59

Instrument :
BNA_F
ClientSampleId :
JC-02-062618-H

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.9	26.9#
125	14.5	10.2	15.2

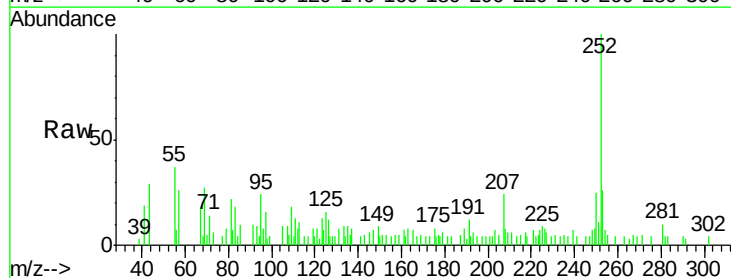


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

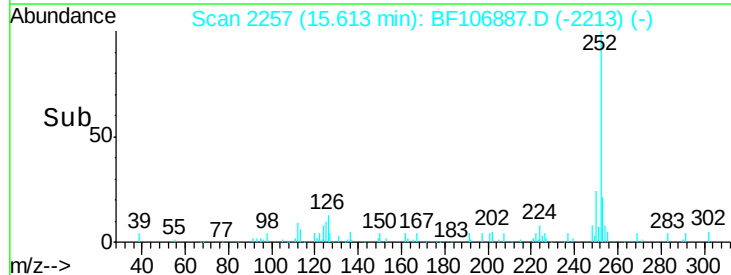
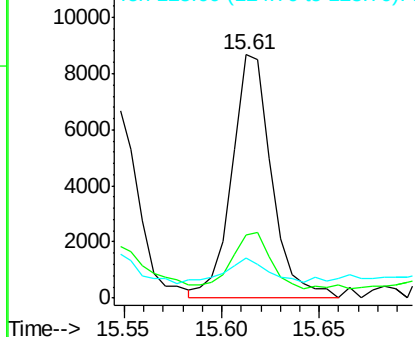


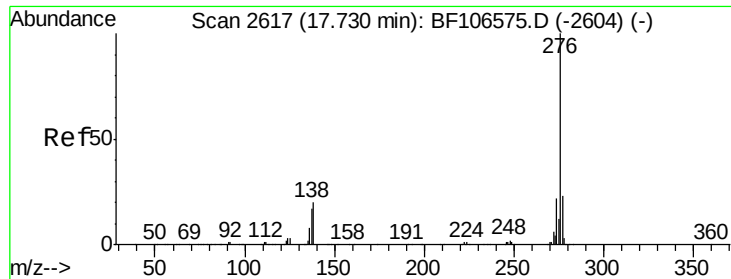
#89
Benzo(a)pyrene
Concen: 5.013 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF106887.D
Acq: 27 Jun 2018 21:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.1	25.7#
125	16.3	9.8	14.6#



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





#91
 Benzo(g,h,i)perylene
 Concen: 3.187 ng
 RT: 17.74 min Scan# 2618
 Delta R.T. -0.05 min
 Lab File: BF106887.D
 Acq: 27 Jun 2018 21:59

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-062618-H

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.8	17.9	26.9#
138	20.7	21.8	32.8#

