

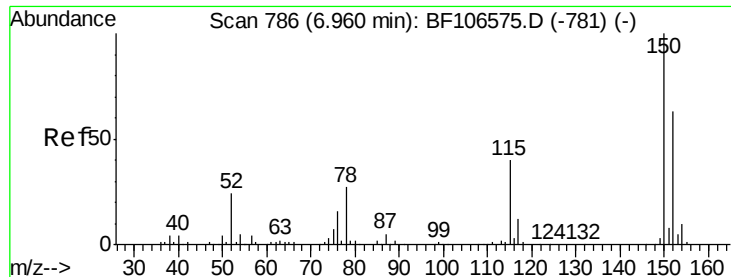
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062818\
 Data File : BF106936.D
 Acq On : 28 Jun 2018 22:17
 Operator : JU/SJ
 Sample : J3242-13 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 29 01:11:52 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	65585	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	225955	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	90945	20.00	ng	-0.01
63) Phenanthrene-d10	11.48	188	166752	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	215785	20.00	ng	-0.03
86) Perylene-d12	15.67	264	191651	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	173597	44.82	ng	-0.01
7) Phenol-d6	6.59	99	205188	42.42	ng	-0.02
23) Nitrobenzene-d5	7.51	82	121694	29.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	45055	42.74	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	225814	33.00	ng	-0.02
78) Terphenyl-d14	13.07	244	274706	30.84	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.51	70	15005	4.706	ng	# 75
25) Isophorone	7.51	82	121692	16.985	ng	# 64
49) Dimethylphthalate	9.70	163	38549	5.652	ng	99
50) 2,6-Dinitrotoluene	10.00	165	10752	7.444	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	10752	5.703	ng	# 21
70) Phenanthrene	11.51	178	19948	2.480	ng	98
74) Fluoranthene	12.70	202	46218	5.214	ng	95
77) Pyrene	12.94	202	46746	3.285	ng	97
80) Benzo(a)anthracene	14.12	228	35648	2.711	ng	97
82) Chrysene	14.16	228	31731	2.623	ng	97
87) Benzo(b)fluoranthene	15.21	252	47426	3.984	ng	# 87
88) Benzo(k)fluoranthene	15.21	252	47426	4.183	ng	# 90
89) Benzo(a)pyrene	15.60	252	23605	2.230	ng	# 91

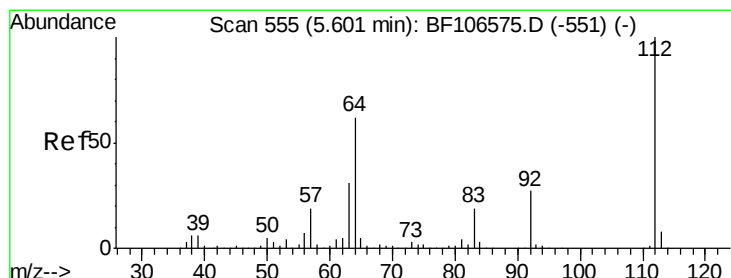
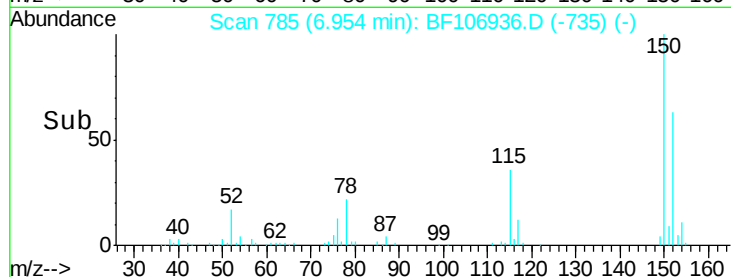
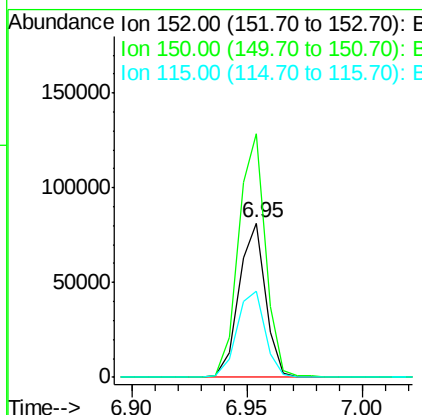
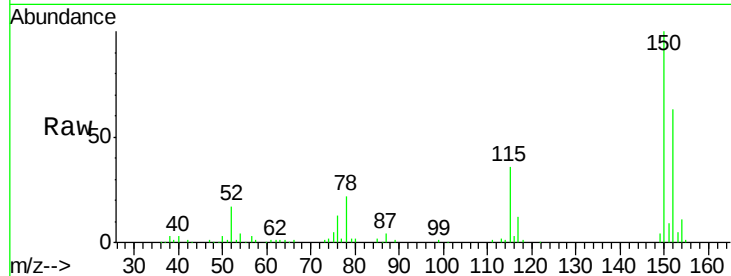
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF106936.D
 Acq: 28 Jun 2018 22:17

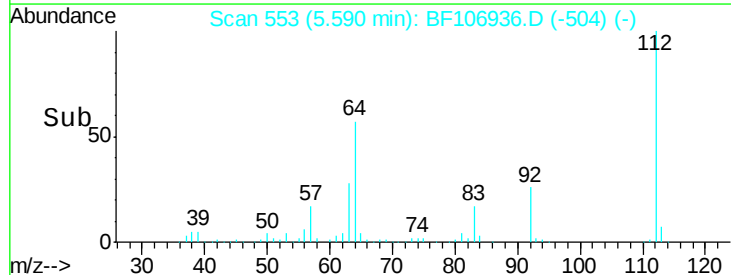
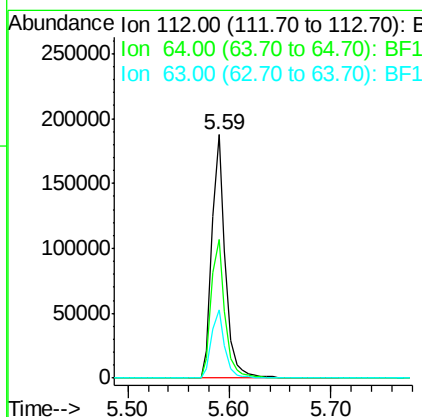
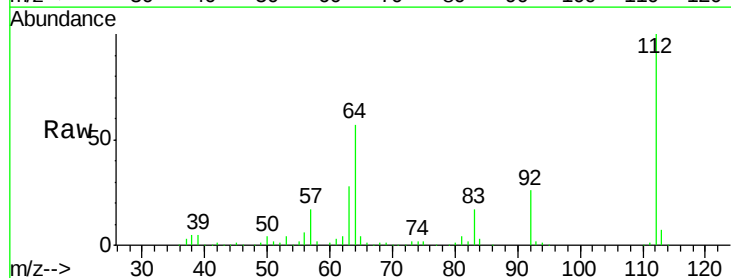
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-062618-G

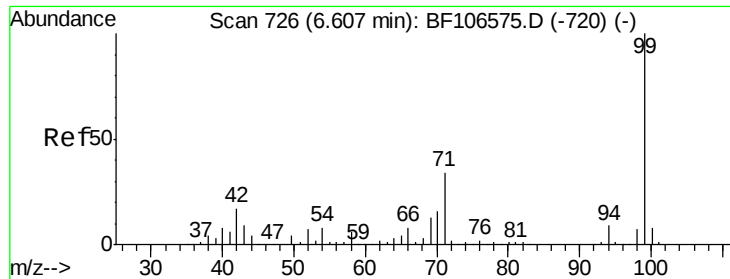
Tgt Ion:152 Resp: 65585
 Ion Ratio Lower Upper
 152 100
 150 157.8 124.6 186.8
 115 56.2 50.1 75.1



#5
 2-Fluorophenol
 Concen: 44.820 ng
 RT: 5.59 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF106936.D
 Acq: 28 Jun 2018 22:17

Tgt Ion:112 Resp: 173597
 Ion Ratio Lower Upper
 112 100
 64 56.8 47.9 71.9
 63 28.0 23.7 35.5





#7

Phenol-d6

Concen: 42.422 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF106936.D

Acq: 28 Jun 2018 22:17

Instrument :

BNA_F

ClientSampleId :

JC-02-062618-G

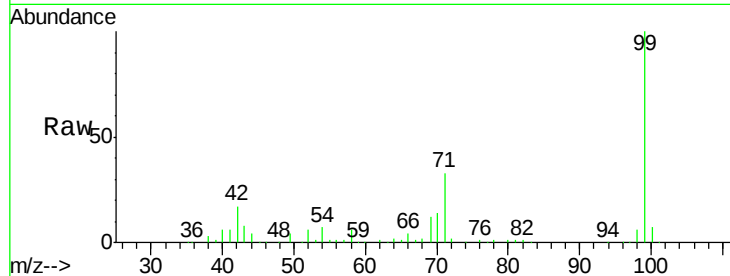
Tgt Ion: 99 Resp: 205188

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

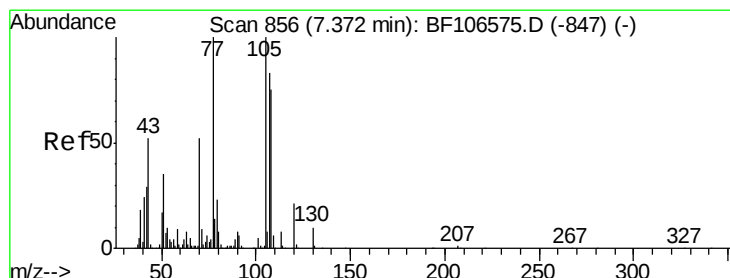
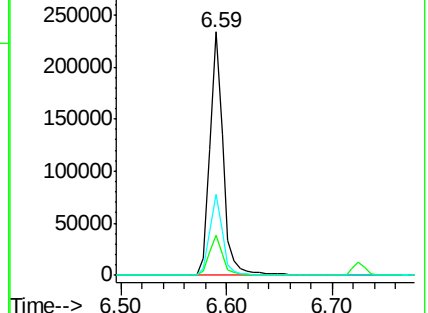
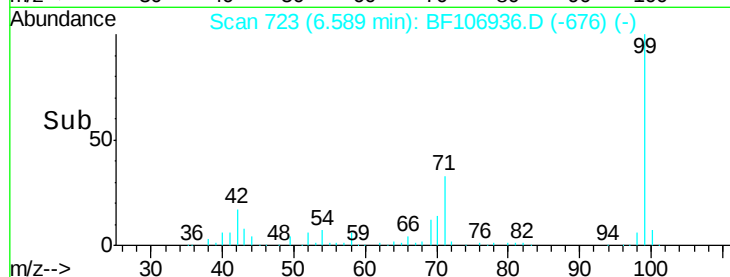
71 33.0 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.706 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF106936.D

Acq: 28 Jun 2018 22:17

Tgt Ion: 70 Resp: 15005

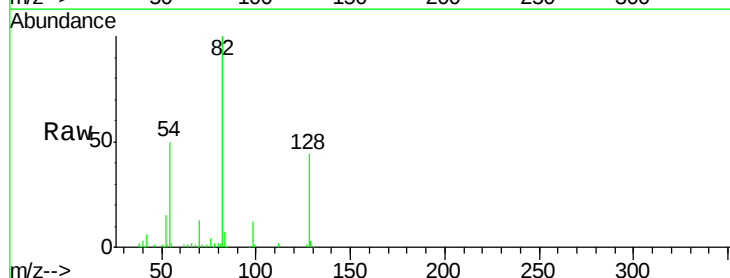
Ion Ratio Lower Upper

70 100

42 44.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

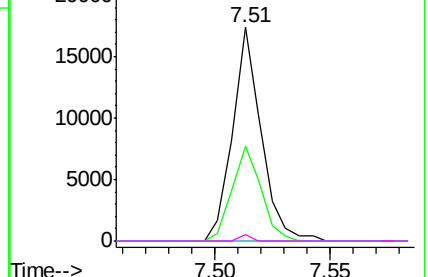
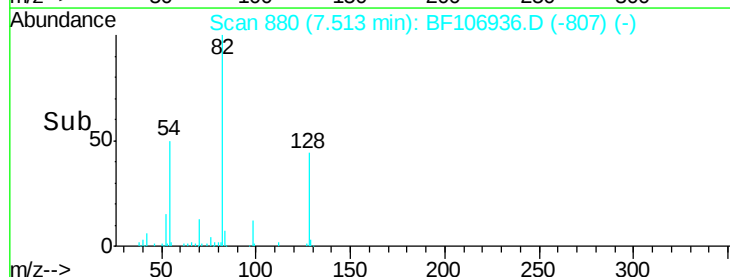


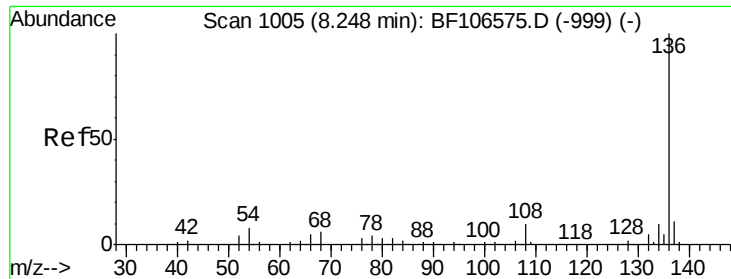
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

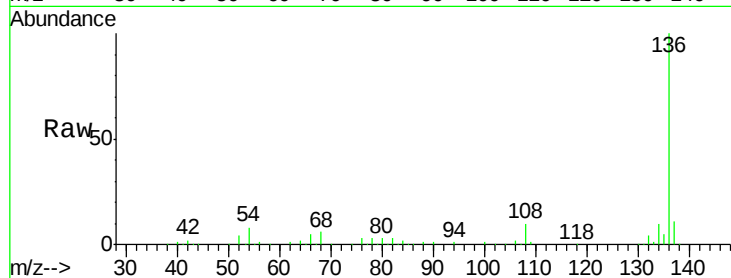




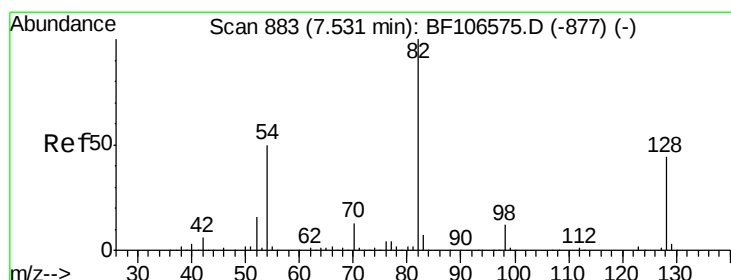
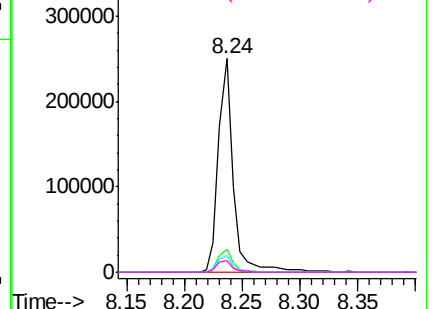
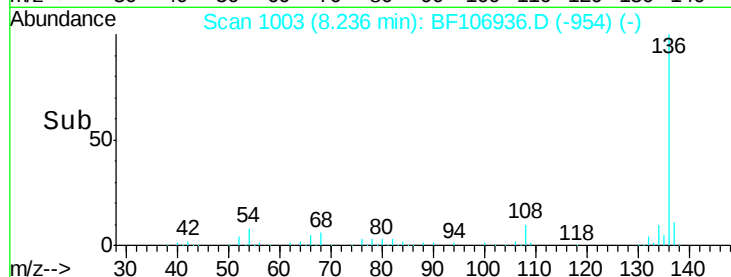
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF106936.D
Acq: 28 Jun 2018 22:17

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

Tgt Ion:	136	Resp:	225955
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.6	6.6	9.8
68	5.7	5.0	7.4

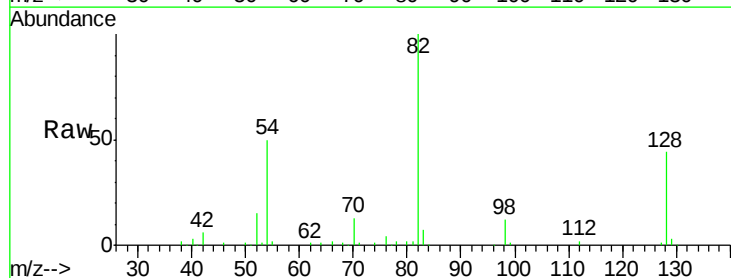


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

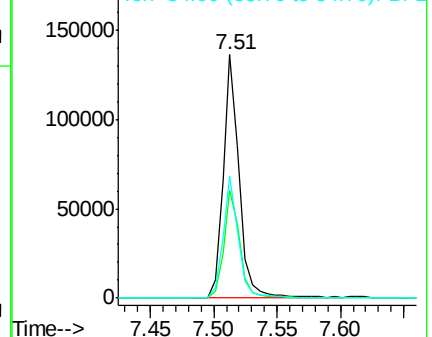
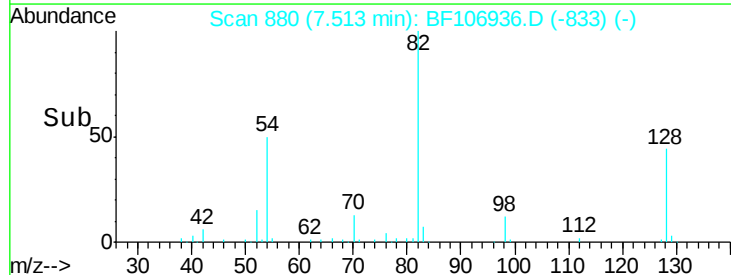


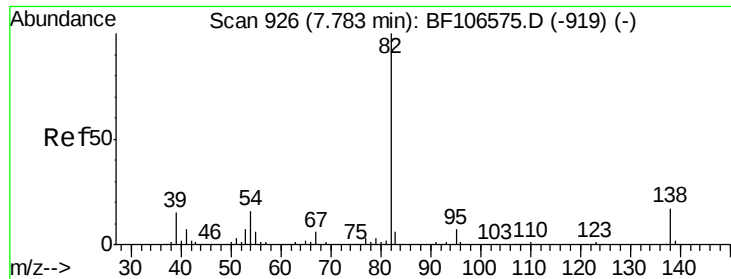
#23
Nitrobenzene-d5
Concen: 29.931 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF106936.D
Acq: 28 Jun 2018 22:17

Tgt Ion:	82	Resp:	121694
Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.1	54.1
54	50.0	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

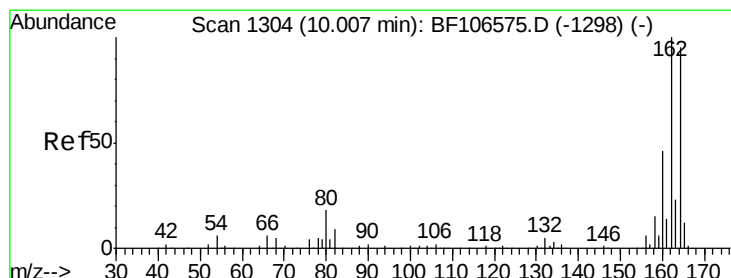
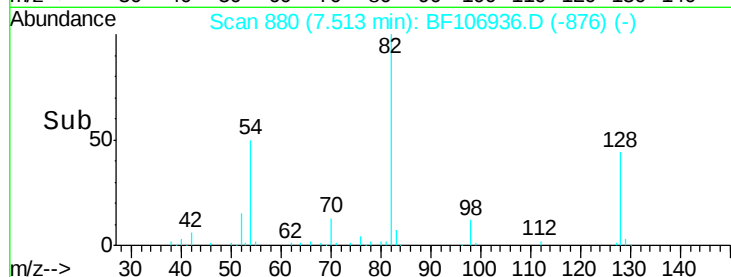
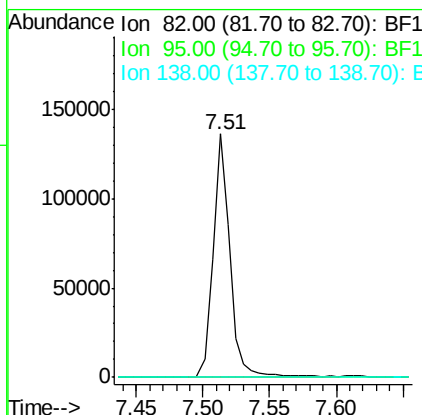
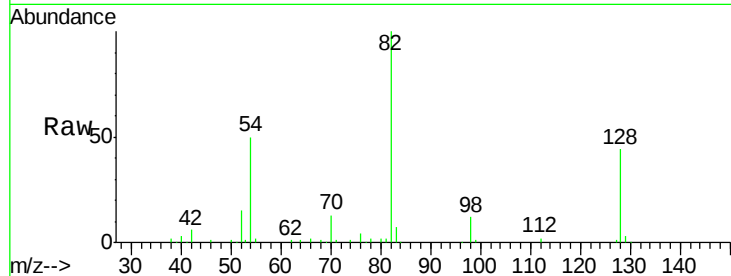




#25
Isophorone
Concen: 16.985 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF106936.D
Acq: 28 Jun 2018 22:17

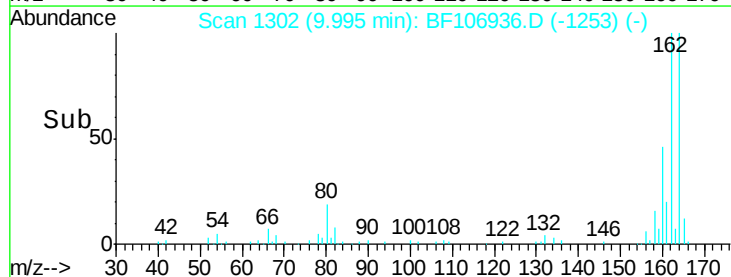
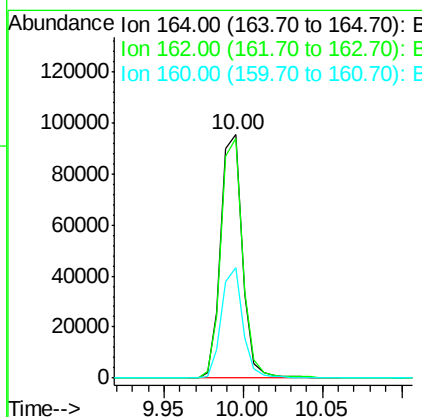
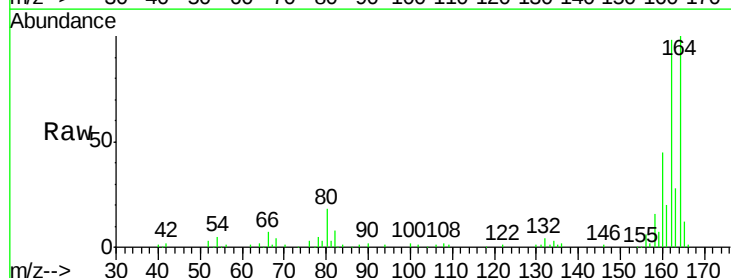
Instrument :
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ClientSampleId :
JC-02-062618-G

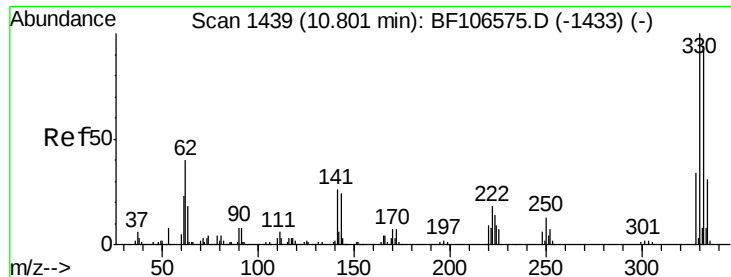
Tgt Ion: 82 Resp: 121692
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF106936.D
Acq: 28 Jun 2018 22:17

Tgt Ion: 164 Resp: 90945
Ion Ratio Lower Upper
164 100
162 98.3 86.1 129.1
160 45.1 38.3 57.5

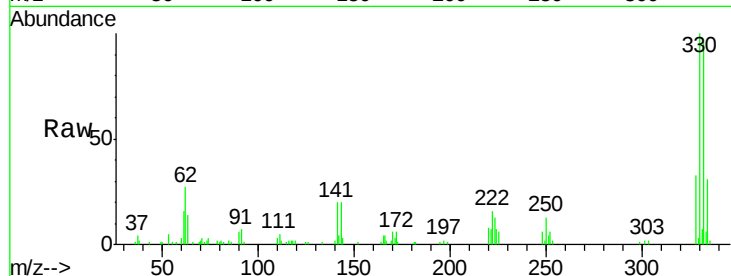




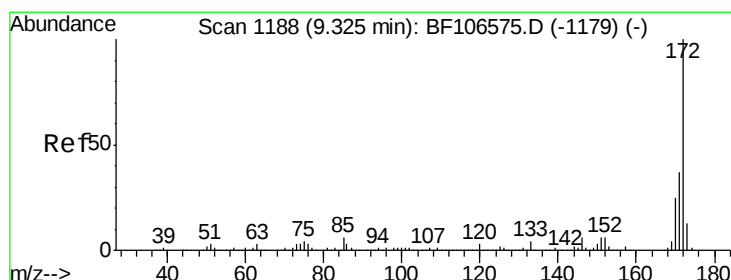
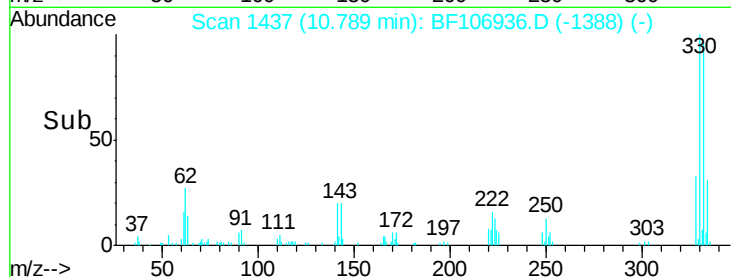
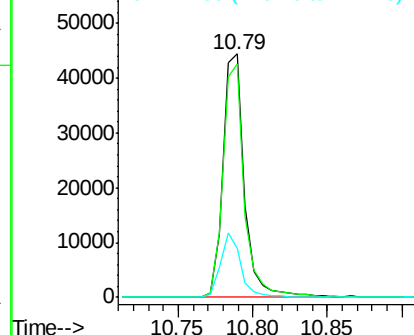
#41
 2,4,6-Tribromophenol
 Concen: 42.744 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF106936.D
 Acq: 28 Jun 2018 22:17

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

Tgt Ion: 330 Resp: 45055
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 24.9 29.9 44.9#

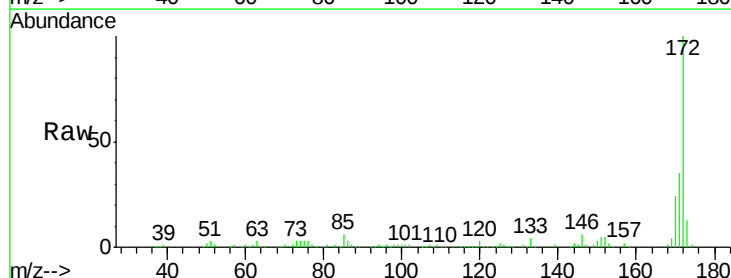


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

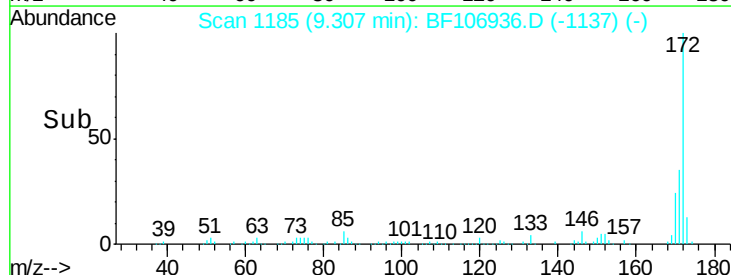
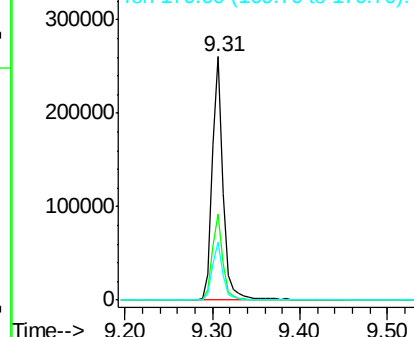


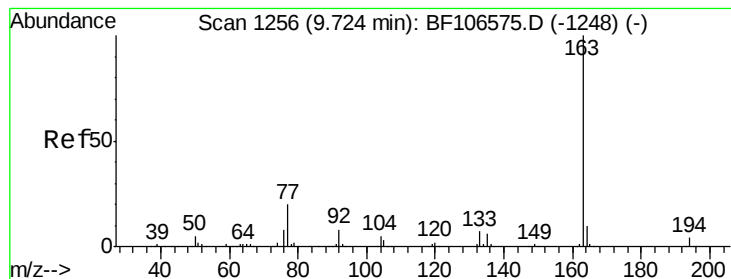
#44
 2-Fluorobiphenyl
 Concen: 33.004 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF106936.D
 Acq: 28 Jun 2018 22:17

Tgt Ion: 172 Resp: 225814
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 24.1 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 5.652 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF106936.D

Acq: 28 Jun 2018 22:17

Instrument :

BNA_F

ClientSampleId :

JC-02-062618-G

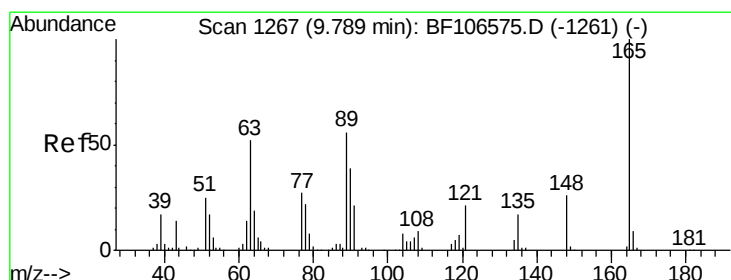
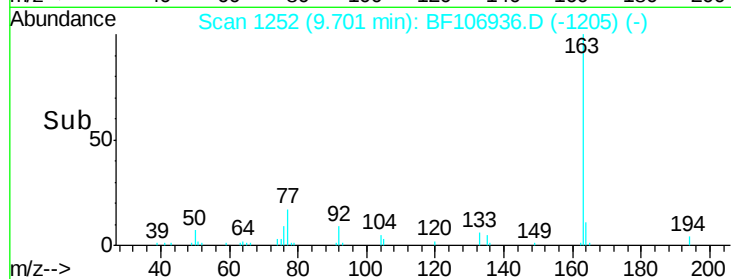
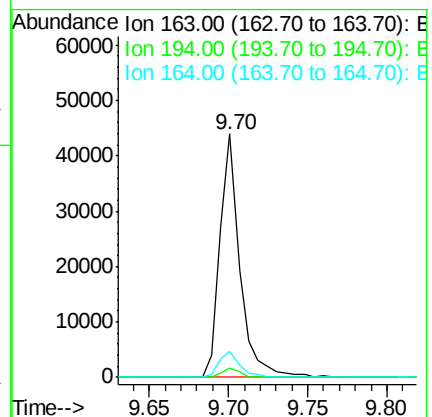
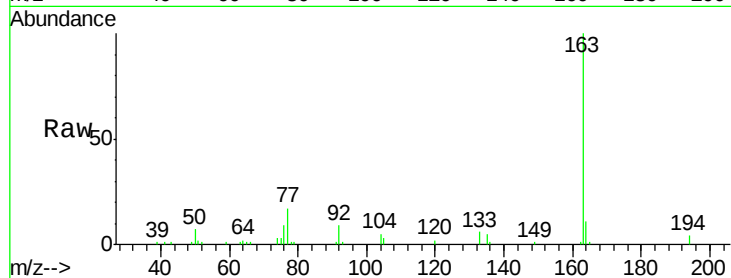
Tgt Ion:163 Resp: 38549

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

164 10.5 8.2 12.2



#50

2,6-Dinitrotoluene

Concen: 7.444 ng

RT: 10.00 min Scan# 1302

Delta R.T. 0.20 min

Lab File: BF106936.D

Acq: 28 Jun 2018 22:17

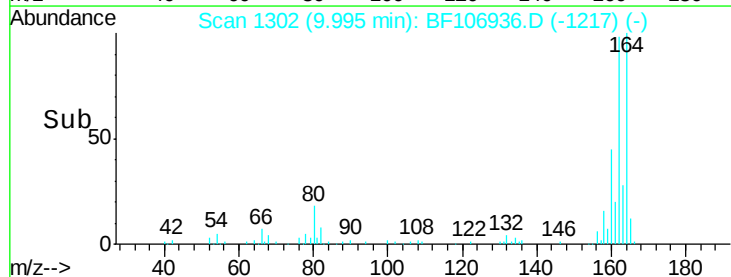
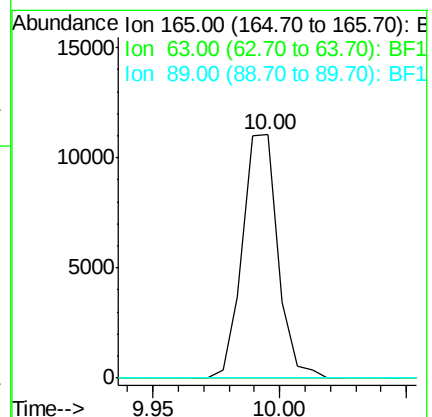
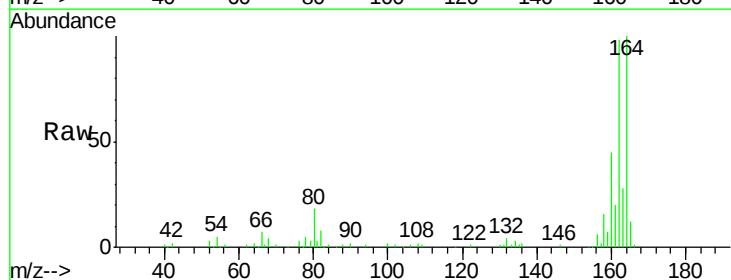
Tgt Ion:165 Resp: 10752

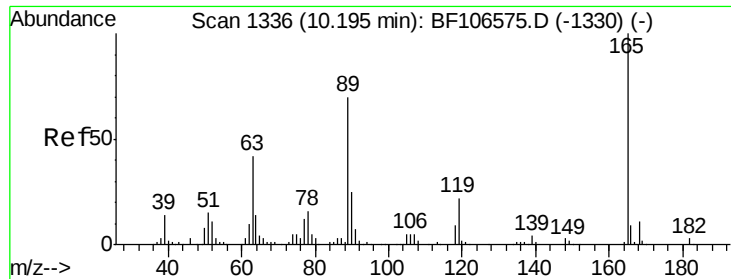
Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

89 0.0 44.0 66.0#

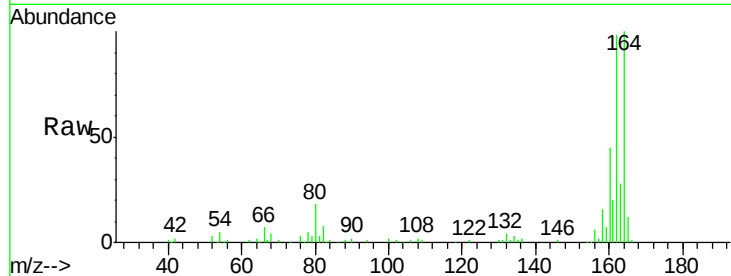




#56
2,4-Dinitrotoluene
Concen: 5.703 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.21 min
Lab File: BF106936.D
Acq: 28 Jun 2018 22:17

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

Tgt 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#

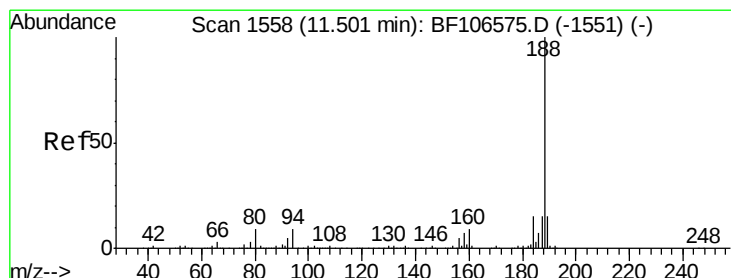
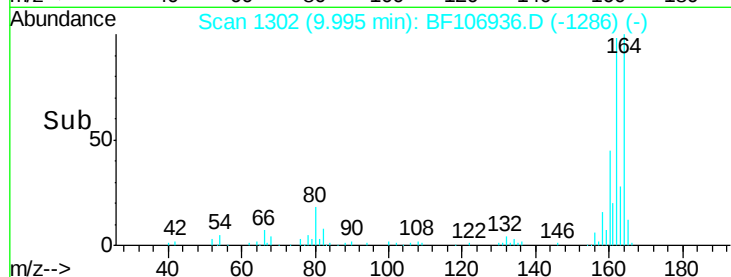
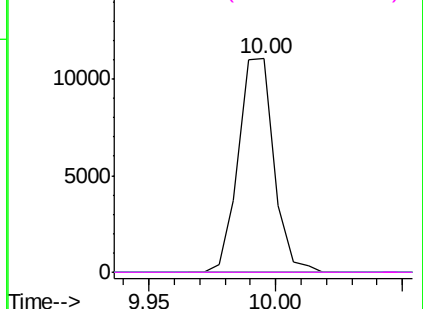


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

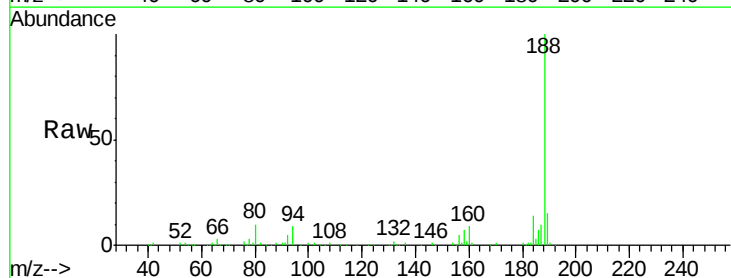
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF106936.D
Acq: 28 Jun 2018 22:17

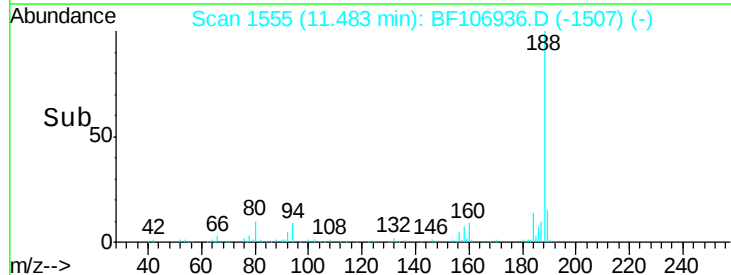
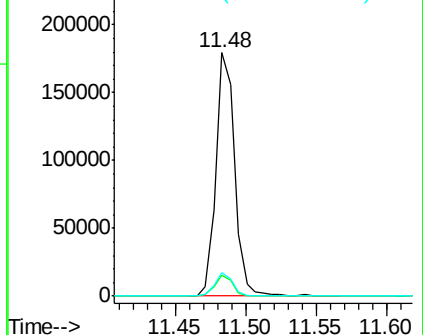
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	9.9	9.2	13.8

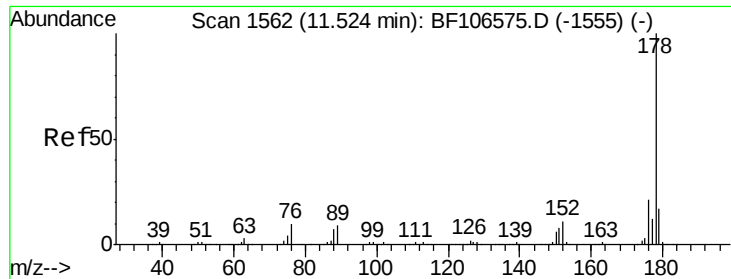


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

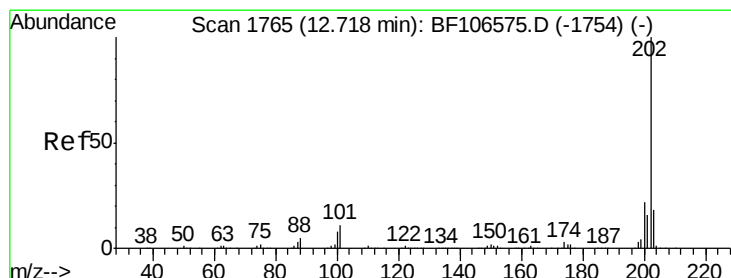
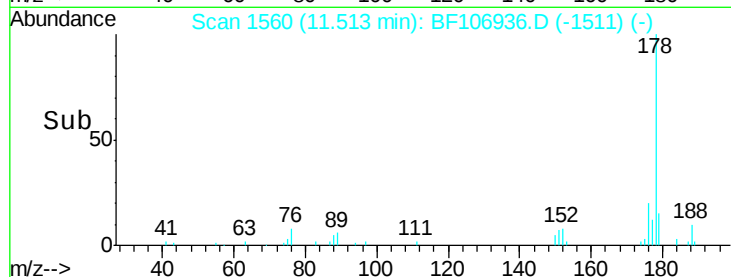
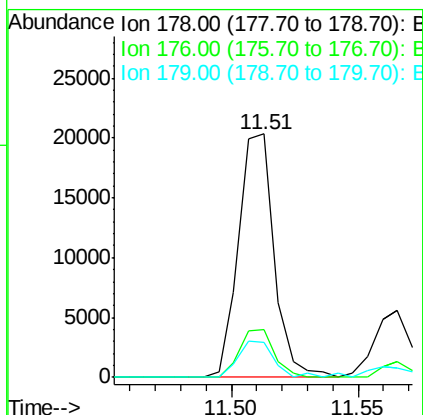
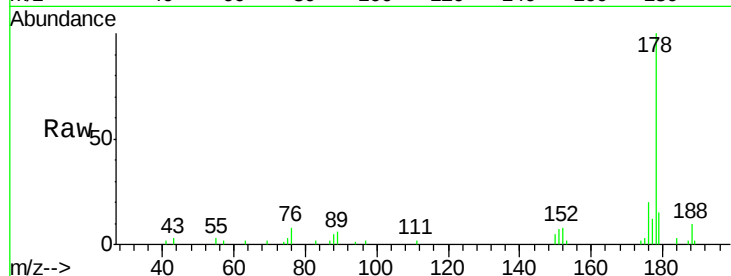




#70
Phenanthrene
Concen: 2.480 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF106936.D
Acq: 28 Jun 2018 22:17

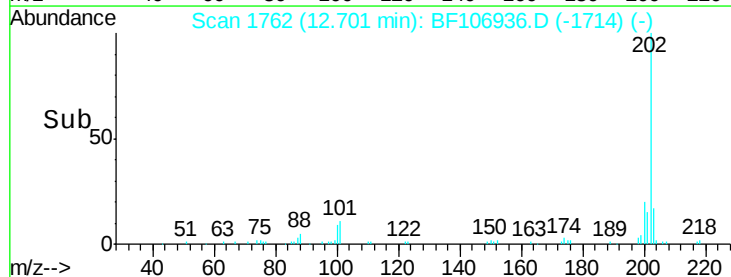
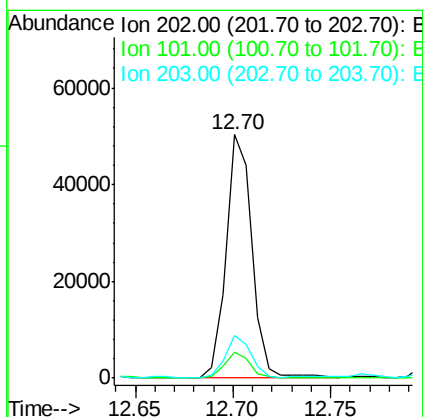
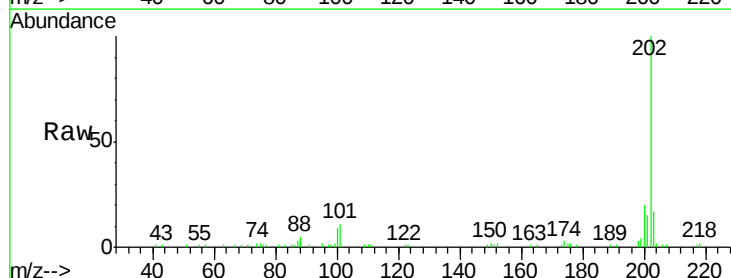
Instrument :
BNA_F
ClientSampleId :
JC-02-062618-G

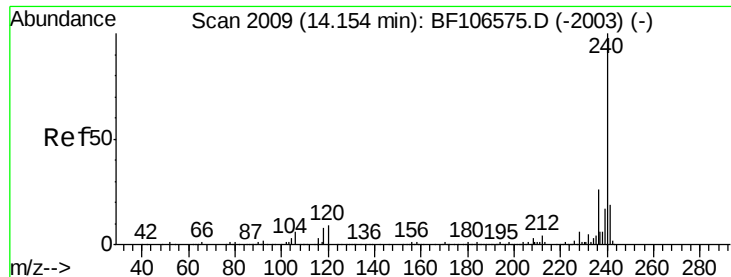
Tgt Ion:178 Resp: 19948
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 14.5 13.0 19.6



#74
Fluoranthene
Concen: 5.214 ng
RT: 12.70 min Scan# 1762
Delta R.T. -0.02 min
Lab File: BF106936.D
Acq: 28 Jun 2018 22:17

Tgt Ion:202 Resp: 46218
Ion Ratio Lower Upper
202 100
101 10.5 0.0 34.1
203 17.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.03 min

Lab File: BF106936.D

Acq: 28 Jun 2018 22:17

Instrument :

BNA_F

ClientSampleId :

JC-02-062618-G

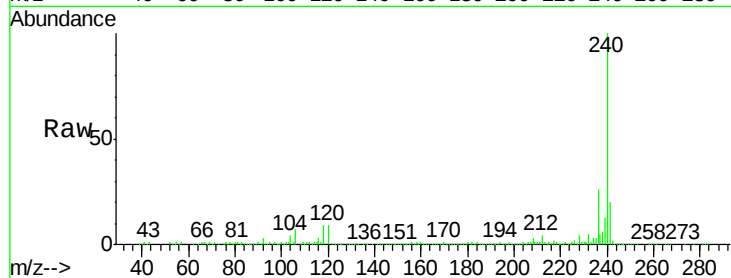
Tgt Ion:240 Resp: 215785

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

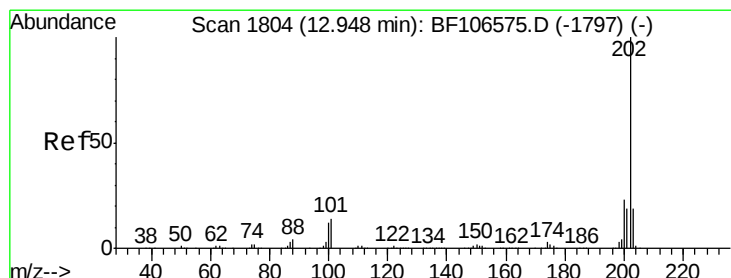
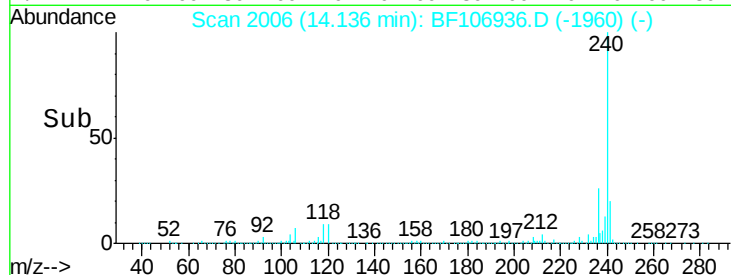
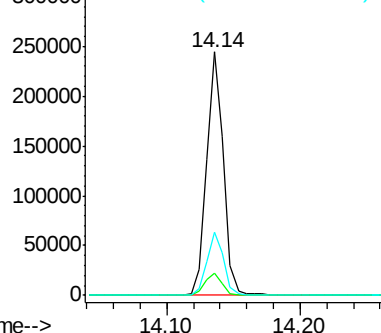
236 25.9 20.7 31.1



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: 3.285 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF106936.D

Acq: 28 Jun 2018 22:17

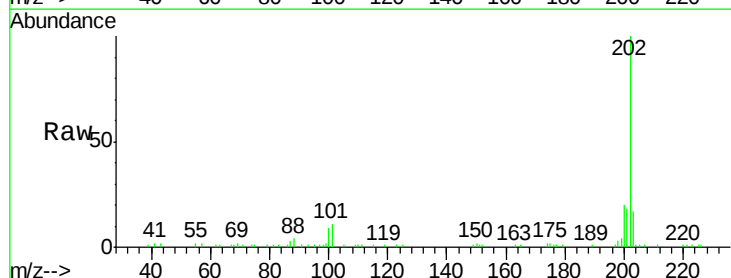
Tgt Ion:202 Resp: 46746

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

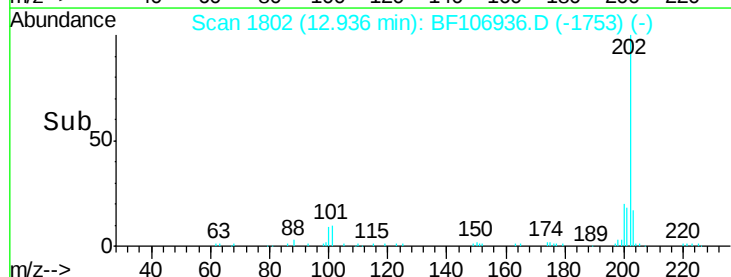
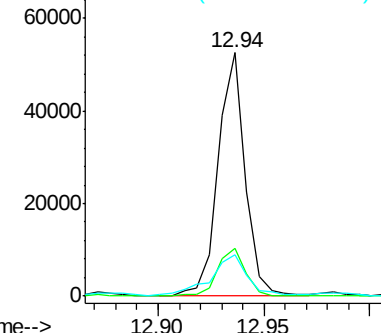
203 17.1 14.3 21.5

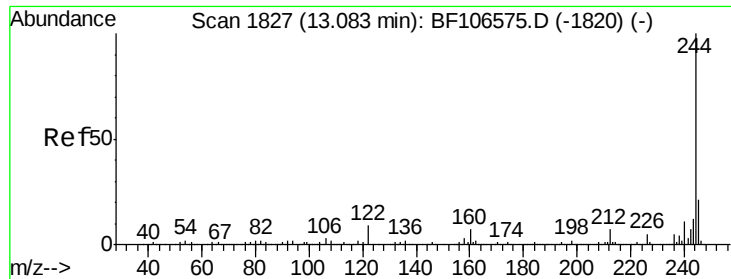


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

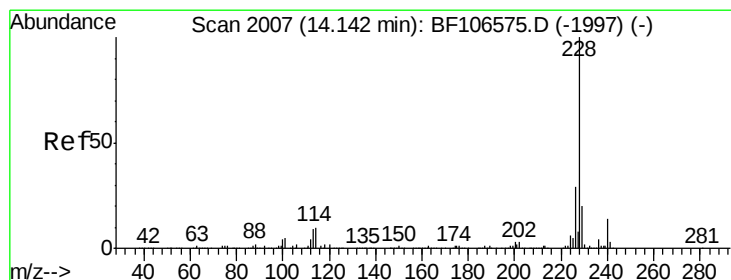
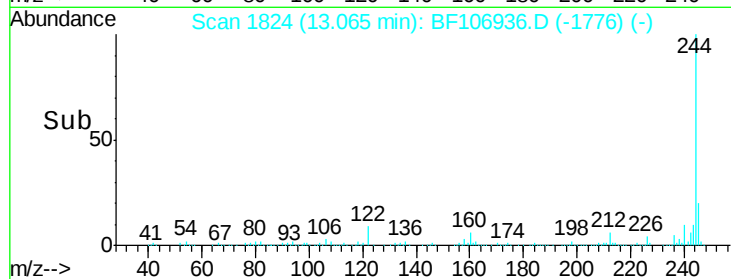
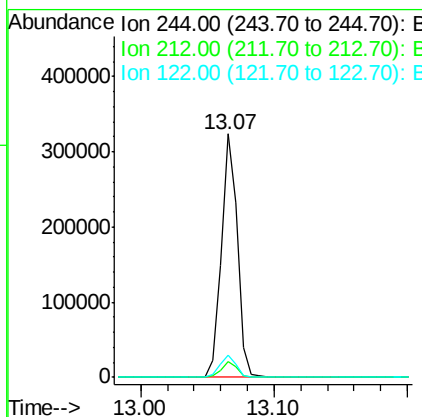
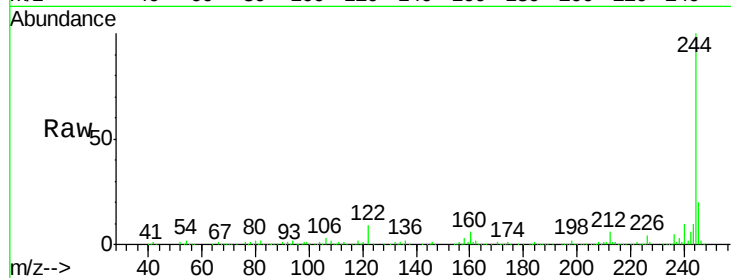




#78
 Terphenyl-d14
 Concen: 30.837 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF106936.D
 Acq: 28 Jun 2018 22:17

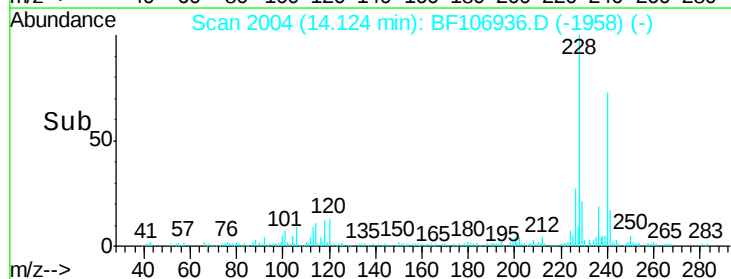
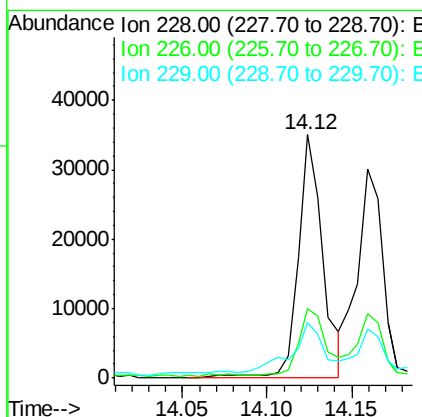
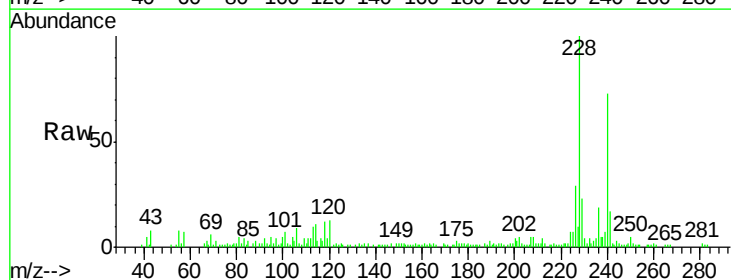
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-062618-G

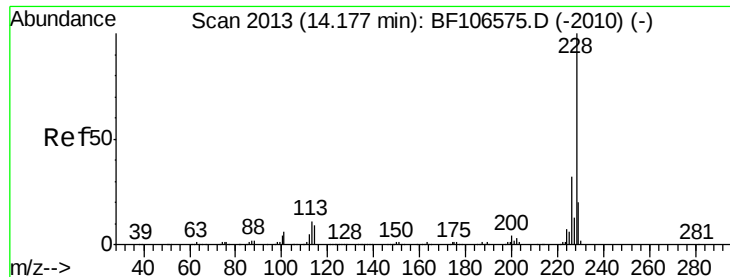
Tgt Ion:244 Resp: 274706
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 8.9 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 2.711 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. -0.03 min
 Lab File: BF106936.D
 Acq: 28 Jun 2018 22:17

Tgt Ion:228 Resp: 35648
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.6 33.8
 229 22.6 15.8 23.6





#82

Chrysene

Concen: 2.623 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.04 min

Lab File: BF106936.D

Acq: 28 Jun 2018 22:17

Instrument :

BNA_F

ClientSampleId :

JC-02-062618-G

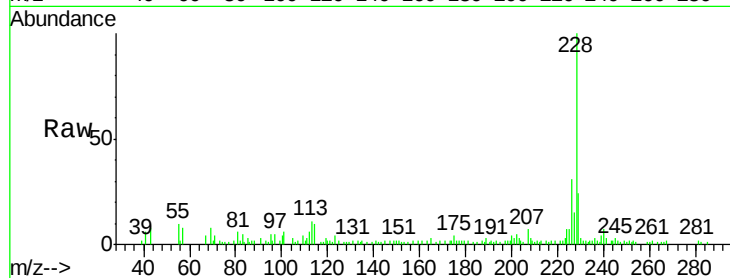
Tgt Ion:228 Resp: 31731

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

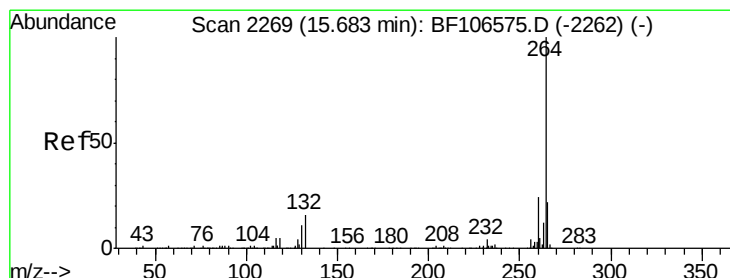
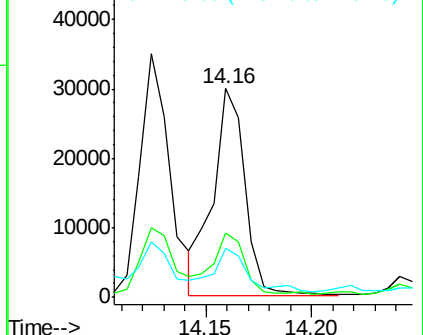
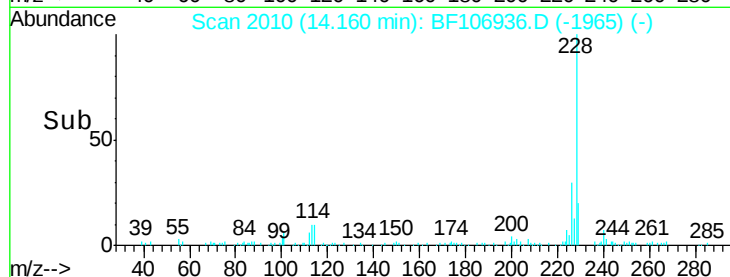
229 23.7 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2267

Delta R.T. -0.05 min

Lab File: BF106936.D

Acq: 28 Jun 2018 22:17

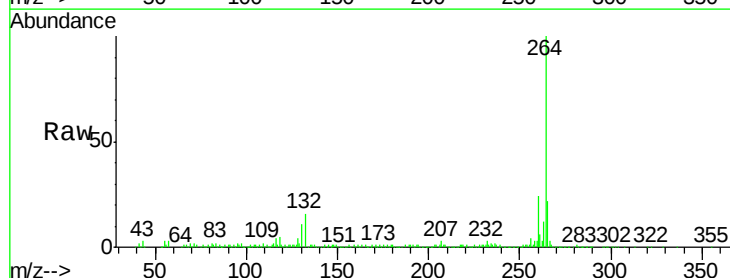
Tgt Ion:264 Resp: 191651

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

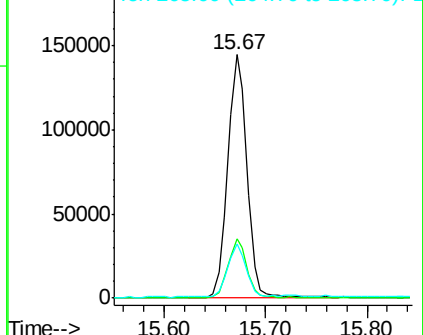
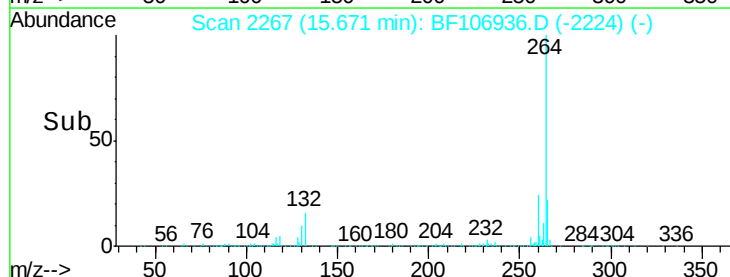
265 22.1 17.5 26.3

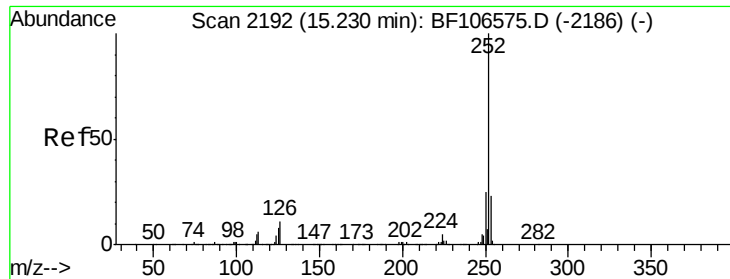


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

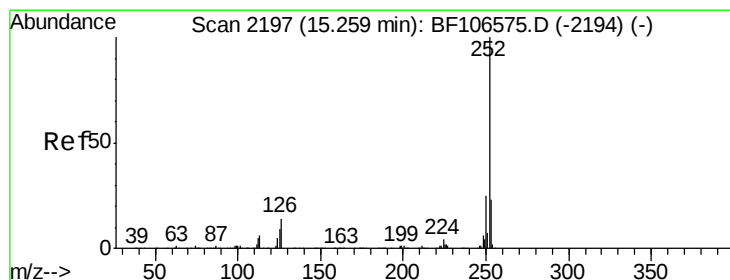
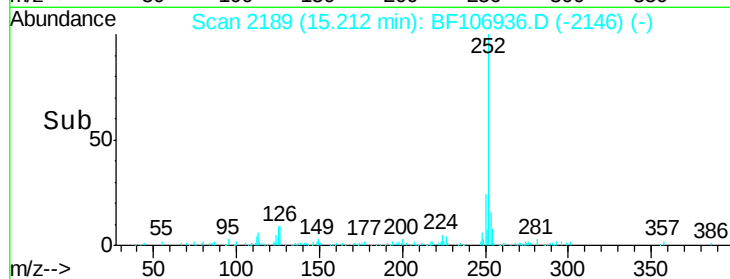
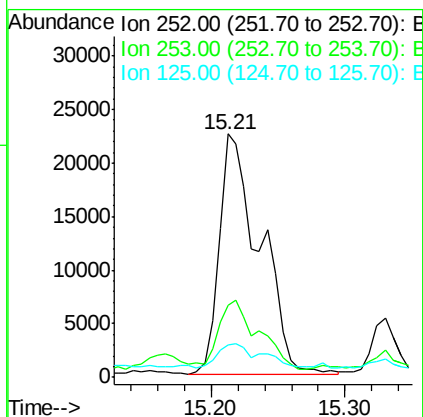
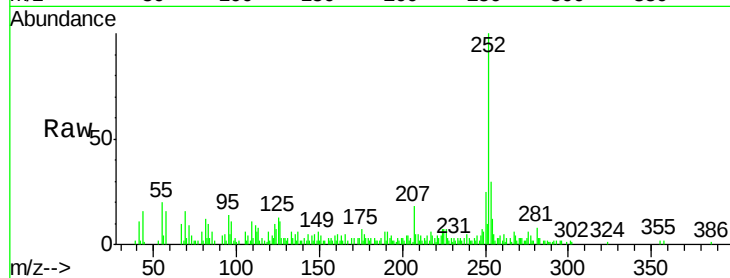




#87
Benzo(b)fluoranthene
Concen: 3.984 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.05 min
Lab File: BF106936.D
Acq: 28 Jun 2018 22:17

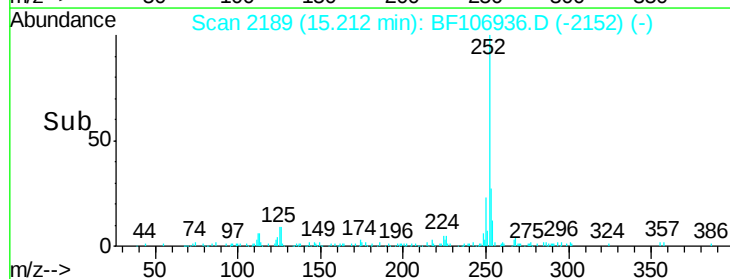
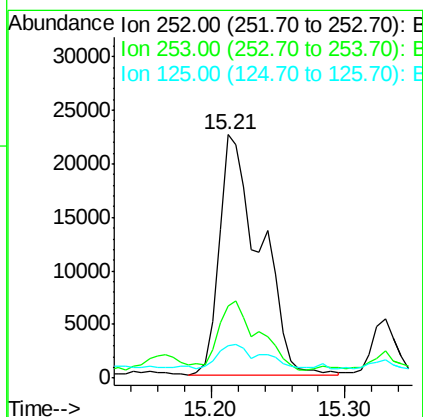
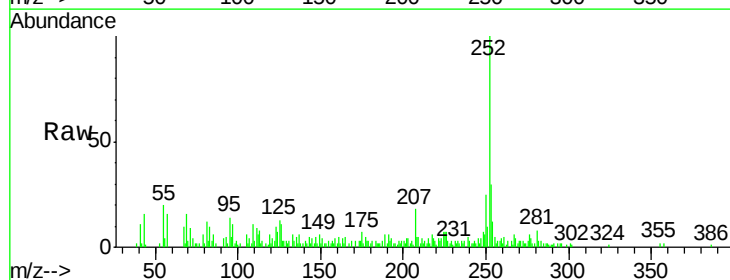
Instrument :
BNA_F
ClientSampleId :
JC-02-062618-G

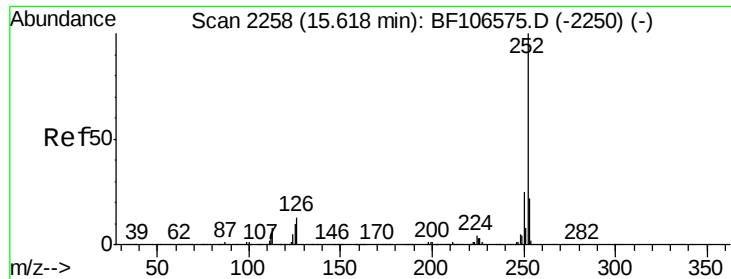
Tgt Ion:252 Resp: 47426
Ion Ratio Lower Upper
252 100
253 29.7 17.0 25.6#
125 13.3 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 4.183 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.08 min
Lab File: BF106936.D
Acq: 28 Jun 2018 22:17

Tgt Ion:252 Resp: 47426
Ion Ratio Lower Upper
252 100
253 29.7 17.9 26.9#
125 13.3 10.2 15.2





#89

Benzo(a)pyrene

Concen: 2.230 ng

RT: 15.60 min Scan# 2255

Delta R.T. -0.05 min

Lab File: BF106936.D

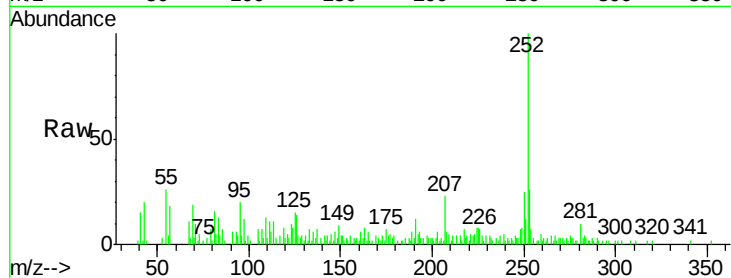
Acq: 28 Jun 2018 22:17

Instrument :

BNA_F

ClientSampleId :

JC-02-062618-G



Tgt Ion:	252	Resp:	23605
Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.1	25.7#
125	14.9	9.8	14.6#

