

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062718\
 Data File : BF106886.D
 Acq On : 27 Jun 2018 21:33
 Operator : JU/SJ
 Sample : J3242-13 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Jun 28 00:54:49 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	19858	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	73953	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	33192	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	58534	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	60253	20.00	ng	-0.02
86) Perylene-d12	15.68	264	42471	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	108559	92.57	ng	-0.01
7) Phenol-d6	6.59	99	136105	92.94	ng	-0.02
23) Nitrobenzene-d5	7.51	82	80079	60.18	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	34433	89.51	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	165909	84.52	ng	-0.02
78) Terphenyl-d14	13.07	244	177521	71.37	ng	-0.01

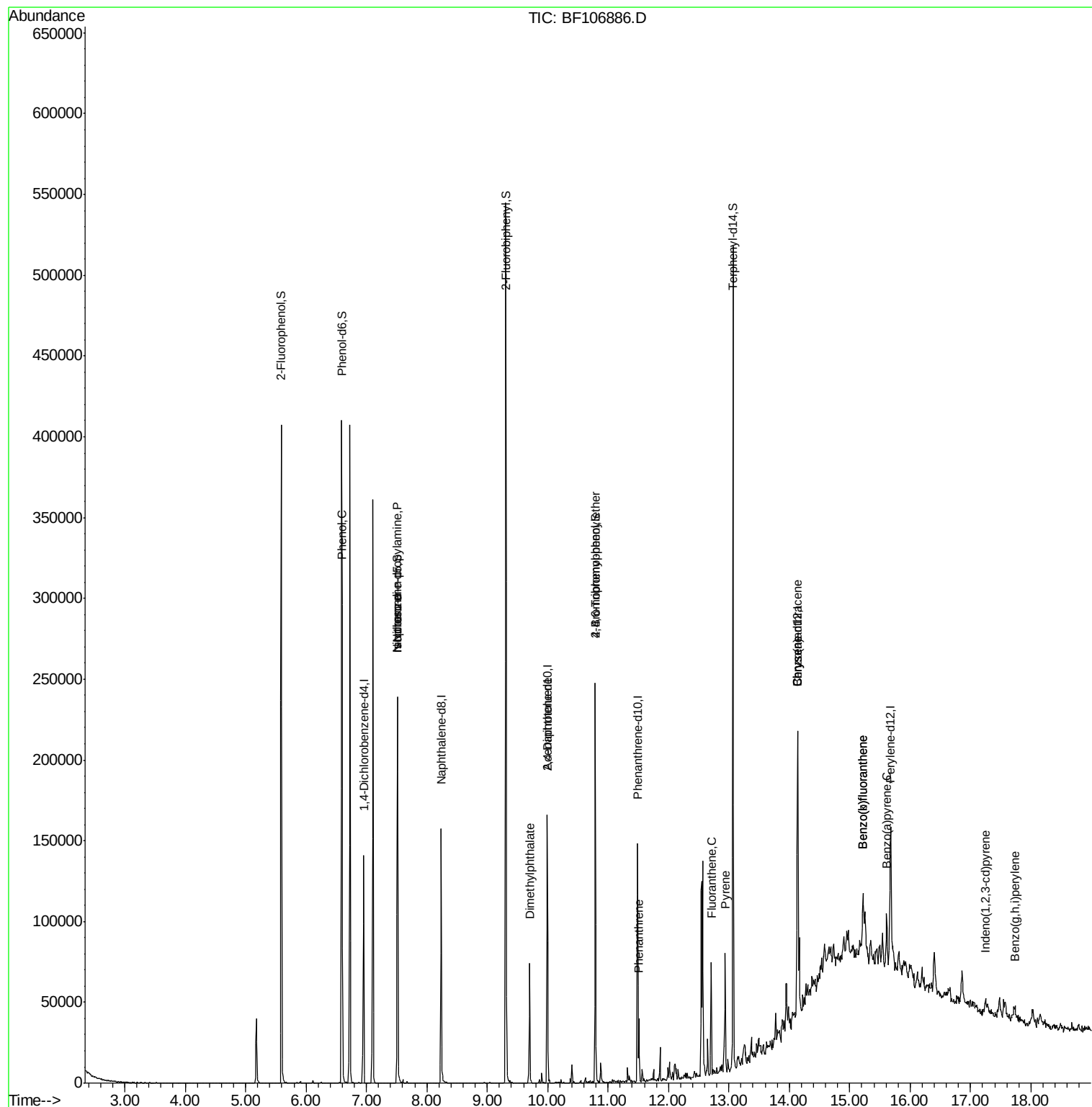
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	3376	2.020	ng	# 69
19) n-Nitroso-di-n-propylamine	7.51	70	10208	10.574	ng	# 74
25) Isophorone	7.51	82	80078	34.149	ng	# 64
49) Dimethylphthalate	9.70	163	29875	12.001	ng	# 98
56) 2,4-Dinitrotoluene	10.00	165	4124	5.994	ng	# 21
66) 4-Bromophenyl-phenylether	10.79	248	2130	3.049	ng	# 1
70) Phenanthrene	11.51	178	14762	5.229	ng	# 97
74) Fluoranthene	12.71	202	29790	9.573	ng	# 93
77) Pyrene	12.94	202	28991	7.297	ng	# 97
80) Benzo(a)anthracene	14.13	228	19311	5.259	ng	# 96
82) Chrysene	14.13	228	19311	5.716	ng	# 96
85) Indeno(1,2,3-cd)pyrene	17.25	276	6288	2.193	ng	# 84
87) Benzo(b)fluoranthene	15.22	252	23577	8.937	ng	# 78
88) Benzo(k)fluoranthene	15.22	252	23577	9.384	ng	# 81
89) Benzo(a)pyrene	15.61	252	12055	5.140	ng	# 92
91) Benzo(g,h,i)perylene	17.73	276	6133	3.157	ng	# 84

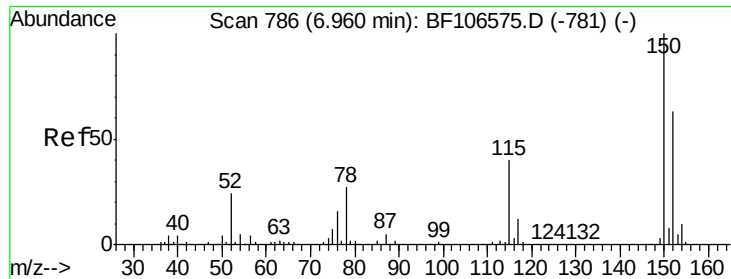
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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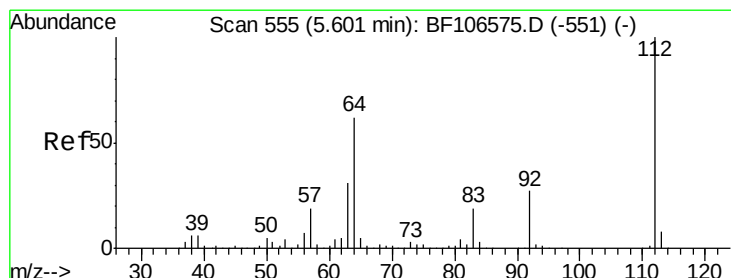
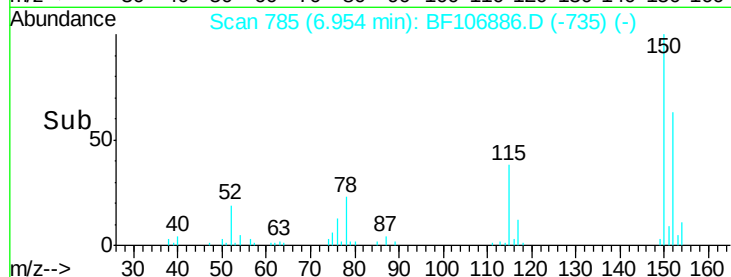
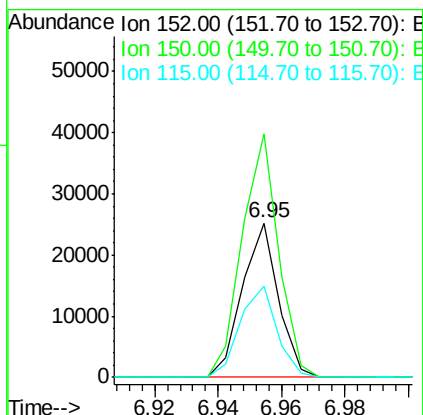
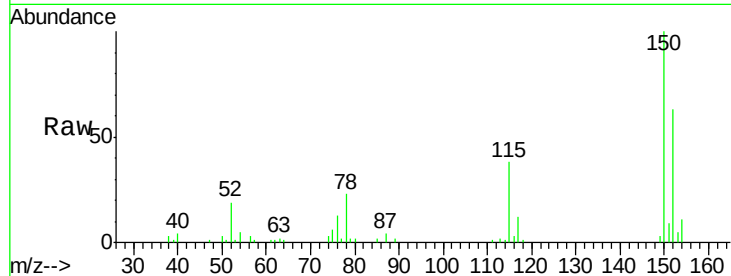


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF106886.D
Acq: 27 Jun 2018 21:33

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

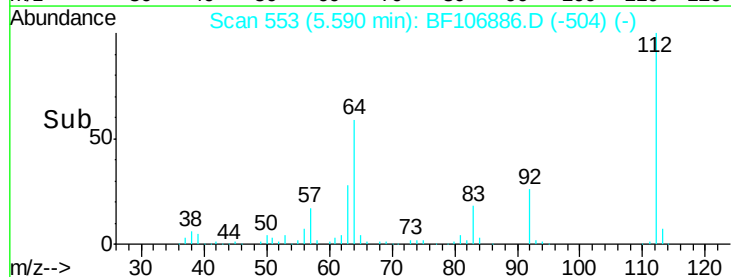
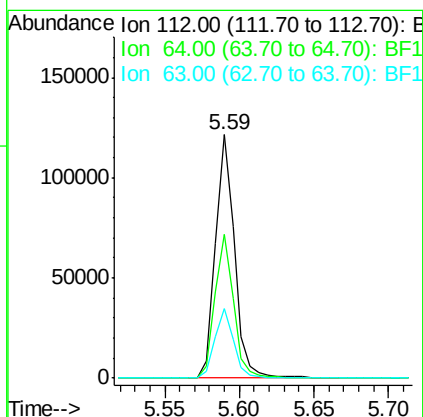
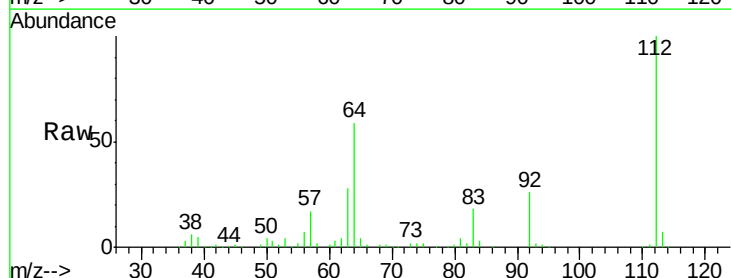
Tgt Ion:152 Resp: 19858
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 59.3 50.1 75.1

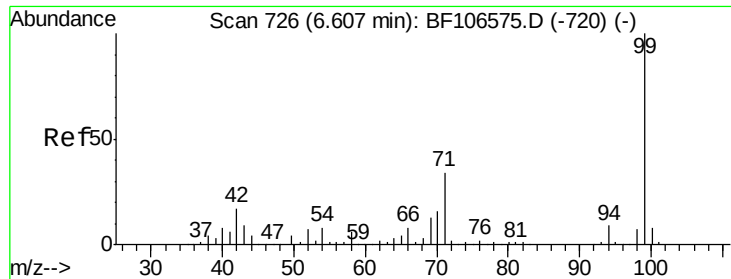


#5

2-Fluorophenol
Concen: 92.570 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF106886.D
Acq: 27 Jun 2018 21:33

Tgt Ion:112 Resp: 108559
Ion Ratio Lower Upper
112 100
64 59.2 47.9 71.9
63 28.3 23.7 35.5





#7

Phenol-d6

Concen: 92.936 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF106886.D

Acq: 27 Jun 2018 21:33

Instrument :

BNA_F

ClientSampleId :

JC-02-062618-G

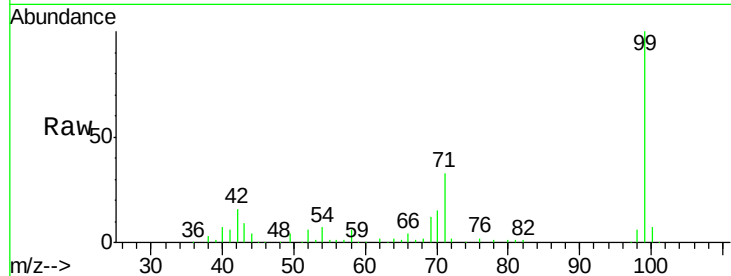
Tgt Ion: 99 Resp: 136105

Ion Ratio Lower Upper

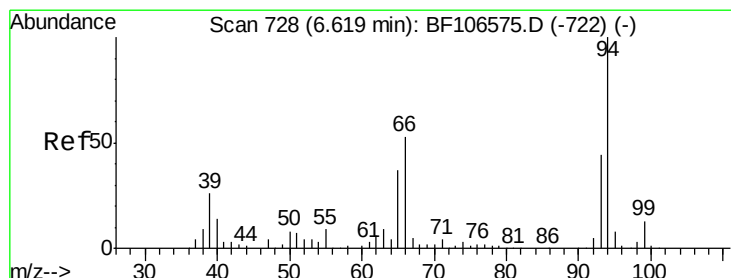
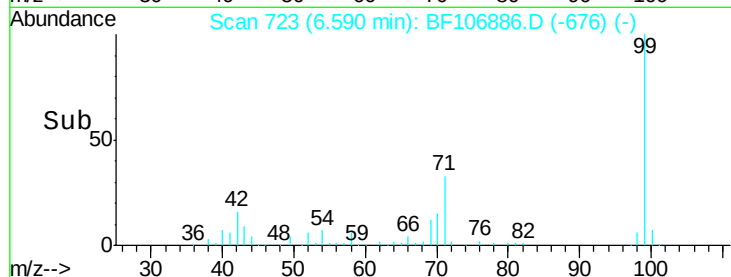
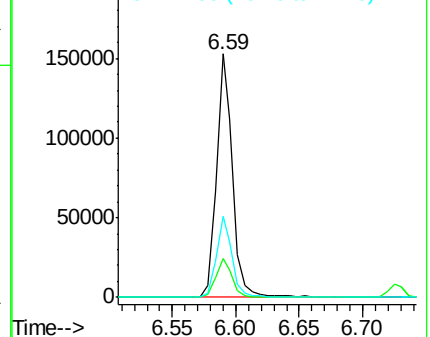
99 100

42 16.2 14.5 21.7

71 33.1 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



#10

Phenol

Concen: 2.020 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF106886.D

Acq: 27 Jun 2018 21:33

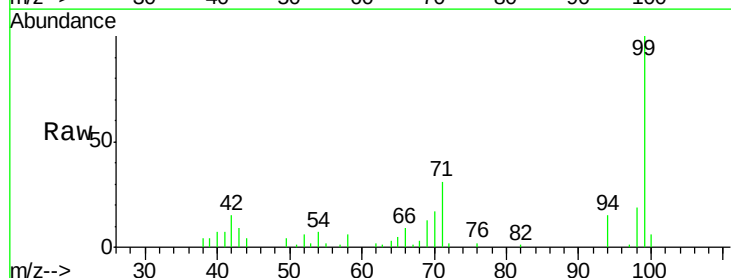
Tgt Ion: 94 Resp: 3376

Ion Ratio Lower Upper

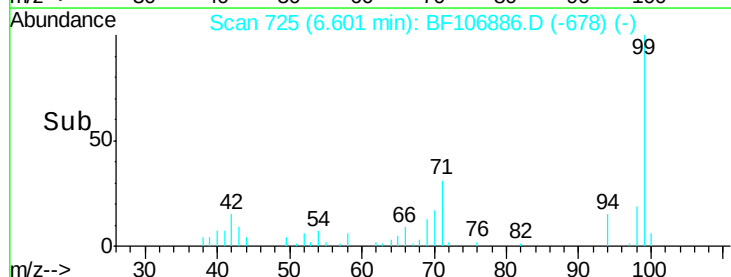
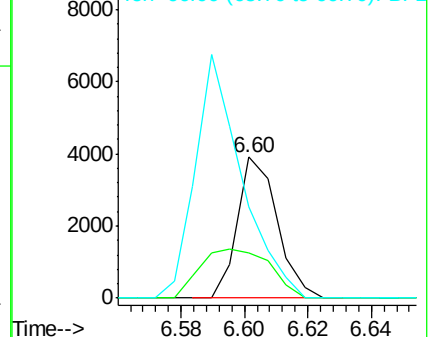
94 100

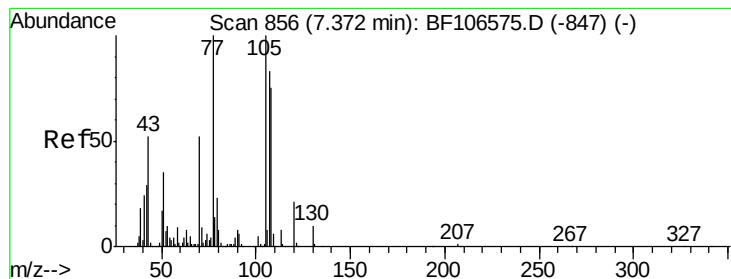
65 32.5 7.9 47.9

66 65.0 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 10.574 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF106886.D

Acq: 27 Jun 2018 21:33

Instrument :

BNA_F

ClientSampleId :

JC-02-062618-G

Tgt Ion: 70 Resp: 10208

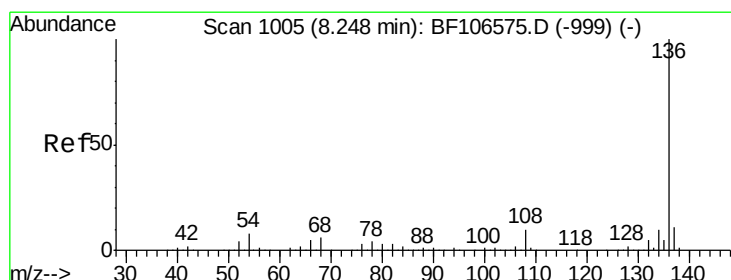
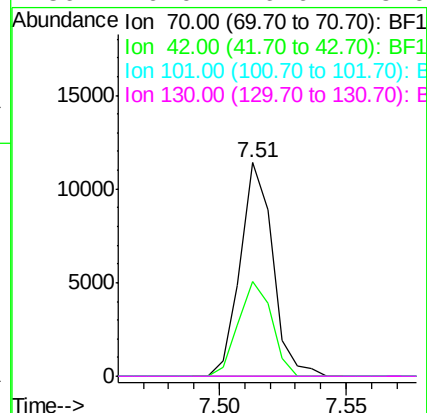
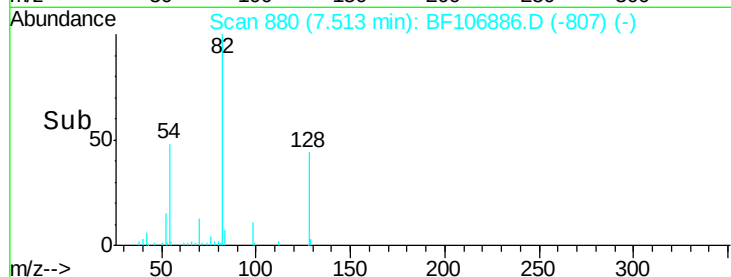
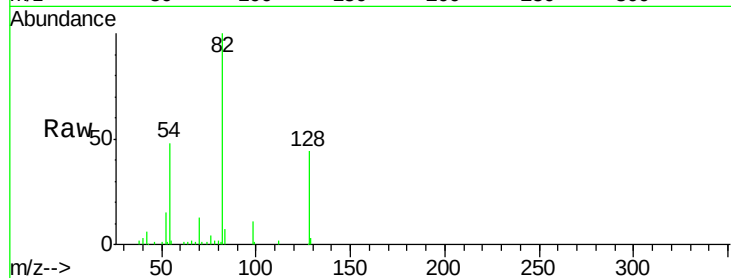
Ion Ratio Lower Upper

70 100

42 44.5 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: BF106886.D

Acq: 27 Jun 2018 21:33

Tgt Ion: 136 Resp: 73953

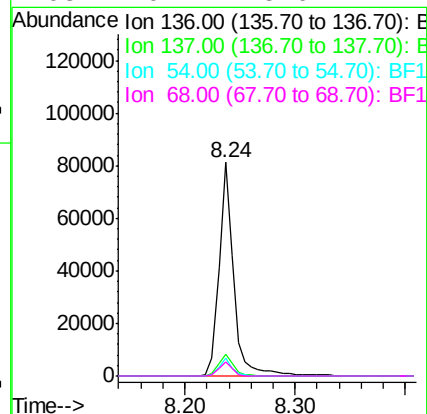
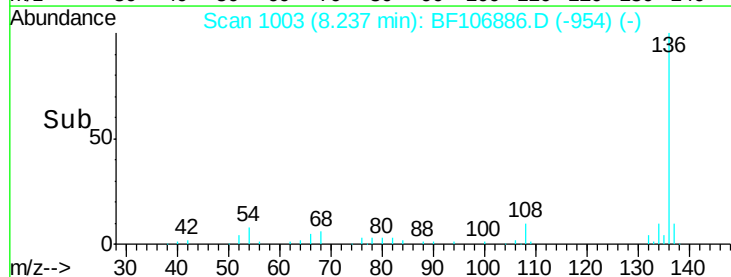
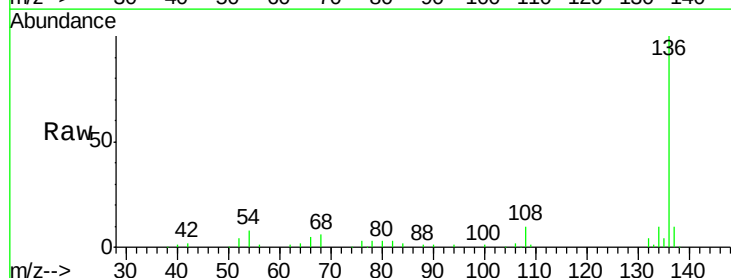
Ion Ratio Lower Upper

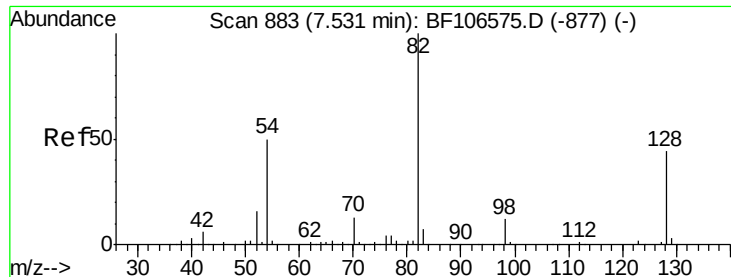
136 100

137 10.5 8.9 13.3

54 8.1 6.6 9.8

68 6.4 5.0 7.4

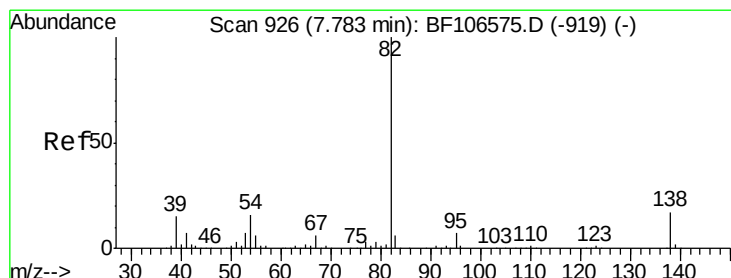
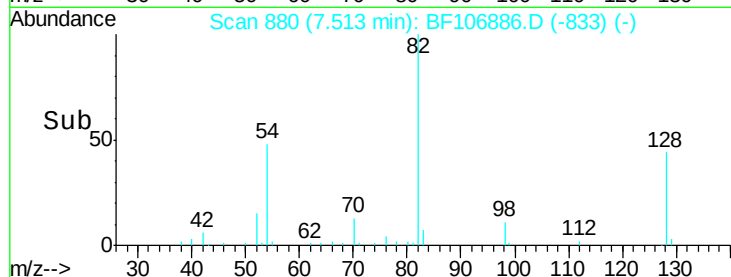
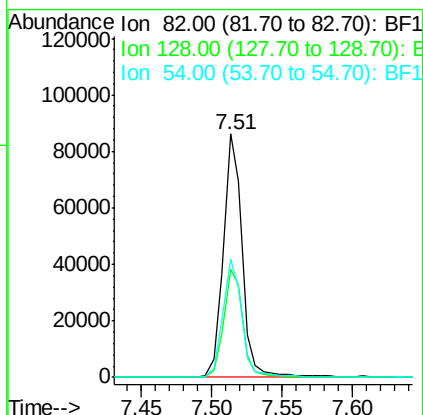
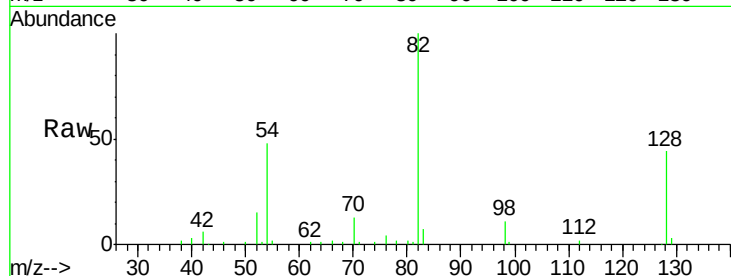




#23
 Nitrobenzene-d5
 Concen: 60.177 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF106886.D
 Acq: 27 Jun 2018 21:33

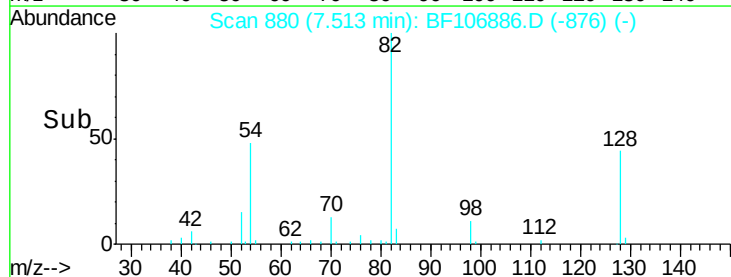
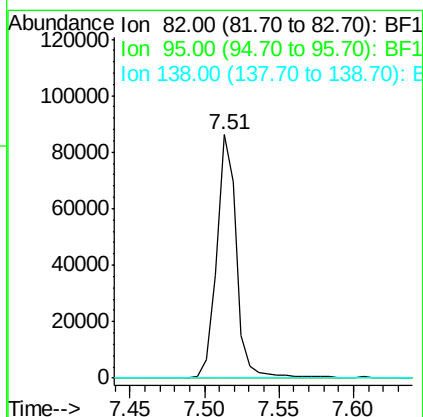
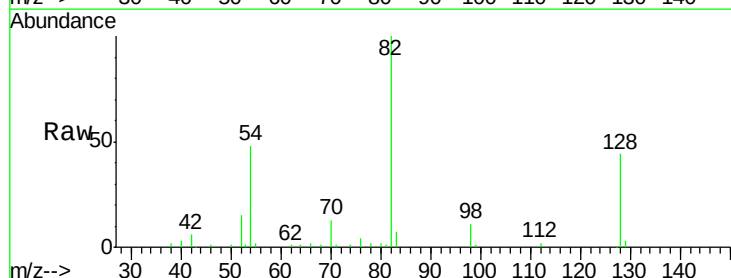
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-062618-G

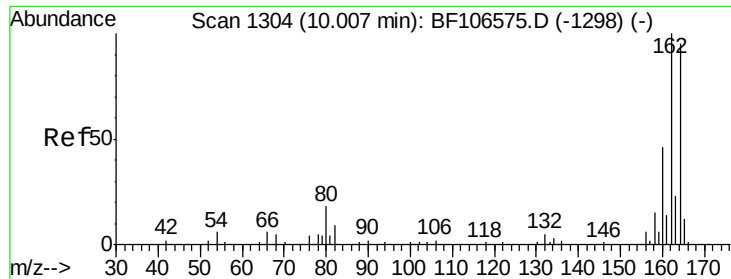
Tgt Ion: 82 Resp: 80079
 Ion Ratio Lower Upper
 82 100
 128 44.2 36.1 54.1
 54 48.4 41.4 62.2



#25
 Isophorone
 Concen: 34.149 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.28 min
 Lab File: BF106886.D
 Acq: 27 Jun 2018 21:33

Tgt Ion: 82 Resp: 80078
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

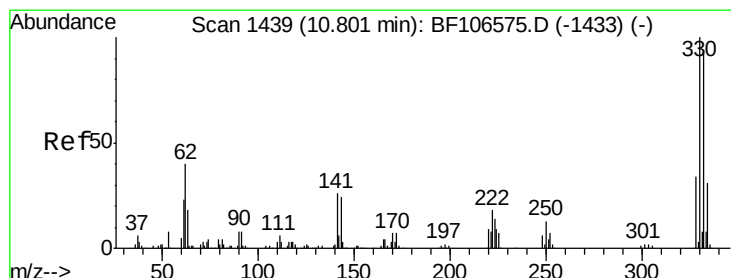
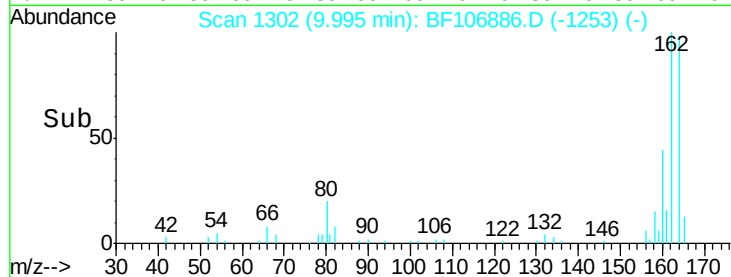
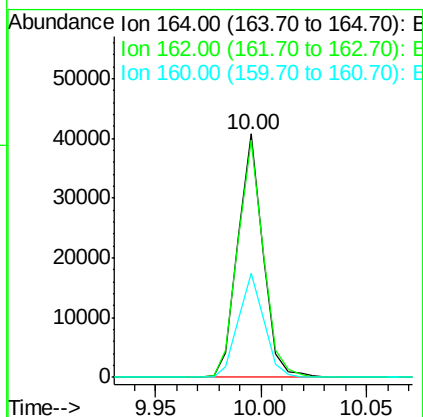
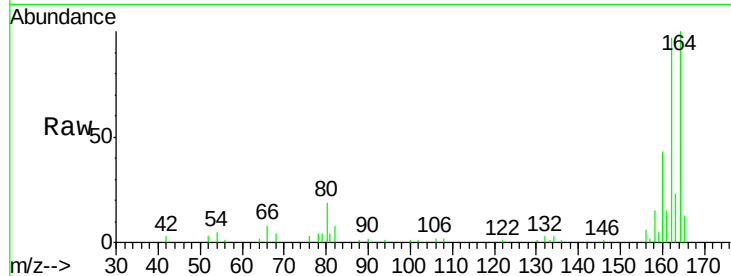




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF106886.D
 Acq: 27 Jun 2018 21:33

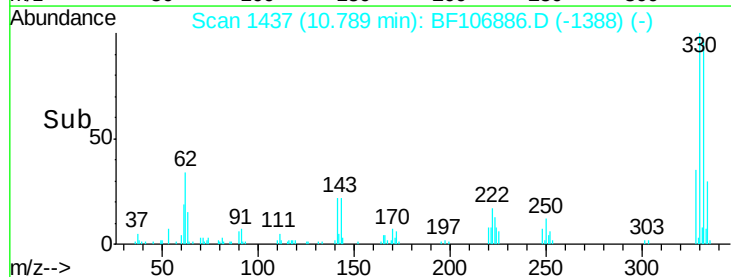
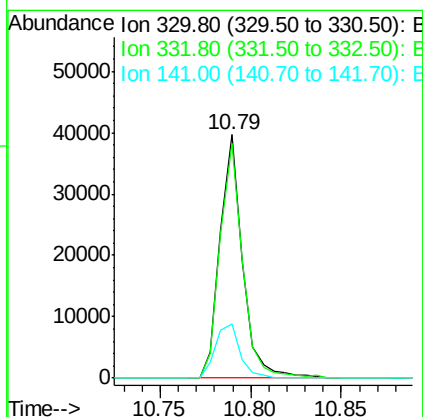
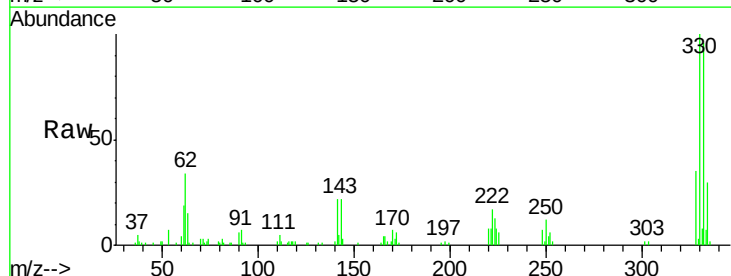
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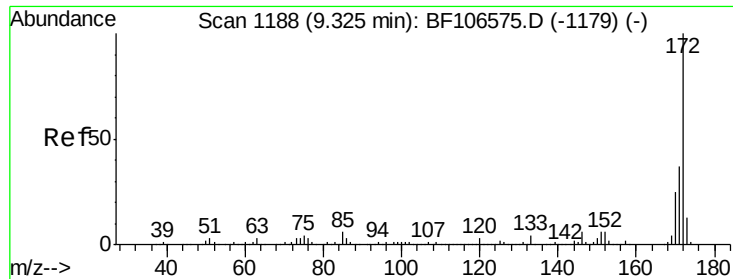
Tgt Ion:164 Resp: 33192
 Ion Ratio Lower Upper
 164 100
 162 97.4 86.1 129.1
 160 42.9 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 89.505 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF106886.D
 Acq: 27 Jun 2018 21:33

Tgt Ion:330 Resp: 34433
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 24.1 29.9 44.9#

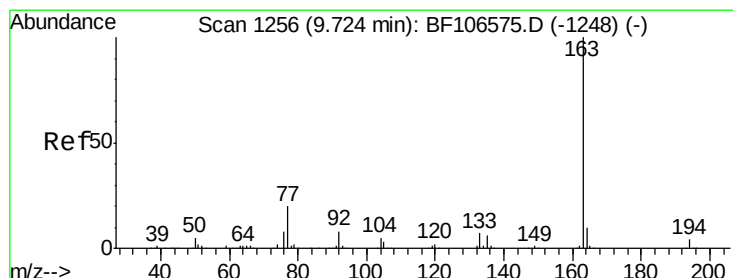
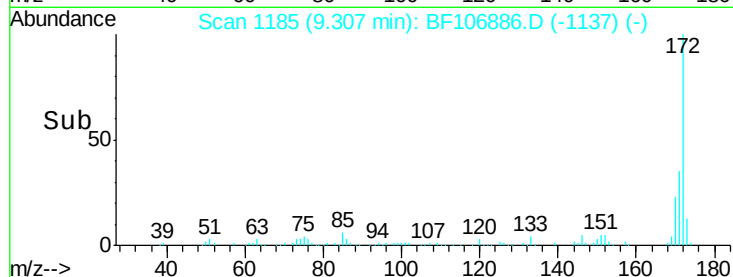
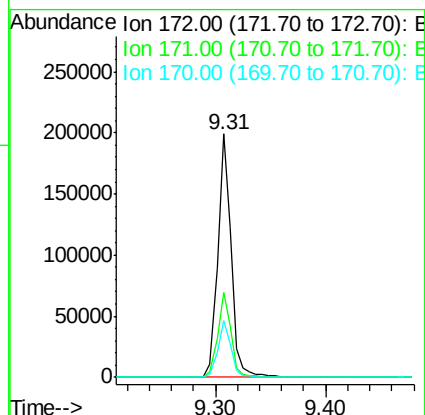
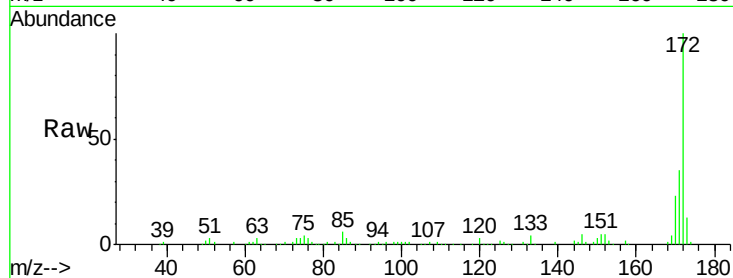




#44
2-Fluorobiphenyl
Concen: 84.522 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF106886.D
Acq: 27 Jun 2018 21:33

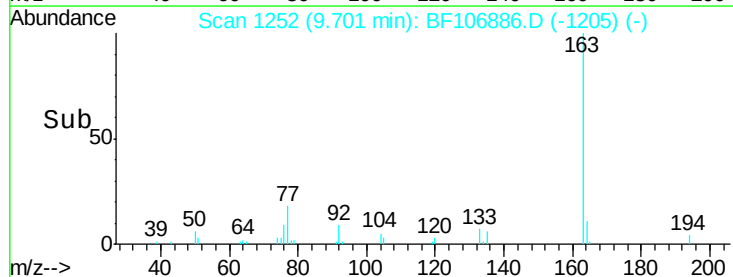
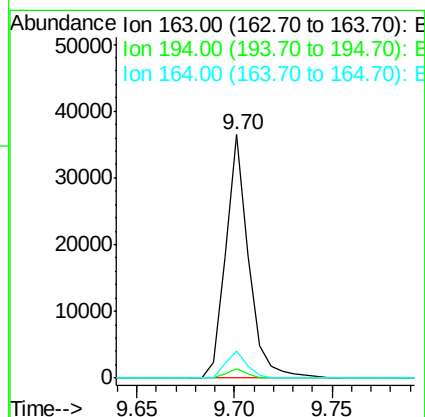
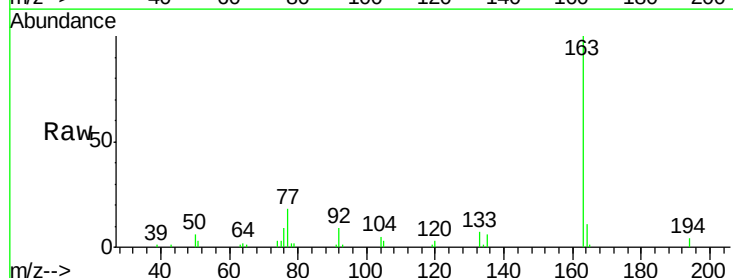
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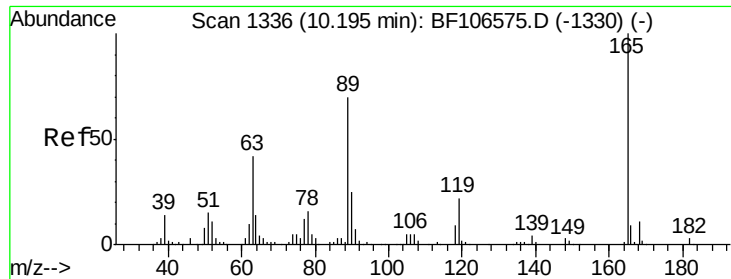
Tgt Ion:172 Resp: 165909
Ion Ratio Lower Upper
172 100
171 35.1 29.7 44.5
170 23.2 19.6 29.4



#49
Dimethylphthalate
Concen: 12.001 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF106886.D
Acq: 27 Jun 2018 21:33

Tgt Ion:163 Resp: 29875
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 11.0 8.2 12.2

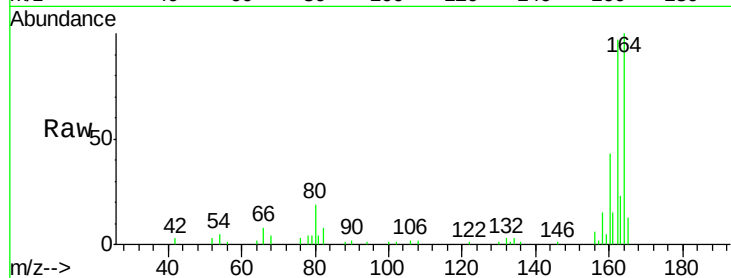




#56
2,4-Dinitrotoluene
Concen: 5.994 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.21 min
Lab File: BF106886.D
Acq: 27 Jun 2018 21:33

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#

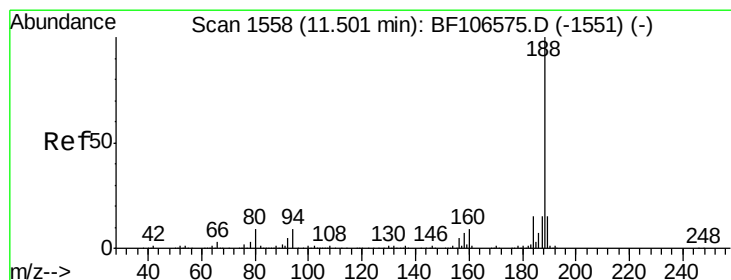
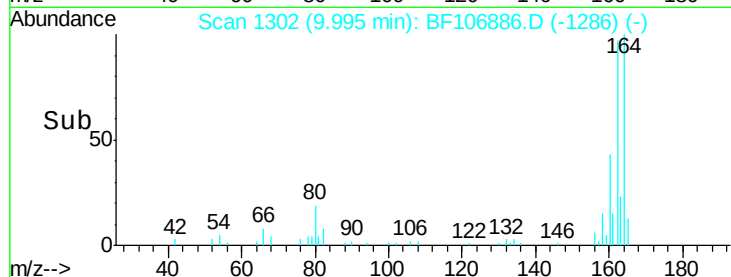
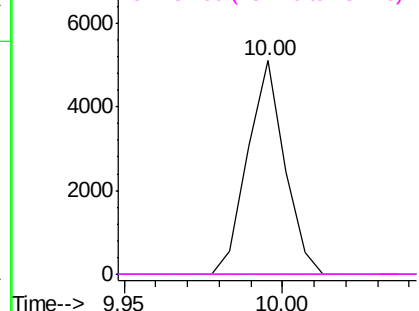


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

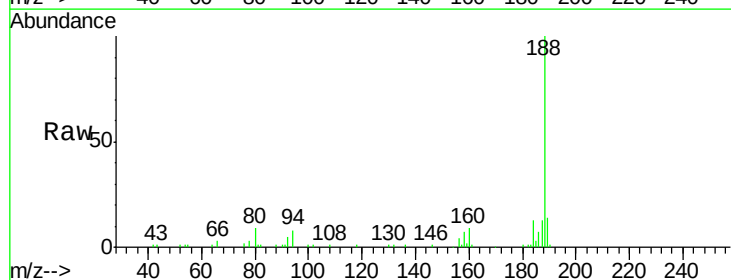
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF106886.D
Acq: 27 Jun 2018 21:33

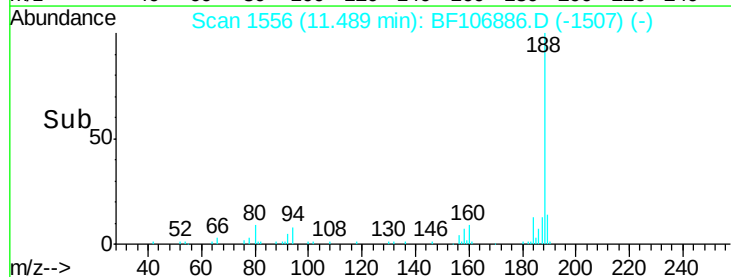
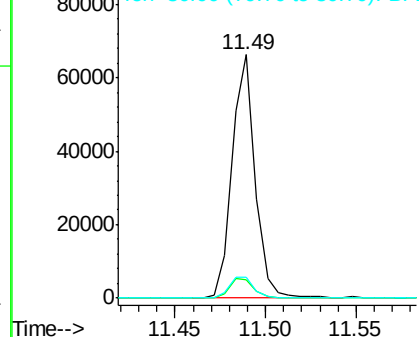
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	8.5	12.7#
80	8.7	9.2	13.8#

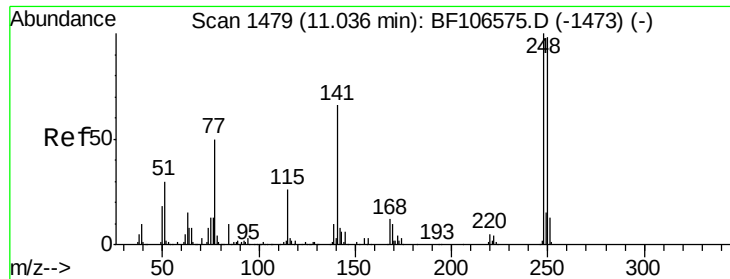


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

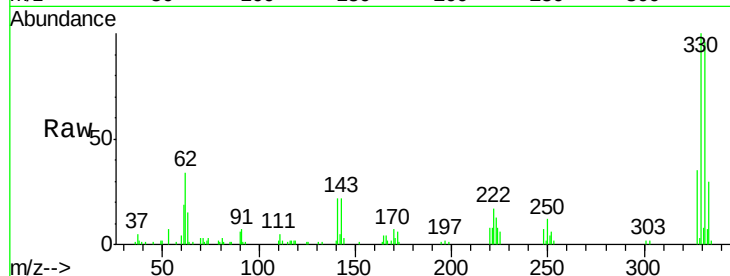




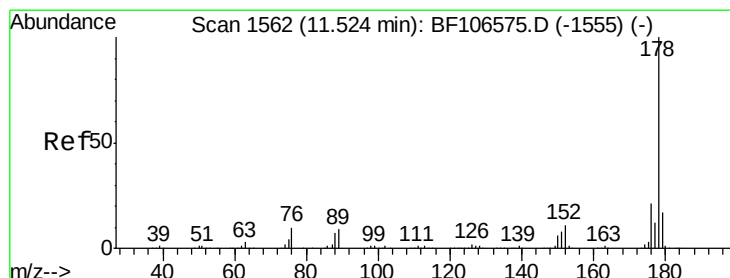
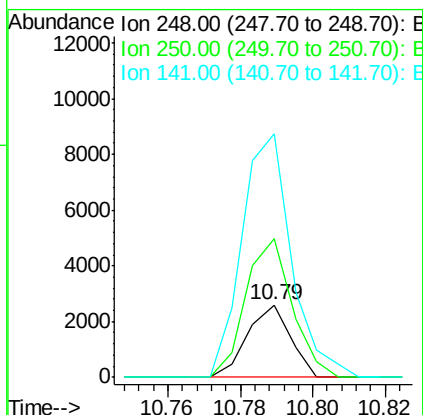
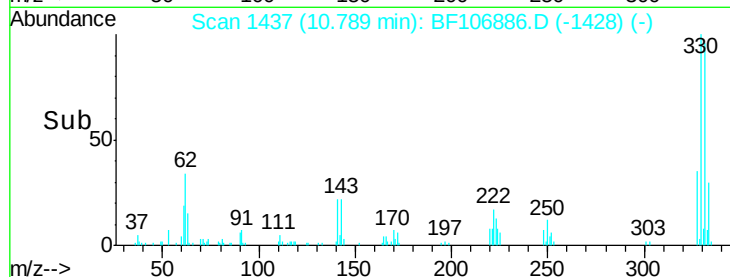
#66
 4-Bromophenyl-phenylether
 Concen: 3.049 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.25 min
 Lab File: BF106886.D
 Acq: 27 Jun 2018 21:33

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

Tgt Ion: 248 Resp: 2130
 Ion Ratio Lower Upper
 248 100
 250 190.5 76.9 115.3#
 141 335.8 74.4 111.6#

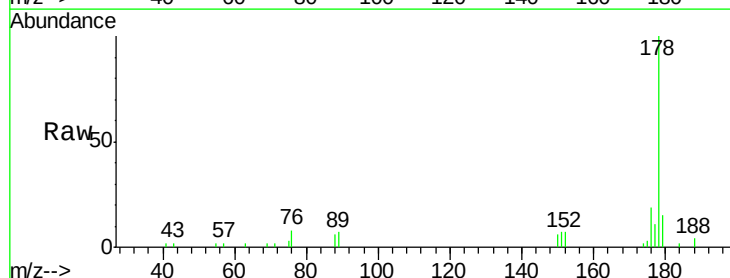


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

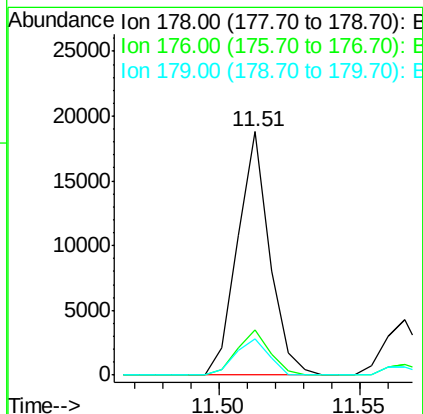
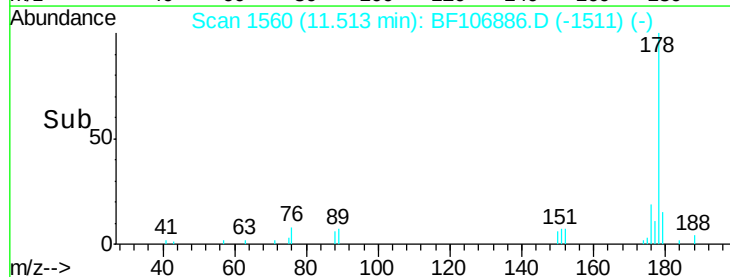


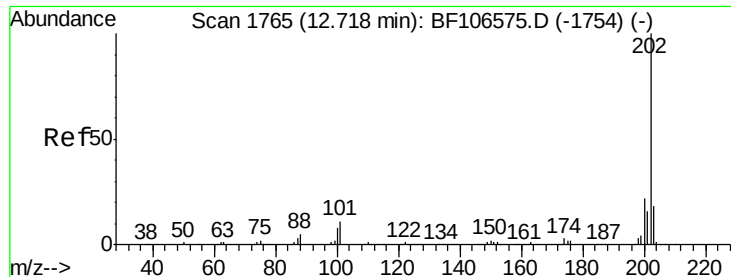
#70
 Phenanthrene
 Concen: 5.229 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF106886.D
 Acq: 27 Jun 2018 21:33

Tgt Ion: 178 Resp: 14762
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 14.7 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: 9.573 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF106886.D

Acq: 27 Jun 2018 21:33

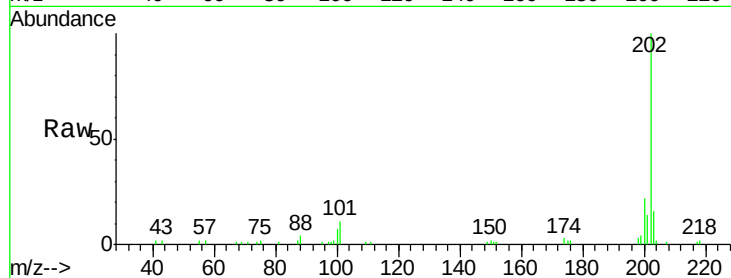
Instrument :

BNA_F

ClientSampleId :

JC-02-062618-G

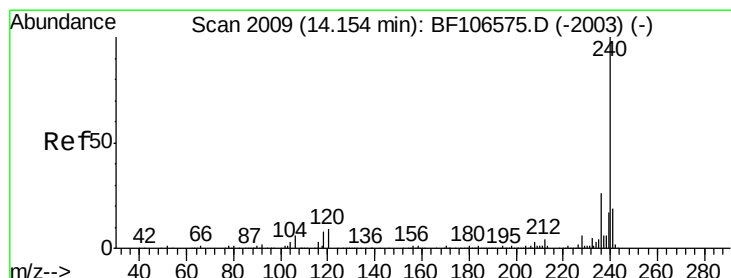
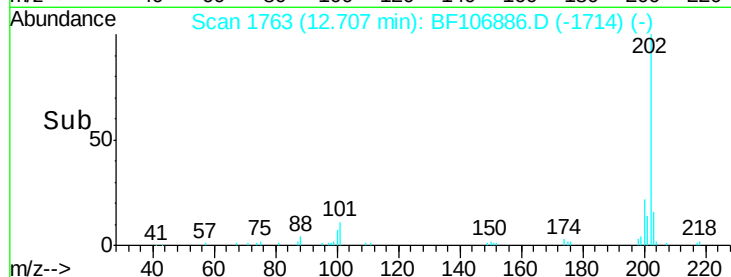
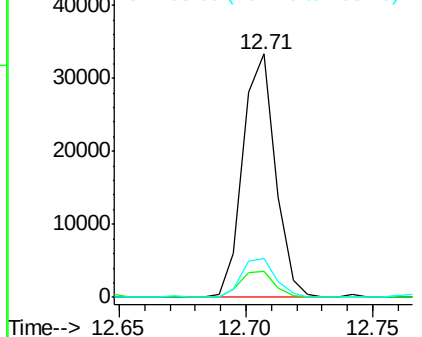
Tgt Ion:	202	Resp:	29790
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.1
203	15.8	0.0	38.1



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

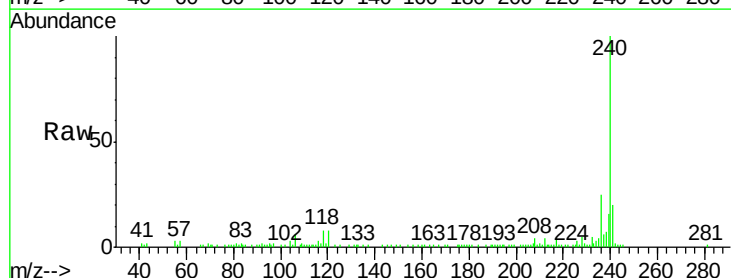
RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF106886.D

Acq: 27 Jun 2018 21:33

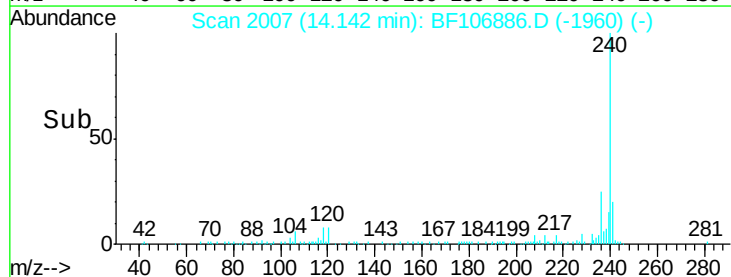
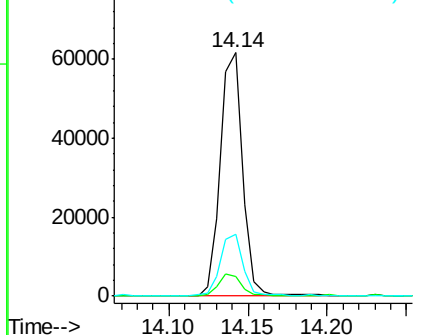
Tgt Ion:	240	Resp:	60253
Ion	Ratio	Lower	Upper
240	100		
120	8.1	9.5	14.3#
236	25.2	20.7	31.1

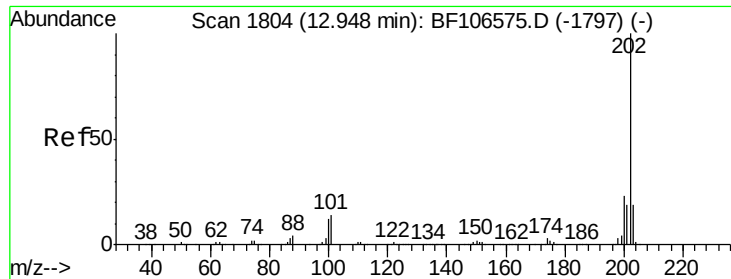


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

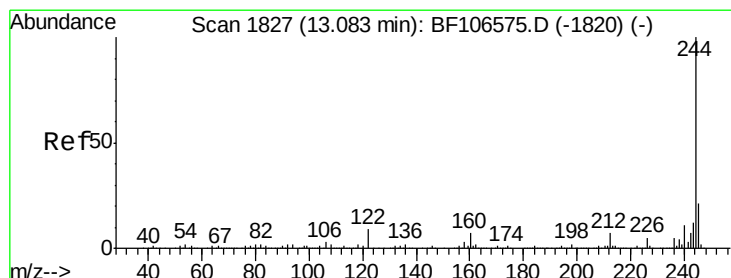
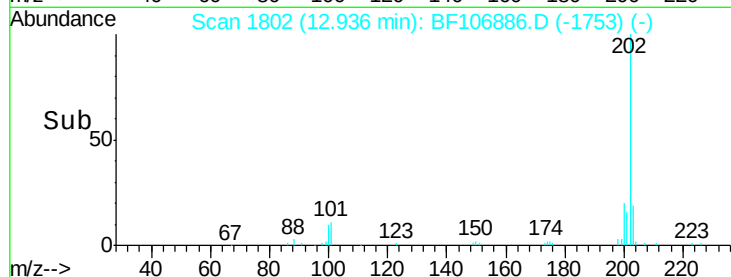
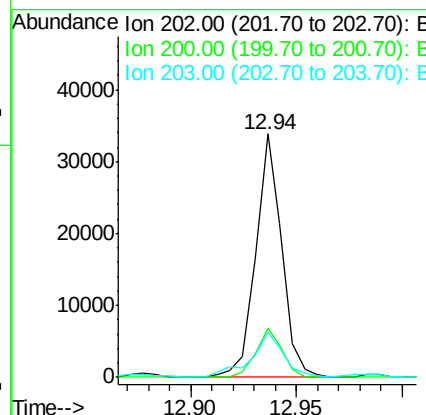
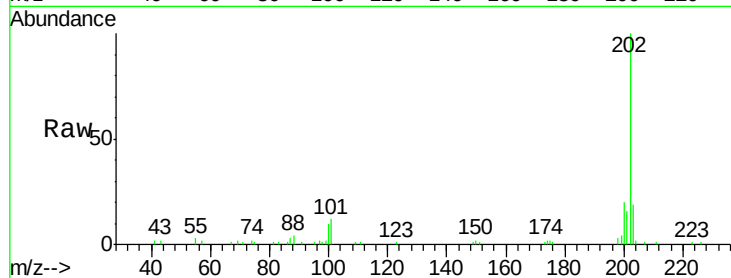




#77
 Pyrene
 Concen: 7.297 ng
 RT: 12.94 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: BF106886.D
 Acq: 27 Jun 2018 21:33

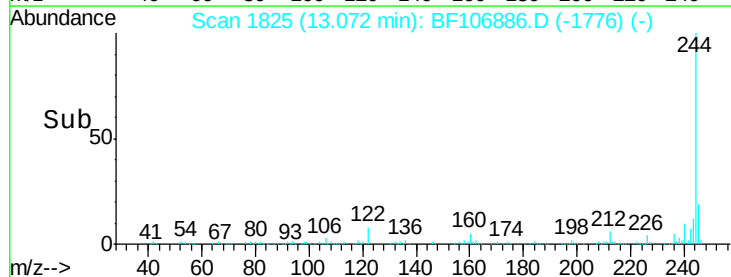
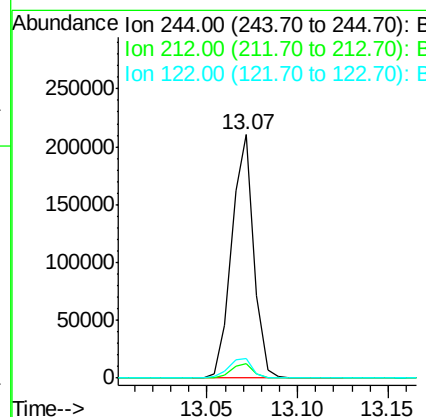
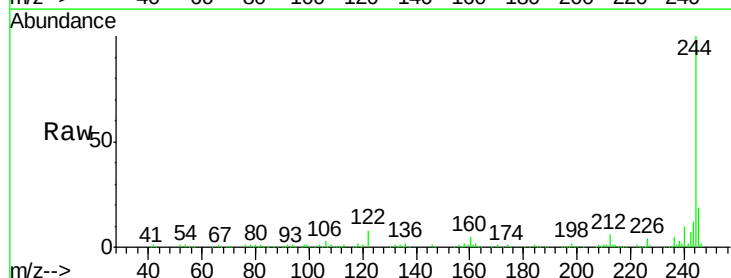
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-062618-G

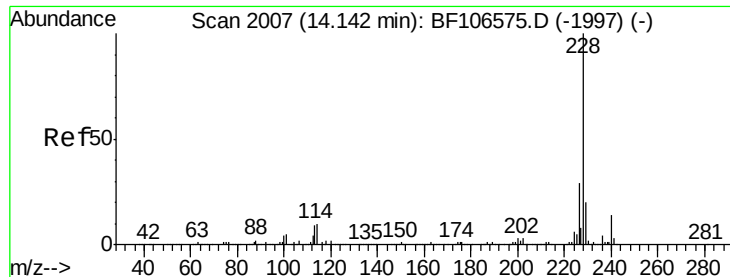
Tgt Ion: 202 Resp: 28991
 Ion Ratio Lower Upper
 202 100
 200 20.0 17.4 26.2
 203 18.7 14.3 21.5



#78
 Terphenyl-d14
 Concen: 71.367 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF106886.D
 Acq: 27 Jun 2018 21:33

Tgt Ion: 244 Resp: 177521
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.4 8.0
 122 8.2 11.0 16.4#





#80

Benzo(a)anthracene

Concen: 5.259 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF106886.D

Acq: 27 Jun 2018 21:33

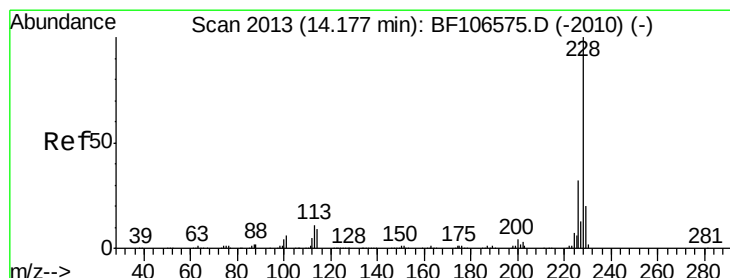
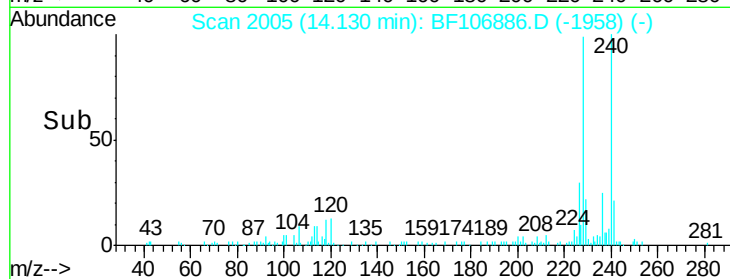
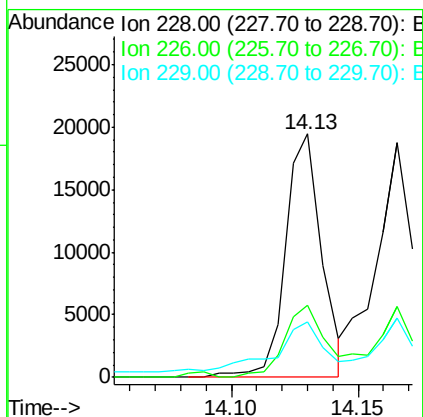
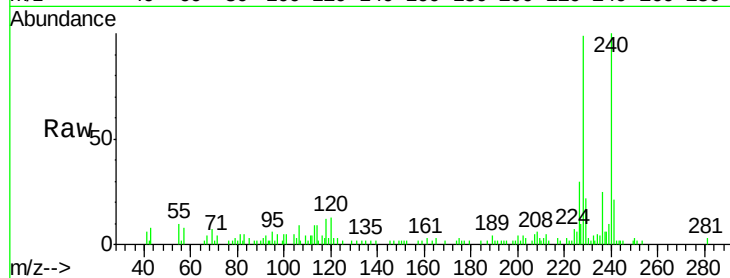
Instrument :

BNA_F

ClientSampleId :

JC-02-062618-G

Tgt Ion:	228	Resp:	19311
Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	22.6	15.8	23.6



#82

Chrysene

Concen: 5.716 ng

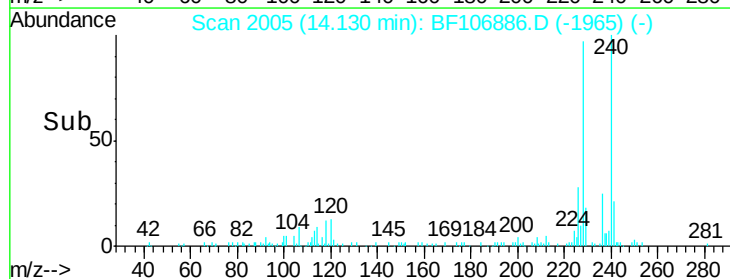
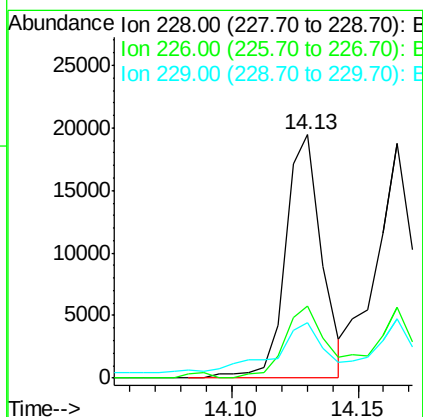
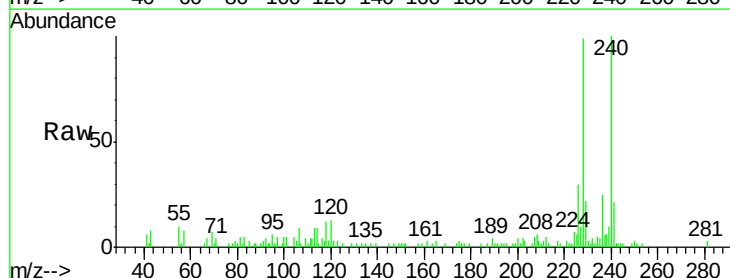
RT: 14.13 min Scan# 2005

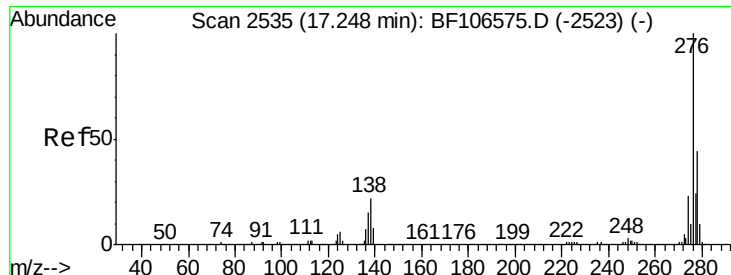
Delta R.T. -0.06 min

Lab File: BF106886.D

Acq: 27 Jun 2018 21:33

Tgt Ion:	228	Resp:	19311
Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	22.6	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.193 ng

RT: 17.25 min Scan# 2535

Delta R.T. -0.06 min

Lab File: BF106886.D

Acq: 27 Jun 2018 21:33

Instrument :

BNA_F

ClientSampleId :

JC-02-062618-G

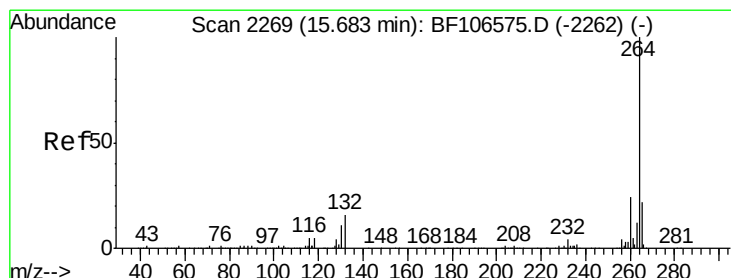
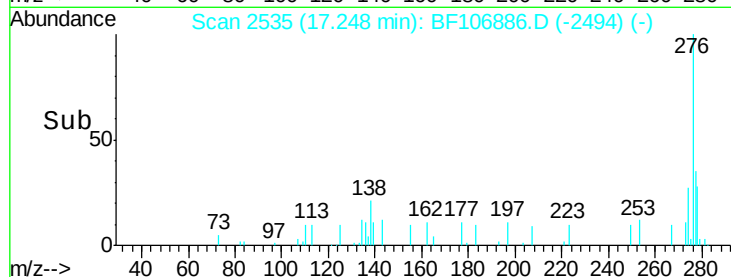
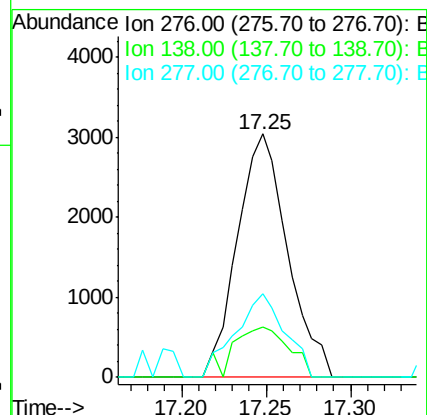
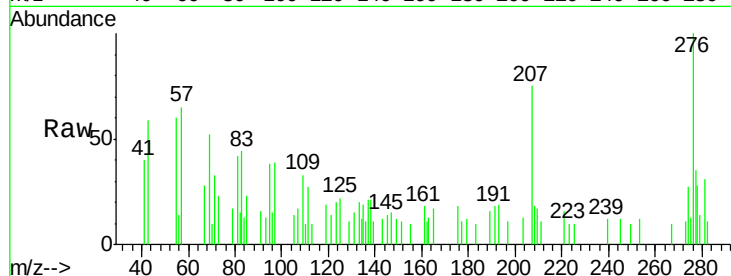
Tgt Ion: 276 Resp: 6288

Ion Ratio Lower Upper

276 100

138 23.1 25.0 37.6#

277 34.0 20.1 30.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.04 min

Lab File: BF106886.D

Acq: 27 Jun 2018 21:33

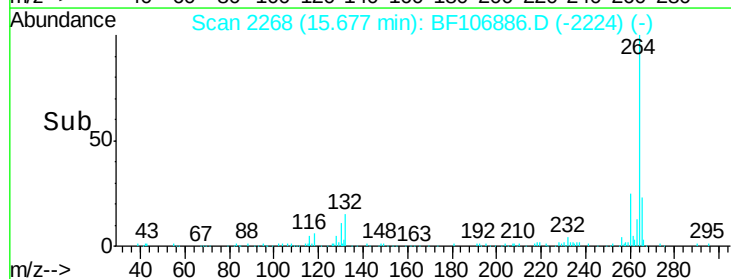
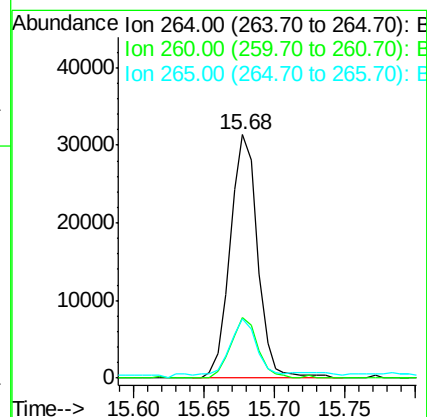
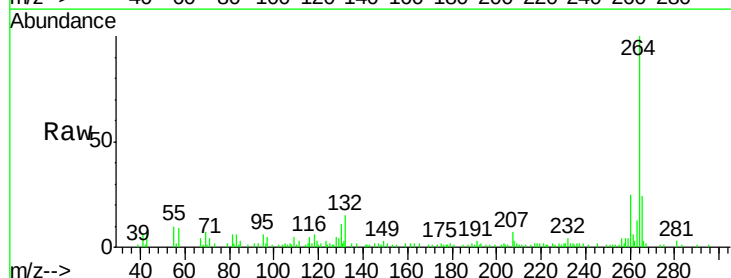
Tgt Ion: 264 Resp: 42471

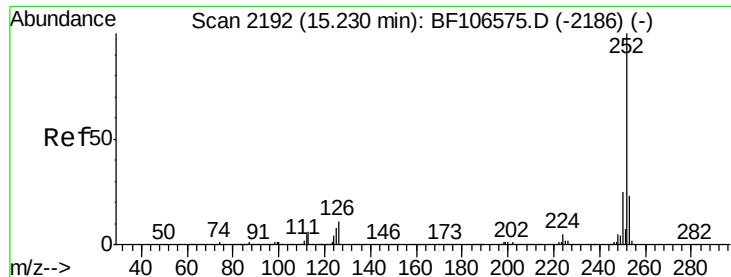
Ion Ratio Lower Upper

264 100

260 25.1 19.2 28.8

265 24.4 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 8.937 ng

RT: 15.22 min Scan# 2190

Delta R.T. -0.04 min

Lab File: BF106886.D

Acq: 27 Jun 2018 21:33

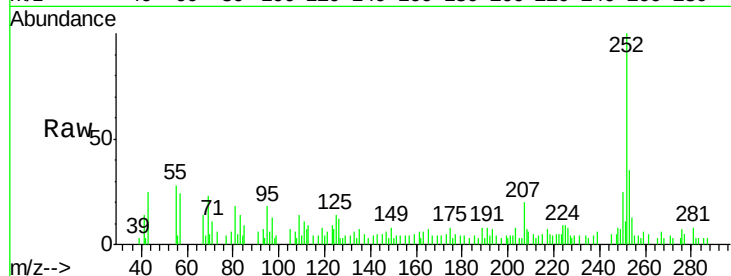
Instrument :

BNA_F

ClientSampleId :

JC-02-062618-G

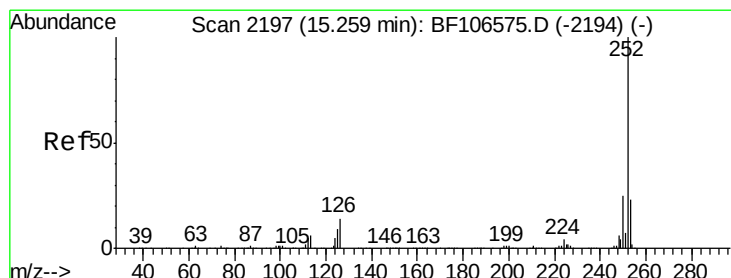
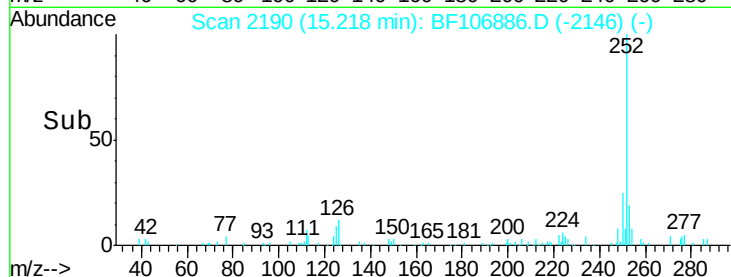
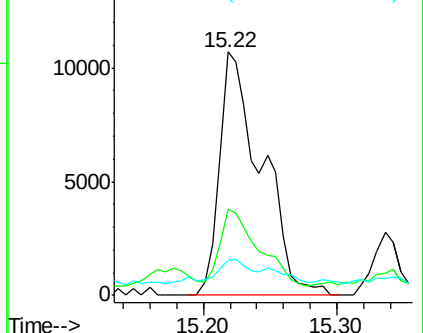
Tgt Ion:	252	Resp:	23577
Ion Ratio	Lower	Upper	
252	100		
253	35.4	17.0	25.6#
125	14.2	9.0	13.6#



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: 9.384 ng

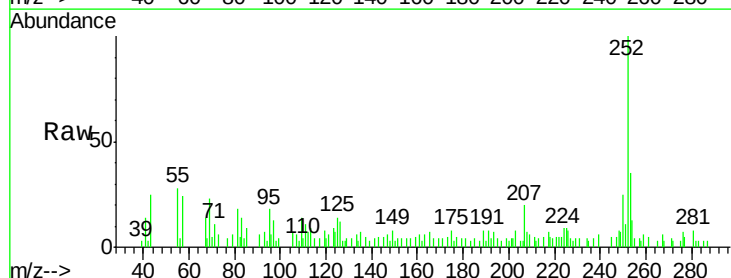
RT: 15.22 min Scan# 2190

Delta R.T. -0.08 min

Lab File: BF106886.D

Acq: 27 Jun 2018 21:33

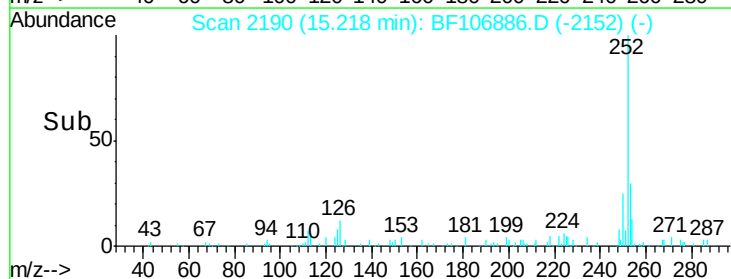
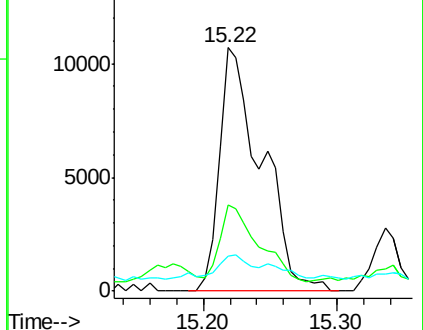
Tgt Ion:	252	Resp:	23577
Ion Ratio	Lower	Upper	
252	100		
253	35.4	17.9	26.9#
125	14.2	10.2	15.2

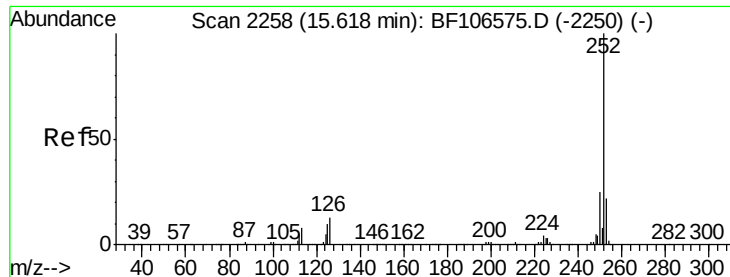


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.140 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.04 min

Lab File: BF106886.D

Acq: 27 Jun 2018 21:33

Instrument :

BNA_F

ClientSampleId :

JC-02-062618-G

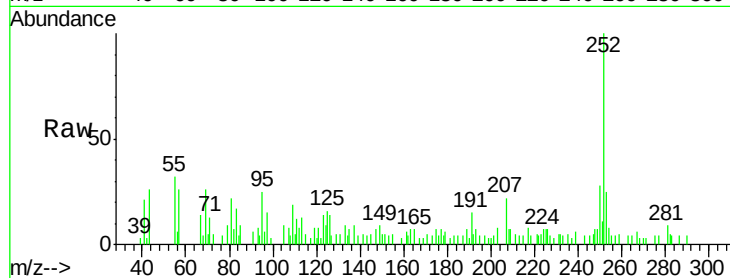
Tgt Ion:252 Resp: 12055

Ion Ratio Lower Upper

252 100

253 24.7 17.1 25.7

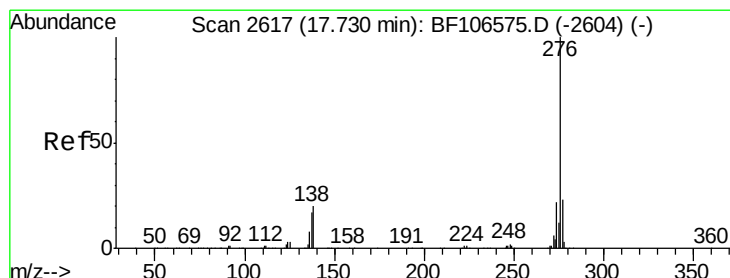
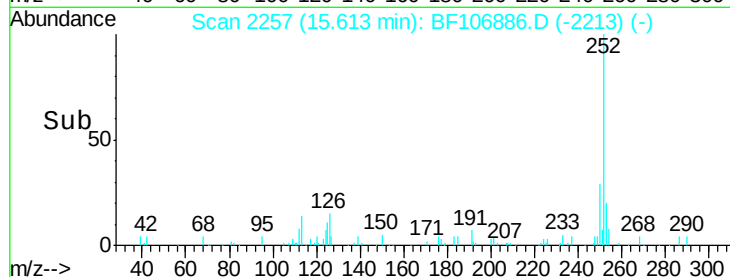
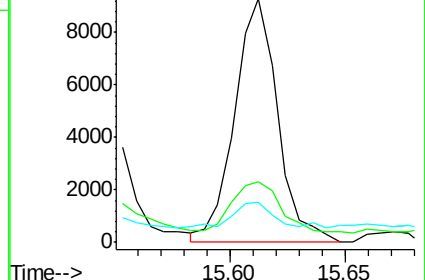
125 16.2 9.8 14.6#



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: 3.157 ng

RT: 17.73 min Scan# 2617

Delta R.T. -0.06 min

Lab File: BF106886.D

Acq: 27 Jun 2018 21:33

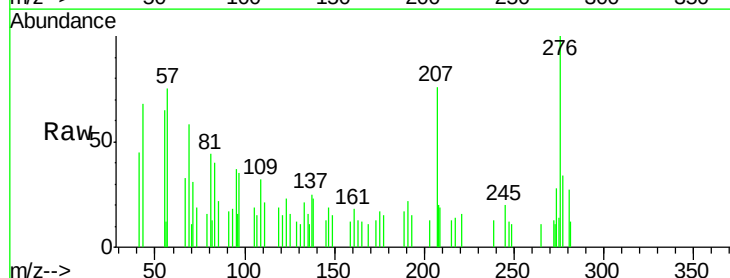
Tgt Ion:276 Resp: 6133

Ion Ratio Lower Upper

276 100

277 34.1 17.9 26.9#

138 22.9 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

