

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062818\
 Data File : BF106932.D
 Acq On : 28 Jun 2018 20:29
 Operator : JU/SJ
 Sample : J3242-15 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jun 29 01:10:53 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	79219	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	304183	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	143495	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	232476	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	224059	20.00	ng	-0.03
86) Perylene-d12	15.67	264	223437	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	252739	54.02	ng	-0.01
7) Phenol-d6	6.59	99	316440	54.16	ng	-0.02
23) Nitrobenzene-d5	7.51	82	191787	35.04	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	85311	51.29	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	396634	38.76	ng	-0.02
78) Terphenyl-d14	13.07	244	355665	38.45	ng	-0.02

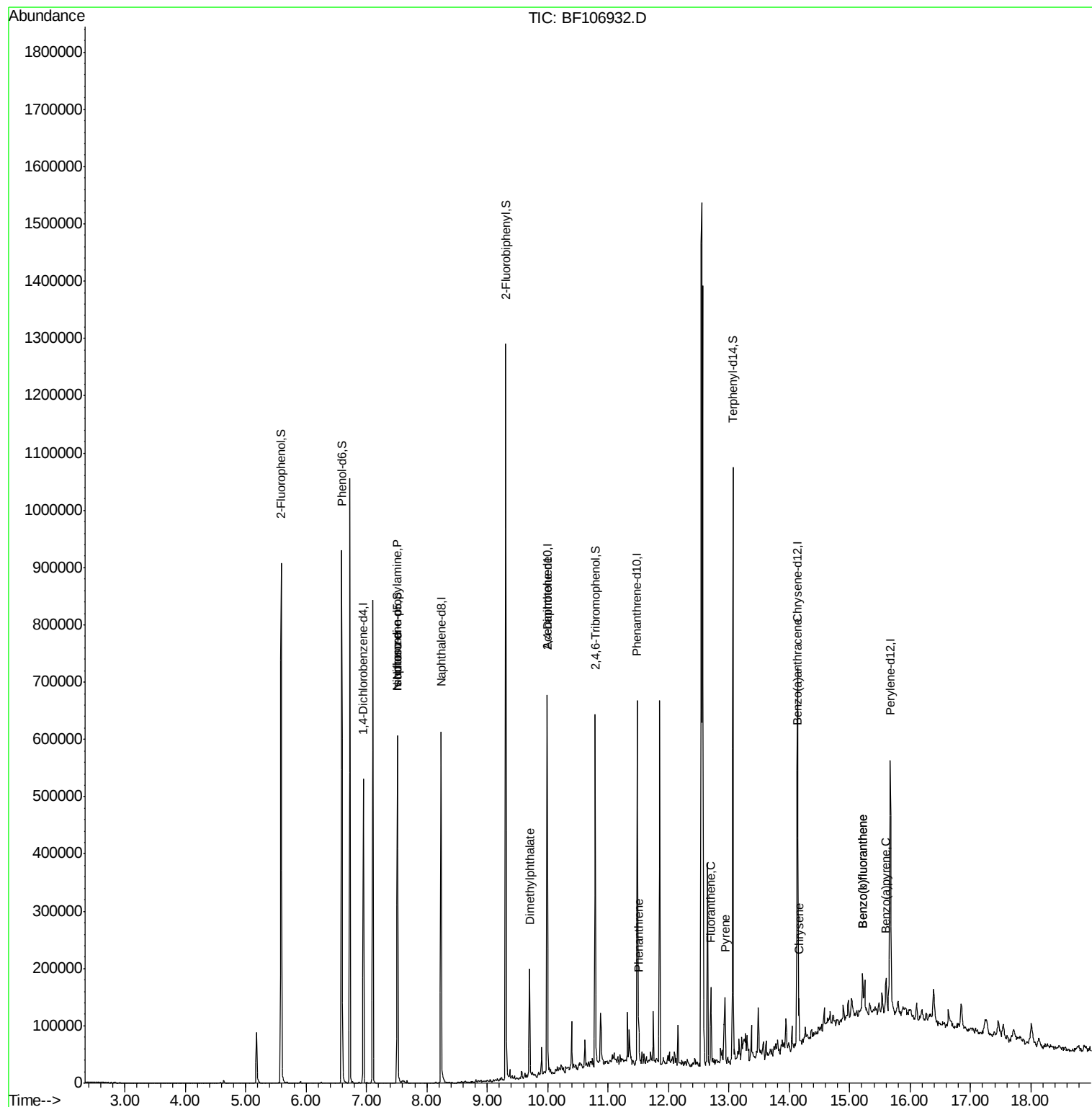
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.51	70	25105	6.519	ng	# 76
25) Isophorone	7.51	82	191784	19.884	ng	# 64
49) Dimethylphthalate	9.70	163	78346	7.280	ng	98
56) 2,4-Dinitrotoluene	9.99	165	19089	6.417	ng	# 22
70) Phenanthrene	11.51	178	24862	2.217	ng	98
74) Fluoranthene	12.70	202	52355	4.236	ng	94
77) Pyrene	12.94	202	50337	3.407	ng	99
80) Benzo(a)anthracene	14.12	228	30812	2.256	ng	97
82) Chrysene	14.16	228	27378	2.179	ng	96
87) Benzo(b)fluoranthene	15.21	252	54163	3.902	ng	# 93
88) Benzo(k)fluoranthene	15.21	252	54163	4.098	ng	95
89) Benzo(a)pyrene	15.60	252	28058	2.274	ng	95

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

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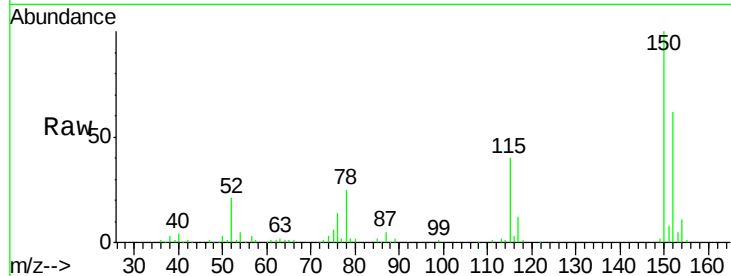




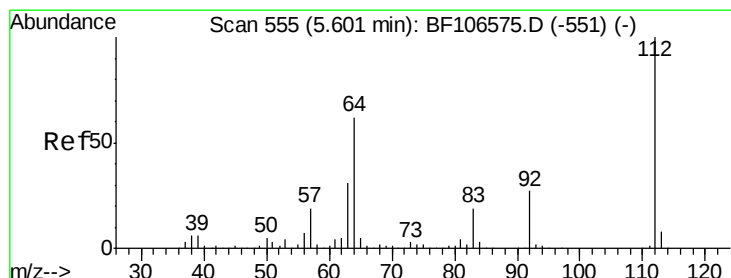
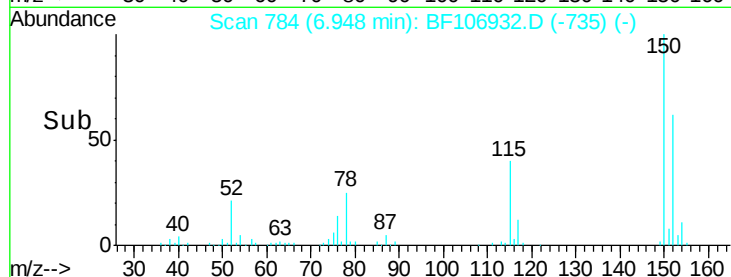
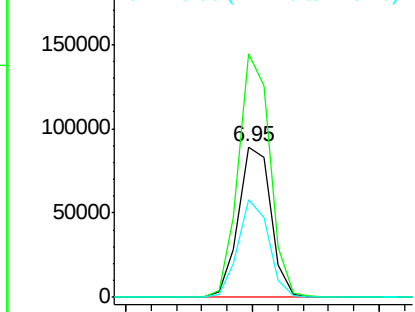
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF106932.D
 Acq: 28 Jun 2018 20:29

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

Tgt Ion:152 Resp: 79219
 Ion Ratio Lower Upper
 152 100
 150 162.1 124.6 186.8
 115 65.3 50.1 75.1

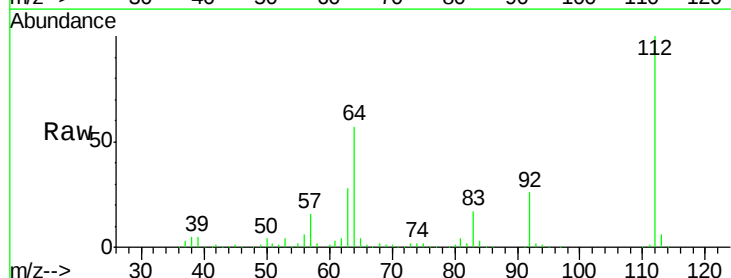


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

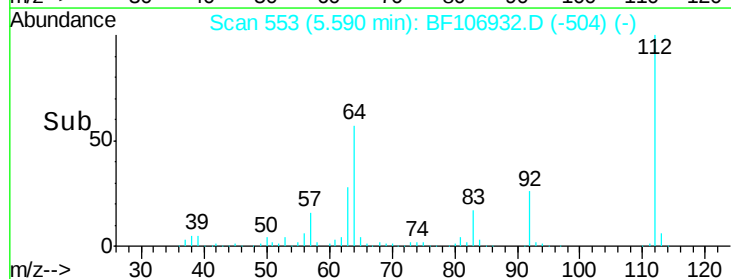
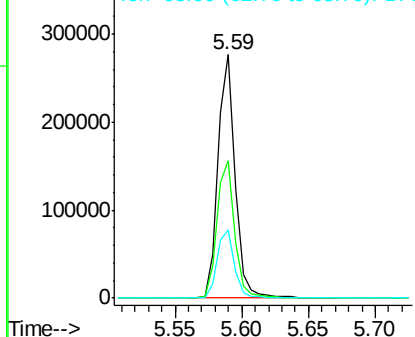


#5
 2-Fluorophenol
 Concen: 54.023 ng
 RT: 5.59 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF106932.D
 Acq: 28 Jun 2018 20:29

Tgt Ion:112 Resp: 252739
 Ion Ratio Lower Upper
 112 100
 64 56.6 47.9 71.9
 63 28.1 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: 54.163 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF106932.D

Acq: 28 Jun 2018 20:29

Instrument :

BNA_F

ClientSampleId :

JC-02-062618-H

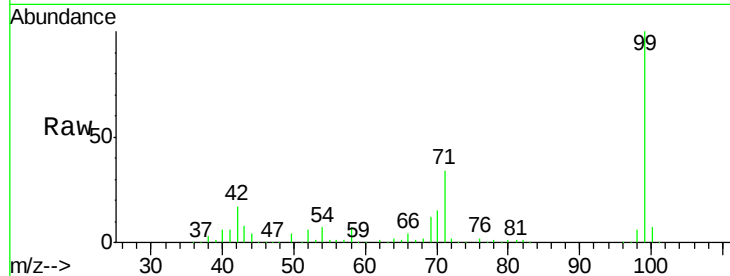
Tgt Ion: 99 Resp: 316440

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

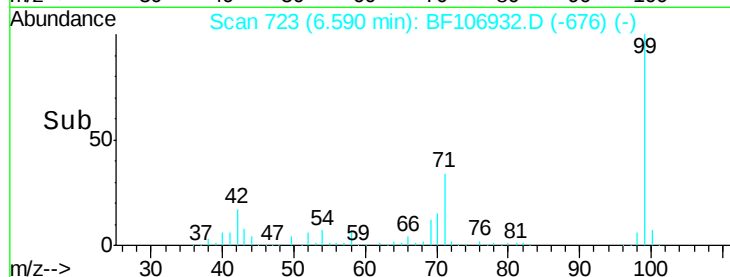
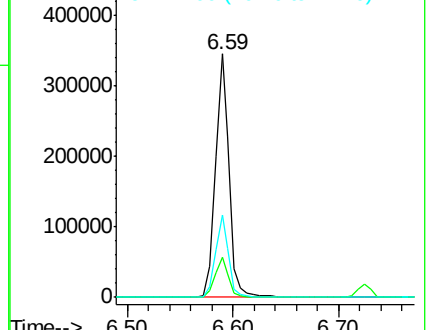
71 33.9 25.4 38.0



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: 6.519 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF106932.D

Acq: 28 Jun 2018 20:29

Tgt Ion: 70 Resp: 25105

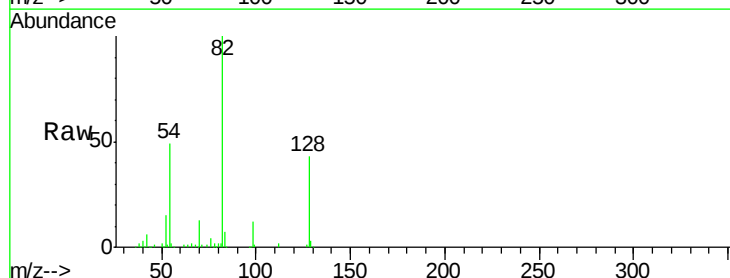
Ion Ratio Lower Upper

70 100

42 46.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

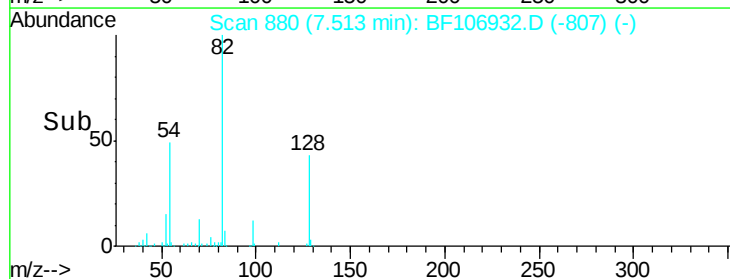
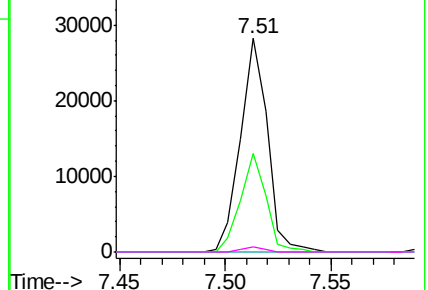


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

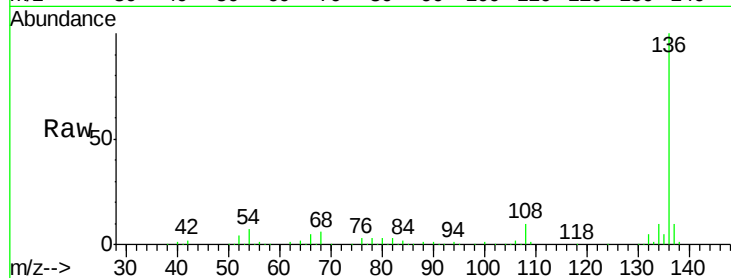




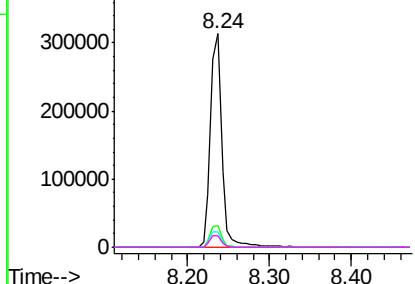
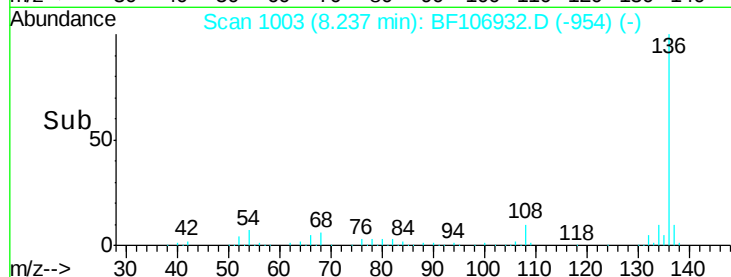
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

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

Tgt Ion:	136	Resp:	304183
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.3	6.6	9.8
68	5.7	5.0	7.4

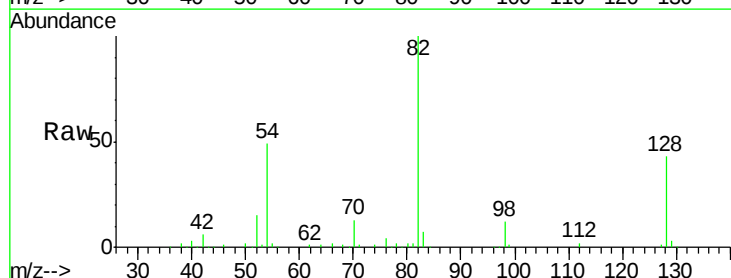


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

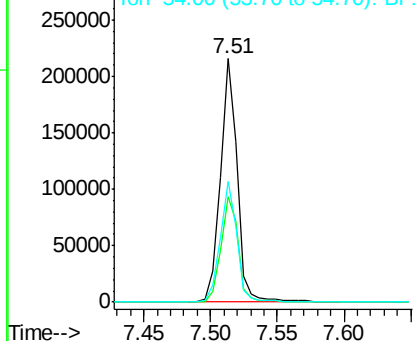
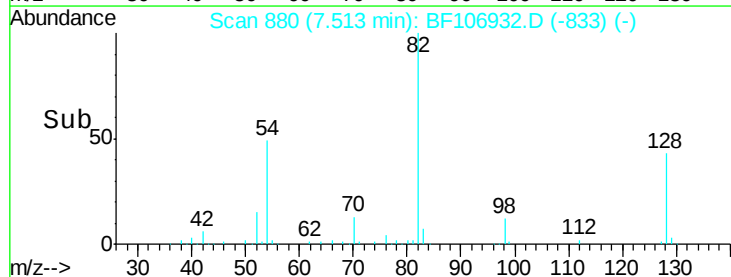


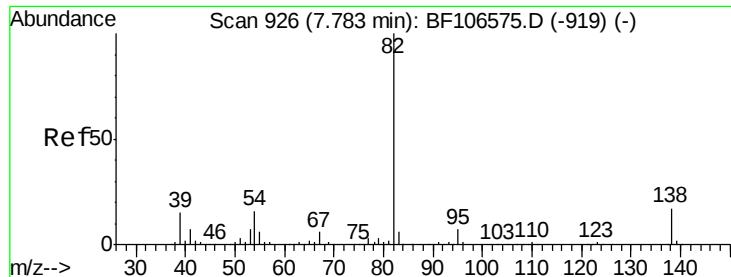
#23
Nitrobenzene-d5
Concen: 35.039 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:	82	Resp:	191787
Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	49.5	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

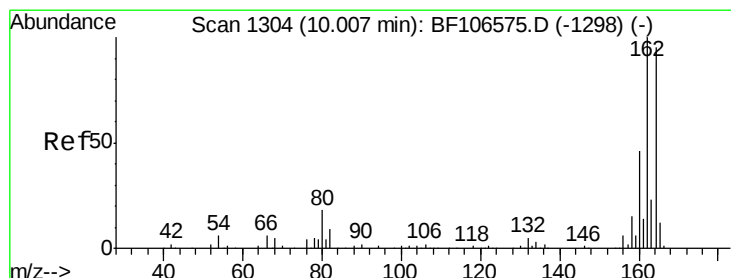
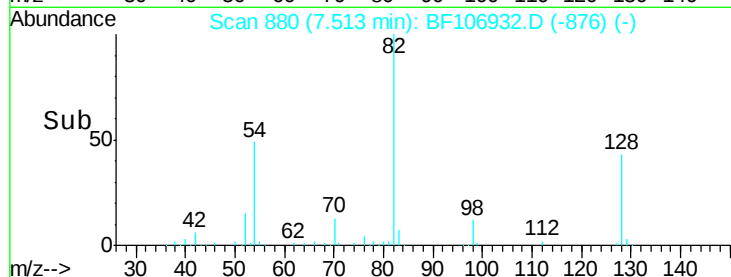
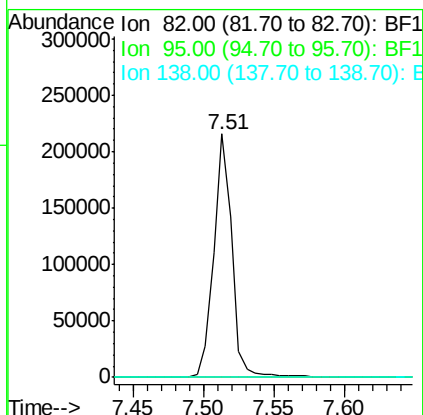
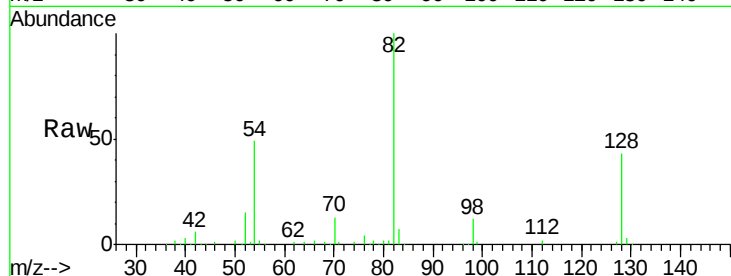




#25
Isophorone
Concen: 19.884 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

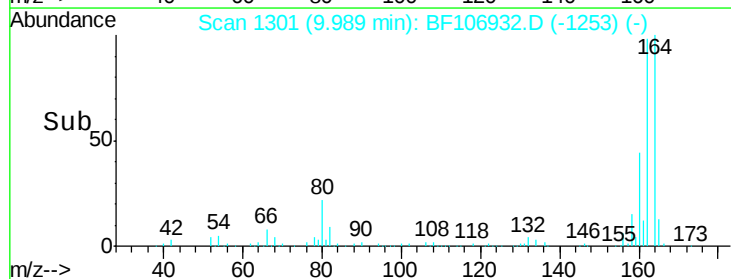
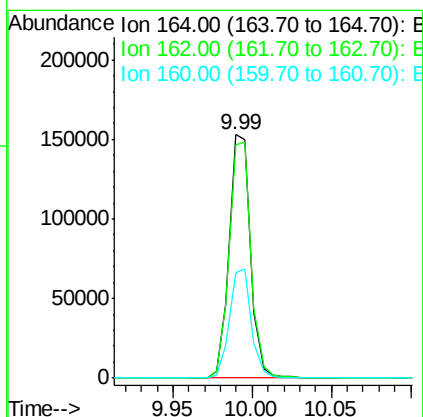
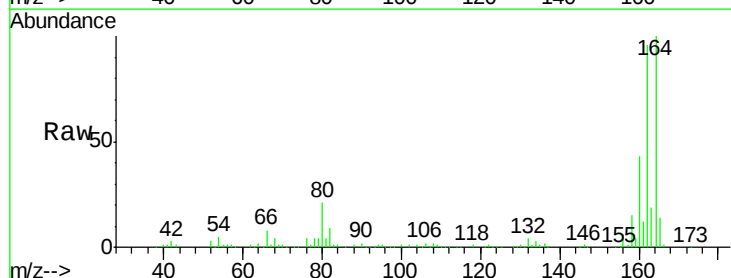
Instrument :
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ClientSampleId :
JC-02-062618-H

Tgt Ion: 82 Resp: 191784
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: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion: 164 Resp: 143495
Ion Ratio Lower Upper
164 100
162 96.0 86.1 129.1
160 43.2 38.3 57.5

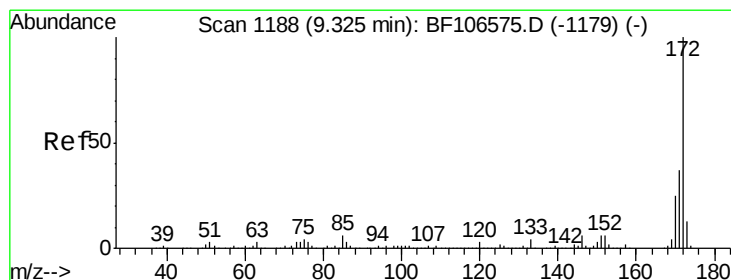
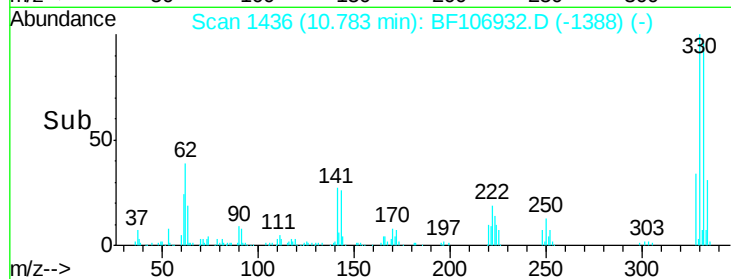
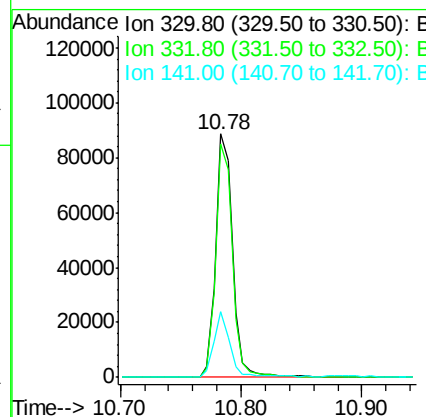
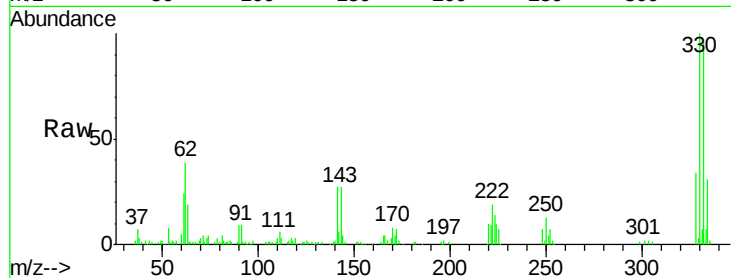




#41
 2,4,6-Tribromophenol
 Concen: 51.295 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF106932.D
 Acq: 28 Jun 2018 20:29

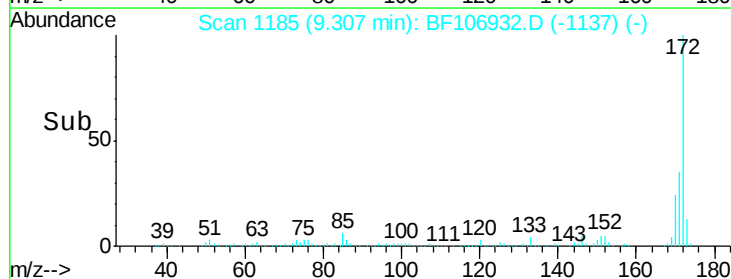
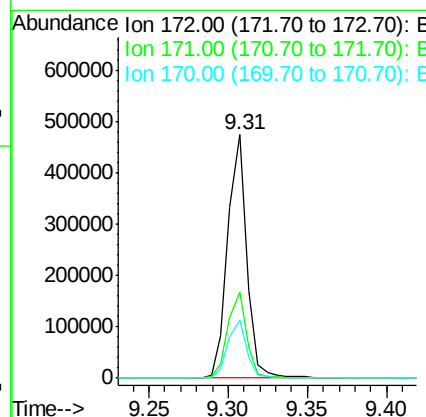
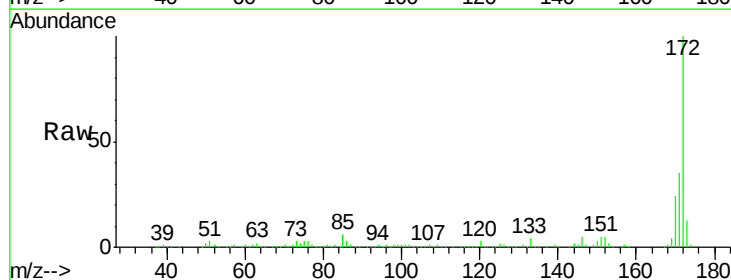
Instrument :
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 ClientSampleId :
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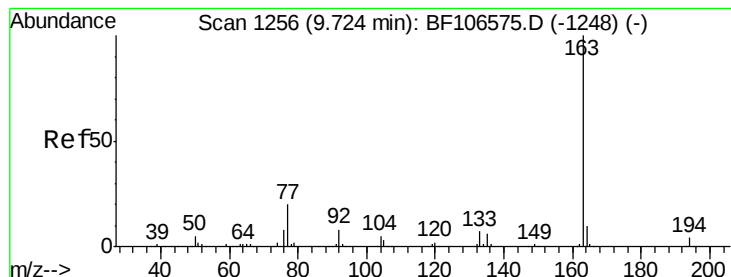
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	26.1	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 38.761 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF106932.D
 Acq: 28 Jun 2018 20:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.6	19.6	29.4





#49

Dimethylphthalate

Concen: 7.280 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF106932.D

Acq: 28 Jun 2018 20:29

Instrument :

BNA_F

ClientSampleId :

JC-02-062618-H

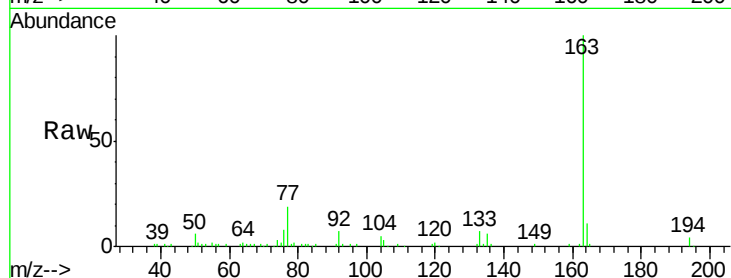
Tgt Ion:163 Resp: 78346

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

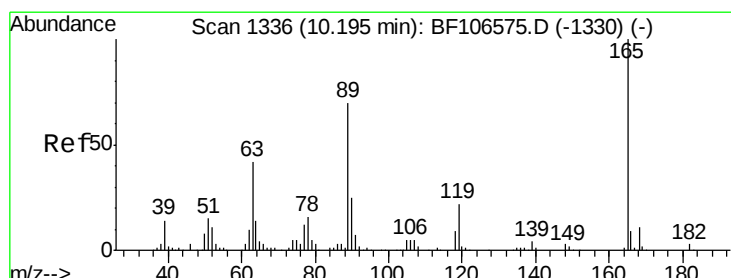
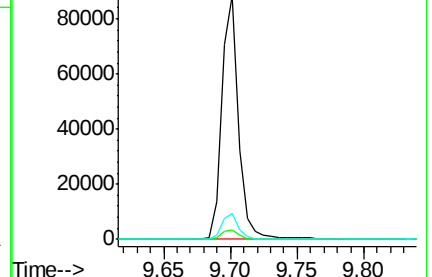
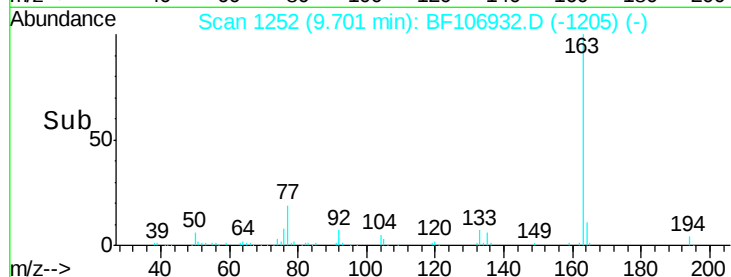
164 10.9 8.2 12.2



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: 6.417 ng

RT: 9.99 min Scan# 1301

Delta R.T. -0.21 min

Lab File: BF106932.D

Acq: 28 Jun 2018 20:29

Tgt Ion:165 Resp: 19089

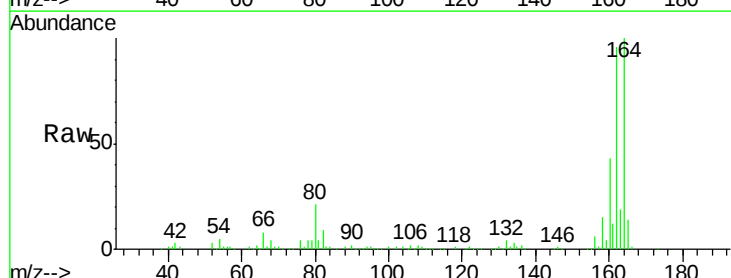
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

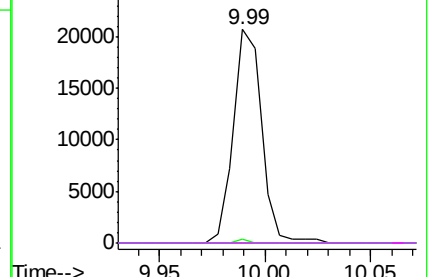
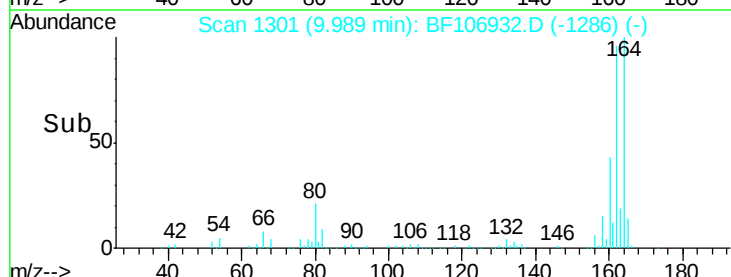


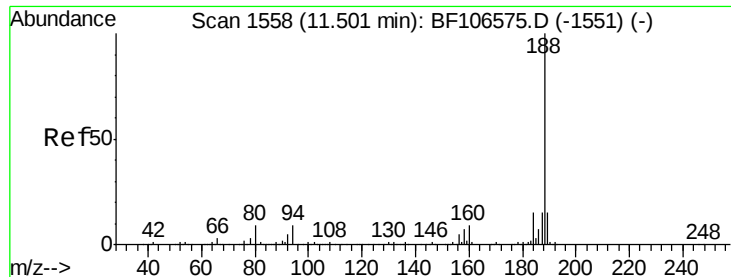
Abundance Ion 165.00 (164.70 to 165.70): E

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

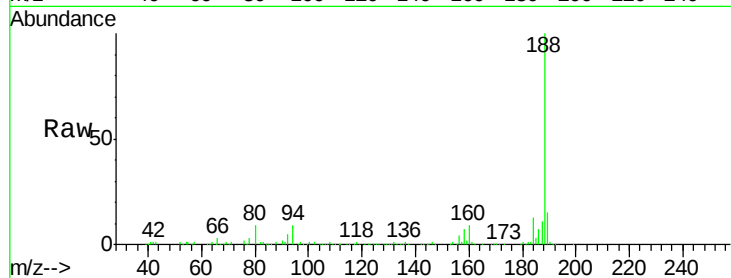




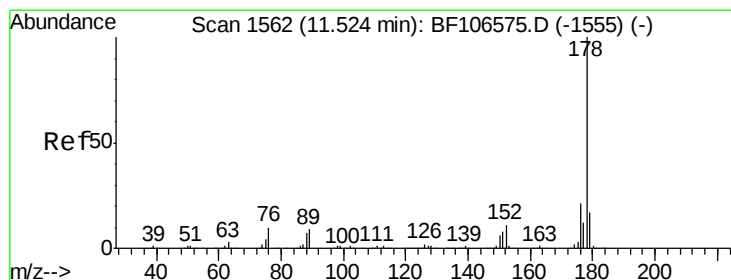
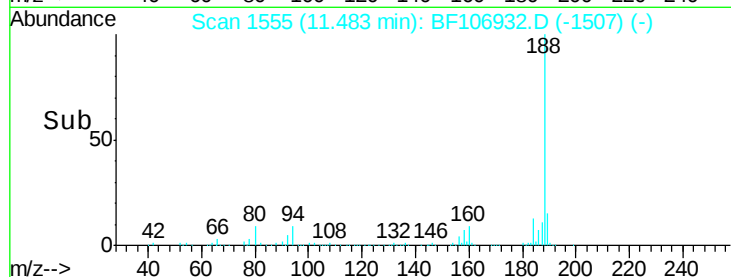
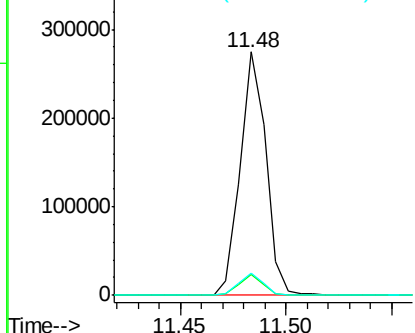
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

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

Tgt Ion:188 Resp: 232476
Ion Ratio Lower Upper
188 100
94 8.6 8.5 12.7
80 9.0 9.2 13.8#

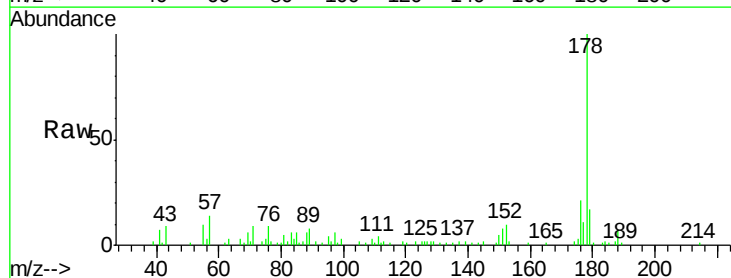


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

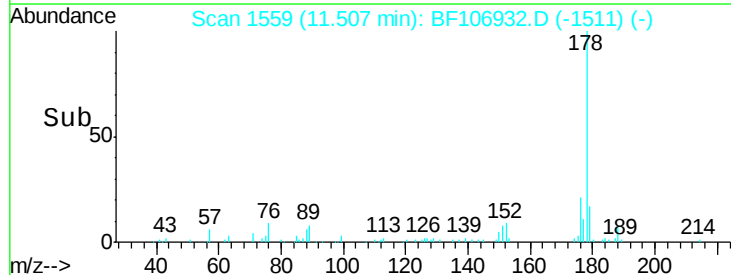
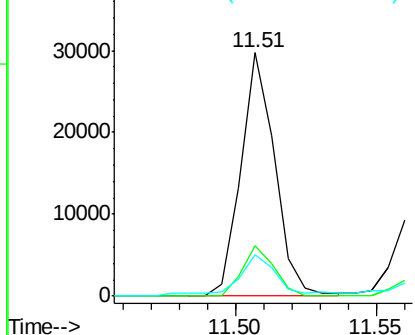


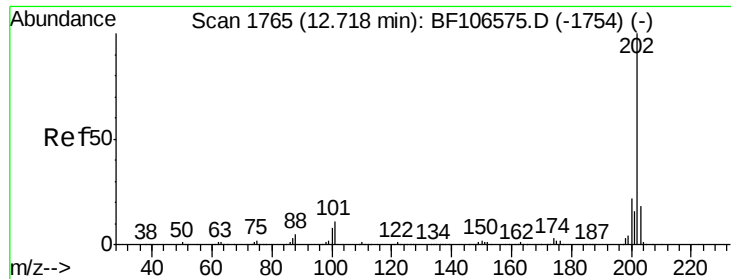
#70
Phenanthrene
Concen: 2.217 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:178 Resp: 24862
Ion Ratio Lower Upper
178 100
176 20.6 15.8 23.8
179 16.8 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: 4.236 ng

RT: 12.70 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF106932.D

Acq: 28 Jun 2018 20:29

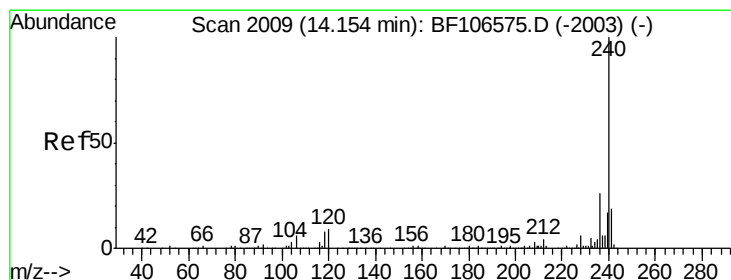
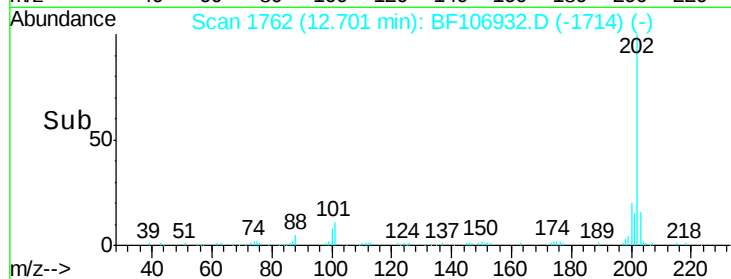
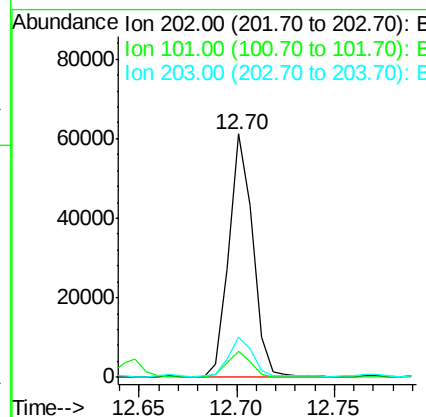
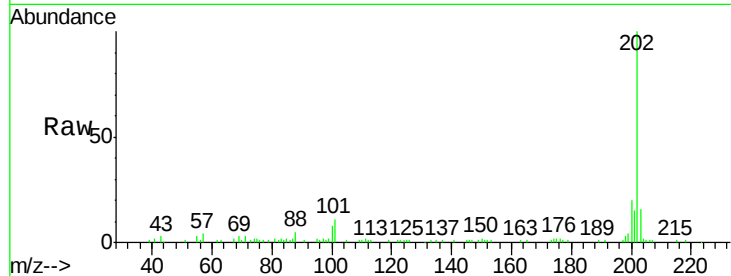
Instrument :

BNA_F

ClientSampleId :

JC-02-062618-H

Tgt Ion:	202	Resp:	52355
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.1
203	16.3	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

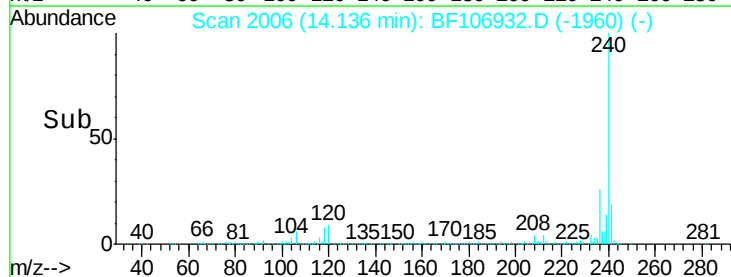
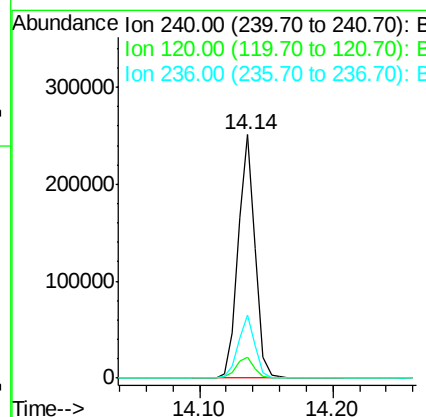
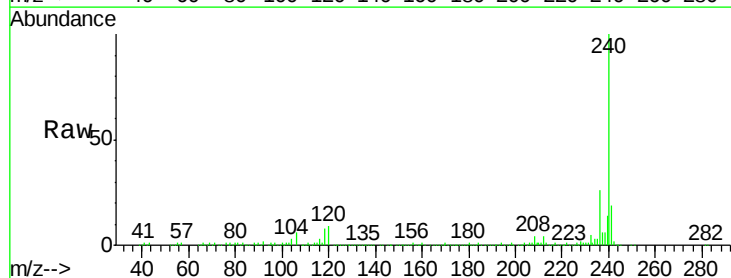
RT: 14.14 min Scan# 2006

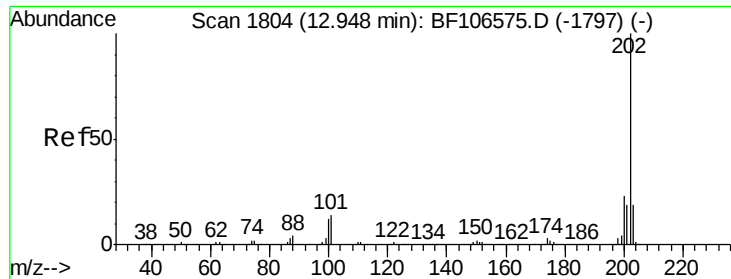
Delta R.T. -0.03 min

Lab File: BF106932.D

Acq: 28 Jun 2018 20:29

Tgt Ion:	240	Resp:	224059
Ion	Ratio	Lower	Upper
240	100		
120	8.7	9.5	14.3#
236	25.7	20.7	31.1

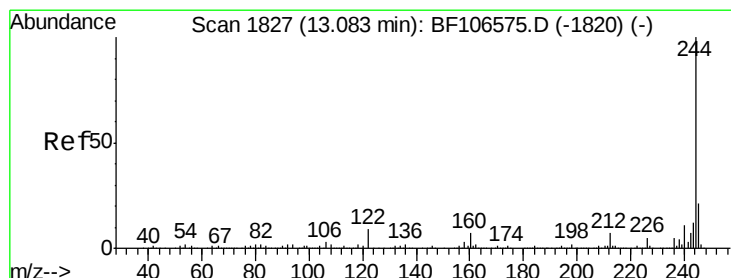
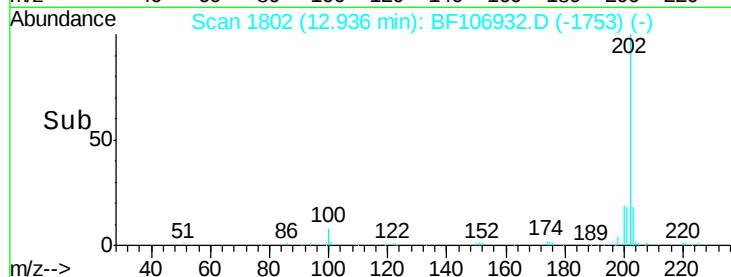
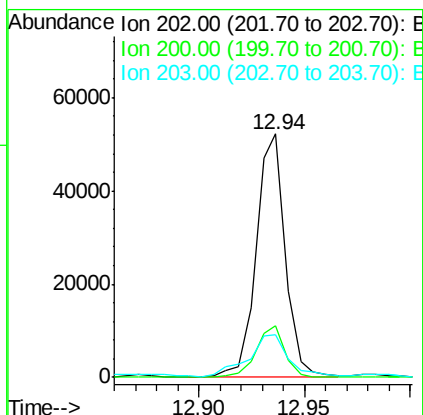
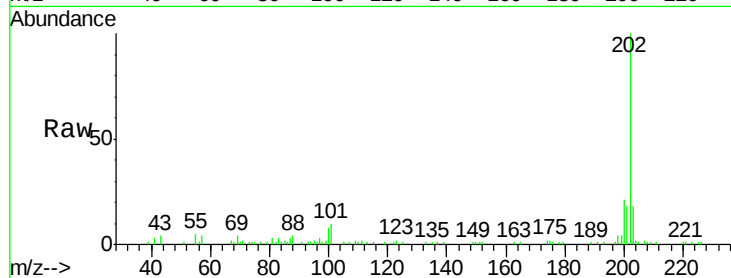




#77
 Pyrene
 Concen: 3.407 ng
 RT: 12.94 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: BF106932.D
 Acq: 28 Jun 2018 20:29

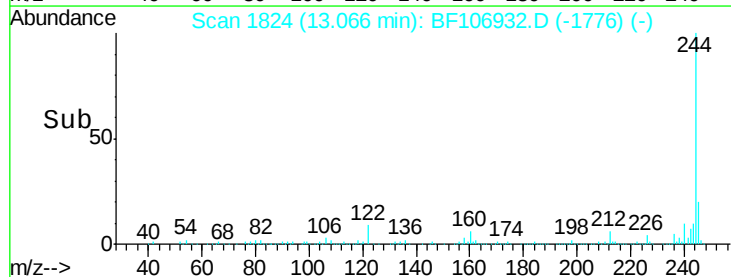
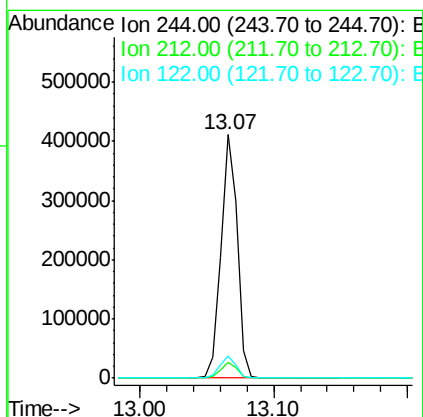
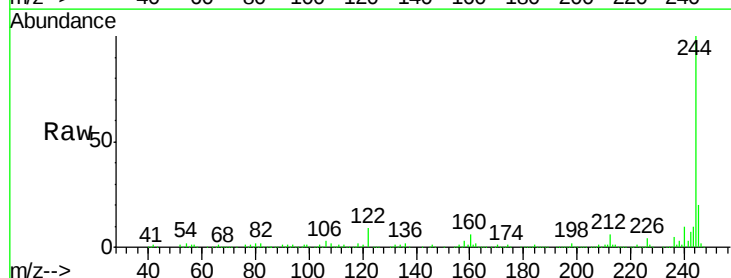
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-062618-H

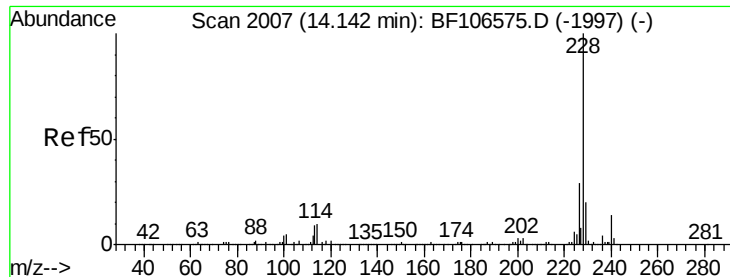
Tgt Ion: 202 Resp: 50337
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.4 26.2
 203 17.5 14.3 21.5



#78
 Terphenyl-d14
 Concen: 38.451 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF106932.D
 Acq: 28 Jun 2018 20:29

Tgt Ion: 244 Resp: 355665
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 8.9 11.0 16.4#





#80

Benzo(a)anthracene

Concen: 2.256 ng

RT: 14.12 min Scan# 2004

Delta R.T. -0.03 min

Lab File: BF106932.D

Acq: 28 Jun 2018 20:29

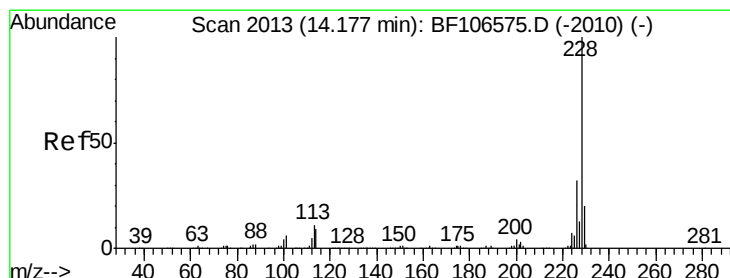
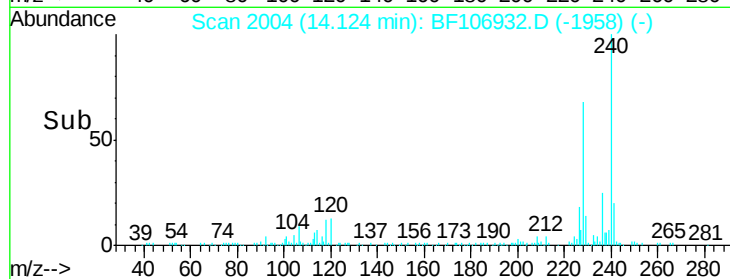
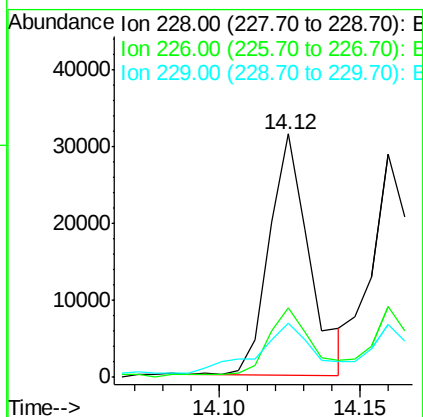
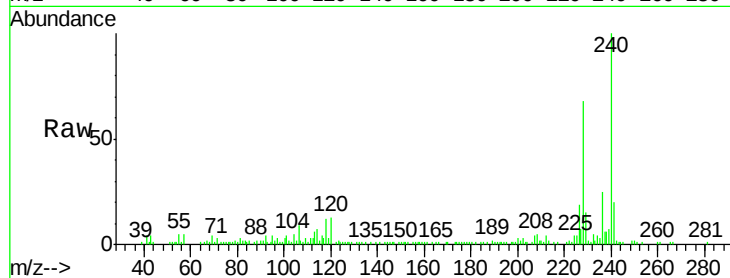
Instrument :

BNA_F

ClientSampleId :

JC-02-062618-H

Tgt Ion:	228	Resp:	30812
Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	22.4	15.8	23.6



#82

Chrysene

Concen: 2.179 ng

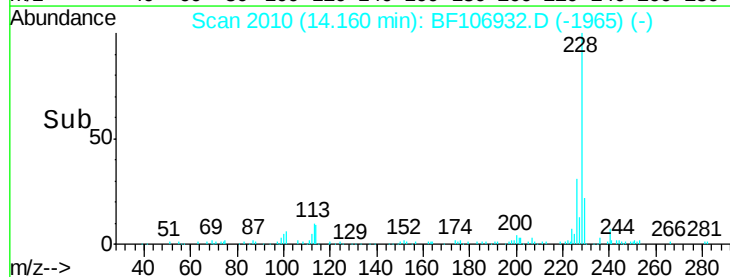
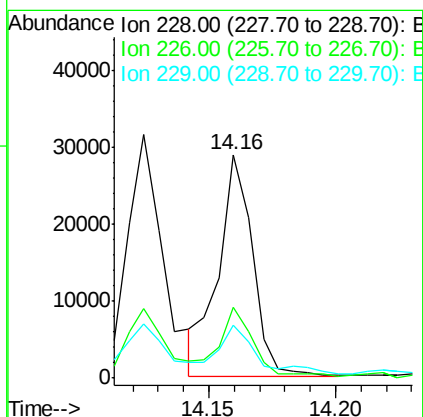
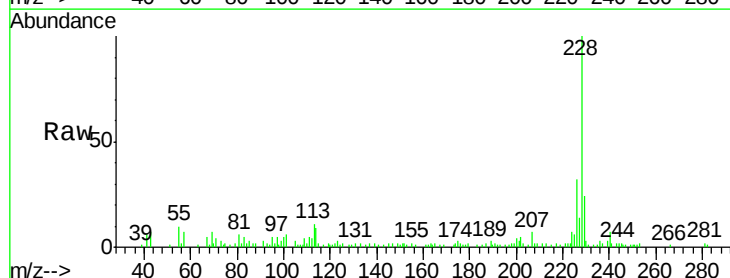
RT: 14.16 min Scan# 2010

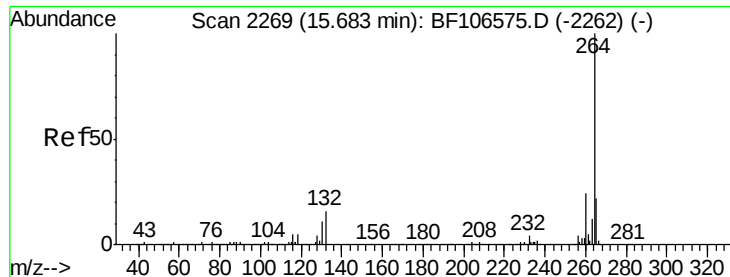
Delta R.T. -0.04 min

Lab File: BF106932.D

Acq: 28 Jun 2018 20:29

Tgt Ion:	228	Resp:	27378
Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	23.8	16.2	24.4



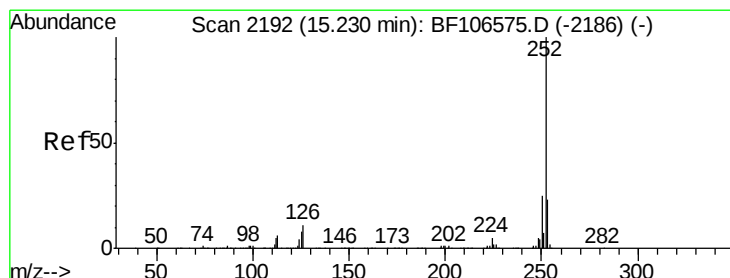
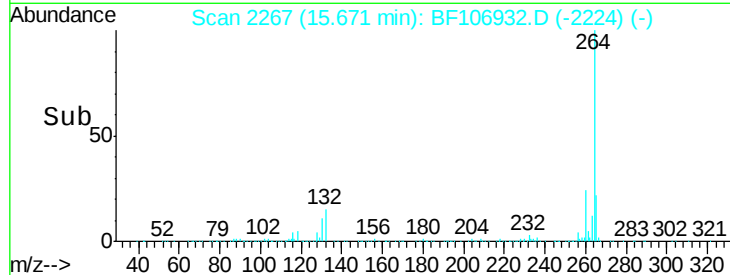
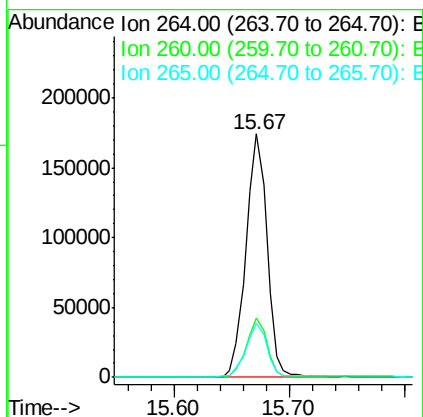
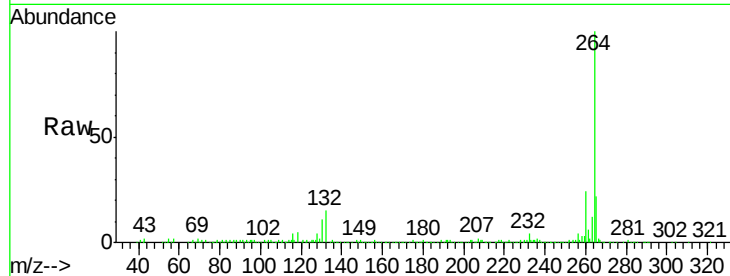


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.05 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

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

Tgt Ion:264 Resp: 223437

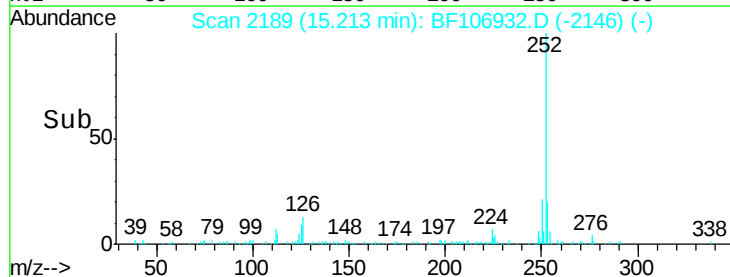
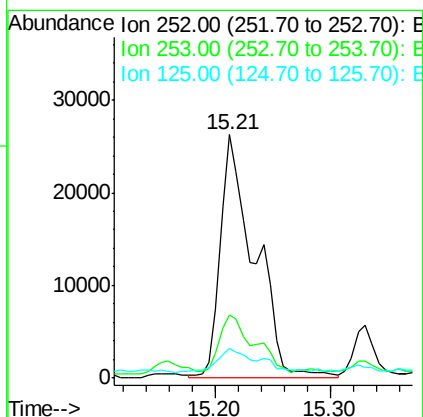
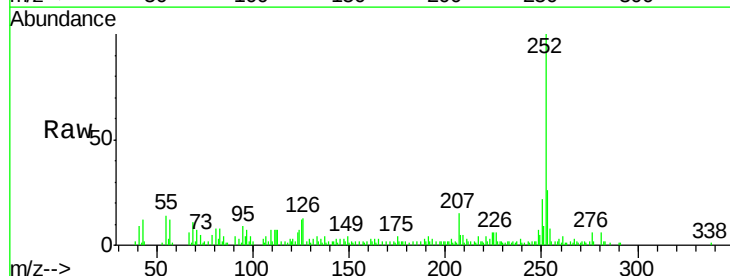
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.0	17.5	26.3

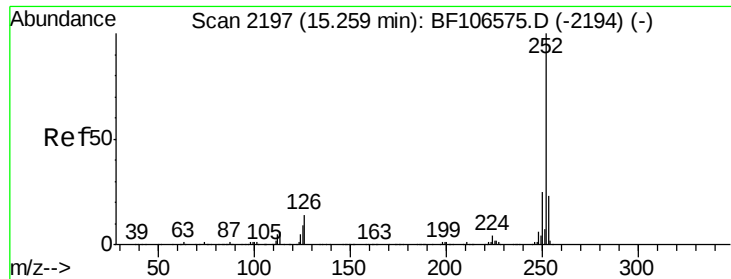


#87
Benzo(b)fluoranthene
Concen: 3.902 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.05 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:252 Resp: 54163

Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.0	25.6#
125	12.3	9.0	13.6

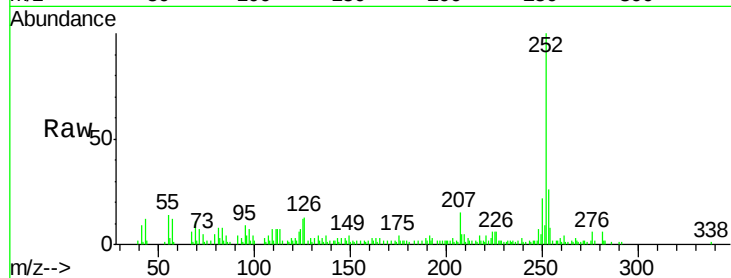




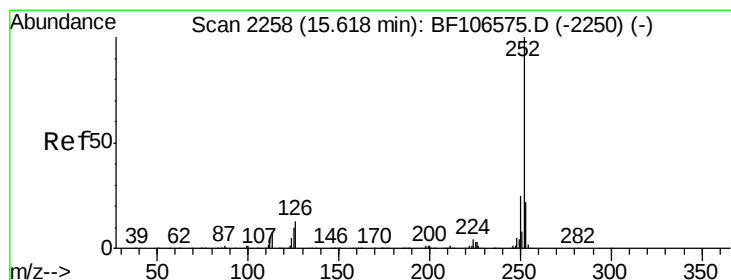
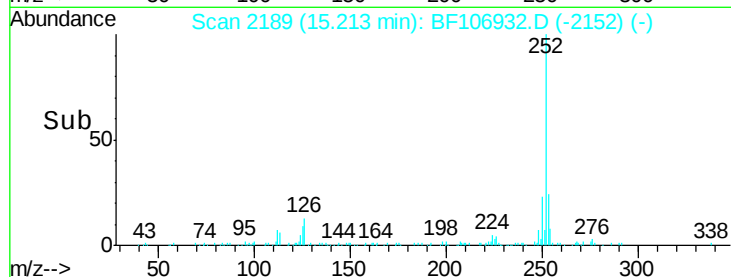
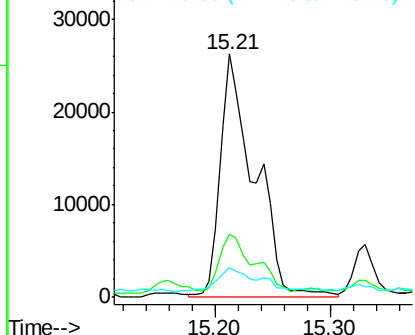
#88
Benzo(k)fluoranthene
Concen: 4.098 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.08 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

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

Tgt Ion:252 Resp: 54163
Ion Ratio Lower Upper
252 100
253 25.7 17.9 26.9
125 12.3 10.2 15.2

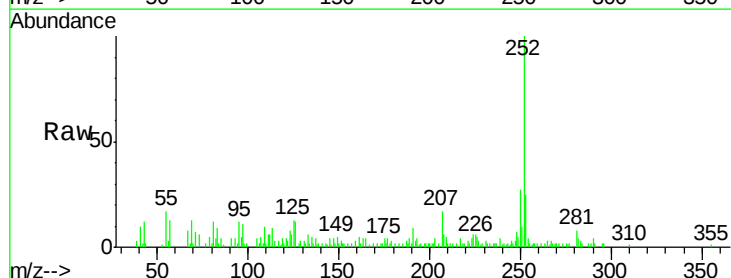


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.274 ng
RT: 15.60 min Scan# 2255
Delta R.T. -0.05 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:252 Resp: 28058
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 13.3 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

