

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
 Data File : BF108692.D
 Acq On : 31 Aug 2018 16:40
 Operator : JU/SJ
 Sample : J4712-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 18:02:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	76024	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	313327	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	134839	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	242958	20.00	ng	0.00
75) Chrysene-d12	14.19	240	229246	20.00	ng	0.00
86) Perylene-d12	15.75	264	173053	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	442656	101.15	ng	-0.01
7) Phenol-d6	6.64	99	706412	112.70	ng	-0.01
23) Nitrobenzene-d5	7.57	82	478708	77.55	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	154160	86.60	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	851141	84.87	ng	0.00
78) Terphenyl-d14	13.12	244	724071	61.37	ng	-0.01

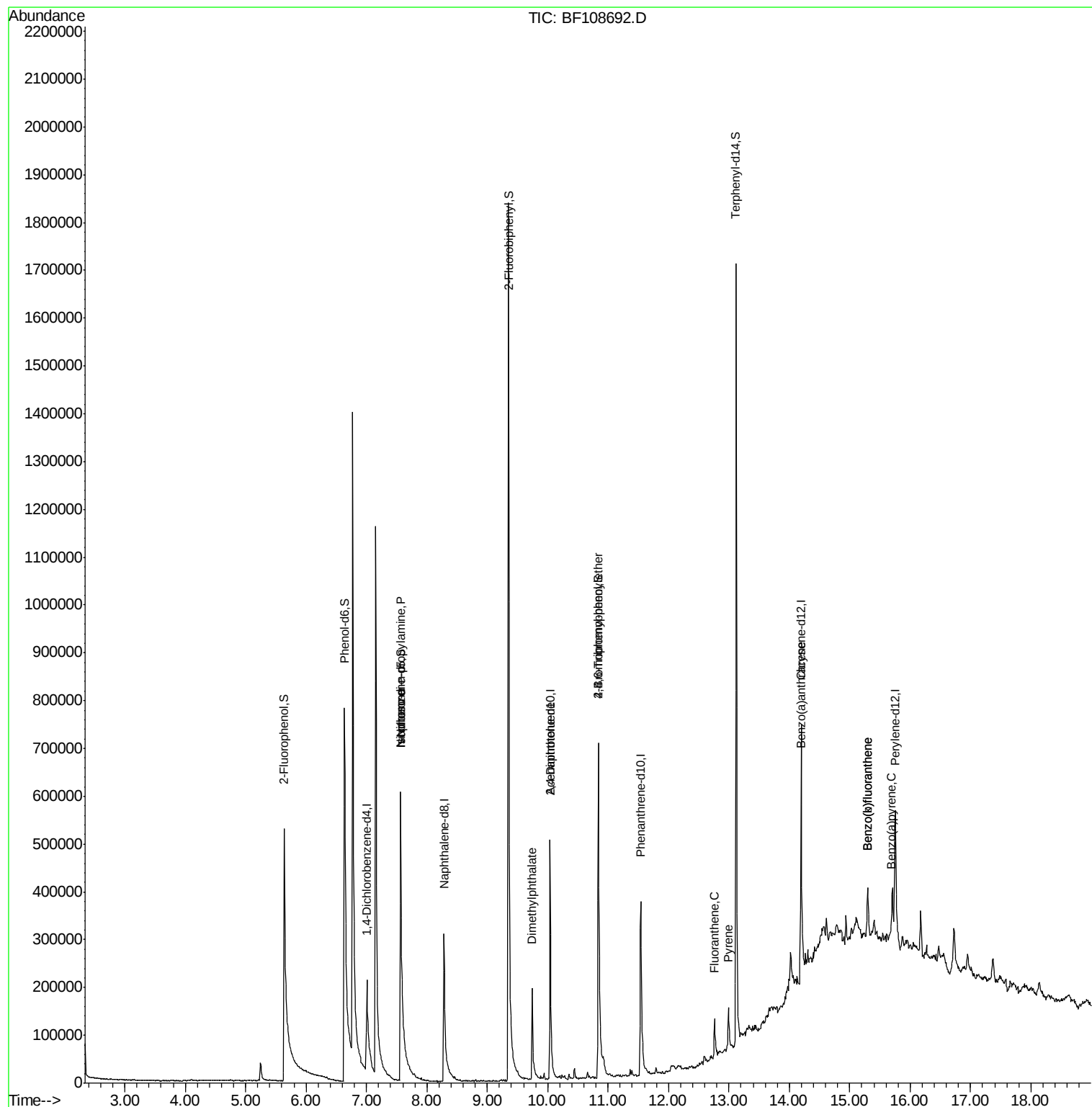
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.57	70	58385	13.910	ng	# 86
25) Isophorone	7.57	82	478708	46.684	ng	# 64
49) Dimethylphthalate	9.74	163	126377	11.902	ng	99
56) 2,4-Dinitrotoluene	10.04	165	17856	5.762	ng	# 23
66) 4-Bromophenyl-phenylether	10.84	248	9281	3.108	ng	# 1
74) Fluoranthene	12.76	202	52772	3.823	ng	94
77) Pyrene	12.99	202	58082	3.370	ng	97
80) Benzo(a)anthracene	14.18	228	28393	2.032	ng	97
87) Benzo(b)fluoranthene	15.29	252	42782	4.024	ng	# 79
88) Benzo(k)fluoranthene	15.29	252	42782	4.063	ng	# 82
89) Benzo(a)pyrene	15.69	252	20375	2.121	ng	# 89

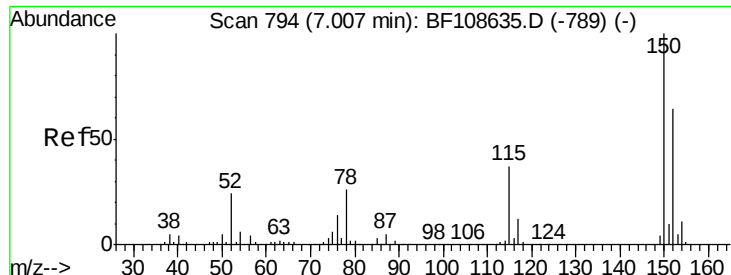
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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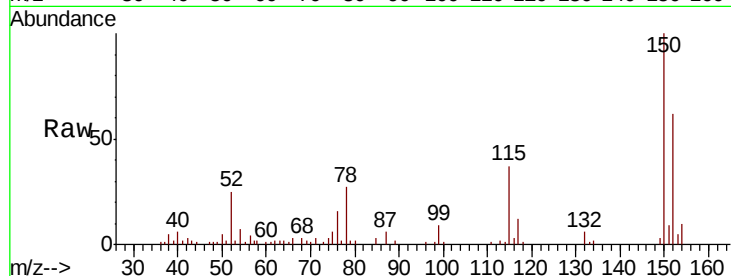


#1

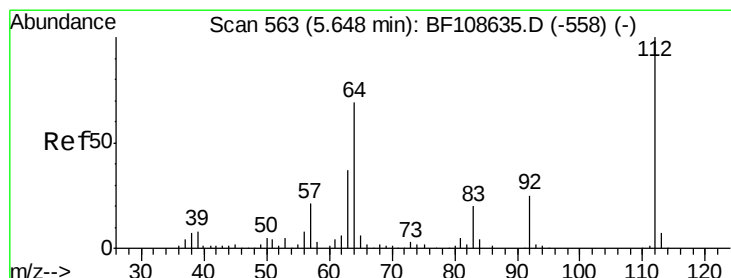
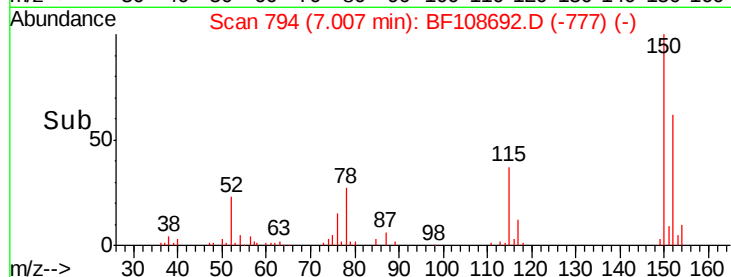
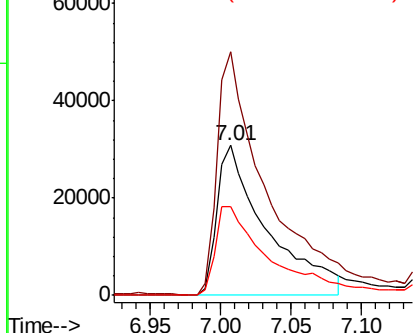
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF108692.D
Acq: 31 Aug 2018 16:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 76024
Ion Ratio Lower Upper
152 100
150 162.5 124.6 186.8
115 59.5 50.1 75.1



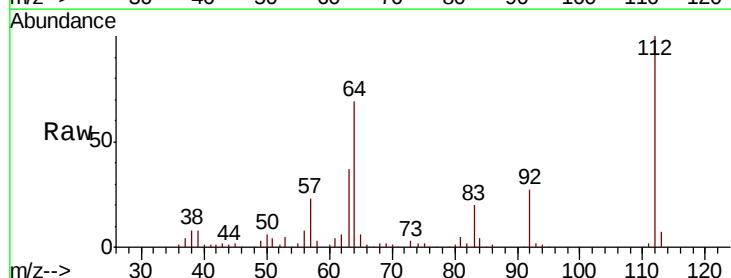
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



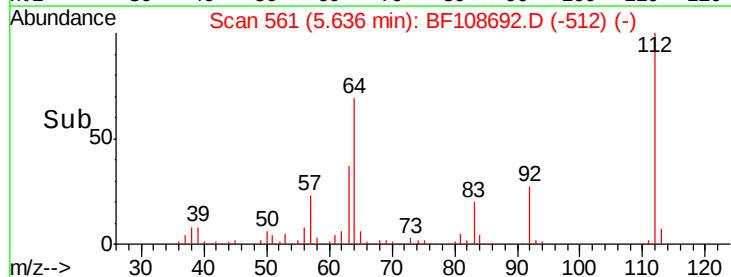
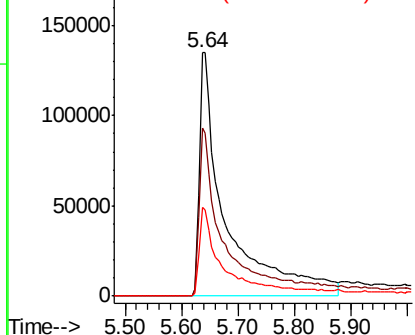
#5

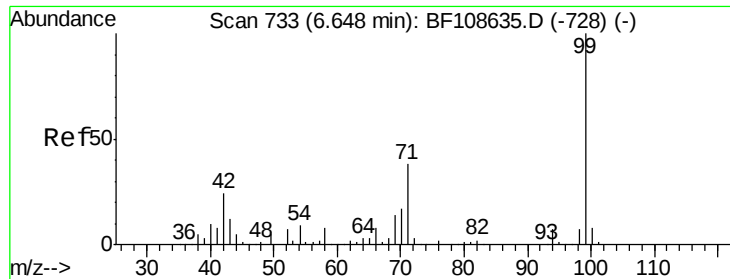
2-Fluorophenol
Concen: 101.150 ng
RT: 5.64 min Scan# 561
Delta R.T. -0.01 min
Lab File: BF108692.D
Acq: 31 Aug 2018 16:40

Tgt Ion:112 Resp: 442656
Ion Ratio Lower Upper
112 100
64 68.9 47.9 71.9
63 36.7 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 112.703 ng

RT: 6.64 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF108692.D

Acq: 31 Aug 2018 16:40

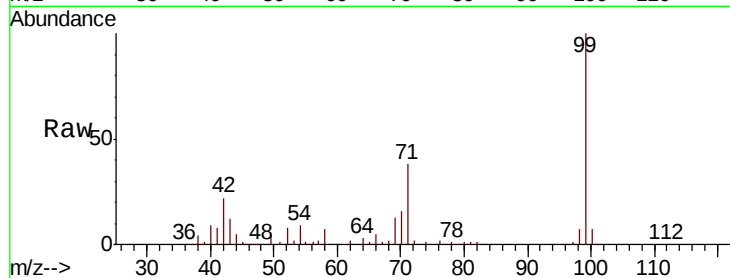
Instrument :

BNA_F

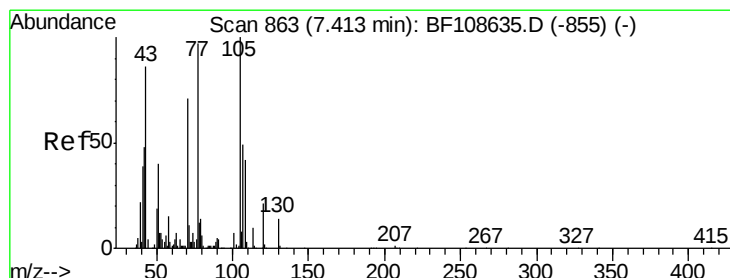
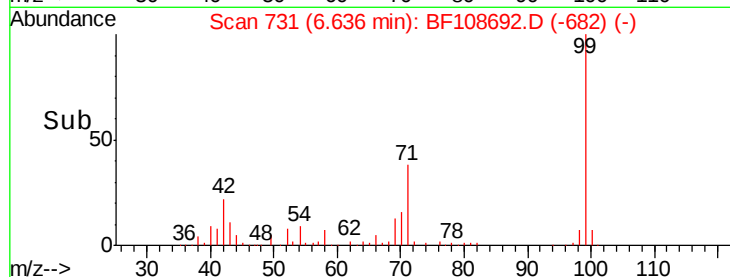
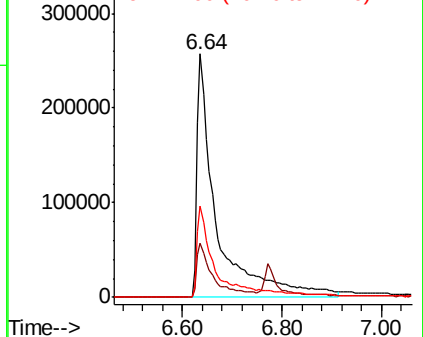
ClientSampleId :

Tot Ion: 99 Resp: 706412

Ion	Ratio	Lower	Upper
99	100		
42	22.1	14.5	21.7#
71	37.8	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: 13.910 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

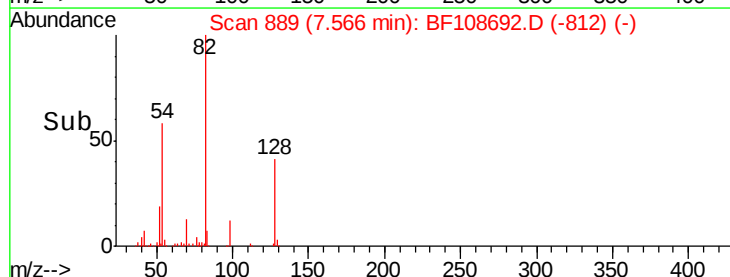
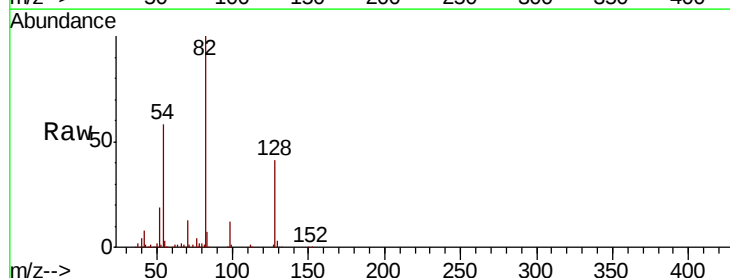
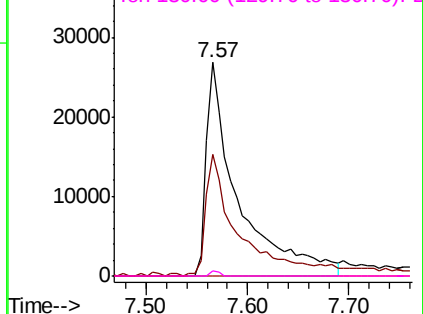
Lab File: BF108692.D

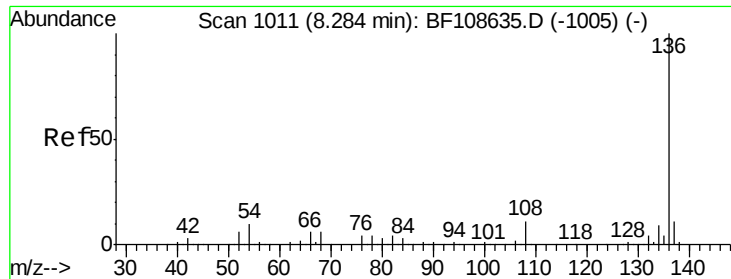
Acq: 31 Aug 2018 16:40

Tgt Ion: 70 Resp: 58385

Ion	Ratio	Lower	Upper
70	100		
42	56.8	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	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

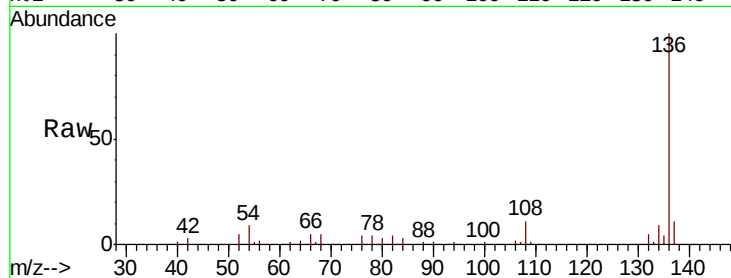




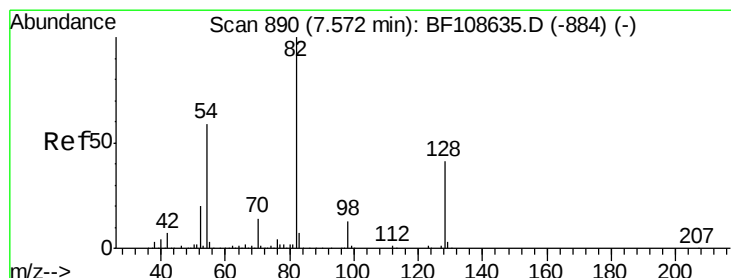
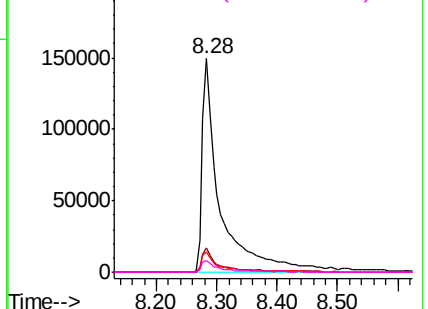
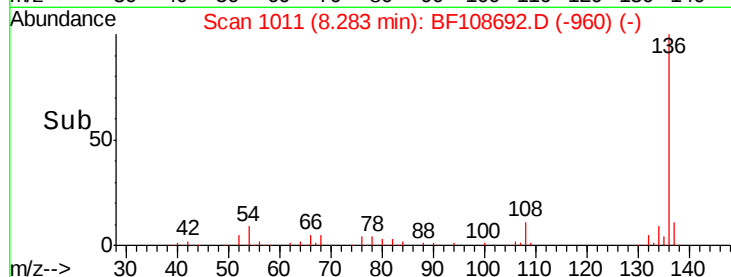
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF108692.D
Acq: 31 Aug 2018 16:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	313327
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.9 13.3
54	9.3	6.6 9.8
68	5.4	5.0 7.4

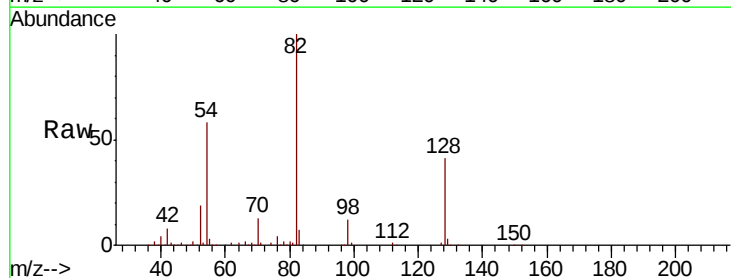


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

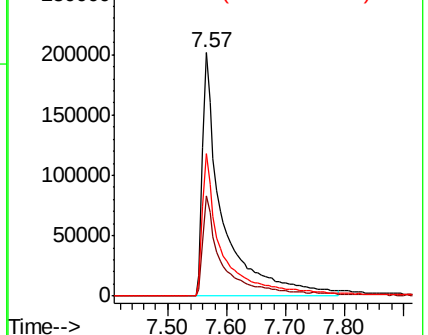
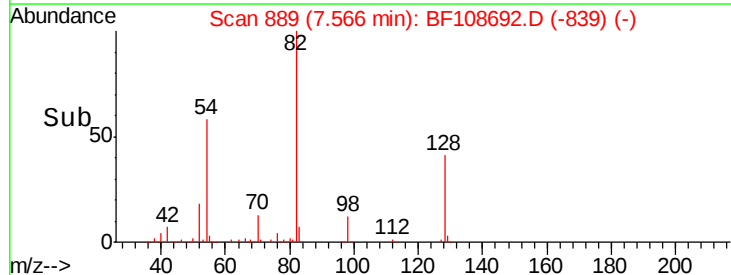


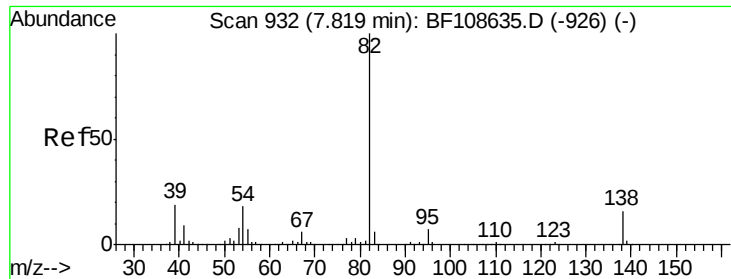
#23
Nitrobenzene-d5
Concen: 77.550 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108692.D
Acq: 31 Aug 2018 16:40

Tgt Ion: 82	Resp:	478708
Ion	Ratio	Lower Upper
82	100	
128	41.1	36.1 54.1
54	58.3	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: 46.684 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.25 min

Lab File: BF108692.D

Acq: 31 Aug 2018 16:40

Instrument :

BNA_F

ClientSampled :

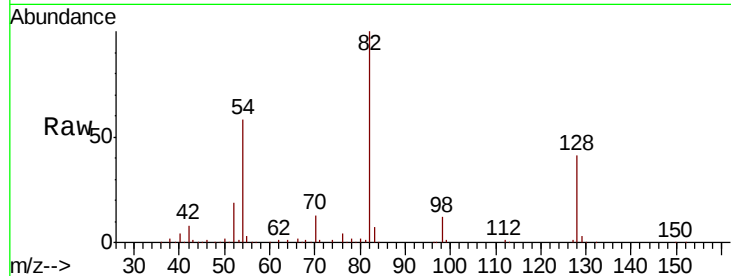
Tot Ion: 82 Resp: 478708

Ion Ratio Lower Upper

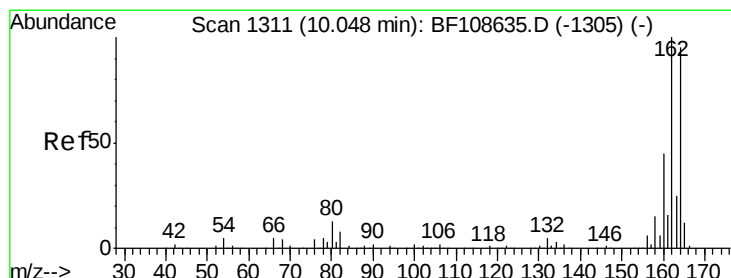
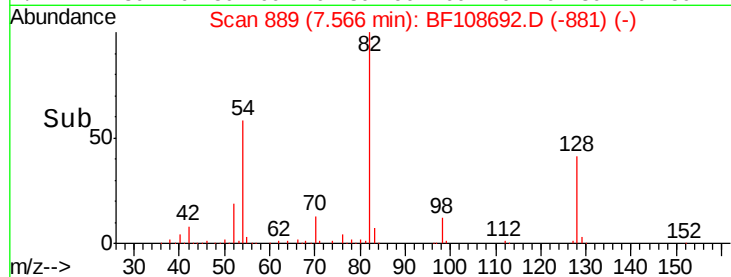
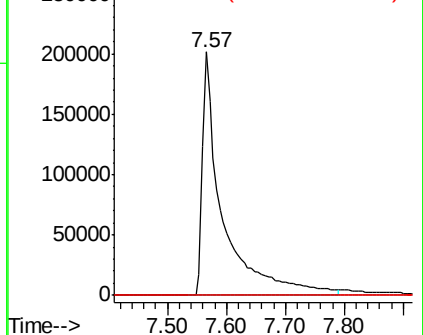
82 100

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: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108692.D

Acq: 31 Aug 2018 16:40

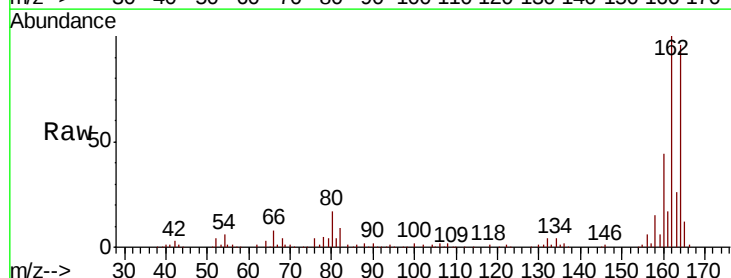
Tgt Ion:164 Resp: 134839

Ion Ratio Lower Upper

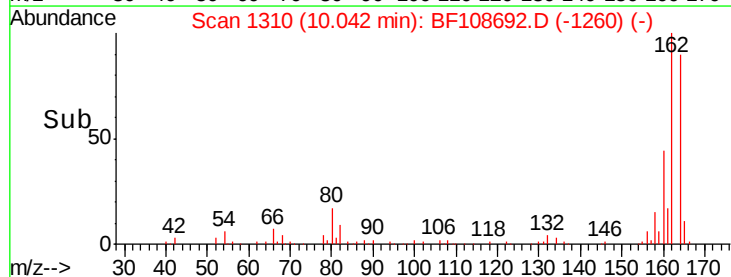
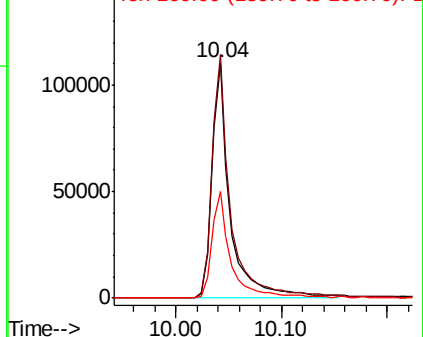
164 100

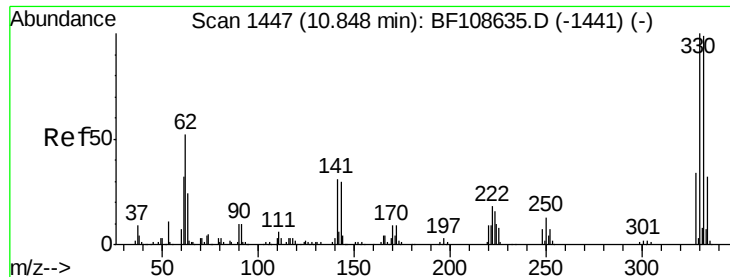
162 103.6 86.1 129.1

160 45.5 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

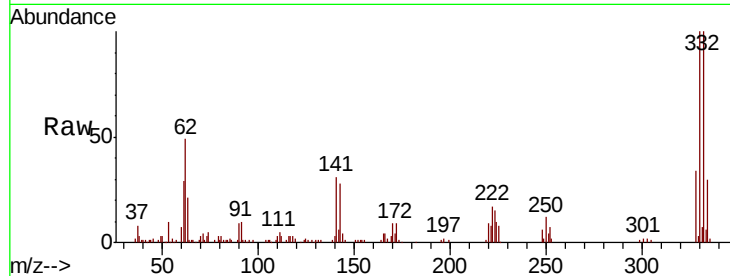




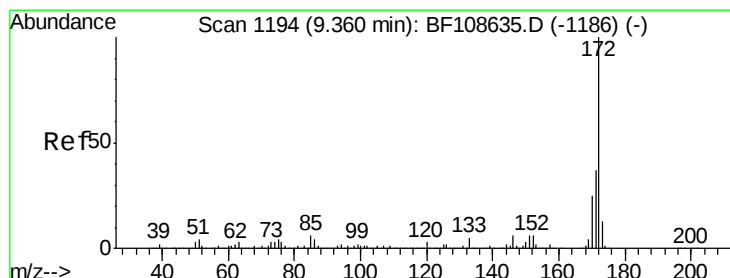
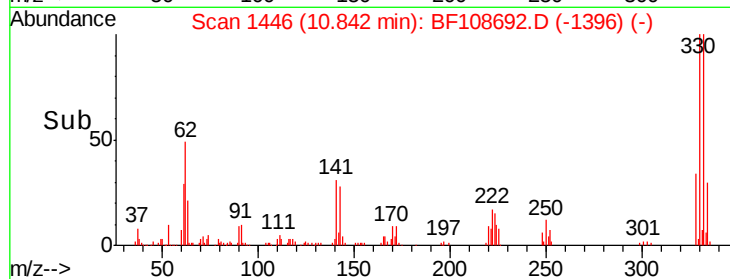
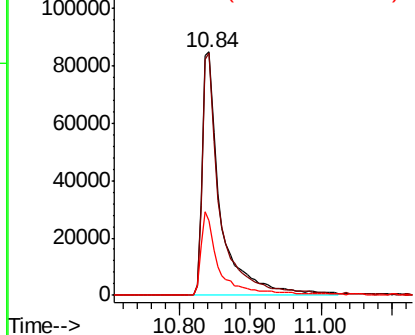
#41
 2,4,6-Tribromophenol
 Concen: 86.605 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108692.D
 Acq: 31 Aug 2018 16:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	33.9	29.9	44.9

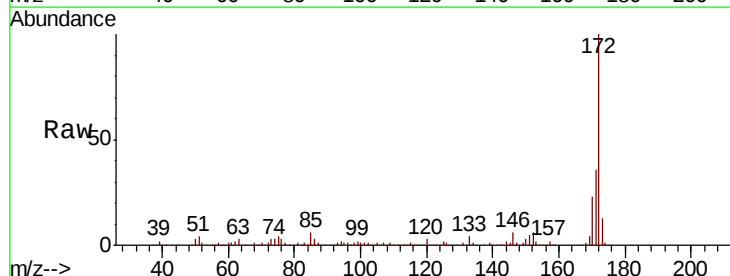


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

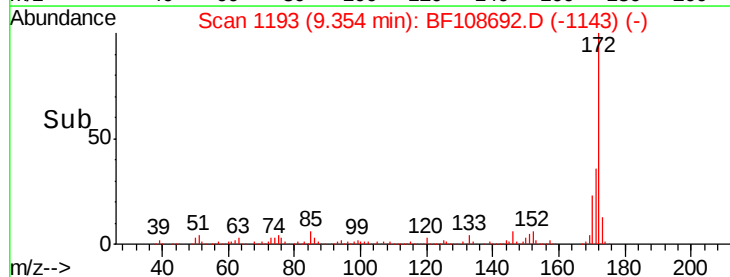
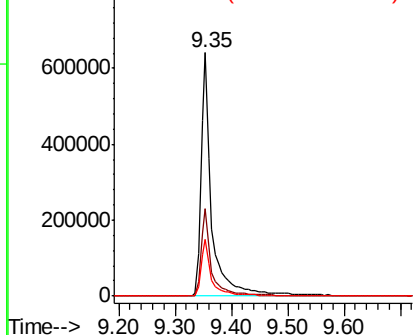


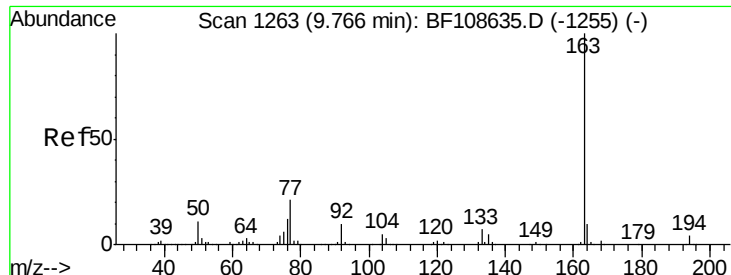
#44
 2-Fluorobiphenyl
 Concen: 84.873 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108692.D
 Acq: 31 Aug 2018 16:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.4	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

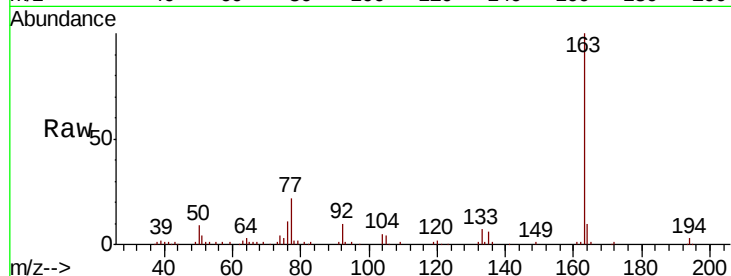




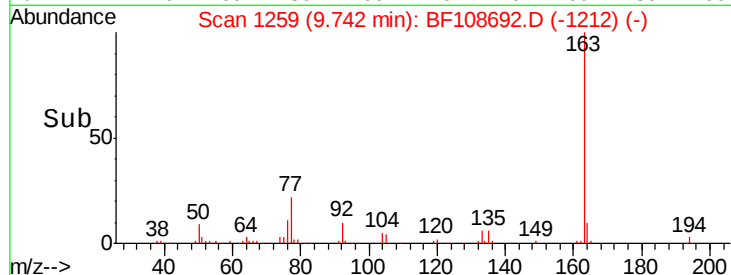
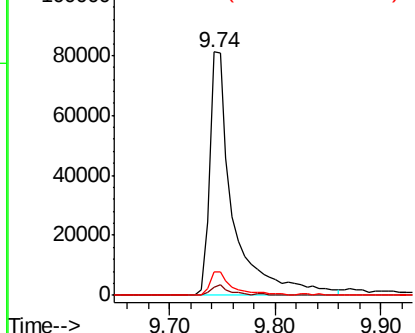
#49
Dimethylphthalate
Concen: 11.902 ng
RT: 9.74 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF108692.D
Acq: 31 Aug 2018 16:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 126377
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.7 8.2 12.2

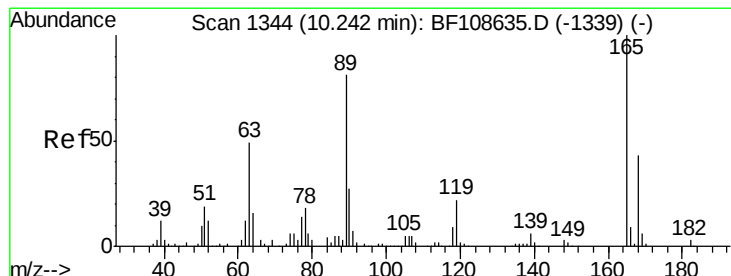


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

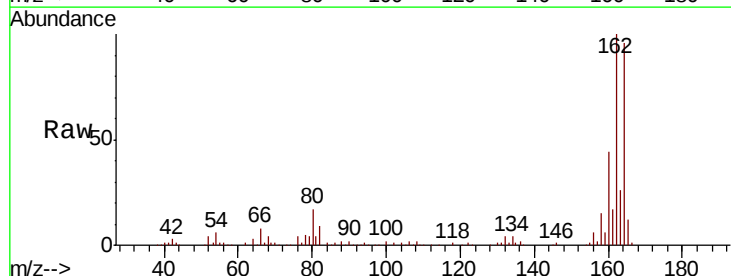
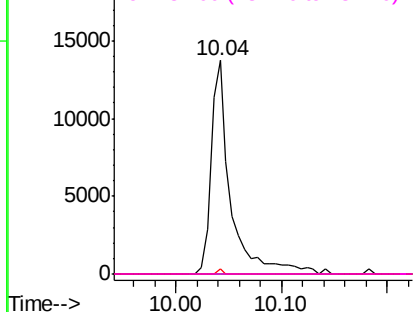


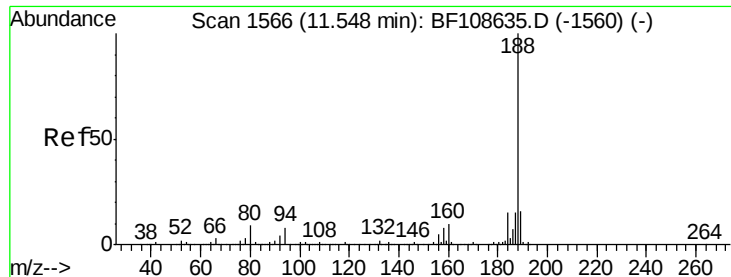
#56
2,4-Dinitrotoluene
Concen: 5.762 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.20 min
Lab File: BF108692.D
Acq: 31 Aug 2018 16:40

Tgt Ion:165 Resp: 17856
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 2.2 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

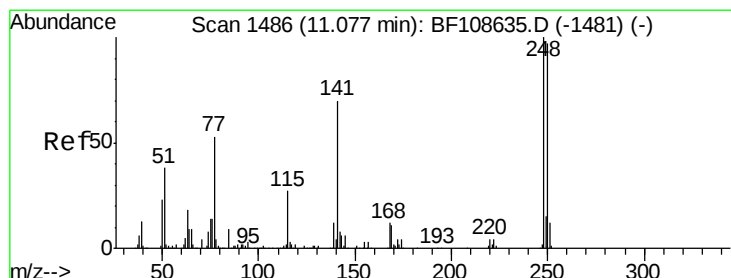
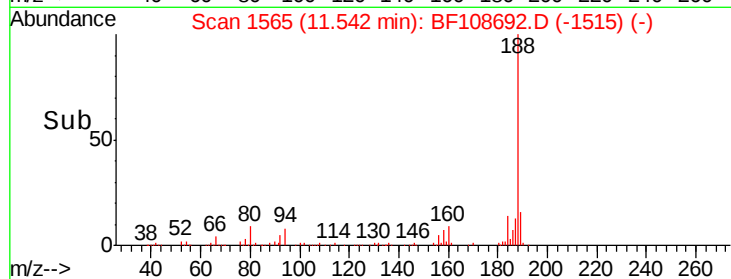
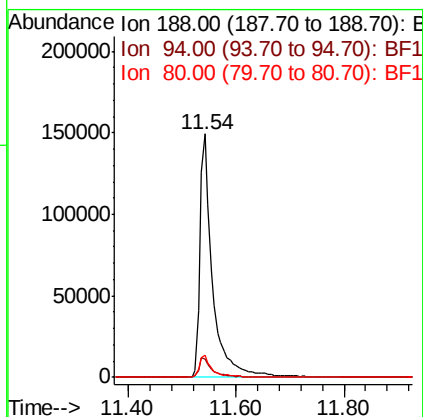
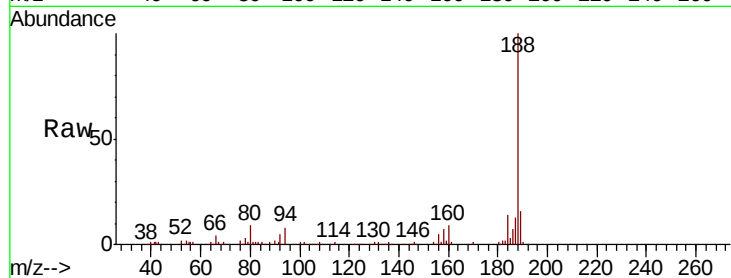




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108692.D
 Acq: 31 Aug 2018 16:40

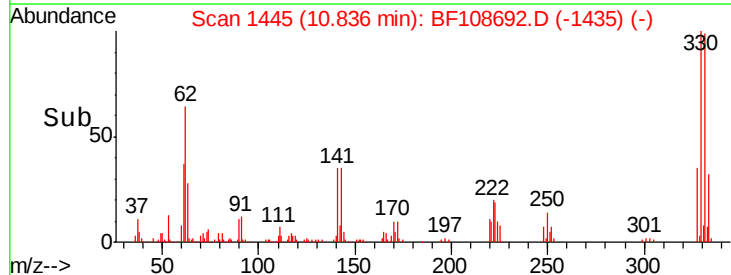
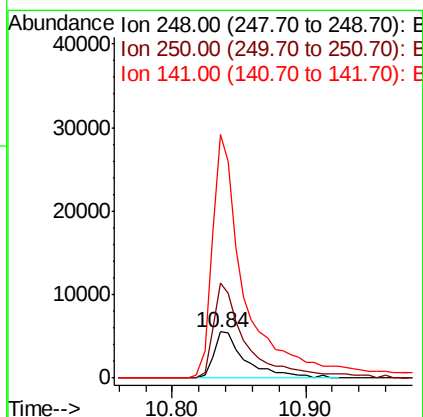
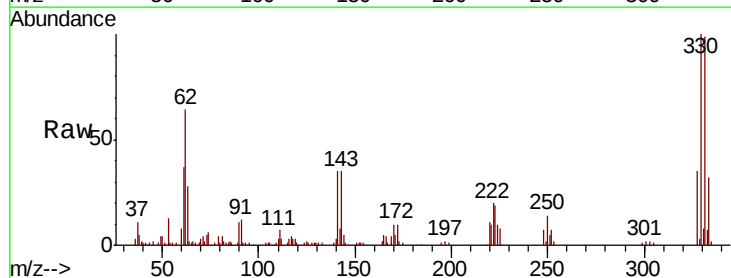
Instrument :
 BNA_F
 ClientSampleId :

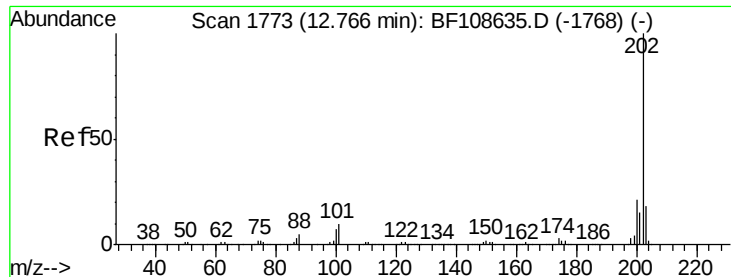
Tot Ion:188 Resp: 242958
 Ion Ratio Lower Upper
 188 100
 94 7.5 8.5 12.7#
 80 9.0 9.2 13.8#



#66
 4-Bromophenyl-phenylether
 Concen: 3.108 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.24 min
 Lab File: BF108692.D
 Acq: 31 Aug 2018 16:40

Tgt Ion:248 Resp: 9281
 Ion Ratio Lower Upper
 248 100
 250 207.6 76.9 115.3#
 141 530.5 74.4 111.6#





#74

Fluoranthene

Concen: 3.823 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108692.D

Acq: 31 Aug 2018 16:40

Instrument :

BNA_F

ClientSampleId :

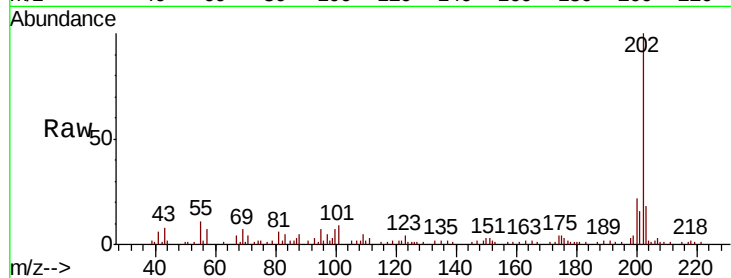
Tot Ion:202 Resp: 52772

Ion Ratio Lower Upper

202 100

101 9.0 0.0 34.1

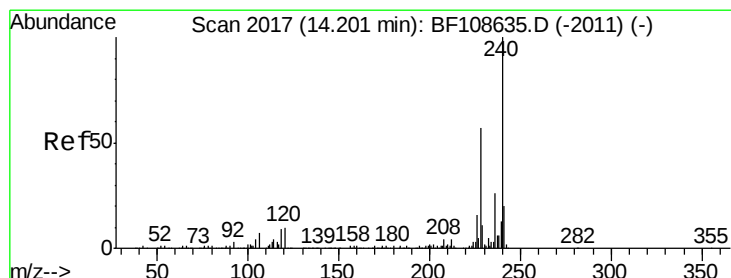
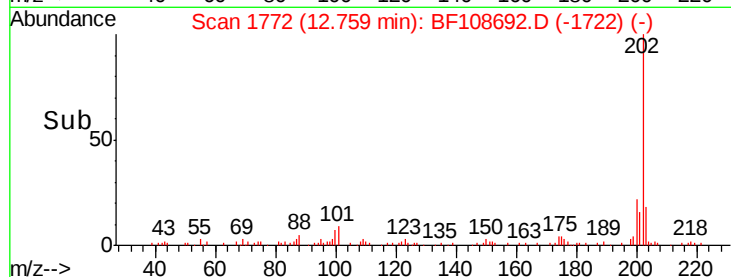
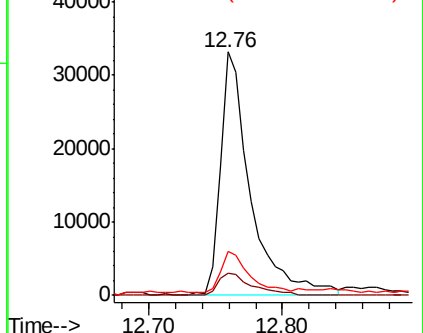
203 17.8 0.0 38.1



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: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108692.D

Acq: 31 Aug 2018 16:40

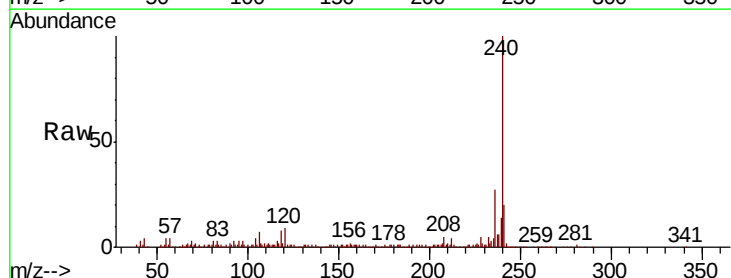
Tgt Ion:240 Resp: 229246

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

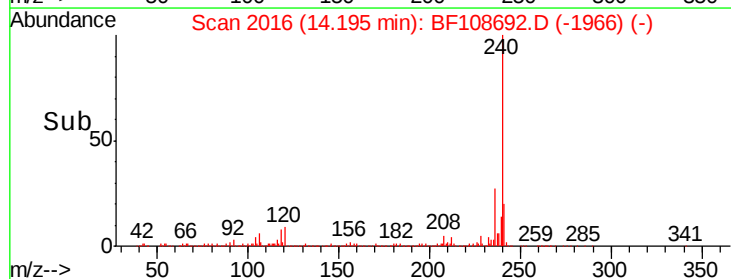
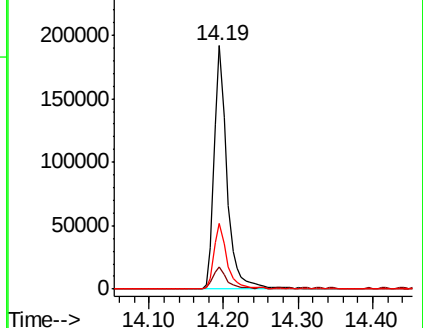
236 26.8 20.7 31.1

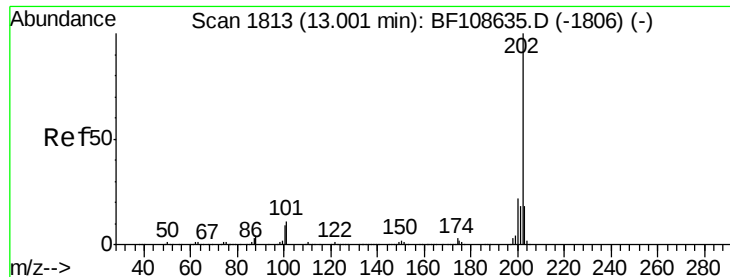


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.370 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108692.D

Acq: 31 Aug 2018 16:40

Instrument :

BNA_F

ClientSampleId :

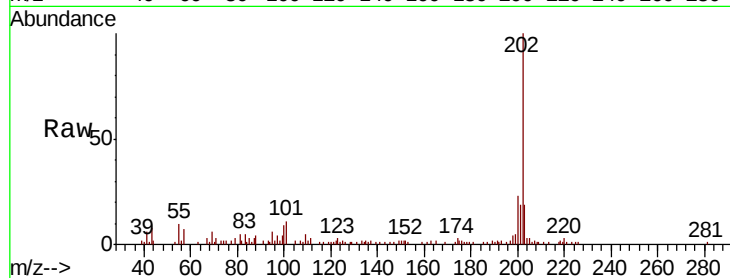
Tot Ion:202 Resp: 58082

Ion Ratio Lower Upper

202 100

200 23.4 17.4 26.2

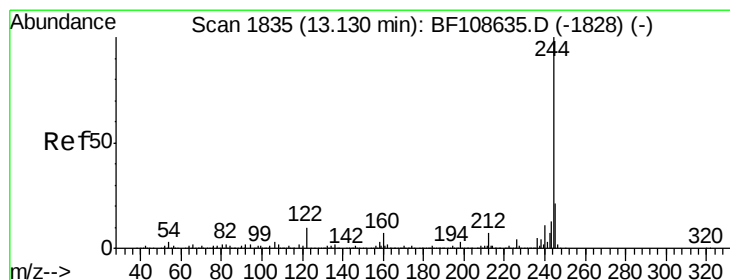
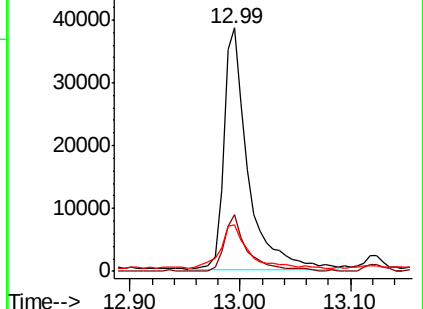
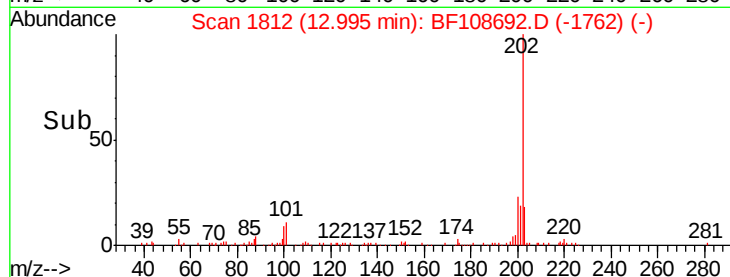
203 19.2 14.3 21.5



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: 61.368 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108692.D

Acq: 31 Aug 2018 16:40

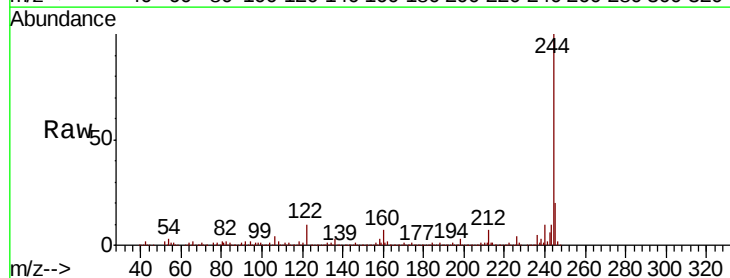
Tgt Ion:244 Resp: 724071

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

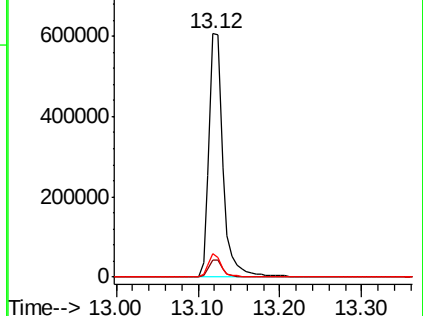
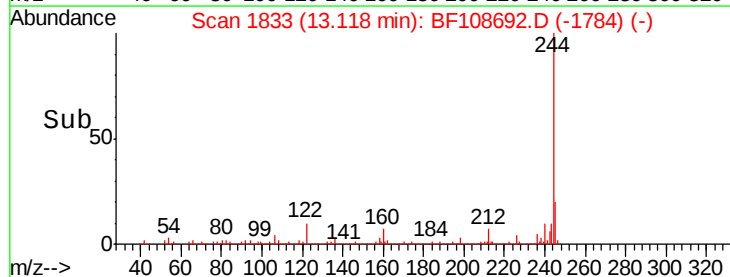
122 9.8 11.0 16.4#

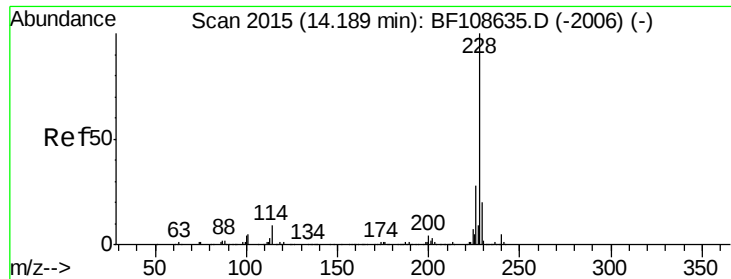


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

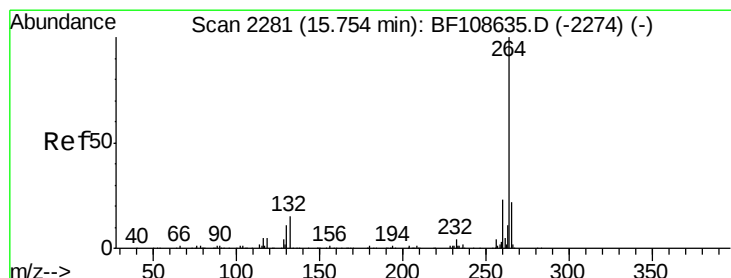
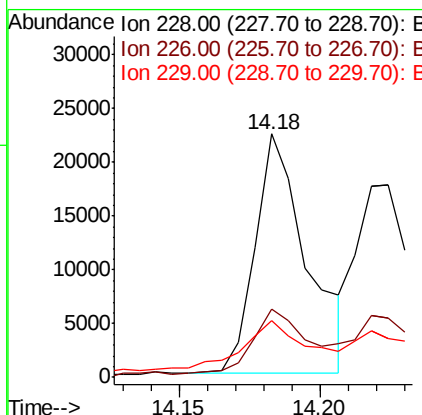
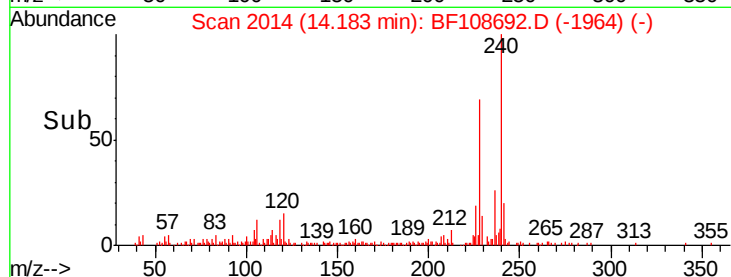
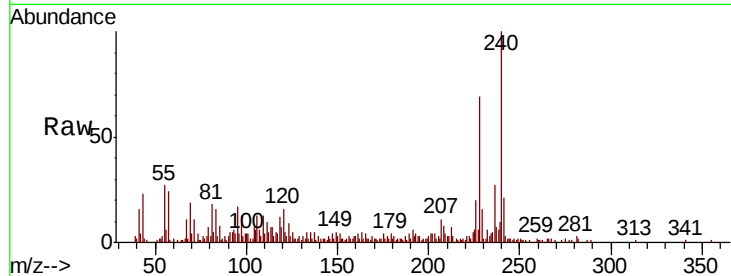




#80
Benzo(a)anthracene
Concen: 2.032 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108692.D
Acq: 31 Aug 2018 16:40

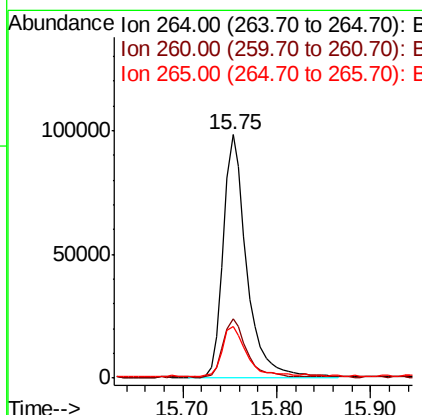
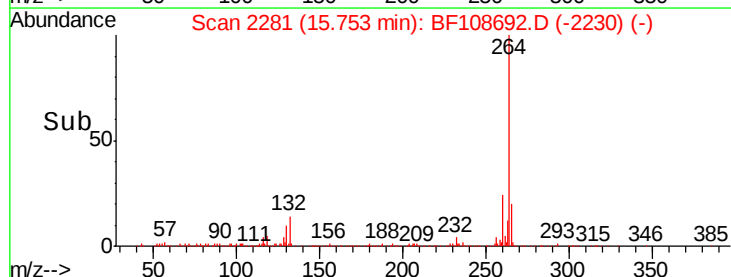
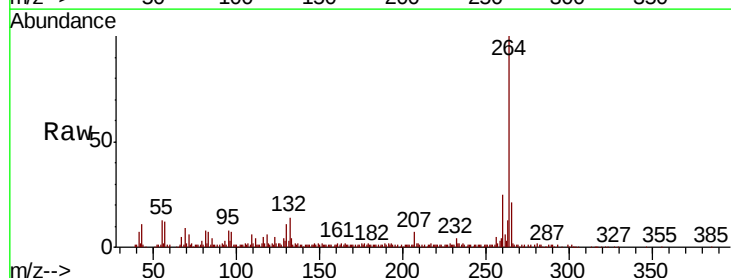
Instrument :
BNA_F
ClientSampleId :

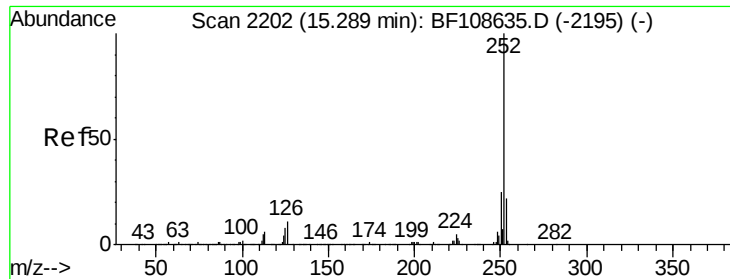
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	23.2	15.8	23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF108692.D
Acq: 31 Aug 2018 16:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 4.024 ng

RT: 15.29 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BF108692.D

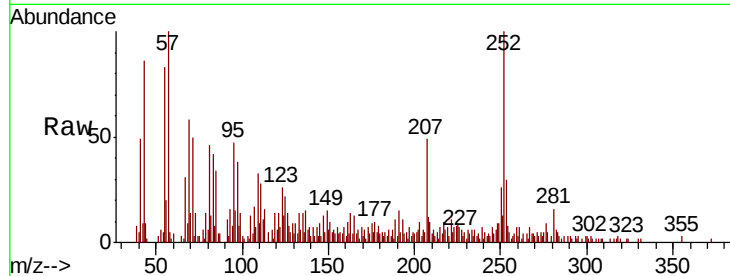
Acq: 31 Aug 2018 16:40

Instrument :

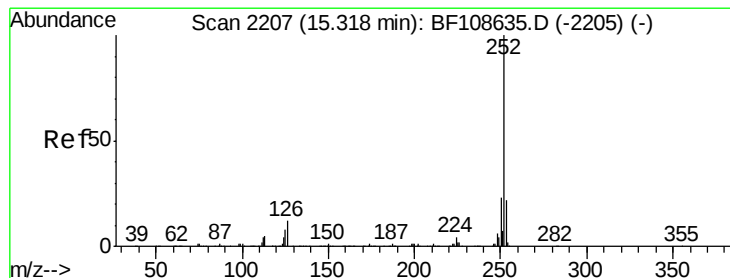
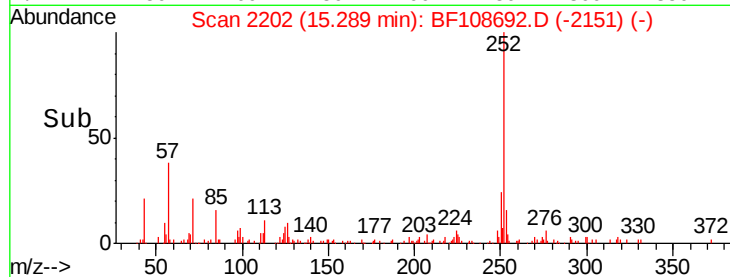
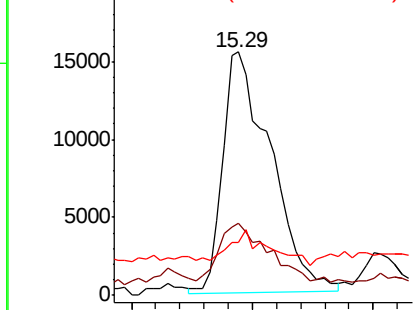
BNA_F

ClientSampleId :

Tot Ion:252	Resp:	42782
Ion Ratio	Lower	Upper
252	100	
253	29.8	17.0 25.6#
125	21.7	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: 4.063 ng

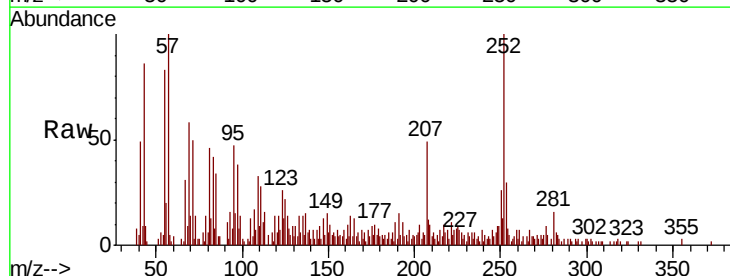
RT: 15.29 min Scan# 2202

Delta R.T. -0.03 min

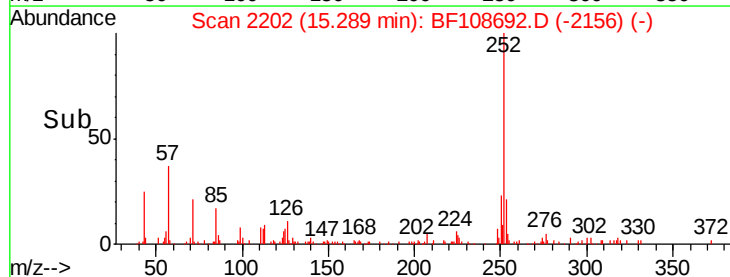
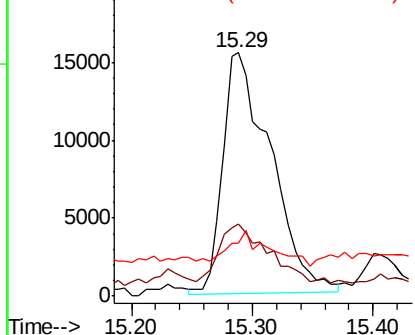
Lab File: BF108692.D

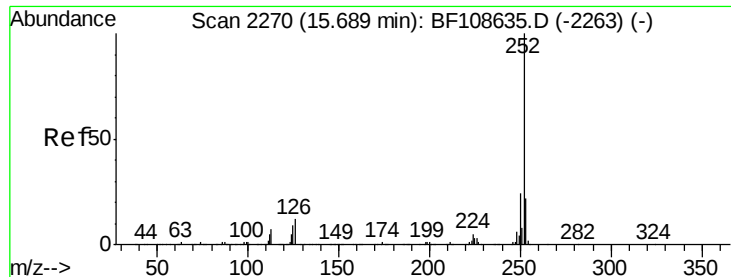
Acq: 31 Aug 2018 16:40

Tgt Ion:252	Resp:	42782
Ion Ratio	Lower	Upper
252	100	
253	29.8	17.9 26.9#
125	21.7	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: 2.121 ng

RT: 15.69 min Scan# 2270

Delta R.T. -0.00 min

Lab File: BF108692.D

Acq: 31 Aug 2018 16:40

Instrument :

BNA_F

ClientSampleId :

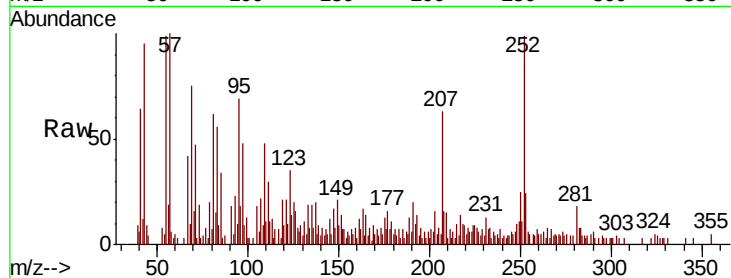
Tot Ion:252 Resp: 20375

Ion Ratio Lower Upper

252 100

253 24.2 17.1 25.7

125 20.5 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

