

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100918\
 Data File : BF109702.D
 Acq On : 9 Oct 2018 18:35
 Operator : JU/SJ
 Sample : J5201-01 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 19:04:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	87772	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	383683	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	165988	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	264794	20.00	ng	0.00
75) Chrysene-d12	13.83	240	217467	20.00	ng	0.00
86) Perylene-d12	15.23	264	188389	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	118421	23.95	ng	-0.01
7) Phenol-d6	6.34	99	248615	37.64	ng	-0.02
23) Nitrobenzene-d5	7.26	82	147055	21.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	60459	33.43	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	323548	26.85	ng	-0.01
78) Terphenyl-d14	12.78	244	239705	21.34	ng	0.00

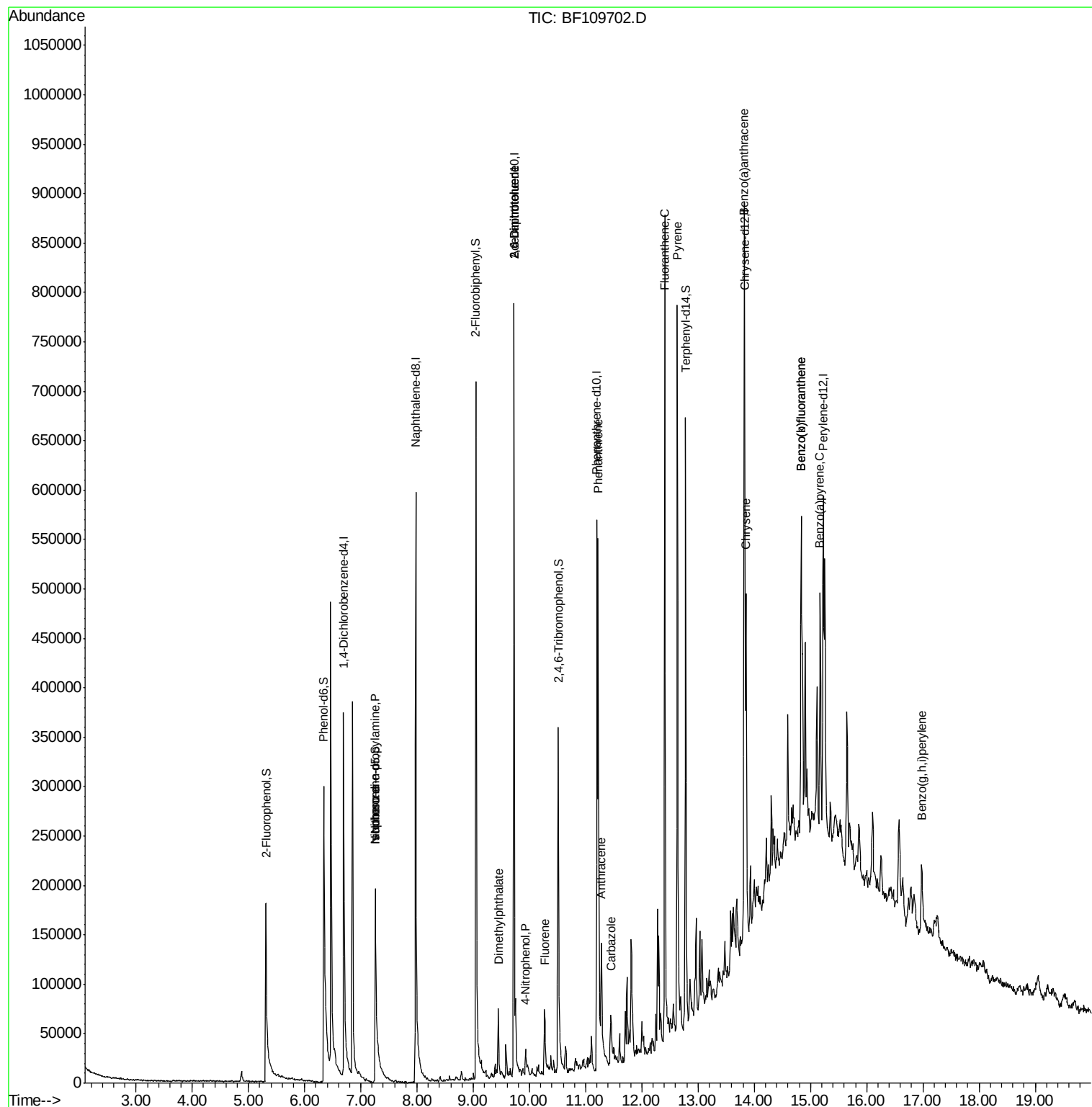
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.26	70	19824	4.279	ng	# 80
25) Isophorone	7.26	82	147055	12.723	ng	# 67
49) Dimethylphthalate	9.45	163	33938	2.788	ng	99
50) 2,6-Dinitrotoluene	9.72	165	21301	8.072	ng	# 22
55) 4-Nitrophenol	9.93	139	6815	4.209	ng	# 6
56) 2,4-Dinitrotoluene	9.72	165	21299	6.468	ng	# 18
57) Fluorene	10.27	166	29627	2.757	ng	97
70) Phenanthrene	11.23	178	250339	18.892	ng	98
71) Anthracene	11.28	178	82776	6.043	ng	98
72) Carbazole	11.45	167	41784	3.145	ng	96
74) Fluoranthene	12.41	202	414089	29.912	ng	97
77) Pvrene	12.63	202	332214	20.851	ng	98
80) Benzo(a)anthracene	13.82	228	174022	14.501	ng	97
82) Chrysene	13.85	228	157587	12.502	ng	96
87) Benzo(b)fluoranthene	14.83	252	248502	23.870	ng	96
88) Benzo(k)fluoranthene	14.83	252	248502	23.757	ng	# 95
89) Benzo(a)pvrene	15.17	252	128654	13.618	ng	96
91) Benzo(g,h,i)perylene	16.98	276	64844	8.369	ng	99

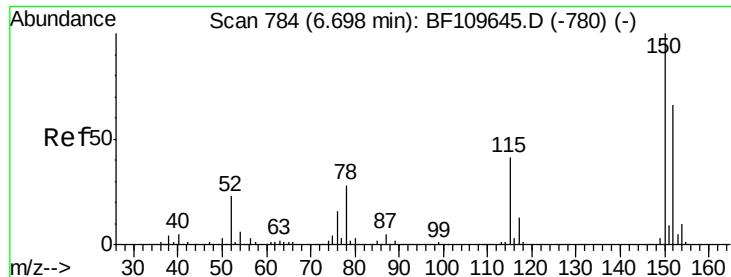
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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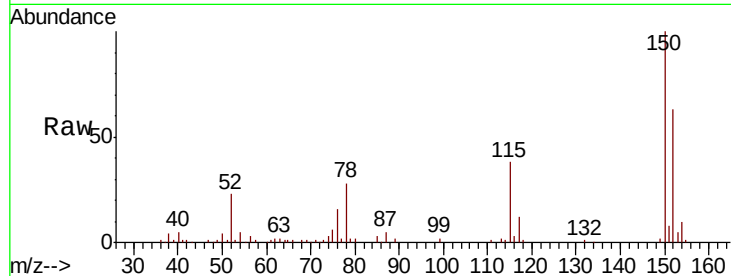


#1

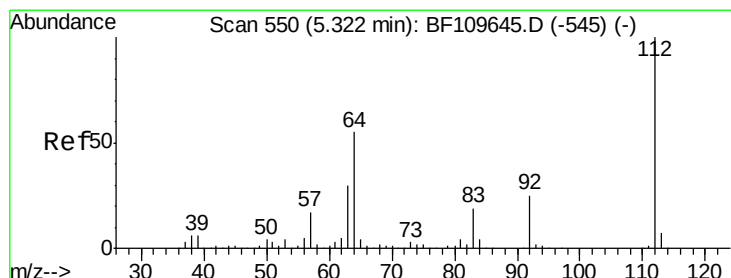
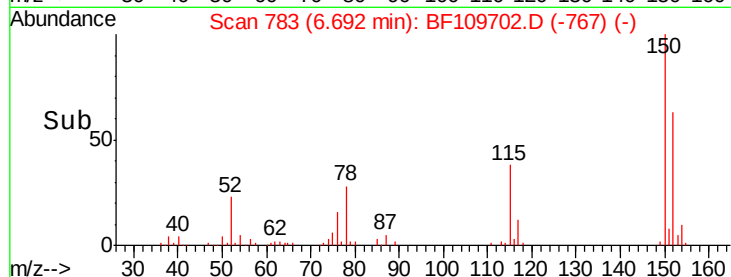
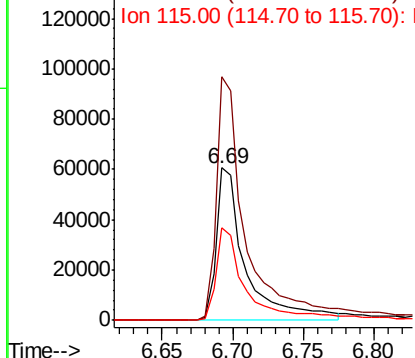
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 87772
Ion Ratio Lower Upper
152 100
150 159.5 122.7 184.1
115 61.0 49.1 73.7



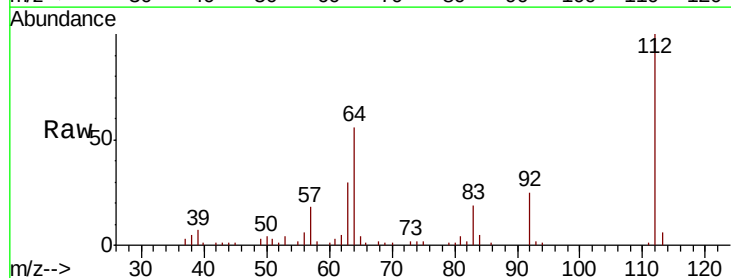
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



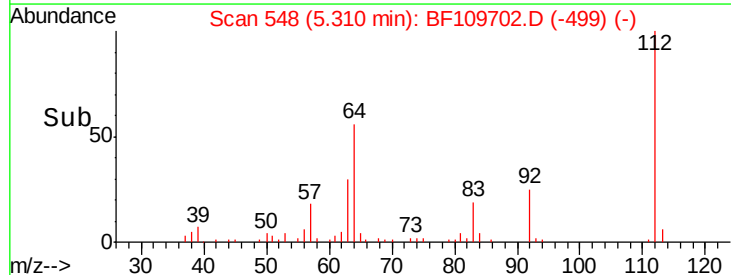
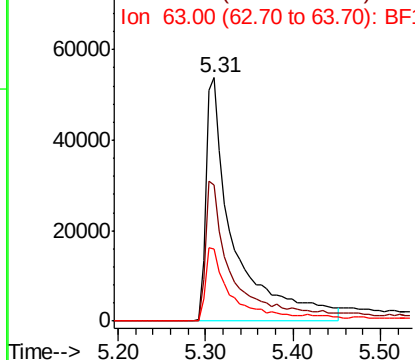
#5

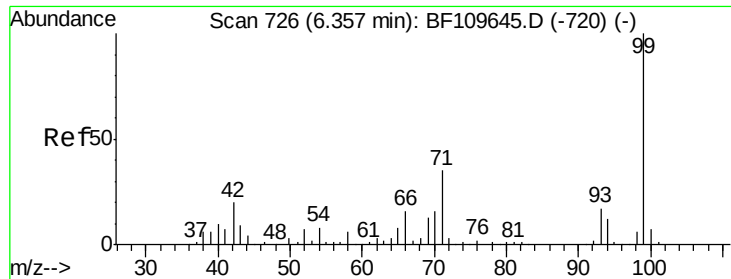
2-Fluorophenol
Concen: 23.949 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Tgt Ion:112 Resp: 118421
Ion Ratio Lower Upper
112 100
64 55.6 44.1 66.1
63 29.5 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: 37.636 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

Instrument :

BNA_F

ClientSampleId :

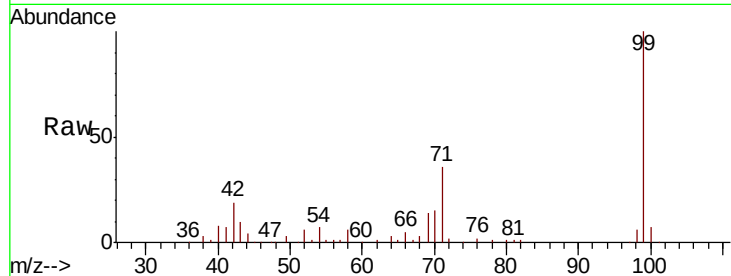
Tot Ion: 99 Resp: 248615

Ion Ratio Lower Upper

99 100

42 19.3 15.8 23.6

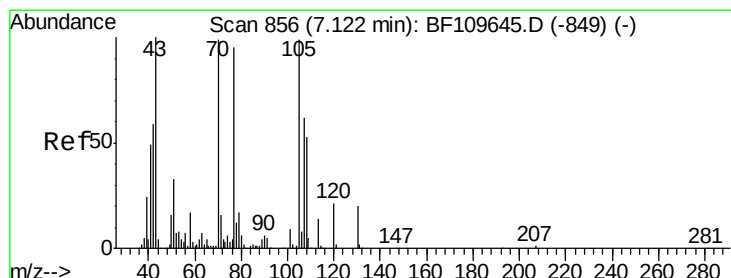
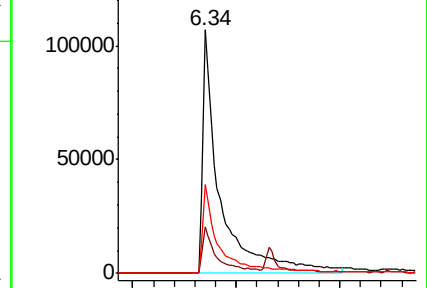
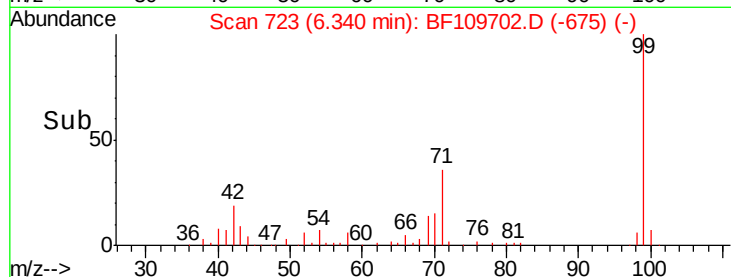
71 36.3 28.0 42.0



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: 4.279 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

Tgt Ion: 70 Resp: 19824

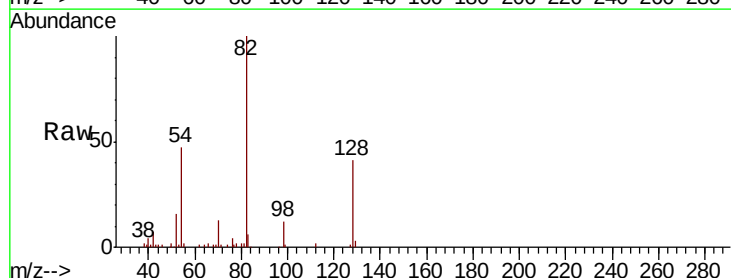
Ion Ratio Lower Upper

70 100

42 51.1 47.4 71.2

101 0.0 7.3 10.9#

130 0.0 16.2 24.2#

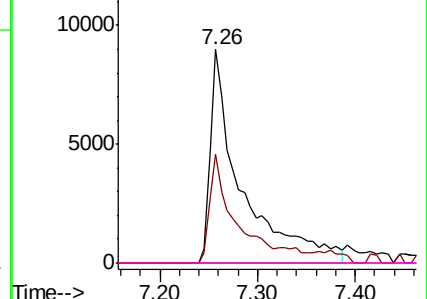
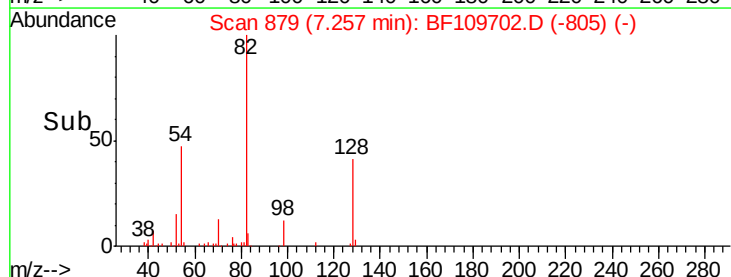


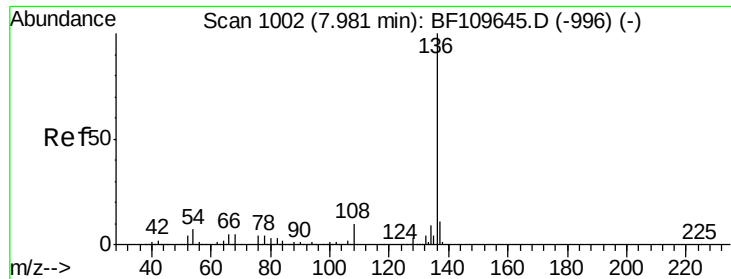
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

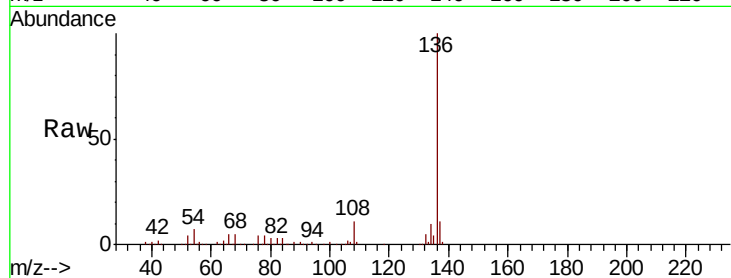




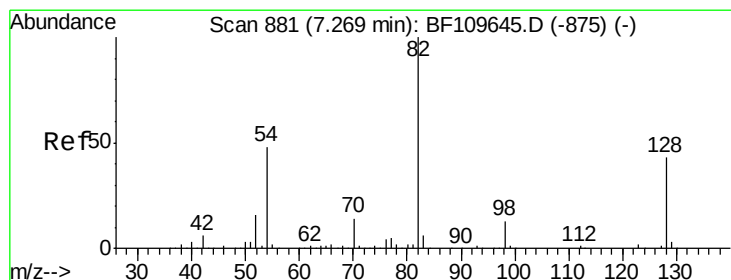
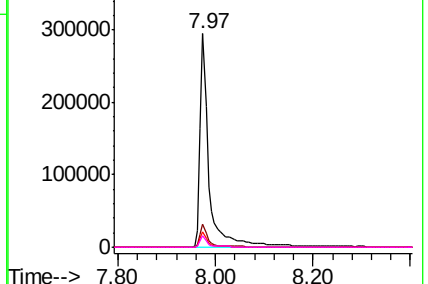
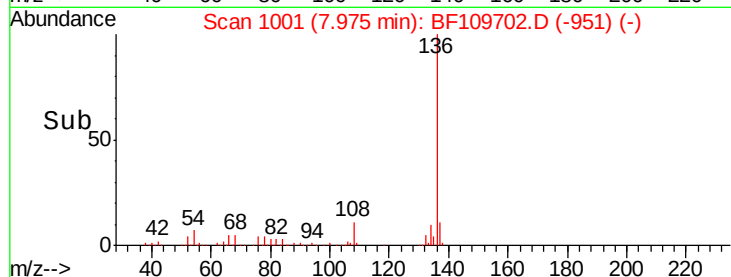
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Instrument :
BNA_F
ClientSampled :

Tot Ion:136 Resp: 383683
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.9 5.4 8.2
68 5.1 4.2 6.2

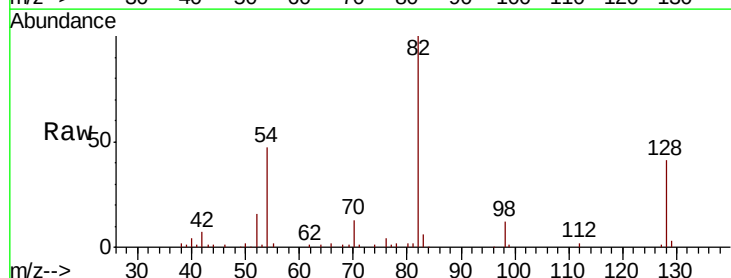


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

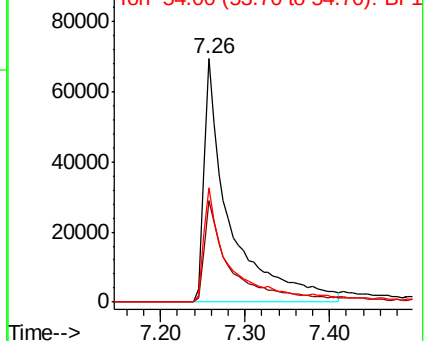
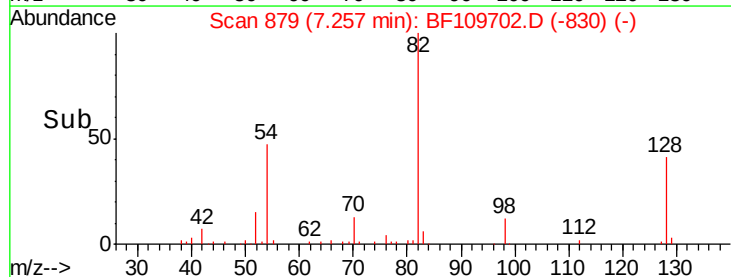


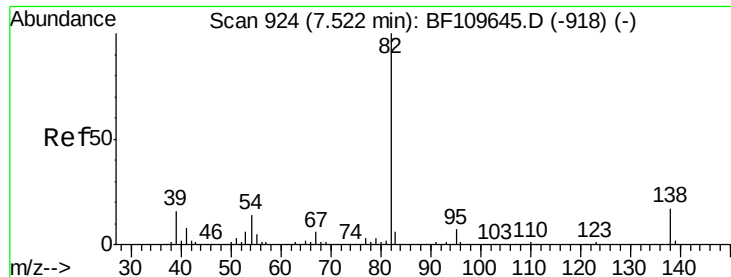
#23
Nitrobenzene-d5
Concen: 21.127 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Tgt Ion: 82 Resp: 147055
Ion Ratio Lower Upper
82 100
128 41.4 34.2 51.2
54 47.0 38.6 58.0



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: 12.723 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

Instrument :

BNA_F

ClientSampled :

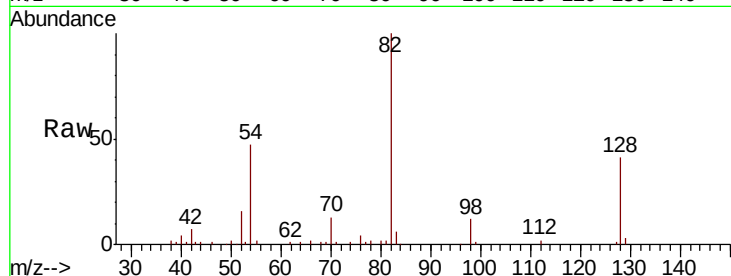
Tot Ion: 82 Resp: 147055

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

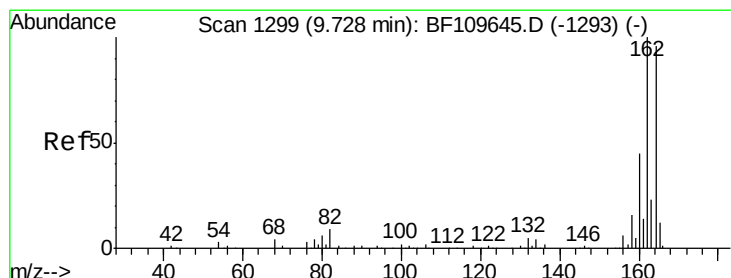
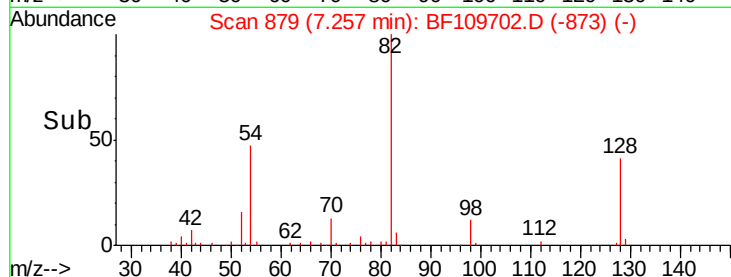
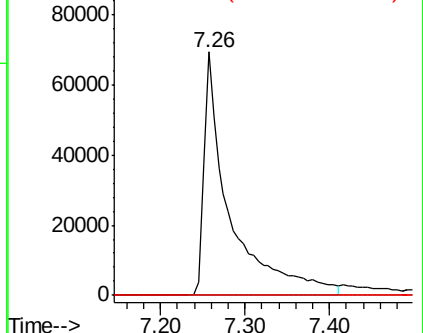
138 0.0 13.2 19.8#



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: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

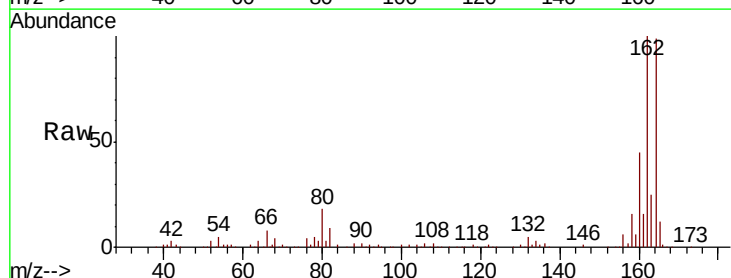
Tgt Ion:164 Resp: 165988

Ion Ratio Lower Upper

164 100

162 100.8 83.0 124.6

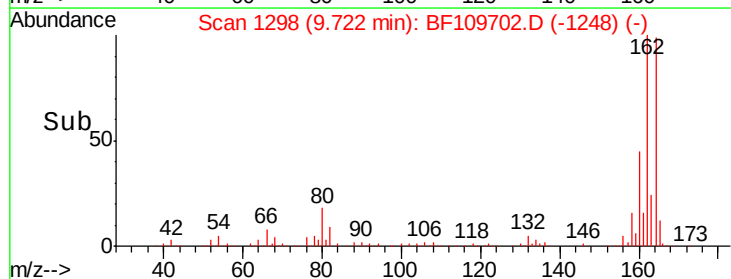
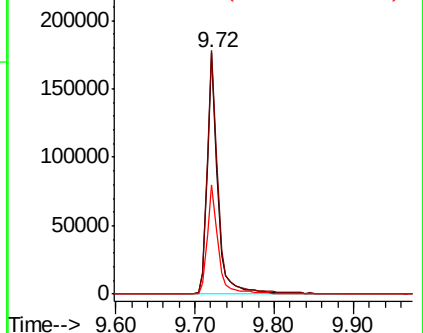
160 45.3 37.0 55.6

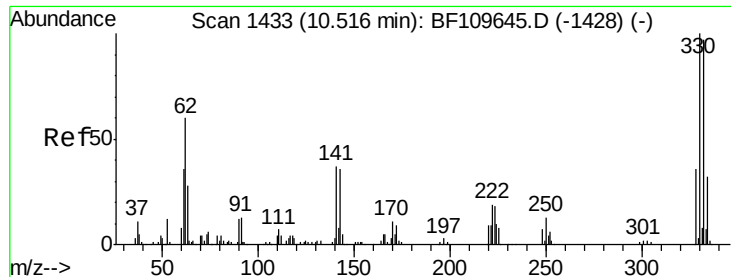


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

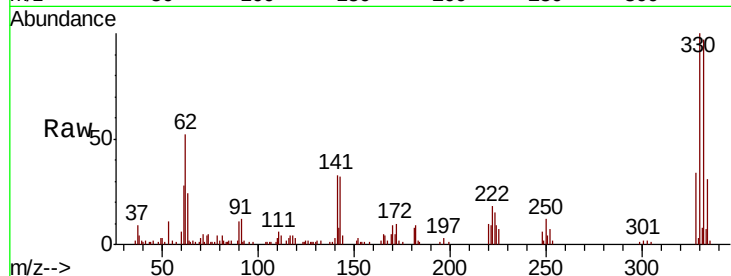




#41
 2,4,6-Tribromophenol
 Concen: 33.428 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109702.D
 Acq: 9 Oct 2018 18:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	330	Resp	60459
Ion Ratio	100		
Lower	77.1		
Upper	115.7		
332	95.4		
141	37.2		
	27.0		
	40.4		

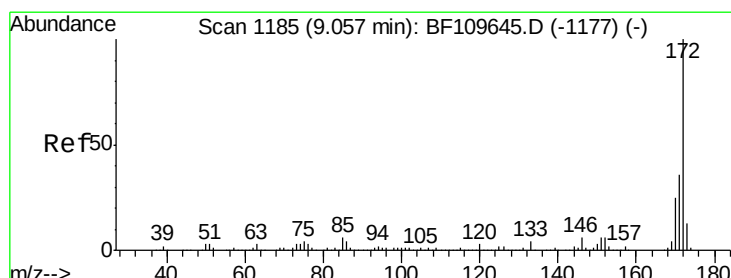
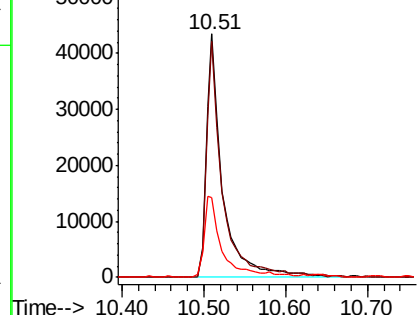
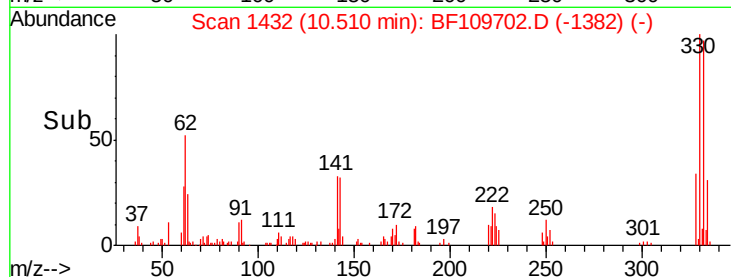


Abundance

Ion 329.80 (329.50 to 330.50): E

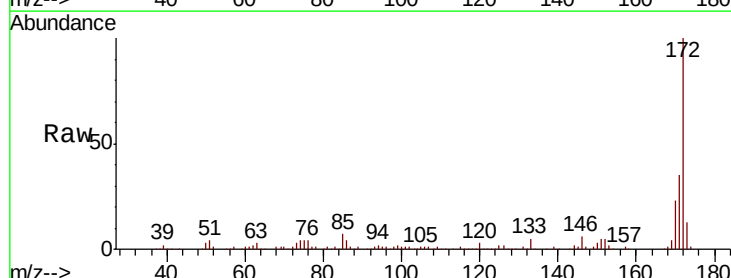
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 26.846 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF109702.D
 Acq: 9 Oct 2018 18:35

Tgt Ion	172	Resp	323548
Ion Ratio	100		
Lower	28.6		
Upper	43.0		
171	34.7		
170	22.9		
	19.7		
	29.5		

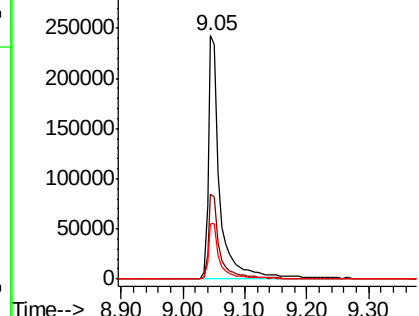
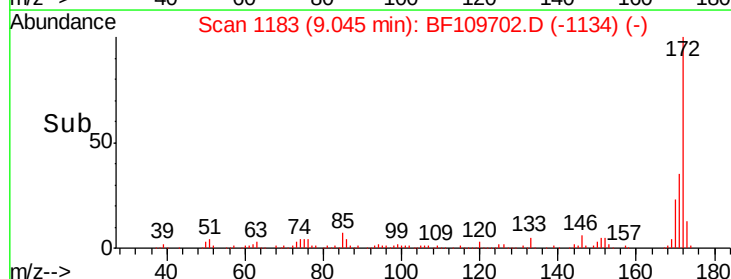


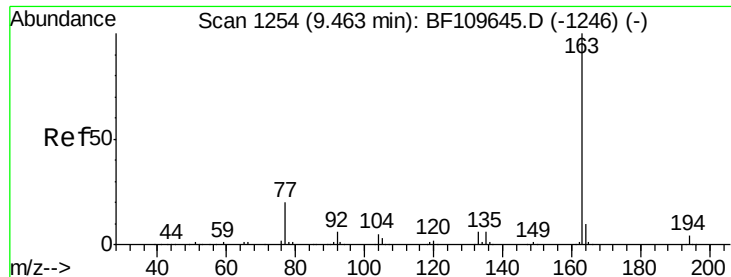
Abundance

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

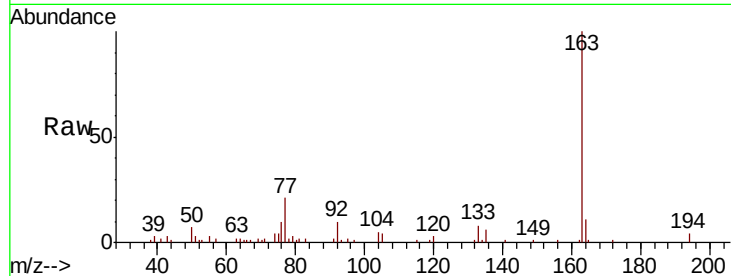




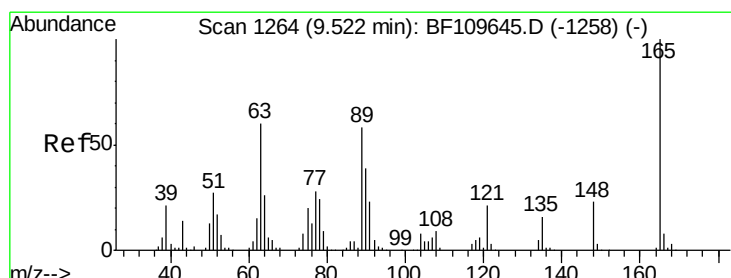
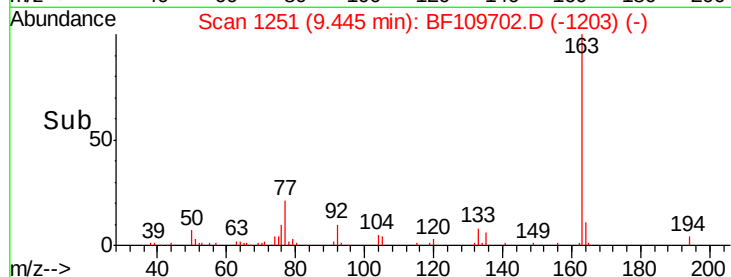
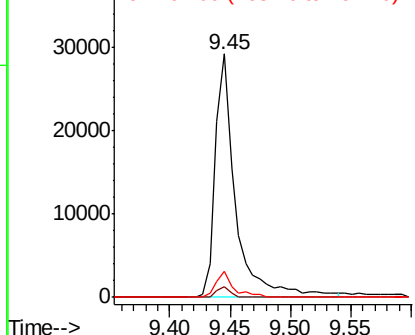
#49
Dimethylphthalate
Concen: 2.788 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 33938
Ion Ratio Lower Upper
163 100
194 4.3 3.2 4.8
164 10.7 8.1 12.1

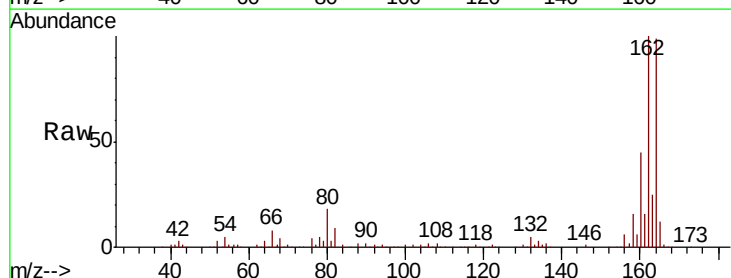


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

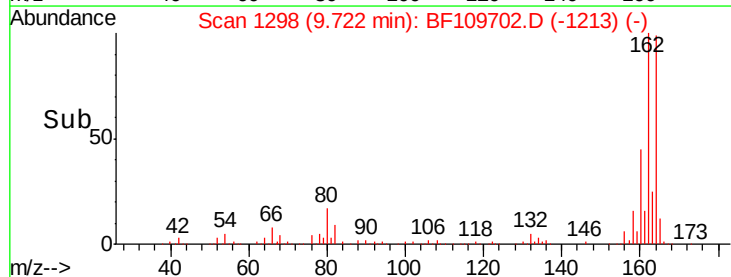
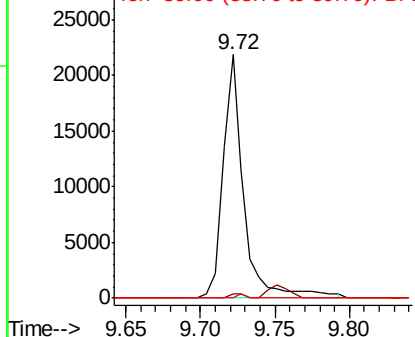


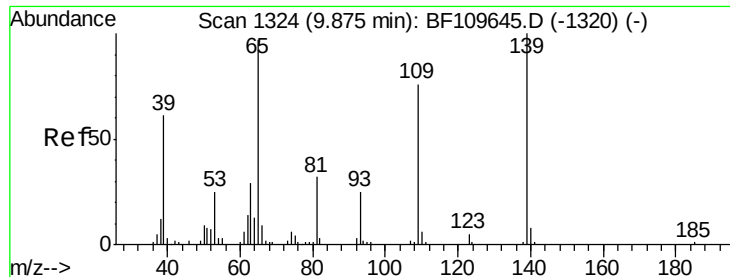
#50
2,6-Dinitrotoluene
Concen: 8.072 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.20 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Tgt Ion:165 Resp: 21301
Ion Ratio Lower Upper
165 100
63 1.9 48.9 73.3#
89 0.0 46.6 69.8#



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





#55

4-Nitrophenol

Concen: 4.209 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.06 min

Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

Instrument :

BNA_F

ClientSampleId :

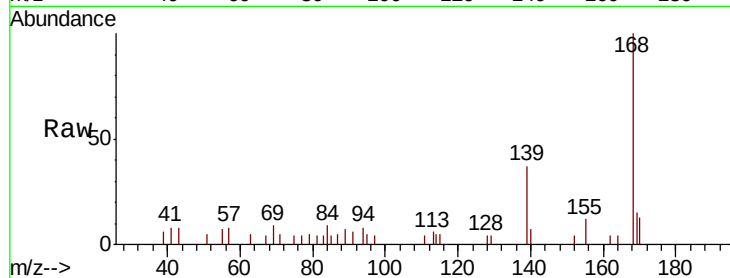
Tot Ion:139 Resp: 6815

Ion Ratio Lower Upper

139 100

109 0.0 55.8 95.8#

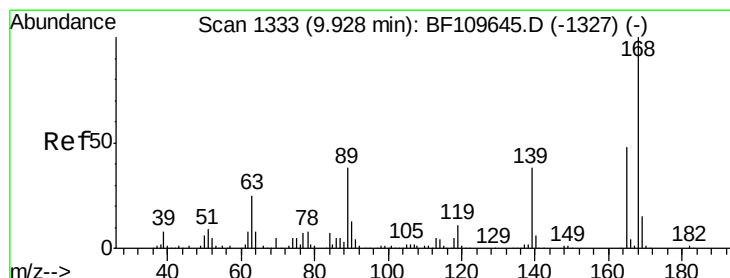
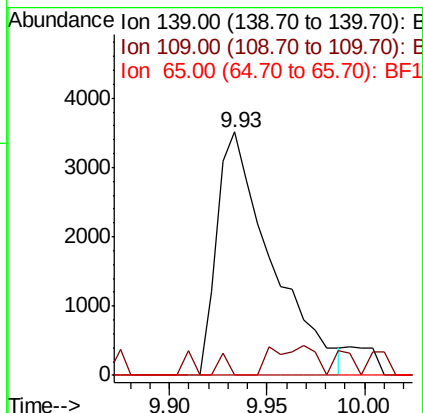
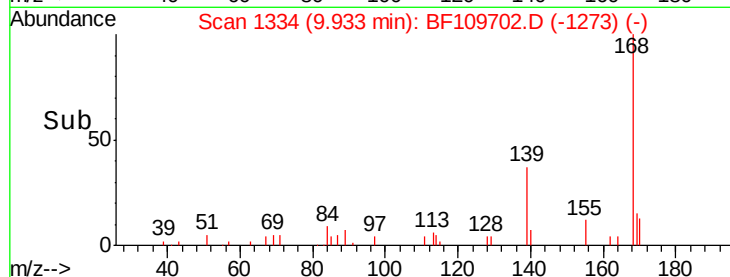
65 0.0 77.9 117.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 6.468 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.21 min

Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

Tgt Ion:165 Resp: 21299

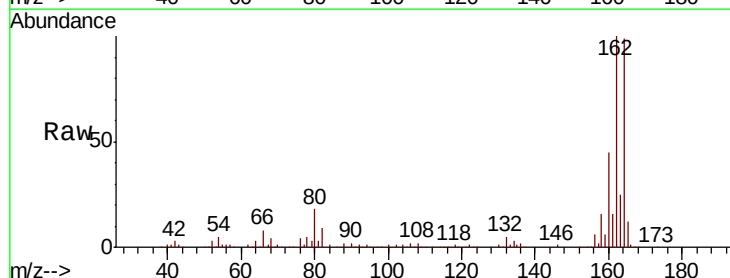
Ion Ratio Lower Upper

165 100

63 1.9 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

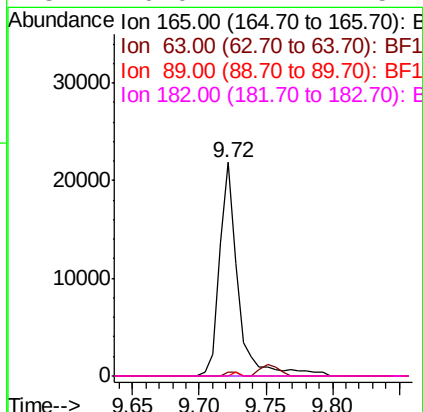
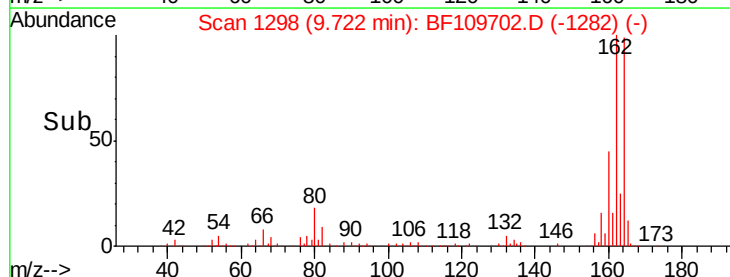


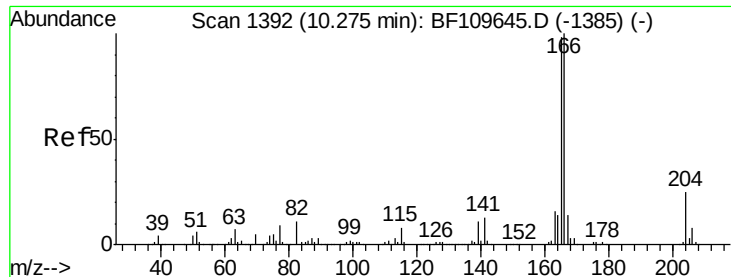
Abundance Ion 165.00 (164.70 to 165.70): E

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

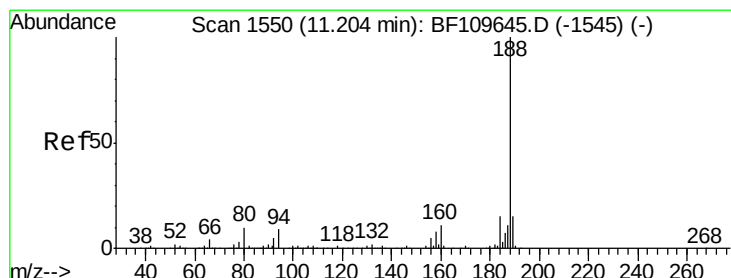
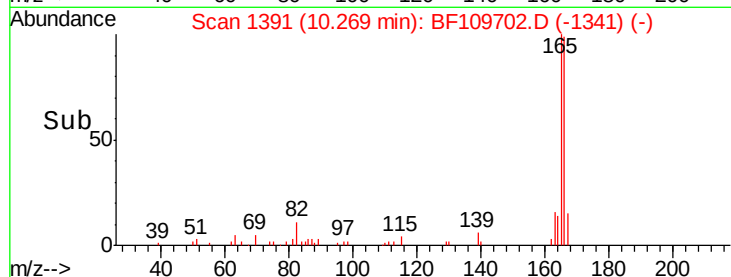
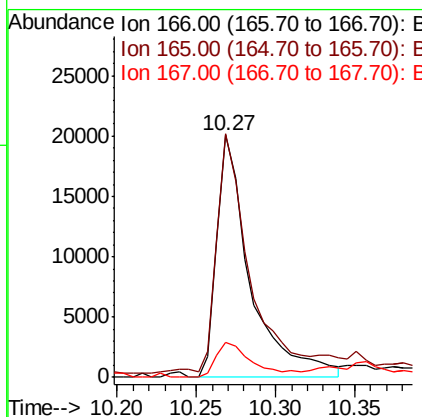
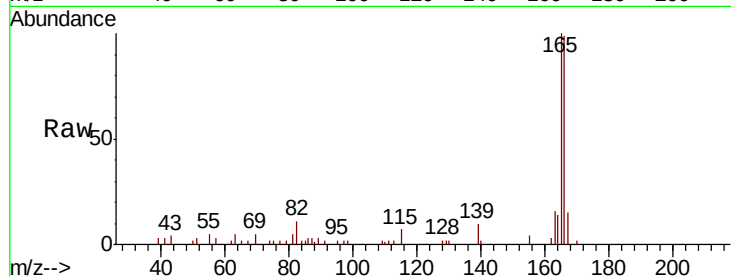




#57
 Fluorene
 Concen: 2.757 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF109702.D
 Acq: 9 Oct 2018 18:35

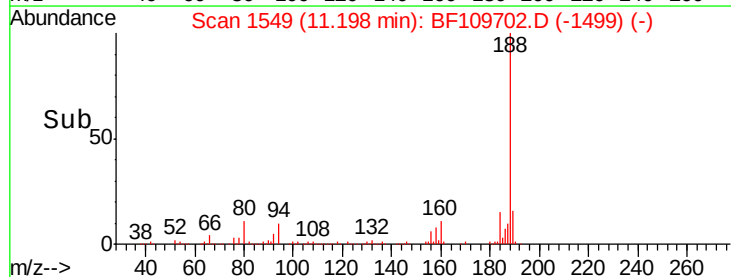
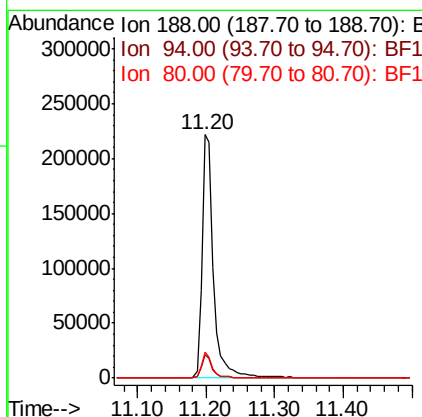
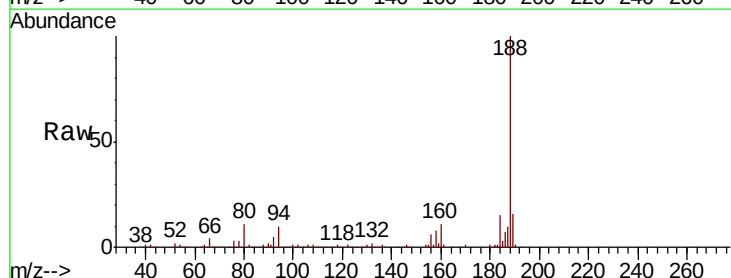
Instrument :
 BNA_F
 ClientSampleId :

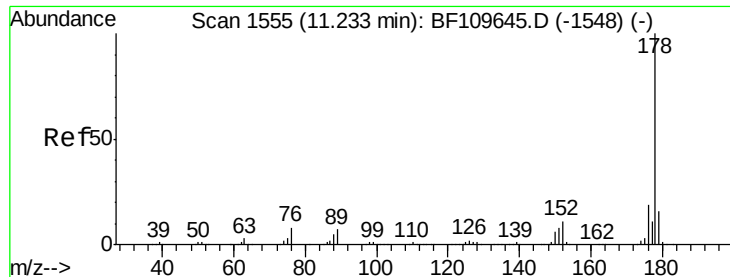
Tot Ion:166 Resp: 29627
 Ion Ratio Lower Upper
 166 100
 165 100.7 78.6 117.8
 167 14.7 10.8 16.2



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF109702.D
 Acq: 9 Oct 2018 18:35

Tgt Ion:188 Resp: 264794
 Ion Ratio Lower Upper
 188 100
 94 9.7 7.2 10.8
 80 10.6 7.9 11.9

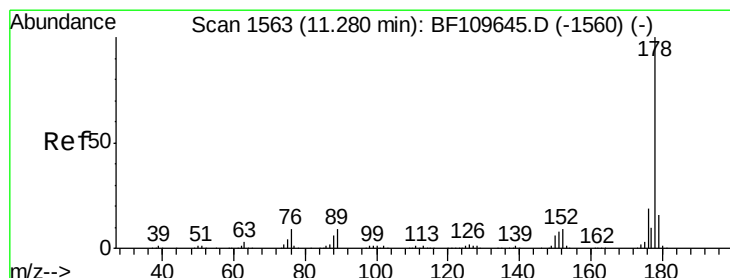
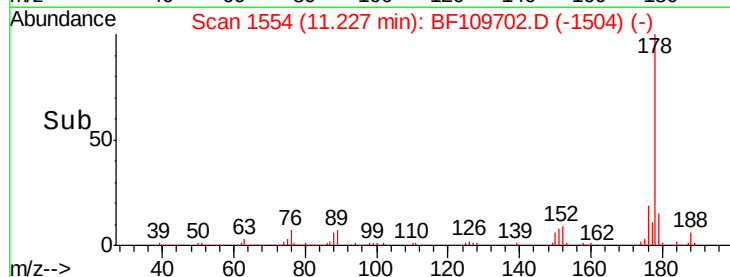
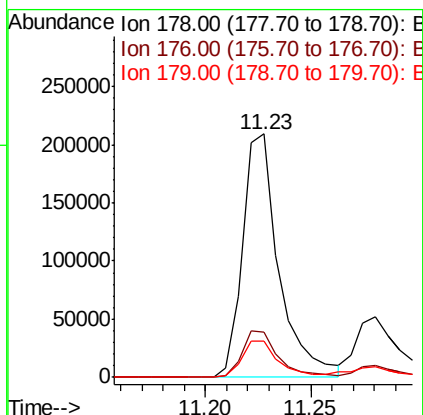
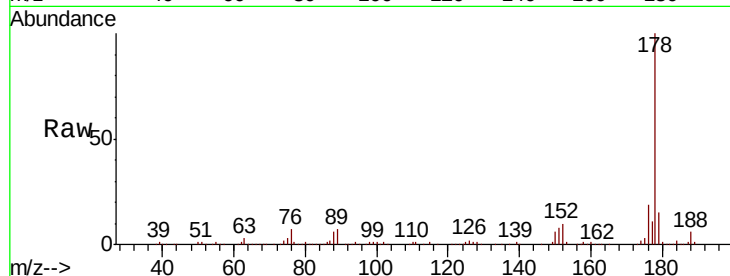




#70
 Phenanthrene
 Concen: 18.892 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF109702.D
 Acq: 9 Oct 2018 18:35

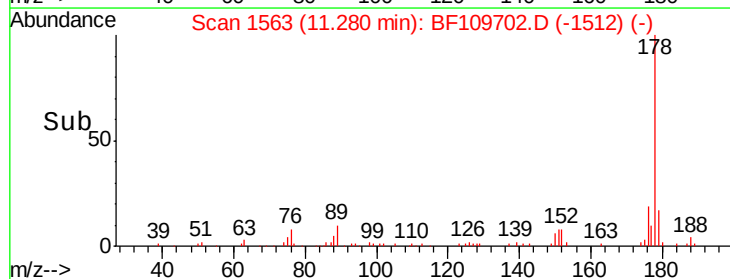
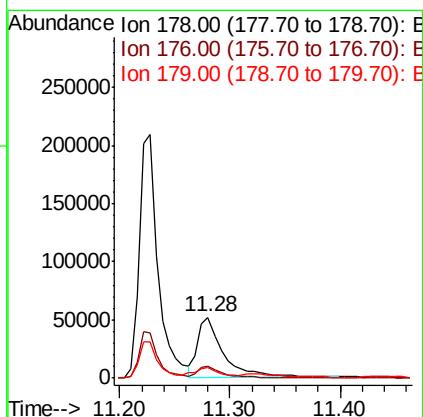
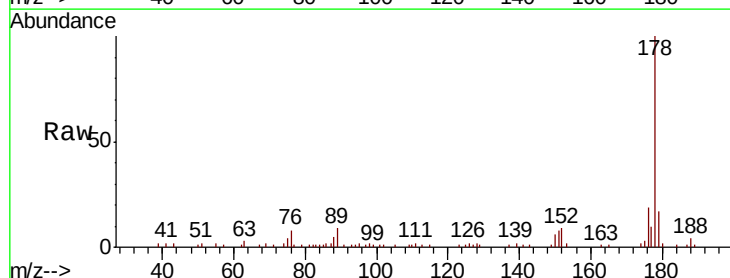
Instrument :
 BNA_F
 ClientSampled :

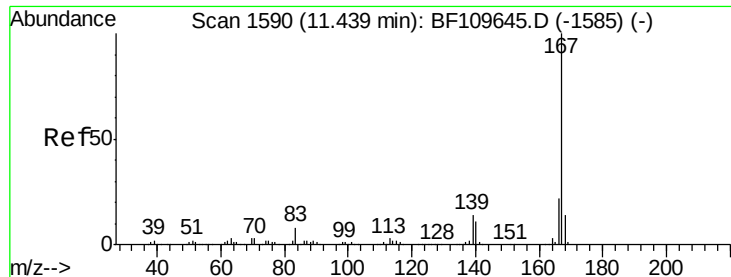
Tot Ion:178 Resp: 250339
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.5 23.3
 179 14.8 12.5 18.7



#71
 Anthracene
 Concen: 6.043 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: BF109702.D
 Acq: 9 Oct 2018 18:35

Tgt Ion:178 Resp: 82776
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 17.0 12.6 18.8





#72

Carbazole

Concen: 3.145 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.01 min

Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

Instrument :

BNA_F

ClientSampleId :

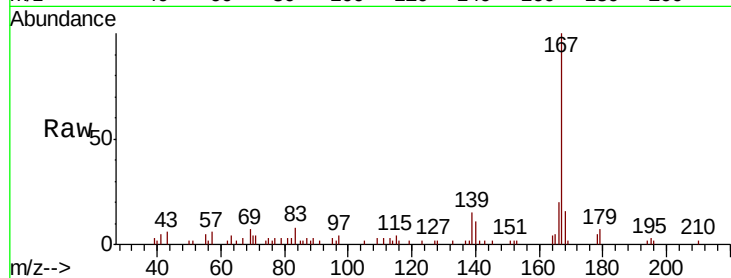
Tot Ion:167 Resp: 41784

Ion Ratio Lower Upper

167 100

166 19.9 17.4 26.0

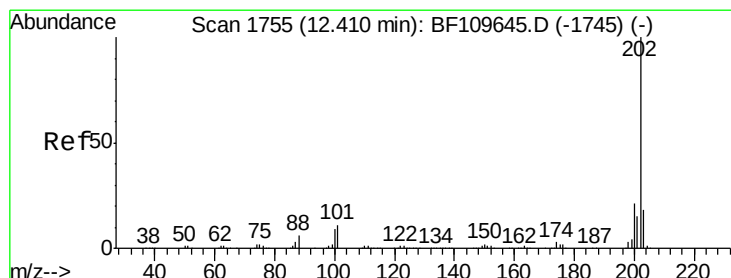
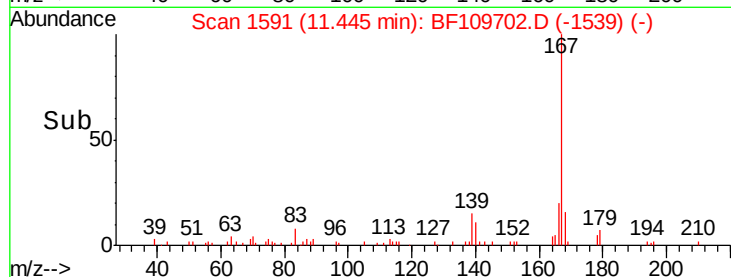
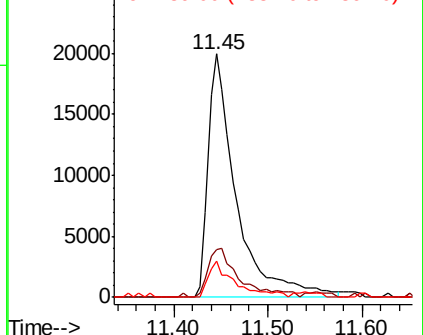
139 14.9 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 29.912 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.00 min

Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

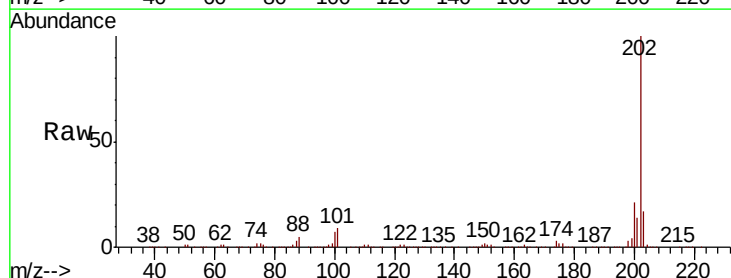
Tgt Ion:202 Resp: 414089

Ion Ratio Lower Upper

202 100

101 9.2 0.0 31.4

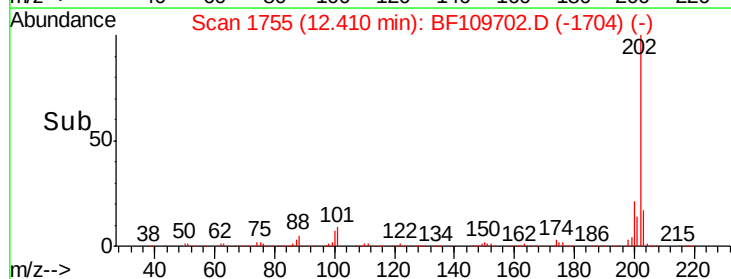
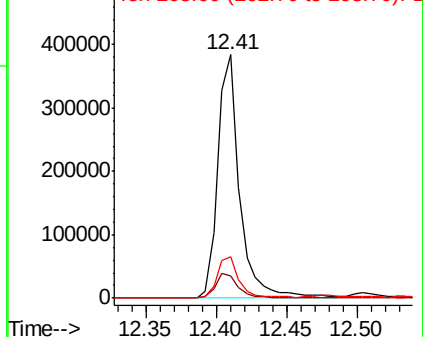
203 17.0 0.0 37.7

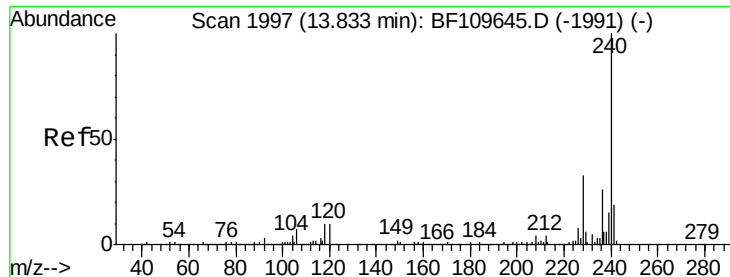


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

Instrument :

BNA_F

ClientSampled :

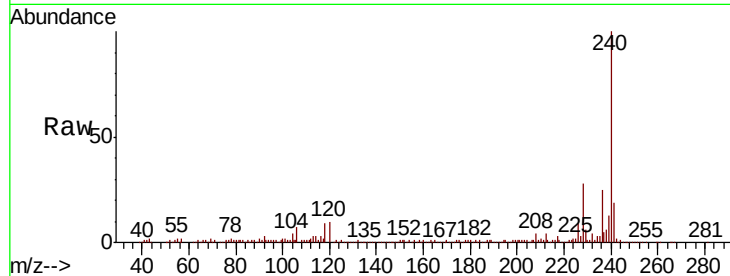
Tot Ion:240 Resp: 217467

Ion Ratio Lower Upper

240 100 8.3 12.5

120 10.3 21.2 31.8

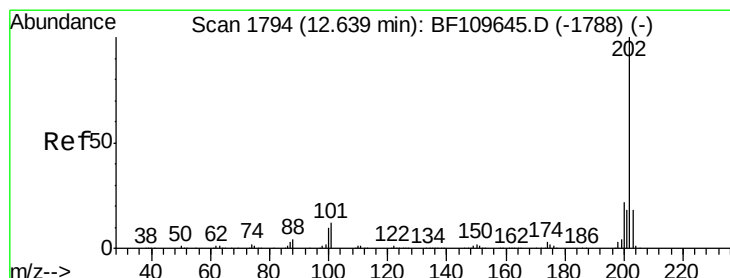
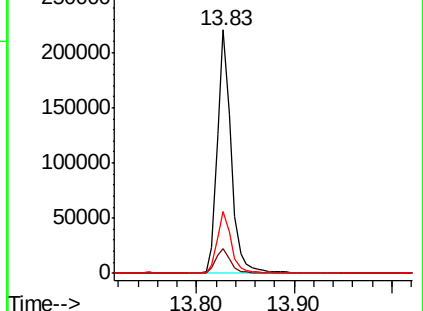
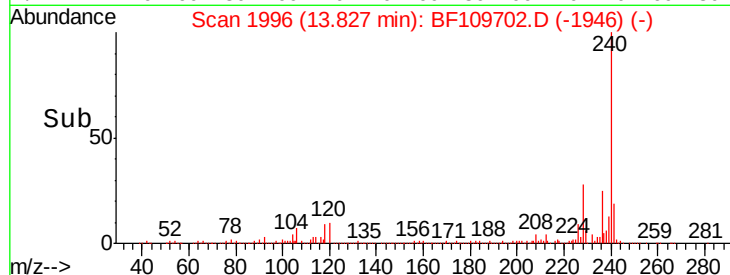
236 25.2



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: 20.851 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF109702.D

Acq: 9 Oct 2018 18:35

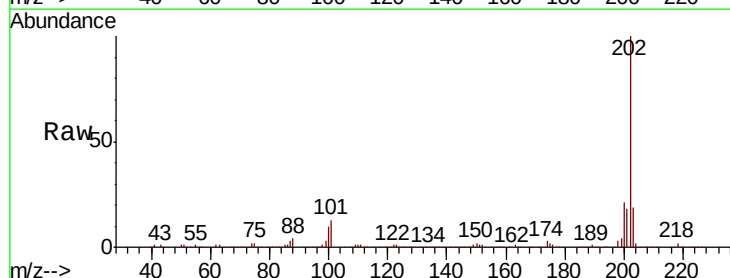
Tgt Ion:202 Resp: 332214

Ion Ratio Lower Upper

202 100 17.8 26.6

200 21.0 14.2 21.4

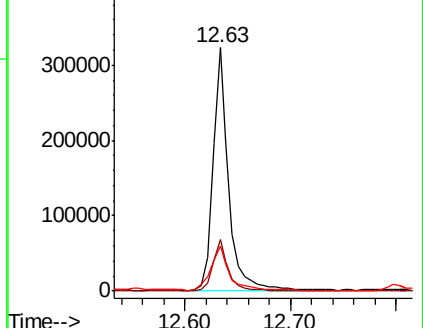
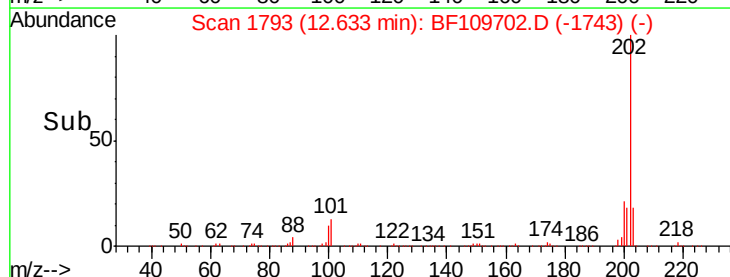
203 18.8

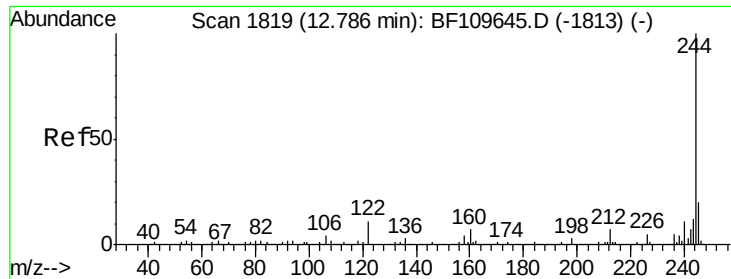


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

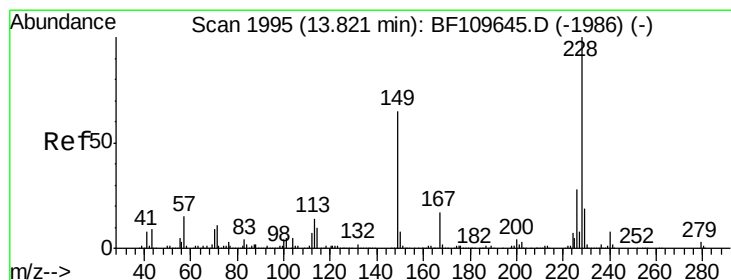
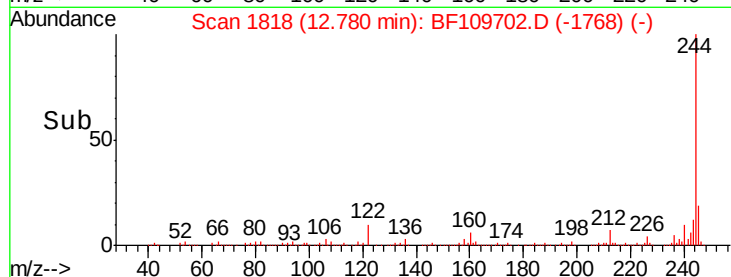
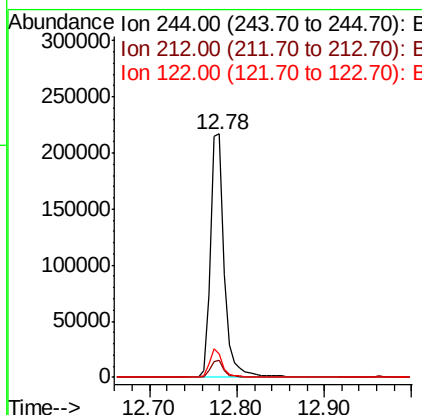
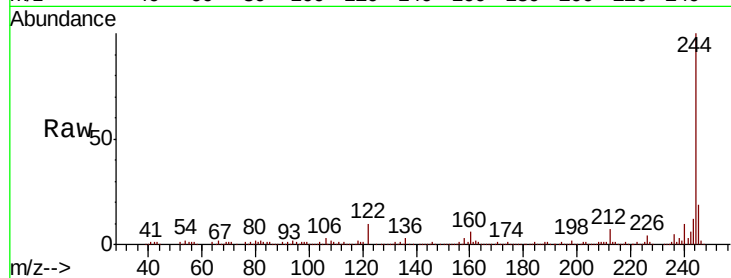




#78
 Terphenyl-d14
 Concen: 21.338 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109702.D
 Acq: 9 Oct 2018 18:35

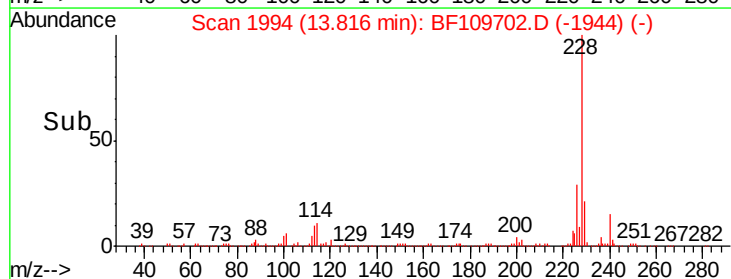
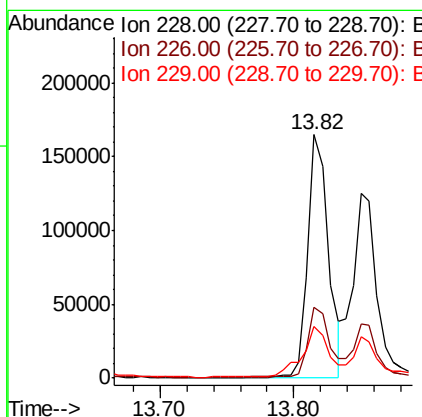
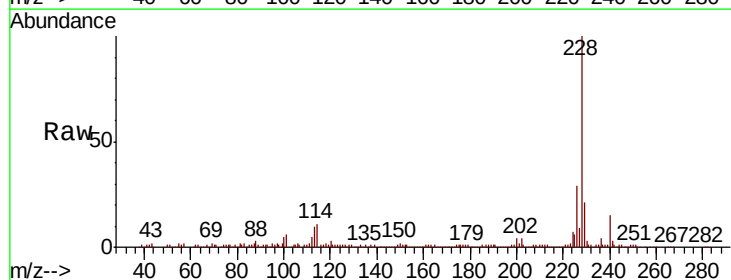
Instrument :
 BNA_F
 ClientSampled :

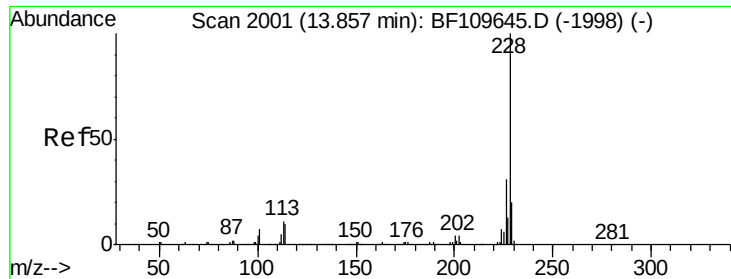
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	9.6	8.7	13.1



#80
 Benzo(a)anthracene
 Concen: 14.501 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BF109702.D
 Acq: 9 Oct 2018 18:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.1	33.1
229	21.0	15.6	23.4

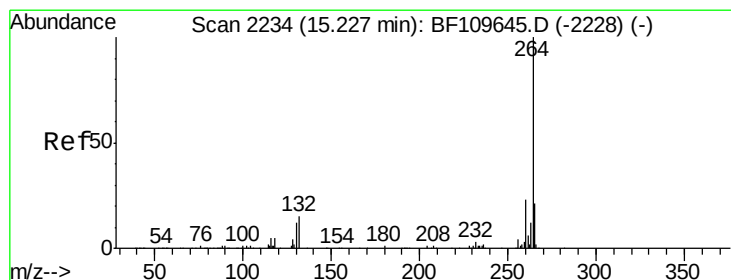
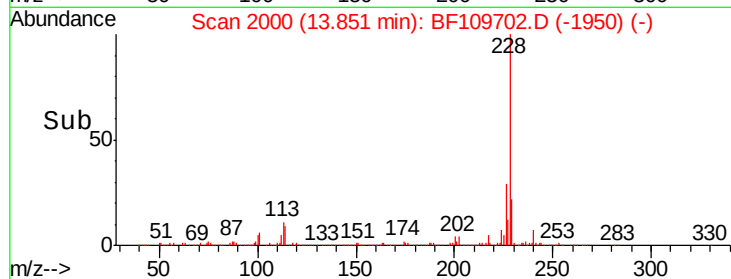
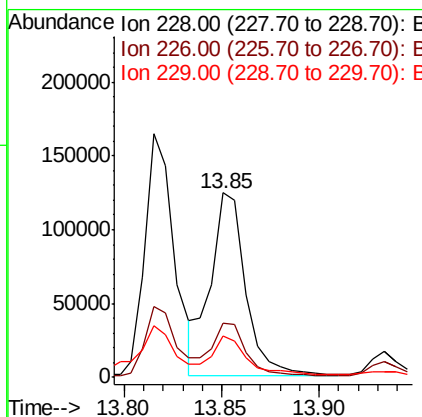
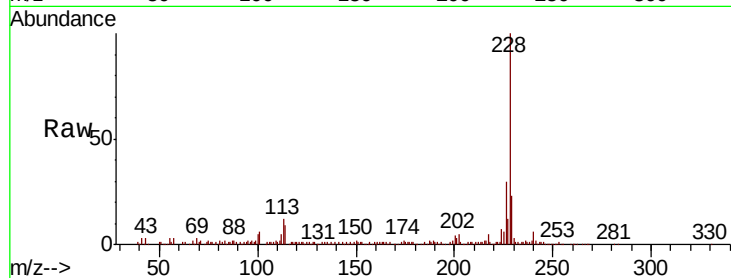




#82
 Chrysene
 Concen: 12.502 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF109702.D
 Acq: 9 Oct 2018 18:35

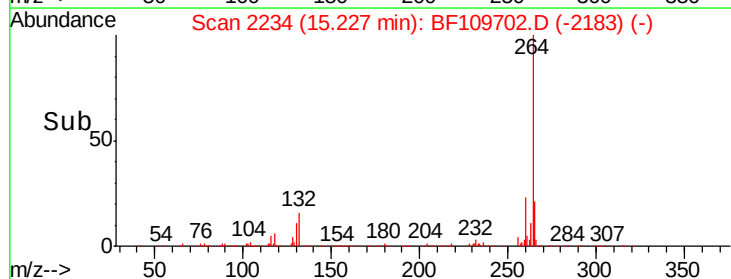
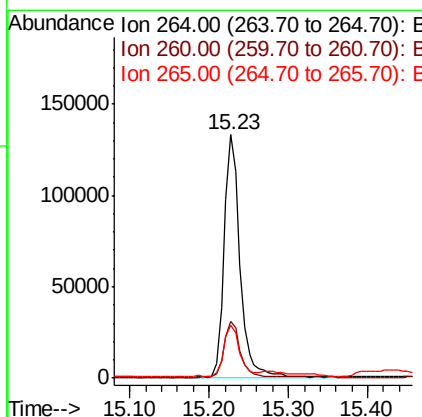
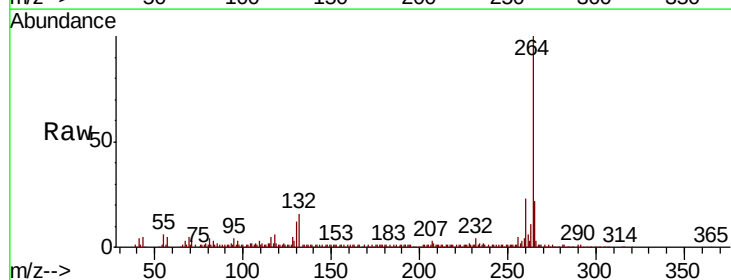
Instrument :
 BNA_F
 ClientSampleId :

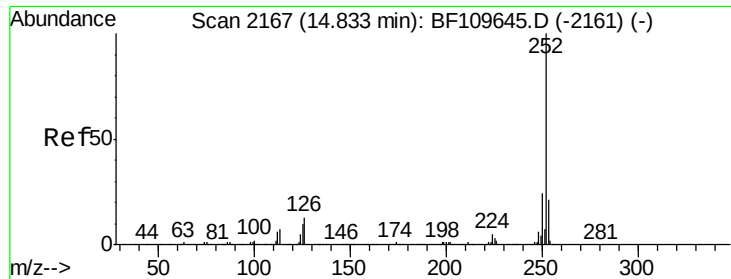
Tot Ion:228 Resp: 157587
 Ion Ratio Lower Upper
 228 100
 226 29.6 24.7 37.1
 229 22.6 15.9 23.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. -0.00 min
 Lab File: BF109702.D
 Acq: 9 Oct 2018 18:35

Tgt Ion:264 Resp: 188389
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.7 28.1
 265 21.7 16.7 25.1

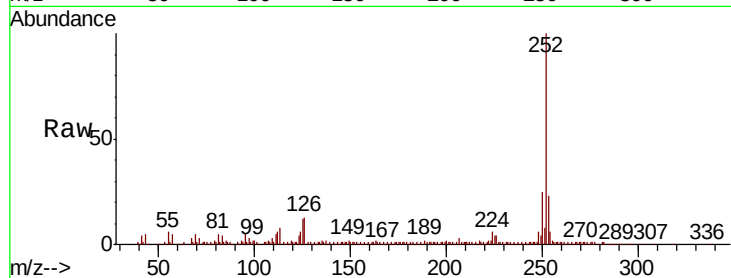




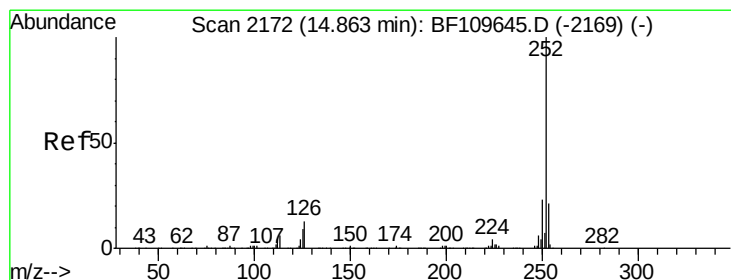
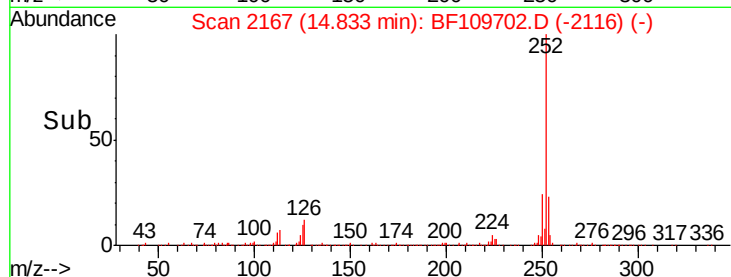
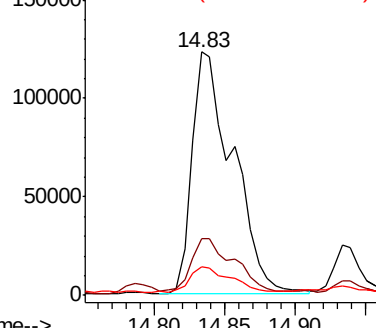
#87
Benzo(b)fluoranthene
Concen: 23.870 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	11.6	8.2	12.4

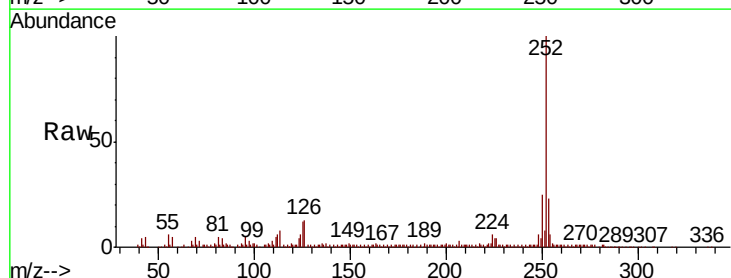


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

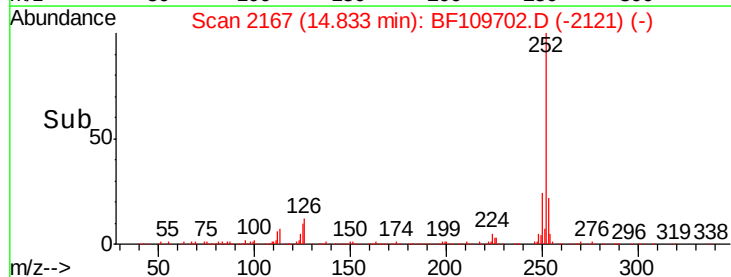
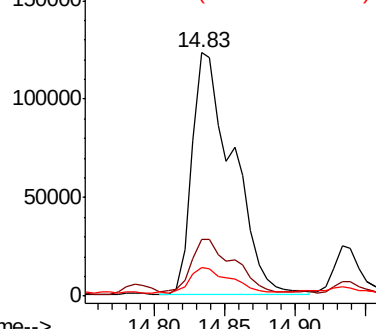


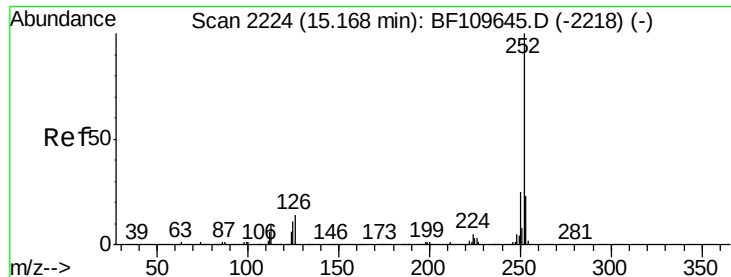
#88
Benzo(k)fluoranthene
Concen: 23.757 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.03 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	11.6	7.4	11.0



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

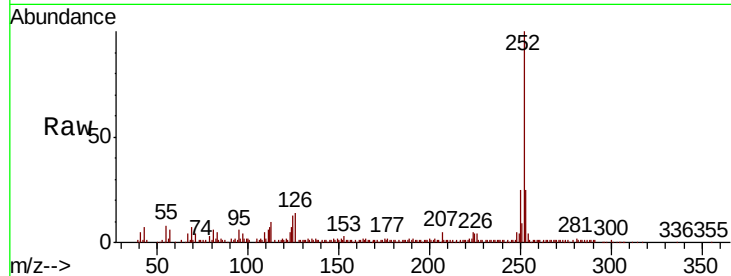




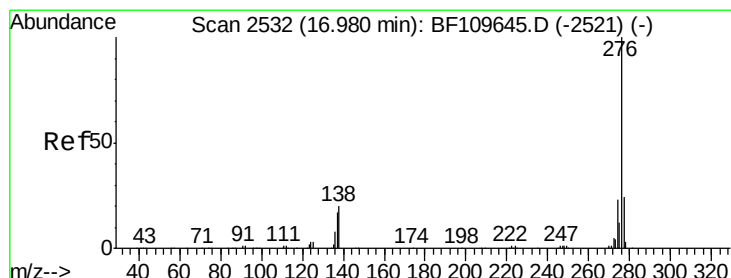
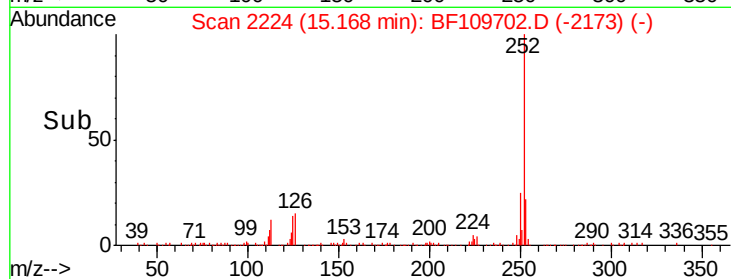
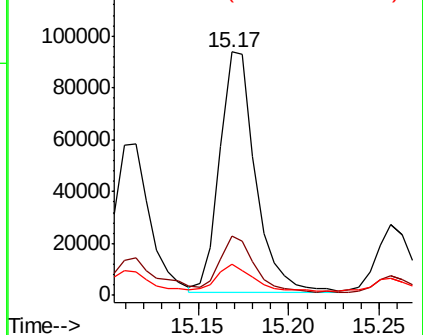
#89
Benzo(a)pyrene
Concen: 13.618 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 128654
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.4
125 13.1 9.0 13.6

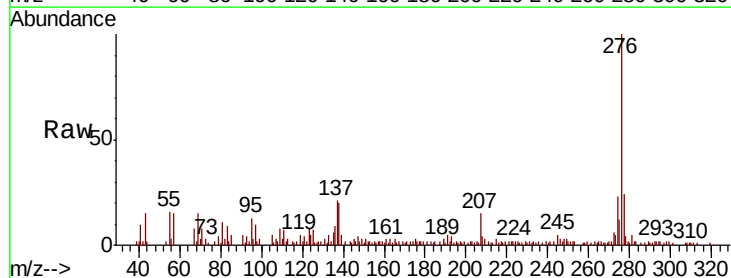


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 8.369 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.00 min
Lab File: BF109702.D
Acq: 9 Oct 2018 18:35

Tgt Ion:276 Resp: 64844
Ion Ratio Lower Upper
276 100
277 24.0 18.8 28.2
138 20.4 16.0 24.0



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

