

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101518\
 Data File : BF109898.D
 Acq On : 15 Oct 2018 23:56
 Operator : JU/SJ
 Sample : J5198-19 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 01:26:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 15 18:09:48 2018
 Response via : Initial Calibration

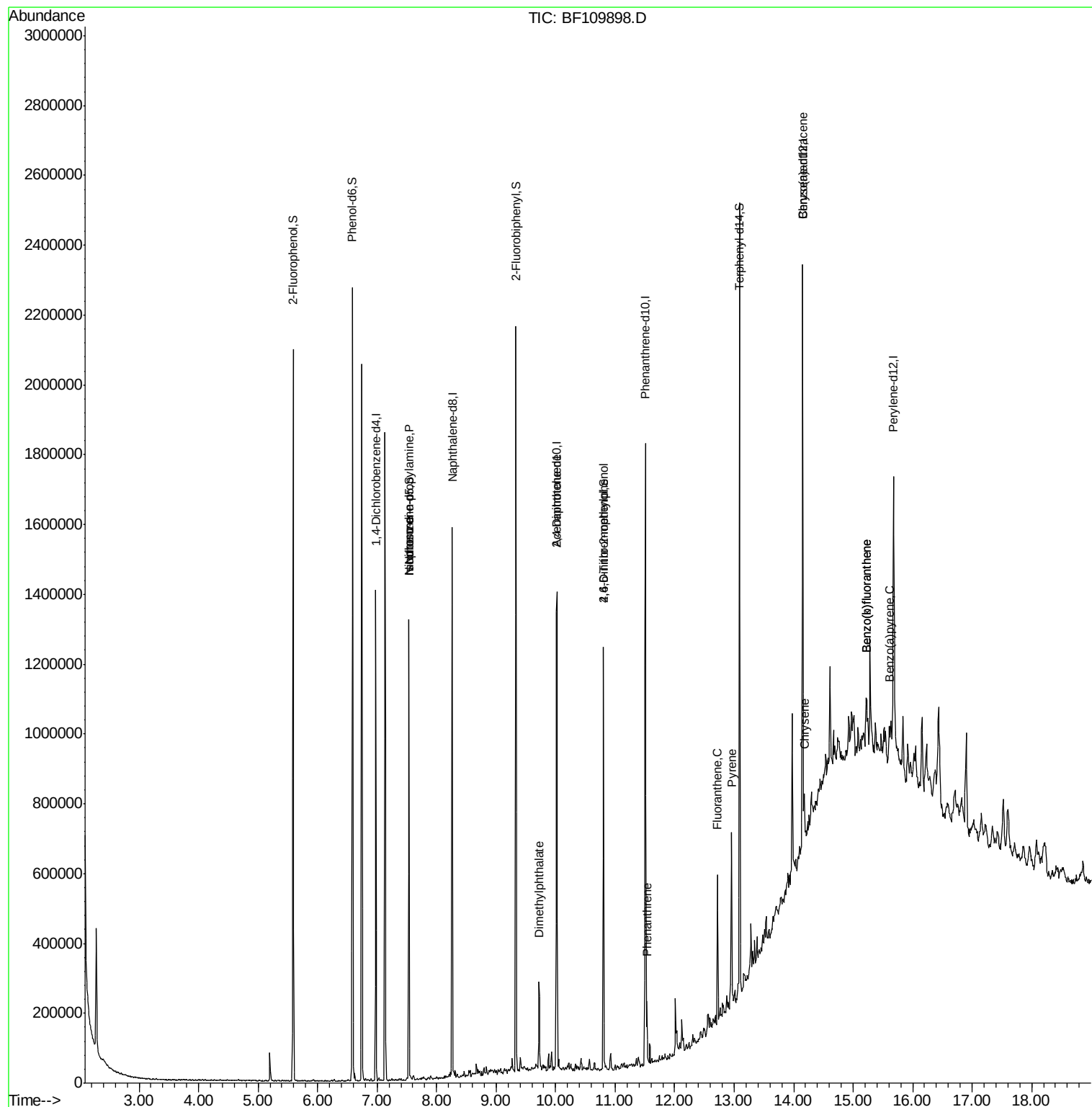
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	194950	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	654515	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	268443	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	558917	20.00	ng	0.00
76) Chrysene-d12	14.15	240	546118	20.00	ng	0.00
87) Perylene-d12	15.68	264	348700	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	570644	46.40	ng	0.00
7) Phenol-d6	6.59	99	651949	42.69	ng	0.00
23) Nitrobenzene-d5	7.53	82	344394	35.45	ng	-0.01
42) 2,4,6-Tribromophenol	10.80	330	119557	51.44	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	551427	32.78	ng	0.00
79) Terphenyl-d14	13.09	244	669941	25.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	46386	4.731	ng	# 81
25) Isophorone	7.53	82	344385	18.039	ng	# 67
50) Dimethylphthalate	9.72	163	60361	3.176	ng	99
57) 2,4-Dinitrotoluene	10.02	165	35478	11.620	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	264	8.013	ng	# 1
71) Phenanthrene	11.53	178	57872	2.000	ng	99
75) Fluoranthene	12.72	202	149155	5.160	ng	97
78) Pyrene	12.96	202	180311	4.495	ng	98
81) Benzo(a)anthracene	14.14	228	69440	2.159	ng	# 90
83) Chrysene	14.18	228	66301	2.165	ng	# 95
88) Benzo(b)fluoranthene	15.22	252	75107	3.736	ng	# 65
89) Benzo(k)fluoranthene	15.22	252	75149	3.793	ng	# 64
90) Benzo(a)pyrene	15.61	252	42712	2.310	ng	# 76

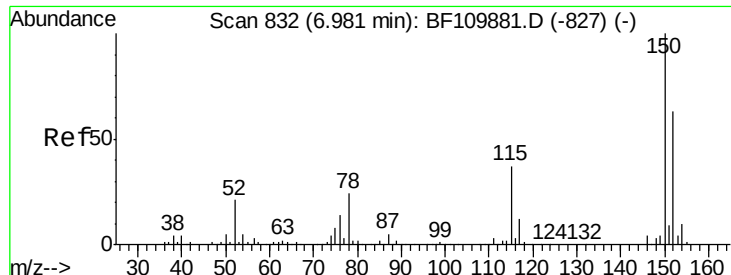
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Oct 16 01:15:35 2018
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 15 18:09:48 2018
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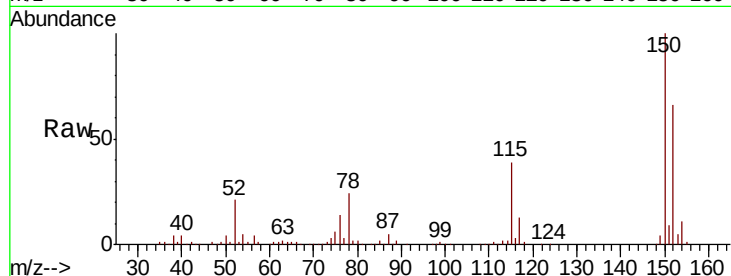


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF109898.D
Acq: 15 Oct 2018 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	122.7	184.1
115	58.6	49.1	73.7

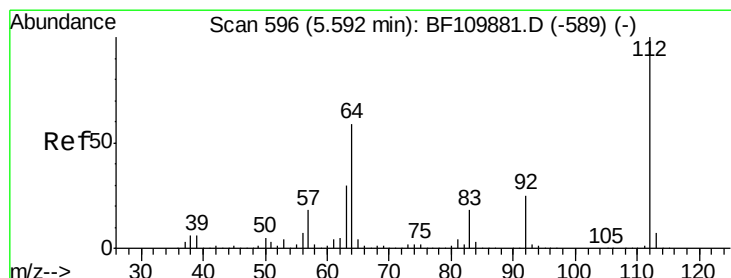
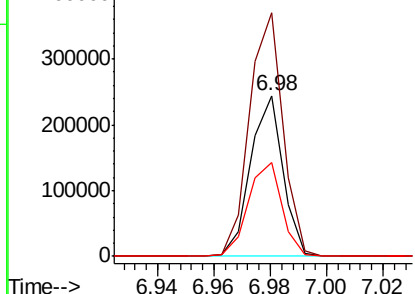
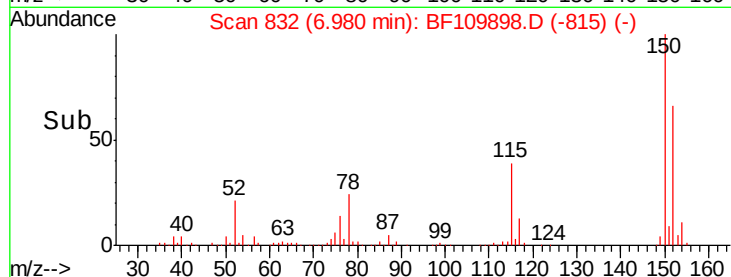


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

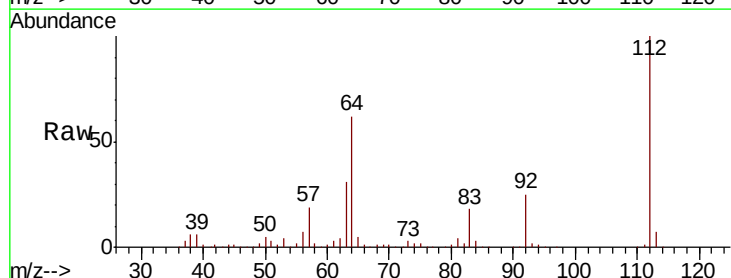
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 46.399 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF109898.D
Acq: 15 Oct 2018 23:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	44.1	66.1
63	31.1	23.7	35.5

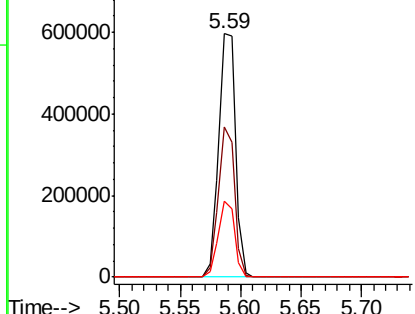
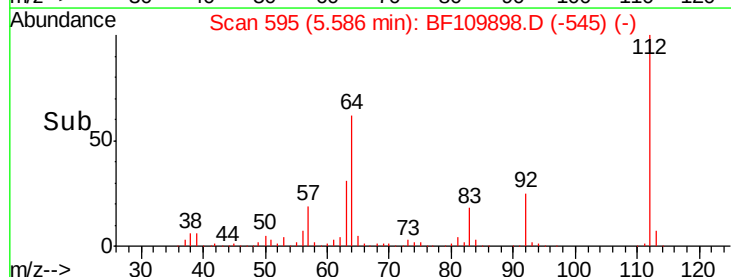


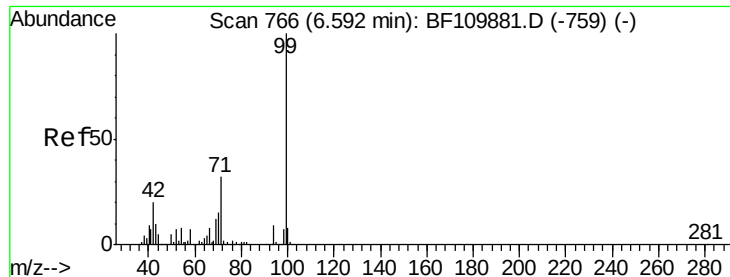
Abundance

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: 42.690 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF109898.D

Acq: 15 Oct 2018 23:56

Instrument :

BNA_F

ClientSampleId :

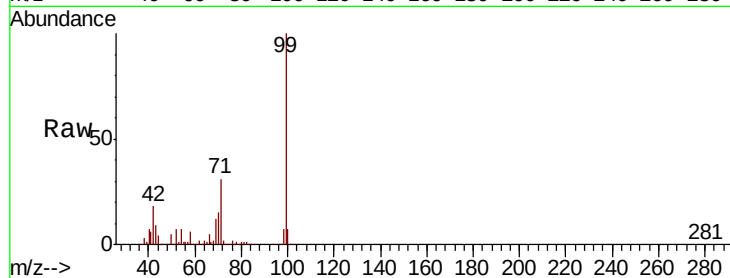
Tot Ion: 99 Resp: 651949

Ion Ratio Lower Upper

99 100

42 18.0 15.8 23.6

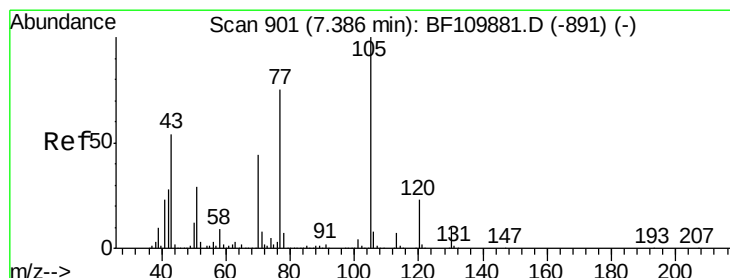
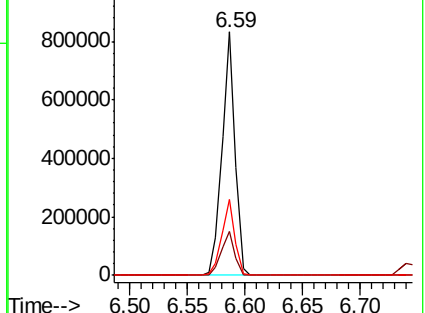
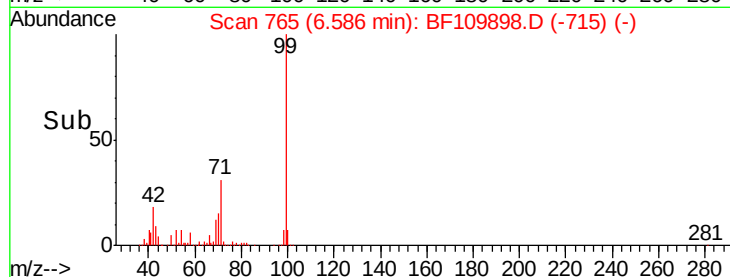
71 31.1 28.0 42.0



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: 4.731 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF109898.D

Acq: 15 Oct 2018 23:56

Tgt Ion: 70 Resp: 46386

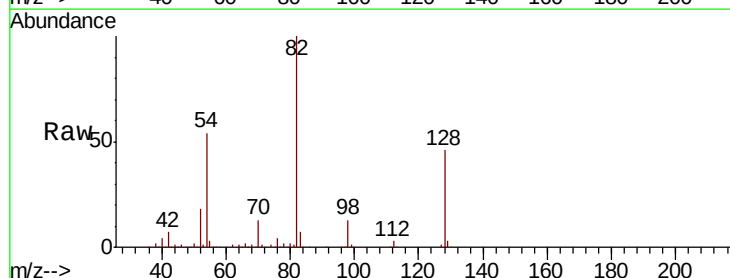
Ion Ratio Lower Upper

70 100

42 50.6 47.4 71.2

101 0.0 7.3 10.9#

130 1.9 16.2 24.2#

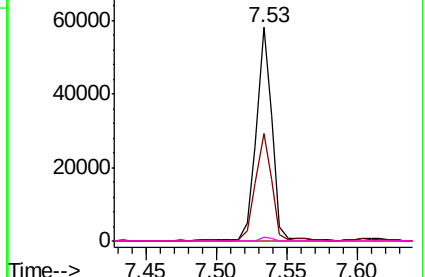
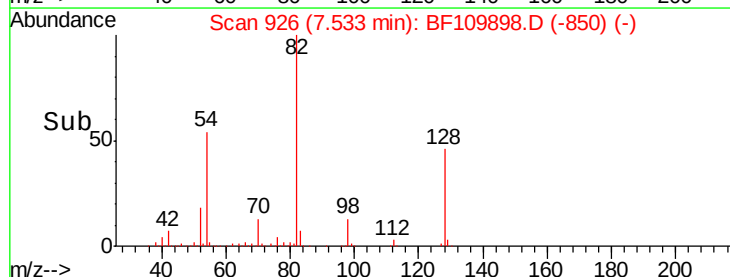


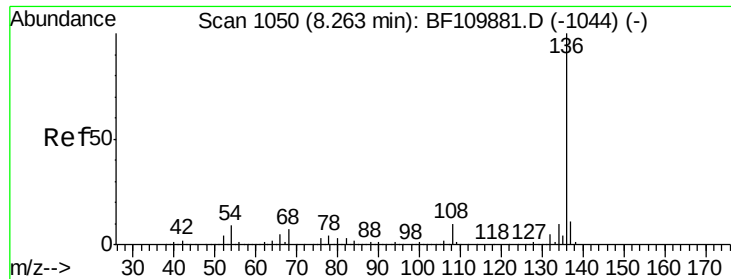
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

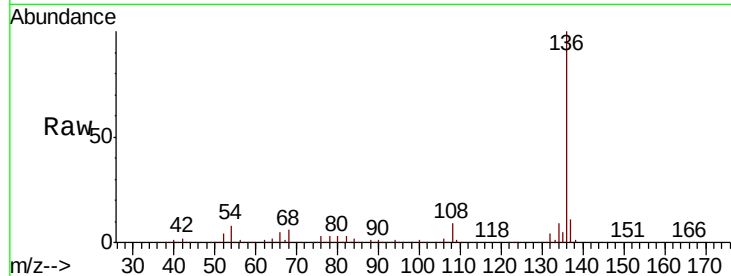




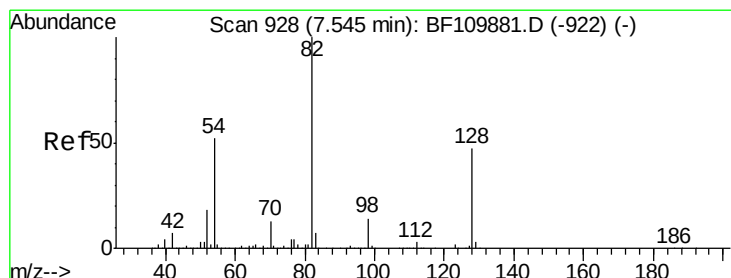
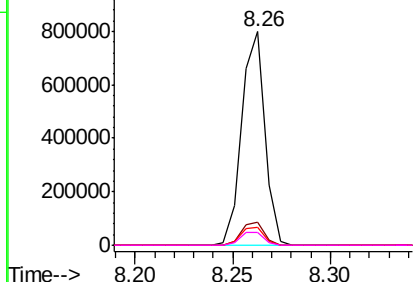
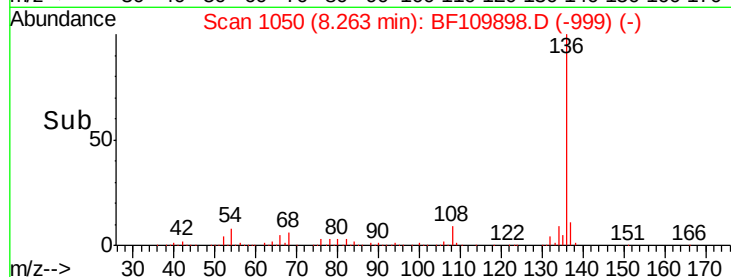
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BF109898.D
Acq: 15 Oct 2018 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	654515
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.8 13.2
54	8.2	5.4 8.2
68	6.0	4.2 6.2

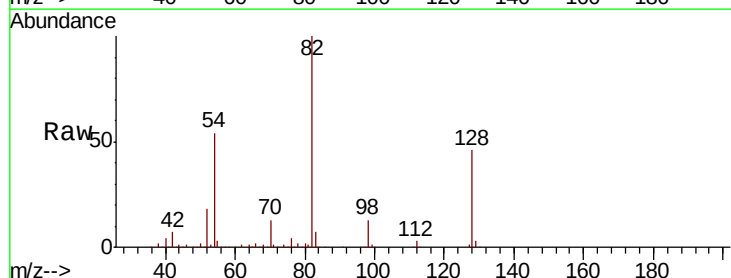


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

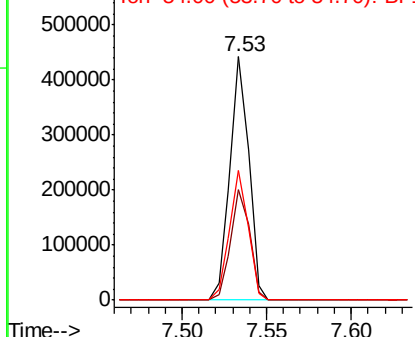
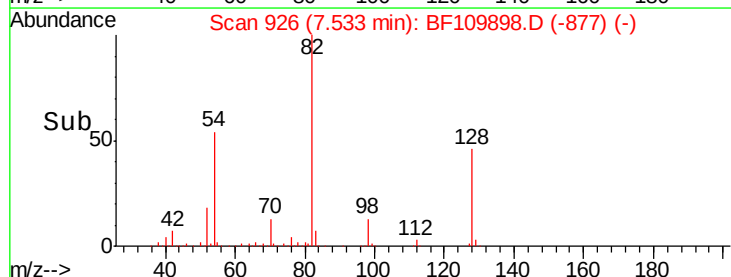


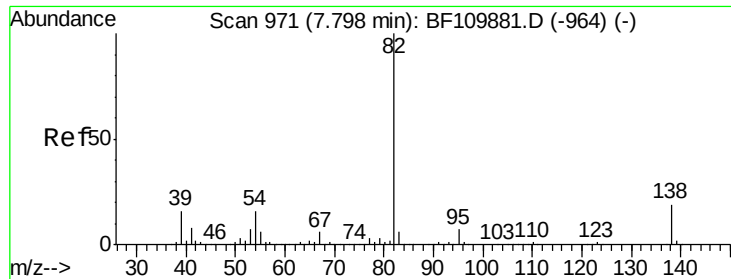
#23
Nitrobenzene-d5
Concen: 35.446 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF109898.D
Acq: 15 Oct 2018 23:56

Tgt Ion: 82	Resp:	344394
Ion Ratio	Lower	Upper
82	100	
128	45.6	34.2 51.2
54	53.5	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

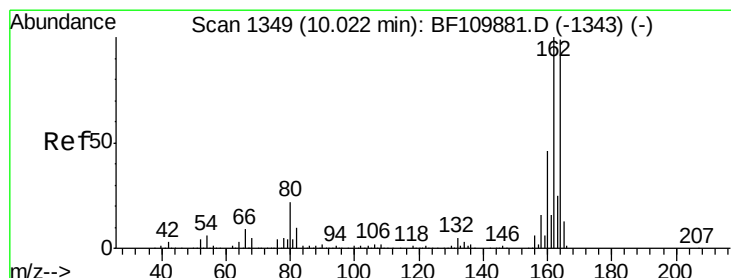
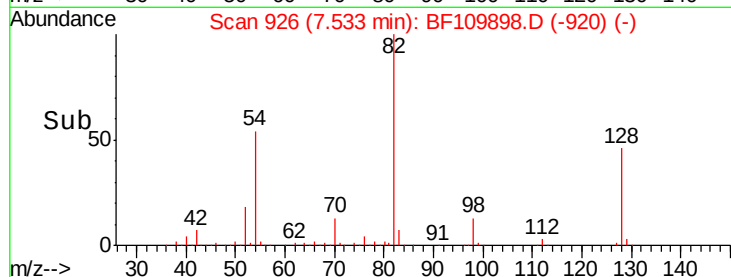
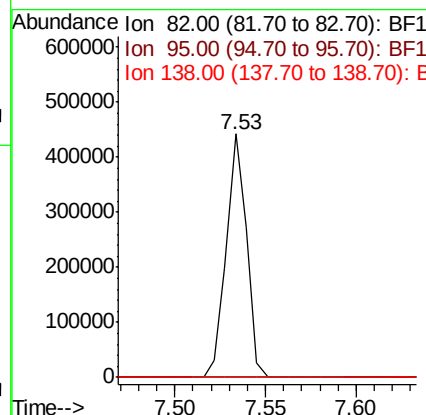
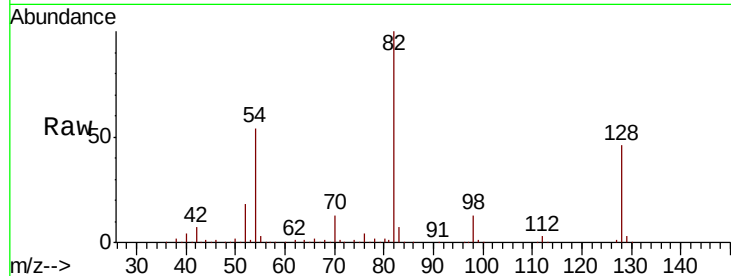




#25
Isophorone
Concen: 18.039 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.26 min
Lab File: BF109898.D
Acq: 15 Oct 2018 23:56

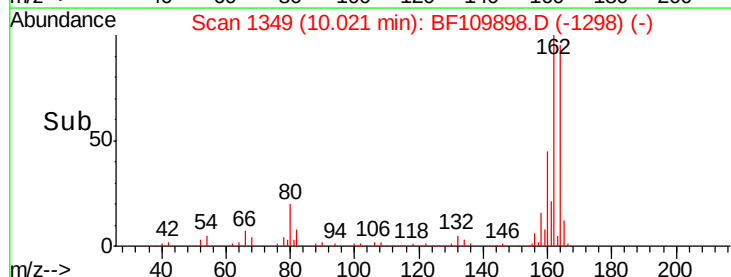
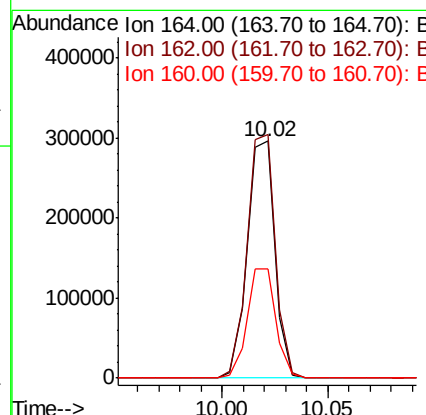
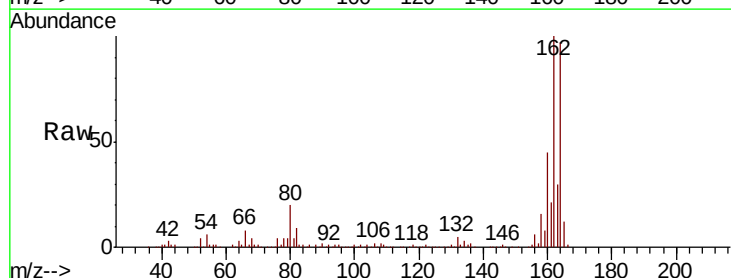
Instrument :
BNA_F
ClientSampled :

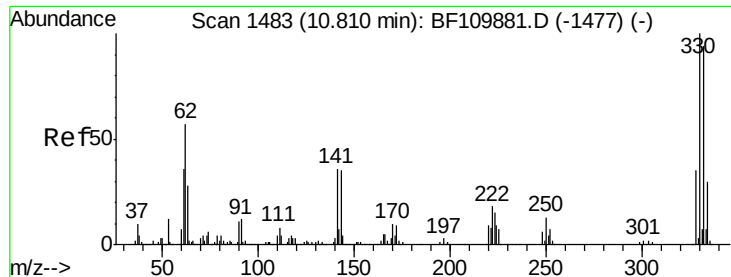
Tot Ion: 82 Resp: 344385
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.00 min
Lab File: BF109898.D
Acq: 15 Oct 2018 23:56

Tgt Ion: 164 Resp: 268443
Ion Ratio Lower Upper
164 100
162 102.8 83.0 124.6
160 46.3 37.0 55.6

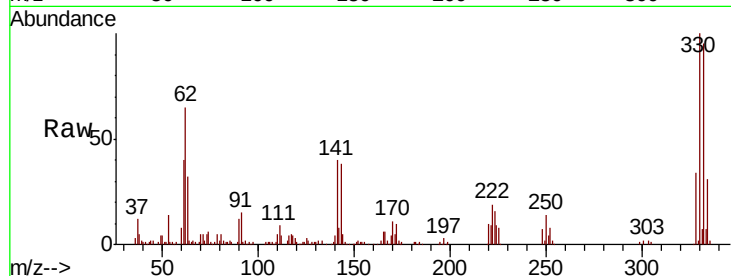




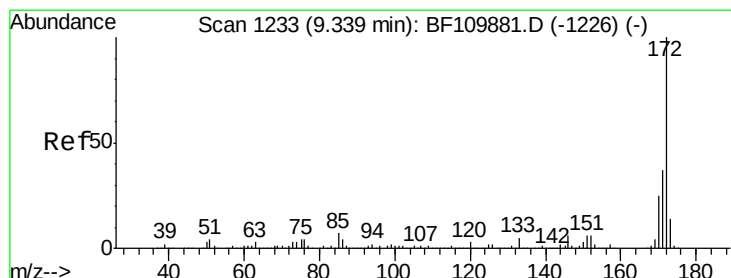
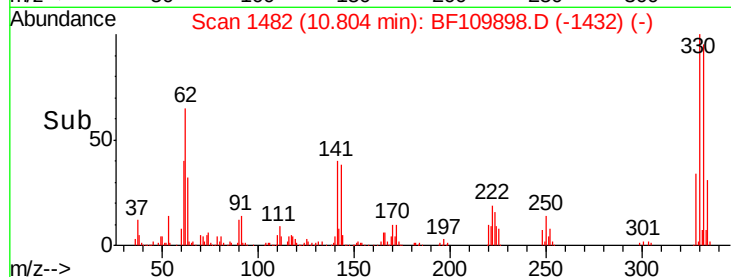
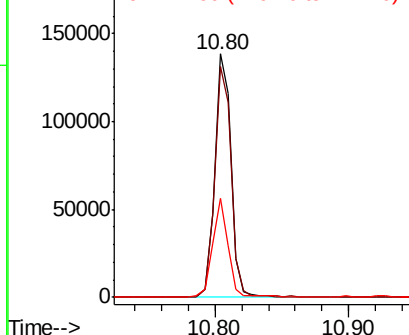
#42
 2,4,6-Tribromophenol
 Concen: 51.442 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF109898.D
 Acq: 15 Oct 2018 23:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.1	115.7
141	38.9	27.0	40.4

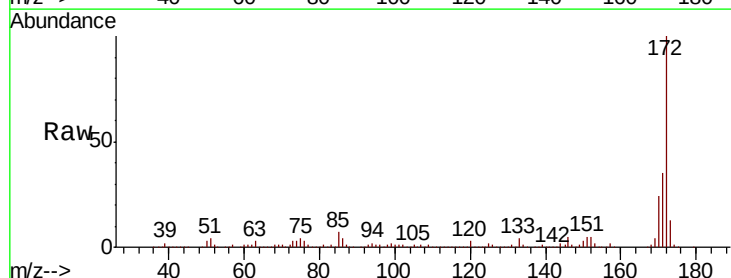


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

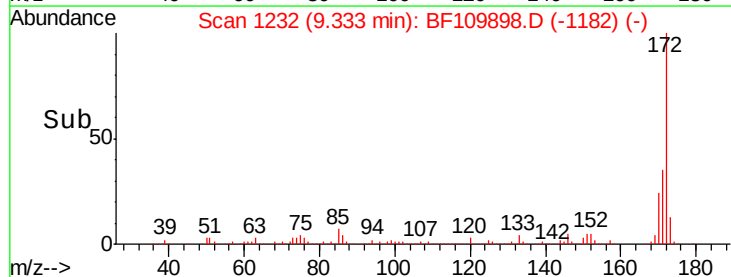
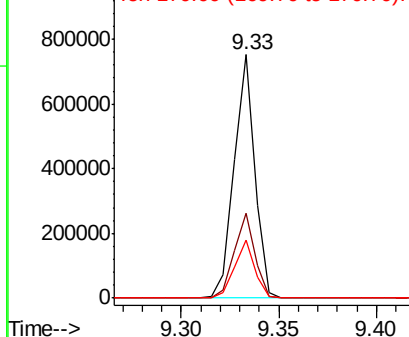


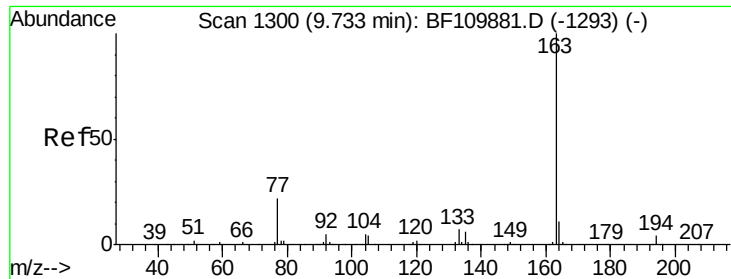
#45
 2-Fluorobiphenyl
 Concen: 32.777 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF109898.D
 Acq: 15 Oct 2018 23:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	43.0
170	23.6	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

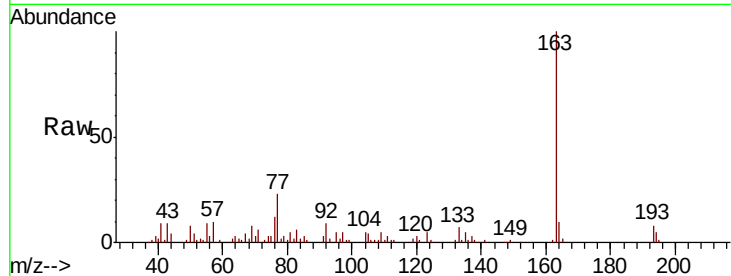




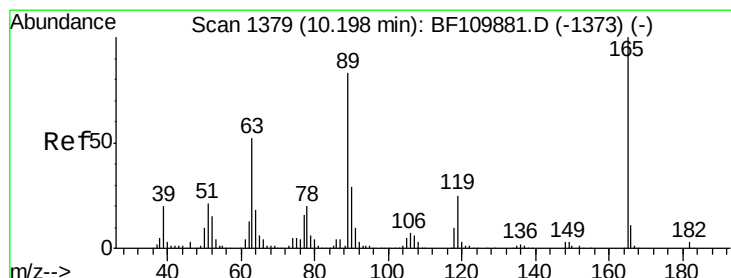
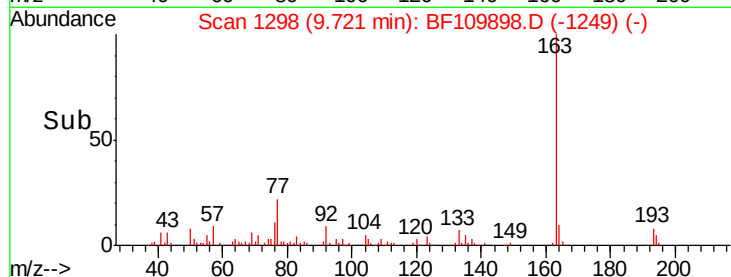
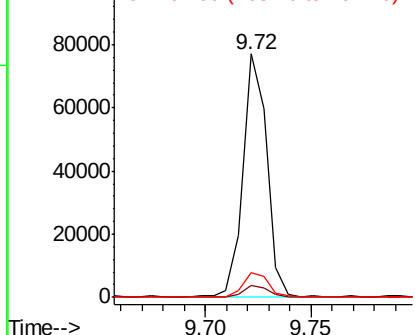
#50
Dimethylphthalate
Concen: 3.176 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109898.D
Acq: 15 Oct 2018 23:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 60361
Ion Ratio Lower Upper
163 100
194 4.7 3.2 4.8
164 10.4 8.1 12.1

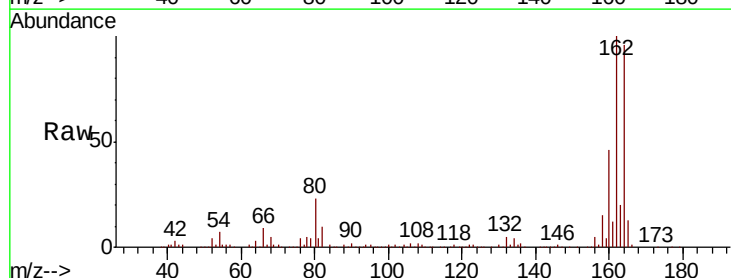


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

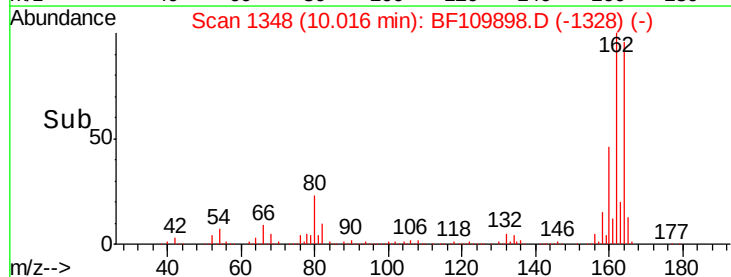
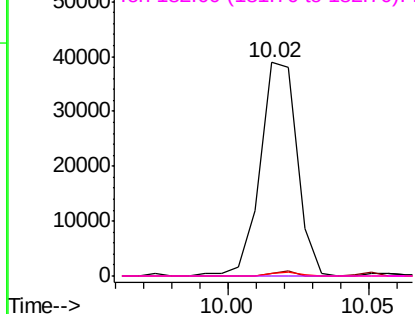


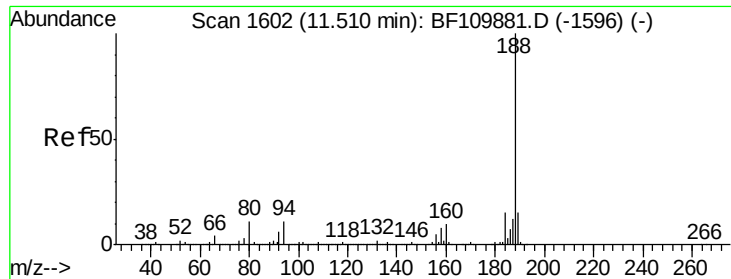
#57
2,4-Dinitrotoluene
Concen: 11.620 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.18 min
Lab File: BF109898.D
Acq: 15 Oct 2018 23:56

Tgt Ion:165 Resp: 35478
Ion Ratio Lower Upper
165 100
63 1.4 44.8 67.2#
89 1.5 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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.00 min

Lab File: BF109898.D

Acq: 15 Oct 2018 23:56

Instrument :

BNA_F

ClientSampleId :

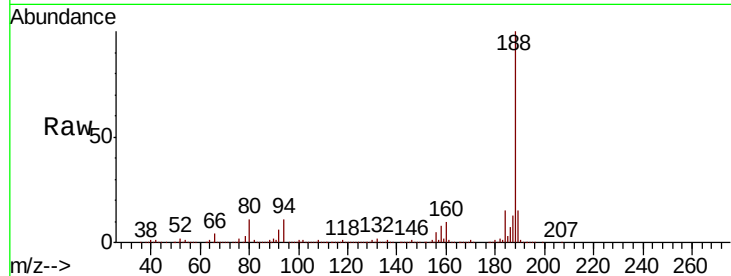
Tot Ion:188 Resp: 558917

Ion Ratio Lower Upper

188 100

94 10.5 7.2 10.8

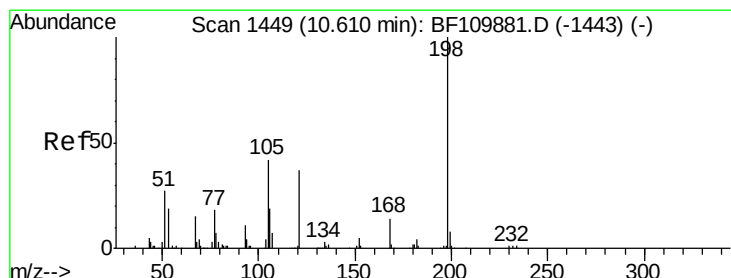
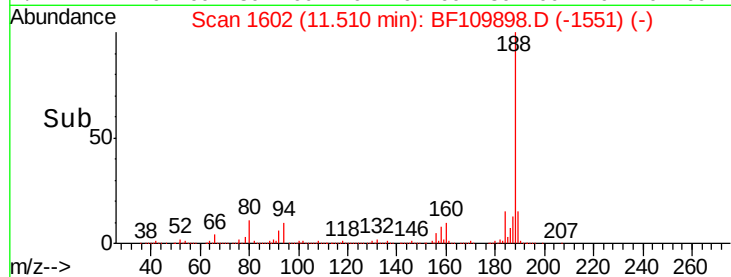
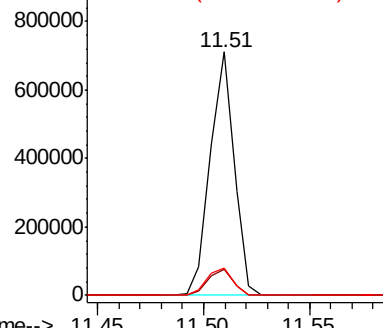
80 11.1 7.9 11.9



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.013 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.19 min

Lab File: BF109898.D

Acq: 15 Oct 2018 23:56

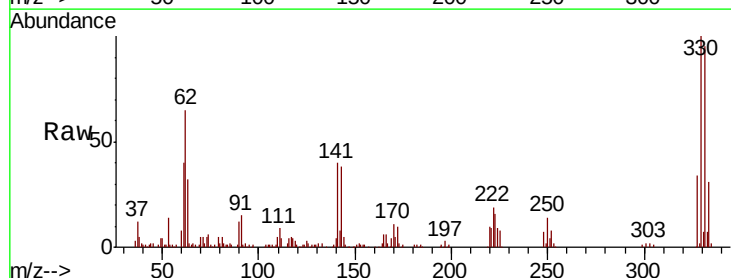
Tgt Ion:198 Resp: 264

Ion Ratio Lower Upper

198 100

51 292.3 22.8 62.8#

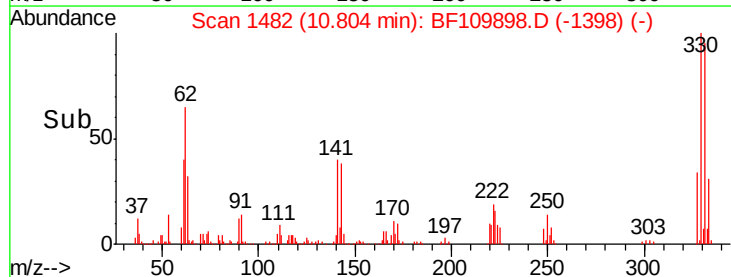
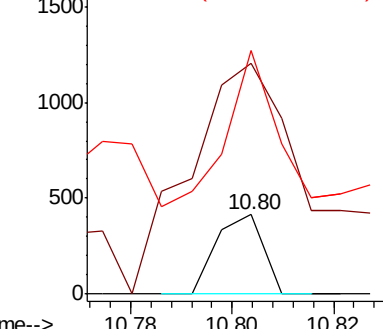
105 307.5 23.6 63.6#

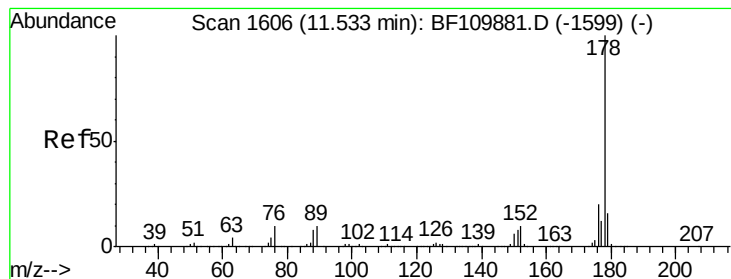


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 2.000 ng

RT: 11.53 min Scan# 1606

Delta R.T. -0.00 min

Lab File: BF109898.D

Acq: 15 Oct 2018 23:56

Instrument :

BNA_F

ClientSampled :

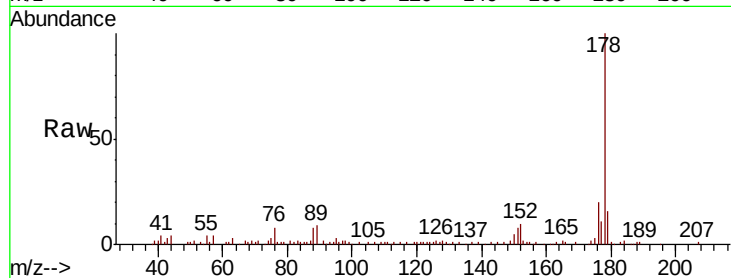
Tot Ion:178 Resp: 57872

Ion Ratio Lower Upper

178 100

176 20.2 15.5 23.3

179 15.6 12.5 18.7

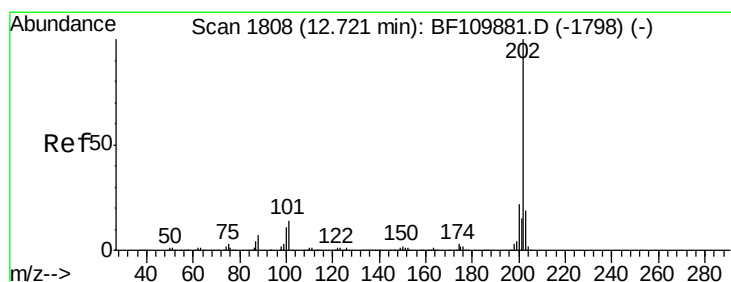
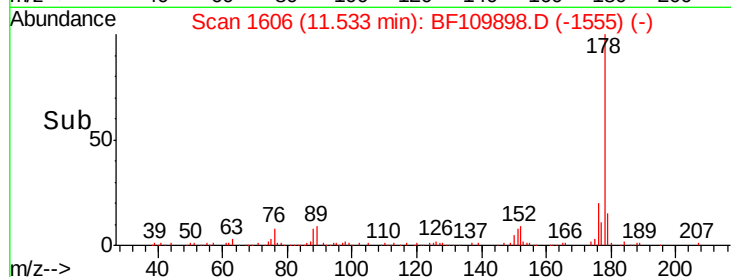
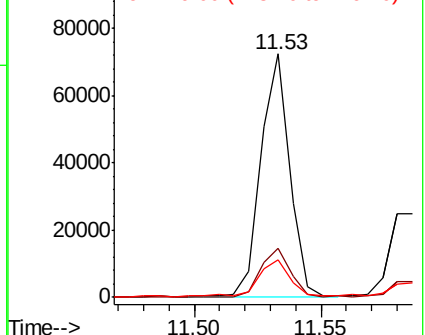


Abundance

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



#75

Fluoranthene

Concen: 5.160 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF109898.D

Acq: 15 Oct 2018 23:56

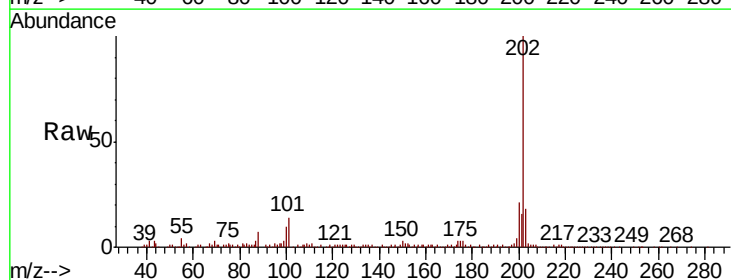
Tgt Ion:202 Resp: 149155

Ion Ratio Lower Upper

202 100

101 14.1 0.0 31.4

203 18.0 0.0 37.7

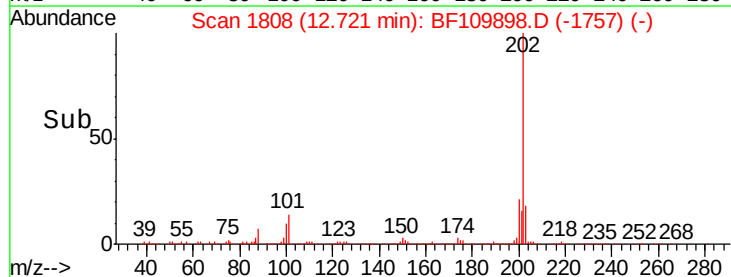
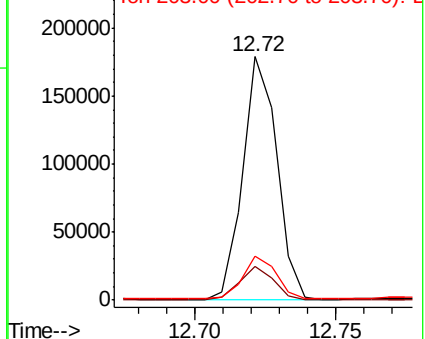


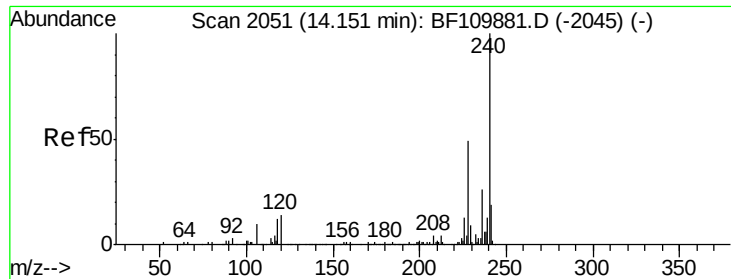
Abundance

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

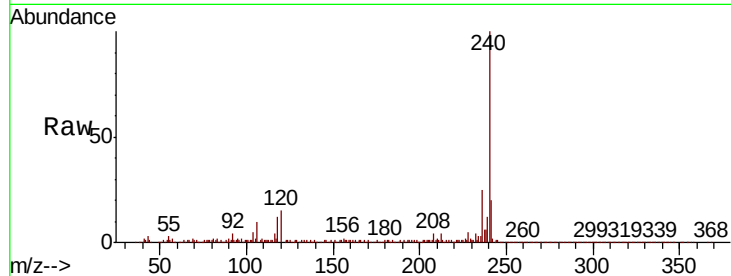




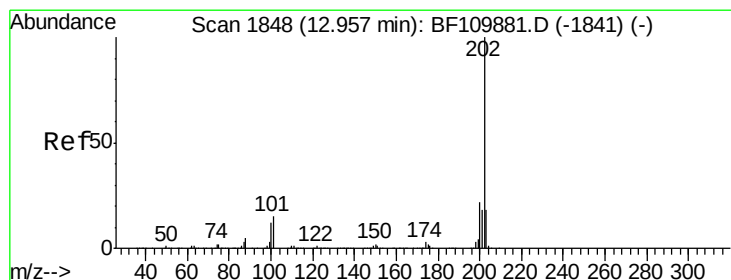
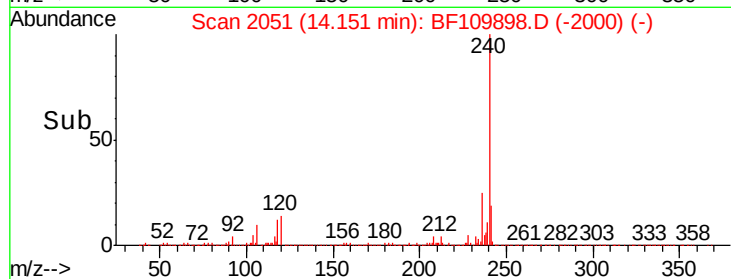
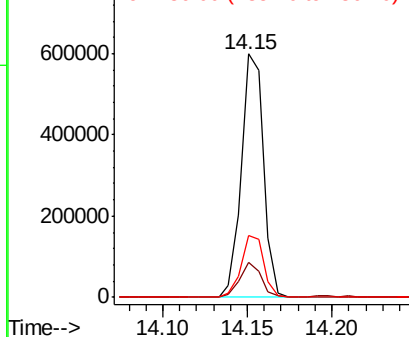
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BF109898.D
Acq: 15 Oct 2018 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 546118
Ion Ratio Lower Upper
240 100
120 14.6 8.3 12.5#
236 25.2 21.2 31.8

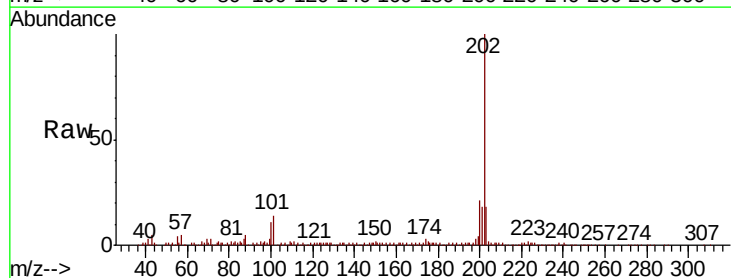


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

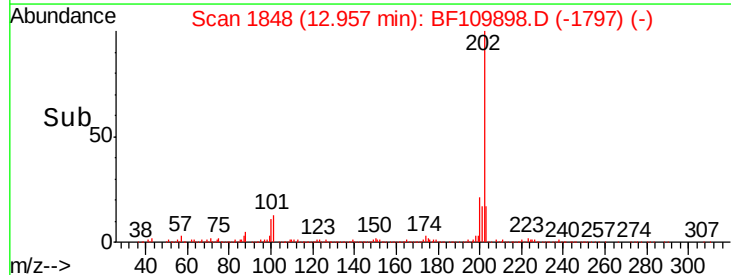
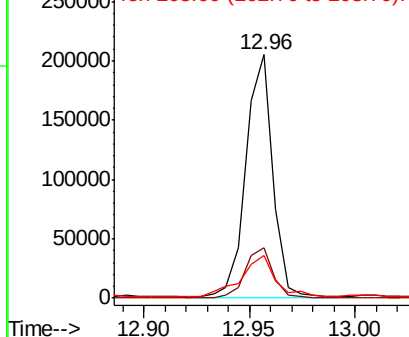


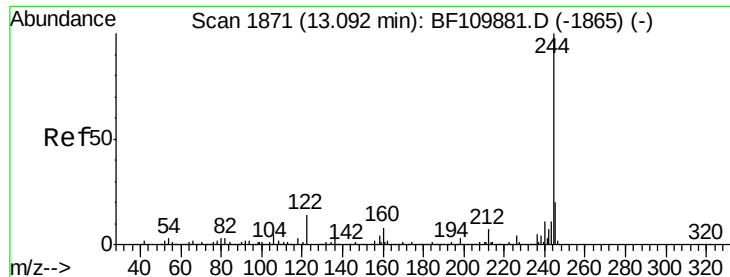
#78
Pyrene
Concen: 4.495 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.00 min
Lab File: BF109898.D
Acq: 15 Oct 2018 23:56

Tgt Ion:202 Resp: 180311
Ion Ratio Lower Upper
202 100
200 20.7 17.8 26.6
203 17.6 14.2 21.4



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





#79

Terphenyl-d14

Concen: 25.760 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BF109898.D

Acq: 15 Oct 2018 23:56

Instrument :

BNA_F

ClientSampleId :

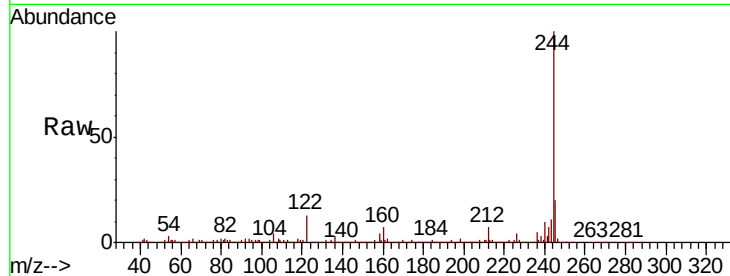
Tot Ion:244 Resp: 669941

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

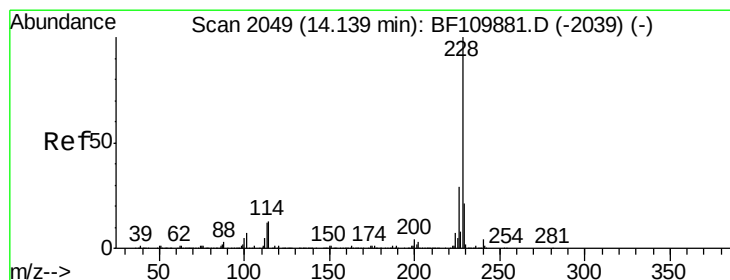
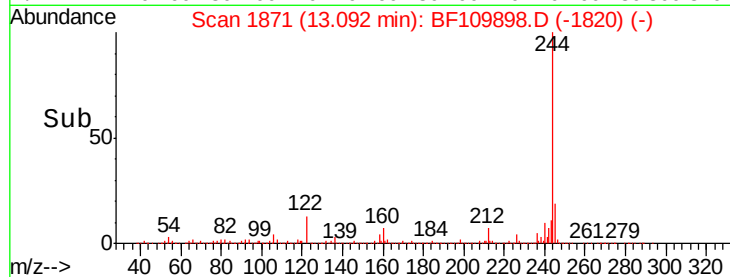
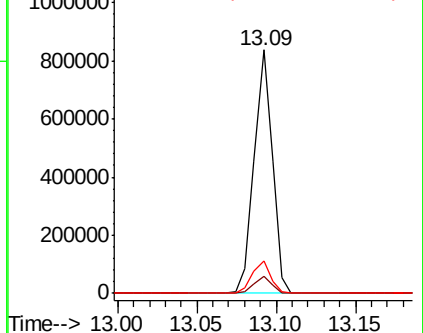
122 13.2 8.7 13.1#



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



#81

Benzo(a)anthracene

Concen: 2.159 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.01 min

Lab File: BF109898.D

Acq: 15 Oct 2018 23:56

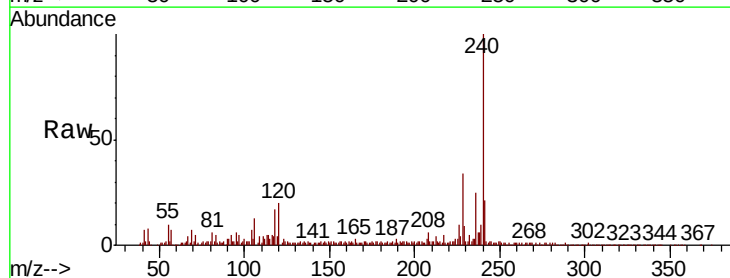
Tgt Ion:228 Resp: 69440

Ion Ratio Lower Upper

228 100

226 30.2 22.1 33.1

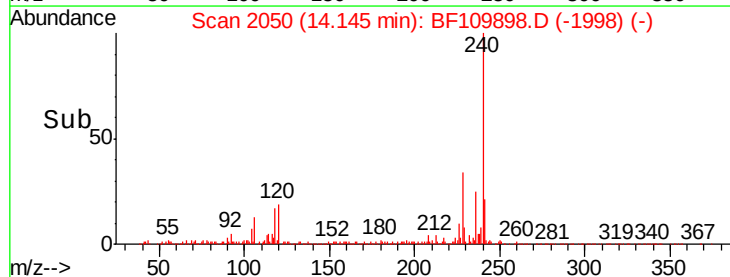
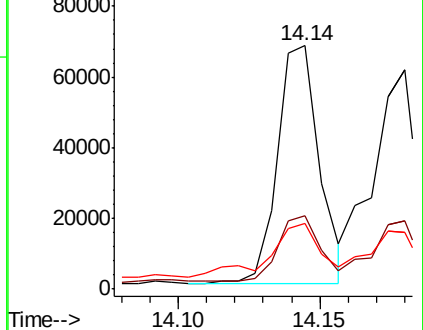
229 27.1 15.6 23.4#

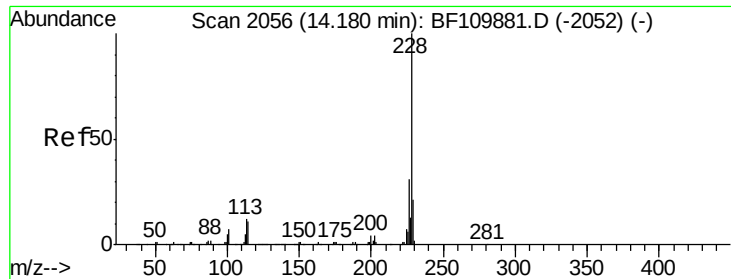


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

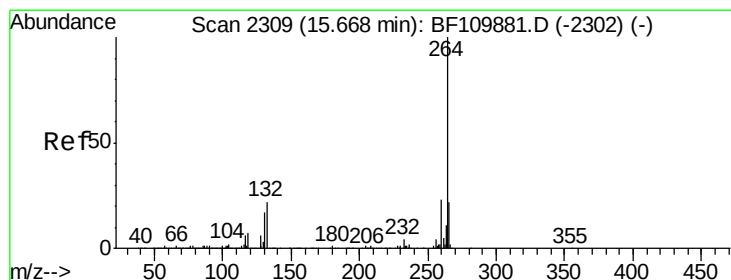
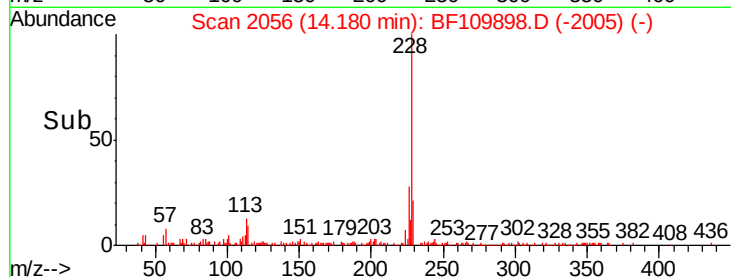
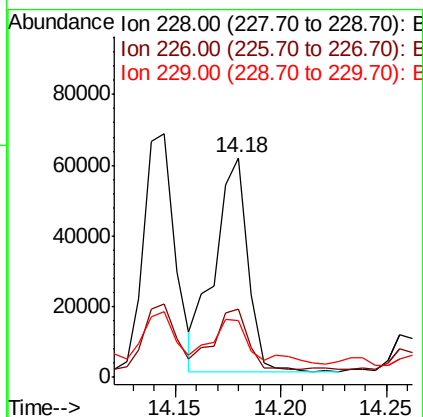
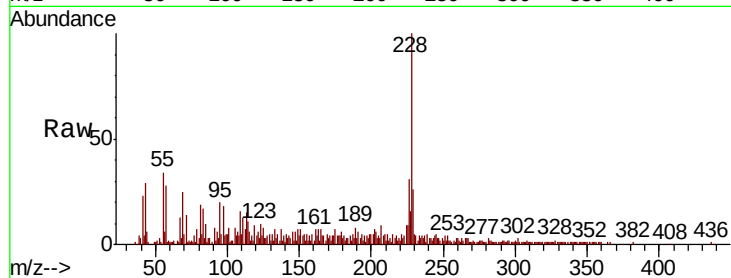




#83
Chrysene
Concen: 2.165 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.00 min
Lab File: BF109898.D
Acq: 15 Oct 2018 23:56

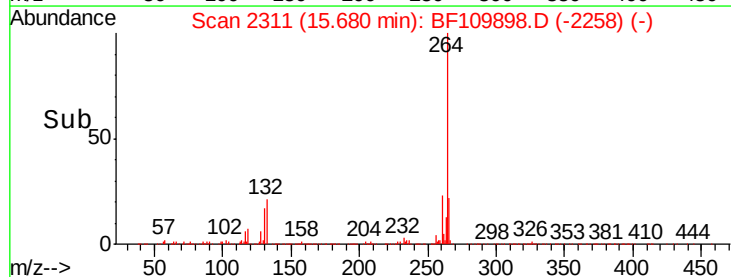
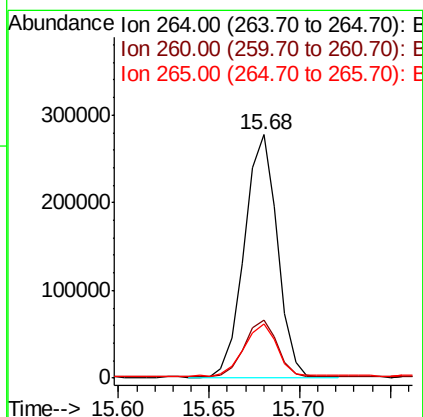
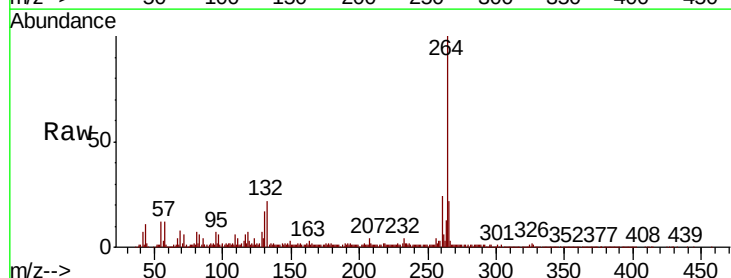
Instrument :
BNA_F
ClientSampleId :

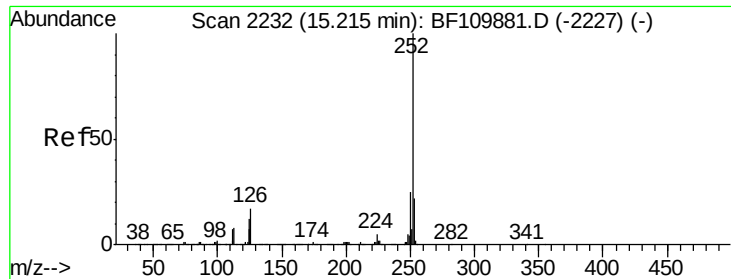
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.7	37.1
229	26.0	15.9	23.9



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. 0.01 min
Lab File: BF109898.D
Acq: 15 Oct 2018 23:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.3	16.7	25.1





#88

Benzo(b)fluoranthene

Concen: 3.736 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF109898.D

Acq: 15 Oct 2018 23:56

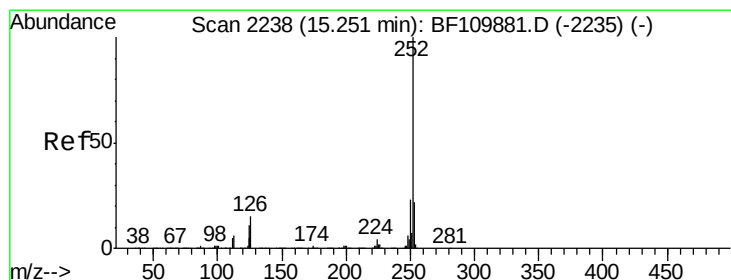
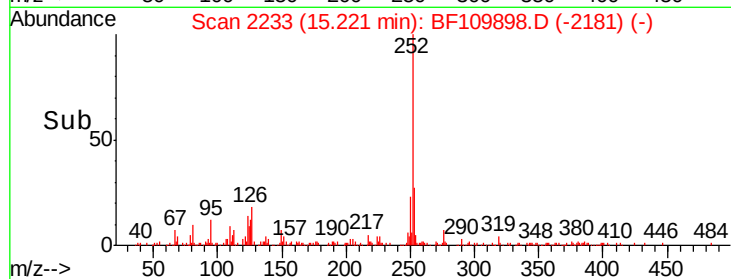
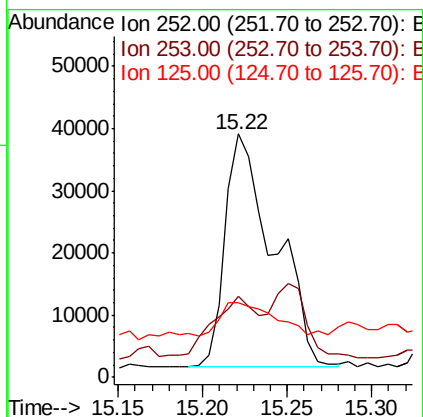
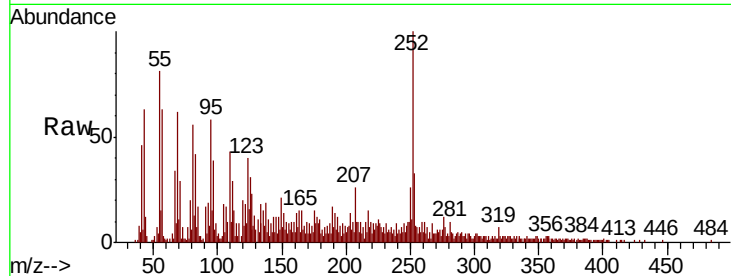
Instrument :

BNA_F

ClientSampled :

Tot Ion:252 Resp: 75107

Ion	Ratio	Lower	Upper
252	100		
253	33.4	17.2	25.8#
125	30.9	8.2	12.4#



#89

Benzo(k)fluoranthene

Concen: 3.793 ng

RT: 15.22 min Scan# 2233

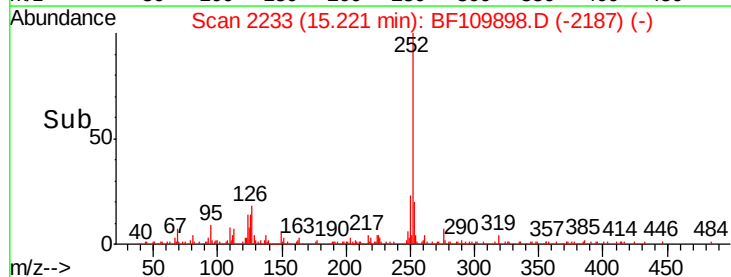
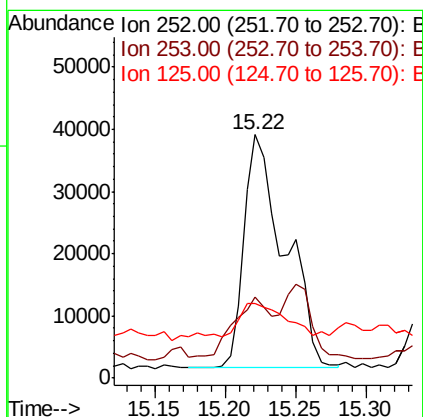
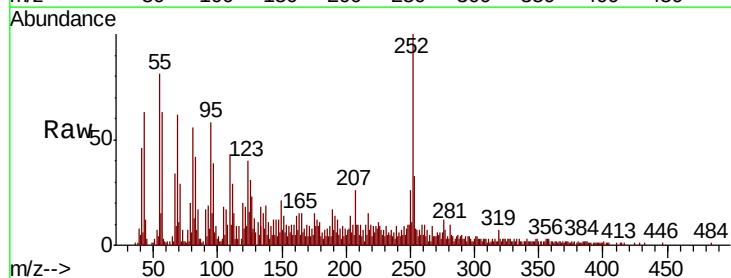
Delta R.T. -0.03 min

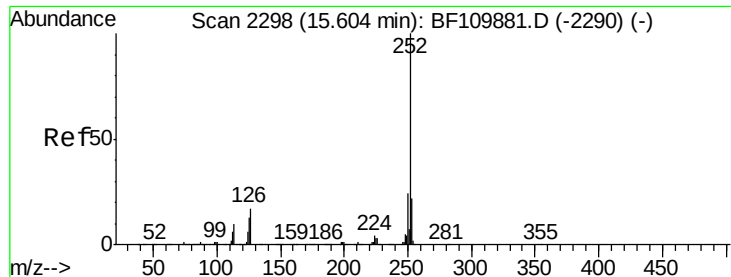
Lab File: BF109898.D

Acq: 15 Oct 2018 23:56

Tgt Ion:252 Resp: 75149

Ion	Ratio	Lower	Upper
252	100		
253	33.4	17.2	25.8#
125	30.9	7.4	11.0#





#90

Benzo(a)pyrene

Concen: 2.310 ng

RT: 15.61 min Scan# 2299

Delta R.T. 0.01 min

Lab File: BF109898.D

Acq: 15 Oct 2018 23:56

Instrument :

BNA_F

ClientSampleId :

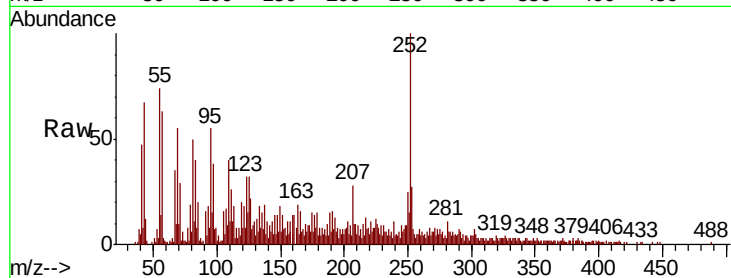
Tot Ion:252 Resp: 42712

Ion Ratio Lower Upper

252 100

253 27.2 18.2 27.4

125 32.3 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

