

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101618\
 Data File : BF109906.D
 Acq On : 16 Oct 2018 15:40
 Operator : JU/SJ
 Sample : J5526-14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 16:29:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	247780	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	914148	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	348434	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	530998	20.00	ng	0.00
76) Chrysene-d12	14.16	240	591151	20.00	ng	0.00
87) Perylene-d12	15.69	264	629990	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1386427	88.69	ng	0.00
7) Phenol-d6	6.60	99	1699459	87.56	ng	0.00
23) Nitrobenzene-d5	7.54	82	1036202	76.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.81	330	257943	85.51	ng	0.00
45) 2-Fluorobiphenyl	9.34	172	1543326	70.68	ng	0.00
79) Terphenyl-d14	13.10	244	1224311	43.49	ng	0.00

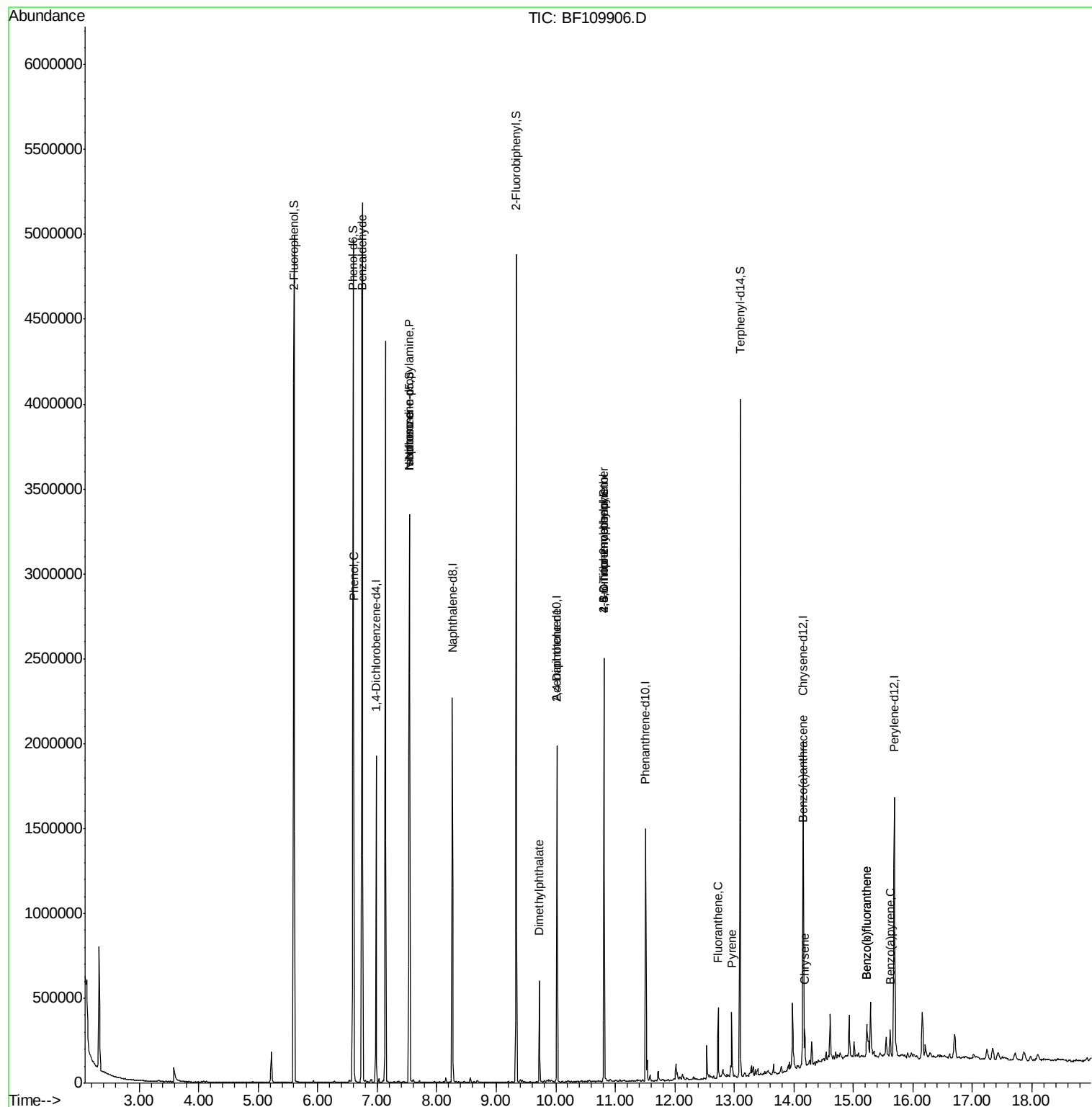
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	31579	2.504	ng	83
10) Phenol	6.61	94	85806	4.094	ng	# 58
19) n-Nitroso-di-n-propylamine	7.54	70	137597	11.041	ng	# 81
25) Isophorone	7.54	82	1036384	38.868	ng	# 67
50) Dimethylphthalate	9.73	163	220330	8.930	ng	98
57) 2,4-Dinitrotoluene	10.02	165	45249	11.497	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.81	198	240	8.009	ng	# 1
67) 4-Bromophenyl-phenylether	10.81	248	15805	2.746	ng	# 1
75) Fluoranthene	12.73	202	140470	5.115	ng	97
78) Pyrene	12.96	202	134452	3.097	ng	98
81) Benzo(a)anthracene	14.14	228	88601	2.545	ng	98
83) Chrysene	14.18	228	75151	2.267	ng	97
88) Benzo(b)fluoranthene	15.23	252	138922	3.825	ng	# 95
89) Benzo(k)fluoranthene	15.23	252	138922	3.881	ng	# 95
90) Benzo(a)pyrene	15.62	252	77617	2.324	ng	99

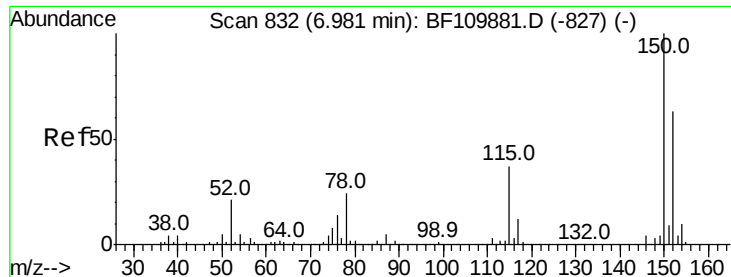
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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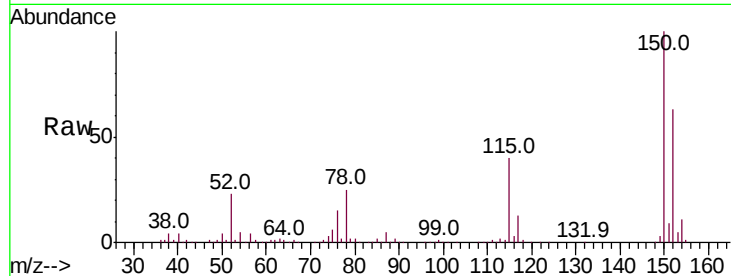


#1

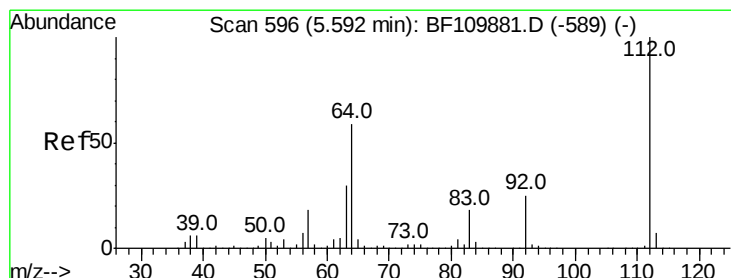
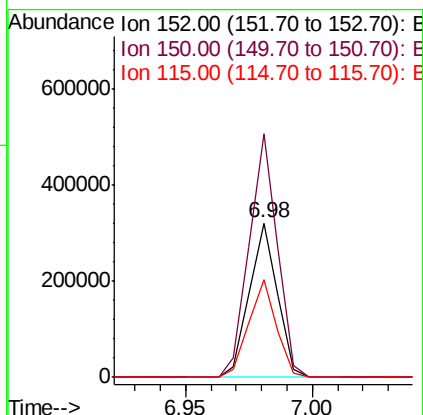
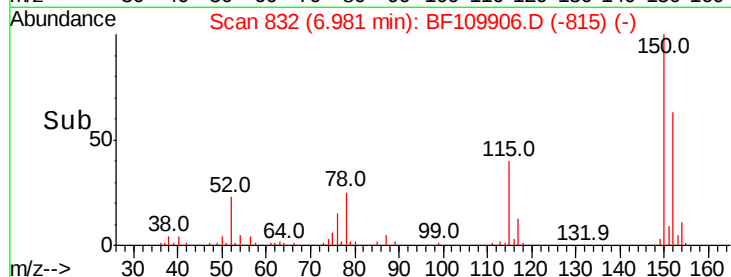
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF109906.D
Acq: 16 Oct 2018 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 247780
Ion Ratio Lower Upper
152 100
150 158.1 122.7 184.1
115 63.4 49.1 73.7



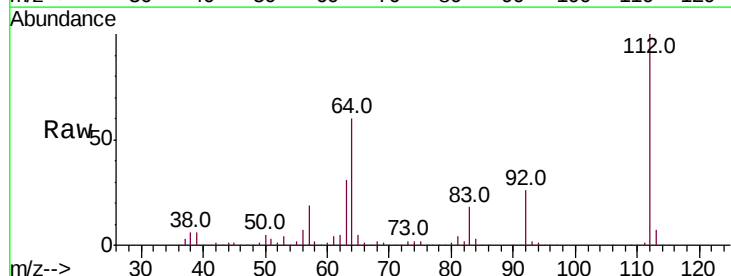
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



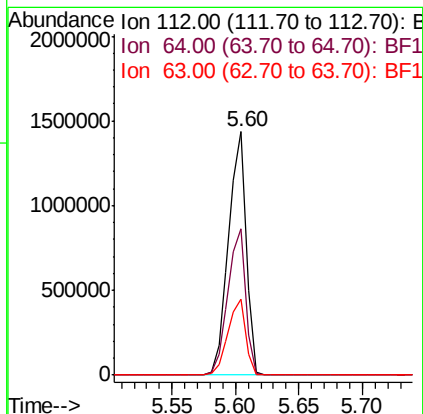
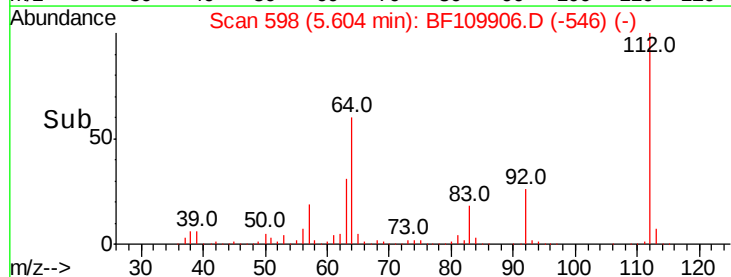
#5

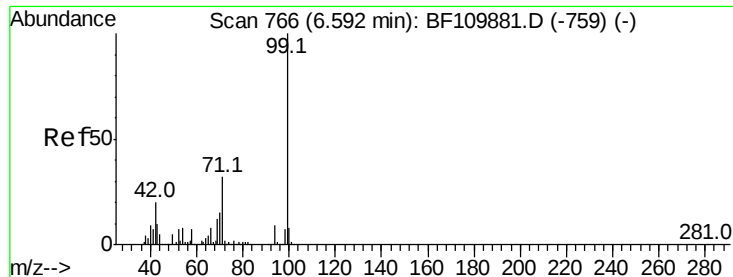
2-Fluorophenol
Concen: 88.695 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF109906.D
Acq: 16 Oct 2018 15:40

Tgt Ion:112 Resp: 1386427
Ion Ratio Lower Upper
112 100
64 60.1 44.1 66.1
63 31.2 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: 87.555 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF109906.D

Acq: 16 Oct 2018 15:40

Instrument :

BNA_F

ClientSampleId :

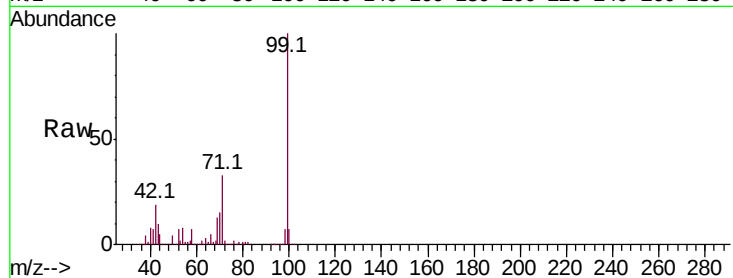
Tot Ion: 99 Resp: 1699459

Ion Ratio Lower Upper

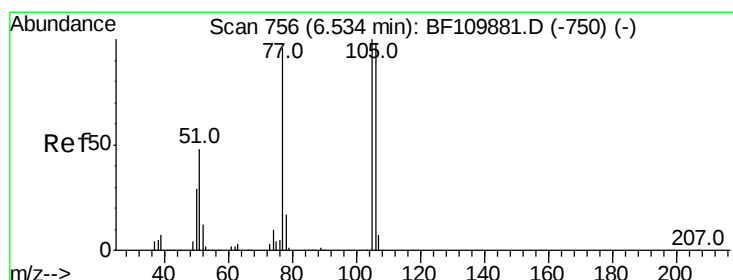
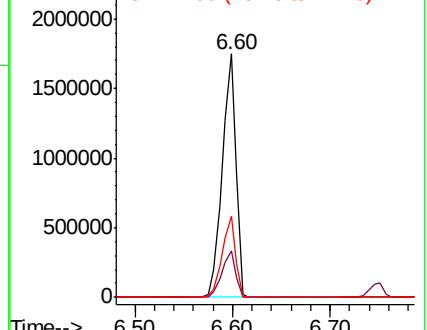
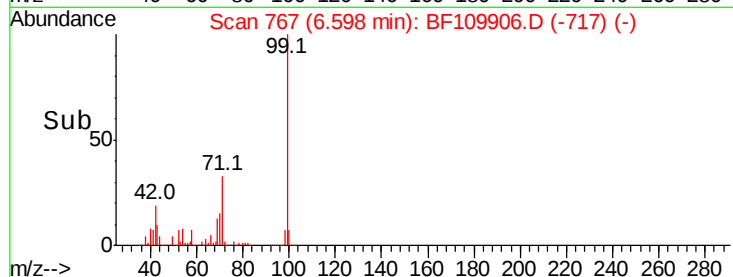
99 100

42 19.3 15.8 23.6

71 33.3 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



#9

Benzaldehyde

Concen: 2.504 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.22 min

Lab File: BF109906.D

Acq: 16 Oct 2018 15:40

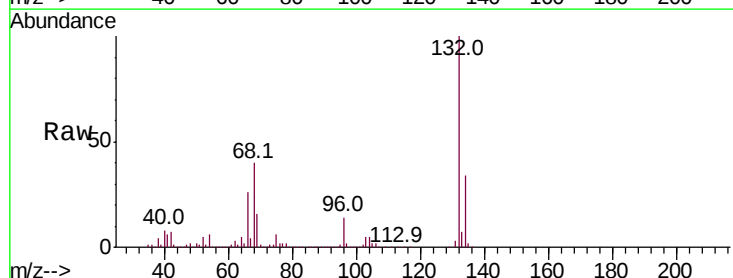
Tgt Ion: 77 Resp: 31579

Ion Ratio Lower Upper

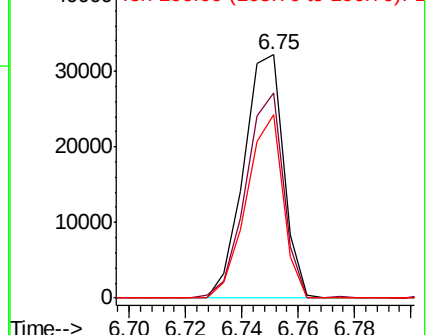
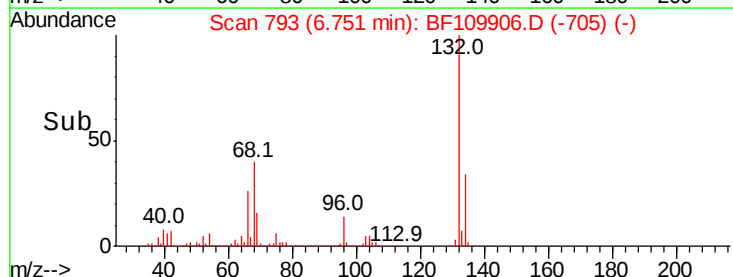
77 100

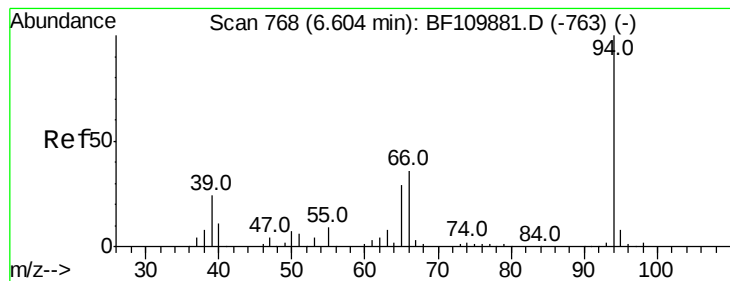
105 84.4 78.6 118.6

106 75.4 74.8 114.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.094 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF109906.D

Acq: 16 Oct 2018 15:40

Instrument :

BNA_F

ClientSampleId :

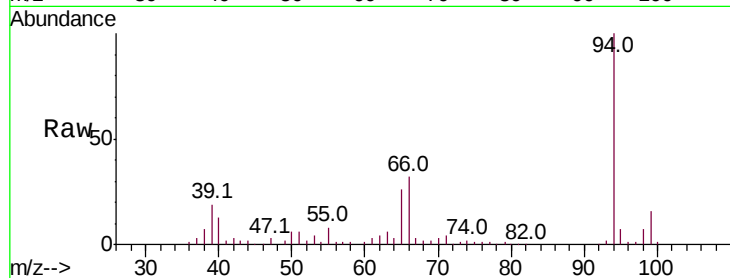
Tot Ion: 94 Resp: 85806

Ion Ratio Lower Upper

94 100

65 26.4 25.3 65.3

66 32.4 54.5 94.5#

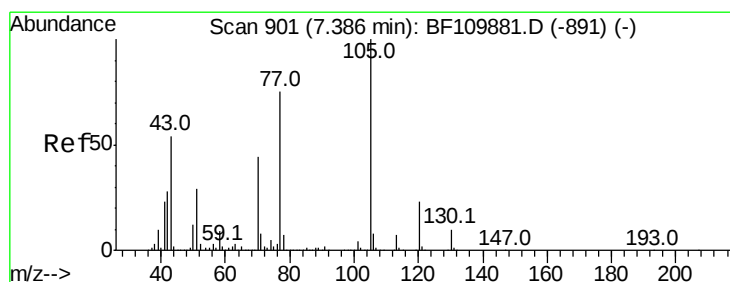
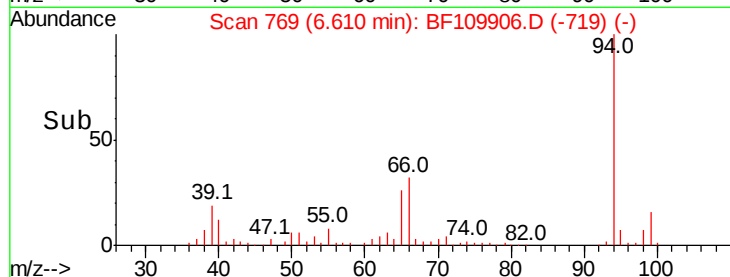
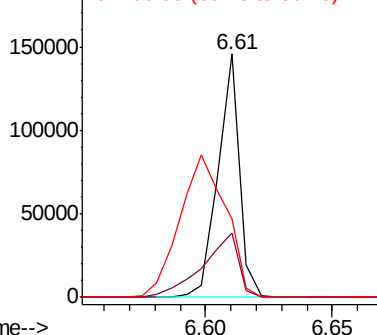


Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.041 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF109906.D

Acq: 16 Oct 2018 15:40

Tgt Ion: 70 Resp: 137597

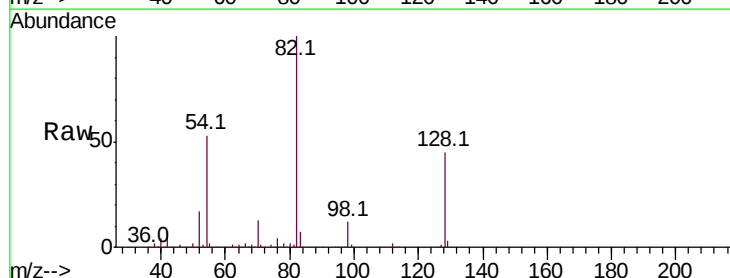
Ion Ratio Lower Upper

70 100

42 50.9 47.4 71.2

101 0.0 7.3 10.9#

130 2.4 16.2 24.2#



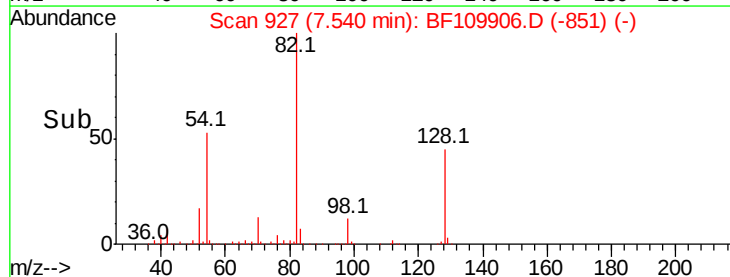
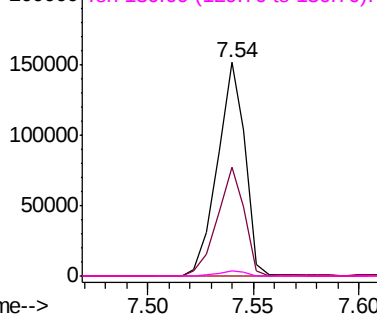
Abundance

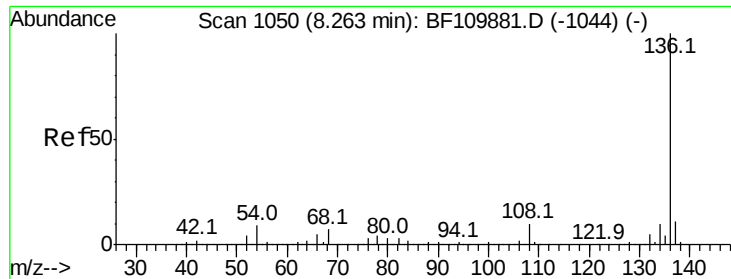
Ion 70.00 (69.70 to 70.70): BF1

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

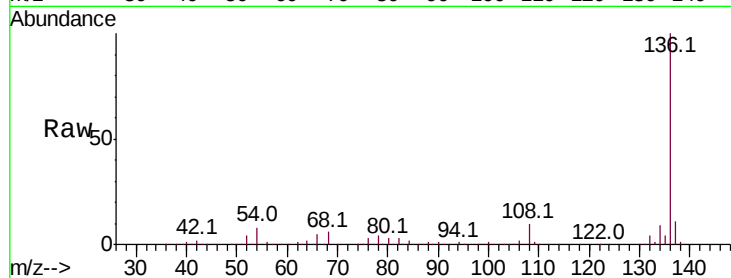




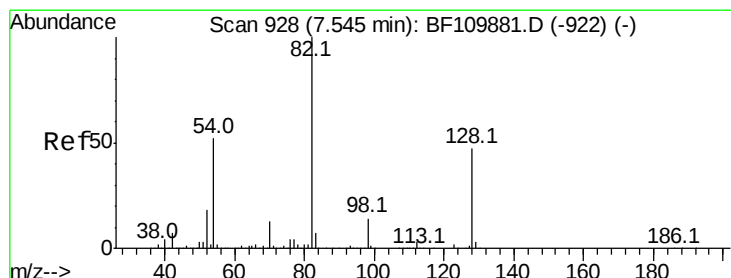
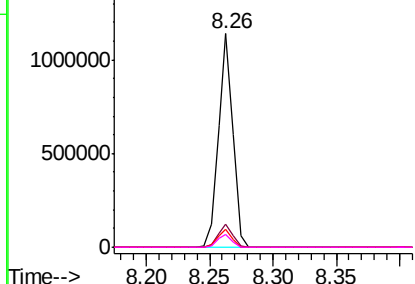
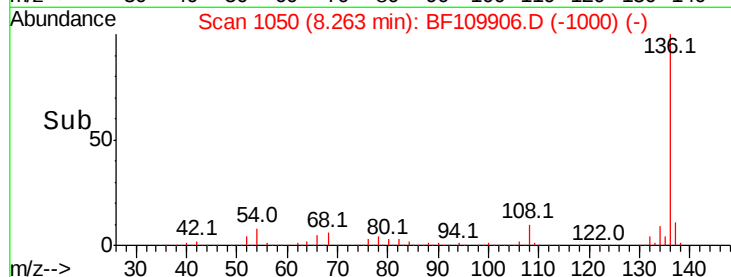
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF109906.D
Acq: 16 Oct 2018 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	914148
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.4	5.4	8.2#
68	6.1	4.2	6.2

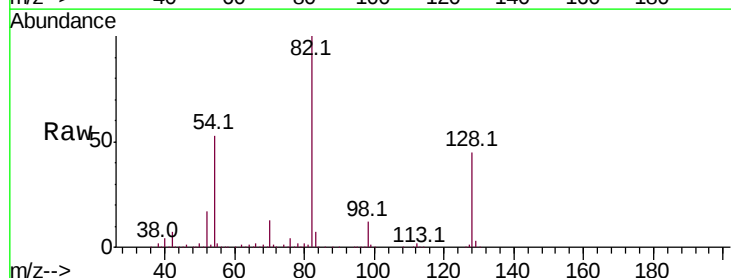


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

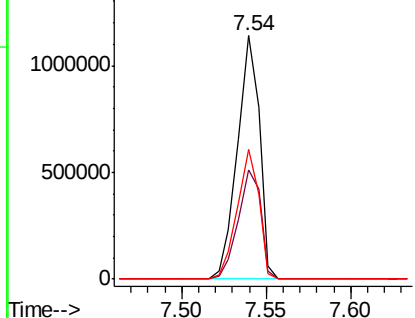
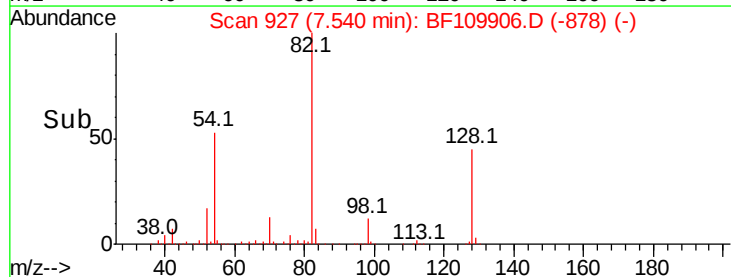


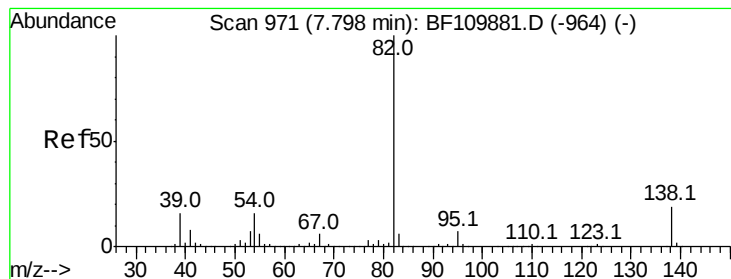
#23
Nitrobenzene-d5
Concen: 76.358 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF109906.D
Acq: 16 Oct 2018 15:40

Tgt Ion:	82	Resp:	1036202
Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.2	51.2
54	53.3	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: 38.868 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.26 min

Lab File: BF109906.D

Acq: 16 Oct 2018 15:40

Instrument :

BNA_F

ClientSampled :

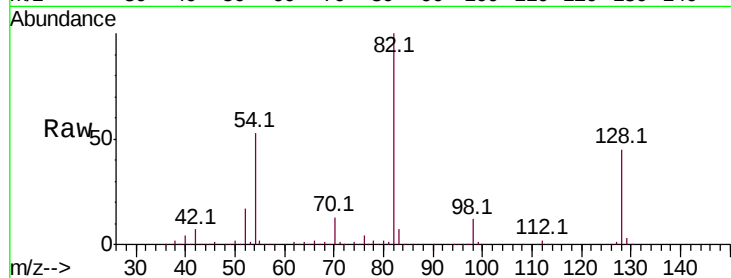
Tot Ion: 82 Resp: 1036384

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

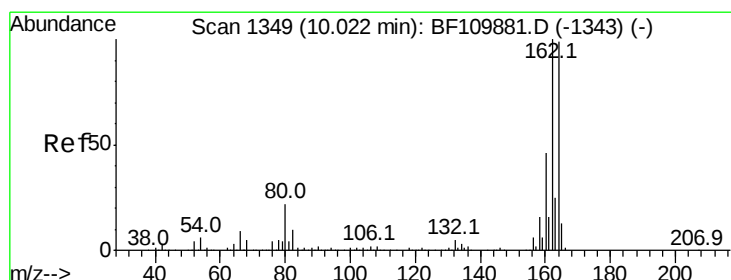
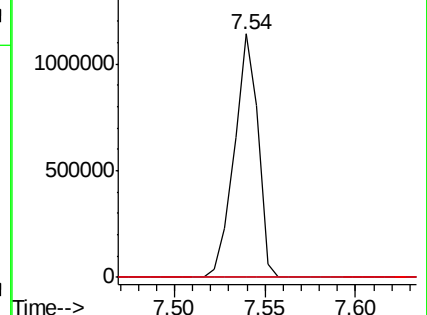
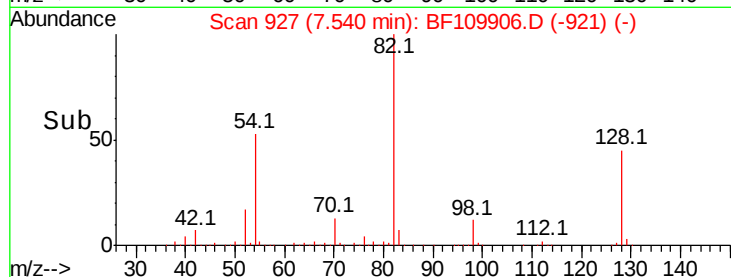
138 0.0 13.2 19.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BF109906.D

Acq: 16 Oct 2018 15:40

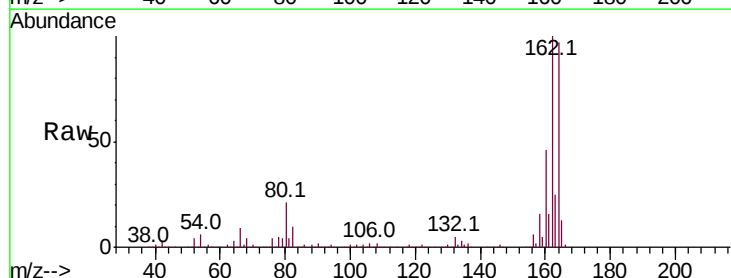
Tgt Ion:164 Resp: 348434

Ion Ratio Lower Upper

164 100

162 102.9 83.0 124.6

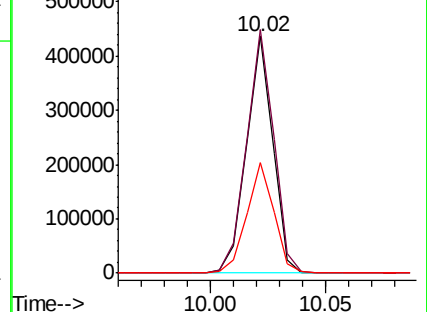
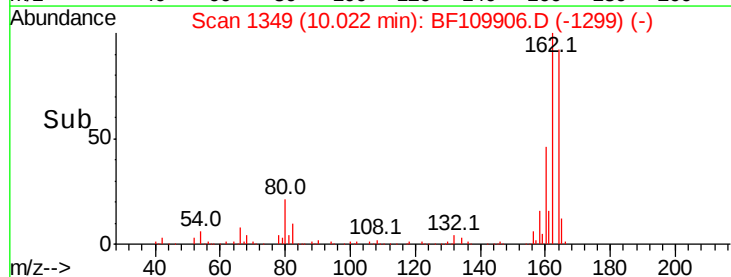
160 46.9 37.0 55.6

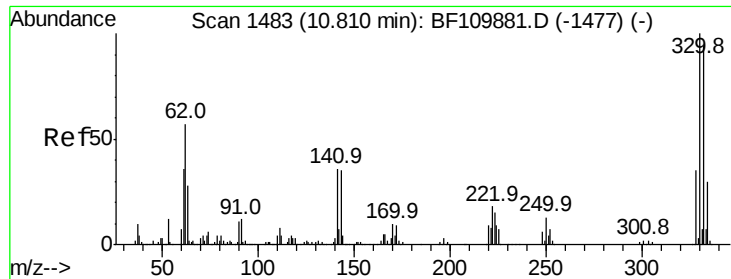


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

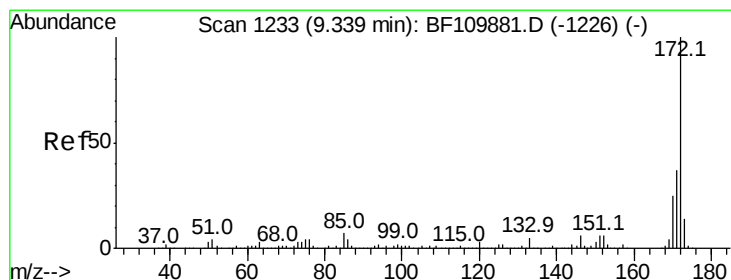
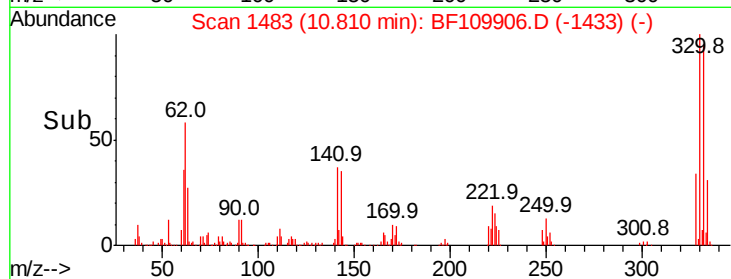
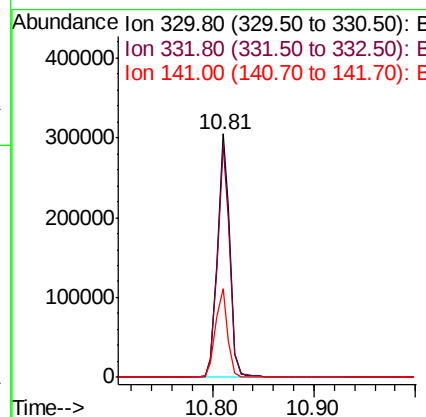
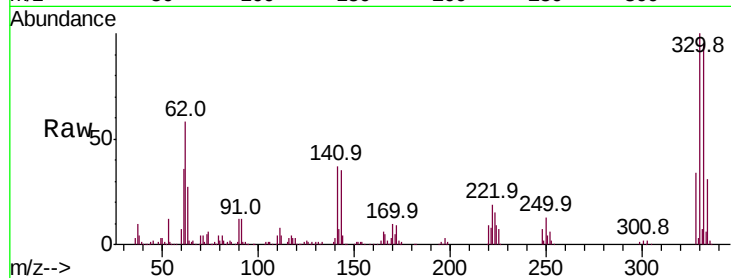




#42
 2,4,6-Tribromophenol
 Concen: 85.506 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: BF109906.D
 Acq: 16 Oct 2018 15:40

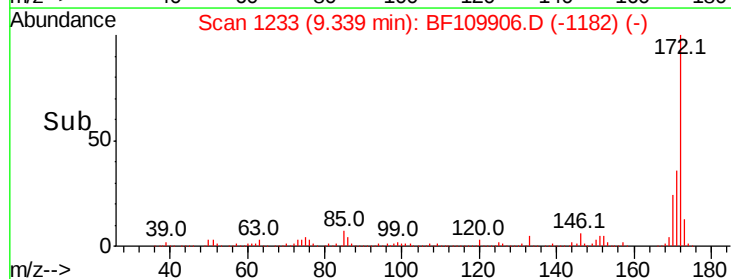
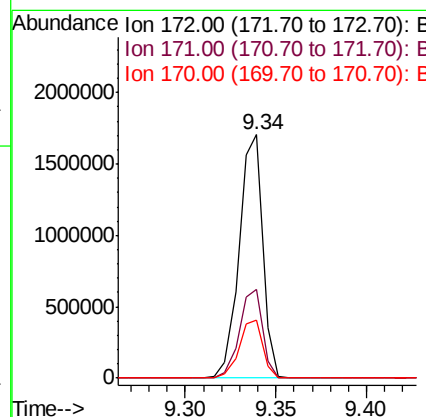
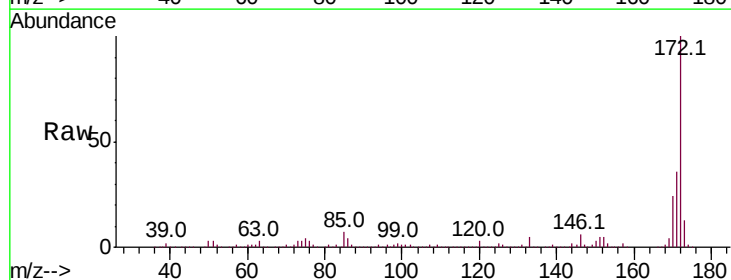
Instrument :
 BNA_F
 ClientSampleId :

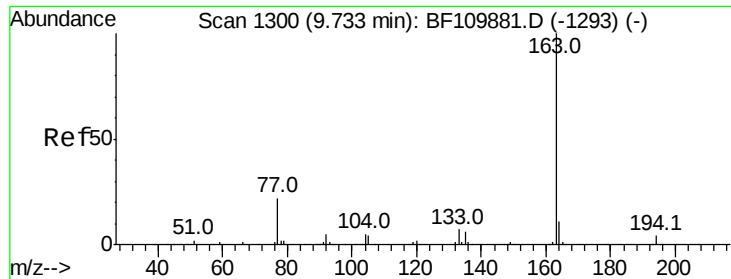
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.1	115.7
141	35.6	27.0	40.4



#45
 2-Fluorobiphenyl
 Concen: 70.677 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: BF109906.D
 Acq: 16 Oct 2018 15:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.0	19.7	29.5





#50

Dimethylphthalate

Concen: 8.930 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF109906.D

Acq: 16 Oct 2018 15:40

Instrument :

BNA_F

ClientSampleId :

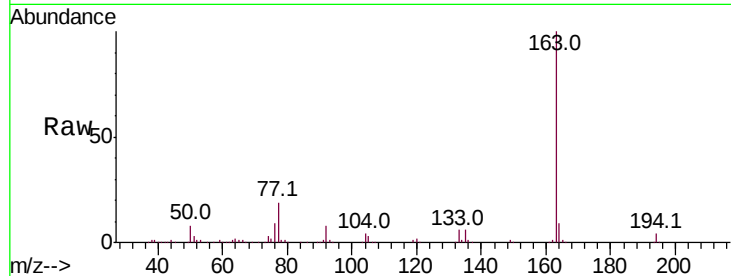
Tot Ion:163 Resp: 220330

Ion Ratio Lower Upper

163 100

194 3.6 3.2 4.8

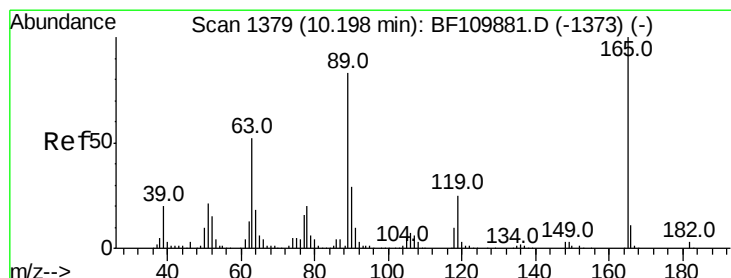
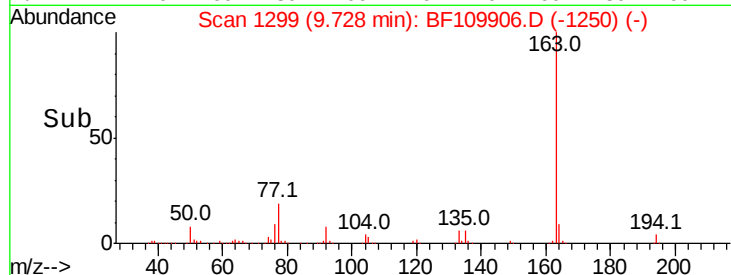
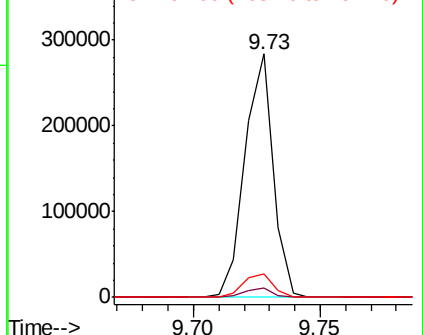
164 9.4 8.1 12.1



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: 11.497 ng

RT: 10.02 min Scan# 1349

Delta R.T. -0.19 min

Lab File: BF109906.D

Acq: 16 Oct 2018 15:40

Tgt Ion:165 Resp: 45249

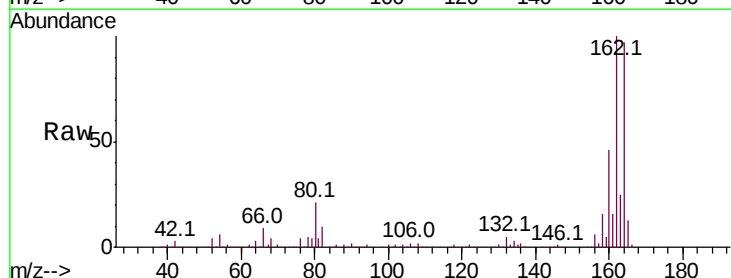
Ion Ratio Lower Upper

165 100

63 1.3 44.8 67.2#

89 1.7 62.2 93.4#

182 0.0 2.1 3.1#

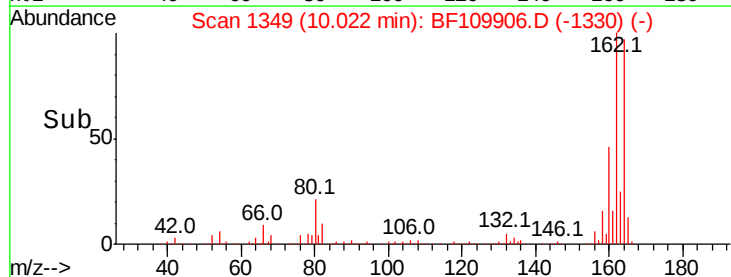
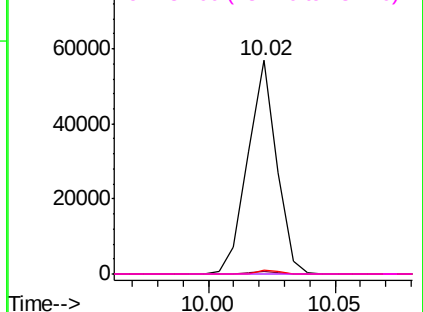


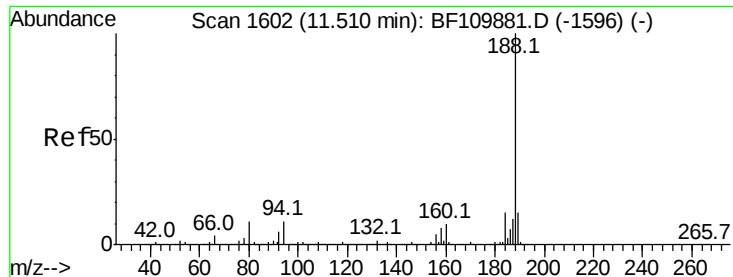
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BF109906.D

Acq: 16 Oct 2018 15:40

Instrument :

BNA_F

ClientSampleId :

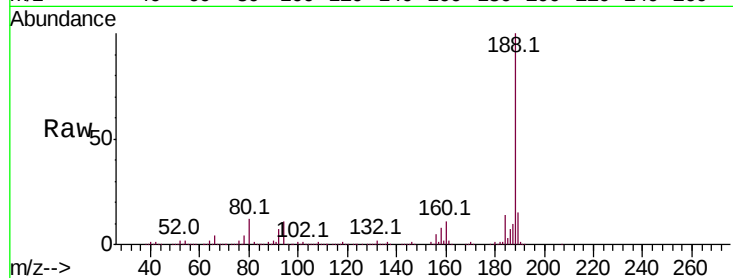
Tot Ion:188 Resp: 530998

Ion Ratio Lower Upper

188 100

94 10.9 7.2 10.8#

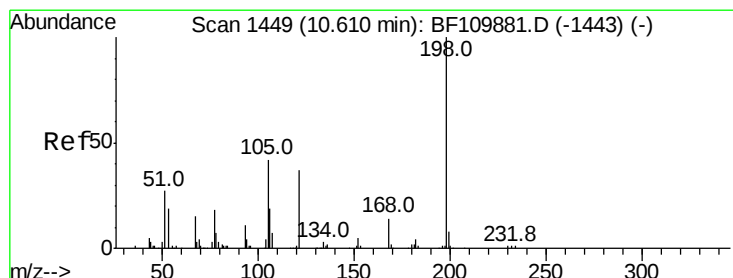
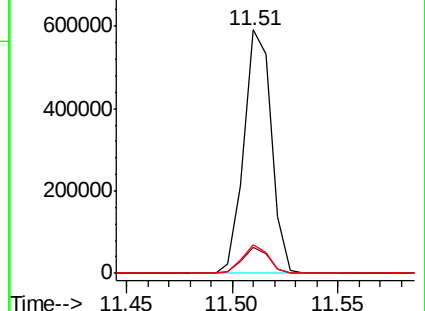
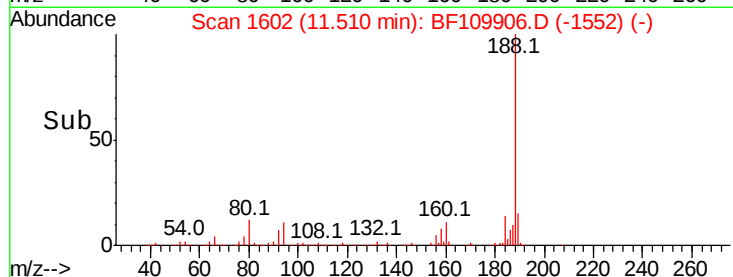
80 11.9 7.9 11.9#



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: 8.009 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.19 min

Lab File: BF109906.D

Acq: 16 Oct 2018 15:40

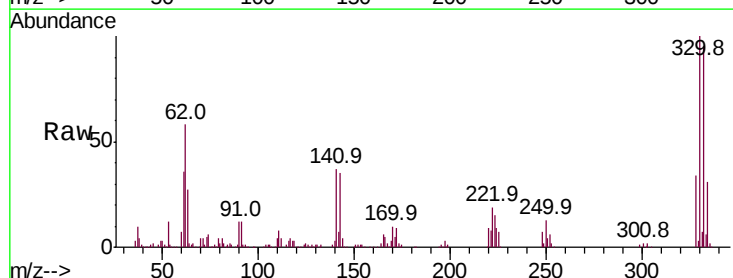
Tgt Ion:198 Resp: 240

Ion Ratio Lower Upper

198 100

51 283.4 22.8 62.8#

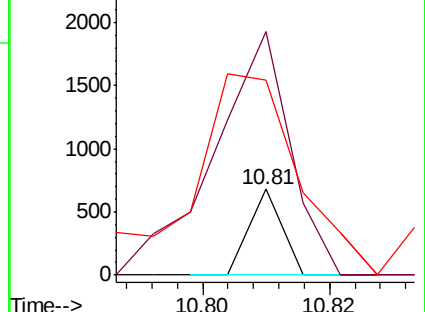
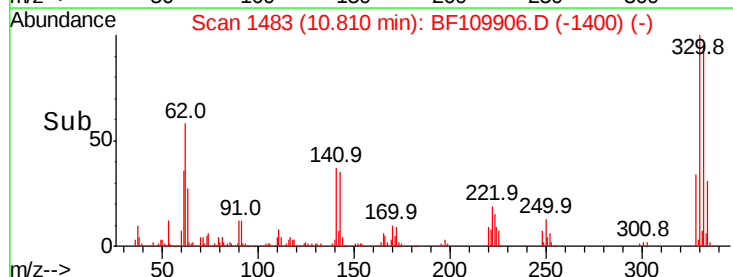
105 227.6 23.6 63.6#

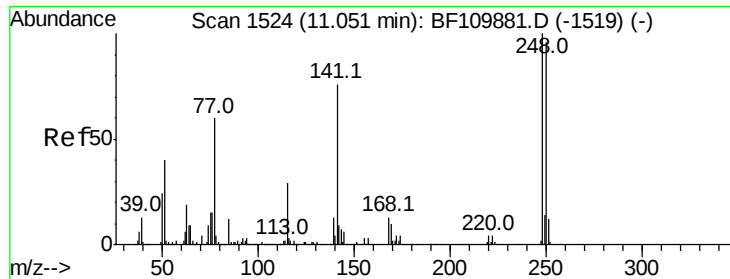


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

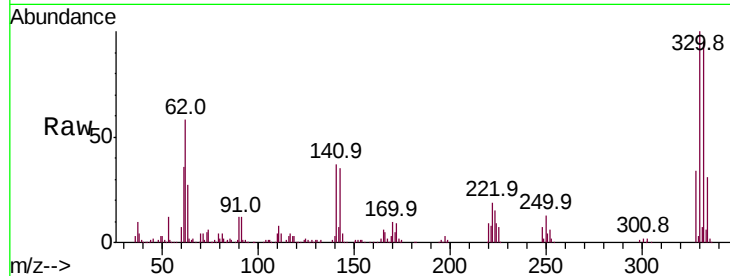




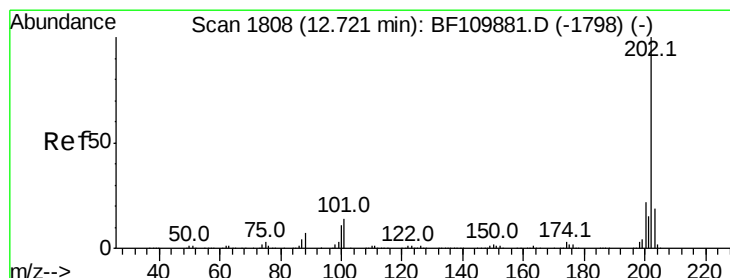
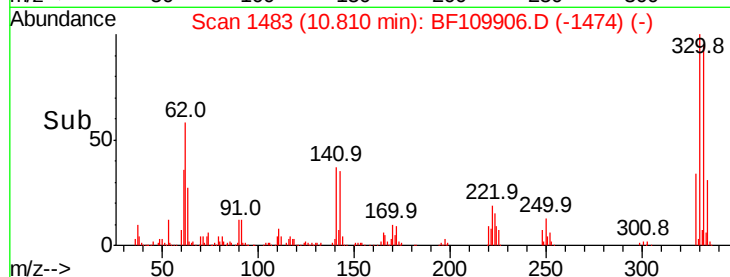
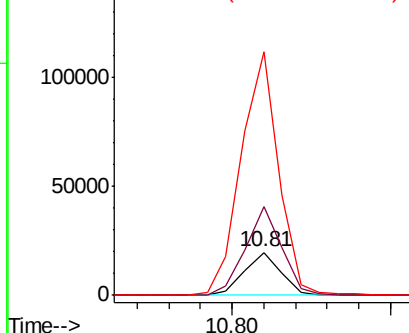
#67
 4-Bromophenyl-phenylether
 Concen: 2.746 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.25 min
 Lab File: BF109906.D
 Acq: 16 Oct 2018 15:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 15805
 Ion Ratio Lower Upper
 248 100
 250 205.3 79.4 119.2#
 141 562.7 55.9 83.9#

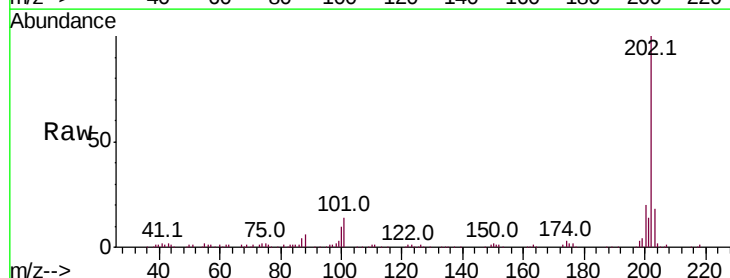


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

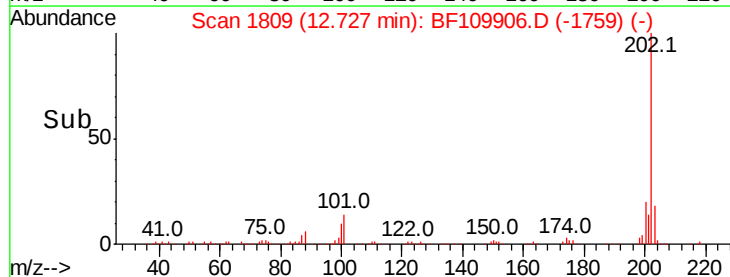
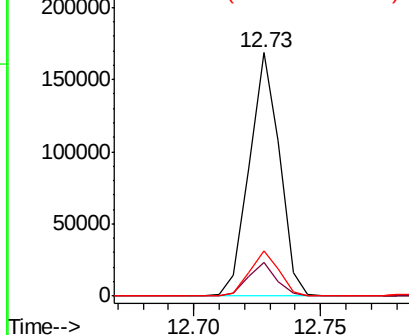


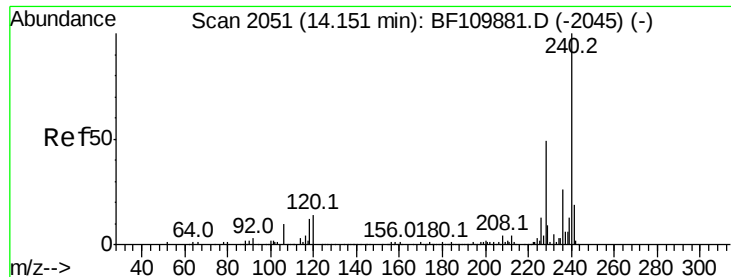
#75
 Fluoranthene
 Concen: 5.115 ng
 RT: 12.73 min Scan# 1809
 Delta R.T. -0.01 min
 Lab File: BF109906.D
 Acq: 16 Oct 2018 15:40

Tgt Ion:202 Resp: 140470
 Ion Ratio Lower Upper
 202 100
 101 13.7 0.0 31.4
 203 18.4 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

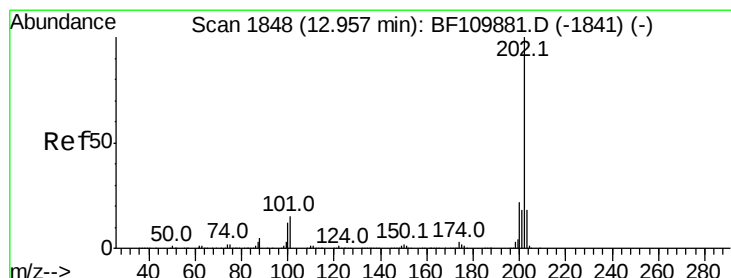
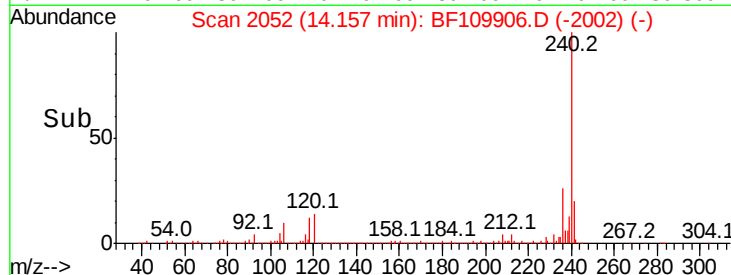
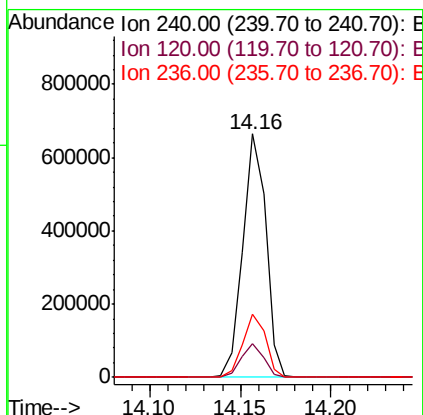
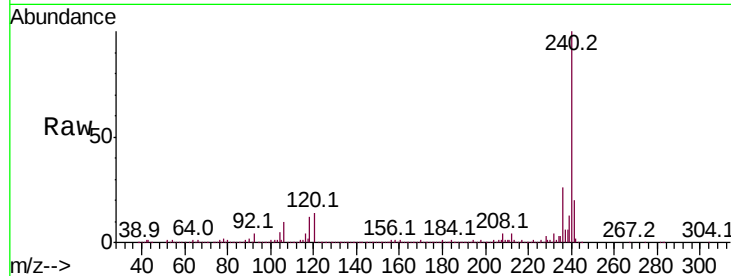




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF109906.D
Acq: 16 Oct 2018 15:40

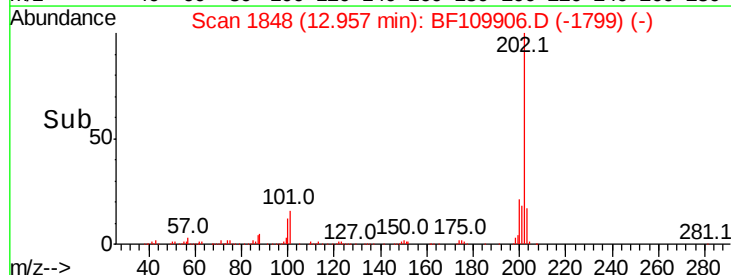
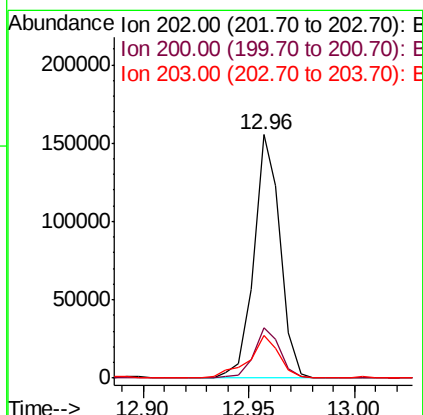
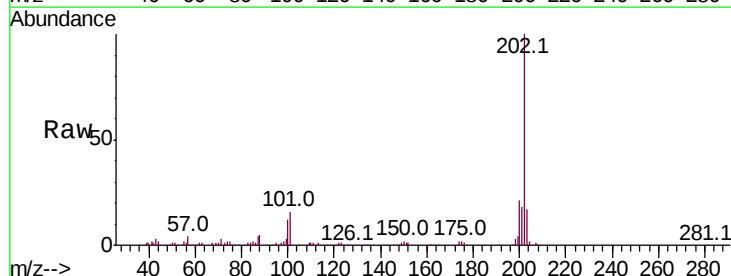
Instrument :
BNA_F
ClientSampleId :

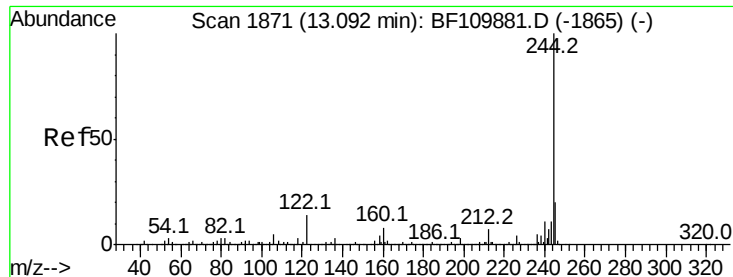
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.8	8.3	12.5#
236	25.7	21.2	31.8



#78
Pyrene
Concen: 3.097 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF109906.D
Acq: 16 Oct 2018 15:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.8	26.6
203	17.4	14.2	21.4





#79

Terphenyl-d14

Concen: 43.491 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BF109906.D

Acq: 16 Oct 2018 15:40

Instrument :

BNA_F

ClientSampleId :

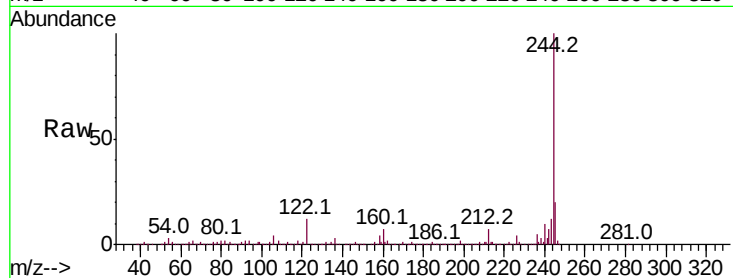
Tot Ion:244 Resp: 1224311

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

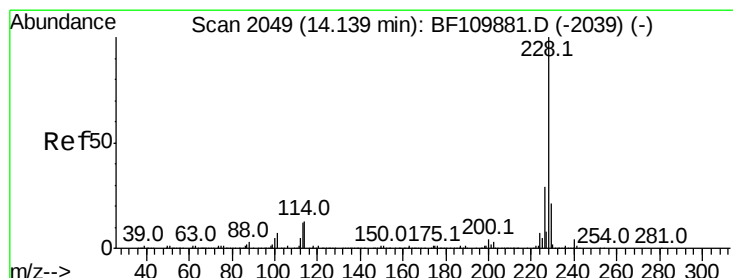
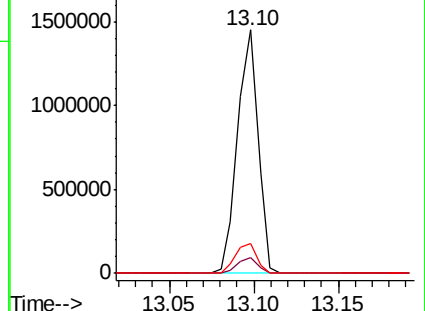
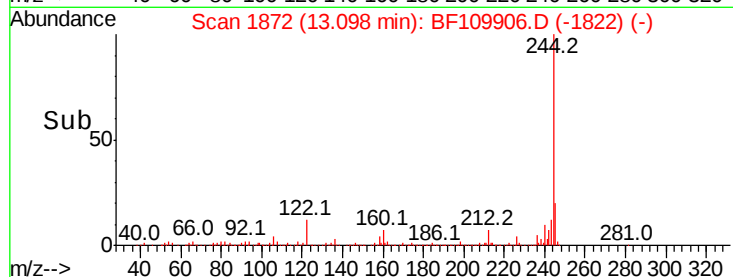
122 12.4 8.7 13.1



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: 2.545 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF109906.D

Acq: 16 Oct 2018 15:40

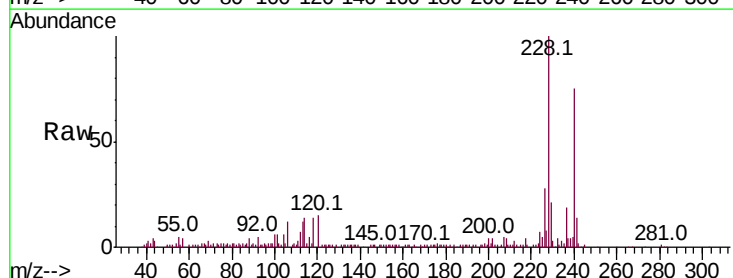
Tgt Ion:228 Resp: 88601

Ion Ratio Lower Upper

228 100

226 27.6 22.1 33.1

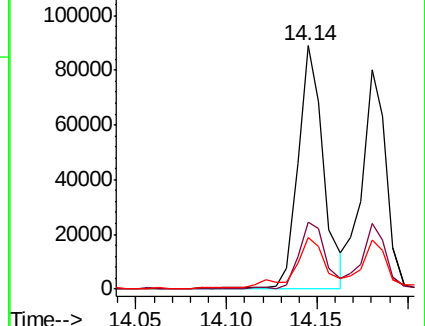
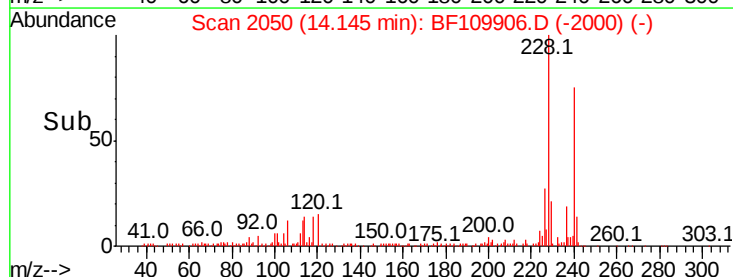
229 21.2 15.6 23.4

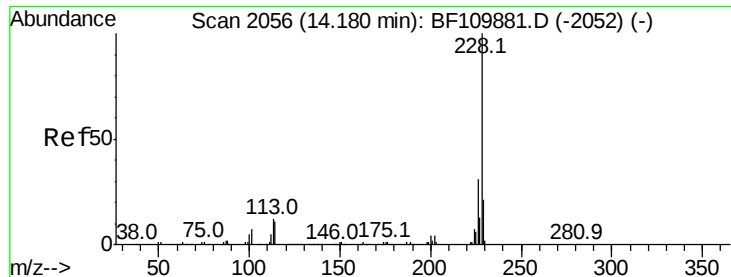


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

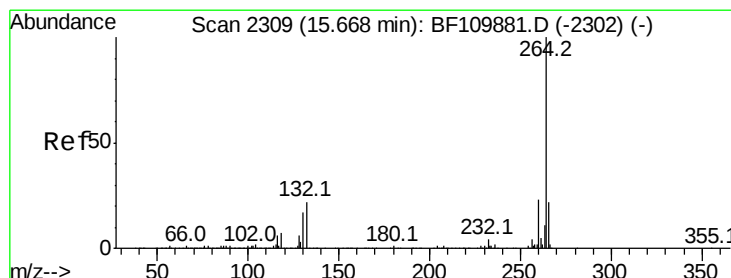
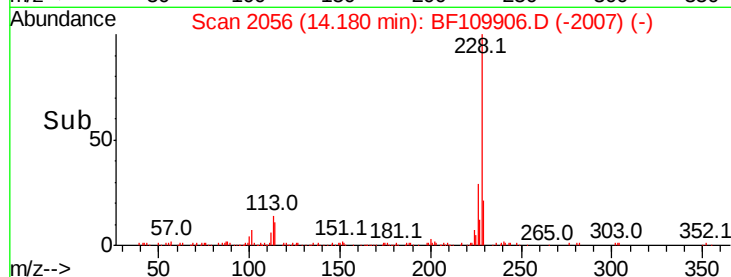
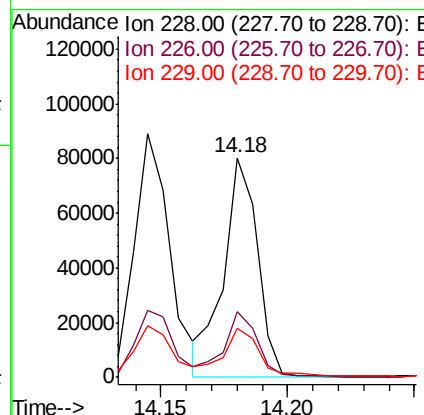
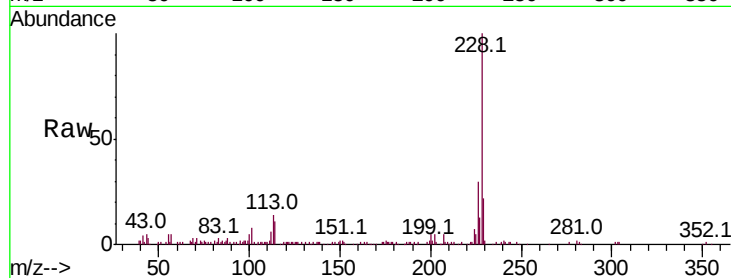




#83
Chrysene
Concen: 2.267 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF109906.D
Acq: 16 Oct 2018 15:40

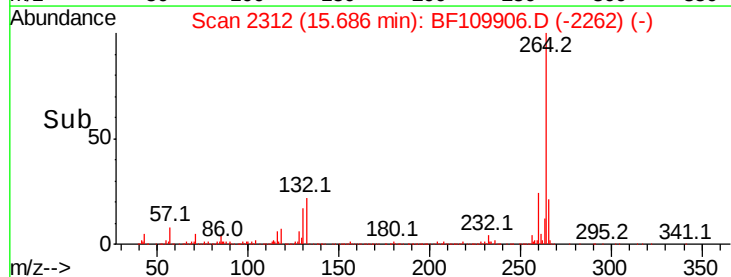
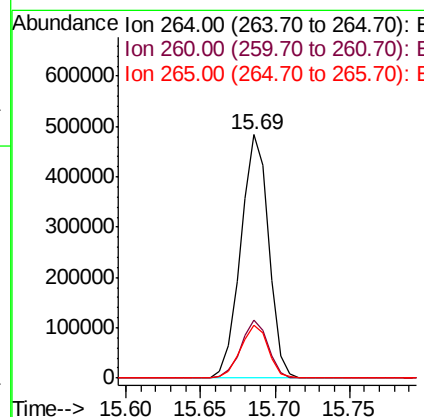
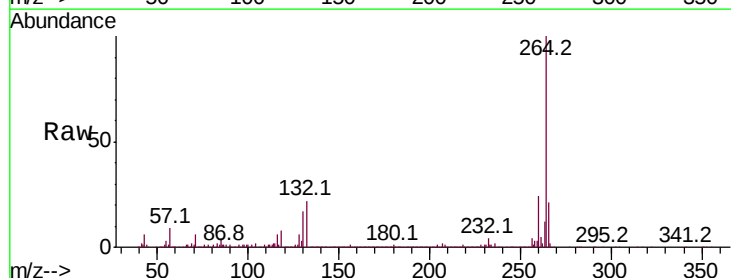
Instrument :
BNA_F
ClientSampled :

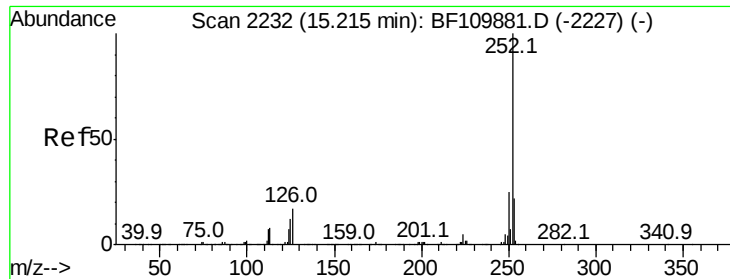
Tot Ion:228 Resp: 75151
Ion Ratio Lower Upper
228 100
226 29.7 24.7 37.1
229 22.3 15.9 23.9



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2312
Delta R.T. -0.01 min
Lab File: BF109906.D
Acq: 16 Oct 2018 15:40

Tgt Ion:264 Resp: 629990
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 21.5 16.7 25.1

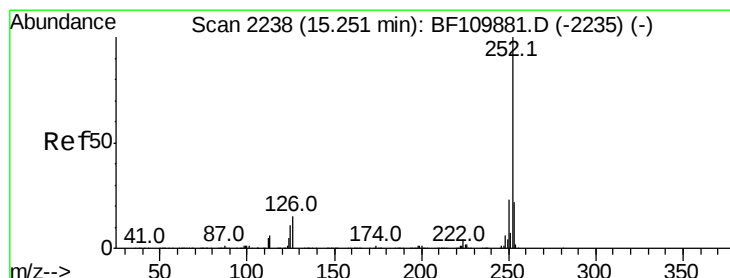
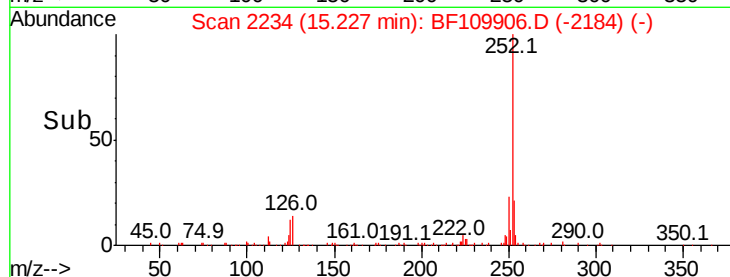
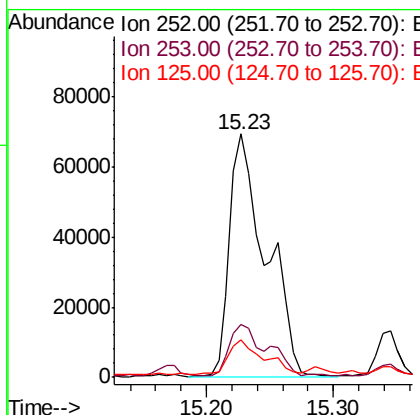
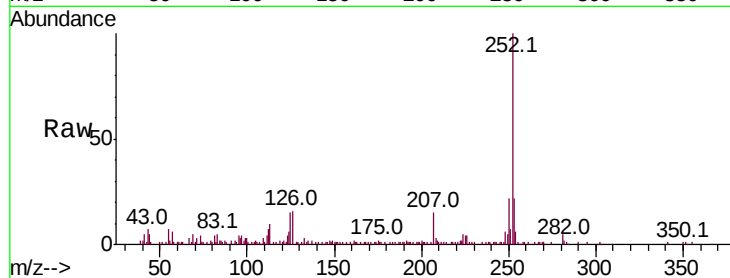




#88
Benzo(b)fluoranthene
Concen: 3.825 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF109906.D
Acq: 16 Oct 2018 15:40

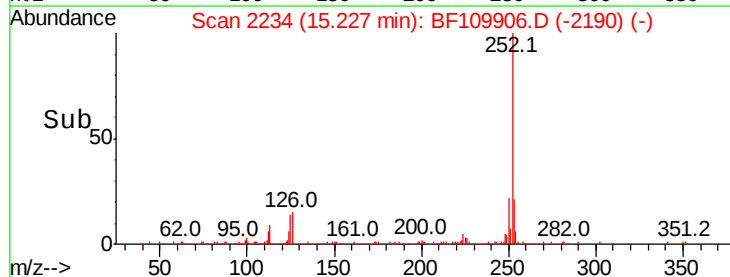
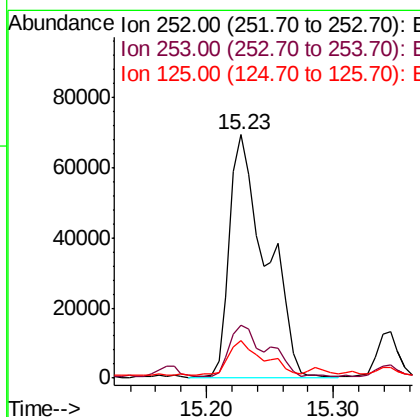
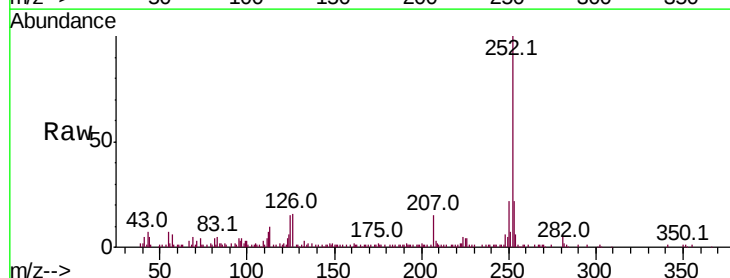
Instrument :
BNA_F
ClientSampled :

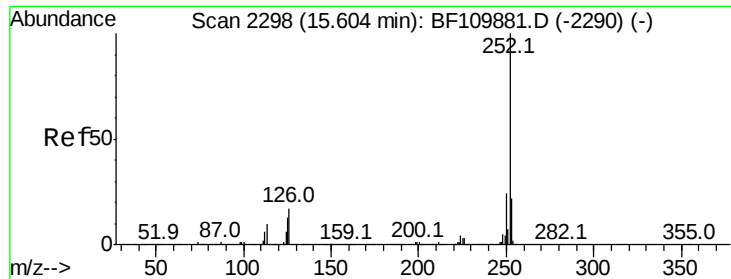
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	15.4	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 3.881 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF109906.D
Acq: 16 Oct 2018 15:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	15.4	7.4	11.0





#90

Benzo(a)pyrene

Concen: 2.324 ng

RT: 15.62 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BF109906.D

Acq: 16 Oct 2018 15:40

Instrument :

BNA_F

ClientSampleId :

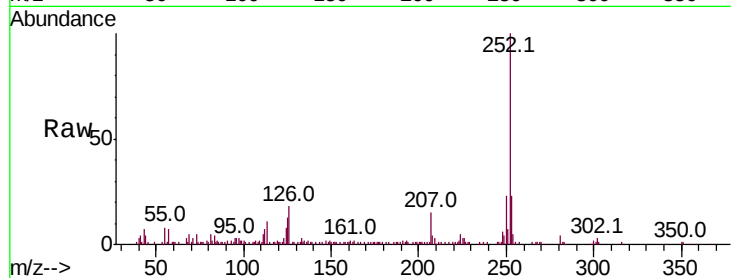
Tot Ion:252 Resp: 77617

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.4

125 12.7 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

