

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101618\
 Data File : BF109905.D
 Acq On : 16 Oct 2018 15:13
 Operator : JU/SJ
 Sample : J5526-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 16:28:49 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	267527	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	976482	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	365653	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	547104	20.00	ng	0.00
76) Chrysene-d12	14.16	240	634306	20.00	ng	0.00
87) Perylene-d12	15.69	264	665754	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1284944	76.13	ng	0.00
7) Phenol-d6	6.60	99	1584260	75.60	ng	0.00
23) Nitrobenzene-d5	7.54	82	957231	66.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.81	330	234687	74.13	ng	0.00
45) 2-Fluorobiphenyl	9.34	172	1458609	63.65	ng	0.00
79) Terphenyl-d14	13.10	244	1145182	37.91	ng	0.00

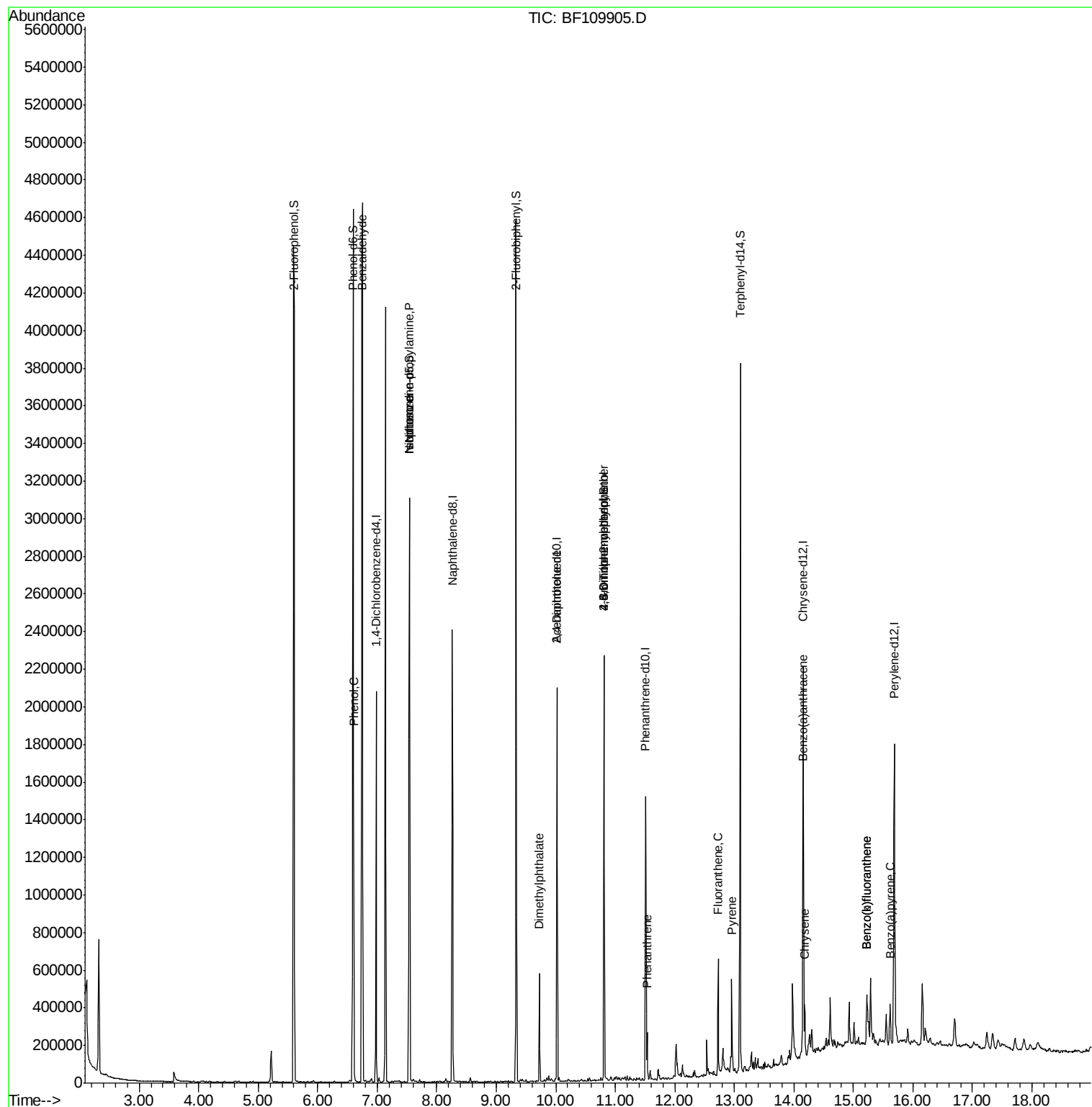
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	28711	2.108	ng	82
10) Phenol	6.61	94	74642	3.299	ng	# 59
19) n-Nitroso-di-n-propylamine	7.54	70	125560	9.331	ng	# 81
25) Isophorone	7.54	82	957216	33.607	ng	# 67
50) Dimethylphthalate	9.73	163	205564	7.939	ng	98
57) 2,4-Dinitrotoluene	10.02	165	47077	11.438	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.81	198	434	8.087	ng	# 1
67) 4-Bromophenyl-phenylether	10.81	248	14442	2.436	ng	# 1
71) Phenanthrene	11.53	178	86911	3.068	ng	100
75) Fluoranthene	12.73	202	201601	7.125	ng	98
78) Pyrene	12.96	202	188717	4.051	ng	99
81) Benzo(a)anthracene	14.14	228	107366	2.874	ng	99
83) Chrysene	14.18	228	102530	2.883	ng	96
88) Benzo(b)fluoranthene	15.23	252	197541	5.147	ng	# 96
89) Benzo(k)fluoranthene	15.23	252	197541	5.222	ng	# 95
90) Benzo(a)pyrene	15.62	252	106466	3.016	ng	# 97

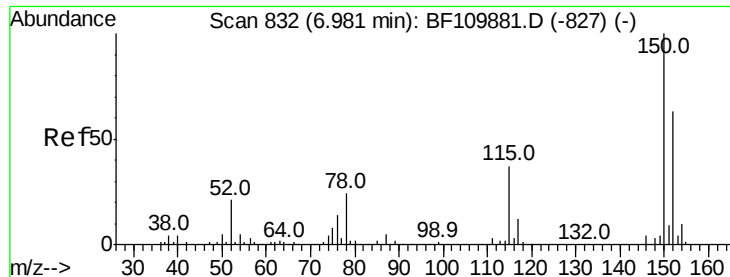
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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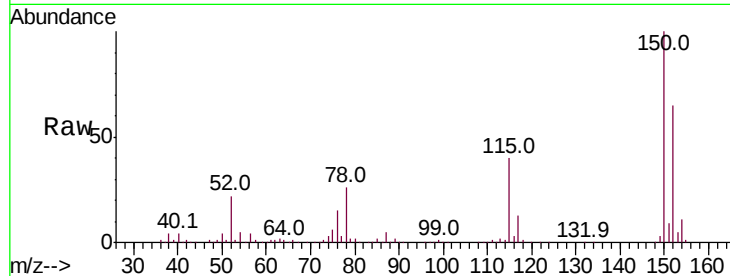


#1

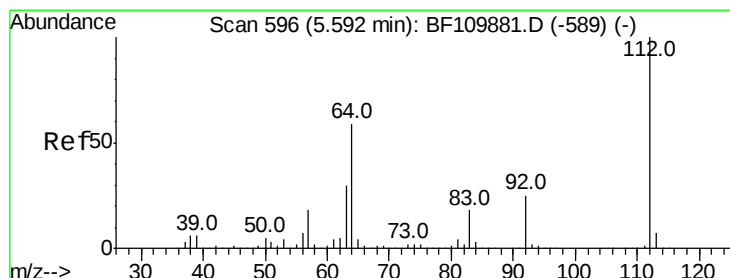
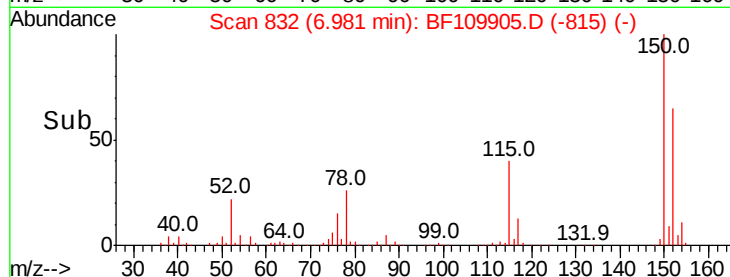
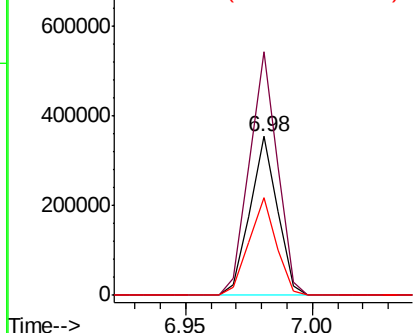
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF109905.D
Acq: 16 Oct 2018 15:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 267527
Ion Ratio Lower Upper
152 100
150 153.4 122.7 184.1
115 61.2 49.1 73.7



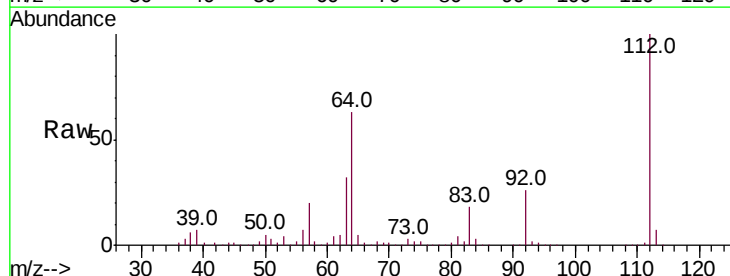
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



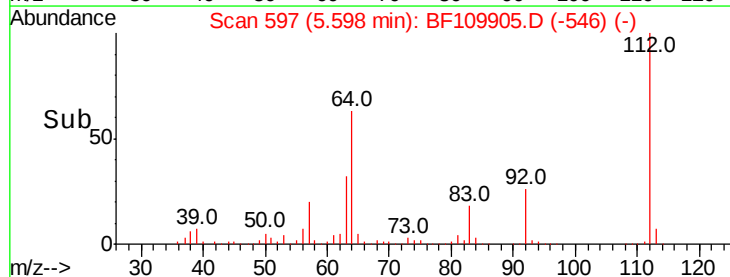
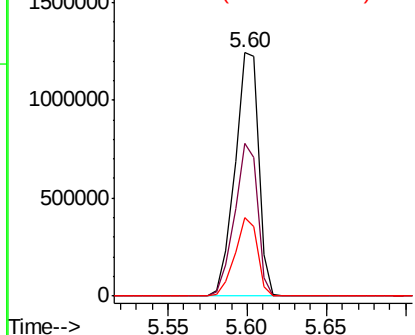
#5

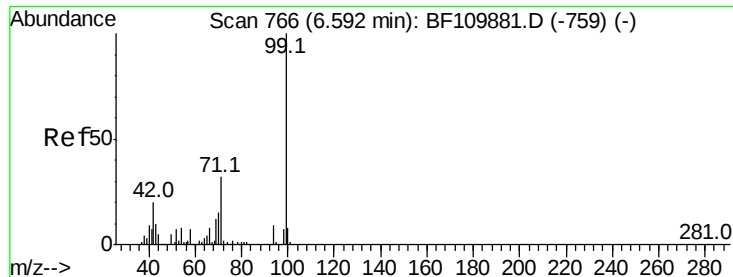
2-Fluorophenol
Concen: 76.135 ng
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF109905.D
Acq: 16 Oct 2018 15:13

Tgt Ion:112 Resp: 1284944
Ion Ratio Lower Upper
112 100
64 62.6 44.1 66.1
63 32.4 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: 75.595 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF109905.D

Acq: 16 Oct 2018 15:13

Instrument :

BNA_F

ClientSampleId :

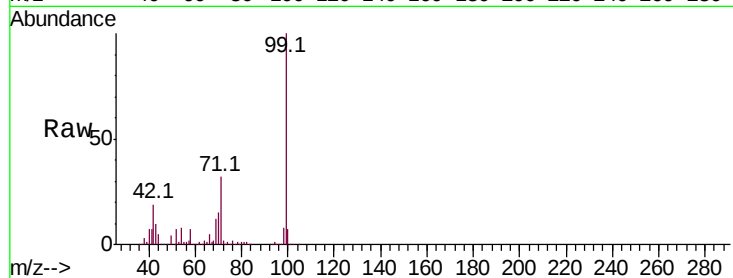
Tot Ion: 99 Resp: 1584260

Ion Ratio Lower Upper

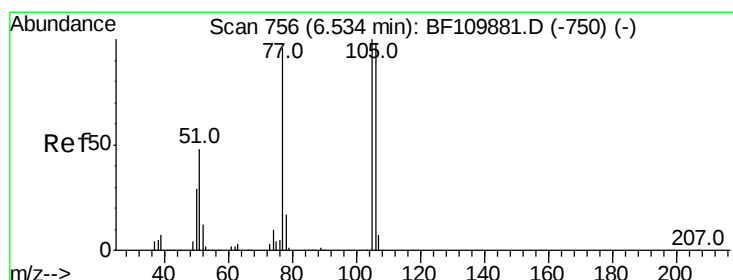
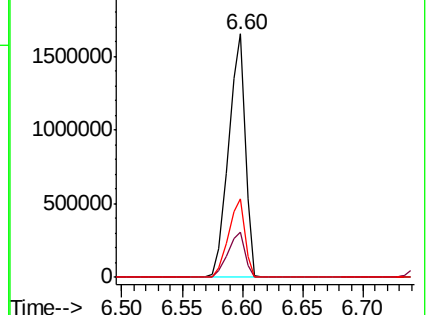
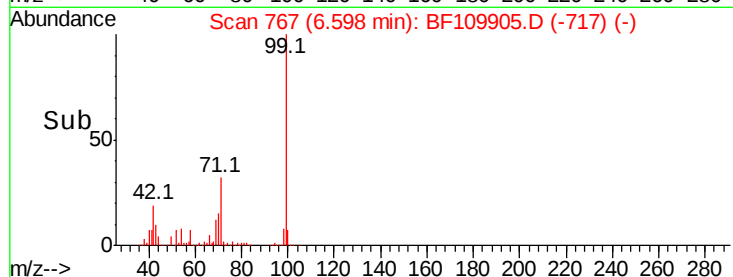
99 100

42 18.6 15.8 23.6

71 32.2 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: 2.108 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.22 min

Lab File: BF109905.D

Acq: 16 Oct 2018 15:13

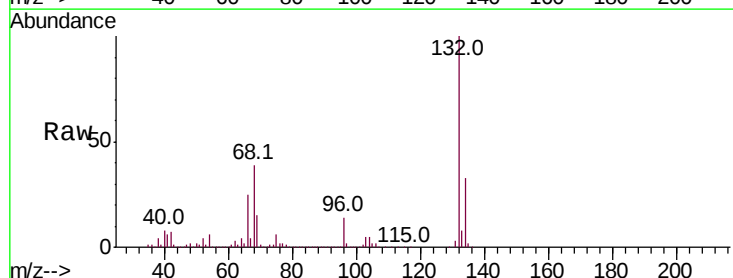
Tgt Ion: 77 Resp: 28711

Ion Ratio Lower Upper

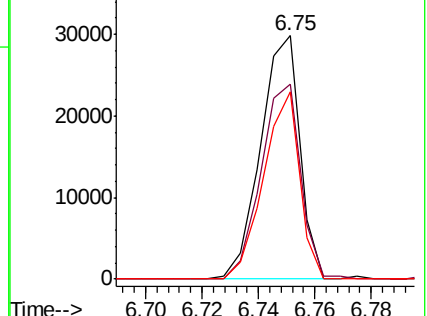
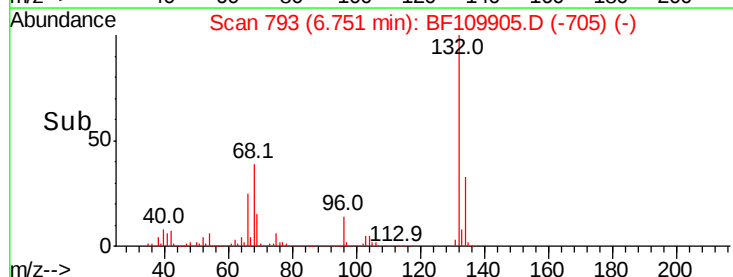
77 100

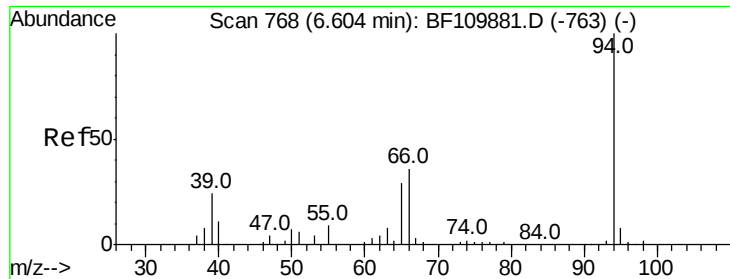
105 80.0 78.6 118.6

106 77.1 74.8 114.8



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

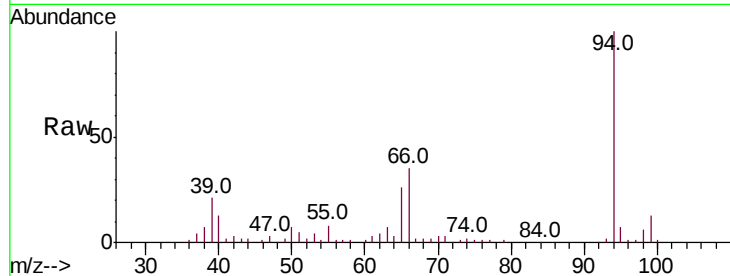




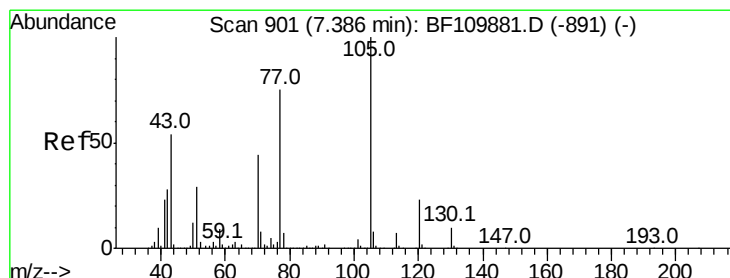
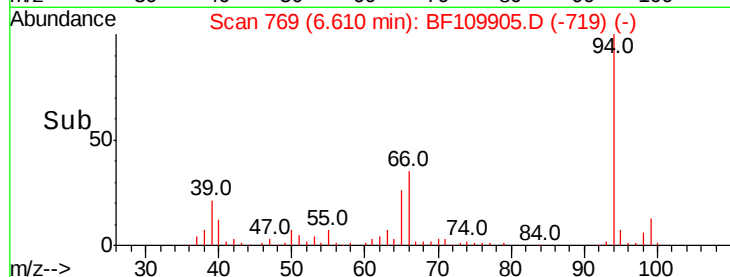
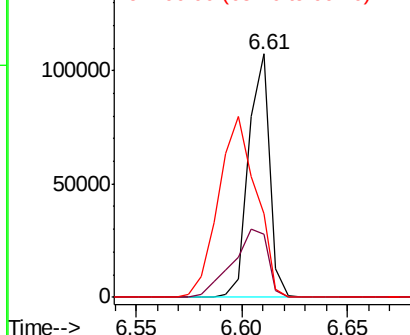
#10
Phenol
Concen: 3.299 ng
RT: 6.61 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF109905.D
Acq: 16 Oct 2018 15:13

Instrument :
BNA_F
ClientSampled :

Tot Ion: 94 Resp: 74642
Ion Ratio Lower Upper
94 100
65 25.7 25.3 65.3
66 34.5 54.5 94.5#

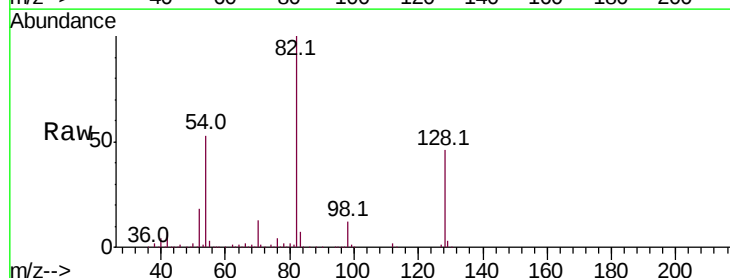


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

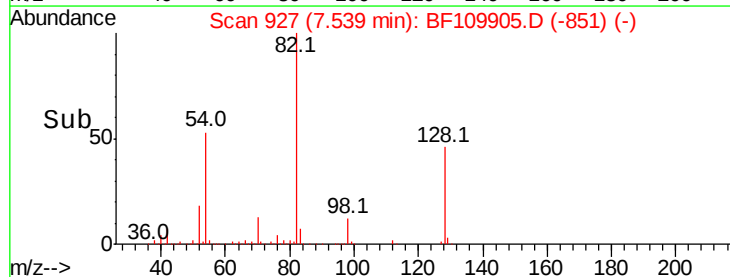
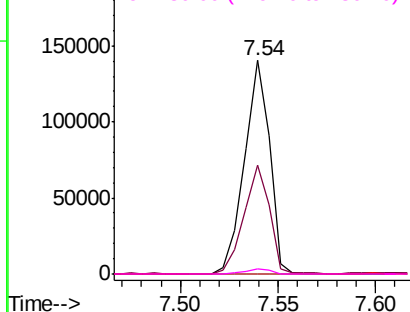


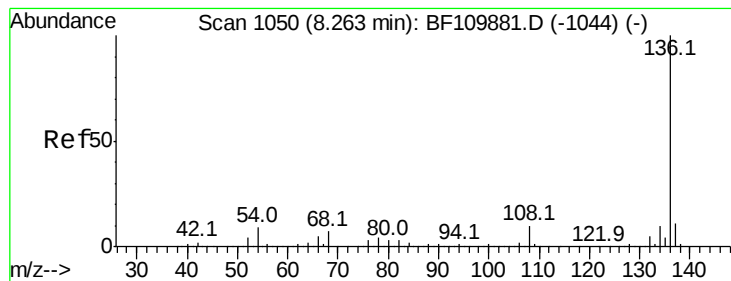
#19
n-Nitroso-di-n-propylamine
Concen: 9.331 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.15 min
Lab File: BF109905.D
Acq: 16 Oct 2018 15:13

Tgt Ion: 70 Resp: 125560
Ion Ratio Lower Upper
70 100
42 51.1 47.4 71.2
101 0.0 7.3 10.9#
130 2.3 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: BF109905.D

Acq: 16 Oct 2018 15:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 976482

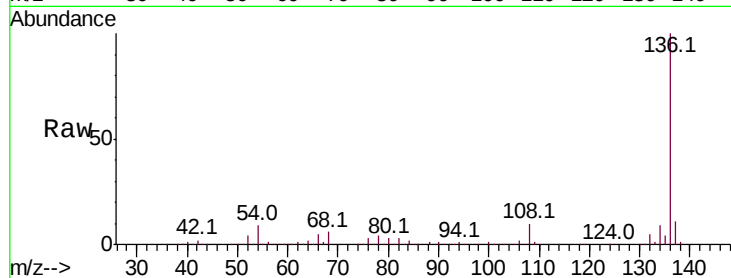
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 8.9 5.4 8.2#

68 6.5 4.2 6.2#

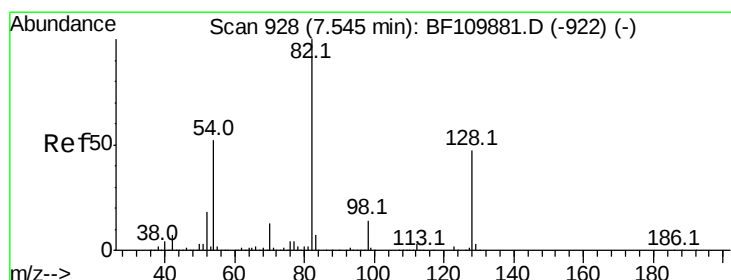
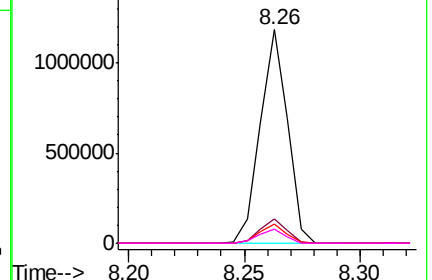
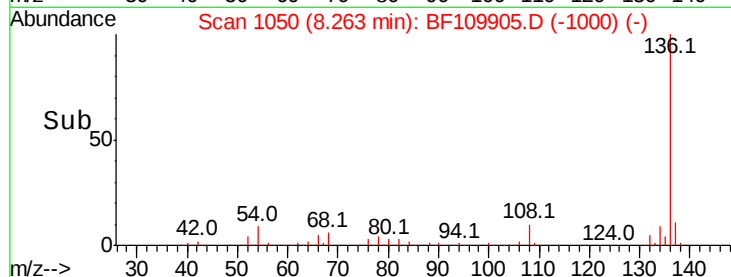


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.036 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF109905.D

Acq: 16 Oct 2018 15:13

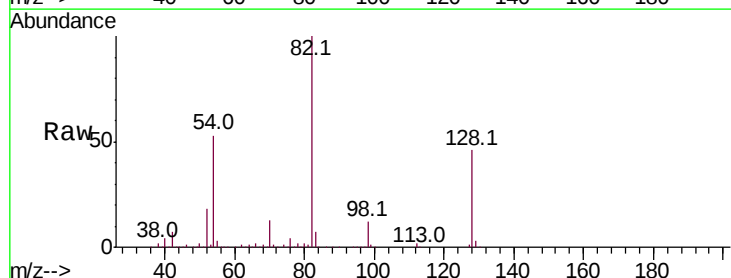
Tgt Ion: 82 Resp: 957231

Ion Ratio Lower Upper

82 100

128 45.6 34.2 51.2

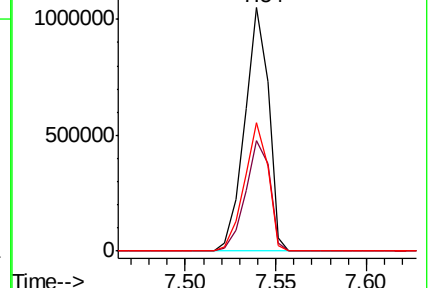
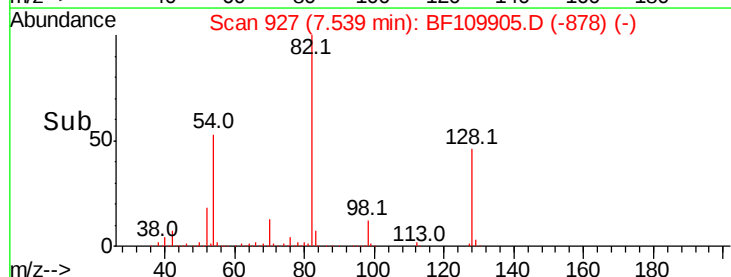
54 52.6 38.6 58.0

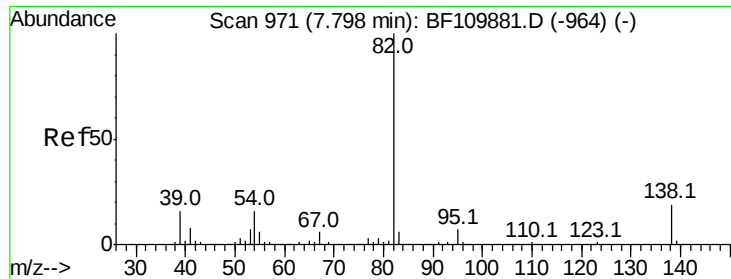


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.607 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.26 min

Lab File: BF109905.D

Acq: 16 Oct 2018 15:13

Instrument :

BNA_F

ClientSampled :

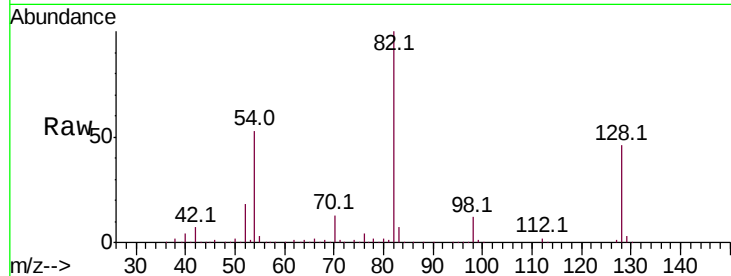
Tot Ion: 82 Resp: 957216

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

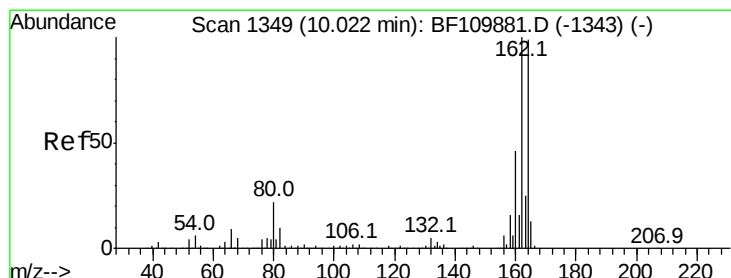
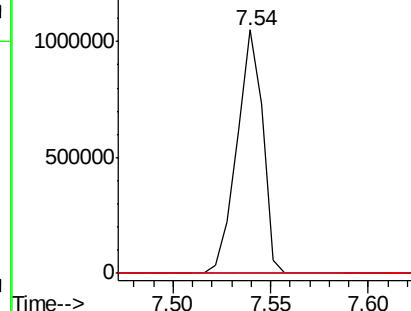
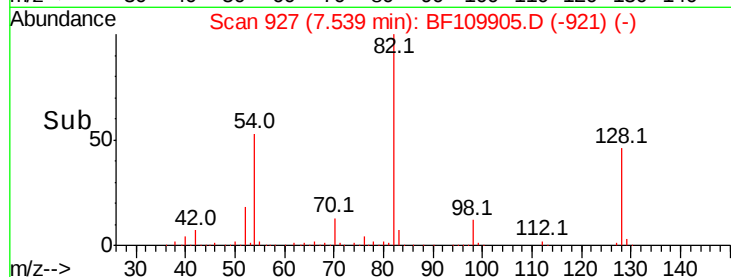
138 0.0 13.2 19.8#



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: BF109905.D

Acq: 16 Oct 2018 15:13

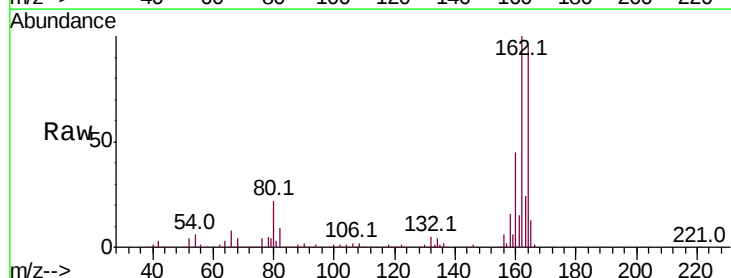
Tgt Ion:164 Resp: 365653

Ion Ratio Lower Upper

164 100

162 104.4 83.0 124.6

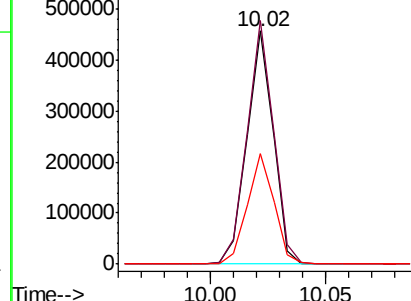
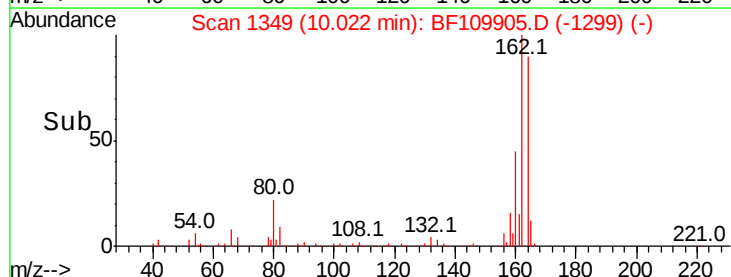
160 47.3 37.0 55.6

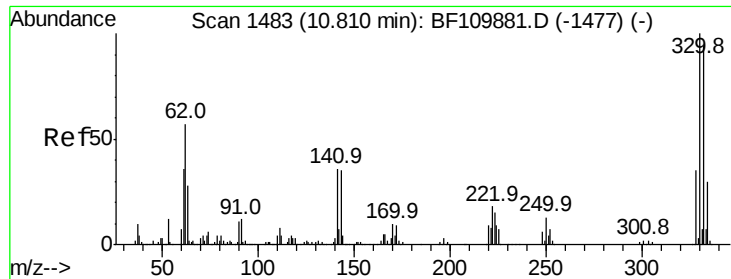


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

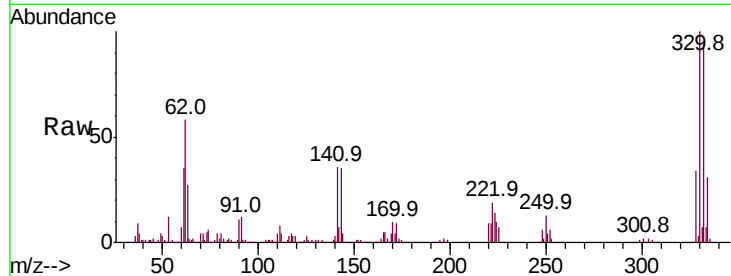




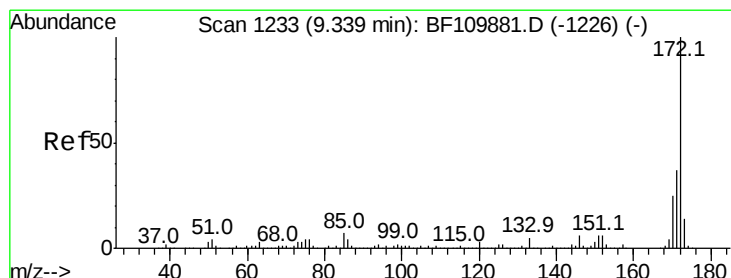
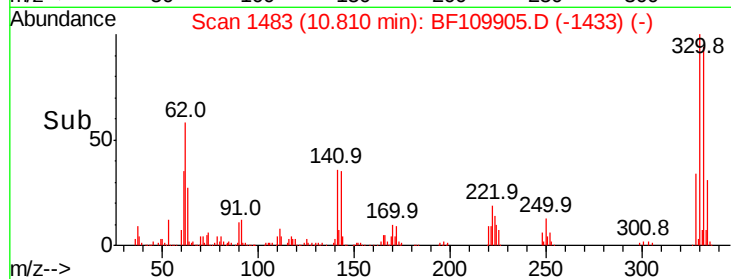
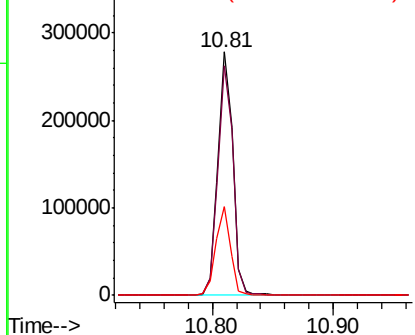
#42
 2,4,6-Tribromophenol
 Concen: 74.134 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: BF109905.D
 Acq: 16 Oct 2018 15:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.1	115.7
141	35.9	27.0	40.4

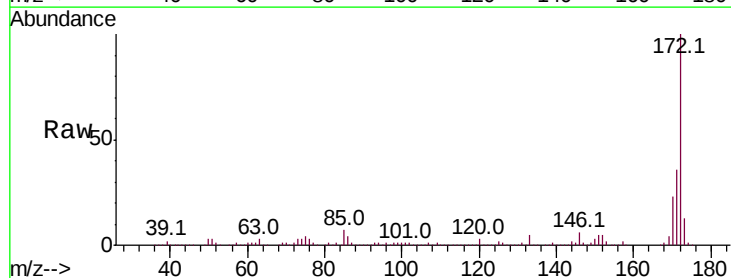


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

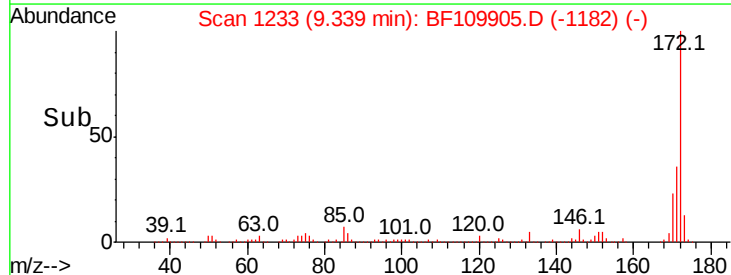
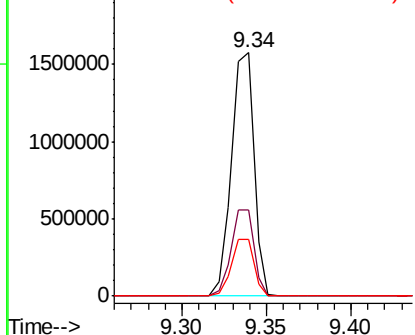


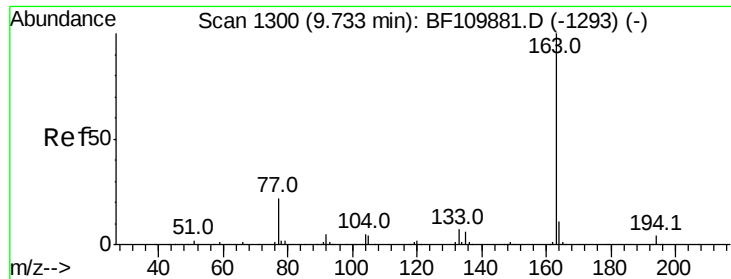
#45
 2-Fluorobiphenyl
 Concen: 63.652 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: BF109905.D
 Acq: 16 Oct 2018 15:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	23.4	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

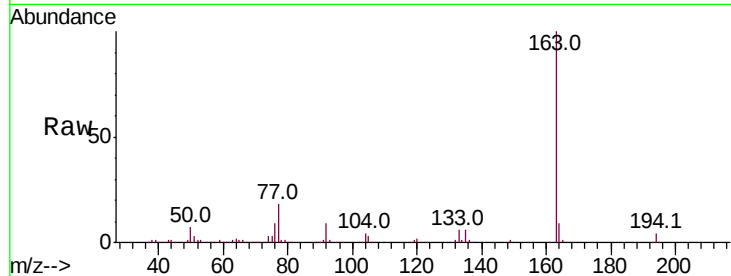




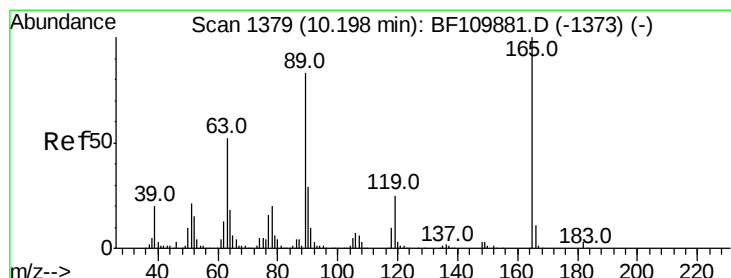
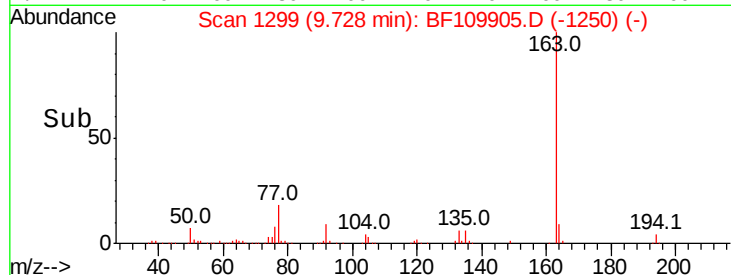
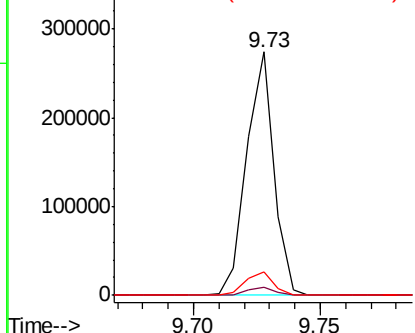
#50
Dimethylphthalate
Concen: 7.939 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF109905.D
Acq: 16 Oct 2018 15:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 205564
Ion Ratio Lower Upper
163 100
194 3.5 3.2 4.8
164 9.5 8.1 12.1

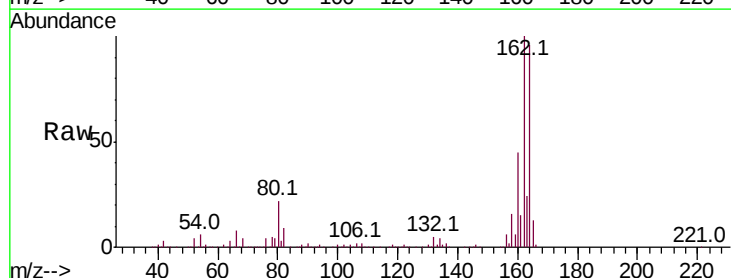


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

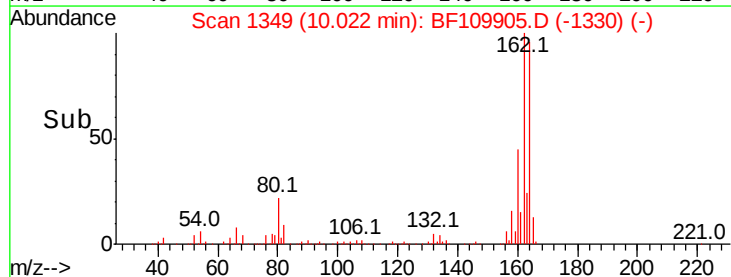
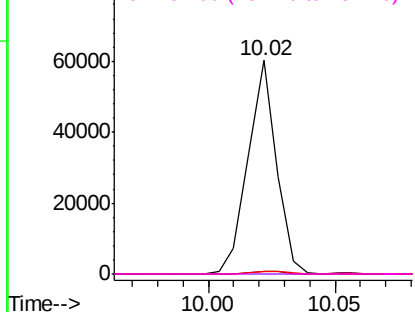


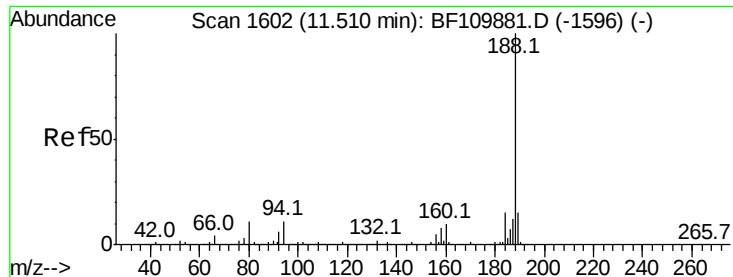
#57
2,4-Dinitrotoluene
Concen: 11.438 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.19 min
Lab File: BF109905.D
Acq: 16 Oct 2018 15:13

Tgt Ion:165 Resp: 47077
Ion Ratio Lower Upper
165 100
63 1.2 44.8 67.2#
89 1.3 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: BF109905.D

Acq: 16 Oct 2018 15:13

Instrument :

BNA_F

ClientSampleId :

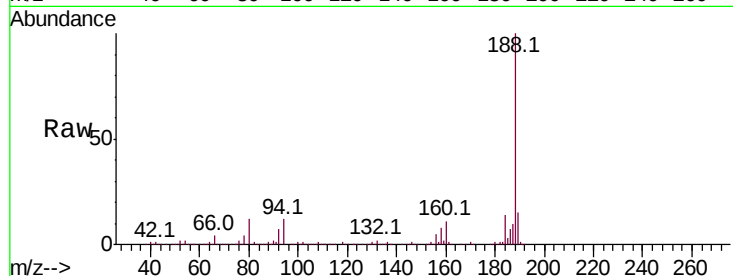
Tot Ion:188 Resp: 547104

Ion Ratio Lower Upper

188 100

94 11.6 7.2 10.8#

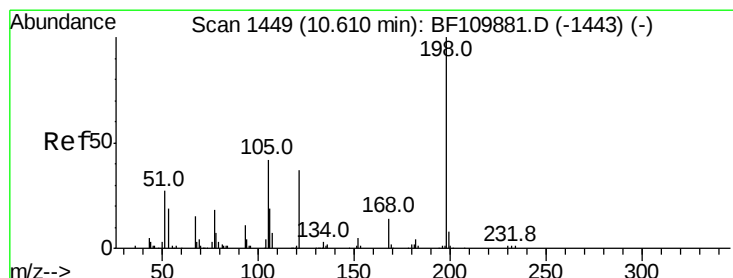
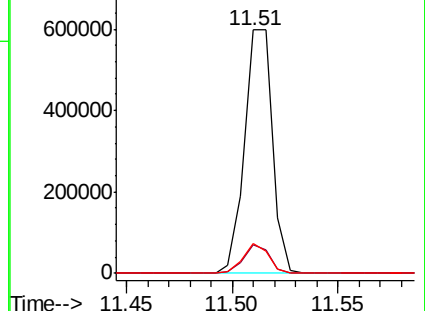
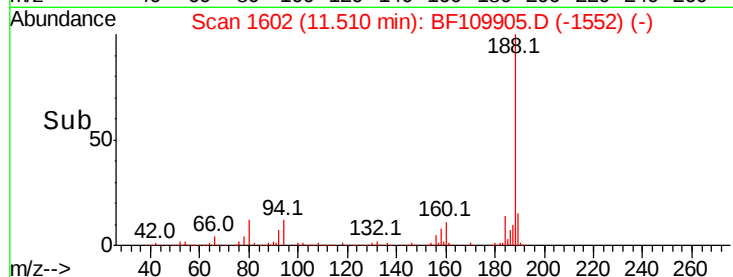
80 12.5 7.9 11.9#



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: 8.087 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.19 min

Lab File: BF109905.D

Acq: 16 Oct 2018 15:13

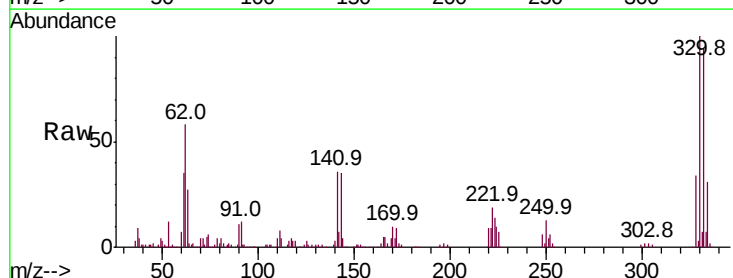
Tgt Ion:198 Resp: 434

Ion Ratio Lower Upper

198 100

51 216.7 22.8 62.8#

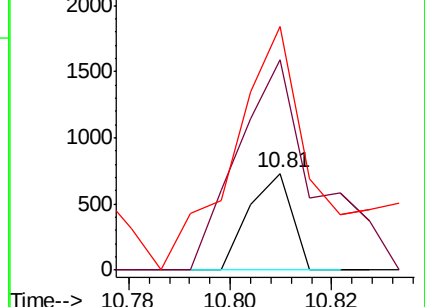
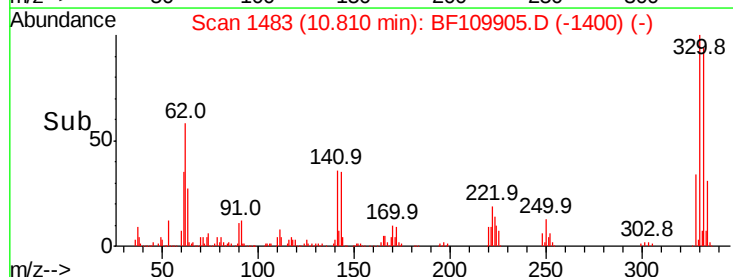
105 251.4 23.6 63.6#

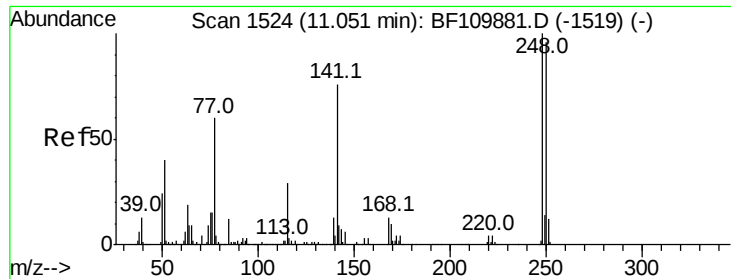


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

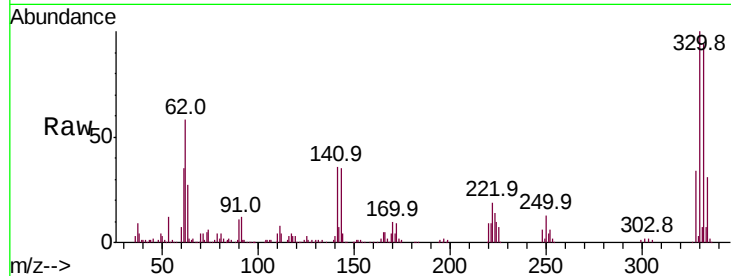




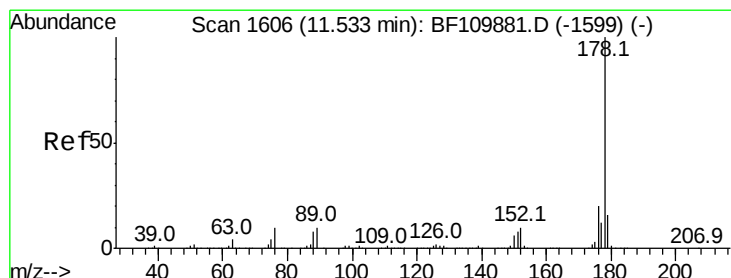
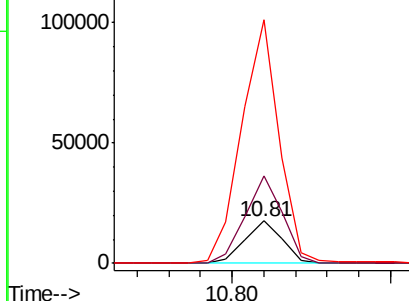
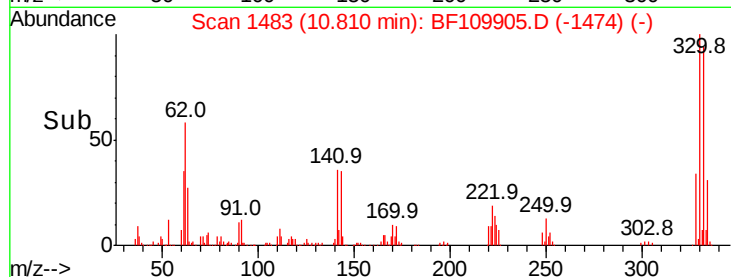
#67
 4-Bromophenyl-phenylether
 Concen: 2.436 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.25 min
 Lab File: BF109905.D
 Acq: 16 Oct 2018 15:13

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 14442
 Ion Ratio Lower Upper
 248 100
 250 205.3 79.4 119.2#
 141 571.5 55.9 83.9#

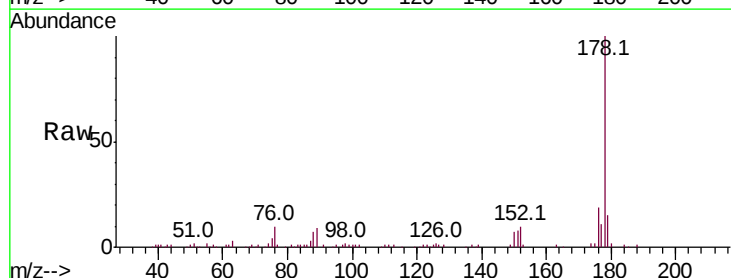


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

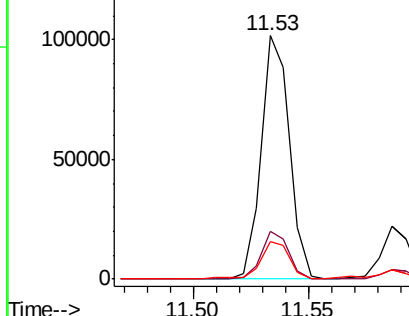
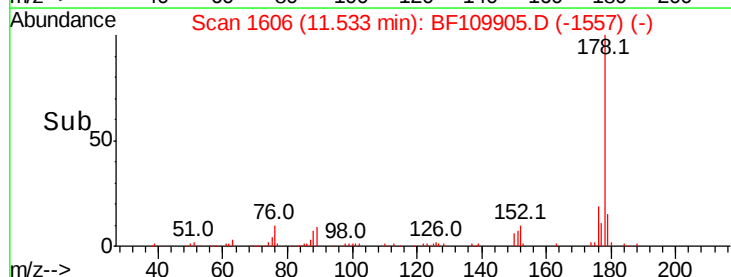


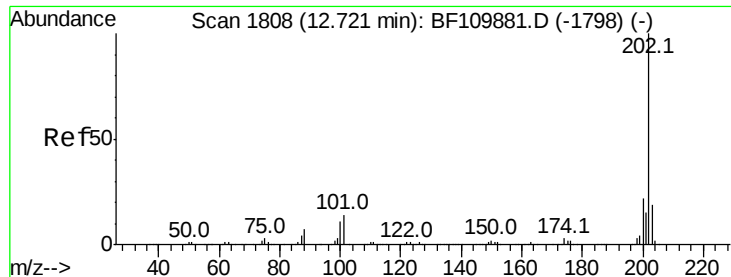
#71
 Phenanthrene
 Concen: 3.068 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF109905.D
 Acq: 16 Oct 2018 15:13

Tgt Ion:178 Resp: 86911
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.5 23.3
 179 15.4 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: 7.125 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF109905.D

Acq: 16 Oct 2018 15:13

Instrument :

BNA_F

ClientSampleId :

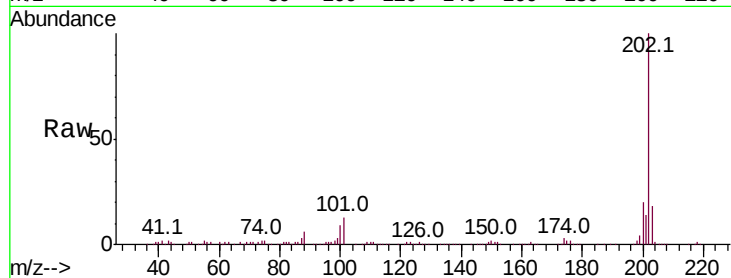
Tot Ion:202 Resp: 201601

Ion Ratio Lower Upper

202 100

101 13.3 0.0 31.4

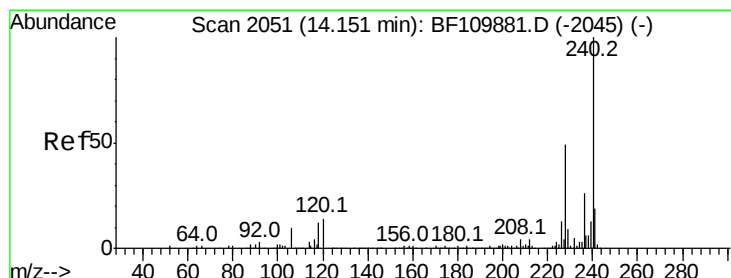
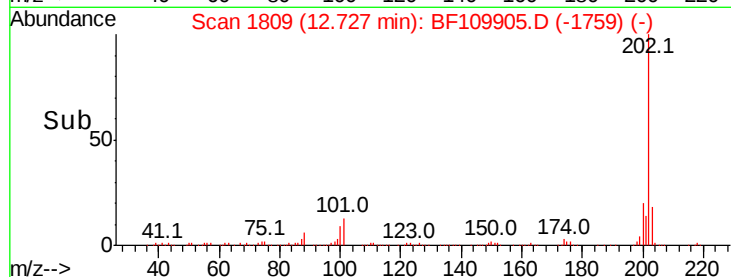
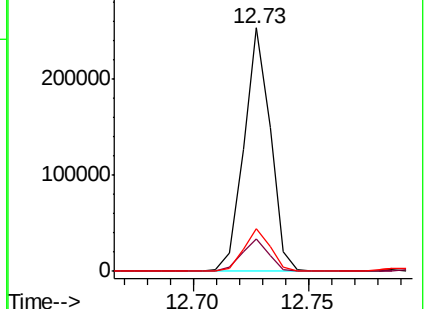
203 17.6 0.0 37.7



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: BF109905.D

Acq: 16 Oct 2018 15:13

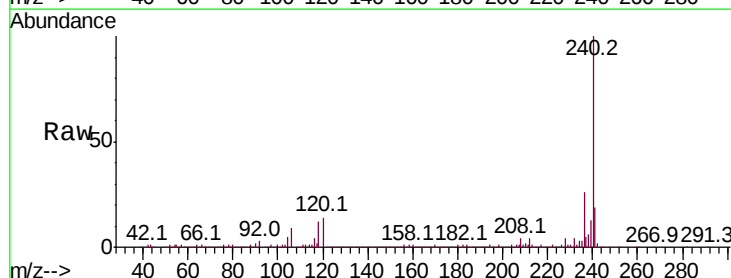
Tgt Ion:240 Resp: 634306

Ion Ratio Lower Upper

240 100

120 13.7 8.3 12.5#

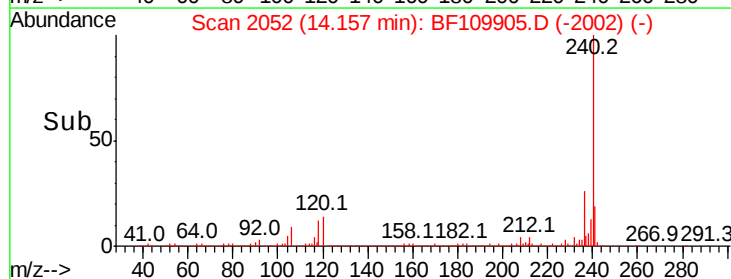
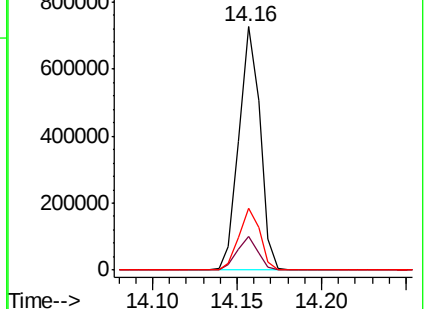
236 25.6 21.2 31.8

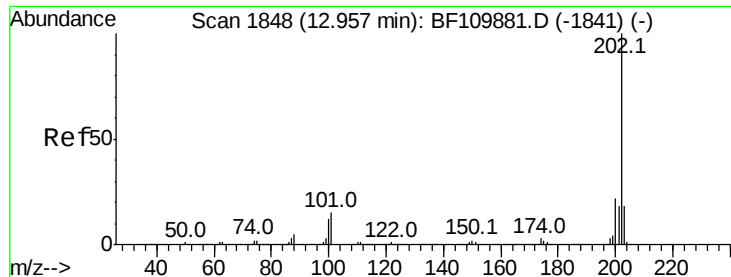


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.051 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF109905.D

Acq: 16 Oct 2018 15:13

Instrument :

BNA_F

ClientSampleId :

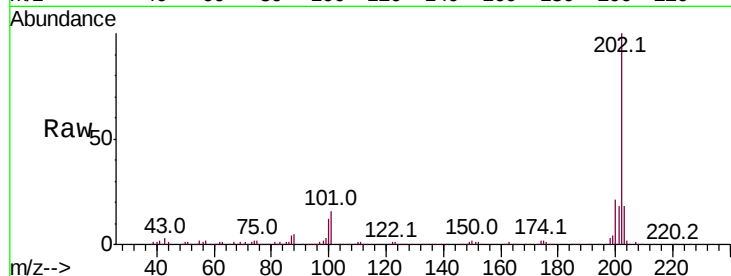
Tot Ion:202 Resp: 188717

Ion Ratio Lower Upper

202 100

200 21.0 17.8 26.6

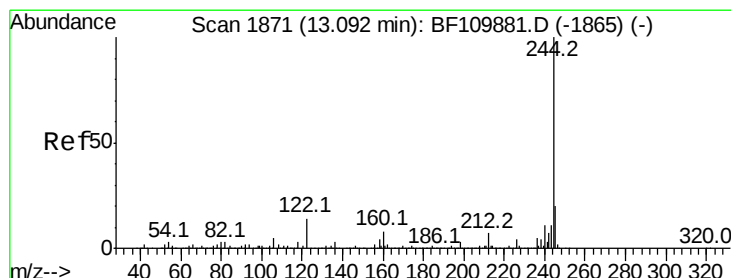
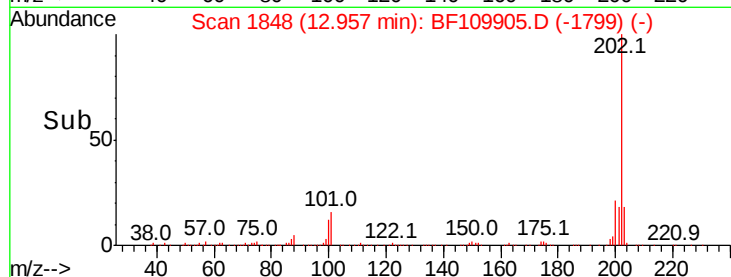
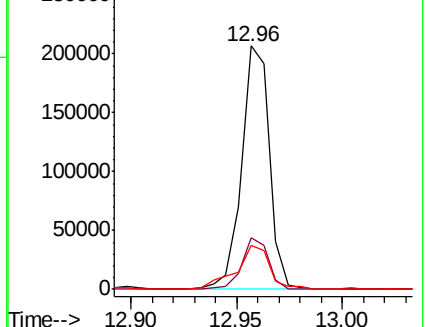
203 17.8 14.2 21.4



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: 37.912 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BF109905.D

Acq: 16 Oct 2018 15:13

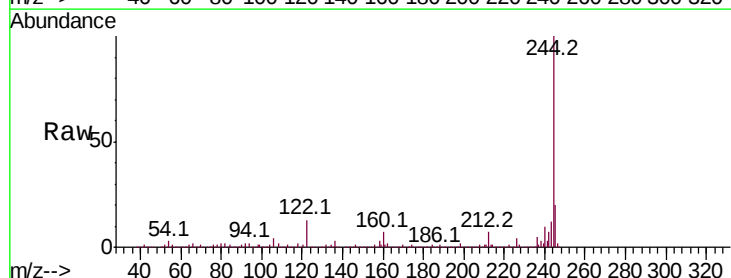
Tgt Ion:244 Resp: 1145182

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

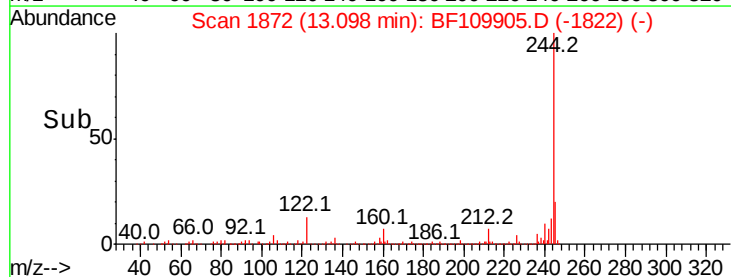
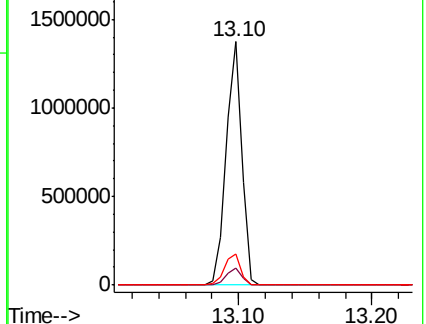
122 12.7 8.7 13.1

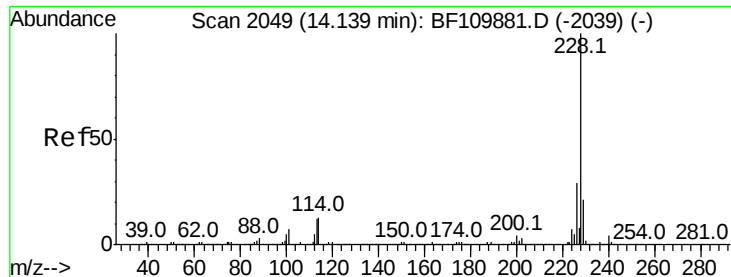


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

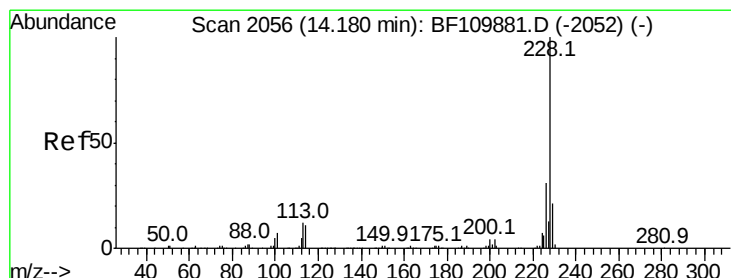
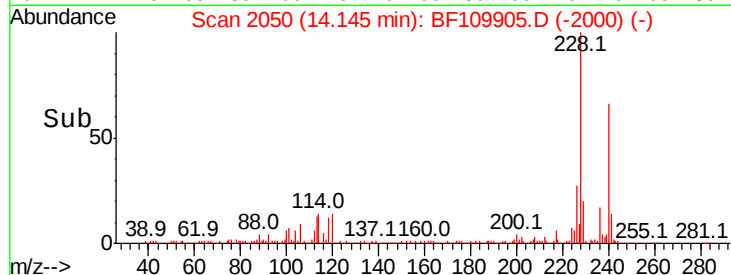
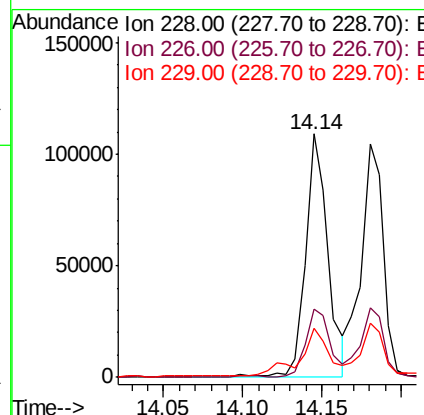
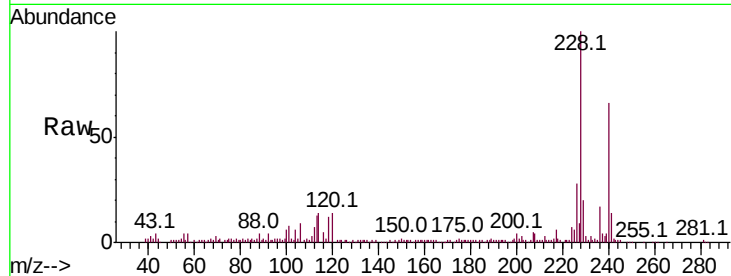




#81
Benzo(a)anthracene
Concen: 2.874 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF109905.D
Acq: 16 Oct 2018 15:13

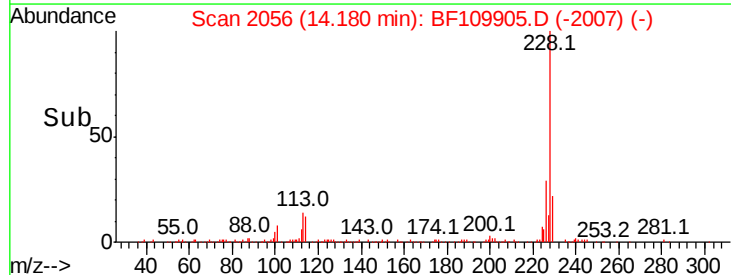
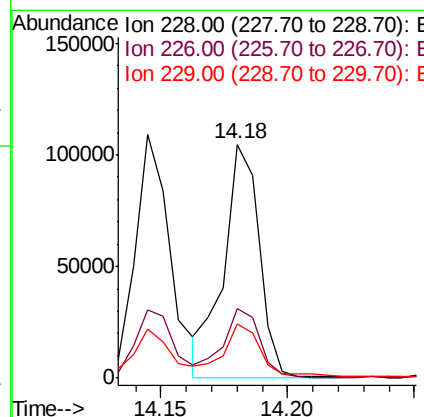
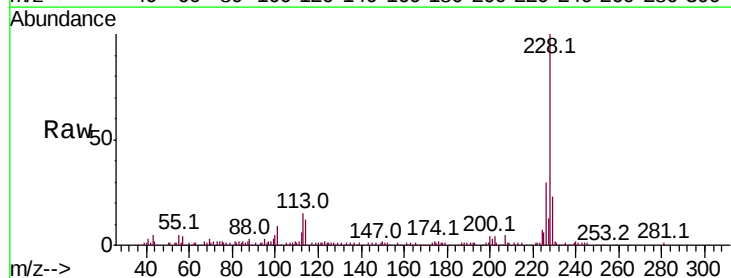
Instrument :
BNA_F
ClientSampled :

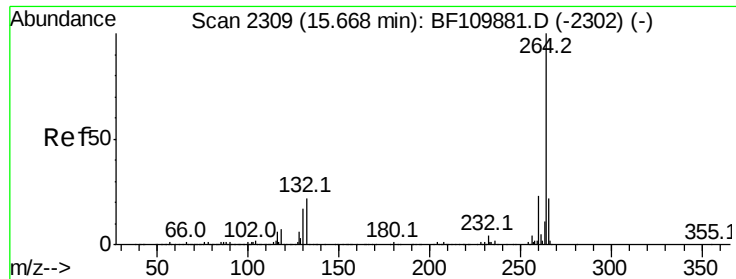
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	20.2	15.6	23.4



#83
Chrysene
Concen: 2.883 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF109905.D
Acq: 16 Oct 2018 15:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.7	37.1
229	23.1	15.9	23.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BF109905.D

Acq: 16 Oct 2018 15:13

Instrument :

BNA_F

ClientSampleId :

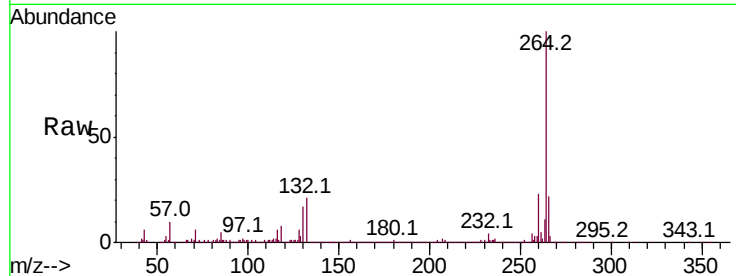
Tot Ion:264 Resp: 665754

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

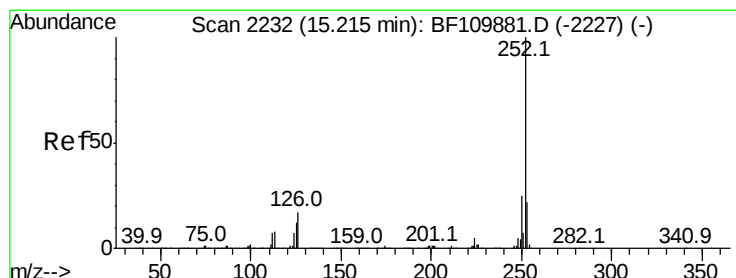
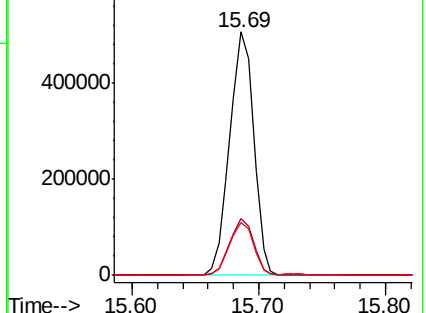
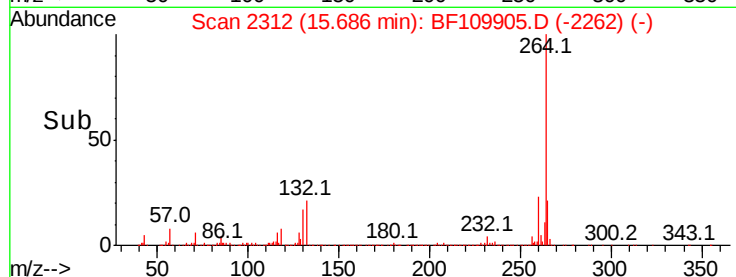
265 21.5 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5.147 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BF109905.D

Acq: 16 Oct 2018 15:13

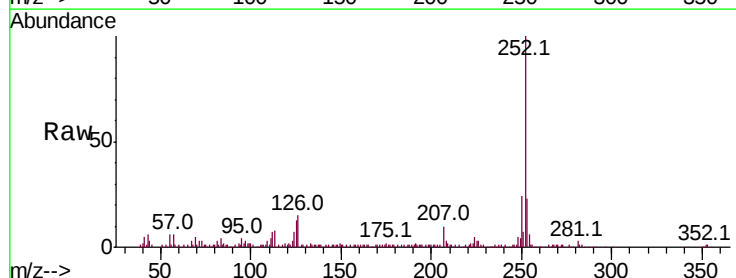
Tgt Ion:252 Resp: 197541

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

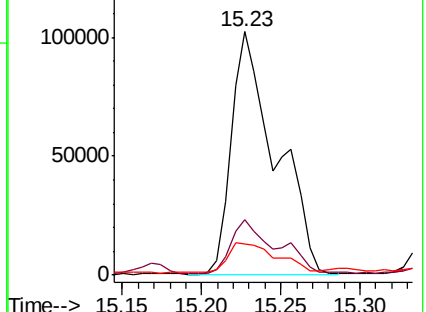
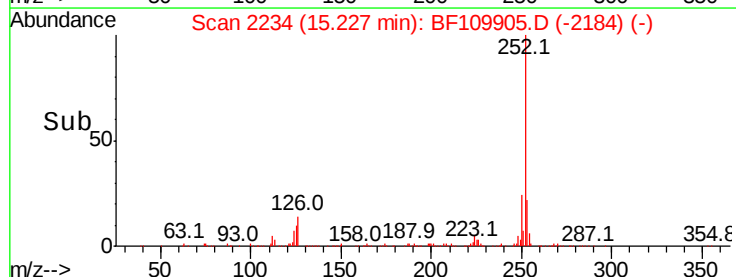
125 12.6 8.2 12.4#

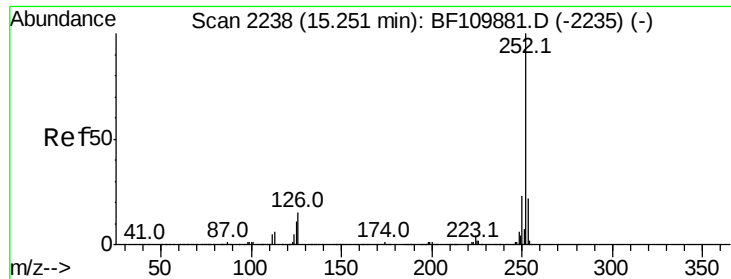


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

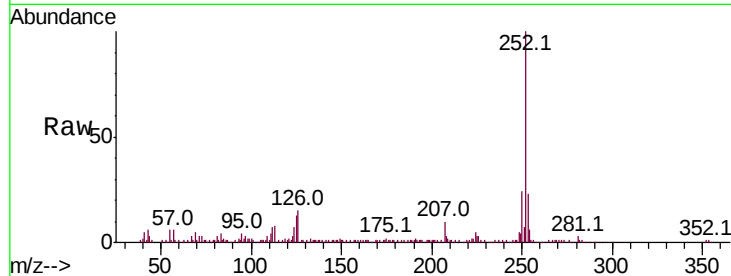




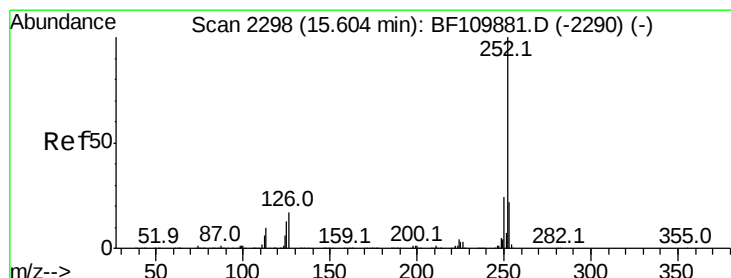
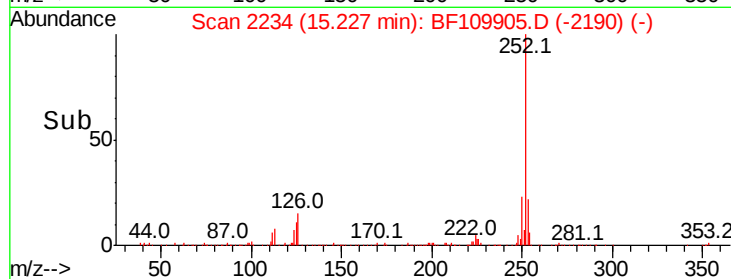
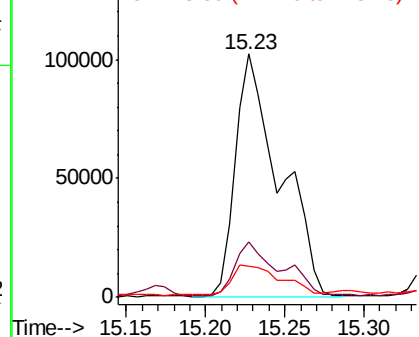
#89
Benzo(k)fluoranthene
Concen: 5.222 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF109905.D
Acq: 16 Oct 2018 15:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 197541
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 12.6 7.4 11.0#

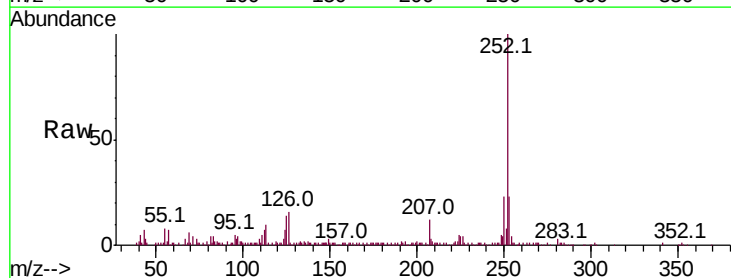


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 3.016 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF109905.D
Acq: 16 Oct 2018 15:13

Tgt Ion:252 Resp: 106466
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.4
125 14.2 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

