

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100518\
 Data File : BF109609.D
 Acq On : 5 Oct 2018 13:49
 Operator : JU/SJ
 Sample : J5150-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Quant Time: Oct 05 15:10:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	93660	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	382224	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	184344	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	328856	20.00	ng	0.00
75) Chrysene-d12	13.84	240	237077	20.00	ng	0.00
86) Perylene-d12	15.24	264	241916	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	472248	83.05	ng	0.01
7) Phenol-d6	6.36	99	633046	87.24	ng	0.00
23) Nitrobenzene-d5	7.26	82	412914	63.77	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	128792	70.87	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	788993	64.55	ng	-0.02
78) Terphenyl-d14	12.79	244	639758	66.23	ng	-0.01

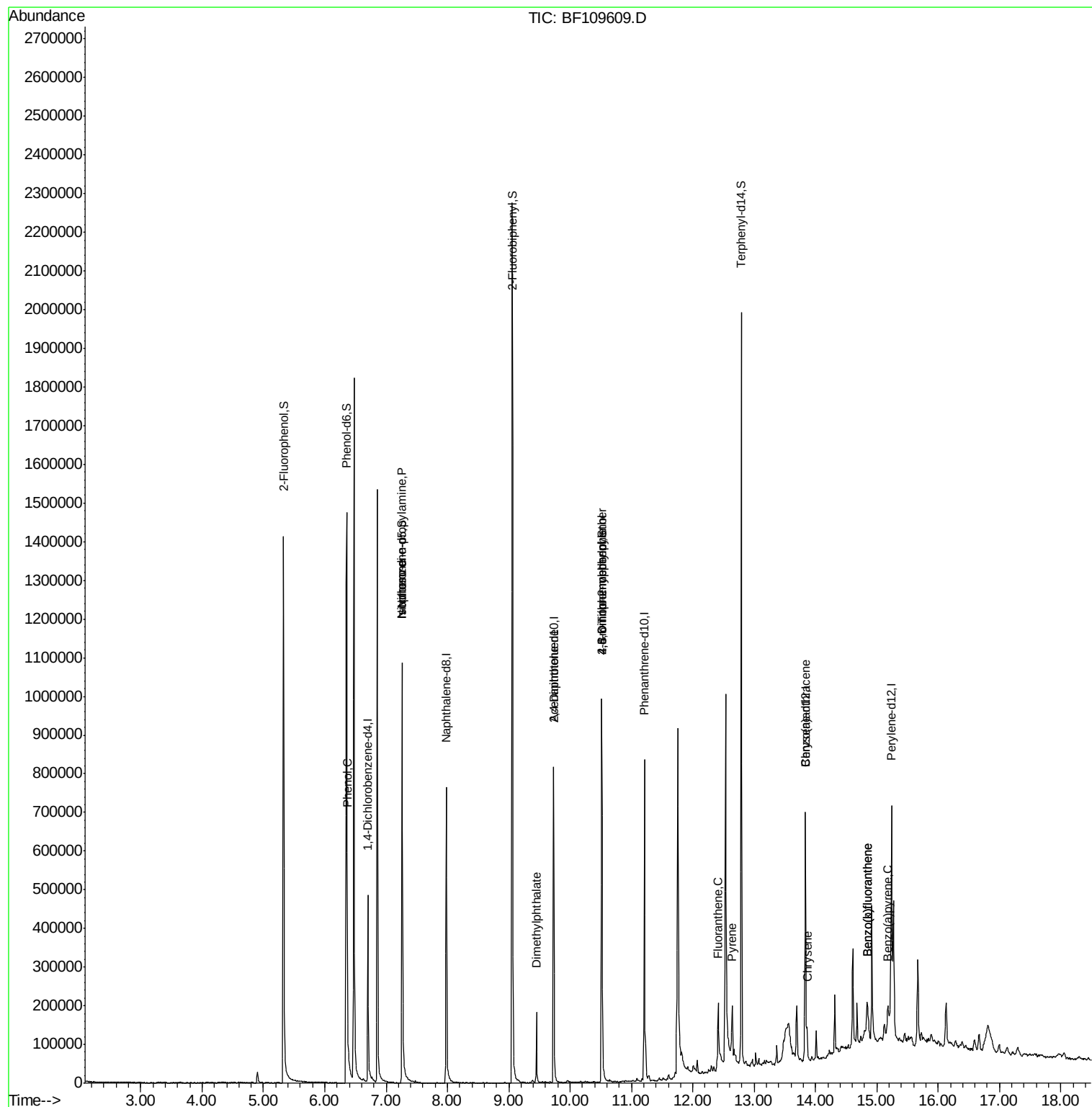
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	24737	3.010	ng	81
19) n-Nitroso-di-n-propylamine	7.26	70	56068	11.792	ng	# 77
25) Isophorone	7.26	82	396923	34.043	ng	# 64
49) Dimethylphthalate	9.45	163	74846	5.582	ng	99
56) 2,4-Dinitrotoluene	9.73	165	22806	6.788	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.52	198	122	6.600	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	7696	2.107	ng	# 1
74) Fluoranthene	12.42	202	72981	4.159	ng	96
77) Pyrene	12.64	202	62631	3.686	ng	99
80) Benzo(a)anthracene	13.83	228	30425	2.131	ng	97
82) Chrysene	13.86	228	29803	2.106	ng	98
87) Benzo(b)fluoranthene	14.84	252	55249	4.156	ng	# 97
88) Benzo(k)fluoranthene	14.84	252	55249	4.380	ng	96
89) Benzo(a)pyrene	15.18	252	28032	2.340	ng	95

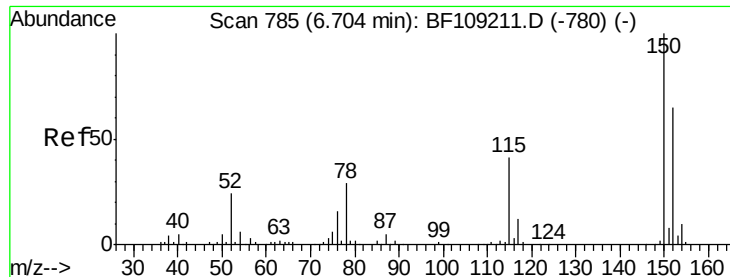
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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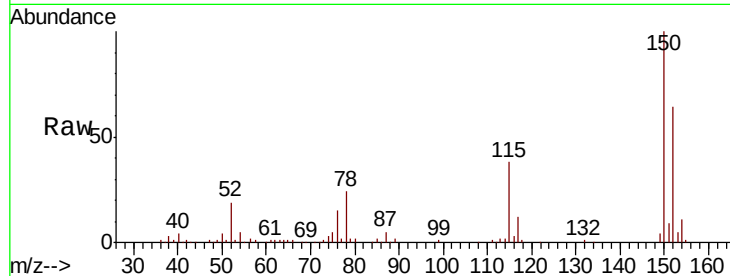


#1

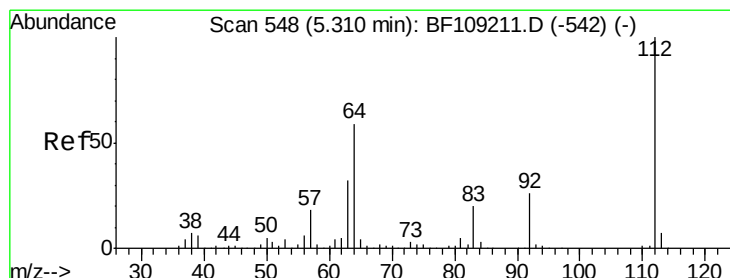
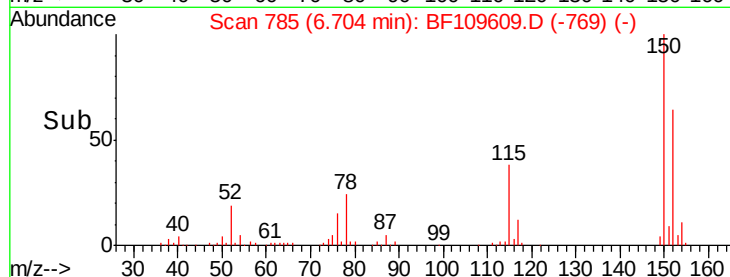
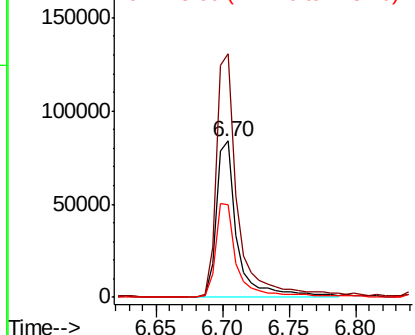
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109609.D
Acq: 5 Oct 2018 13:49

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tot Ion:152 Resp: 93660
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 59.0 50.1 75.1



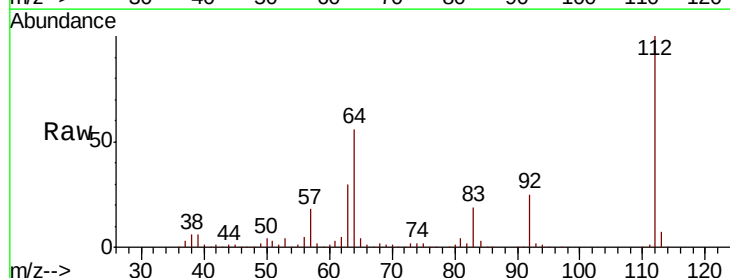
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



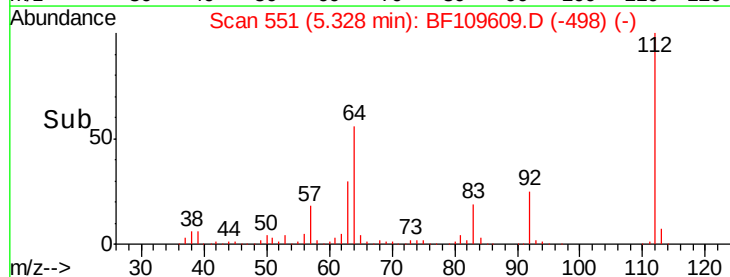
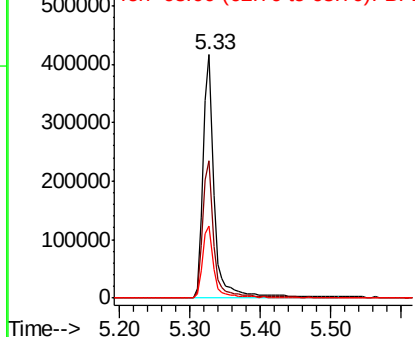
#5

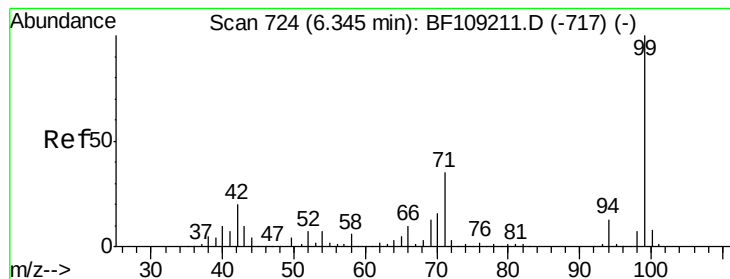
2-Fluorophenol
Concen: 83.048 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109609.D
Acq: 5 Oct 2018 13:49

Tgt Ion:112 Resp: 472248
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 29.8 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: 87.243 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF109609.D

Acq: 5 Oct 2018 13:49

Instrument :

BNA_F

ClientSampleId :

DFTPP

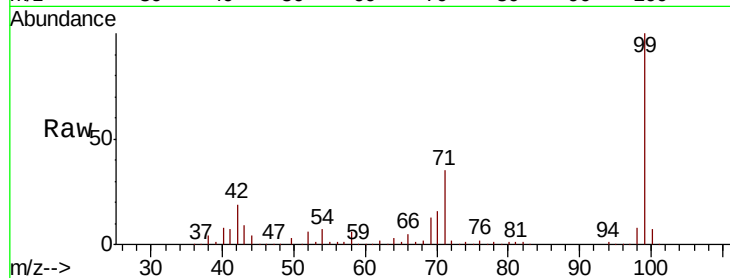
Tot Ion: 99 Resp: 633046

Ion Ratio Lower Upper

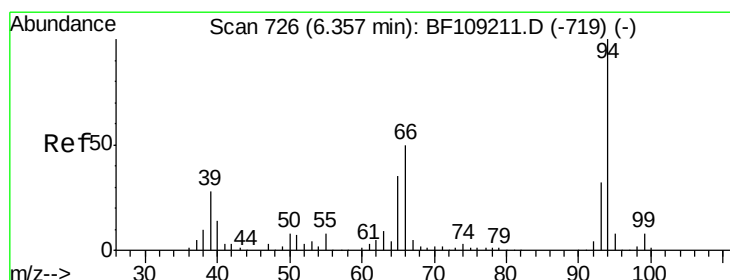
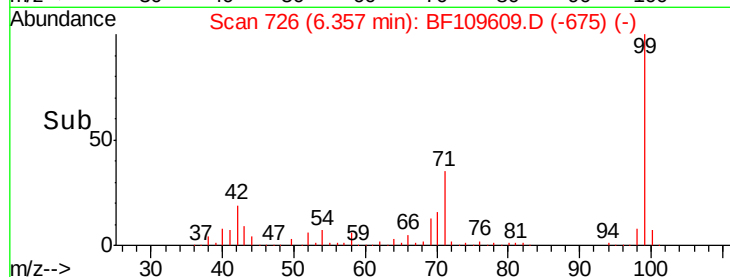
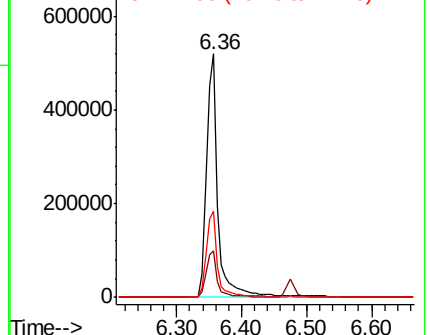
99 100

42 18.9 14.5 21.7

71 35.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.010 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF109609.D

Acq: 5 Oct 2018 13:49

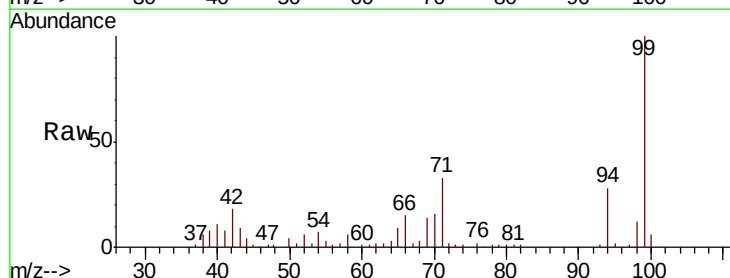
Tgt Ion: 94 Resp: 24737

Ion Ratio Lower Upper

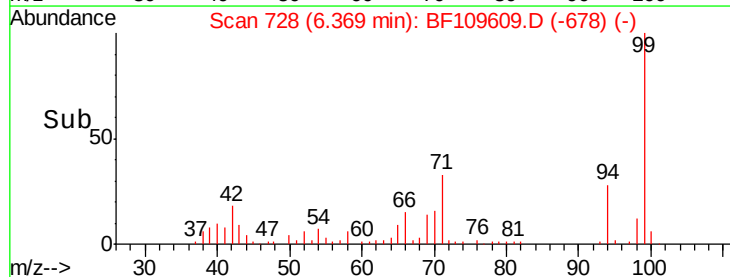
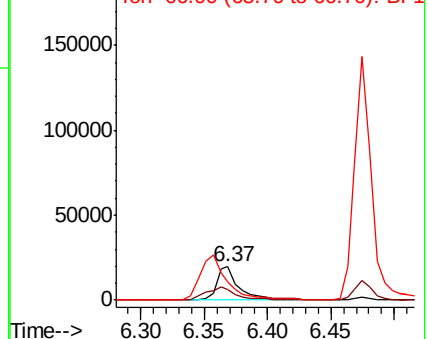
94 100

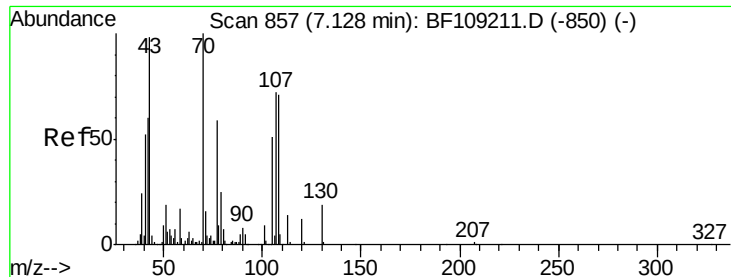
65 31.3 7.9 47.9

66 53.1 16.2 56.2



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

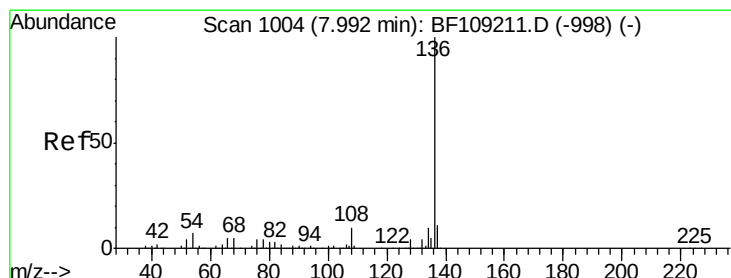
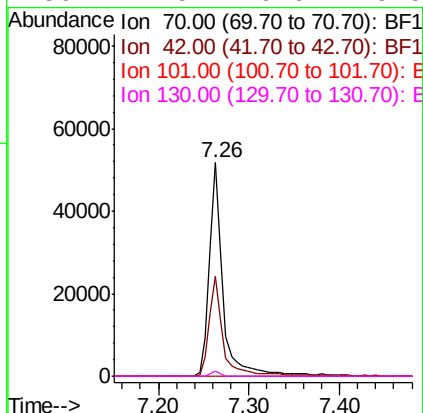
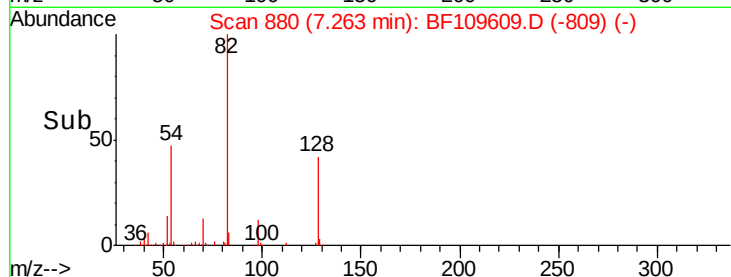
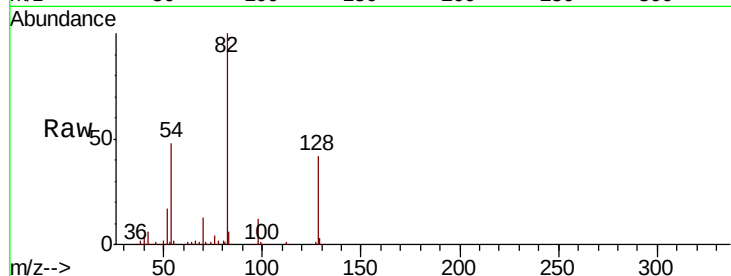




#19
n-Nitroso-di-n-propylamine
Concen: 11.792 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.12 min
Lab File: BF109609.D
Acq: 5 Oct 2018 13:49

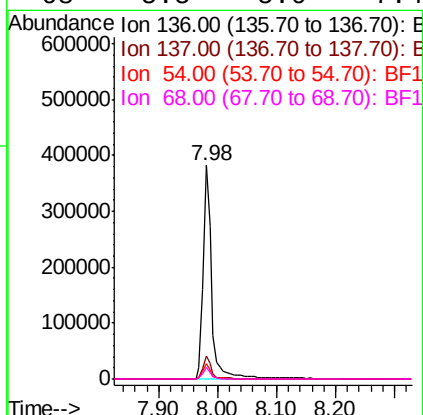
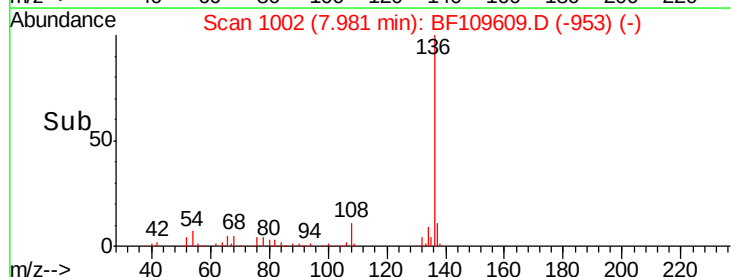
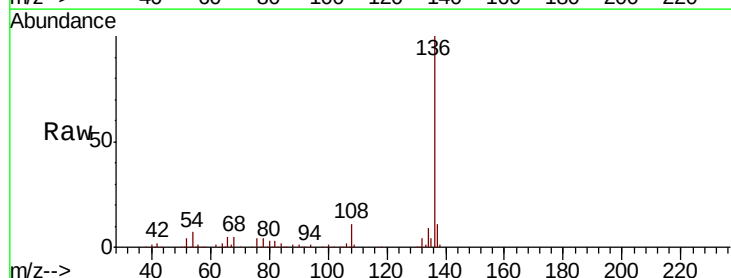
Instrument :
BNA_F
ClientSampleId :
DFTPP

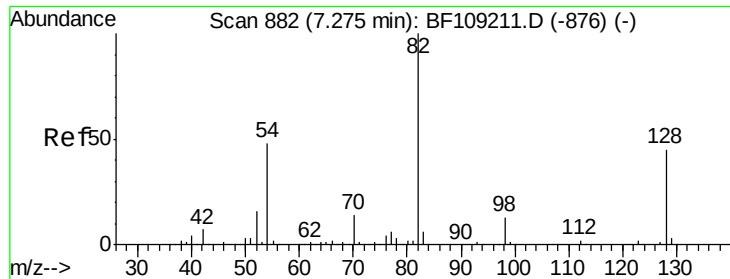
Tot Ion	Ratio	Lower	Upper
70	100		
42	46.6	47.5	71.3#
101	0.0	7.4	11.2#
130	2.5	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF109609.D
Acq: 5 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.0	6.6	9.8
68	5.5	5.0	7.4

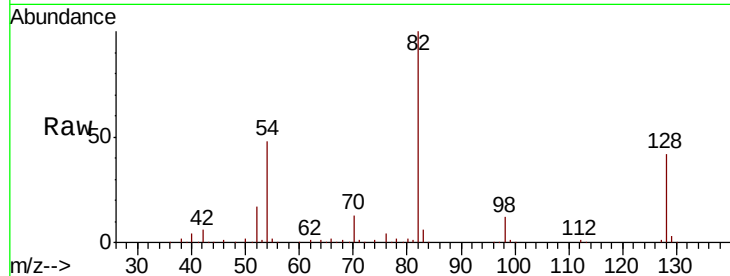




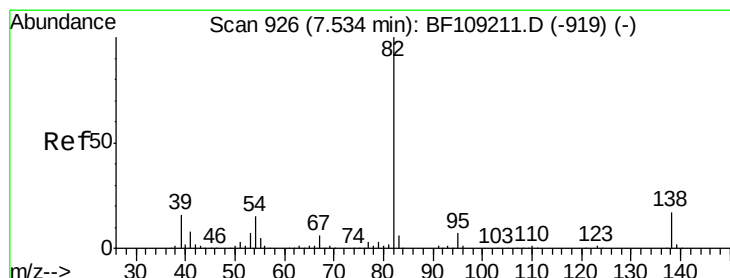
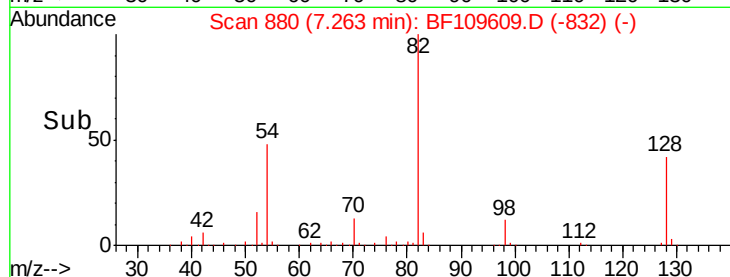
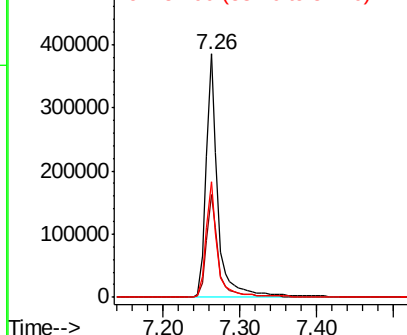
#23
 Nitrobenzene-d5
 Concen: 63.771 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109609.D
 Acq: 5 Oct 2018 13:49

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Tot Ion: 82 Resp: 412914
 Ion Ratio Lower Upper
 82 100
 128 42.1 36.1 54.1
 54 47.6 41.4 62.2

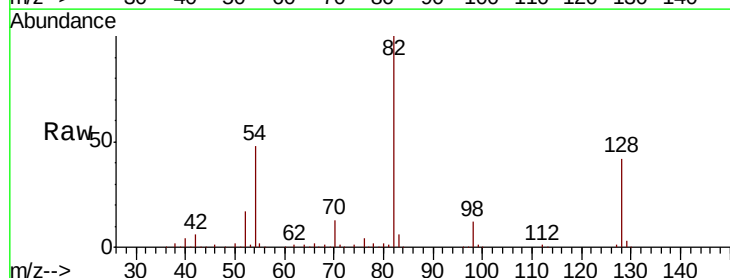


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

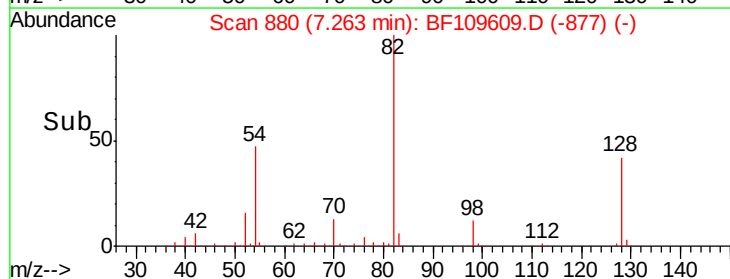
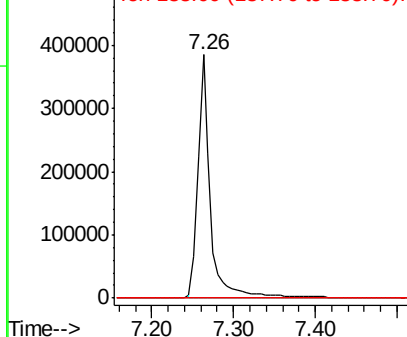


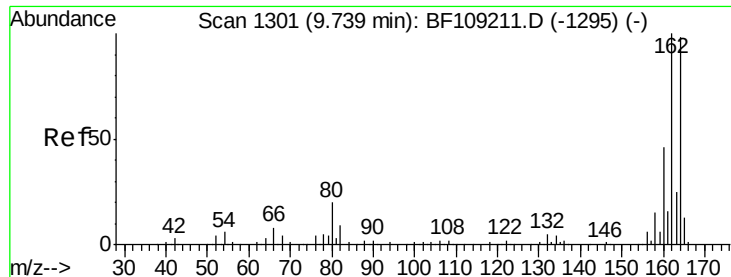
#25
 Isophorone
 Concen: 34.043 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.28 min
 Lab File: BF109609.D
 Acq: 5 Oct 2018 13:49

Tgt Ion: 82 Resp: 396923
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF109609.D

Acq: 5 Oct 2018 13:49

Instrument :

BNA_F

ClientSampleId :

DFTPP

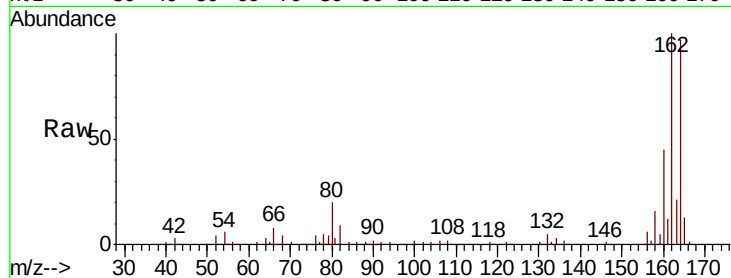
Tot Ion:164 Resp: 184344

Ion Ratio Lower Upper

164 100

162 103.3 86.1 129.1

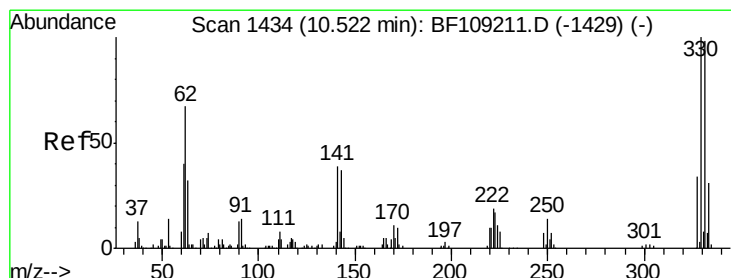
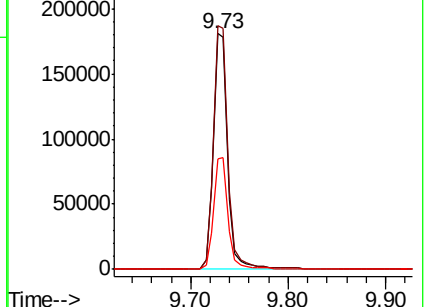
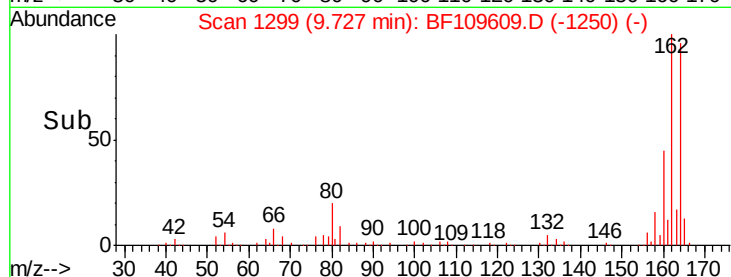
160 46.9 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 70.872 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF109609.D

Acq: 5 Oct 2018 13:49

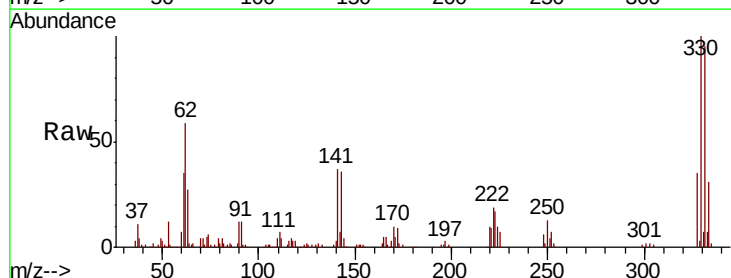
Tgt Ion:330 Resp: 128792

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

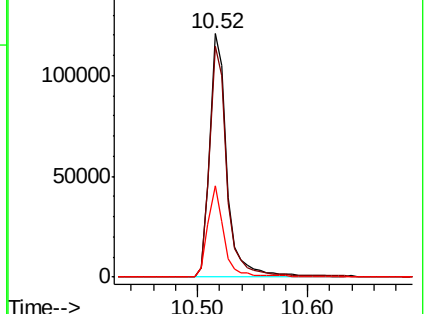
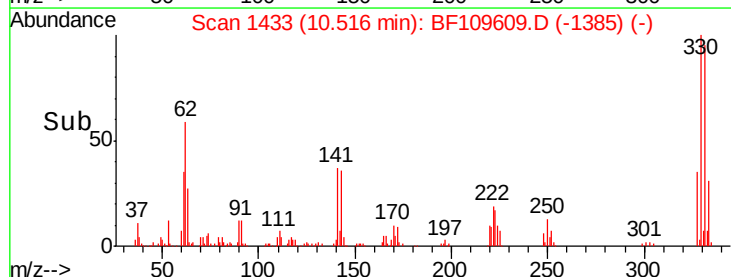
141 34.7 29.9 44.9

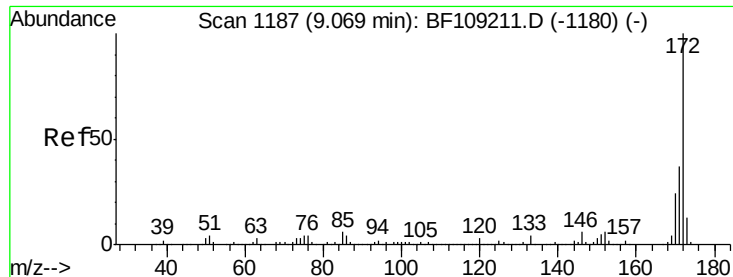


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

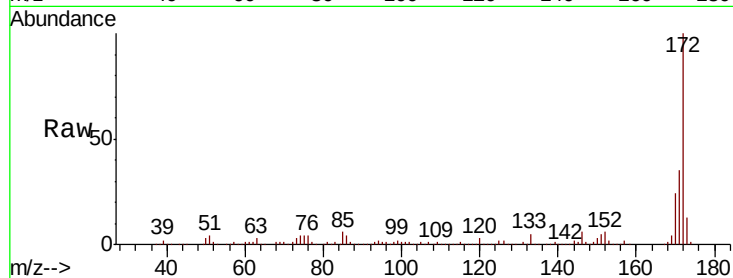




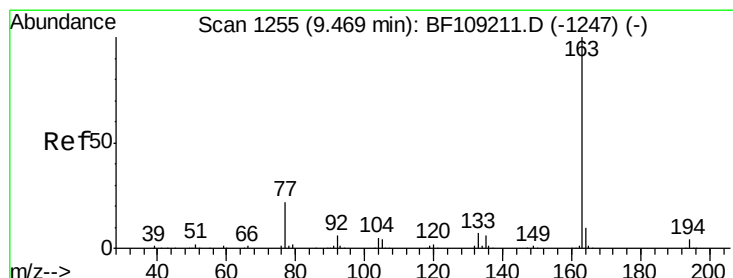
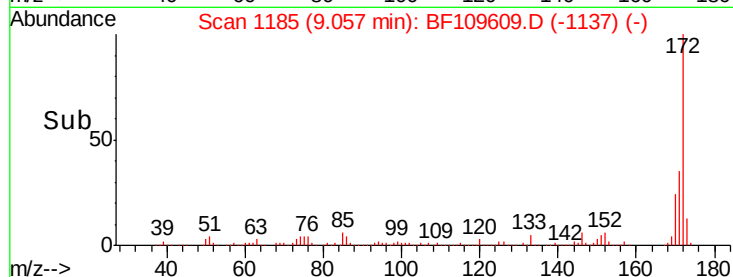
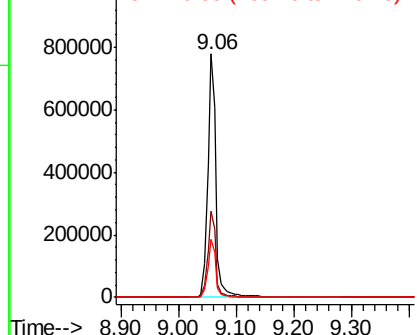
#44
2-Fluorobiphenyl
Concen: 64.551 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF109609.D
Acq: 5 Oct 2018 13:49

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tot Ion:172 Resp: 788993
Ion Ratio Lower Upper
172 100
171 35.4 29.7 44.5
170 23.8 19.6 29.4

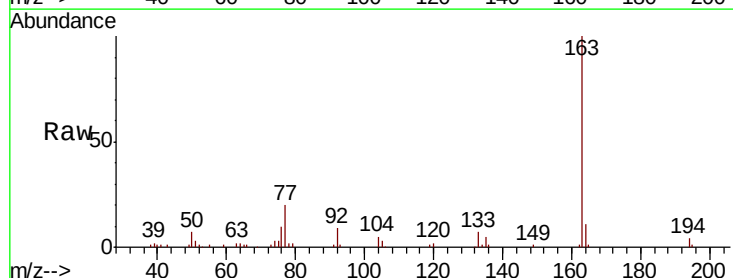


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

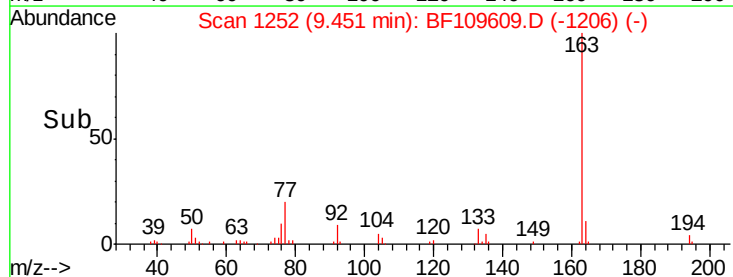
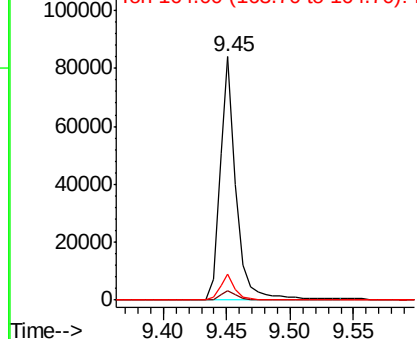


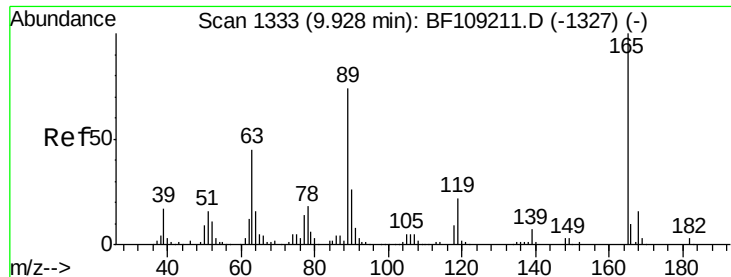
#49
Dimethylphthalate
Concen: 5.582 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109609.D
Acq: 5 Oct 2018 13:49

Tgt Ion:163 Resp: 74846
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.6 8.2 12.2



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





#56

2,4-Dinitrotoluene

Concen: 6.788 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.21 min

Lab File: BF109609.D

Acq: 5 Oct 2018 13:49

Instrument :

BNA_F

ClientSampleId :

DFTPP

Tot Ion:165 Resp: 22806

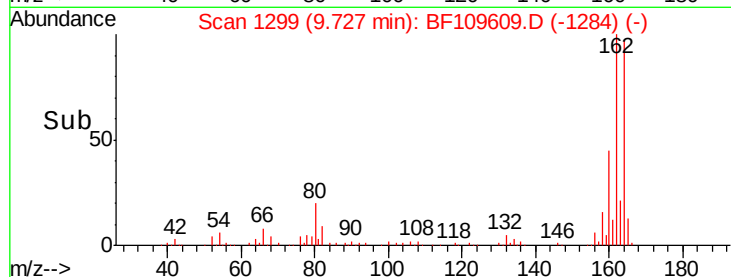
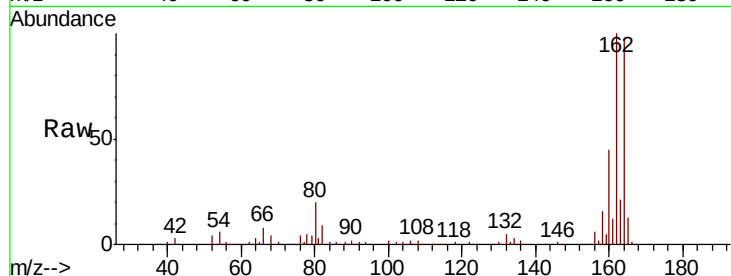
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

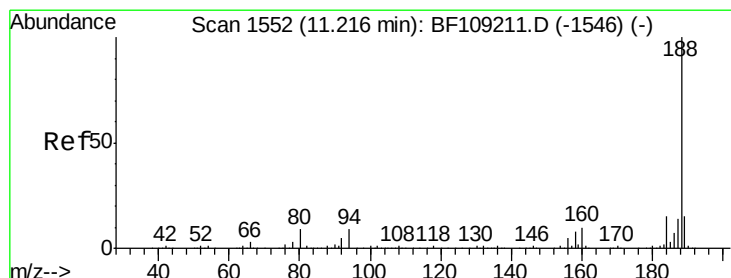
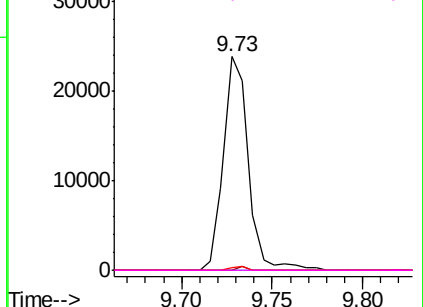


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF109609.D

Acq: 5 Oct 2018 13:49

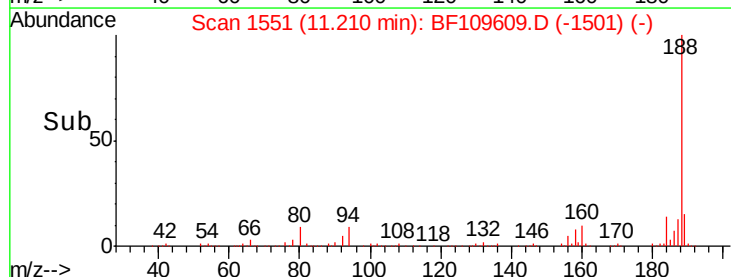
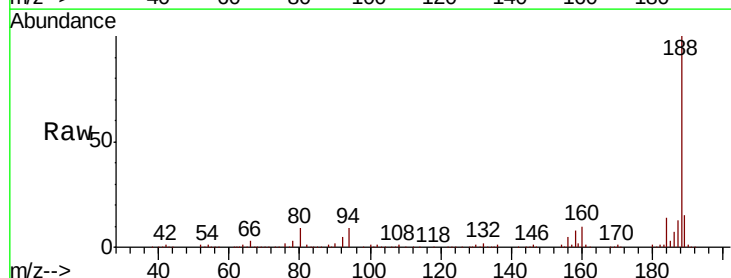
Tgt Ion:188 Resp: 328856

Ion Ratio Lower Upper

188 100

94 8.6 8.5 12.7

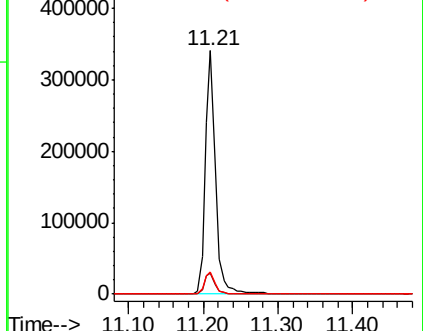
80 9.2 9.2 13.8

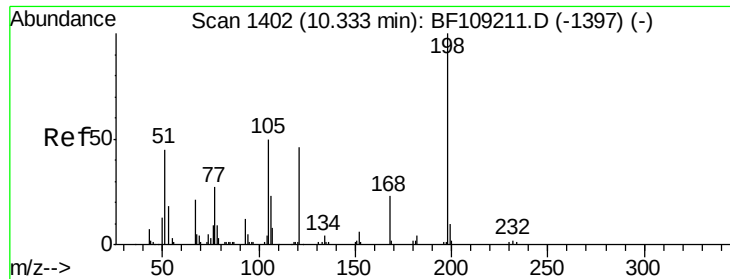


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

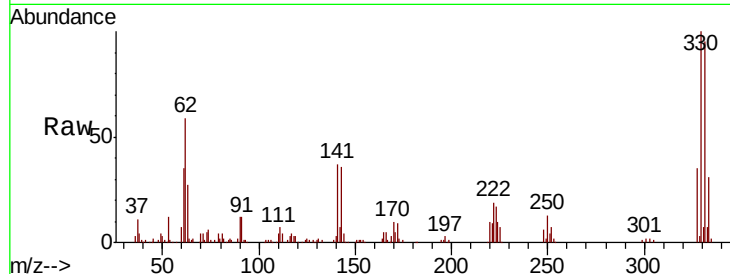




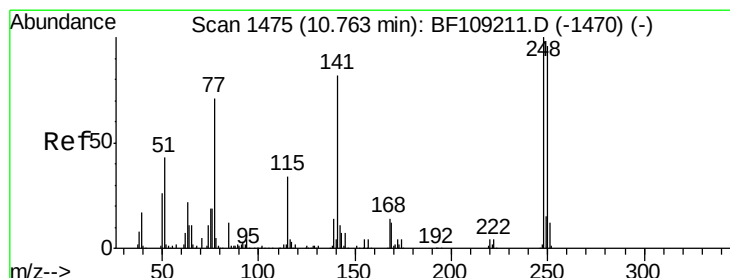
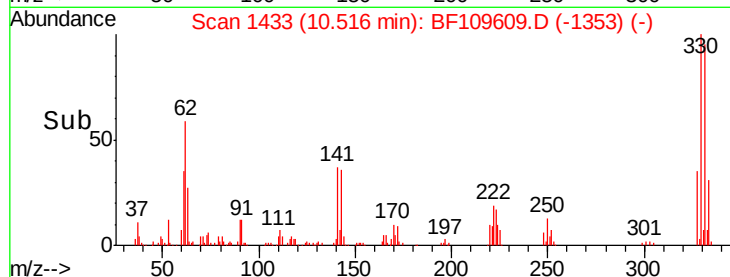
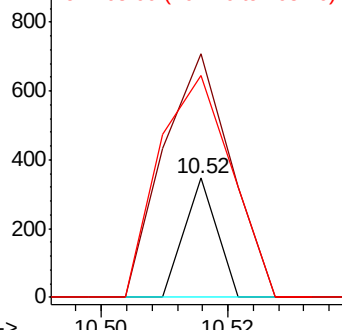
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.600 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.17 min
 Lab File: BF109609.D
 Acq: 5 Oct 2018 13:49

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Tot Ion:198 Resp: 122
 Ion Ratio Lower Upper
 198 100
 51 204.6 37.7 77.7#
 105 186.1 36.3 76.3#

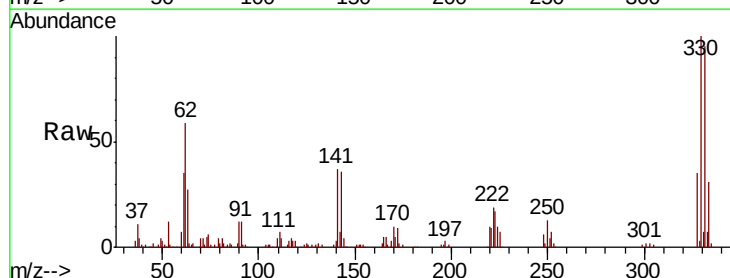


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

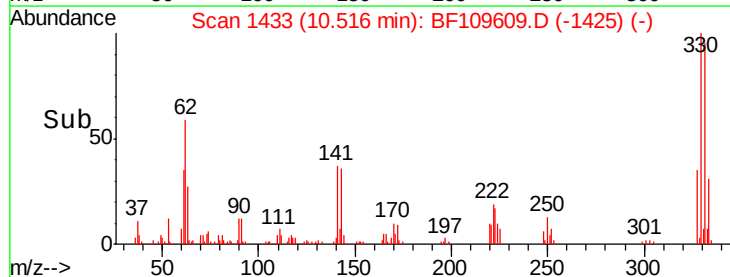
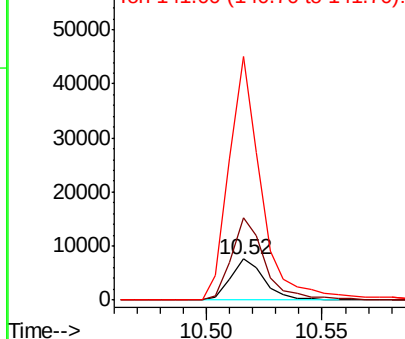


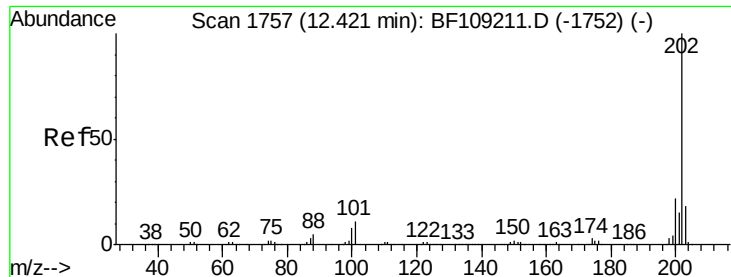
#66
 4-Bromophenyl-phenylether
 Concen: 2.107 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF109609.D
 Acq: 5 Oct 2018 13:49

Tgt Ion:248 Resp: 7696
 Ion Ratio Lower Upper
 248 100
 250 200.4 76.9 115.3#
 141 595.4 74.4 111.6#



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

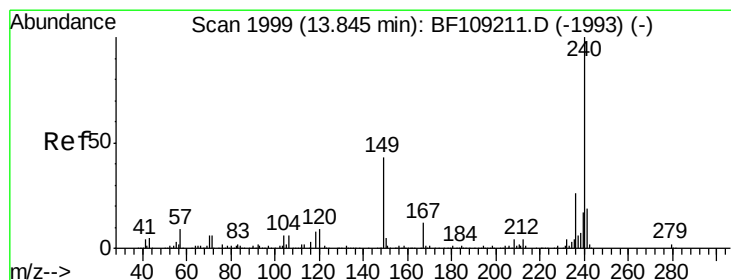
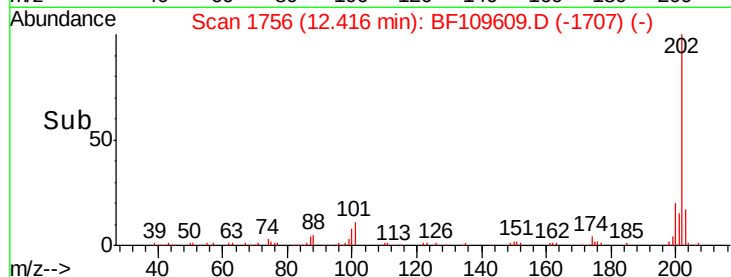
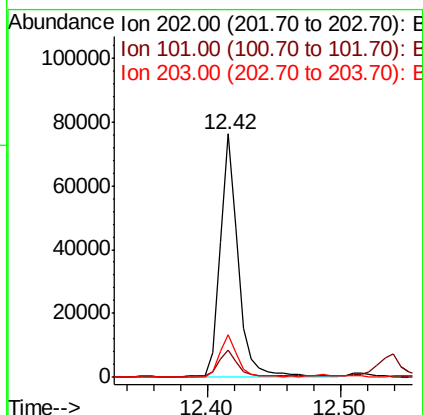
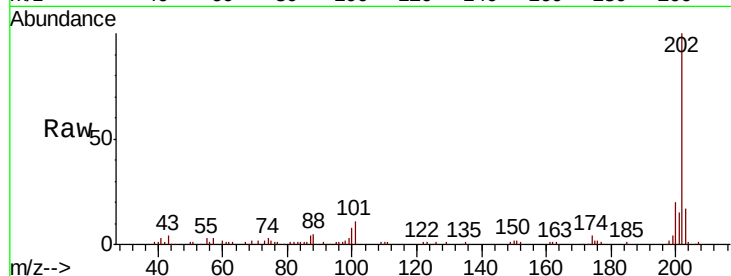




#74
Fluoranthene
Concen: 4.159 ng
RT: 12.42 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF109609.D
Acq: 5 Oct 2018 13:49

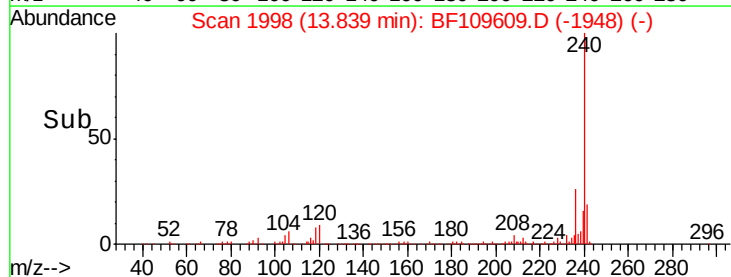
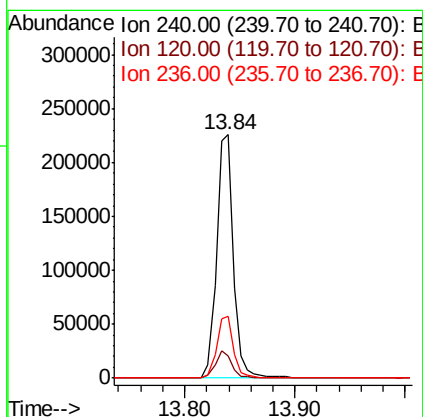
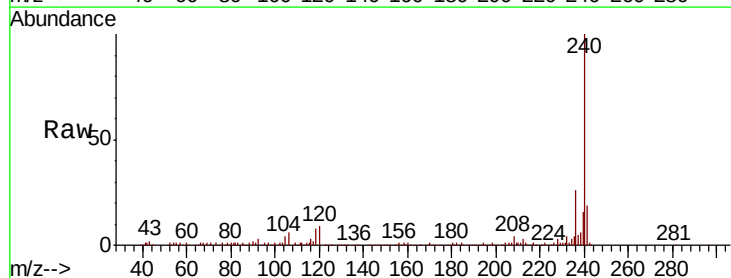
Instrument :
BNA_F
ClientSampleId :
DFTPP

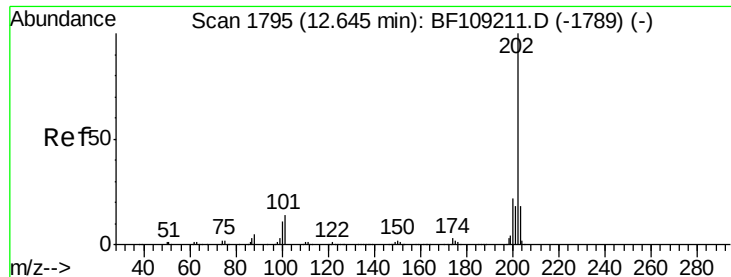
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	34.1
203	17.4	0.0	38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF109609.D
Acq: 5 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.4	9.5	14.3#
236	25.5	20.7	31.1





#77

Pvrene

Concen: 3.686 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109609.D

Acq: 5 Oct 2018 13:49

Instrument :

BNA_F

ClientSampleId :

DFTPP

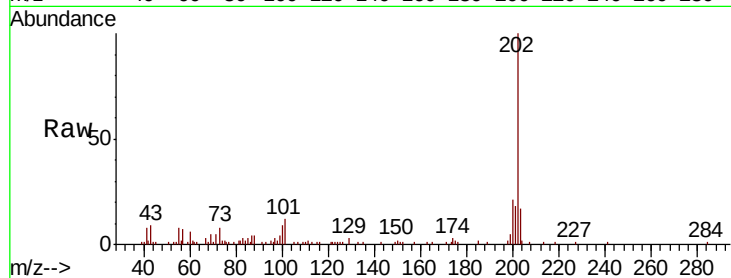
Tot Ion:202 Resp: 62631

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

203 17.3 14.3 21.5

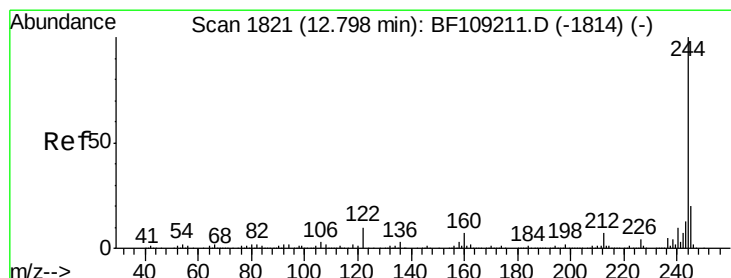
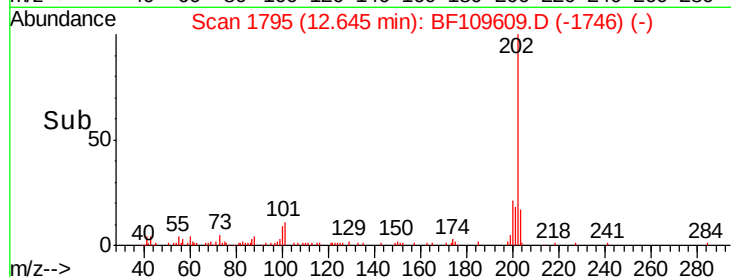
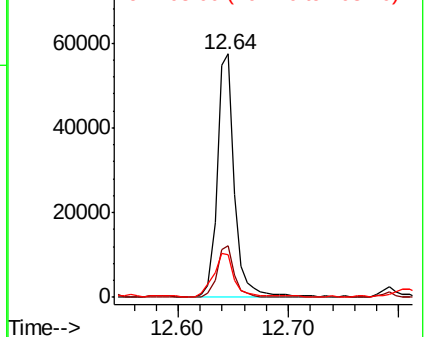


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 66.226 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109609.D

Acq: 5 Oct 2018 13:49

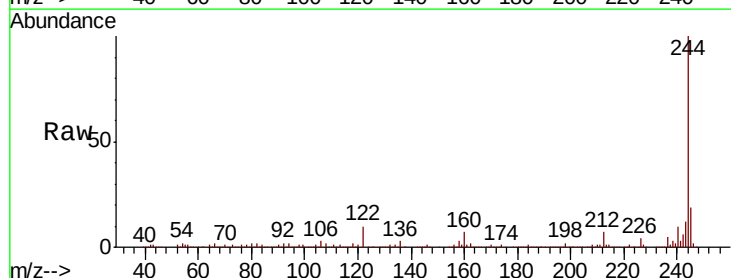
Tgt Ion:244 Resp: 639758

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 10.4 11.0 16.4#

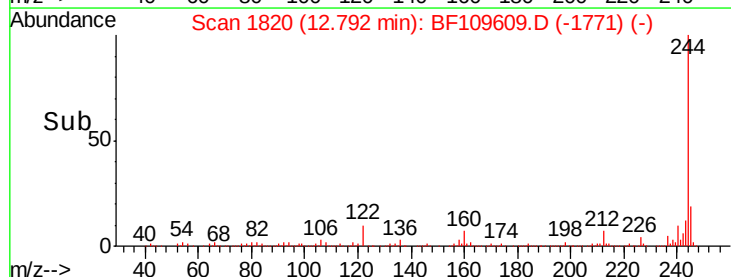
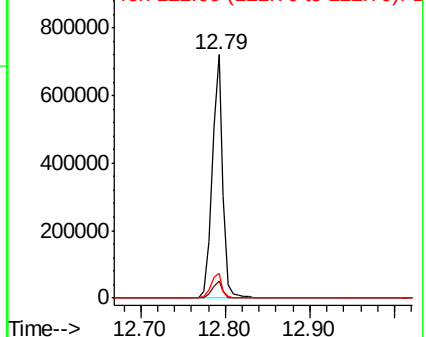


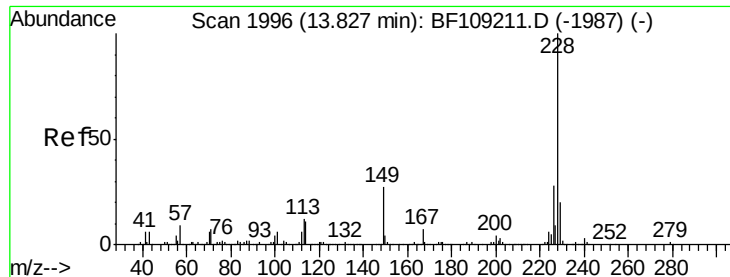
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.131 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109609.D

Acq: 5 Oct 2018 13:49

Instrument :

BNA_F

ClientSampleId :

DFTPP

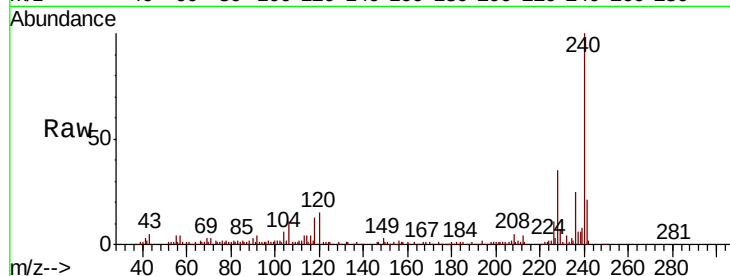
Tot Ion:228 Resp: 30425

Ion Ratio Lower Upper

228 100

226 30.7 22.6 33.8

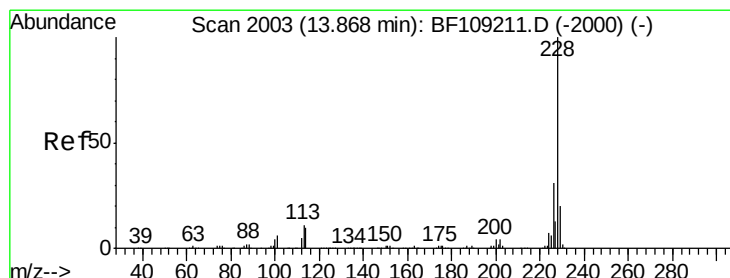
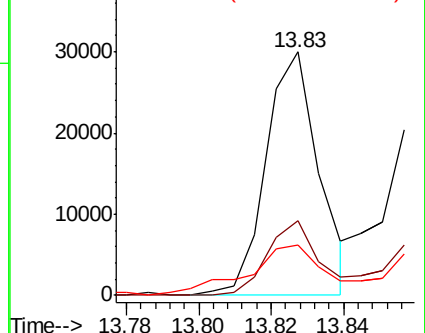
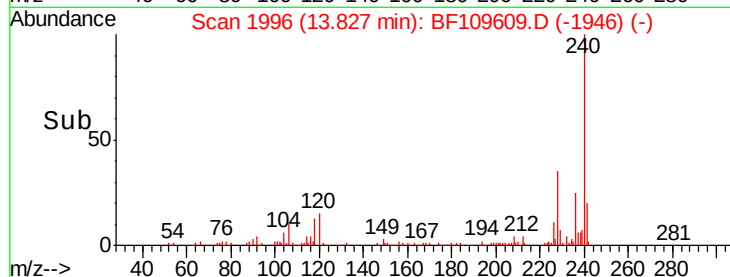
229 20.5 15.8 23.6



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



#82

Chrysene

Concen: 2.106 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109609.D

Acq: 5 Oct 2018 13:49

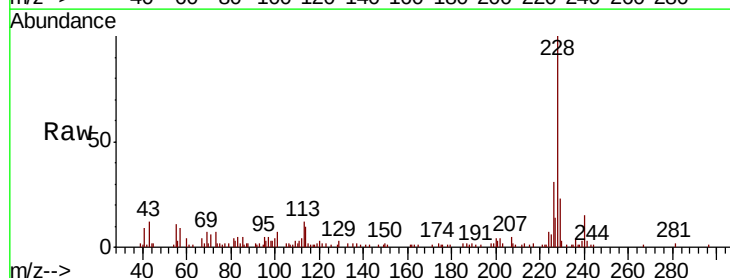
Tgt Ion:228 Resp: 29803

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

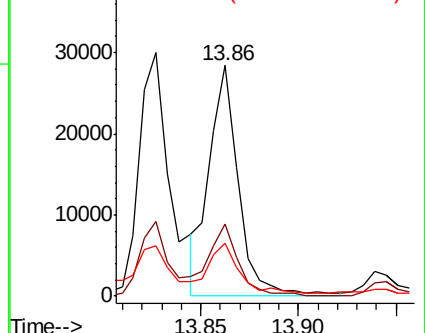
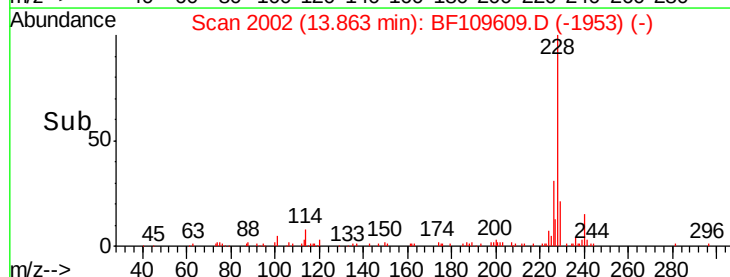
229 23.1 16.2 24.4

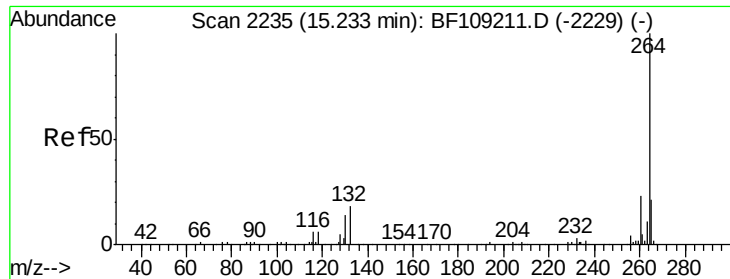


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

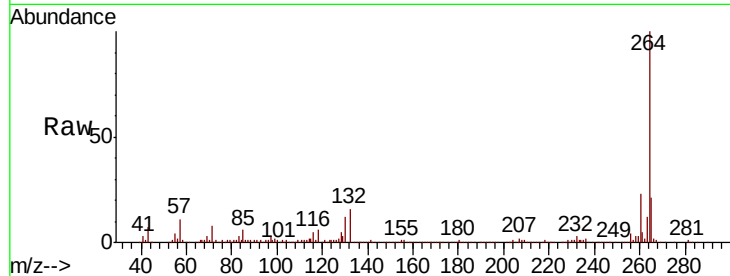




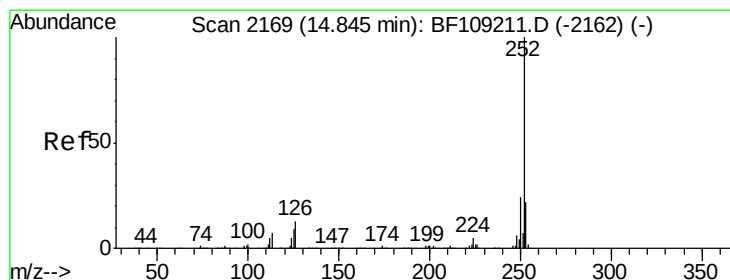
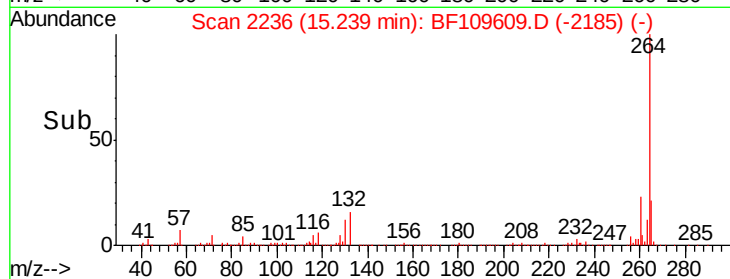
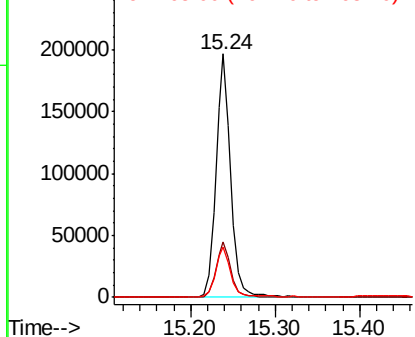
#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: BF109609.D
 Acq: 5 Oct 2018 13:49

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Tot Ion:264 Resp: 241916
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.2 28.8
 265 20.9 17.5 26.3

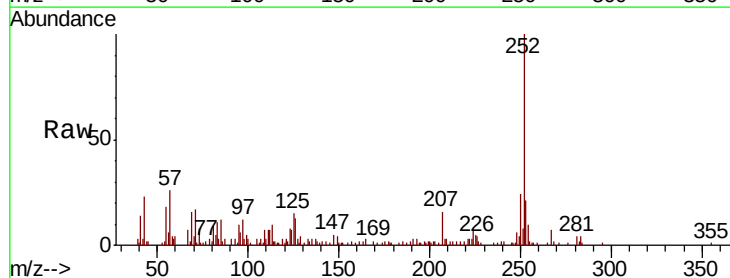


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

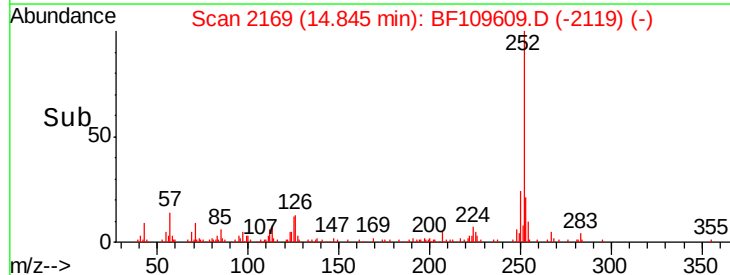
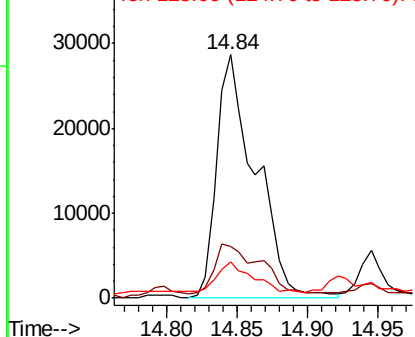


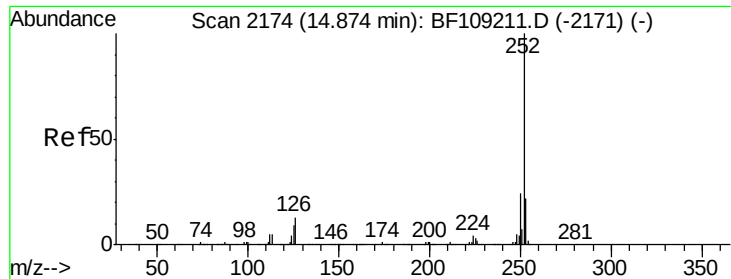
#87
 Benzo(b)fluoranthene
 Concen: 4.156 ng
 RT: 14.84 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BF109609.D
 Acq: 5 Oct 2018 13:49

Tgt Ion:252 Resp: 55249
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.0 25.6
 125 15.0 9.0 13.6#



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

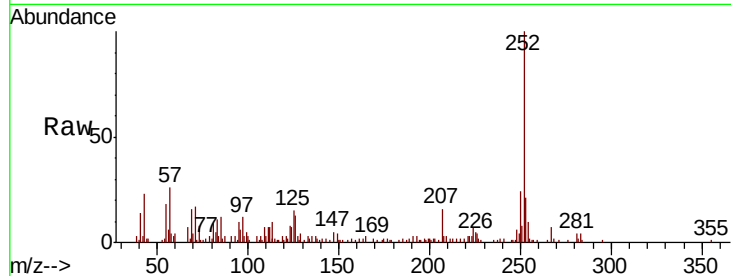




#88
Benzo(k)fluoranthene
Concen: 4.380 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109609.D
Acq: 5 Oct 2018 13:49

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.9	26.9
125	15.0	10.2	15.2

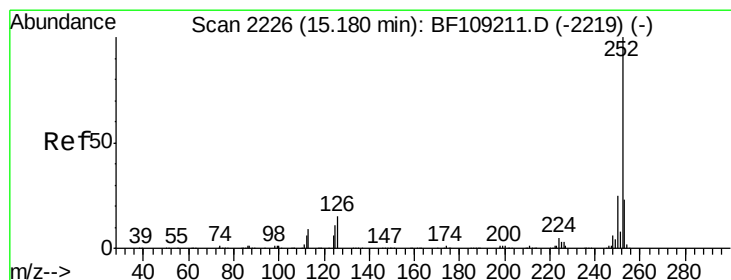
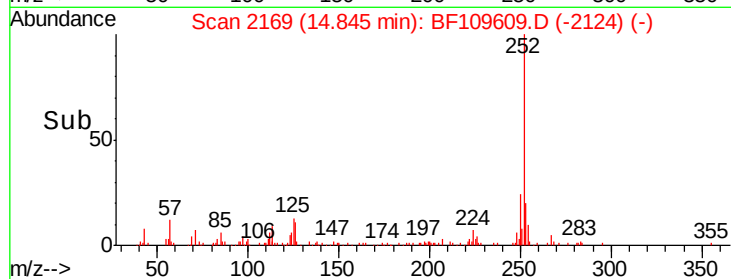
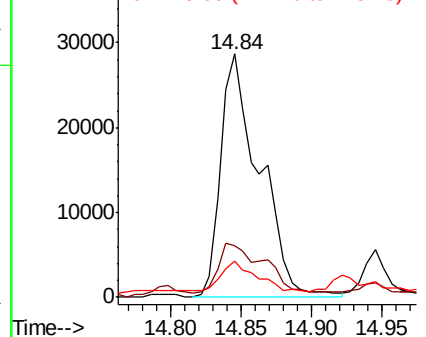


Abundance

Ion 252.00 (251.70 to 252.70): E

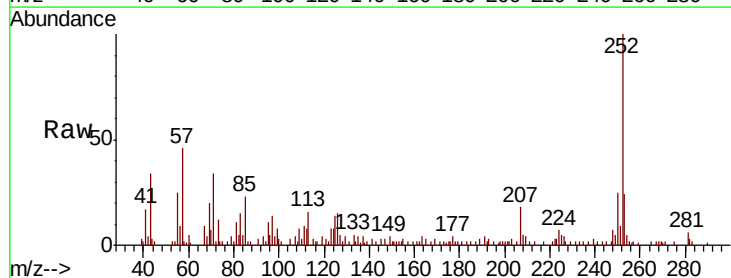
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.340 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109609.D
Acq: 5 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	14.4	9.8	14.6



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

