

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
 Data File : BF109432.D
 Acq On : 28 Sep 2018 16:20
 Operator : JU/SJ
 Sample : J4777-09 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 28 18:17:43 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

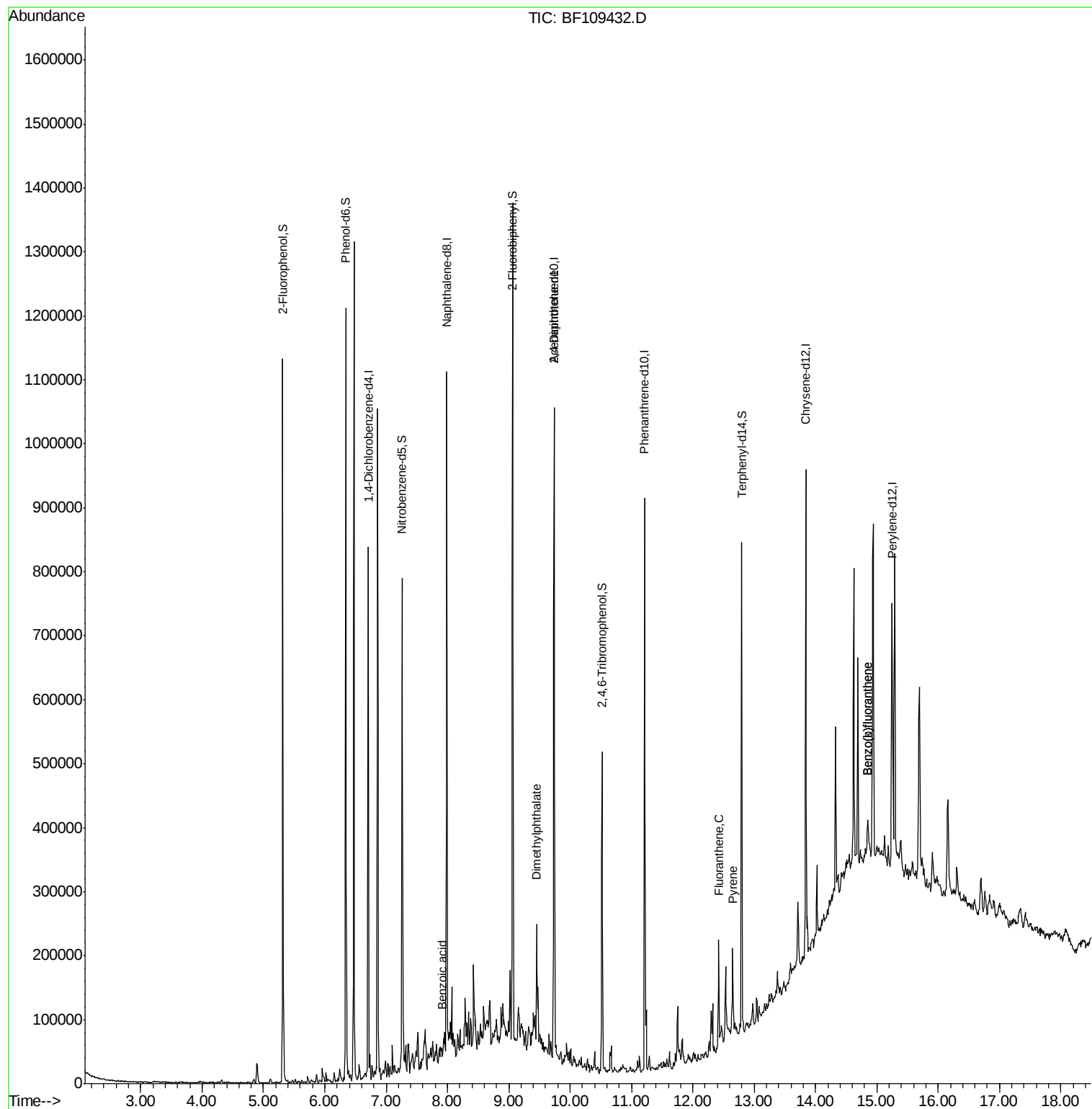
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	123193	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	448105	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	181412	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	298739	20.00	ng	0.00
75) Chrysene-d12	13.84	240	250226	20.00	ng	0.00
86) Perylene-d12	15.25	264	195176	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	297103	39.72	ng	0.00
7) Phenol-d6	6.35	99	375324	39.33	ng	-0.01
23) Nitrobenzene-d5	7.26	82	233315	30.74	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	53650	30.00	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	357768	29.74	ng	-0.01
78) Terphenyl-d14	12.80	244	255136	25.02	ng	0.00
Target Compounds						
32) Benzoic acid	7.92	122	231	6.846	ng	# 50
49) Dimethylphthalate	9.46	163	59750	4.528	ng	# 99
56) 2,4-Dinitrotoluene	9.74	165	24682	7.465	ng	# 24
74) Fluoranthene	12.42	202	60352	3.786	ng	98
77) Pyrene	12.65	202	60276	3.361	ng	99
87) Benzo(b)fluoranthene	14.85	252	33593	3.132	ng	# 77
88) Benzo(k)fluoranthene	14.85	252	33593	3.301	ng	# 80

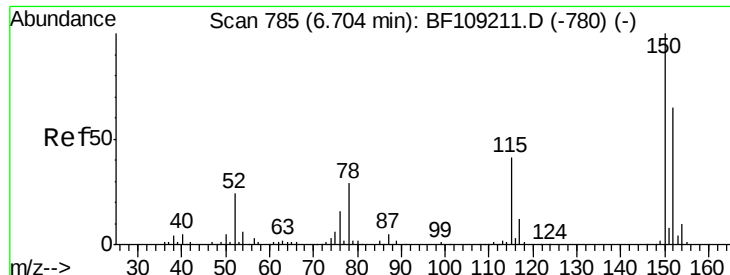
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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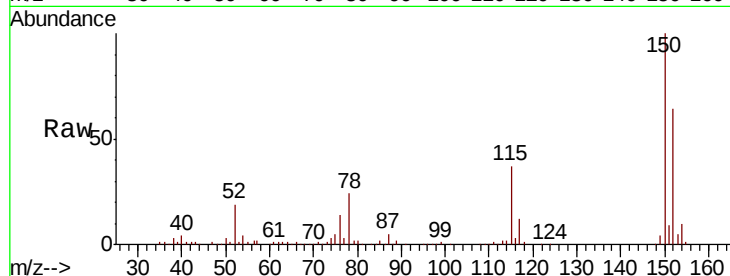


#1

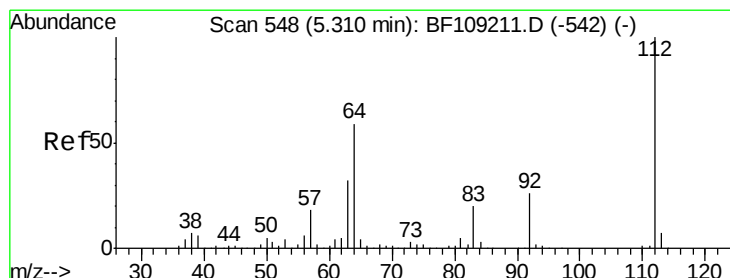
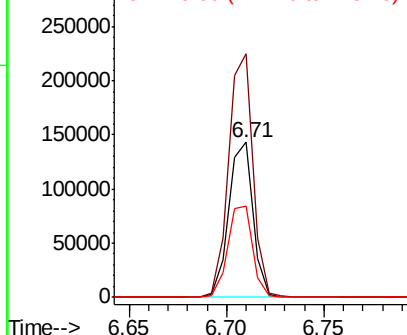
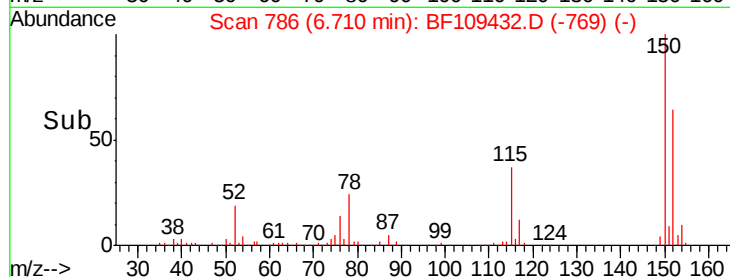
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109432.D
Acq: 28 Sep 2018 16:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 123193
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 58.7 50.1 75.1



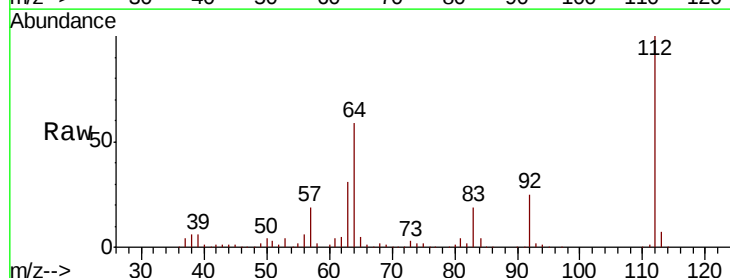
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



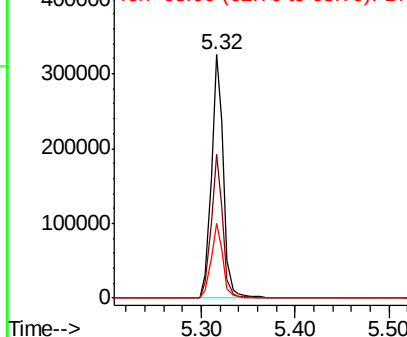
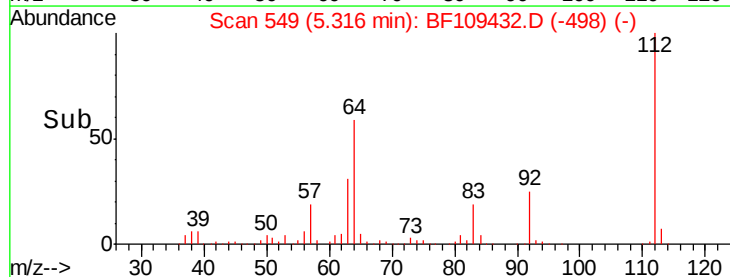
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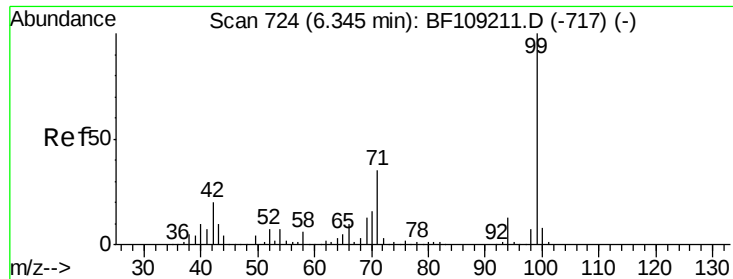
2-Fluorophenol
Concen: 39.722 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109432.D
Acq: 28 Sep 2018 16:20

Tgt Ion:112 Resp: 297103
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 30.9 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: 39.325 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109432.D

Acq: 28 Sep 2018 16:20

Instrument :

BNA_G

ClientSampled :

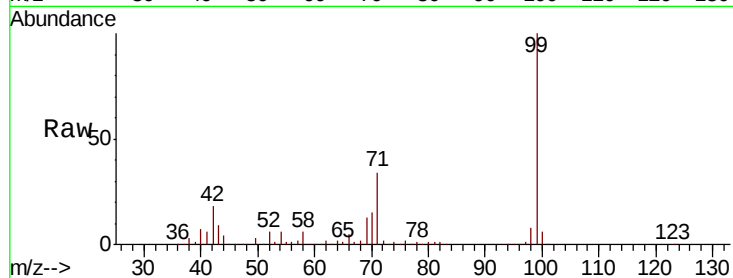
Tot Ion: 99 Resp: 375324

Ion Ratio Lower Upper

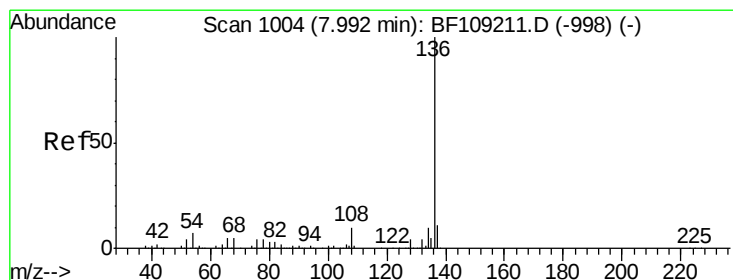
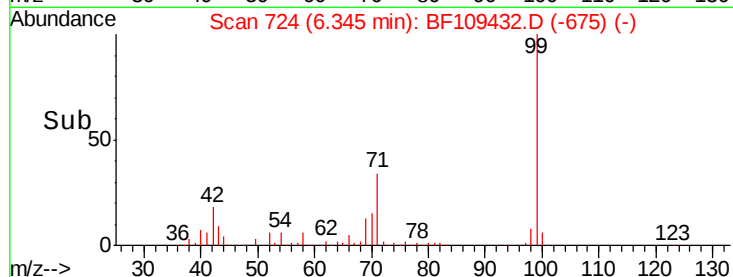
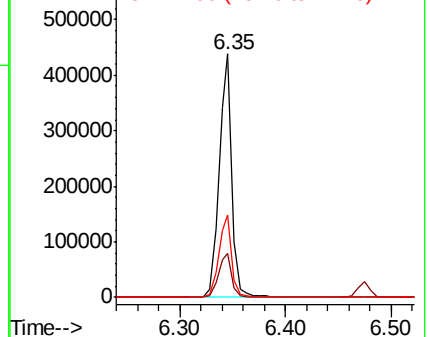
99 100

42 17.9 14.5 21.7

71 33.9 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109432.D

Acq: 28 Sep 2018 16:20

Tgt Ion: 136 Resp: 448105

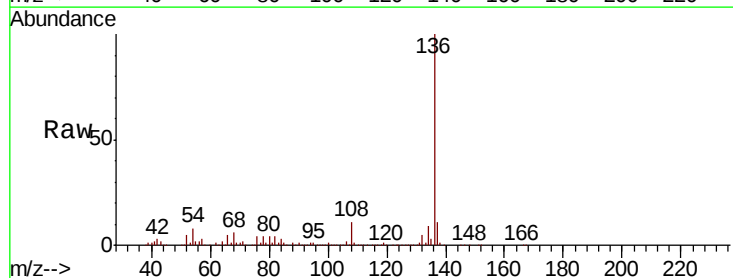
Ion Ratio Lower Upper

136 100

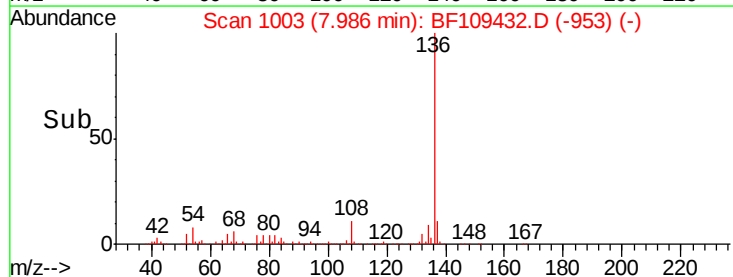
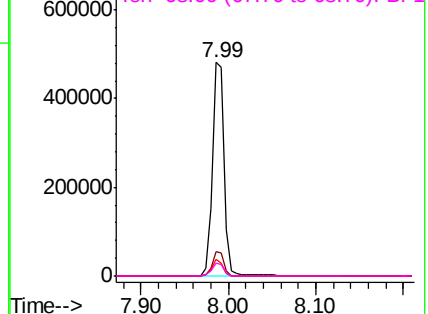
137 11.2 8.9 13.3

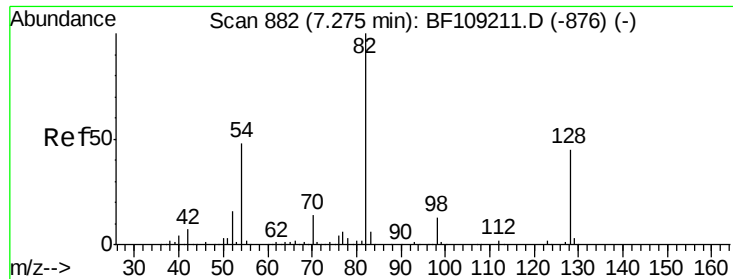
54 7.9 6.6 9.8

68 6.1 5.0 7.4



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

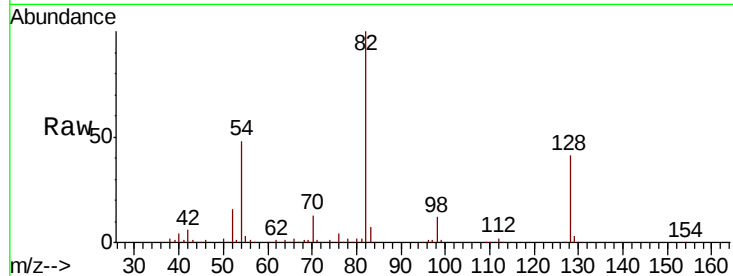




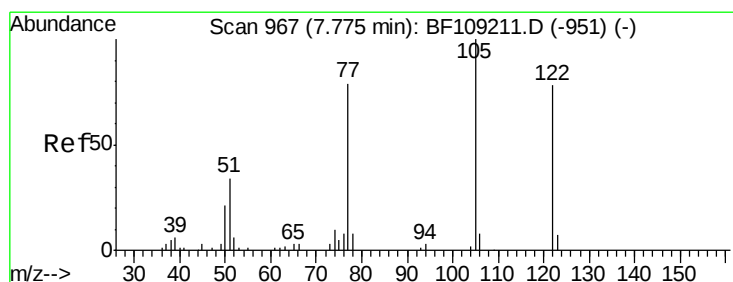
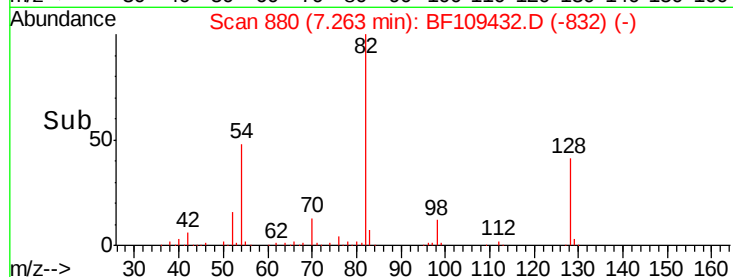
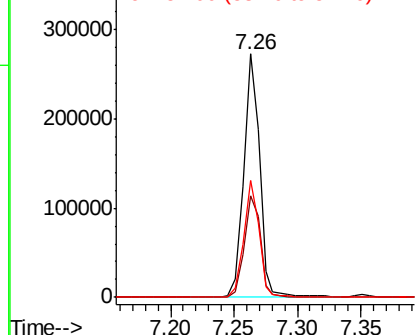
#23
Nitrobenzene-d5
Concen: 30.736 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109432.D
Acq: 28 Sep 2018 16:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.5	36.1	54.1
54	47.8	41.4	62.2

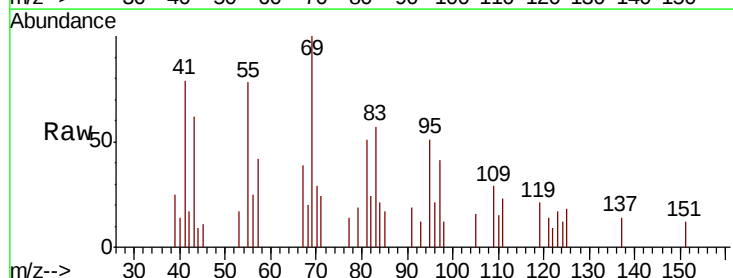


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

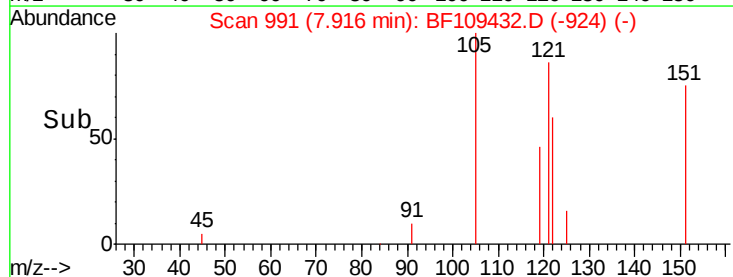
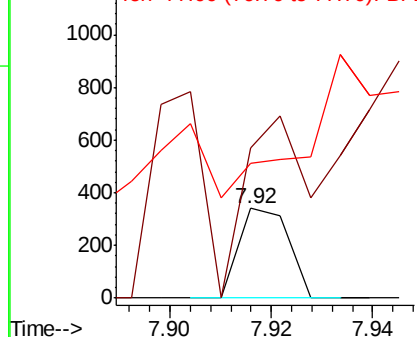


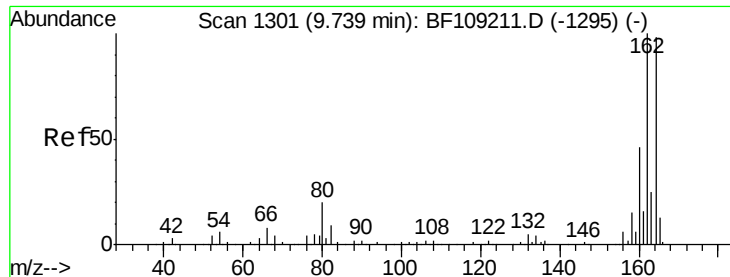
#32
Benzoic acid
Concen: 6.846 ng
RT: 7.92 min Scan# 991
Delta R.T. 0.09 min
Lab File: BF109432.D
Acq: 28 Sep 2018 16:20

Tgt Ion	Ratio	Lower	Upper
122	100		
105	167.2	101.1	141.1#
77	150.1	70.7	110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

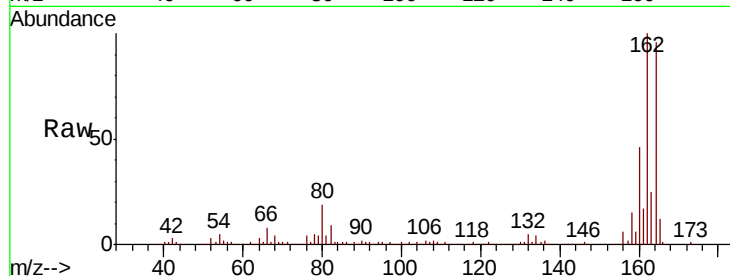




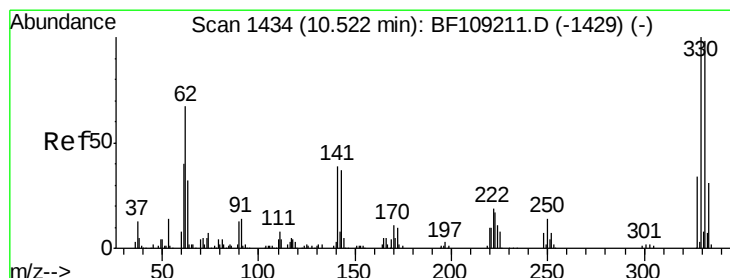
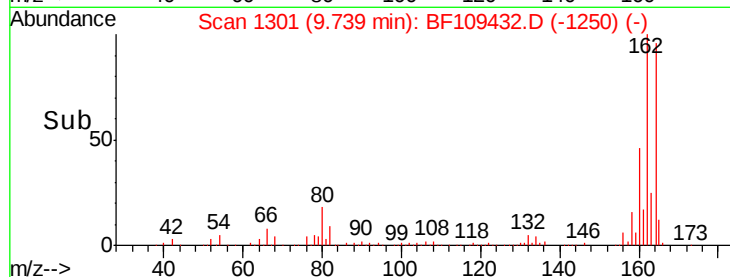
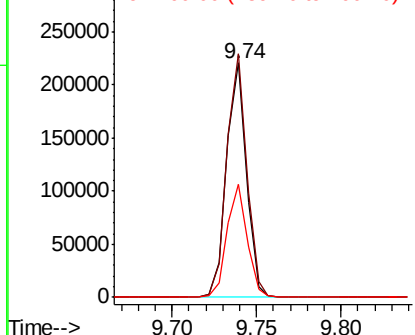
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109432.D
Acq: 28 Sep 2018 16:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 181412
Ion Ratio Lower Upper
164 100
162 103.9 86.1 129.1
160 48.1 38.3 57.5

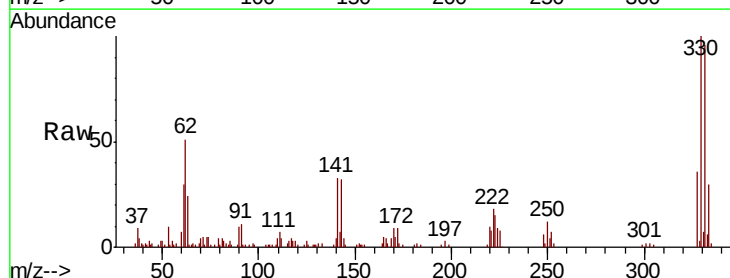


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

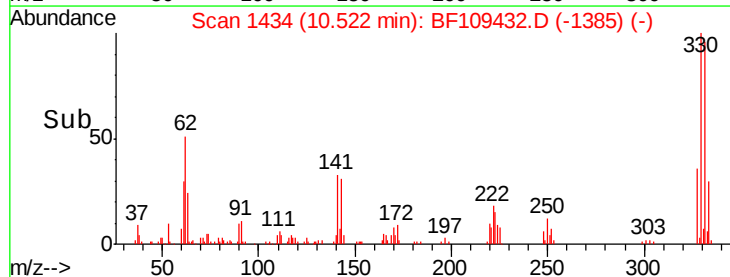
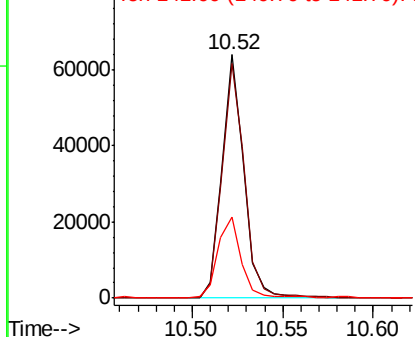


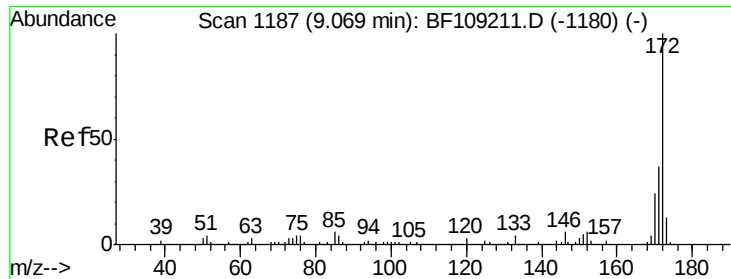
#41
2,4,6-Tribromophenol
Concen: 30.000 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF109432.D
Acq: 28 Sep 2018 16:20

Tgt Ion:330 Resp: 53650
Ion Ratio Lower Upper
330 100
332 98.8 77.0 115.6
141 35.7 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

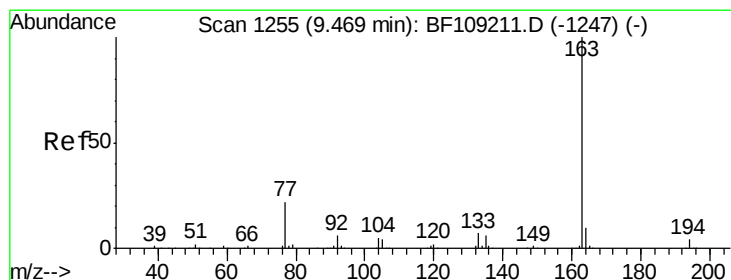
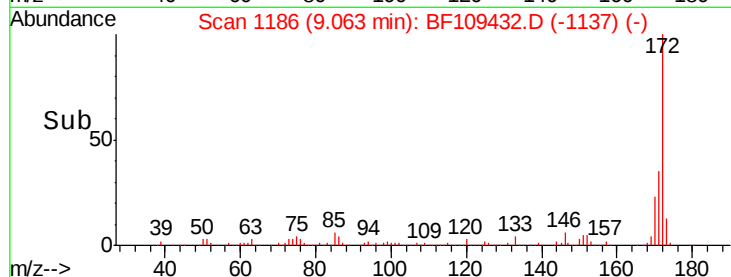
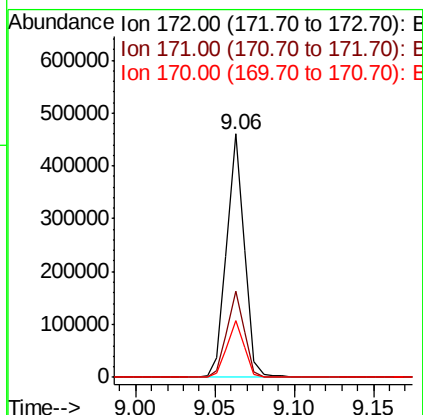
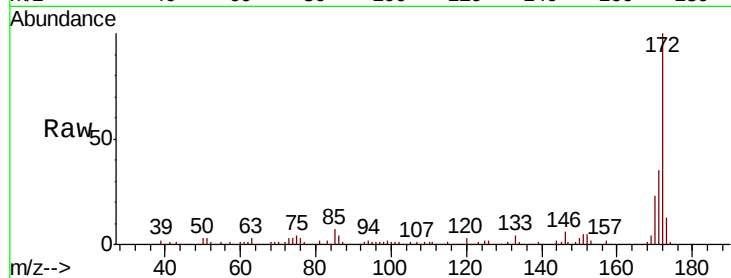




#44
2-Fluorobiphenyl
Concen: 29.744 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109432.D
Acq: 28 Sep 2018 16:20

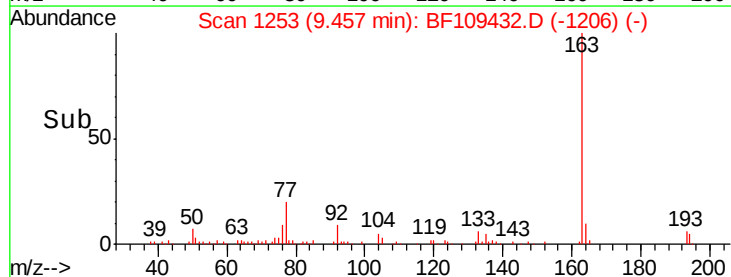
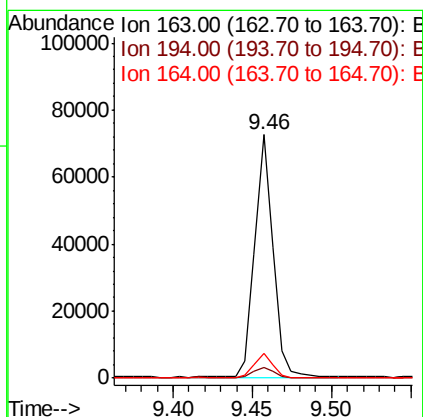
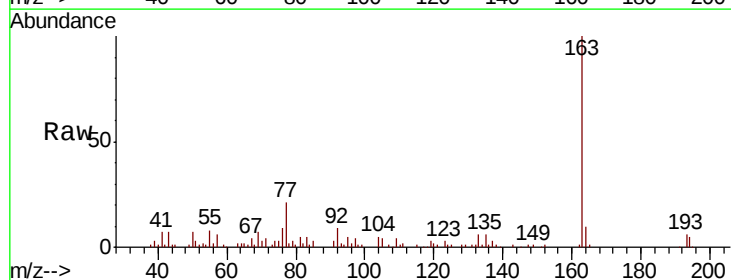
Instrument :
BNA_G
ClientSampleId :

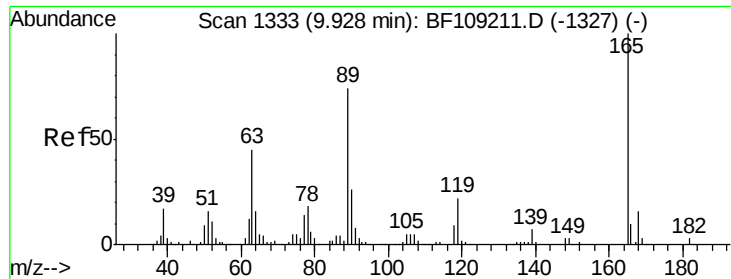
Tot Ion:172 Resp: 357768
Ion Ratio Lower Upper
172 100
171 35.4 29.7 44.5
170 23.3 19.6 29.4



#49
Dimethylphthalate
Concen: 4.528 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109432.D
Acq: 28 Sep 2018 16:20

Tgt Ion:163 Resp: 59750
Ion Ratio Lower Upper
163 100
194 4.6 2.7 4.1#
164 10.3 8.2 12.2

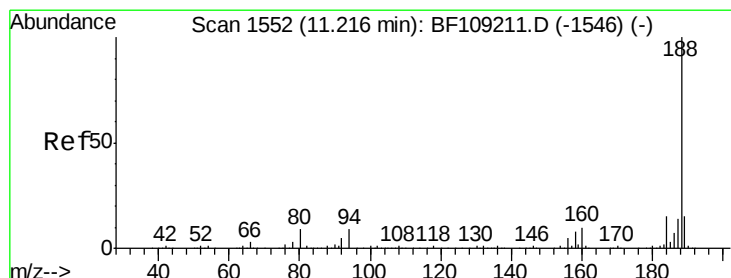
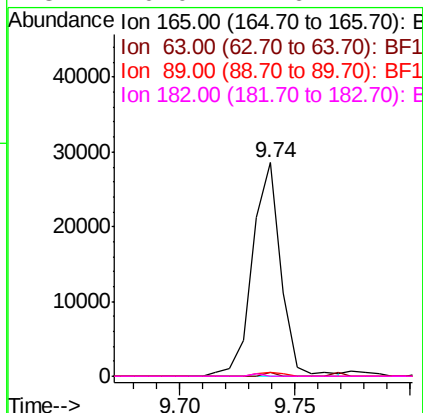
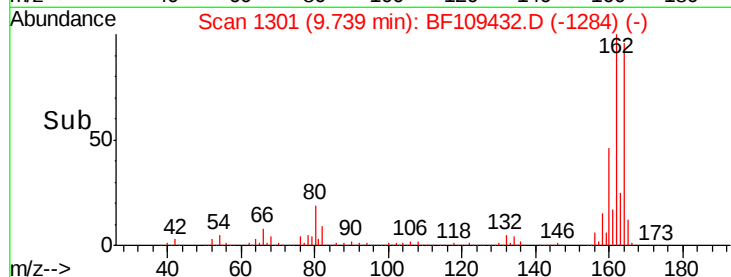
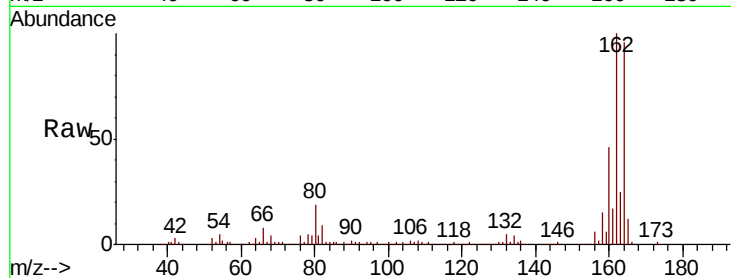




#56
 2,4-Dinitrotoluene
 Concen: 7.465 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.20 min
 Lab File: BF109432.D
 Acq: 28 Sep 2018 16:20

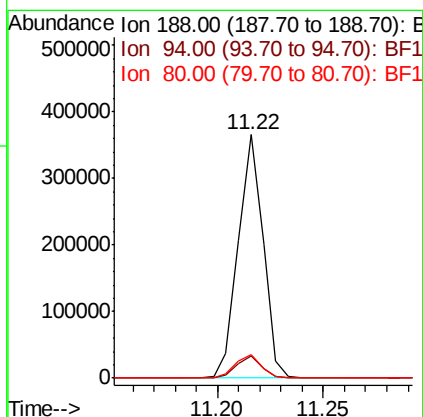
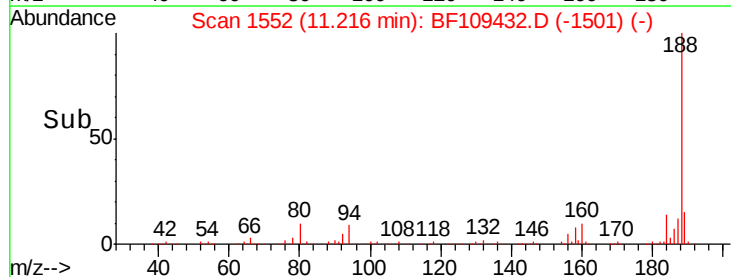
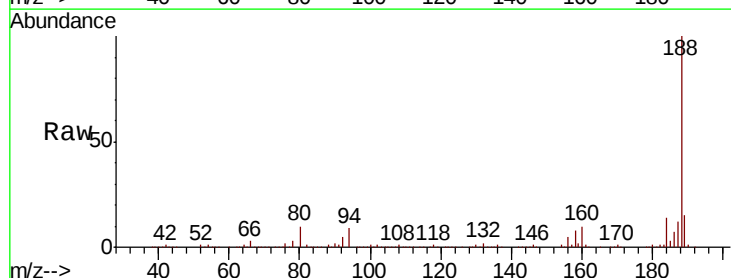
Instrument :
 BNA_G
 ClientSampleId :

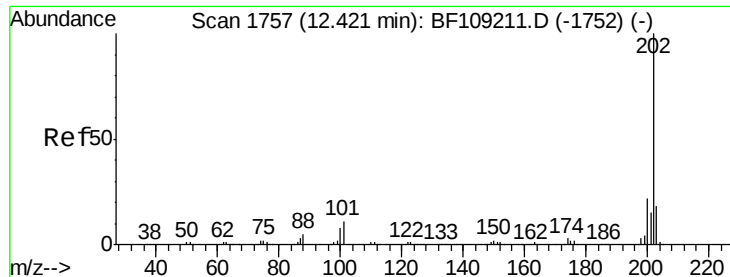
Tot Ion:165 Resp: 24682
 Ion Ratio Lower Upper
 165 100
 63 1.9 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109432.D
 Acq: 28 Sep 2018 16:20

Tgt Ion:188 Resp: 298739
 Ion Ratio Lower Upper
 188 100
 94 8.9 8.5 12.7
 80 9.6 9.2 13.8





#74

Fluoranthene

Concen: 3.786 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109432.D

Acq: 28 Sep 2018 16:20

Instrument :

BNA_G

ClientSampleId :

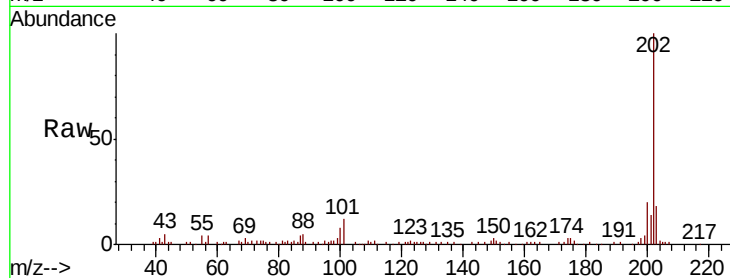
Tot Ion:202 Resp: 60352

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

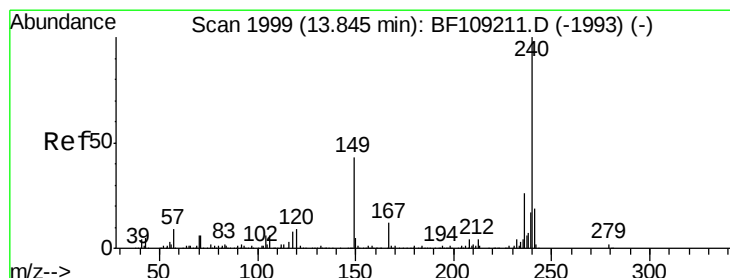
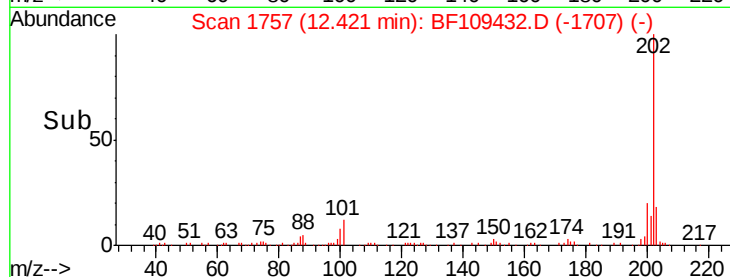
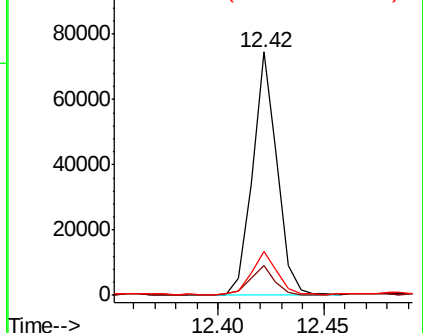
203 18.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109432.D

Acq: 28 Sep 2018 16:20

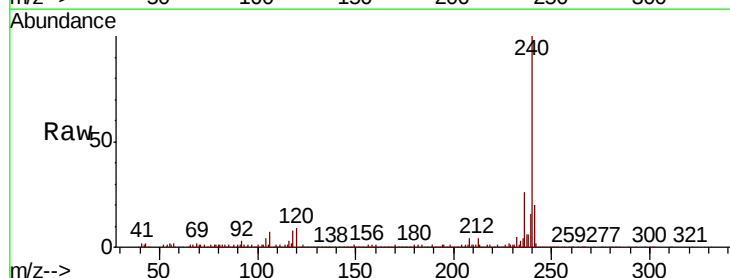
Tgt Ion:240 Resp: 250226

Ion Ratio Lower Upper

240 100

120 9.3 9.5 14.3#

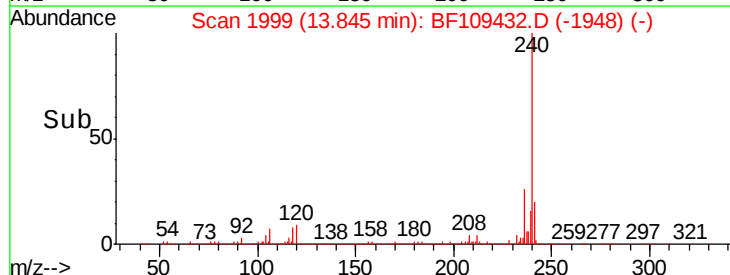
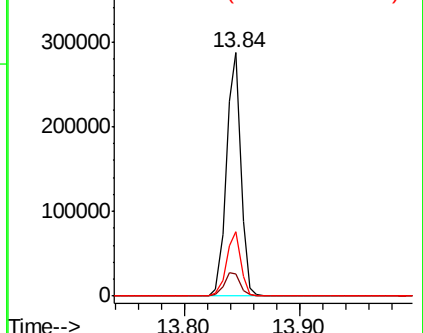
236 26.5 20.7 31.1

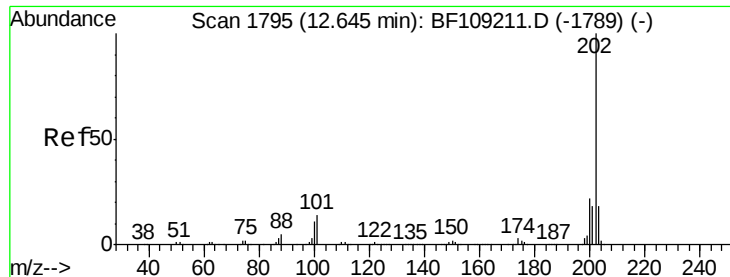


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

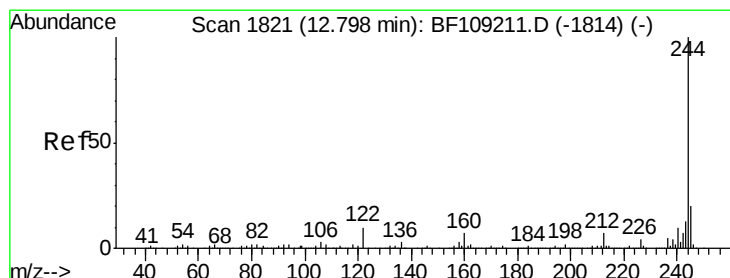
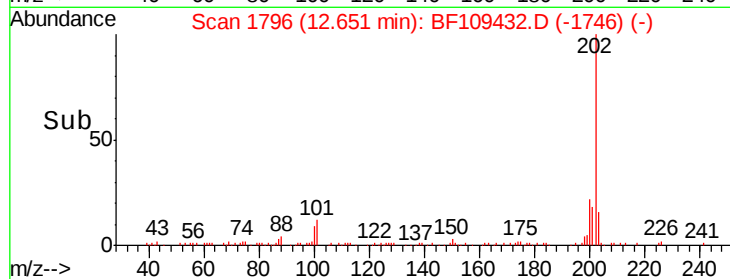
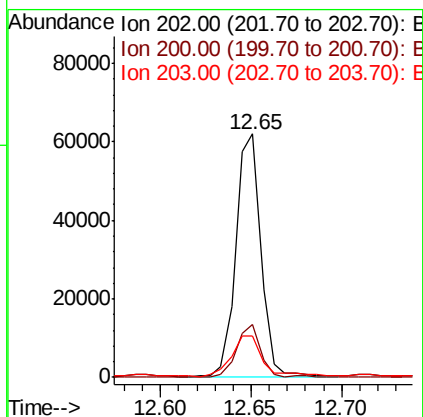
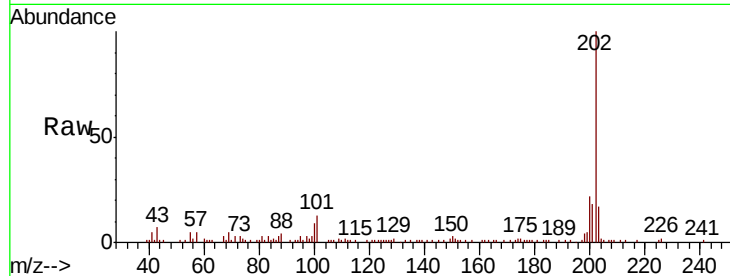




#77
Pvrene
Concen: 3.361 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BF109432.D
Acq: 28 Sep 2018 16:20

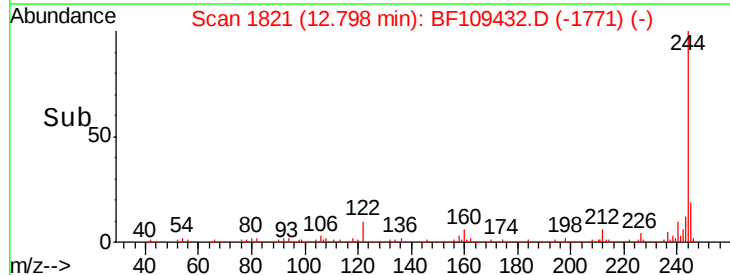
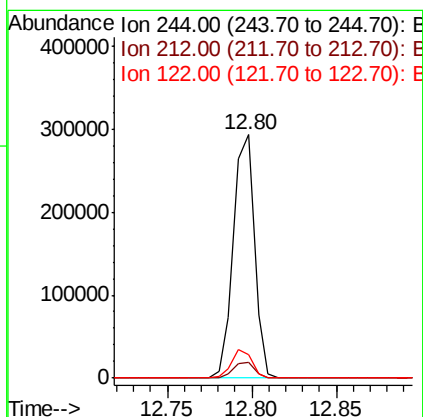
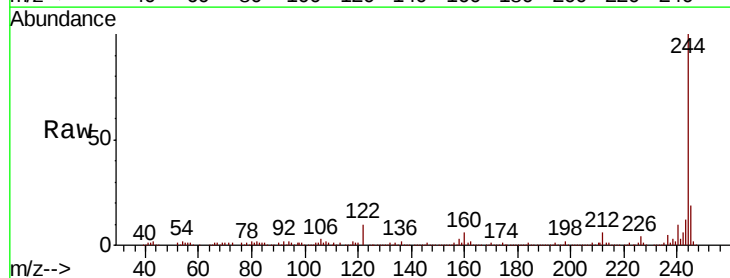
Instrument :
BNA_G
ClientSampleId :

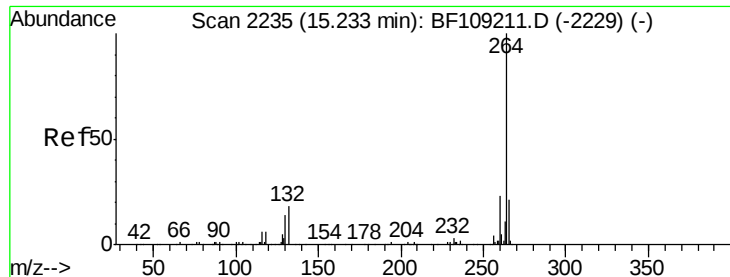
Tot Ion:202 Resp: 60276
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 17.1 14.3 21.5



#78
Terphenyl-d14
Concen: 25.023 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF109432.D
Acq: 28 Sep 2018 16:20

Tgt Ion:244 Resp: 255136
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 9.7 11.0 16.4#

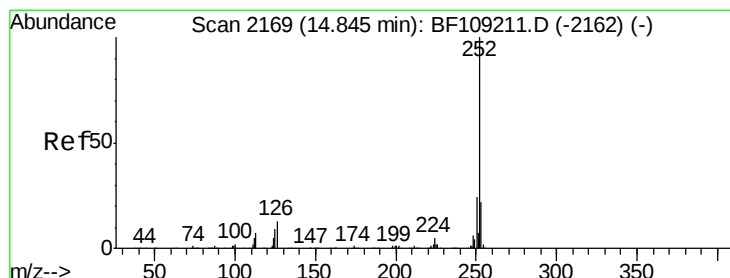
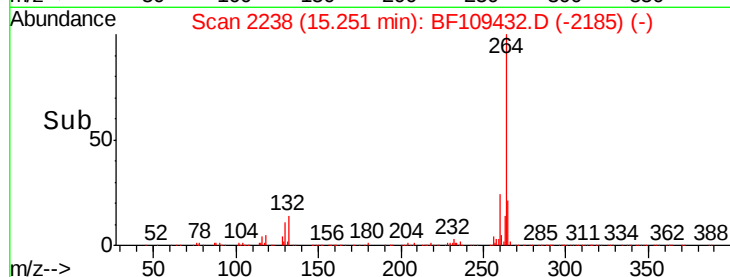
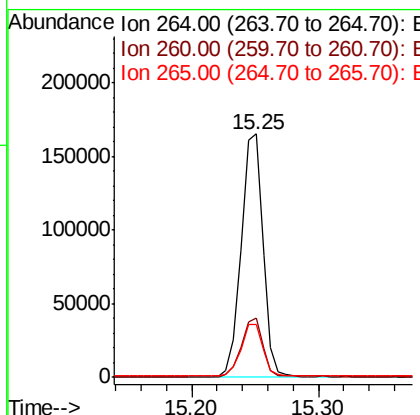
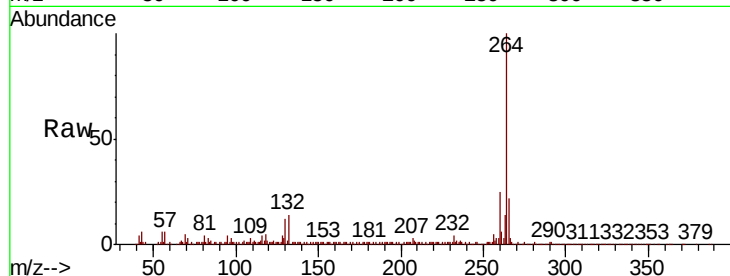




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF109432.D
Acq: 28 Sep 2018 16:20

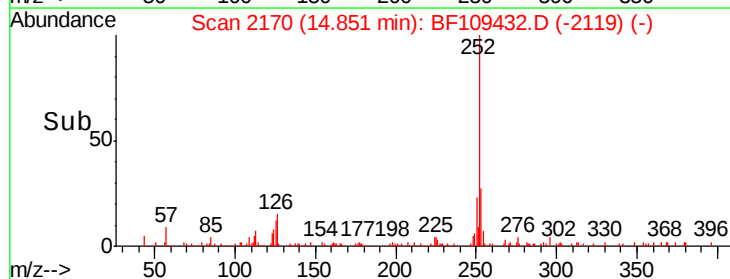
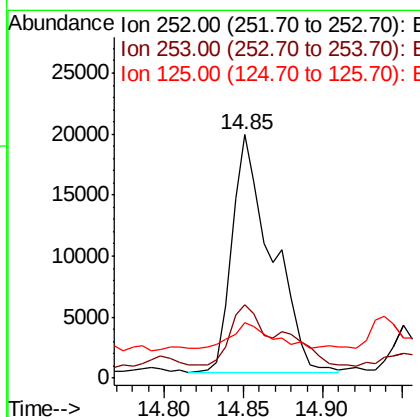
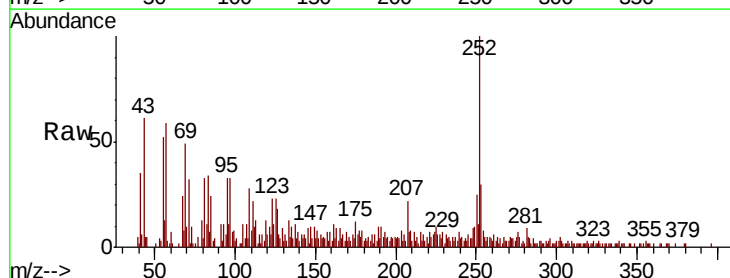
Instrument :
BNA_G
ClientSampleId :

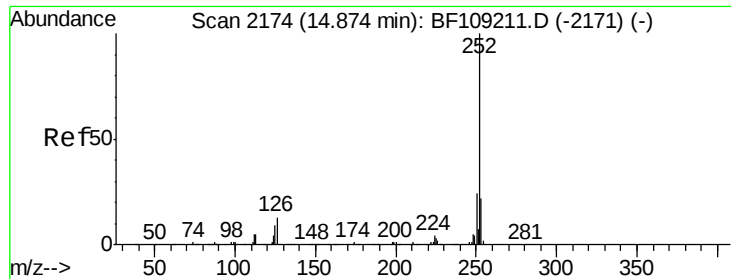
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.7	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 3.132 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109432.D
Acq: 28 Sep 2018 16:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.4	17.0	25.6#
125	23.0	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 3.301 ng

RT: 14.85 min Scan# 2170

Delta R.T. -0.03 min

Lab File: BF109432.D

Acq: 28 Sep 2018 16:20

Instrument :

BNA_G

ClientSampleId :

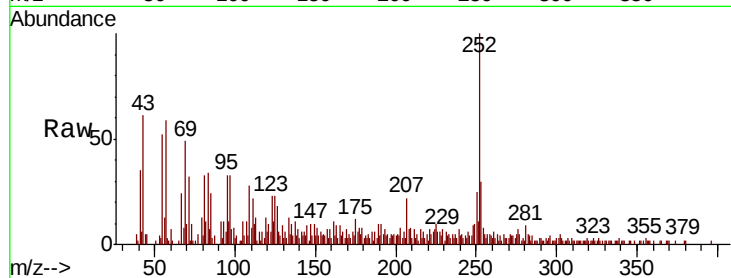
Tot Ion: 252 Resp: 33593

Ion Ratio Lower Upper

252 100

253 30.4 17.9 26.9#

125 23.0 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

