

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109229.D
 Acq On : 22 Sep 2018 18:47
 Operator : JU/SJ
 Sample : J4777-11 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 06:50:09 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

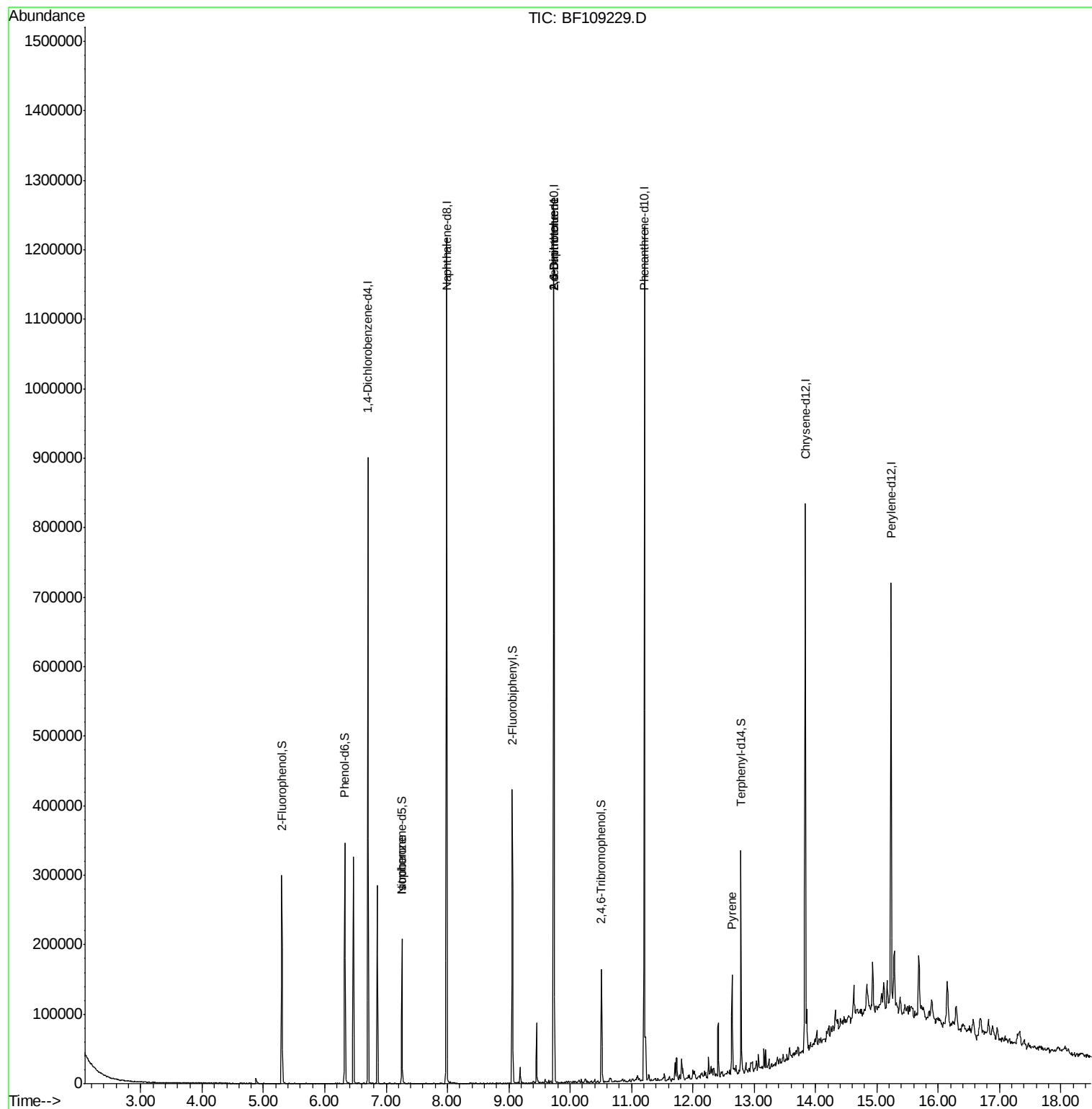
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	119523	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	477248	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	222210	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	391270	20.00	ng	0.00
75) Chrysene-d12	13.83	240	248905	20.00	ng	-0.01
86) Perylene-d12	15.23	264	262554	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	75680	10.43	ng	-0.02
7) Phenol-d6	6.33	99	99368	10.73	ng	-0.03
23) Nitrobenzene-d5	7.26	82	57808	7.15	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	19524	8.91	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	118139	8.02	ng	-0.02
78) Terphenyl-d14	12.79	244	91067	8.98	ng	-0.02
Target Compounds						
25) Isophorone	7.26	82	45470	3.123	ng	# 64
50) 2,6-Dinitrotoluene	9.73	165	28453	8.889	ng	# 25
56) 2,4-Dinitrotoluene	9.73	165	28453	7.025	ng	# 23
77) Pyrene	12.64	202	51659	2.896	ng	99

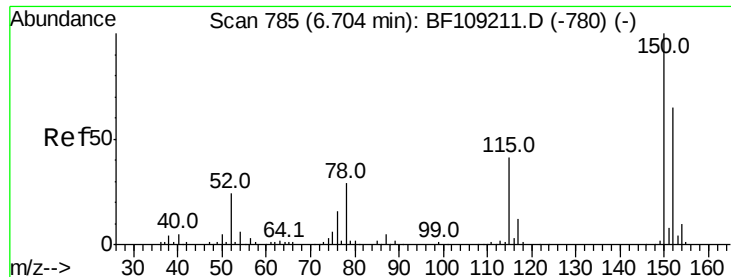
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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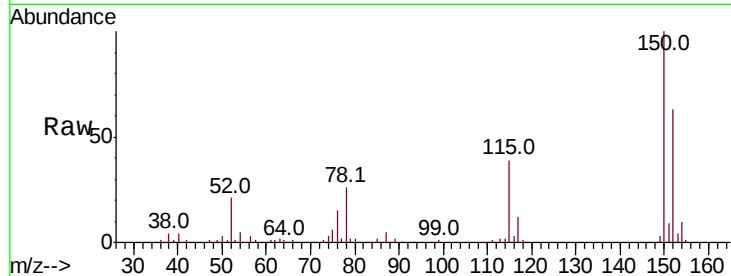


#1

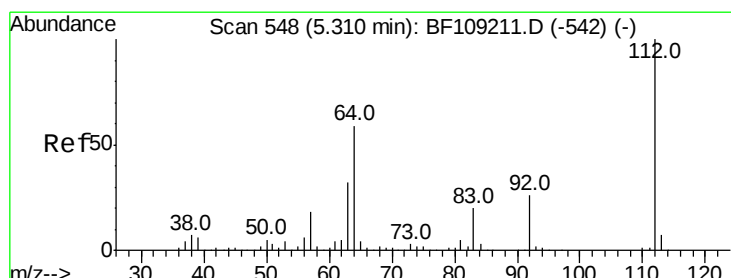
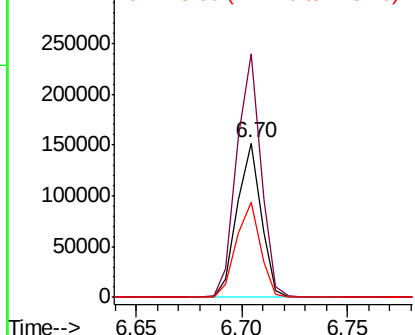
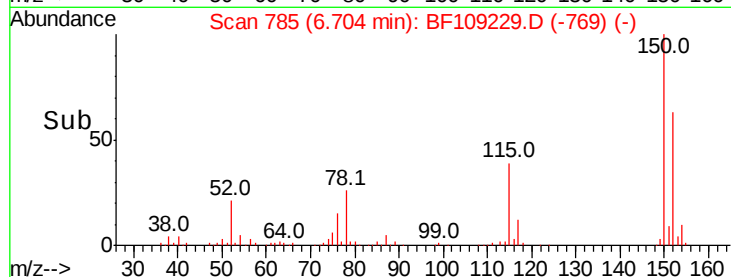
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109229.D
Acq: 22 Sep 2018 18:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 119523
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 62.2 50.1 75.1



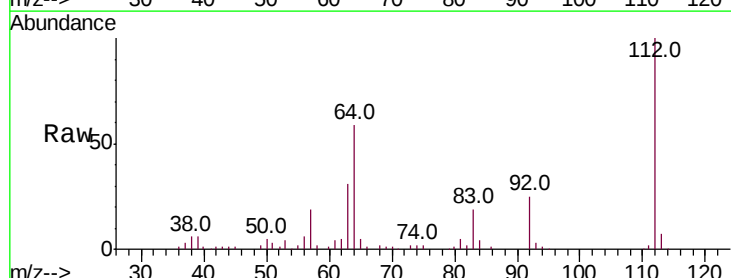
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



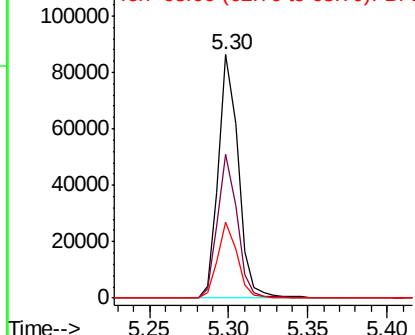
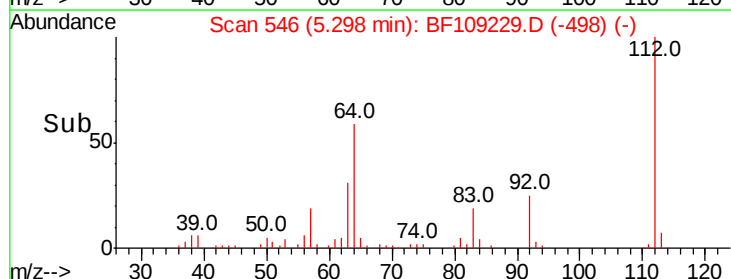
#5

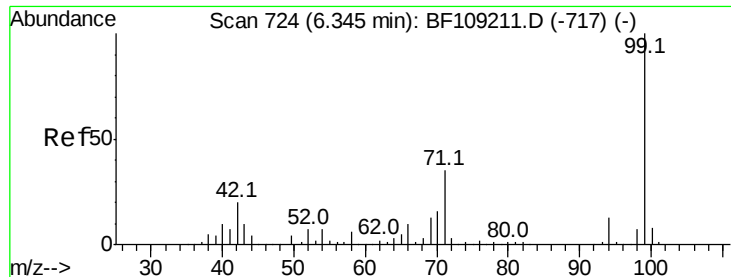
2-Fluorophenol
Concen: 10.429 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.02 min
Lab File: BF109229.D
Acq: 22 Sep 2018 18:47

Tgt Ion:112 Resp: 75680
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 31.4 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: 10.731 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.03 min

Lab File: BF109229.D

Acq: 22 Sep 2018 18:47

Instrument :

BNA_F

ClientSampleId :

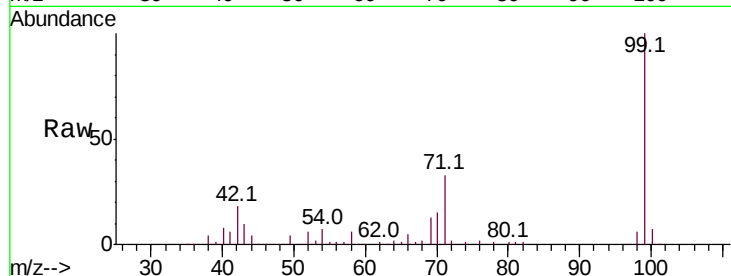
Tot Ion: 99 Resp: 99368

Ion Ratio Lower Upper

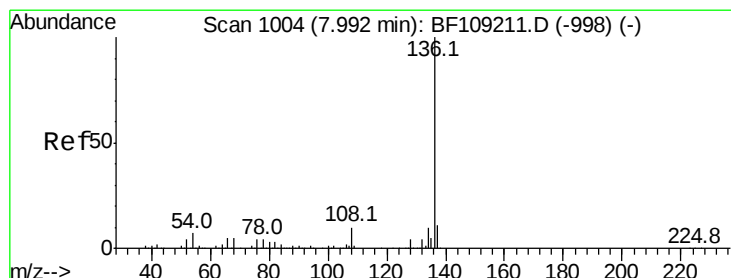
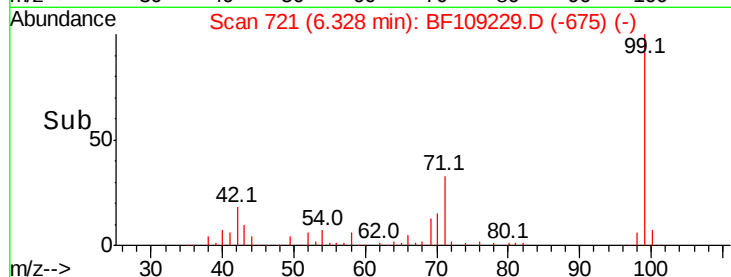
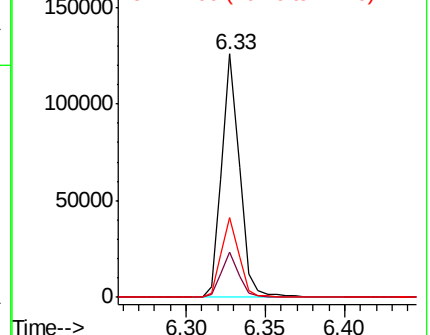
99 100

42 18.3 14.5 21.7

71 32.9 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: BF109229.D

Acq: 22 Sep 2018 18:47

Tgt Ion: 136 Resp: 477248

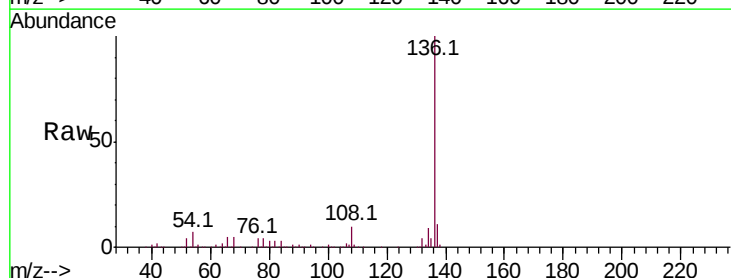
Ion Ratio Lower Upper

136 100

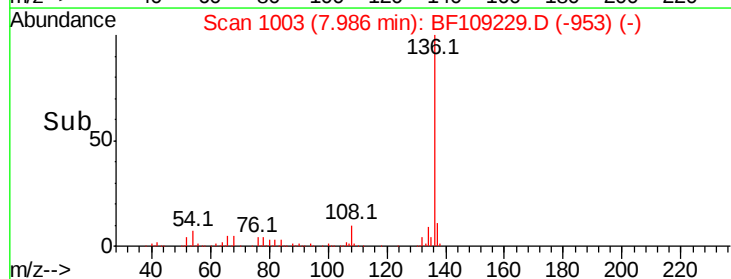
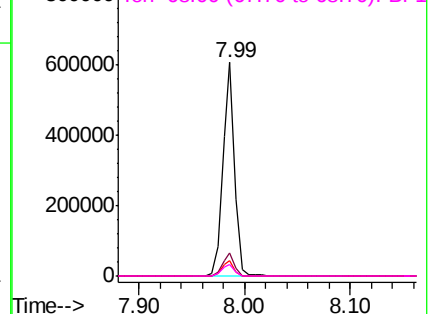
137 11.0 8.9 13.3

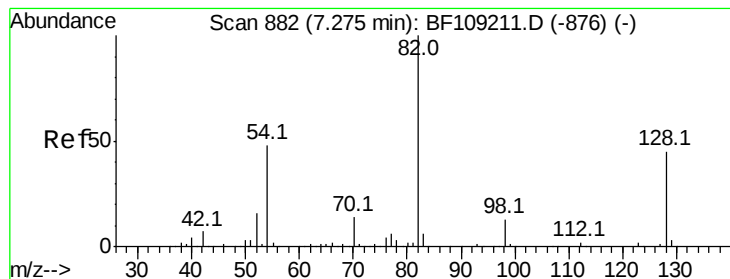
54 7.0 6.6 9.8

68 5.5 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: 7.150 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.02 min

Lab File: BF109229.D

Acq: 22 Sep 2018 18:47

Instrument :

BNA_F

ClientSampleId :

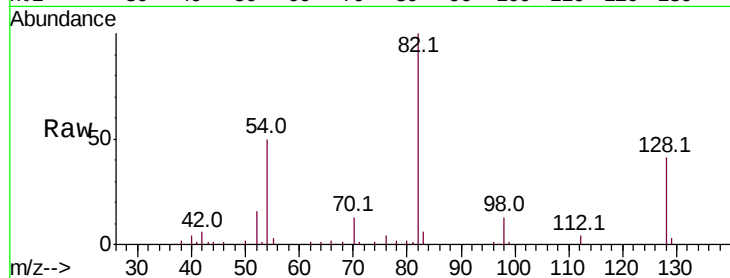
Tot Ion: 82 Resp: 57808

Ion Ratio Lower Upper

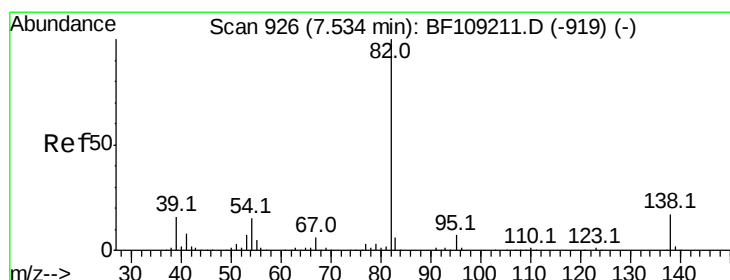
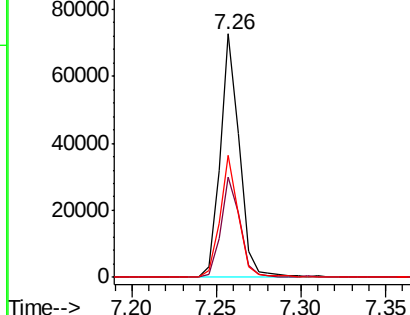
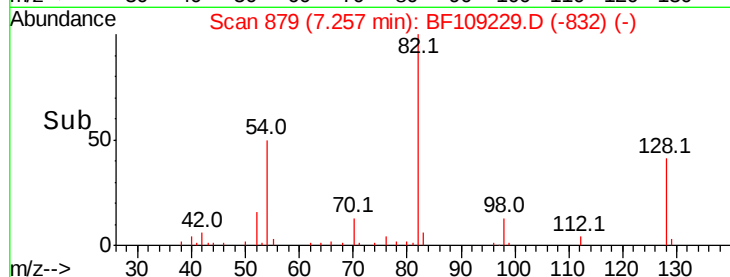
82 100

128 41.1 36.1 54.1

54 50.3 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: 3.123 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.29 min

Lab File: BF109229.D

Acq: 22 Sep 2018 18:47

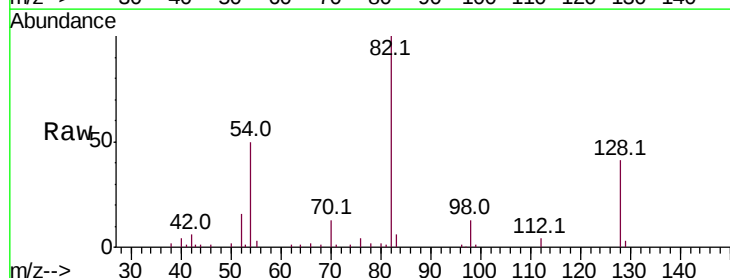
Tgt Ion: 82 Resp: 45470

Ion Ratio Lower Upper

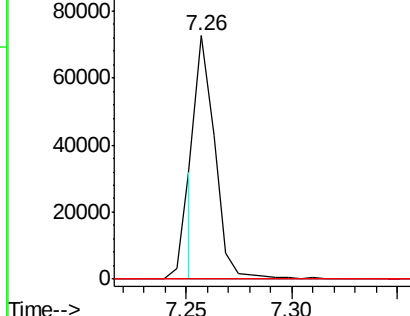
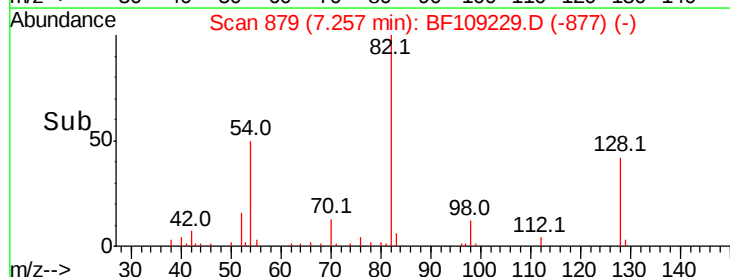
82 100

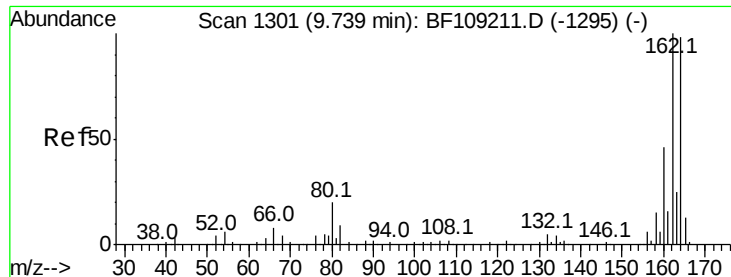
95 0.0 5.2 7.8#

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

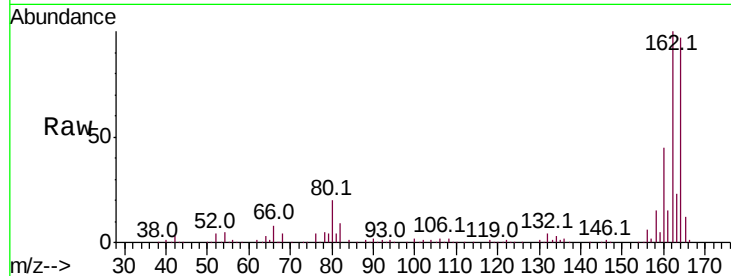




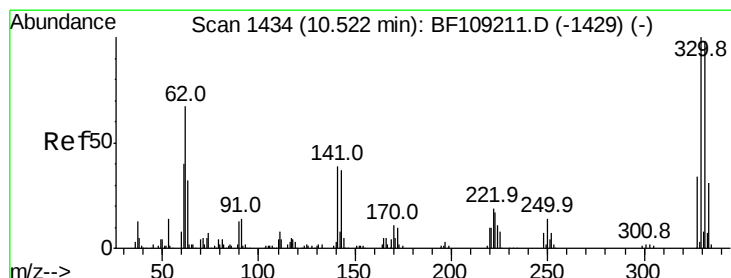
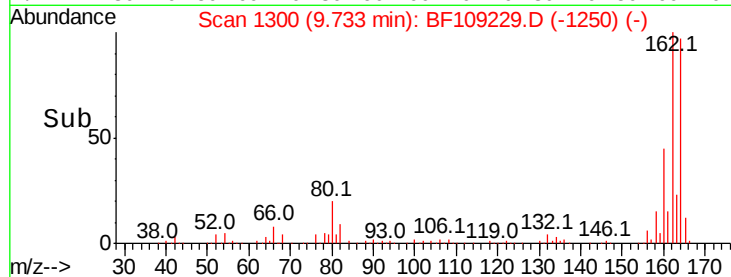
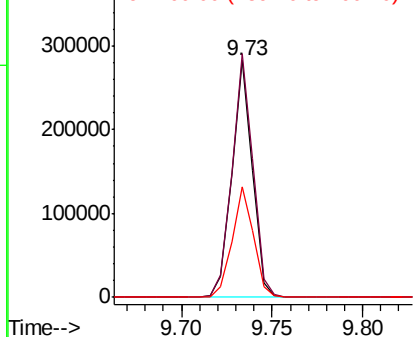
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF109229.D
 Acq: 22 Sep 2018 18:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 222210
 Ion Ratio Lower Upper
 164 100
 162 102.9 86.1 129.1
 160 46.5 38.3 57.5

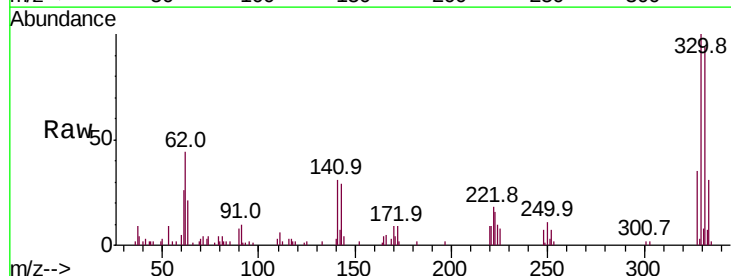


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

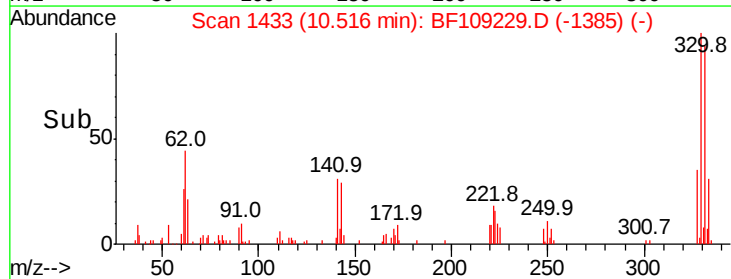
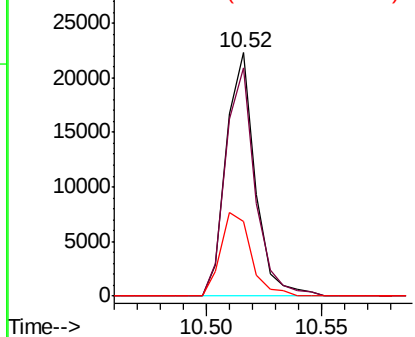


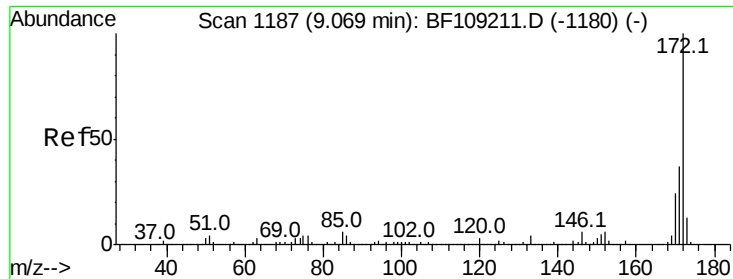
#41
 2,4,6-Tribromophenol
 Concen: 8.913 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109229.D
 Acq: 22 Sep 2018 18:47

Tgt Ion:330 Resp: 19524
 Ion Ratio Lower Upper
 330 100
 332 95.6 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

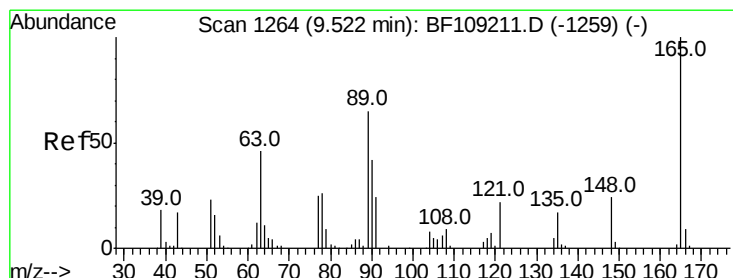
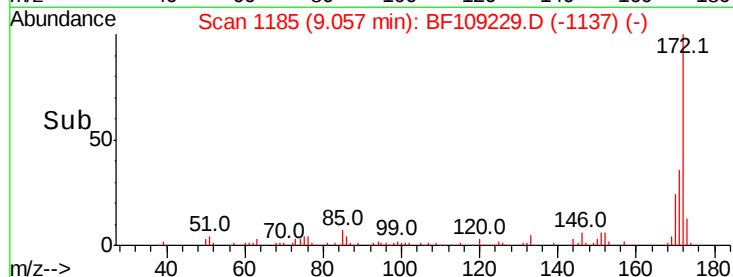
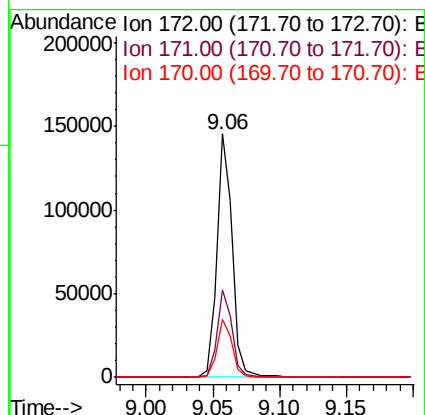
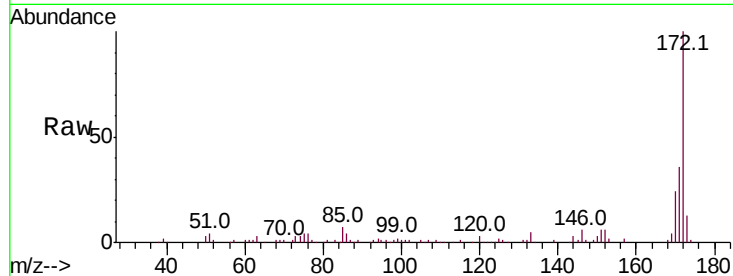




#44
 2-Fluorobiphenyl
 Concen: 8.018 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109229.D
 Acq: 22 Sep 2018 18:47

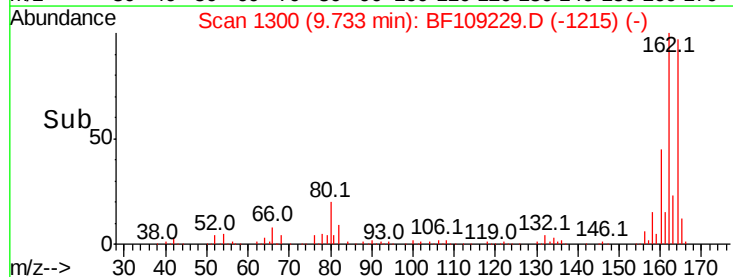
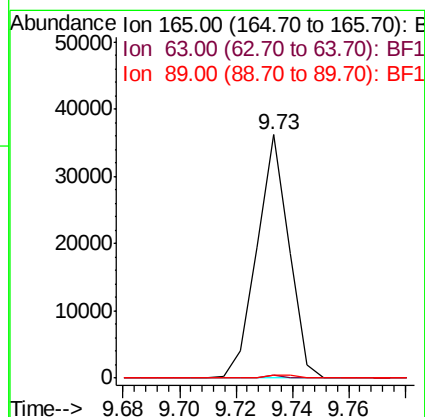
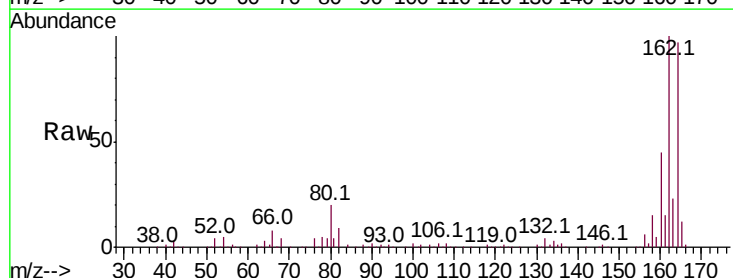
Instrument :
 BNA_F
 ClientSampleId :

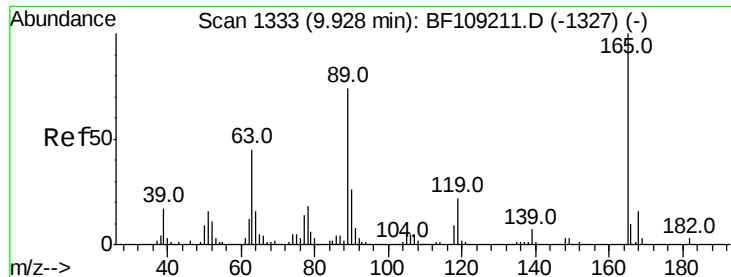
Tot Ion:172 Resp: 118139
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.8 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 8.889 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.20 min
 Lab File: BF109229.D
 Acq: 22 Sep 2018 18:47

Tgt Ion:165 Resp: 28453
 Ion Ratio Lower Upper
 165 100
 63 1.2 44.7 67.1#
 89 1.3 44.0 66.0#

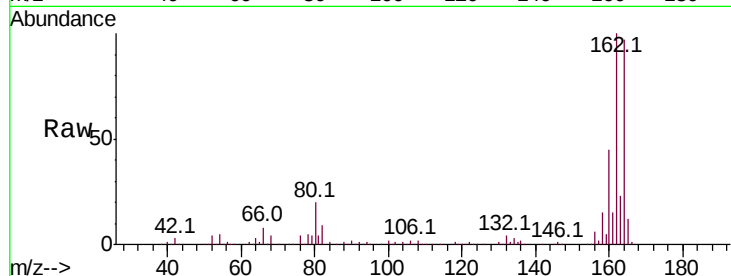




#56
2,4-Dinitrotoluene
Concen: 7.025 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109229.D
Acq: 22 Sep 2018 18:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



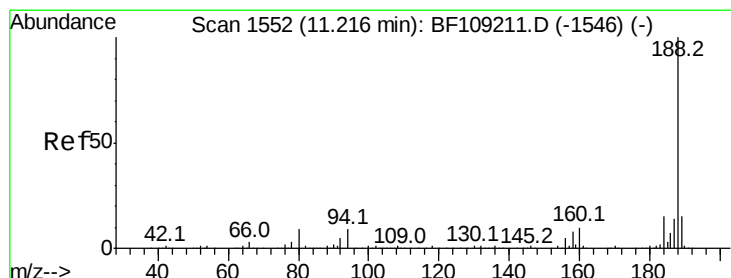
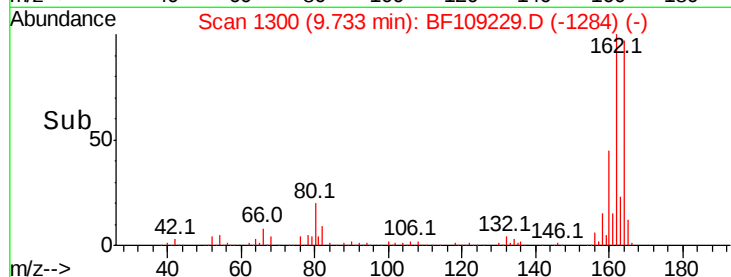
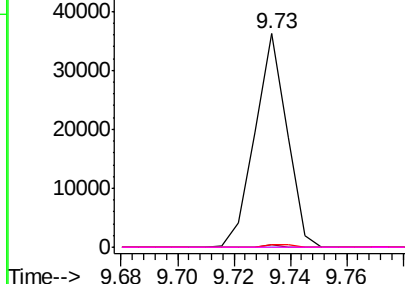
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

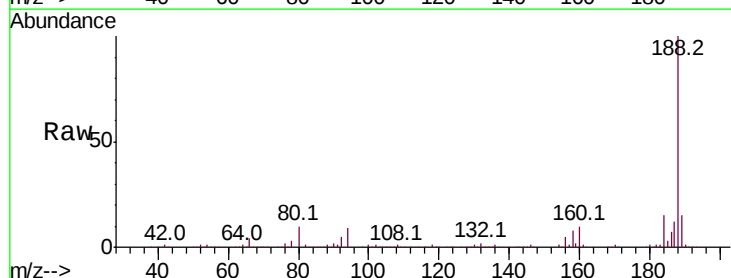
Ion 89.00 (88.70 to 89.70): BF1

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: BF109229.D
Acq: 22 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	9.6	9.2	13.8

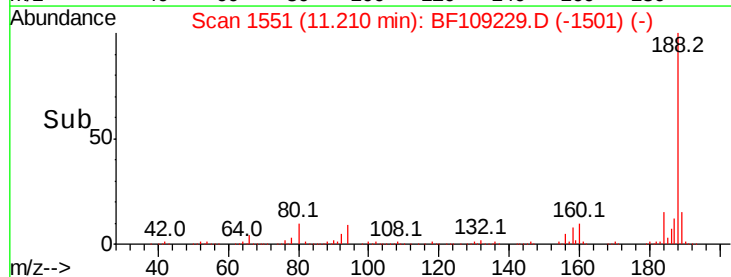
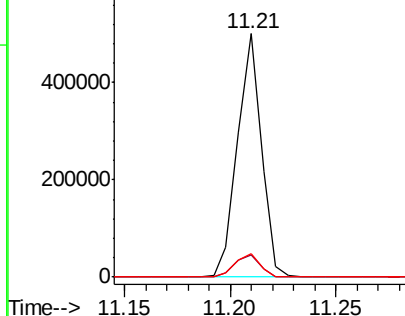


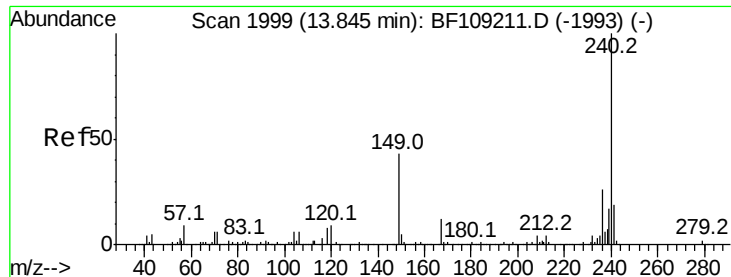
Abundance

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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF109229.D

Acq: 22 Sep 2018 18:47

Instrument :

BNA_F

ClientSampleId :

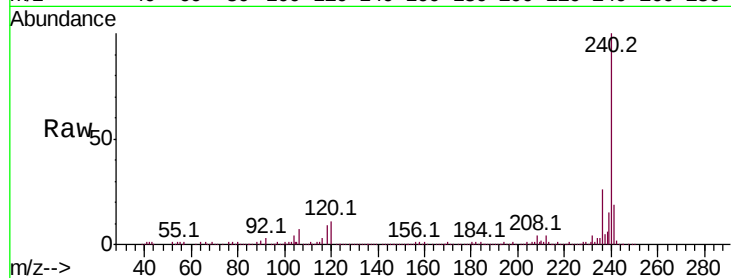
Tot Ion:240 Resp: 248905

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

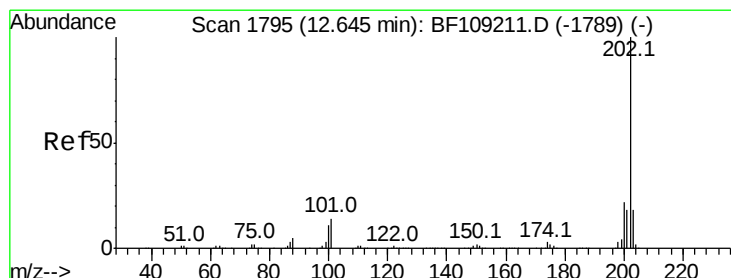
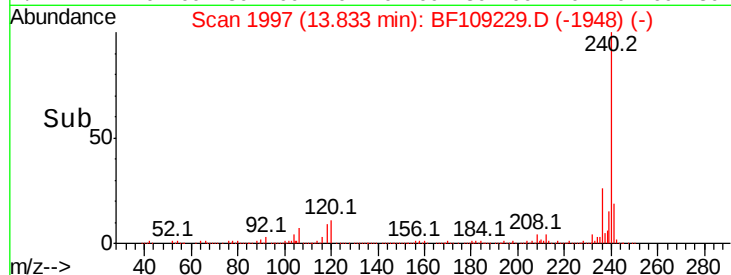
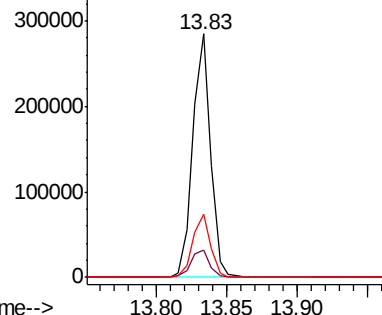
236 26.1 20.7 31.1



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

Pyrene

Concen: 2.896 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.02 min

Lab File: BF109229.D

Acq: 22 Sep 2018 18:47

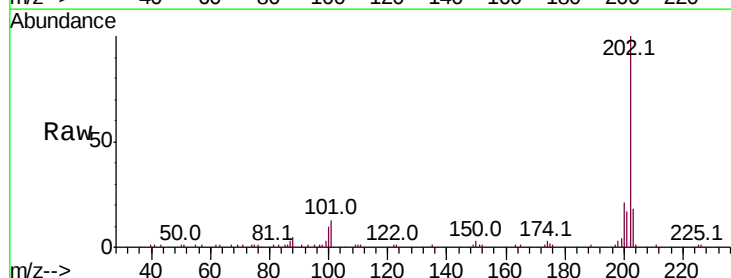
Tgt Ion:202 Resp: 51659

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

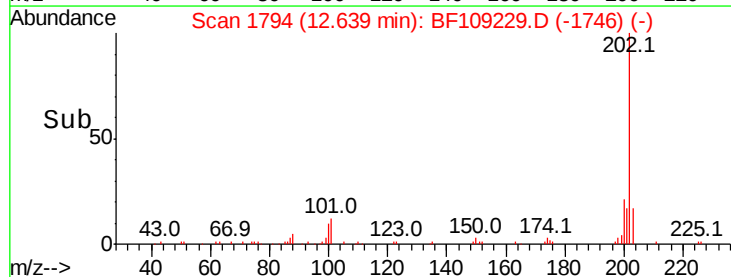
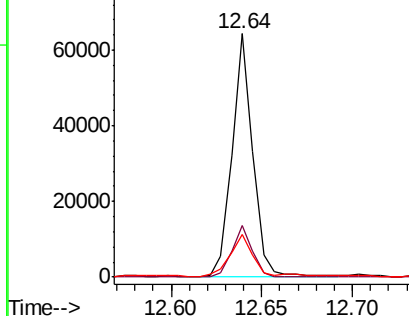
203 17.5 14.3 21.5

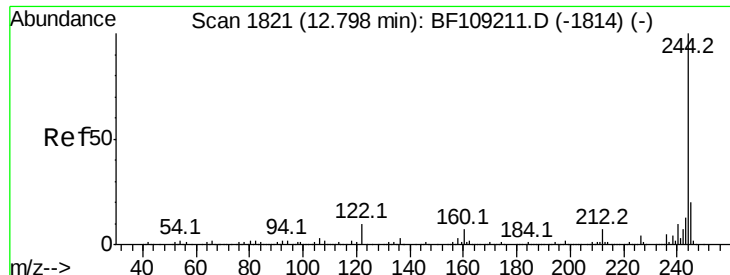


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.979 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BF109229.D

Acq: 22 Sep 2018 18:47

Instrument :

BNA_F

ClientSampleId :

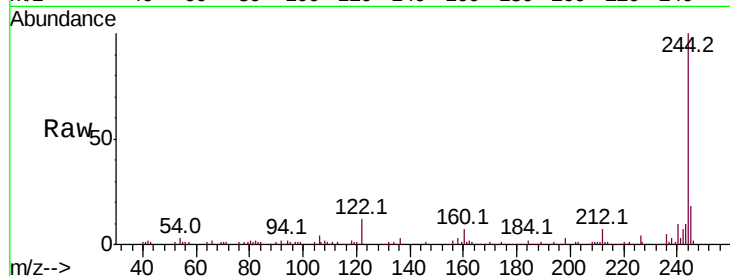
Tot Ion:244 Resp: 91067

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

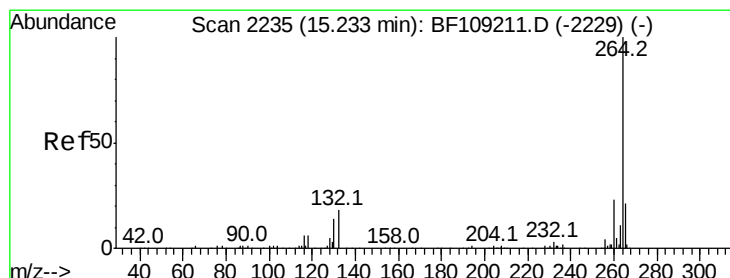
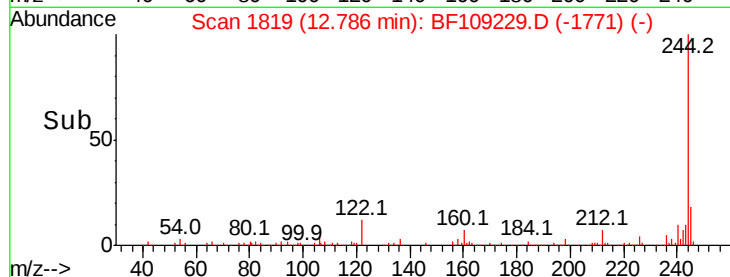
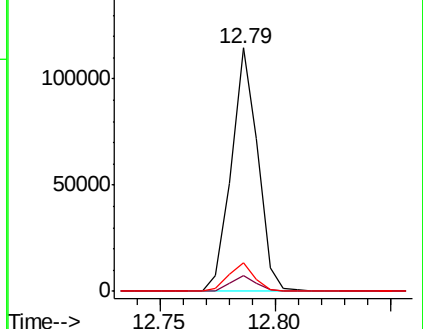
122 11.9 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF109229.D

Acq: 22 Sep 2018 18:47

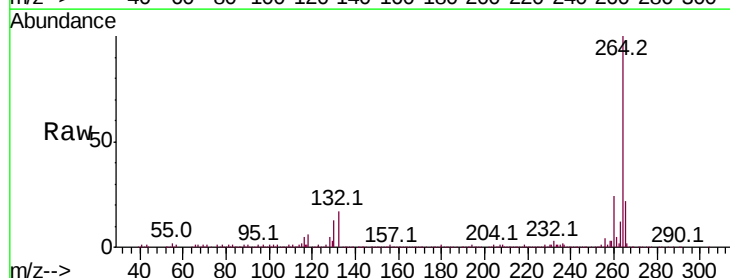
Tgt Ion:264 Resp: 262554

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 22.2 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

