

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
 Data File : BF109499.D
 Acq On : 2 Oct 2018 14:19
 Operator : JU/SJ
 Sample : J5155-03DL2 100X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 02 14:43:36 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

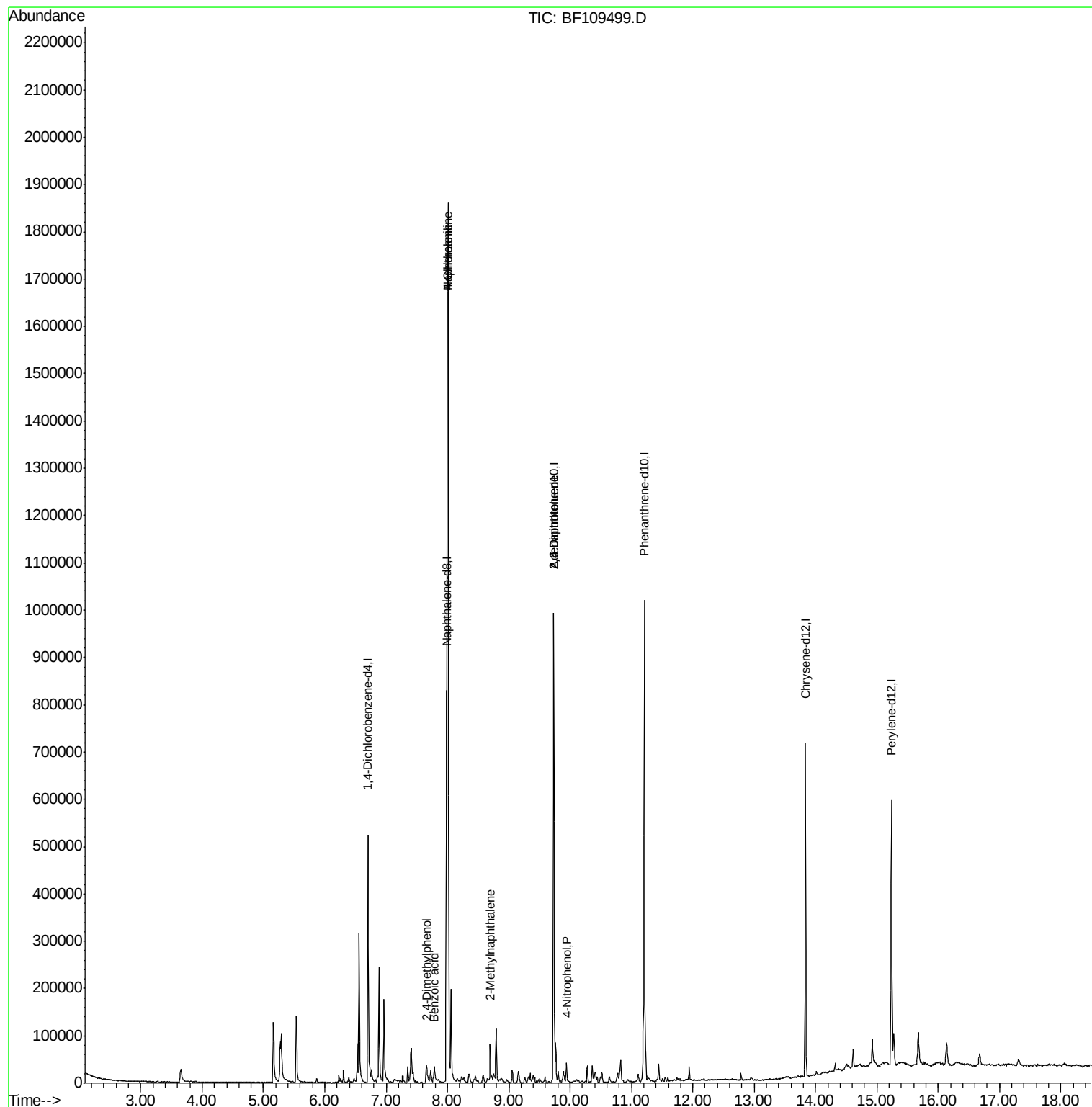
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	95820	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	386685	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	191441	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	362946	20.00	ng	0.00
75) Chrysene-d12	13.84	240	239106	20.00	ng	0.00
86) Perylene-d12	15.24	264	260954	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	681	0.12	ng	-0.04
7) Phenol-d6	6.37	99	1339	0.18	ng	0.02
23) Nitrobenzene-d5	7.27	82	4673	0.71	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	1441	0.76	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	10781	0.85	ng	-0.02
78) Terphenyl-d14	12.79	244	7541	0.77	ng	-0.01
Target Compounds						
27) 2,4-Dimethylphenol	7.65	122	14890	2.897	ng	98
31) Naphthalene	8.01	128	897112	49.647	ng	100
32) Benzoic acid	7.79	122	11365	9.590	ng	# 15
33) 4-Chloroaniline	8.01	127	118530	15.015	ng	# 35
37) 2-Methylnaphthalene	8.70	142	23986	2.059	ng	99
50) 2,6-Dinitrotoluene	9.73	165	24211	8.779	ng	# 25
55) 4-Nitrophenol	9.94	139	6731	2.798	ng	# 9
56) 2,4-Dinitrotoluene	9.73	165	24211	6.939	ng	# 23

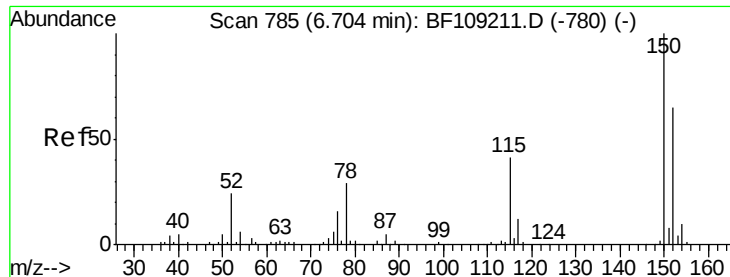
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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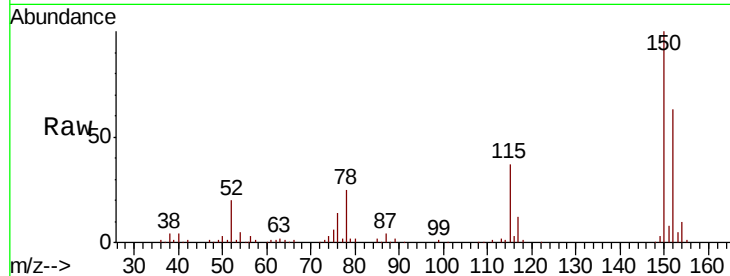


#1

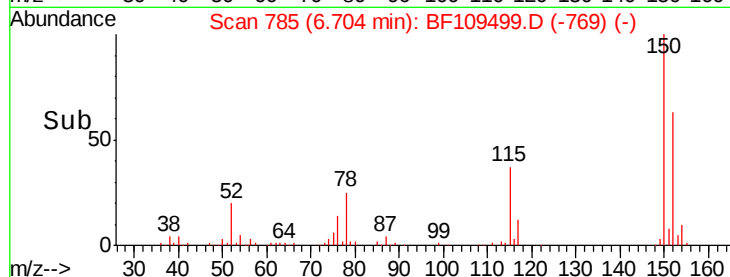
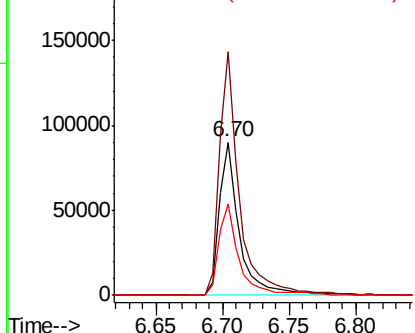
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109499.D
Acq: 2 Oct 2018 14:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 95820
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 59.3 50.1 75.1



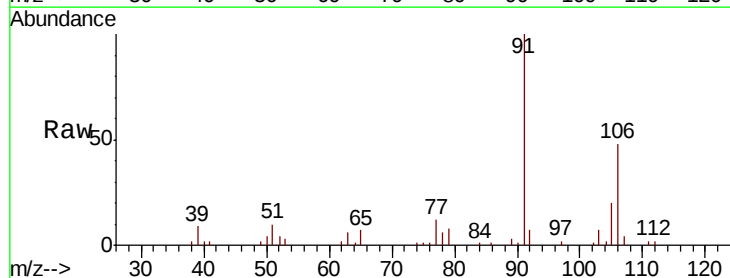
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



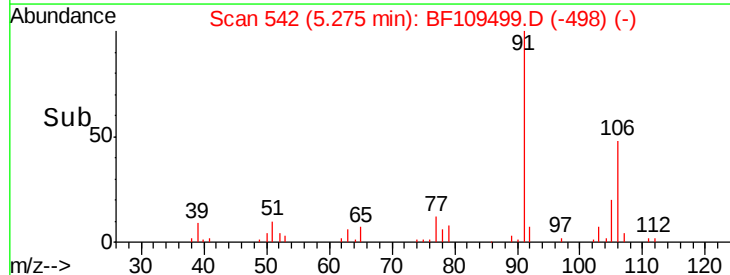
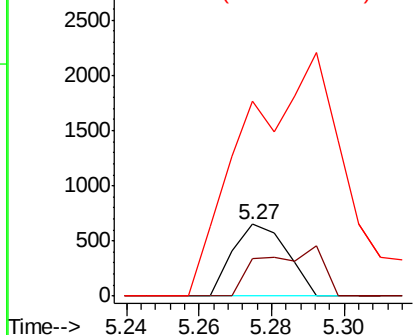
#5

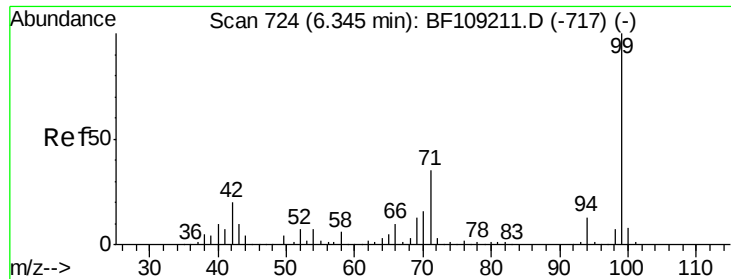
2-Fluorophenol
Concen: 0.117 ng
RT: 5.27 min Scan# 542
Delta R.T. -0.04 min
Lab File: BF109499.D
Acq: 2 Oct 2018 14:19

Tgt Ion:112 Resp: 681
Ion Ratio Lower Upper
112 100
64 52.8 47.9 71.9
63 270.3 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: 0.180 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.02 min

Lab File: BF109499.D

Acq: 2 Oct 2018 14:19

Instrument :

BNA_F

ClientSampled :

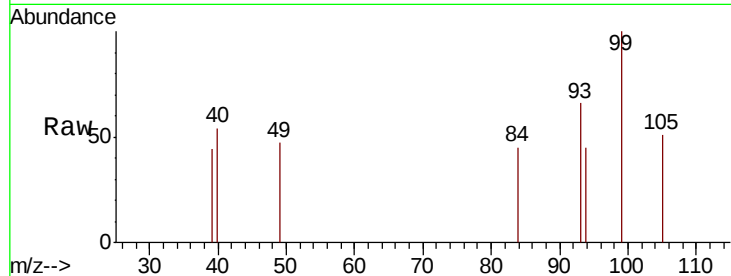
Tot Ion: 99 Resp: 1339

Ion Ratio Lower Upper

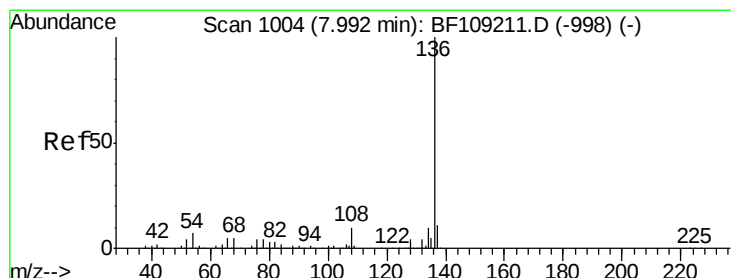
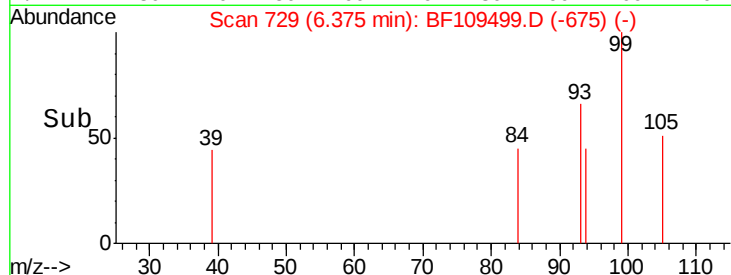
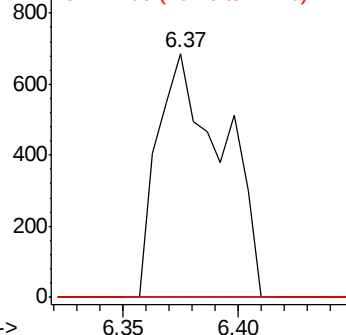
99 100

42 0.0 14.5 21.7#

71 0.0 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: BF109499.D

Acq: 2 Oct 2018 14:19

Tgt Ion: 136 Resp: 386685

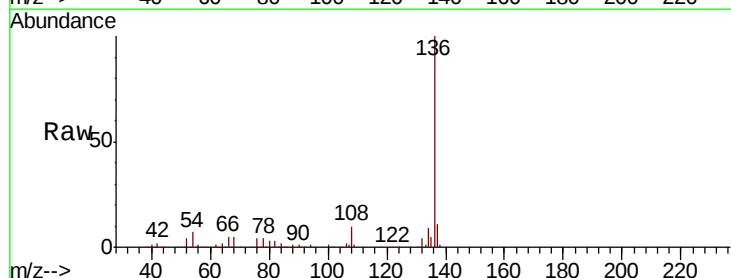
Ion Ratio Lower Upper

136 100

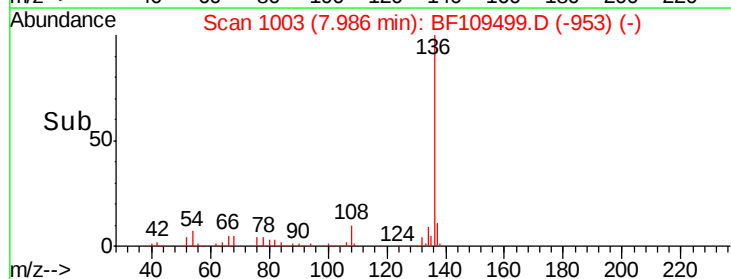
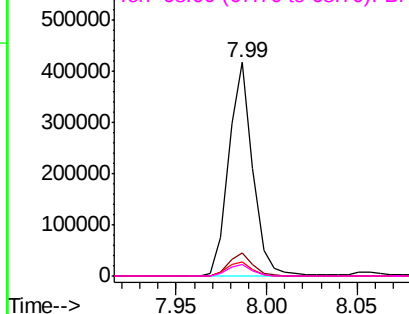
137 10.8 8.9 13.3

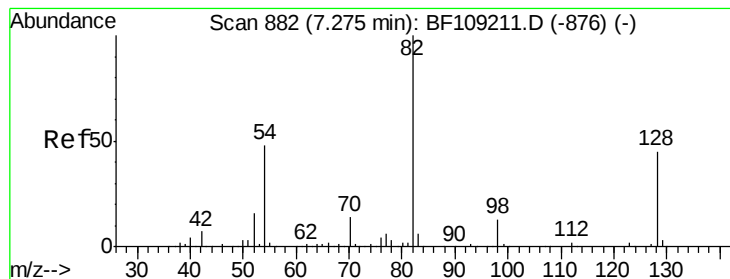
54 6.8 6.6 9.8

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: 0.713 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF109499.D

Acq: 2 Oct 2018 14:19

Instrument :

BNA_F

ClientSampleId :

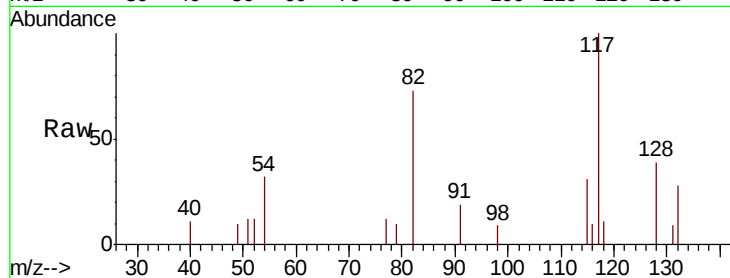
Tot Ion: 82 Resp: 4673

Ion Ratio Lower Upper

82 100

128 53.6 36.1 54.1

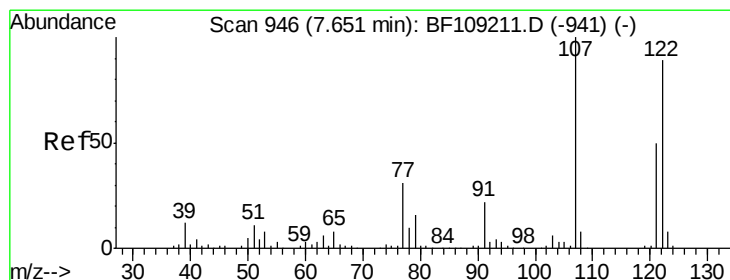
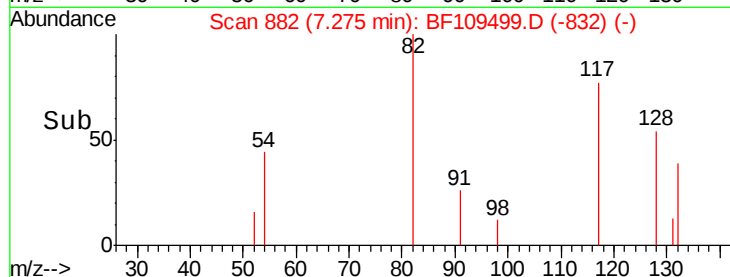
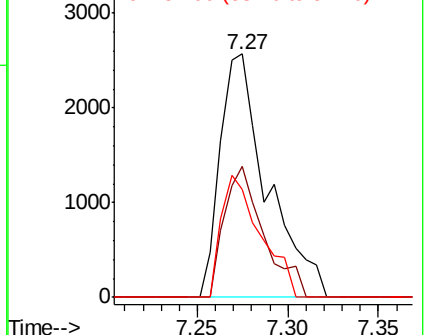
54 44.1 41.4 62.2



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



#27

2,4-Dimethylphenol

Concen: 2.897 ng

RT: 7.65 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF109499.D

Acq: 2 Oct 2018 14:19

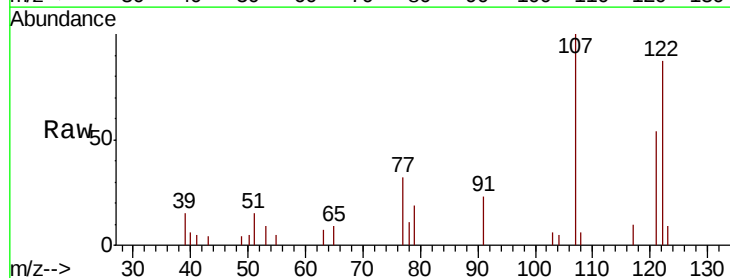
Tgt Ion: 122 Resp: 14890

Ion Ratio Lower Upper

122 100

107 114.7 91.2 136.8

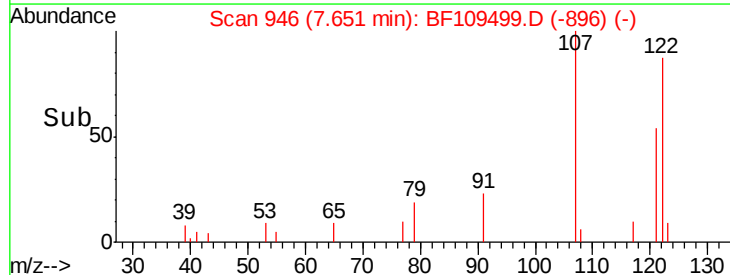
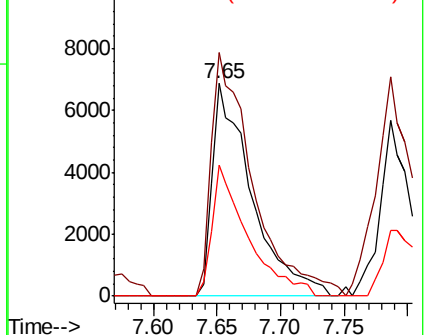
121 61.9 47.2 70.8

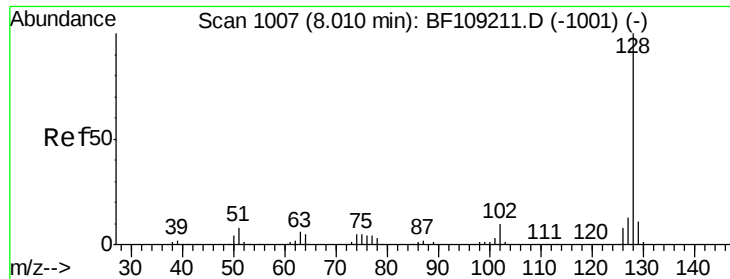


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

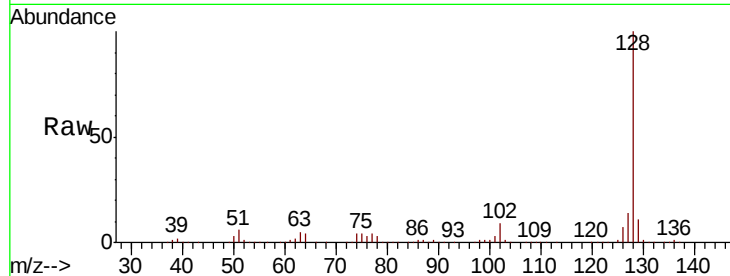




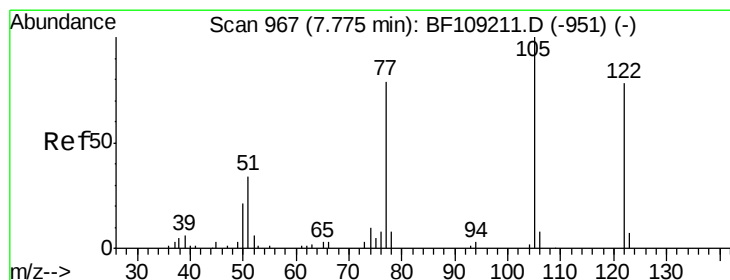
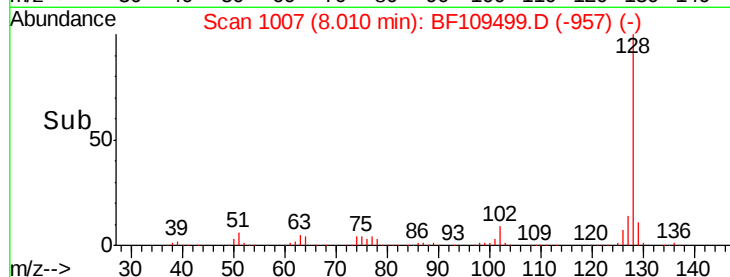
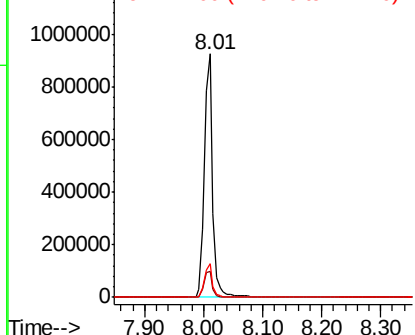
#31
Naphthalene
Concen: 49.647 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF109499.D
Acq: 2 Oct 2018 14:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 897112
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.6 10.9 16.3

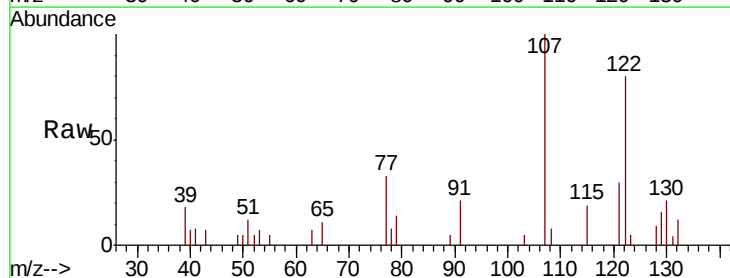


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

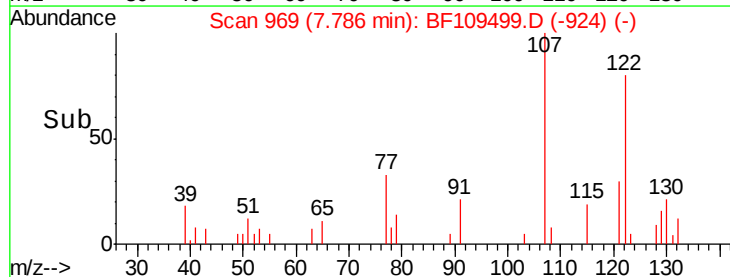
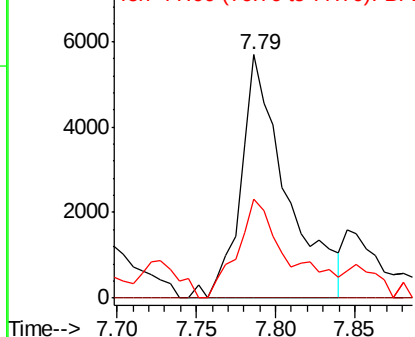


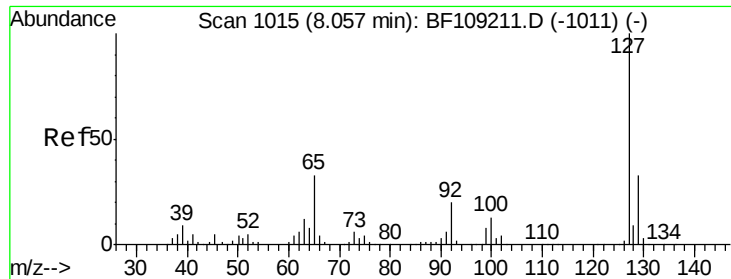
#32
Benzoic acid
Concen: 9.590 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.03 min
Lab File: BF109499.D
Acq: 2 Oct 2018 14:19

Tgt Ion:122 Resp: 11365
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 40.8 70.7 110.7#



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

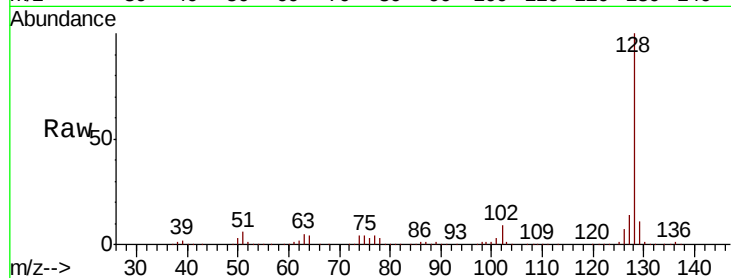




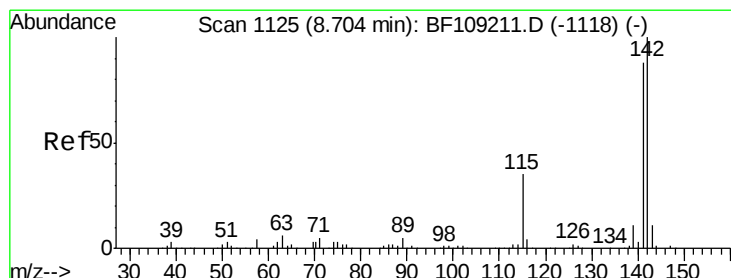
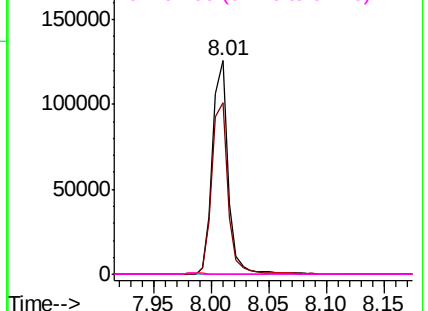
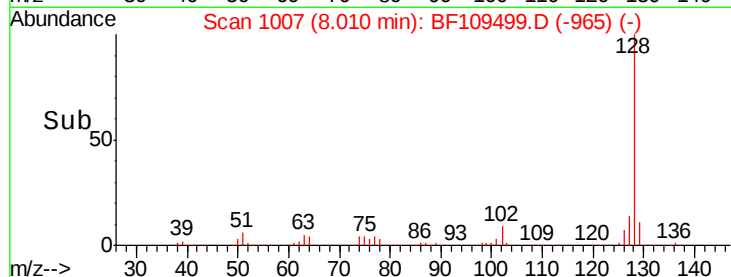
#33
4-Chloroaniline
Concen: 15.015 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.05 min
Lab File: BF109499.D
Acq: 2 Oct 2018 14:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:127	Resp:	118530
Ion Ratio	Lower	Upper
127	100	
129	80.2	25.9 38.9#
65	0.0	25.0 37.4#
92	0.0	15.2 22.8#

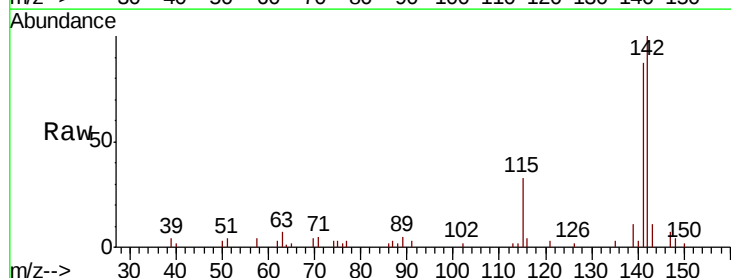


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

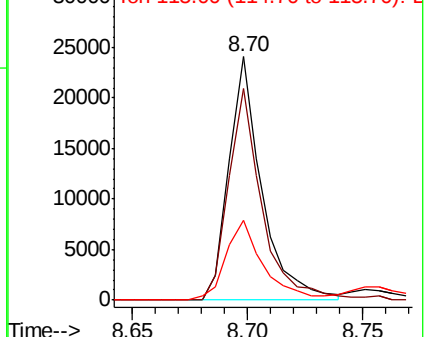
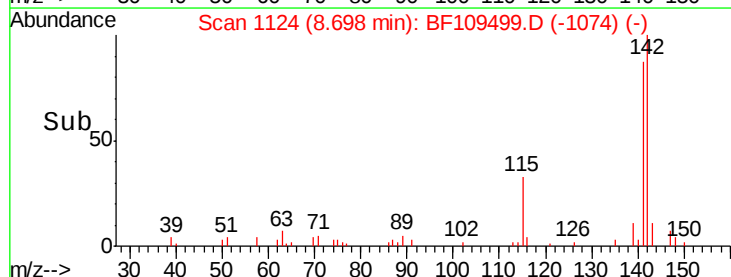


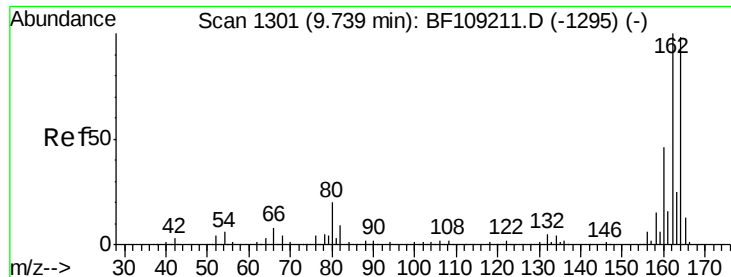
#37
2-Methylnaphthalene
Concen: 2.059 ng
RT: 8.70 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF109499.D
Acq: 2 Oct 2018 14:19

Tgt Ion:142	Resp:	23986
Ion Ratio	Lower	Upper
142	100	
141	86.9	70.8 106.2
115	32.7	26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109499.D

Acq: 2 Oct 2018 14:19

Instrument :

BNA_F

ClientSampleId :

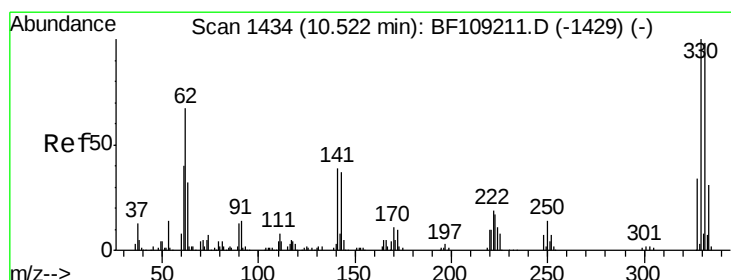
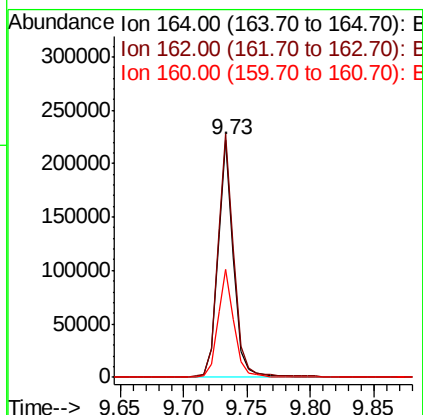
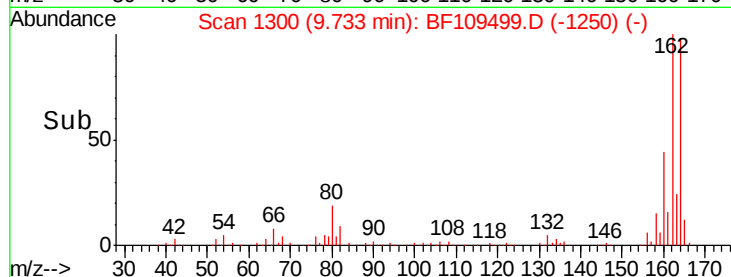
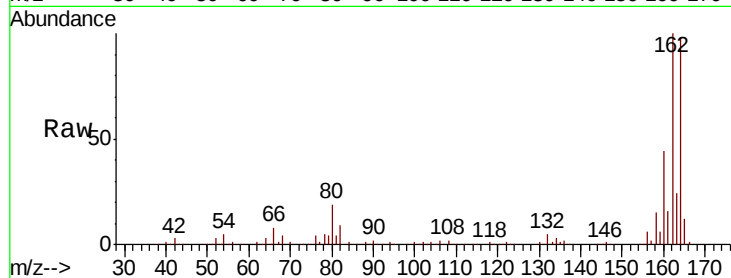
Tot Ion:164 Resp: 191441

Ion Ratio Lower Upper

164 100

162 102.4 86.1 129.1

160 45.4 38.3 57.5



#41

2,4,6-Tribromophenol

Concen: 0.764 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF109499.D

Acq: 2 Oct 2018 14:19

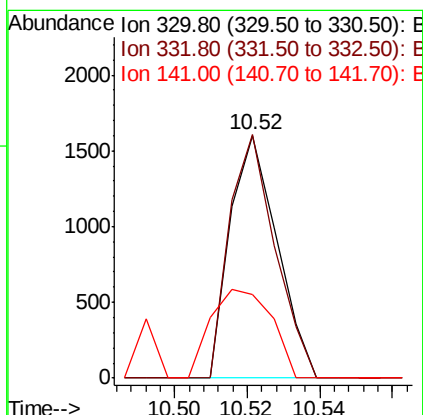
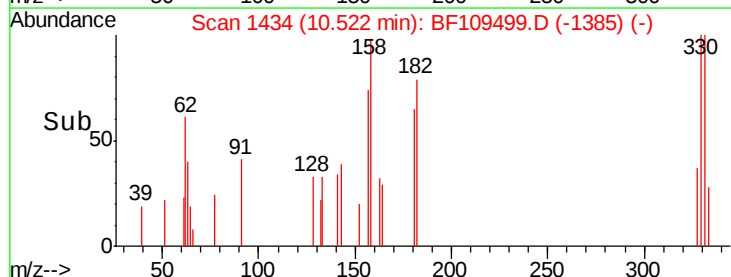
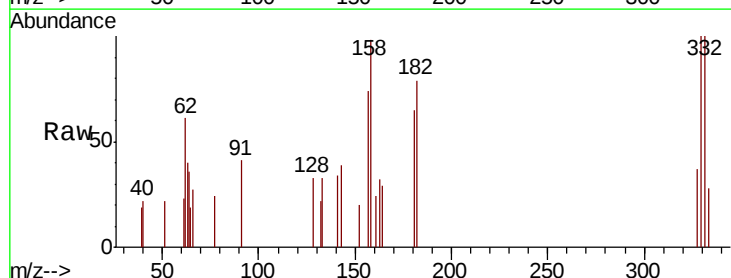
Tgt Ion:330 Resp: 1441

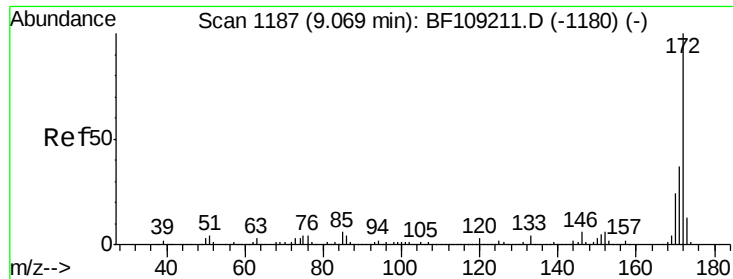
Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

141 47.1 29.9 44.9#

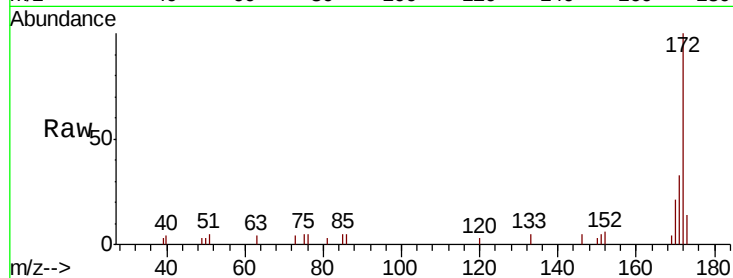




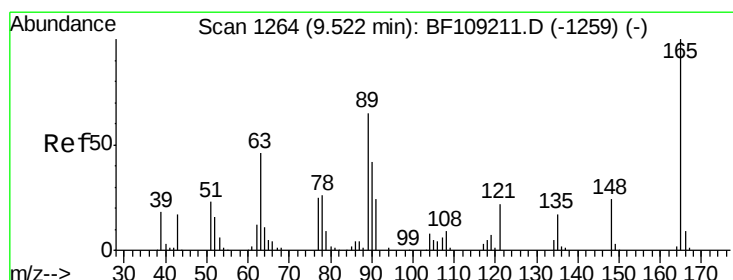
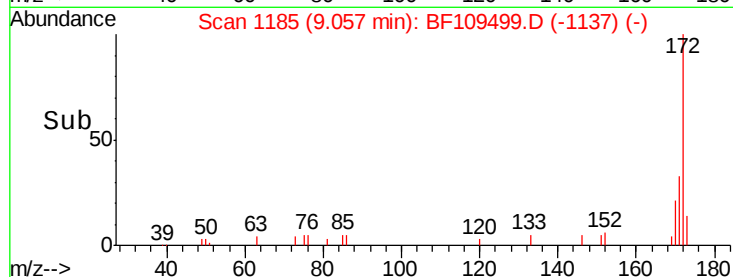
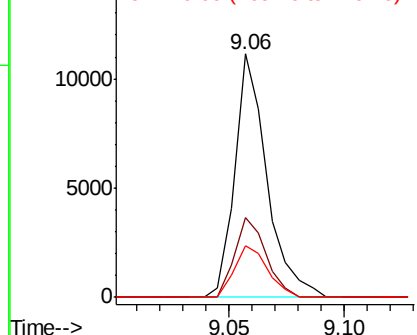
#44
 2-Fluorobiphenyl
 Concen: 0.849 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109499.D
 Acq: 2 Oct 2018 14:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.0	29.7	44.5
170	21.2	19.6	29.4

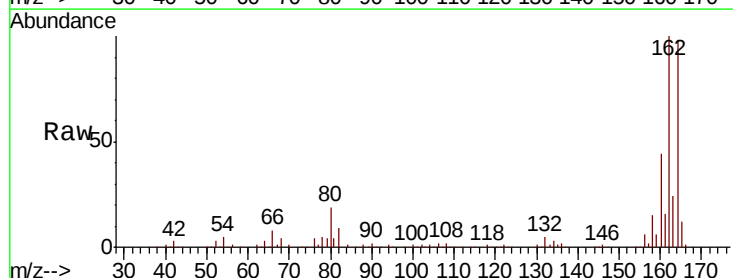


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

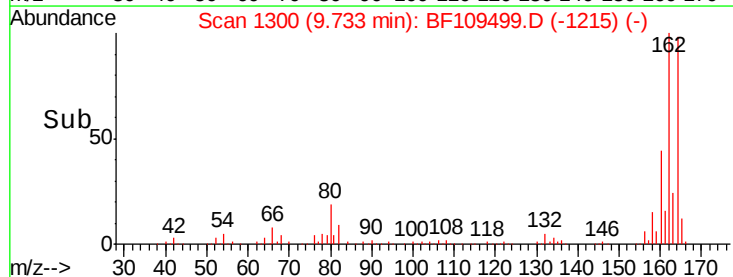
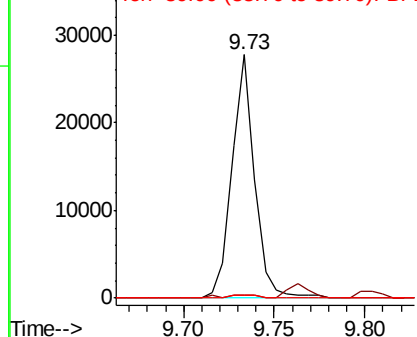


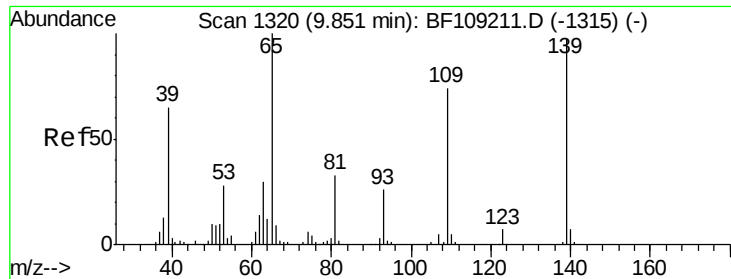
#50
 2,6-Dinitrotoluene
 Concen: 8.779 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.20 min
 Lab File: BF109499.D
 Acq: 2 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.4	44.0	66.0#



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

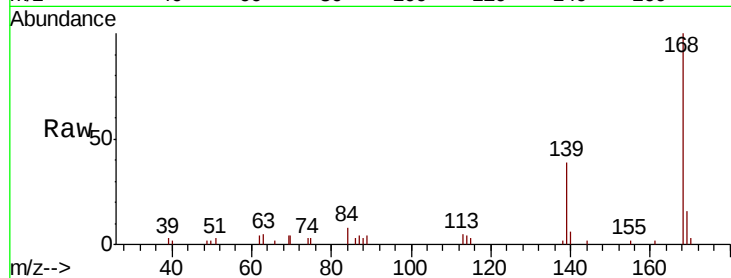




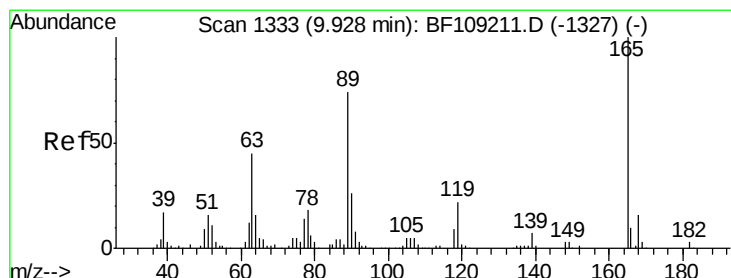
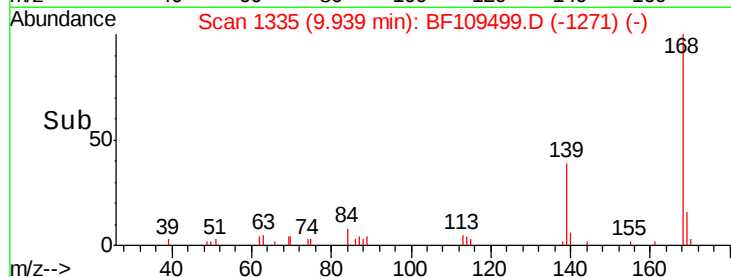
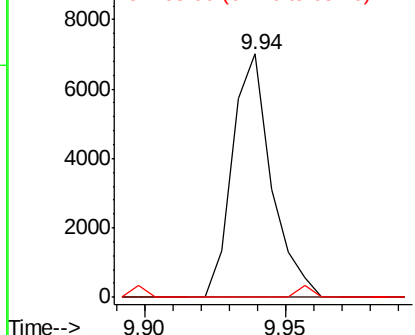
#55
4-Nitrophenol
Concen: 2.798 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.08 min
Lab File: BF109499.D
Acq: 2 Oct 2018 14:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 6731
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

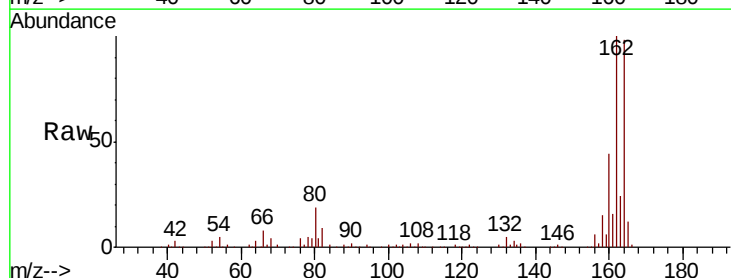


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

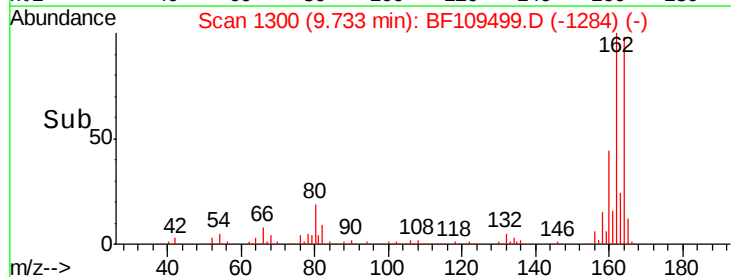
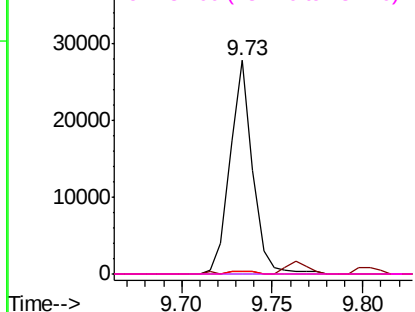


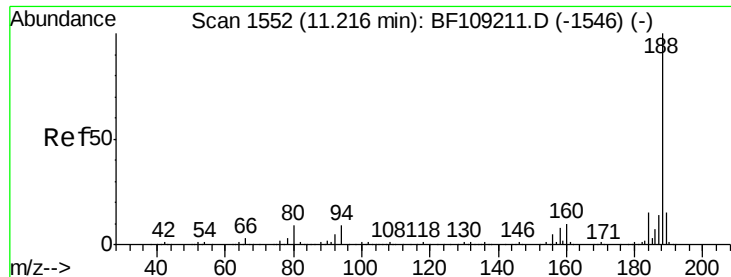
#56
2,4-Dinitrotoluene
Concen: 6.939 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109499.D
Acq: 2 Oct 2018 14:19

Tgt Ion:165 Resp: 24211
Ion Ratio Lower Upper
165 100
63 1.3 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): BF1

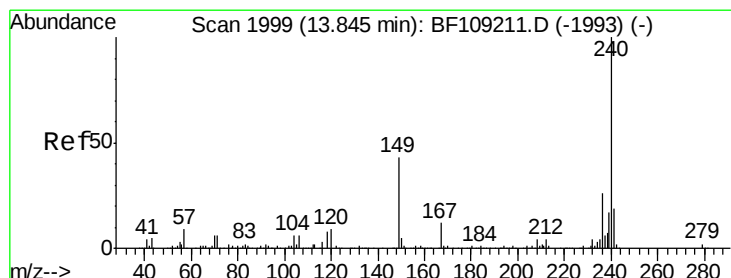
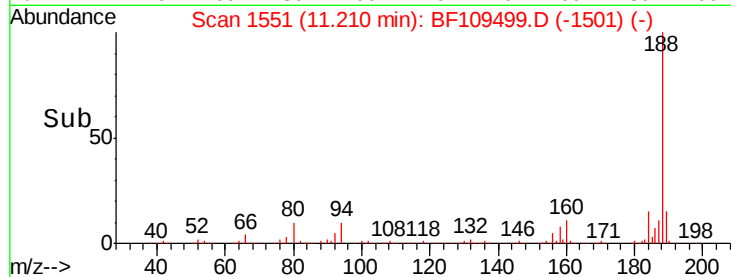
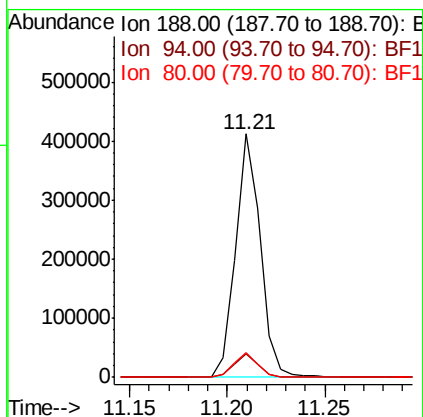
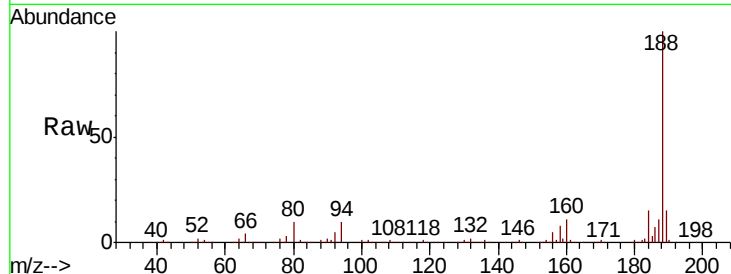




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109499.D
Acq: 2 Oct 2018 14:19

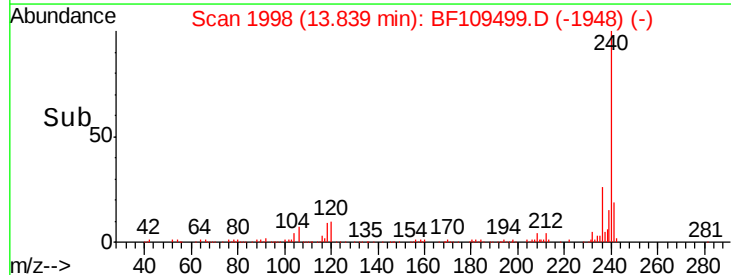
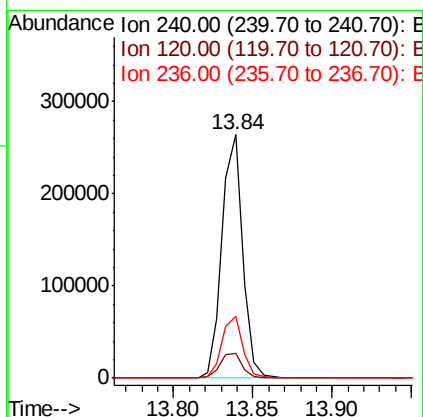
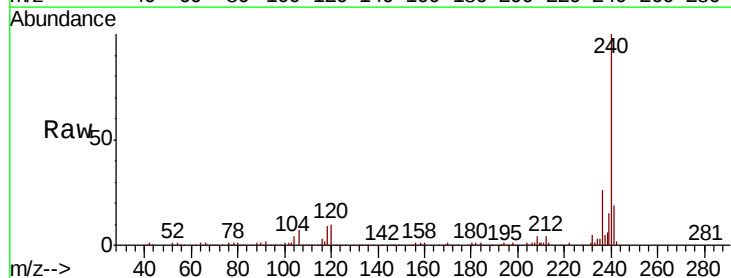
Instrument :
BNA_F
ClientSampled :

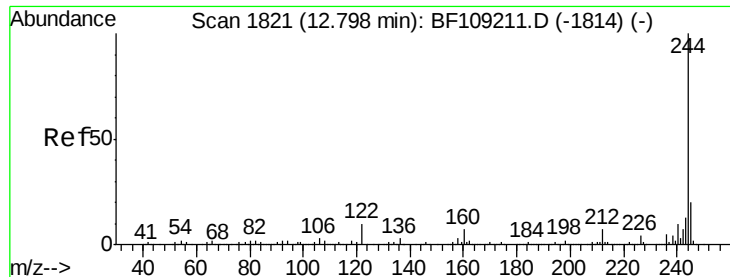
Tot Ion:188 Resp: 362946
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 10.0 9.2 13.8



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF109499.D
Acq: 2 Oct 2018 14:19

Tgt Ion:240 Resp: 239106
Ion Ratio Lower Upper
240 100
120 10.0 9.5 14.3
236 25.6 20.7 31.1

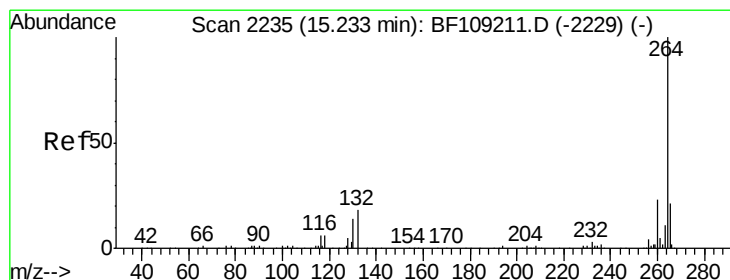
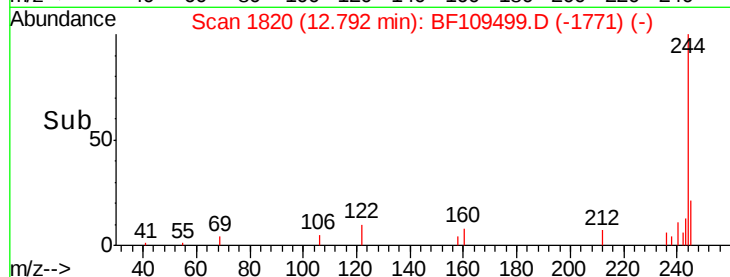
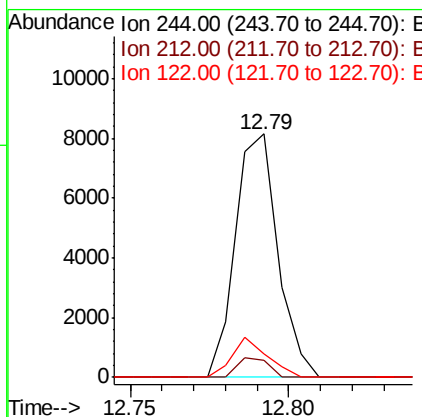
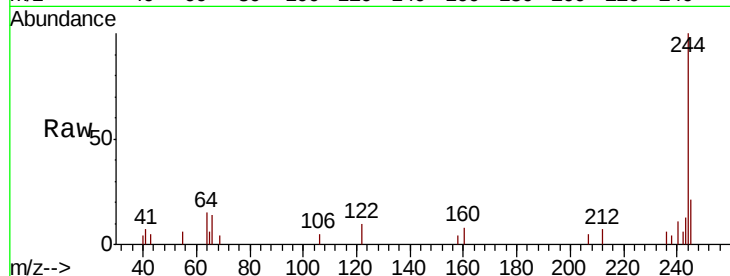




#78
 Terphenyl-d14
 Concen: 0.774 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109499.D
 Acq: 2 Oct 2018 14:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 7541
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 9.7 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.00 min
 Lab File: BF109499.D
 Acq: 2 Oct 2018 14:19

Tgt Ion:264 Resp: 260954
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.6 17.5 26.3

