

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
 Data File : BF109533.D
 Acq On : 3 Oct 2018 6:15
 Operator : JU/SJ
 Sample : J5187-12
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 09:11:56 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

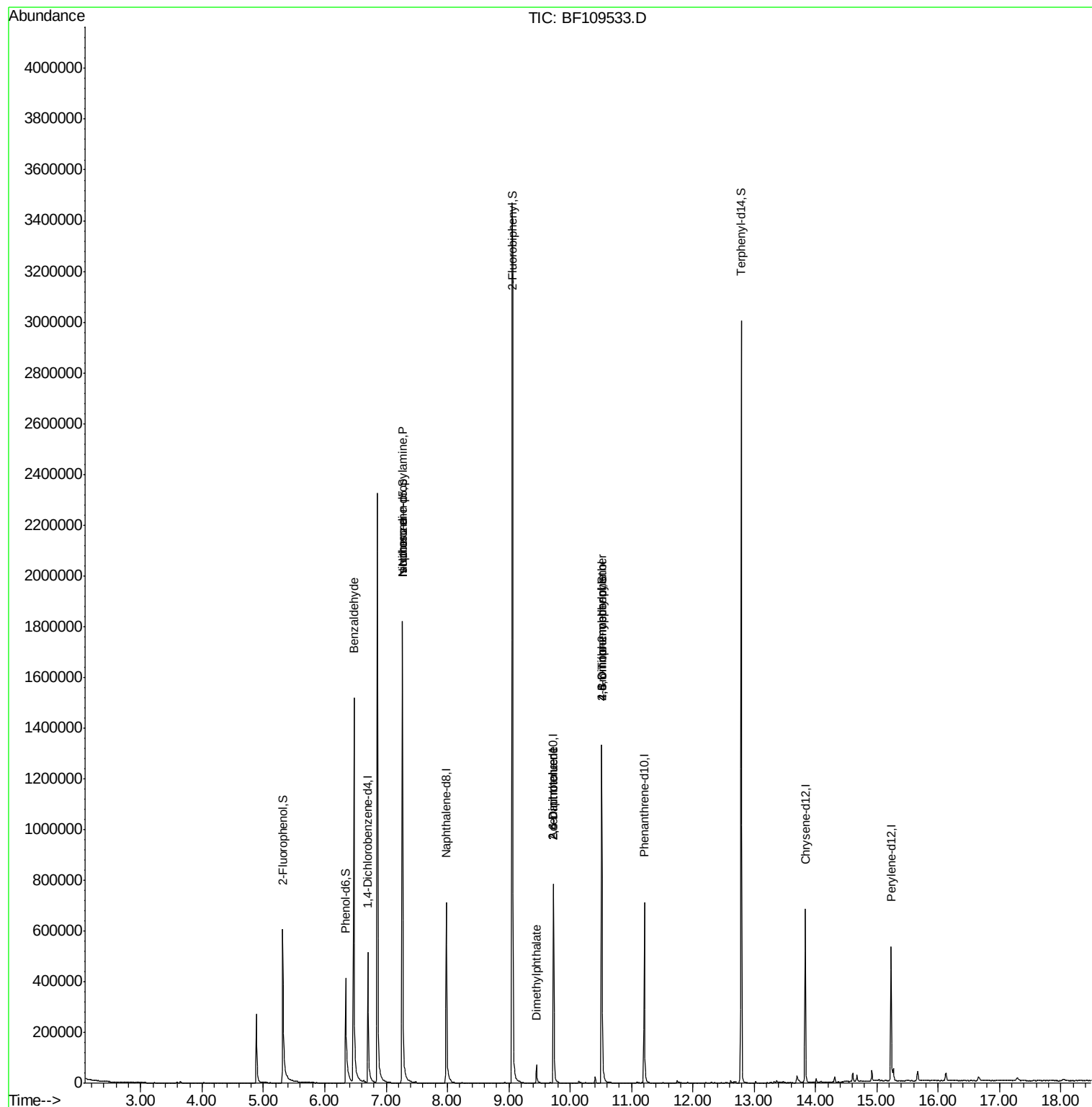
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	105957	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	402533	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	182730	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	312585	20.00	ng	0.00
75) Chrysene-d12	13.83	240	240604	20.00	ng	-0.01
86) Perylene-d12	15.23	264	257103	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	267858	41.64	ng	0.00
7) Phenol-d6	6.34	99	209561	25.53	ng	-0.02
23) Nitrobenzene-d5	7.27	82	746018	109.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	178222	98.94	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	1286022	106.14	ng	-0.02
78) Terphenyl-d14	12.79	244	1079732	110.13	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.47	77	11591	2.198	ng	# 73
19) n-Nitroso-di-n-propylamine	7.27	70	100082	18.607	ng	# 77
25) Isophorone	7.27	82	735218	59.875	ng	# 64
49) Dimethylphthalate	9.45	163	40432	3.042	ng	# 98
50) 2,6-Dinitrotoluene	9.73	165	22126	8.406	ng	# 25
56) 2,4-Dinitrotoluene	9.73	165	22126	6.643	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.52	198	261	6.700	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	10824	3.118	ng	# 1

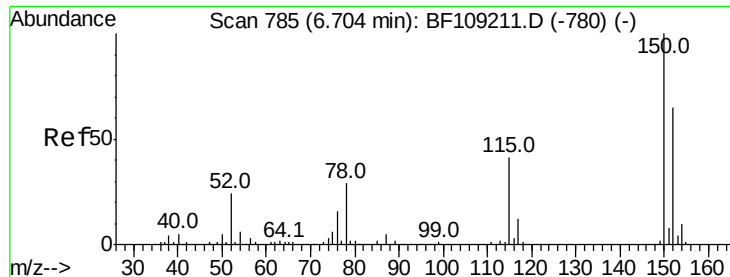
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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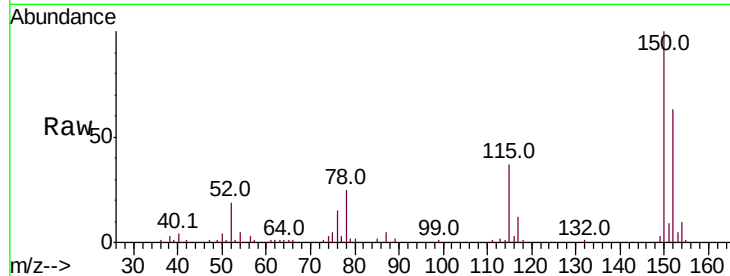


#1

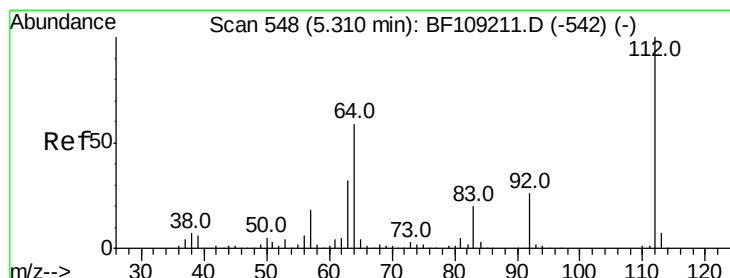
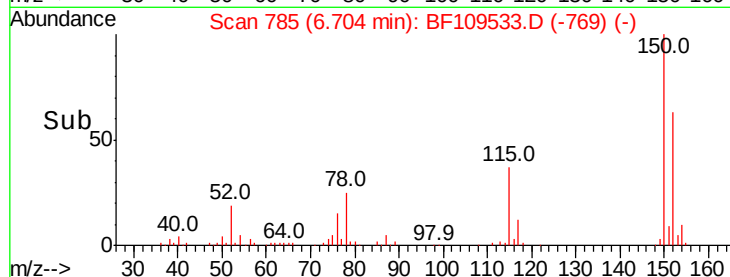
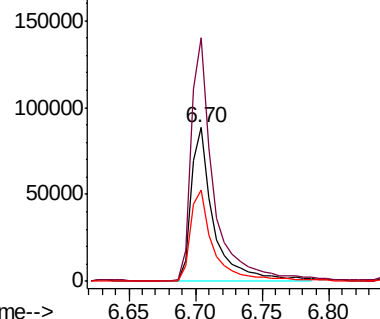
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109533.D
 Acq: 3 Oct 2018 6:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.6	186.8
115	59.2	50.1	75.1



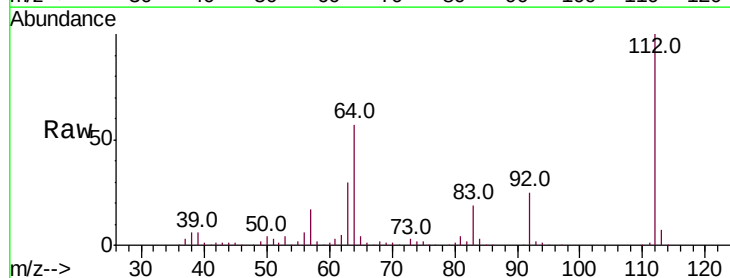
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



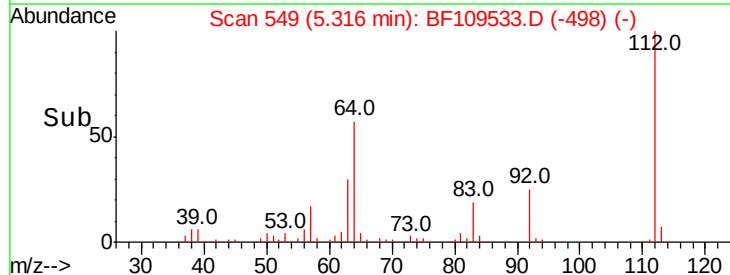
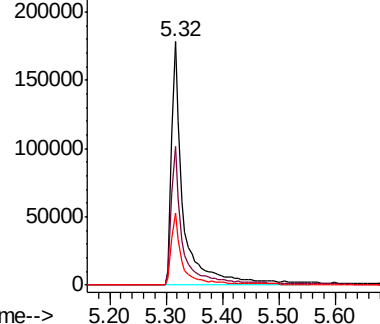
#5

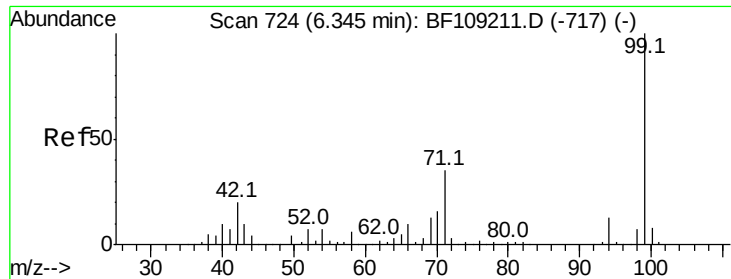
2-Fluorophenol
 Concen: 41.638 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: BF109533.D
 Acq: 3 Oct 2018 6:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.9	71.9
63	29.7	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: 25.529 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109533.D

Acq: 3 Oct 2018 6:15

Instrument :

BNA_F

ClientSampleId :

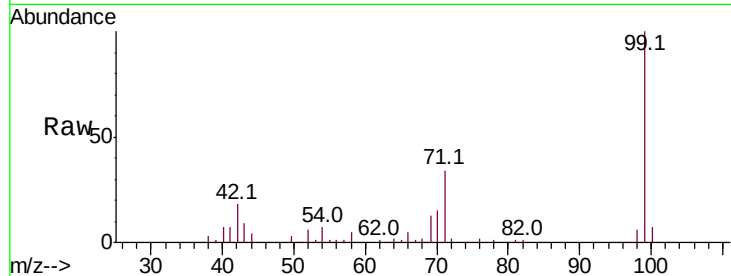
Tot Ion: 99 Resp: 209561

Ion Ratio Lower Upper

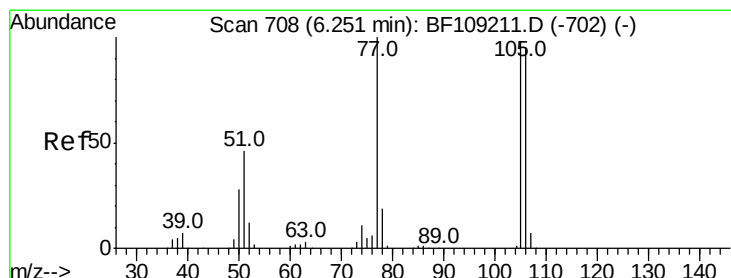
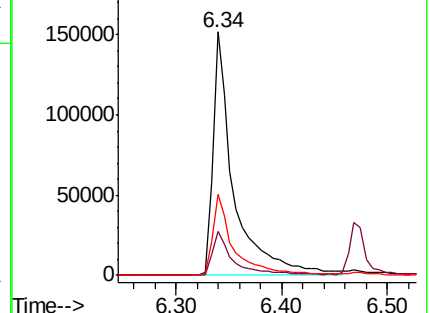
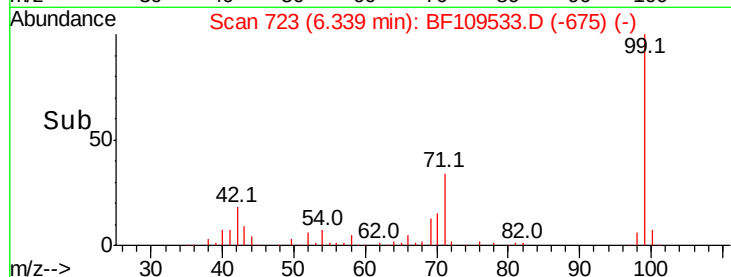
99 100

42 18.0 14.5 21.7

71 33.5 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



#9

Benzaldehyde

Concen: 2.198 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.22 min

Lab File: BF109533.D

Acq: 3 Oct 2018 6:15

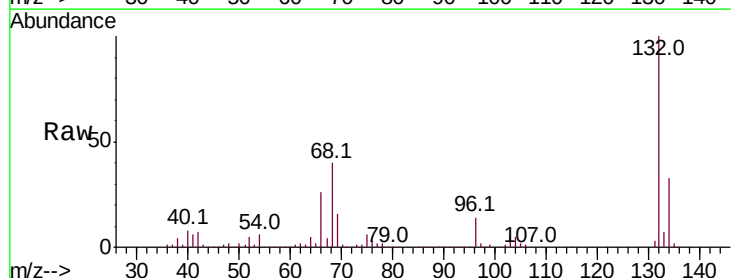
Tgt Ion: 77 Resp: 11591

Ion Ratio Lower Upper

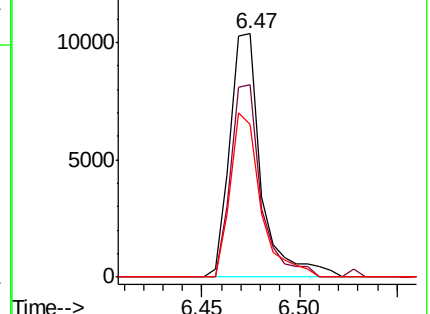
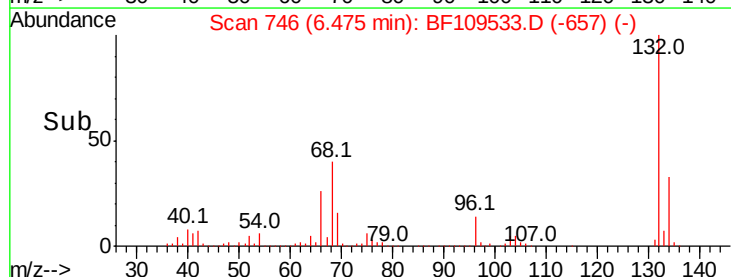
77 100

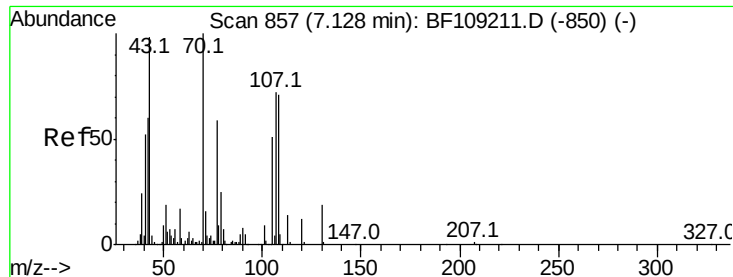
105 79.3 81.1 121.1#

106 63.0 74.5 114.5#



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

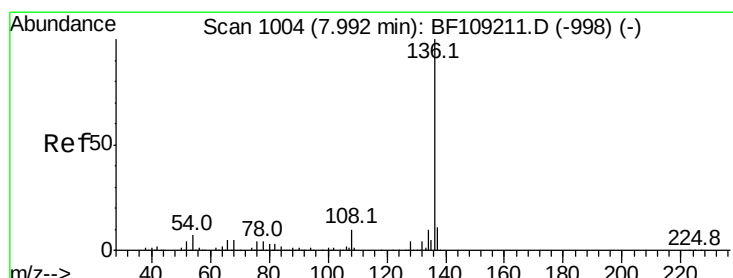
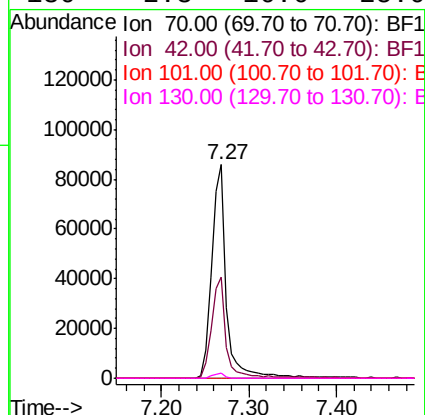
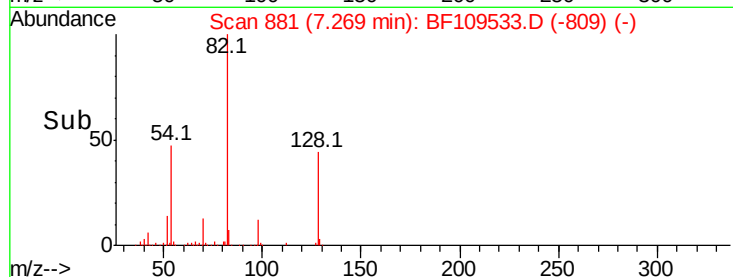
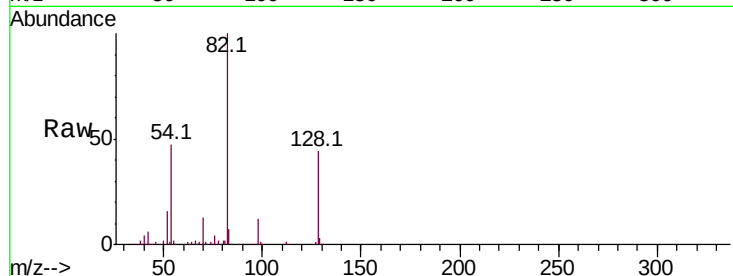




#19
n-Nitroso-di-n-propylamine
Concen: 18.607 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109533.D
Acq: 3 Oct 2018 6:15

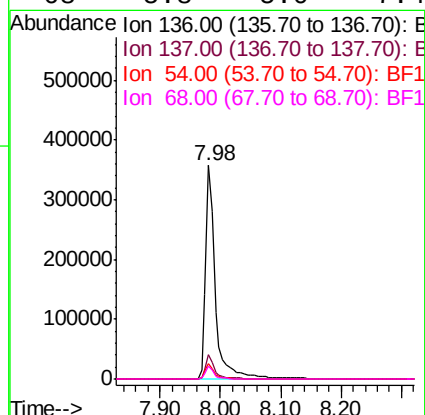
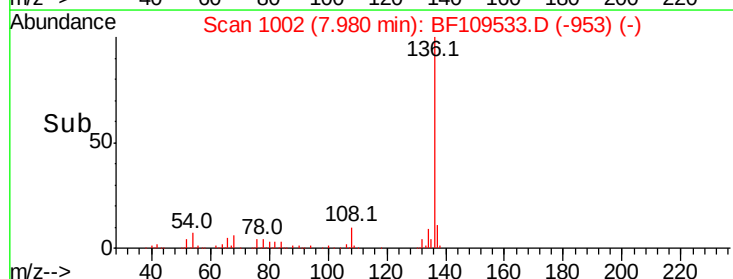
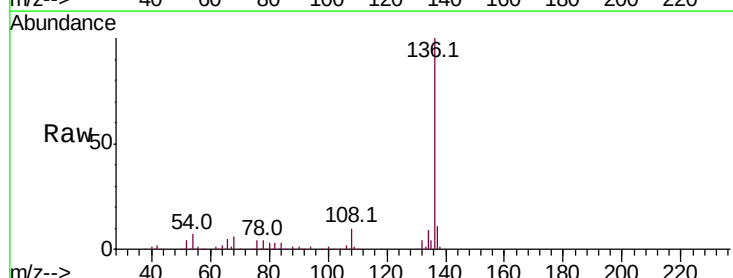
Instrument :
BNA_F
ClientSampleId :

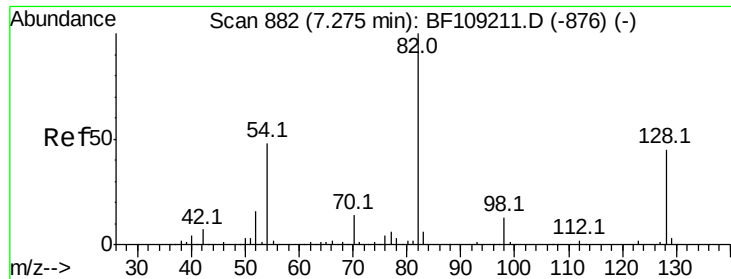
Tot Ion: 70 Resp: 100082
Ion Ratio Lower Upper
70 100
42 47.3 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF109533.D
Acq: 3 Oct 2018 6:15

Tgt Ion: 136 Resp: 402533
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.3 6.6 9.8
68 5.8 5.0 7.4

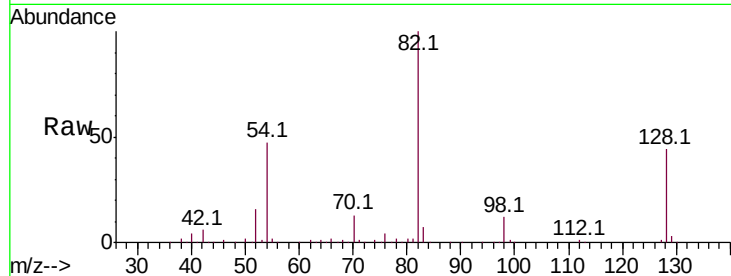




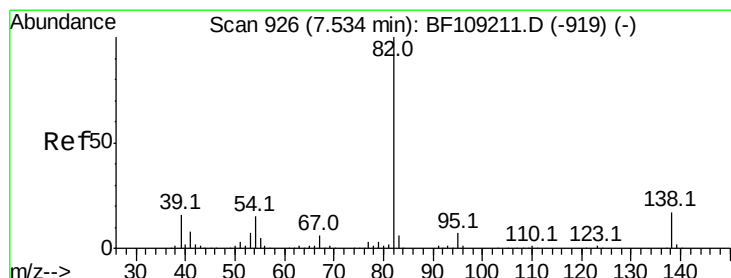
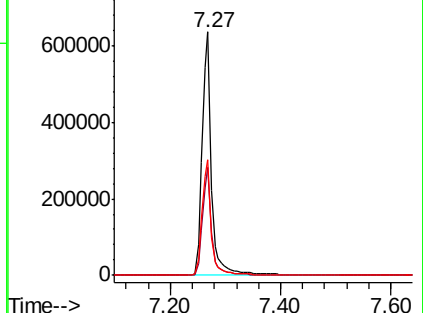
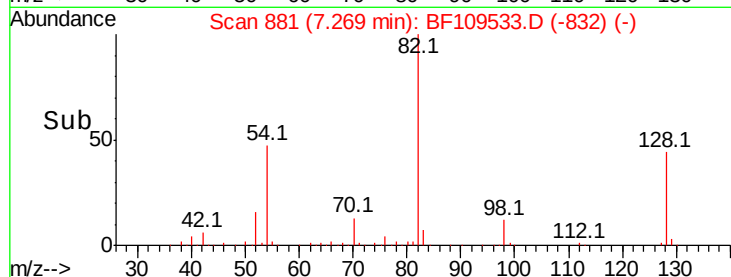
#23
 Nitrobenzene-d5
 Concen: 109.404 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF109533.D
 Acq: 3 Oct 2018 6:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	746018
Ion Ratio	Lower	Upper	
82	100		
128	44.4	36.1	54.1
54	47.5	41.4	62.2

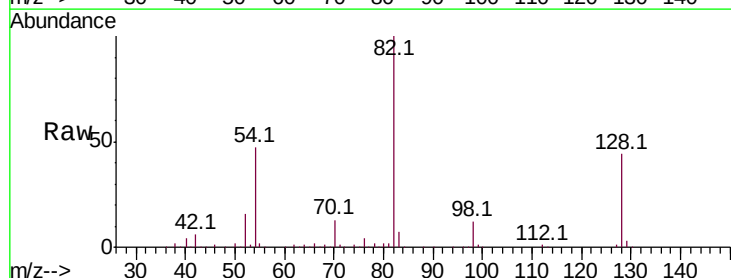


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

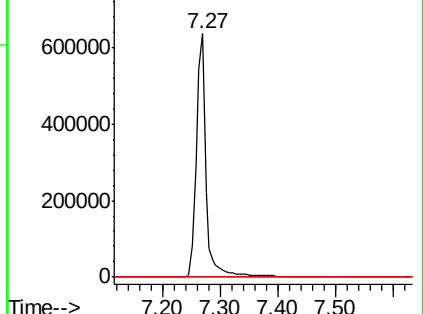
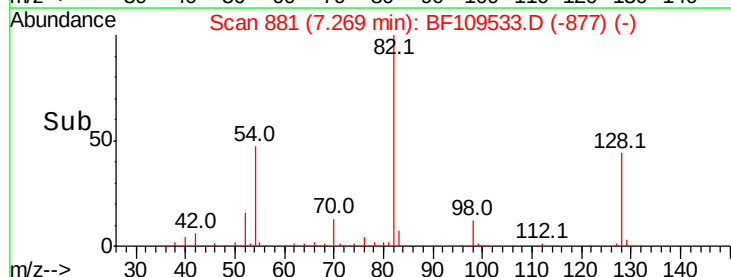


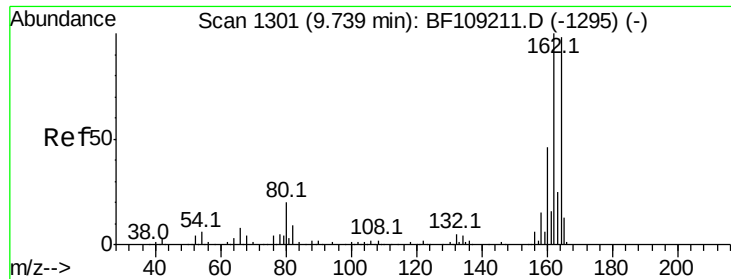
#25
 Isophorone
 Concen: 59.875 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.28 min
 Lab File: BF109533.D
 Acq: 3 Oct 2018 6:15

Tgt Ion	82	Resp	735218
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

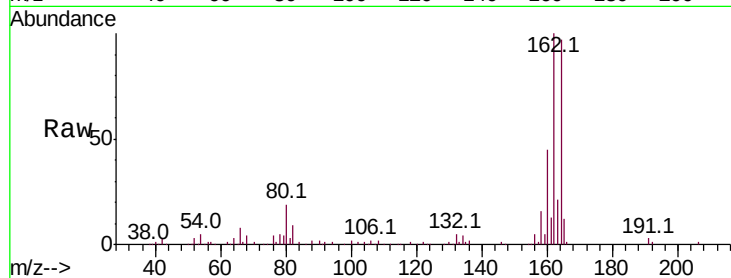




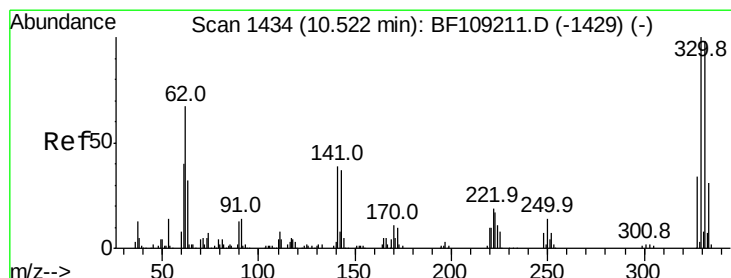
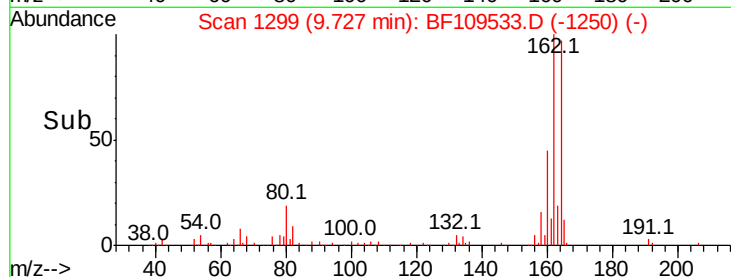
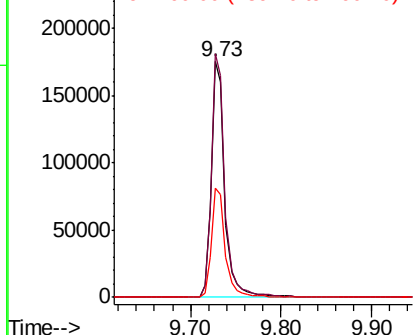
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF109533.D
 Acq: 3 Oct 2018 6:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 182730
 Ion Ratio Lower Upper
 164 100
 162 103.4 86.1 129.1
 160 46.1 38.3 57.5

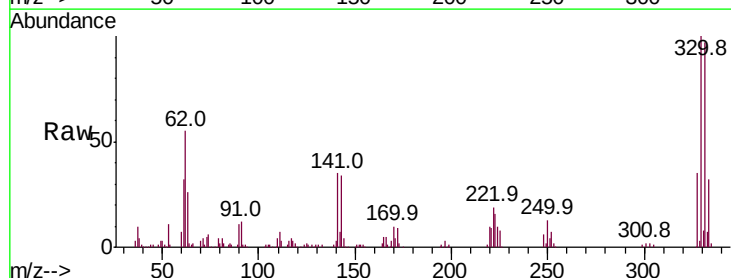


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

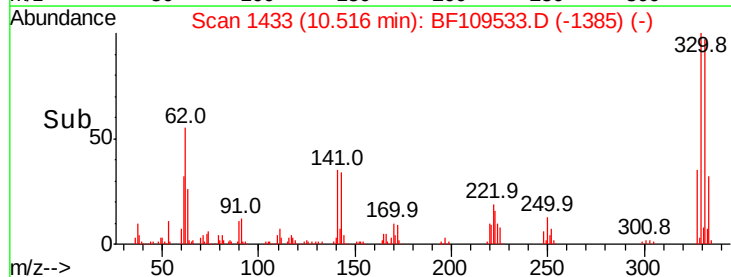
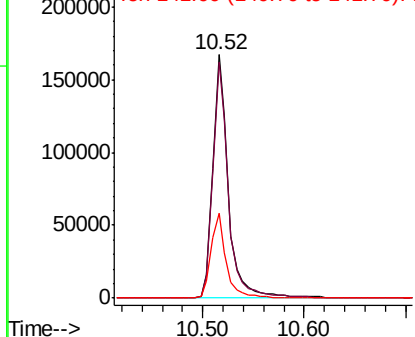


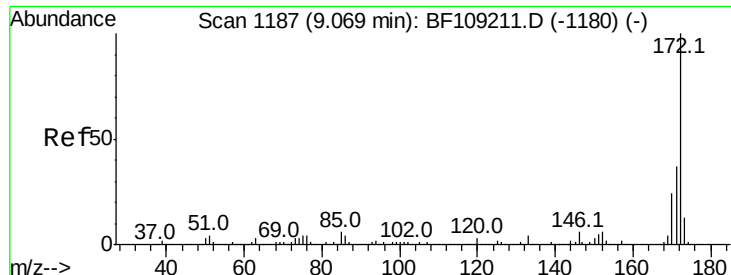
#41
 2,4,6-Tribromophenol
 Concen: 98.939 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109533.D
 Acq: 3 Oct 2018 6:15

Tgt Ion:330 Resp: 178222
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.0 115.6
 141 34.0 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



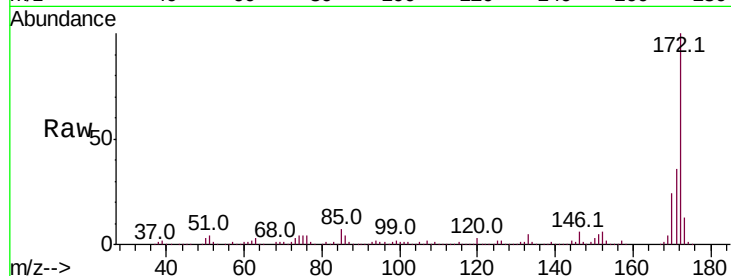


#44
2-Fluorobiphenyl
Concen: 106.144 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF109533.D
Acq: 3 Oct 2018 6:15

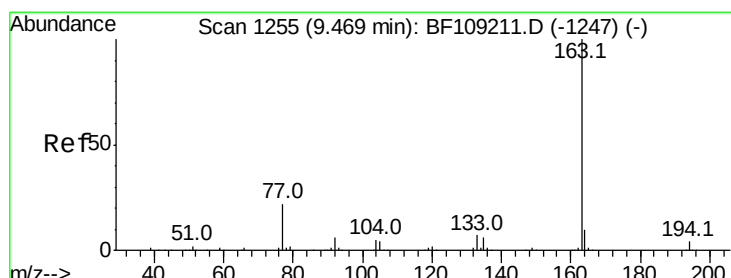
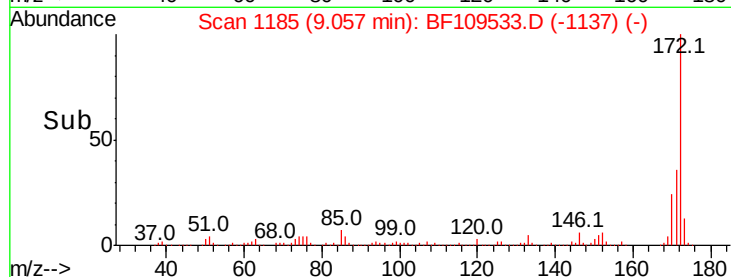
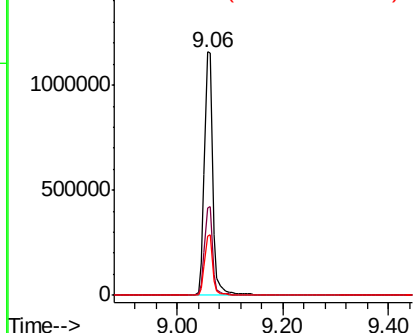
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1286022

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.3	19.6	29.4



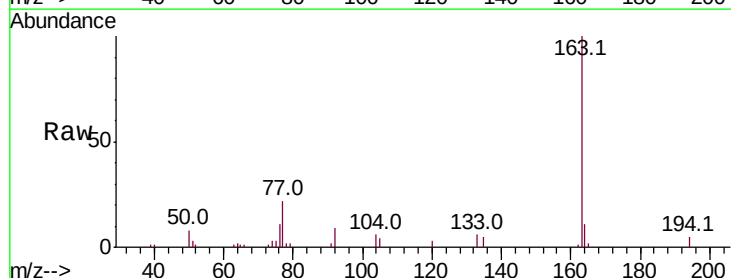
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



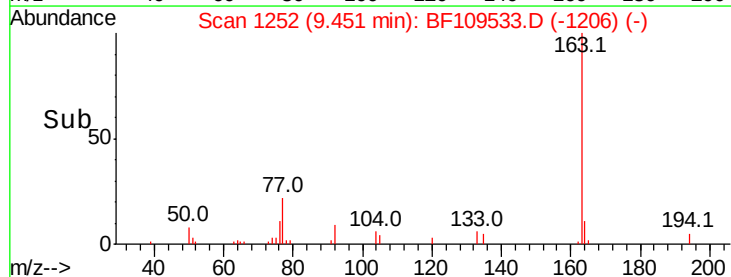
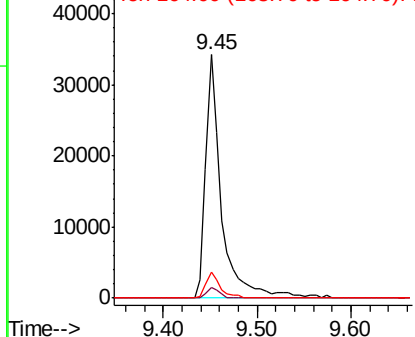
#49
Dimethylphthalate
Concen: 3.042 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109533.D
Acq: 3 Oct 2018 6:15

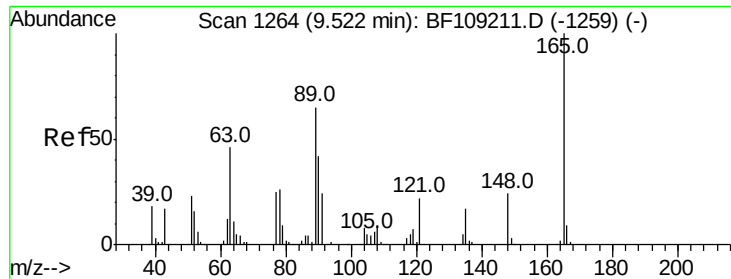
Tgt Ion:163 Resp: 40432

Ion	Ratio	Lower	Upper
163	100		
194	4.6	2.7	4.1#
164	10.7	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

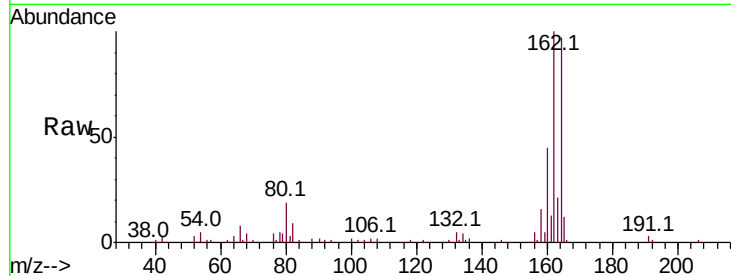




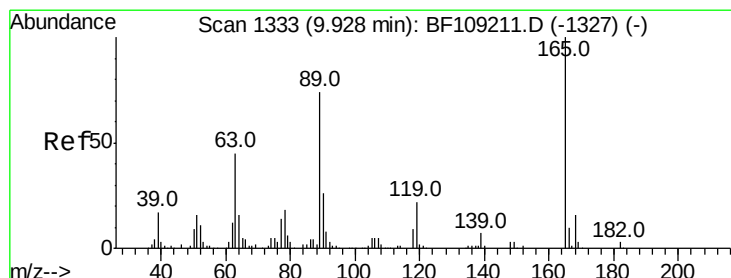
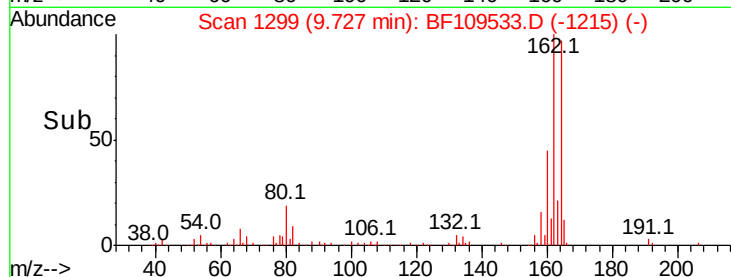
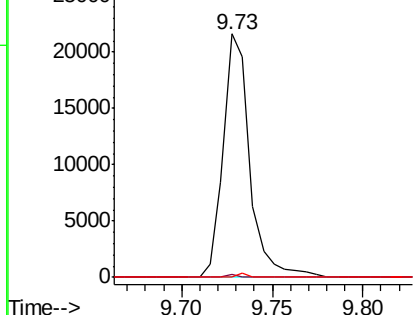
#50
 2,6-Dinitrotoluene
 Concen: 8.406 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. 0.19 min
 Lab File: BF109533.D
 Acq: 3 Oct 2018 6:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 22126
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.7 67.1#
 89 0.0 44.0 66.0#

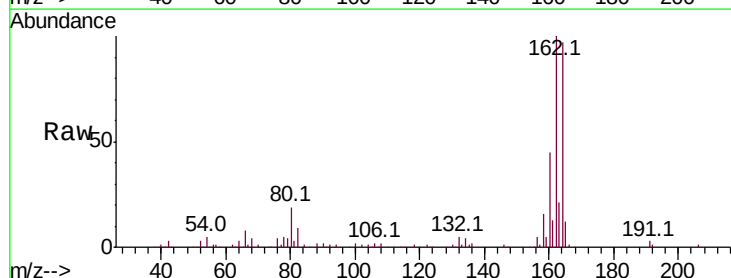


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

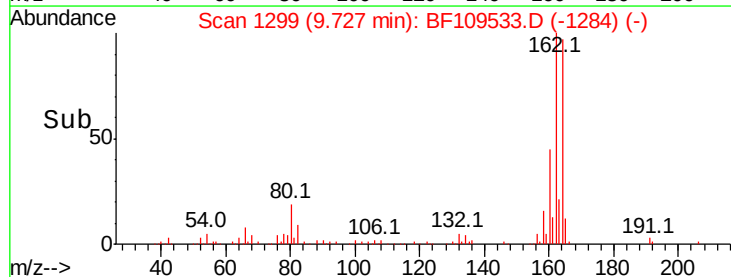
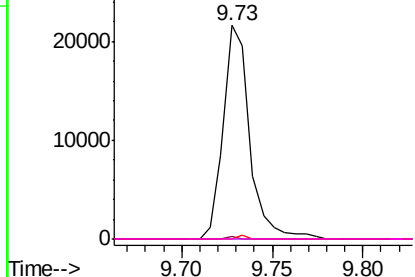


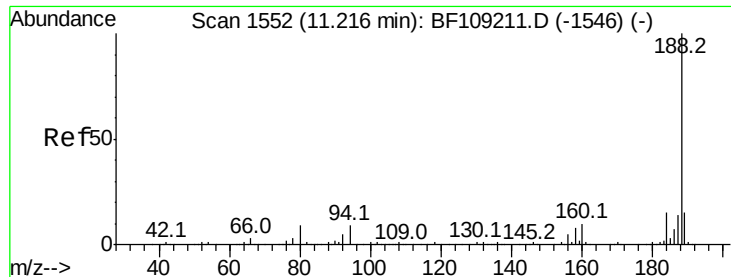
#56
 2,4-Dinitrotoluene
 Concen: 6.643 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF109533.D
 Acq: 3 Oct 2018 6:15

Tgt Ion:165 Resp: 22126
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.4 54.6#
 89 0.0 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

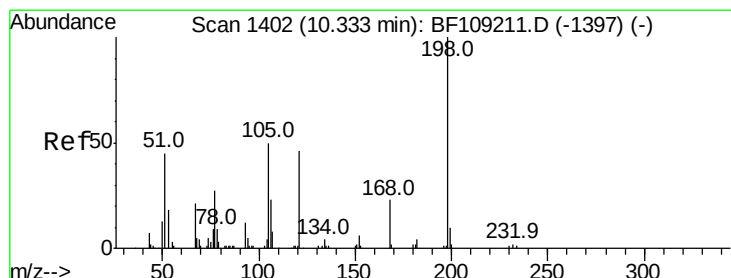
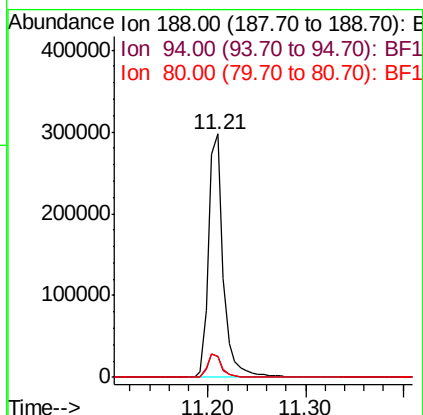
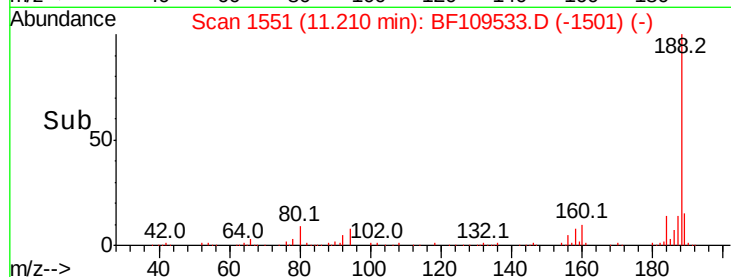
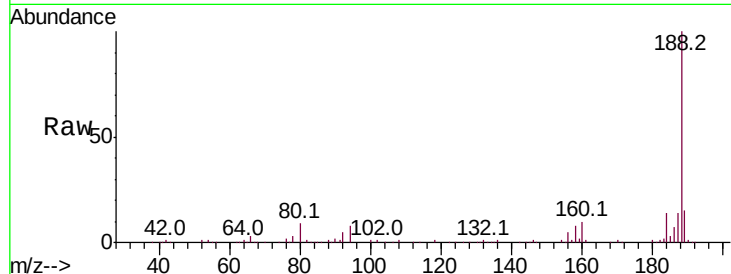




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109533.D
 Acq: 3 Oct 2018 6:15

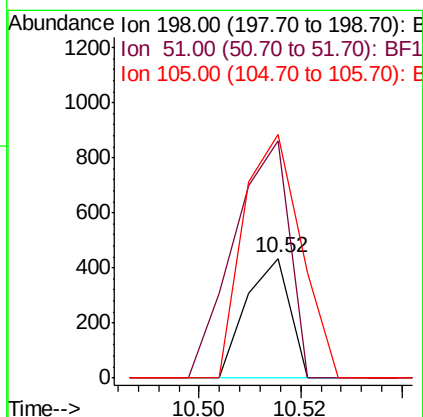
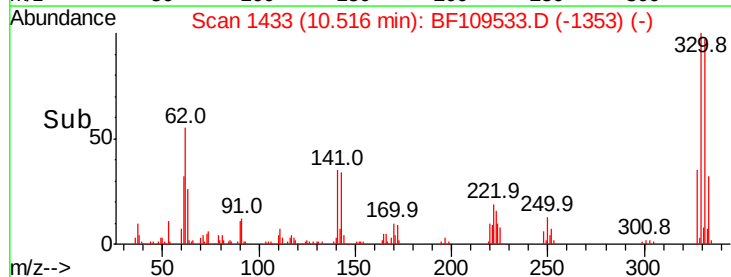
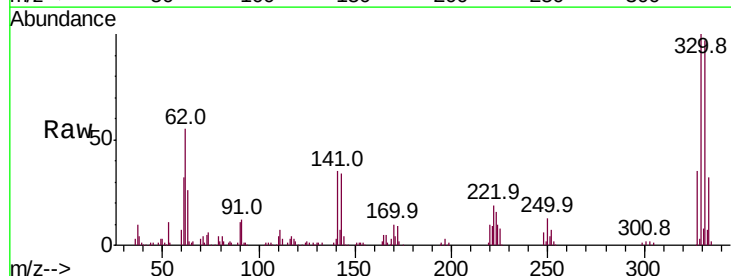
Instrument :
 BNA_F
 ClientSampleId :

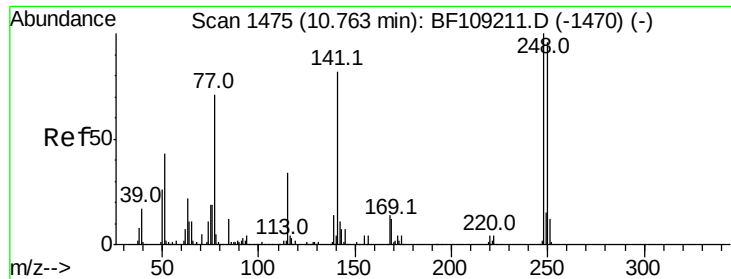
Tot Ion:188 Resp: 312585
 Ion Ratio Lower Upper
 188 100
 94 8.4 8.5 12.7#
 80 8.8 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.700 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.17 min
 Lab File: BF109533.D
 Acq: 3 Oct 2018 6:15

Tgt Ion:198 Resp: 261
 Ion Ratio Lower Upper
 198 100
 51 197.9 37.7 77.7#
 105 203.2 36.3 76.3#

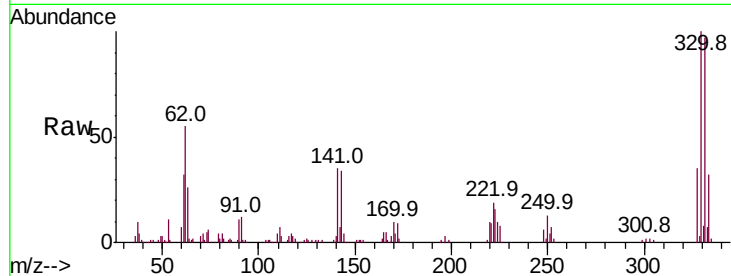




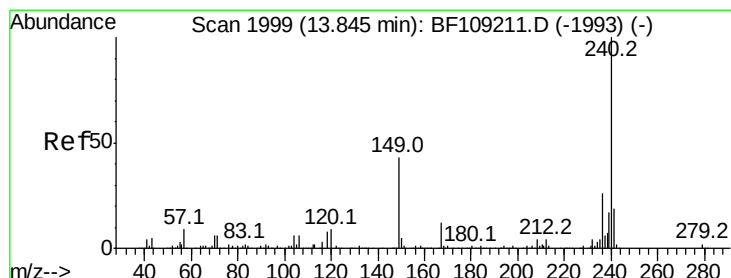
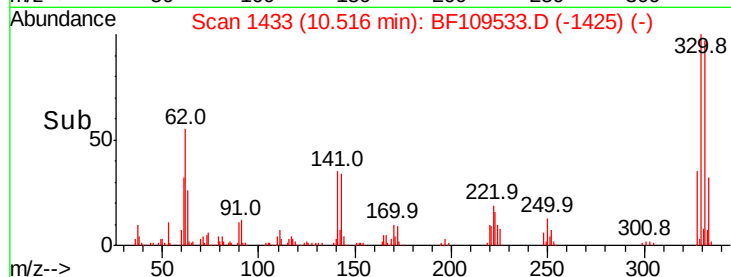
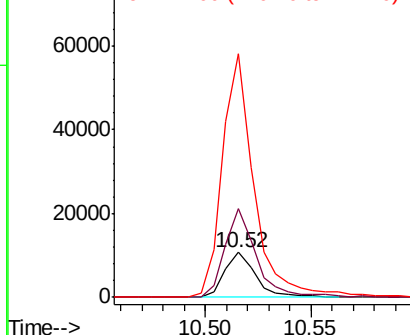
#66
4-Bromophenyl-phenylether
Concen: 3.118 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.25 min
Lab File: BF109533.D
Acq: 3 Oct 2018 6:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 10824
Ion Ratio Lower Upper
248 100
250 197.5 76.9 115.3#
141 543.7 74.4 111.6#

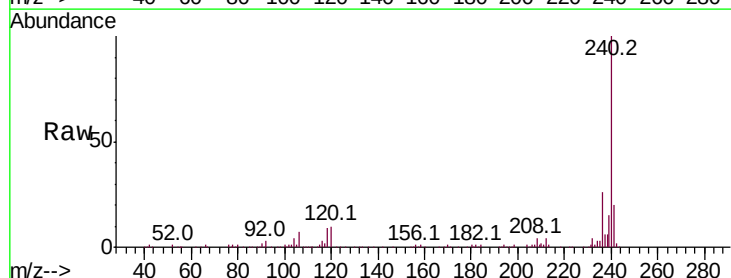


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

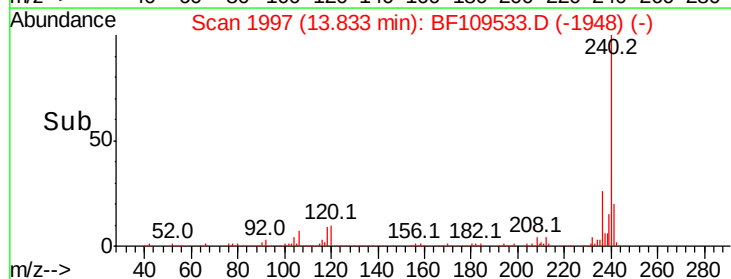
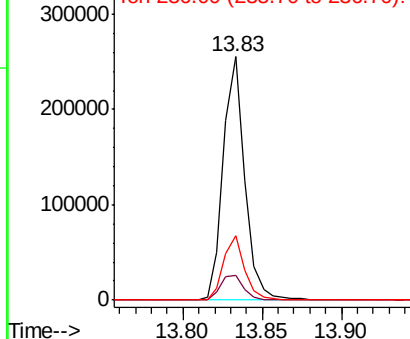


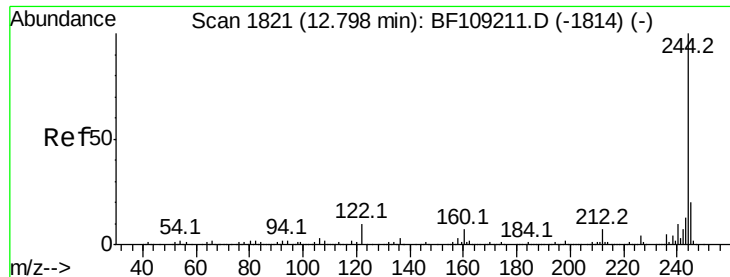
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF109533.D
Acq: 3 Oct 2018 6:15

Tgt Ion:240 Resp: 240604
Ion Ratio Lower Upper
240 100
120 10.2 9.5 14.3
236 26.3 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

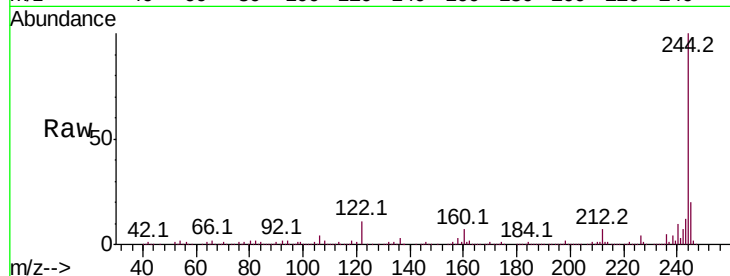




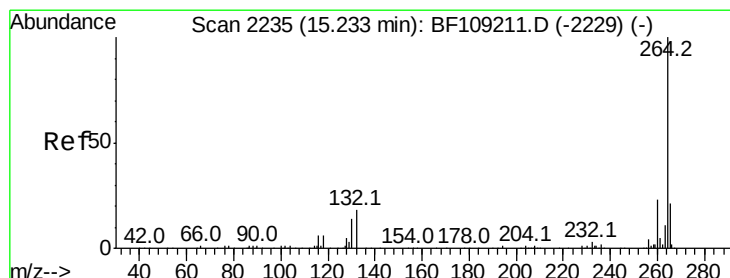
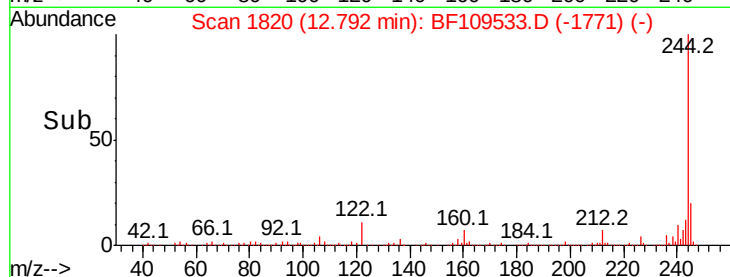
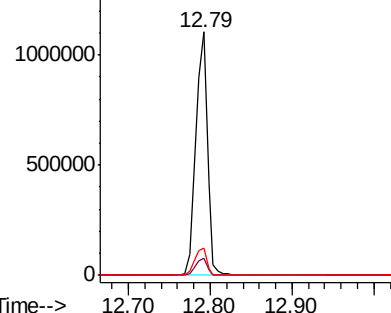
#78
 Terphenyl-d14
 Concen: 110.133 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109533.D
 Acq: 3 Oct 2018 6:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1079732
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 11.0 11.0 16.4

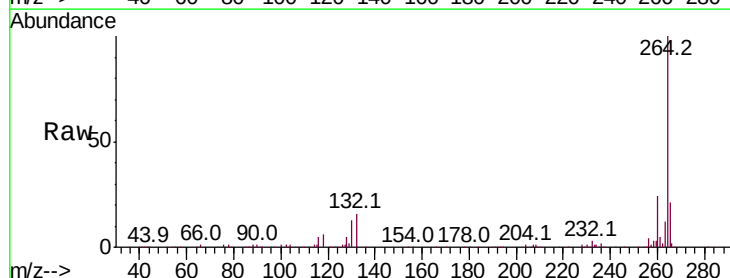


Abundance Ion 244.00 (243.70 to 244.70): E
 1500000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. -0.01 min
 Lab File: BF109533.D
 Acq: 3 Oct 2018 6:15

Tgt Ion:264 Resp: 257103
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.3 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 250000 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

