

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
 Data File : BF109944.D
 Acq On : 18 Oct 2018 2:10
 Operator : JU/SJ
 Sample : J5543-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 10:43:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

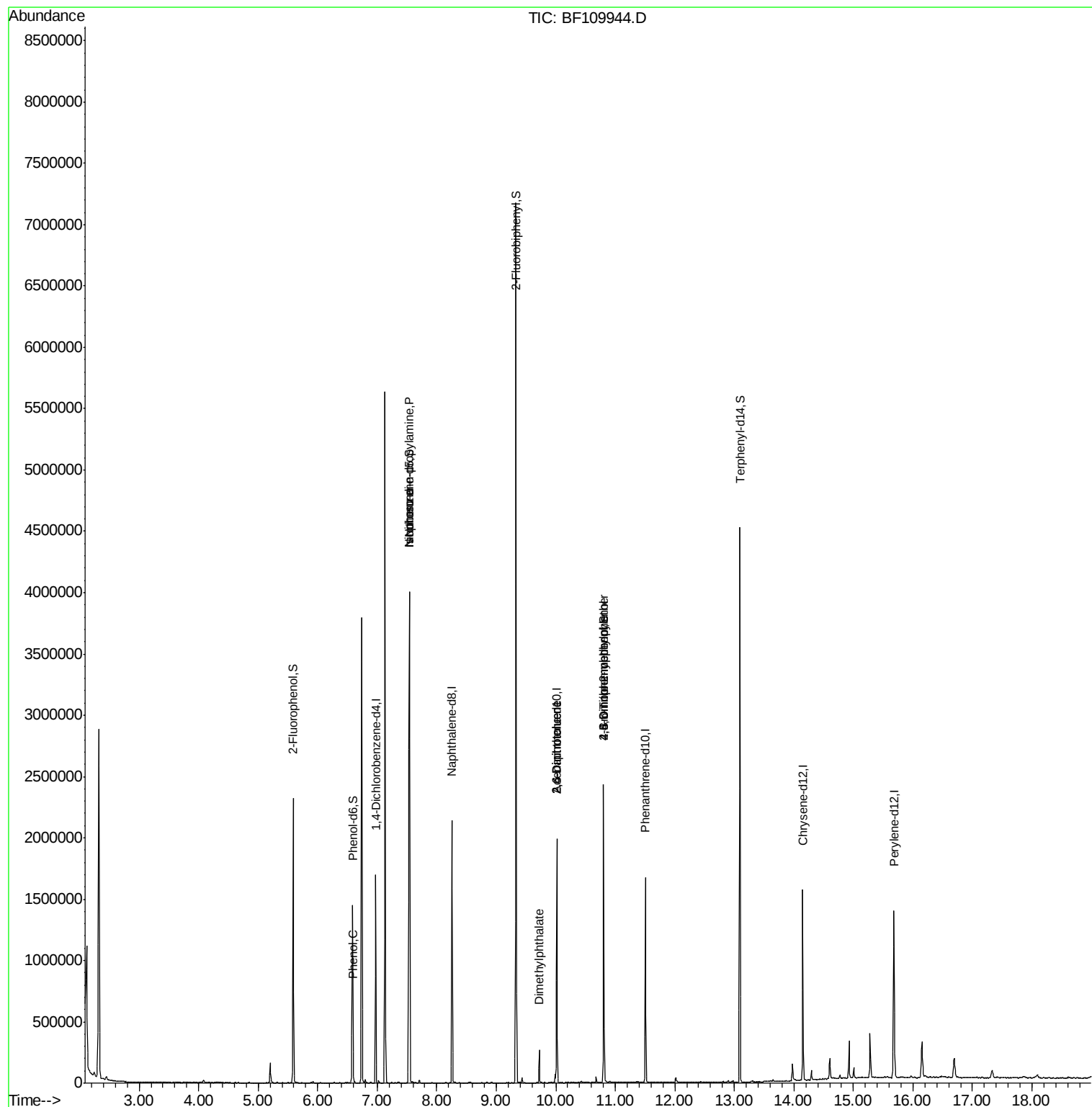
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	229077	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	891665	20.00	ng	-0.01
39) Acenaphthene-d10	10.02	164	375805	20.00	ng	-0.01
64) Phenanthrene-d10	11.51	188	564850	20.00	ng	0.00
76) Chrysene-d12	14.15	240	497391	20.00	ng	-0.01
87) Perylene-d12	15.68	264	482169	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	590462	40.86	ng	0.00
7) Phenol-d6	6.59	99	440851	24.57	ng	-0.02
23) Nitrobenzene-d5	7.54	82	1399162	105.70	ng	-0.01
42) 2,4,6-Tribromophenol	10.81	330	281429	86.50	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	2357980	100.12	ng	0.00
79) Terphenyl-d14	13.09	244	1561115	65.91	ng	-0.01
Target Compounds						
10) Phenol	6.60	94	61294	3.164	ng	# 60
19) n-Nitroso-di-n-propylamine	7.54	70	187690	16.290	ng	# 81
25) Isophorone	7.54	82	1399145	53.796	ng	# 67
50) Dimethylphthalate	9.72	163	88812	3.337	ng	# 99
51) 2,6-Dinitrotoluene	10.02	165	47918	9.481	ng	# 23
57) 2,4-Dinitrotoluene	10.02	165	47918	11.372	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	557	8.132	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	19015	3.106	ng	# 1

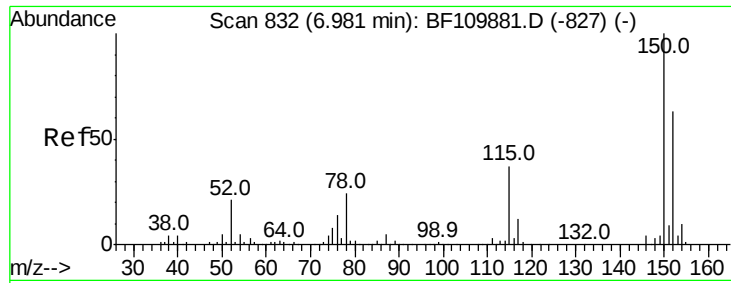
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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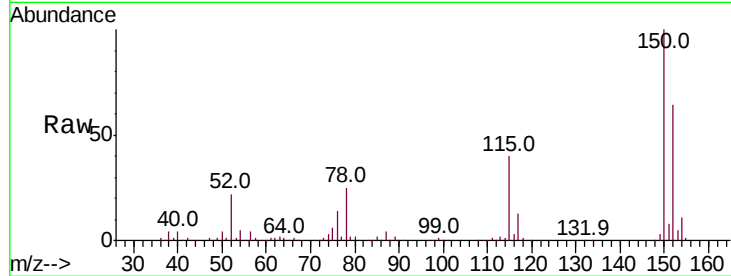


#1

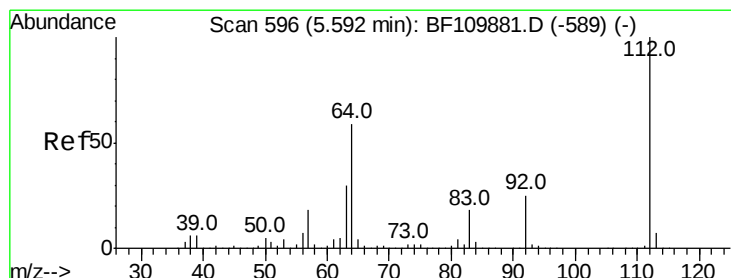
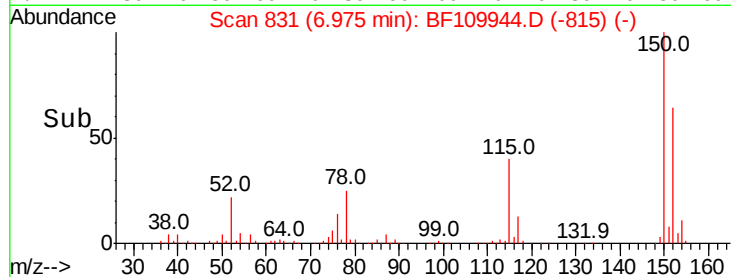
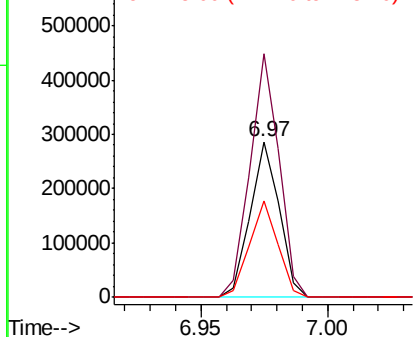
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109944.D
Acq: 18 Oct 2018 2:10

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	122.7	184.1
115	62.2	49.1	73.7



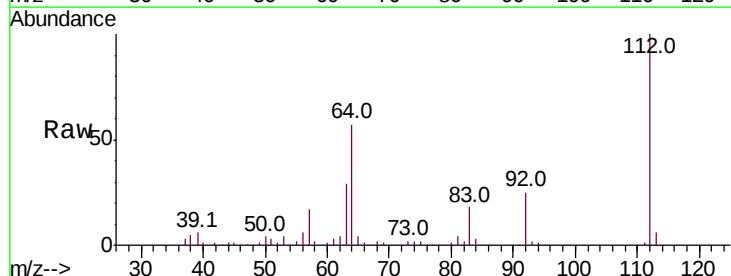
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



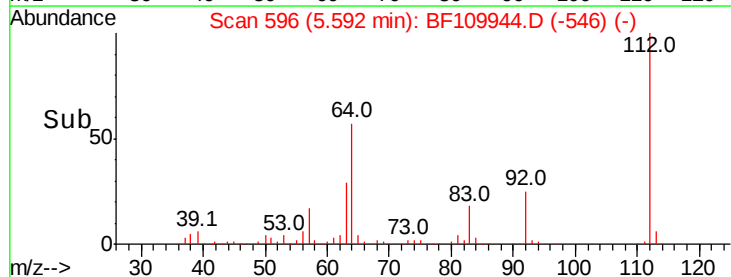
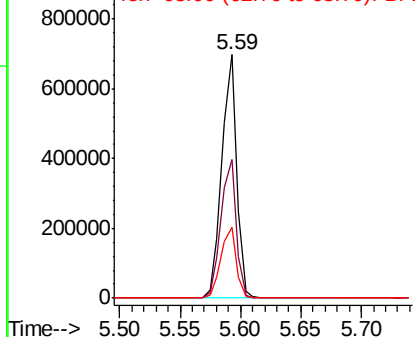
#5

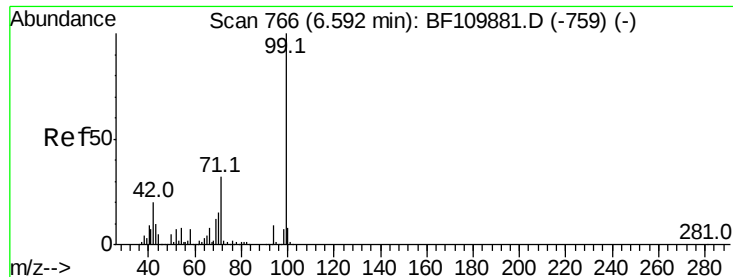
2-Fluorophenol
Concen: 40.858 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF109944.D
Acq: 18 Oct 2018 2:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	44.1	66.1
63	29.0	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: 24.567 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF109944.D

Acq: 18 Oct 2018 2:10

Instrument :

BNA_F

ClientSampleId :

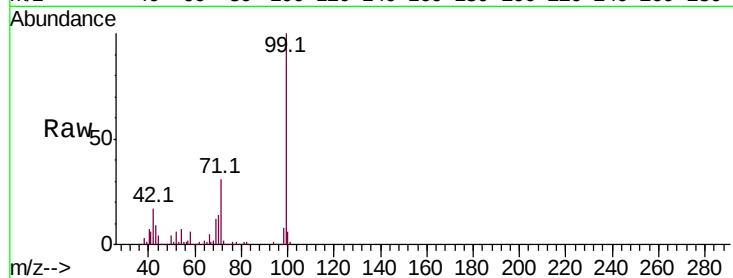
Tot Ion: 99 Resp: 440851

Ion Ratio Lower Upper

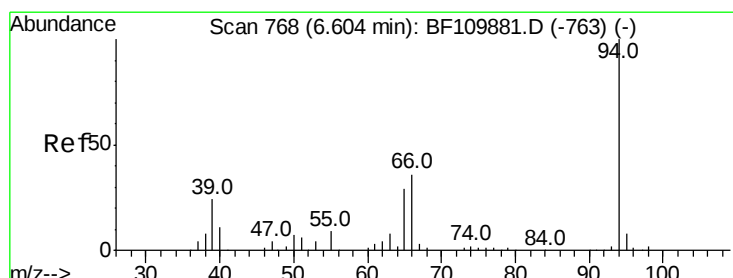
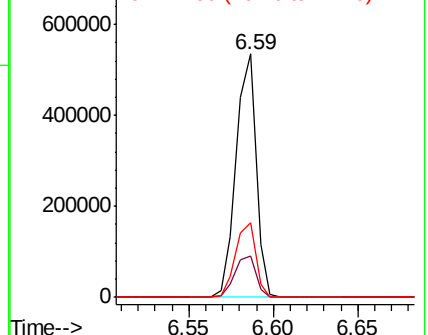
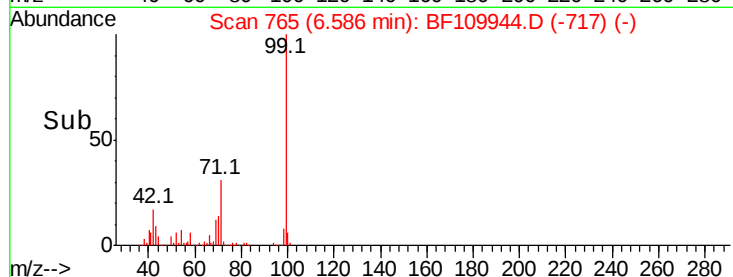
99 100

42 16.9 15.8 23.6

71 30.7 28.0 42.0



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: 3.164 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF109944.D

Acq: 18 Oct 2018 2:10

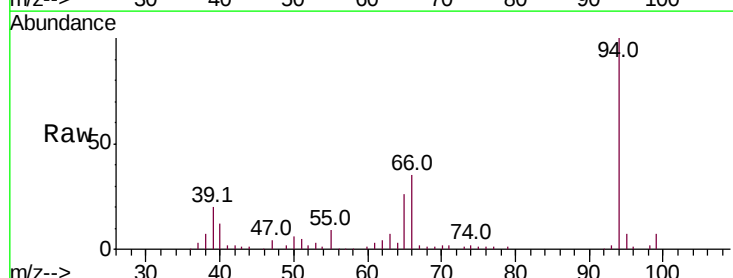
Tgt Ion: 94 Resp: 61294

Ion Ratio Lower Upper

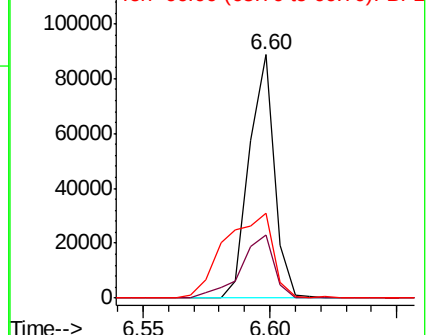
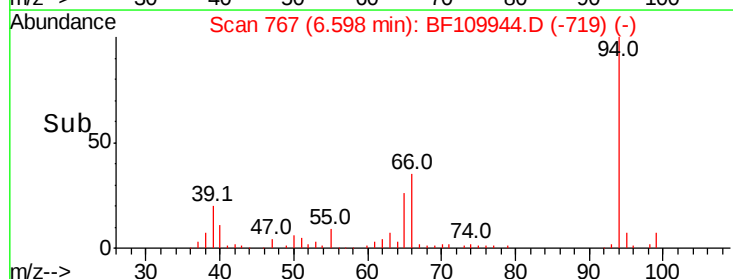
94 100

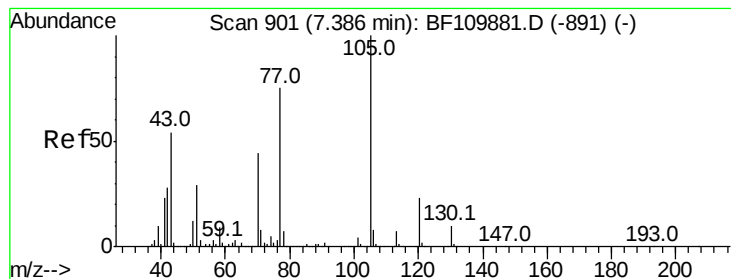
65 25.8 25.3 65.3

66 34.8 54.5 94.5#



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: 16.290 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF109944.D

Acq: 18 Oct 2018 2:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 187690

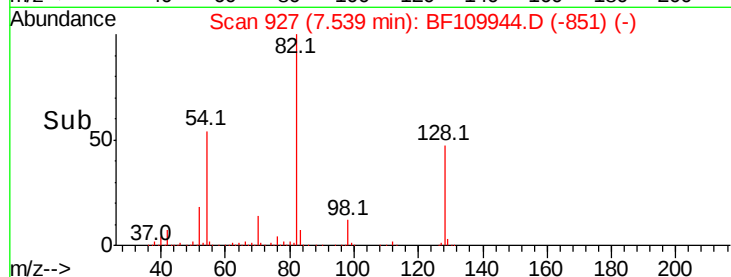
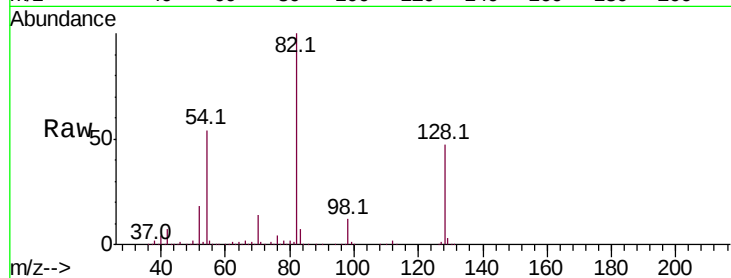
Ion Ratio Lower Upper

70 100

42 50.5 47.4 71.2

101 0.0 7.3 10.9#

130 2.1 16.2 24.2#

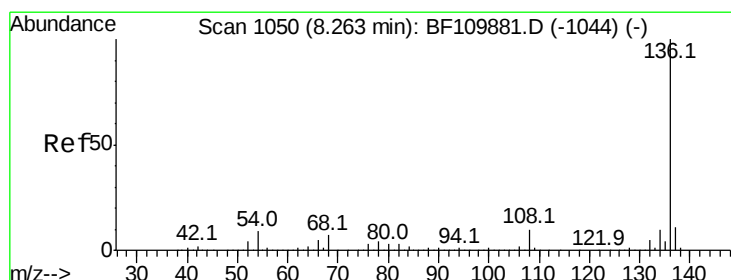
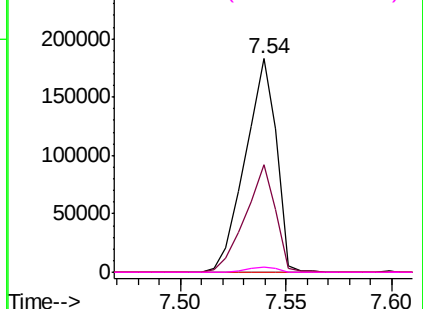


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF109944.D

Acq: 18 Oct 2018 2:10

Tgt Ion:136 Resp: 891665

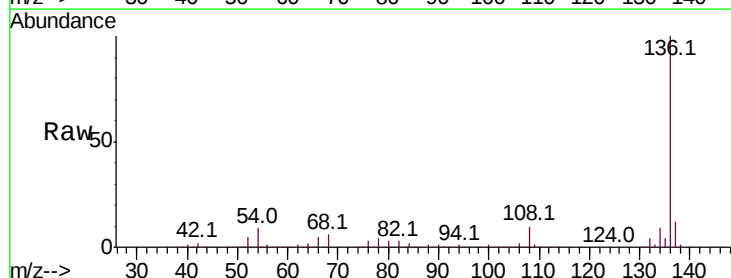
Ion Ratio Lower Upper

136 100

137 11.6 8.8 13.2

54 8.9 5.4 8.2#

68 6.3 4.2 6.2#

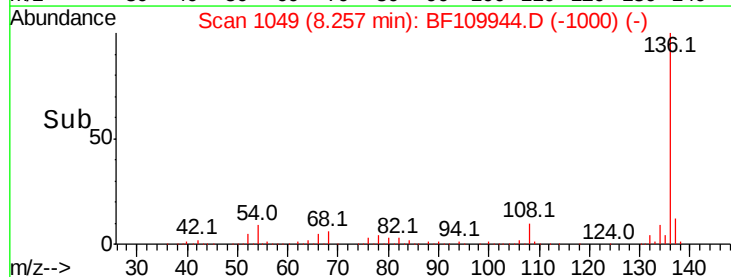
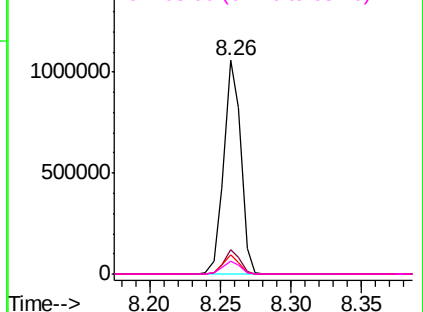


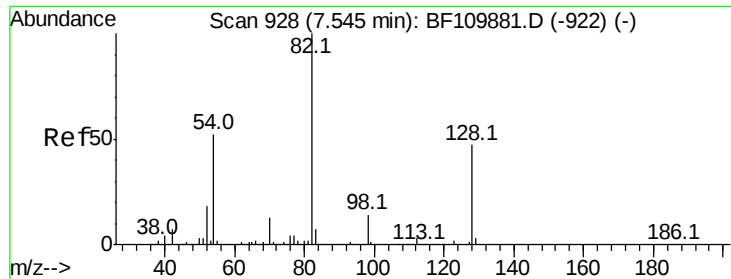
Abundance Ion 136.00 (135.70 to 136.70): E

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

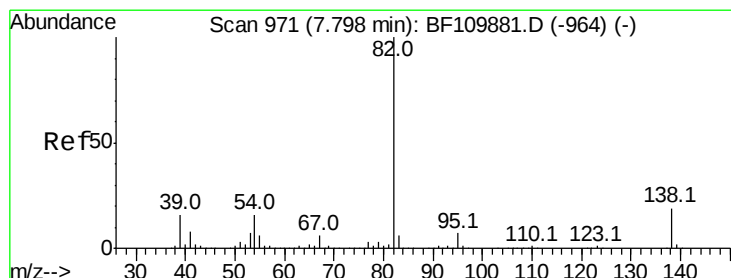
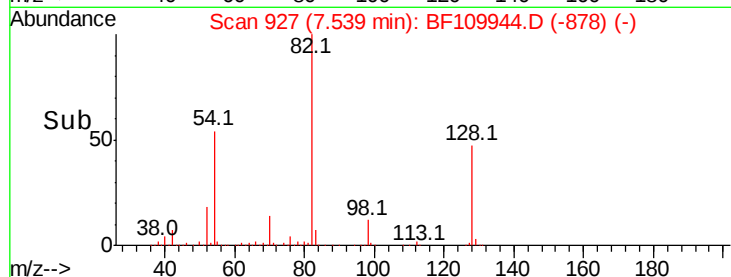
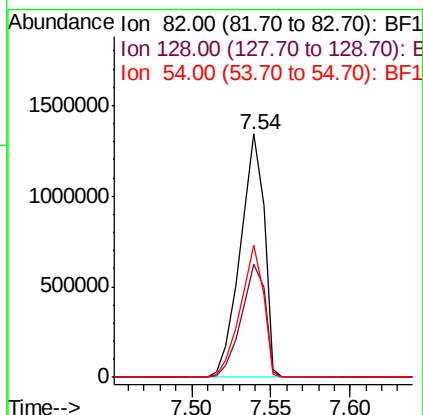
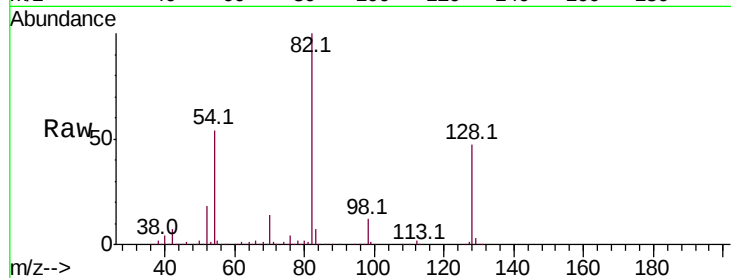




#23
Nitrobenzene-d5
Concen: 105.705 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF109944.D
Acq: 18 Oct 2018 2:10

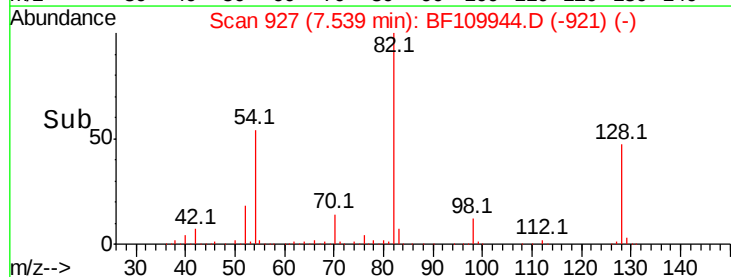
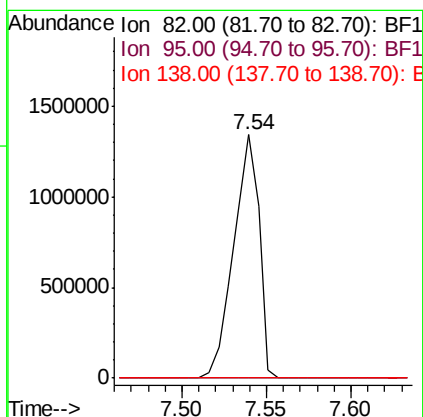
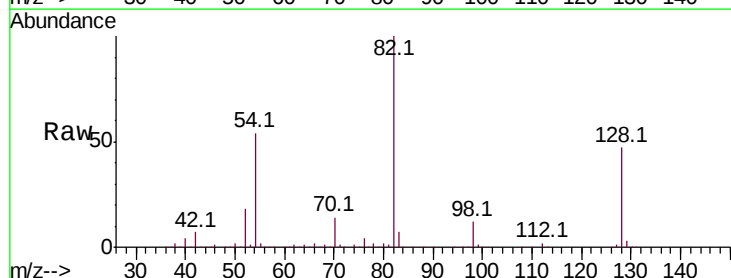
Instrument :
BNA_F
ClientSampleId :

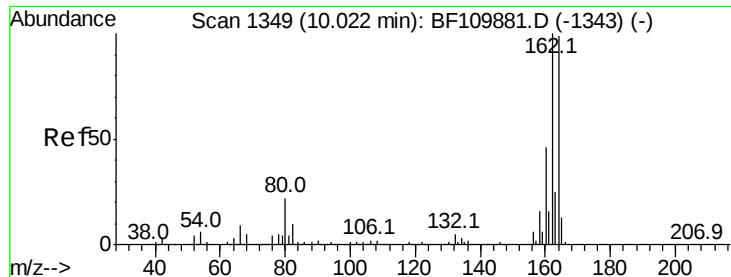
Tot Ion: 82 Resp: 1399162
Ion Ratio Lower Upper
82 100
128 46.6 34.2 51.2
54 54.2 38.6 58.0



#25
Isophorone
Concen: 53.796 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.26 min
Lab File: BF109944.D
Acq: 18 Oct 2018 2:10

Tgt Ion: 82 Resp: 1399145
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#

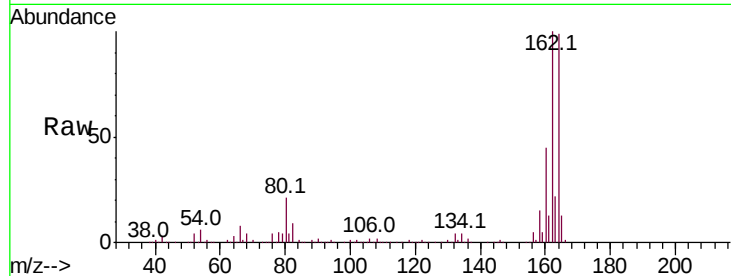




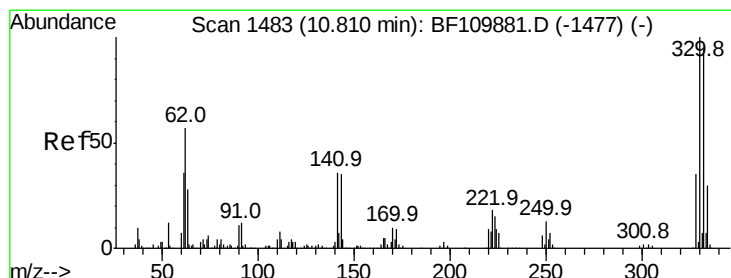
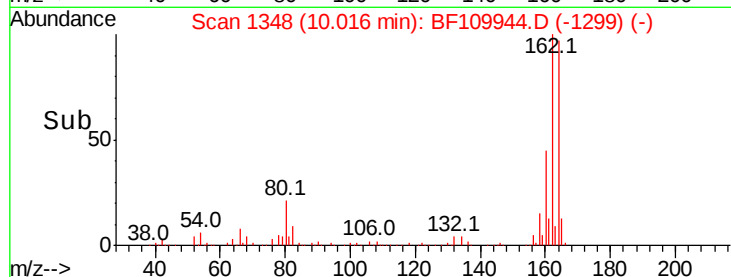
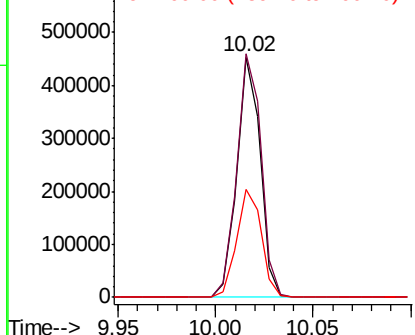
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF109944.D
 Acq: 18 Oct 2018 2:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 375805
 Ion Ratio Lower Upper
 164 100
 162 101.5 83.0 124.6
 160 45.2 37.0 55.6

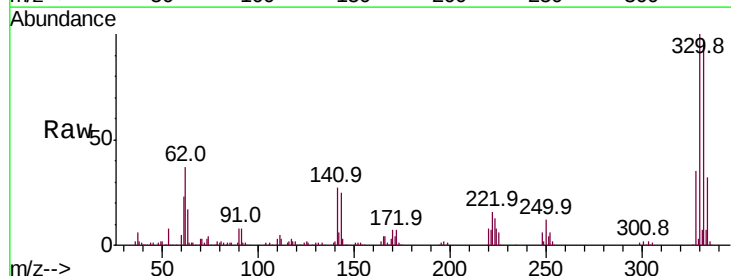


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

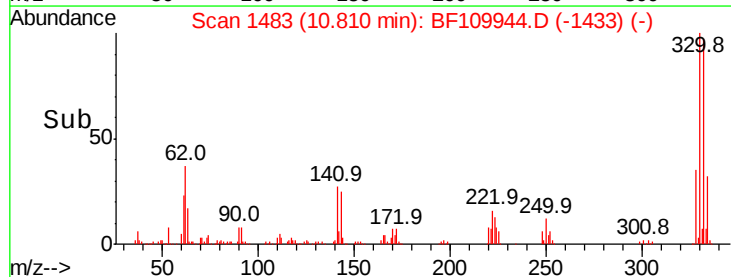
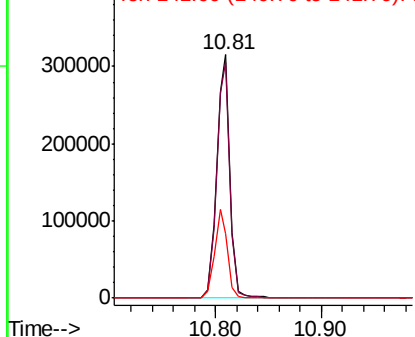


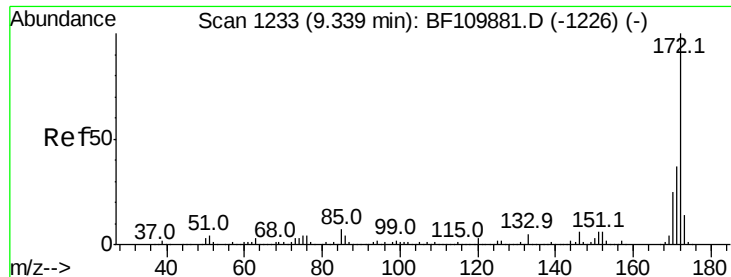
#42
 2,4,6-Tribromophenol
 Concen: 86.497 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: BF109944.D
 Acq: 18 Oct 2018 2:10

Tgt Ion:330 Resp: 281429
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.1 115.7
 141 35.3 27.0 40.4



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



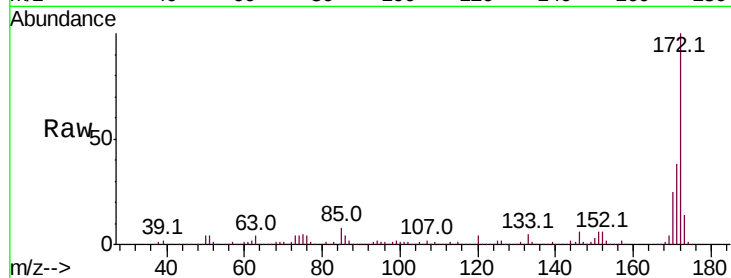


#45
 2-Fluorobiphenyl
 Concen: 100.119 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF109944.D
 Acq: 18 Oct 2018 2:10

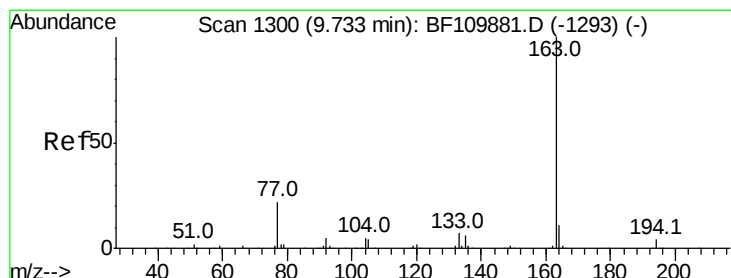
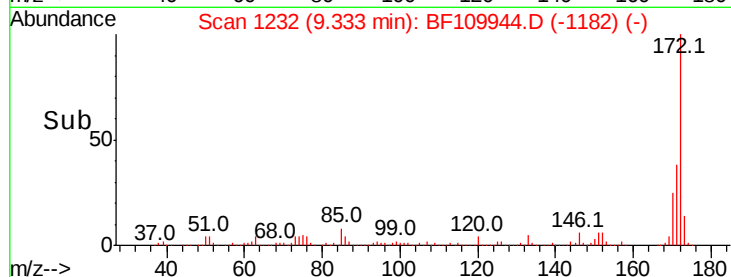
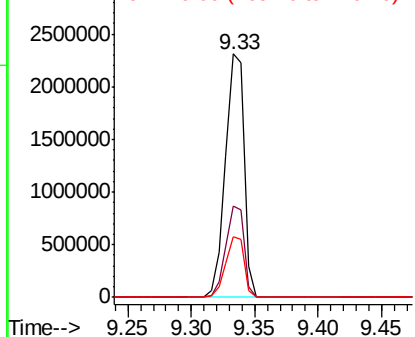
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 2357980

Ion	Ratio	Lower	Upper
172	100		
171	37.7	28.6	43.0
170	25.1	19.7	29.5



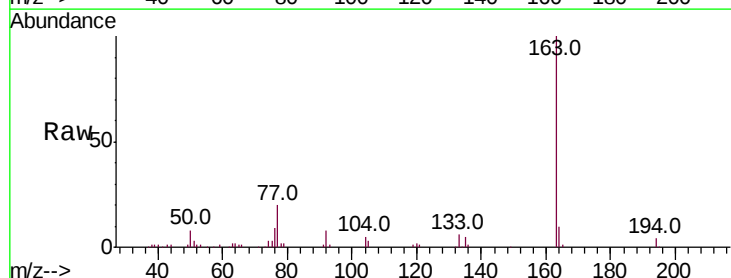
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



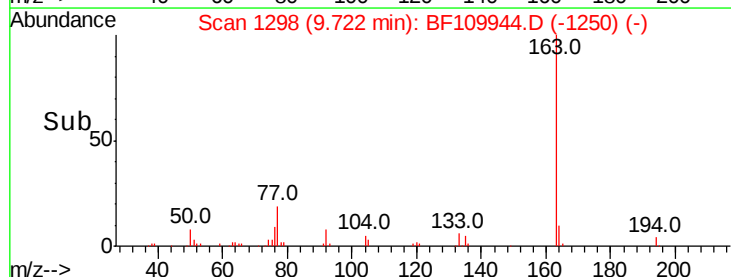
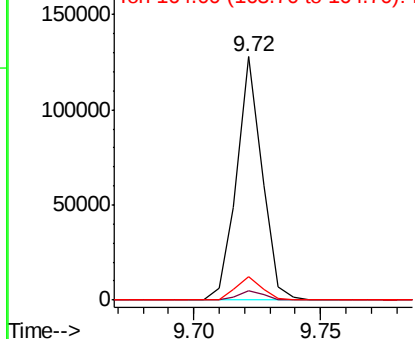
#50
 Dimethylphthalate
 Concen: 3.337 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BF109944.D
 Acq: 18 Oct 2018 2:10

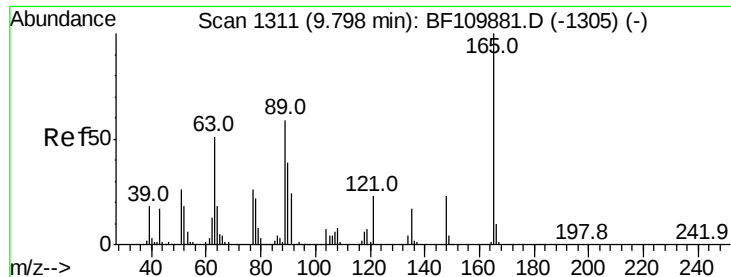
Tgt Ion:163 Resp: 88812

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	9.7	8.1	12.1



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

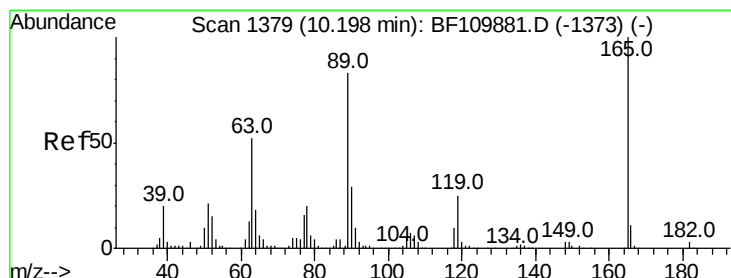
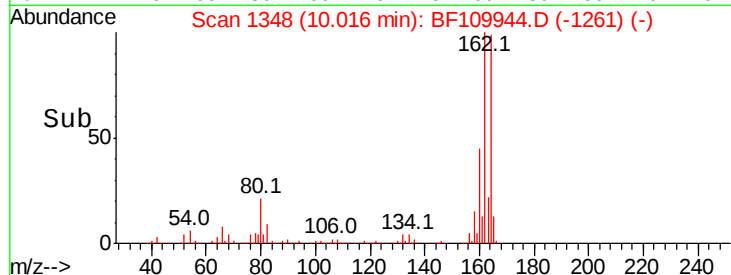
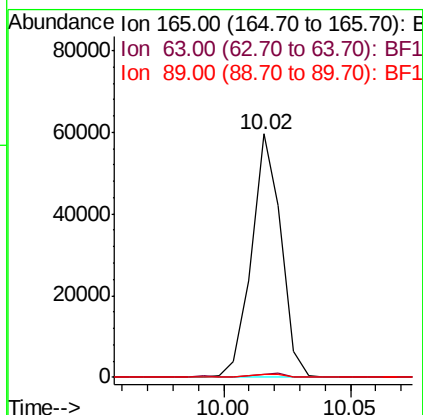
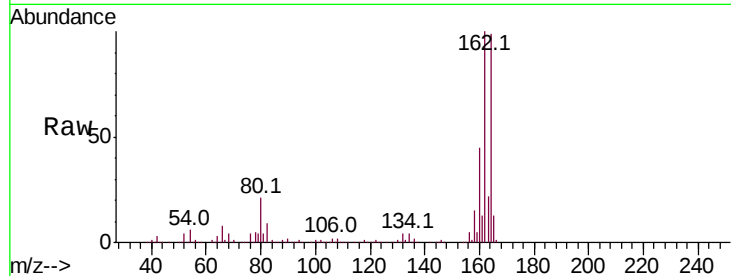




#51
 2,6-Dinitrotoluene
 Concen: 9.481 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. 0.21 min
 Lab File: BF109944.D
 Acq: 18 Oct 2018 2:10

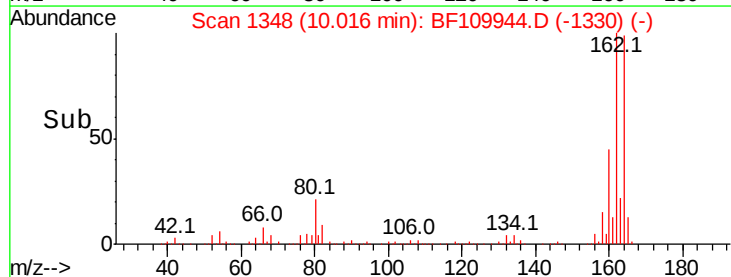
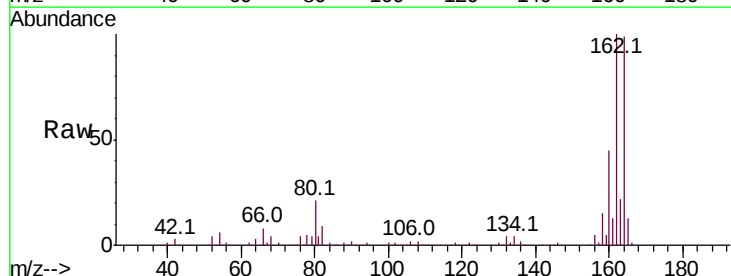
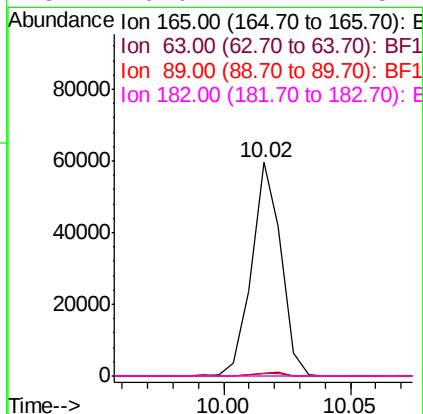
Instrument :
 BNA_F
 ClientSampleId :

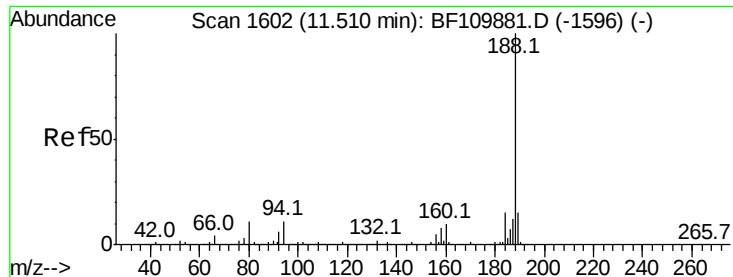
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	48.9	73.3#
89	1.4	46.6	69.8#



#57
 2,4-Dinitrotoluene
 Concen: 11.372 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.19 min
 Lab File: BF109944.D
 Acq: 18 Oct 2018 2:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.8	67.2#
89	1.4	62.2	93.4#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BF109944.D

Acq: 18 Oct 2018 2:10

Instrument :

BNA_F

ClientSampleId :

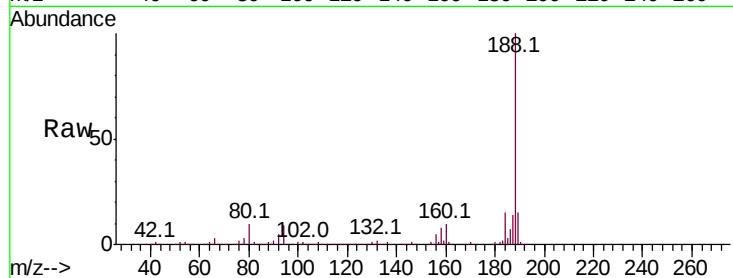
Tot Ion:188 Resp: 564850

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

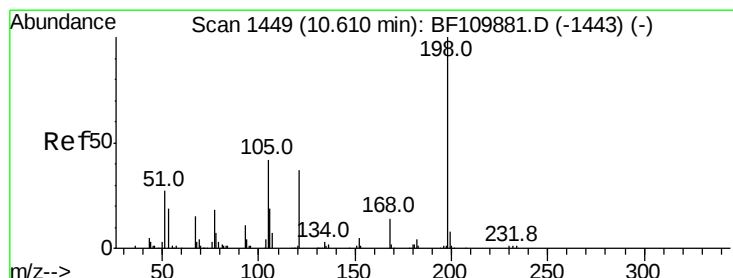
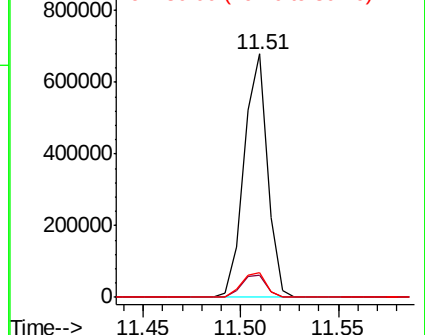
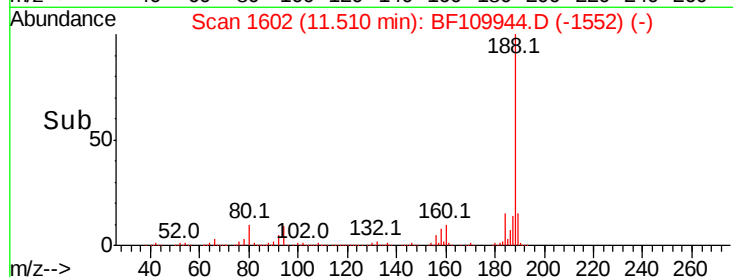
80 10.1 7.9 11.9



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.132 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.18 min

Lab File: BF109944.D

Acq: 18 Oct 2018 2:10

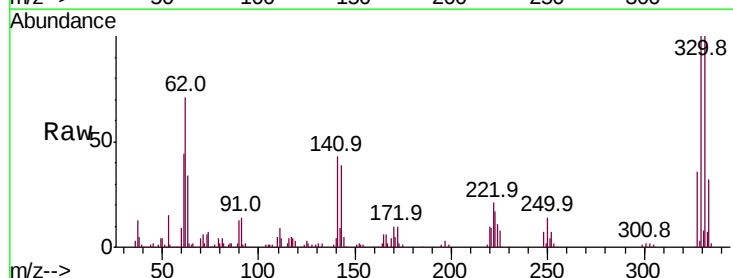
Tgt Ion:198 Resp: 557

Ion Ratio Lower Upper

198 100

51 264.1 22.8 62.8#

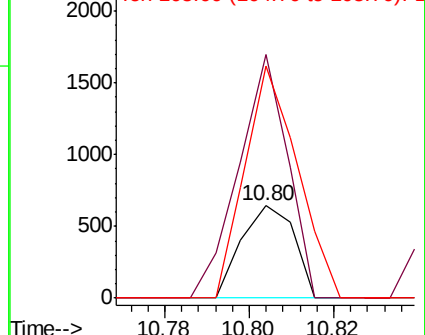
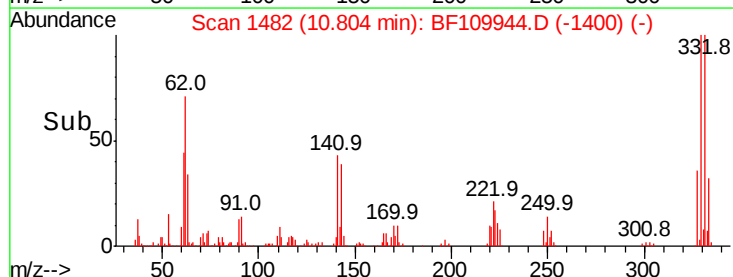
105 251.6 23.6 63.6#

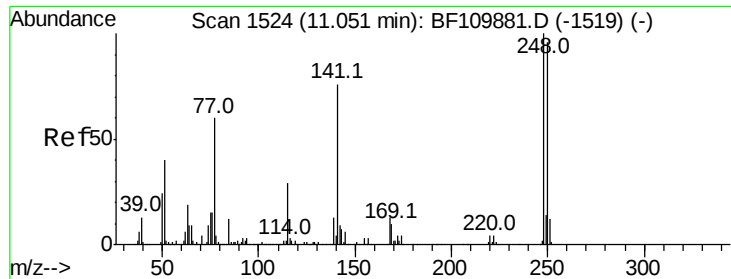


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

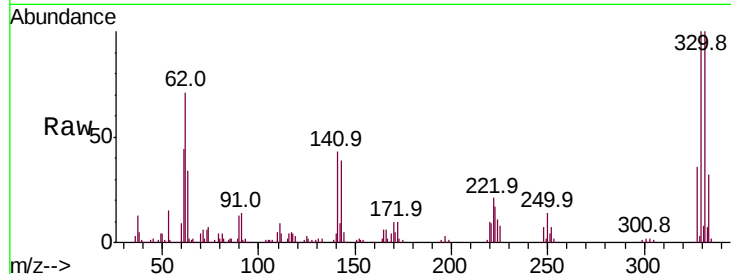




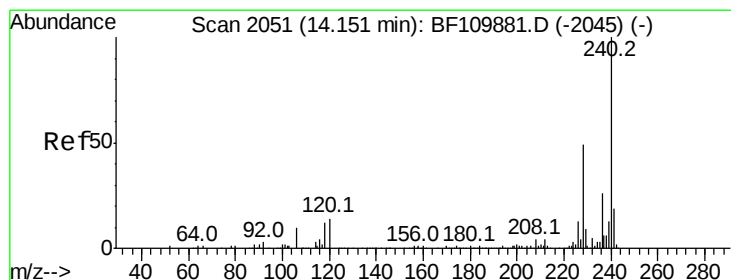
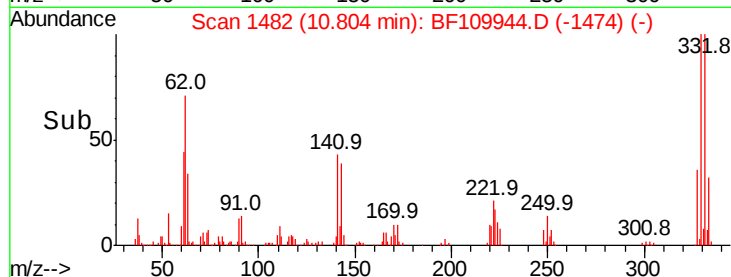
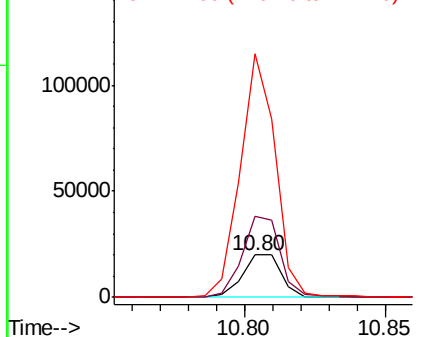
#67
4-Bromophenyl-phenylether
Concen: 3.106 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF109944.D
Acq: 18 Oct 2018 2:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 19015
Ion Ratio Lower Upper
248 100
250 191.5 79.4 119.2#
141 574.6 55.9 83.9#

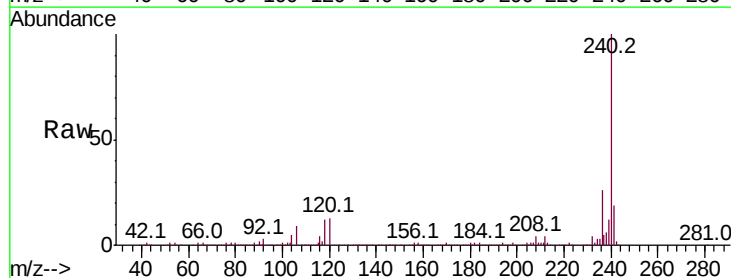


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

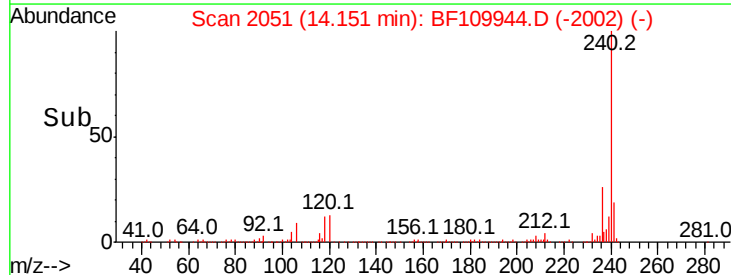
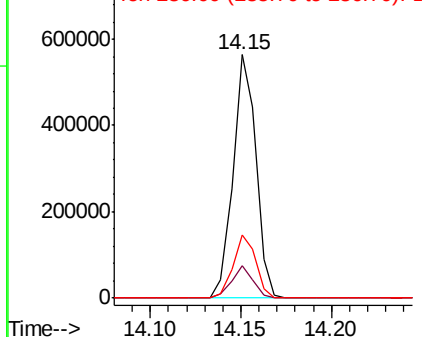


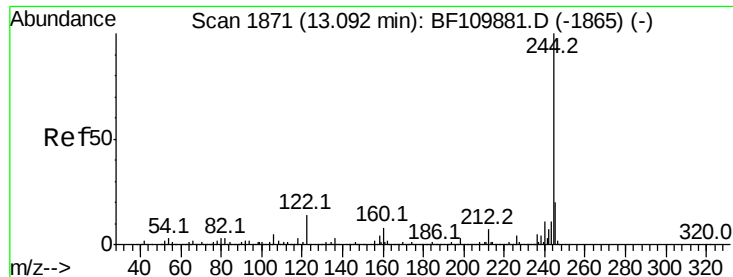
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF109944.D
Acq: 18 Oct 2018 2:10

Tgt Ion:240 Resp: 497391
Ion Ratio Lower Upper
240 100
120 13.4 8.3 12.5#
236 25.7 21.2 31.8



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

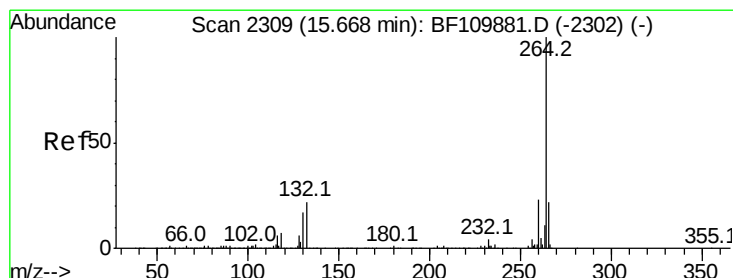
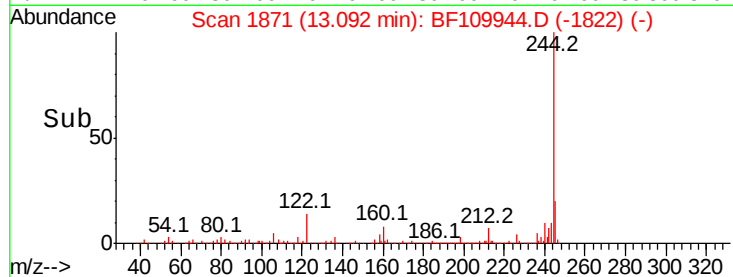
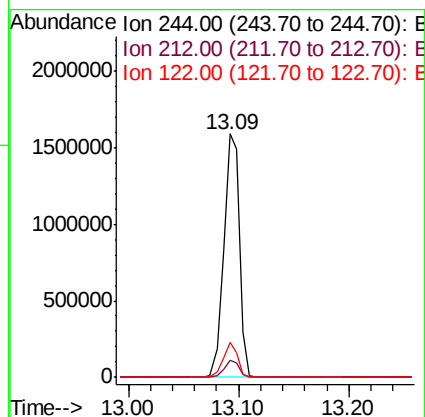
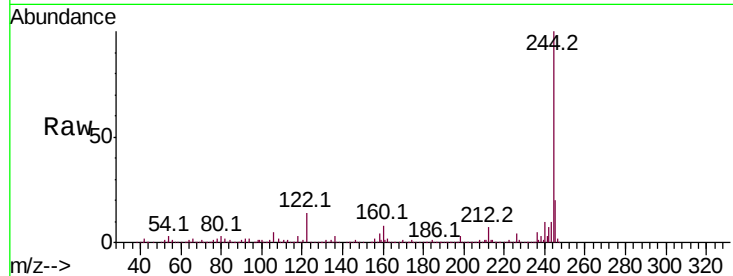




#79
 Terphenyl-d14
 Concen: 65.908 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: BF109944.D
 Acq: 18 Oct 2018 2:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1561115
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 14.2 8.7 13.1#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2311
 Delta R.T. -0.01 min
 Lab File: BF109944.D
 Acq: 18 Oct 2018 2:10

Tgt Ion:264 Resp: 482169
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.7 28.1
 265 22.6 16.7 25.1

