

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092519.D
 Acq On : 26 Jan 2017 12:15
 Operator : SJ/MA
 Sample : I1309-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 13:29:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

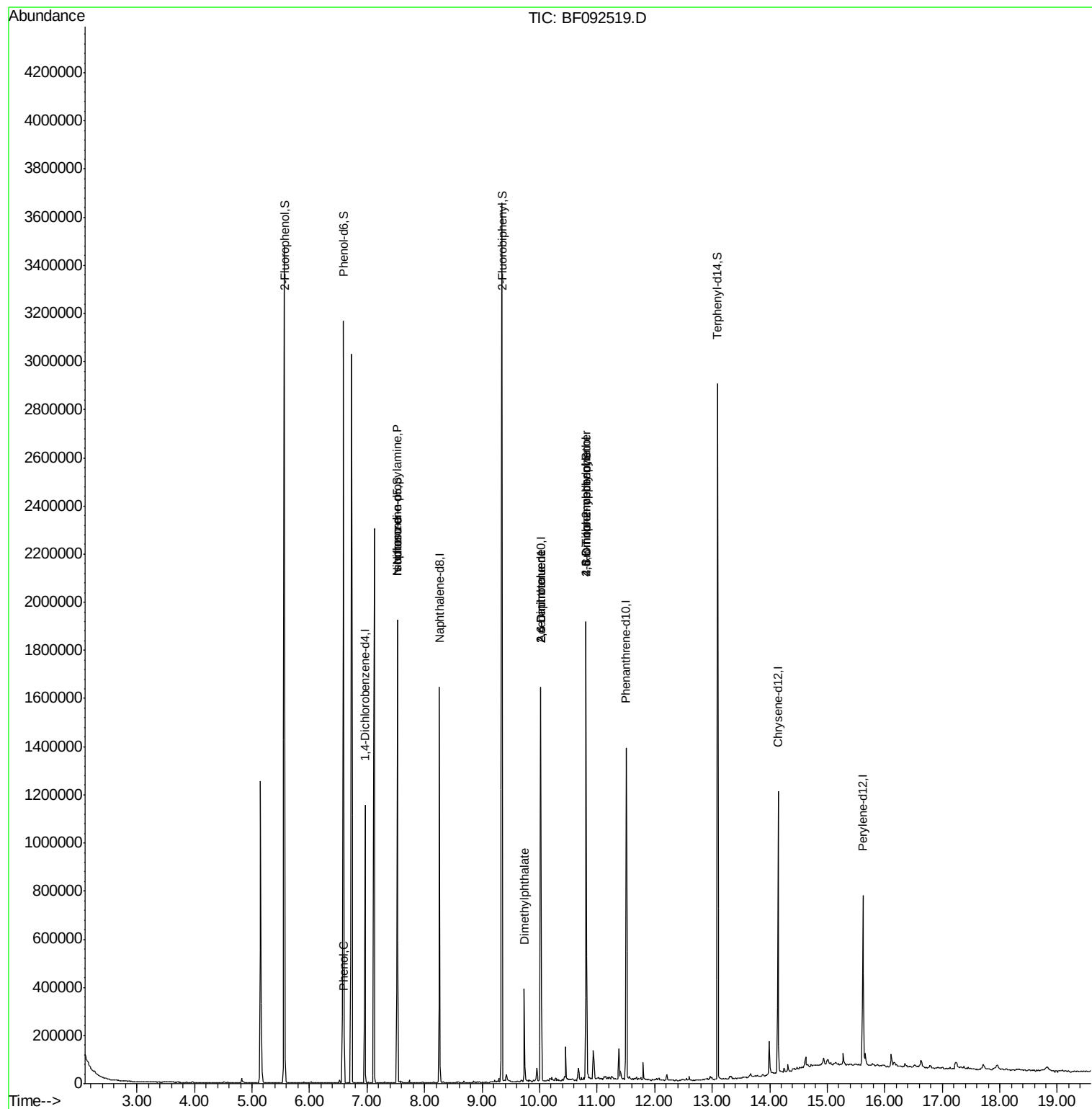
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	170145	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	681563	20.00	ng	-0.01
38) Acenaphthene-d10	10.02	164	340948	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	542823	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	388131	20.00	ng	-0.02
86) Perylene-d12	15.62	264	338469	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	945723	86.48	ng	0.01
7) Phenol-d6	6.59	99	1293625	92.87	ng	0.00
23) Nitrobenzene-d5	7.53	82	666604	53.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	219353	94.41	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1166147	63.25	ng	-0.01
78) Terphenyl-d14	13.09	244	903533	61.99	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	53781	3.20	ng	# 61
19) n-Nitroso-di-n-propylamine	7.53	70	87860	9.26	ng	# 84
25) Isophorone	7.53	82	578466	23.53	ng	# 65
49) Dimethylphthalate	9.73	163	133565	6.16	ng	# 99
50) 2,6-Dinitrotoluene	10.02	165	44441	10.03	ng	# 31
56) 2,4-Dinitrotoluene	10.02	165	44443	7.56	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.81	198	369	5.06	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	15894	2.90	ng	# 1

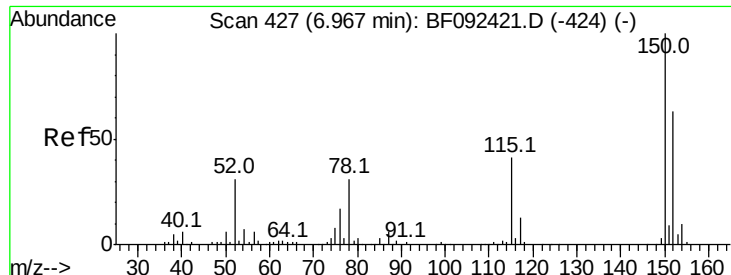
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF092519.D

Acq: 26 Jan 2017 12:15

Instrument :

BNA_F

ClientSampleId :

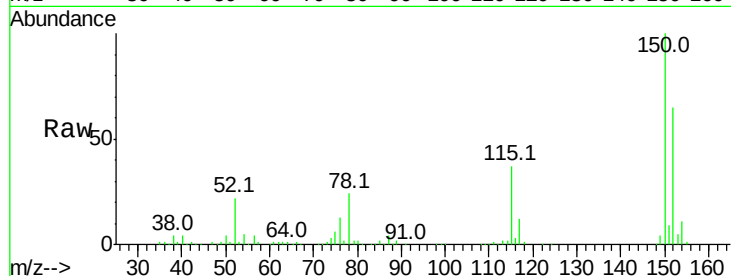
Tot Ion:152 Resp: 170145

Ion Ratio Lower Upper

152 100

150 154.6 124.9 187.3

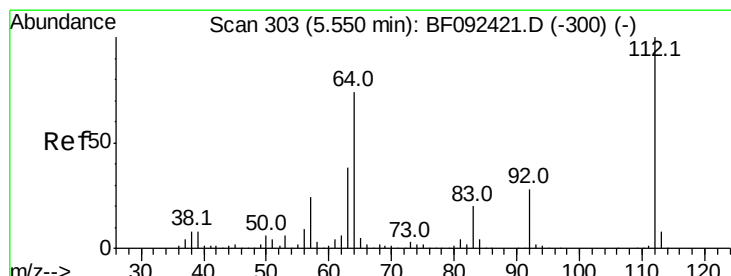
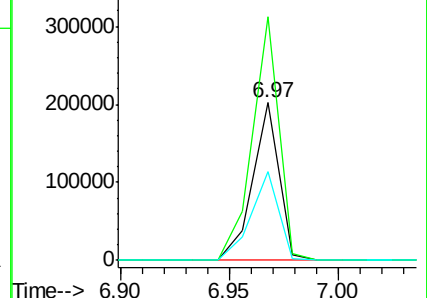
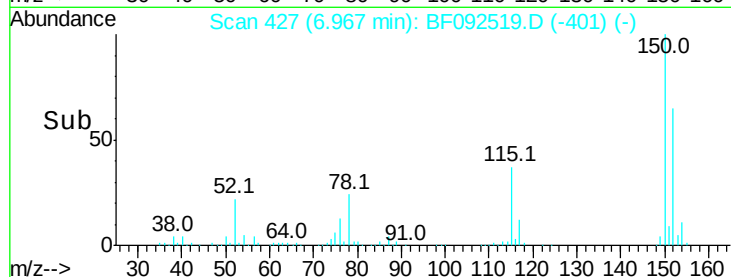
115 56.5 46.0 69.0



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: 86.48 ng

RT: 5.56 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF092519.D

Acq: 26 Jan 2017 12:15

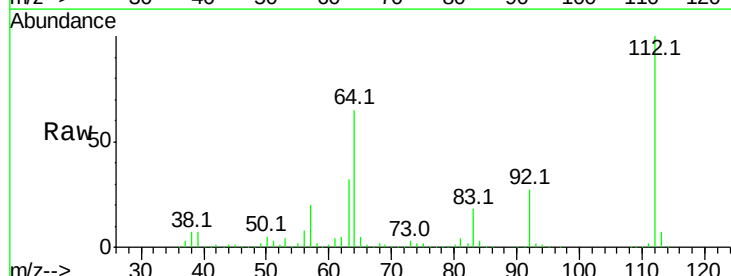
Tgt Ion:112 Resp: 945723

Ion Ratio Lower Upper

112 100

64 64.6 46.1 69.1

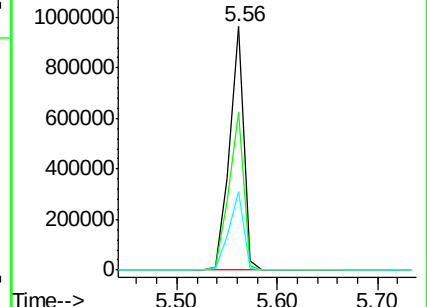
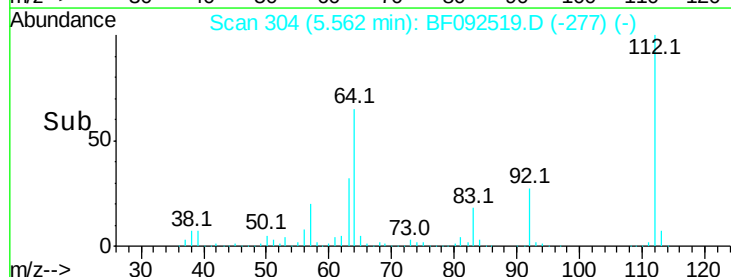
63 32.1 23.8 35.6

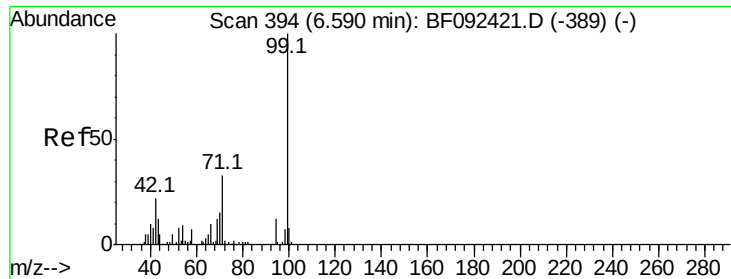


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 92.87 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF092519.D

Acq: 26 Jan 2017 12:15

Instrument :

BNA_F

ClientSampleId :

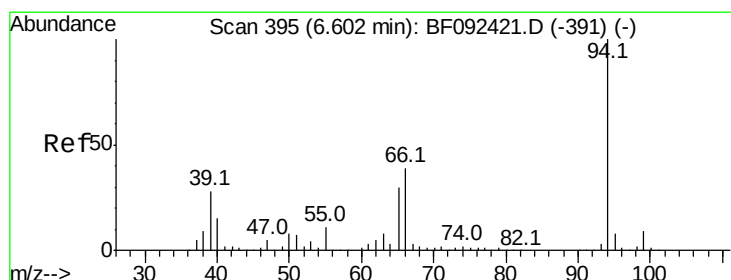
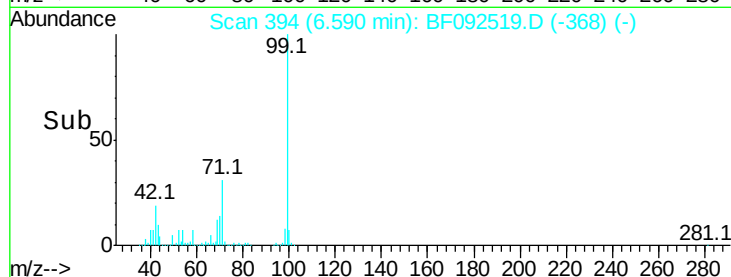
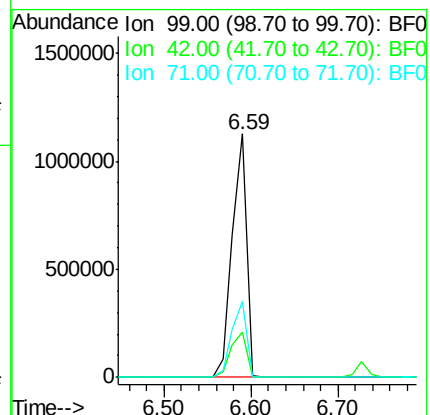
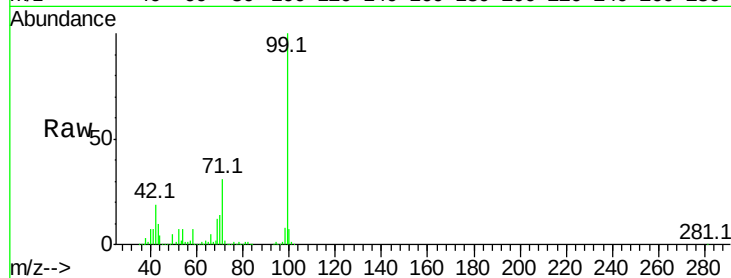
Tot Ion: 99 Resp: 1293625

Ion Ratio Lower Upper

99 100

42 18.8 15.6 23.4

71 31.3 27.5 41.3



#10

Phenol

Concen: 3.20 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF092519.D

Acq: 26 Jan 2017 12:15

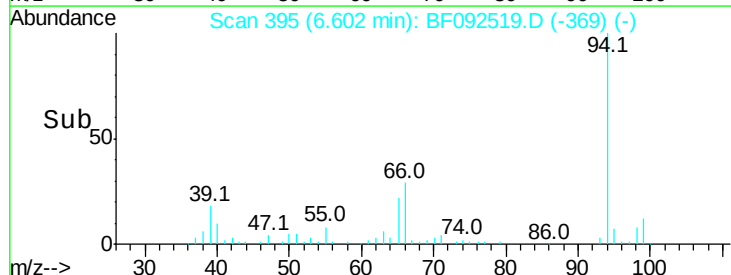
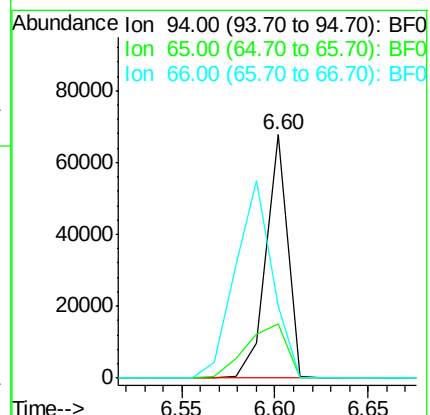
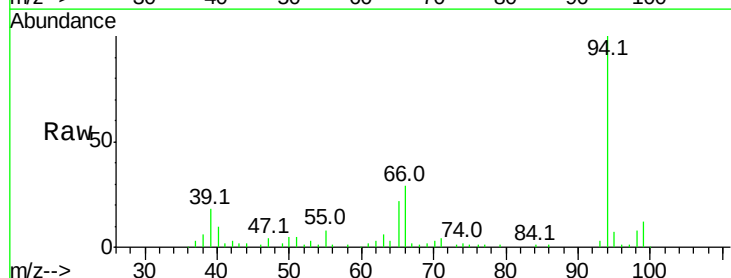
Tgt Ion: 94 Resp: 53781

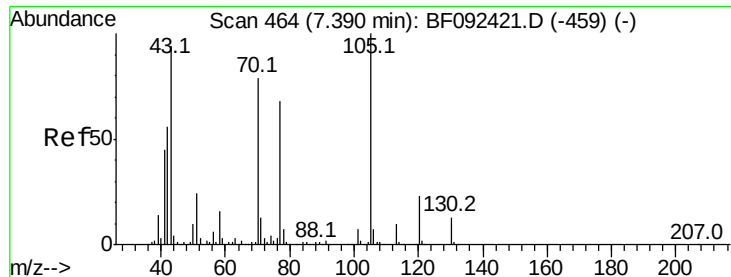
Ion Ratio Lower Upper

94 100

65 22.1 21.4 61.4

66 29.5 44.0 84.0#





#19

n-Nitroso-di-n-propylamine

Concen: 9.26 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.14 min

Lab File: BF092519.D

Acq: 26 Jan 2017 12:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 87860

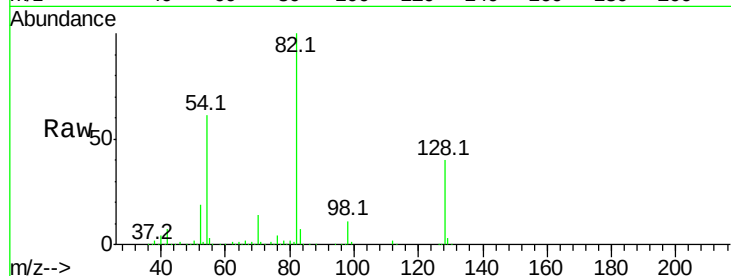
Ion Ratio Lower Upper

70 100

42 55.0 49.4 74.0

101 0.0 7.4 11.2#

130 1.8 14.2 21.4#

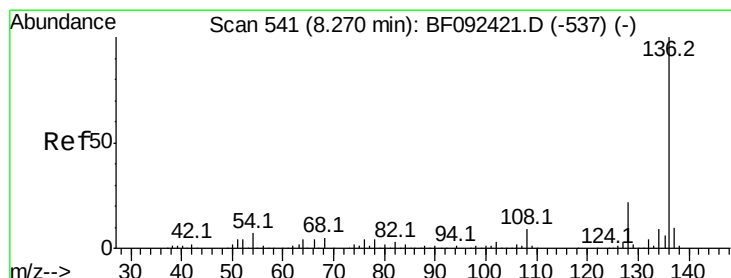
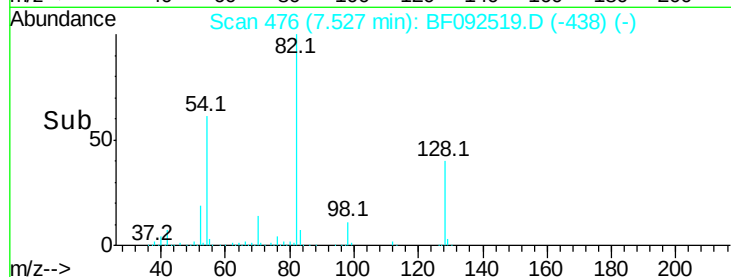
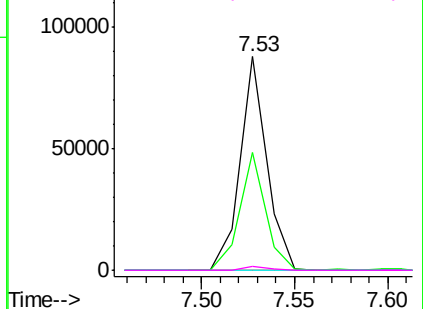


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092519.D

Acq: 26 Jan 2017 12:15

Tgt Ion:136 Resp: 681563

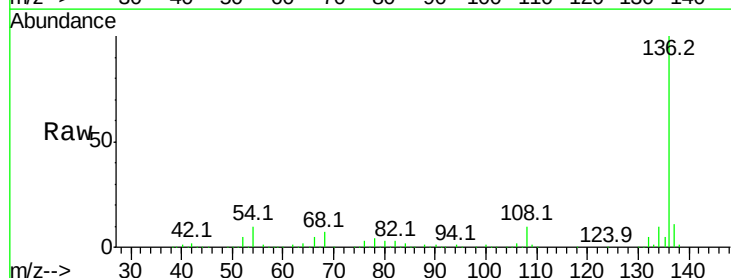
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 9.5 4.5 6.7#

68 6.8 3.6 5.4#

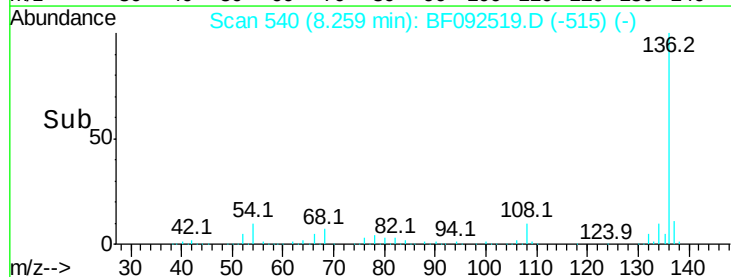
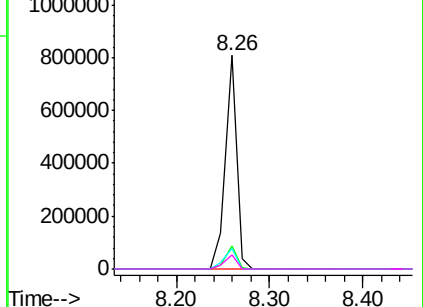


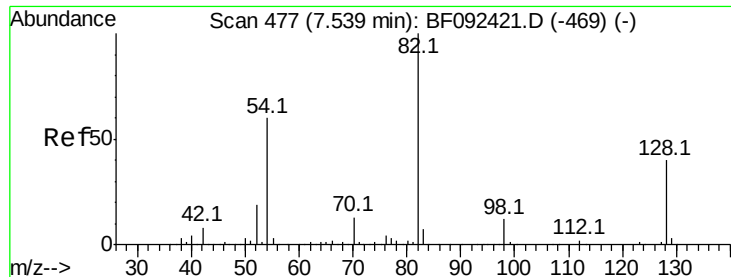
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

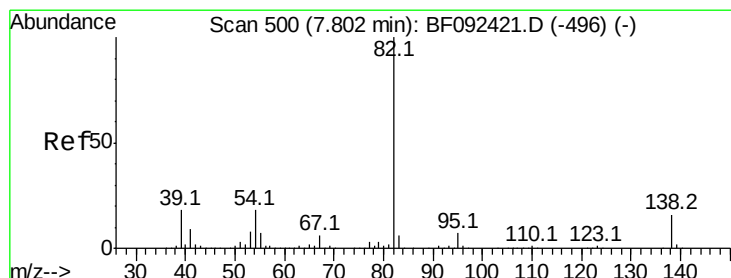
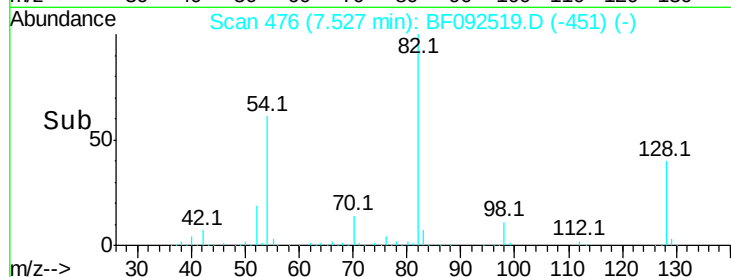
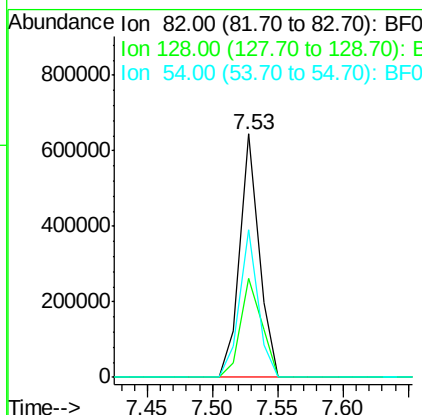
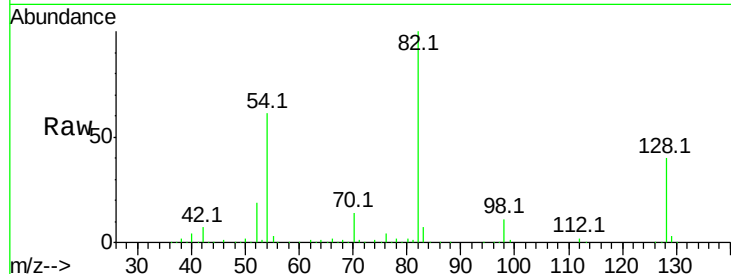




#23
 Nitrobenzene-d5
 Concen: 53.43 ng
 RT: 7.53 min Scan# 476
 Delta R.T. -0.01 min
 Lab File: BF092519.D
 Acq: 26 Jan 2017 12:15

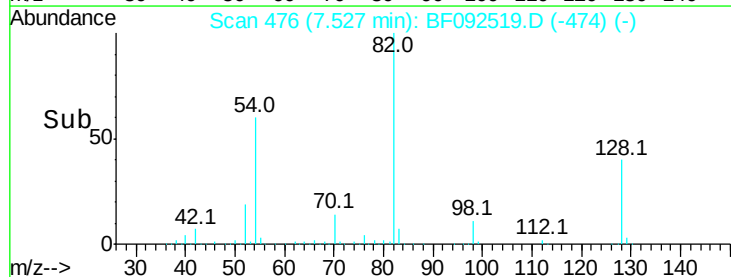
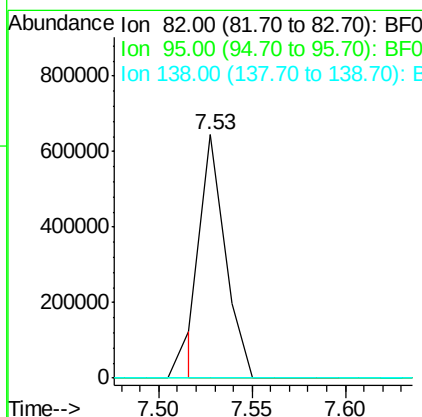
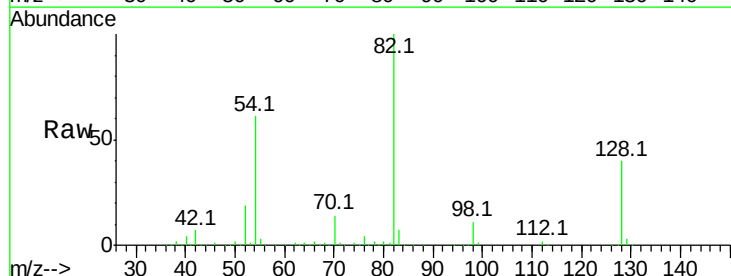
Instrument :
 BNA_F
 ClientSampleId :

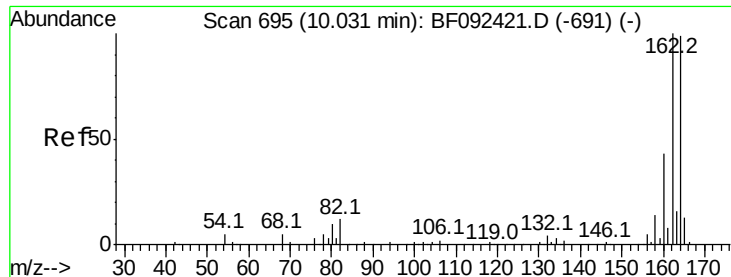
Tot Ion	82	Resp	666604
Ion Ratio	Lower	Upper	
82	100		
128	40.4	34.6	52.0
54	60.6	39.5	59.3#



#25
 Isophorone
 Concen: 23.53 ng
 RT: 7.53 min Scan# 476
 Delta R.T. -0.27 min
 Lab File: BF092519.D
 Acq: 26 Jan 2017 12:15

Tgt Ion	82	Resp	578466
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#

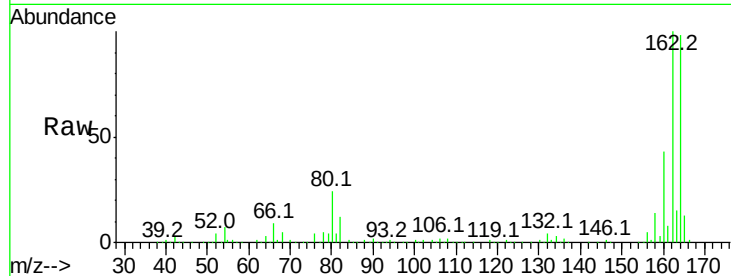




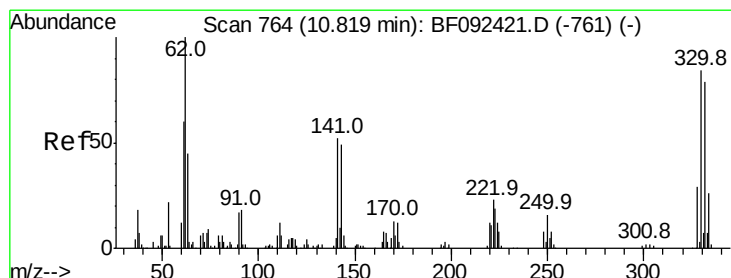
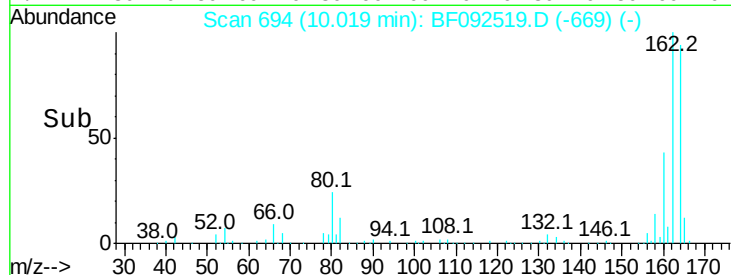
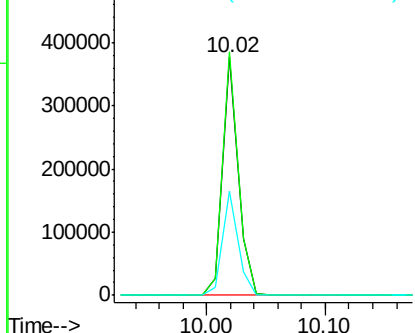
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF092519.D
Acq: 26 Jan 2017 12:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 340948
Ion Ratio Lower Upper
164 100
162 102.3 80.2 120.2
160 43.9 36.9 55.3

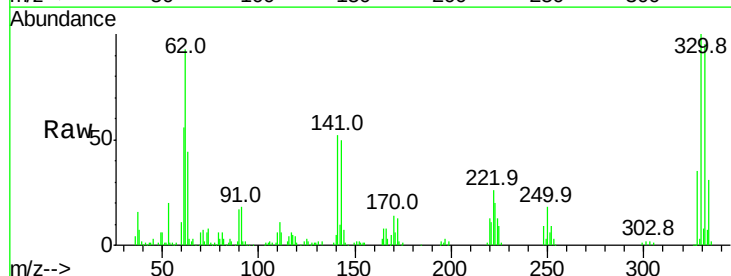


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

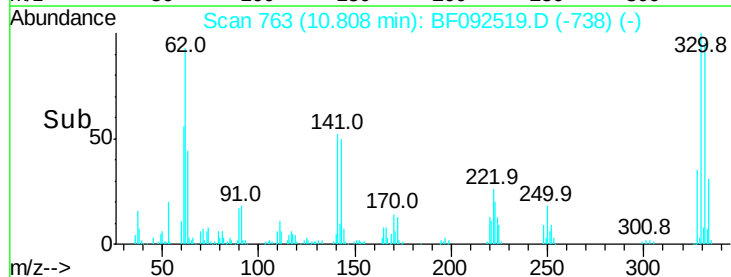
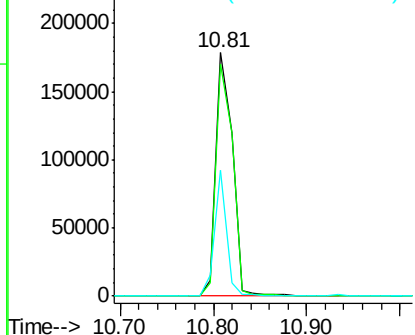


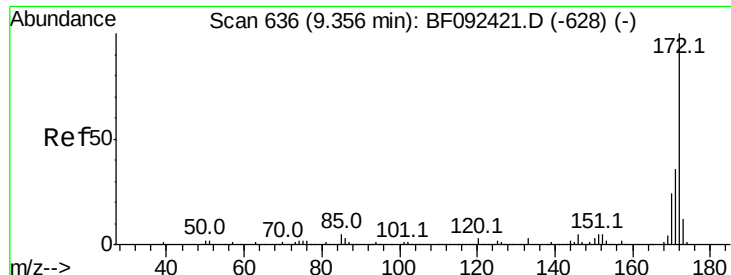
#41
2,4,6-Tribromophenol
Concen: 94.41 ng
RT: 10.81 min Scan# 763
Delta R.T. -0.01 min
Lab File: BF092519.D
Acq: 26 Jan 2017 12:15

Tgt Ion:330 Resp: 219353
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.2
141 38.0 34.1 51.1



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

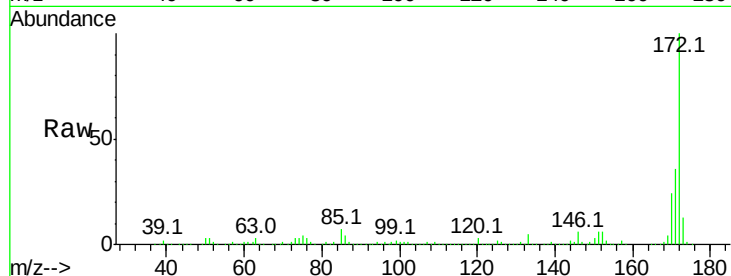




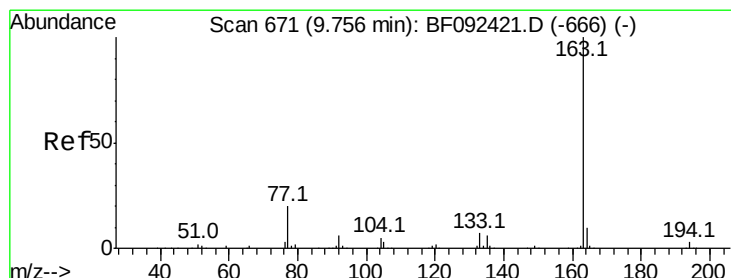
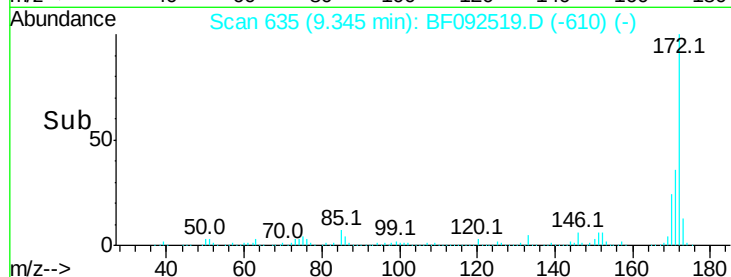
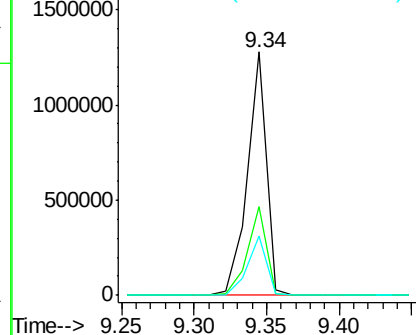
#44
2-Fluorobiphenyl
Concen: 63.25 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF092519.D
Acq: 26 Jan 2017 12:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1166147
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 24.1 20.2 30.4

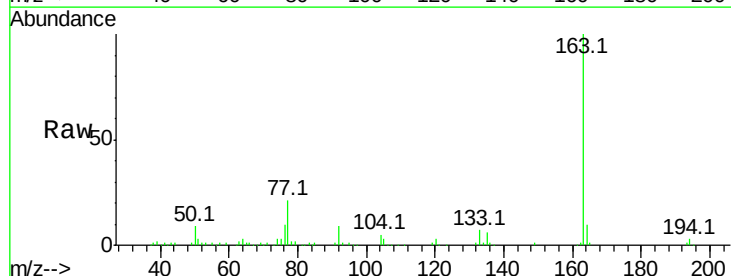


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

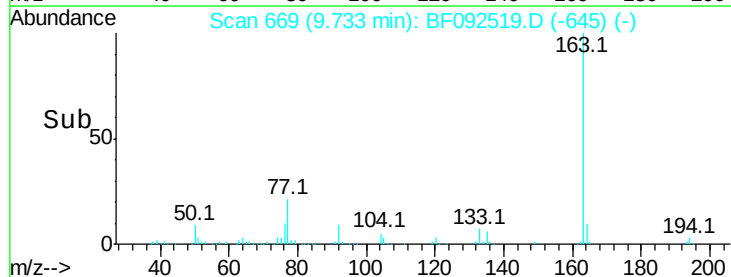
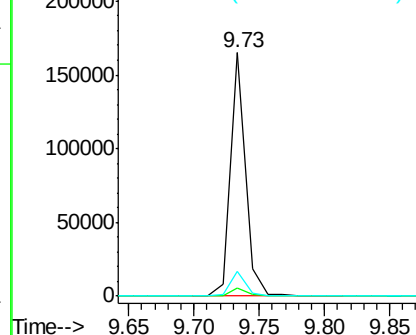


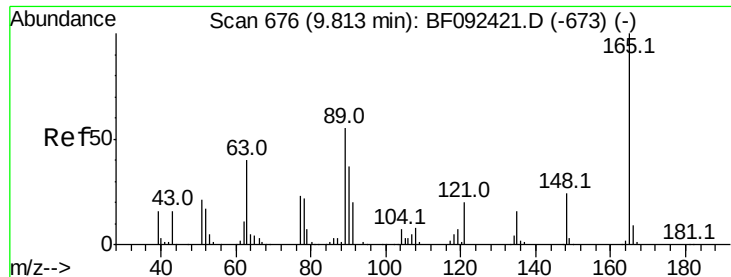
#49
Dimethylphthalate
Concen: 6.16 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF092519.D
Acq: 26 Jan 2017 12:15

Tgt Ion:163 Resp: 133565
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 10.3 8.0 12.0



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

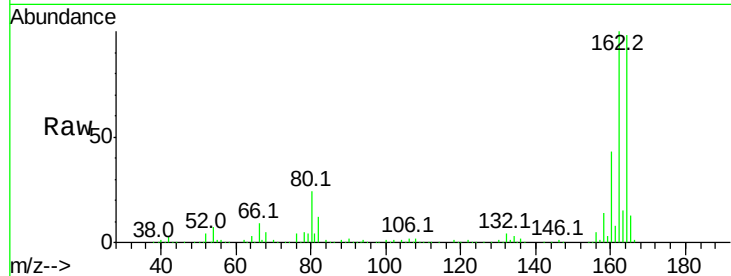




#50
 2,6-Dinitrotoluene
 Concen: 10.03 ng
 RT: 10.02 min Scan# 694
 Delta R.T. 0.21 min
 Lab File: BF092519.D
 Acq: 26 Jan 2017 12:15

Instrument :
 BNA_F
 ClientSampleId :

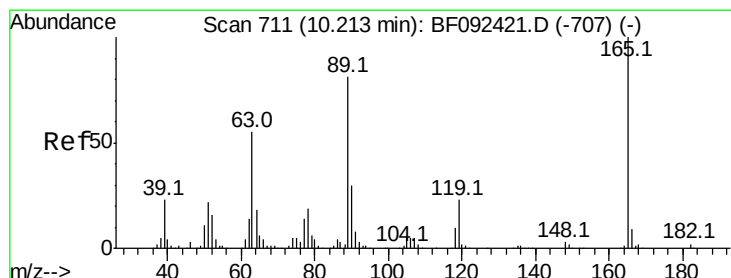
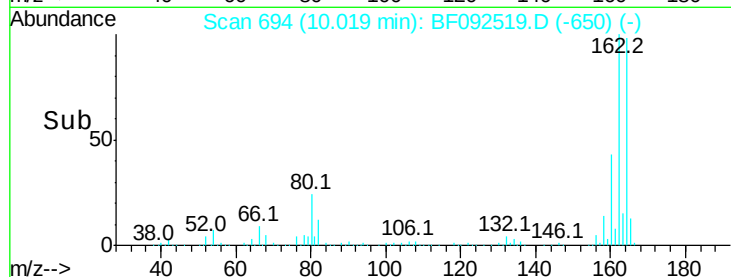
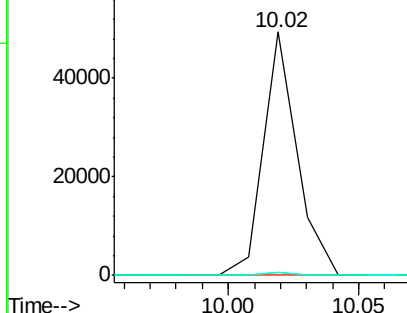
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.2	54.4#
89	1.0	40.2	60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 7.56 ng
 RT: 10.02 min Scan# 694
 Delta R.T. -0.19 min
 Lab File: BF092519.D
 Acq: 26 Jan 2017 12:15

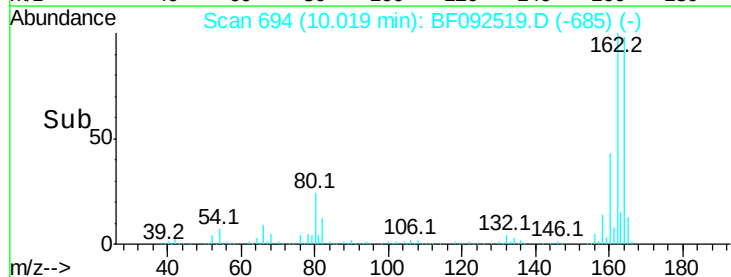
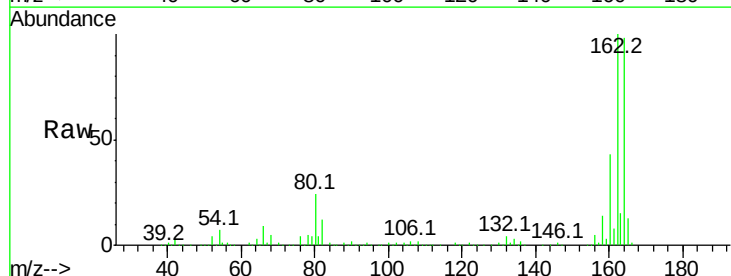
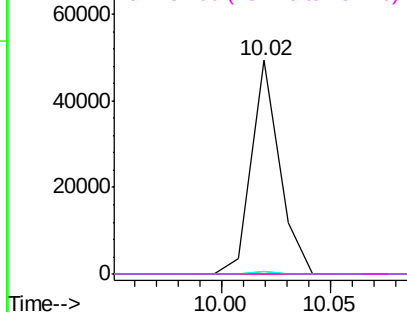
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	40.2	60.4#
89	1.0	62.5	93.7#
182	0.0	1.8	2.8#

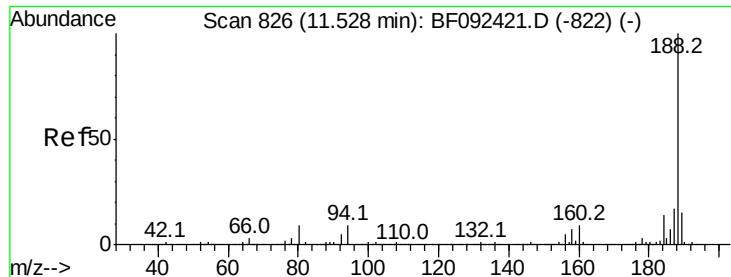
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

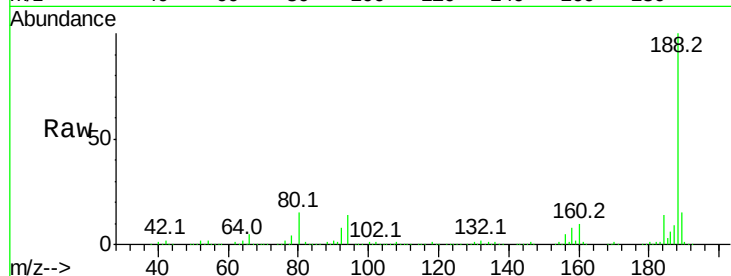




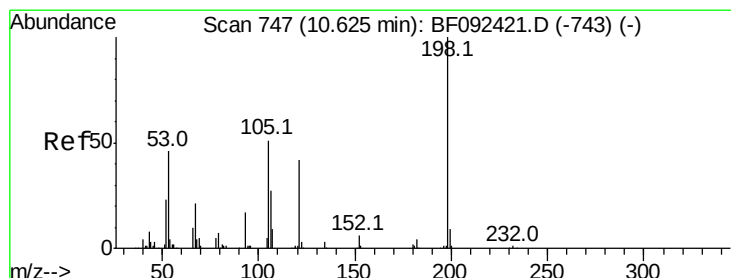
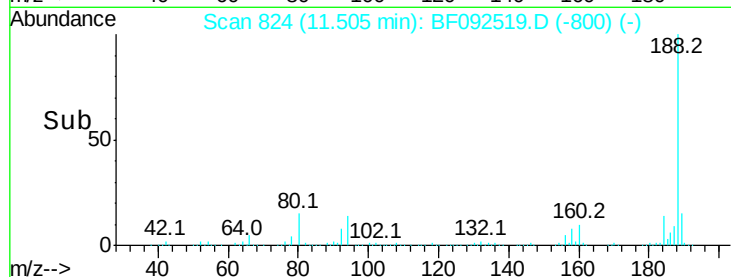
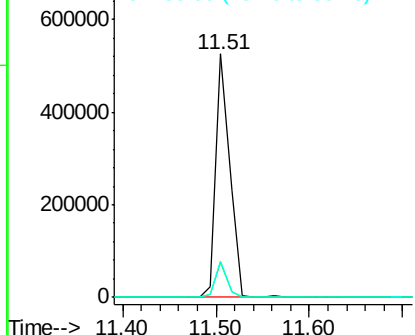
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.51 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF092519.D
Acq: 26 Jan 2017 12:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 542823
Ion Ratio Lower Upper
188 100
94 14.1 10.0 15.0
80 15.1 11.2 16.8

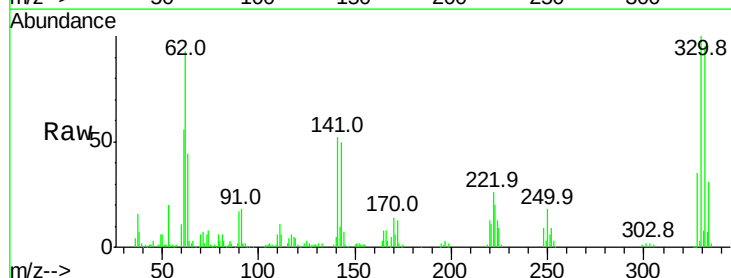


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

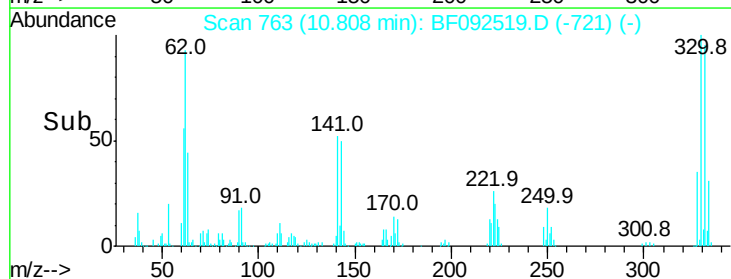
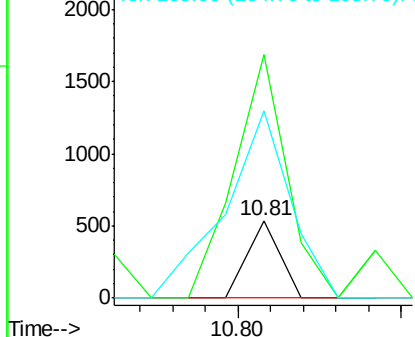


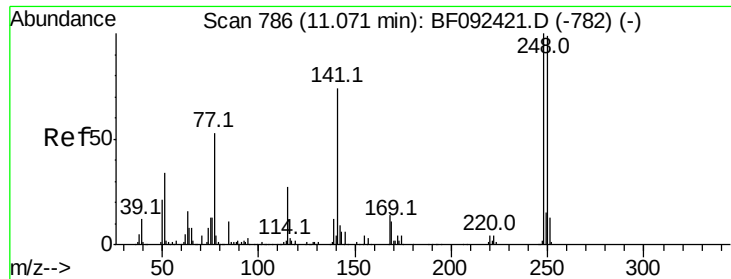
#64
4,6-Dinitro-2-methylphenol
Concen: 5.06 ng
RT: 10.81 min Scan# 763
Delta R.T. 0.18 min
Lab File: BF092519.D
Acq: 26 Jan 2017 12:15

Tgt Ion:198 Resp: 369
Ion Ratio Lower Upper
198 100
51 313.6 6.7 46.7#
105 241.1 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 2.90 ng

RT: 10.81 min Scan# 763

Delta R.T. -0.26 min

Lab File: BF092519.D

Acq: 26 Jan 2017 12:15

Instrument :

BNA_F

ClientSampleId :

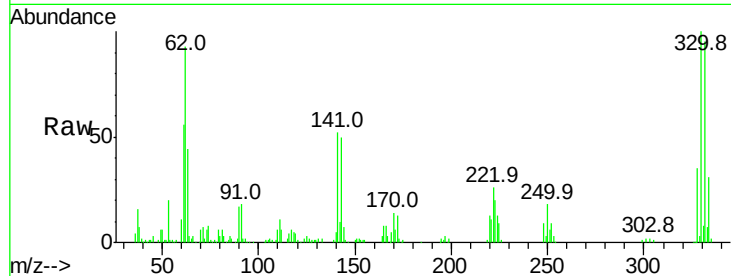
Tot Ion:248 Resp: 15894

Ion Ratio Lower Upper

248 100

250 200.6 76.9 115.3#

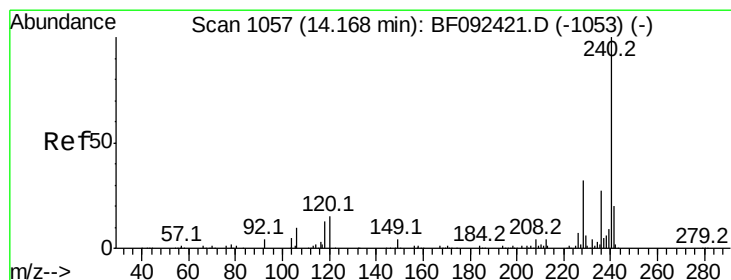
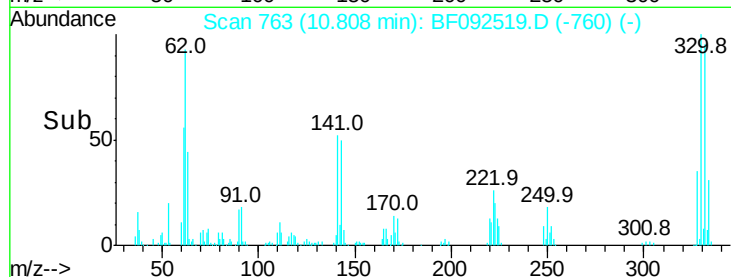
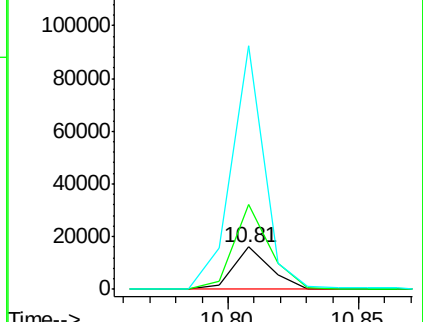
141 571.6 68.2 102.4#



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: 20.00 ng

RT: 14.15 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF092519.D

Acq: 26 Jan 2017 12:15

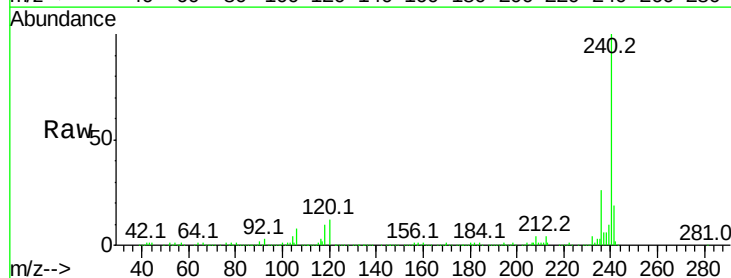
Tgt Ion:240 Resp: 388131

Ion Ratio Lower Upper

240 100

120 12.2 12.9 19.3#

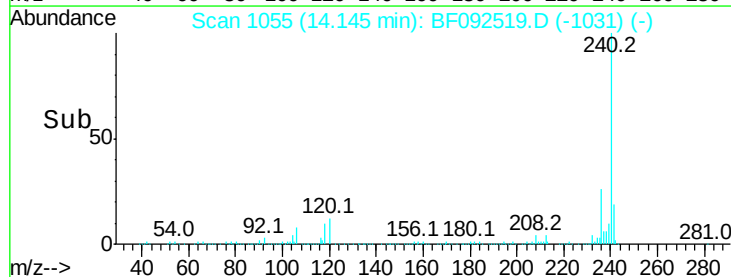
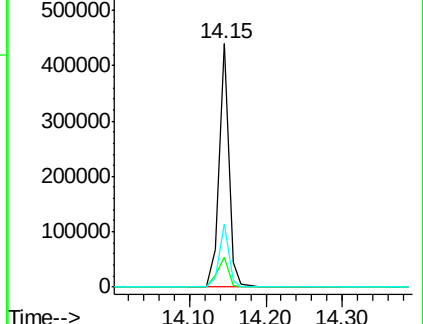
236 25.8 20.9 31.3

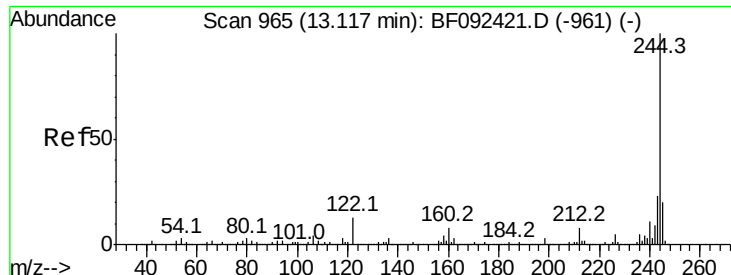


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

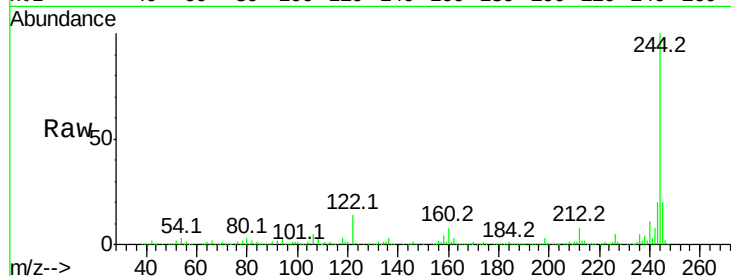




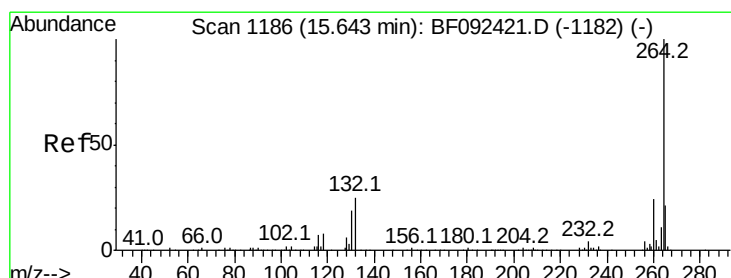
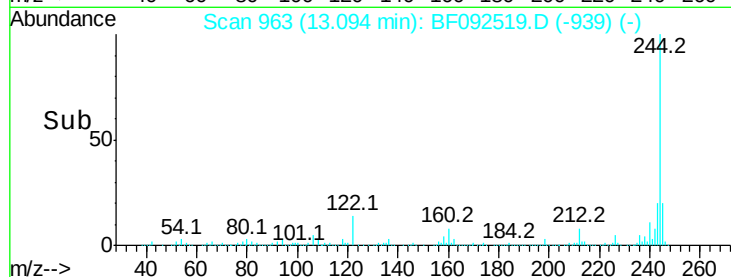
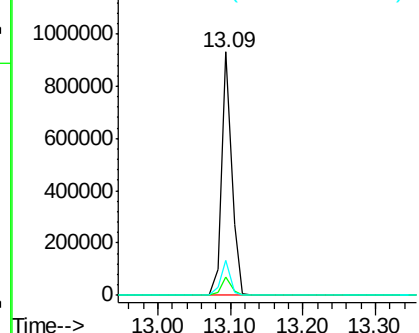
#78
 Terphenyl-d14
 Concen: 61.99 ng
 RT: 13.09 min Scan# 963
 Delta R.T. -0.02 min
 Lab File: BF092519.D
 Acq: 26 Jan 2017 12:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 903533
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 14.4 11.4 17.2

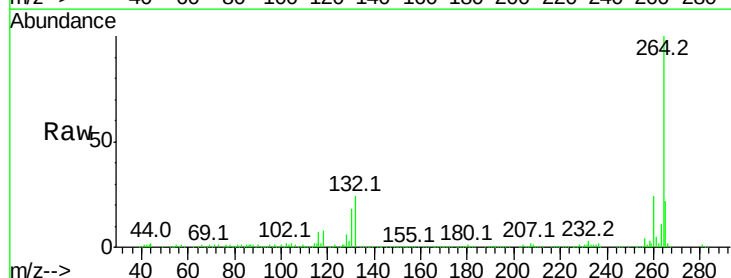


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.62 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF092519.D
 Acq: 26 Jan 2017 12:15

Tgt Ion:264 Resp: 338469
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 22.0 17.4 26.0



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

