

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092511.D
 Acq On : 26 Jan 2017 8:35
 Operator : SJ/MA
 Sample : I1398-08
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 13:26:10 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

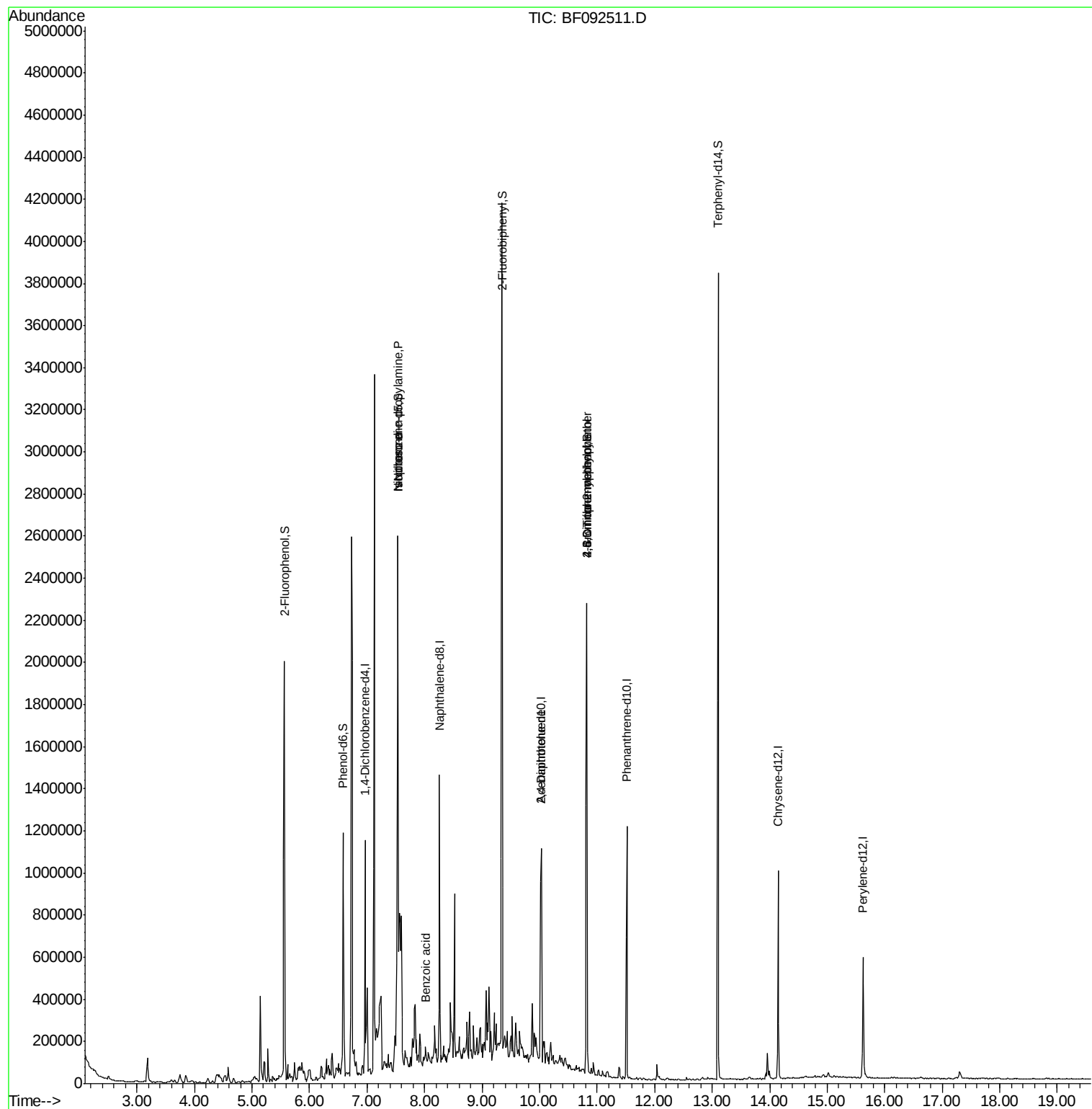
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	146744	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	564843	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	320201	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	524259	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	340695	20.00	ng	-0.02
86) Perylene-d12	15.62	264	308405	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	578285	61.31	ng	0.01
7) Phenol-d6	6.58	99	491025	40.87	ng	-0.01
23) Nitrobenzene-d5	7.54	82	953221	92.18	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	281166	128.85	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1372017	79.23	ng	-0.01
78) Terphenyl-d14	13.11	244	1299584	101.57	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.54	70	146903	17.96	ng	# 80
25) Isophorone	7.54	82	889976	43.68	ng	# 65
32) Benzoic acid	8.02	122	6829	5.57	ng	# 42
56) 2,4-Dinitrotoluene	10.03	165	41194	7.46	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.82	198	758	5.19	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	22512	4.25	ng	# 1

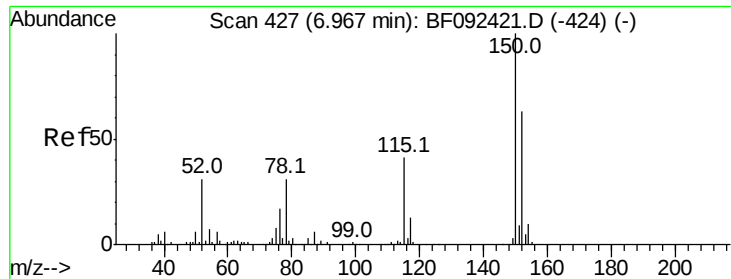
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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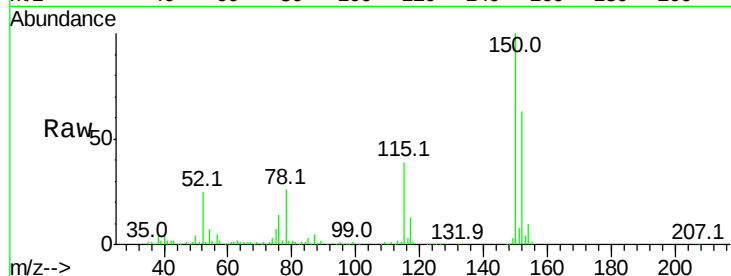


#1

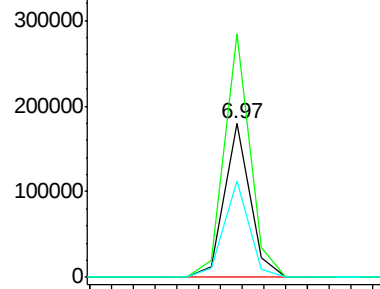
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF092511.D
Acq: 26 Jan 2017 8:35

Instrument :
BNA_F
ClientSampleId :

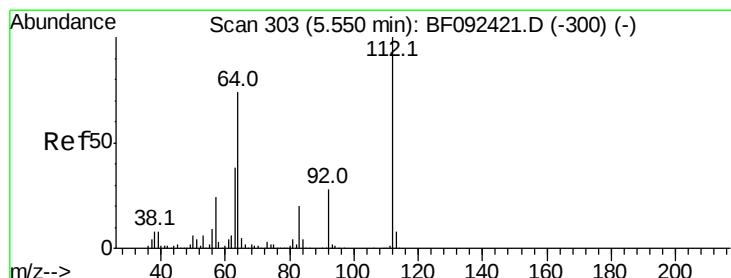
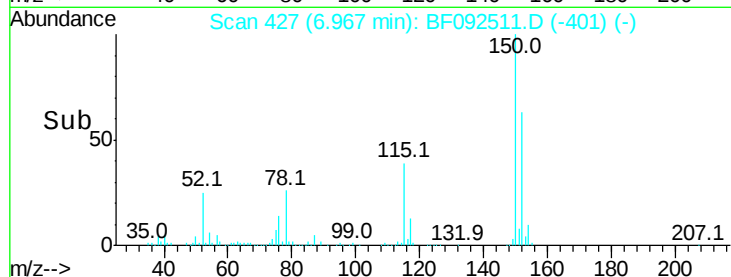
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.9	187.3
115	62.6	46.0	69.0



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



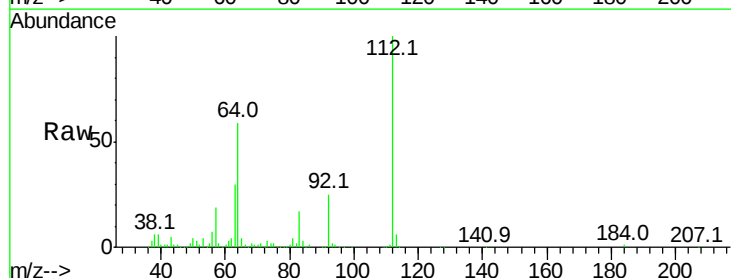
Time--> 6.90 6.95 7.00



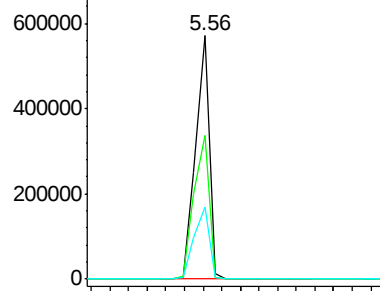
#5

2-Fluorophenol
Concen: 61.31 ng
RT: 5.56 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF092511.D
Acq: 26 Jan 2017 8:35

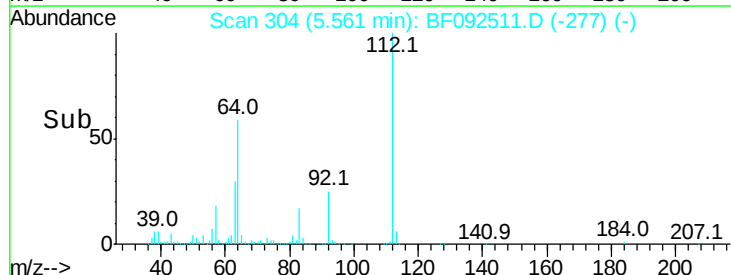
Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	46.1	69.1
63	29.6	23.8	35.6

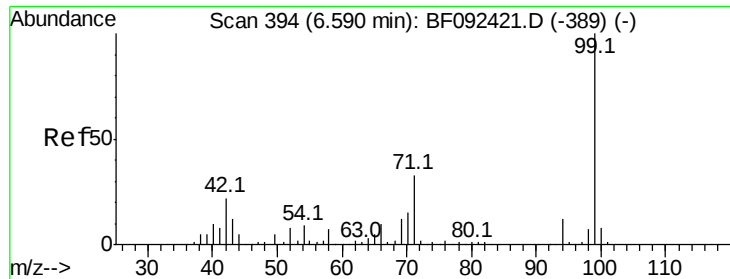


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0



Time--> 5.50 5.60 5.70





#7

Phenol-d6

Concen: 40.87 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF092511.D

Acq: 26 Jan 2017 8:35

Instrument :

BNA_F

ClientSampled :

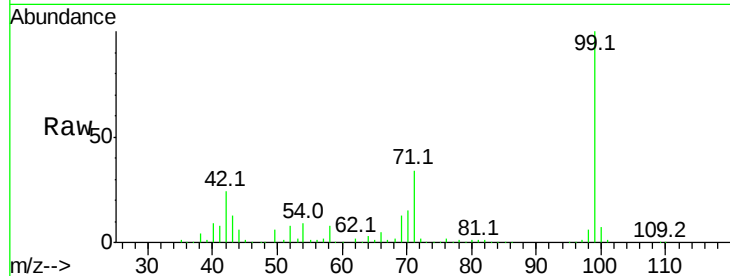
Tot Ion: 99 Resp: 491025

Ion Ratio Lower Upper

99 100

42 24.1 15.6 23.4#

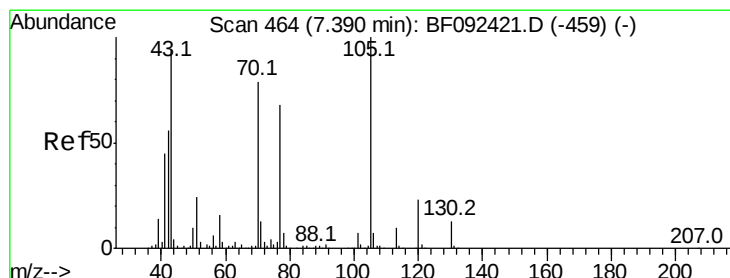
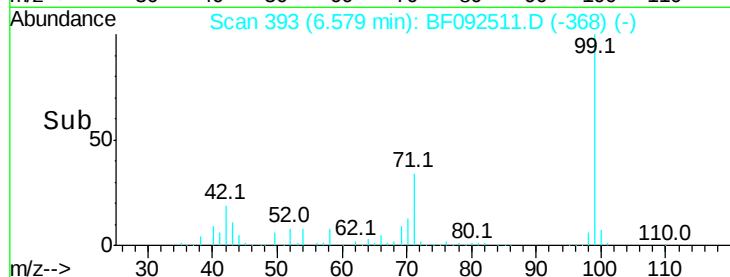
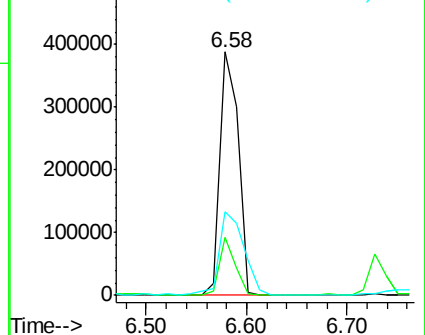
71 34.4 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 17.96 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF092511.D

Acq: 26 Jan 2017 8:35

Tgt Ion: 70 Resp: 146903

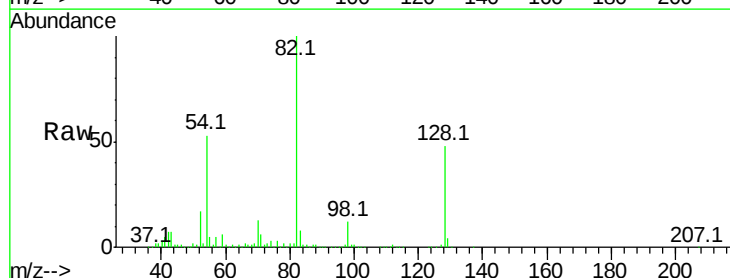
Ion Ratio Lower Upper

70 100

42 49.4 49.4 74.0

101 2.1 7.4 11.2#

130 2.3 14.2 21.4#

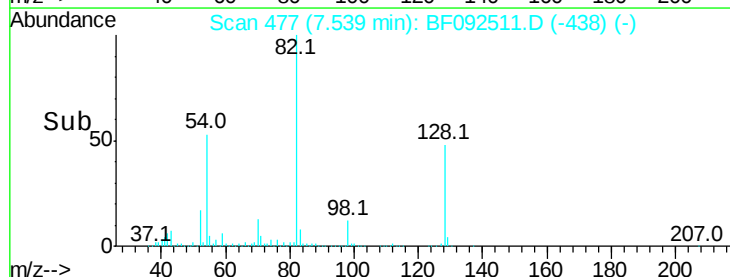
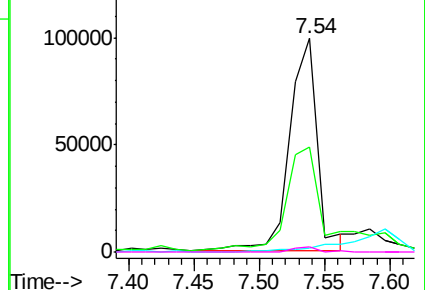


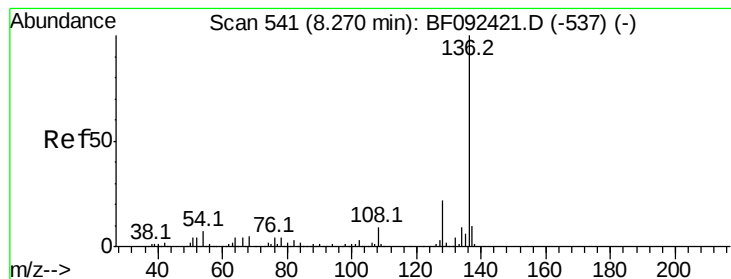
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF092511.D

Acq: 26 Jan 2017 8:35

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 564843

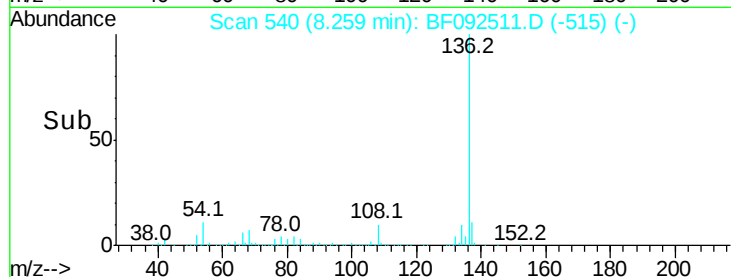
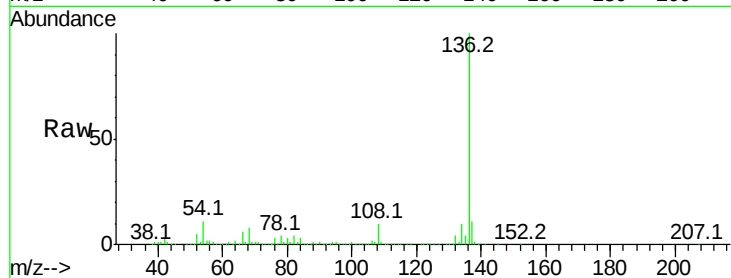
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 11.2 4.5 6.7#

68 7.6 3.6 5.4#

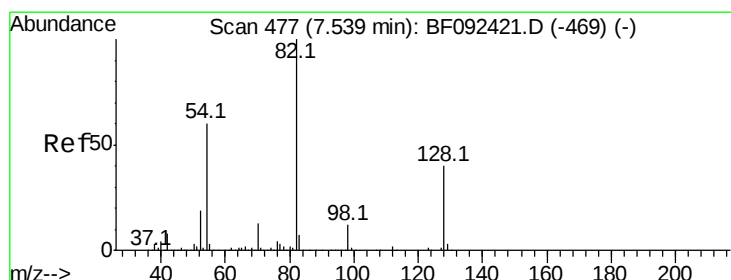
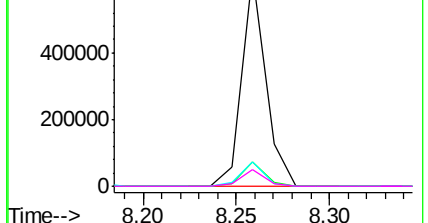


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 92.18 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.00 min

Lab File: BF092511.D

Acq: 26 Jan 2017 8:35

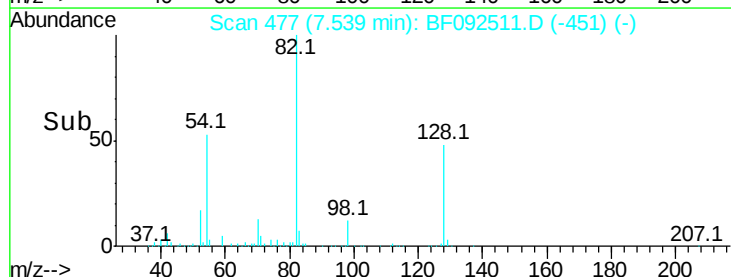
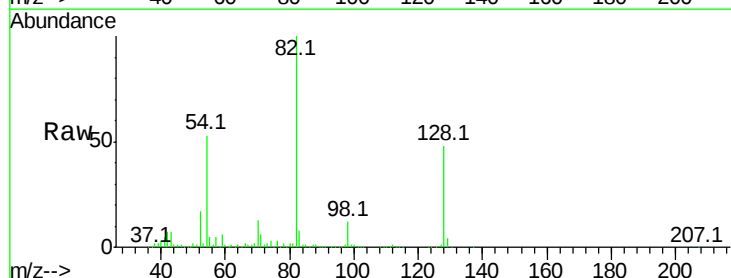
Tgt Ion: 82 Resp: 953221

Ion Ratio Lower Upper

82 100

128 48.0 34.6 52.0

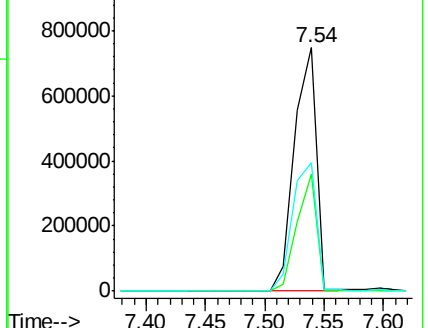
54 52.6 39.5 59.3

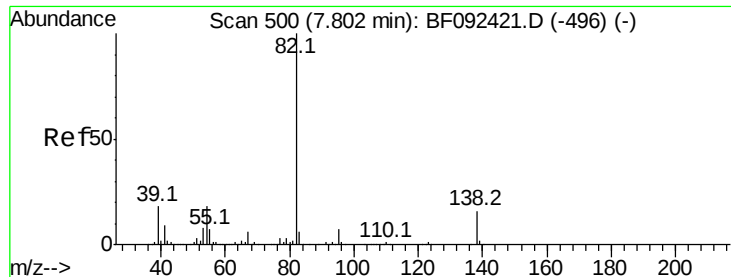


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 43.68 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.26 min

Lab File: BF092511.D

Acq: 26 Jan 2017 8:35

Instrument :

BNA_F

ClientSampleId :

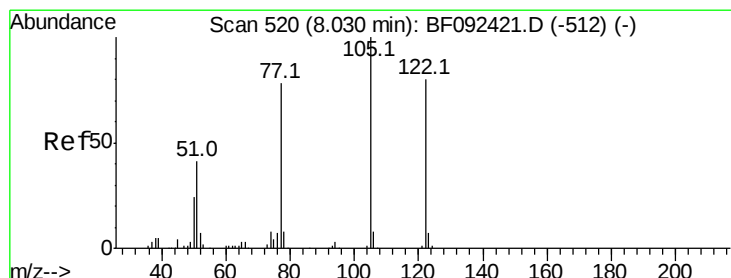
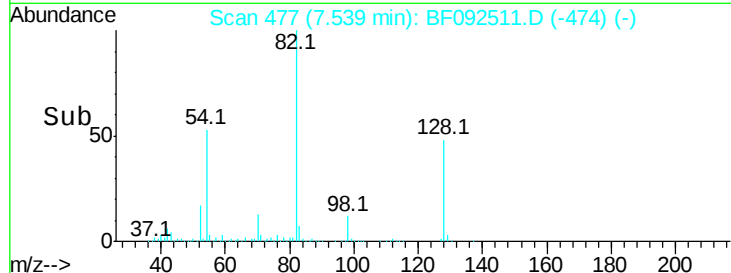
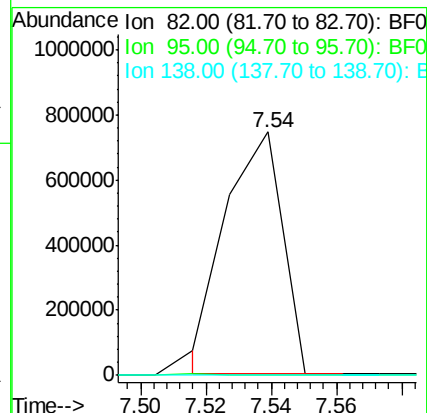
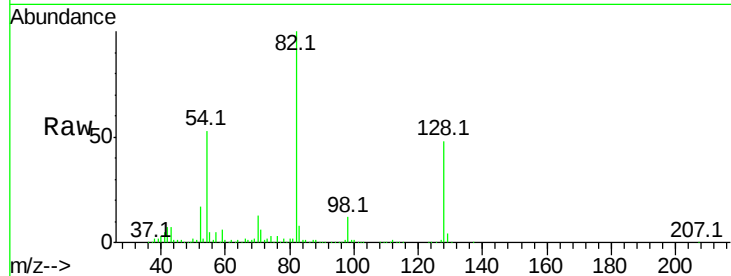
Tot Ion: 82 Resp: 889976

Ion Ratio Lower Upper

82 100

95 0.2 5.6 8.4#

138 0.0 14.6 22.0#



#32

Benzoic acid

Concen: 5.57 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF092511.D

Acq: 26 Jan 2017 8:35

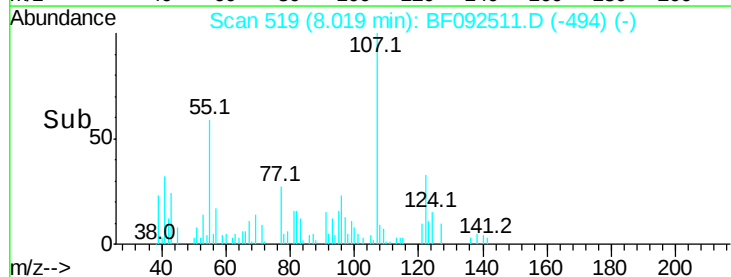
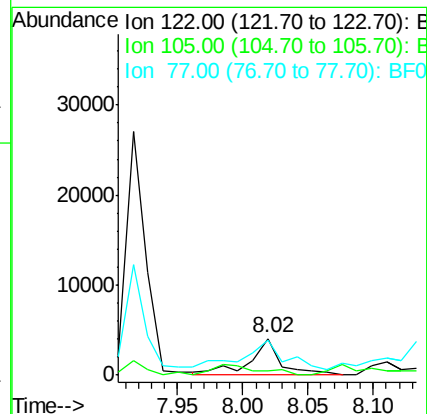
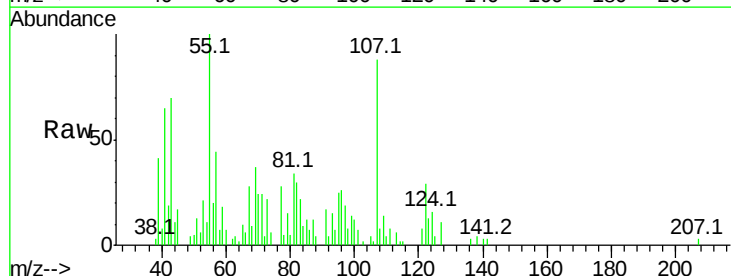
Tgt Ion: 122 Resp: 6829

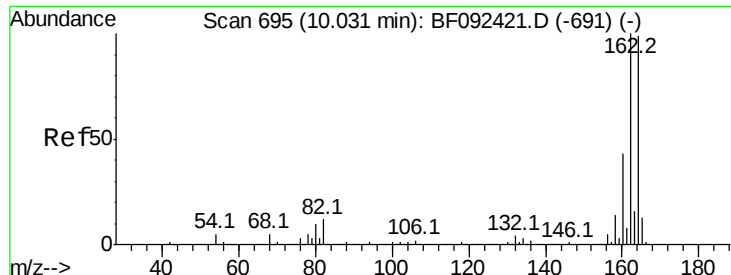
Ion Ratio Lower Upper

122 100

105 12.3 107.2 147.2#

77 96.5 74.5 114.5

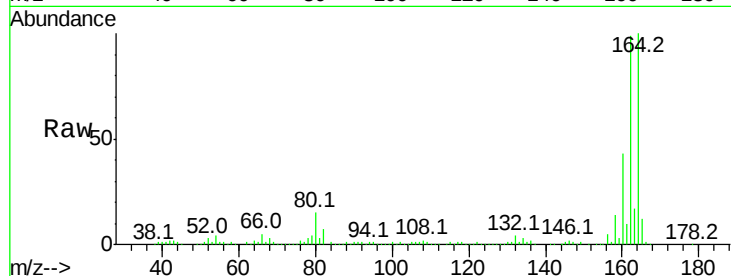




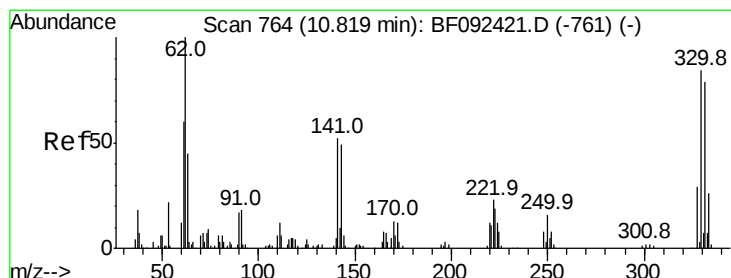
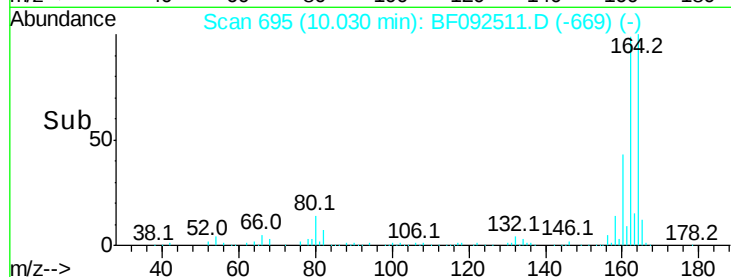
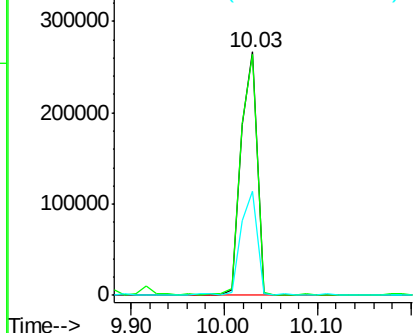
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.03 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: BF092511.D
 Acq: 26 Jan 2017 8:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 320201
 Ion Ratio Lower Upper
 164 100
 162 99.0 80.2 120.2
 160 42.9 36.9 55.3

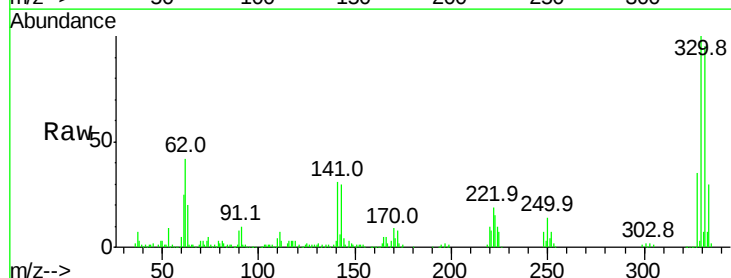


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

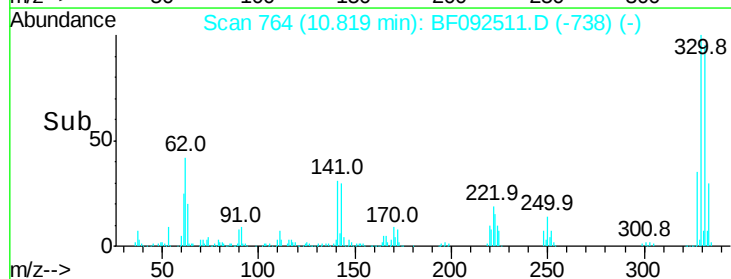
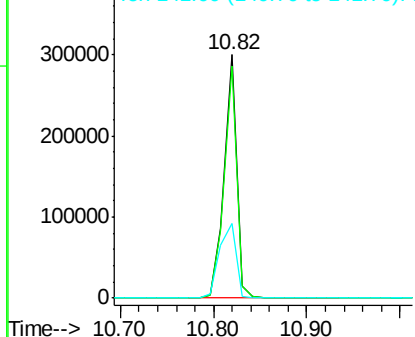


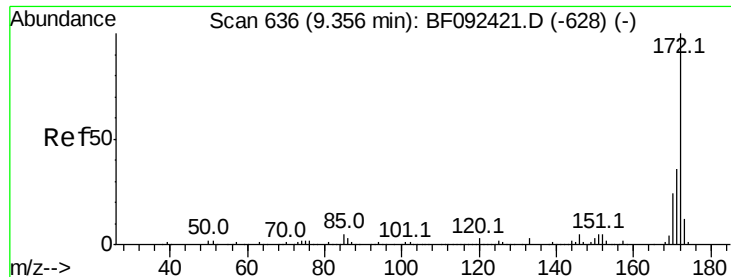
#41
 2,4,6-Tribromophenol
 Concen: 128.85 ng
 RT: 10.82 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BF092511.D
 Acq: 26 Jan 2017 8:35

Tgt Ion:330 Resp: 281166
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.4 116.2
 141 40.5 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



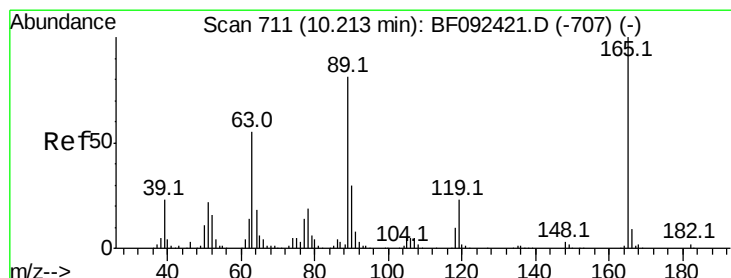
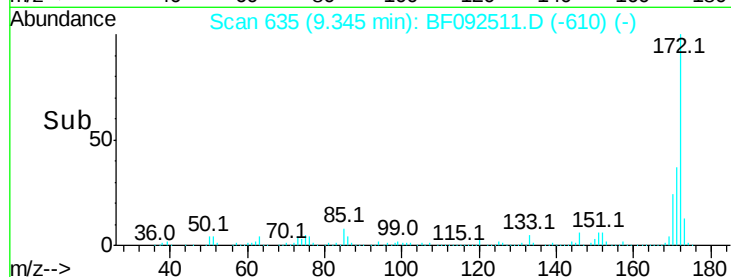
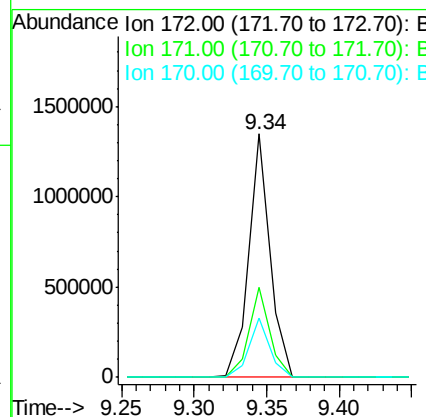
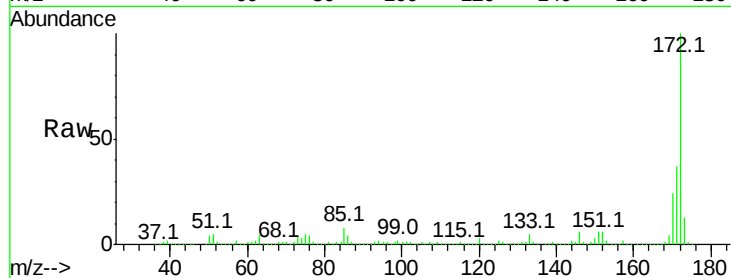


#44
 2-Fluorobiphenyl
 Concen: 79.23 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092511.D
 Acq: 26 Jan 2017 8:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1372017

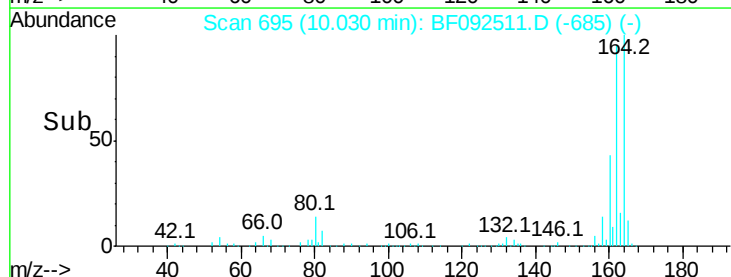
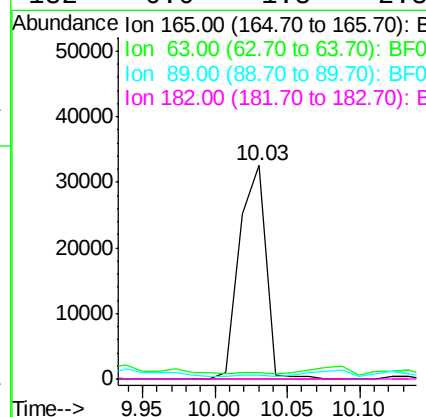
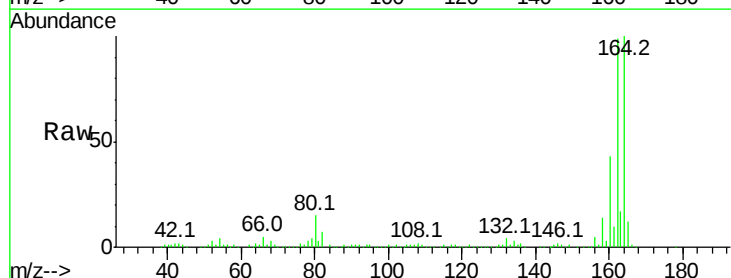
Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.4	44.0
170	24.3	20.2	30.4

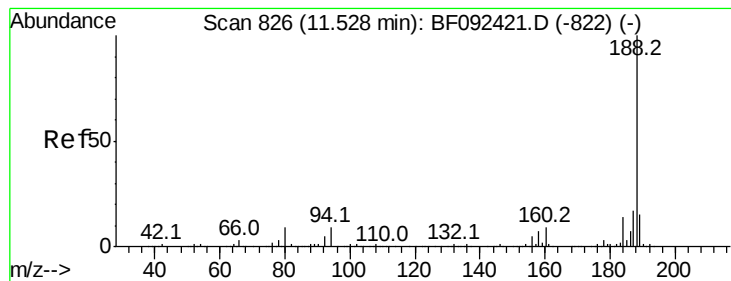


#56
 2,4-Dinitrotoluene
 Concen: 7.46 ng
 RT: 10.03 min Scan# 695
 Delta R.T. -0.18 min
 Lab File: BF092511.D
 Acq: 26 Jan 2017 8:35

Tgt Ion:165 Resp: 41194

Ion	Ratio	Lower	Upper
165	100		
63	2.9	40.2	60.4#
89	1.6	62.5	93.7#
182	0.0	1.8	2.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF092511.D

Acq: 26 Jan 2017 8:35

Instrument :

BNA_F

ClientSampleId :

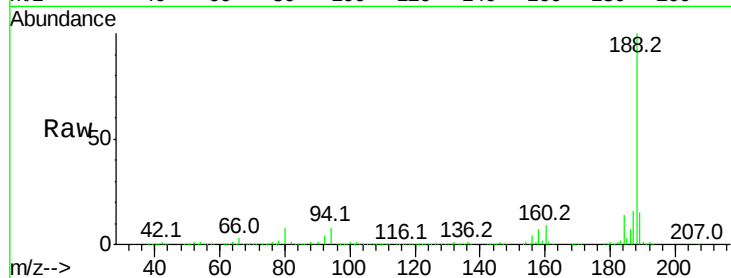
Tot Ion:188 Resp: 524259

Ion Ratio Lower Upper

188 100

94 8.3 10.0 15.0#

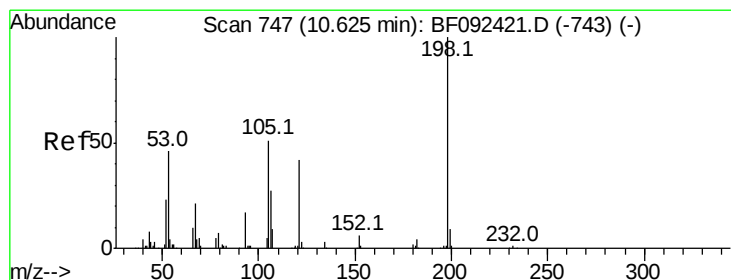
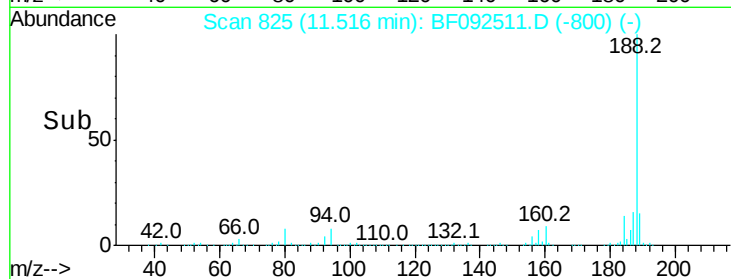
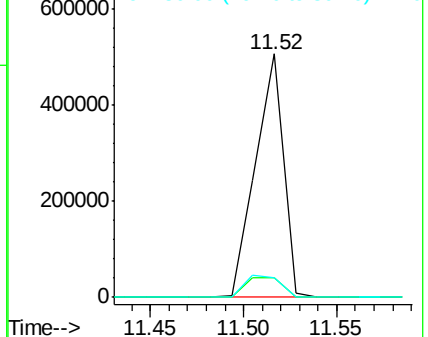
80 8.2 11.2 16.8#



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: 5.19 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.20 min

Lab File: BF092511.D

Acq: 26 Jan 2017 8:35

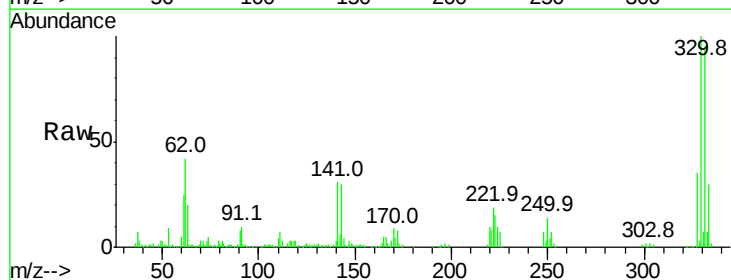
Tgt Ion:198 Resp: 758

Ion Ratio Lower Upper

198 100

51 434.4 6.7 46.7#

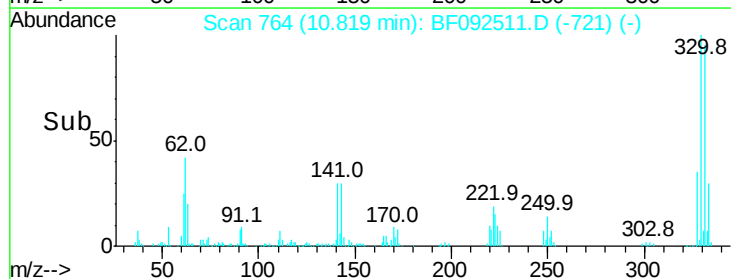
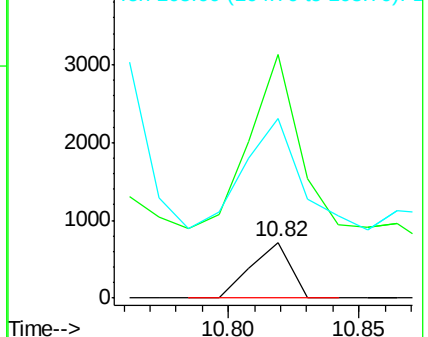
105 321.1 16.6 56.6#

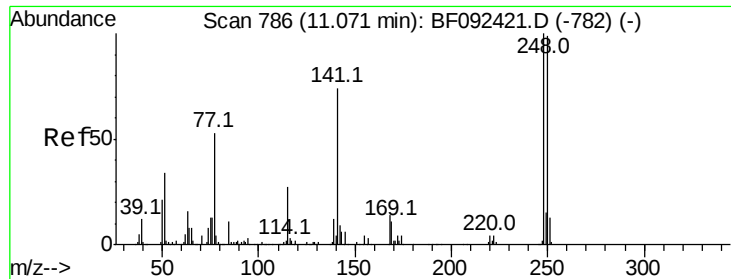


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

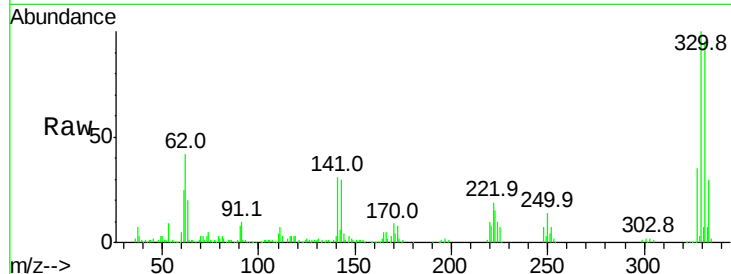




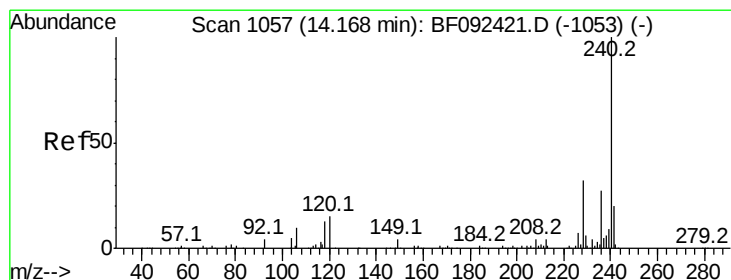
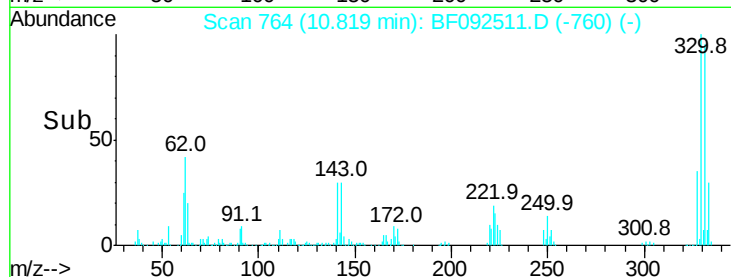
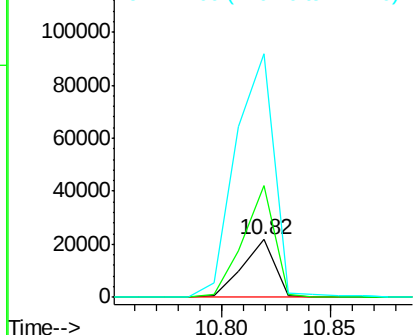
#66
 4-Bromophenyl-phenylether
 Concen: 4.25 ng
 RT: 10.82 min Scan# 764
 Delta R.T. -0.25 min
 Lab File: BF092511.D
 Acq: 26 Jan 2017 8:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 22512
 Ion Ratio Lower Upper
 248 100
 250 193.8 76.9 115.3#
 141 421.9 68.2 102.4#

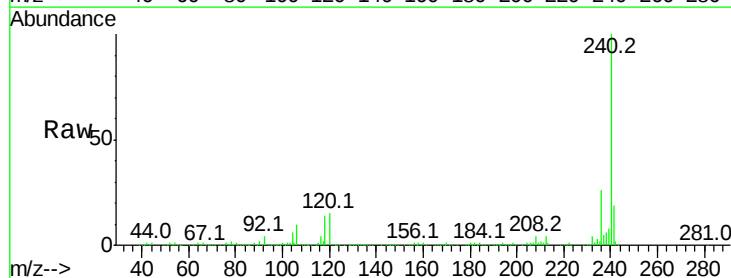


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

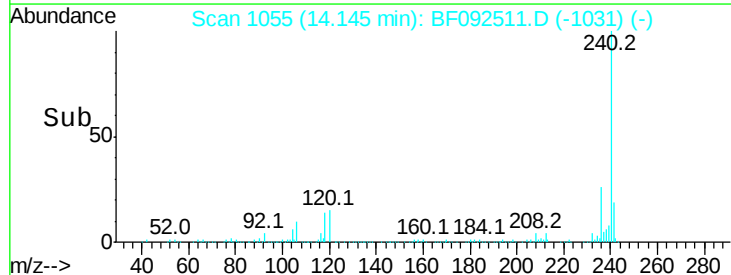
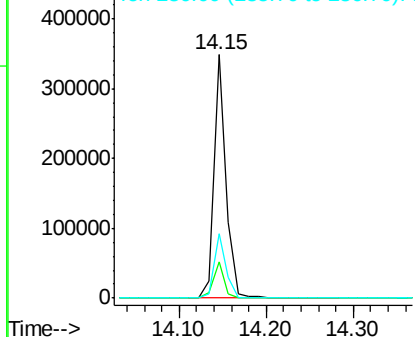


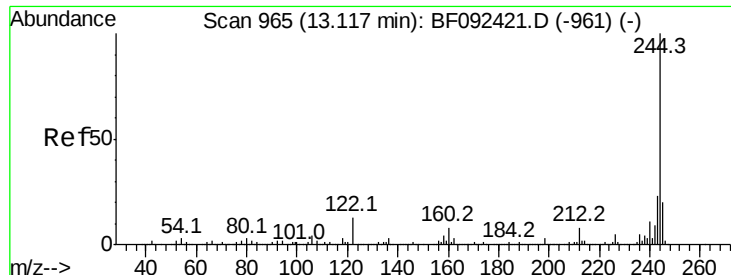
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.15 min Scan# 1055
 Delta R.T. -0.02 min
 Lab File: BF092511.D
 Acq: 26 Jan 2017 8:35

Tgt Ion:240 Resp: 340695
 Ion Ratio Lower Upper
 240 100
 120 15.1 12.9 19.3
 236 26.2 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: 101.57 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092511.D

Acq: 26 Jan 2017 8:35

Instrument :

BNA_F

ClientSampleId :

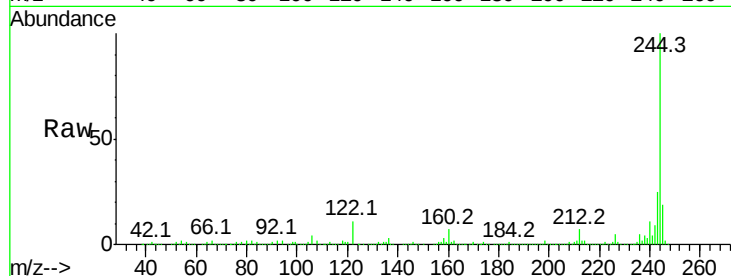
Tot Ion:244 Resp: 1299584

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

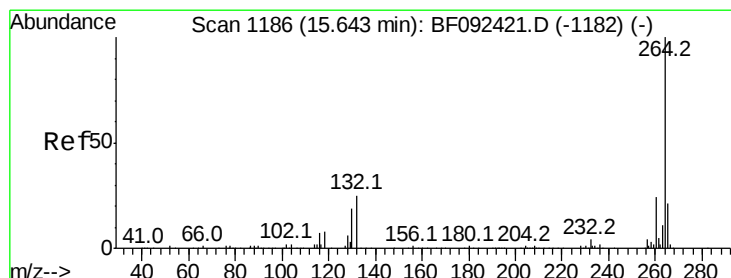
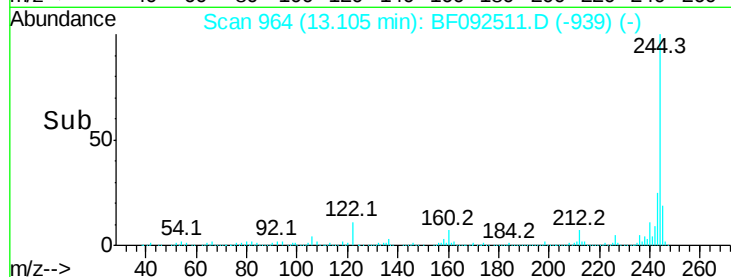
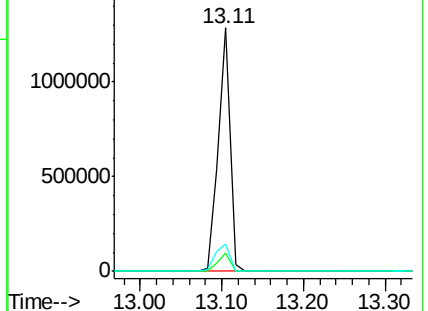
122 11.4 11.4 17.2#



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: BF092511.D

Acq: 26 Jan 2017 8:35

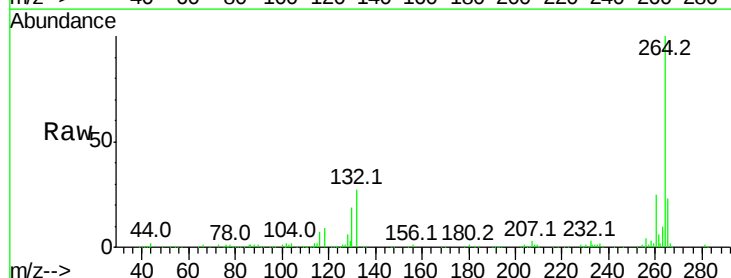
Tgt Ion:264 Resp: 308405

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 22.7 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

