

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092570.D
 Acq On : 27 Jan 2017 12:00
 Operator : SJ/MA
 Sample : I1353-06
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 27 12:30:33 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

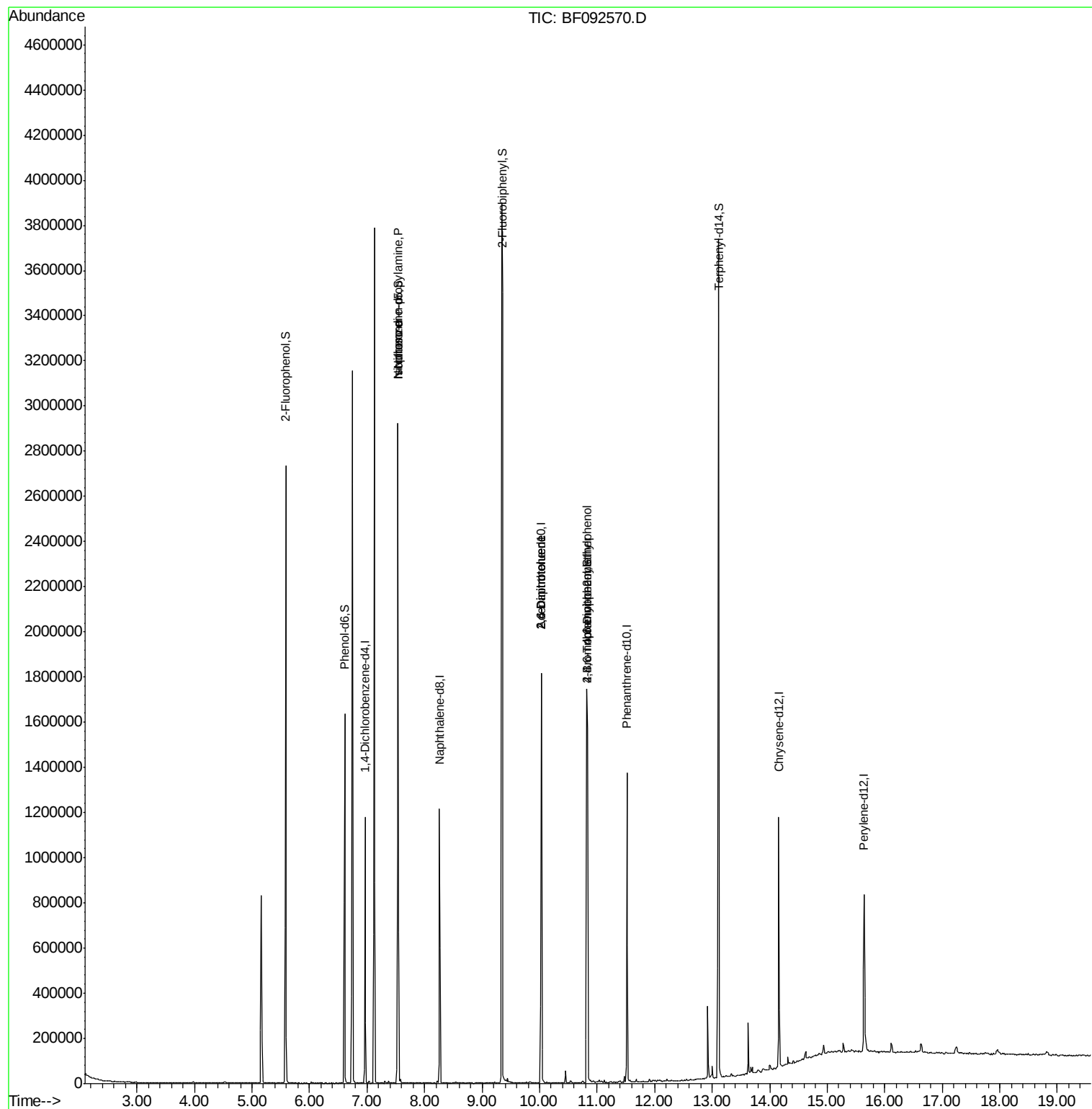
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	168623	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	639995	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	371066	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	557791	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	370728	20.00	ng	-0.01
86) Perylene-d12	15.64	264	337256	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	682469	62.97	ng	0.03
7) Phenol-d6	6.61	99	606627	43.94	ng	0.02
23) Nitrobenzene-d5	7.54	82	1077962	92.01	ng	0.00
41) 2,4,6-Tribromophenol	10.83	330	301164	119.10	ng	0.01
44) 2-Fluorobiphenyl	9.36	172	2016515	100.49	ng	0.00
78) Terphenyl-d14	13.12	244	1727570	124.09	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.54	70	144764	15.40	ng	# 85
25) Isophorone	7.54	82	1062175	46.01	ng	# 65
50) 2,6-Dinitrotoluene	10.03	165	48093	9.97	ng	# 31
56) 2,4-Dinitrotoluene	10.03	165	48095	7.51	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.82	198	784	5.18	ng	# 1
66) 4-Bromophenyl-phenylether	10.83	248	21399	3.80	ng	# 1

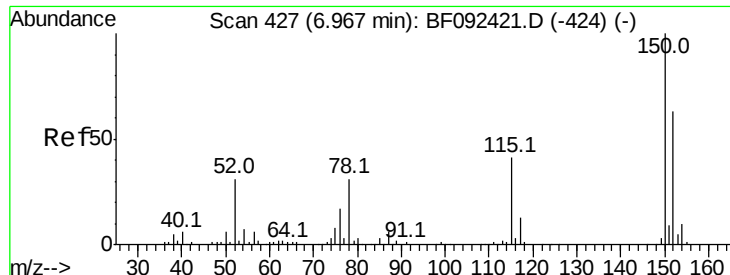
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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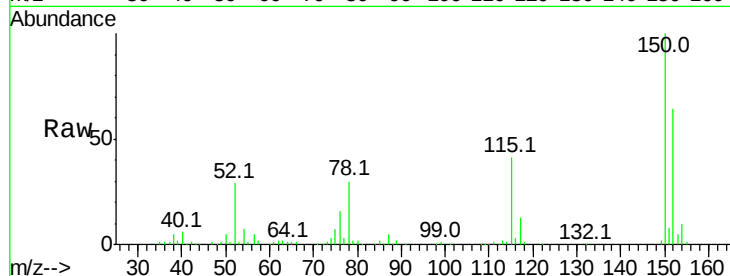


#1

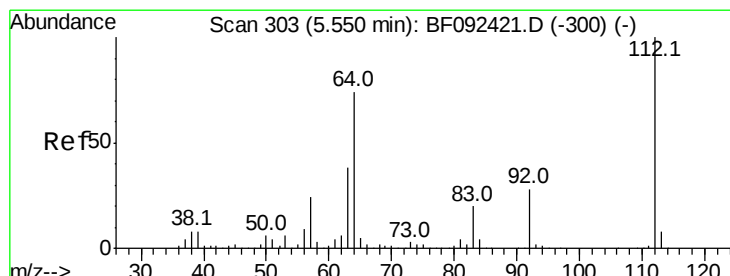
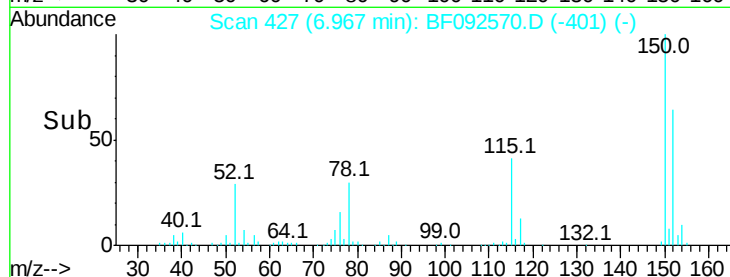
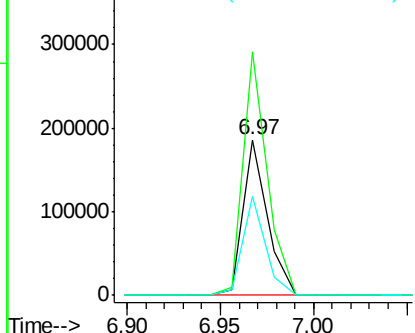
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF092570.D
Acq: 27 Jan 2017 12:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.9	187.3
115	63.7	46.0	69.0



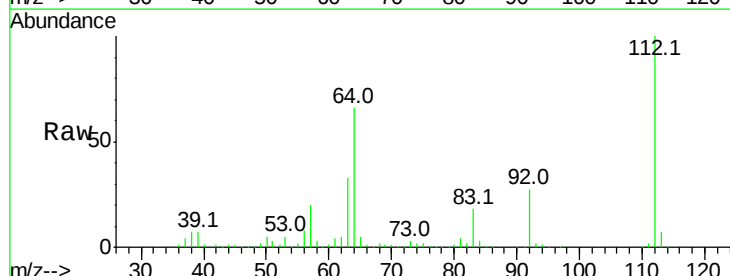
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



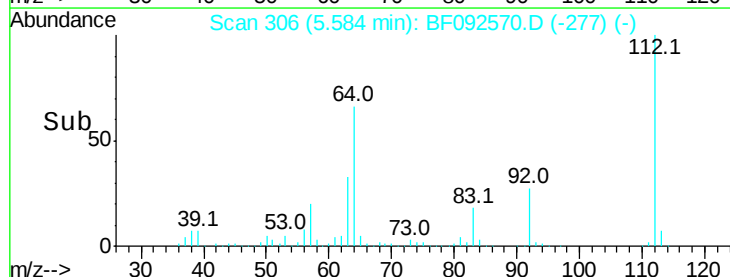
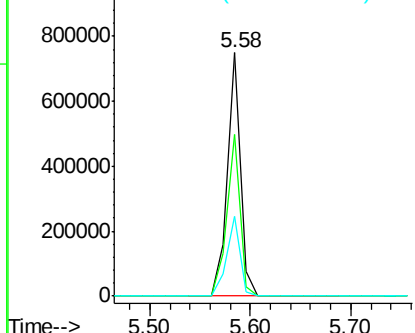
#5

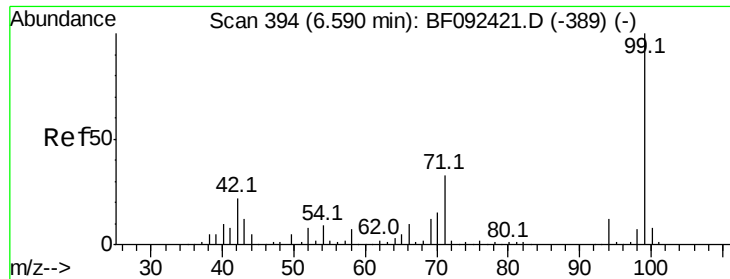
2-Fluorophenol
Concen: 62.97 ng
RT: 5.58 min Scan# 306
Delta R.T. 0.03 min
Lab File: BF092570.D
Acq: 27 Jan 2017 12:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	46.1	69.1
63	32.6	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





#7

Phenol-d6

Concen: 43.94 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.02 min

Lab File: BF092570.D

Acq: 27 Jan 2017 12:00

Instrument :

BNA_F

ClientSampleId :

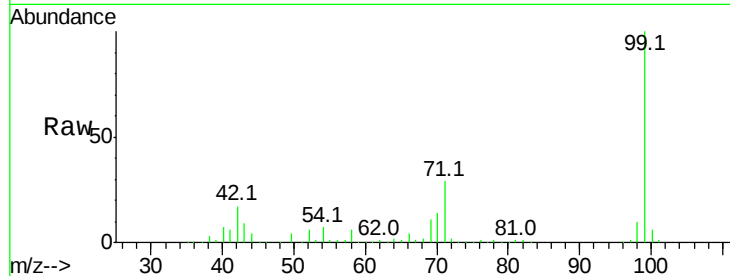
Tot Ion: 99 Resp: 606627

Ion Ratio Lower Upper

99 100

42 17.1 15.6 23.4

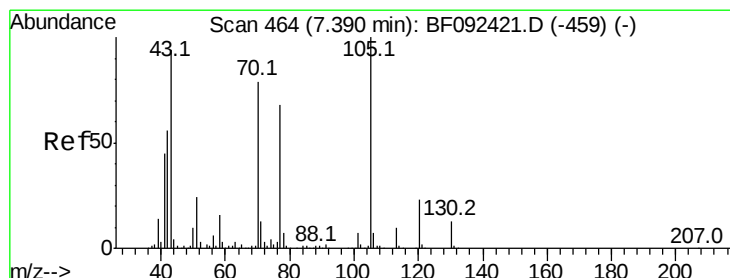
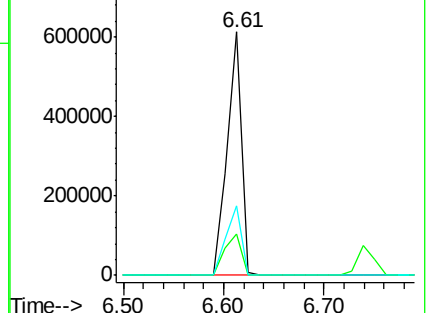
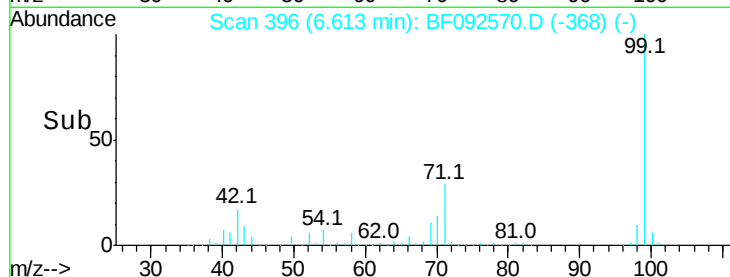
71 28.8 27.5 41.3



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: 15.40 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF092570.D

Acq: 27 Jan 2017 12:00

Tgt Ion: 70 Resp: 144764

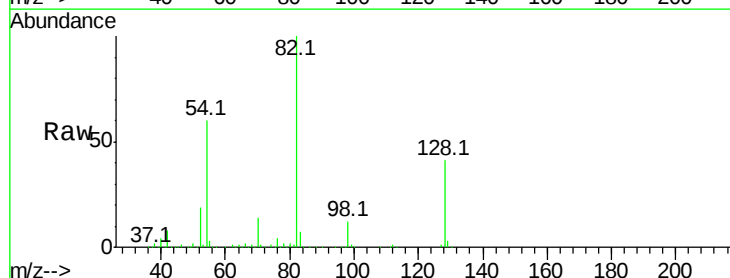
Ion Ratio Lower Upper

70 100

42 56.3 49.4 74.0

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

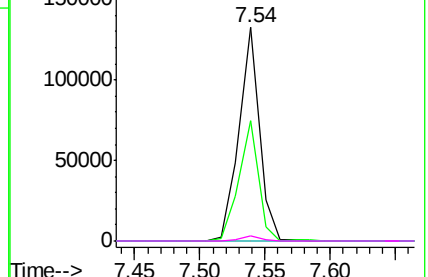
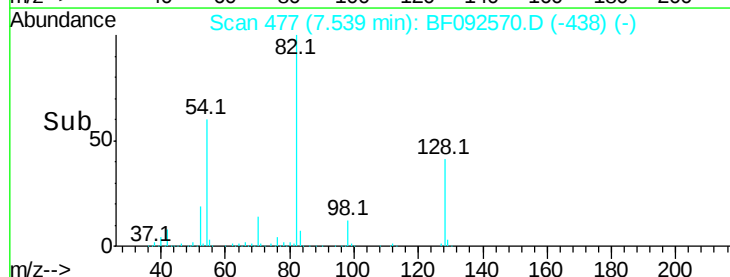


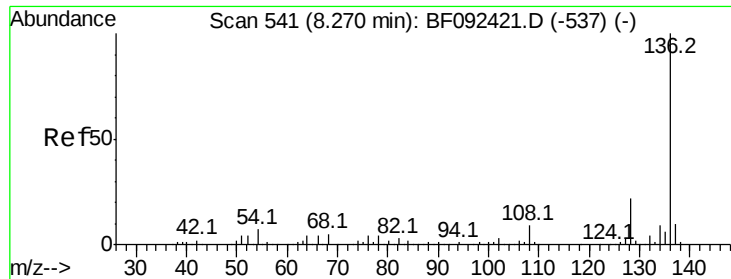
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

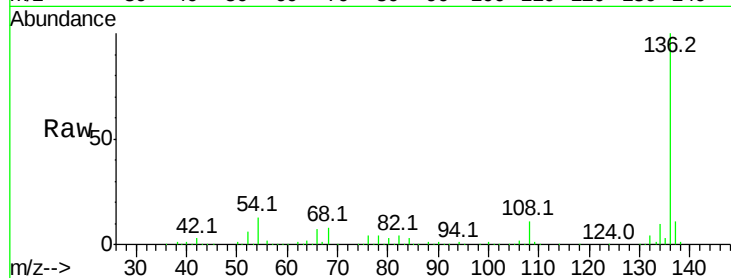




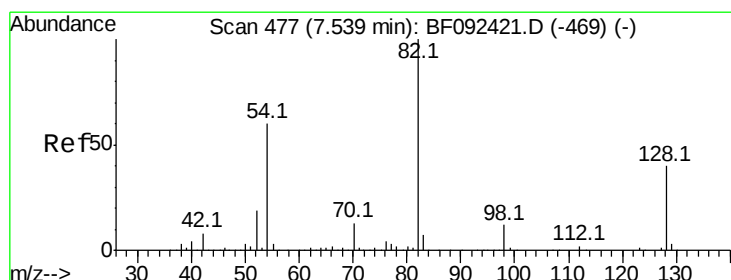
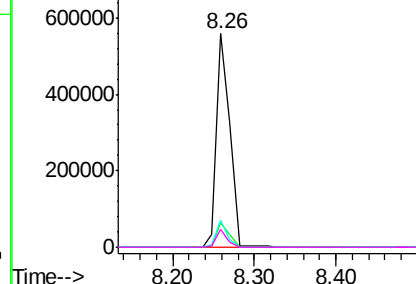
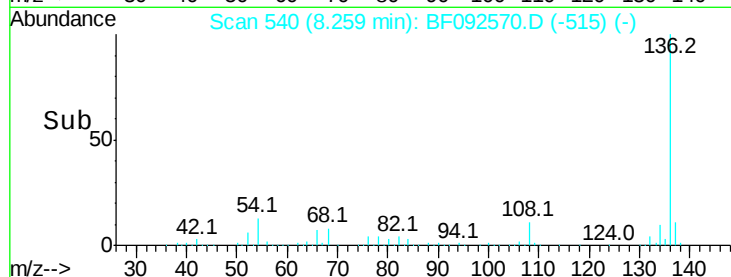
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092570.D
Acq: 27 Jan 2017 12:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	639995
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	12.7	4.5	6.7#
68	8.1	3.6	5.4#

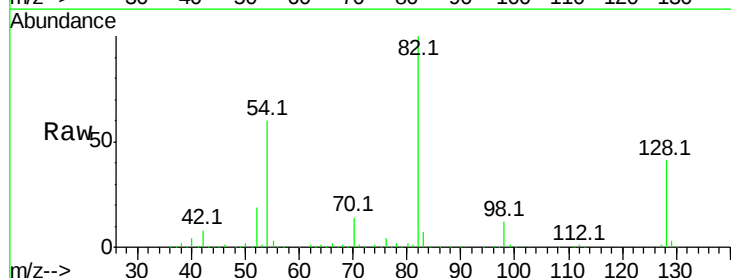


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

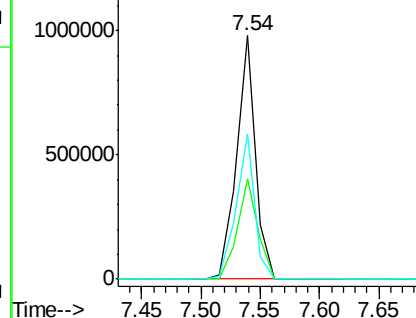
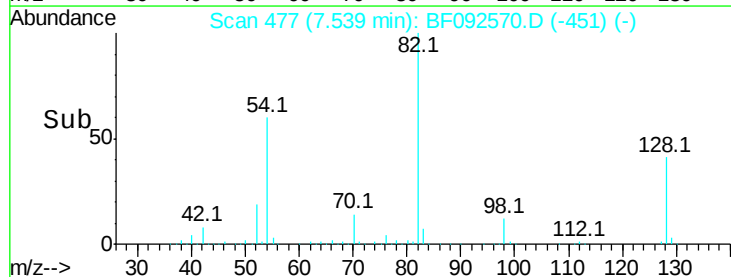


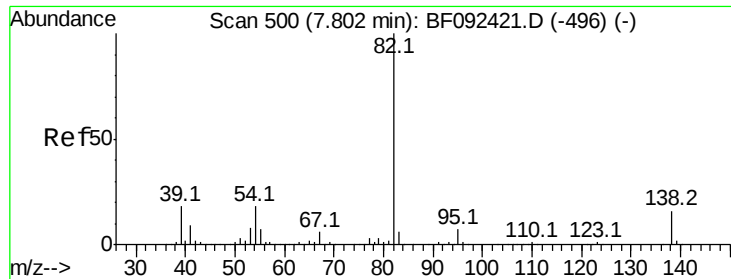
#23
Nitrobenzene-d5
Concen: 92.01 ng
RT: 7.54 min Scan# 477
Delta R.T. -0.00 min
Lab File: BF092570.D
Acq: 27 Jan 2017 12:00

Tgt Ion:	82	Resp:	1077962
Ion	Ratio	Lower	Upper
82	100		
128	41.1	34.6	52.0
54	59.5	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: 46.01 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.26 min

Lab File: BF092570.D

Acq: 27 Jan 2017 12:00

Instrument :

BNA_F

ClientSampled :

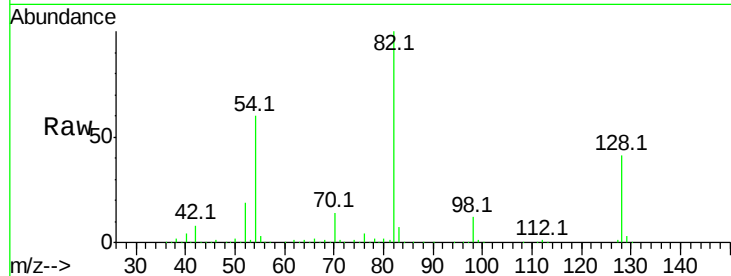
Tot Ion: 82 Resp: 1062175

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

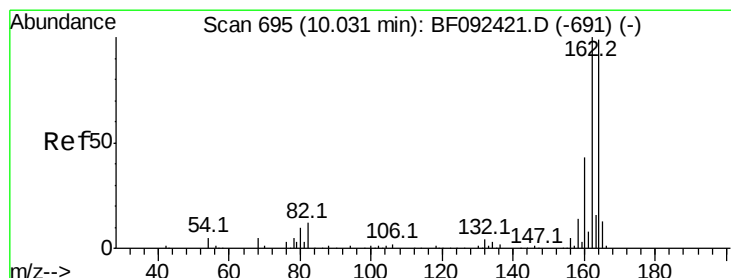
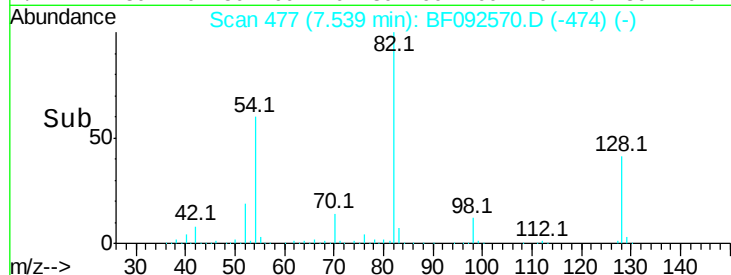
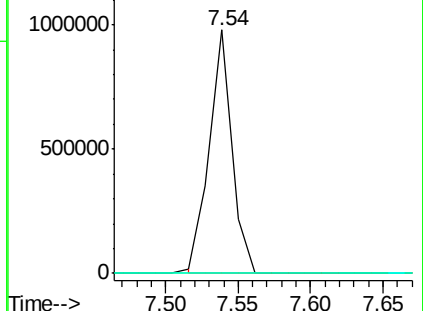
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF092570.D

Acq: 27 Jan 2017 12:00

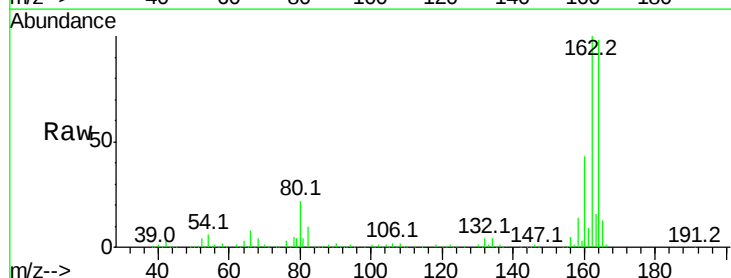
Tgt Ion:164 Resp: 371066

Ion Ratio Lower Upper

164 100

162 101.6 80.2 120.2

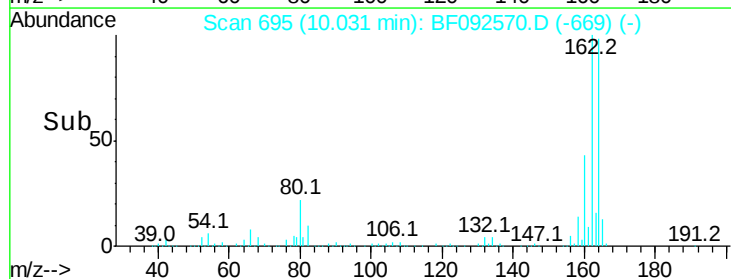
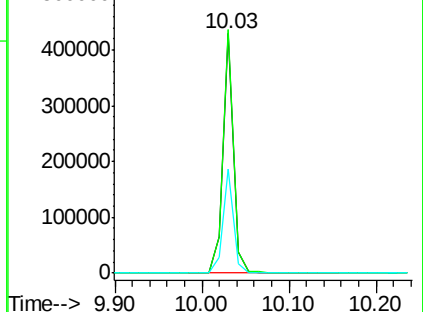
160 43.3 36.9 55.3

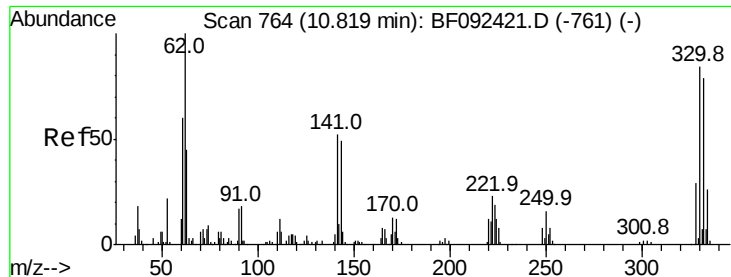


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

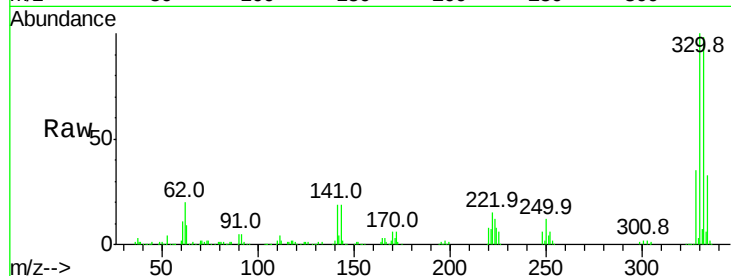




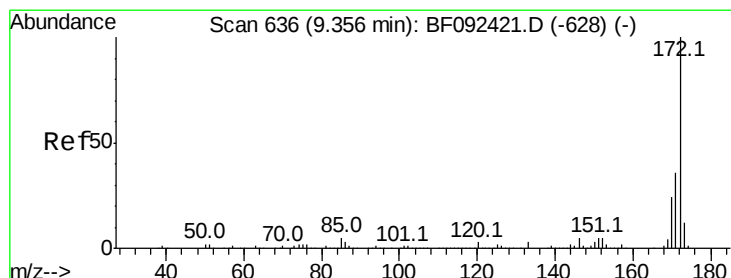
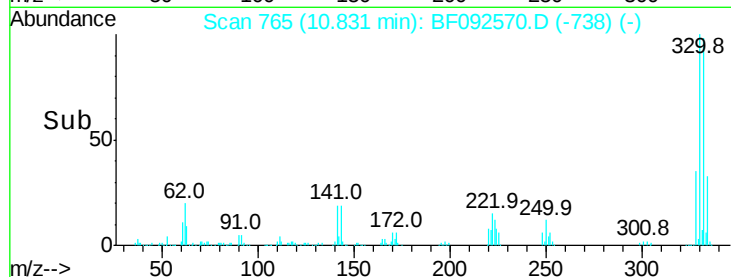
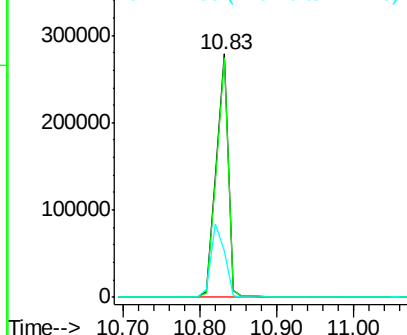
#41
 2,4,6-Tribromophenol
 Concen: 119.10 ng
 RT: 10.83 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: BF092570.D
 Acq: 27 Jan 2017 12:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 301164
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.4 116.2
 141 34.7 34.1 51.1

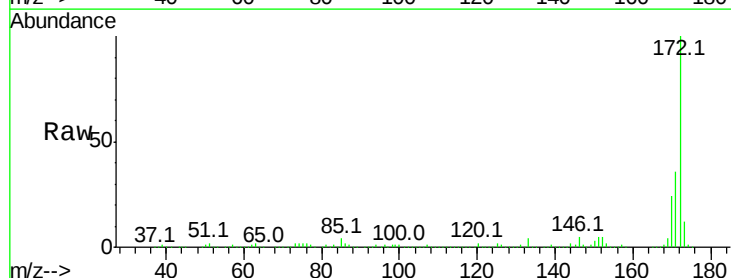


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

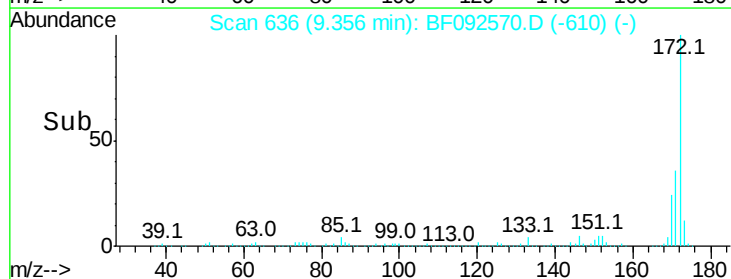
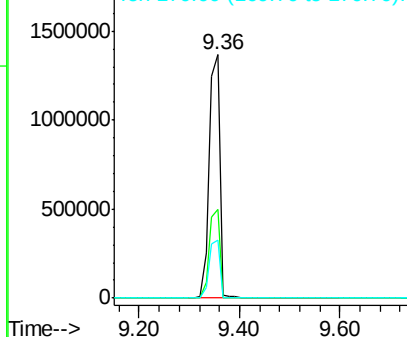


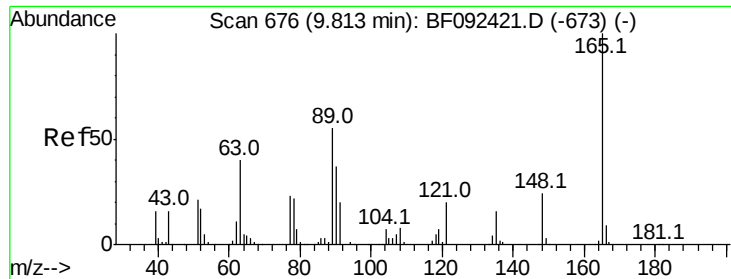
#44
 2-Fluorobiphenyl
 Concen: 100.49 ng
 RT: 9.36 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: BF092570.D
 Acq: 27 Jan 2017 12:00

Tgt Ion:172 Resp: 2016515
 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

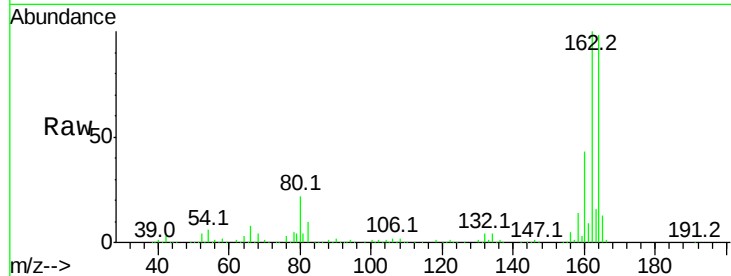




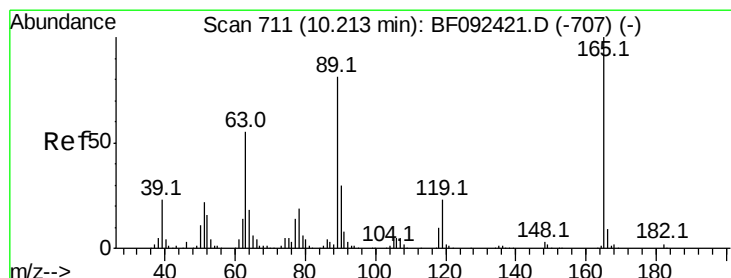
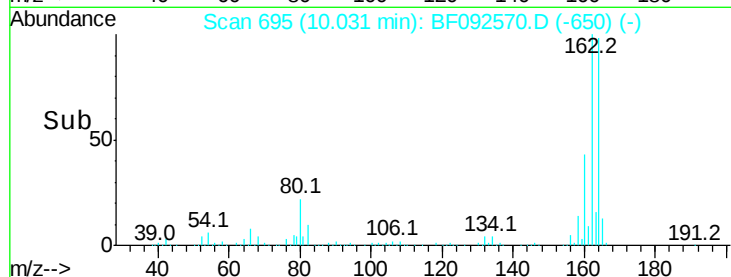
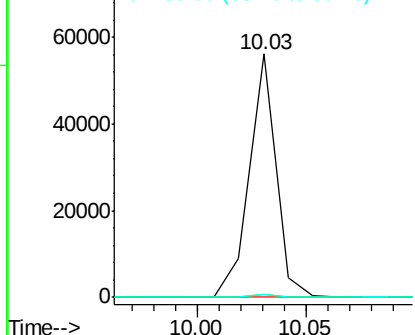
#50
2,6-Dinitrotoluene
Concen: 9.97 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.22 min
Lab File: BF092570.D
Acq: 27 Jan 2017 12:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 48093
Ion Ratio Lower Upper
165 100
63 1.1 36.2 54.4#
89 1.3 40.2 60.4#

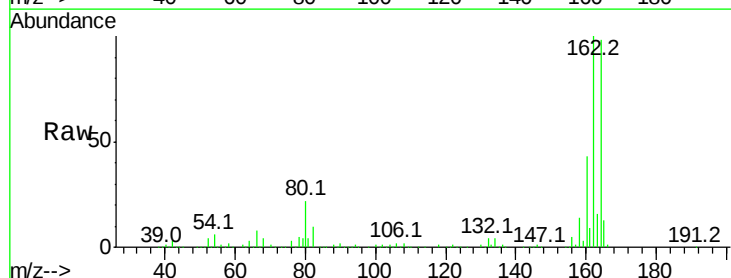


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

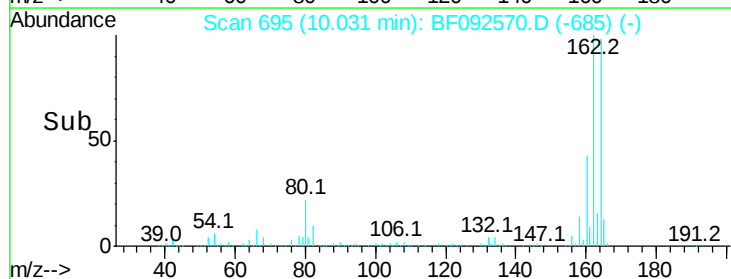
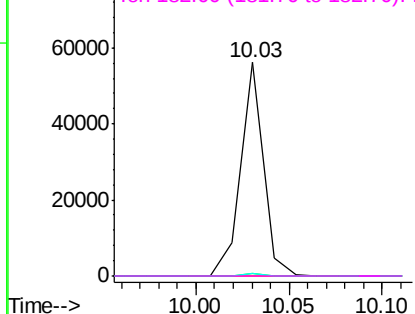


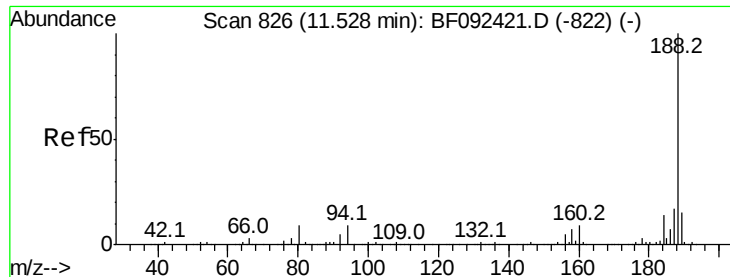
#56
2,4-Dinitrotoluene
Concen: 7.51 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.18 min
Lab File: BF092570.D
Acq: 27 Jan 2017 12:00

Tgt Ion:165 Resp: 48095
Ion Ratio Lower Upper
165 100
63 1.1 40.2 60.4#
89 1.3 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

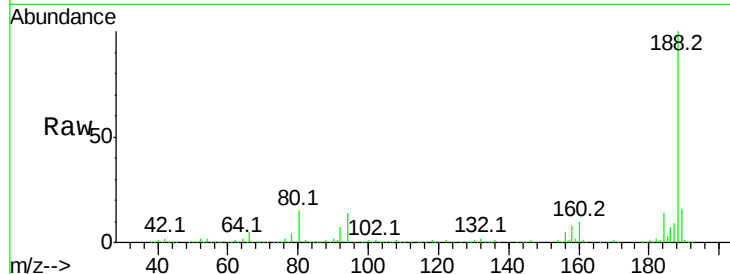




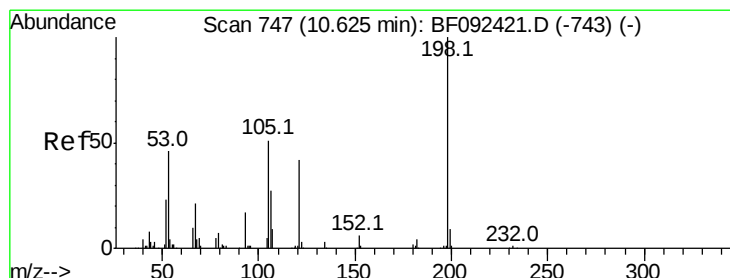
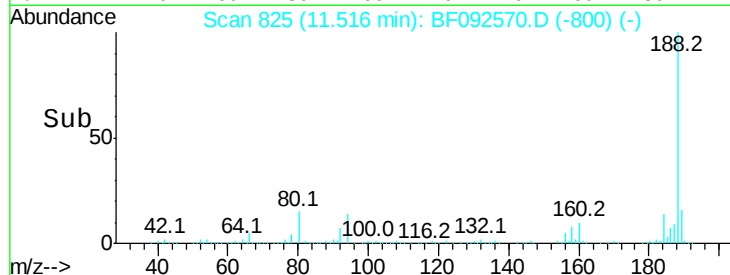
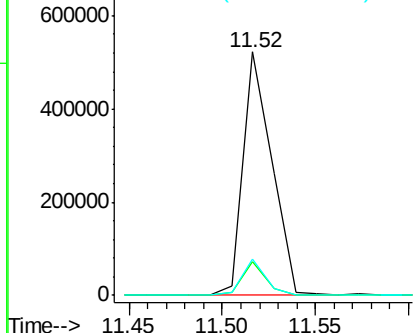
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.52 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF092570.D
 Acq: 27 Jan 2017 12:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 557791
 Ion Ratio Lower Upper
 188 100
 94 14.1 10.0 15.0
 80 14.7 11.2 16.8

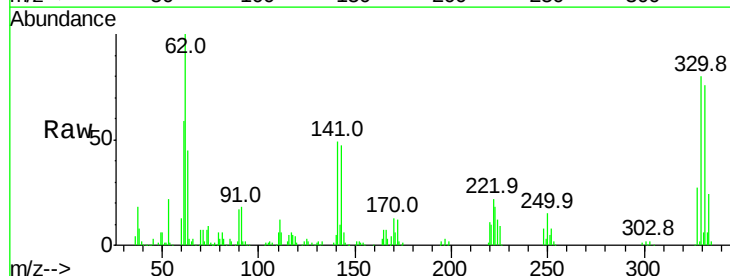


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

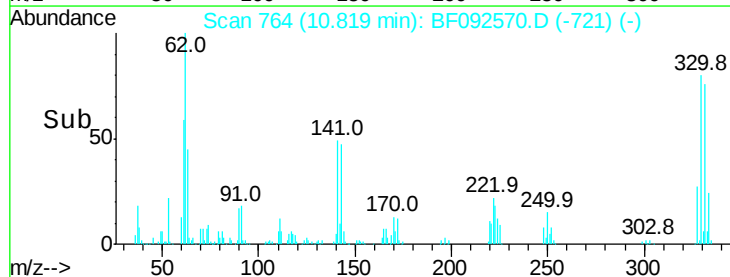
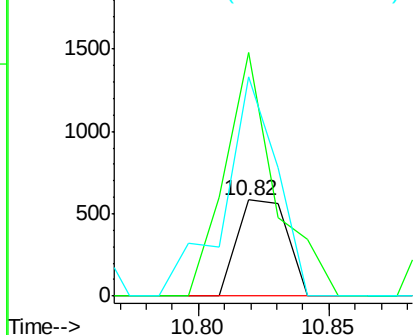


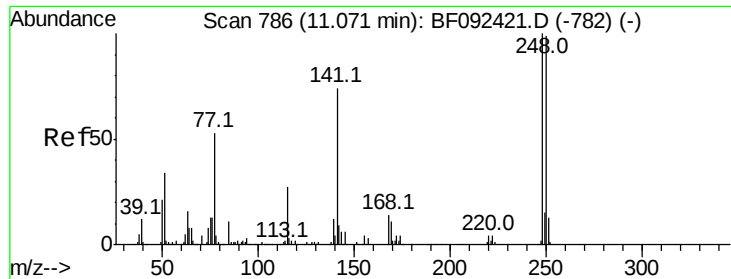
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.18 ng
 RT: 10.82 min Scan# 764
 Delta R.T. 0.20 min
 Lab File: BF092570.D
 Acq: 27 Jan 2017 12:00

Tgt Ion:198 Resp: 784
 Ion Ratio Lower Upper
 198 100
 51 253.1 6.7 46.7#
 105 227.7 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: 3.80 ng

RT: 10.83 min Scan# 765

Delta R.T. -0.24 min

Lab File: BF092570.D

Acq: 27 Jan 2017 12:00

Instrument :

BNA_F

ClientSampleId :

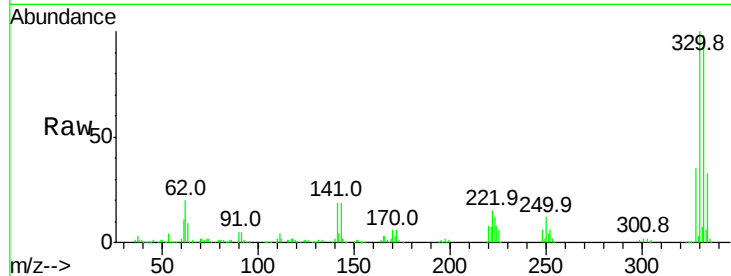
Tot Ion:248 Resp: 21399

Ion Ratio Lower Upper

248 100

250 207.4 76.9 115.3#

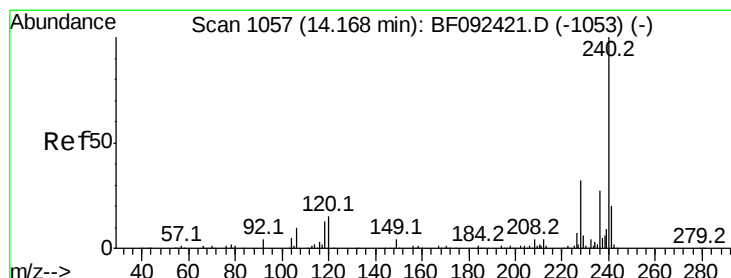
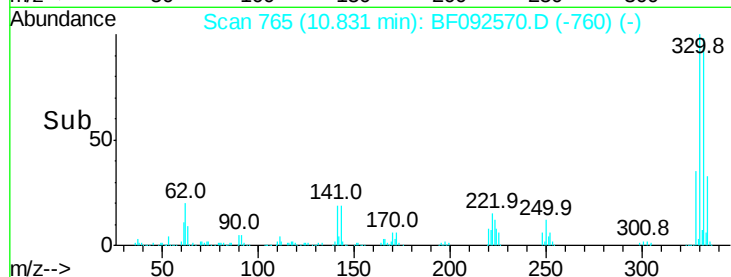
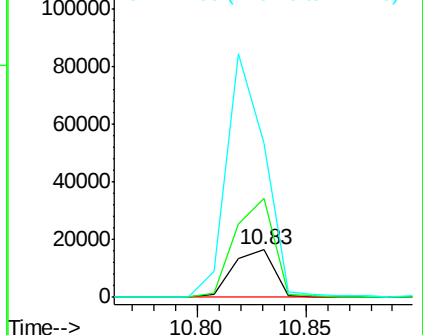
141 324.9 68.2 102.4#



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: 14.16 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF092570.D

Acq: 27 Jan 2017 12:00

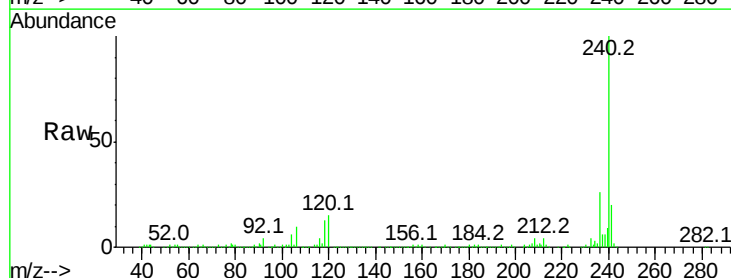
Tgt Ion:240 Resp: 370728

Ion Ratio Lower Upper

240 100

120 15.0 12.9 19.3

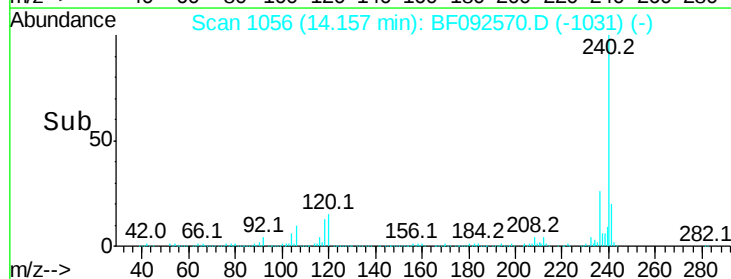
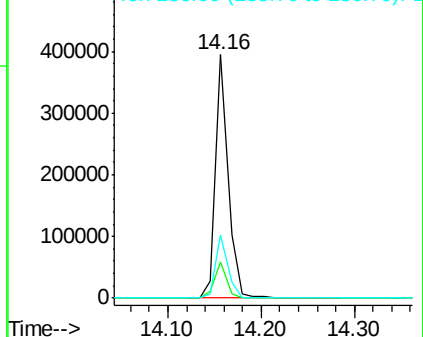
236 25.7 20.9 31.3

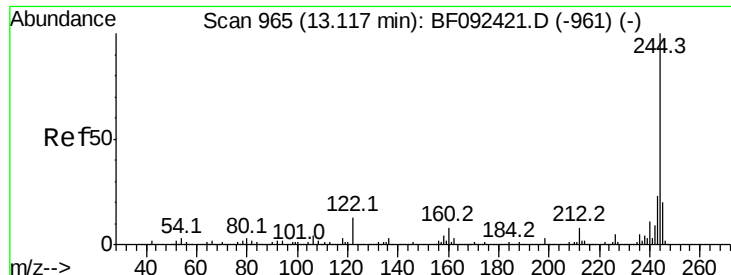


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

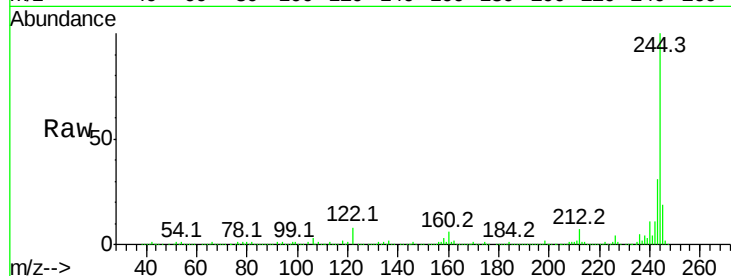




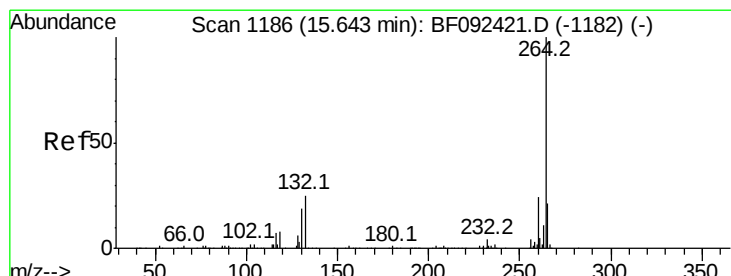
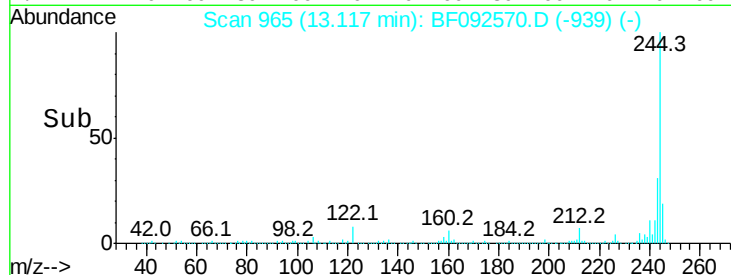
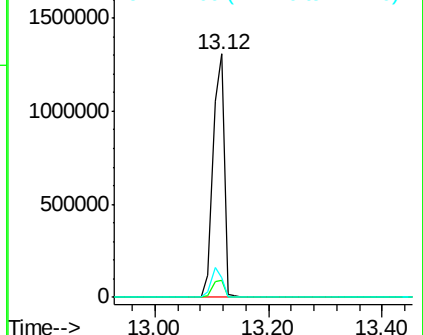
#78
 Terphenyl-d14
 Concen: 124.09 ng
 RT: 13.12 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: BF092570.D
 Acq: 27 Jan 2017 12:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1727570
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.2 9.2
 122 8.3 11.4 17.2#

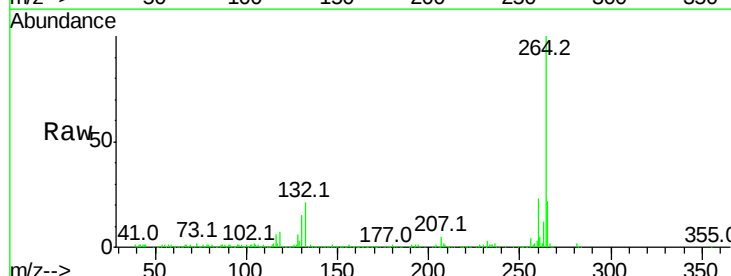


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.64 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: BF092570.D
 Acq: 27 Jan 2017 12:00

Tgt Ion:264 Resp: 337256
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.5 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

