

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013017\
 Data File : BF092668.D
 Acq On : 31 Jan 2017 8:07
 Operator : SJ/MA
 Sample : I1550-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-20

Quant Time: Jan 31 09:44:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

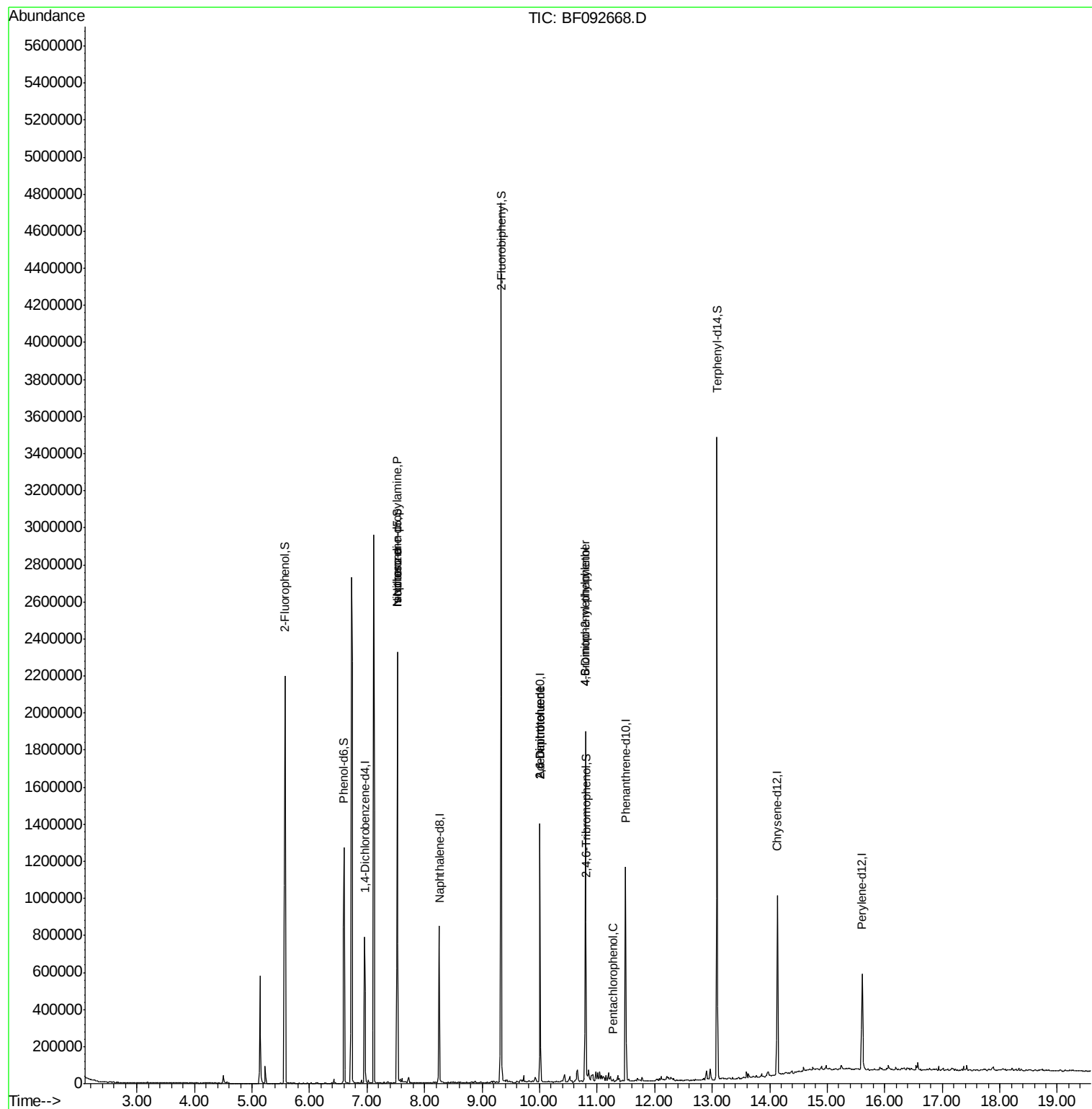
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	147431	20.00	ng	-0.01
21) Naphthalene-d8	8.26	136	560307	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	277095	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	394715	20.00	ng	0.00
75) Chrysene-d12	14.13	240	322764	20.00	ng	-0.01
86) Perylene-d12	15.61	264	228641	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	651280	75.79	ng	0.00
7) Phenol-d6	6.60	99	516799	46.74	ng	0.00
23) Nitrobenzene-d5	7.53	82	861846	85.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	259337	129.40	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1660397	108.56	ng	0.00
78) Terphenyl-d14	13.08	244	1077205	78.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	114779	16.31	ng	# 83
25) Isophorone	7.53	82	709762	37.86	ng	# 65
50) 2,6-Dinitrotoluene	10.01	165	35382	8.78	ng	# 31
56) 2,4-Dinitrotoluene	10.01	165	35384	6.59	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.80	198	436	2.84	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	18237	4.42	ng	# 1
69) Pentachlorophenol	11.28	266	280	7.32	ng	# 18

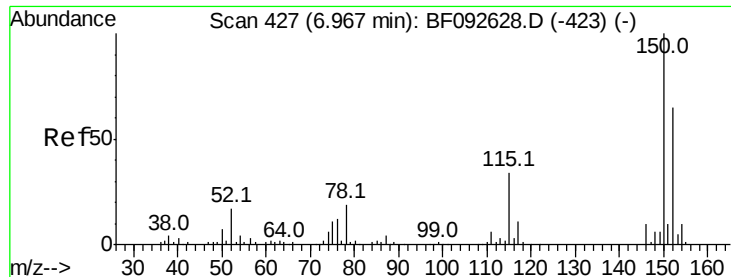
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.96 min Scan# 426

Delta R.T. -0.01 min

Lab File: BF092668.D

Acq: 31 Jan 2017 8:07

Instrument :

BNA_F

ClientSampleId :

W-20

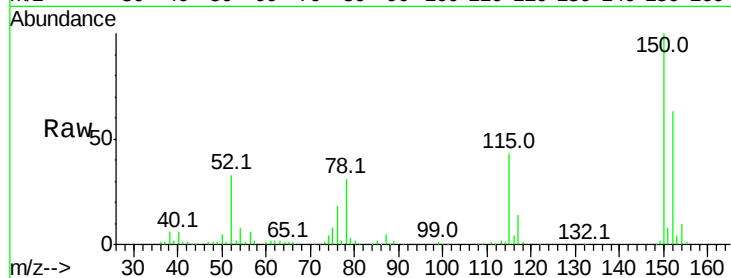
Tot Ion:152 Resp: 147431

Ion Ratio Lower Upper

152 100

150 159.6 124.9 187.3

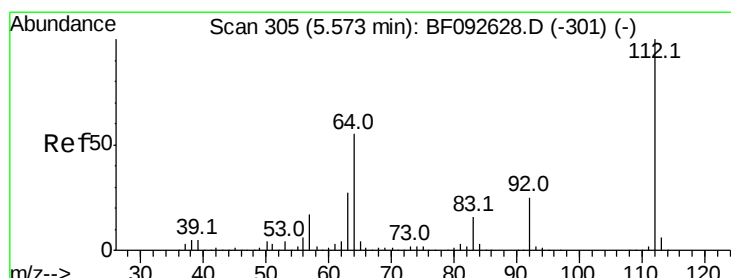
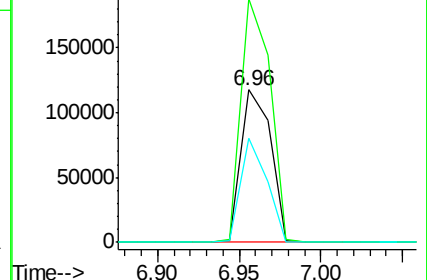
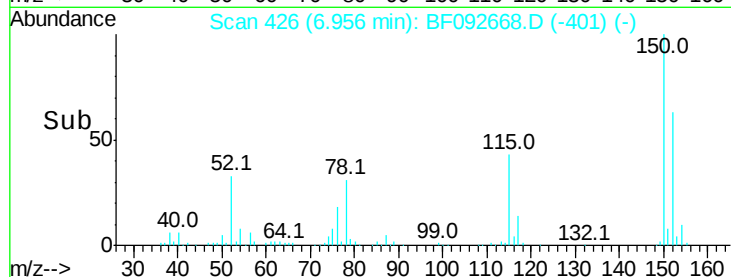
115 68.0 46.0 69.0



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: 75.79 ng

RT: 5.57 min Scan# 305

Delta R.T. 0.00 min

Lab File: BF092668.D

Acq: 31 Jan 2017 8:07

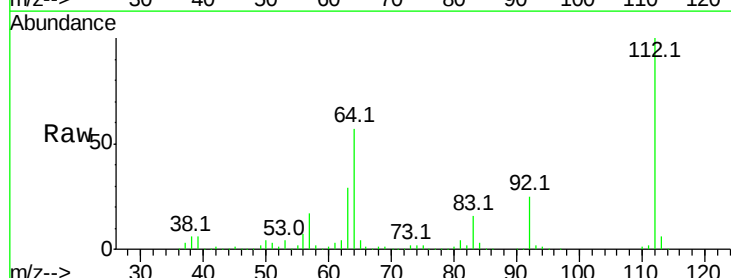
Tgt Ion:112 Resp: 651280

Ion Ratio Lower Upper

112 100

64 57.4 46.1 69.1

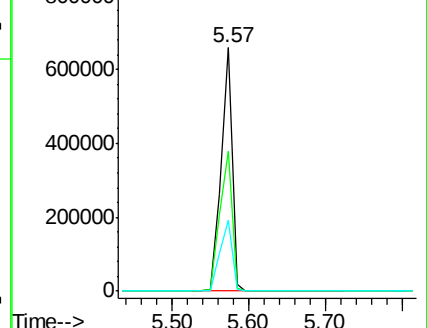
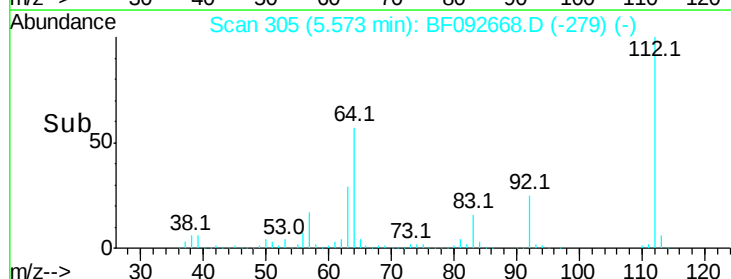
63 29.3 23.8 35.6

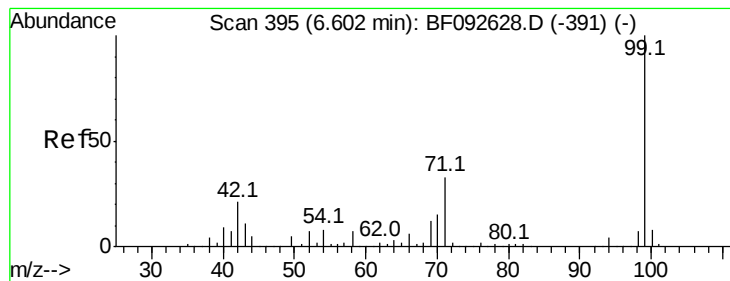


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 46.74 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF092668.D

Acq: 31 Jan 2017 8:07

Instrument :

BNA_F

ClientSampleId :

W-20

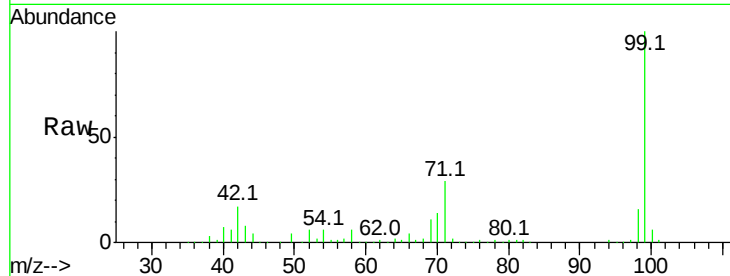
Tot Ion: 99 Resp: 516799

Ion Ratio Lower Upper

99 100

42 16.7 15.6 23.4

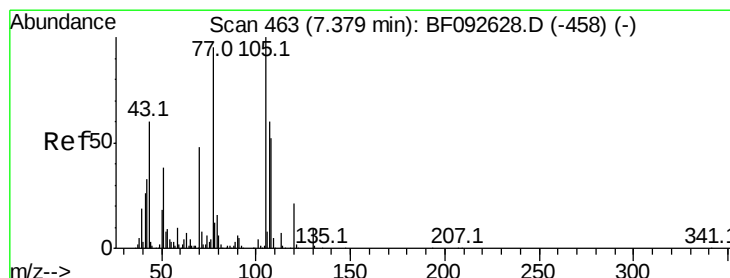
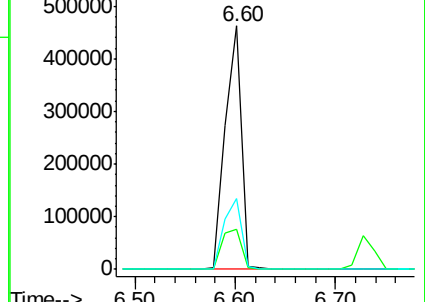
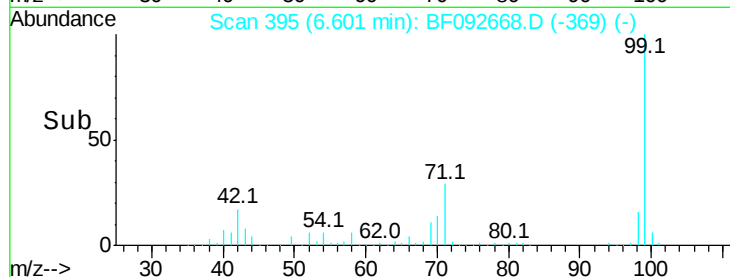
71 29.1 27.5 41.3



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: 16.31 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.15 min

Lab File: BF092668.D

Acq: 31 Jan 2017 8:07

Tgt Ion: 70 Resp: 114779

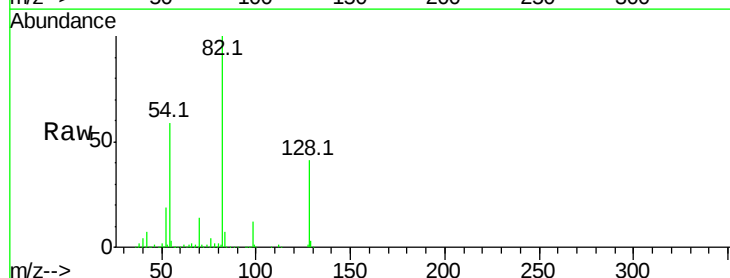
Ion Ratio Lower Upper

70 100

42 53.7 49.4 74.0

101 0.0 7.4 11.2#

130 2.4 14.2 21.4#

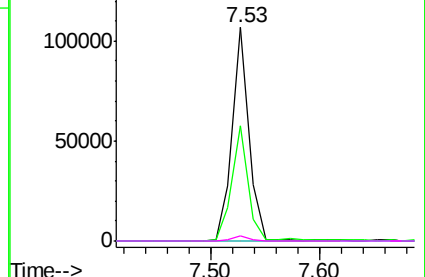
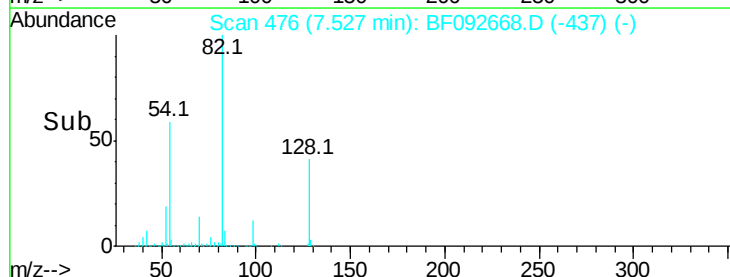


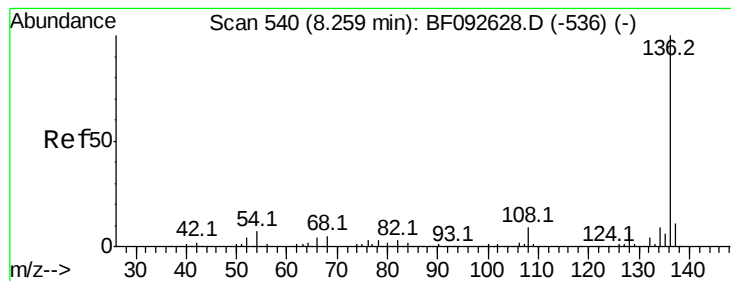
Abundance Ion 70.00 (69.70 to 70.70): BF0

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. -0.00 min

Lab File: BF092668.D

Acq: 31 Jan 2017 8:07

Instrument :

BNA_F

ClientSampleId :

W-20

Tot Ion:136 Resp: 560307

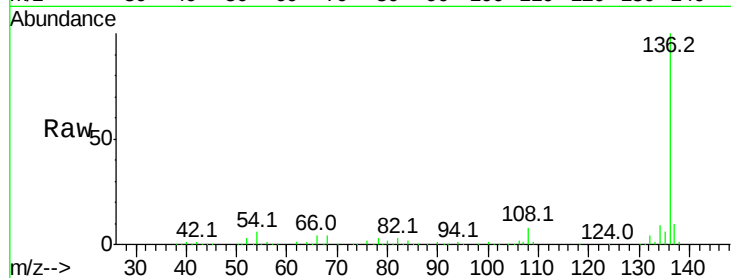
Ion Ratio Lower Upper

136 100

137 10.2 8.4 12.6

54 6.1 4.5 6.7

68 4.5 3.6 5.4

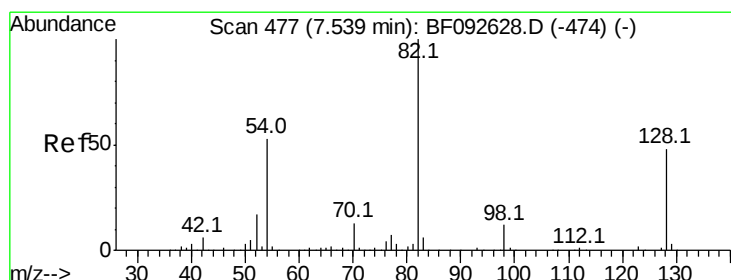
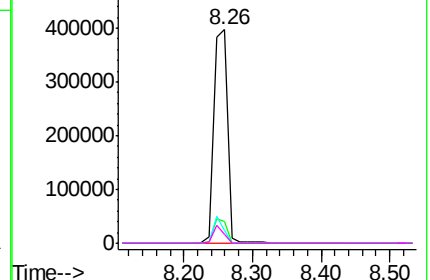
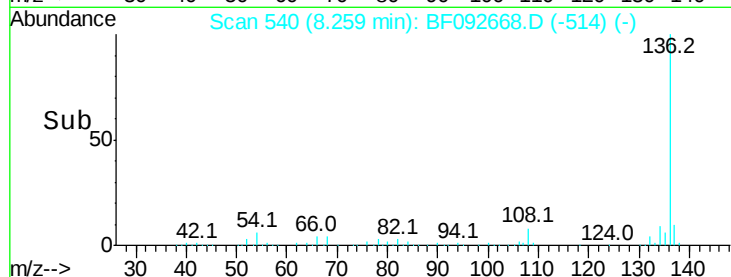


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.66 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.01 min

Lab File: BF092668.D

Acq: 31 Jan 2017 8:07

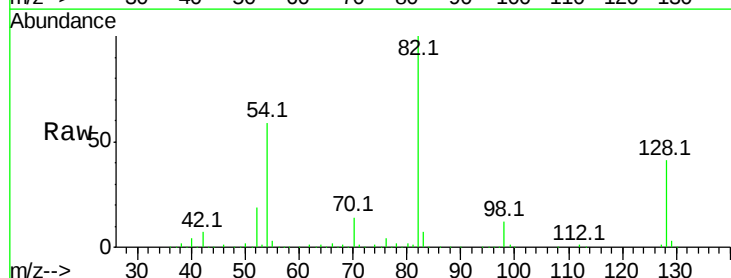
Tgt Ion: 82 Resp: 861846

Ion Ratio Lower Upper

82 100

128 40.9 34.6 52.0

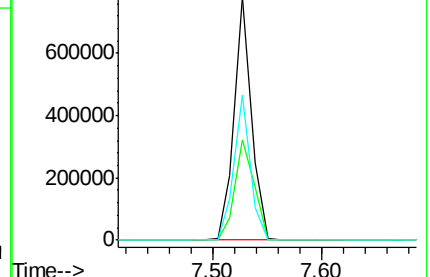
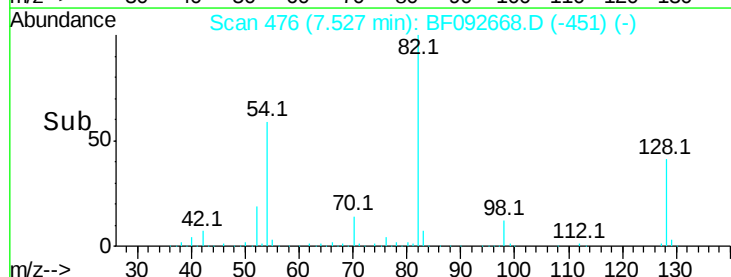
54 59.5 39.5 59.3#

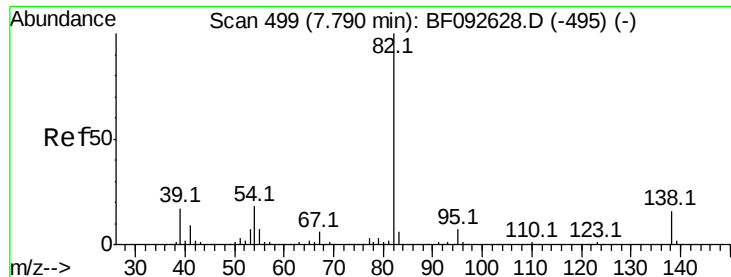


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 37.86 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.26 min

Lab File: BF092668.D

Acq: 31 Jan 2017 8:07

Instrument :

BNA_F

ClientSampleId :

W-20

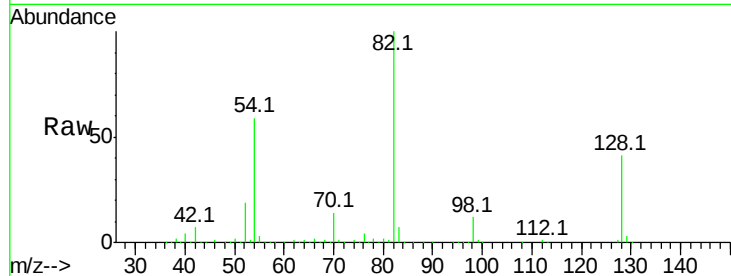
Tot Ion: 82 Resp: 709762

Ion Ratio Lower Upper

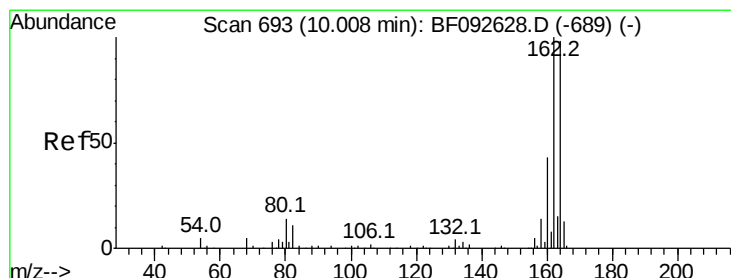
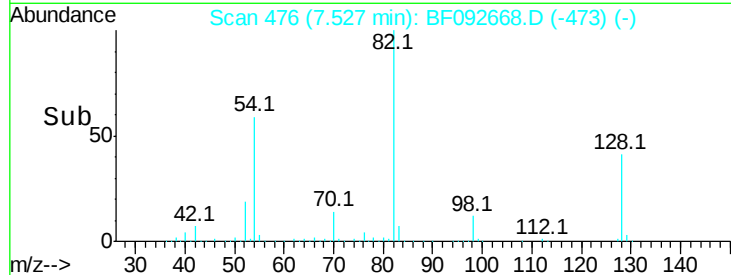
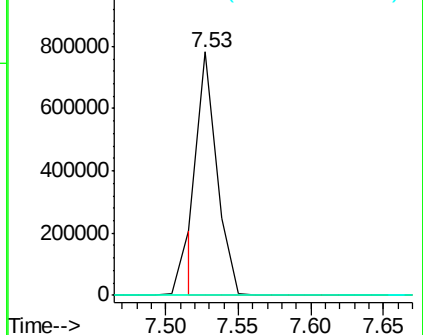
82 100

95 0.1 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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF092668.D

Acq: 31 Jan 2017 8:07

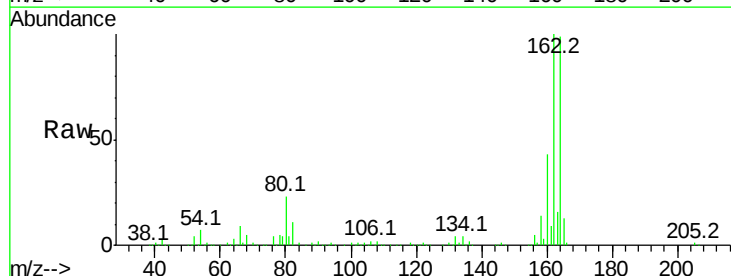
Tgt Ion:164 Resp: 277095

Ion Ratio Lower Upper

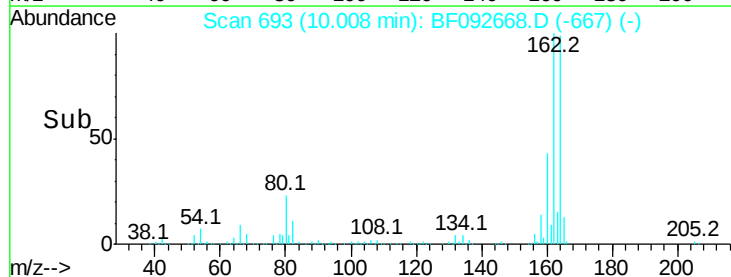
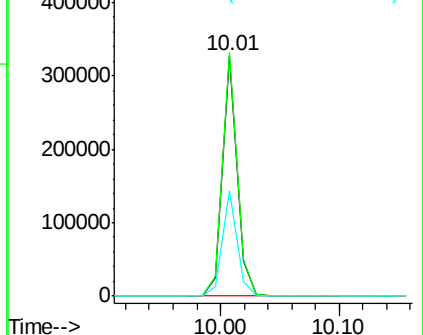
164 100

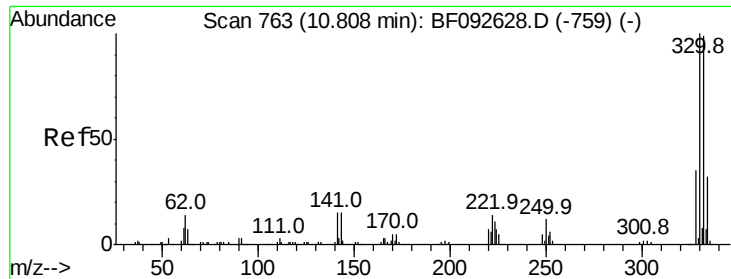
162 101.5 80.2 120.2

160 43.8 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

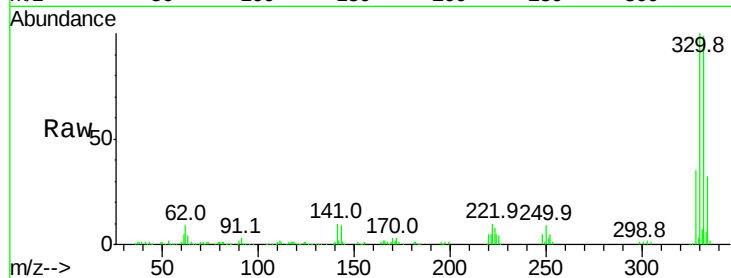




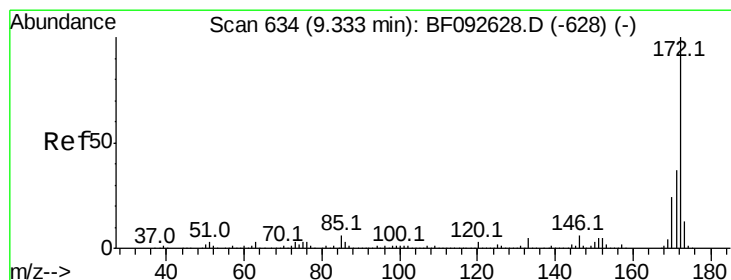
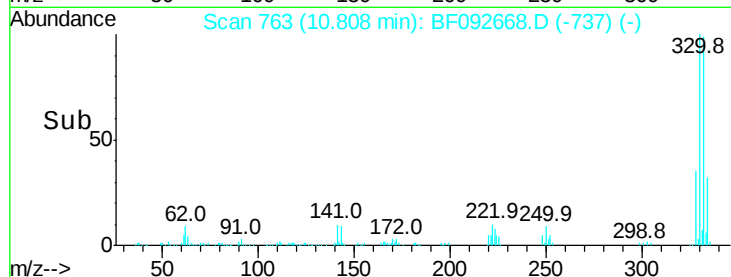
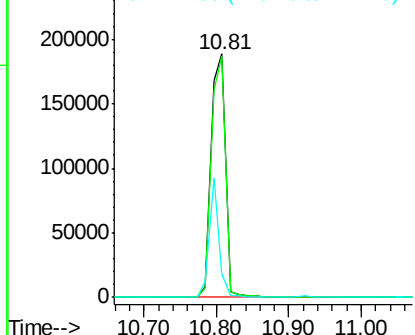
#41
 2,4,6-Tribromophenol
 Concen: 129.40 ng
 RT: 10.81 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: BF092668.D
 Acq: 31 Jan 2017 8:07

Instrument :
 BNA_F
 ClientSampleID :
 W-20

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.4	116.2
141	33.6	34.1	51.1#

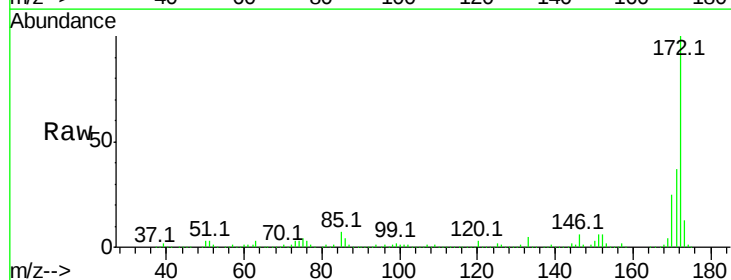


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

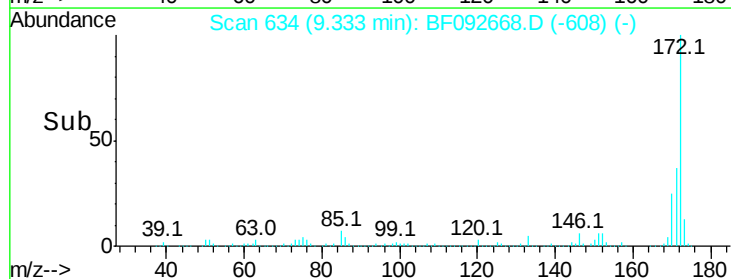
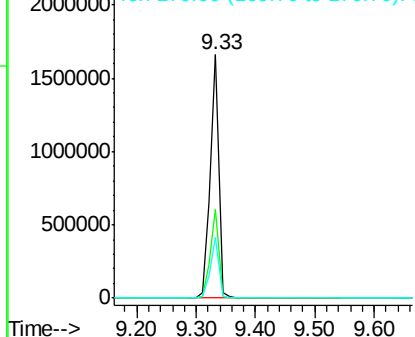


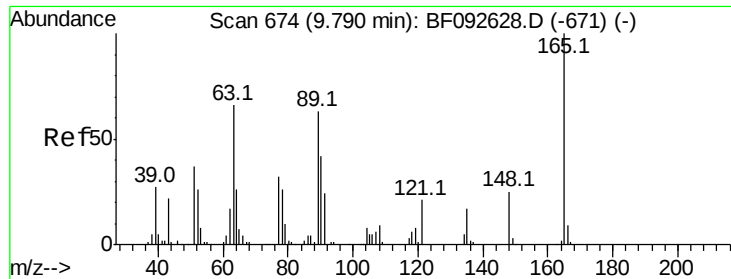
#44
 2-Fluorobiphenyl
 Concen: 108.56 ng
 RT: 9.33 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: BF092668.D
 Acq: 31 Jan 2017 8:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.6	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

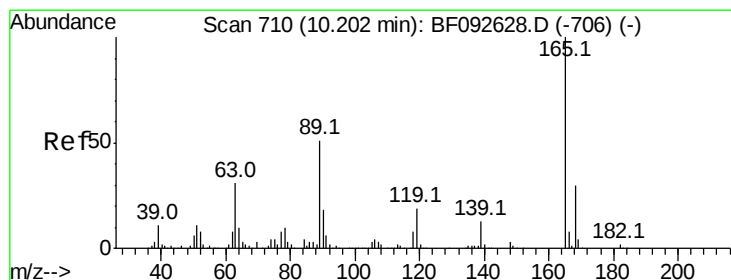
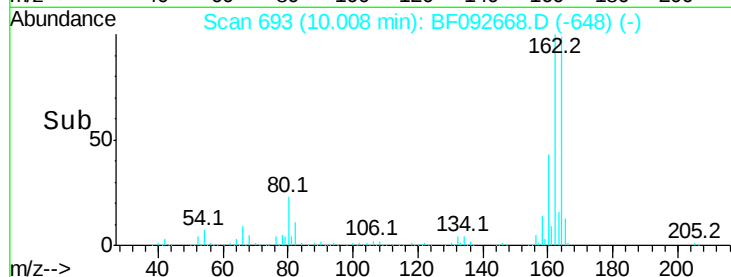
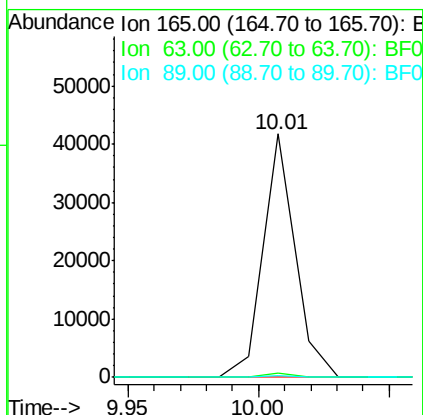
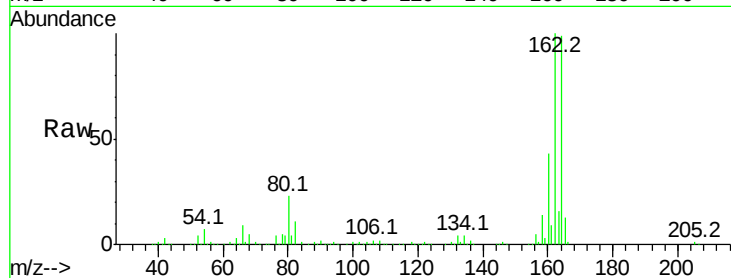




#50
 2,6-Dinitrotoluene
 Concen: 8.78 ng
 RT: 10.01 min Scan# 693
 Delta R.T. 0.22 min
 Lab File: BF092668.D
 Acq: 31 Jan 2017 8:07

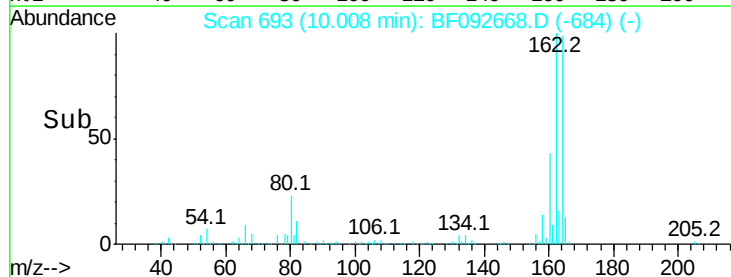
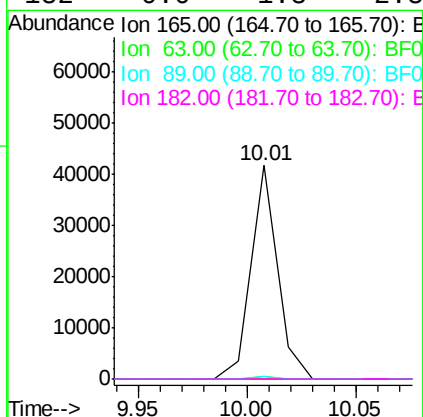
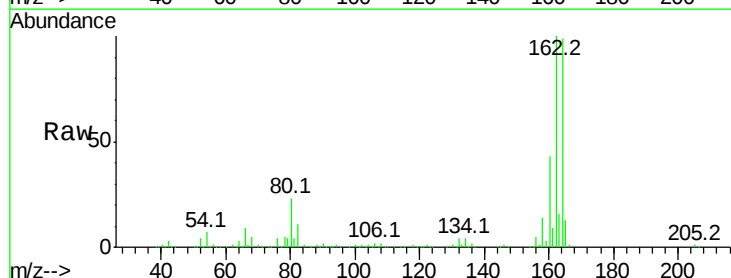
Instrument :
 BNA_F
 ClientSampled :
 W-20

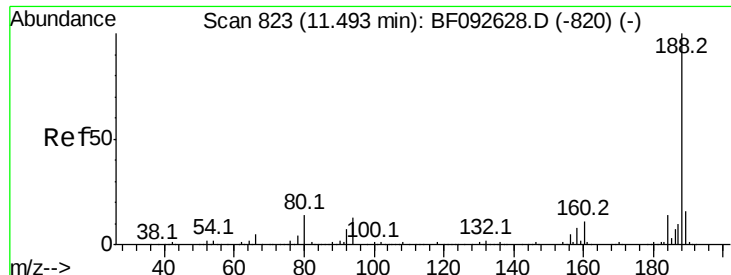
Tot Ion:165 Resp: 35382
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.2 54.4#
 89 0.9 40.2 60.4#



#56
 2,4-Dinitrotoluene
 Concen: 6.59 ng
 RT: 10.01 min Scan# 693
 Delta R.T. -0.19 min
 Lab File: BF092668.D
 Acq: 31 Jan 2017 8:07

Tgt Ion:165 Resp: 35384
 Ion Ratio Lower Upper
 165 100
 63 1.5 40.2 60.4#
 89 0.9 62.5 93.7#
 182 0.0 1.8 2.8#

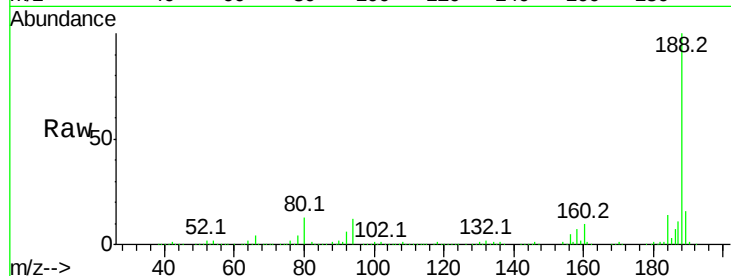




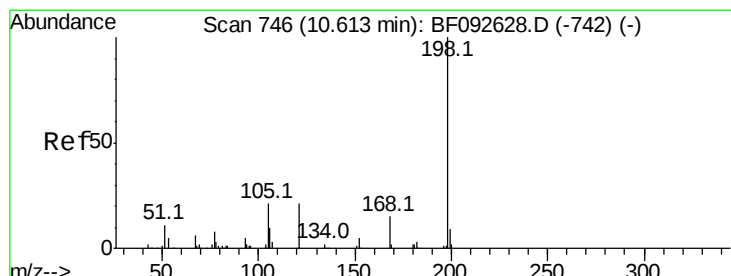
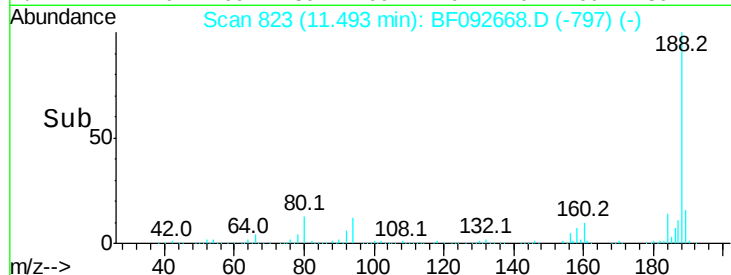
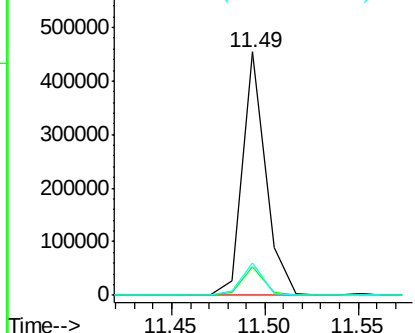
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.49 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: BF092668.D
 Acq: 31 Jan 2017 8:07

Instrument :
 BNA_F
 ClientSampleId :
 W-20

Tot Ion:188 Resp: 394715
 Ion Ratio Lower Upper
 188 100
 94 11.9 10.0 15.0
 80 13.2 11.2 16.8

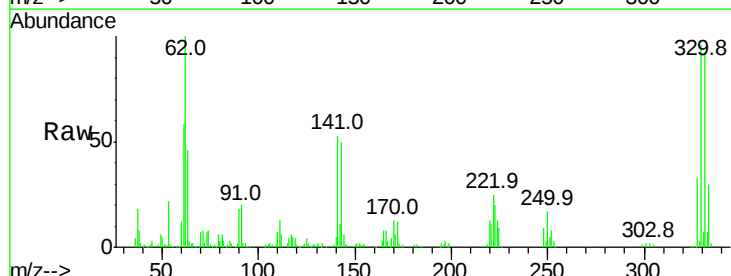


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

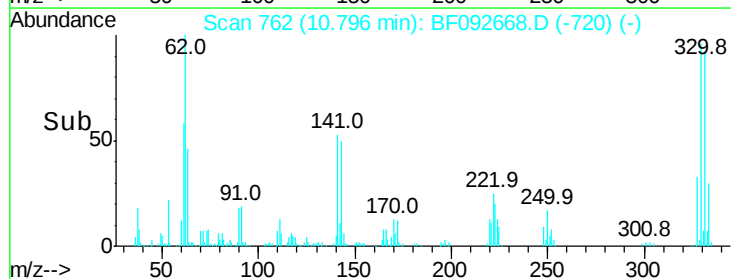
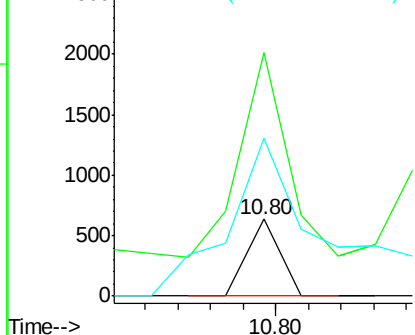


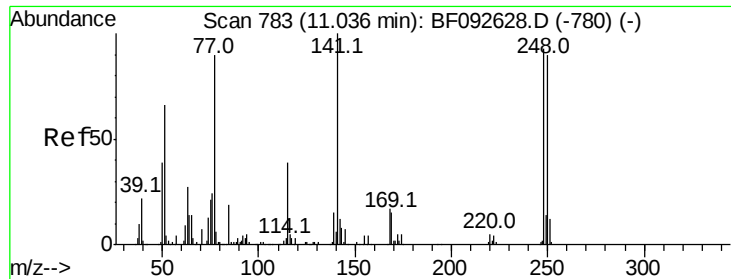
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.84 ng
 RT: 10.80 min Scan# 762
 Delta R.T. 0.18 min
 Lab File: BF092668.D
 Acq: 31 Jan 2017 8:07

Tgt Ion:198 Resp: 436
 Ion Ratio Lower Upper
 198 100
 51 316.7 6.7 46.7#
 105 205.0 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

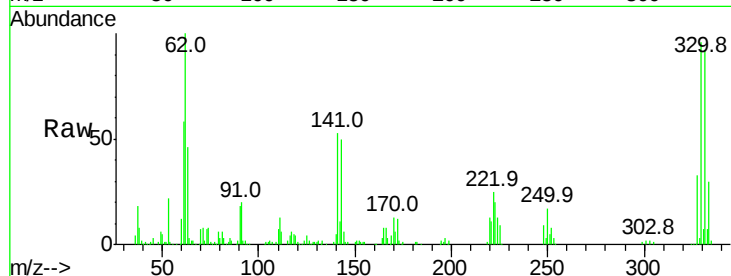




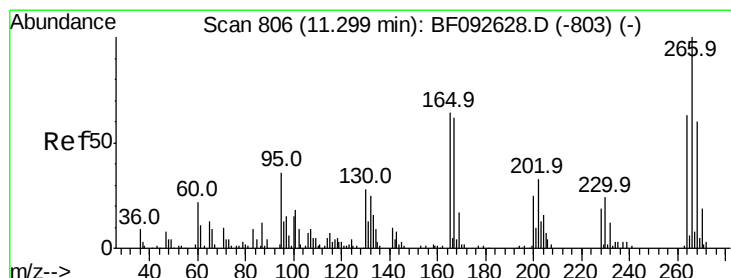
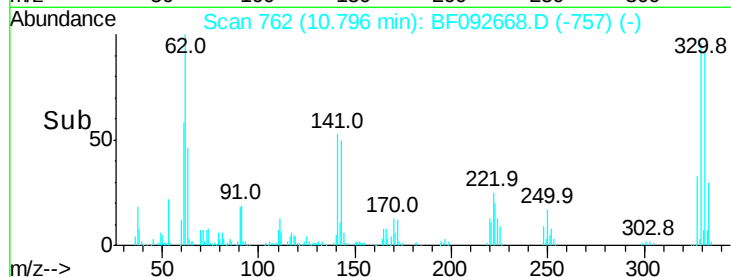
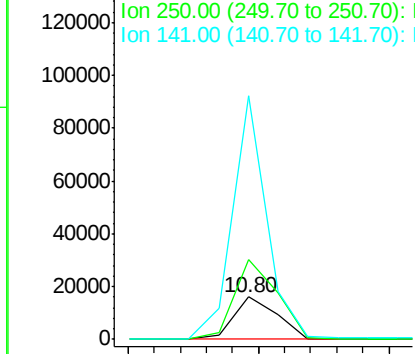
#66
4-Bromophenyl-phenylether
Concen: 4.42 ng
RT: 10.80 min Scan# 762
Delta R.T. -0.24 min
Lab File: BF092668.D
Acq: 31 Jan 2017 8:07

Instrument :
BNA_F
ClientSampleId :
W-20

Tot Ion:248 Resp: 18237
Ion Ratio Lower Upper
248 100
250 188.8 76.9 115.3#
141 573.0 68.2 102.4#

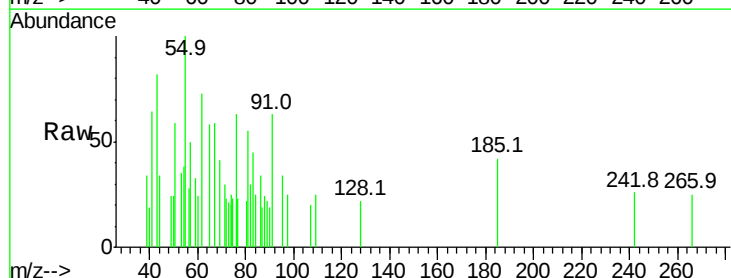


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

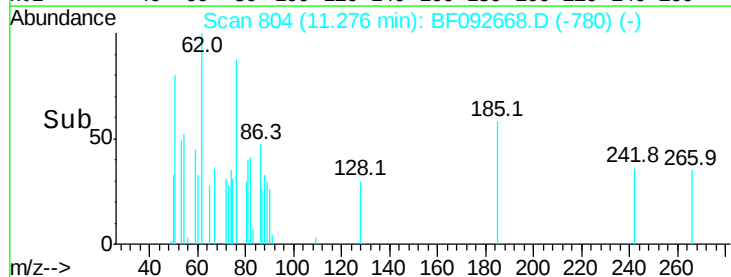
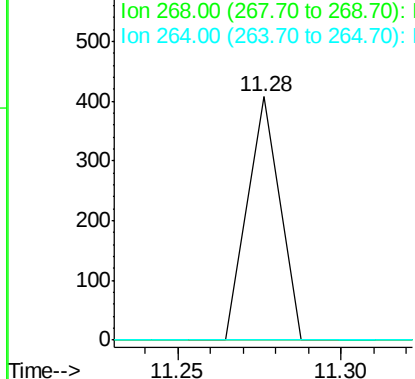


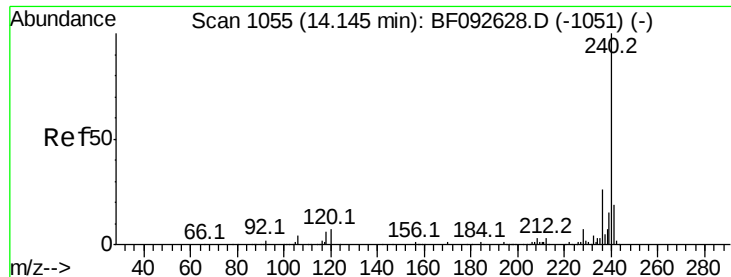
#69
Pentachlorophenol
Concen: 7.32 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF092668.D
Acq: 31 Jan 2017 8:07

Tgt Ion:266 Resp: 280
Ion Ratio Lower Upper
266 100
268 0.0 53.3 79.9#
264 0.0 50.3 75.5#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.13 min Scan# 1054

Delta R.T. -0.01 min

Lab File: BF092668.D

Acq: 31 Jan 2017 8:07

Instrument :

BNA_F

ClientSampled :

W-20

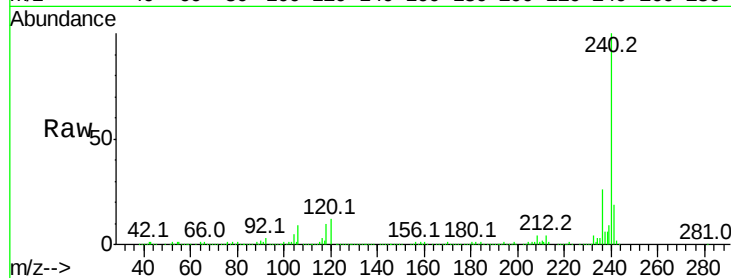
Tot Ion:240 Resp: 322764

Ion Ratio Lower Upper

240 100

120 12.5 12.9 19.3#

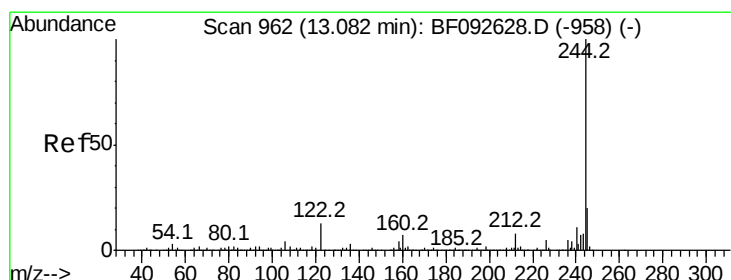
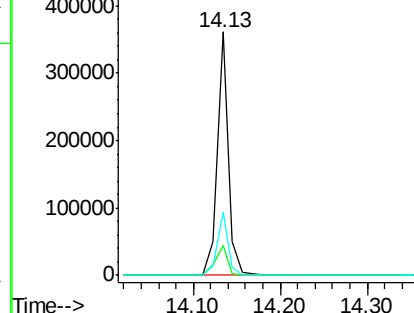
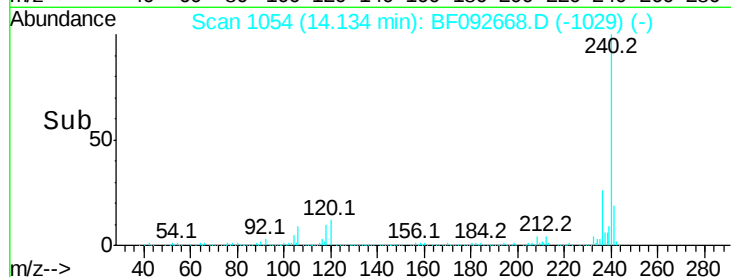
236 25.8 20.9 31.3



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: 78.42 ng

RT: 13.08 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF092668.D

Acq: 31 Jan 2017 8:07

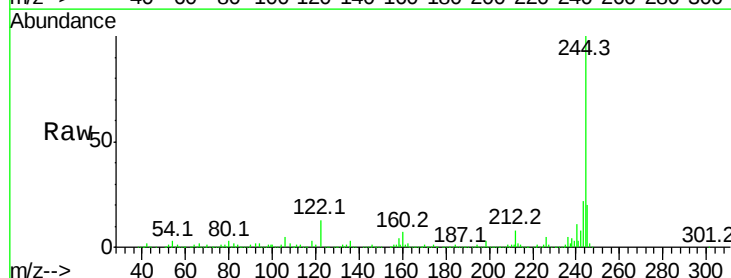
Tgt Ion:244 Resp: 1077205

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

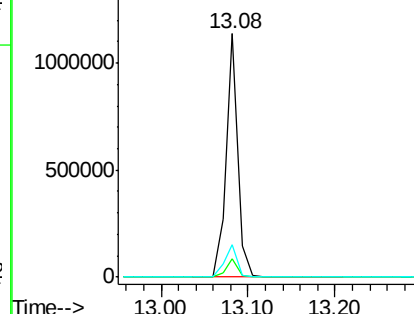
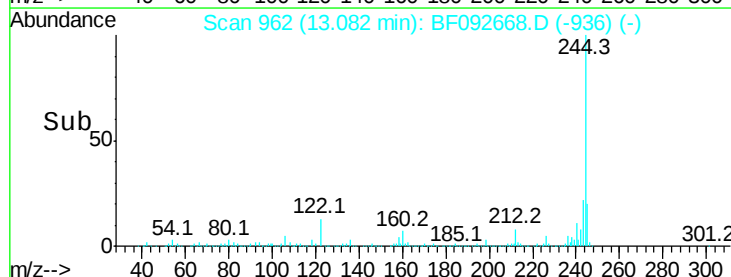
122 13.3 11.4 17.2

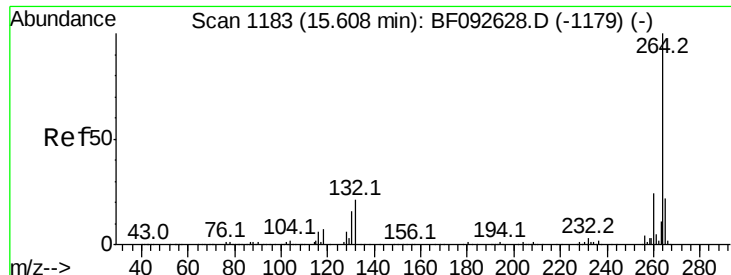


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.61 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BF092668.D
Acq: 31 Jan 2017 8:07

Instrument :
BNA_F
ClientSampleId :
W-20

Tot Ion:	264	Resp:	228641
Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	21.3	17.4	26.0

