

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021517\
 Data File : BF092981.D
 Acq On : 16 Feb 2017 7:22
 Operator : SJ/MA
 Sample : I1822-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 38-WCS021317-15-70

Quant Time: Feb 16 07:50:31 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

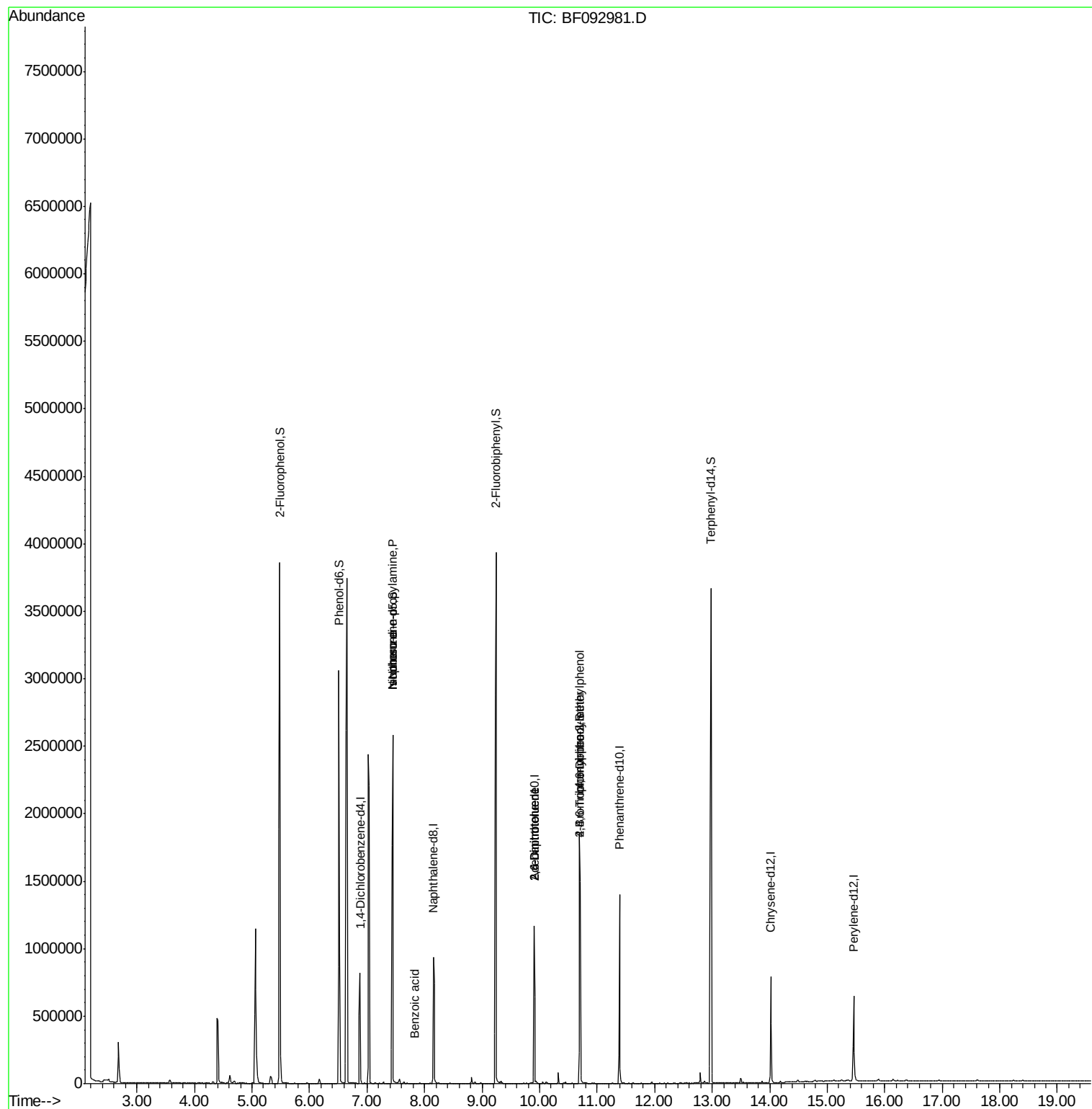
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	154612	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	593503	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	302457	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	473815	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	325867	20.00	ng	-0.03
86) Perylene-d12	15.46	264	283106	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1152271	127.86	ng	0.00
7) Phenol-d6	6.51	99	1223391	105.51	ng	-0.02
23) Nitrobenzene-d5	7.45	82	1086036	101.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	327638	149.77	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1749163	104.77	ng	0.00
78) Terphenyl-d14	12.98	244	1328043	95.76	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	144712	19.60	ng	# 76
25) Isophorone	7.45	82	1023177	51.52	ng	# 65
32) Benzoic acid	7.82	122	274	7.21	ng	# 1
50) 2,6-Dinitrotoluene	9.90	165	38577	8.77	ng	# 31
56) 2,4-Dinitrotoluene	9.90	165	38580	6.59	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.69	198	901	2.96	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	22797	4.61	ng	# 1

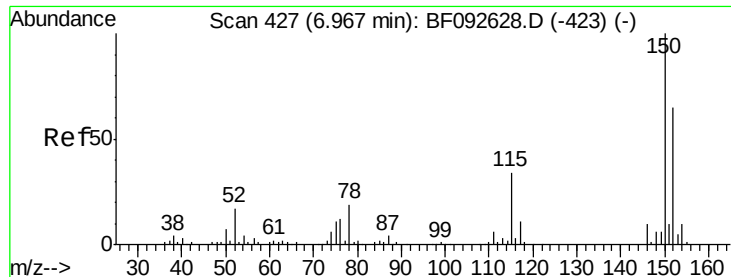
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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38-WCS021317-15-70

Quant Time: Feb 16 07:50:31 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 13 18:04:38 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF092981.D

Acq: 16 Feb 2017 7:22

Instrument :

BNA_F

ClientSampleId :

38-WCS021317-15-70

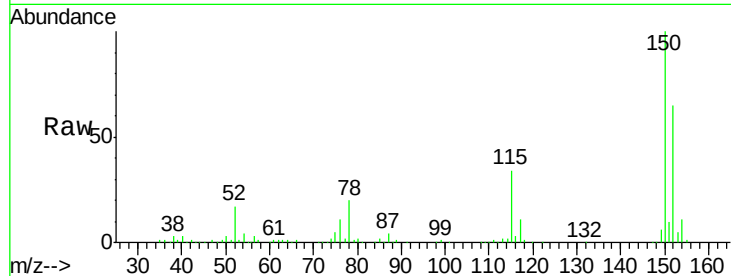
Tgt Ion:152 Resp: 154612

Ion Ratio Lower Upper

152 100

150 154.7 124.9 187.3

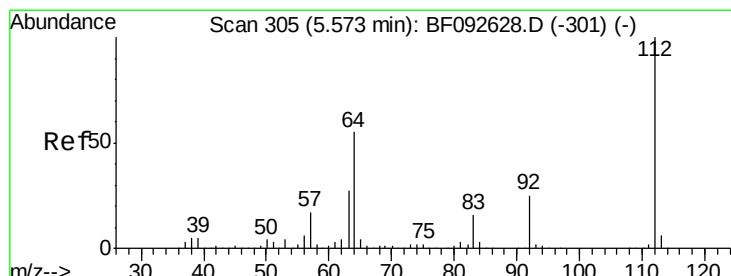
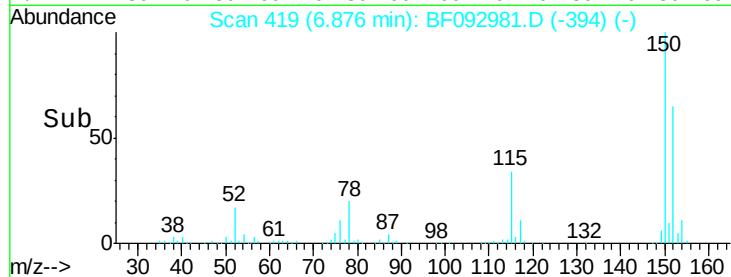
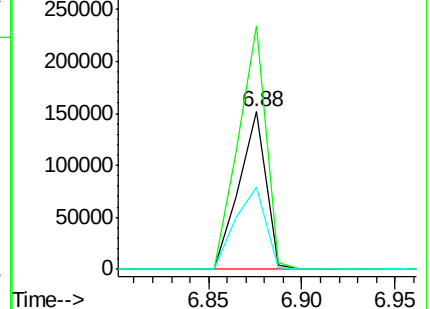
115 52.4 46.0 69.0



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: 127.86 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.00 min

Lab File: BF092981.D

Acq: 16 Feb 2017 7:22

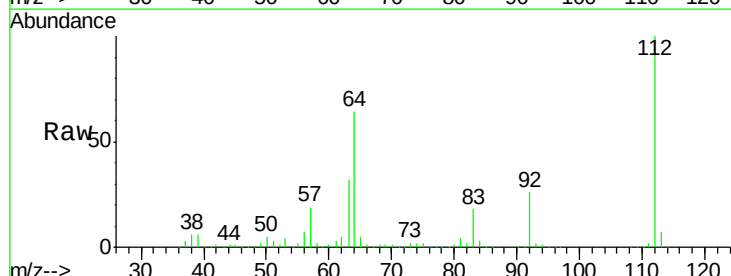
Tgt Ion:112 Resp: 1152271

Ion Ratio Lower Upper

112 100

64 63.6 46.1 69.1

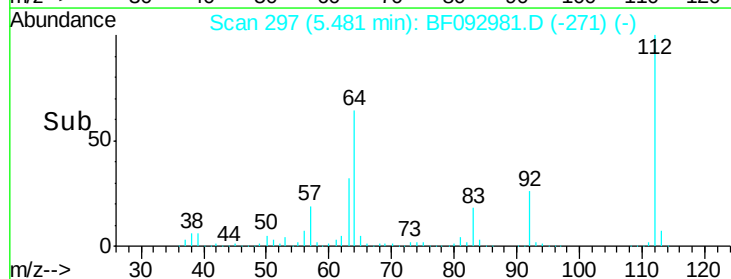
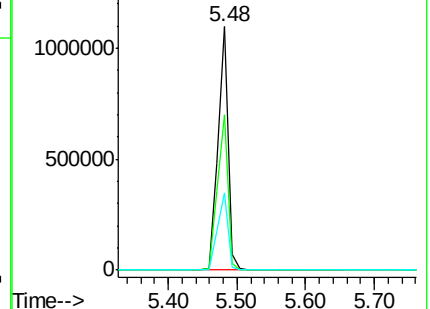
63 31.7 23.8 35.6

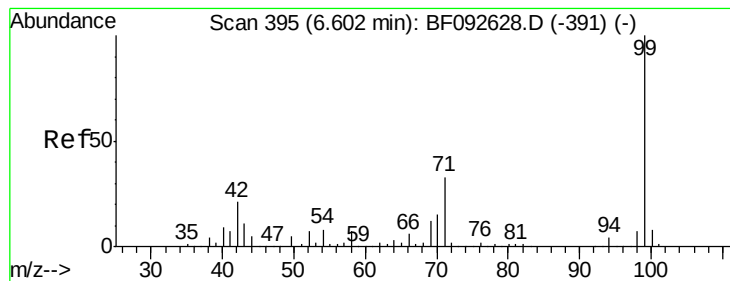


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.51 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF092981.D

Acq: 16 Feb 2017 7:22

Instrument :

BNA_F

ClientSampleId :

38-WCS021317-15-70

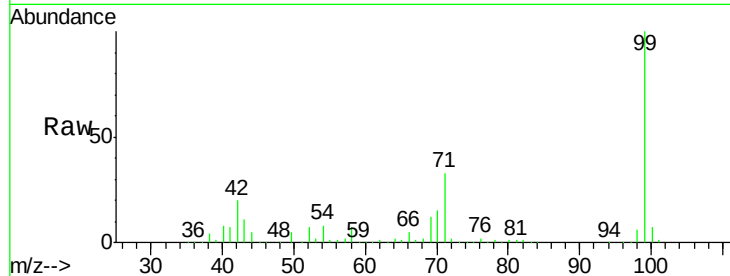
Tgt Ion: 99 Resp: 122391

Ion Ratio Lower Upper

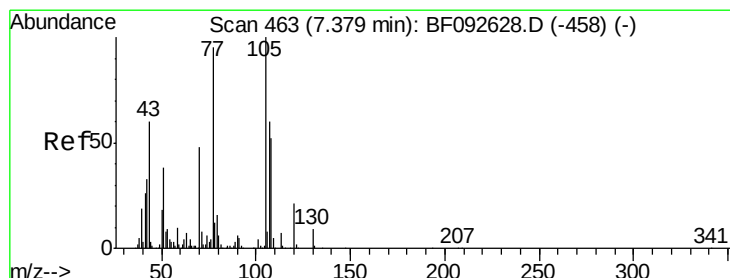
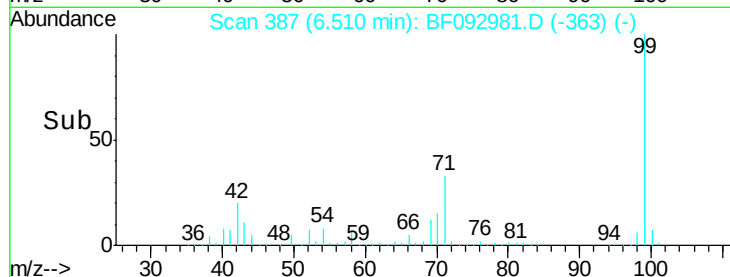
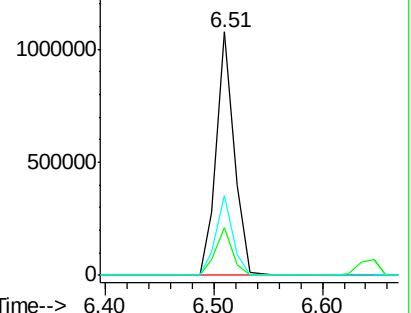
99 100

42 19.7 15.6 23.4

71 32.9 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: 19.60 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.14 min

Lab File: BF092981.D

Acq: 16 Feb 2017 7:22

Tgt Ion: 70 Resp: 144712

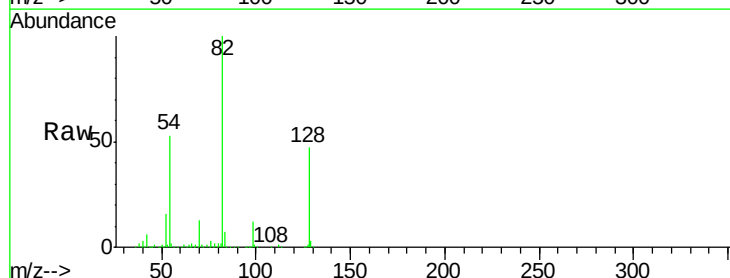
Ion Ratio Lower Upper

70 100

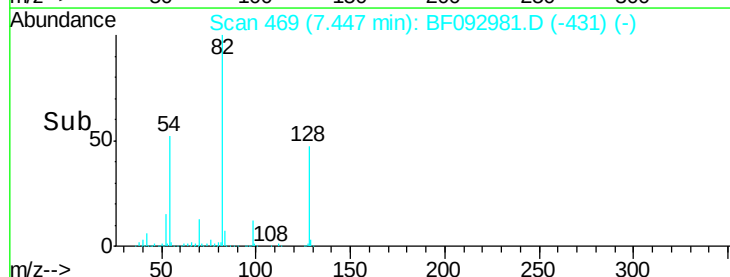
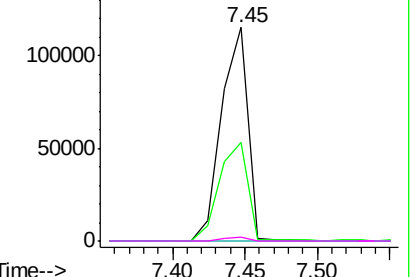
42 46.1 49.4 74.0#

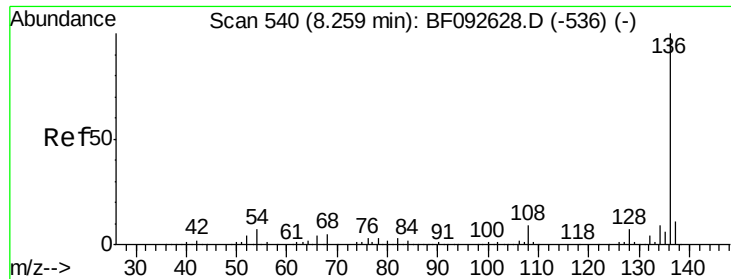
101 0.0 7.4 11.2#

130 2.1 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

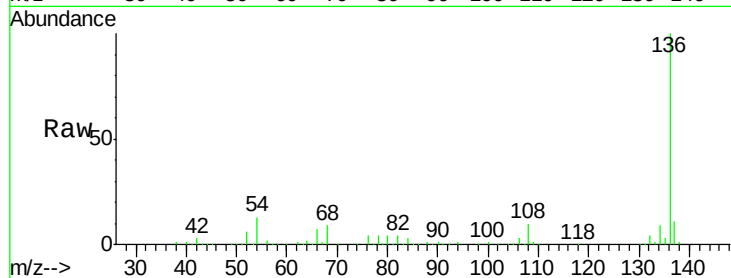




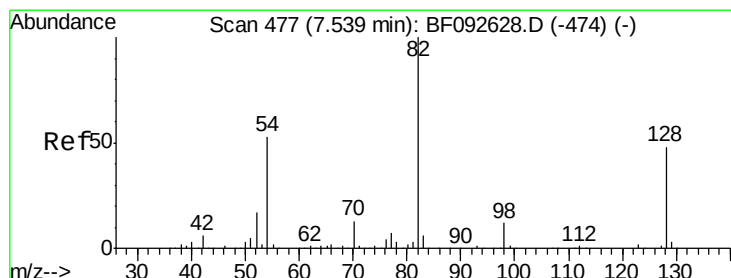
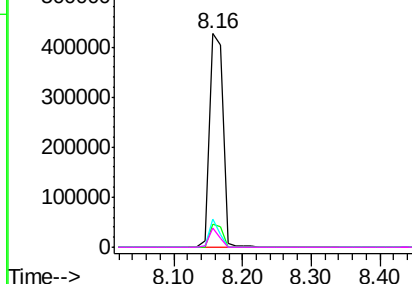
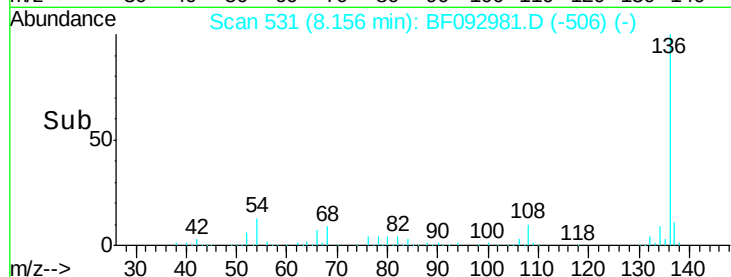
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.01 min
Lab File: BF092981.D
Acq: 16 Feb 2017 7:22

Instrument :
BNA_F
ClientSampleId :
38-WCS021317-15-70

Tgt Ion:	136	Resp:	593503
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.4	12.6
54	13.0	4.5	6.7#
68	8.7	3.6	5.4#

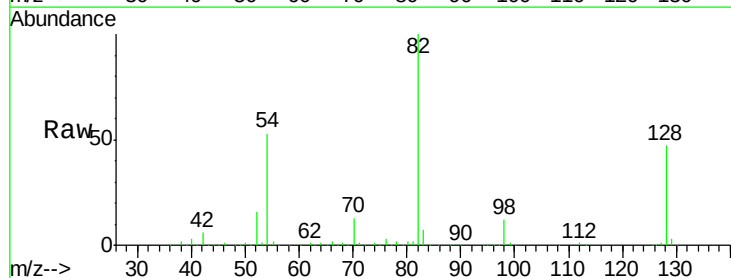


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

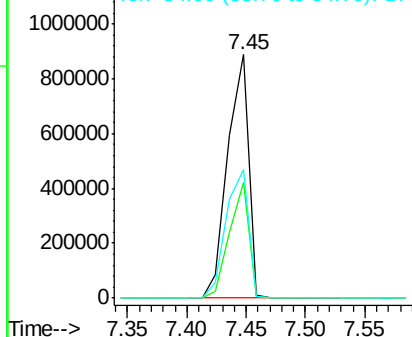
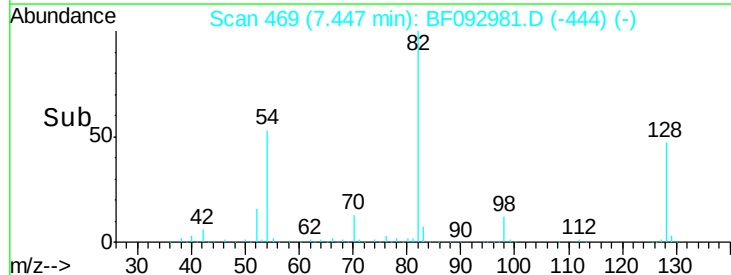


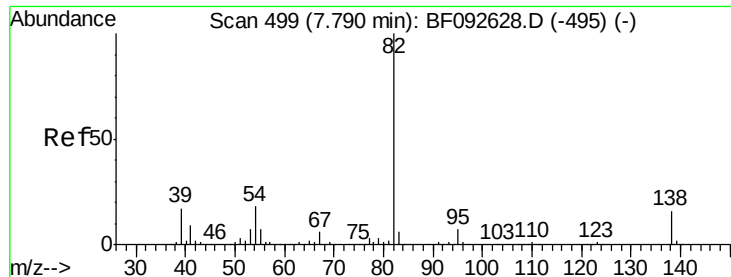
#23
Nitrobenzene-d5
Concen: 101.90 ng
RT: 7.45 min Scan# 469
Delta R.T. -0.01 min
Lab File: BF092981.D
Acq: 16 Feb 2017 7:22

Tgt Ion:	82	Resp:	1086036
Ion Ratio	Lower	Upper	
82	100		
128	47.4	34.6	52.0
54	52.5	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: 51.52 ng

RT: 7.45 min Scan# 469

Delta R.T. -0.26 min

Lab File: BF092981.D

Acq: 16 Feb 2017 7:22

Instrument :

BNA_F

ClientSampleId :

38-WCS021317-15-70

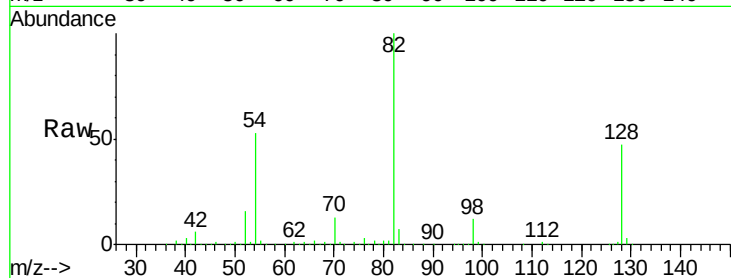
Tgt Ion: 82 Resp: 1023177

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

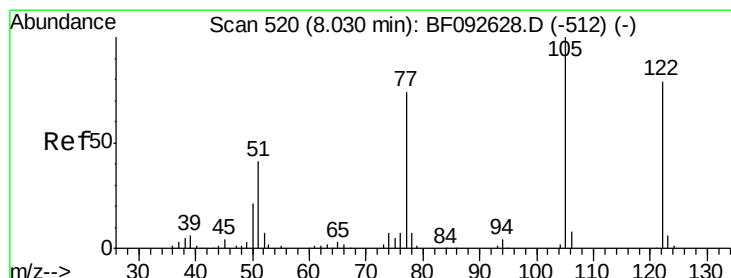
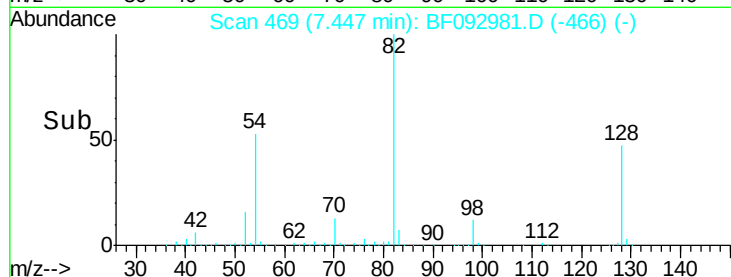
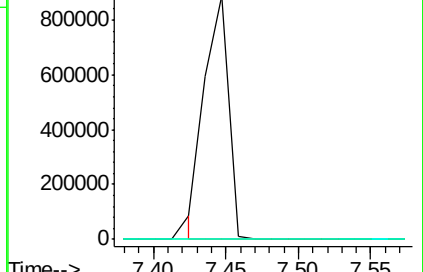
138 0.0 14.6 22.0#



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



#32

Benzoic acid

Concen: 7.21 ng

RT: 7.82 min Scan# 502

Delta R.T. -0.15 min

Lab File: BF092981.D

Acq: 16 Feb 2017 7:22

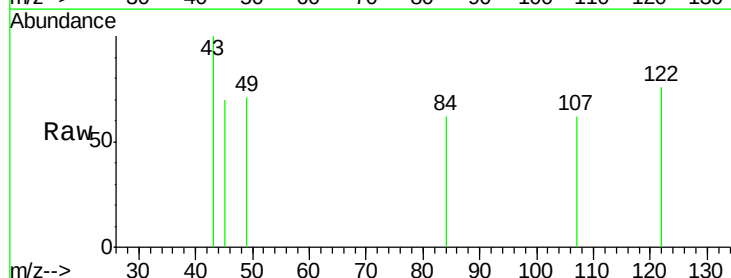
Tgt Ion: 122 Resp: 274

Ion Ratio Lower Upper

122 100

105 0.0 107.2 147.2#

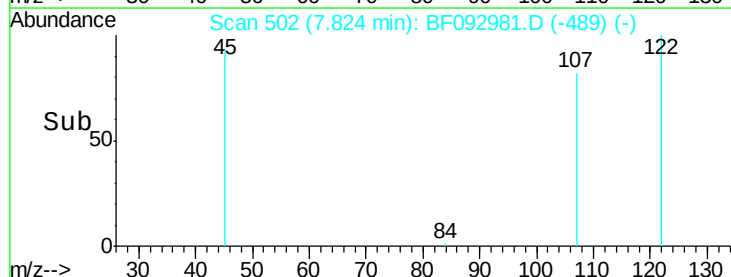
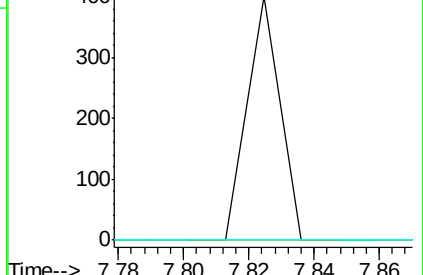
77 0.0 74.5 114.5#

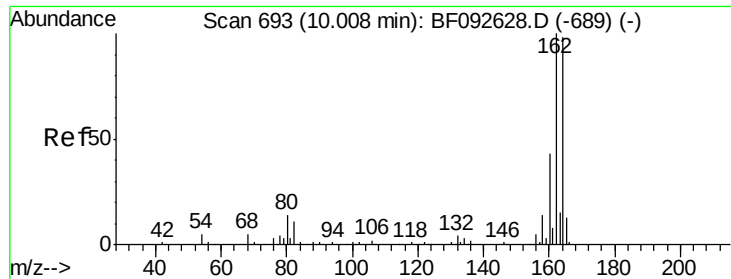


Abundance Ion 122.00 (121.70 to 122.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF092981.D

Acq: 16 Feb 2017 7:22

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38-WCS021317-15-70

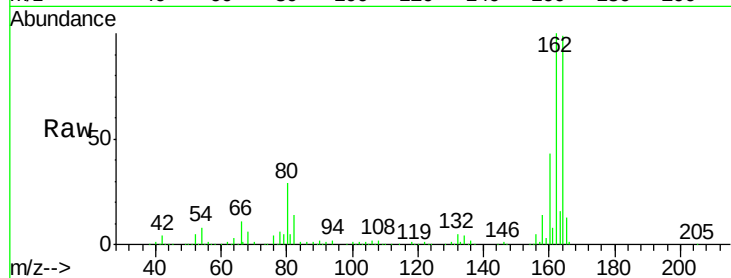
Tgt Ion:164 Resp: 302457

Ion Ratio Lower Upper

164 100

162 101.4 80.2 120.2

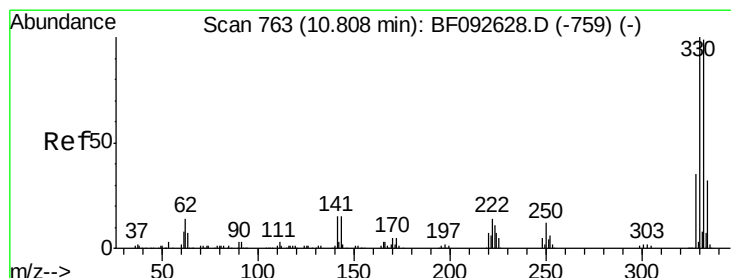
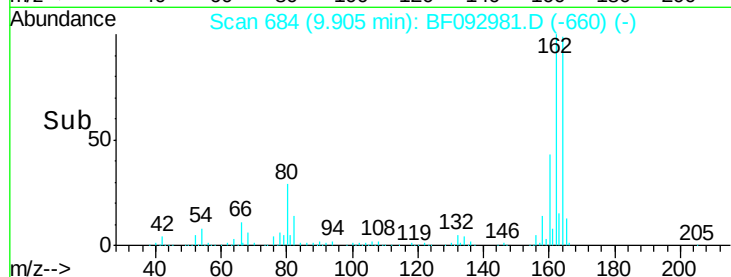
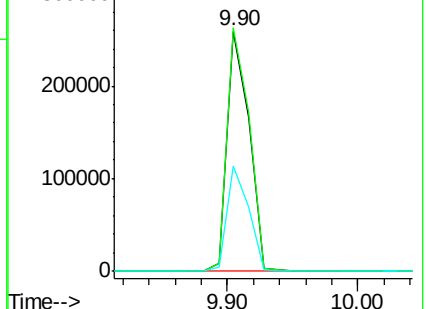
160 44.0 36.9 55.3



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: 149.77 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF092981.D

Acq: 16 Feb 2017 7:22

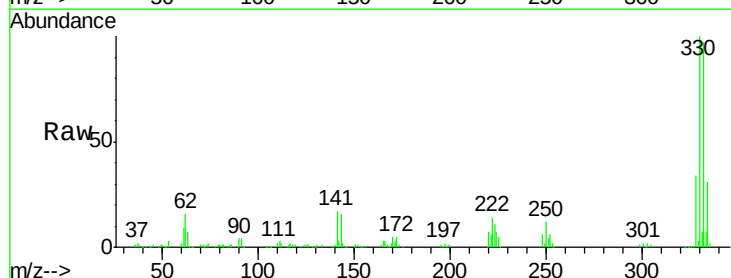
Tgt Ion:330 Resp: 327638

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.2

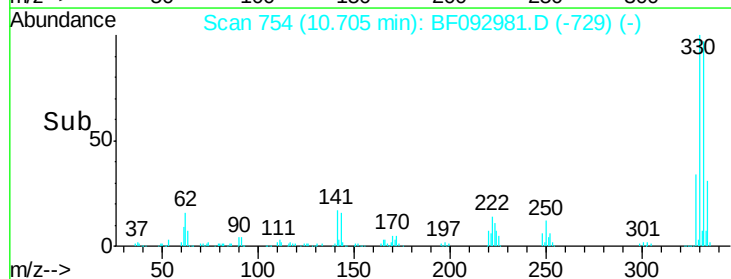
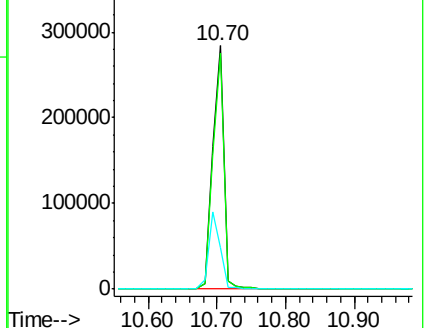
141 32.5 34.1 51.1#

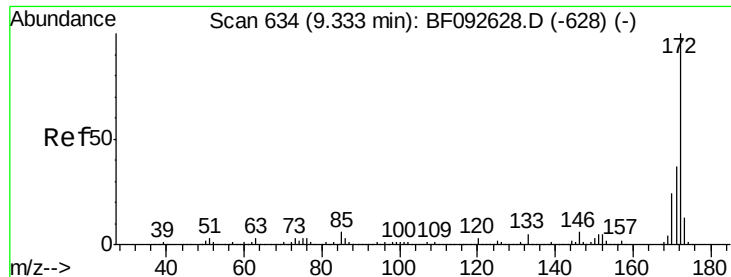


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

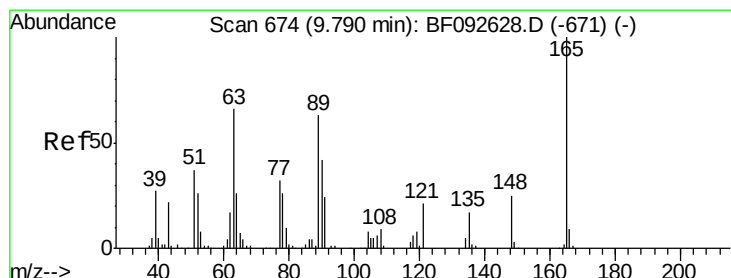
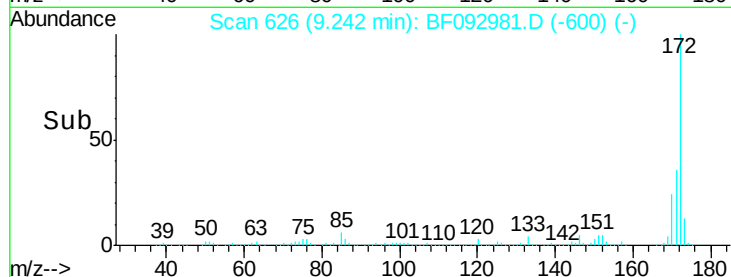
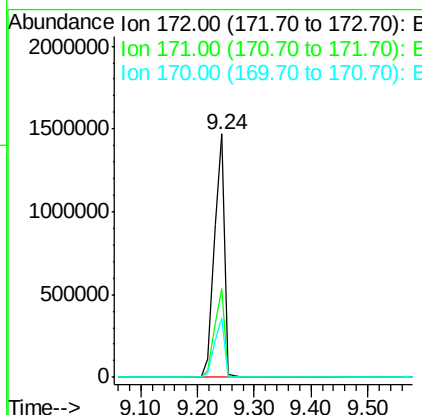
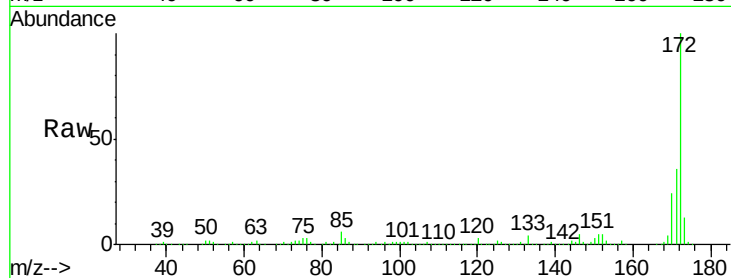




#44
 2-Fluorobiphenyl
 Concen: 104.77 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.00 min
 Lab File: BF092981.D
 Acq: 16 Feb 2017 7:22

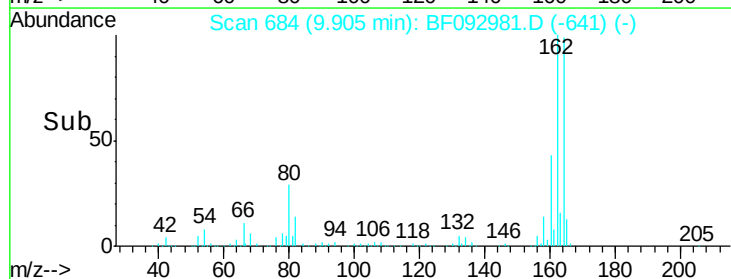
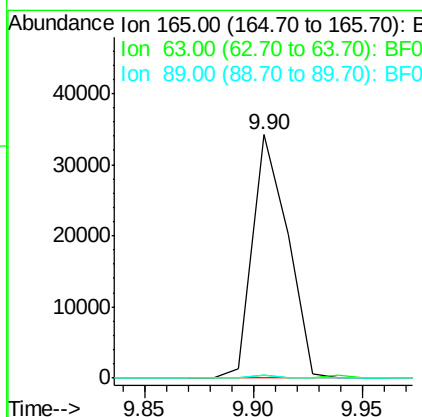
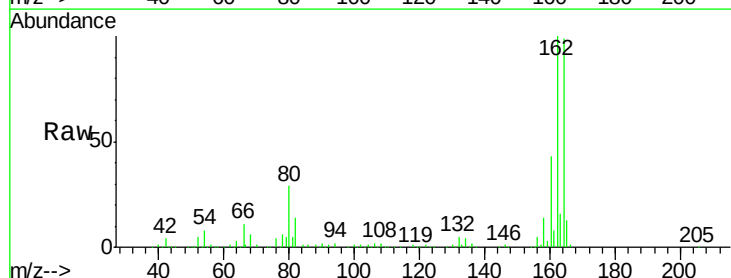
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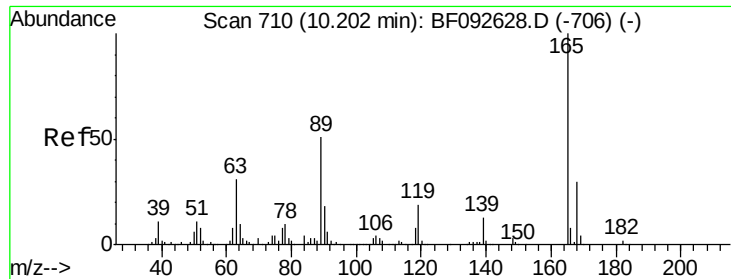
Tgt Ion:172 Resp: 1749163
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.3 20.2 30.4



#50
 2,6-Dinitrotoluene
 Concen: 8.77 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.19 min
 Lab File: BF092981.D
 Acq: 16 Feb 2017 7:22

Tgt Ion:165 Resp: 38577
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.2 54.4#
 89 1.2 40.2 60.4#

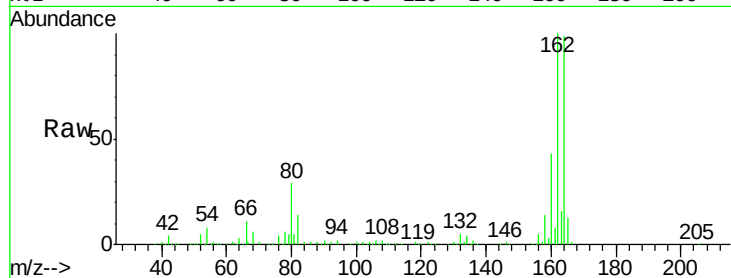




#56
 2,4-Dinitrotoluene
 Concen: 6.59 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.22 min
 Lab File: BF092981.D
 Acq: 16 Feb 2017 7:22

Instrument :
 BNA_F
 ClientSampleId :
 38-WCS021317-15-70

Tgt Ion:	165	Resp:	38580
Ion	Ratio	Lower	Upper
165	100		
63	1.1	40.2	60.4#
89	1.2	62.5	93.7#
182	0.0	1.8	2.8#

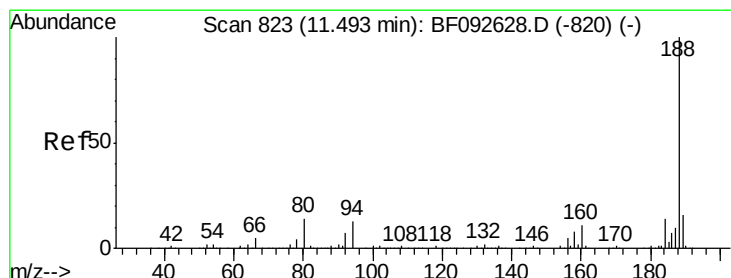
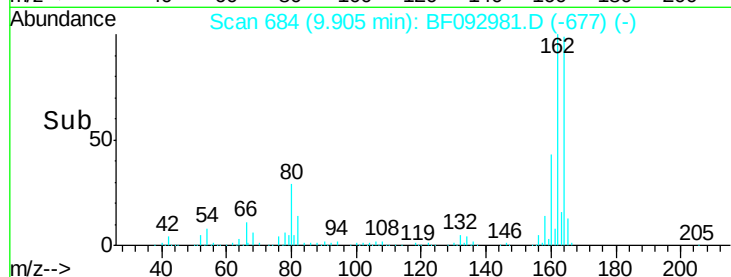
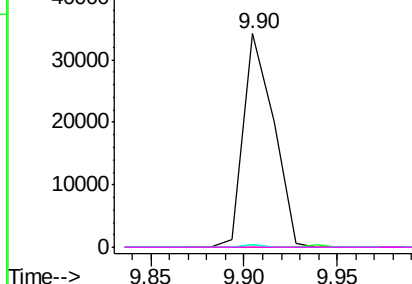


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

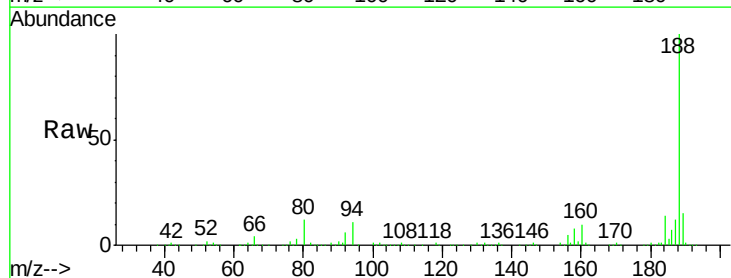
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF092981.D
 Acq: 16 Feb 2017 7:22

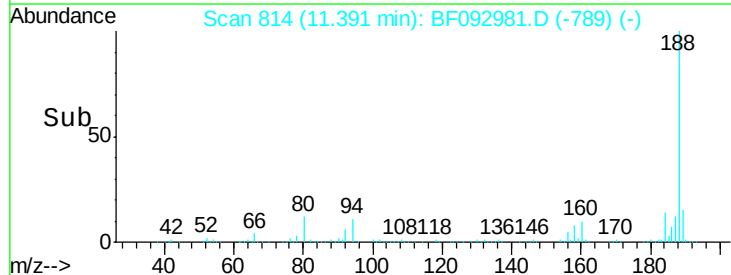
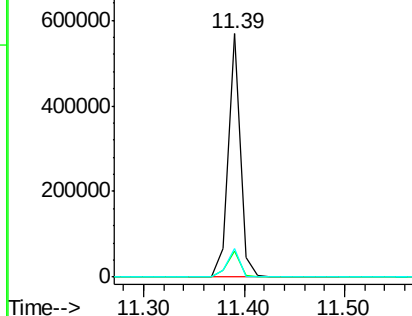
Tgt Ion:	188	Resp:	473815
Ion	Ratio	Lower	Upper
188	100		
94	10.9	10.0	15.0
80	11.5	11.2	16.8

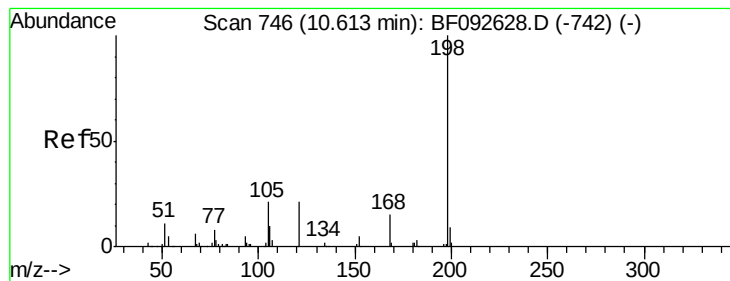


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.96 ng

RT: 10.69 min Scan# 753

Delta R.T. 0.16 min

Lab File: BF092981.D

Acq: 16 Feb 2017 7:22

Instrument :

BNA_F

ClientSampleId :

38-WCS021317-15-70

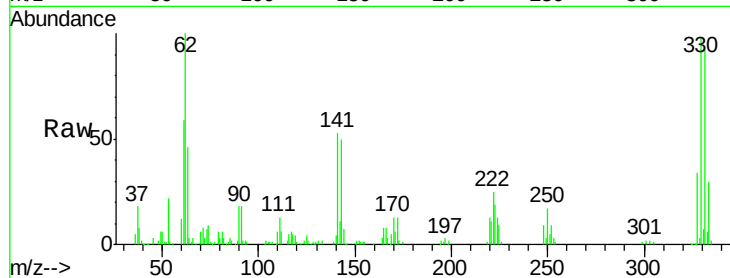
Tgt Ion:198 Resp: 901

Ion Ratio Lower Upper

198 100

51 187.9 6.7 46.7#

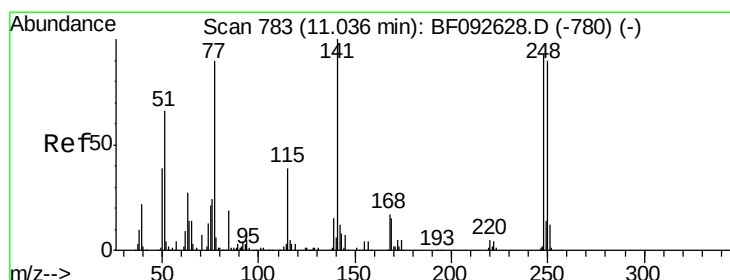
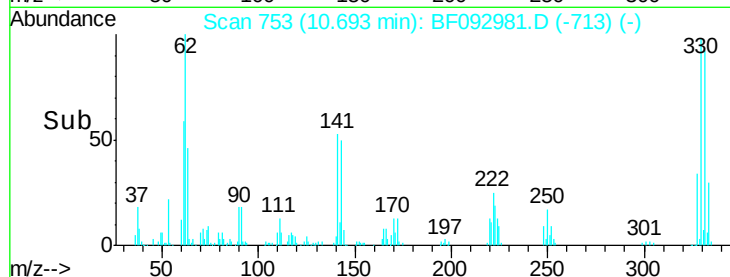
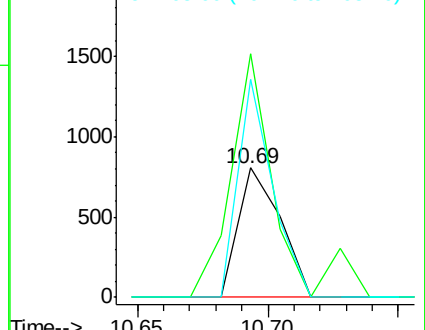
105 168.5 16.6 56.6#



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: 4.61 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.25 min

Lab File: BF092981.D

Acq: 16 Feb 2017 7:22

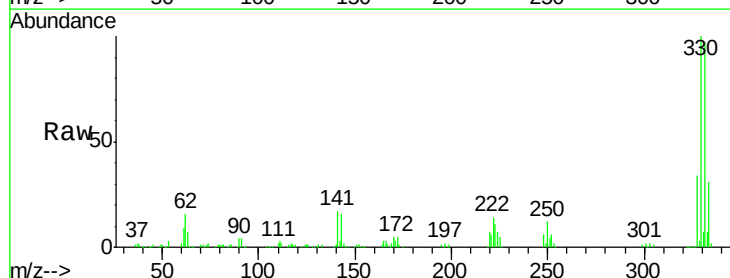
Tgt Ion:248 Resp: 22797

Ion Ratio Lower Upper

248 100

250 201.4 76.9 115.3#

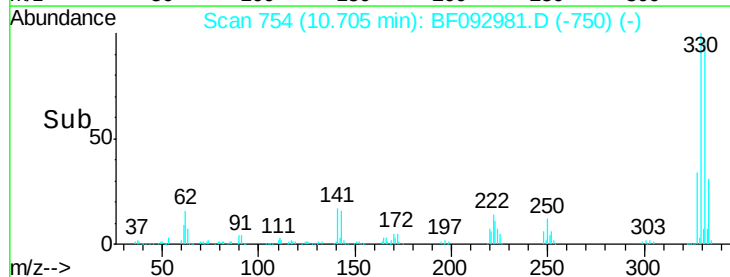
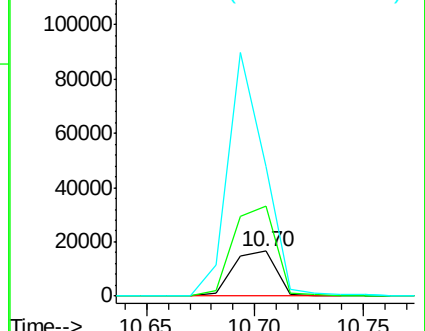
141 290.4 68.2 102.4#

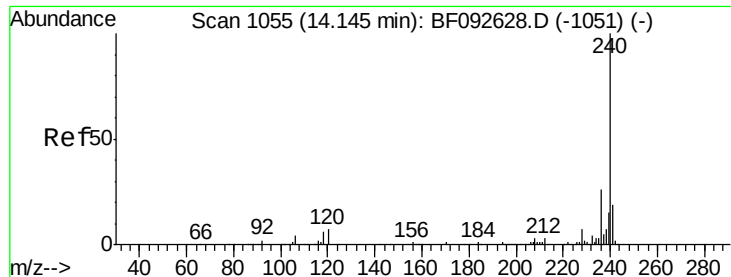


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF092981.D

Acq: 16 Feb 2017 7:22

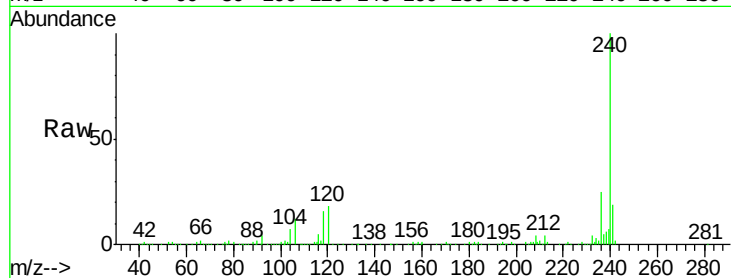
Instrument :

BNA_F

ClientSampleId :

38-WCS021317-15-70

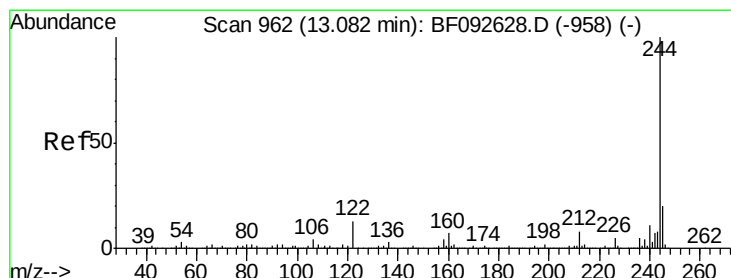
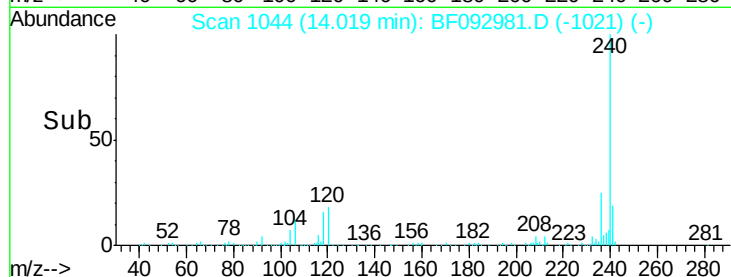
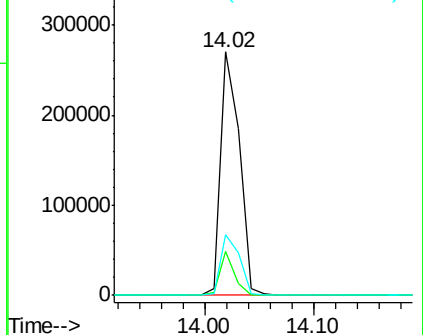
Tgt Ion:	240	Resp:	325867
Ion Ratio	Lower	Upper	
240	100		
120	17.9	12.9	19.3
236	25.1	20.9	31.3



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: 95.76 ng

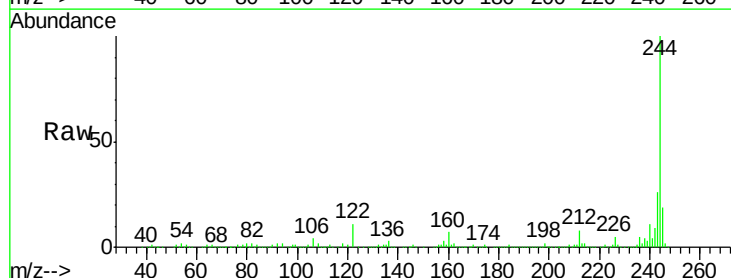
RT: 12.98 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF092981.D

Acq: 16 Feb 2017 7:22

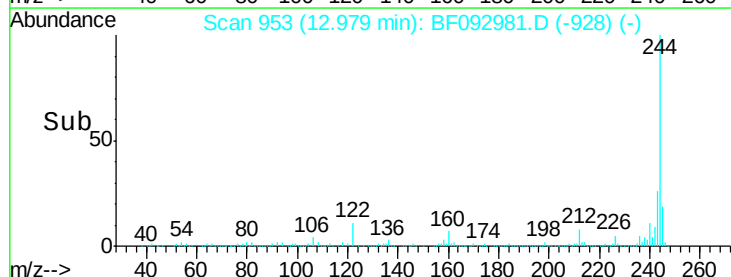
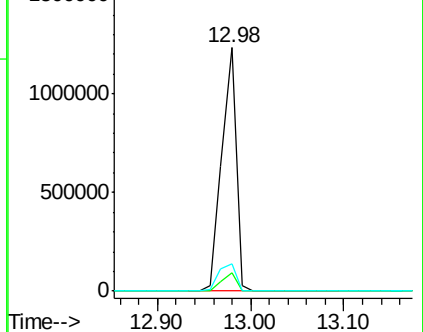
Tgt Ion:	244	Resp:	1328043
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.2	9.2
122	11.2	11.4	17.2

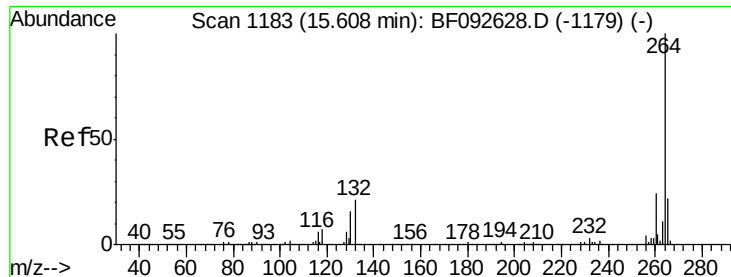


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.46 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF092981.D
Acq: 16 Feb 2017 7:22

Instrument :
BNA_F
ClientSampleId :
38-WCS021317-15-70

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	20.9	17.4	26.0

