

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121316\
 Data File : BF091577.D
 Acq On : 14 Dec 2016 3:48
 Operator : UM/SJ
 Sample : PB95306BL
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 04:17:55 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

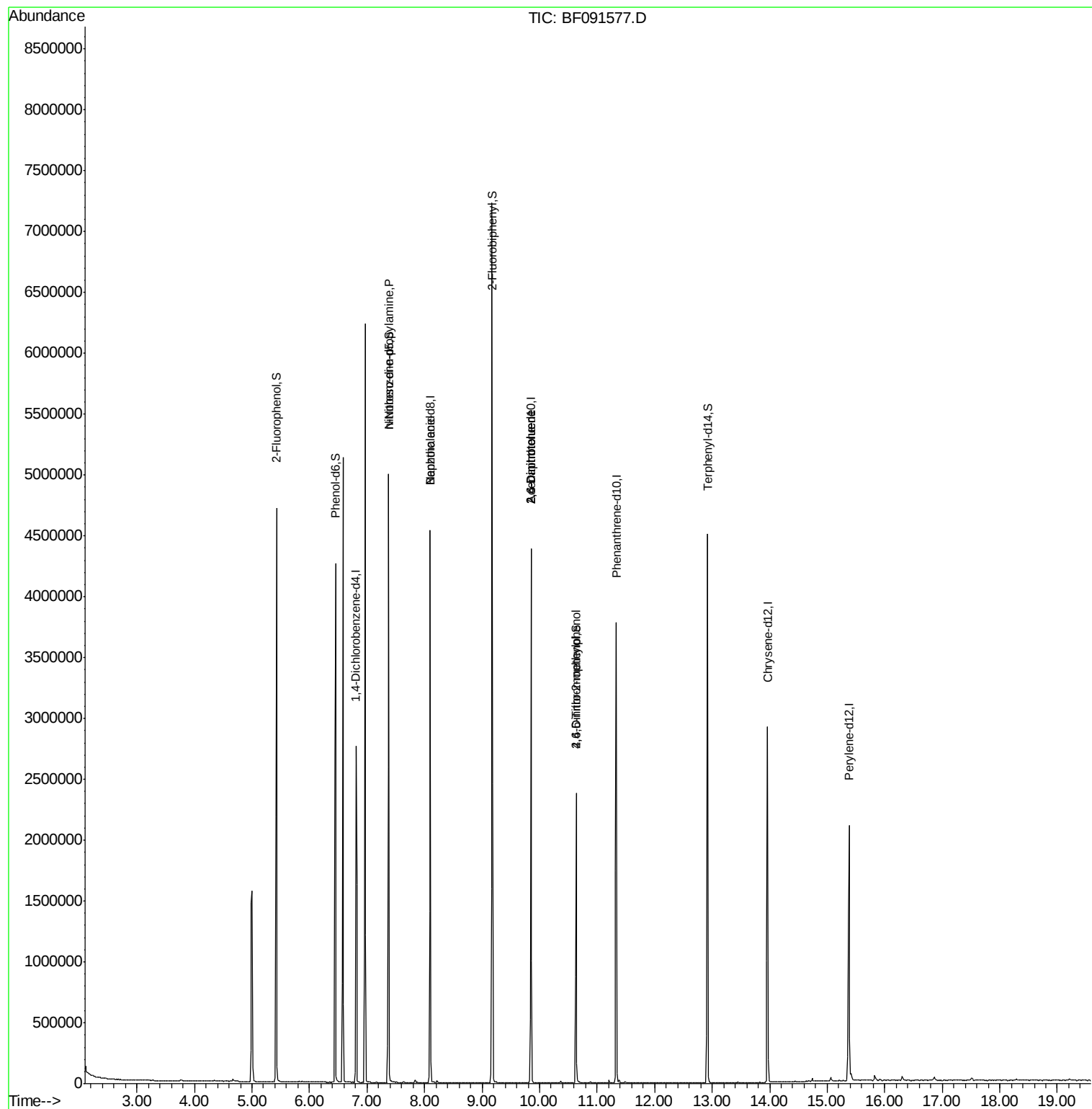
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	510196	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	2055126	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	953765	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	1524197	20.00	ng	0.00
75) Chrysene-d12	13.96	240	1047674	20.00	ng	0.00
86) Perylene-d12	15.38	264	1041418	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1397041	46.13	ng	0.01
7) Phenol-d6	6.45	99	1842525	48.80	ng	0.00
23) Nitrobenzene-d5	7.38	82	1931970	52.47	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	290233	36.64	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	2633412	47.71	ng	-0.01
78) Terphenyl-d14	12.92	244	2231033	48.32	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	260617	11.04	ng	# 63
32) Benzoic acid	8.10	122	414	4.91	ng	# 1
50) 2,6-Dinitrotoluene	9.85	165	125836	9.49	ng	# 16
56) 2,4-Dinitrotoluene	9.85	165	125848	7.57	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.64	198	633	3.01	ng	# 48

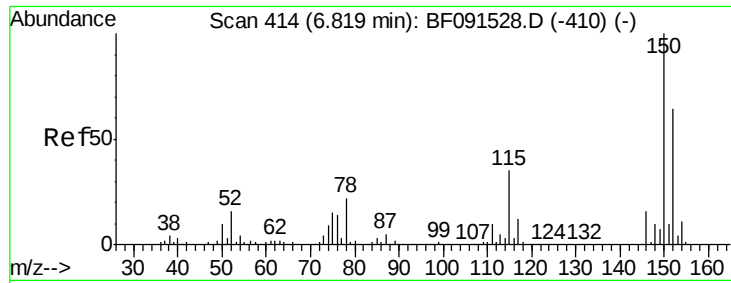
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 14 04:17:55 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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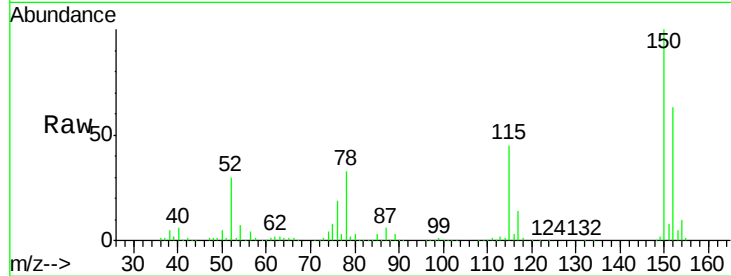


#1

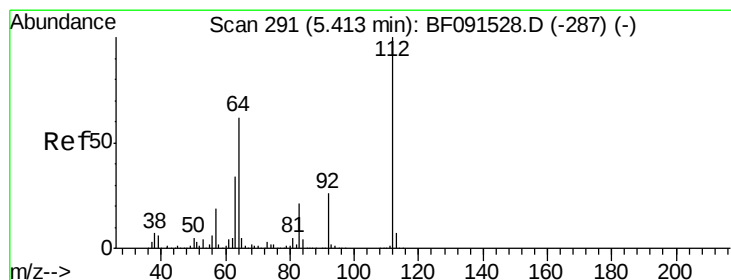
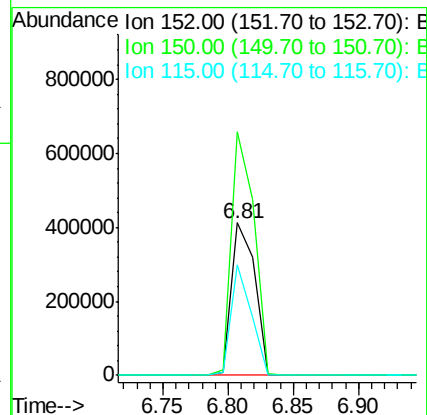
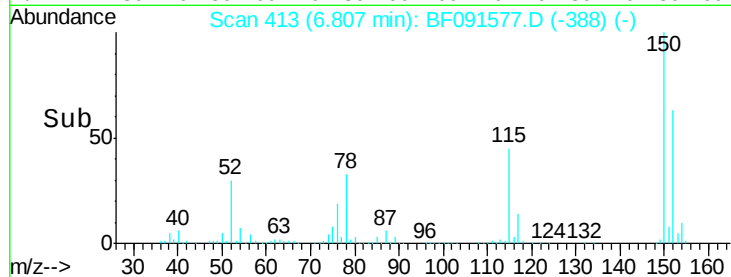
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.01 min
 Lab File: BF091577.D
 Acq: 14 Dec 2016 3:48

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:152 Resp: 510196
 Ion Ratio Lower Upper
 152 100
 150 159.5 122.5 183.7
 115 72.0 51.8 77.8



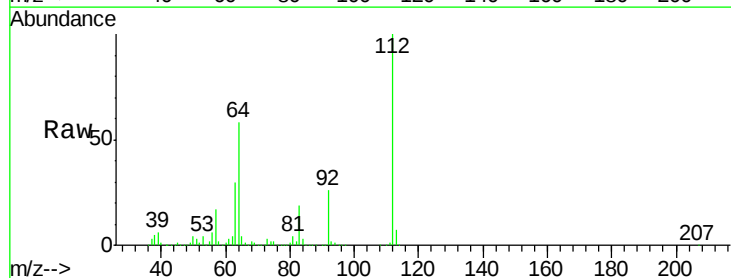
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



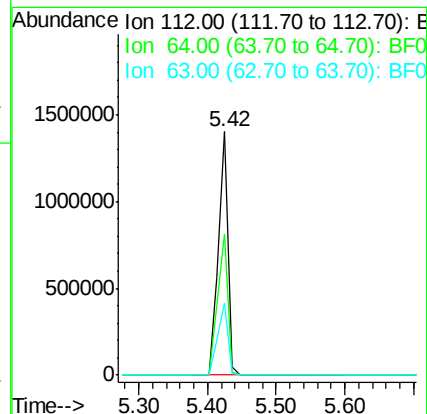
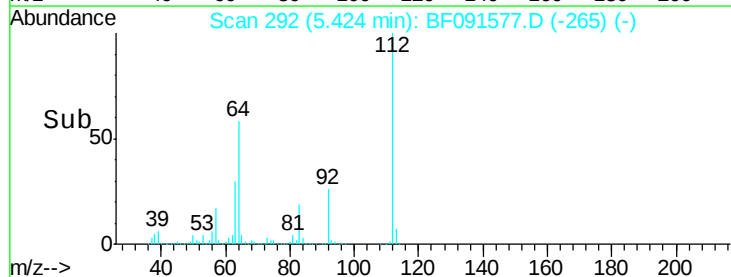
#5

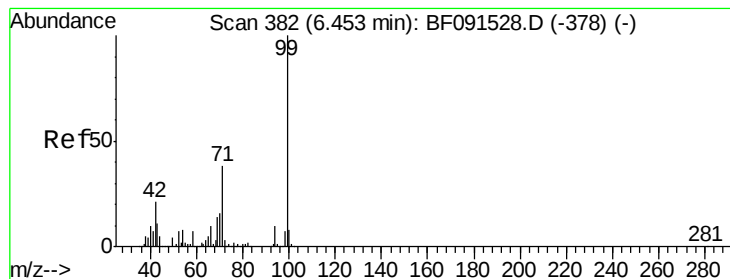
2-Fluorophenol
 Concen: 46.13 ng
 RT: 5.42 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: BF091577.D
 Acq: 14 Dec 2016 3:48

Tgt Ion:112 Resp: 1397041
 Ion Ratio Lower Upper
 112 100
 64 57.8 61.5 92.3#
 63 29.7 33.3 49.9#



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: 48.80 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF091577.D

Acq: 14 Dec 2016 3:48

Instrument :

BNA_F

ClientSampleId :

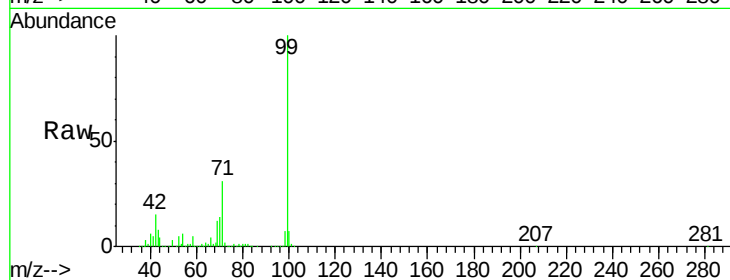
Tgt Ion: 99 Resp: 1842525

Ion Ratio Lower Upper

99 100

42 15.1 20.6 31.0#

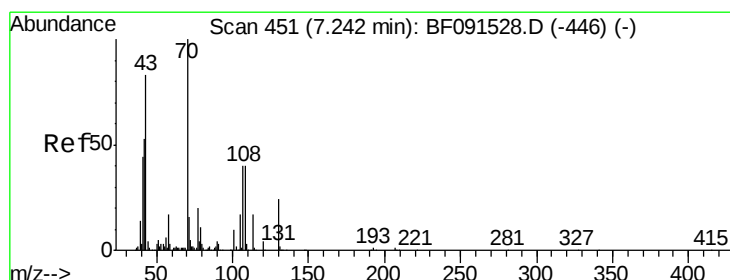
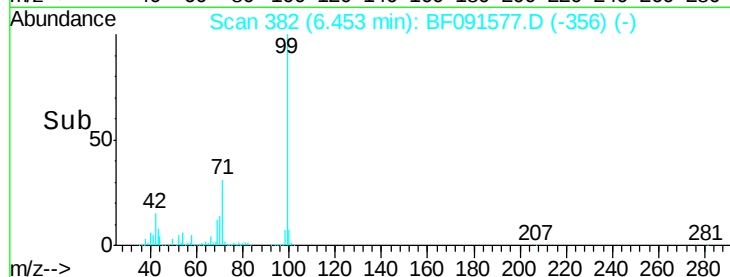
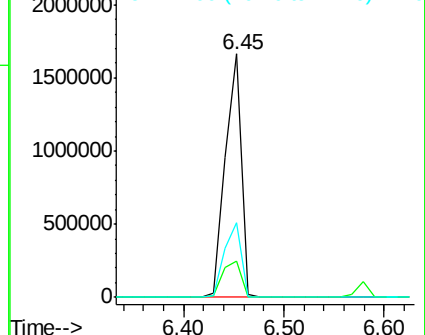
71 30.6 29.9 44.9



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: 11.04 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.14 min

Lab File: BF091577.D

Acq: 14 Dec 2016 3:48

Tgt Ion: 70 Resp: 260617

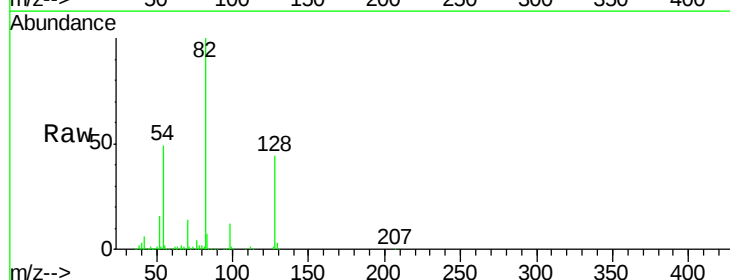
Ion Ratio Lower Upper

70 100

42 45.6 64.8 97.2#

101 0.0 6.2 9.4#

130 2.3 11.7 17.5#

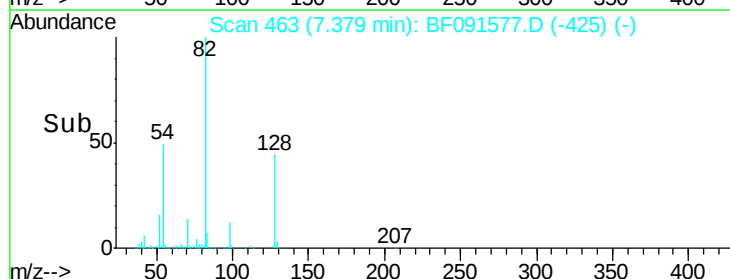
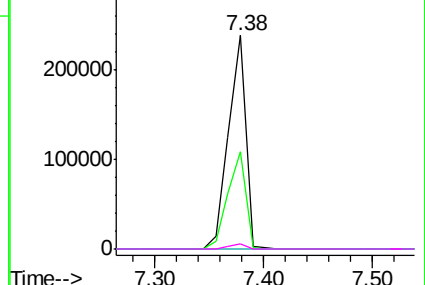


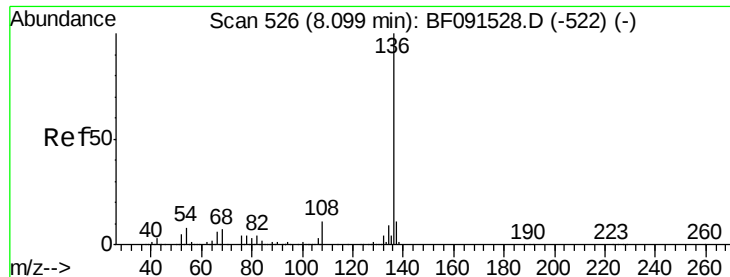
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

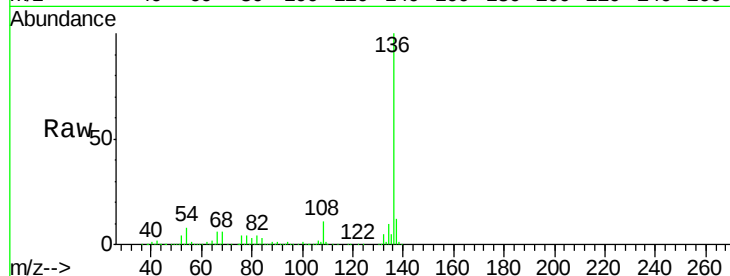




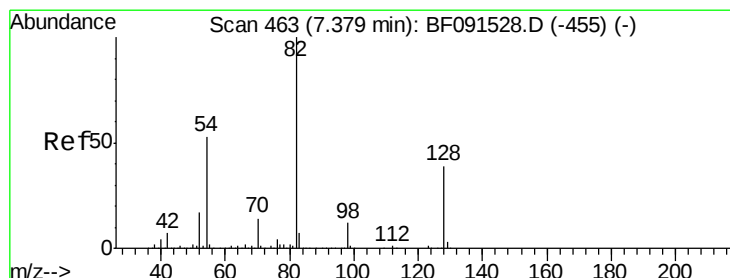
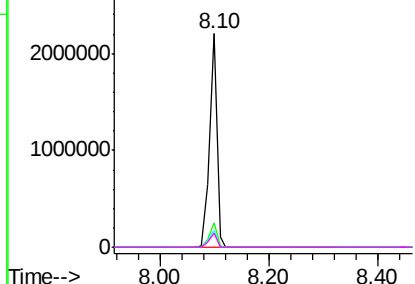
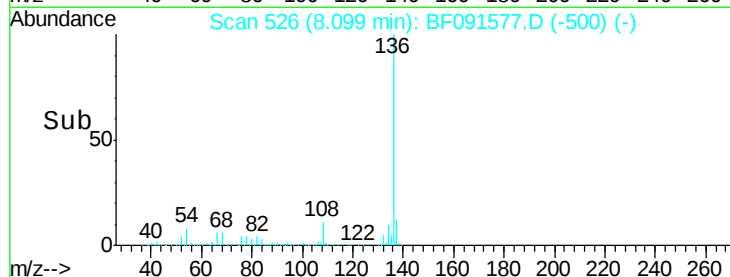
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.00 min
Lab File: BF091577.D
Acq: 14 Dec 2016 3:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 2055126
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 7.9 9.1 13.7#
68 6.4 5.9 8.9

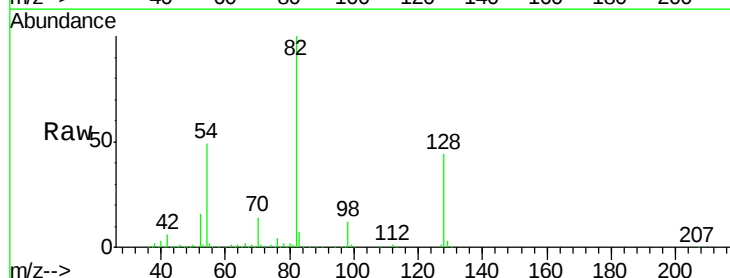


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

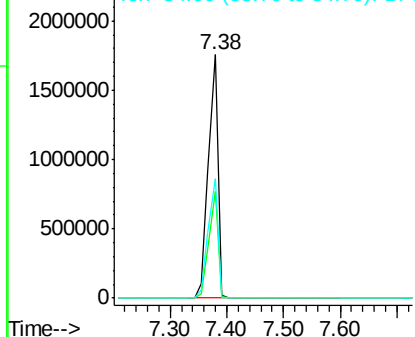
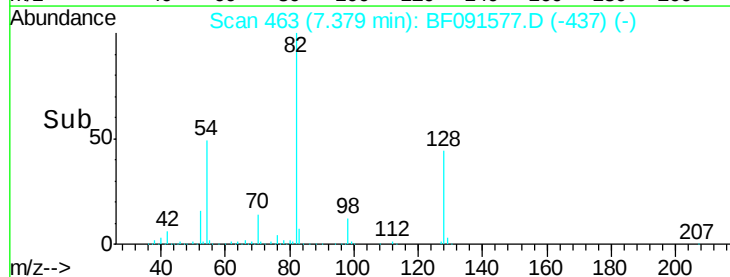


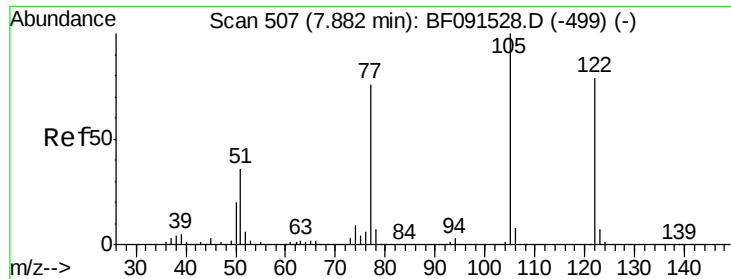
#23
Nitrobenzene-d5
Concen: 52.47 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.00 min
Lab File: BF091577.D
Acq: 14 Dec 2016 3:48

Tgt Ion: 82 Resp: 1931970
Ion Ratio Lower Upper
82 100
128 43.8 31.8 47.6
54 49.1 49.1 73.7#



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





#32

Benzoic acid

Concen: 4.91 ng

RT: 8.10 min Scan# 526

Delta R.T. 0.22 min

Lab File: BF091577.D

Acq: 14 Dec 2016 3:48

Instrument :

BNA_F

ClientSampleId :

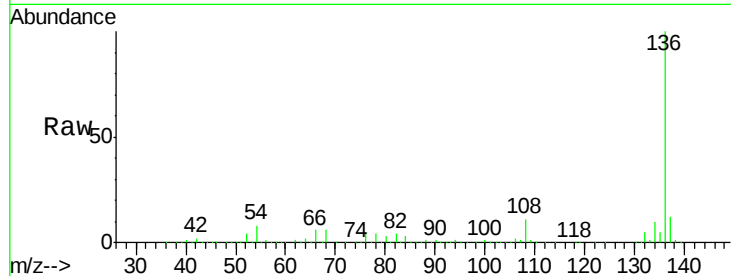
Tgt Ion:122 Resp: 414

Ion Ratio Lower Upper

122 100

105 329.2 113.0 153.0#

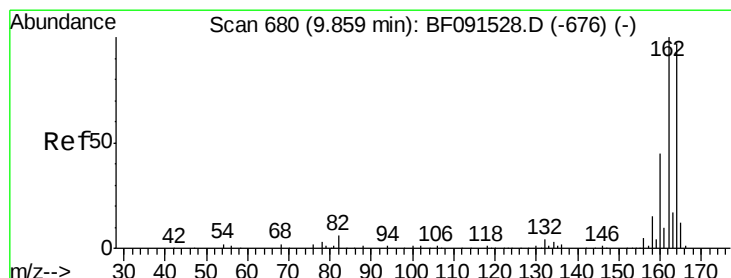
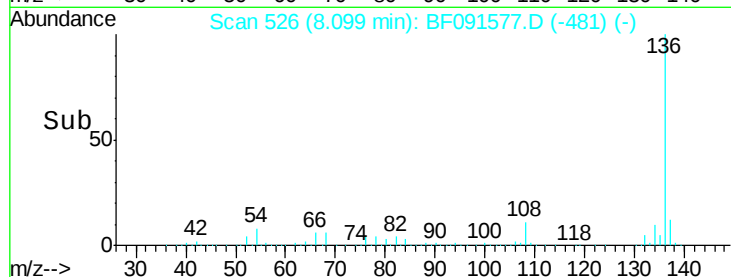
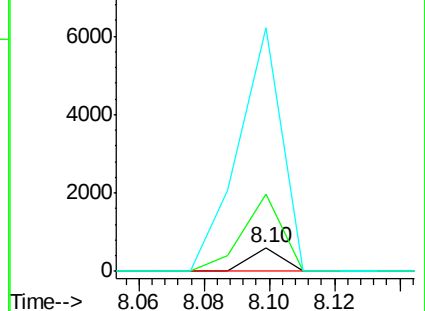
77 1030.7 82.0 122.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF091577.D

Acq: 14 Dec 2016 3:48

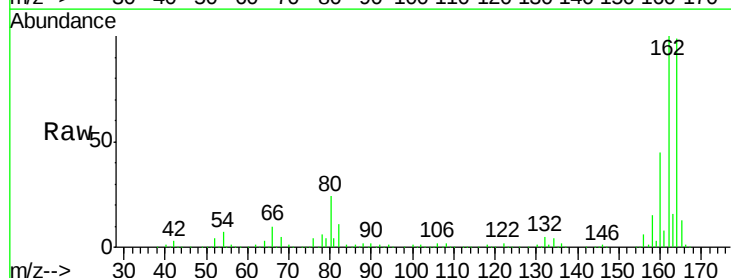
Tgt Ion:164 Resp: 953765

Ion Ratio Lower Upper

164 100

162 100.8 82.6 124.0

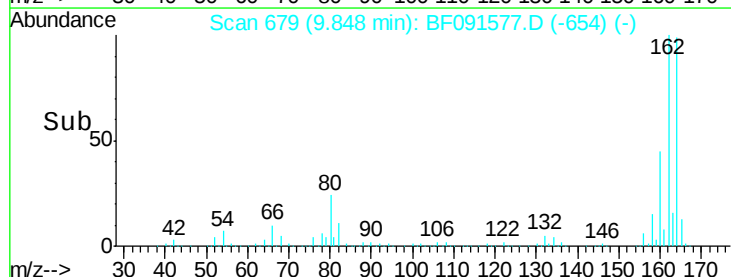
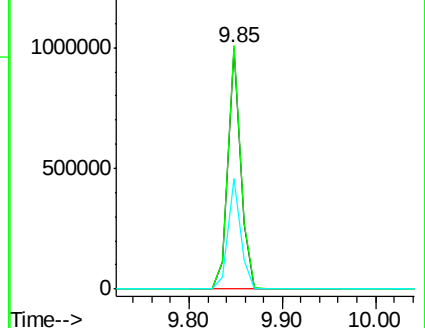
160 45.8 36.7 55.1

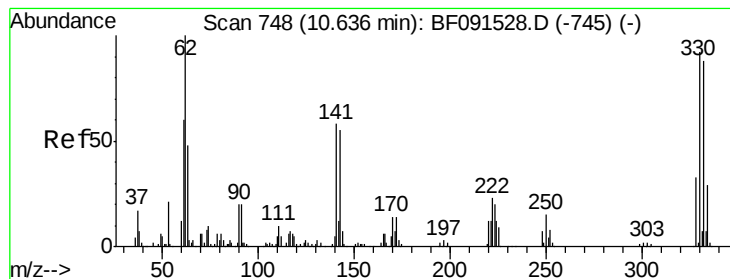


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

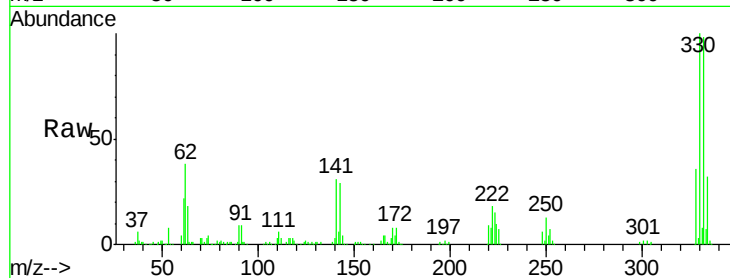




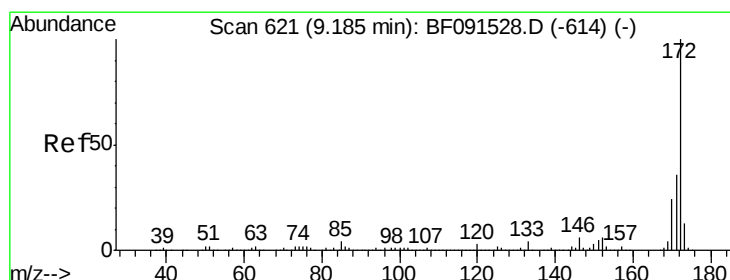
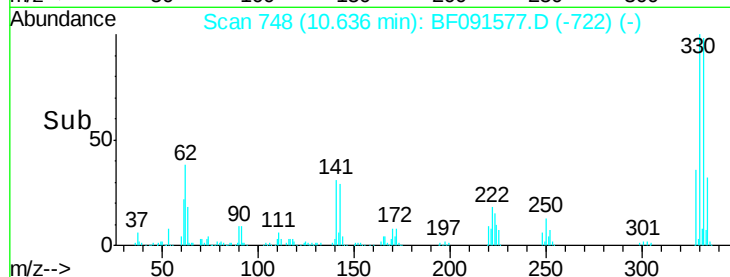
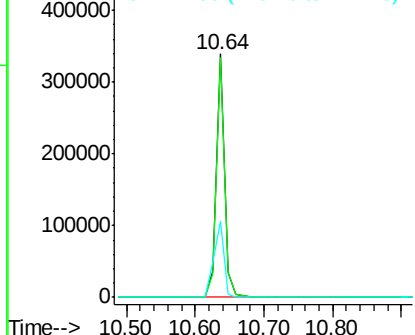
#41
 2,4,6-Tribromophenol
 Concen: 36.64 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF091577.D
 Acq: 14 Dec 2016 3:48

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:330 Resp: 290233
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.2 114.4
 141 37.9 33.6 50.4

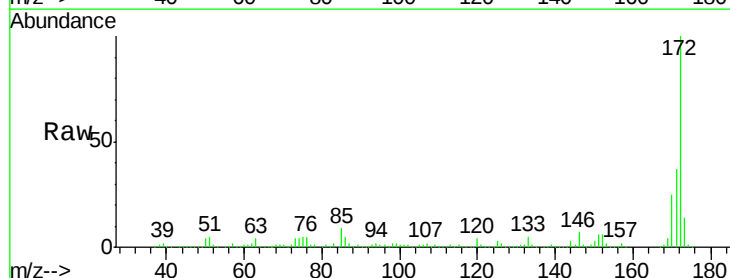


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

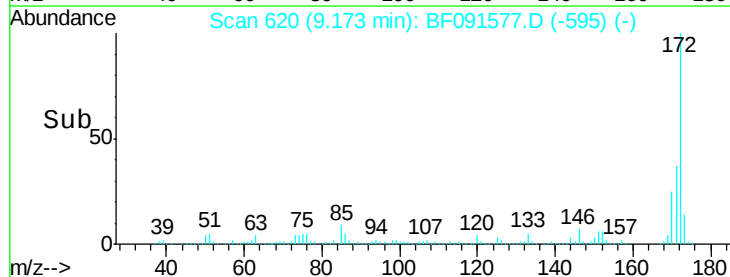
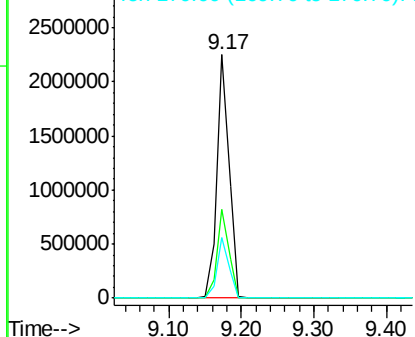


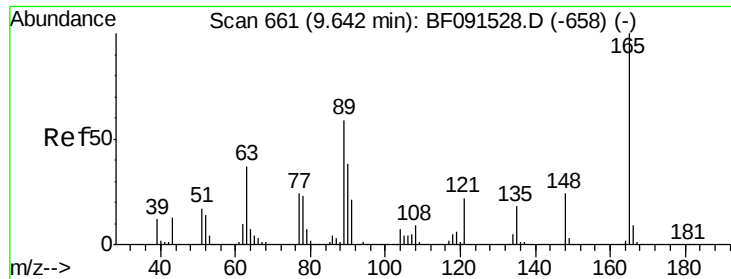
#44
 2-Fluorobiphenyl
 Concen: 47.71 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF091577.D
 Acq: 14 Dec 2016 3:48

Tgt Ion:172 Resp: 2633412
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 24.8 19.7 29.5



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

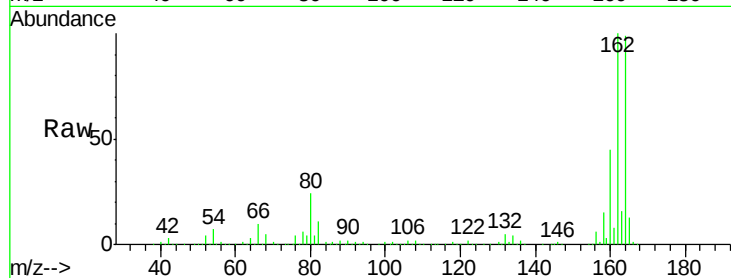




#50
 2,6-Dinitrotoluene
 Concen: 9.49 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.21 min
 Lab File: BF091577.D
 Acq: 14 Dec 2016 3:48

Instrument :
 BNA_F
 ClientSampleId :

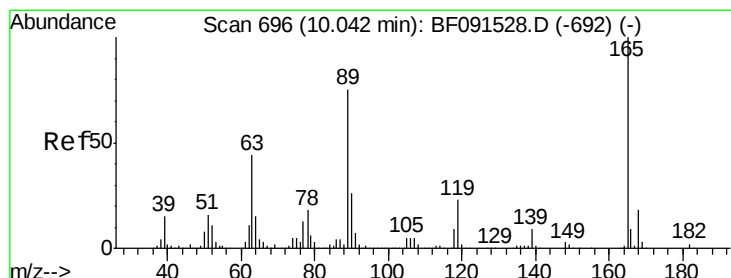
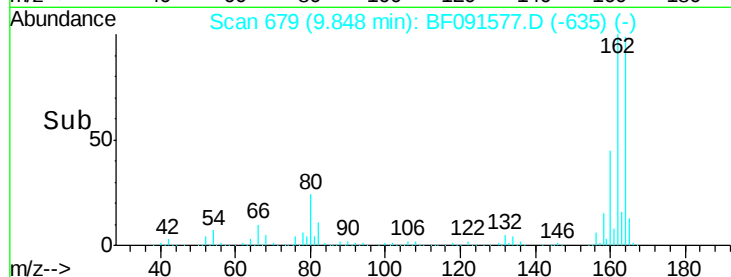
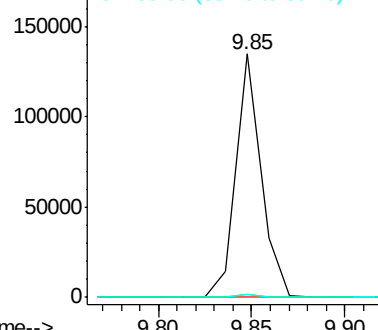
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	125836		
63	1.0	59.4	89.0#	
89	1.1	50.8	76.2#	



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: 7.57 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.19 min
 Lab File: BF091577.D
 Acq: 14 Dec 2016 3:48

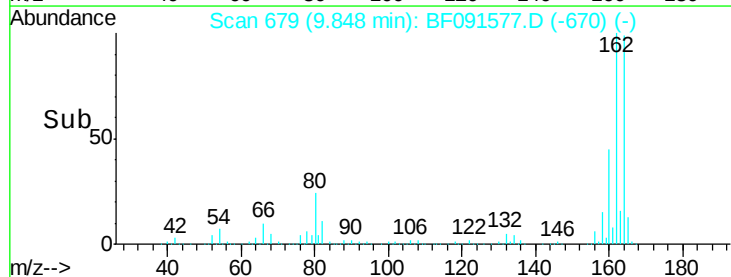
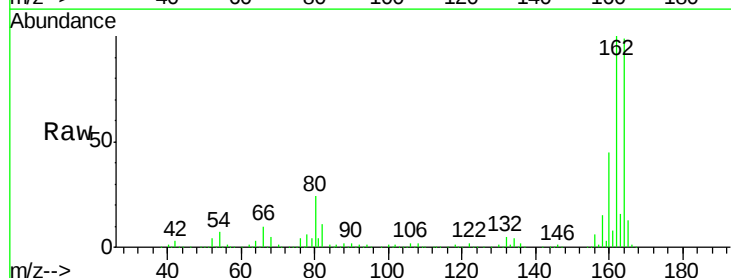
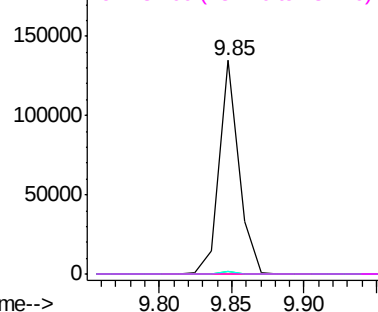
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	125848		
63	1.0	29.0	43.4#	
89	1.1	43.1	64.7#	
182	0.0	1.9	2.9#	

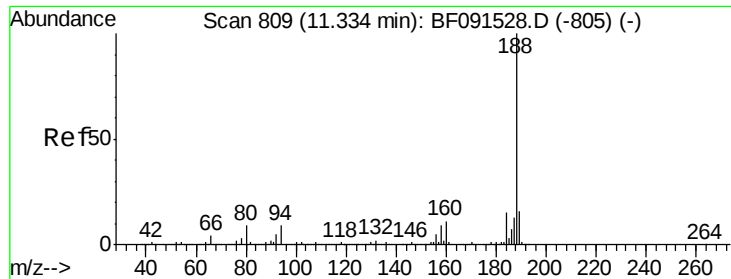
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.33 min Scan# 809

Delta R.T. -0.00 min

Lab File: BF091577.D

Acq: 14 Dec 2016 3:48

Instrument :

BNA_F

ClientSampleId :

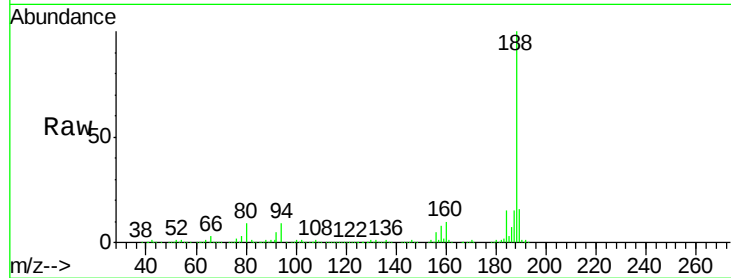
Tgt Ion:188 Resp: 1524197

Ion Ratio Lower Upper

188 100

94 8.6 9.2 13.8#

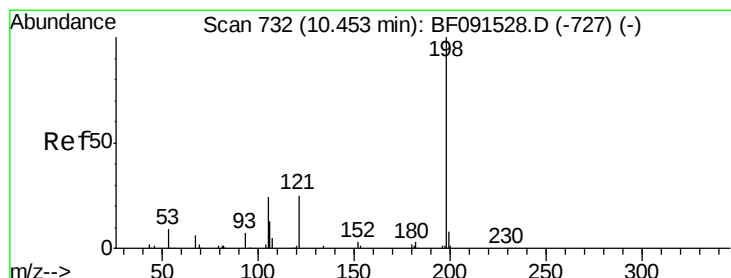
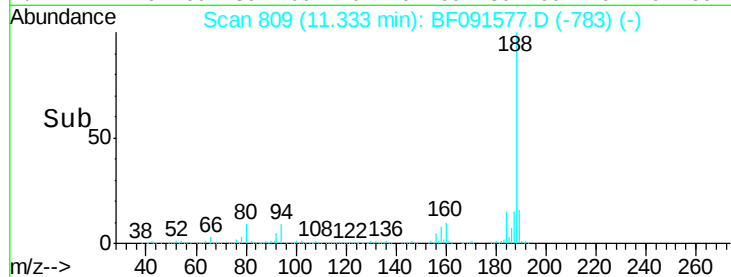
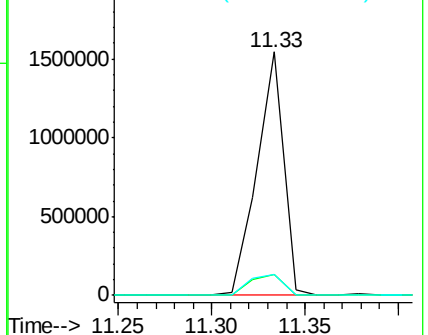
80 8.6 10.5 15.7#



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: 3.01 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.18 min

Lab File: BF091577.D

Acq: 14 Dec 2016 3:48

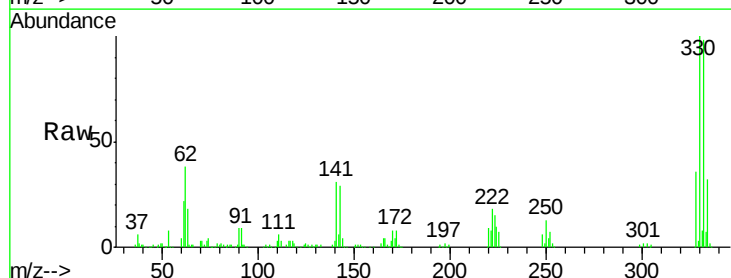
Tgt Ion:198 Resp: 633

Ion Ratio Lower Upper

198 100

51 132.9 77.1 117.1#

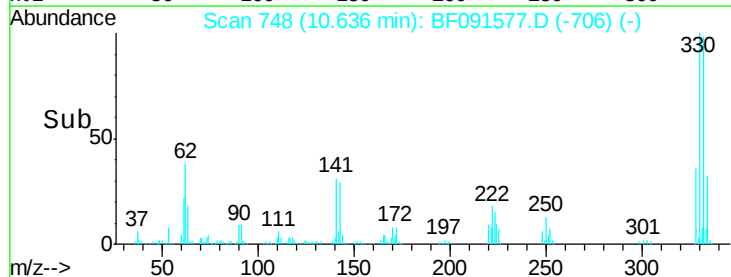
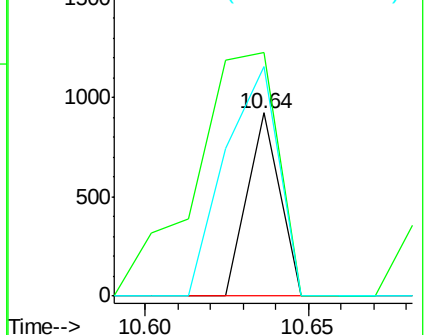
105 125.0 44.8 84.8#

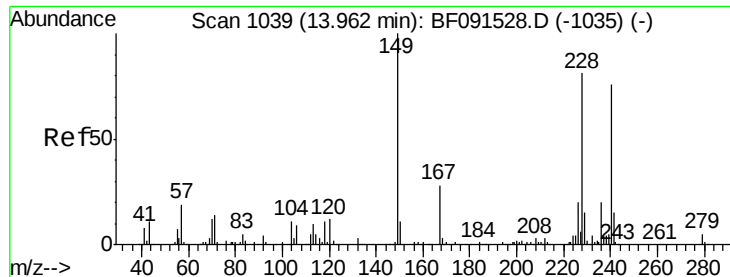


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF091577.D

Acq: 14 Dec 2016 3:48

Instrument :

BNA_F

ClientSampled :

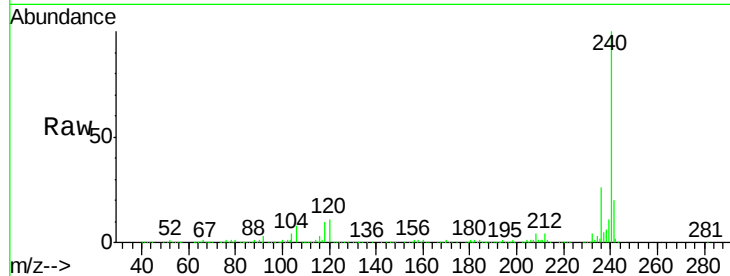
Tgt Ion:240 Resp: 1047674

Ion Ratio Lower Upper

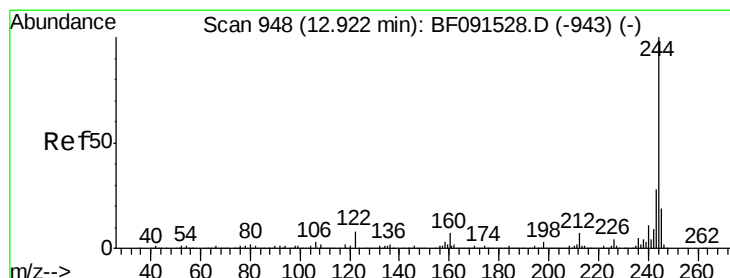
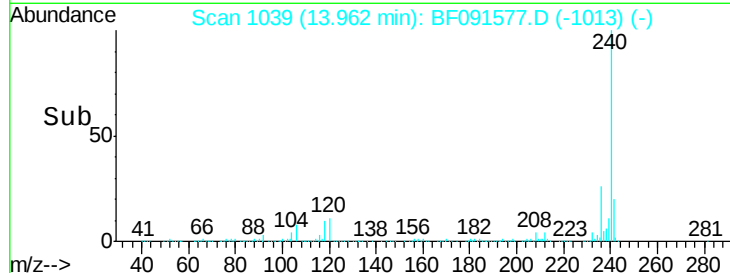
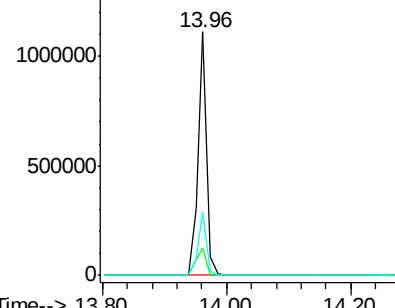
240 100

120 11.3 12.1 18.1#

236 25.8 21.0 31.6



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: 48.32 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF091577.D

Acq: 14 Dec 2016 3:48

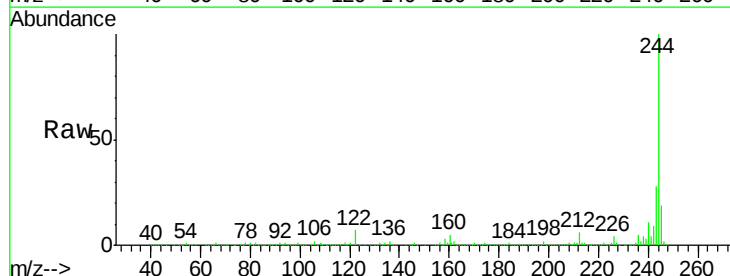
Tgt Ion:244 Resp: 2231033

Ion Ratio Lower Upper

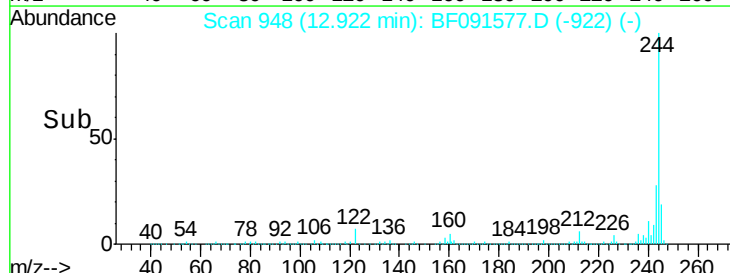
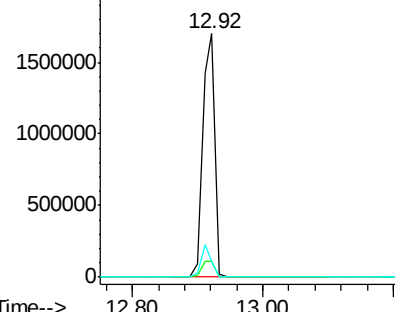
244 100

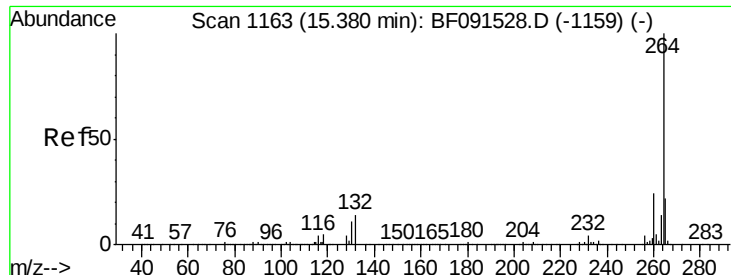
212 6.4 6.5 9.7#

122 6.6 9.5 14.3#



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

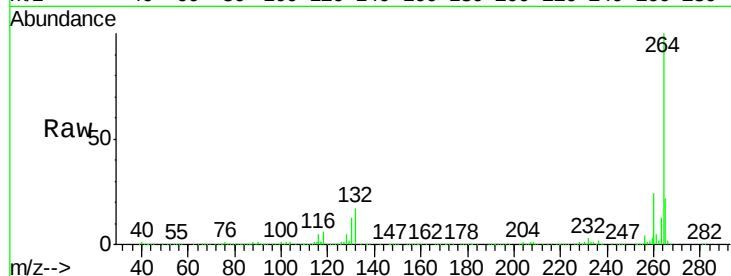




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF091577.D
Acq: 14 Dec 2016 3:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 264 Resp: 1041418
Ion Ratio Lower Upper
264 100
260 23.6 18.8 28.2
265 22.0 17.0 25.6



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

