

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121316\
 Data File : BF091564.D
 Acq On : 13 Dec 2016 19:57
 Operator : UM/SJ
 Sample : H5961-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-EQUIPBLANK

Quant Time: Dec 14 00:23:15 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

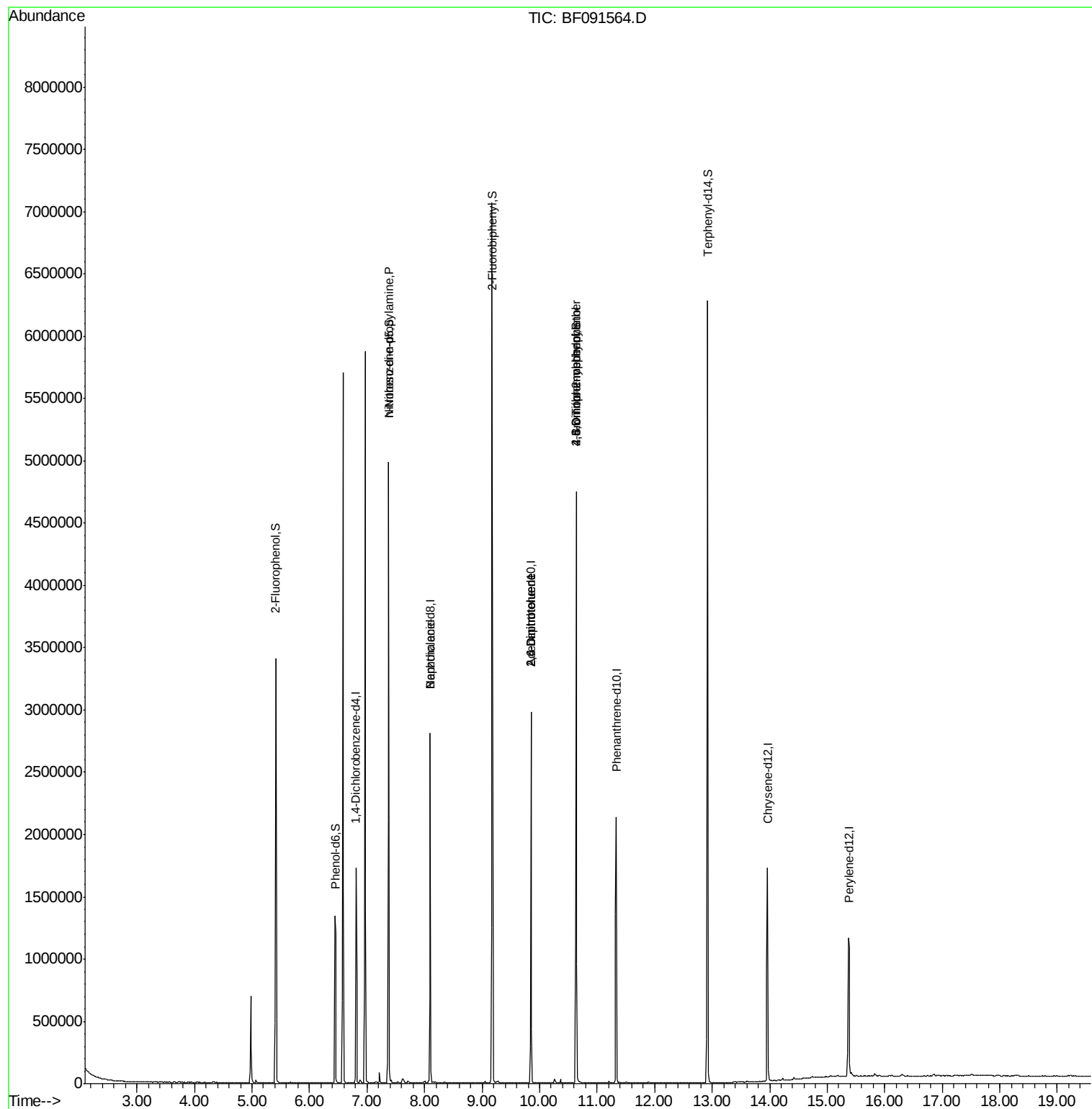
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	294713	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	1243447	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	600081	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	972324	20.00	ng	0.00
75) Chrysene-d12	13.96	240	685372	20.00	ng	0.00
86) Perylene-d12	15.38	264	627522	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	880691	50.35	ng	0.00
7) Phenol-d6	6.45	99	665514	30.52	ng	0.00
23) Nitrobenzene-d5	7.38	82	1768347	79.37	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	568200	114.00	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	2699929	77.74	ng	-0.01
78) Terphenyl-d14	12.92	244	2558541	84.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	246537	18.08	ng	# 64
20) 3+4-Methylphenols	6.97	107	295	Below Cal		# 1
32) Benzoic acid	8.10	122	211	4.91	ng	# 1
50) 2,6-Dinitrotoluene	9.85	165	78103	9.37	ng	# 16
56) 2,4-Dinitrotoluene	9.85	165	78089	7.47	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.64	198	1299	3.15	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	34832	3.49	ng	# 1

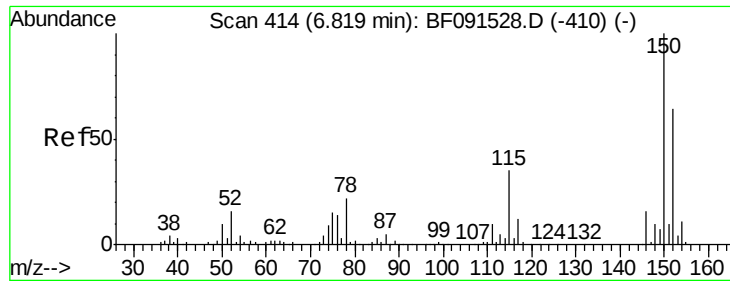
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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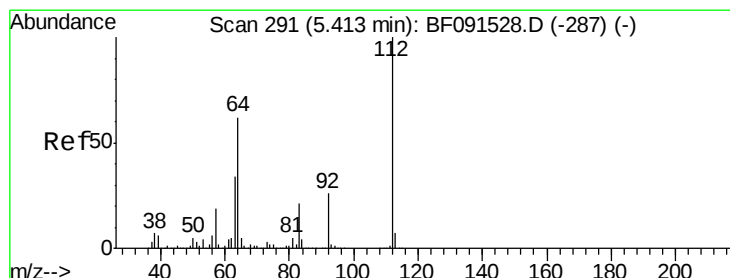
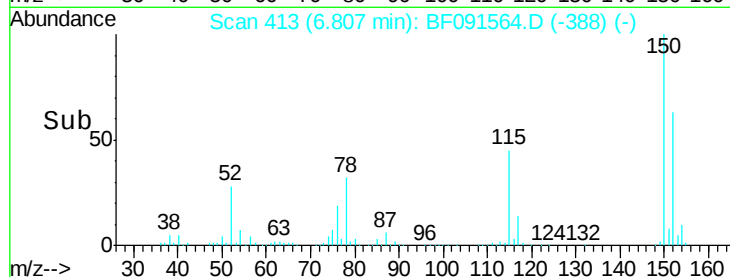
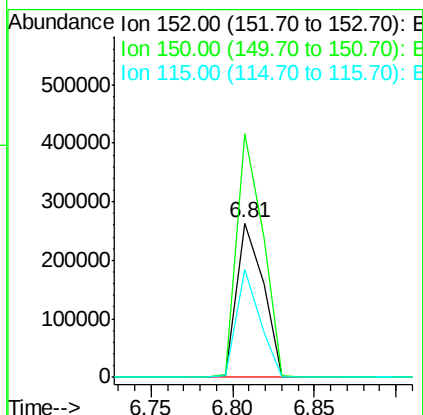
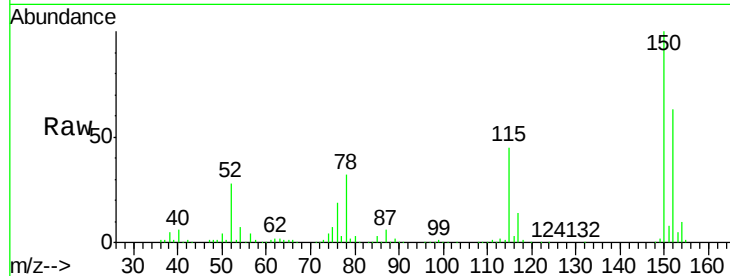




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.01 min
 Lab File: BF091564.D
 Acq: 13 Dec 2016 19:57

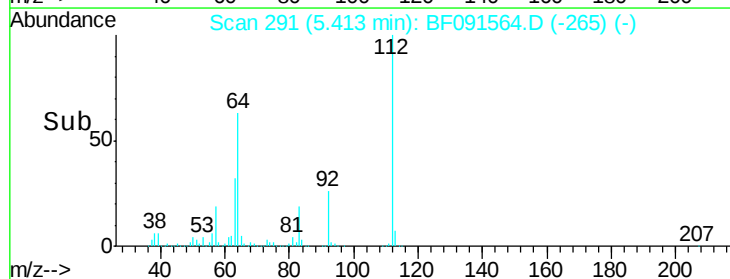
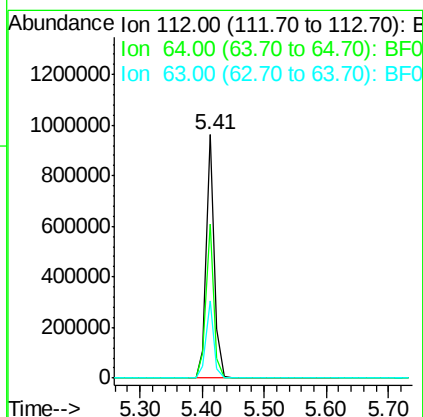
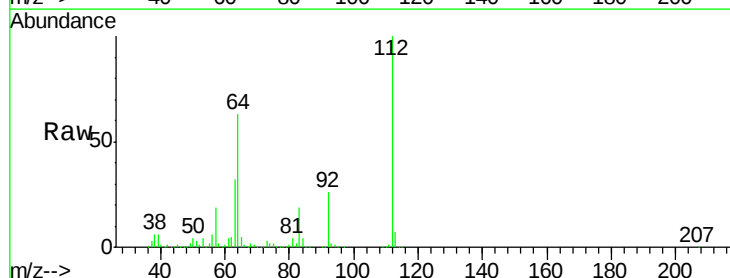
Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-EQUIPBLANK

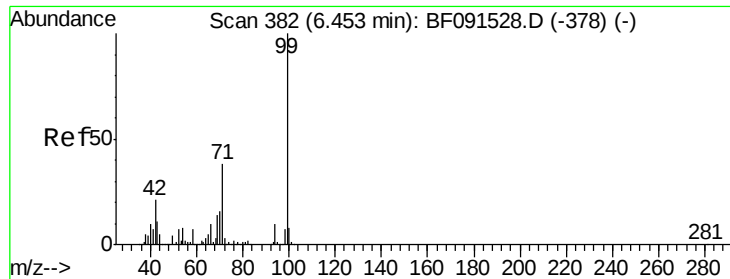
Tgt Ion:152 Resp: 294713
 Ion Ratio Lower Upper
 152 100
 150 157.8 122.5 183.7
 115 70.3 51.8 77.8



#5
 2-Fluorophenol
 Concen: 50.35 ng
 RT: 5.41 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: BF091564.D
 Acq: 13 Dec 2016 19:57

Tgt Ion:112 Resp: 880691
 Ion Ratio Lower Upper
 112 100
 64 63.2 61.5 92.3
 63 31.8 33.3 49.9#





#7

Phenol-d6

Concen: 30.52 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF091564.D

Acq: 13 Dec 2016 19:57

Instrument :

BNA_F

ClientSampleId :

QNWP8-EQUIPBLANK

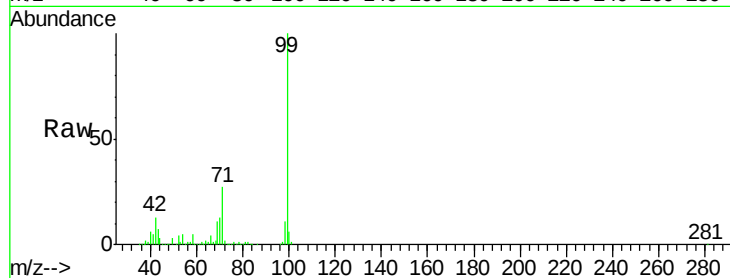
Tgt Ion: 99 Resp: 665514

Ion Ratio Lower Upper

99 100

42 13.1 20.6 31.0#

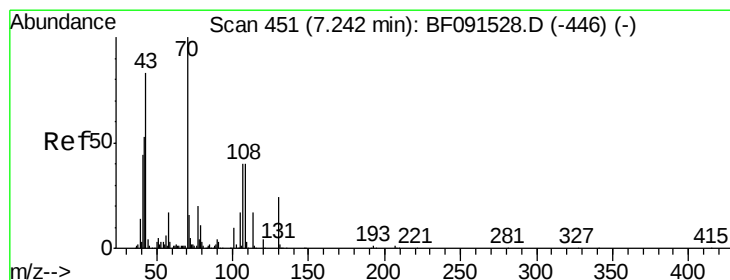
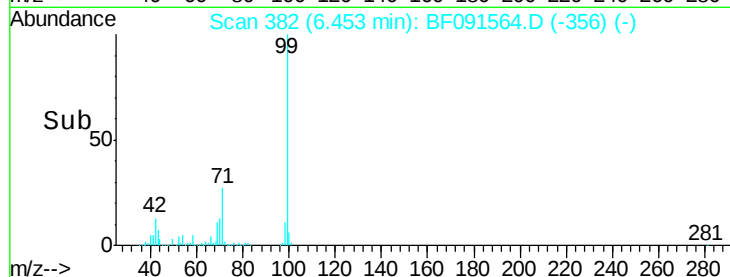
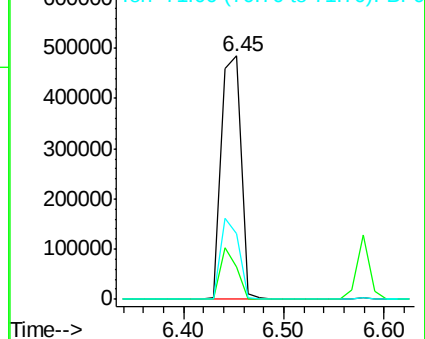
71 26.9 29.9 44.9#



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: 18.08 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.14 min

Lab File: BF091564.D

Acq: 13 Dec 2016 19:57

Tgt Ion: 70 Resp: 246537

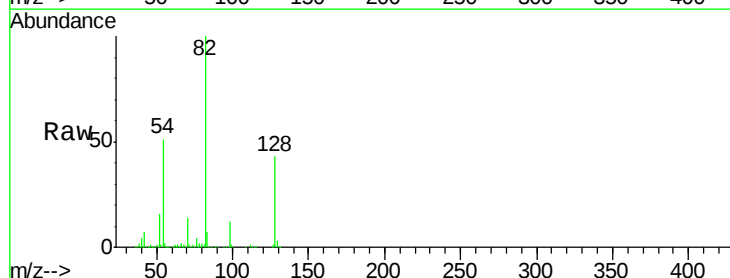
Ion Ratio Lower Upper

70 100

42 47.1 64.8 97.2#

101 0.0 6.2 9.4#

130 2.0 11.7 17.5#

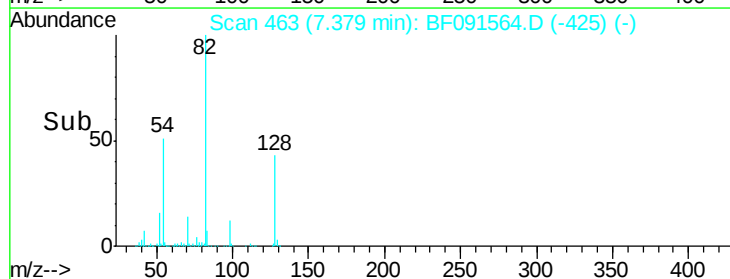
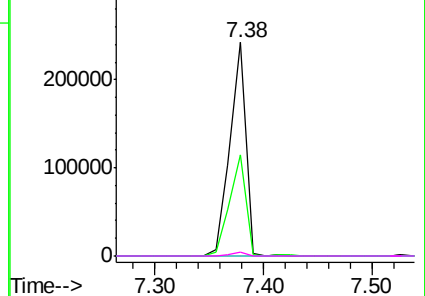


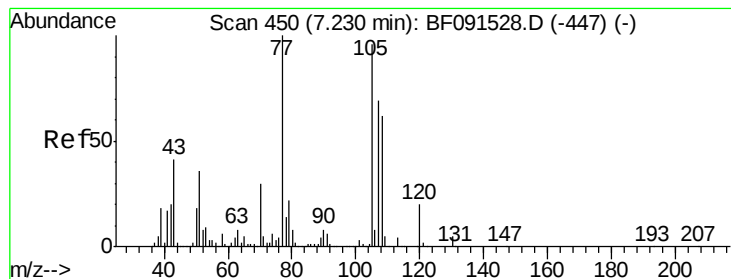
Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#20

3+4-Methylphenols

Concen: Below Cal

RT: 6.97 min Scan# 427

Delta R.T. -0.26 min

Lab File: BF091564.D

Acq: 13 Dec 2016 19:57

Instrument :

BNA_F

ClientSampleId :

QNWP8-EQUIPBLANK

Tgt Ion:107 Resp: 295

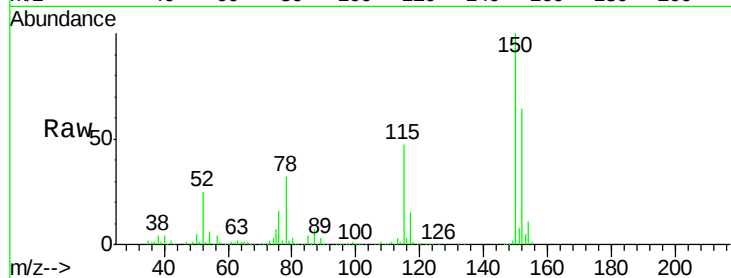
Ion Ratio Lower Upper

107 100

108 1890.9 64.6 104.6#

77 7908.8 30.9 70.9#

79 7084.7 9.3 49.3#



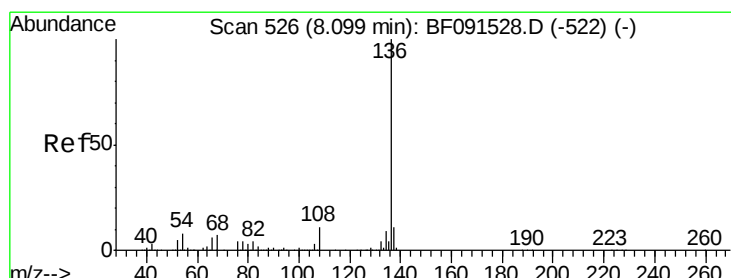
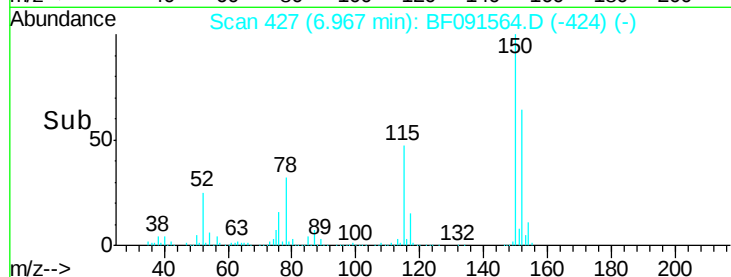
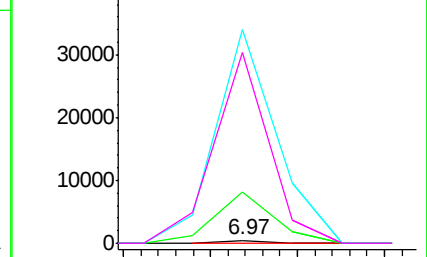
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.00 min

Lab File: BF091564.D

Acq: 13 Dec 2016 19:57

Tgt Ion:136 Resp: 1243447

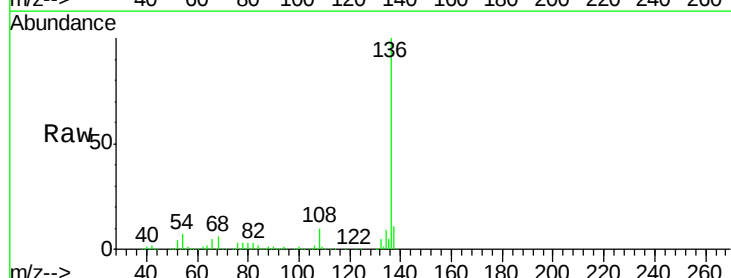
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.8 9.1 13.7#

68 5.6 5.9 8.9#



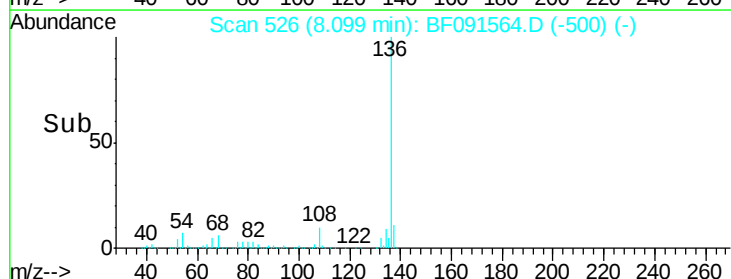
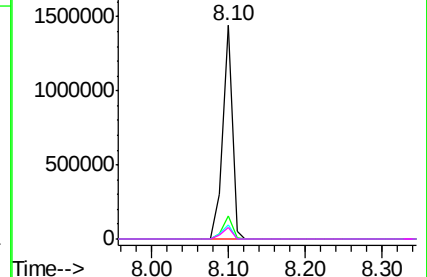
Abundance

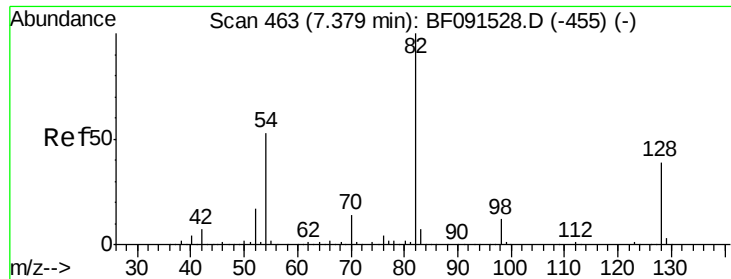
Ion 136.00 (135.70 to 136.70): E

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

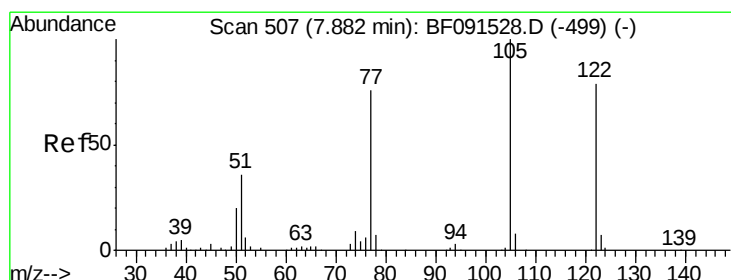
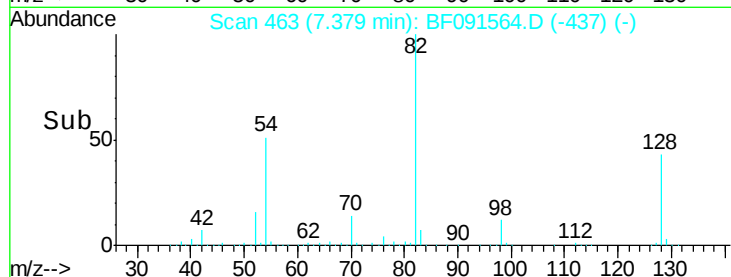
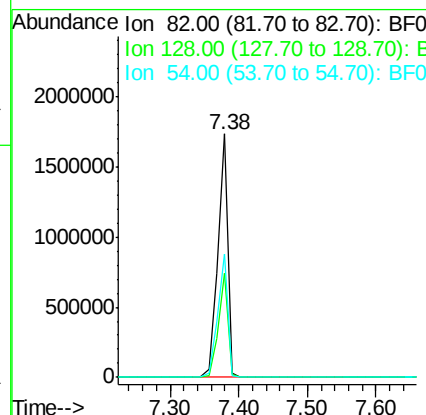
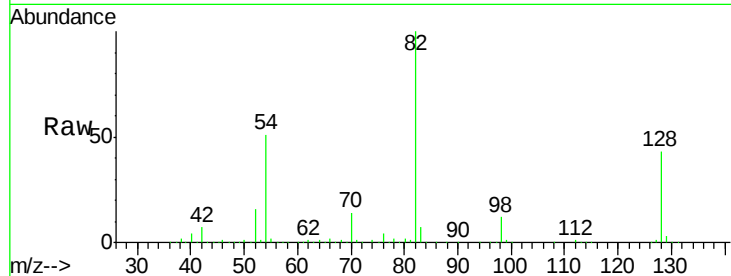




#23
 Nitrobenzene-d5
 Concen: 79.37 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: BF091564.D
 Acq: 13 Dec 2016 19:57

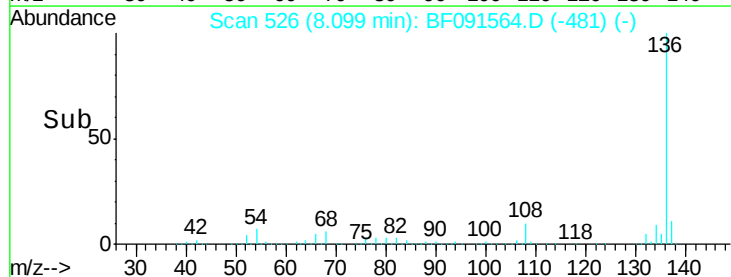
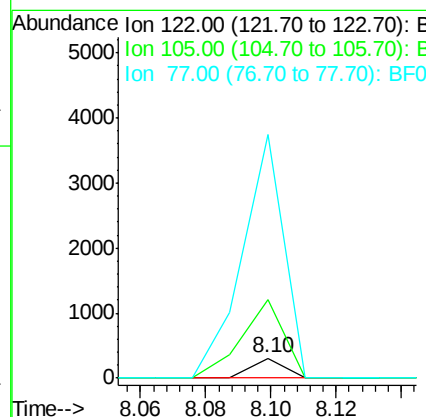
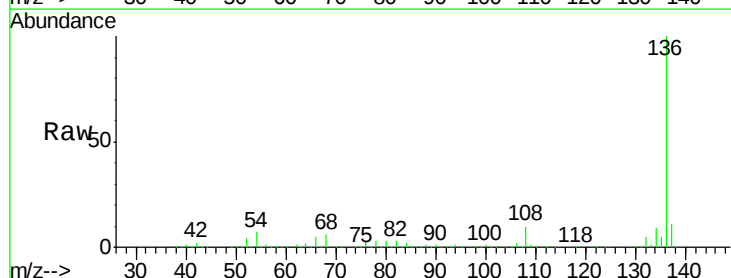
Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-EQUIPBLANK

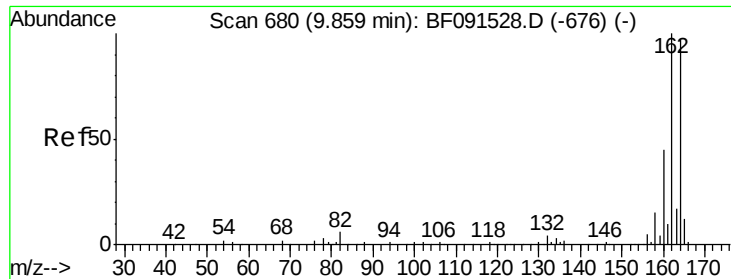
Tgt Ion: 82 Resp: 1768347
 Ion Ratio Lower Upper
 82 100
 128 42.7 31.8 47.6
 54 50.8 49.1 73.7



#32
 Benzoic acid
 Concen: 4.91 ng
 RT: 8.10 min Scan# 526
 Delta R.T. 0.22 min
 Lab File: BF091564.D
 Acq: 13 Dec 2016 19:57

Tgt Ion: 122 Resp: 211
 Ion Ratio Lower Upper
 122 100
 105 393.8 113.0 153.0#
 77 1215.3 82.0 122.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF091564.D

Acq: 13 Dec 2016 19:57

Instrument :

BNA_F

ClientSampleId :

QNWP8-EQUIPBLANK

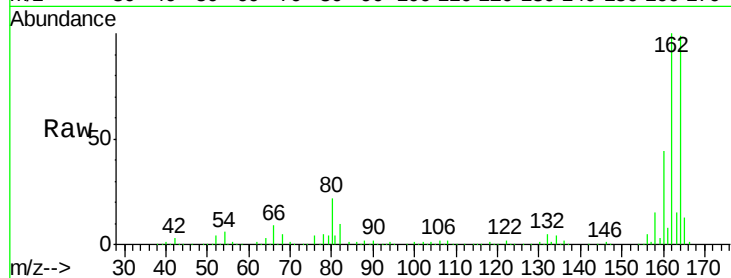
Tgt Ion:164 Resp: 600081

Ion Ratio Lower Upper

164 100

162 101.5 82.6 124.0

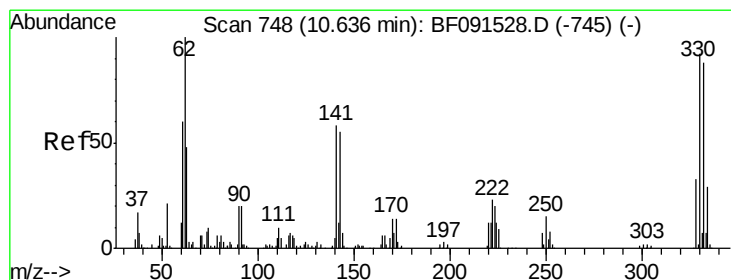
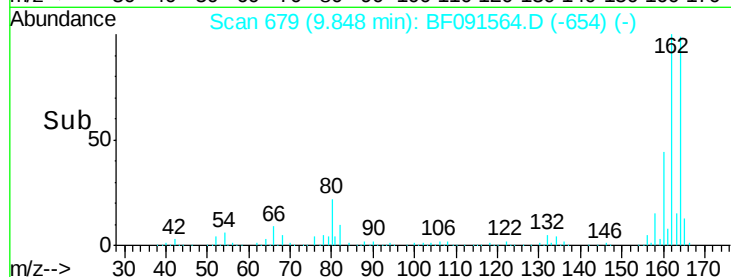
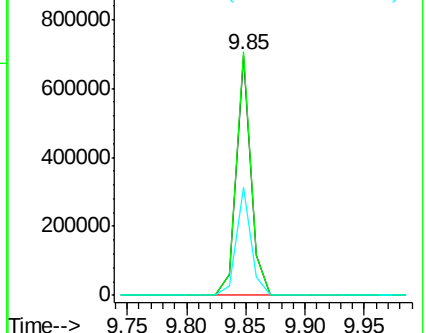
160 45.0 36.7 55.1



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: 114.00 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF091564.D

Acq: 13 Dec 2016 19:57

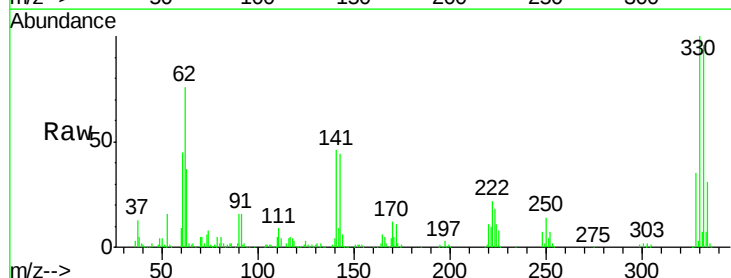
Tgt Ion:330 Resp: 568200

Ion Ratio Lower Upper

330 100

332 96.7 76.2 114.4

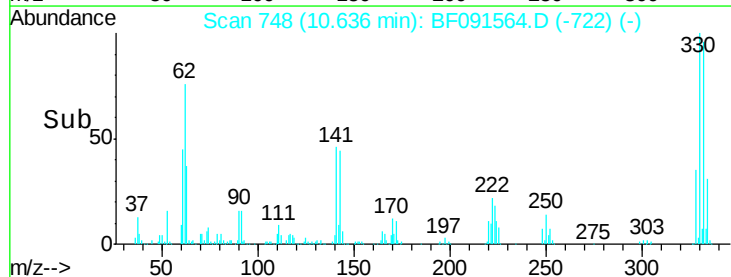
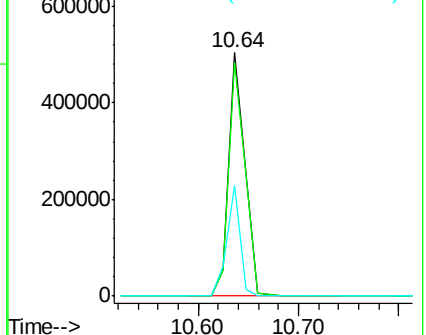
141 37.7 33.6 50.4

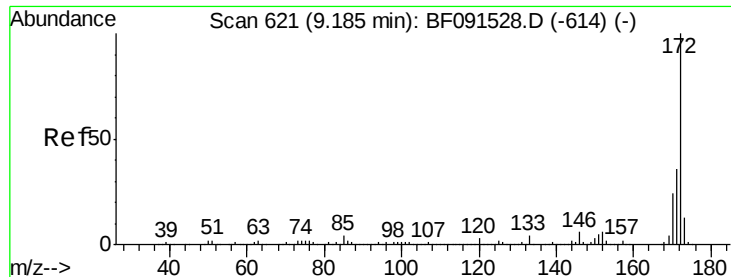


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

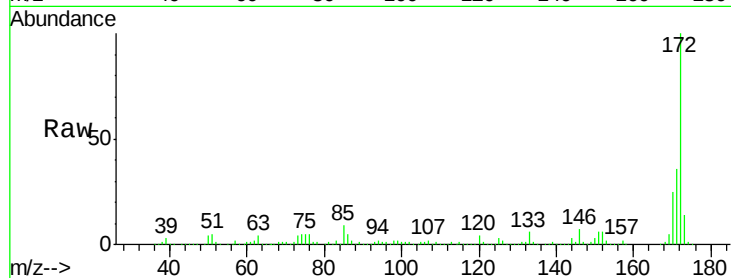




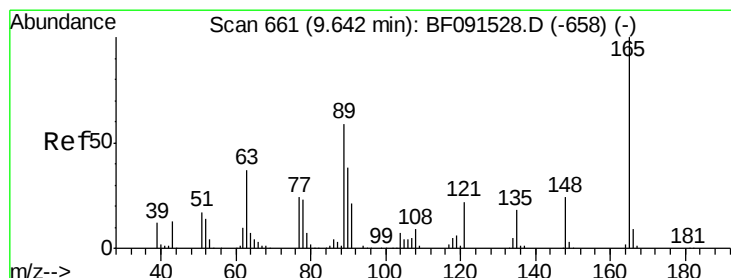
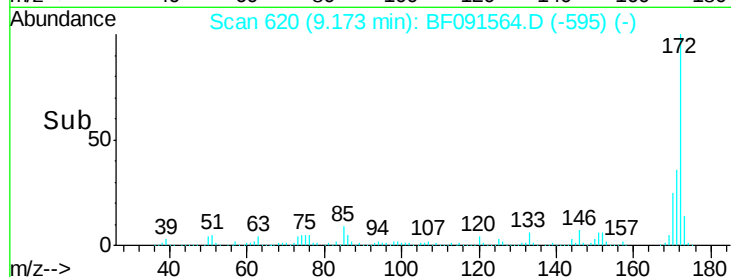
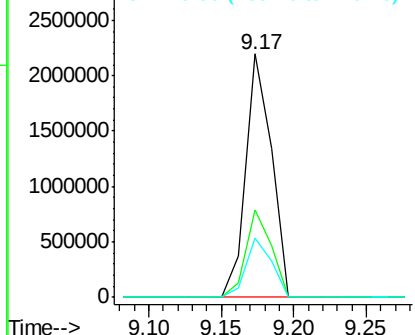
#44
 2-Fluorobiphenyl
 Concen: 77.74 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF091564.D
 Acq: 13 Dec 2016 19:57

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-EQUIPBLANK

Tgt Ion:172 Resp: 2699929
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.5 19.7 29.5

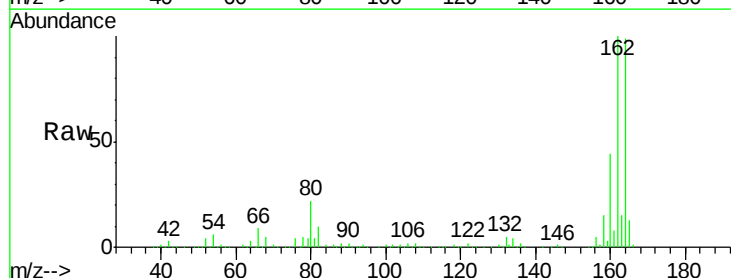


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

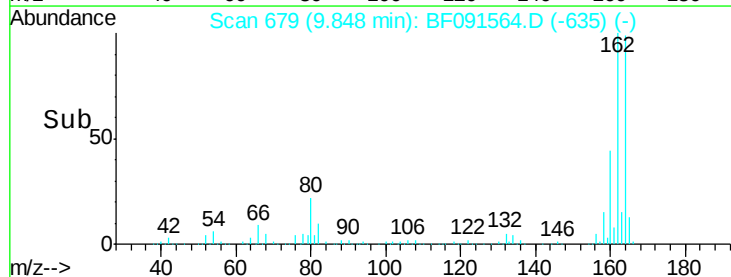
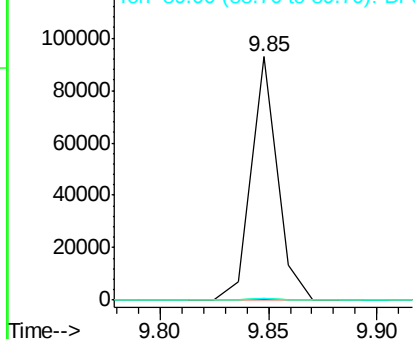


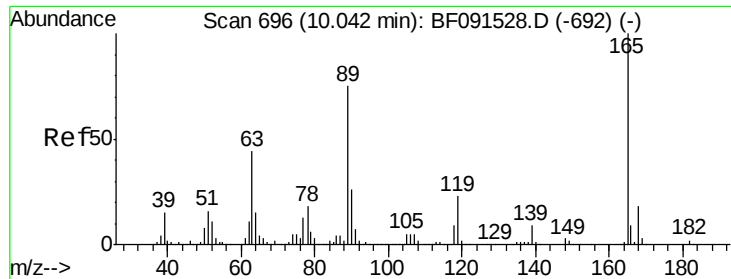
#50
 2,6-Dinitrotoluene
 Concen: 9.37 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.21 min
 Lab File: BF091564.D
 Acq: 13 Dec 2016 19:57

Tgt Ion:165 Resp: 78103
 Ion Ratio Lower Upper
 165 100
 63 0.8 59.4 89.0#
 89 0.8 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

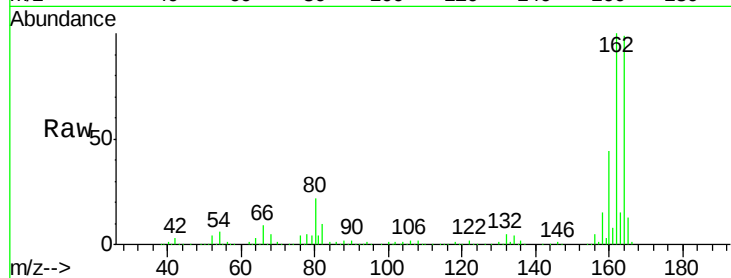




#56
2,4-Dinitrotoluene
Concen: 7.47 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.19 min
Lab File: BF091564.D
Acq: 13 Dec 2016 19:57

Instrument :
BNA_F
ClientSampleId :
QNWP8-EQUIPBLANK

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	29.0	43.4#
89	0.8	43.1	64.7#
182	0.0	1.9	2.9#

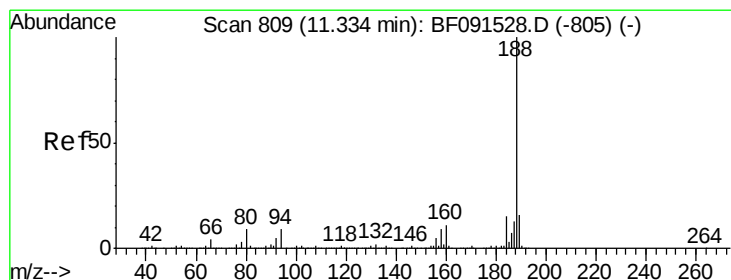
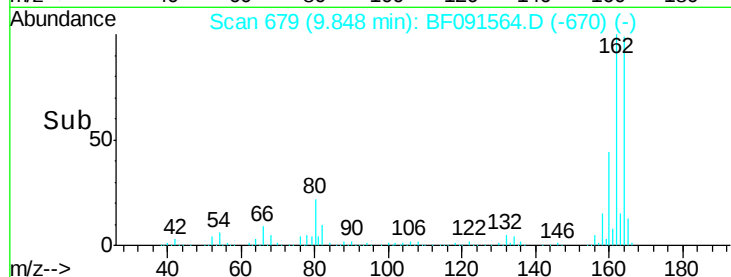
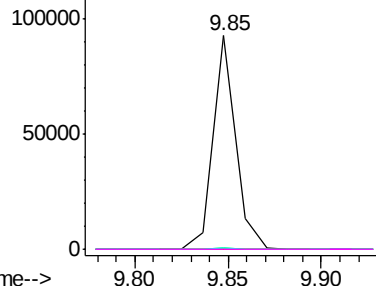


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

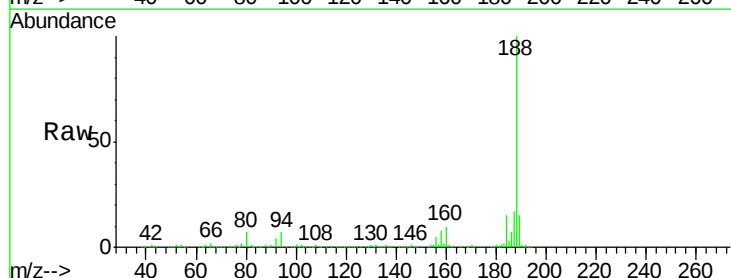
Ion 89.00 (88.70 to 89.70): BF0

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: BF091564.D
Acq: 13 Dec 2016 19:57

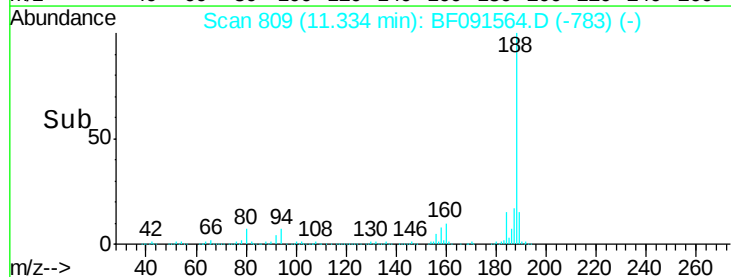
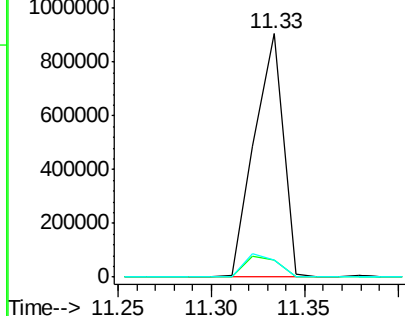
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	9.2	13.8#
80	7.3	10.5	15.7#

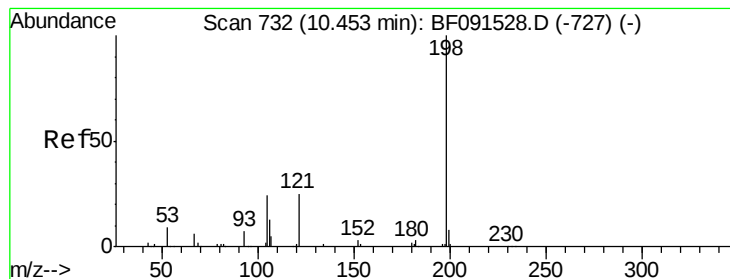


Abundance Ion 188.00 (187.70 to 188.70): E

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: 3.15 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.18 min

Lab File: BF091564.D

Acq: 13 Dec 2016 19:57

Instrument :

BNA_F

ClientSampleId :

QNWP8-EQUIPBLANK

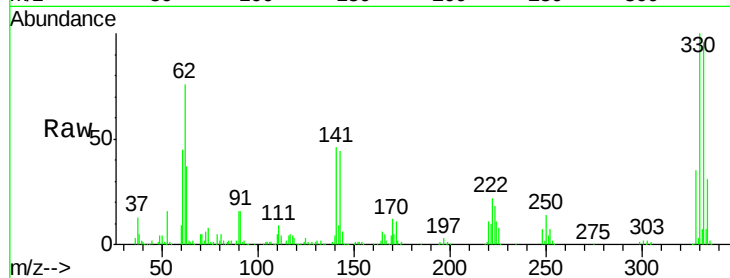
Tgt Ion:198 Resp: 1299

Ion Ratio Lower Upper

198 100

51 187.6 77.1 117.1#

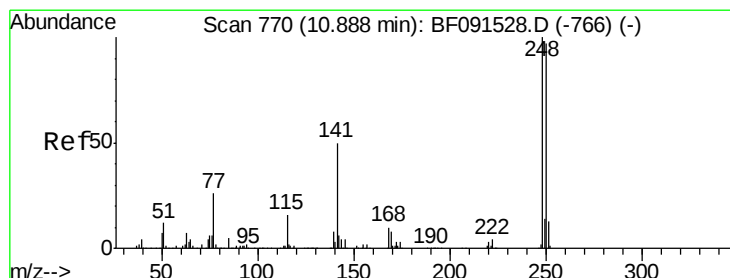
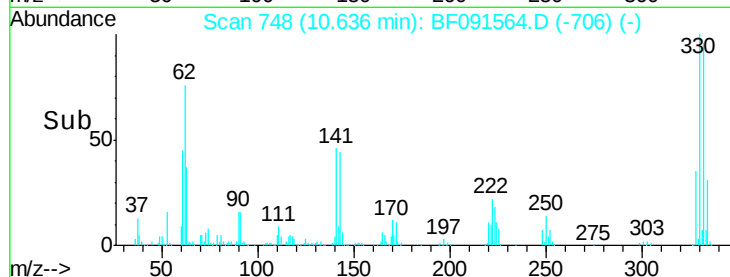
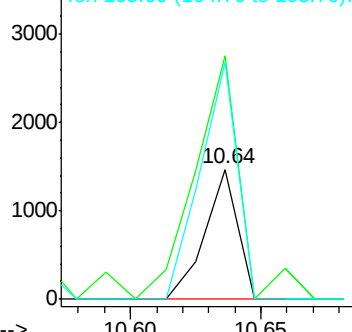
105 182.4 44.8 84.8#



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



#66

4-Bromophenyl-phenylether

Concen: 3.49 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.25 min

Lab File: BF091564.D

Acq: 13 Dec 2016 19:57

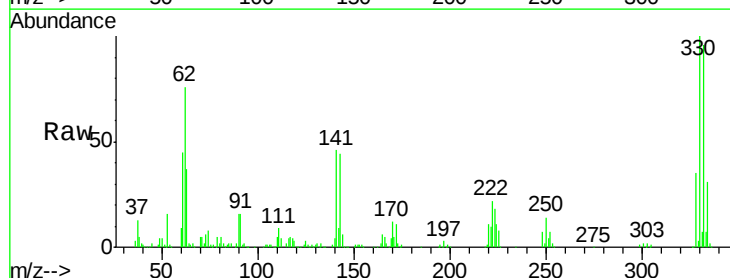
Tgt Ion:248 Resp: 34832

Ion Ratio Lower Upper

248 100

250 194.9 78.2 117.4#

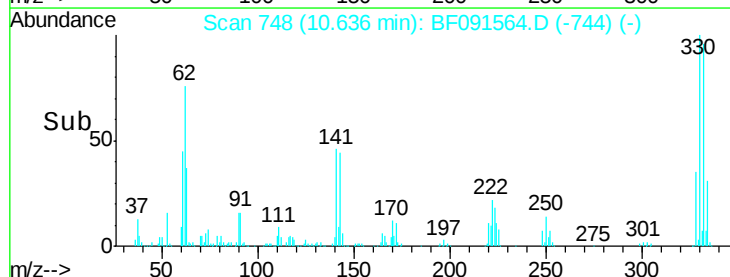
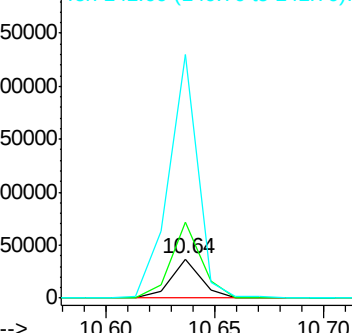
141 622.2 71.9 107.9#

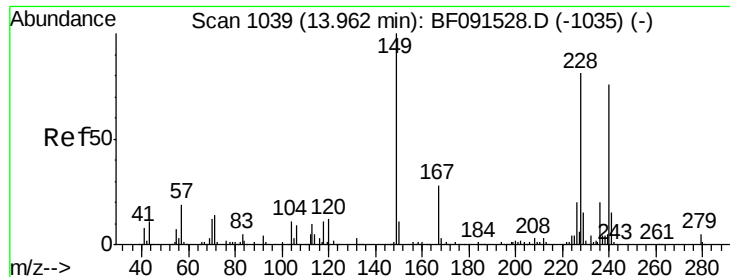


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF091564.D

Acq: 13 Dec 2016 19:57

Instrument :

BNA_F

ClientSampleId :

QNWP8-EQUIPBLANK

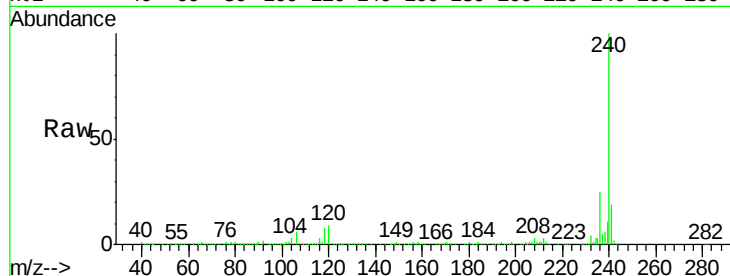
Tgt Ion:240 Resp: 685372

Ion Ratio Lower Upper

240 100

120 9.3 12.1 18.1#

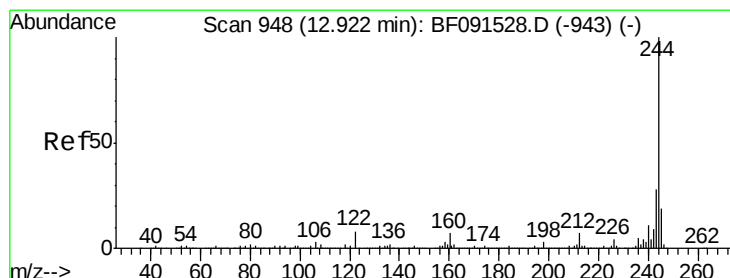
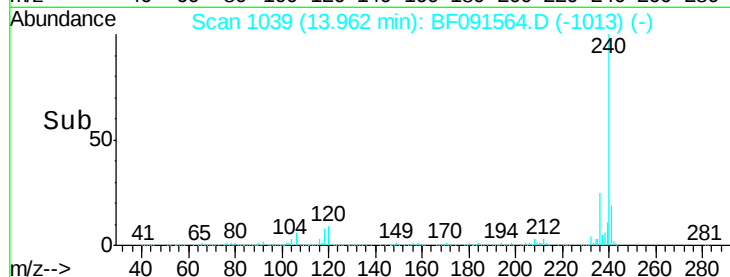
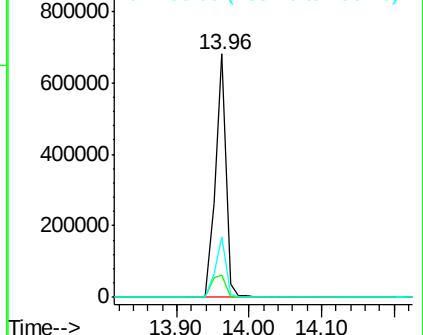
236 25.0 21.0 31.6



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: 84.71 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF091564.D

Acq: 13 Dec 2016 19:57

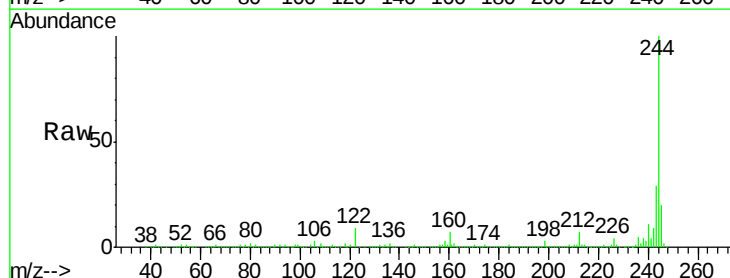
Tgt Ion:244 Resp: 2558541

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

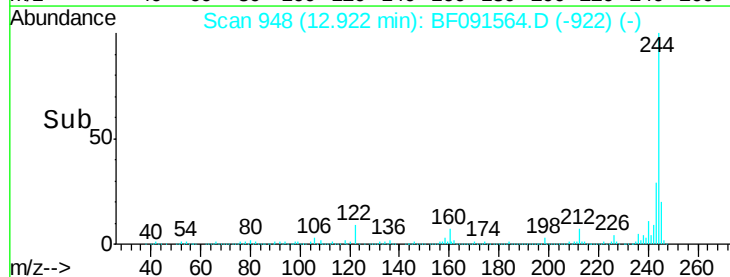
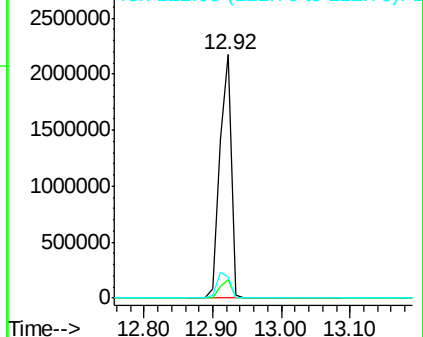
122 8.7 9.5 14.3#

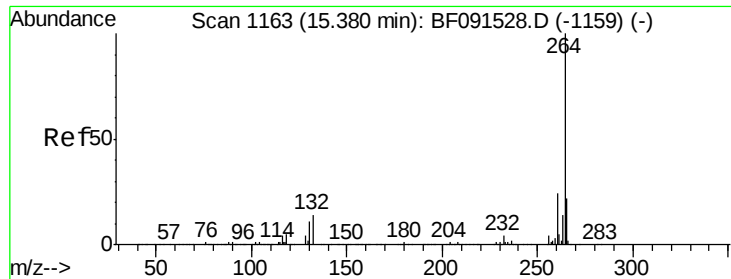


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF091564.D
Acq: 13 Dec 2016 19:57

Instrument :
BNA_F
ClientSampleId :
QNWP8-EQUIPBLANK

Tgt Ion: 264 Resp: 627522

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.8	28.2
265	21.0	17.0	25.6

