

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120916\
 Data File : BF091544.D
 Acq On : 9 Dec 2016 23:06
 Operator : UM/SJ
 Sample : H5917-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 URSMW-09

Quant Time: Dec 09 23:38:46 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	457106	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	1853301	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	879547	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	1486022	20.00	ng	0.00
75) Chrysene-d12	13.96	240	1105659	20.00	ng	0.00
86) Perylene-d12	15.38	264	941038	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	929491	34.26	ng	0.00
7) Phenol-d6	6.45	99	831762	24.59	ng	0.00
23) Nitrobenzene-d5	7.38	82	1759607	52.99	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	657398	89.99	ng	0.01
44) 2-Fluorobiphenyl	9.17	172	2812652	55.25	ng	-0.01
78) Terphenyl-d14	12.92	244	2480489	50.91	ng	0.00

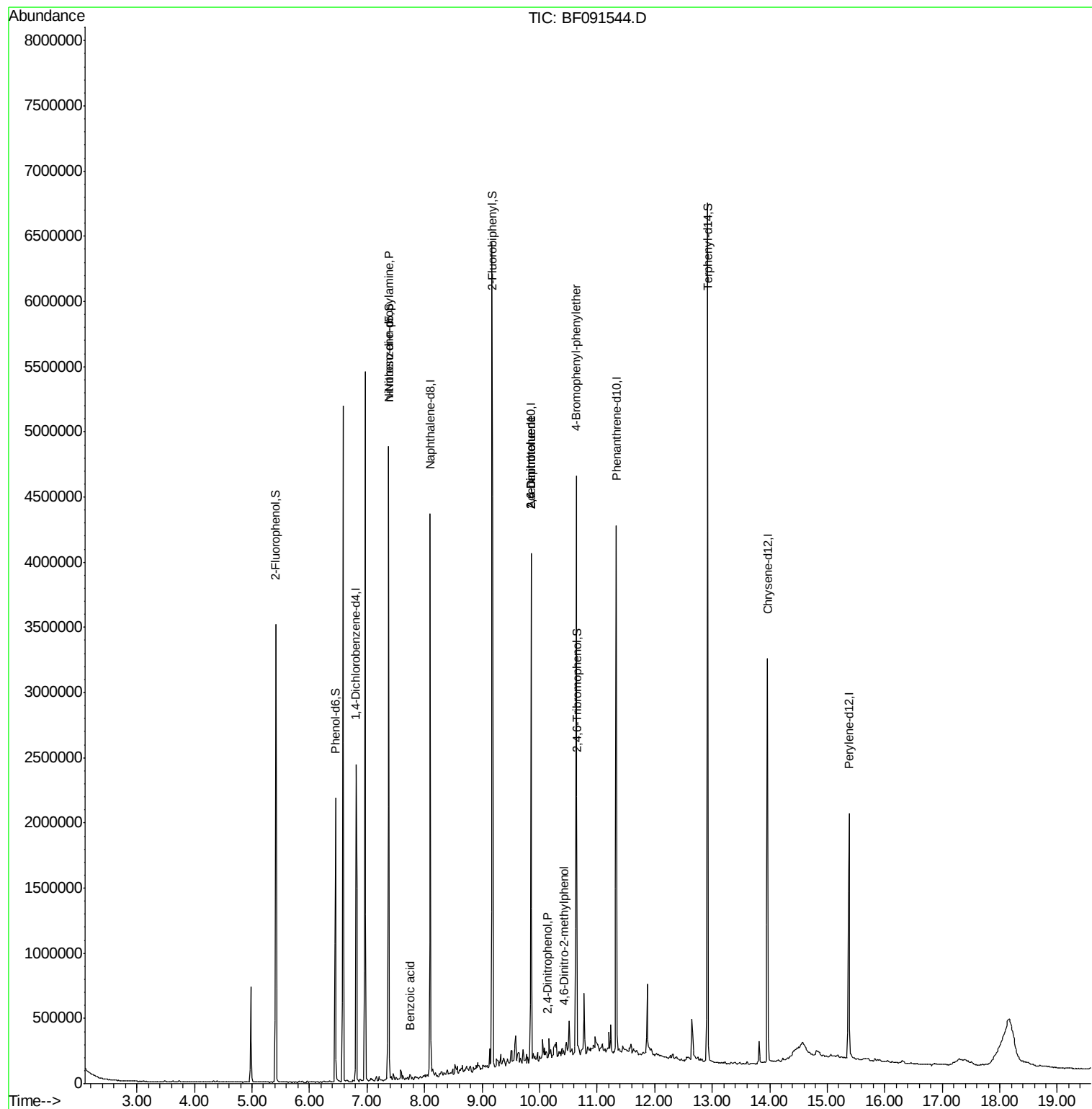
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	246136	11.64	ng	# 64
20) 3+4-Methylphenols	7.46	107	244	Below Cal		# 1
32) Benzoic acid	7.76	122	333	4.91	ng	# 1
50) 2,6-Dinitrotoluene	9.85	165	117550	9.62	ng	# 17
53) 2,4-Dinitrophenol	10.13	184	725	2.14	ng	# 64
56) 2,4-Dinitrotoluene	9.85	165	117861	7.69	ng	# 34
57) Fluorene	10.40	166	8951	Below Cal		# 92
64) 4,6-Dinitro-2-methylphenol	10.42	198	237	2.97	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	40099	2.63	ng	# 1

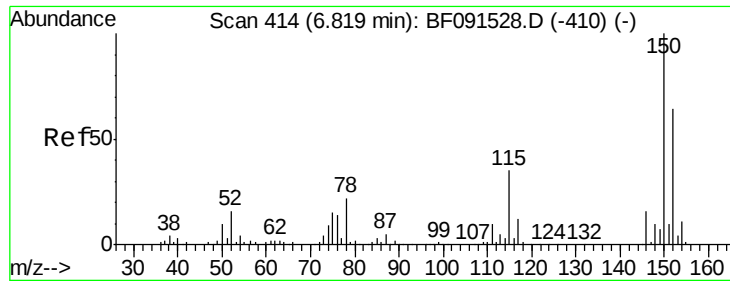
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF091544.D

Acq: 9 Dec 2016 23:06

Instrument :

BNA_F

ClientSampleId :

URSMW-09

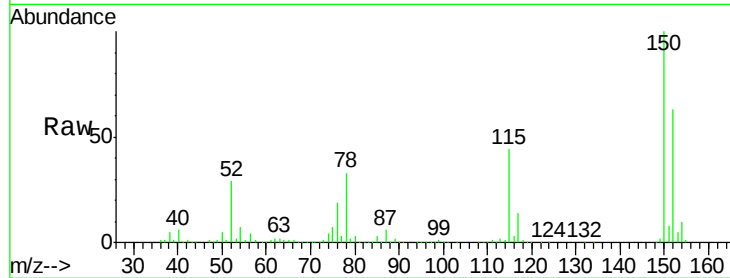
Tgt Ion:152 Resp: 457106

Ion Ratio Lower Upper

152 100

150 159.4 122.5 183.7

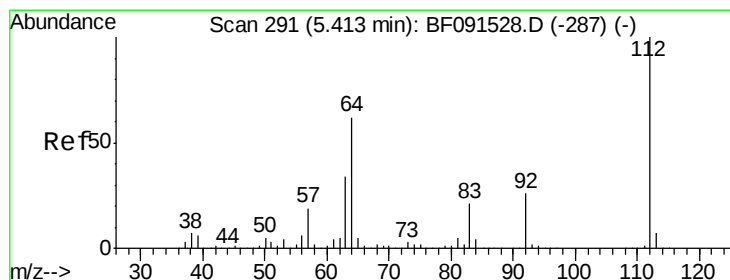
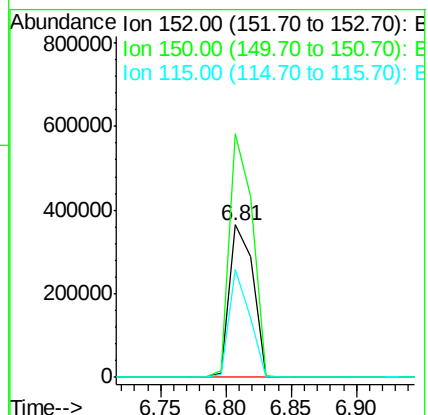
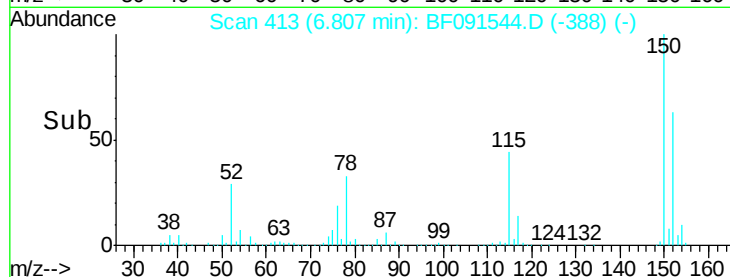
115 70.5 51.8 77.8



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: 34.26 ng

RT: 5.41 min Scan# 291

Delta R.T. 0.00 min

Lab File: BF091544.D

Acq: 9 Dec 2016 23:06

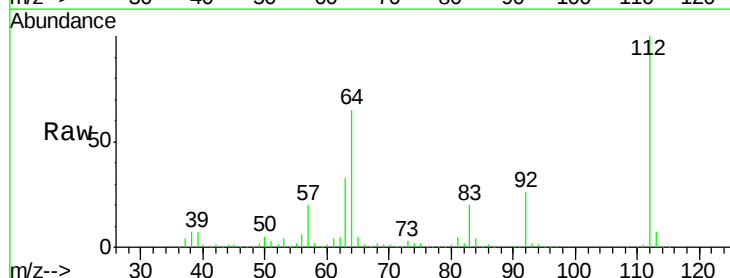
Tgt Ion:112 Resp: 929491

Ion Ratio Lower Upper

112 100

64 64.8 61.5 92.3

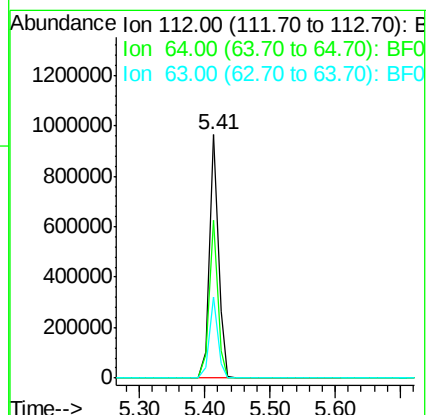
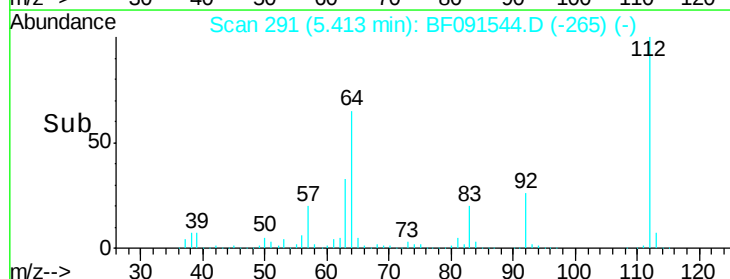
63 33.2 33.3 49.9#

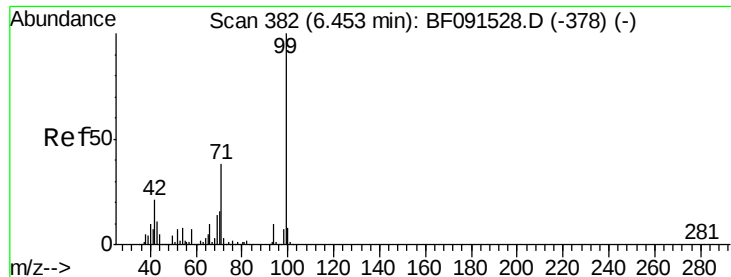


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.59 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF091544.D

Acq: 9 Dec 2016 23:06

Instrument :

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ClientSampleId :

URSMW-09

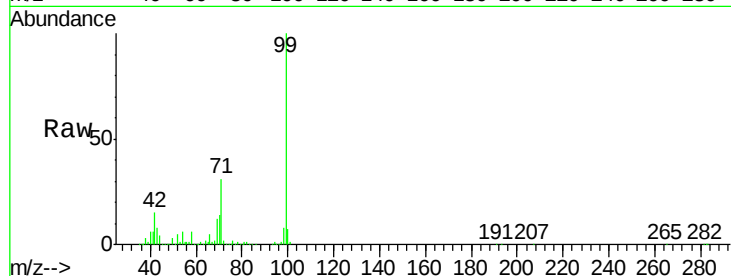
Tgt Ion: 99 Resp: 831762

Ion Ratio Lower Upper

99 100

42 15.3 20.6 31.0#

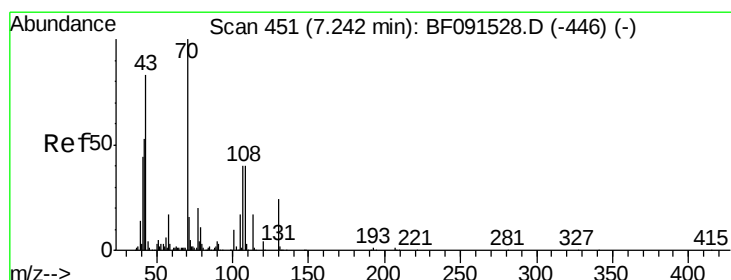
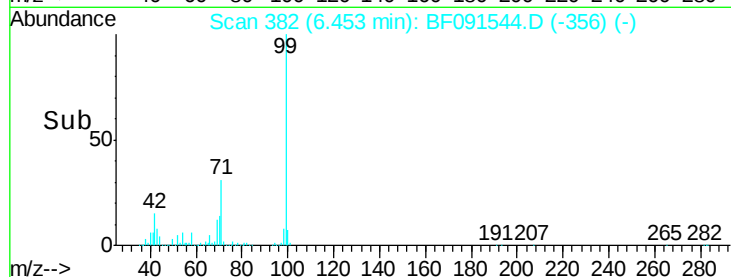
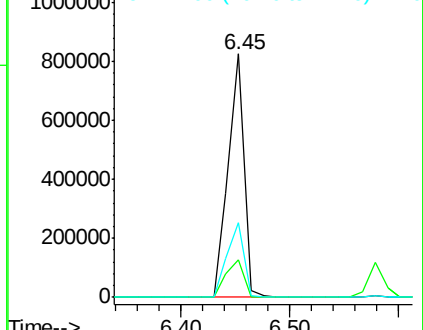
71 30.5 29.9 44.9



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: 11.64 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.14 min

Lab File: BF091544.D

Acq: 9 Dec 2016 23:06

Tgt Ion: 70 Resp: 246136

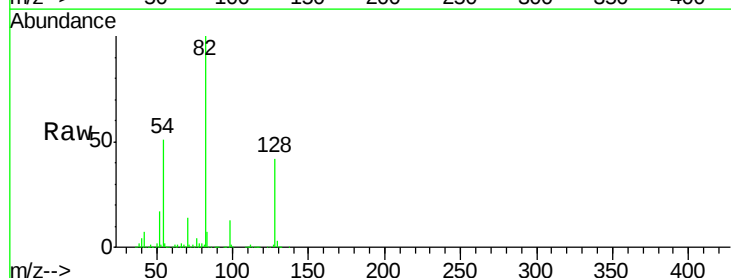
Ion Ratio Lower Upper

70 100

42 46.9 64.8 97.2#

101 0.0 6.2 9.4#

130 2.0 11.7 17.5#

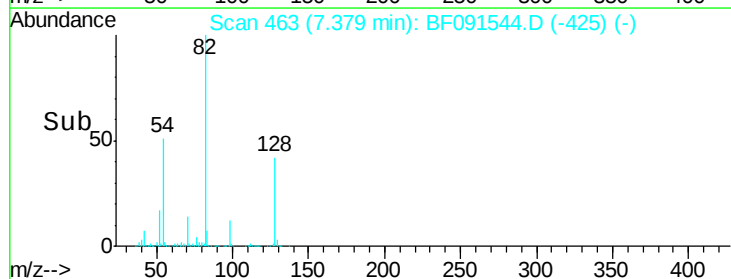
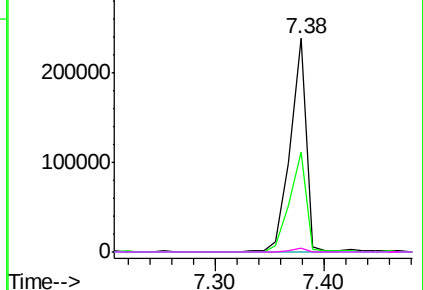


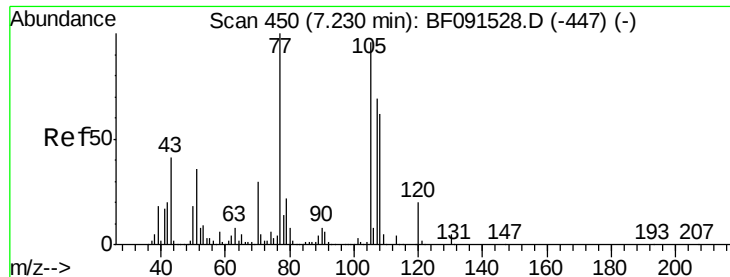
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.46 min Scan# 470

Delta R.T. 0.23 min

Lab File: BF091544.D

Acq: 9 Dec 2016 23:06

Instrument :

BNA_F

ClientSampleId :

URSMW-09

Tgt Ion:107 Resp: 244

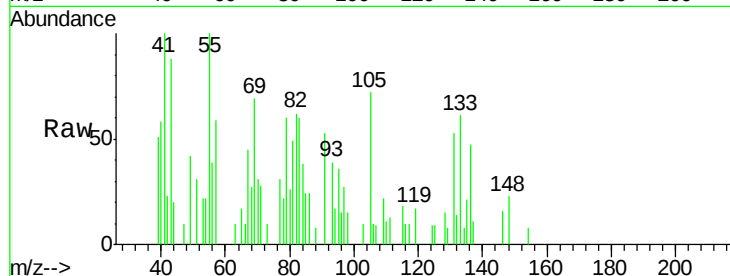
Ion Ratio Lower Upper

107 100

108 0.0 64.6 104.6#

77 340.4 30.9 70.9#

79 655.3 9.3 49.3#

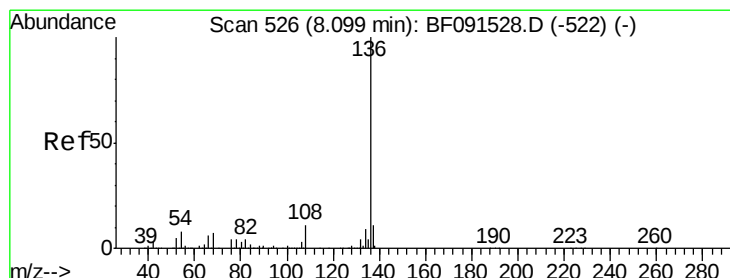
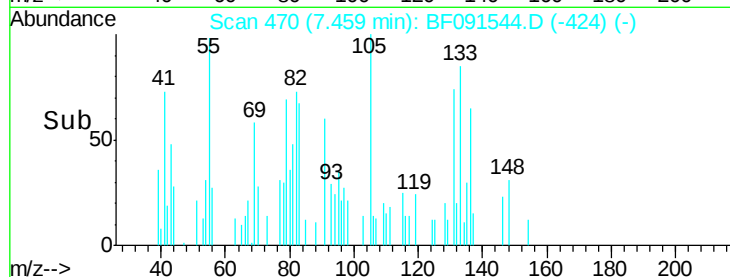
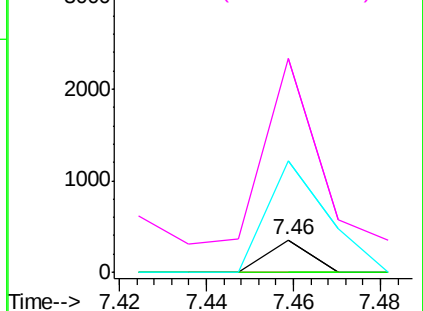


Abundance Ion 107.00 (106.70 to 107.70): E

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: BF091544.D

Acq: 9 Dec 2016 23:06

Tgt Ion:136 Resp: 1853301

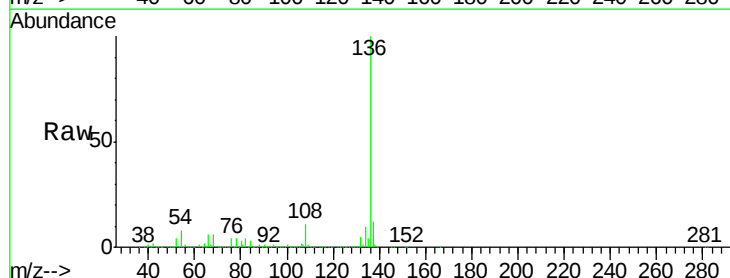
Ion Ratio Lower Upper

136 100

137 11.7 9.1 13.7

54 8.2 9.1 13.7#

68 6.1 5.9 8.9

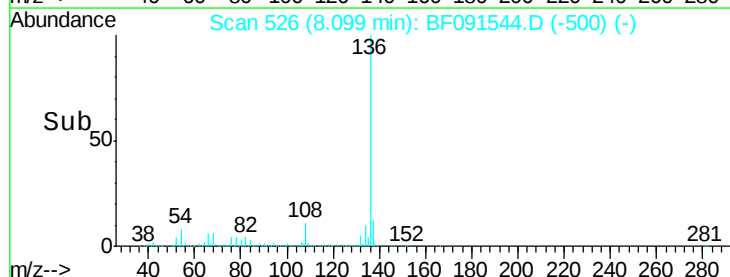
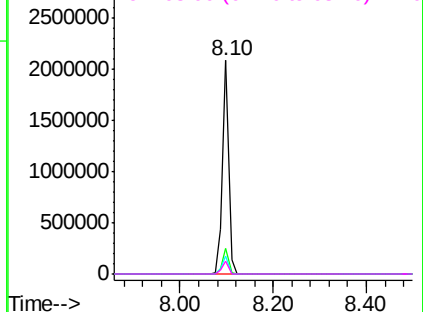


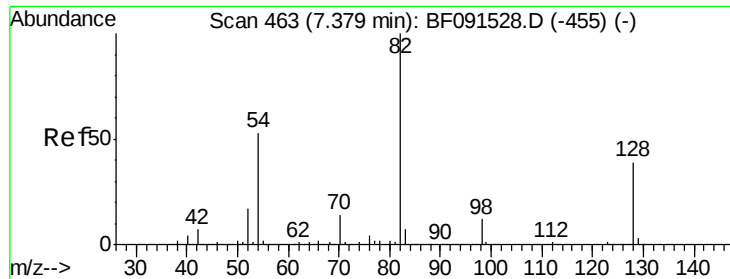
Abundance Ion 136.00 (135.70 to 136.70): E

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

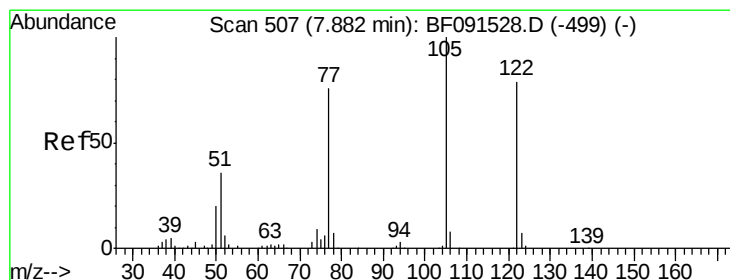
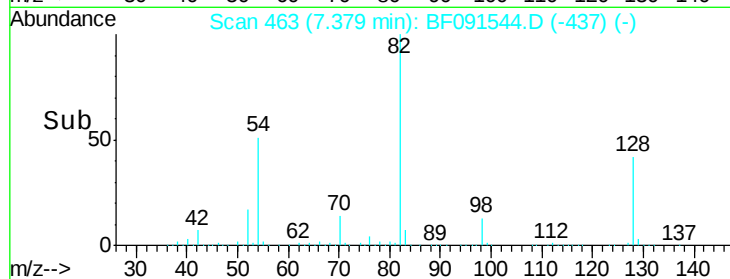
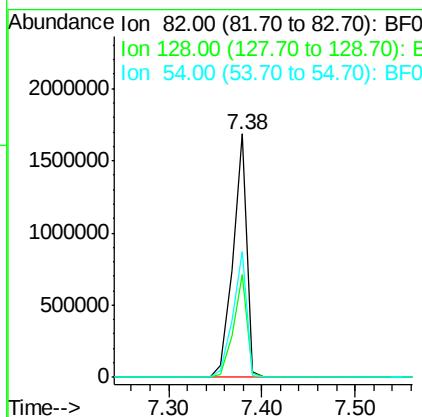
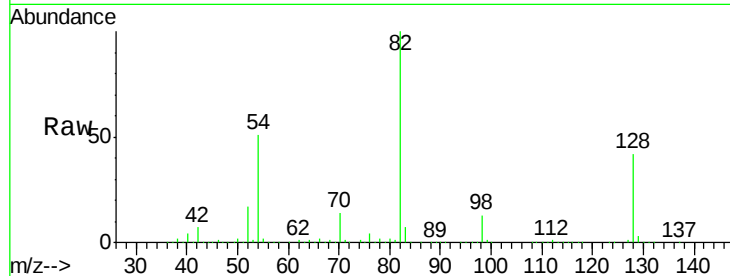




#23
 Nitrobenzene-d5
 Concen: 52.99 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: BF091544.D
 Acq: 9 Dec 2016 23:06

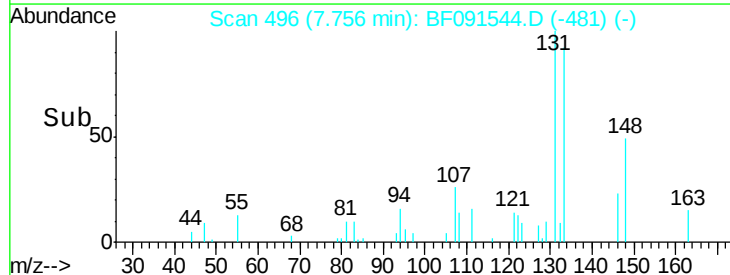
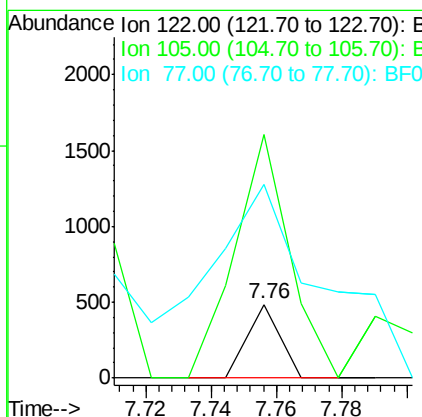
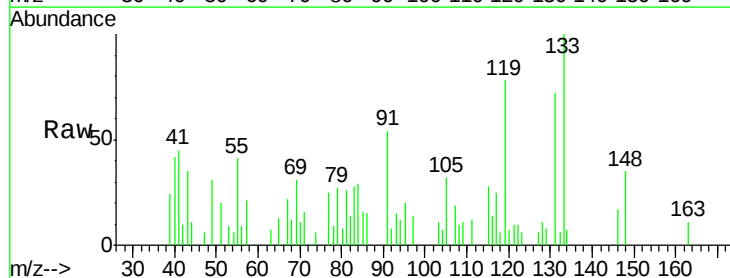
Instrument :
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 URSMW-09

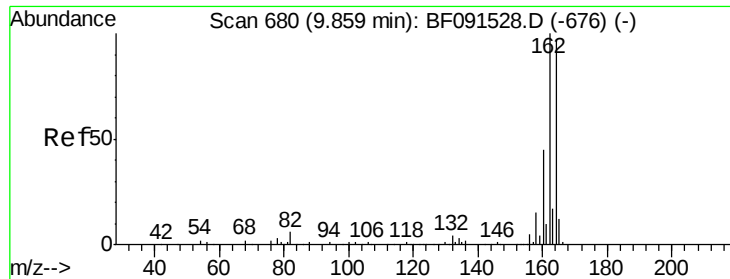
Tgt Ion: 82 Resp: 1759607
 Ion Ratio Lower Upper
 82 100
 128 42.2 31.8 47.6
 54 51.4 49.1 73.7



#32
 Benzoic acid
 Concen: 4.91 ng
 RT: 7.76 min Scan# 496
 Delta R.T. -0.13 min
 Lab File: BF091544.D
 Acq: 9 Dec 2016 23:06

Tgt Ion: 122 Resp: 333
 Ion Ratio Lower Upper
 122 100
 105 330.9 113.0 153.0#
 77 263.5 82.0 122.0#

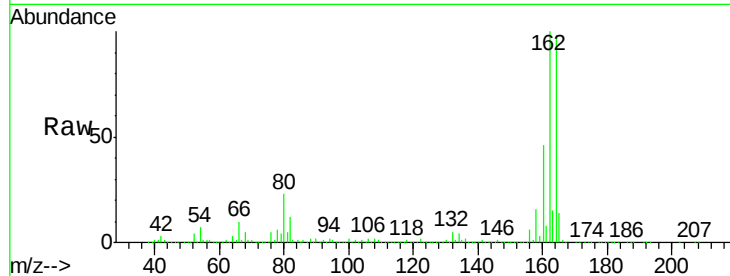




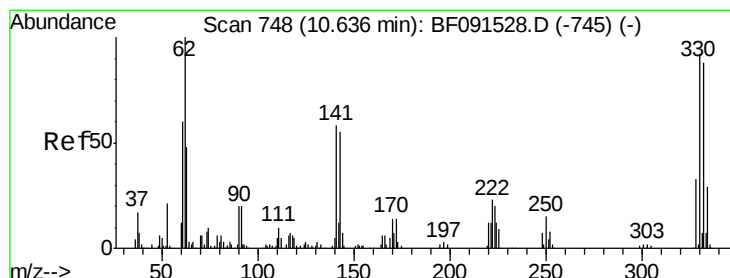
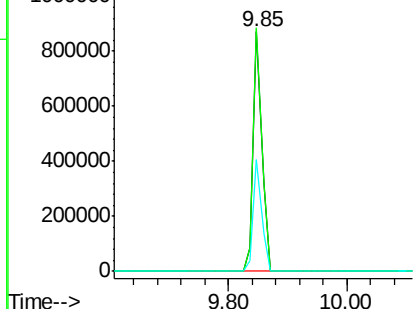
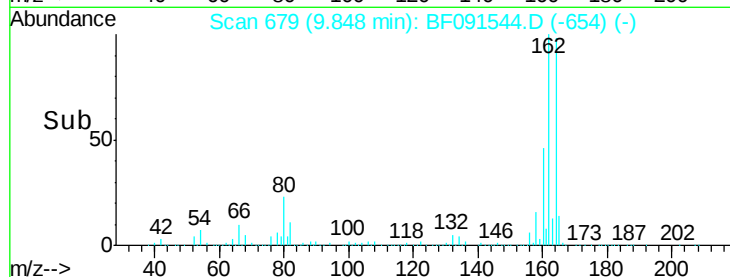
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: BF091544.D
 Acq: 9 Dec 2016 23:06

Instrument :
 BNA_F
 ClientSampleId :
 URSMW-09

Tgt Ion:164 Resp: 879547
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.6 124.0
 160 46.9 36.7 55.1

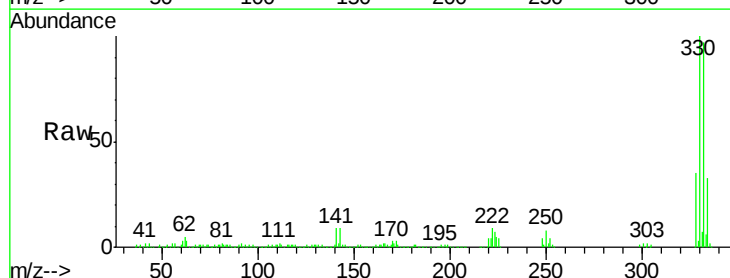


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

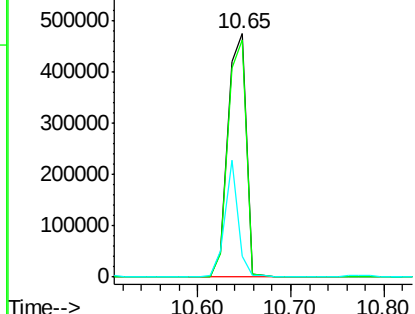
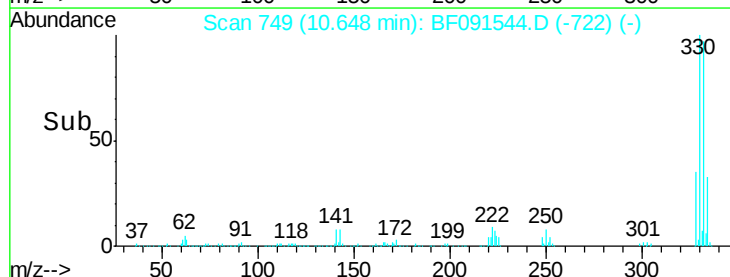


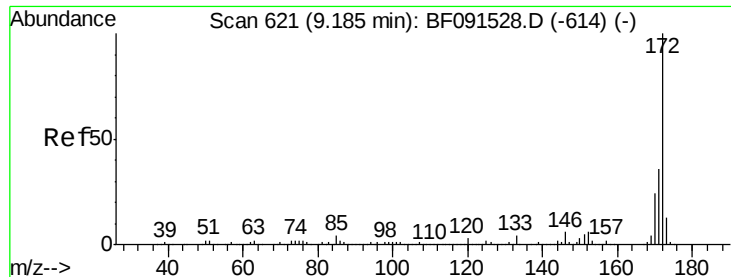
#41
 2,4,6-Tribromophenol
 Concen: 89.99 ng
 RT: 10.65 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: BF091544.D
 Acq: 9 Dec 2016 23:06

Tgt Ion:330 Resp: 657398
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.2 114.4
 141 33.8 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

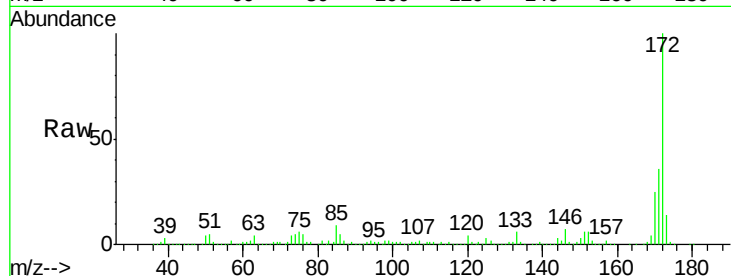




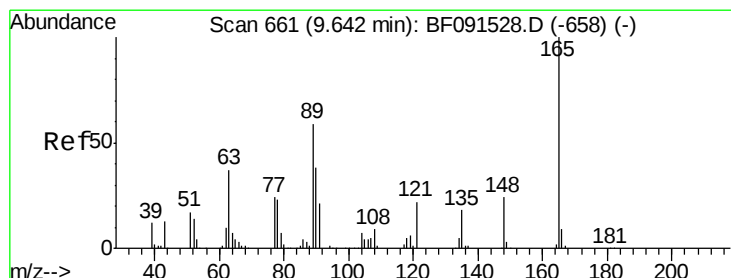
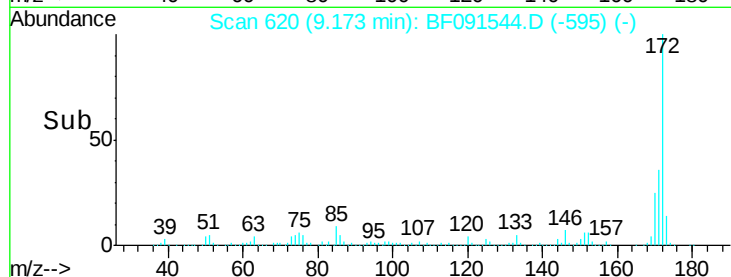
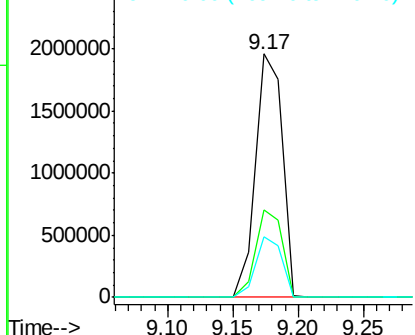
#44
 2-Fluorobiphenyl
 Concen: 55.25 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF091544.D
 Acq: 9 Dec 2016 23:06

Instrument :
 BNA_F
 ClientSampleId :
 URSMW-09

Tgt Ion:172 Resp: 2812652
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 24.7 19.7 29.5

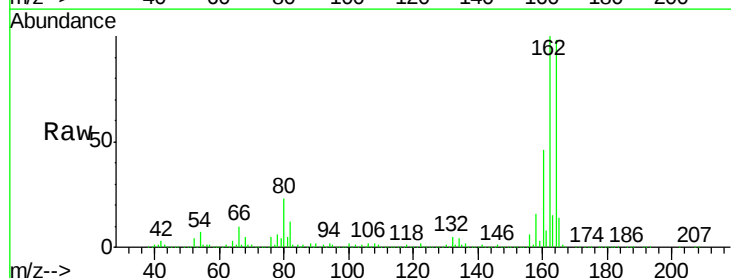


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

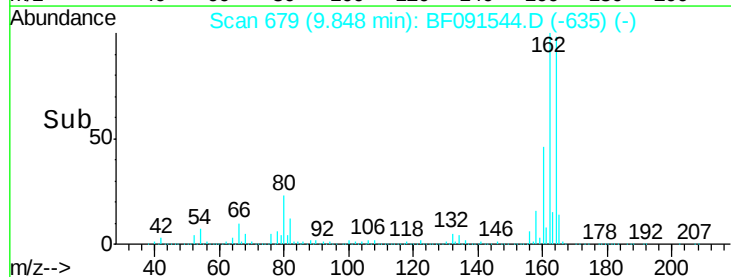
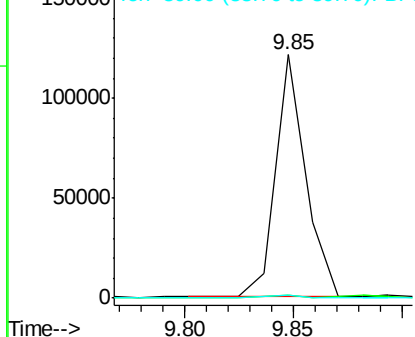


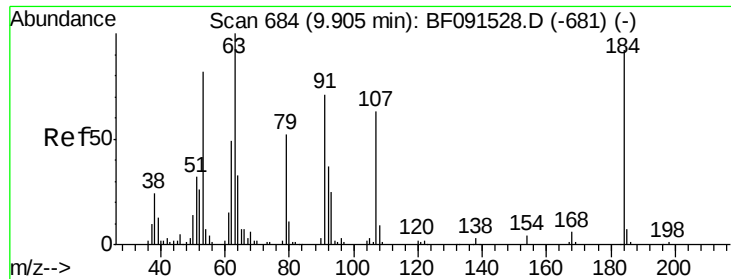
#50
 2,6-Dinitrotoluene
 Concen: 9.62 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.21 min
 Lab File: BF091544.D
 Acq: 9 Dec 2016 23:06

Tgt Ion:165 Resp: 117550
 Ion Ratio Lower Upper
 165 100
 63 1.3 59.4 89.0#
 89 1.5 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

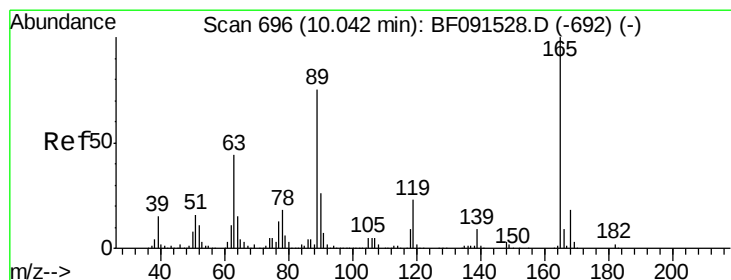
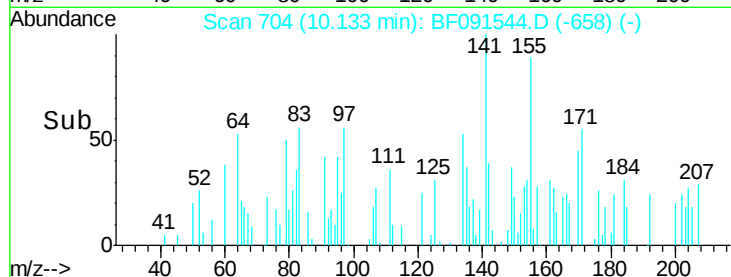
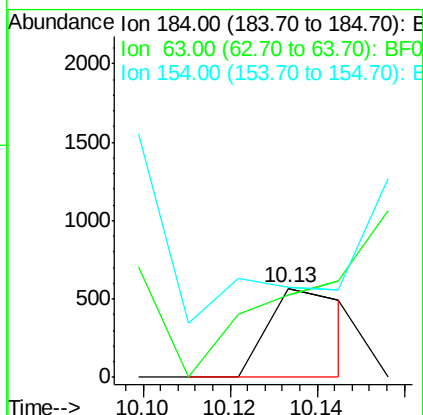
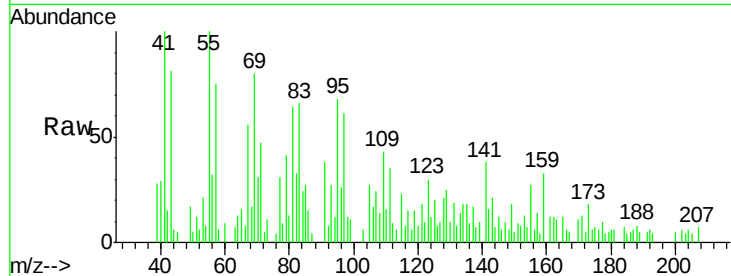




#53
2,4-Dinitrophenol
Concen: 2.14 ng
RT: 10.13 min Scan# 704
Delta R.T. 0.23 min
Lab File: BF091544.D
Acq: 9 Dec 2016 23:06

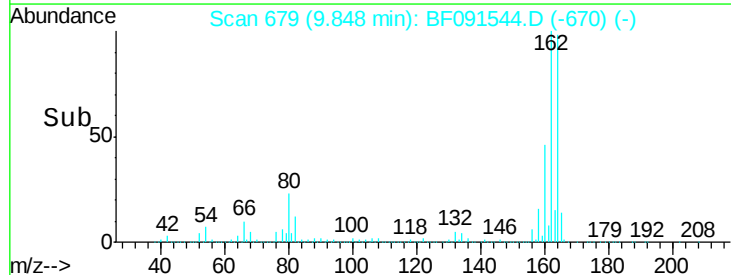
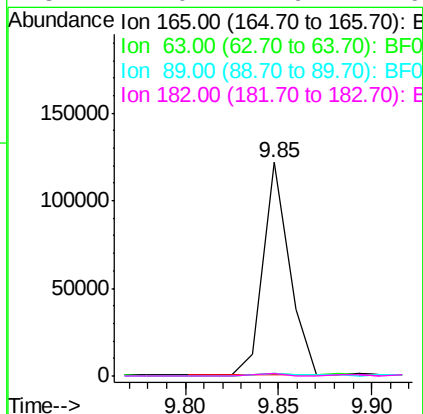
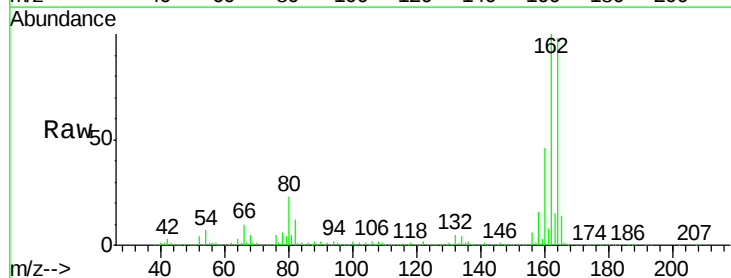
Instrument :
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ClientSampleId :
URSMW-09

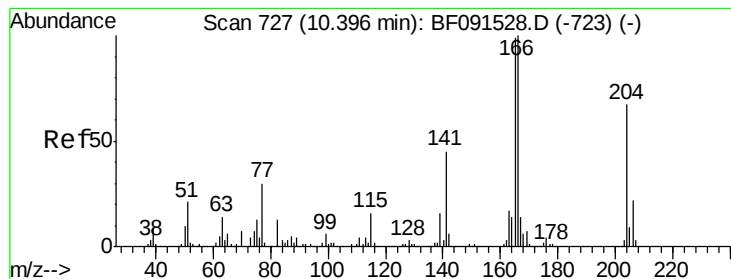
Tgt Ion:184 Resp: 725
Ion Ratio Lower Upper
184 100
63 92.1 58.3 87.5#
154 100.9 48.6 73.0#



#56
2,4-Dinitrotoluene
Concen: 7.69 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.19 min
Lab File: BF091544.D
Acq: 9 Dec 2016 23:06

Tgt Ion:165 Resp: 117861
Ion Ratio Lower Upper
165 100
63 1.3 29.0 43.4#
89 1.5 43.1 64.7#
182 1.0 1.9 2.9#





#57

Fluorene

Concen: Below Cal

RT: 10.40 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF091544.D

Acq: 9 Dec 2016 23:06

Instrument :

BNA_F

ClientSampleId :

URSMW-09

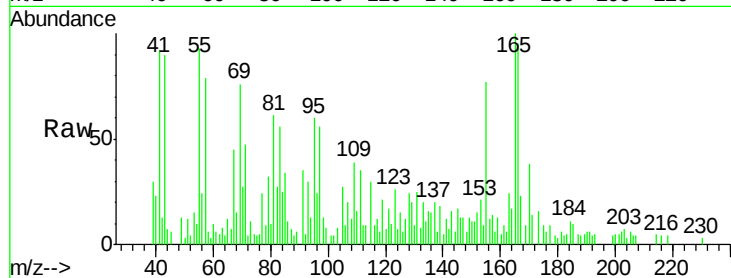
Tgt Ion:166 Resp: 8951

Ion Ratio Lower Upper

166 100

165 105.4 80.0 120.0

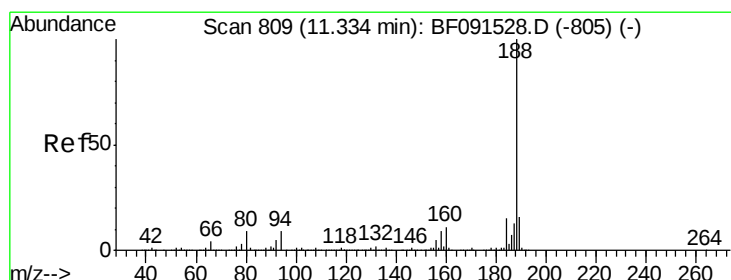
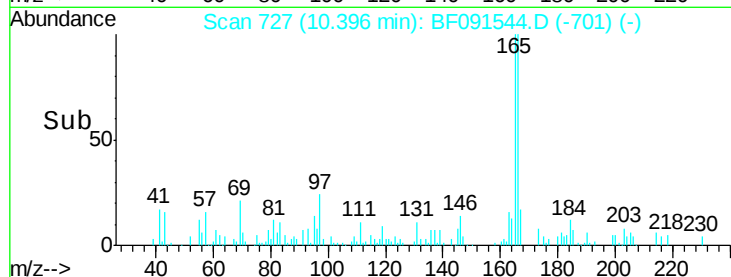
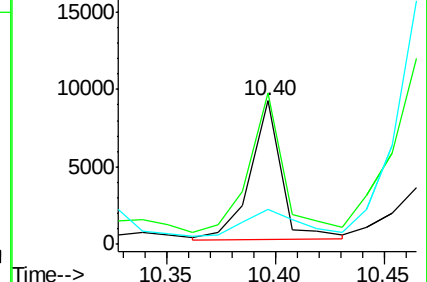
167 24.7 10.8 16.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.00 min

Lab File: BF091544.D

Acq: 9 Dec 2016 23:06

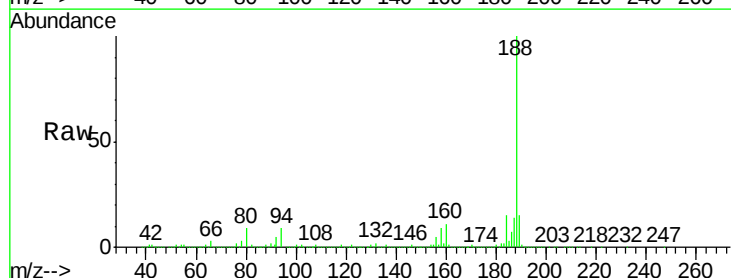
Tgt Ion:188 Resp: 1486022

Ion Ratio Lower Upper

188 100

94 8.8 9.2 13.8#

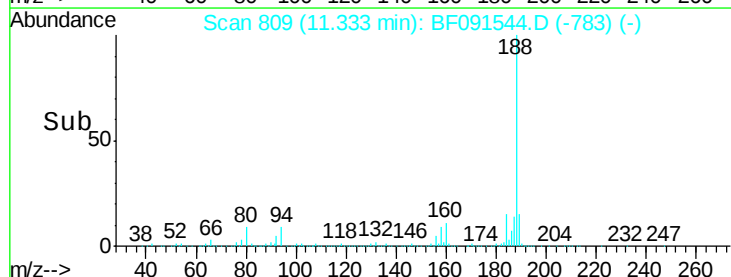
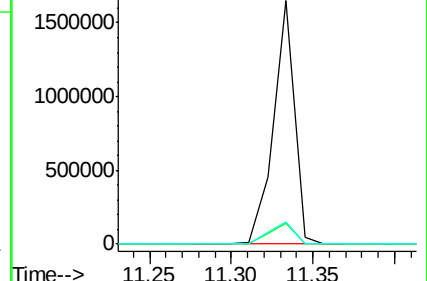
80 9.3 10.5 15.7#

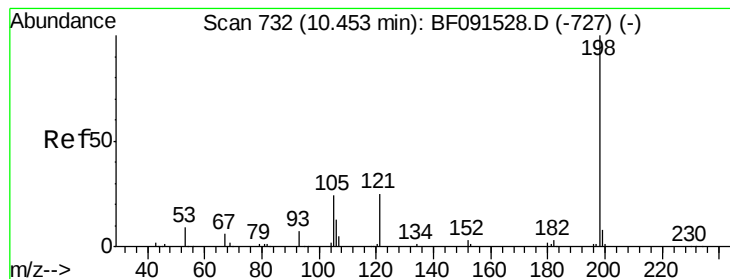


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.97 ng

RT: 10.42 min Scan# 729

Delta R.T. -0.03 min

Lab File: BF091544.D

Acq: 9 Dec 2016 23:06

Instrument :

BNA_F

ClientSampleId :

URSMW-09

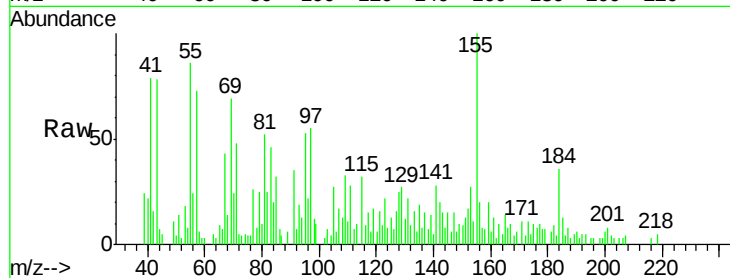
Tgt Ion:198 Resp: 237

Ion Ratio Lower Upper

198 100

51 436.8 77.1 117.1#

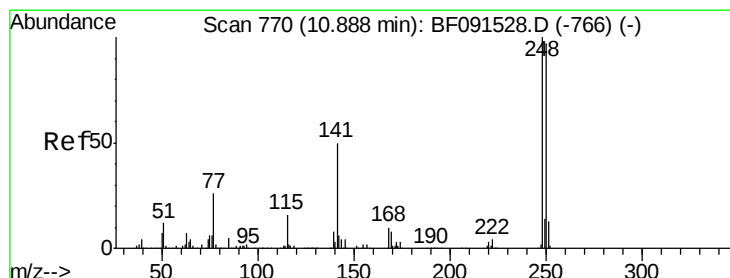
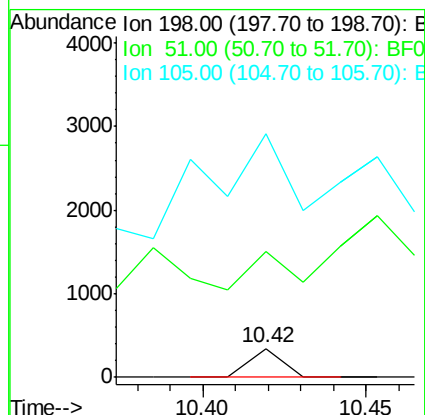
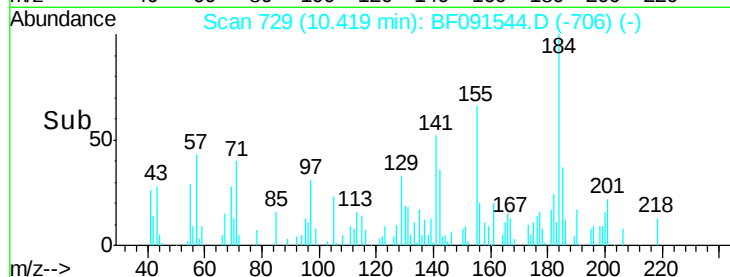
105 844.1 44.8 84.8#



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: 2.63 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.25 min

Lab File: BF091544.D

Acq: 9 Dec 2016 23:06

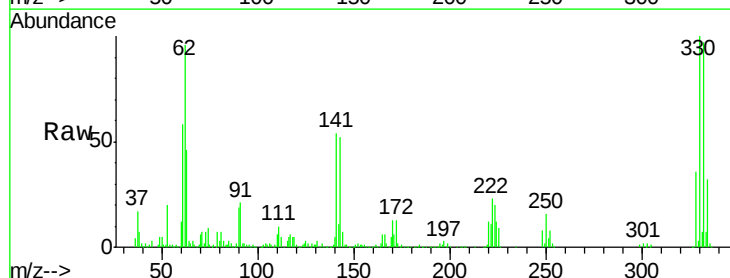
Tgt Ion:248 Resp: 40099

Ion Ratio Lower Upper

248 100

250 197.8 78.2 117.4#

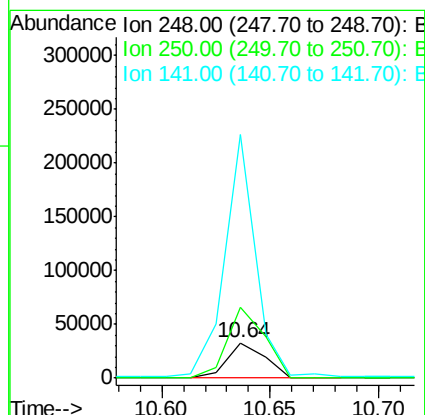
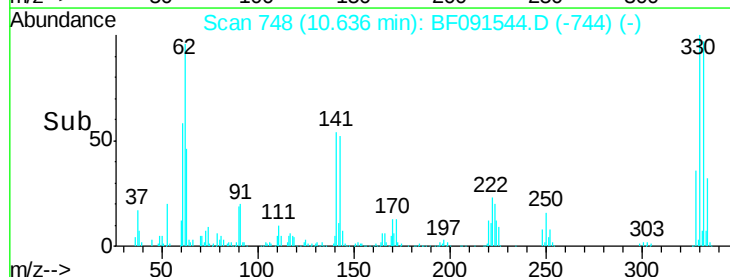
141 685.4 71.9 107.9#

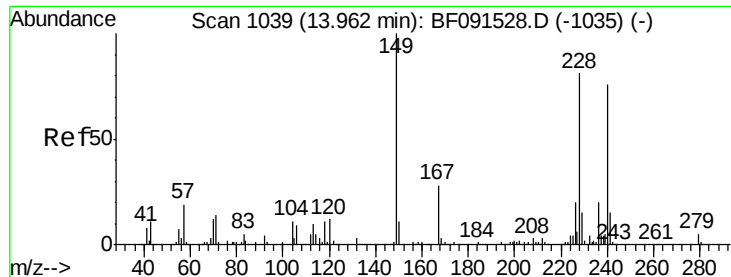


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF091544.D

Acq: 9 Dec 2016 23:06

Instrument :

BNA_F

ClientSampleId :

URSMW-09

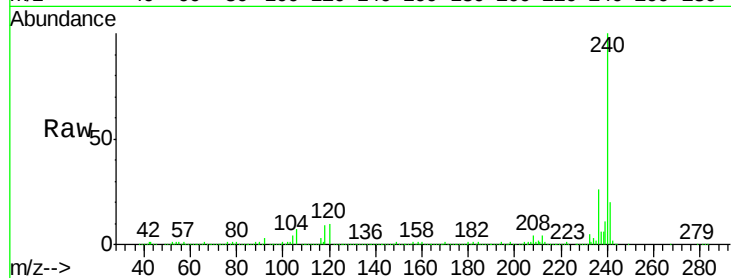
Tgt Ion:240 Resp: 1105659

Ion Ratio Lower Upper

240 100

120 10.1 12.1 18.1#

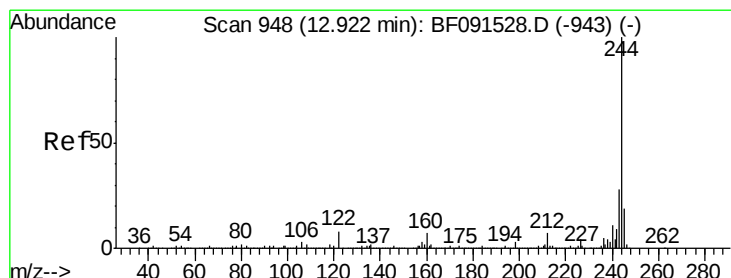
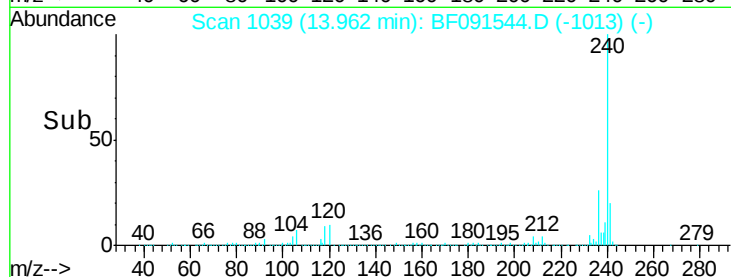
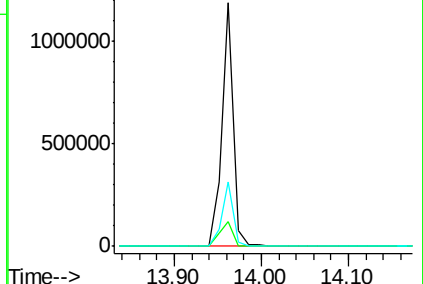
236 26.4 21.0 31.6



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: 50.91 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF091544.D

Acq: 9 Dec 2016 23:06

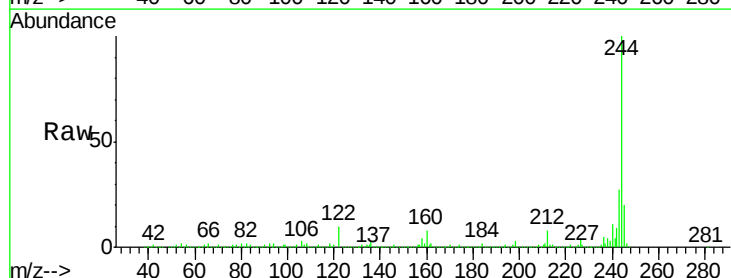
Tgt Ion:244 Resp: 2480489

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

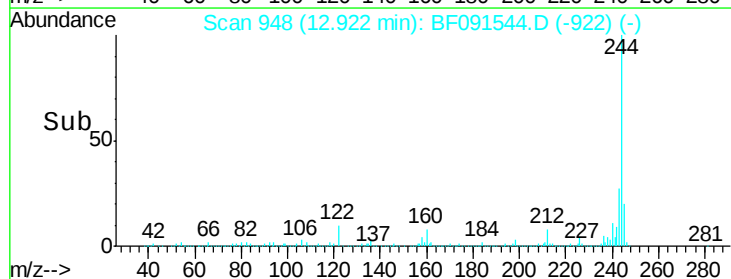
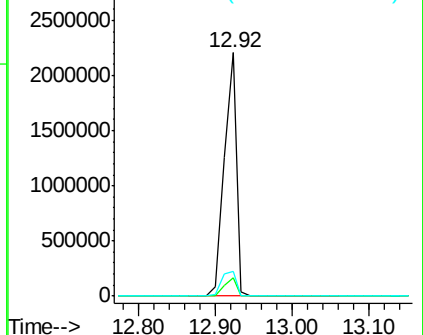
122 10.2 9.5 14.3

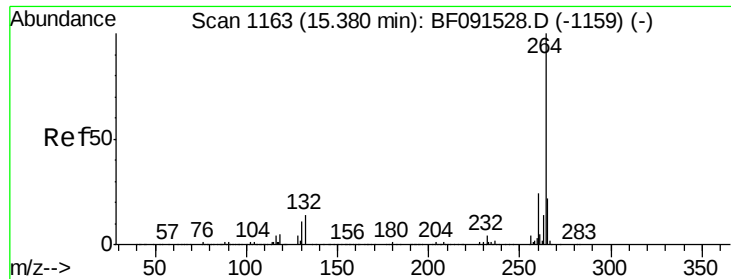


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF091544.D
Acq: 9 Dec 2016 23:06

Instrument :
BNA_F
ClientSampleId :
URSMW-09

Tgt Ion: 264 Resp: 941038
Ion Ratio Lower Upper
264 100
260 23.6 18.8 28.2
265 21.7 17.0 25.6

