

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121916\
 Data File : BF091792.D
 Acq On : 20 Dec 2016 00:04
 Operator : UM/SJ
 Sample : H6126-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-29

Quant Time: Dec 20 00:29:13 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

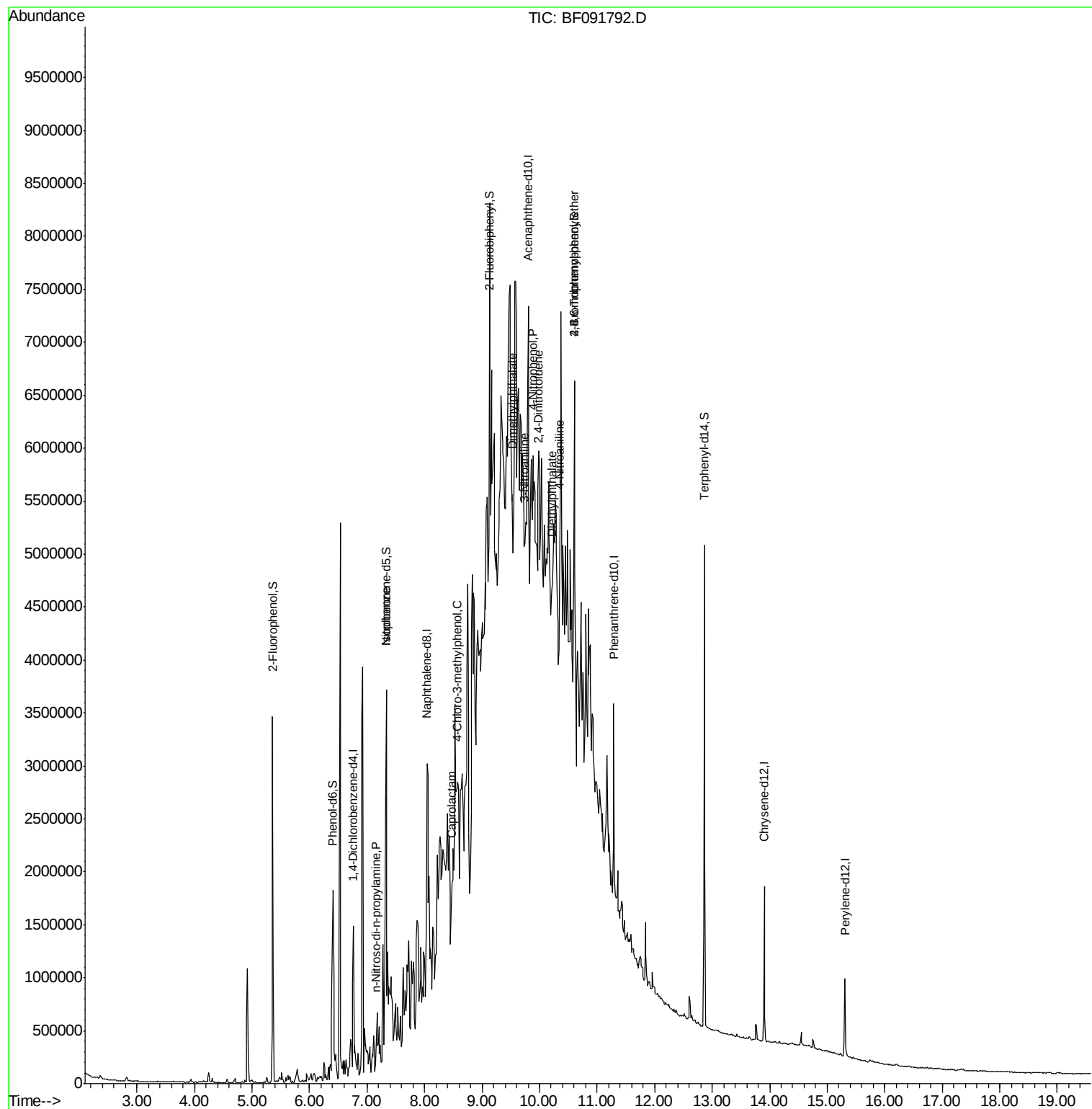
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	237376	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	822553	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	422089	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	645268	20.00	ng	0.00
75) Chrysene-d12	13.91	240	493587	20.00	ng	-0.02
86) Perylene-d12	15.31	264	432681	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1008436	71.17	ng	-0.01
7) Phenol-d6	6.41	99	889440	51.47	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1677791	117.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	425799	118.97	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1891773	90.04	ng	-0.01
78) Terphenyl-d14	12.87	244	1643684	84.08	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.30	77	1923	Below Cal	#	69
19) n-Nitroso-di-n-propylamine	7.16	70	43866	3.82 ng	#	55
25) Isophorone	7.33	82	1458449	53.59 ng	#	65
35) Caprolactam	8.48	113	13289	3.71 ng	#	1
36) 4-Chloro-3-methylphenol	8.57	107	24975	2.04 ng	#	38
49) Dimethylphthalate	9.53	163	182452	6.62 ng	#	89
52) 3-Nitroaniline	9.73	138	156894	20.85 ng	#	2
55) 4-Nitrophenol	9.88	139	105103	20.11 ng	#	1
56) 2,4-Dinitrotoluene	9.97	165	16944	2.24 ng	#	53
59) Diethylphthalate	10.22	149	140222	5.17 ng	#	50
61) 4-Nitroaniline	10.35	138	17143	2.40 ng	#	1
66) 4-Bromophenyl-phenylether	10.60	248	28357	4.19 ng	#	1

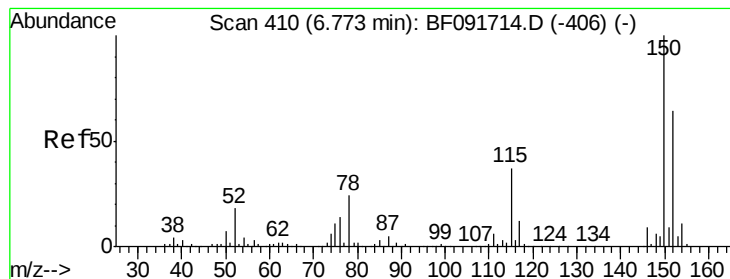
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091792.D

Acq: 20 Dec 2016 00:04

Instrument :

BNA_F

ClientSampleId :

MW-29

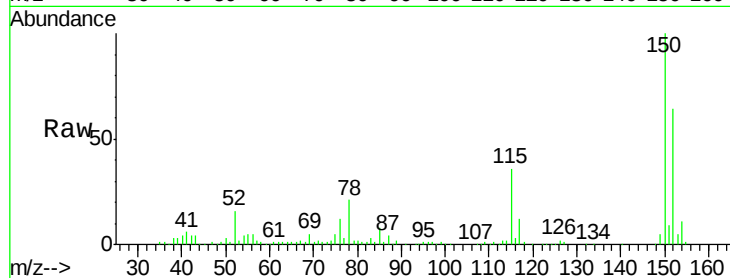
Tgt Ion:152 Resp: 237376

Ion Ratio Lower Upper

152 100

150 155.1 124.9 187.3

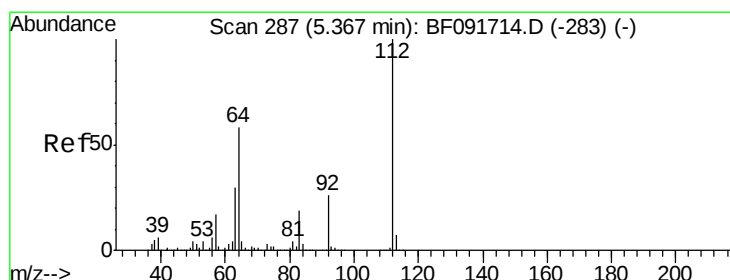
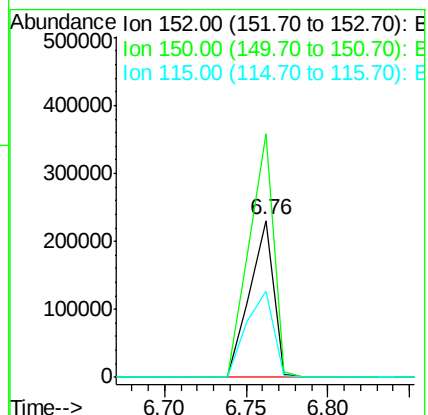
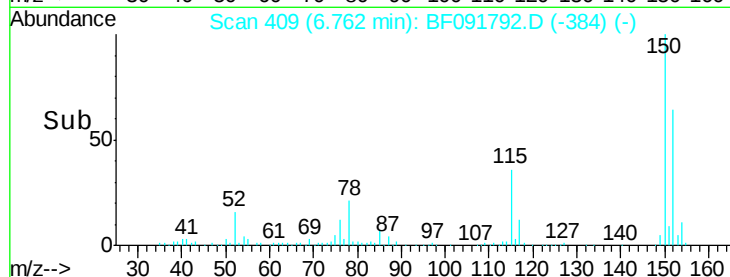
115 55.3 46.0 69.0



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: 71.17 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.01 min

Lab File: BF091792.D

Acq: 20 Dec 2016 00:04

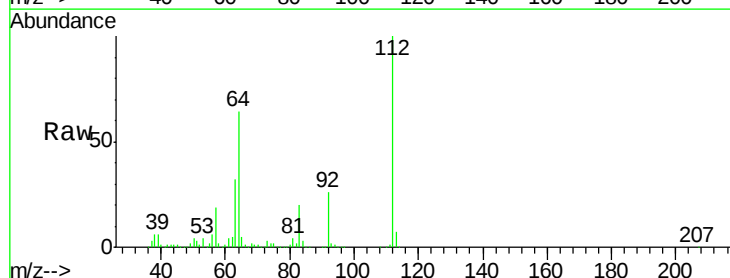
Tgt Ion:112 Resp: 1008436

Ion Ratio Lower Upper

112 100

64 63.7 46.1 69.1

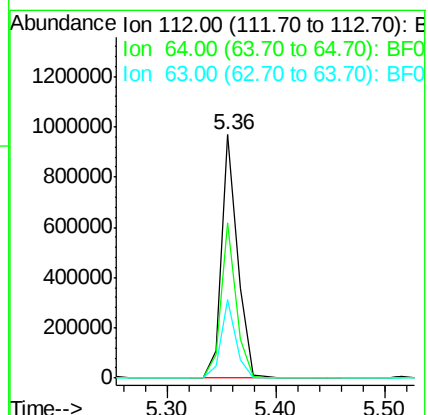
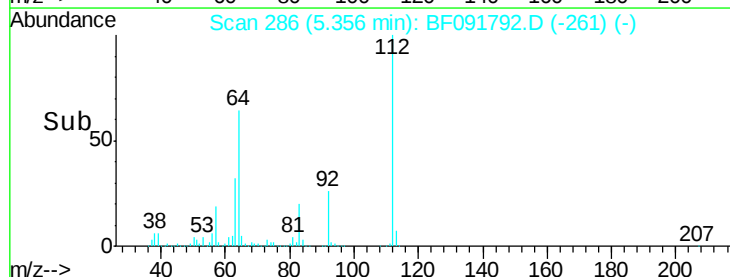
63 32.2 23.8 35.6

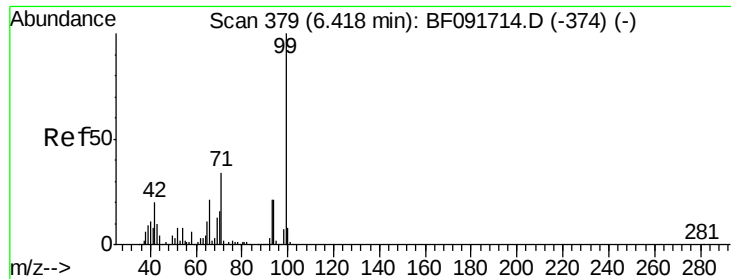


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 51.47 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF091792.D

Acq: 20 Dec 2016 00:04

Instrument :

BNA_F

ClientSampleId :

MW-29

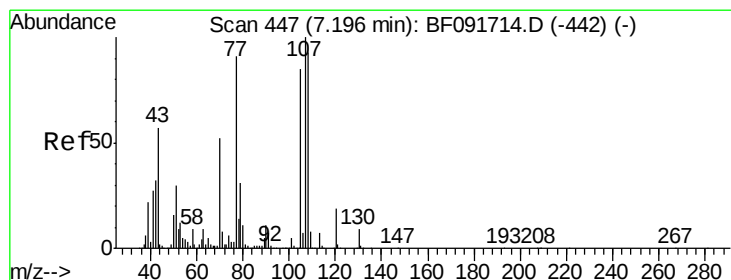
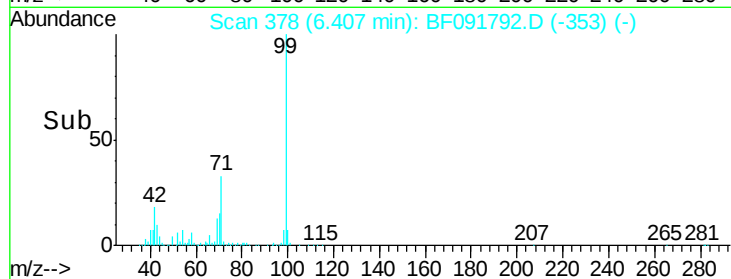
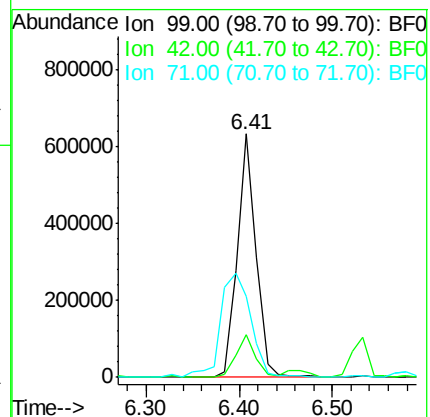
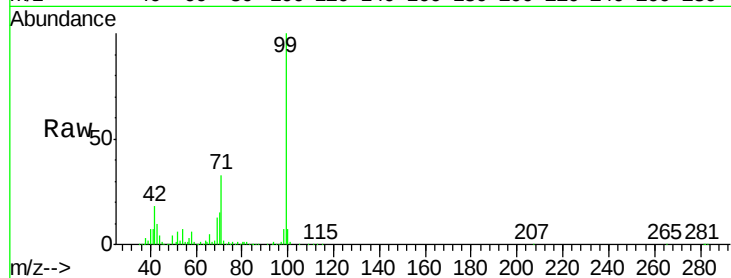
Tgt Ion: 99 Resp: 889440

Ion Ratio Lower Upper

99 100

42 17.7 15.6 23.4

71 33.2 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 3.82 ng

RT: 7.16 min Scan# 444

Delta R.T. -0.03 min

Lab File: BF091792.D

Acq: 20 Dec 2016 00:04

Tgt Ion: 70 Resp: 43866

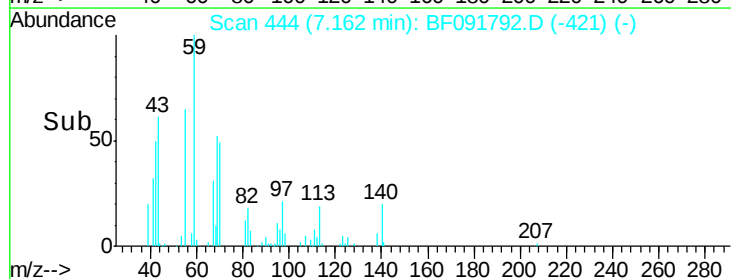
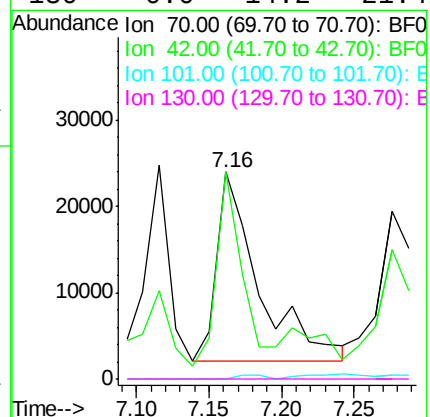
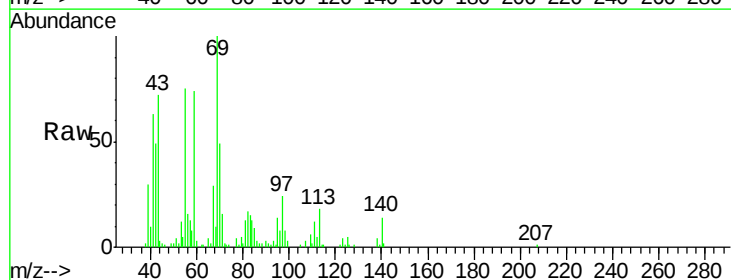
Ion Ratio Lower Upper

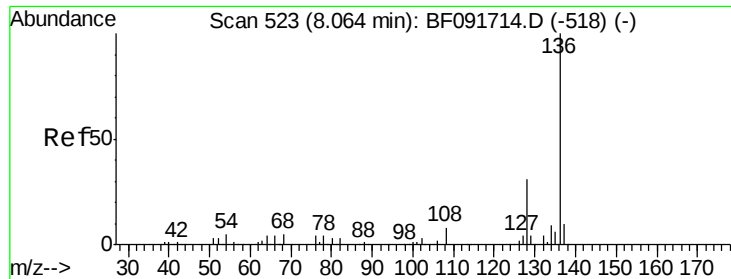
70 100

42 100.0 49.4 74.0#

101 0.0 7.4 11.2#

130 0.0 14.2 21.4#

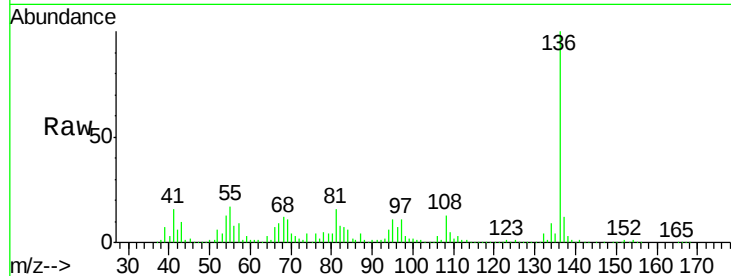




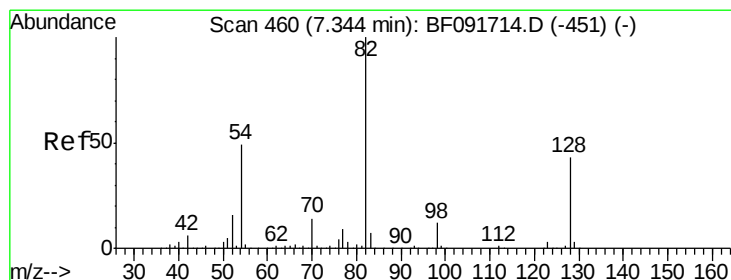
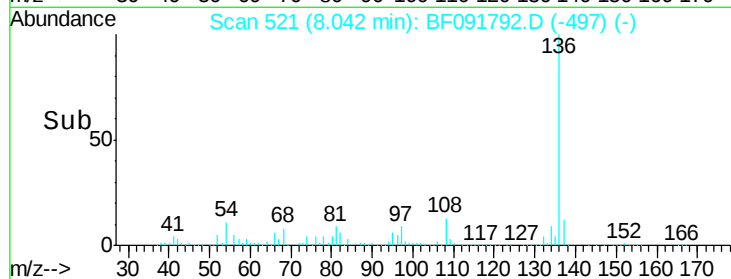
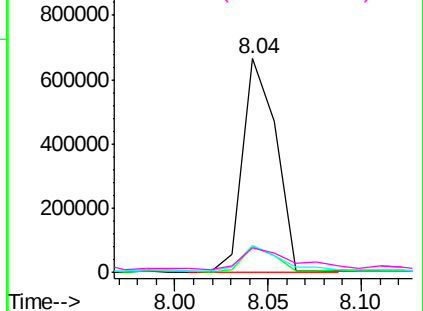
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF091792.D
Acq: 20 Dec 2016 00:04

Instrument :
BNA_F
ClientSampleId :
MW-29

Tgt Ion:	136	Resp:	822553
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.4	12.6
54	12.8	4.5	6.7#
68	11.6	3.6	5.4#

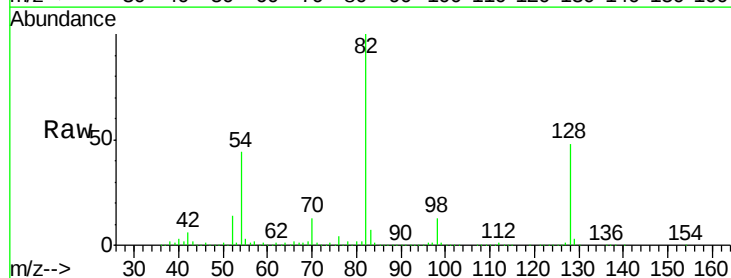


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

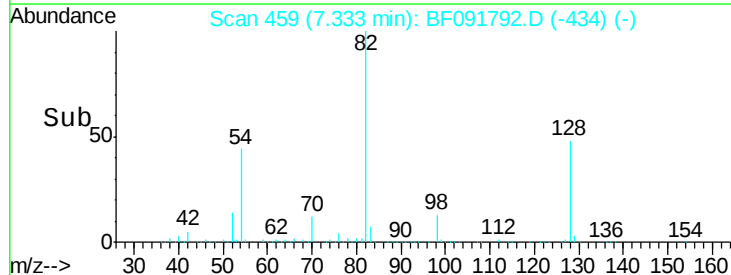
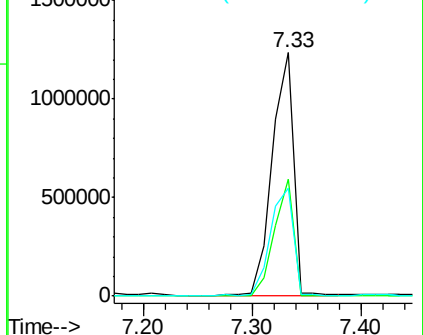


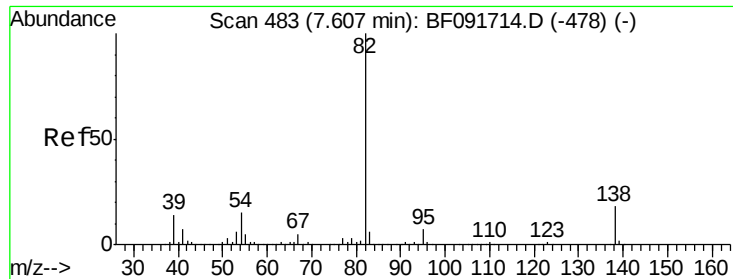
#23
Nitrobenzene-d5
Concen: 117.63 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF091792.D
Acq: 20 Dec 2016 00:04

Tgt Ion:	82	Resp:	1677791
Ion	Ratio	Lower	Upper
82	100		
128	48.0	34.6	52.0
54	44.5	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: 53.59 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.27 min

Lab File: BF091792.D

Acq: 20 Dec 2016 00:04

Instrument :

BNA_F

ClientSampleId :

MW-29

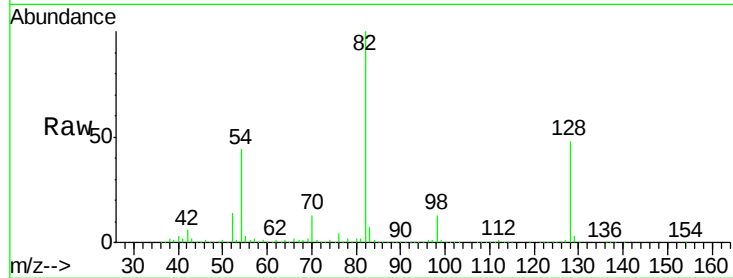
Tgt Ion: 82 Resp: 1458449

Ion Ratio Lower Upper

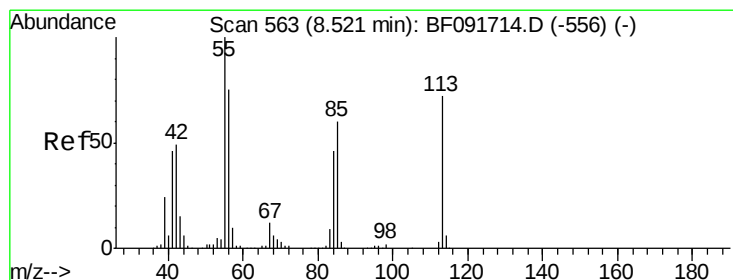
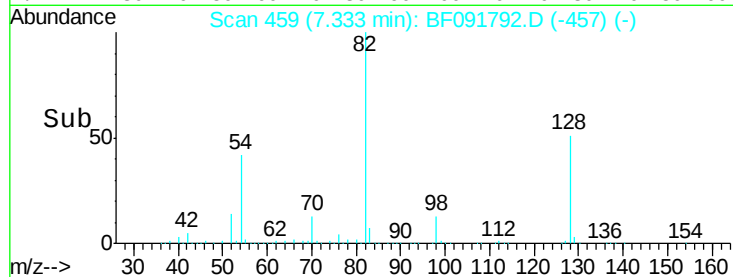
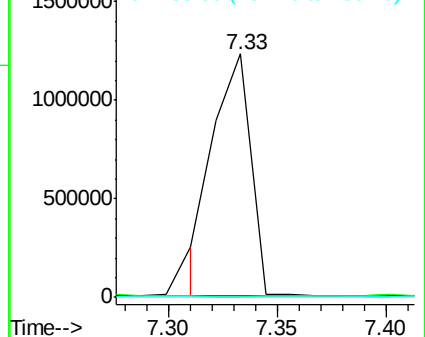
82 100

95 0.4 5.6 8.4#

138 0.1 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



#35

Caprolactam

Concen: 3.71 ng

RT: 8.48 min Scan# 559

Delta R.T. -0.05 min

Lab File: BF091792.D

Acq: 20 Dec 2016 00:04

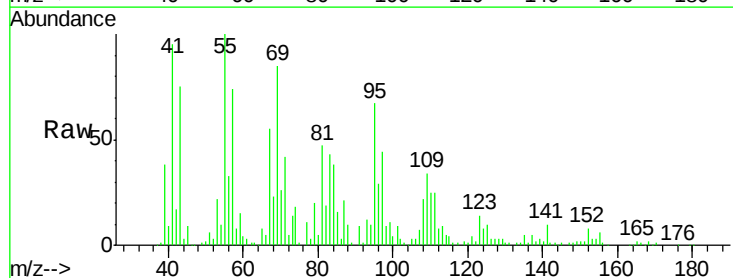
Tgt Ion: 113 Resp: 13289

Ion Ratio Lower Upper

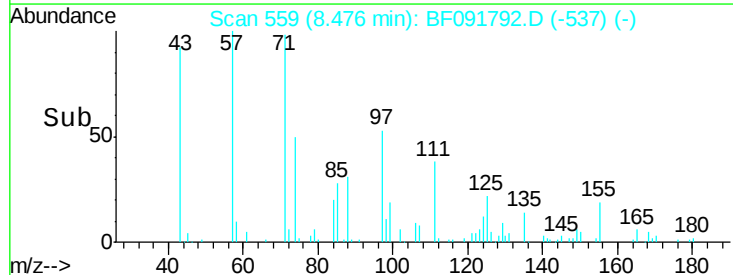
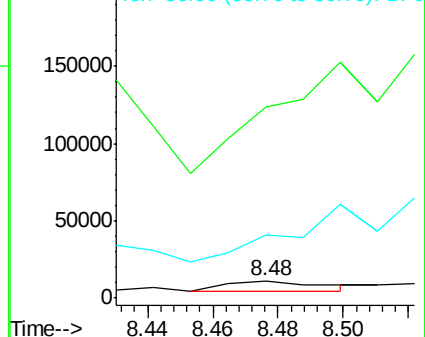
113 100

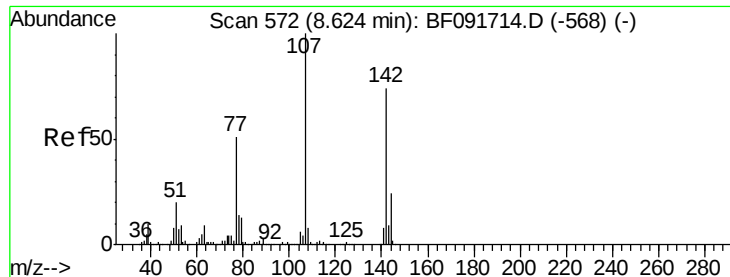
55 1121.7 119.2 159.2#

56 368.0 83.8 123.8#



Abundance Ion 113.00 (112.70 to 113.70): BF0
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

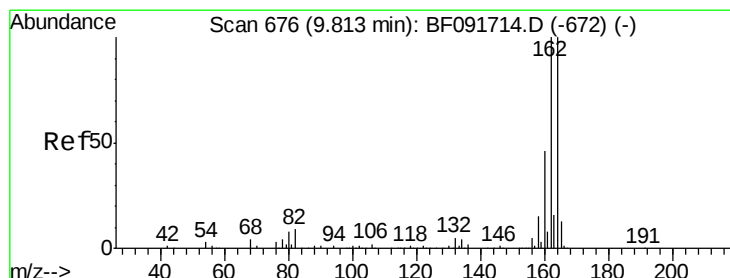
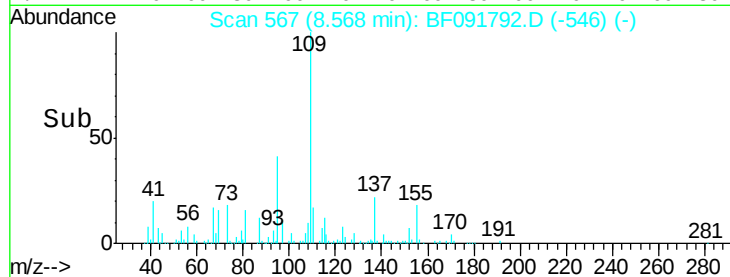
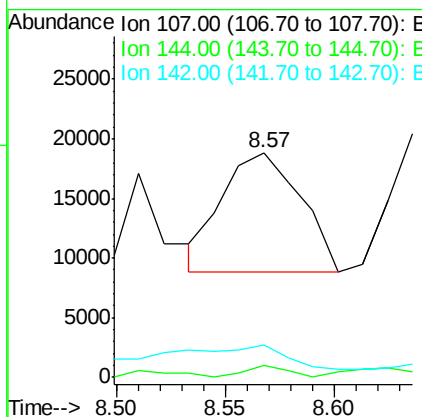
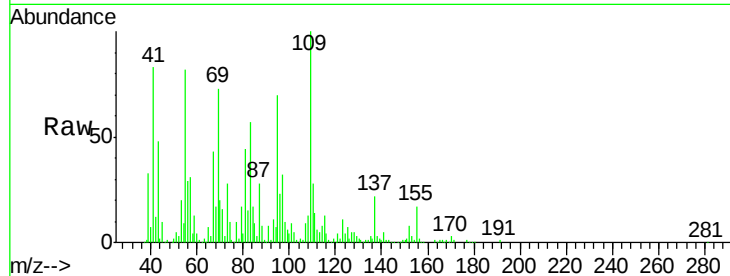




#36
 4-Chloro-3-methylphenol
 Concen: 2.04 ng
 RT: 8.57 min Scan# 567
 Delta R.T. -0.06 min
 Lab File: BF091792.D
 Acq: 20 Dec 2016 00:04

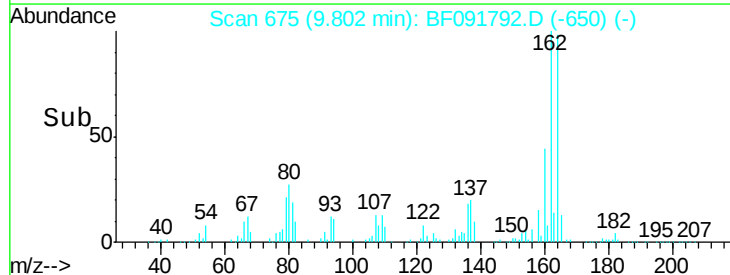
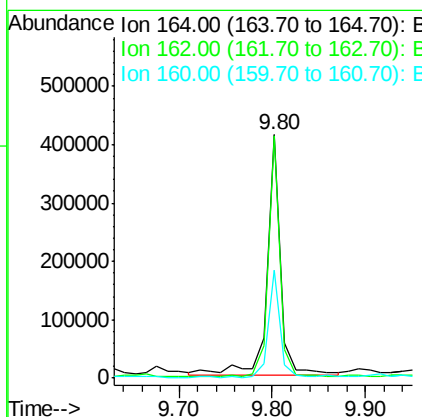
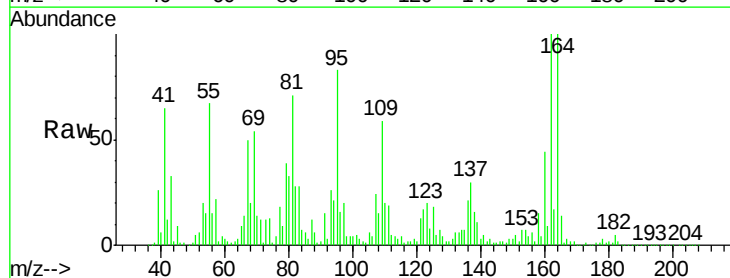
Instrument :
 BNA_F
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 MW-29

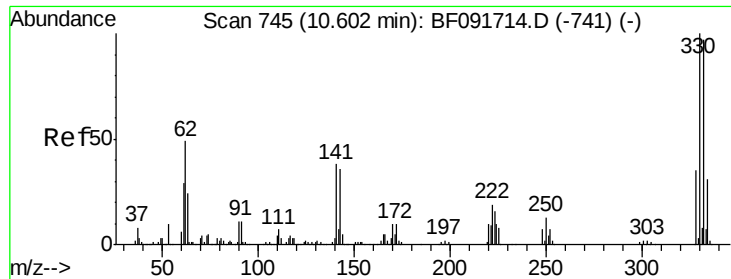
Tgt Ion:107 Resp: 24975
 Ion Ratio Lower Upper
 107 100
 144 5.4 19.3 28.9#
 142 14.3 59.0 88.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF091792.D
 Acq: 20 Dec 2016 00:04

Tgt Ion:164 Resp: 422089
 Ion Ratio Lower Upper
 164 100
 162 99.8 80.2 120.2
 160 44.2 36.9 55.3

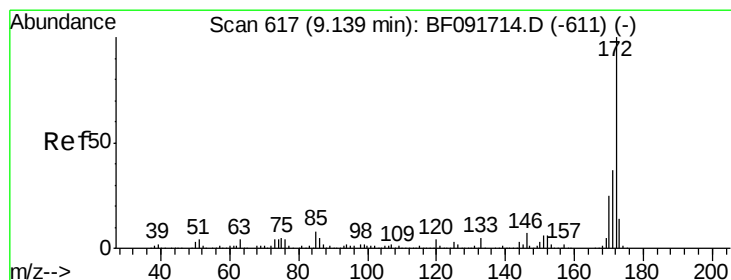
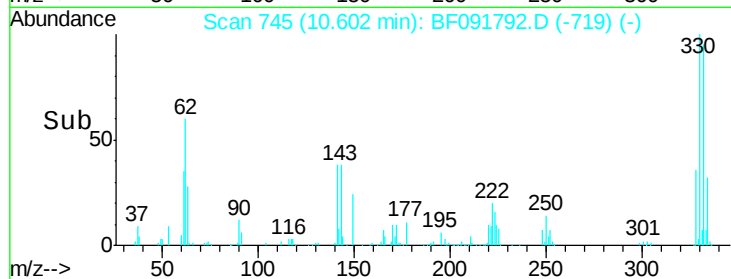
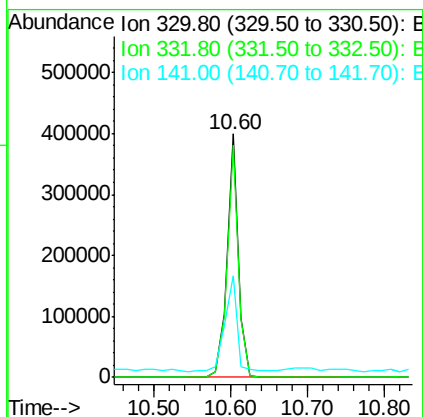
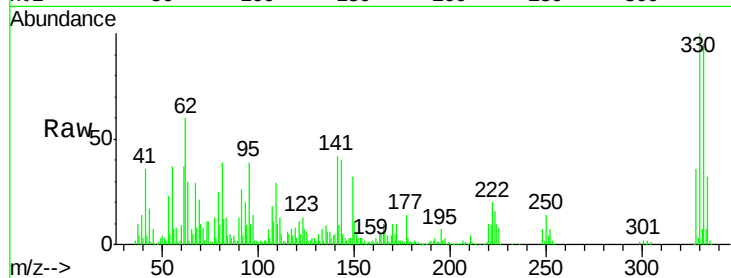




#41
 2,4,6-Tribromophenol
 Concen: 118.97 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF091792.D
 Acq: 20 Dec 2016 00:04

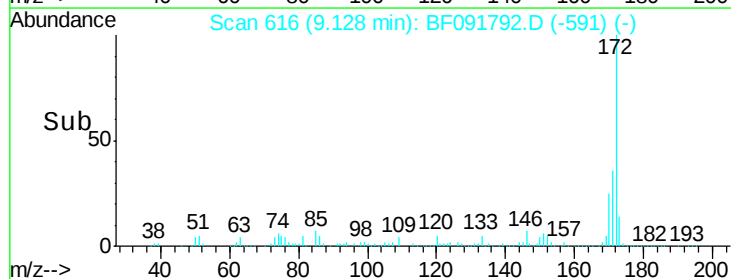
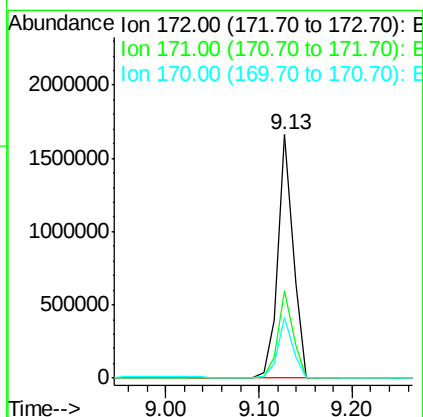
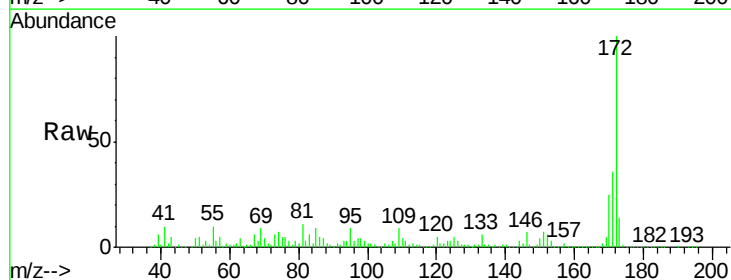
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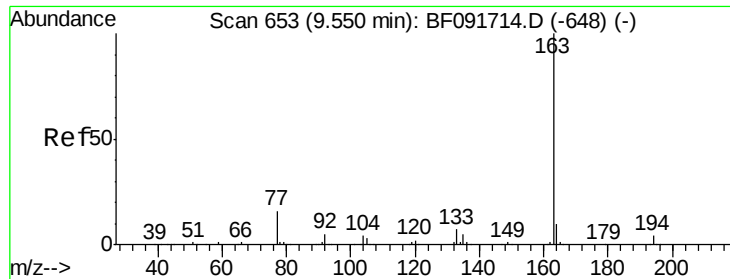
Tgt Ion:330 Resp: 425799
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.4 116.2
 141 41.7 34.1 51.1



#44
 2-Fluorobiphenyl
 Concen: 90.04 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF091792.D
 Acq: 20 Dec 2016 00:04

Tgt Ion:172 Resp: 1891773
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 25.1 20.2 30.4

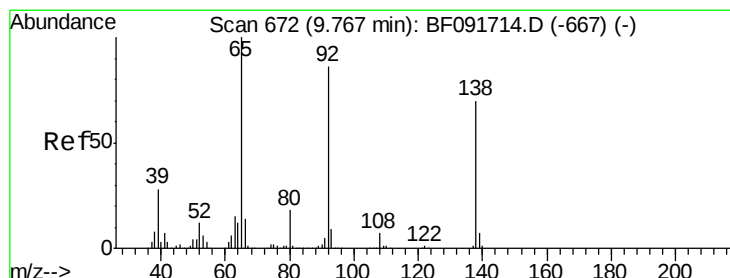
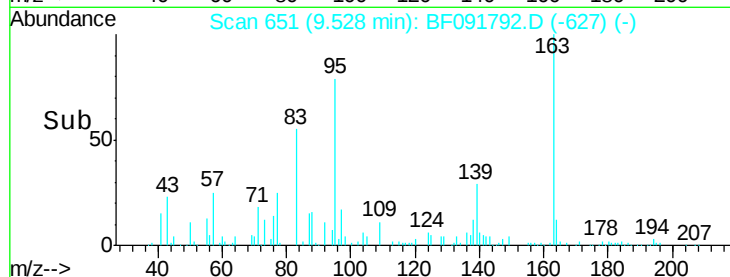
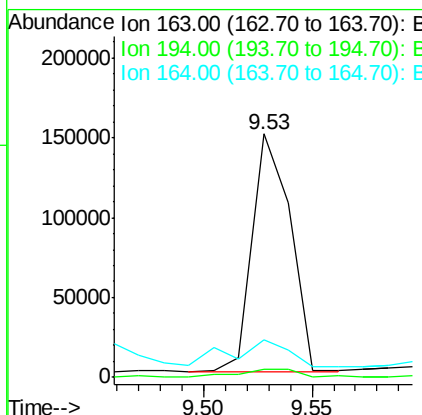
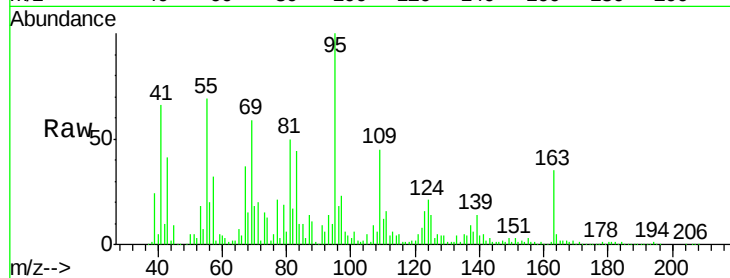




#49
Dimethylphthalate
Concen: 6.62 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.02 min
Lab File: BF091792.D
Acq: 20 Dec 2016 00:04

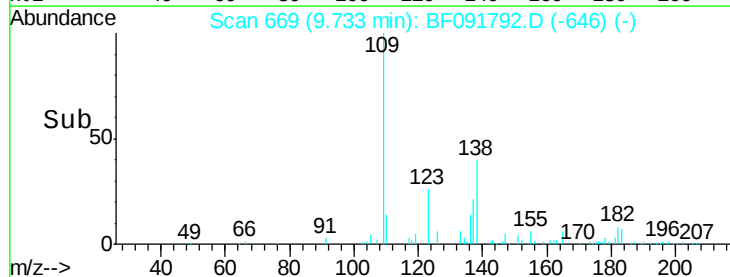
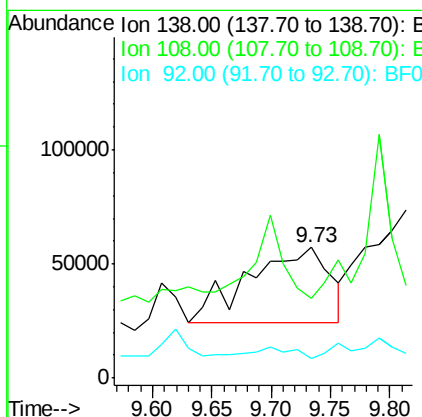
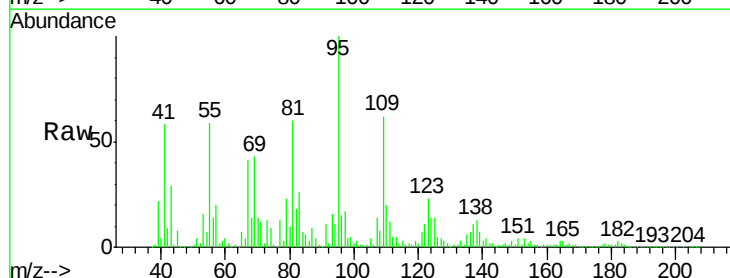
Instrument :
BNA_F
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MW-29

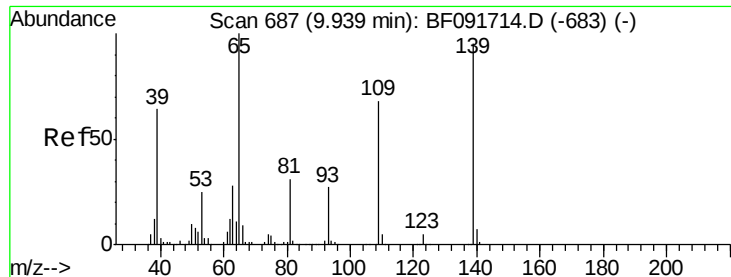
Tgt Ion:163 Resp: 182452
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 15.4 8.0 12.0#



#52
3-Nitroaniline
Concen: 20.85 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.03 min
Lab File: BF091792.D
Acq: 20 Dec 2016 00:04

Tgt Ion:138 Resp: 156894
Ion Ratio Lower Upper
138 100
108 60.7 8.5 12.7#
92 15.3 97.8 146.8#

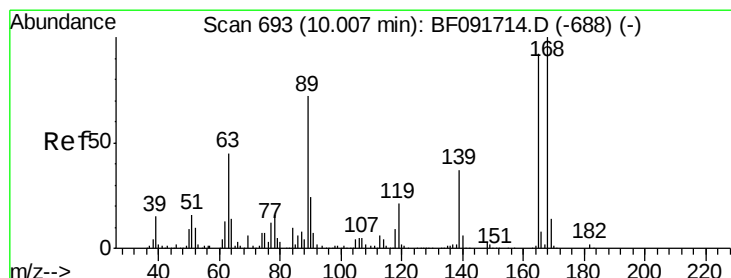
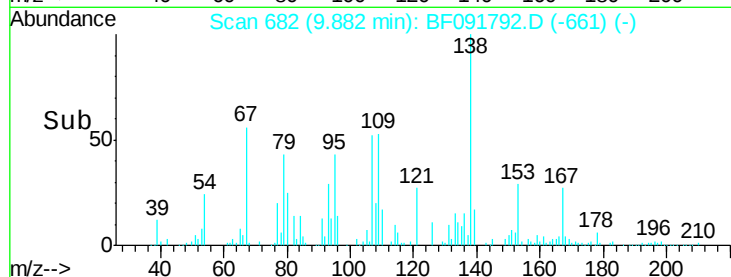
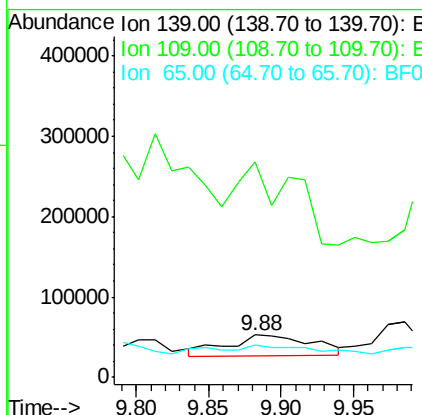
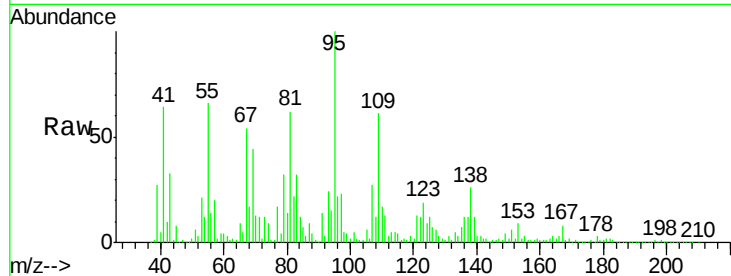




#55
4-Nitrophenol
Concen: 20.11 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.06 min
Lab File: BF091792.D
Acq: 20 Dec 2016 00:04

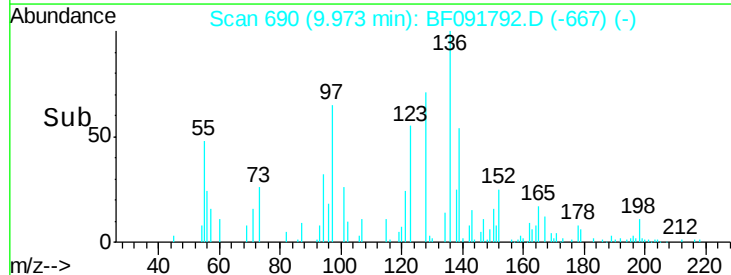
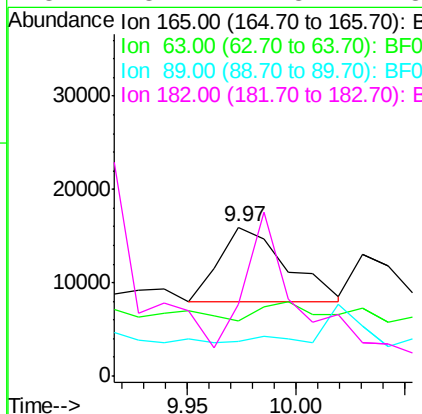
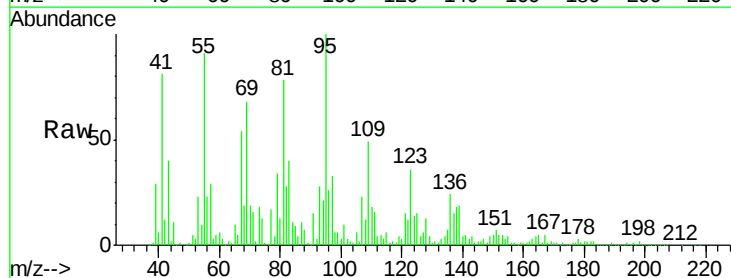
Instrument :
BNA_F
ClientSampleId :
MW-29

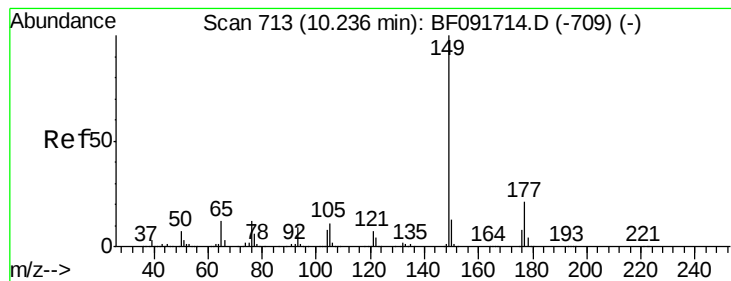
Tgt Ion:139 Resp: 105103
Ion Ratio Lower Upper
139 100
109 509.6 52.2 92.2#
65 76.1 85.8 125.8#



#56
2,4-Dinitrotoluene
Concen: 2.24 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.03 min
Lab File: BF091792.D
Acq: 20 Dec 2016 00:04

Tgt Ion:165 Resp: 16944
Ion Ratio Lower Upper
165 100
63 36.9 40.2 60.4#
89 23.3 62.5 93.7#
182 48.1 1.8 2.8#





#59

Diethylphthalate

Concen: 5.17 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF091792.D

Acq: 20 Dec 2016 00:04

Instrument :

BNA_F

ClientSampleId :

MW-29

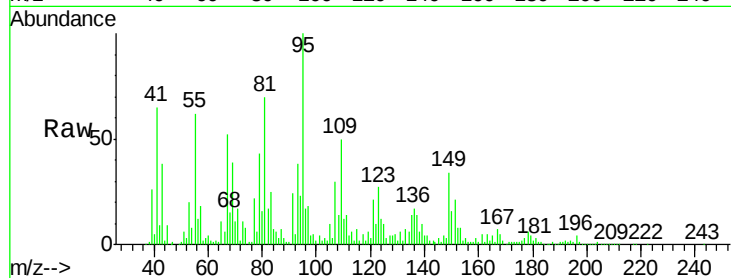
Tgt Ion:149 Resp: 140222

Ion Ratio Lower Upper

149 100

177 8.0 16.6 25.0#

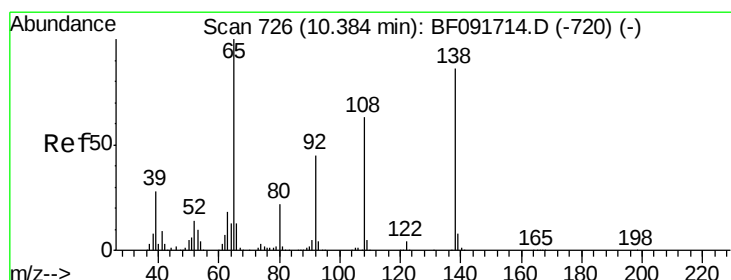
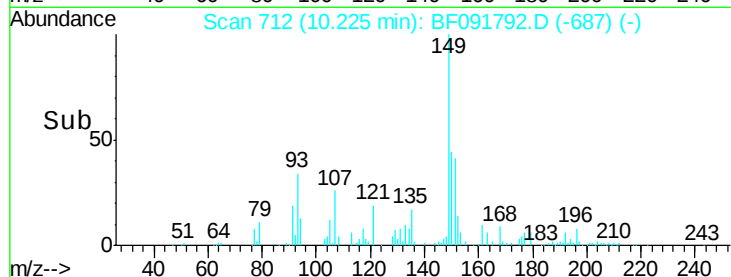
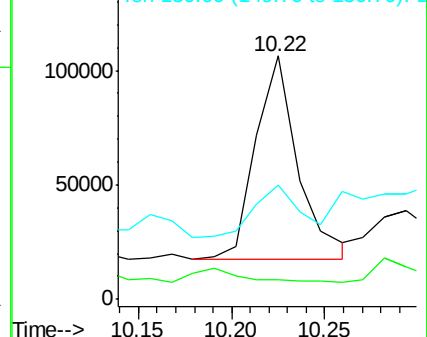
150 46.8 10.4 15.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#61

4-Nitroaniline

Concen: 2.40 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF091792.D

Acq: 20 Dec 2016 00:04

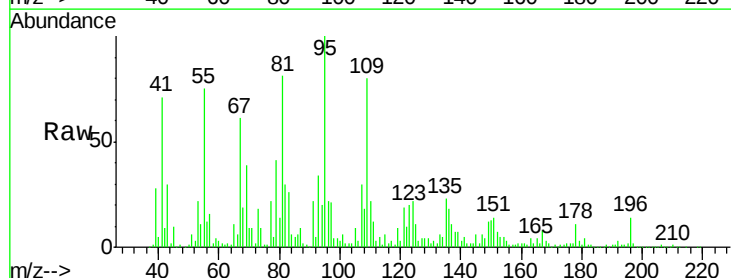
Tgt Ion:138 Resp: 17143

Ion Ratio Lower Upper

138 100

92 64.8 31.7 71.7

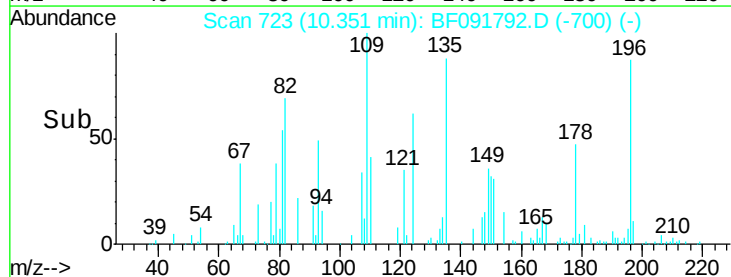
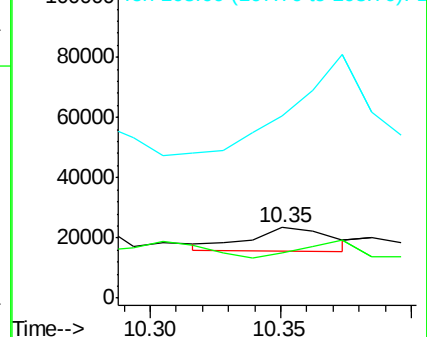
108 258.1 52.6 92.6#

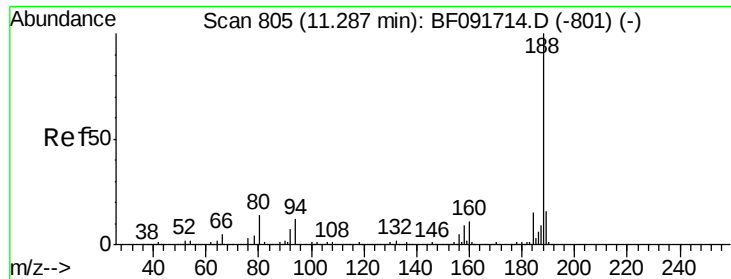


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E

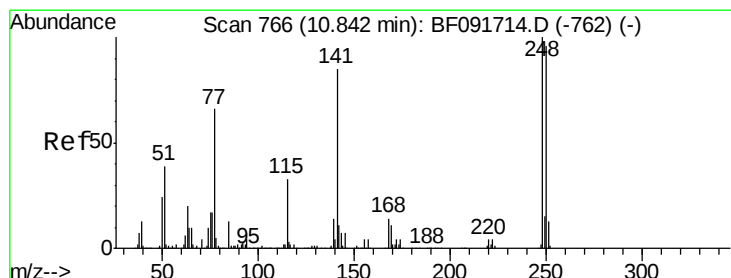
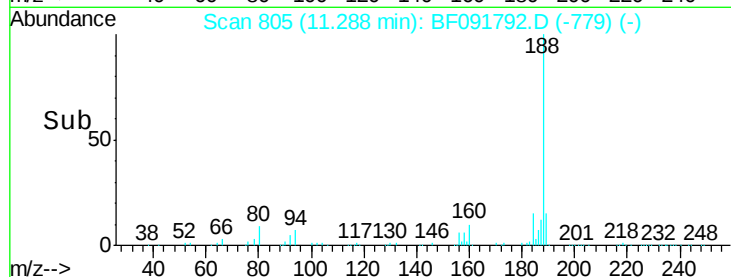
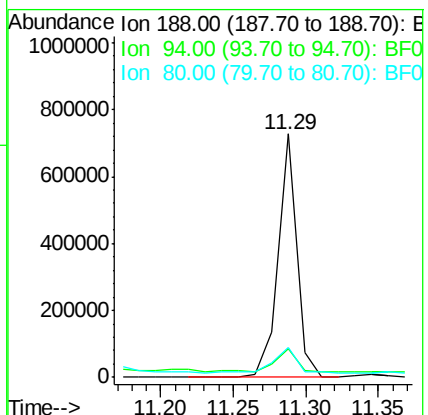
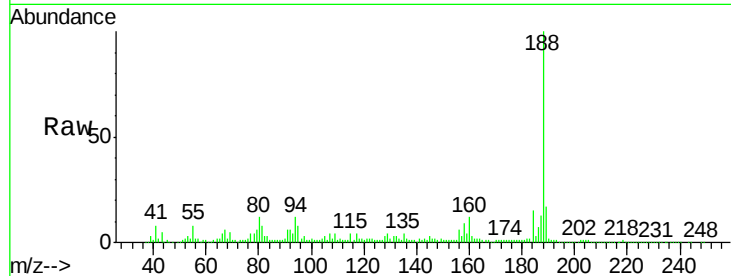




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF091792.D
Acq: 20 Dec 2016 00:04

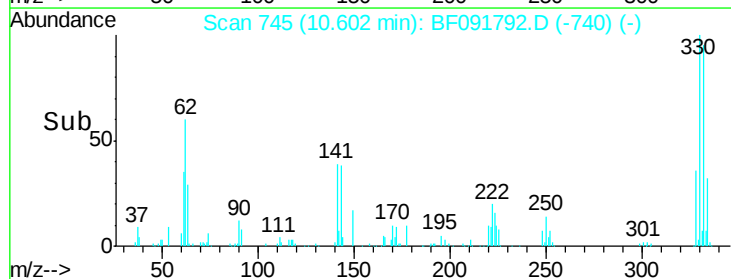
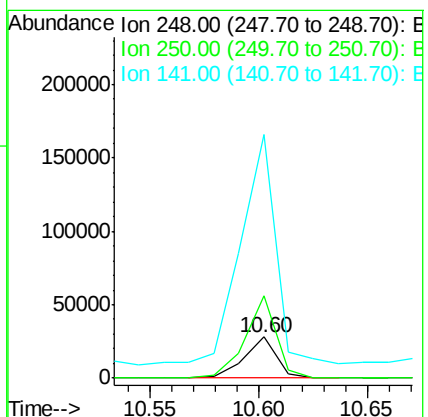
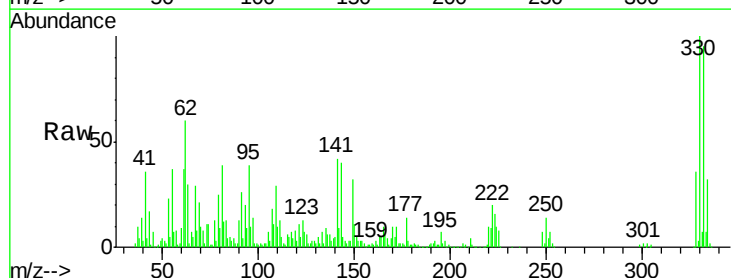
Instrument :
BNA_F
ClientSampleId :
MW-29

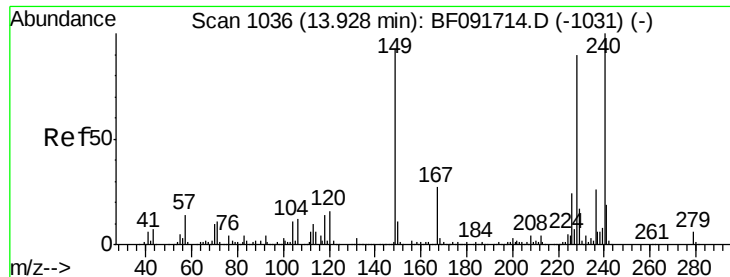
Tgt Ion:188 Resp: 645268
Ion Ratio Lower Upper
188 100
94 11.6 10.0 15.0
80 12.0 11.2 16.8



#66
4-Bromophenyl-phenylether
Concen: 4.19 ng
RT: 10.60 min Scan# 745
Delta R.T. -0.24 min
Lab File: BF091792.D
Acq: 20 Dec 2016 00:04

Tgt Ion:248 Resp: 28357
Ion Ratio Lower Upper
248 100
250 201.3 76.9 115.3#
141 593.8 68.2 102.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF091792.D

Acq: 20 Dec 2016 00:04

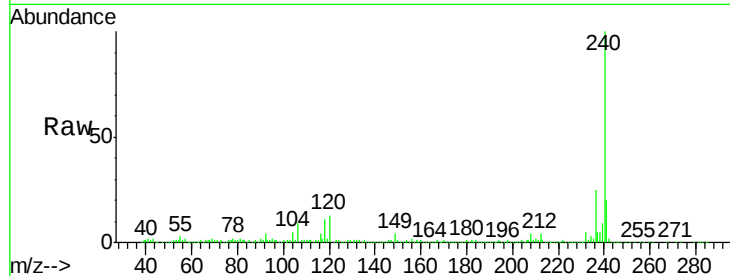
Instrument :

BNA_F

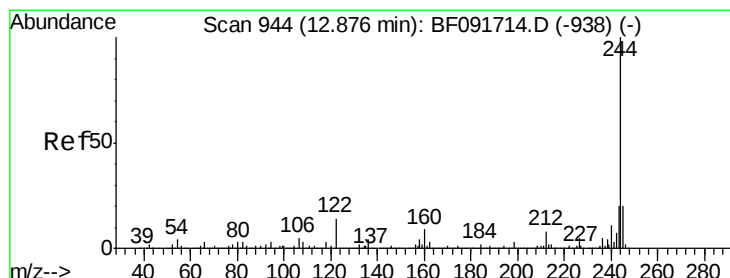
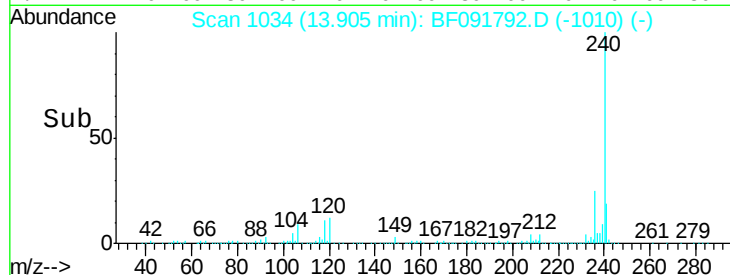
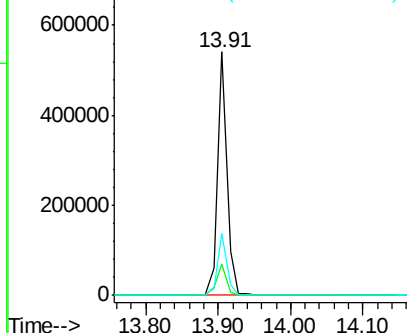
ClientSampleId :

MW-29

Tgt Ion:	240	Resp:	493587
Ion Ratio	Lower	Upper	
240	100		
120	12.5	12.9	19.3#
236	25.4	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: 84.08 ng

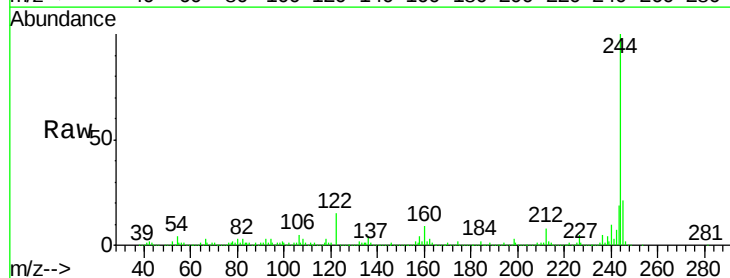
RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

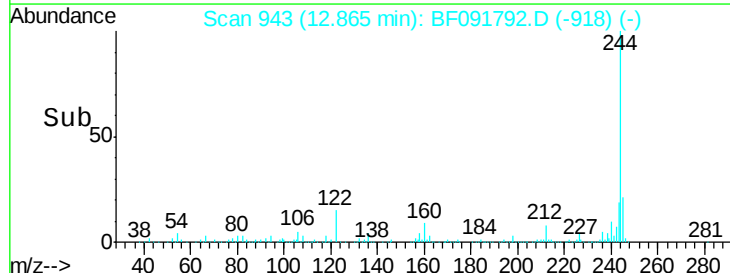
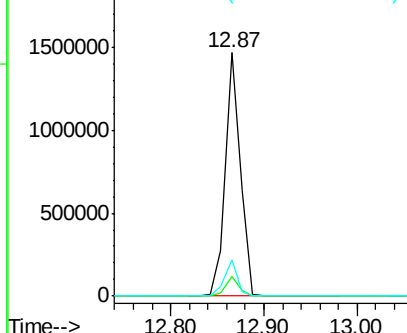
Lab File: BF091792.D

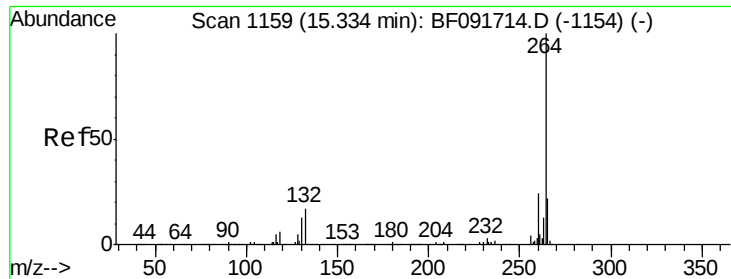
Acq: 20 Dec 2016 00:04

Tgt Ion:	244	Resp:	1643684
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.2	9.2
122	15.1	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: 15.31 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF091792.D
Acq: 20 Dec 2016 00:04

Instrument :
BNA_F
ClientSampleId :
MW-29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	20.8	17.4	26.0

