

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
 Data File : BF091815.D
 Acq On : 20 Dec 2016 12:59
 Operator : UM/SJ
 Sample : H6147-07
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-02

Quant Time: Dec 20 23:38:45 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

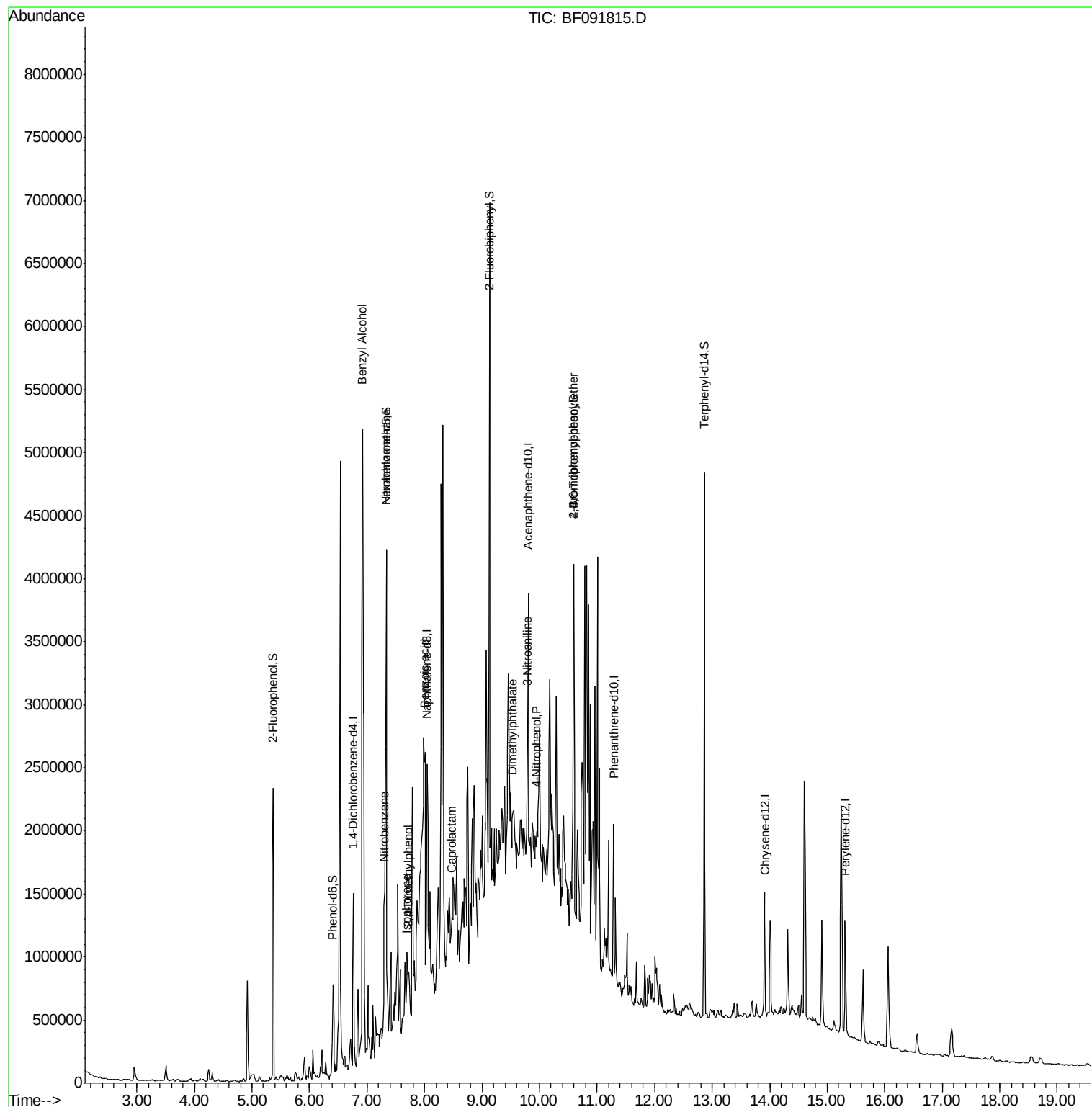
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	230151	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	821535	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	431427	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	668004	20.00	ng	0.00
75) Chrysene-d12	13.92	240	476547	20.00	ng	-0.01
86) Perylene-d12	15.31	264	421327	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	855580	62.28	ng	0.00
7) Phenol-d6	6.41	99	357437	21.33	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1491881	104.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	436085	119.20	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	1919786	89.40	ng	-0.01
78) Terphenyl-d14	12.87	244	1495958	79.26	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.30	77	4288	Below Cal	#	76
15) Benzyl Alcohol	6.92	79	27705	2.14 ng	#	26
18) Hexachloroethane	7.33	117	276388	44.27 ng	#	4
24) Nitrobenzene	7.30	77	58405	3.82 ng	#	24
25) Isophorone	7.69	82	63234	2.33 ng	#	1
27) 2,4-Dimethylphenol	7.72	122	70177	5.83 ng		96
32) Benzoic acid	8.01	122	2393290	278.95 ng		99
35) Caprolactam	8.48	113	16897	4.73 ng	#	1
49) Dimethylphthalate	9.53	163	94548	3.36 ng	#	87
52) 3-Nitroaniline	9.79	138	50770	6.60 ng	#	11
55) 4-Nitrophenol	9.95	139	11102	2.08 ng	#	1
66) 4-Bromophenyl-phenylether	10.59	248	25318	3.61 ng	#	1

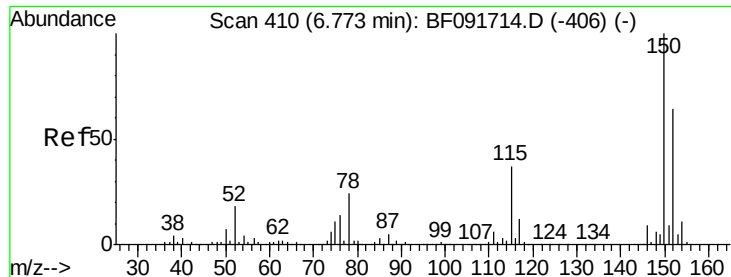
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 17 22:53:54 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

Instrument :

BNA_F

ClientSampleId :

MW-02

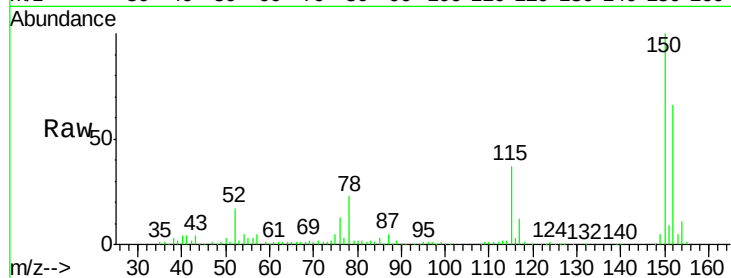
Tgt Ion:152 Resp: 230151

Ion Ratio Lower Upper

152 100

150 151.5 124.9 187.3

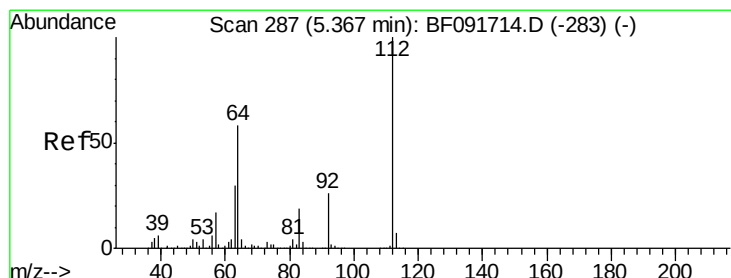
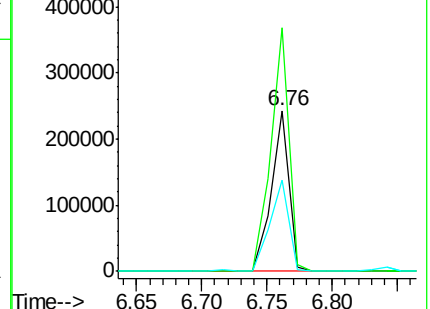
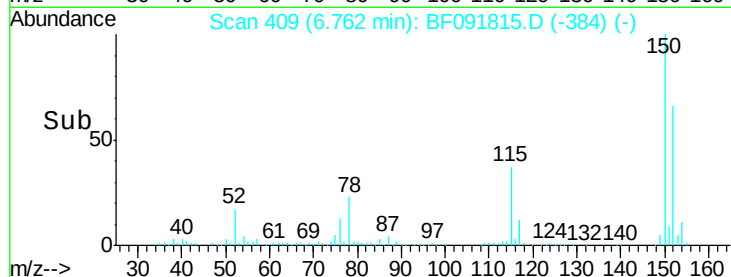
115 56.7 46.0 69.0



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: 62.28 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

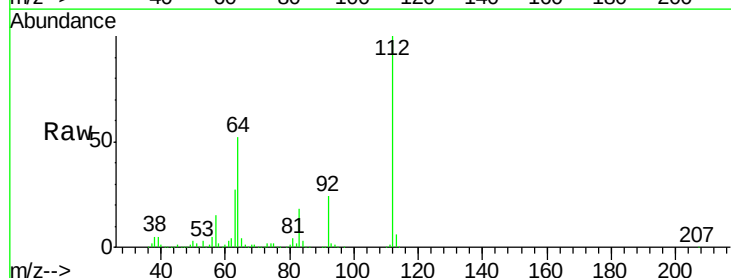
Tgt Ion:112 Resp: 855580

Ion Ratio Lower Upper

112 100

64 52.5 46.1 69.1

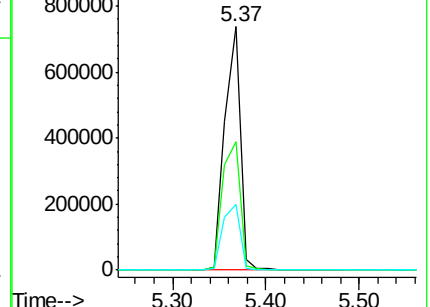
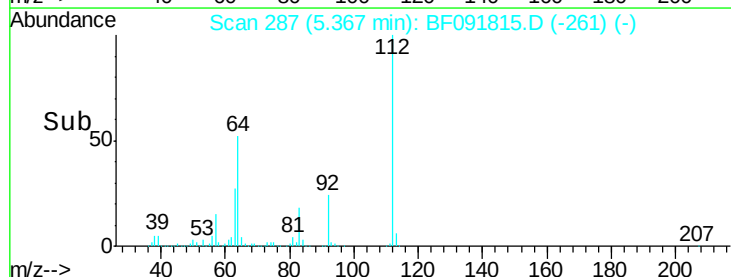
63 26.9 23.8 35.6

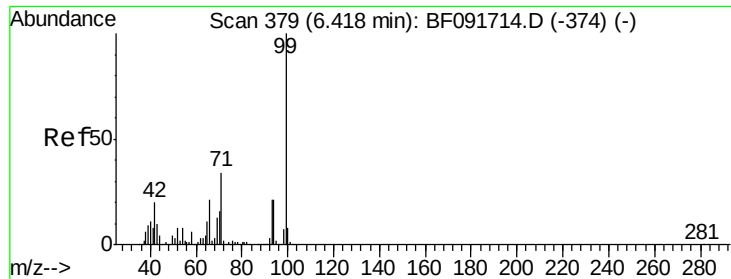


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.33 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

Instrument :

BNA_F

ClientSampleId :

MW-02

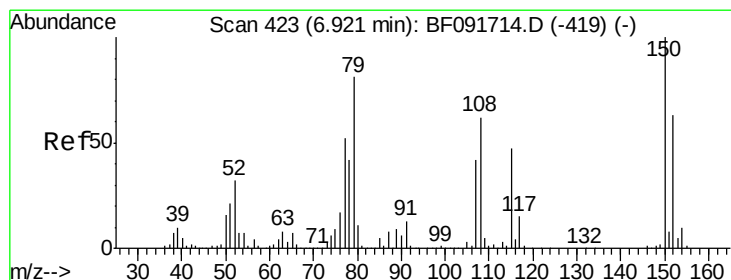
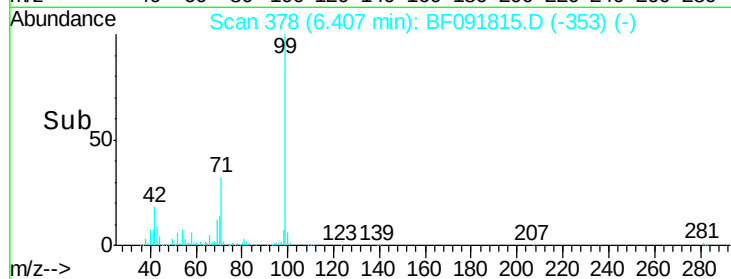
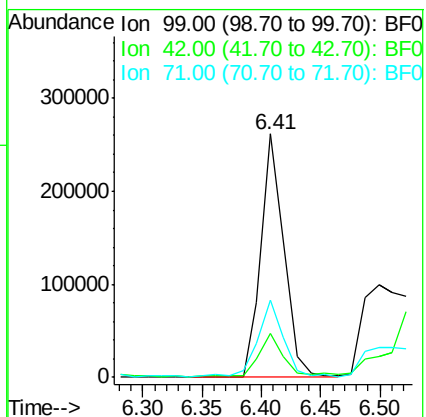
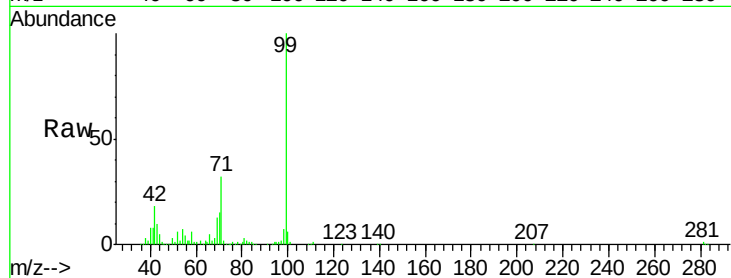
Tgt Ion: 99 Resp: 357437

Ion Ratio Lower Upper

99 100

42 17.9 15.6 23.4

71 31.9 27.5 41.3



#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

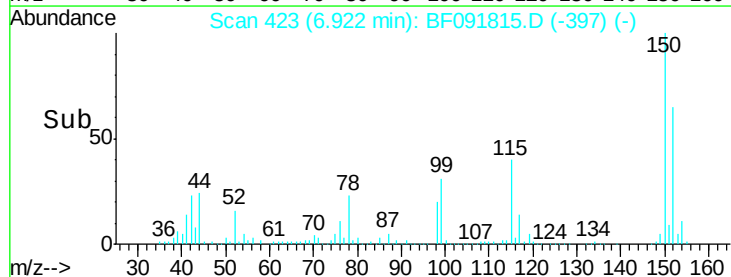
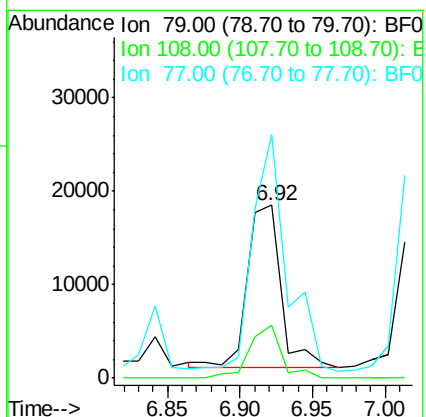
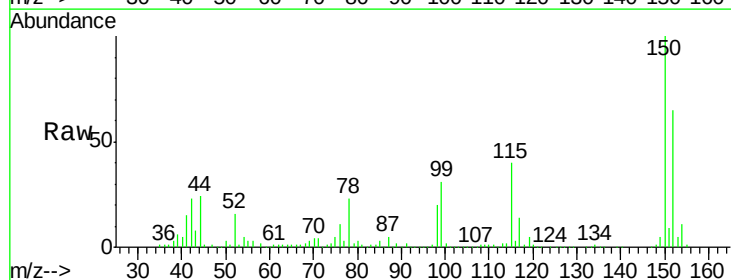
Tgt Ion: 79 Resp: 27705

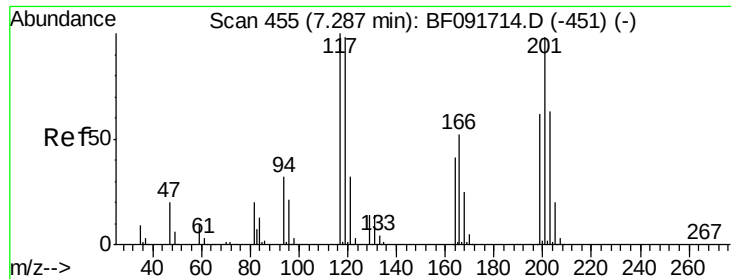
Ion Ratio Lower Upper

79 100

108 30.9 61.4 92.0#

77 140.9 50.9 76.3#





#18

Hexachloroethane

Concen: 44.27 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.05 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

Instrument :

BNA_F

ClientSampleId :

MW-02

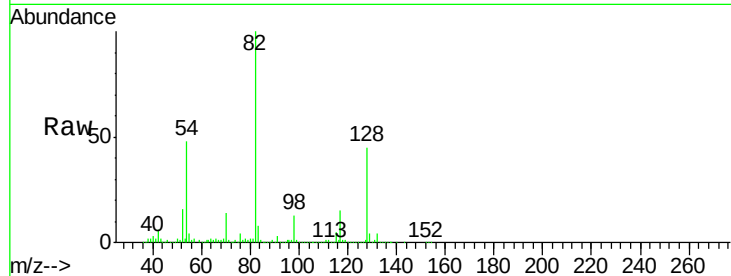
Tgt Ion:117 Resp: 276388

Ion Ratio Lower Upper

117 100

119 6.6 78.1 117.1#

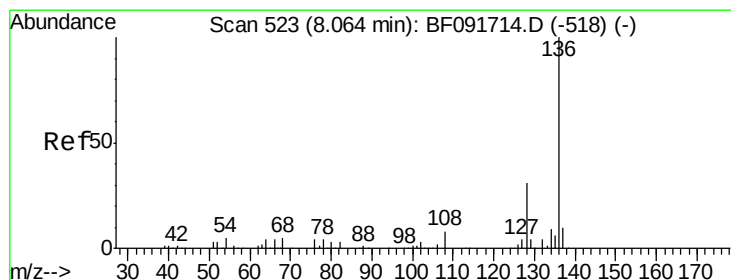
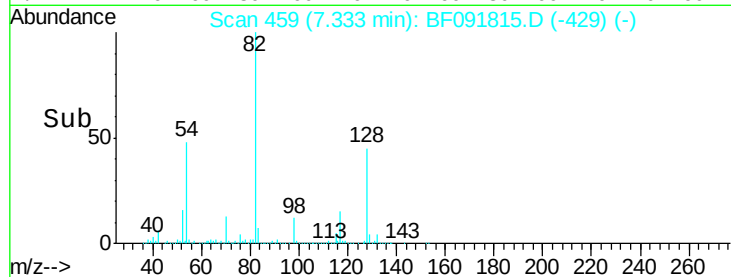
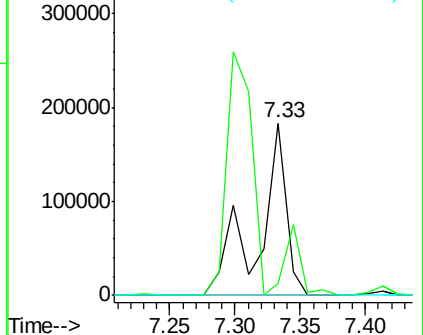
201 0.0 78.6 117.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

Tgt Ion:136 Resp: 821535

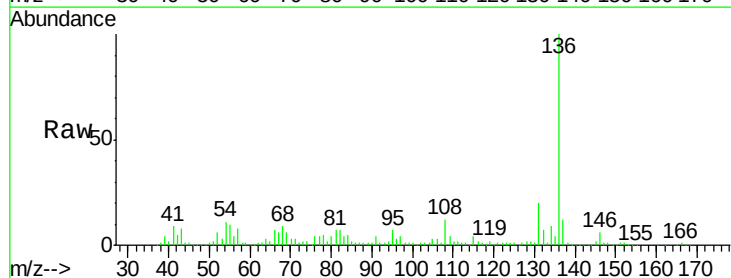
Ion Ratio Lower Upper

136 100

137 11.9 8.4 12.6

54 10.7 4.5 6.7#

68 9.0 3.6 5.4#

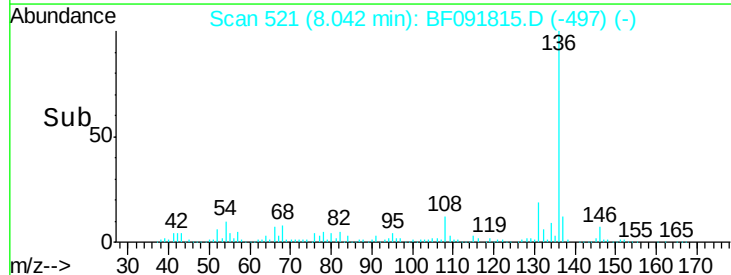
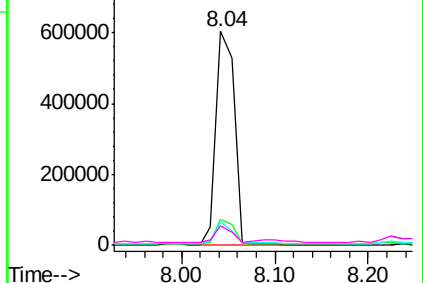


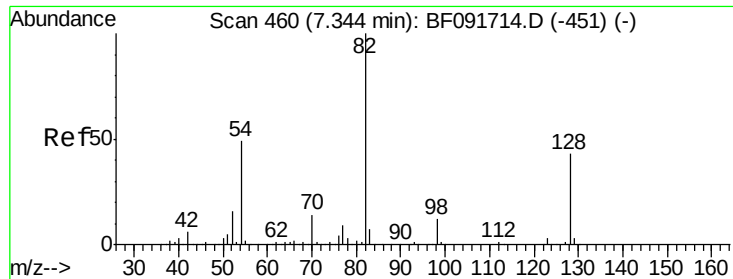
Abundance Ion 136.00 (135.70 to 136.70): E

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

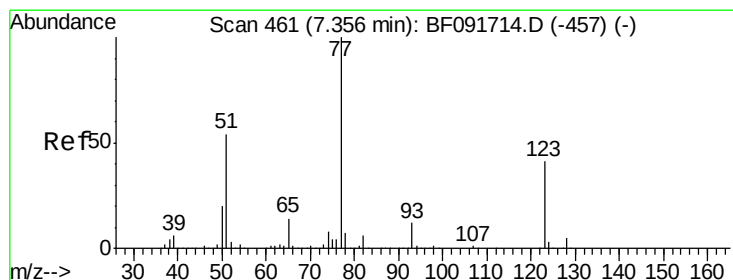
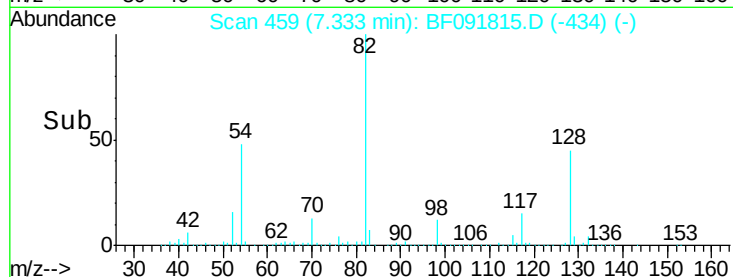
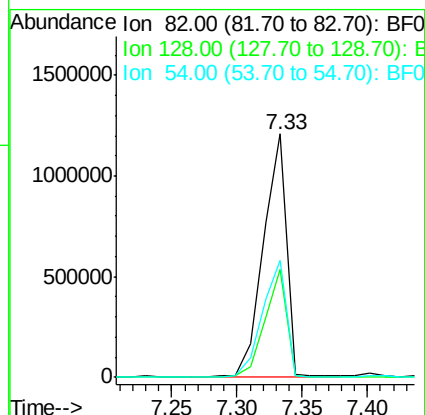
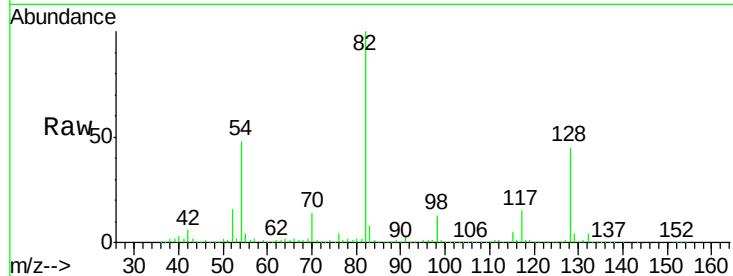




#23
Nitrobenzene-d5
Concen: 104.72 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF091815.D
Acq: 20 Dec 2016 12:59

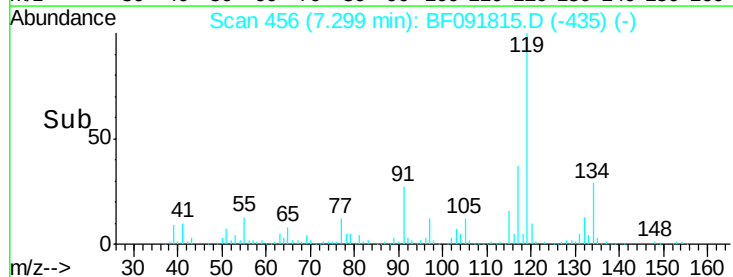
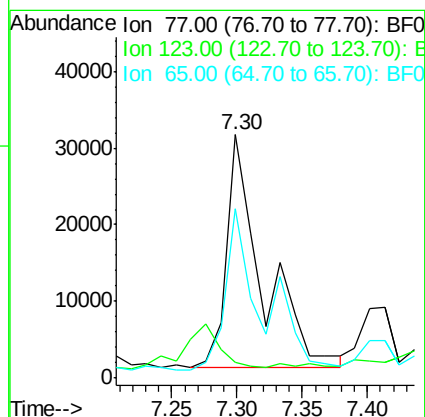
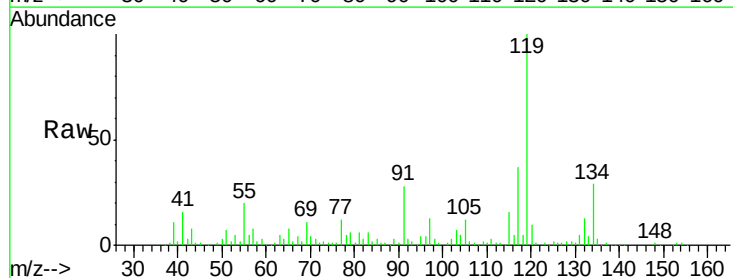
Instrument :
BNA_F
ClientSampleId :
MW-02

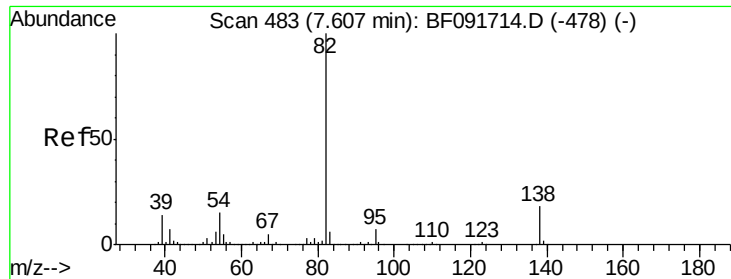
Tgt Ion: 82 Resp: 1491881
Ion Ratio Lower Upper
82 100
128 44.6 34.6 52.0
54 47.9 39.5 59.3



#24
Nitrobenzene
Concen: 3.82 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.06 min
Lab File: BF091815.D
Acq: 20 Dec 2016 12:59

Tgt Ion: 77 Resp: 58405
Ion Ratio Lower Upper
77 100
123 6.4 33.0 49.4#
65 69.3 11.2 16.8#





#25

Isophorone

Concen: 2.33 ng

RT: 7.69 min Scan# 490

Delta R.T. 0.08 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

Instrument :

BNA_F

ClientSampleId :

MW-02

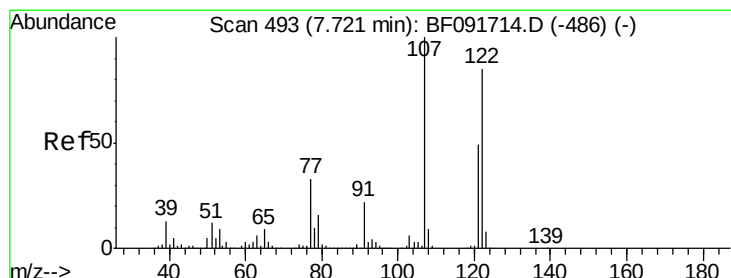
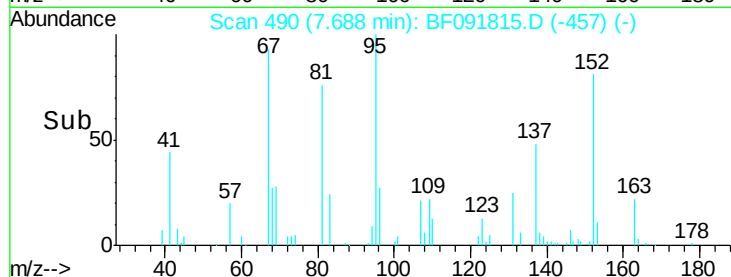
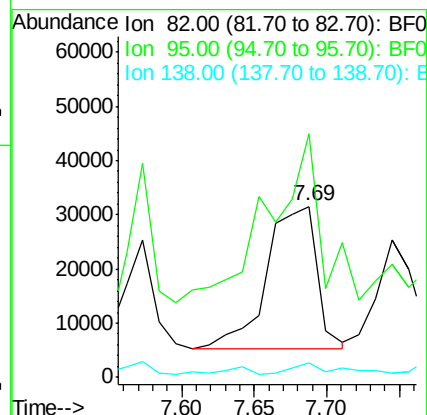
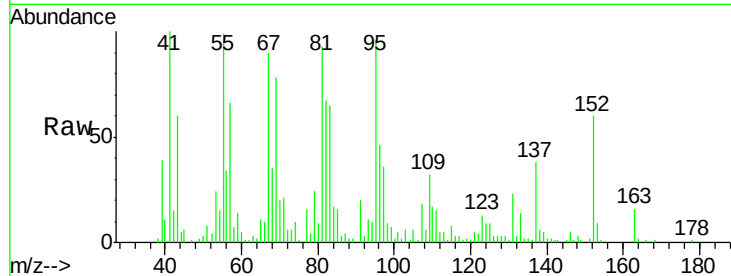
Tgt Ion: 82 Resp: 63234

Ion Ratio Lower Upper

82 100

95 142.3 5.6 8.4#

138 8.5 14.6 22.0#



#27

2,4-Dimethylphenol

Concen: 5.83 ng

RT: 7.72 min Scan# 493

Delta R.T. 0.00 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

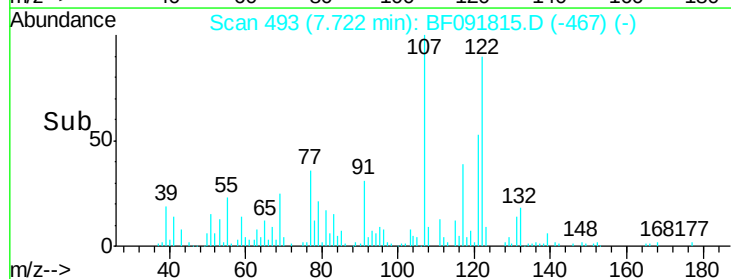
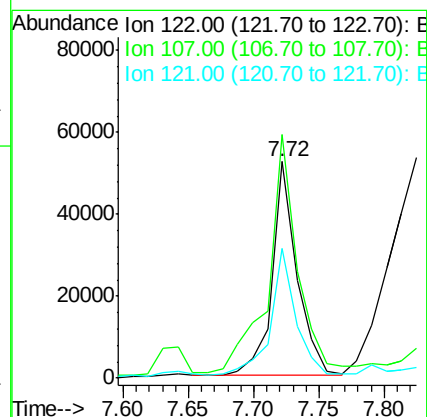
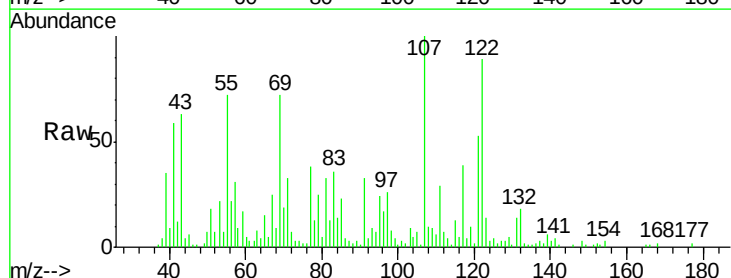
Tgt Ion: 122 Resp: 70177

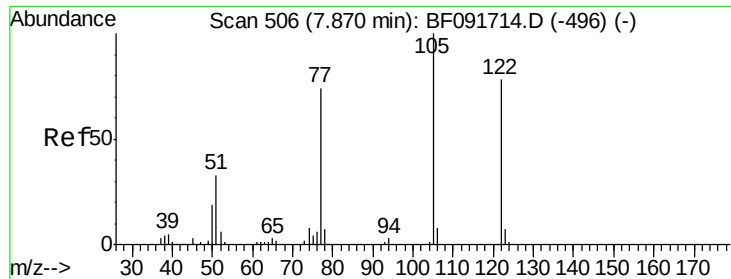
Ion Ratio Lower Upper

122 100

107 112.5 94.1 141.1

121 60.0 46.0 69.0





#32

Benzoic acid

Concen: 278.95 ng

RT: 8.01 min Scan# 518

Delta R.T. 0.14 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

Instrument :

BNA_F

ClientSampleId :

MW-02

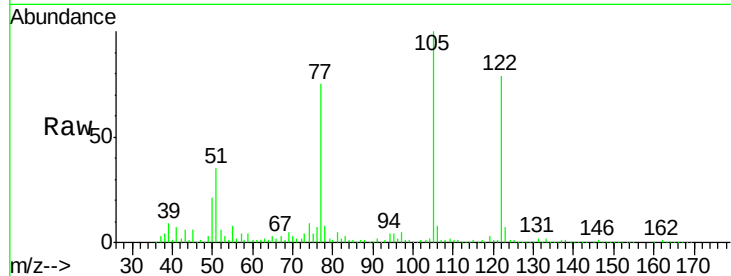
Tgt Ion:122 Resp: 2393290

Ion Ratio Lower Upper

122 100

105 126.2 107.2 147.2

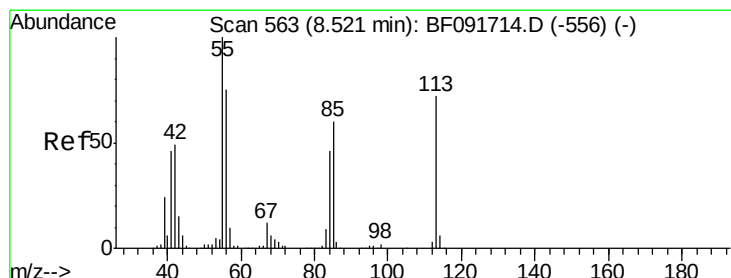
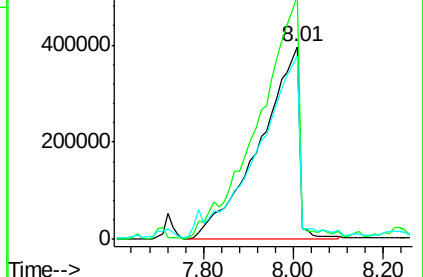
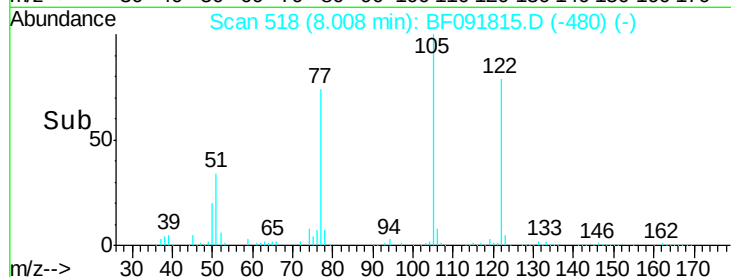
77 95.1 74.5 114.5



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



#35

Caprolactam

Concen: 4.73 ng

RT: 8.48 min Scan# 559

Delta R.T. -0.05 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

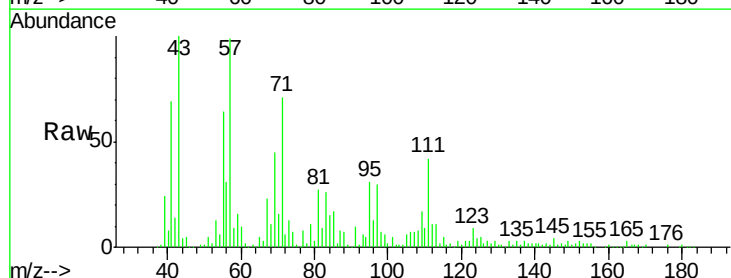
Tgt Ion:113 Resp: 16897

Ion Ratio Lower Upper

113 100

55 611.7 119.2 159.2#

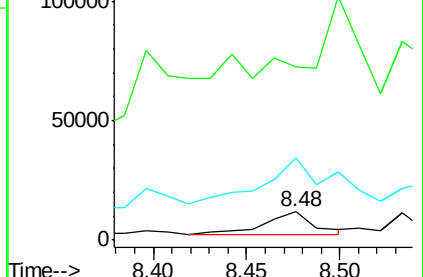
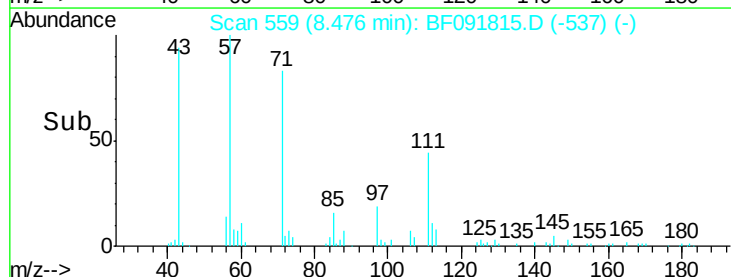
56 292.2 83.8 123.8#

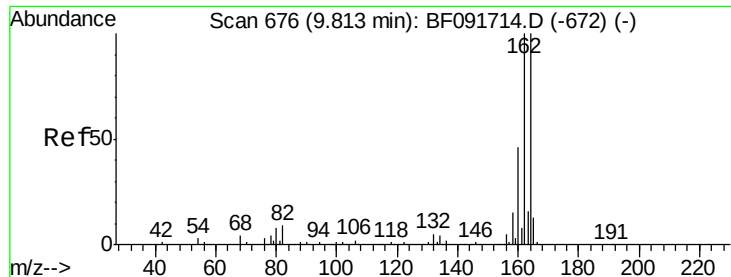


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

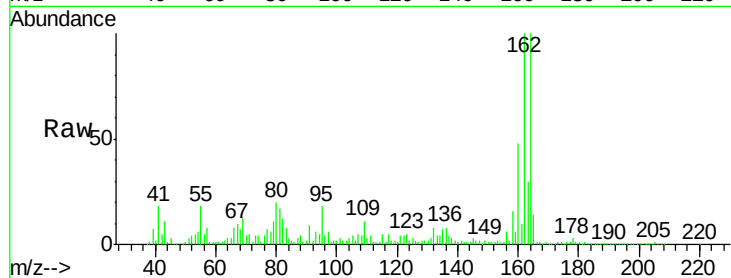




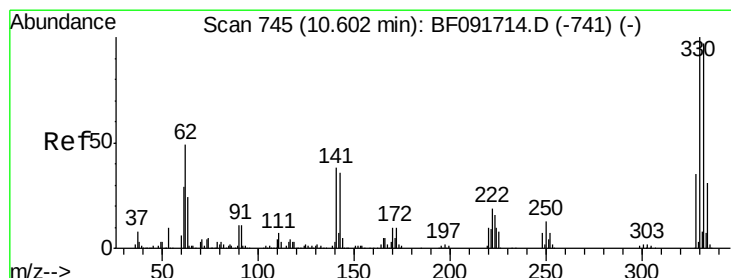
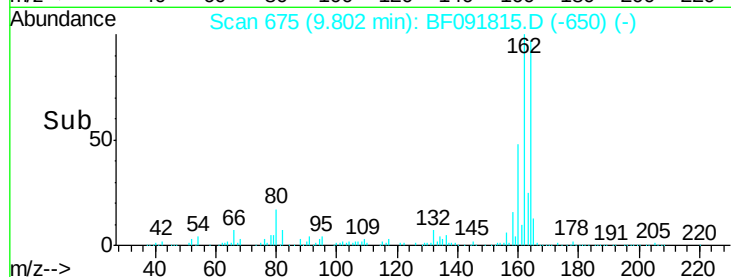
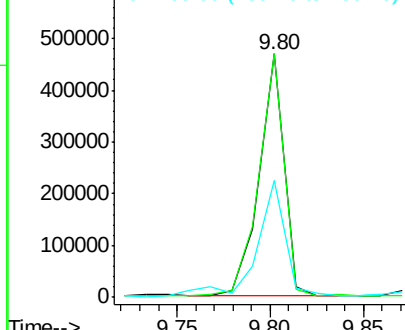
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF091815.D
Acq: 20 Dec 2016 12:59

Instrument :
BNA_F
ClientSampleId :
MW-02

Tgt Ion:164 Resp: 431427
Ion Ratio Lower Upper
164 100
162 100.0 80.2 120.2
160 47.9 36.9 55.3

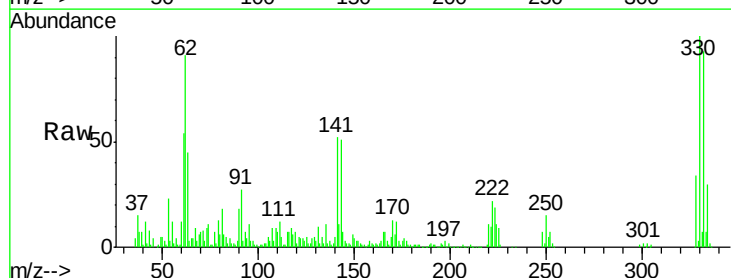


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

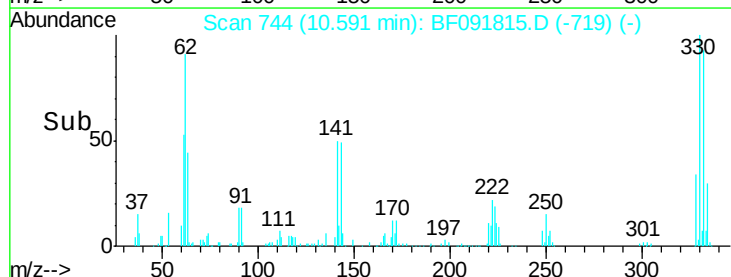
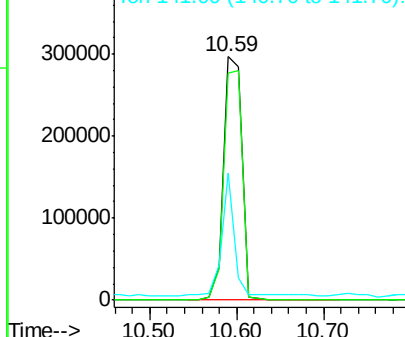


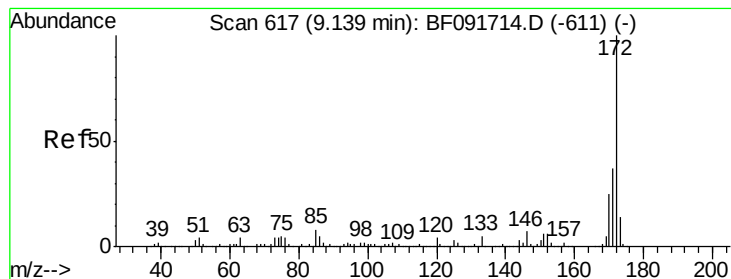
#41
2,4,6-Tribromophenol
Concen: 119.20 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF091815.D
Acq: 20 Dec 2016 12:59

Tgt Ion:330 Resp: 436085
Ion Ratio Lower Upper
330 100
332 95.6 77.4 116.2
141 35.0 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

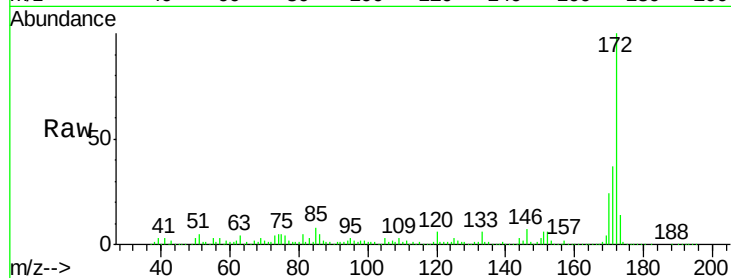




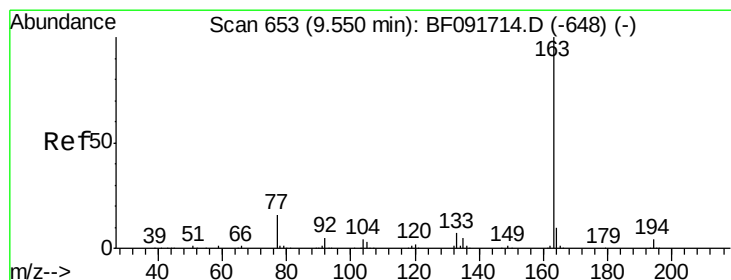
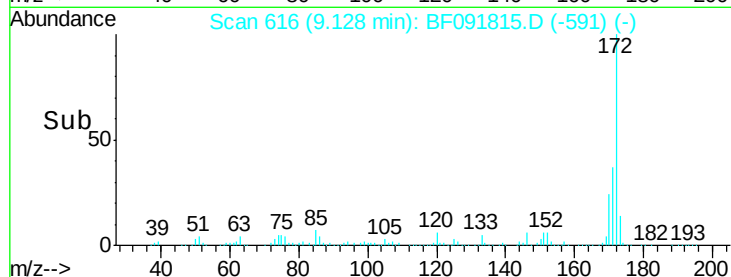
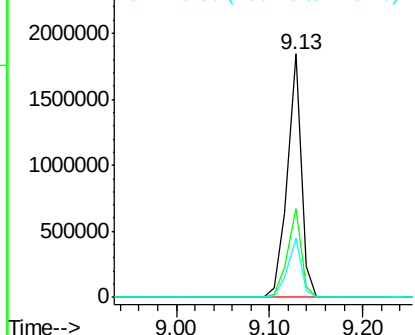
#44
2-Fluorobiphenyl
Concen: 89.40 ng
RT: 9.13 min Scan# 616
Delta R.T. -0.01 min
Lab File: BF091815.D
Acq: 20 Dec 2016 12:59

Instrument :
BNA_F
ClientSampleId :
MW-02

Tgt Ion:172 Resp: 1919786
Ion Ratio Lower Upper
172 100
171 36.6 29.4 44.0
170 24.4 20.2 30.4

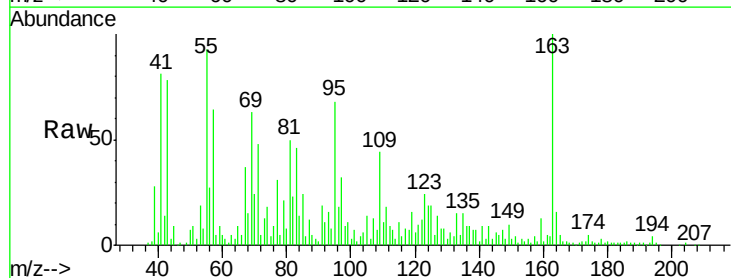


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

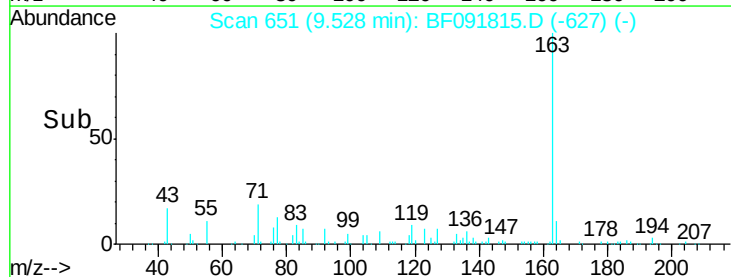
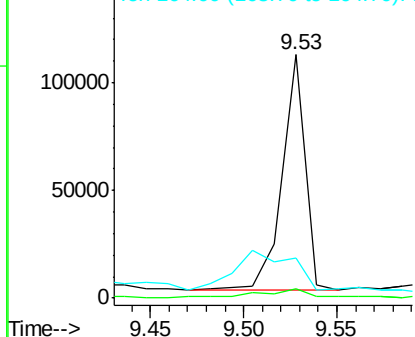


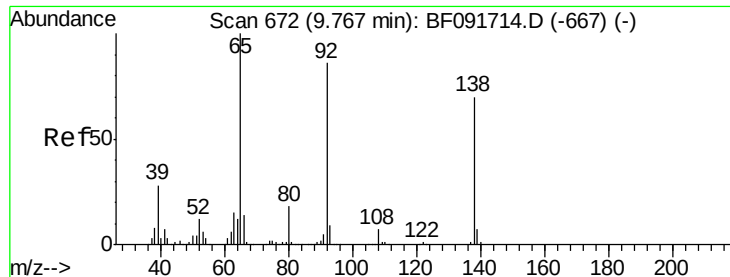
#49
Dimethylphthalate
Concen: 3.36 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.02 min
Lab File: BF091815.D
Acq: 20 Dec 2016 12:59

Tgt Ion:163 Resp: 94548
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.4
164 16.4 8.0 12.0#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#52

3-Nitroaniline

Concen: 6.60 ng

RT: 9.79 min Scan# 674

Delta R.T. 0.02 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

Instrument :

BNA_F

ClientSampleId :

MW-02

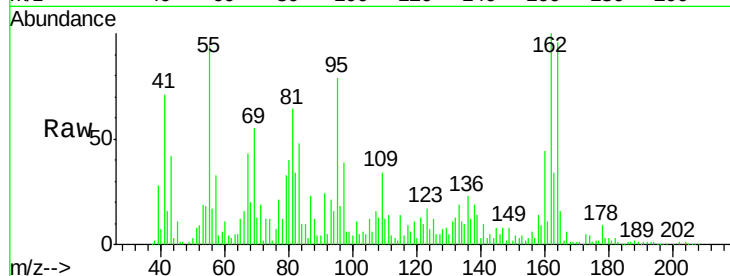
Tgt Ion:138 Resp: 50770

Ion Ratio Lower Upper

138 100

108 67.1 8.5 12.7#

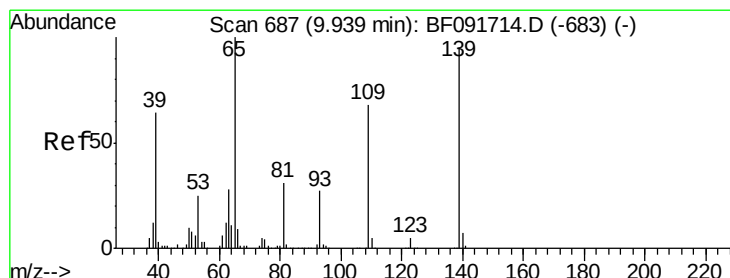
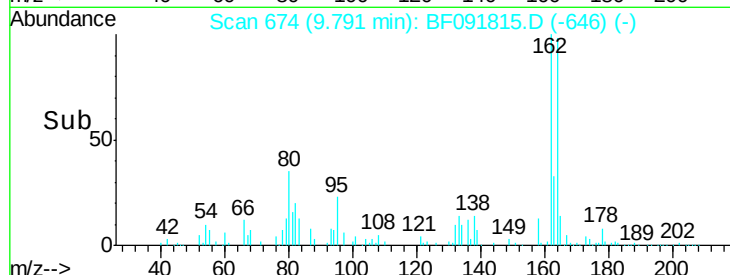
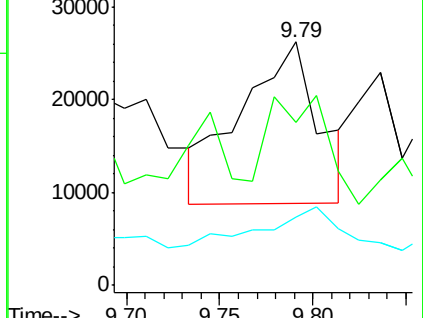
92 27.9 97.8 146.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#55

4-Nitrophenol

Concen: 2.08 ng

RT: 9.95 min Scan# 688

Delta R.T. 0.01 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

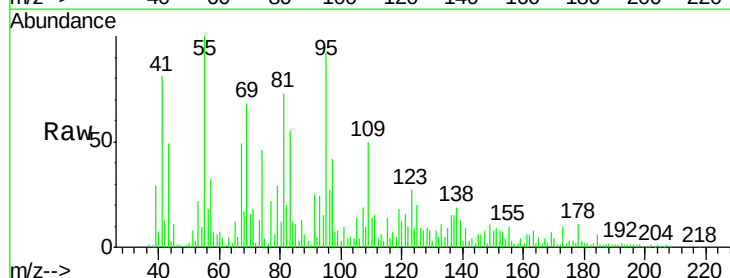
Tgt Ion:139 Resp: 11102

Ion Ratio Lower Upper

139 100

109 374.6 52.2 92.2#

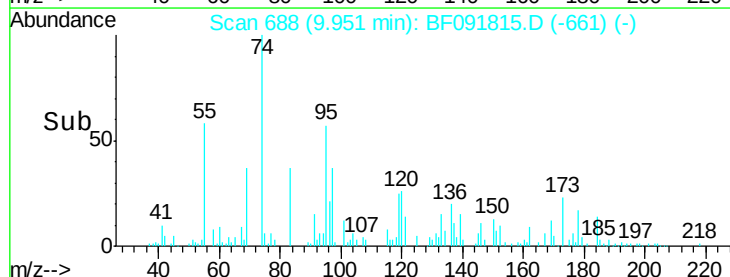
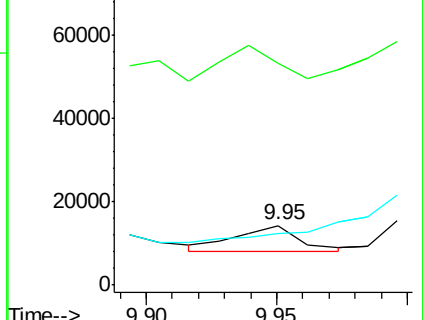
65 87.1 85.8 125.8

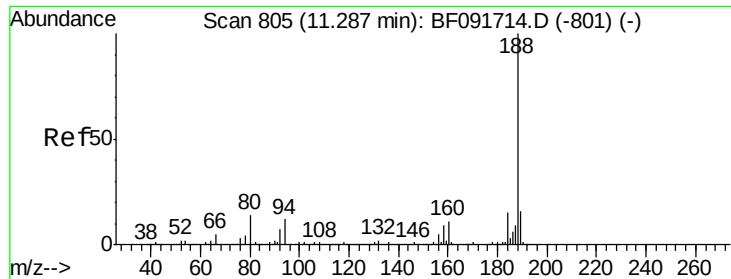


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

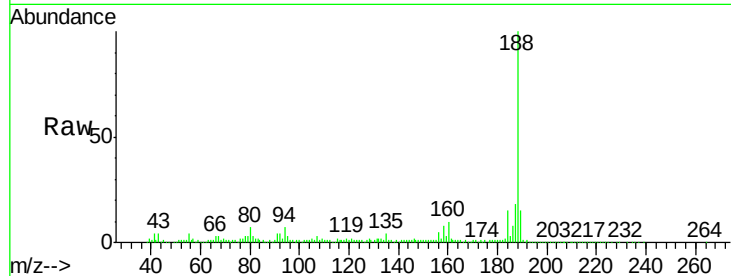




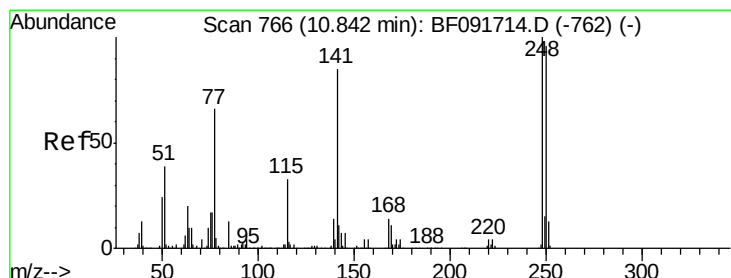
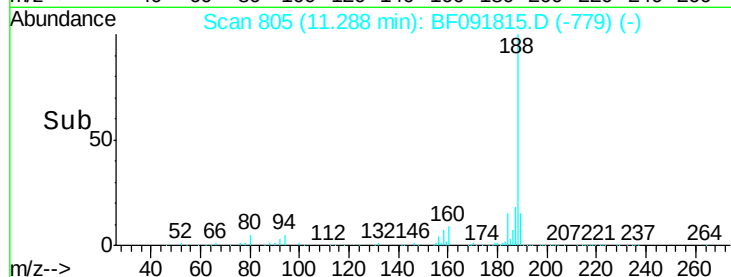
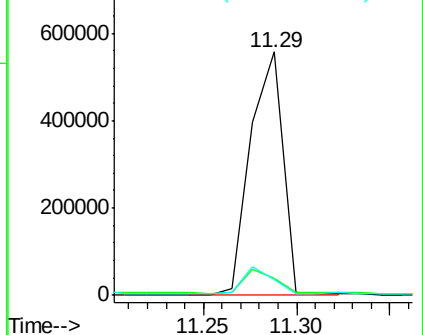
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF091815.D
Acq: 20 Dec 2016 12:59

Instrument :
BNA_F
ClientSampleId :
MW-02

Tgt Ion:188 Resp: 668004
Ion Ratio Lower Upper
188 100
94 7.1 10.0 15.0#
80 6.7 11.2 16.8#

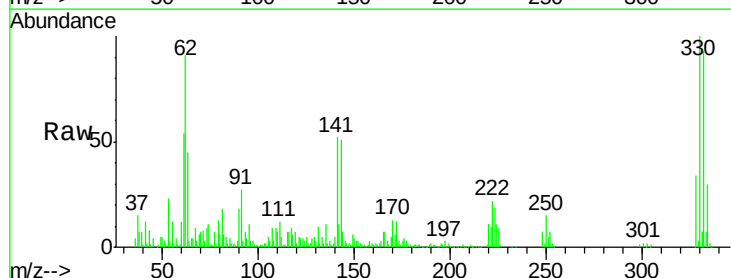


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

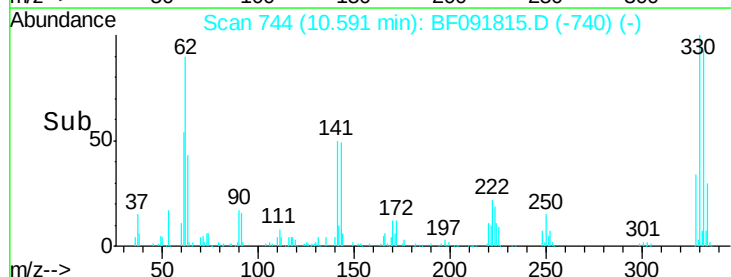
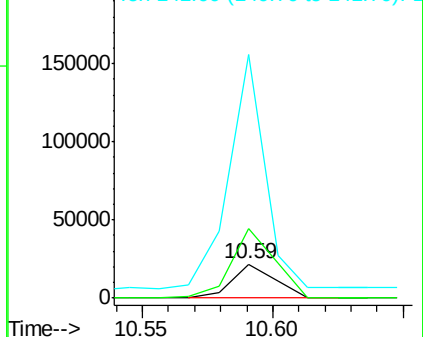


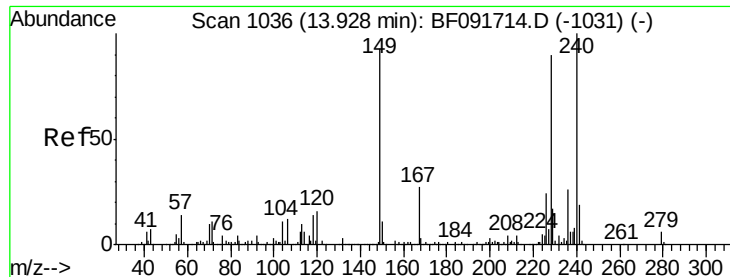
#66
4-Bromophenyl-phenylether
Concen: 3.61 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.25 min
Lab File: BF091815.D
Acq: 20 Dec 2016 12:59

Tgt Ion:248 Resp: 25318
Ion Ratio Lower Upper
248 100
250 201.9 76.9 115.3#
141 709.9 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: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

Instrument :

BNA_F

ClientSampleId :

MW-02

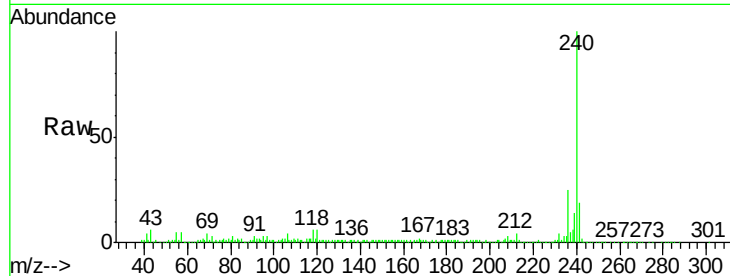
Tgt Ion:240 Resp: 476547

Ion Ratio Lower Upper

240 100

120 6.3 12.9 19.3#

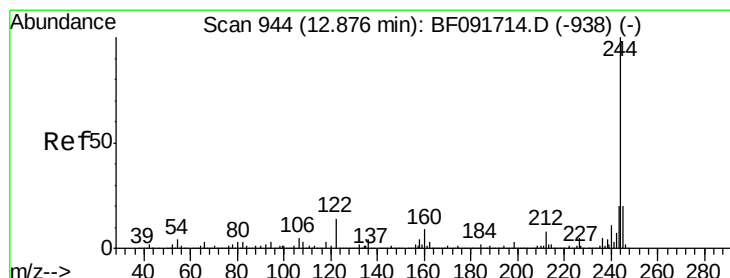
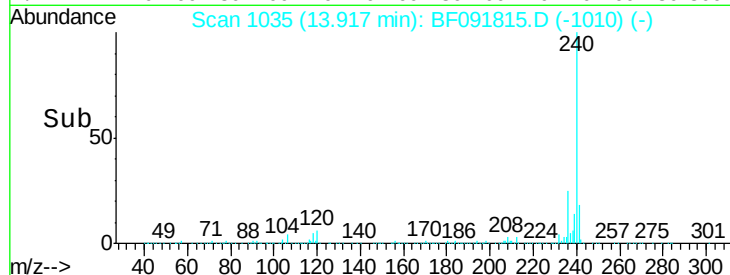
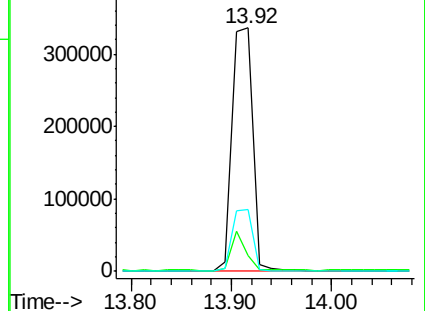
236 25.5 20.9 31.3



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: 79.26 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

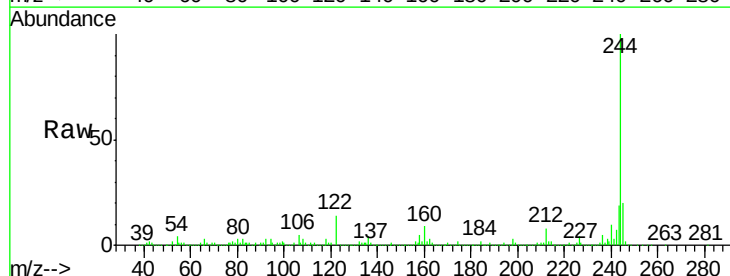
Tgt Ion:244 Resp: 1495958

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

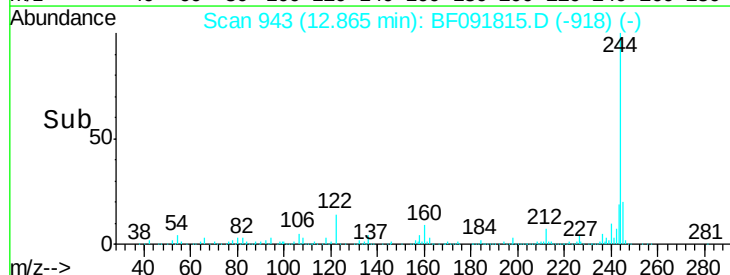
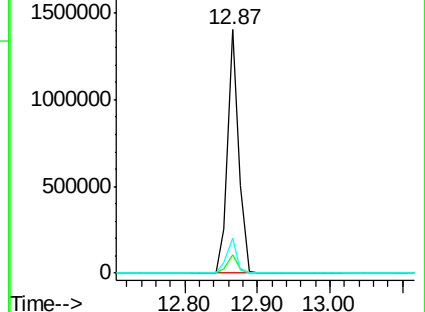
122 14.5 11.4 17.2

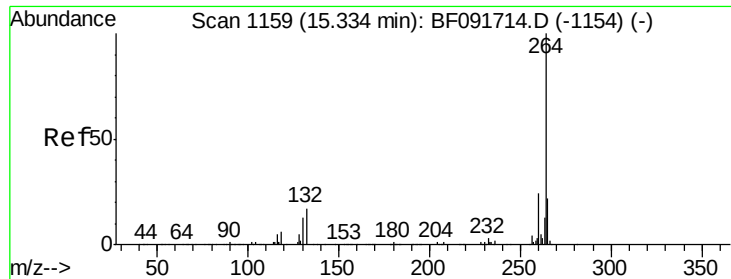


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF091815.D
Acq: 20 Dec 2016 12:59

Instrument :
BNA_F
ClientSampleId :
MW-02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.5	17.4	26.0

