

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
 Data File : BF091810.D
 Acq On : 20 Dec 2016 10:42
 Operator : UM/SJ
 Sample : H6147-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-18

Quant Time: Dec 20 23:37:17 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	191104	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	808965	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	538892	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	539833	20.00	ng	0.02
75) Chrysene-d12	13.92	240	423327	20.00	ng	-0.01
86) Perylene-d12	15.31	264	377748	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	600788	52.67	ng	0.00
7) Phenol-d6	6.45	99	545822	39.24	ng	0.03
23) Nitrobenzene-d5	7.33	82	1092959	77.91	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	297820	65.17	ng	0.02
44) 2-Fluorobiphenyl	9.14	172	1414731	52.74	ng	0.00
78) Terphenyl-d14	12.88	244	1258915	75.09	ng	0.00

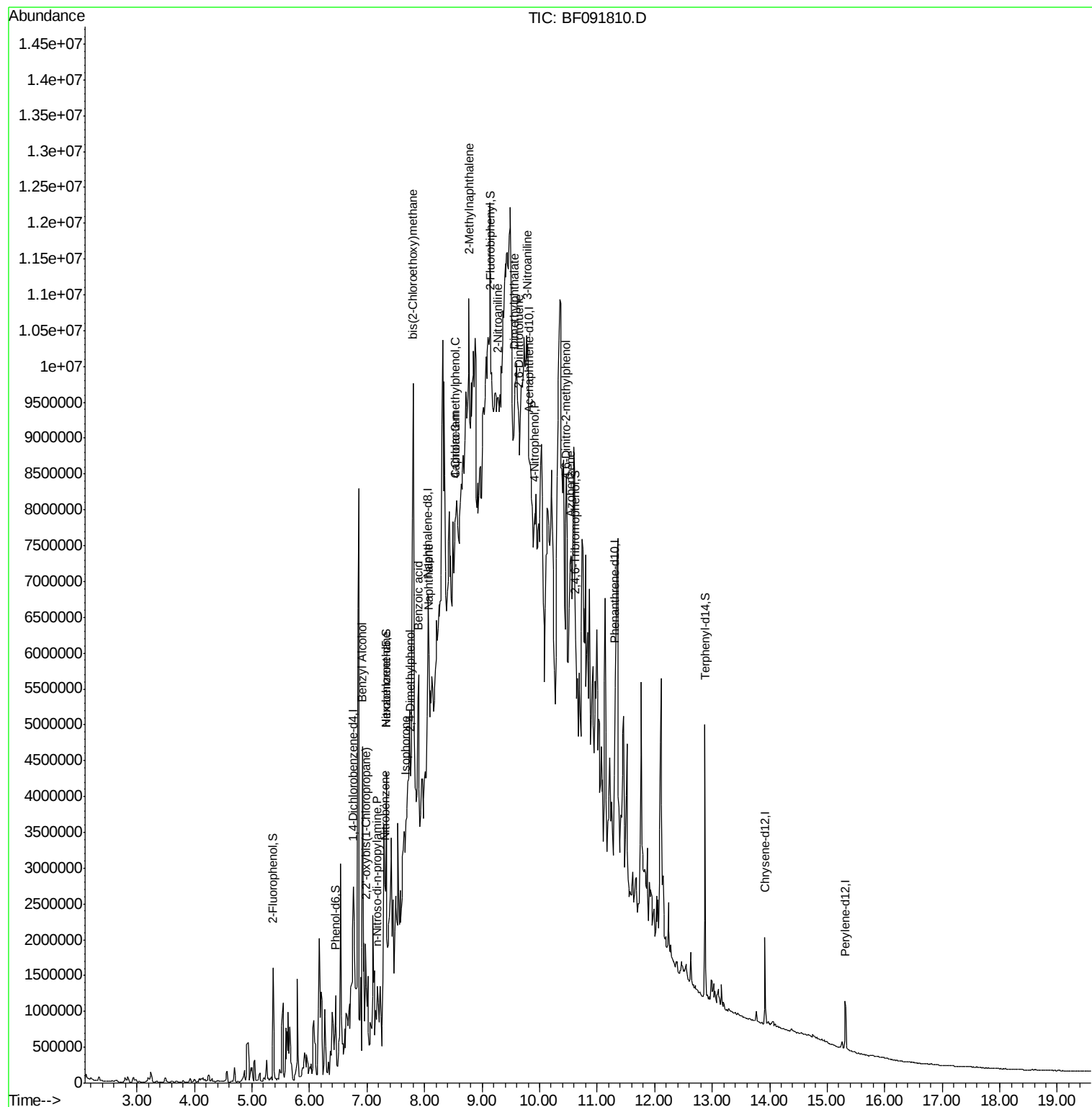
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.30	77	2566	Below Cal	#	86
15) Benzyl Alcohol	6.92	79	32056	2.98 ng	#	56
16) 2,2'-oxybis(1-Chloropropan	6.98	45	68284	3.57 ng	#	84
18) Hexachloroethane	7.33	117	440811	85.04 ng	#	4
19) n-Nitroso-di-n-propylamine	7.17	70	90520	9.78 ng	#	24
24) Nitrobenzene	7.31	77	108107	7.18 ng	#	30
25) Isophorone	7.68	82	132443	4.95 ng	#	1
27) 2,4-Dimethylphenol	7.76	122	86977	7.34 ng	#	91
28) bis(2-Chloroethoxy)methane	7.80	93	170527	10.89 ng	#	1
31) Naphthalene	8.08	128	122808	3.18 ng	#	1
32) Benzoic acid	7.89	122	45937	5.44 ng	#	47
35) Caprolactam	8.53	113	288317	81.95 ng	#	1
36) 4-Chloro-3-methylphenol	8.53	107	38786	3.22 ng	#	54
37) 2-Methylnaphthalene	8.77	142	355251	14.58 ng	#	90
47) 2-Nitroaniline	9.28	65	35410	3.59 ng	#	28
49) Dimethylphthalate	9.56	163	142757	4.06 ng	#	22
50) 2,6-Dinitrotoluene	9.64	165	54604	7.07 ng	#	1
52) 3-Nitroaniline	9.79	138	20038	2.09 ng	#	52
55) 4-Nitrophenol	9.90	139	26618	3.99 ng	#	1
62) Azobenzene	10.53	77	140550	3.82 ng	#	26
64) 4,6-Dinitro-2-methylphenol	10.45	198	11907	3.34 ng	#	1

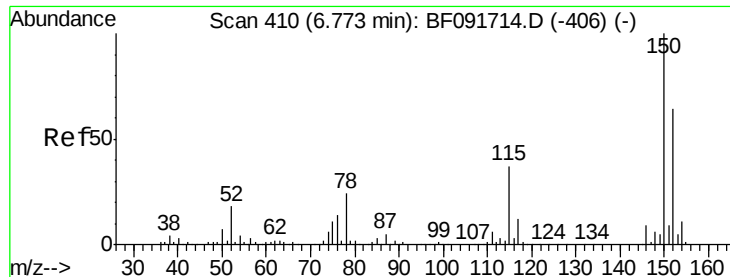
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF091810.D

Acq: 20 Dec 2016 10:42

Instrument :

BNA_F

ClientSampleId :

MW-18

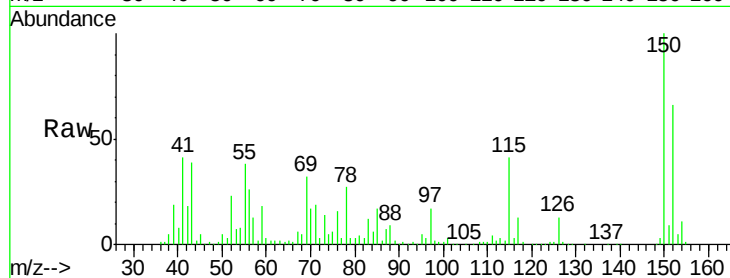
Tgt Ion:152 Resp: 191104

Ion Ratio Lower Upper

152 100

150 151.8 124.9 187.3

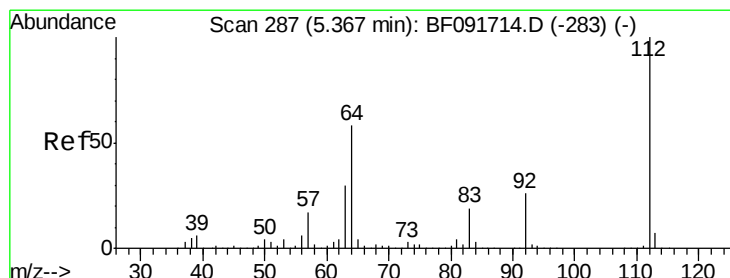
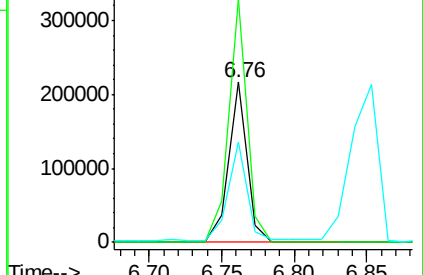
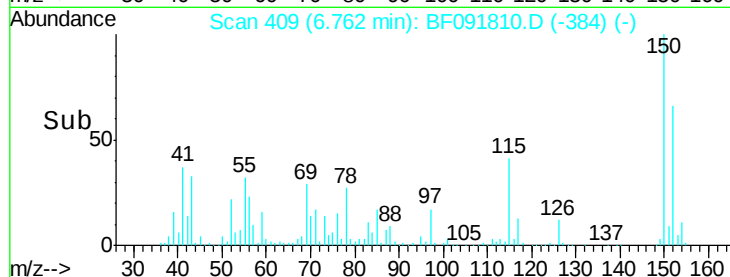
115 62.5 46.0 69.0



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: 52.67 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF091810.D

Acq: 20 Dec 2016 10:42

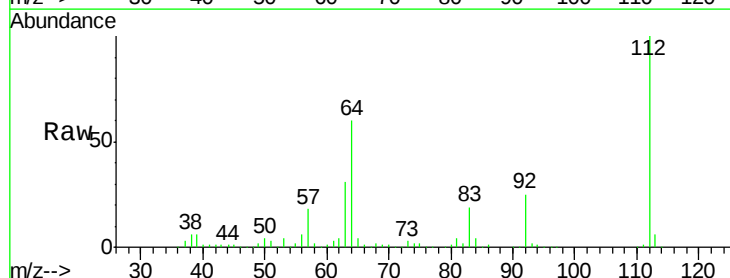
Tgt Ion:112 Resp: 600788

Ion Ratio Lower Upper

112 100

64 60.0 46.1 69.1

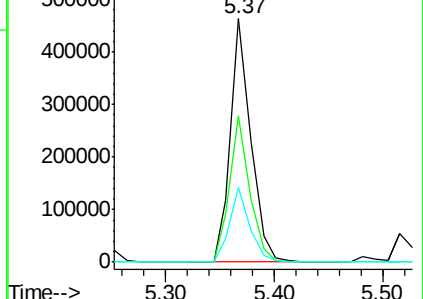
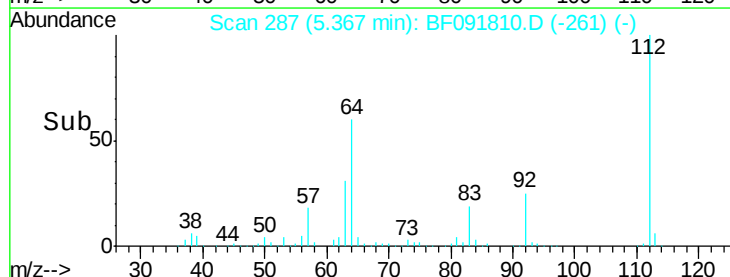
63 30.7 23.8 35.6

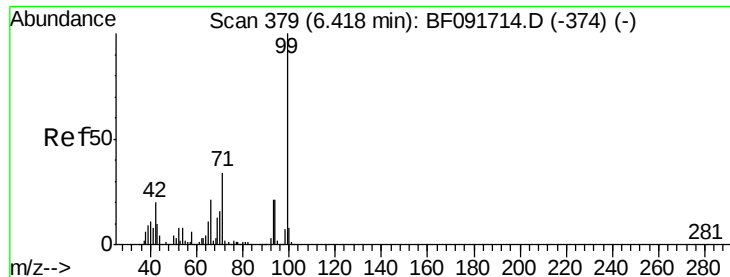


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.24 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.03 min

Lab File: BF091810.D

Acq: 20 Dec 2016 10:42

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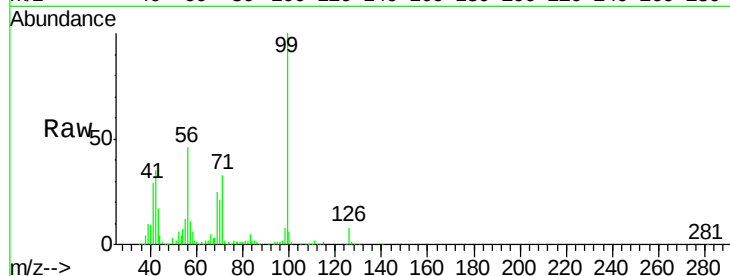
Tgt Ion: 99 Resp: 545822

Ion Ratio Lower Upper

99 100

42 35.1 15.6 23.4#

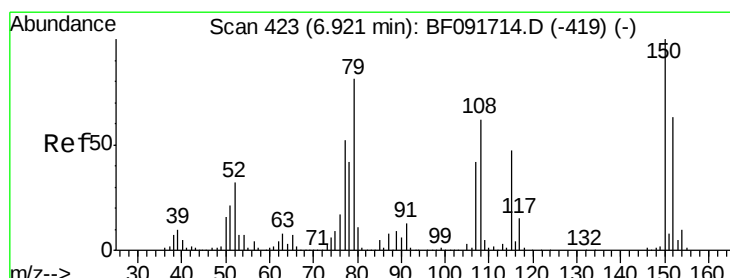
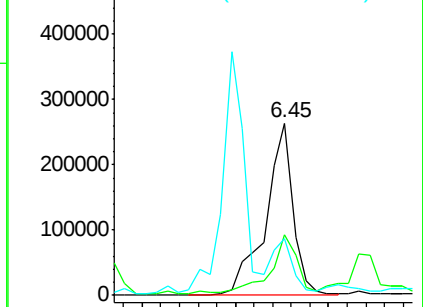
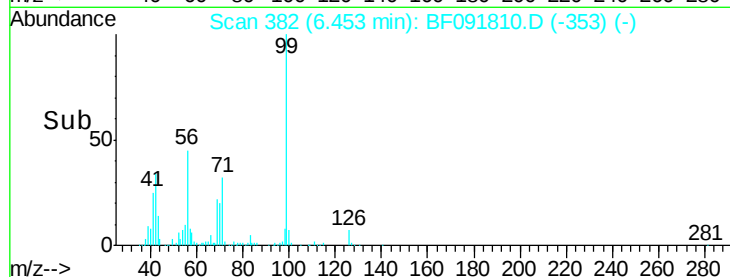
71 33.0 27.5 41.3



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



#15

Benzyl Alcohol

Concen: 2.98 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF091810.D

Acq: 20 Dec 2016 10:42

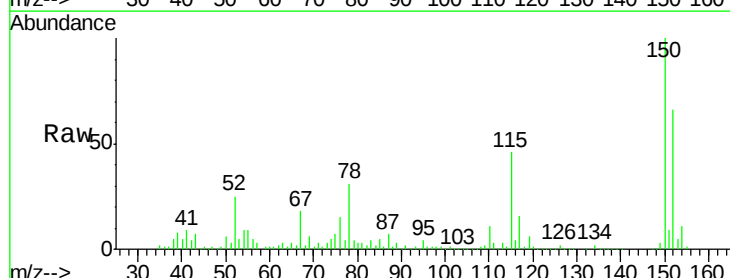
Tgt Ion: 79 Resp: 32056

Ion Ratio Lower Upper

79 100

108 31.7 61.4 92.0#

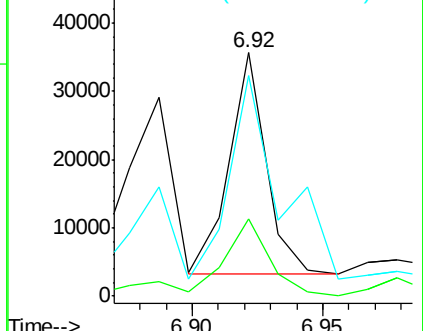
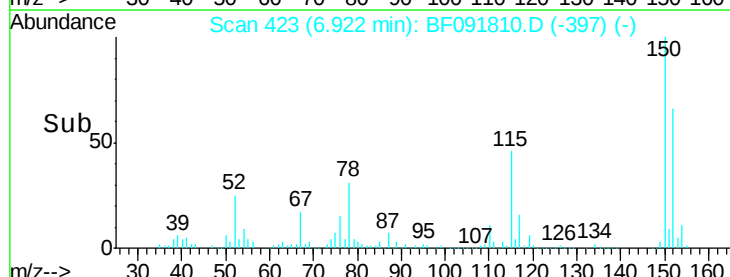
77 90.8 50.9 76.3#

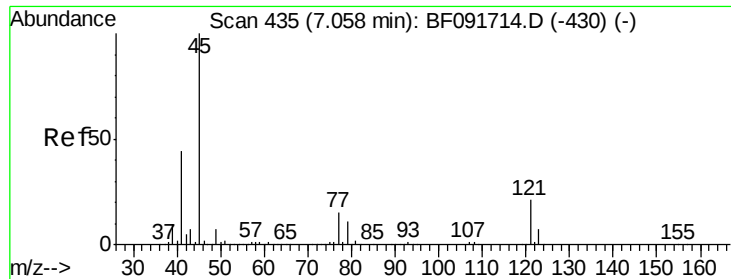


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

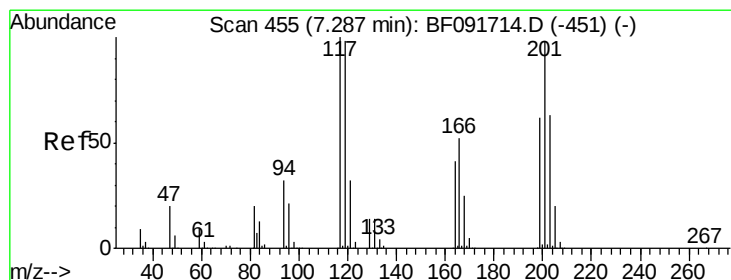
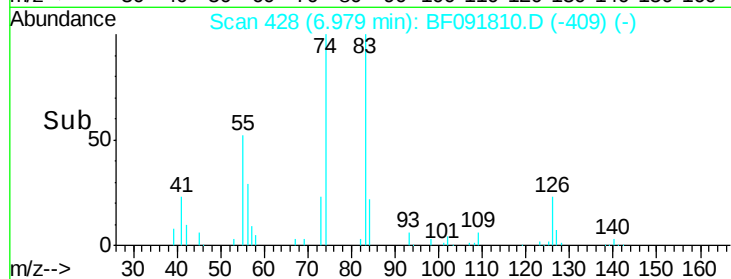
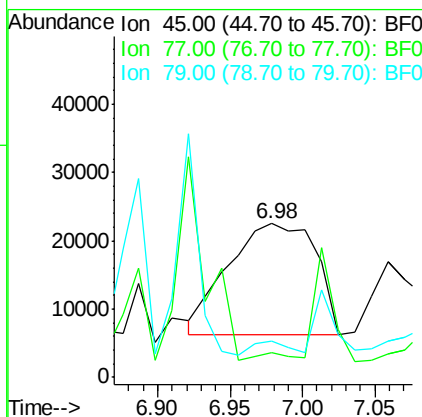
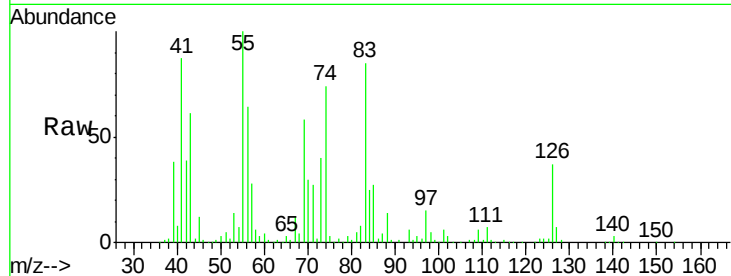




#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.57 ng
RT: 6.98 min Scan# 428
Delta R.T. -0.08 min
Lab File: BF091810.D
Acq: 20 Dec 2016 10:42

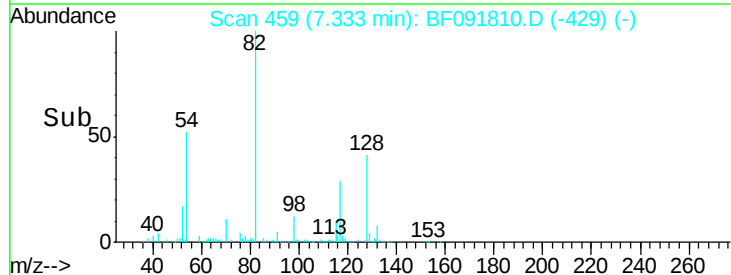
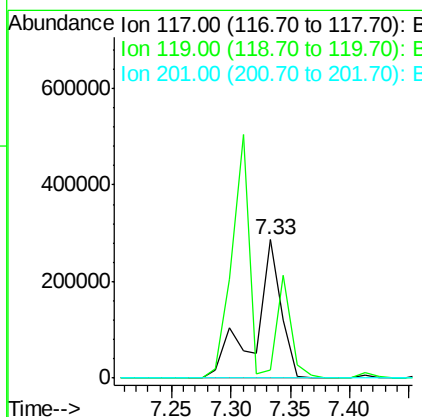
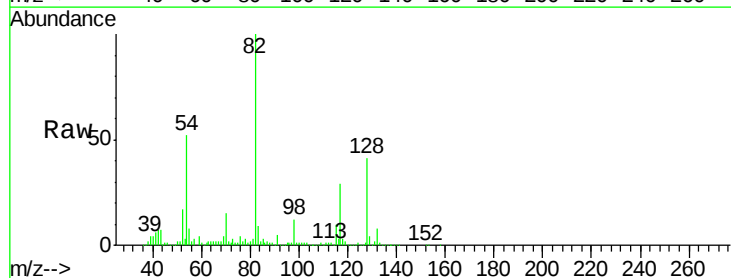
Instrument :
BNA_F
ClientSampled :
MW-18

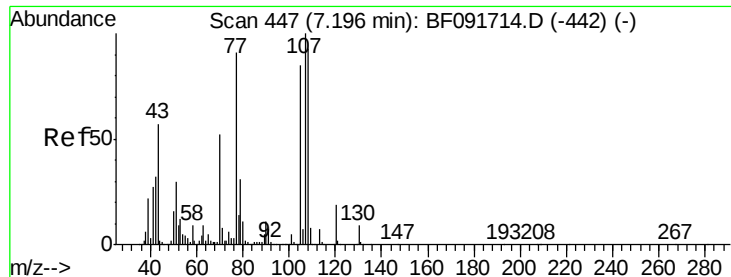
Tgt Ion: 45 Resp: 68284
Ion Ratio Lower Upper
45 100
77 16.1 0.0 34.6
79 23.5 0.0 31.2



#18
Hexachloroethane
Concen: 85.04 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.05 min
Lab File: BF091810.D
Acq: 20 Dec 2016 10:42

Tgt Ion: 117 Resp: 440811
Ion Ratio Lower Upper
117 100
119 5.6 78.1 117.1#
201 0.0 78.6 117.8#

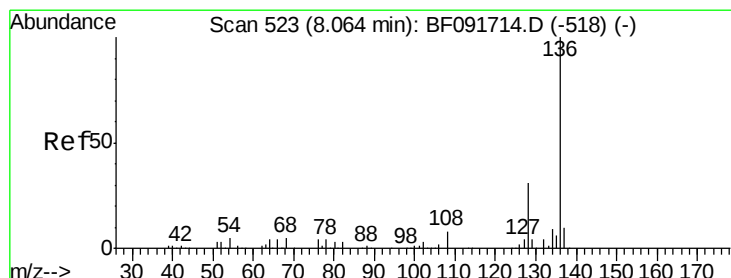
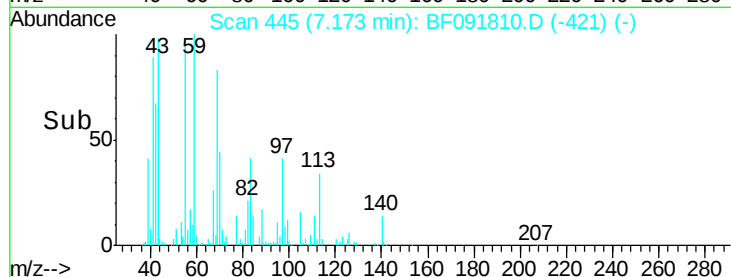
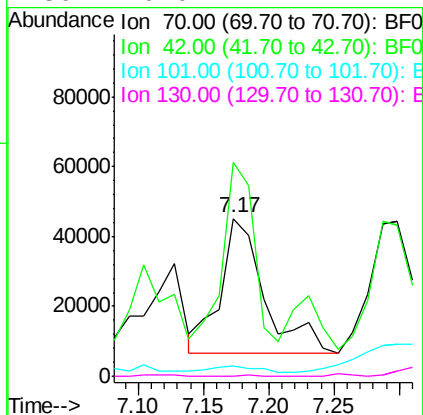
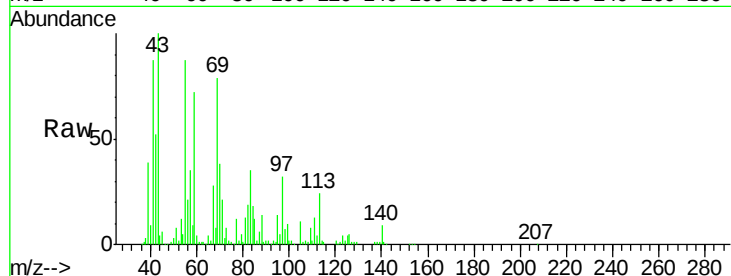




#19
n-Nitroso-di-n-propylamine
Concen: 9.78 ng
RT: 7.17 min Scan# 445
Delta R.T. -0.02 min
Lab File: BF091810.D
Acq: 20 Dec 2016 10:42

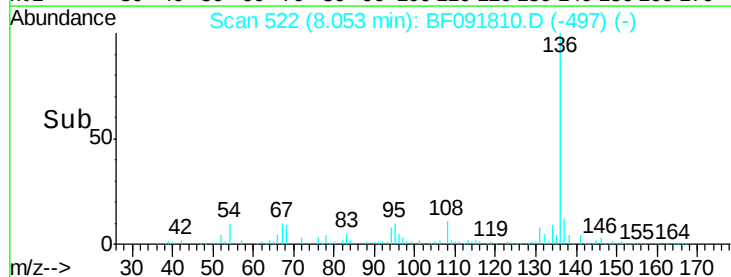
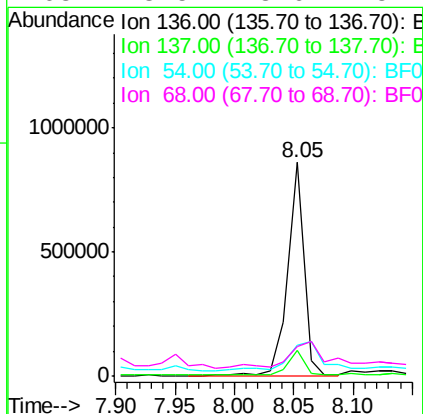
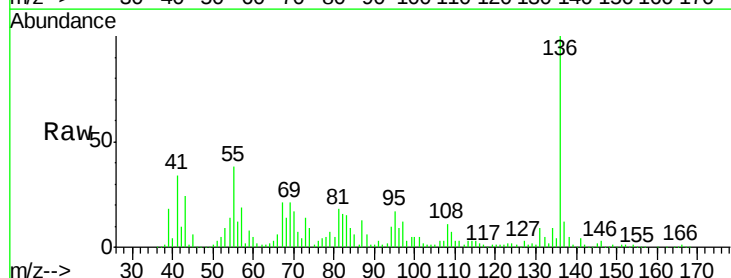
Instrument :
BNA_F
ClientSampleId :
MW-18

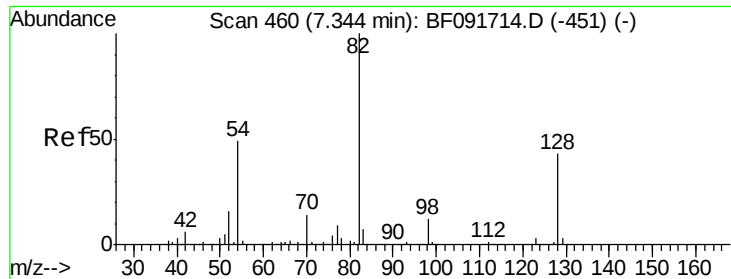
Tgt Ion: 70 Resp: 90520
Ion Ratio Lower Upper
70 100
42 135.6 49.4 74.0#
101 6.1 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF091810.D
Acq: 20 Dec 2016 10:42

Tgt Ion: 136 Resp: 808965
Ion Ratio Lower Upper
136 100
137 11.7 8.4 12.6
54 14.4 4.5 6.7#
68 13.5 3.6 5.4#

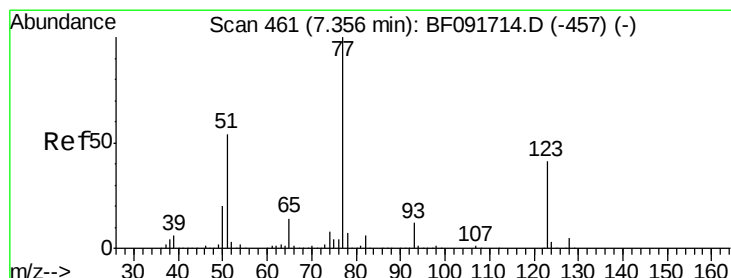
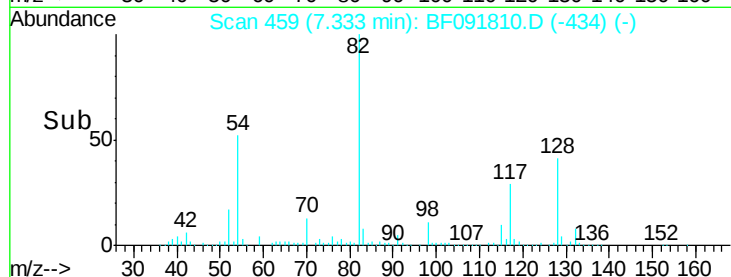
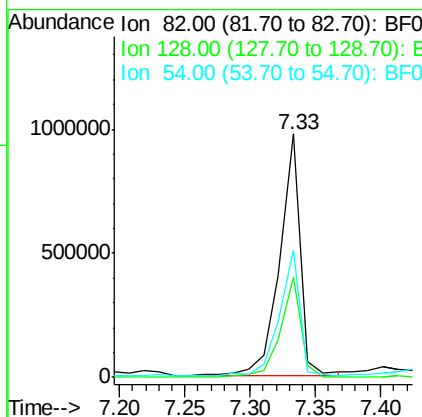
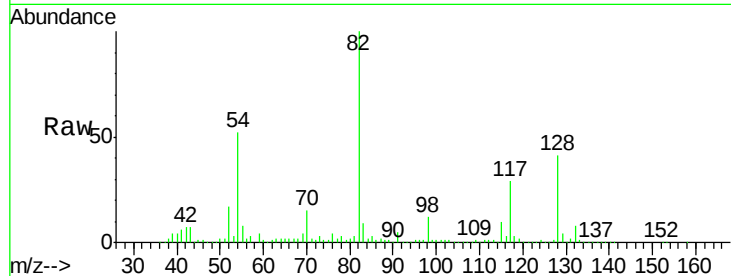




#23
 Nitrobenzene-d5
 Concen: 77.91 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF091810.D
 Acq: 20 Dec 2016 10:42

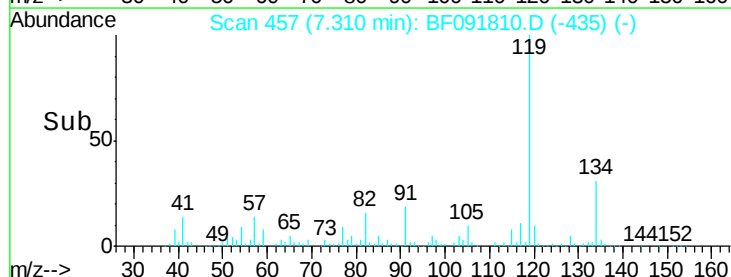
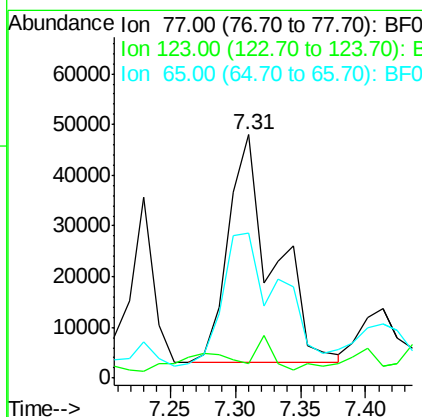
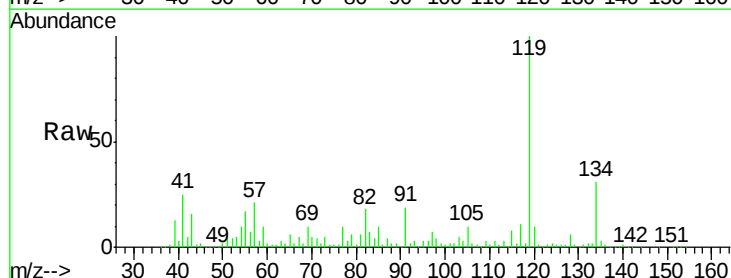
Instrument :
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 ClientSampleId :
 MW-18

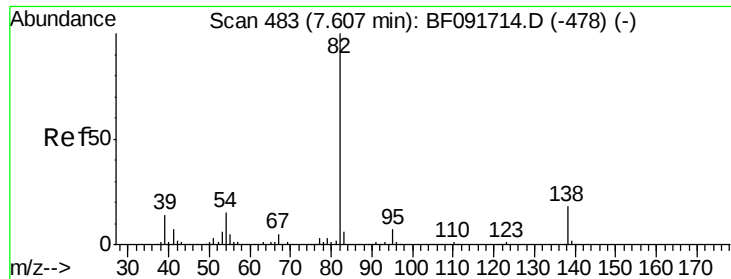
Tgt Ion: 82 Resp: 1092959
 Ion Ratio Lower Upper
 82 100
 128 41.0 34.6 52.0
 54 52.3 39.5 59.3



#24
 Nitrobenzene
 Concen: 7.18 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.05 min
 Lab File: BF091810.D
 Acq: 20 Dec 2016 10:42

Tgt Ion: 77 Resp: 108107
 Ion Ratio Lower Upper
 77 100
 123 6.0 33.0 49.4#
 65 59.4 11.2 16.8#





#25

Isophorone

Concen: 4.95 ng

RT: 7.68 min Scan# 489

Delta R.T. 0.07 min

Lab File: BF091810.D

Acq: 20 Dec 2016 10:42

Instrument :

BNA_F

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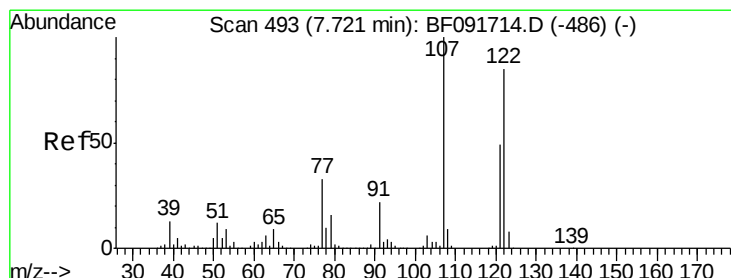
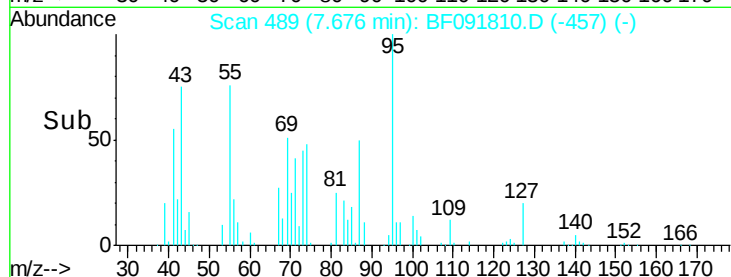
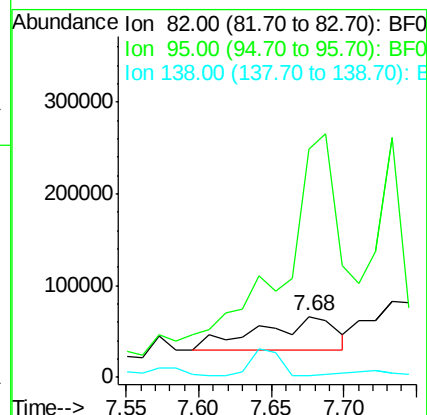
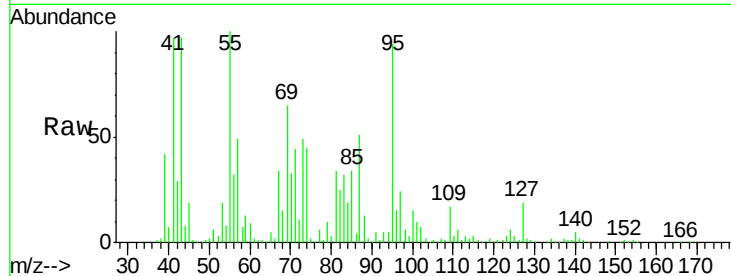
Tgt Ion: 82 Resp: 132443

Ion Ratio Lower Upper

82 100

95 375.3 5.6 8.4#

138 2.5 14.6 22.0#



#27

2,4-Dimethylphenol

Concen: 7.34 ng

RT: 7.76 min Scan# 496

Delta R.T. 0.03 min

Lab File: BF091810.D

Acq: 20 Dec 2016 10:42

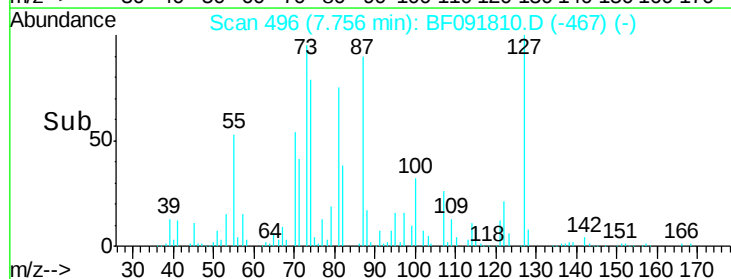
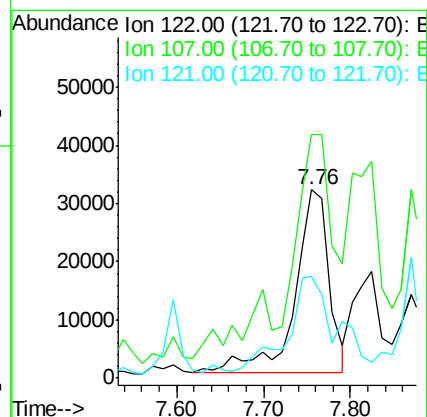
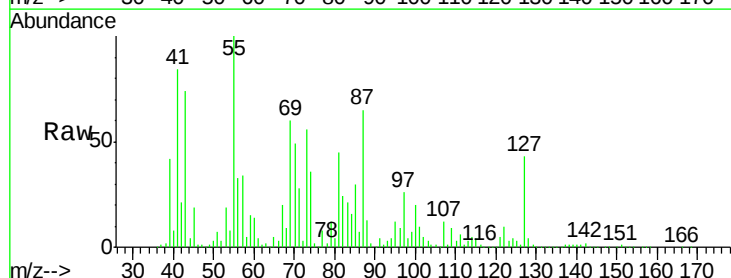
Tgt Ion: 122 Resp: 86977

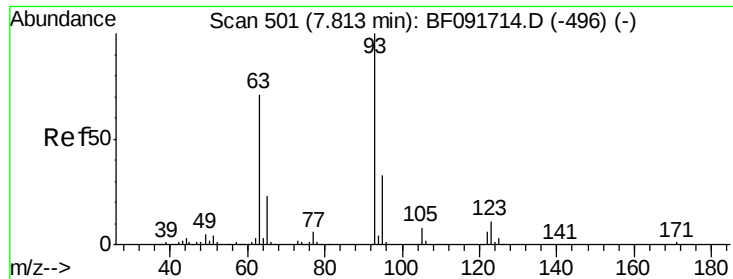
Ion Ratio Lower Upper

122 100

107 129.4 94.1 141.1

121 54.2 46.0 69.0

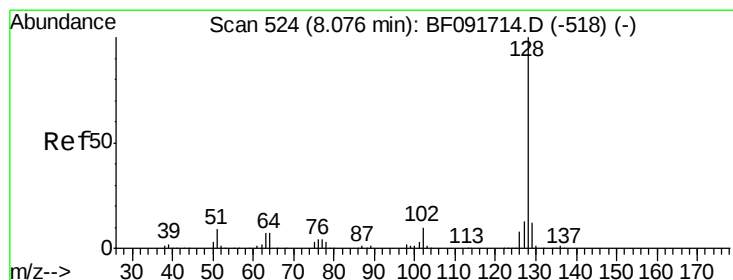
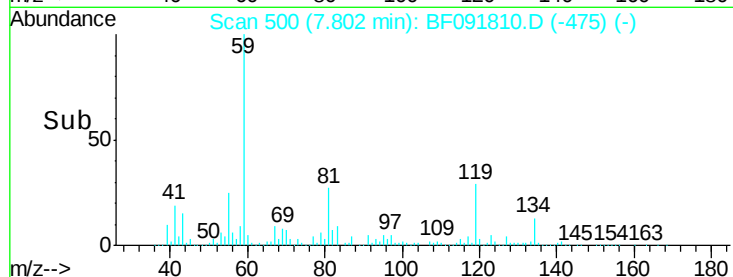
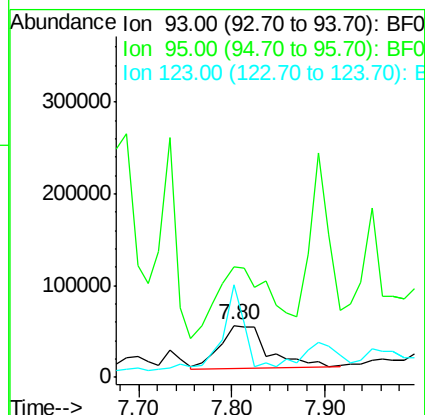
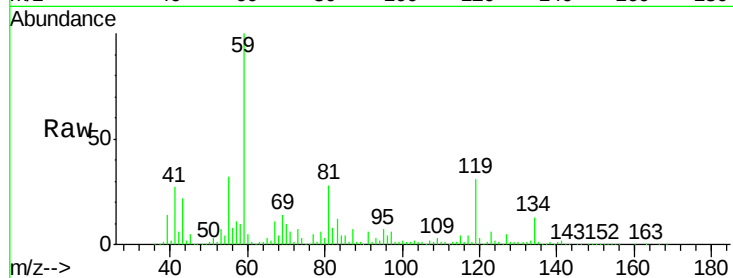




#28
bis(2-Chloroethoxy)methane
Concen: 10.89 ng
RT: 7.80 min Scan# 500
Delta R.T. -0.01 min
Lab File: BF091810.D
Acq: 20 Dec 2016 10:42

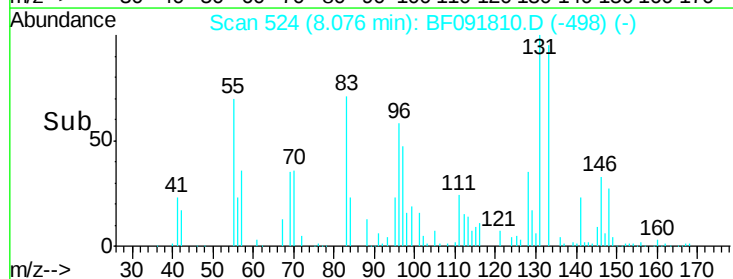
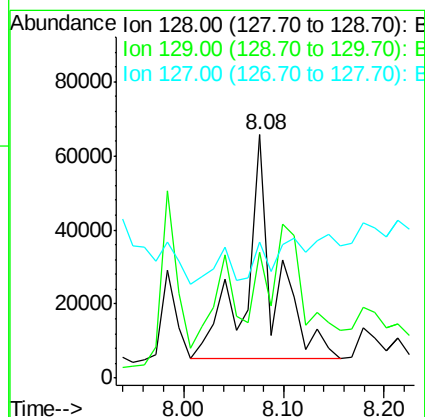
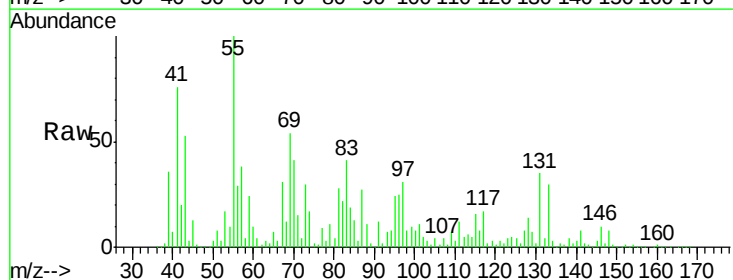
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ClientSampleId :
MW-18

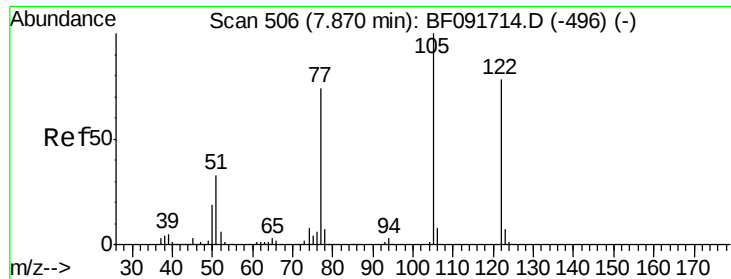
Tgt Ion: 93 Resp: 170527
Ion Ratio Lower Upper
93 100
95 211.9 26.5 39.7#
123 178.6 8.6 13.0#



#31
Naphthalene
Concen: 3.18 ng
RT: 8.08 min Scan# 524
Delta R.T. 0.00 min
Lab File: BF091810.D
Acq: 20 Dec 2016 10:42

Tgt Ion: 128 Resp: 122808
Ion Ratio Lower Upper
128 100
129 51.8 9.5 14.3#
127 56.0 10.8 16.2#





#32

Benzoic acid

Concen: 5.44 ng

RT: 7.89 min Scan# 508

Delta R.T. 0.02 min

Lab File: BF091810.D

Acq: 20 Dec 2016 10:42

Instrument :

BNA_F

ClientSampleId :

MW-18

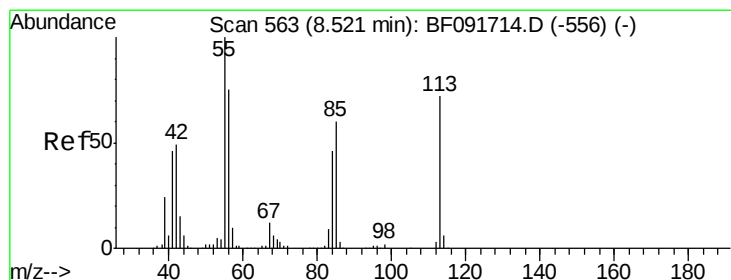
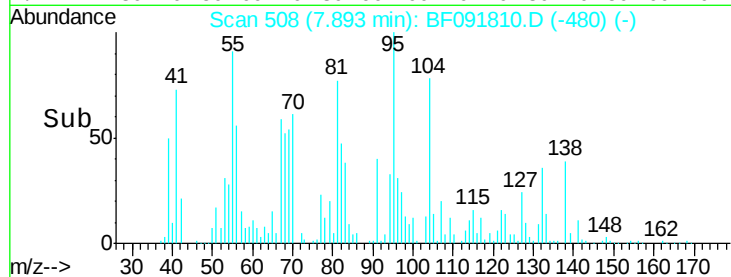
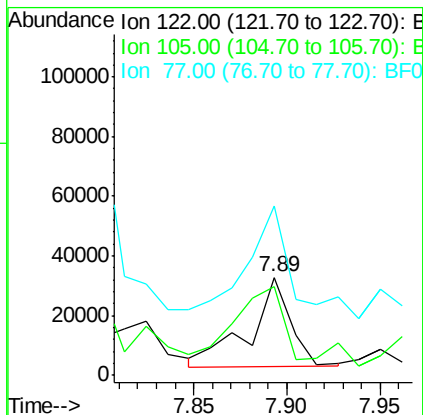
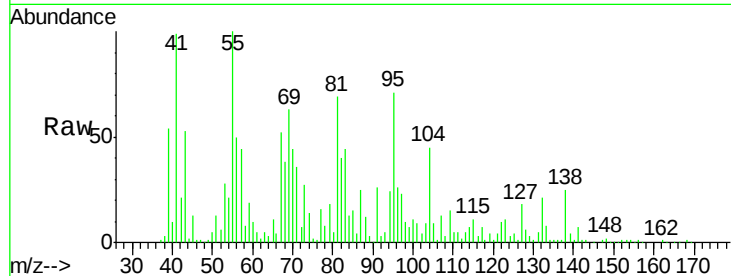
Tgt Ion:122 Resp: 45937

Ion Ratio Lower Upper

122 100

105 90.4 107.2 147.2#

77 172.8 74.5 114.5#



#35

Caprolactam

Concen: 81.95 ng

RT: 8.53 min Scan# 564

Delta R.T. 0.01 min

Lab File: BF091810.D

Acq: 20 Dec 2016 10:42

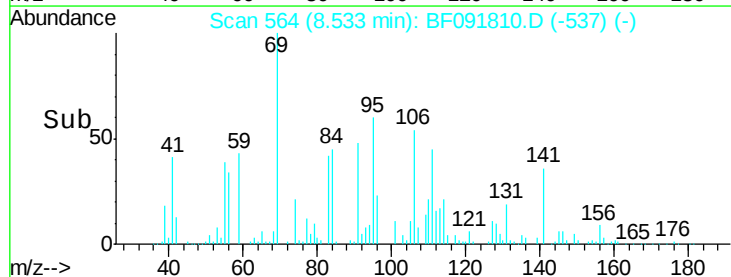
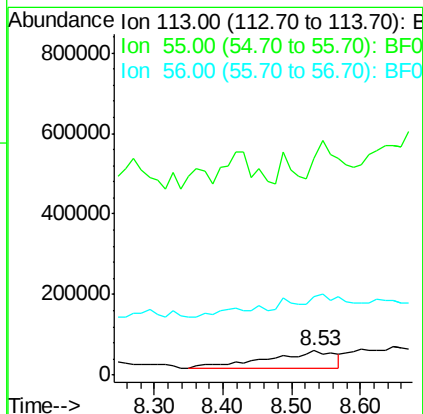
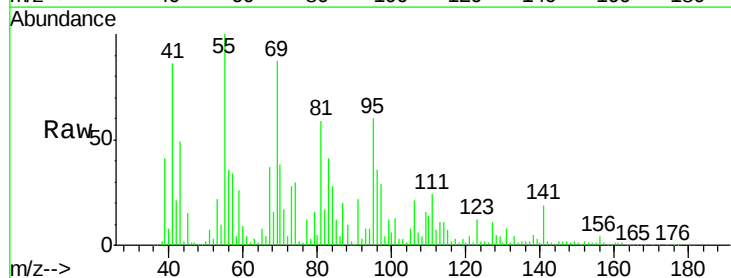
Tgt Ion:113 Resp: 288317

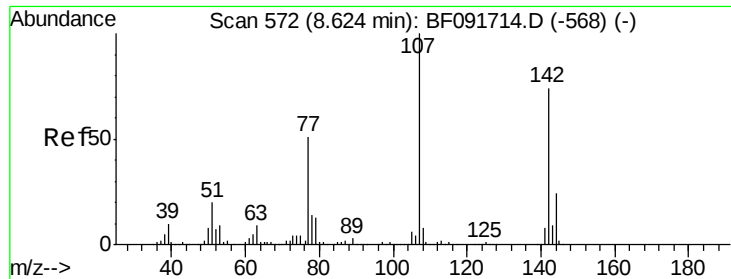
Ion Ratio Lower Upper

113 100

55 882.3 119.2 159.2#

56 321.3 83.8 123.8#

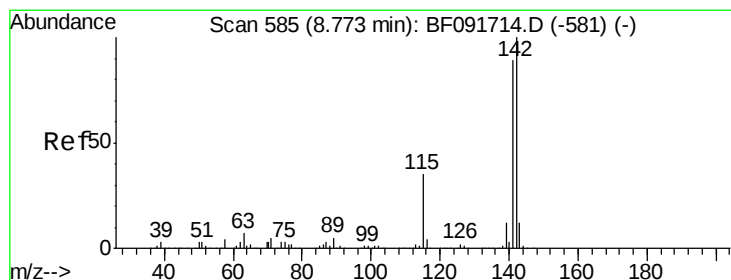
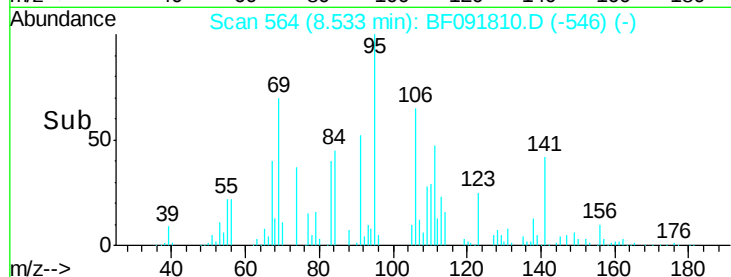
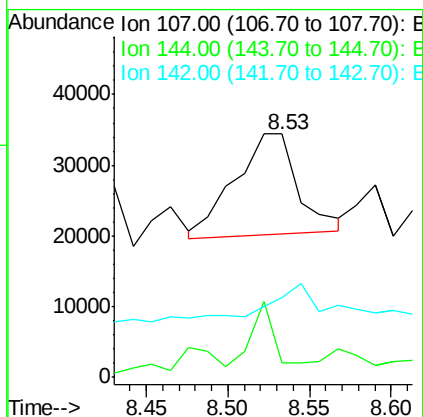
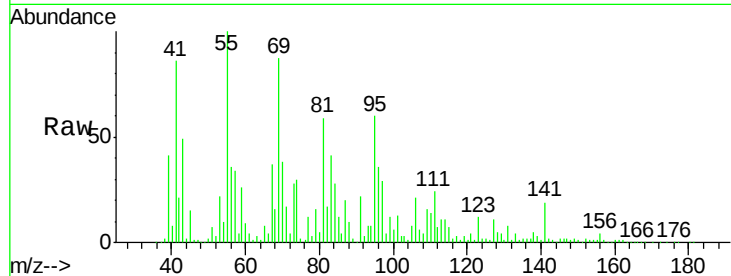




#36
 4-Chloro-3-methylphenol
 Concen: 3.22 ng
 RT: 8.53 min Scan# 564
 Delta R.T. -0.09 min
 Lab File: BF091810.D
 Acq: 20 Dec 2016 10:42

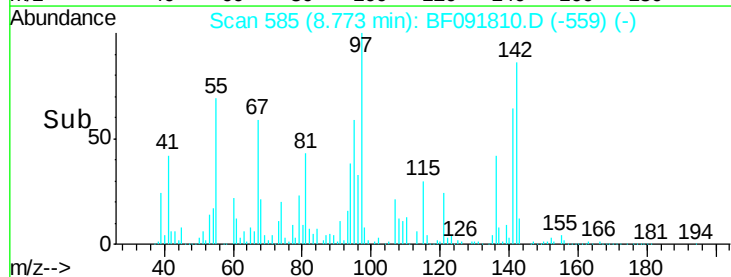
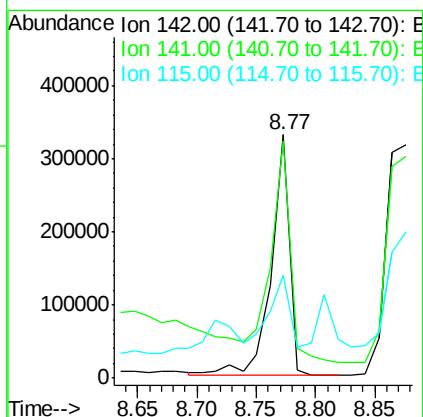
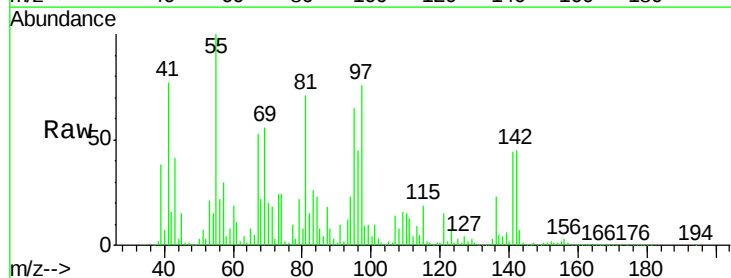
Instrument :
 BNA_F
 ClientSampleId :
 MW-18

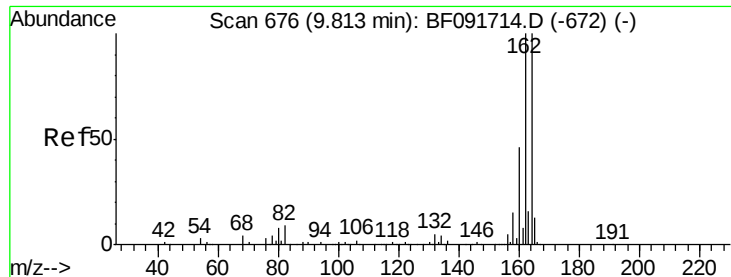
Tgt Ion:107 Resp: 38786
 Ion Ratio Lower Upper
 107 100
 144 5.7 19.3 28.9#
 142 32.6 59.0 88.6#



#37
 2-Methylnaphthalene
 Concen: 14.58 ng
 RT: 8.77 min Scan# 585
 Delta R.T. 0.00 min
 Lab File: BF091810.D
 Acq: 20 Dec 2016 10:42

Tgt Ion:142 Resp: 355251
 Ion Ratio Lower Upper
 142 100
 141 97.5 71.0 106.6
 115 42.2 28.3 42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 676

Delta R.T. 0.00 min

Lab File: BF091810.D

Acq: 20 Dec 2016 10:42

Instrument :

BNA_F

ClientSampleId :

MW-18

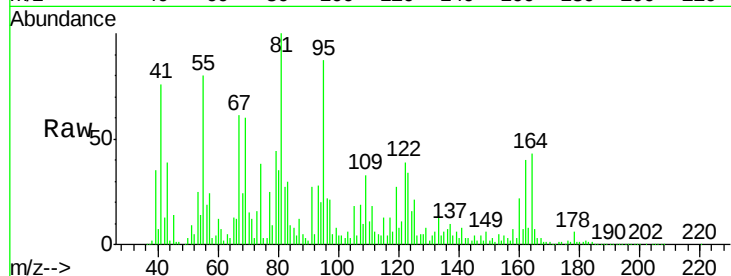
Tgt Ion:164 Resp: 538892

Ion Ratio Lower Upper

164 100

162 91.9 80.2 120.2

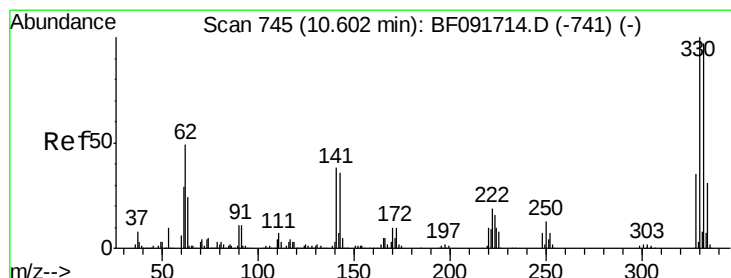
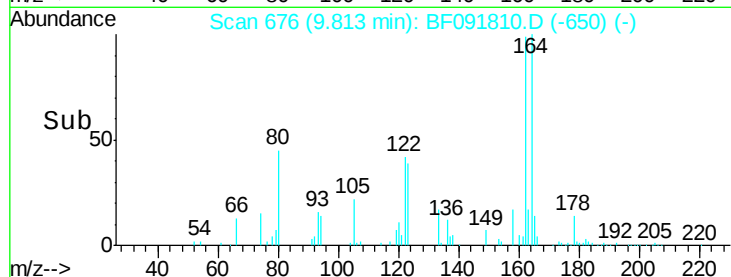
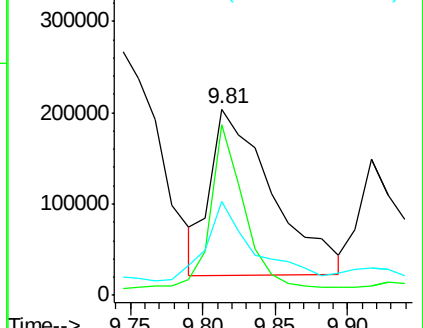
160 50.2 36.9 55.3



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: 65.17 ng

RT: 10.62 min Scan# 747

Delta R.T. 0.02 min

Lab File: BF091810.D

Acq: 20 Dec 2016 10:42

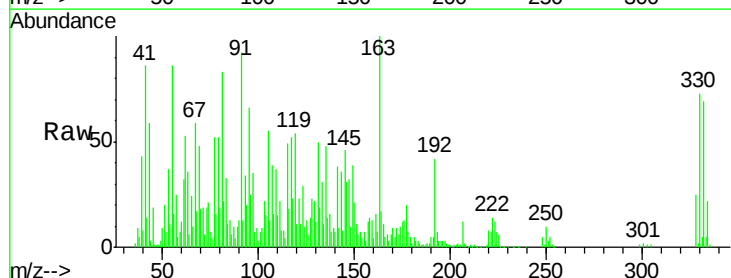
Tgt Ion:330 Resp: 297820

Ion Ratio Lower Upper

330 100

332 95.3 77.4 116.2

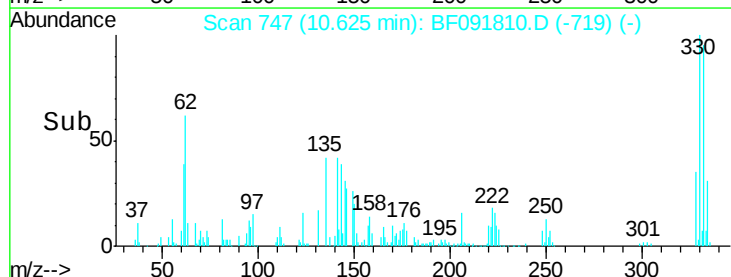
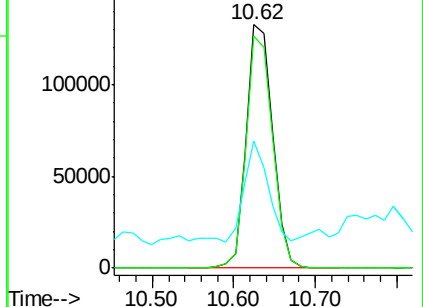
141 36.8 34.1 51.1

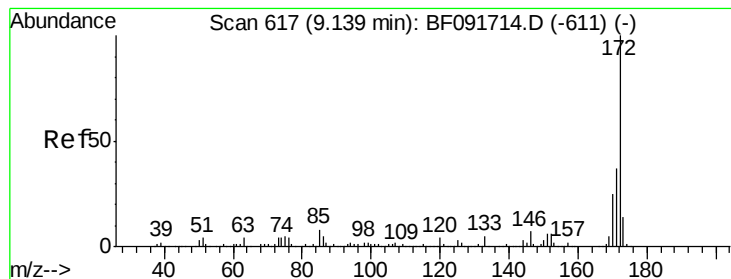


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

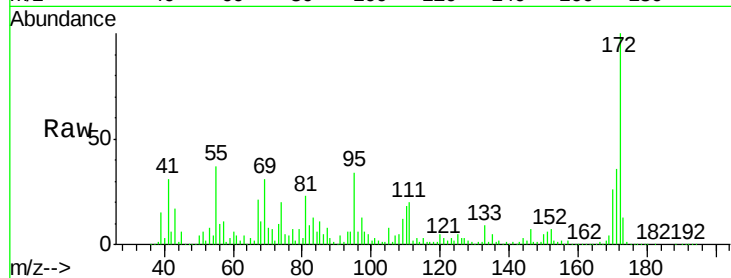




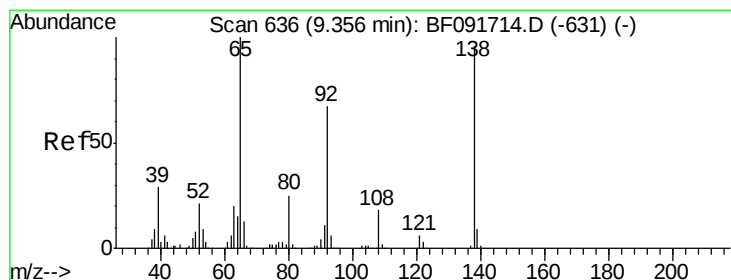
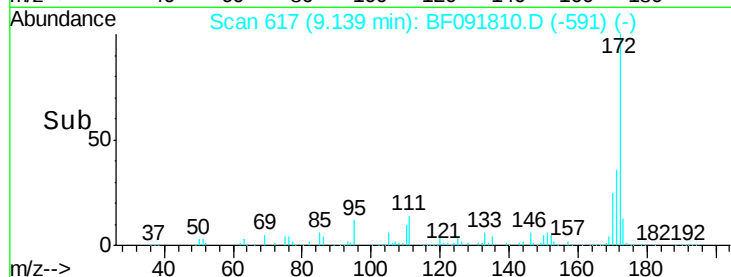
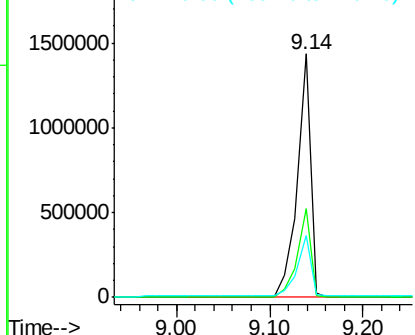
#44
 2-Fluorobiphenyl
 Concen: 52.74 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: BF091810.D
 Acq: 20 Dec 2016 10:42

Instrument :
 BNA_F
 ClientSampleId :
 MW-18

Tgt Ion: 172 Resp: 1414731
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 25.6 20.2 30.4

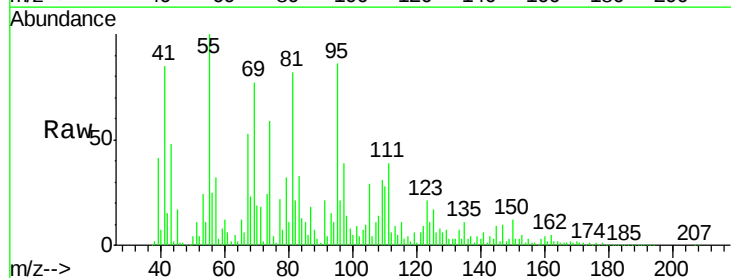


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

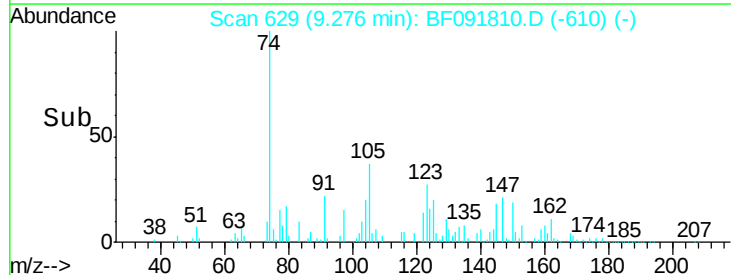
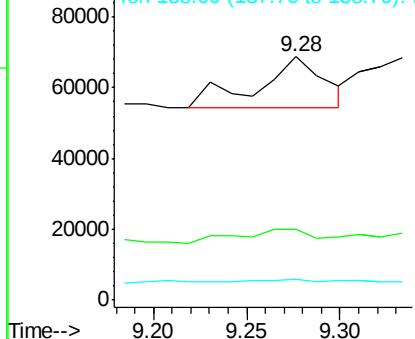


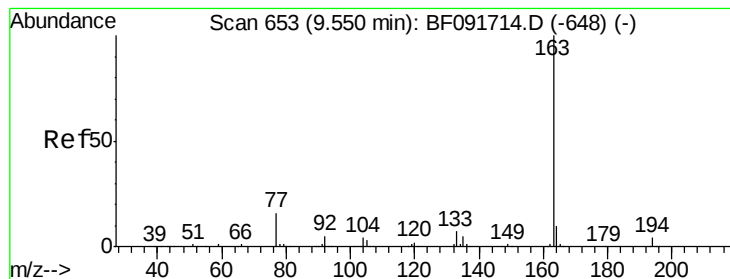
#47
 2-Nitroaniline
 Concen: 3.59 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.08 min
 Lab File: BF091810.D
 Acq: 20 Dec 2016 10:42

Tgt Ion: 65 Resp: 35410
 Ion Ratio Lower Upper
 65 100
 92 29.1 53.9 80.9#
 138 8.8 76.8 115.2#



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 4.06 ng

RT: 9.56 min Scan# 654

Delta R.T. 0.01 min

Lab File: BF091810.D

Acq: 20 Dec 2016 10:42

Instrument :

BNA_F

ClientSampleId :

MW-18

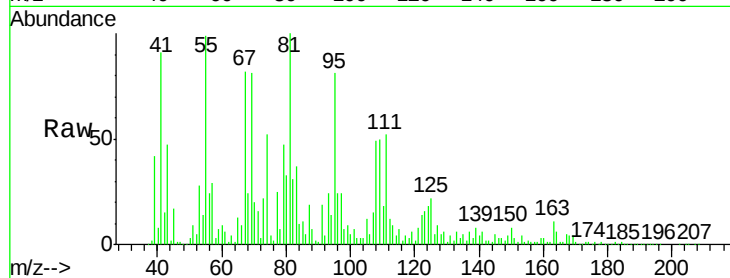
Tgt Ion:163 Resp: 142757

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.4

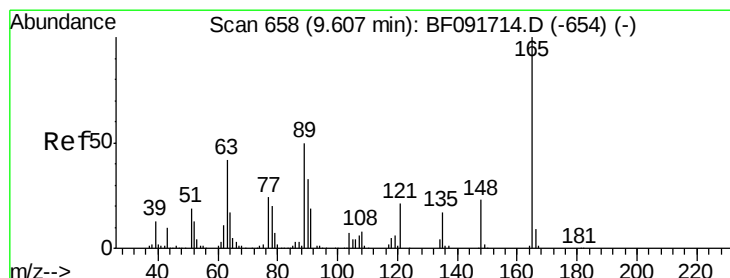
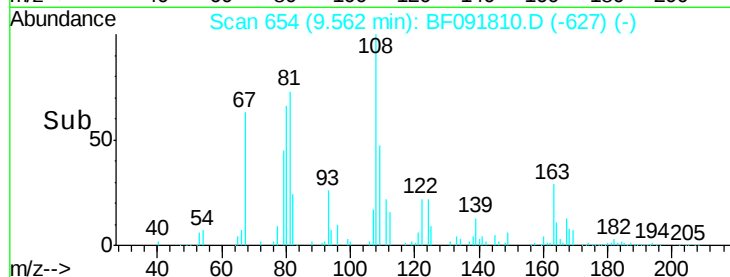
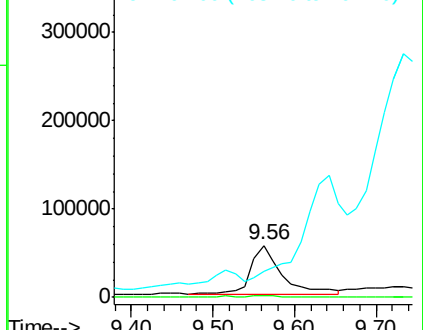
164 49.5 8.0 12.0#



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



#50

2,6-Dinitrotoluene

Concen: 7.07 ng

RT: 9.64 min Scan# 661

Delta R.T. 0.03 min

Lab File: BF091810.D

Acq: 20 Dec 2016 10:42

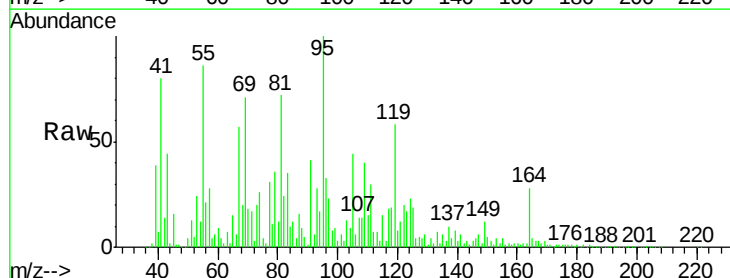
Tgt Ion:165 Resp: 54604

Ion Ratio Lower Upper

165 100

63 162.7 36.2 54.4#

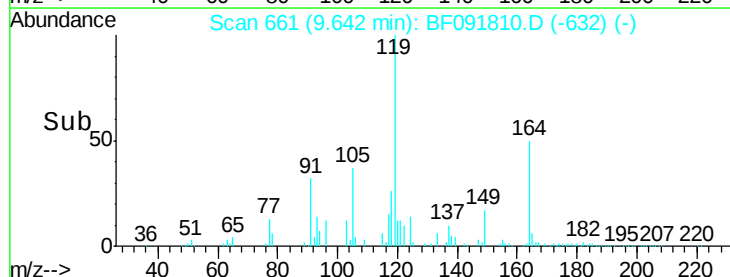
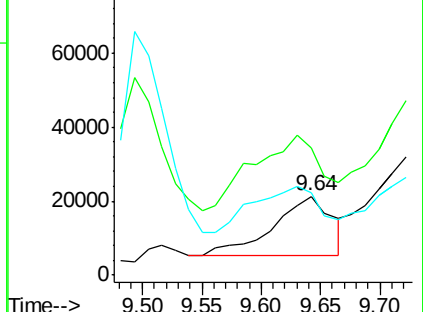
89 104.9 40.2 60.4#

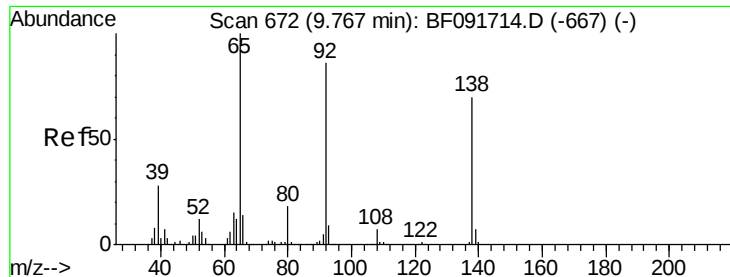


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#52

3-Nitroaniline

Concen: 2.09 ng

RT: 9.79 min Scan# 674

Delta R.T. 0.02 min

Lab File: BF091810.D

Acq: 20 Dec 2016 10:42

Instrument :

BNA_F

ClientSampleId :

MW-18

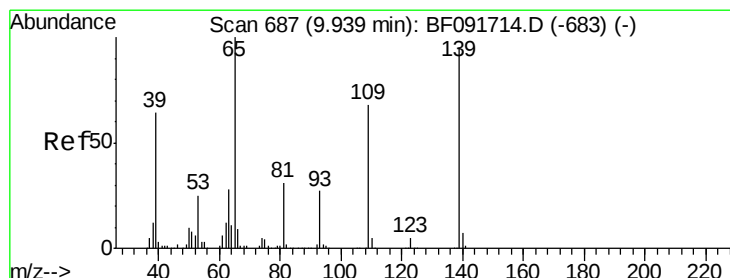
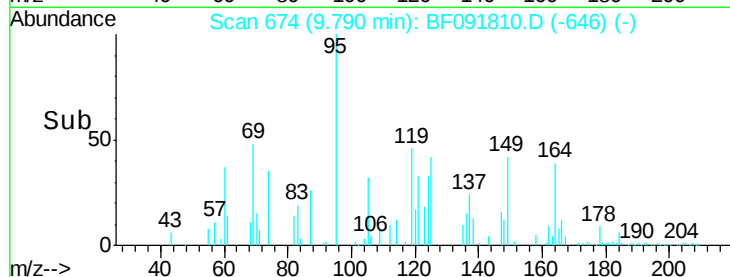
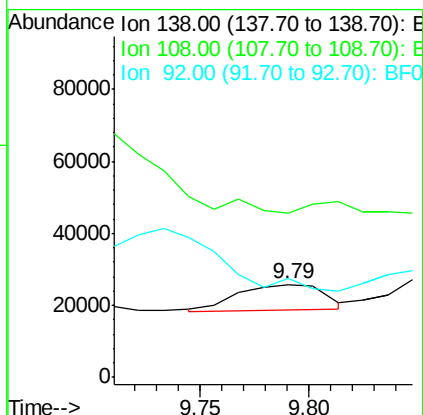
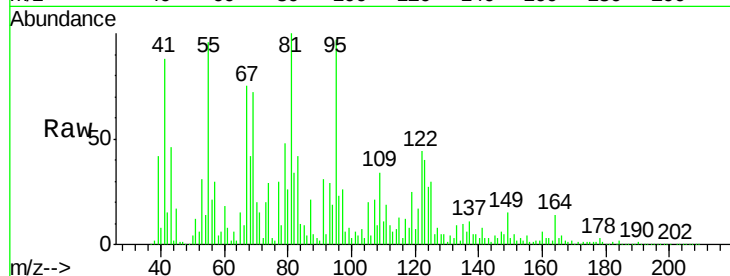
Tgt Ion:138 Resp: 20038

Ion Ratio Lower Upper

138 100

108 177.0 8.5 12.7#

92 106.5 97.8 146.8



#55

4-Nitrophenol

Concen: 3.99 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.03 min

Lab File: BF091810.D

Acq: 20 Dec 2016 10:42

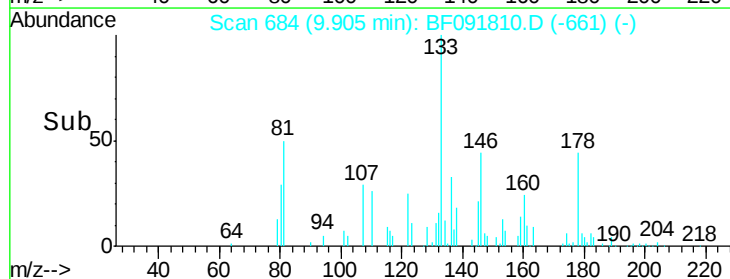
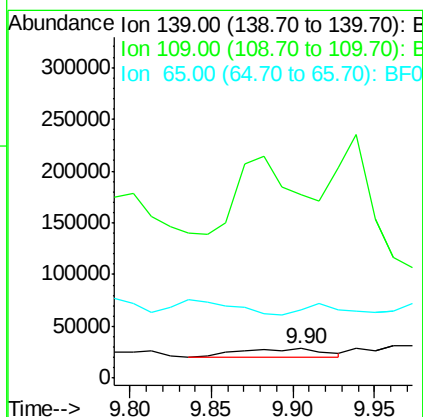
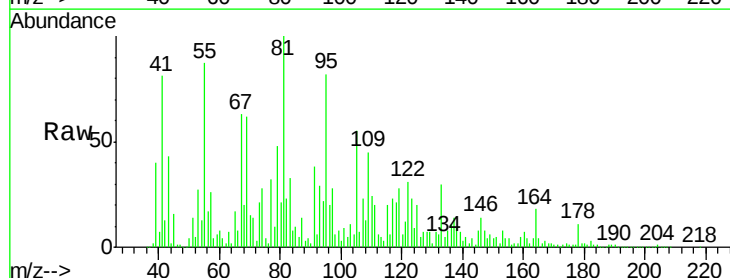
Tgt Ion:139 Resp: 26618

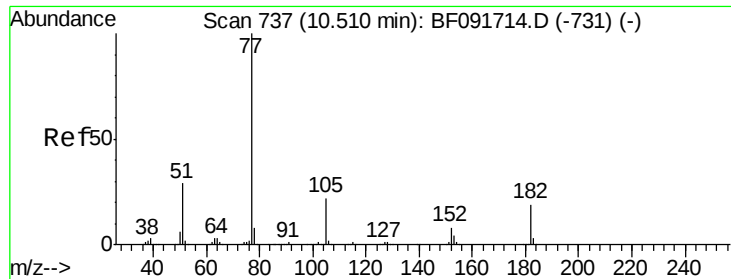
Ion Ratio Lower Upper

139 100

109 614.6 52.2 92.2#

65 230.0 85.8 125.8#

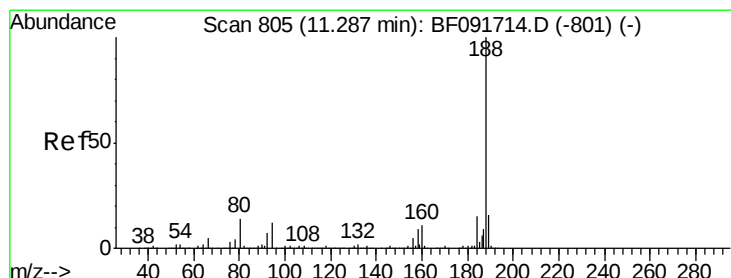
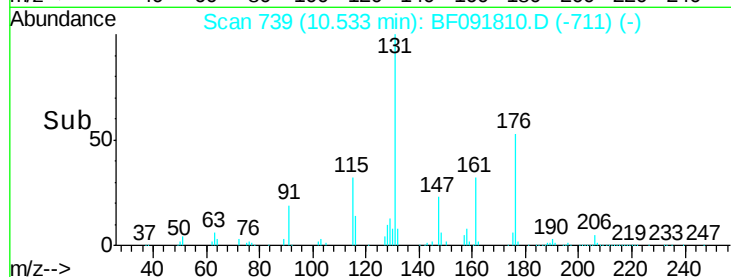
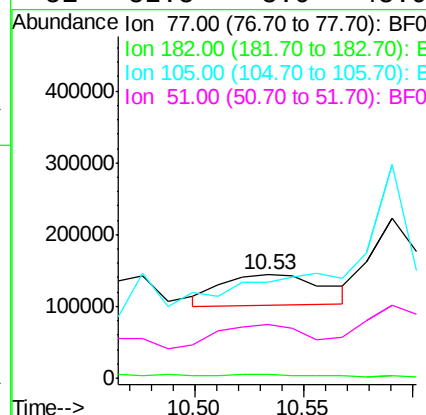
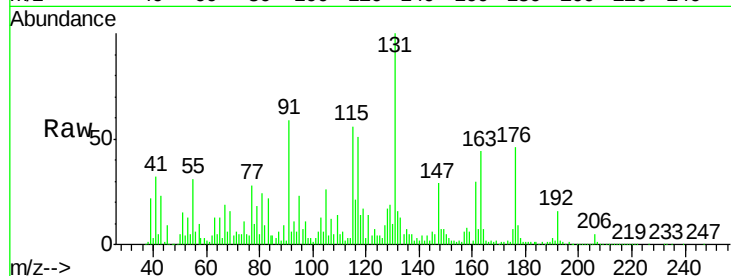




#62
Azobenzene
Concen: 3.82 ng
RT: 10.53 min Scan# 739
Delta R.T. 0.02 min
Lab File: BF091810.D
Acq: 20 Dec 2016 10:42

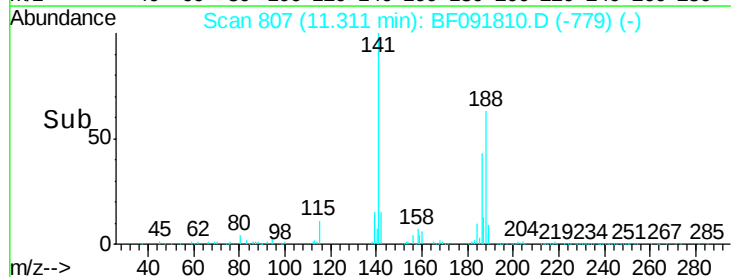
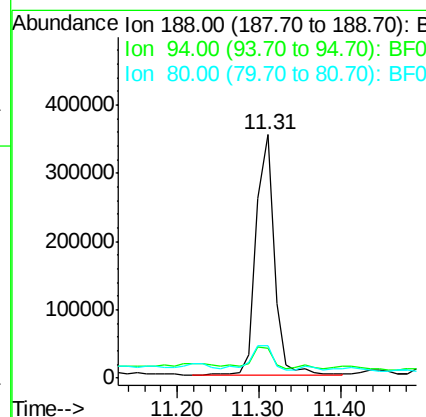
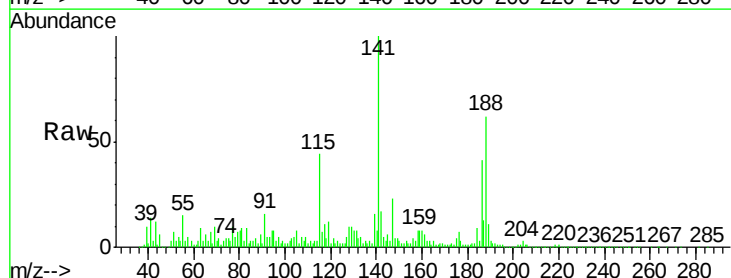
Instrument :
BNA_F
ClientSampled :
MW-18

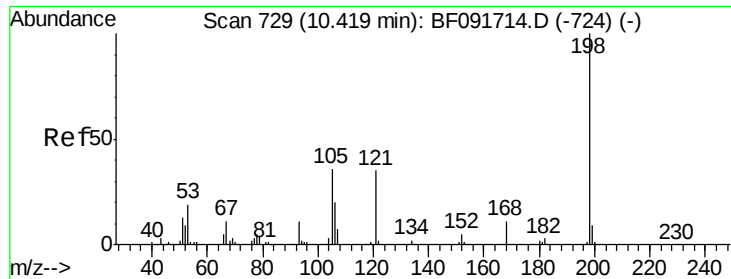
Tgt Ion: 77 Resp: 140550
Ion Ratio Lower Upper
77 100
182 3.4 0.0 39.3
105 92.8 2.3 42.3#
51 52.5 8.9 48.9#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 807
Delta R.T. 0.02 min
Lab File: BF091810.D
Acq: 20 Dec 2016 10:42

Tgt Ion: 188 Resp: 539833
Ion Ratio Lower Upper
188 100
94 12.1 10.0 15.0
80 13.3 11.2 16.8

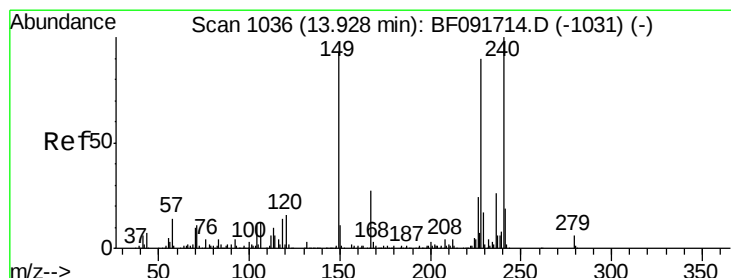
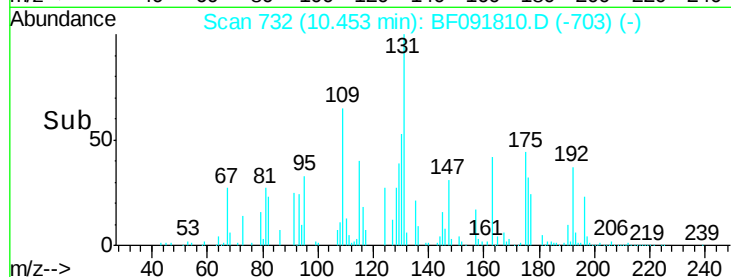
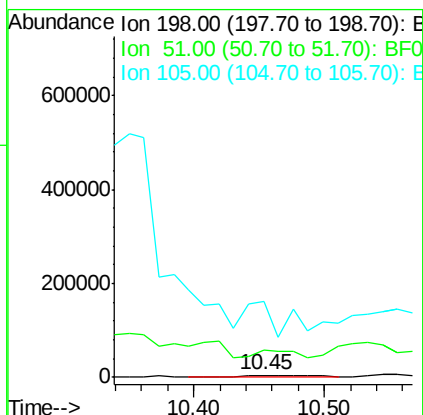
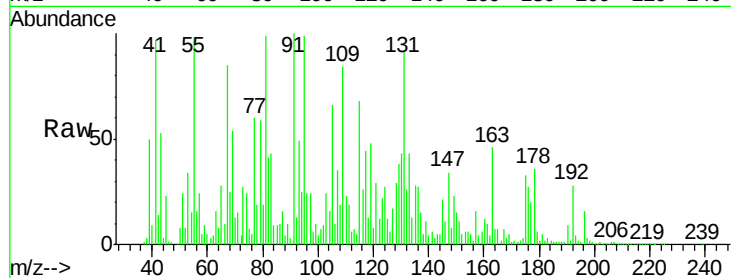




#64
 4,6-Dinitro-2-methylphenol
 Concen: 3.34 ng
 RT: 10.45 min Scan# 732
 Delta R.T. 0.04 min
 Lab File: BF091810.D
 Acq: 20 Dec 2016 10:42

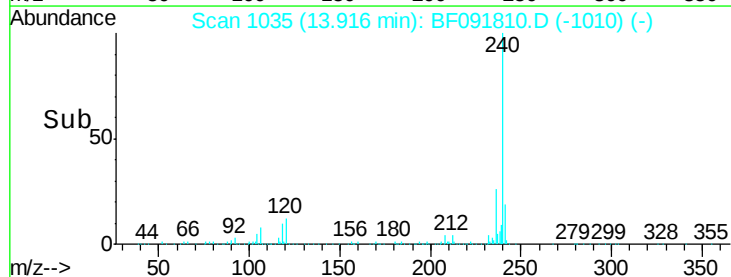
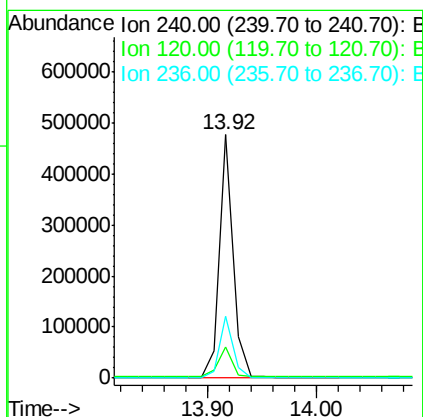
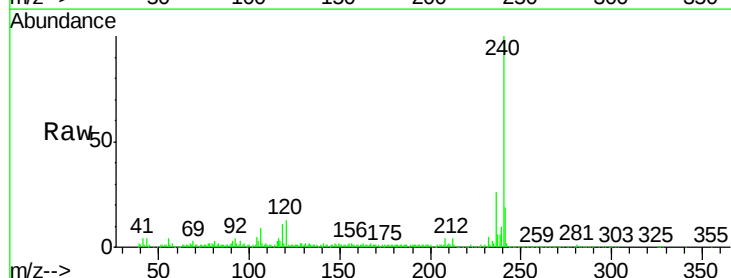
Instrument :
 BNA_F
 ClientSampled :
 MW-18

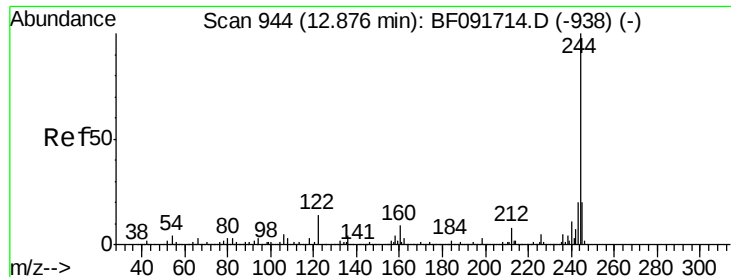
Tgt Ion:198 Resp: 11907
 Ion Ratio Lower Upper
 198 100
 51 1318.6 6.7 46.7#
 105 3602.7 16.6 56.6#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF091810.D
 Acq: 20 Dec 2016 10:42

Tgt Ion:240 Resp: 423327
 Ion Ratio Lower Upper
 240 100
 120 12.7 12.9 19.3#
 236 25.6 20.9 31.3





#78

Terphenyl-d14

Concen: 75.09 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF091810.D

Acq: 20 Dec 2016 10:42

Instrument :

BNA_F

ClientSampleId :

MW-18

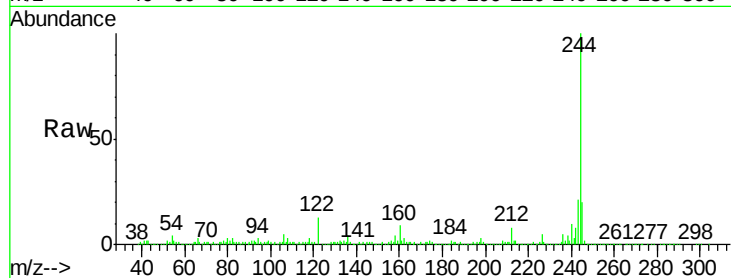
Tgt Ion:244 Resp: 1258915

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

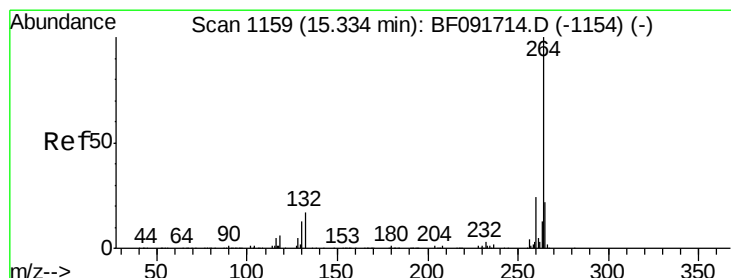
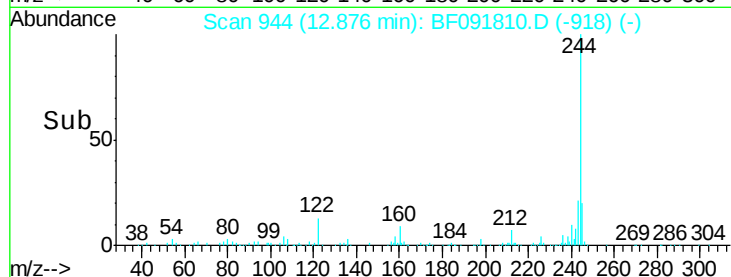
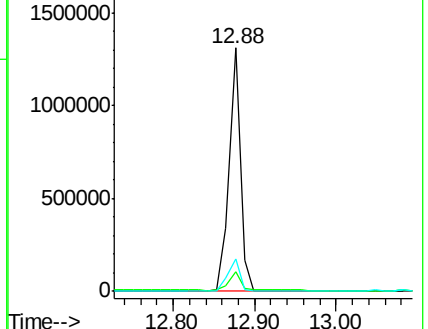
122 13.4 11.4 17.2



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: BF091810.D

Acq: 20 Dec 2016 10:42

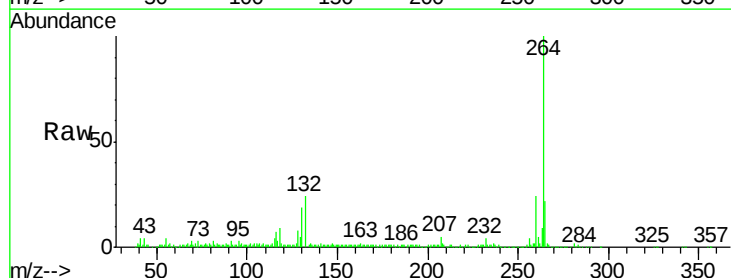
Tgt Ion:264 Resp: 377748

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.7 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

