

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
 Data File : BF091884.D
 Acq On : 22 Dec 2016 14:25
 Operator : UM/SJ
 Sample : H6147-02RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-18

Quant Time: Dec 23 00:35:25 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	289088	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	955232	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	645719	20.00	ng	0.01
63) Phenanthrene-d10	11.30	188	625760	20.00	ng	0.03
75) Chrysene-d12	13.91	240	604763	20.00	ng	0.00
86) Perylene-d12	15.31	264	605607	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1002728	57.92	ng	0.07
7) Phenol-d6	6.50	99	868513	41.09	ng	0.09
23) Nitrobenzene-d5	7.33	82	1737954	101.17	ng	0.01
41) 2,4,6-Tribromophenol	10.62	330	350118	65.52	ng	0.05
44) 2-Fluorobiphenyl	9.13	172	1565780	43.37	ng	0.01
78) Terphenyl-d14	12.87	244	1343892	53.89	ng	0.01

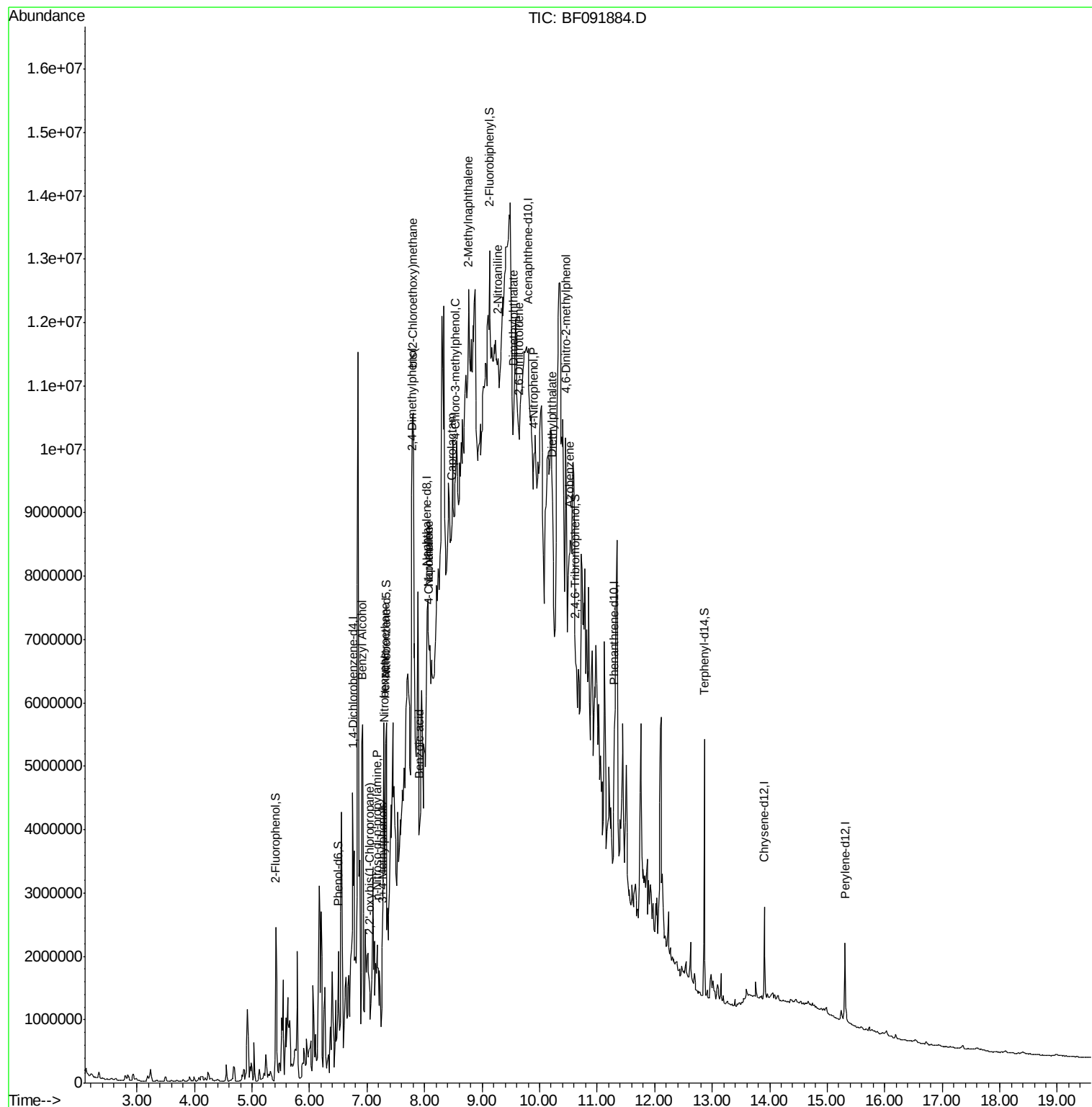
Target Compounds						Qvalue
15) Benzyl Alcohol	6.92	79	39228	2.39	ng	# 45
16) 2,2'-oxybis(1-Chloropropan	7.04	45	118449	4.15	ng	# 88
18) Hexachloroethane	7.32	117	683200	86.12	ng	# 3
19) n-Nitroso-di-n-propylamine	7.17	70	147839	10.51	ng	# 14
20) 3+4-Methylphenols	7.26	107	250317	13.25	ng	# 64
24) Nitrobenzene	7.30	77	218782	11.96	ng	# 27
27) 2,4-Dimethylphenol	7.78	122	123311	8.24	ng	# 84
28) bis(2-Chloroethoxy)methane	7.80	93	210319	10.94	ng	# 1
31) Naphthalene	8.06	128	150801	3.45	ng	# 1
32) Benzoic acid	7.92	122	65006	5.86	ng	# 50
33) 4-Chloroaniline	8.08	127	82755	4.20	ng	# 62
35) Caprolactam	8.48	113	161628	38.81	ng	# 1
36) 4-Chloro-3-methylphenol	8.53	107	85270	5.85	ng	# 49
37) 2-Methylnaphthalene	8.76	142	432396	12.76	ng	# 90
47) 2-Nitroaniline	9.28	65	62066	4.98	ng	# 29
49) Dimethylphthalate	9.55	163	172926	4.19	ng	# 37
50) 2,6-Dinitrotoluene	9.64	165	60998	6.75	ng	# 1
55) 4-Nitrophenol	9.89	139	32596	4.29	ng	# 1
59) Diethylphthalate	10.22	149	127533	3.18	ng	# 51
62) Azobenzene	10.52	77	122690	2.78	ng	# 28
64) 4,6-Dinitro-2-methylphenol	10.45	198	16398	4.33	ng	# 1
71) Anthracene	11.34	178	17819	Below	Cal	# 34
73) Di-n-butylphthalate	11.87	149	25537	Below	Cal	# 35
74) Fluoranthene	12.50	202	10099	Below	Cal	# 1
76) Benzidine	12.63	184	2020	Below	Cal	# 1

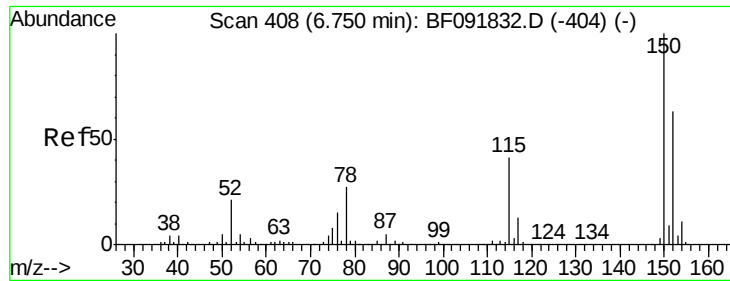
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
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QLast Update : Wed Dec 21 16:17:51 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091884.D

Acq: 22 Dec 2016 14:25

Instrument :

BNA_F

ClientSampleId :

MW-18

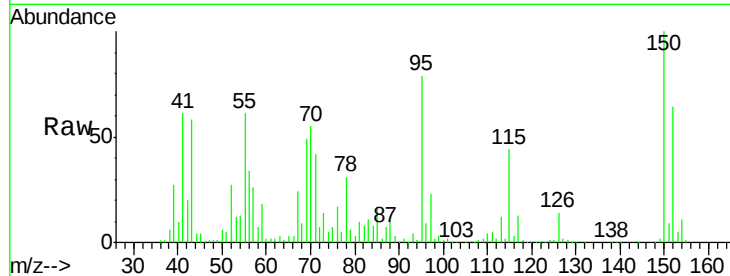
Tgt Ion:152 Resp: 289088

Ion Ratio Lower Upper

152 100

150 155.2 124.9 187.3

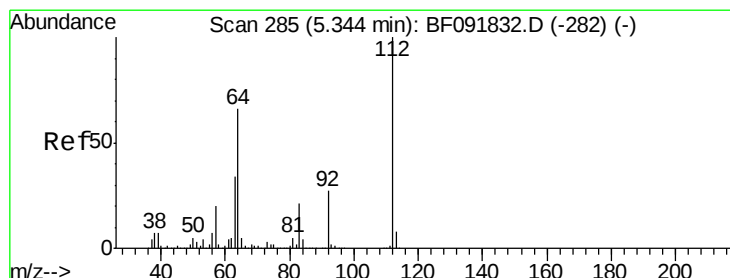
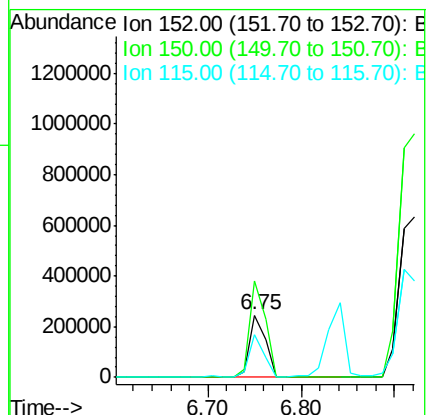
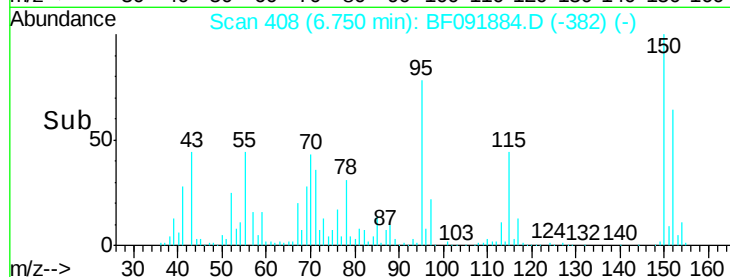
115 68.2 46.0 69.0



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: 57.92 ng

RT: 5.41 min Scan# 291

Delta R.T. 0.07 min

Lab File: BF091884.D

Acq: 22 Dec 2016 14:25

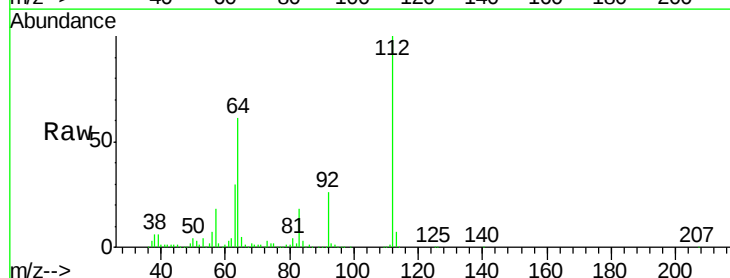
Tgt Ion:112 Resp: 1002728

Ion Ratio Lower Upper

112 100

64 60.9 46.1 69.1

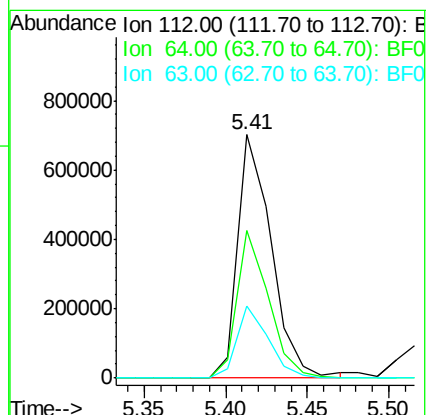
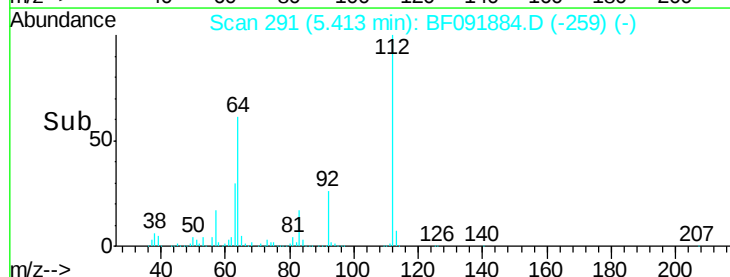
63 29.7 23.8 35.6



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: 41.09 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.09 min

Lab File: BF091884.D

Acq: 22 Dec 2016 14:25

Instrument :

BNA_F

ClientSampleId :

MW-18

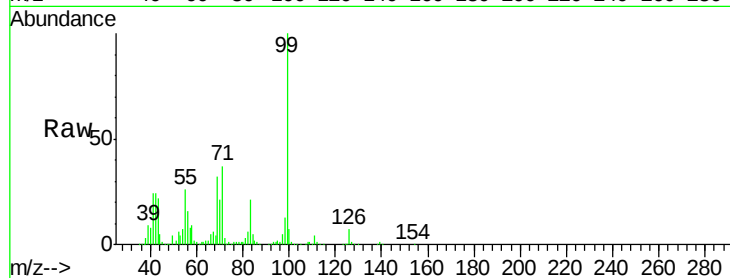
Tgt Ion: 99 Resp: 868513

Ion Ratio Lower Upper

99 100

42 24.3 15.6 23.4#

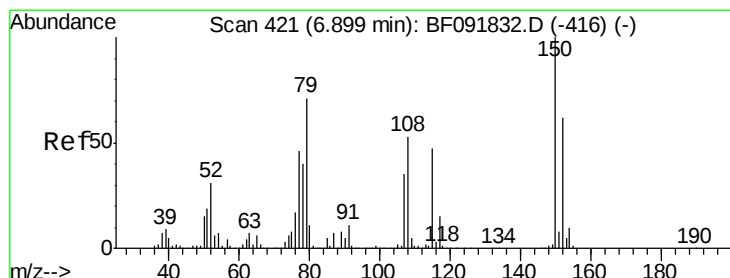
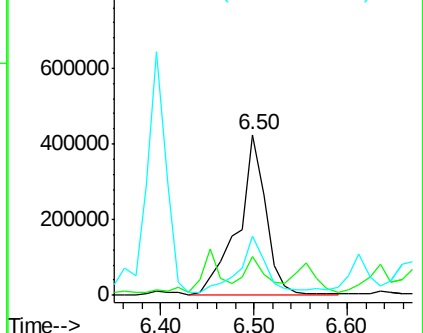
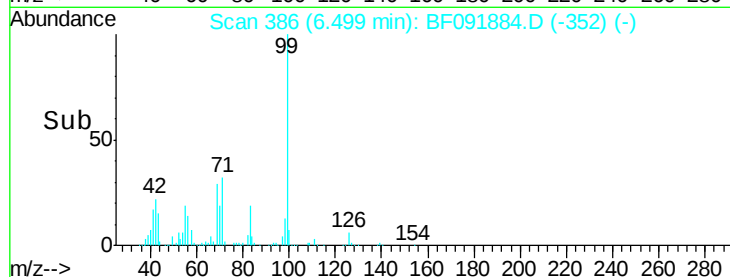
71 37.0 27.5 41.3



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: 2.39 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.02 min

Lab File: BF091884.D

Acq: 22 Dec 2016 14:25

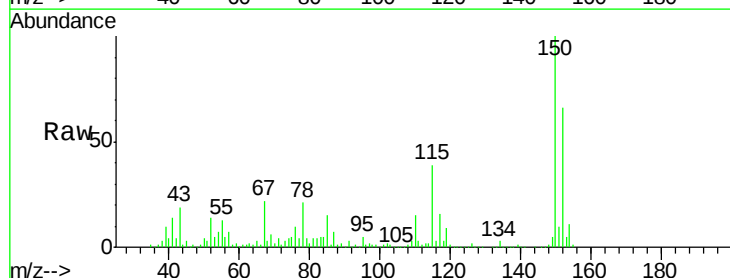
Tgt Ion: 79 Resp: 39228

Ion Ratio Lower Upper

79 100

108 29.7 61.4 92.0#

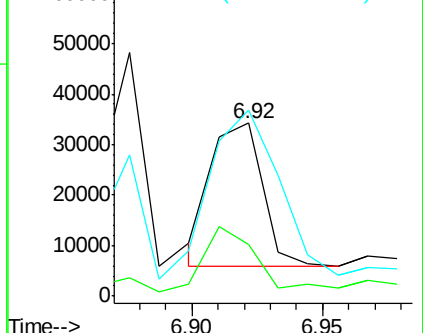
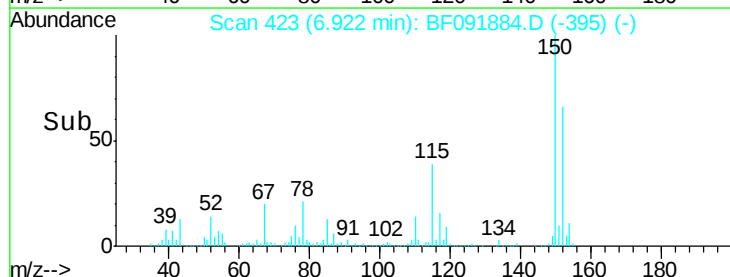
77 107.4 50.9 76.3#

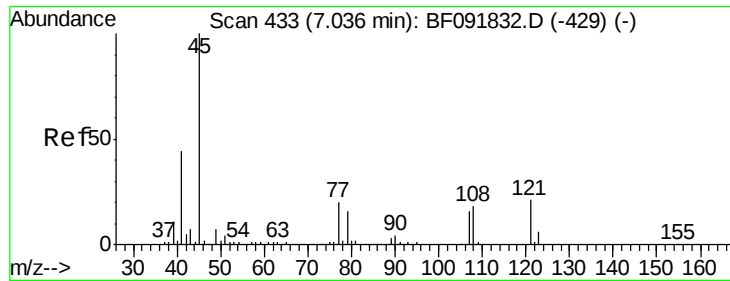


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

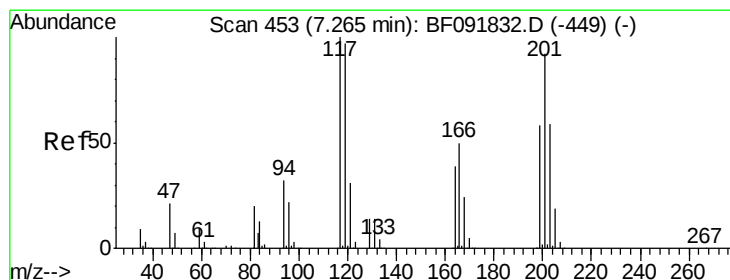
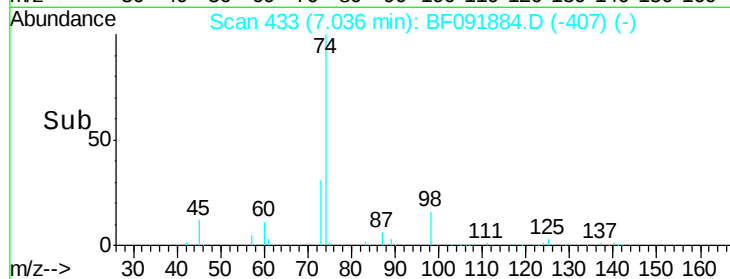
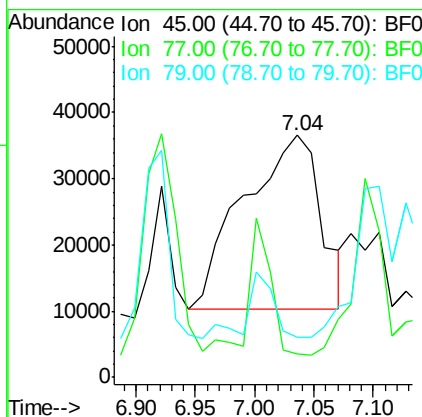
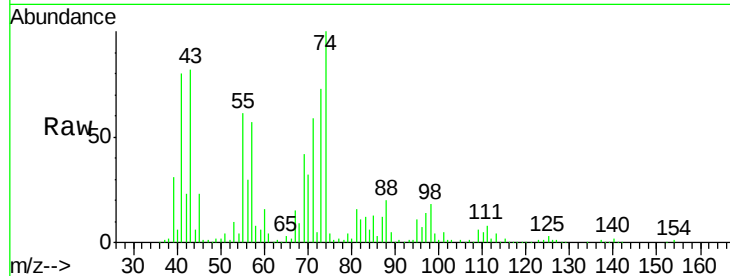




#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.15 ng
RT: 7.04 min Scan# 433
Delta R.T. -0.00 min
Lab File: BF091884.D
Acq: 22 Dec 2016 14:25

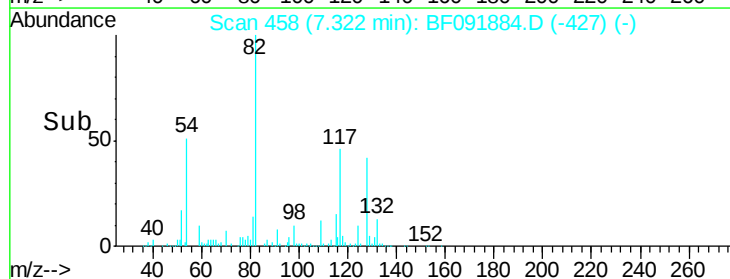
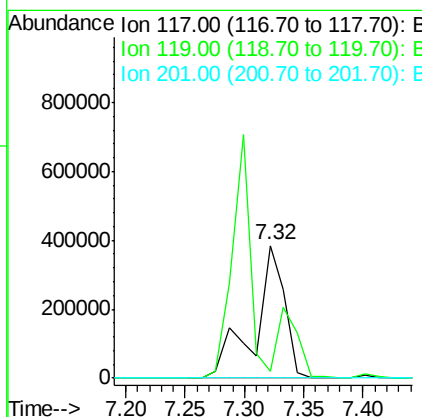
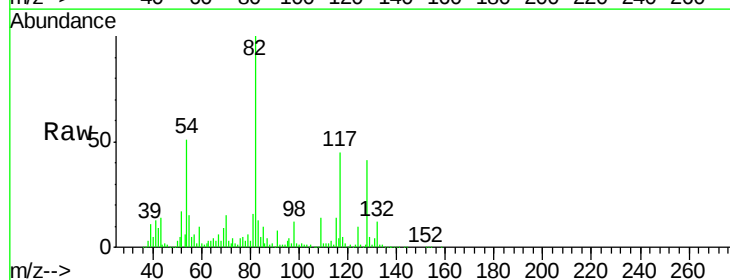
Instrument :
BNA_F
ClientSampled :
MW-18

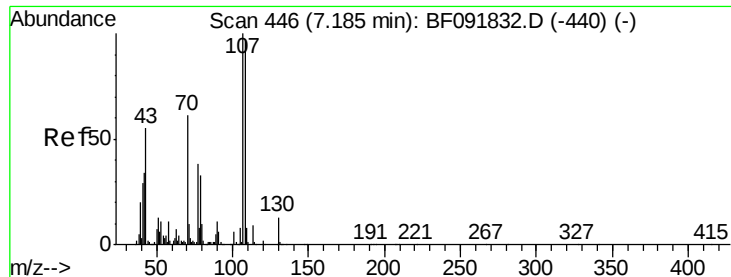
Tgt Ion: 45 Resp: 118449
Ion Ratio Lower Upper
45 100
77 9.9 0.0 34.6
79 16.4 0.0 31.2



#18
Hexachloroethane
Concen: 86.12 ng
RT: 7.32 min Scan# 458
Delta R.T. 0.06 min
Lab File: BF091884.D
Acq: 22 Dec 2016 14:25

Tgt Ion: 117 Resp: 683200
Ion Ratio Lower Upper
117 100
119 4.8 78.1 117.1#
201 0.0 78.6 117.8#

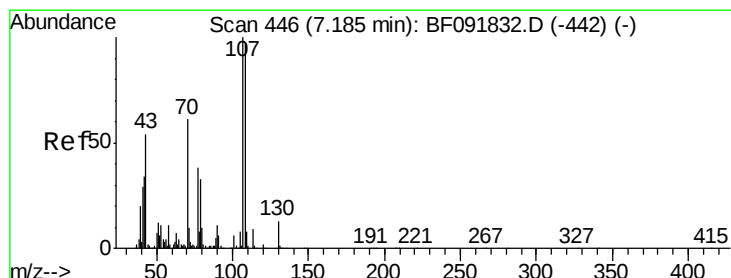
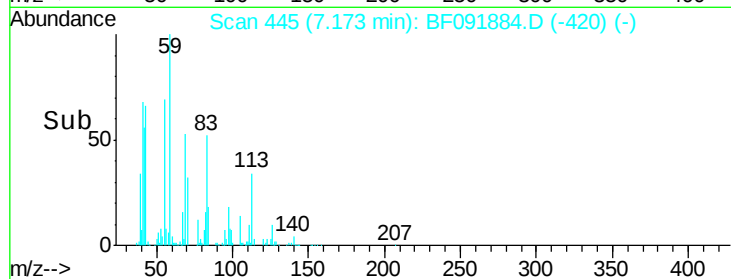
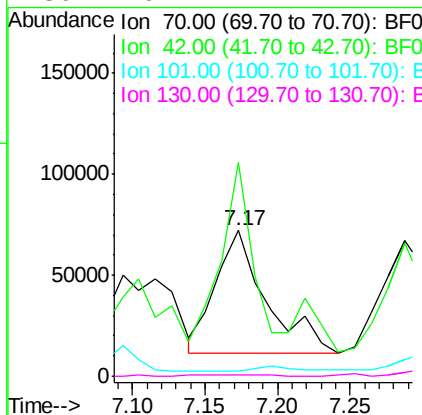
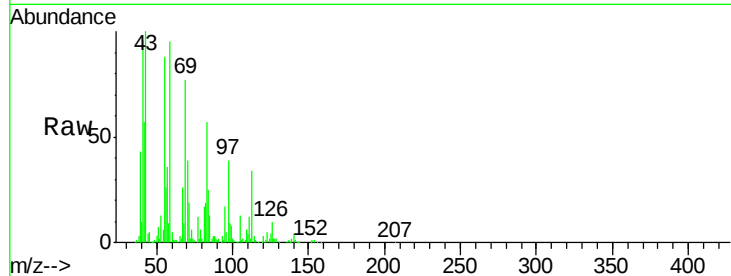




#19
n-Nitroso-di-n-propylamine
Concen: 10.51 ng
RT: 7.17 min Scan# 445
Delta R.T. -0.01 min
Lab File: BF091884.D
Acq: 22 Dec 2016 14:25

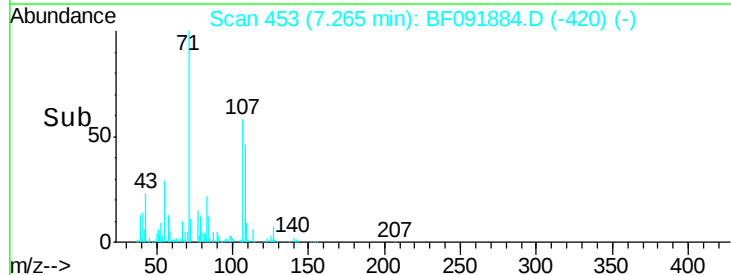
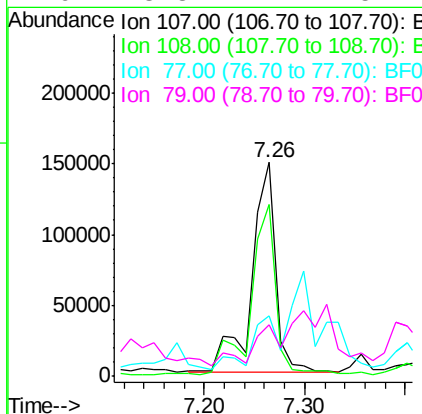
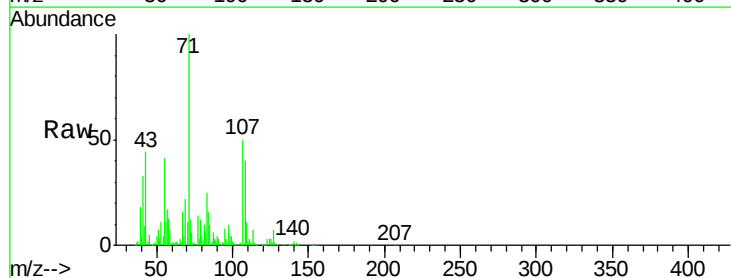
Instrument :
BNA_F
ClientSampleId :
MW-18

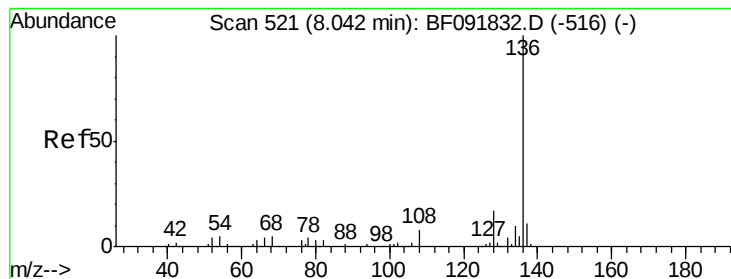
Tgt Ion: 70 Resp: 147839
Ion Ratio Lower Upper
70 100
42 146.6 49.4 74.0#
101 3.8 7.4 11.2#
130 0.7 14.2 21.4#



#20
3+4-Methylphenols
Concen: 13.25 ng
RT: 7.26 min Scan# 453
Delta R.T. 0.08 min
Lab File: BF091884.D
Acq: 22 Dec 2016 14:25

Tgt Ion: 107 Resp: 250317
Ion Ratio Lower Upper
107 100
108 80.2 73.0 113.0
77 28.3 71.3 111.3#
79 23.8 11.1 51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF091884.D

Acq: 22 Dec 2016 14:25

Instrument :

BNA_F

ClientSampleId :

MW-18

Tgt Ion:136 Resp: 955232

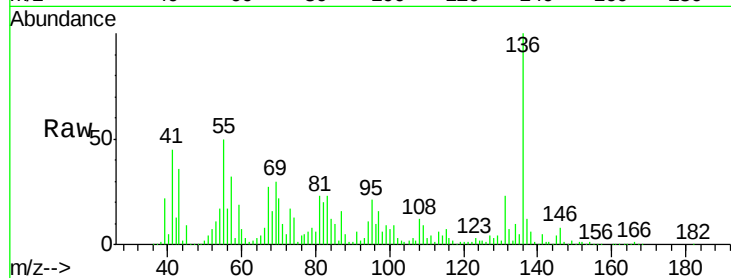
Ion Ratio Lower Upper

136 100

137 12.0 8.4 12.6

54 17.1 4.5 6.7#

68 15.8 3.6 5.4#



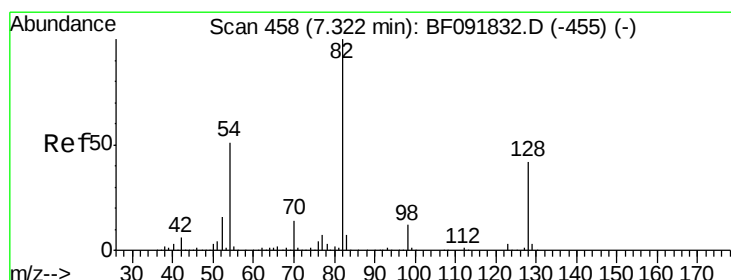
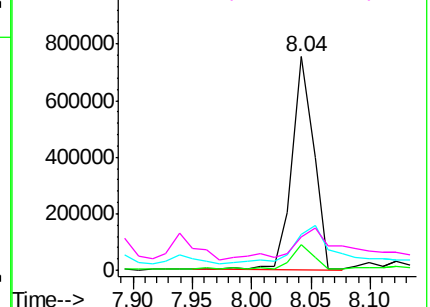
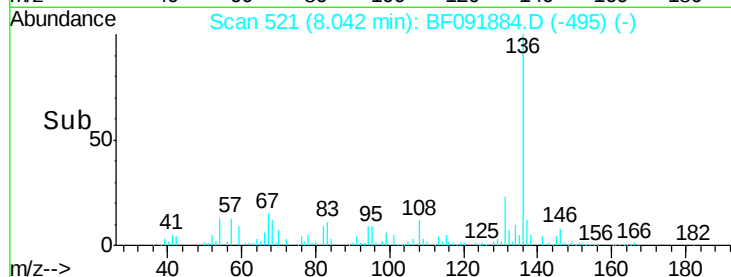
Abundance

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: 101.17 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.01 min

Lab File: BF091884.D

Acq: 22 Dec 2016 14:25

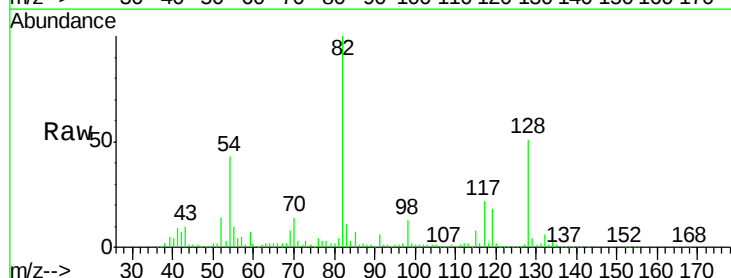
Tgt Ion: 82 Resp: 1737954

Ion Ratio Lower Upper

82 100

128 50.7 34.6 52.0

54 43.4 39.5 59.3

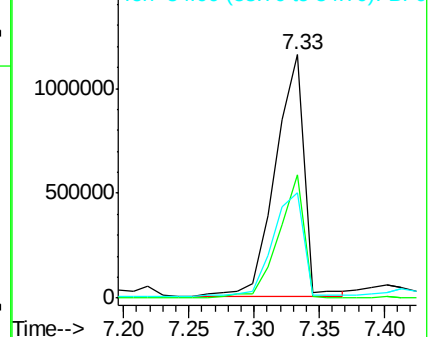
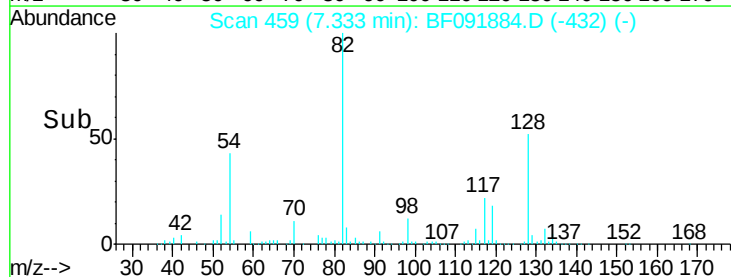


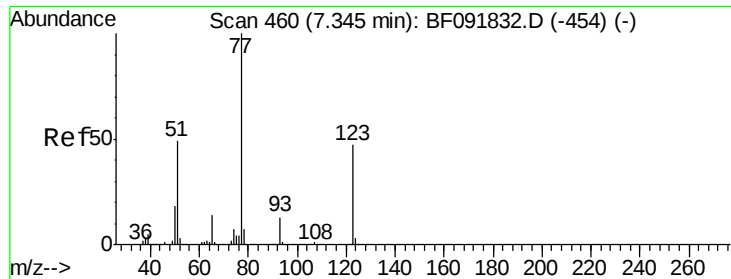
Abundance

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





#24

Nitrobenzene

Concen: 11.96 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF091884.D

Acq: 22 Dec 2016 14:25

Instrument :

BNA_F

ClientSampleId :

MW-18

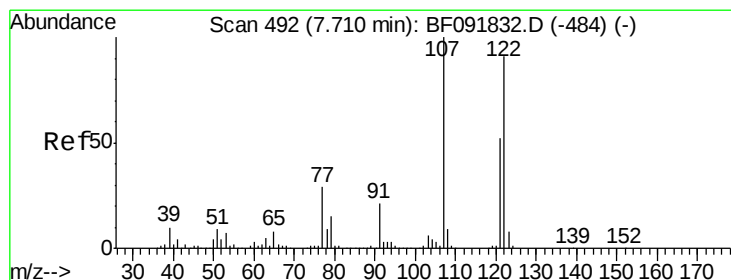
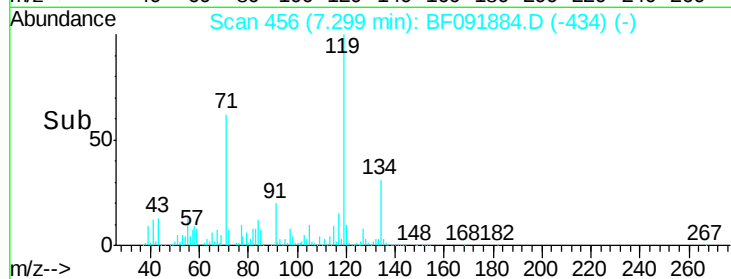
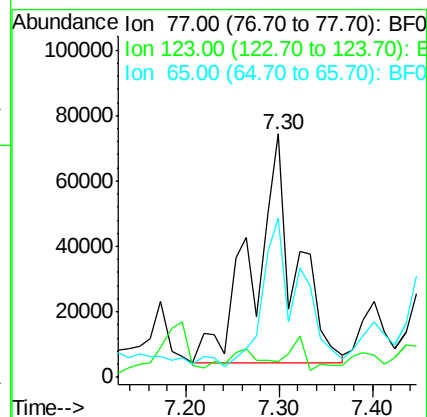
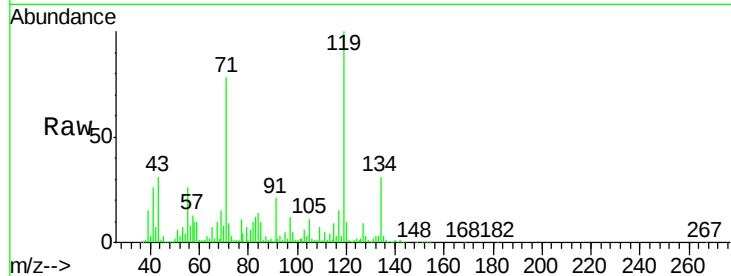
Tgt Ion: 77 Resp: 218782

Ion Ratio Lower Upper

77 100

123 6.3 33.0 49.4#

65 65.1 11.2 16.8#



#27

2,4-Dimethylphenol

Concen: 8.24 ng

RT: 7.78 min Scan# 498

Delta R.T. 0.07 min

Lab File: BF091884.D

Acq: 22 Dec 2016 14:25

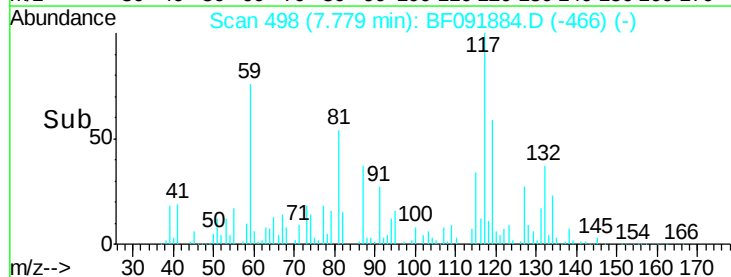
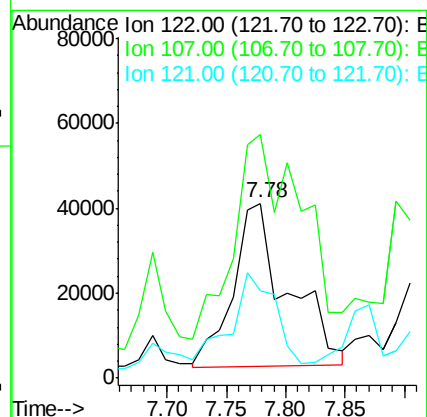
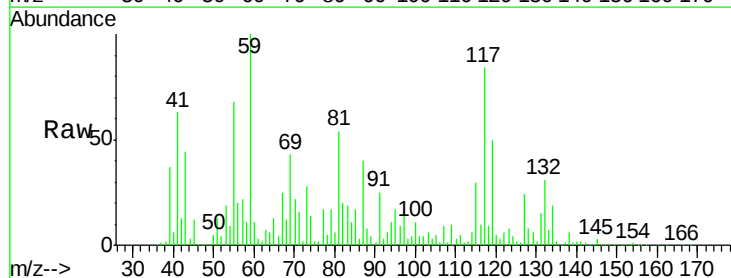
Tgt Ion: 122 Resp: 123311

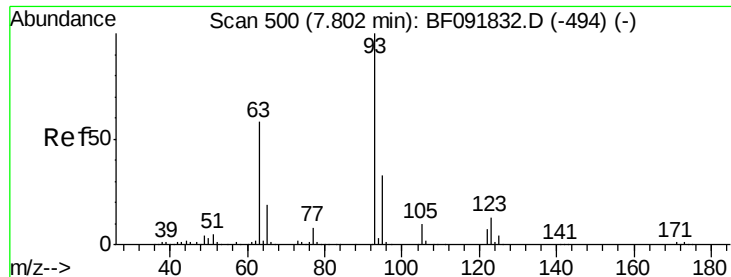
Ion Ratio Lower Upper

122 100

107 139.1 94.1 141.1

121 50.3 46.0 69.0

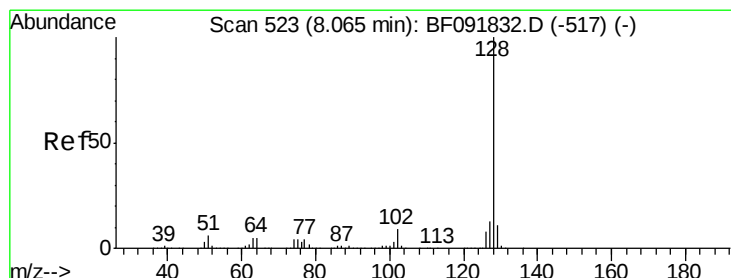
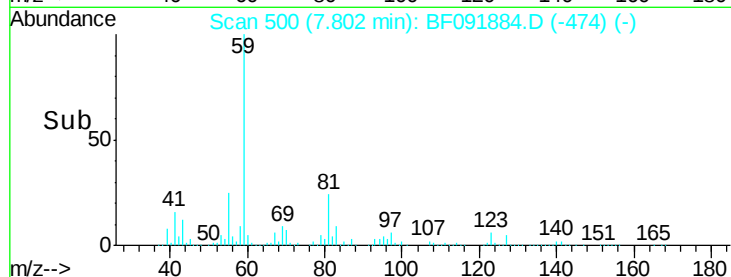
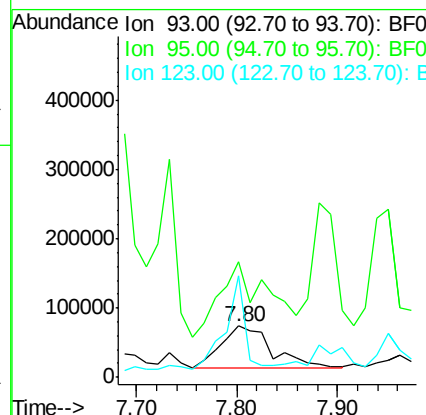
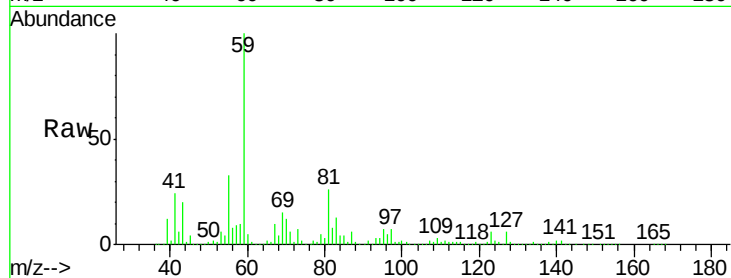




#28
bis(2-Chloroethoxy)methane
Concen: 10.94 ng
RT: 7.80 min Scan# 500
Delta R.T. -0.00 min
Lab File: BF091884.D
Acq: 22 Dec 2016 14:25

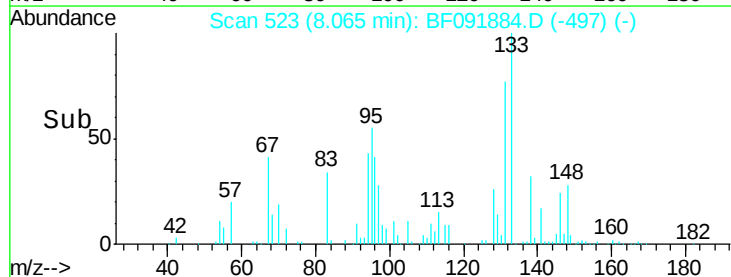
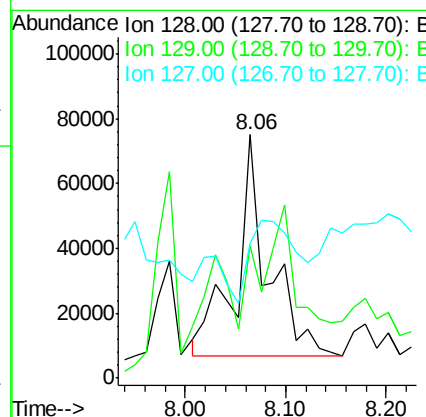
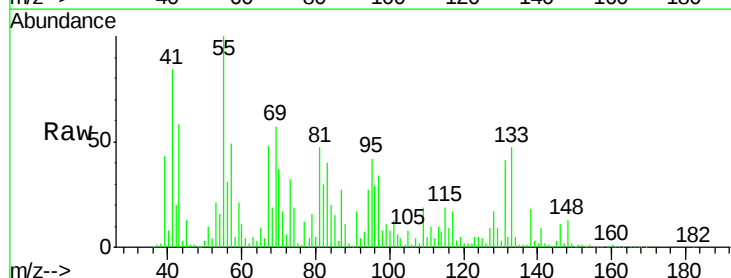
Instrument :
BNA_F
ClientSampleId :
MW-18

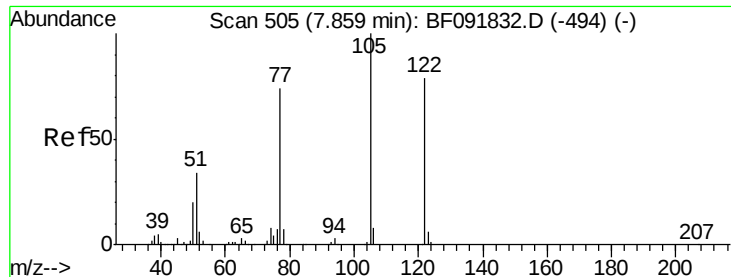
Tgt Ion: 93 Resp: 210319
Ion Ratio Lower Upper
93 100
95 224.0 26.5 39.7#
123 197.4 8.6 13.0#



#31
Naphthalene
Concen: 3.45 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.00 min
Lab File: BF091884.D
Acq: 22 Dec 2016 14:25

Tgt Ion: 128 Resp: 150801
Ion Ratio Lower Upper
128 100
129 54.5 9.5 14.3#
127 55.4 10.8 16.2#





#32

Benzoic acid

Concen: 5.86 ng

RT: 7.92 min Scan# 510

Delta R.T. 0.06 min

Lab File: BF091884.D

Acq: 22 Dec 2016 14:25

Instrument :

BNA_F

ClientSampleId :

MW-18

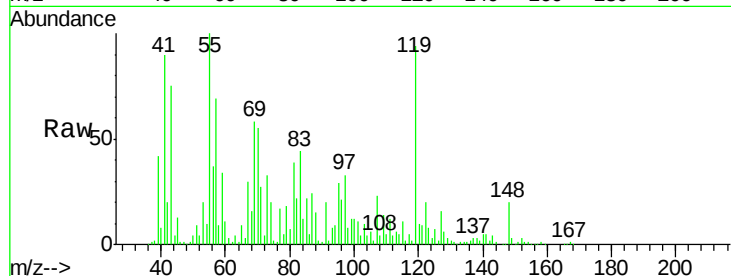
Tgt Ion:122 Resp: 65006

Ion Ratio Lower Upper

122 100

105 31.7 107.2 147.2#

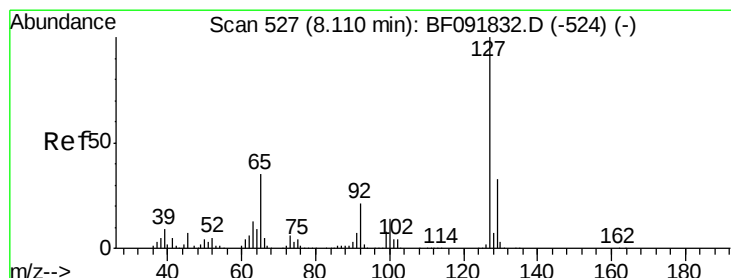
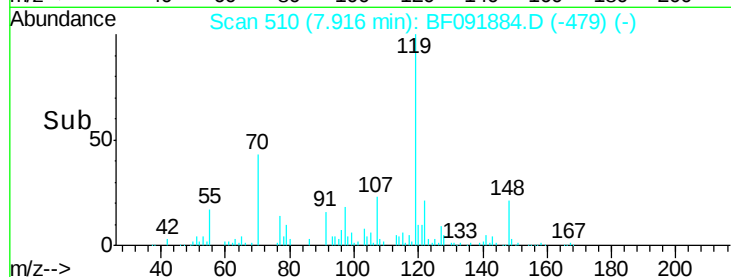
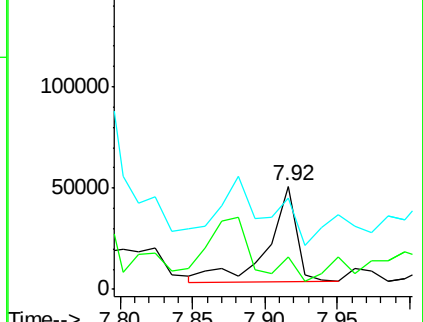
77 88.5 74.5 114.5



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



#33

4-Chloroaniline

Concen: 4.20 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.03 min

Lab File: BF091884.D

Acq: 22 Dec 2016 14:25

Tgt Ion:127 Resp: 82755

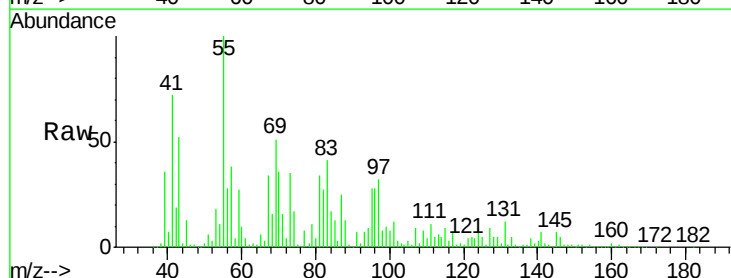
Ion Ratio Lower Upper

127 100

129 54.4 26.3 39.5#

65 66.0 25.8 38.8#

92 18.5 16.1 24.1

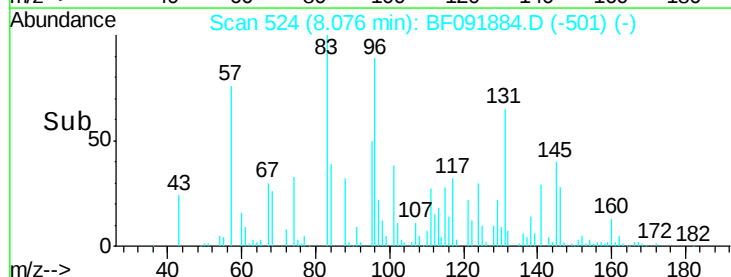
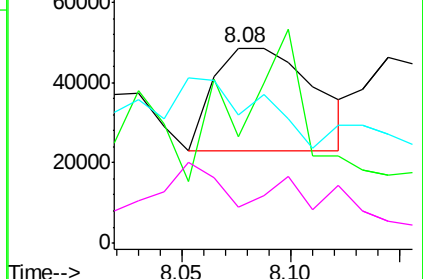


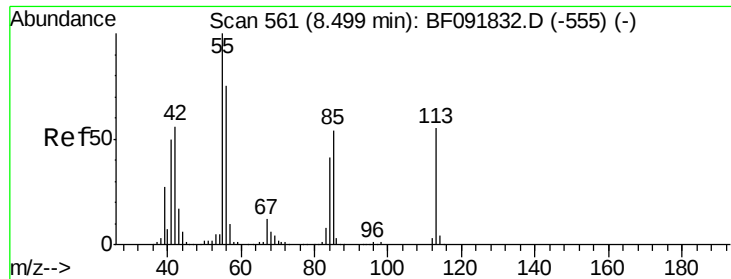
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#35

Caprolactam

Concen: 38.81 ng

RT: 8.48 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF091884.D

Acq: 22 Dec 2016 14:25

Instrument :

BNA_F

ClientSampleId :

MW-18

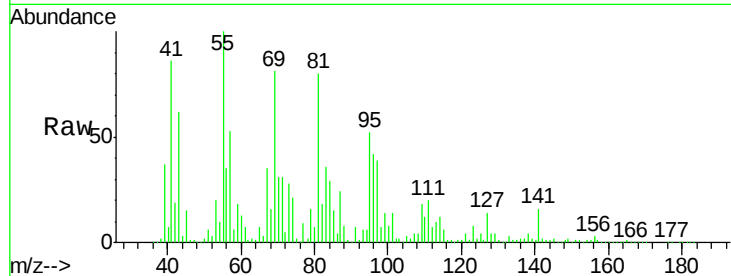
Tgt Ion:113 Resp: 161628

Ion Ratio Lower Upper

113 100

55 1006.7 119.2 159.2#

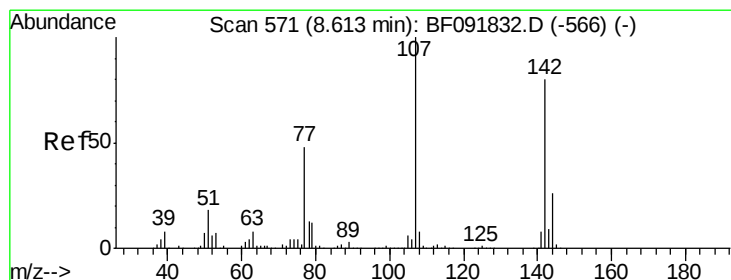
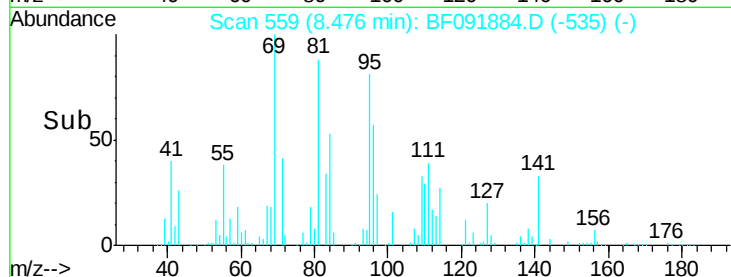
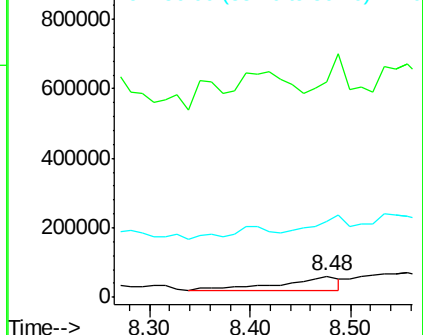
56 355.8 83.8 123.8#



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



#36

4-Chloro-3-methylphenol

Concen: 5.85 ng

RT: 8.53 min Scan# 564

Delta R.T. -0.08 min

Lab File: BF091884.D

Acq: 22 Dec 2016 14:25

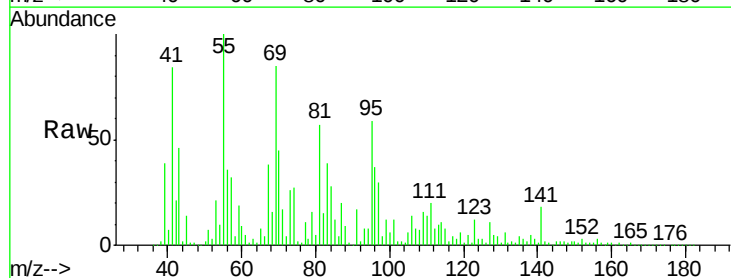
Tgt Ion:107 Resp: 85270

Ion Ratio Lower Upper

107 100

144 3.6 19.3 28.9#

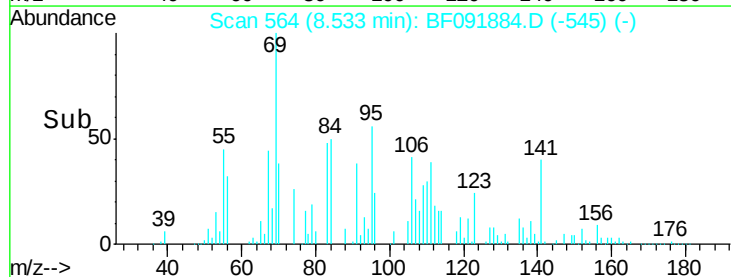
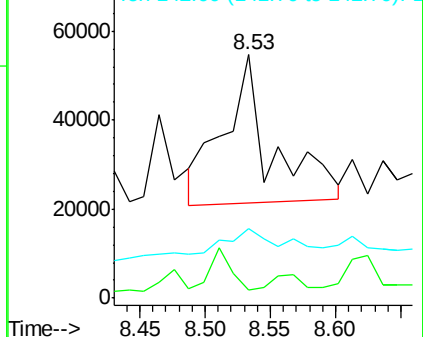
142 28.3 59.0 88.6#

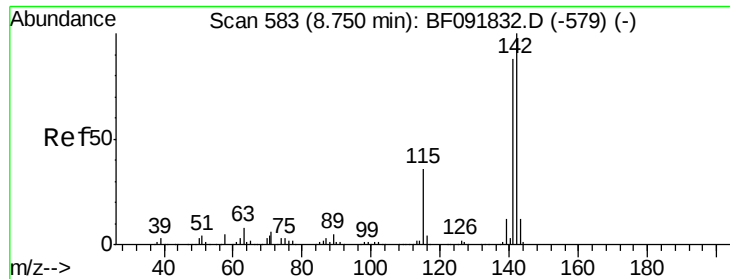


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

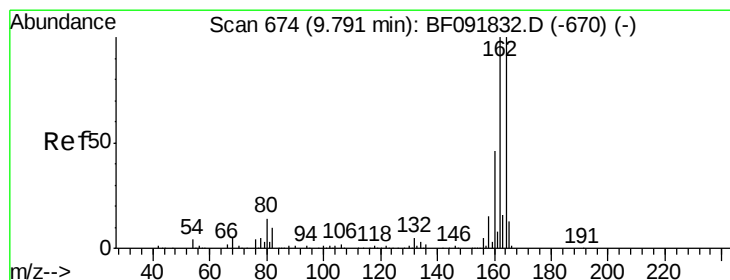
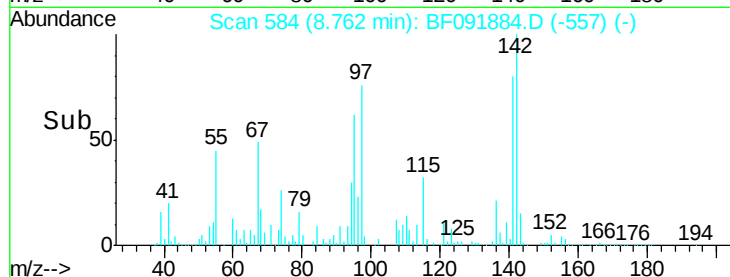
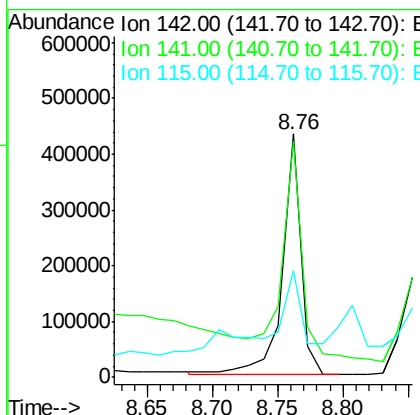
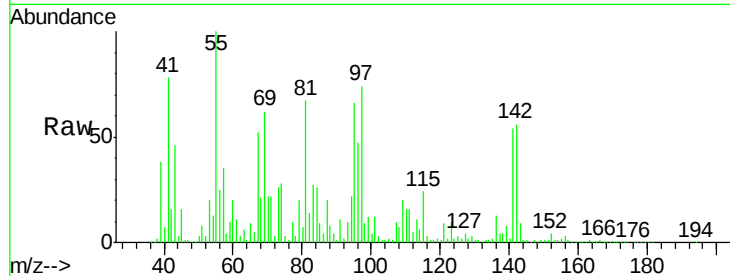




#37
 2-Methylnaphthalene
 Concen: 12.76 ng
 RT: 8.76 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: BF091884.D
 Acq: 22 Dec 2016 14:25

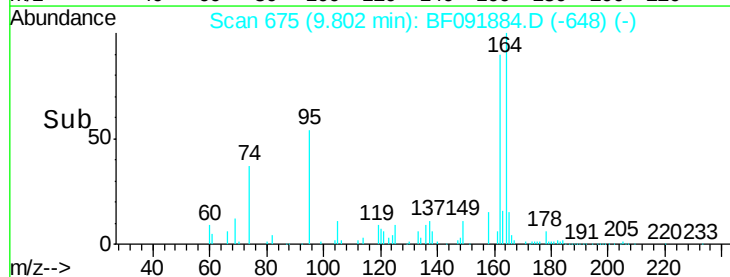
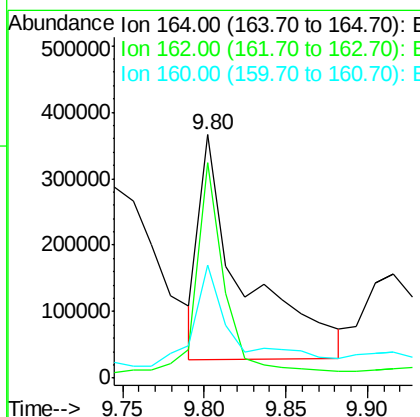
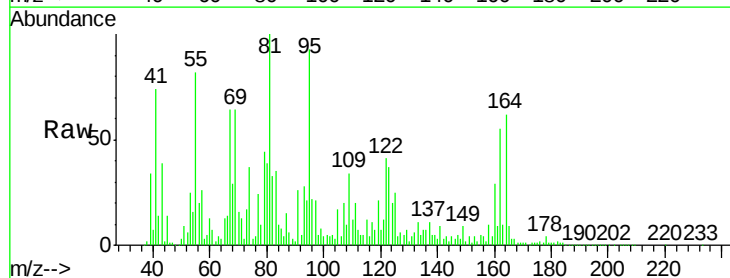
Instrument :
 BNA_F
 ClientSampled :
 MW-18

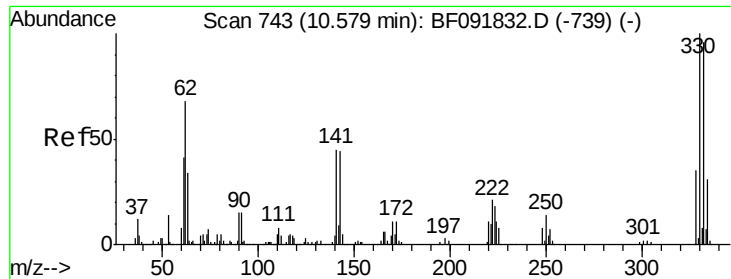
Tgt Ion:142 Resp: 432396
 Ion Ratio Lower Upper
 142 100
 141 97.1 71.0 106.6
 115 43.6 28.3 42.5#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. 0.01 min
 Lab File: BF091884.D
 Acq: 22 Dec 2016 14:25

Tgt Ion:164 Resp: 645719
 Ion Ratio Lower Upper
 164 100
 162 88.3 80.2 120.2
 160 46.5 36.9 55.3

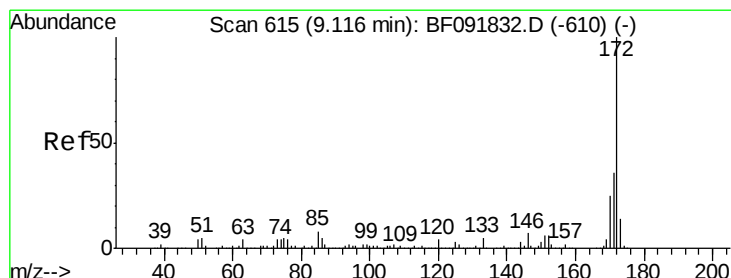
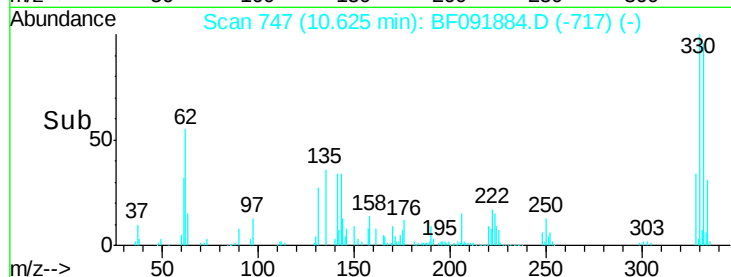
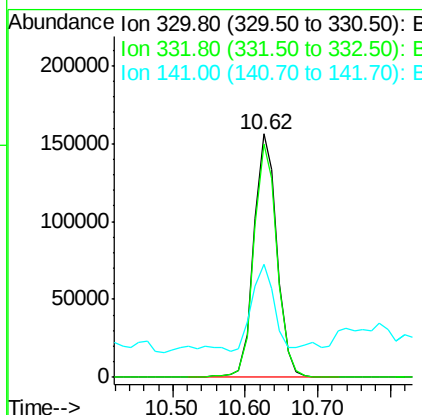
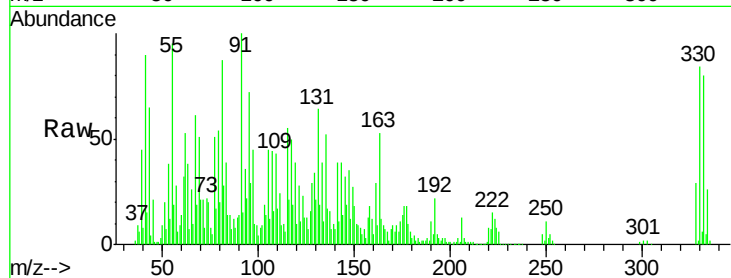




#41
 2,4,6-Tribromophenol
 Concen: 65.52 ng
 RT: 10.62 min Scan# 747
 Delta R.T. 0.05 min
 Lab File: BF091884.D
 Acq: 22 Dec 2016 14:25

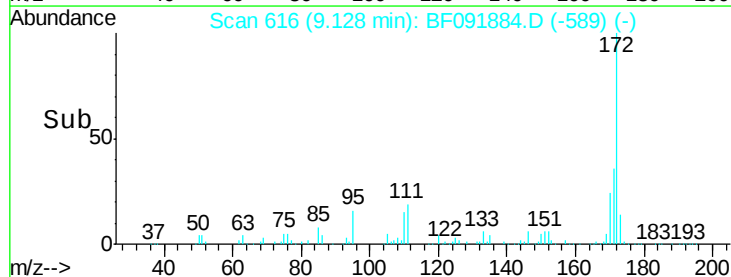
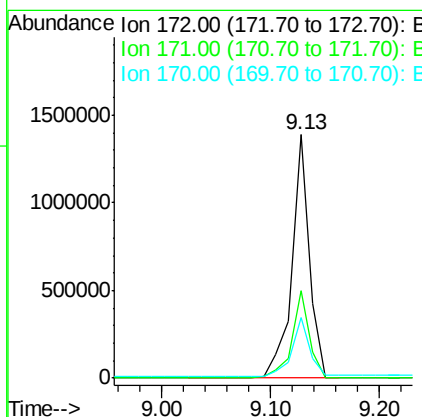
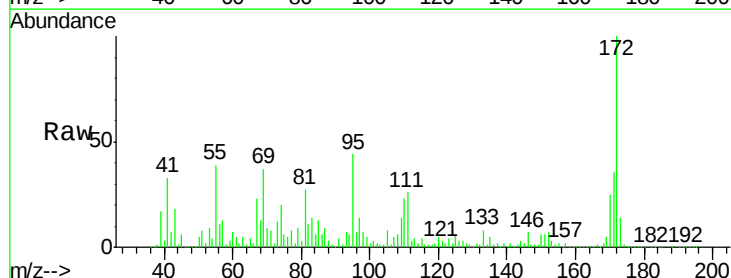
Instrument :
 BNA_F
 ClientSampleId :
 MW-18

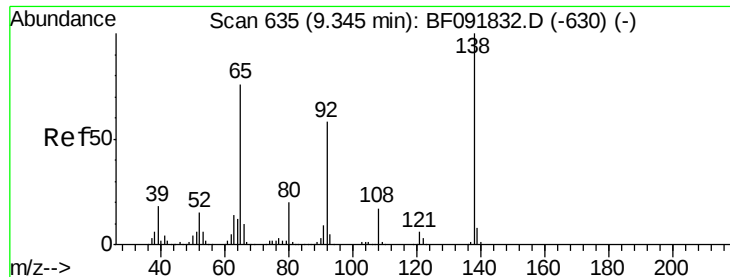
Tgt Ion:330 Resp: 350118
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.2
 141 34.1 34.1 51.1



#44
 2-Fluorobiphenyl
 Concen: 43.37 ng
 RT: 9.13 min Scan# 616
 Delta R.T. 0.01 min
 Lab File: BF091884.D
 Acq: 22 Dec 2016 14:25

Tgt Ion:172 Resp: 1565780
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.8 20.2 30.4

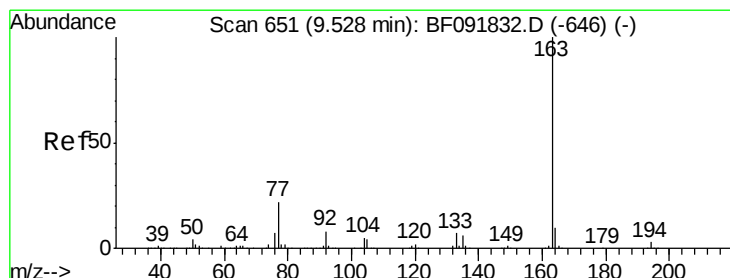
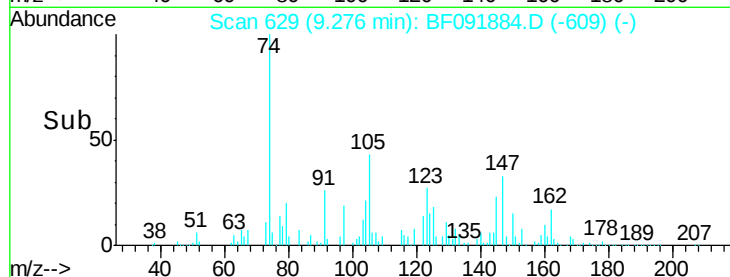
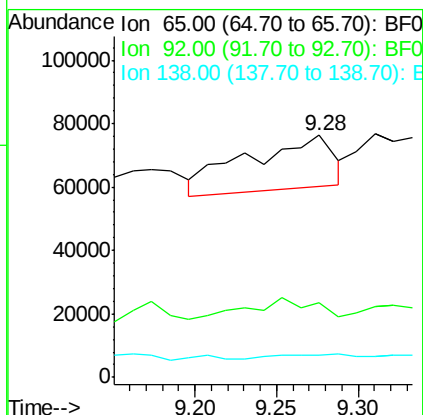
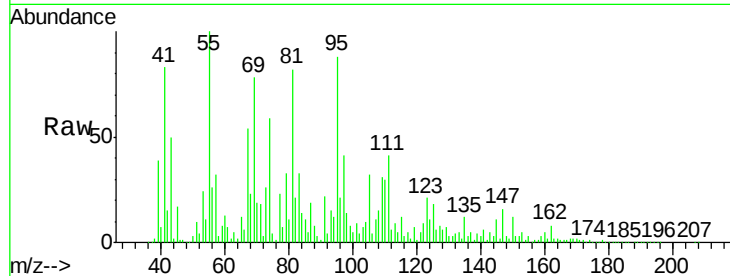




#47
2-Nitroaniline
Concen: 4.98 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.07 min
Lab File: BF091884.D
Acq: 22 Dec 2016 14:25

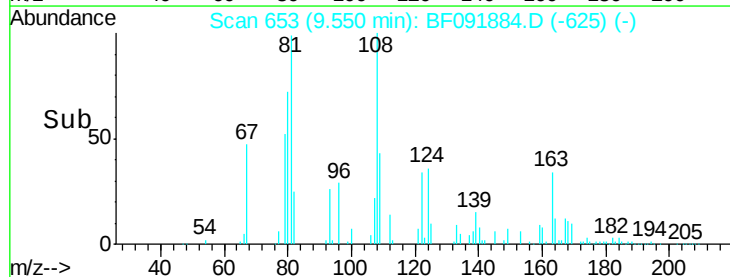
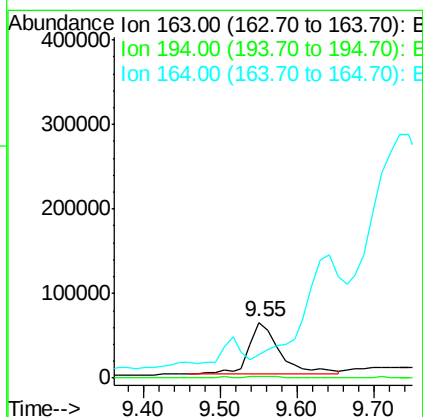
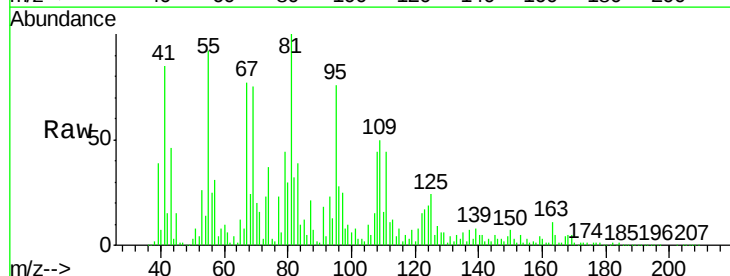
Instrument :
BNA_F
ClientSampleId :
MW-18

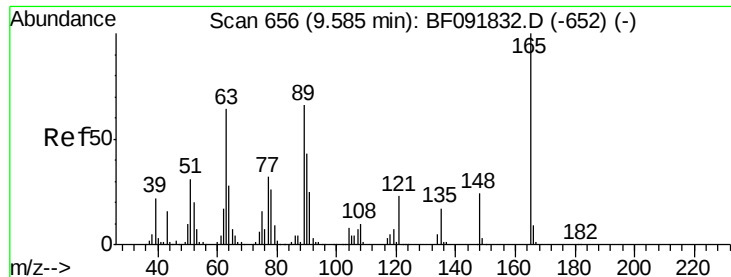
Tgt Ion: 65 Resp: 62066
Ion Ratio Lower Upper
65 100
92 30.6 53.9 80.9#
138 9.2 76.8 115.2#



#49
Dimethylphthalate
Concen: 4.19 ng
RT: 9.55 min Scan# 653
Delta R.T. 0.02 min
Lab File: BF091884.D
Acq: 22 Dec 2016 14:25

Tgt Ion: 163 Resp: 172926
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.4
164 41.6 8.0 12.0#

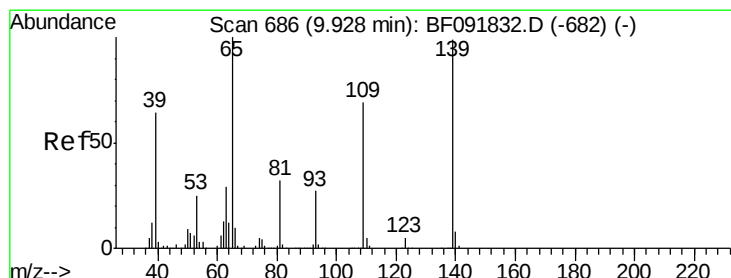
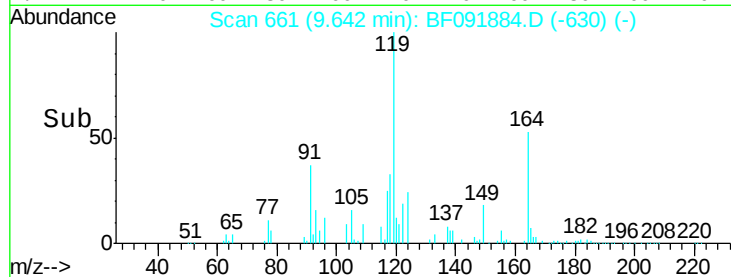
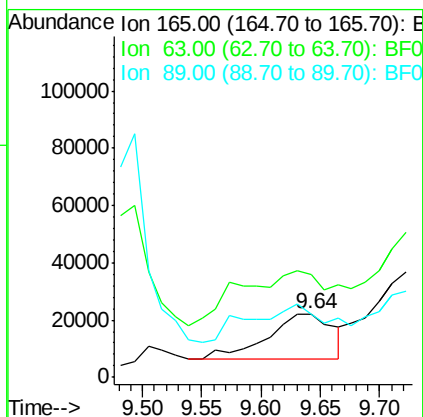
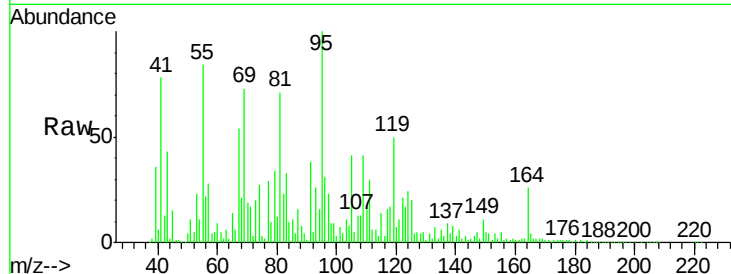




#50
 2,6-Dinitrotoluene
 Concen: 6.75 ng
 RT: 9.64 min Scan# 661
 Delta R.T. 0.06 min
 Lab File: BF091884.D
 Acq: 22 Dec 2016 14:25

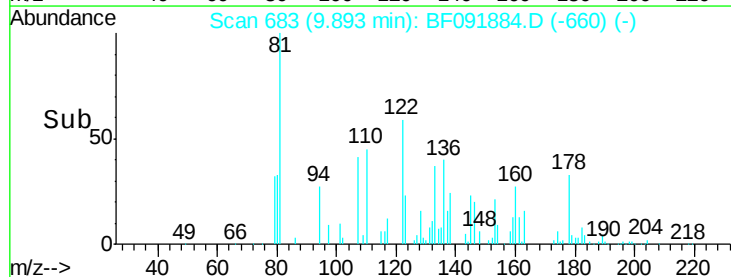
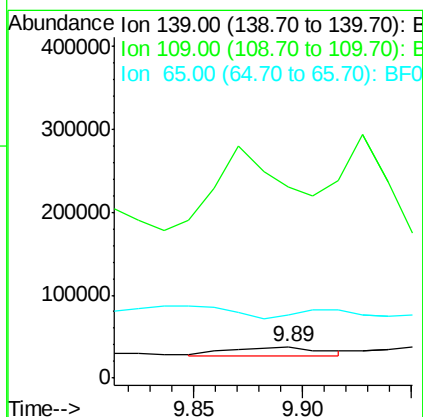
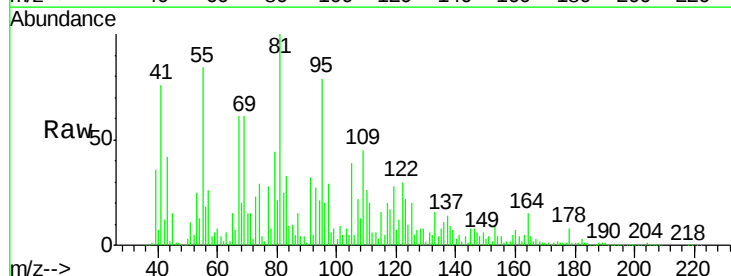
Instrument :
 BNA_F
 ClientSampleId :
 MW-18

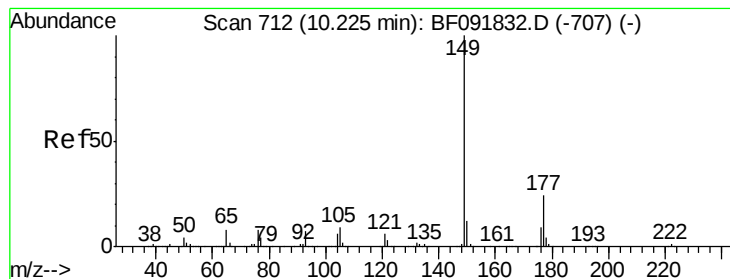
Tgt Ion:165 Resp: 60998
 Ion Ratio Lower Upper
 165 100
 63 161.0 36.2 54.4#
 89 100.0 40.2 60.4#



#55
 4-Nitrophenol
 Concen: 4.29 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.03 min
 Lab File: BF091884.D
 Acq: 22 Dec 2016 14:25

Tgt Ion:139 Resp: 32596
 Ion Ratio Lower Upper
 139 100
 109 612.0 52.2 92.2#
 65 202.0 85.8 125.8#





#59

Diethylphthalate

Concen: 3.18 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.00 min

Lab File: BF091884.D

Acq: 22 Dec 2016 14:25

Instrument :

BNA_F

ClientSampleId :

MW-18

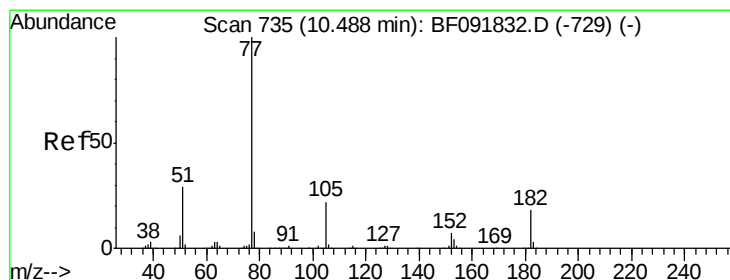
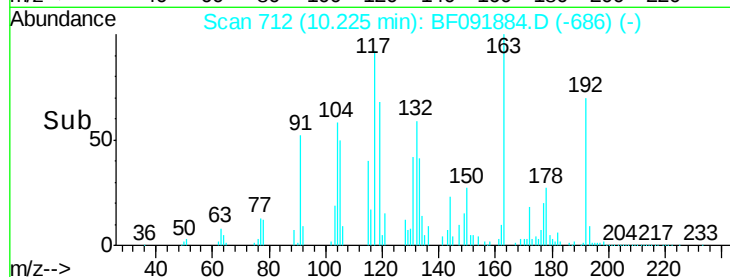
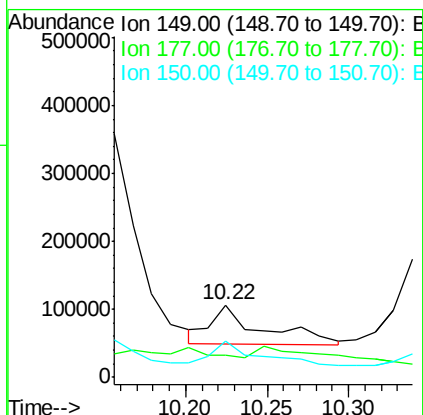
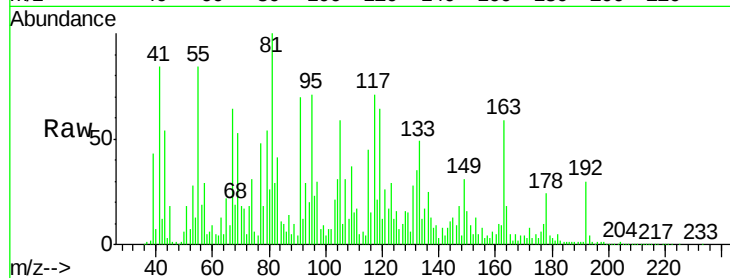
Tgt Ion: 149 Resp: 127533

Ion Ratio Lower Upper

149 100

177 31.1 16.6 25.0#

150 49.9 10.4 15.6#



#62

Azobenzene

Concen: 2.78 ng

RT: 10.52 min Scan# 738

Delta R.T. 0.03 min

Lab File: BF091884.D

Acq: 22 Dec 2016 14:25

Tgt Ion: 77 Resp: 122690

Ion Ratio Lower Upper

77 100

182 4.2 0.0 39.3

105 92.1 2.3 42.3#

51 51.3 8.9 48.9#

