

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
 Data File : BF087781.D
 Acq On : 7 Jun 2016 7:59
 Operator : UM/SJ
 Sample : H3349-16RE
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-31

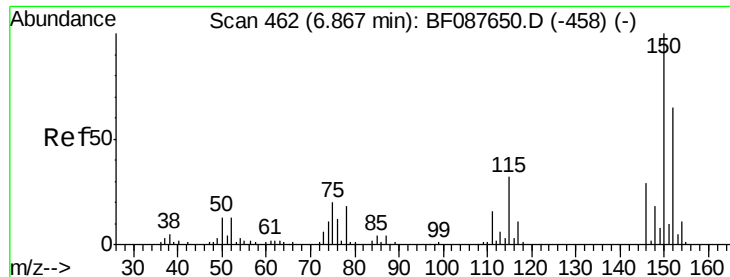
Quant Time: Jun 07 08:26:39 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	97439	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	383165	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	150977	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	244138	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	185744	20.00	ng	-0.02
86) Perylene-d12	15.43	264	149659	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	362686	60.16	ng	-0.01
7) Phenol-d6	6.48	99	285721	37.79	ng	-0.01
23) Nitrobenzene-d5	7.42	82	496817	75.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	211949	139.85	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1024088	120.62	ng	-0.01
78) Terphenyl-d14	12.96	244	694702	91.26	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.12	42	6808	2.09	ng	# 1
15) Benzyl Alcohol	7.00	79	16019	2.87	ng	# 51
17) 2-Methylphenol	7.11	107	12617	2.27	ng	# 87
18) Hexachloroethane	7.43	117	75225	28.86	ng	# 21
19) n-Nitroso-di-n-propylamine	7.24	70	9591	2.03	ng	# 60
20) 3+4-Methylphenols	7.26	107	28816	4.22	ng	# 79
22) Acetophenone	7.26	105	24544	2.83	ng	# 78
24) Nitrobenzene	7.39	77	15039	2.27	ng	# 18
31) Naphthalene	8.16	128	106331	5.71	ng	# 98
32) Benzoic acid	7.93	122	86433	22.45	ng	# 94
33) 4-Chloroaniline	8.16	127	17073	2.11	ng	# 39
37) 2-Methylnaphthalene	8.84	142	79230	6.44	ng	# 95
49) Dimethylphthalate	9.61	163	76962	7.01	ng	# 100
50) 2,6-Dinitrotoluene	9.42	165	6026	2.41	ng	# 90
52) 3-Nitroaniline	9.75	138	30935	10.83	ng	# 27
53) 2,4-Dinitrophenol	9.99	184	222	4.06	ng	# 1
60) 4-Chlorophenyl-phenylether	10.57	204	607	Below Cal		# 1
64) 4,6-Dinitro-2-methylphenol	10.51	198	249	2.19	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	12874	5.32	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.02 min

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ClientSampleId :

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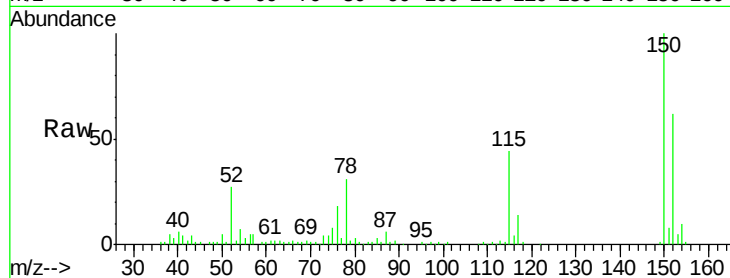
Tgt Ion:152 Resp: 97439

Ion Ratio Lower Upper

152 100

150 161.1 123.8 185.6

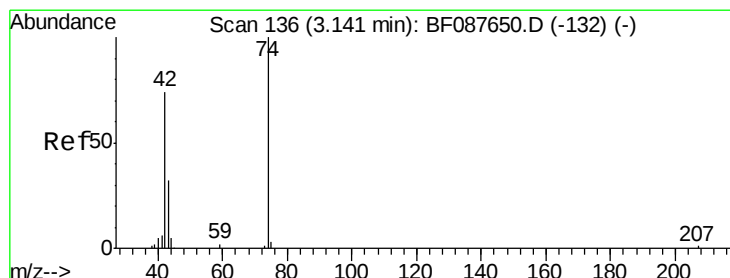
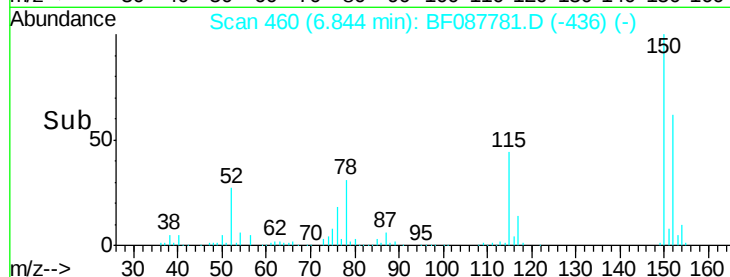
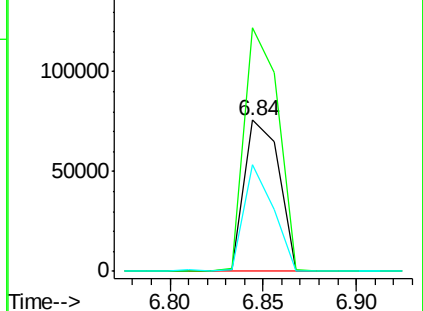
115 70.5 39.6 59.4#



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



#4

n-Nitrosodimethylamine

Concen: 2.09 ng

RT: 3.12 min Scan# 134

Delta R.T. -0.02 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

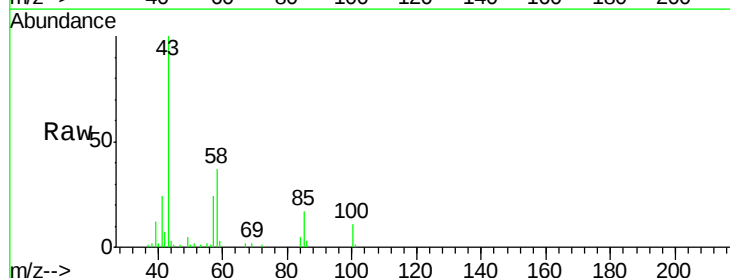
Tgt Ion: 42 Resp: 6808

Ion Ratio Lower Upper

42 100

74 0.0 108.6 163.0#

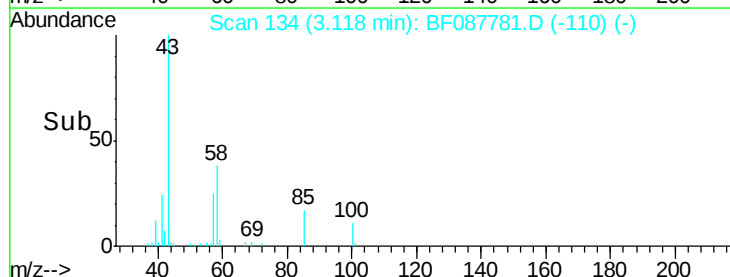
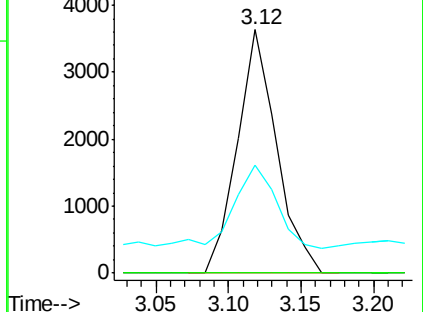
44 44.6 5.5 8.3#

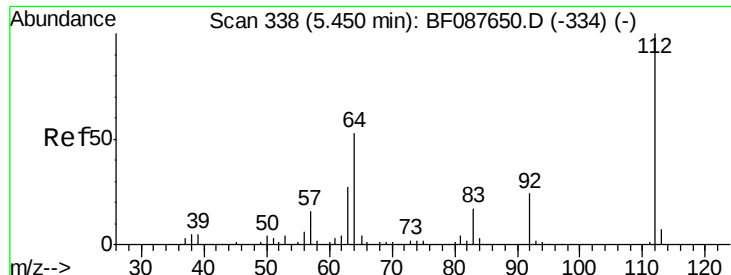


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 60.16 ng

RT: 5.44 min Scan# 337

Delta R.T. -0.01 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

Instrument :

BNA_F

ClientSampleId :

W-31

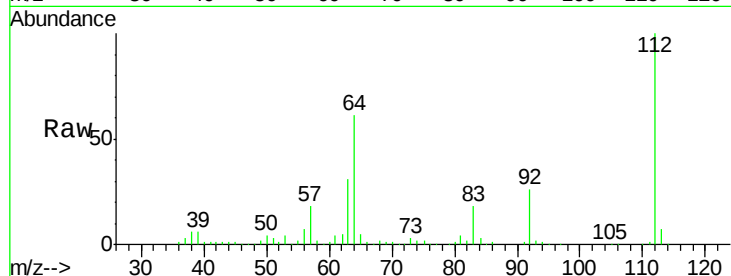
Tgt Ion: 112 Resp: 362686

Ion Ratio Lower Upper

112 100

64 60.6 42.2 63.2

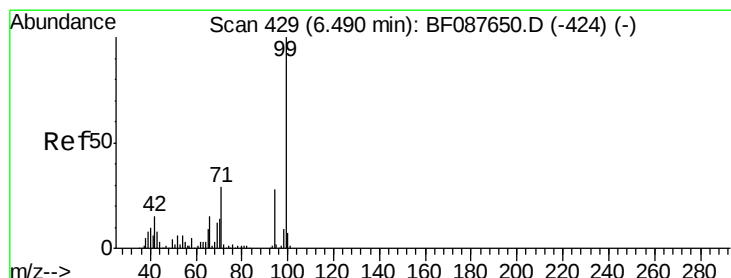
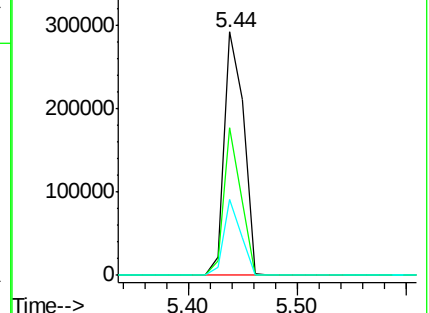
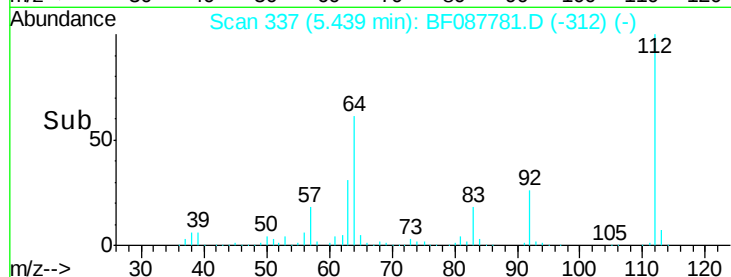
63 31.3 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 37.79 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.01 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

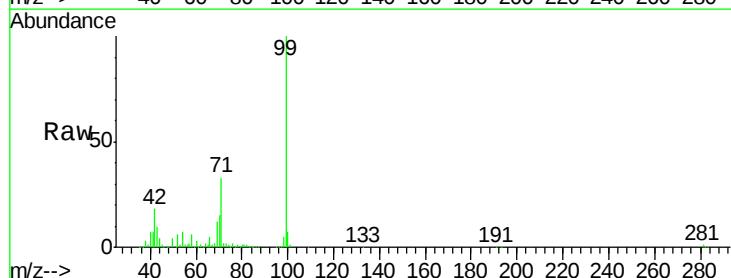
Tgt Ion: 99 Resp: 285721

Ion Ratio Lower Upper

99 100

42 17.9 12.2 18.2

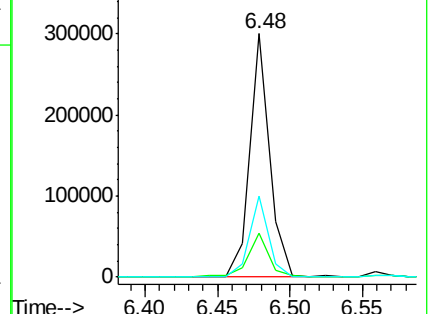
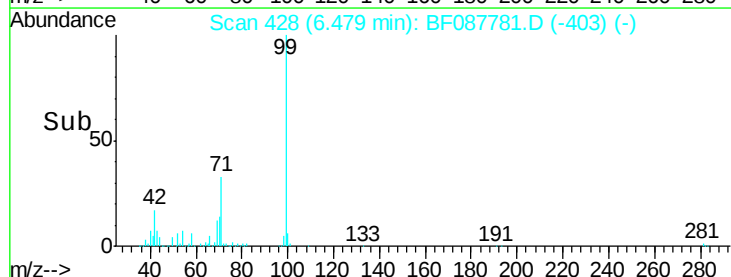
71 33.0 23.4 35.0

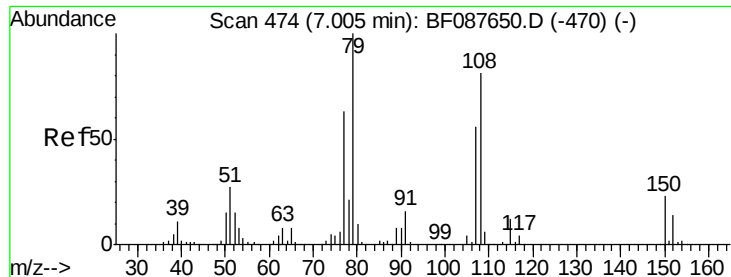


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.87 ng

RT: 7.00 min Scan# 474

Delta R.T. -0.00 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

Instrument :

BNA_F

ClientSampleId :

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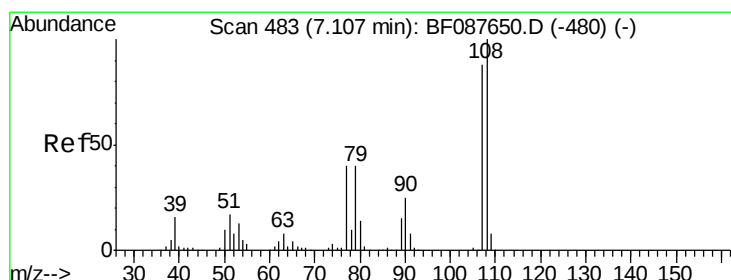
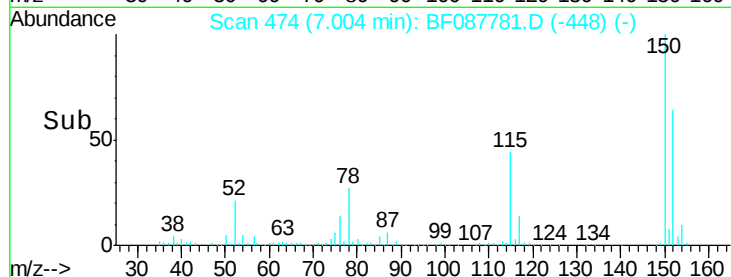
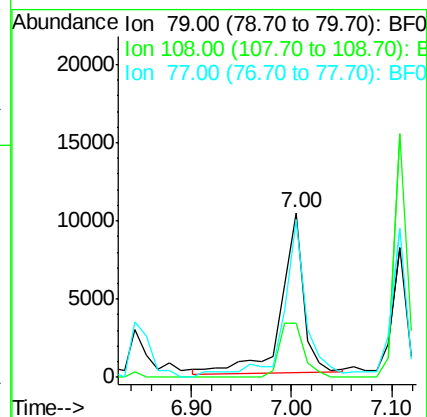
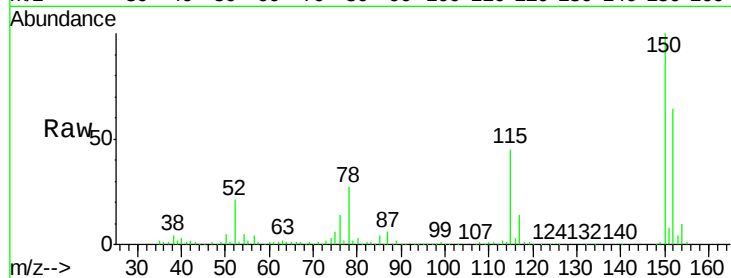
Tgt Ion: 79 Resp: 16019

Ion Ratio Lower Upper

79 100

108 32.7 65.0 97.6#

77 95.8 50.3 75.5#



#17

2-Methylphenol

Concen: 2.27 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.00 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

Tgt Ion: 107 Resp: 12617

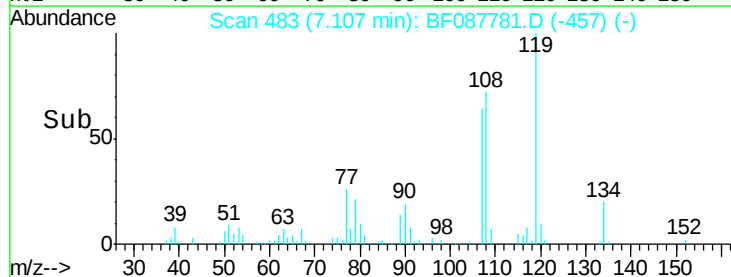
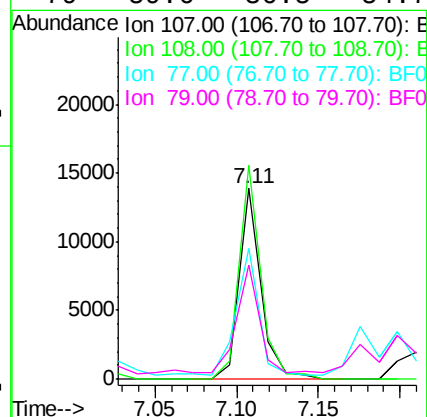
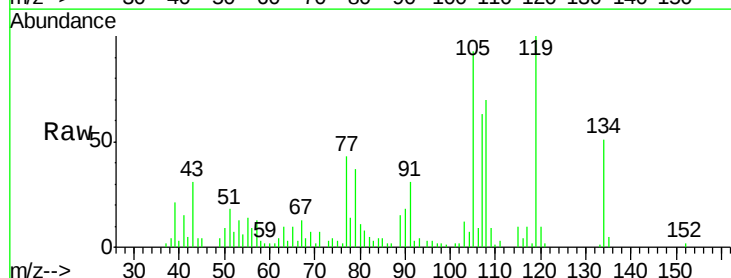
Ion Ratio Lower Upper

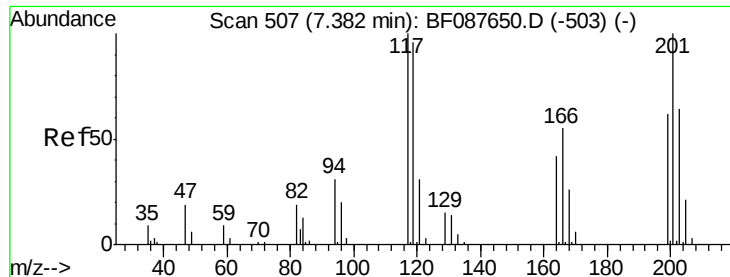
107 100

108 112.2 90.9 136.3

77 68.5 36.6 55.0#

79 59.6 36.5 54.7#





#18

Hexachloroethane

Concen: 28.86 ng

RT: 7.43 min Scan# 511

Delta R.T. 0.05 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

Instrument :

BNA_F

ClientSampled :

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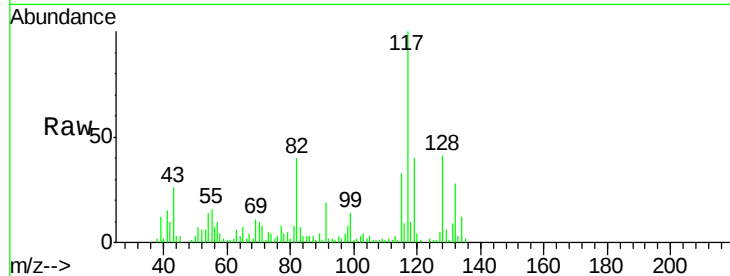
Tgt Ion:117 Resp: 75225

Ion Ratio Lower Upper

117 100

119 40.4 77.4 116.2#

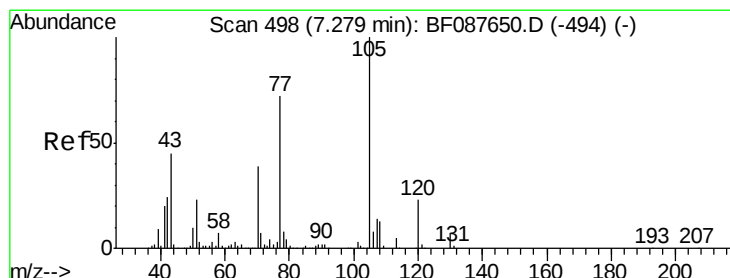
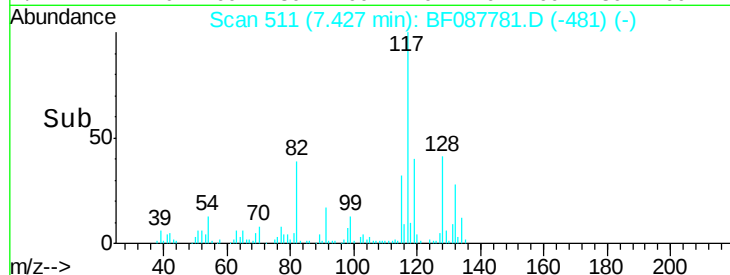
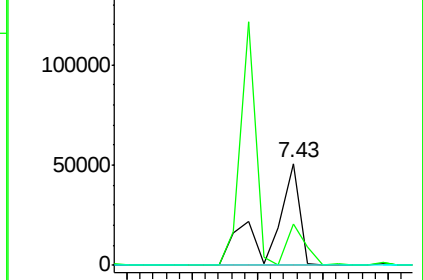
201 0.0 80.4 120.6#



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.03 ng

RT: 7.24 min Scan# 495

Delta R.T. -0.03 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

Tgt Ion: 70 Resp: 9591

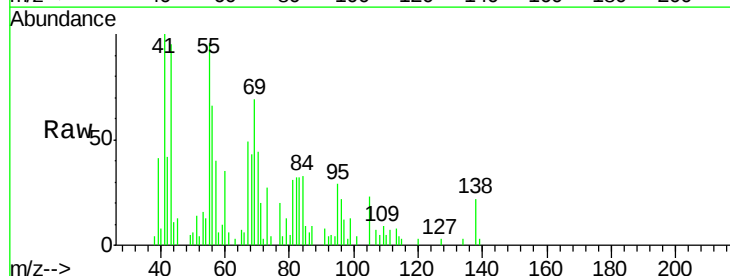
Ion Ratio Lower Upper

70 100

42 96.4 49.6 74.4#

101 9.3 7.1 10.7

130 0.0 15.4 23.2#

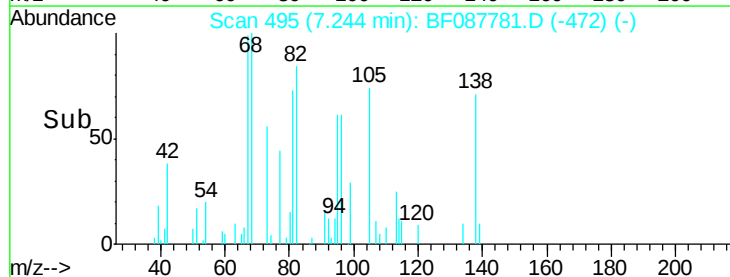
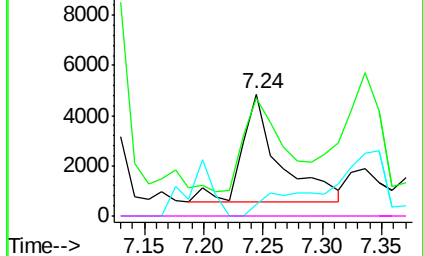


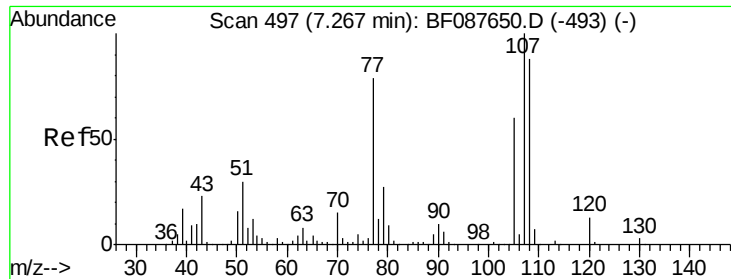
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

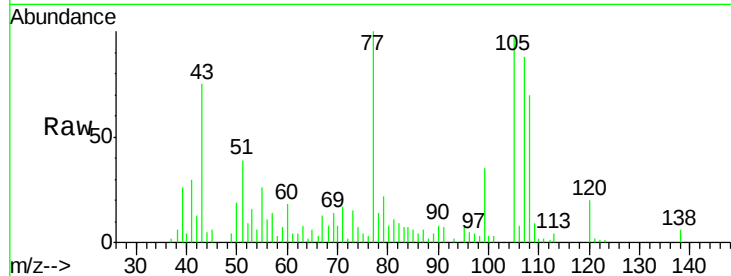




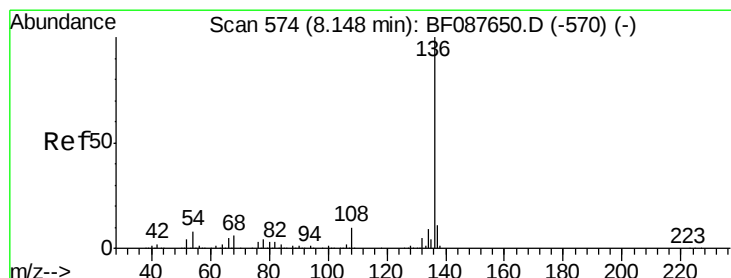
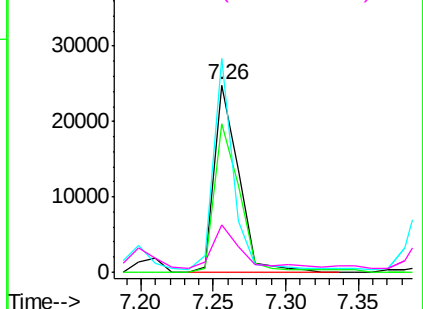
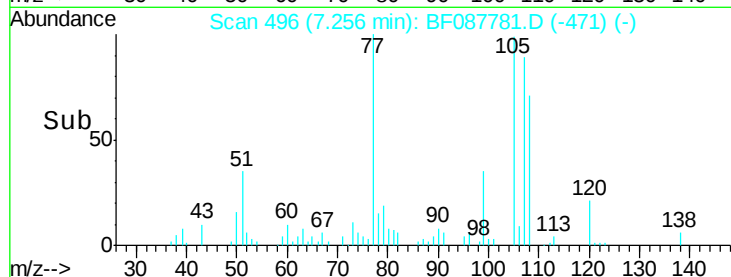
#20
3+4-Methylphenols
Concen: 4.22 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.01 min
Lab File: BF087781.D
Acq: 7 Jun 2016 7:59

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BNA_F
ClientSampleId :
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Tgt Ion:107 Resp: 28816
Ion Ratio Lower Upper
107 100
108 79.8 67.8 107.8
77 114.2 59.3 99.3#
79 25.1 7.0 47.0

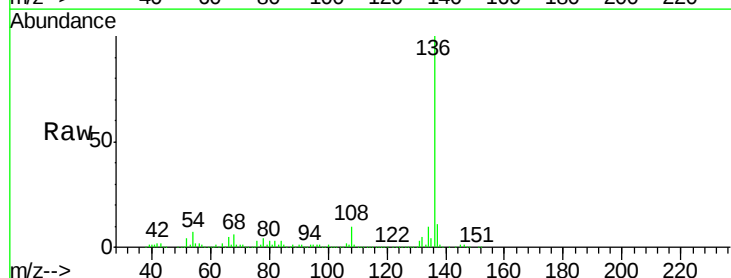


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

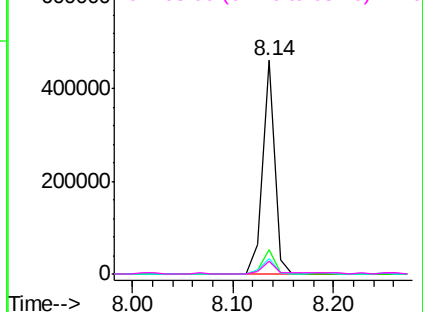
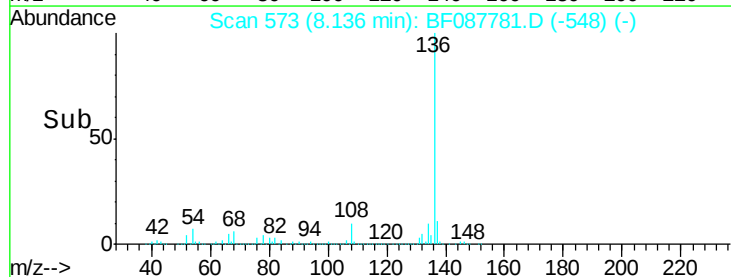


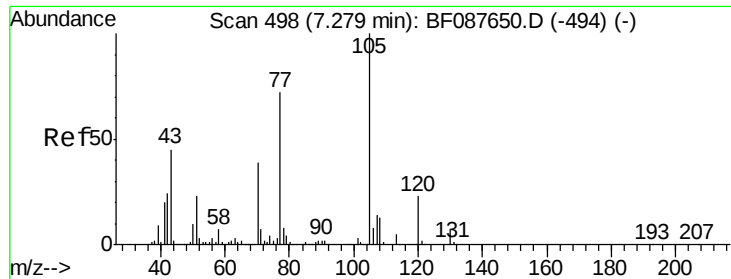
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF087781.D
Acq: 7 Jun 2016 7:59

Tgt Ion:136 Resp: 383165
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 7.5 6.6 10.0
68 6.1 5.1 7.7



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





#22

Acetophenone

Concen: 2.83 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 105 Resp: 24544

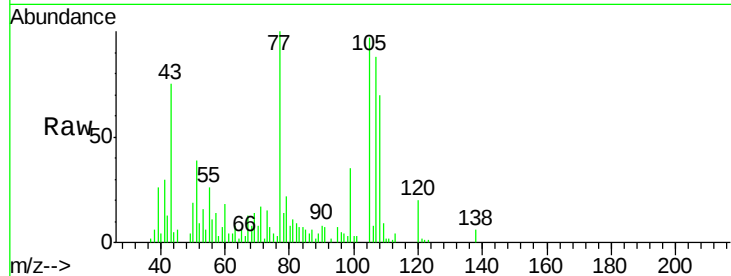
Ion Ratio Lower Upper

105 100

71 18.1 5.3 7.9#

51 40.5 18.2 27.4#

120 21.2 18.0 27.0

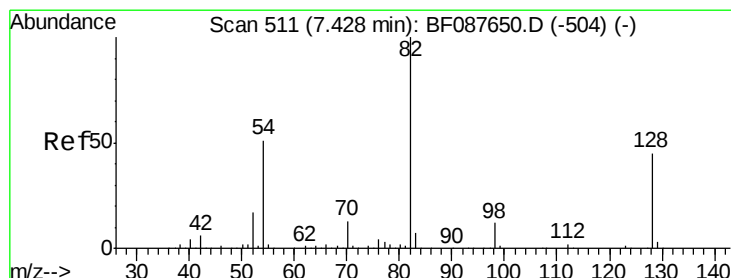
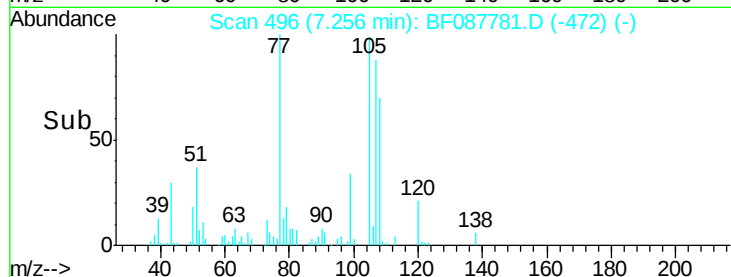
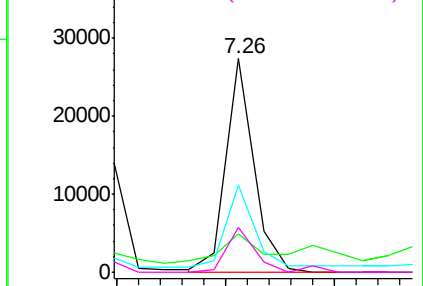


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 75.02 ng

RT: 7.42 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

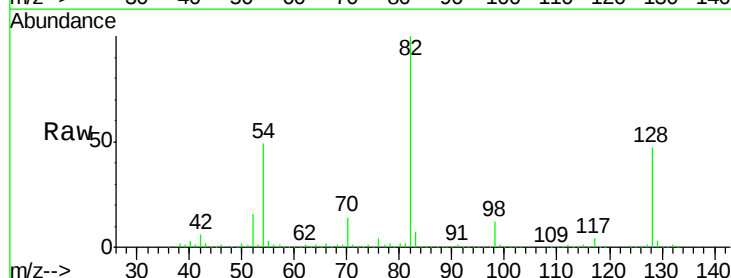
Tgt Ion: 82 Resp: 496817

Ion Ratio Lower Upper

82 100

128 47.0 35.9 53.9

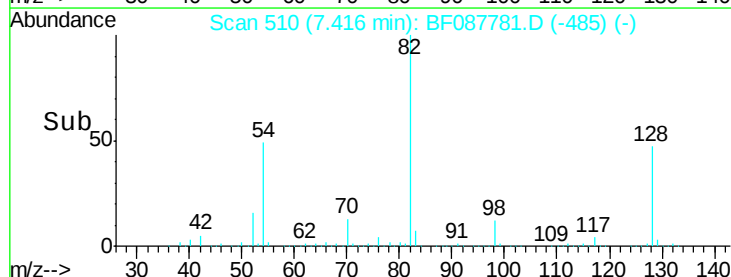
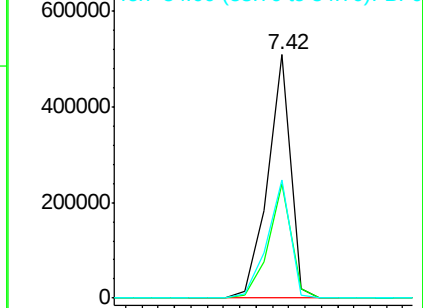
54 48.7 40.9 61.3

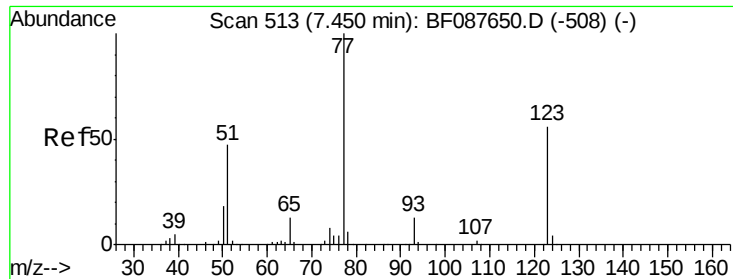


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

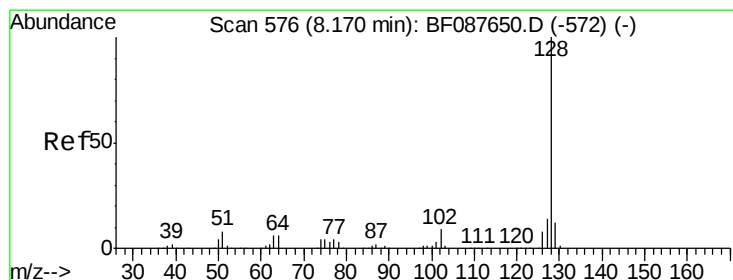
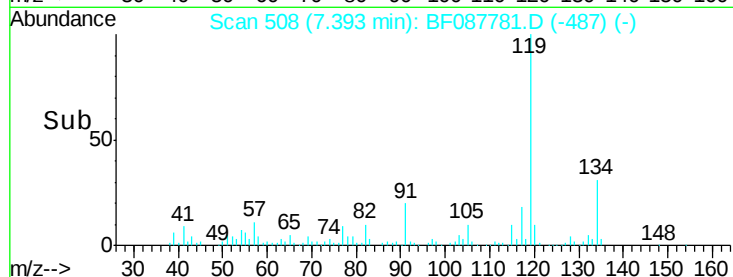
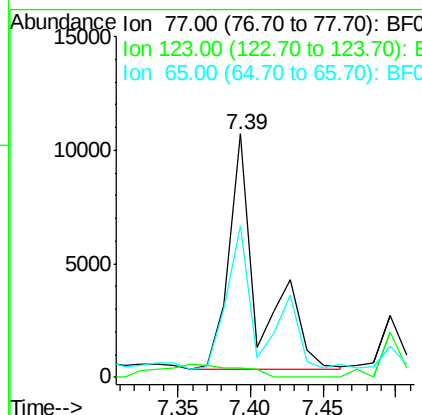
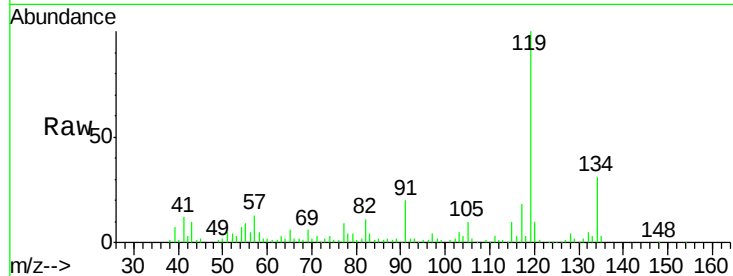




#24
 Nitrobenzene
 Concen: 2.27 ng
 RT: 7.39 min Scan# 508
 Delta R.T. -0.06 min
 Lab File: BF087781.D
 Acq: 7 Jun 2016 7:59

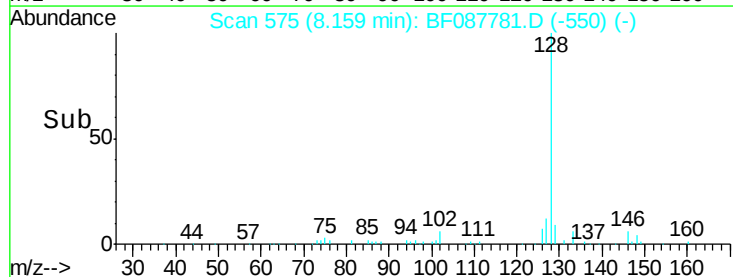
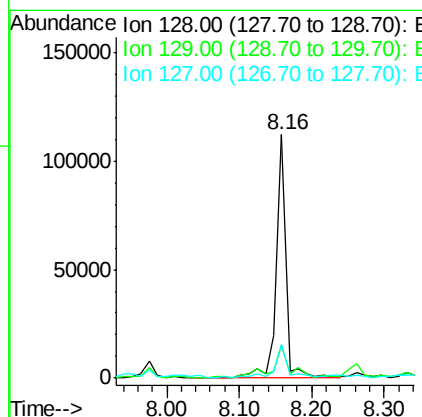
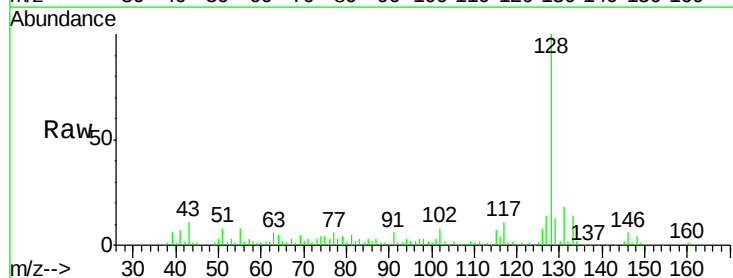
Instrument :
 BNA_F
 ClientSampleId :
 W-31

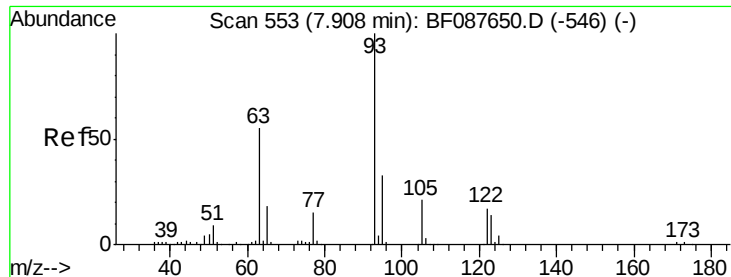
Tgt Ion: 77 Resp: 15039
 Ion Ratio Lower Upper
 77 100
 123 3.6 45.0 67.4#
 65 62.3 10.2 15.2#



#31
 Naphthalene
 Concen: 5.71 ng
 RT: 8.16 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF087781.D
 Acq: 7 Jun 2016 7:59

Tgt Ion: 128 Resp: 106331
 Ion Ratio Lower Upper
 128 100
 129 13.3 9.4 14.2
 127 13.9 10.9 16.3

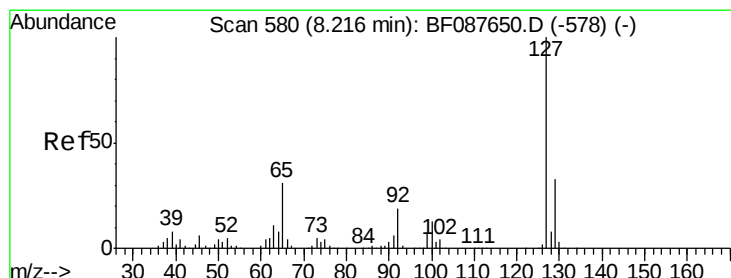
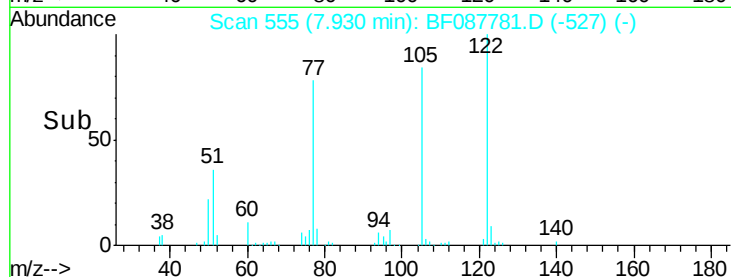
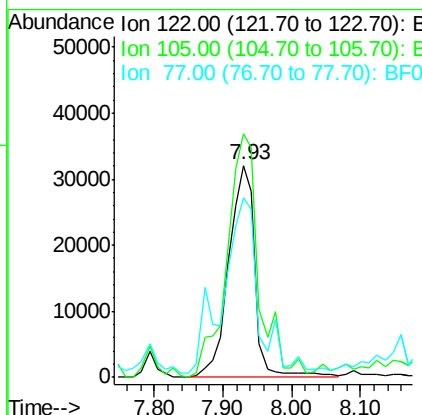
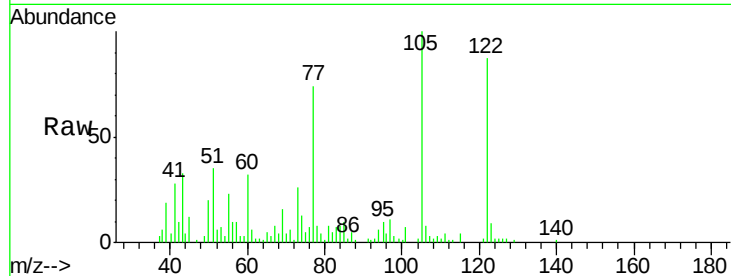




#32
Benzoic acid
Concen: 22.45 ng
RT: 7.93 min Scan# 555
Delta R.T. 0.02 min
Lab File: BF087781.D
Acq: 7 Jun 2016 7:59

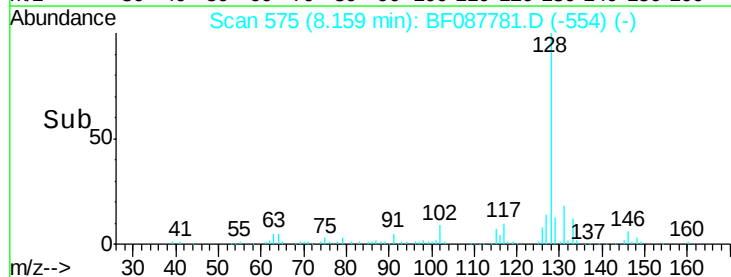
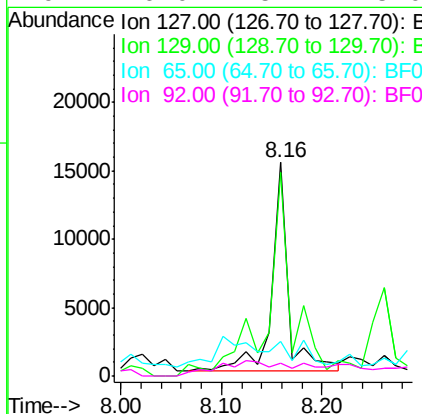
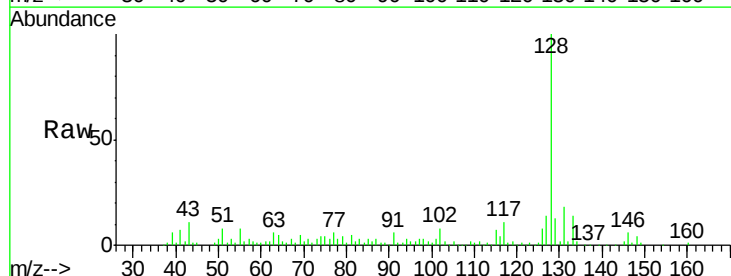
Instrument :
BNA_F
ClientSampleId :
W-31

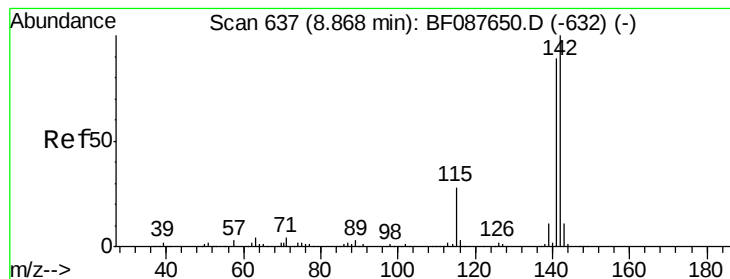
Tgt Ion:122 Resp: 86433
Ion Ratio Lower Upper
122 100
105 114.9 101.6 141.6
77 84.9 70.6 110.6



#33
4-Chloroaniline
Concen: 2.11 ng
RT: 8.16 min Scan# 575
Delta R.T. -0.06 min
Lab File: BF087781.D
Acq: 7 Jun 2016 7:59

Tgt Ion:127 Resp: 17073
Ion Ratio Lower Upper
127 100
129 95.3 26.3 39.5#
65 15.9 24.7 37.1#
92 6.0 15.4 23.0#





#37

2-Methylnaphthalene

Concen: 6.44 ng

RT: 8.84 min Scan# 635

Delta R.T. -0.02 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

Instrument :

BNA_F

ClientSampleId :

W-31

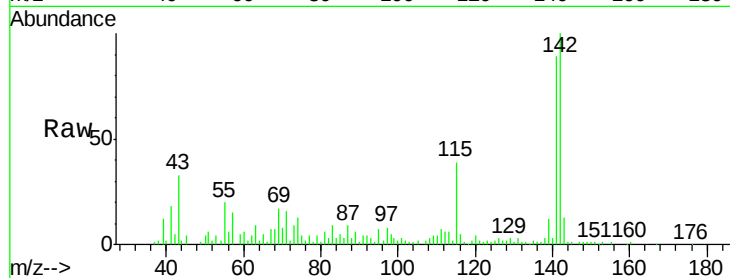
Tgt Ion:142 Resp: 79230

Ion Ratio Lower Upper

142 100

141 88.6 71.0 106.6

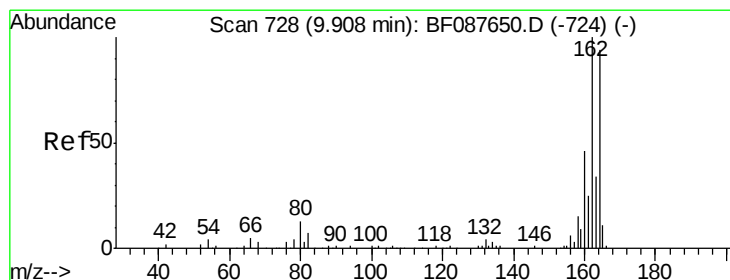
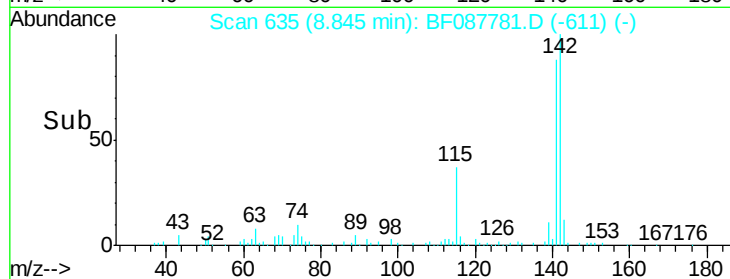
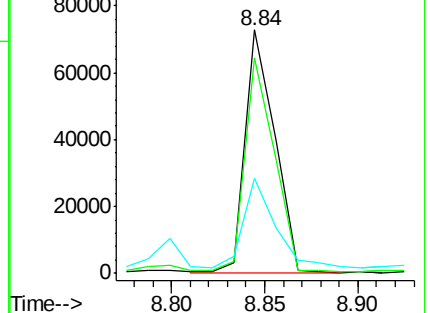
115 39.0 22.6 33.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

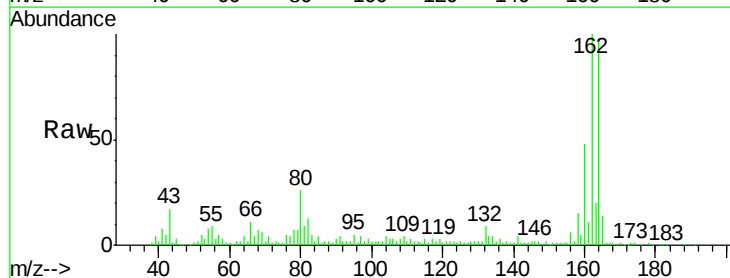
Tgt Ion:164 Resp: 150977

Ion Ratio Lower Upper

164 100

162 102.1 85.4 128.2

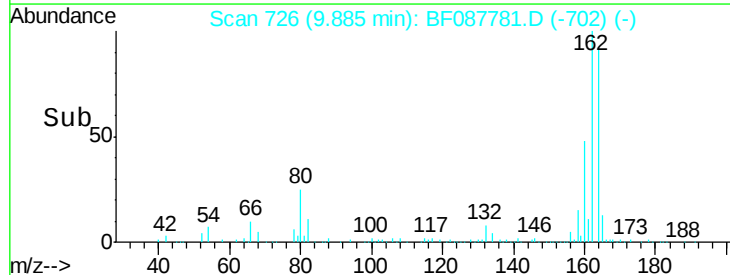
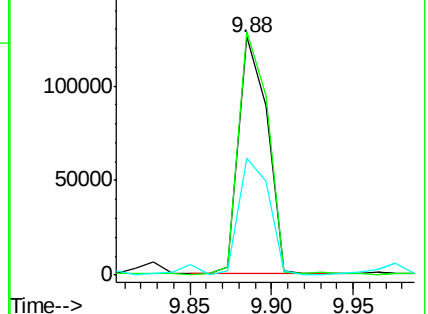
160 48.8 39.5 59.3

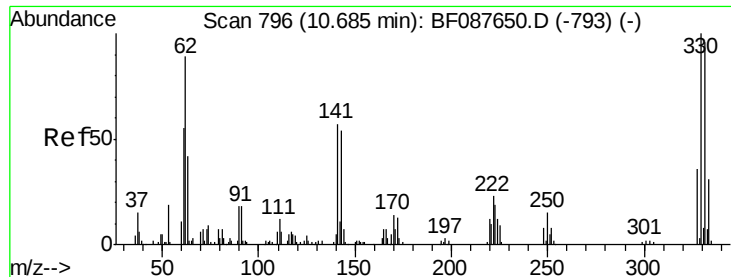


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

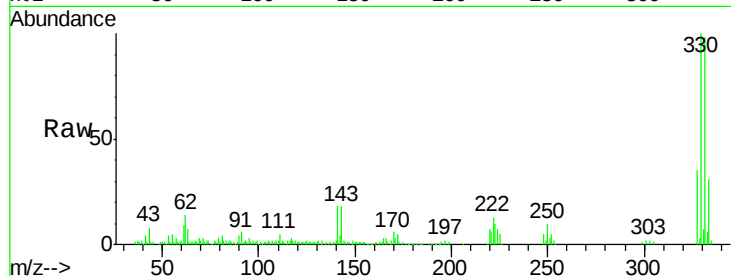




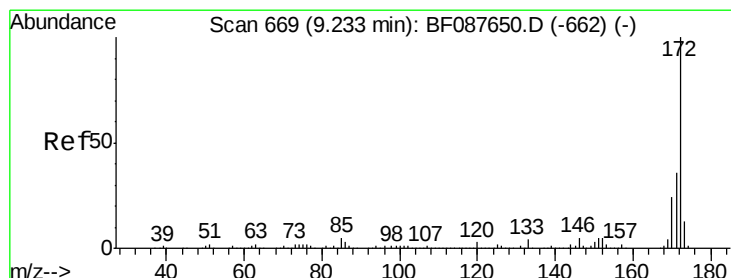
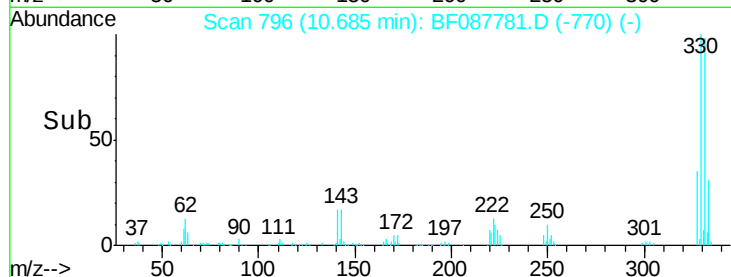
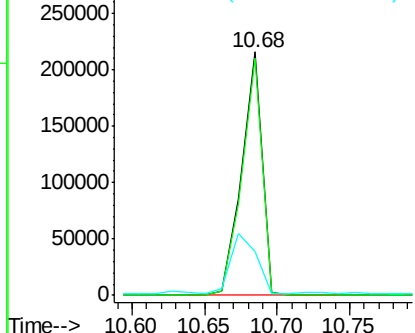
#41
 2,4,6-Tribromophenol
 Concen: 139.85 ng
 RT: 10.68 min Scan# 796
 Delta R.T. -0.00 min
 Lab File: BF087781.D
 Acq: 7 Jun 2016 7:59

Instrument :
 BNA_F
 ClientSampleId :
 W-31

Tgt Ion:330 Resp: 211949
 Ion Ratio Lower Upper
 330 100
 332 96.8 0.0 0.0#
 141 31.5 0.0 0.0#

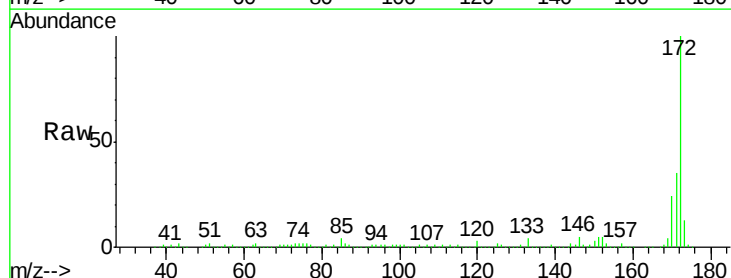


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

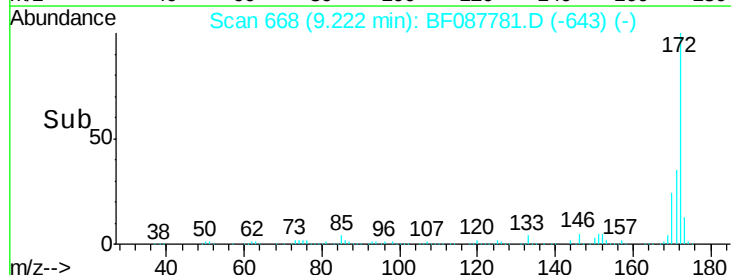
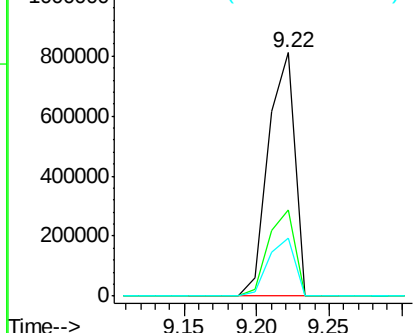


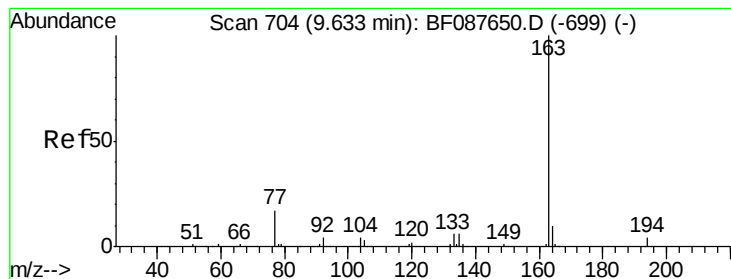
#44
 2-Fluorobiphenyl
 Concen: 120.62 ng
 RT: 9.22 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF087781.D
 Acq: 7 Jun 2016 7:59

Tgt Ion:172 Resp: 1024088
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 43.0
 170 23.6 19.2 28.8



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: 7.01 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

Instrument :

BNA_F

ClientSampleId :

W-31

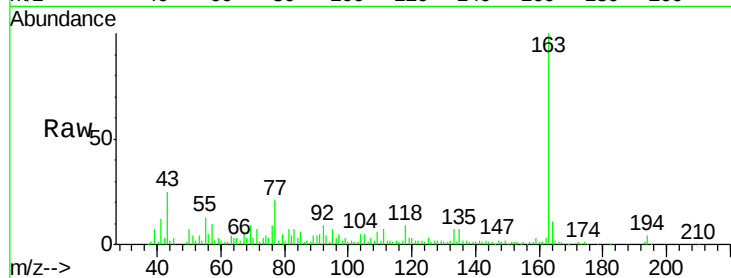
Tgt Ion:163 Resp: 76962

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

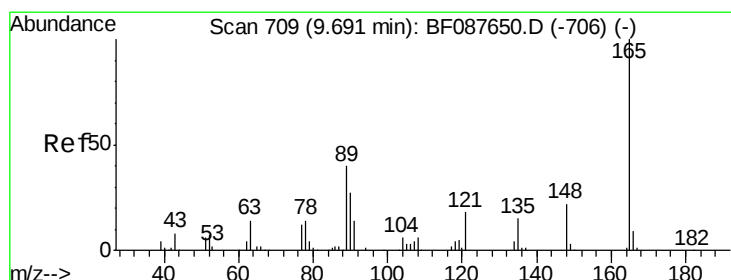
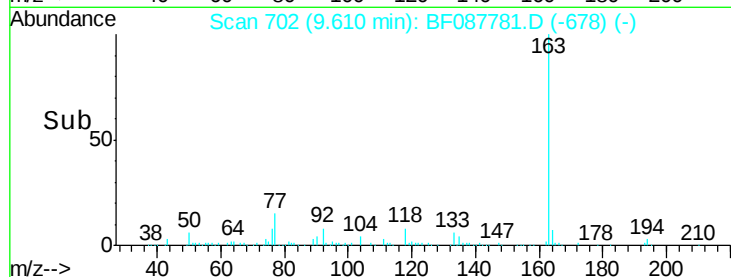
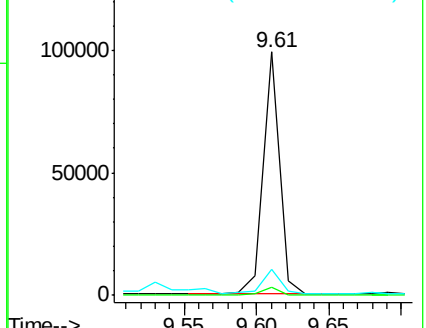
164 10.6 8.3 12.5



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: 2.41 ng

RT: 9.42 min Scan# 685

Delta R.T. -0.27 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

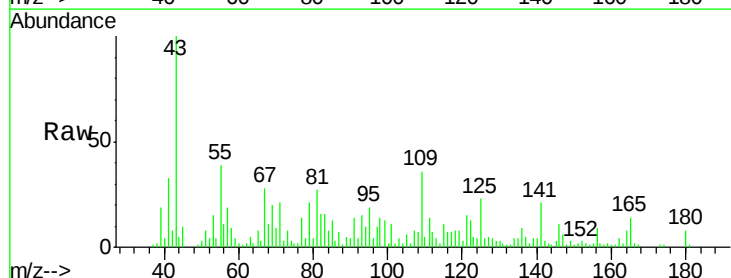
Tgt Ion:165 Resp: 6026

Ion Ratio Lower Upper

165 100

63 38.7 28.1 42.1

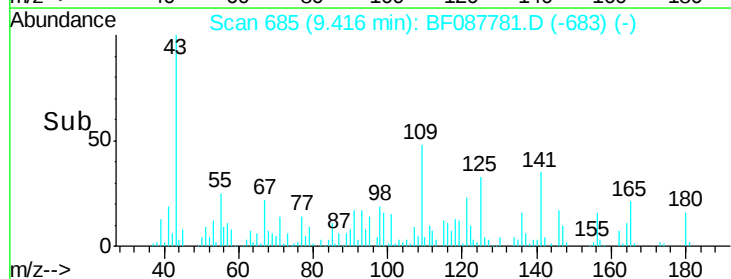
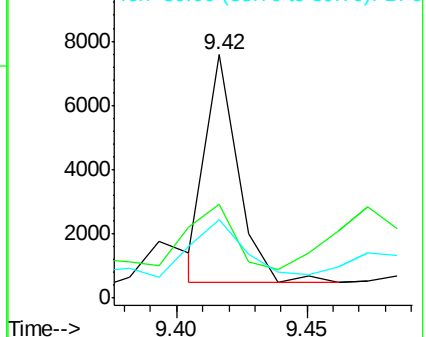
89 32.5 32.2 48.2

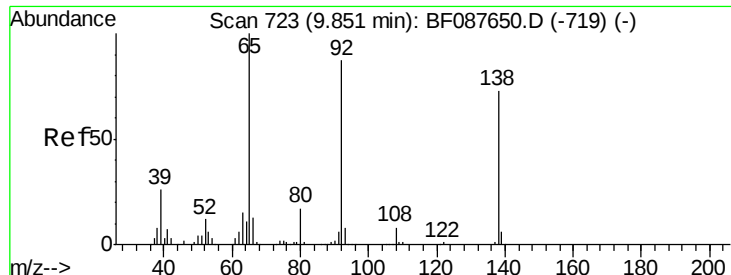


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#52

3-Nitroaniline

Concen: 10.83 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.10 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

Instrument :

BNA_F

ClientSampleId :

W-31

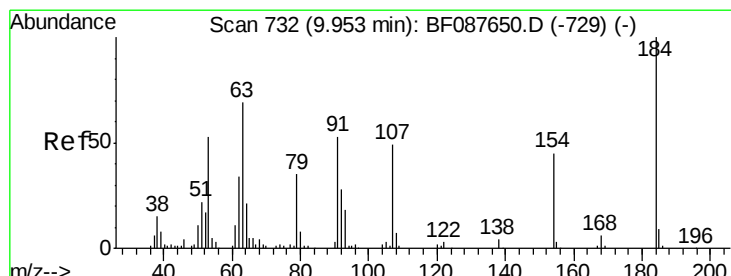
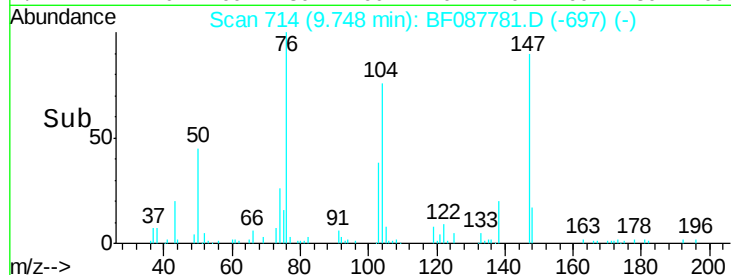
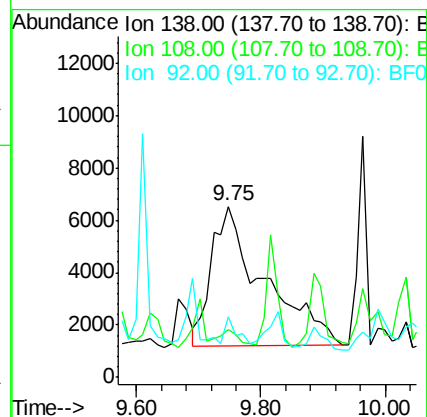
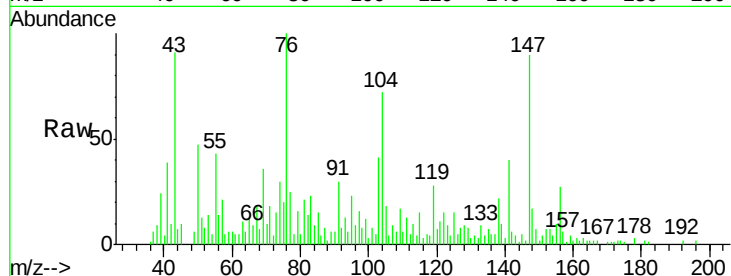
Tgt Ion:138 Resp: 30935

Ion Ratio Lower Upper

138 100

108 27.7 8.5 12.7#

92 35.4 95.7 143.5#



#53

2,4-Dinitrophenol

Concen: 4.06 ng

RT: 9.99 min Scan# 735

Delta R.T. 0.03 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

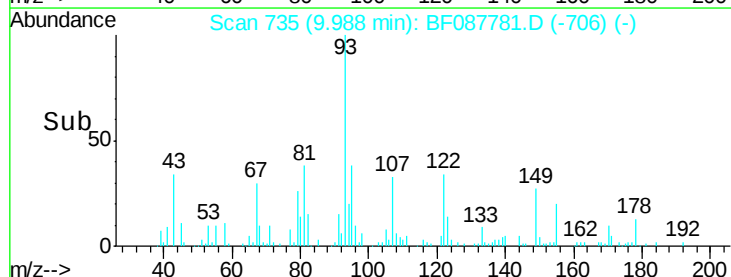
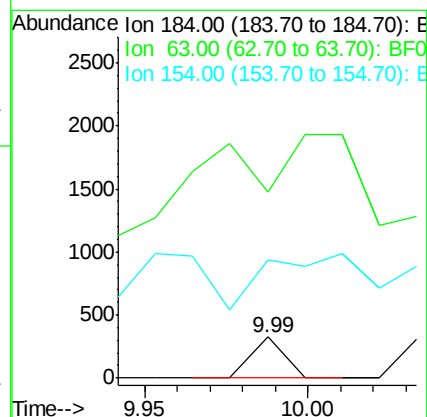
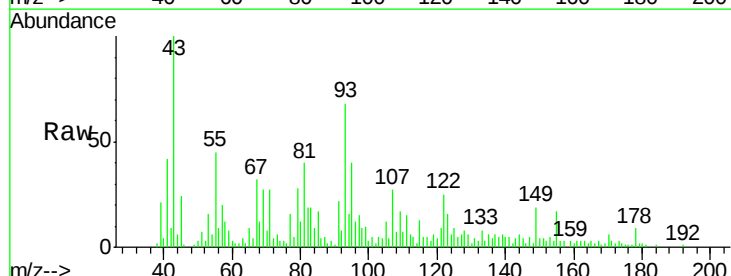
Tgt Ion:184 Resp: 222

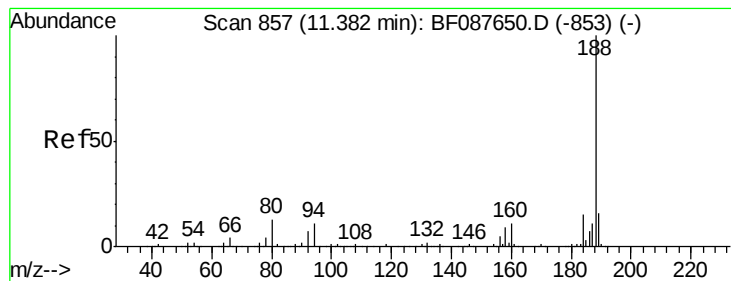
Ion Ratio Lower Upper

184 100

63 454.9 57.6 86.4#

154 289.5 53.5 80.3#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

Instrument :

BNA_F

ClientSampleId :

W-31

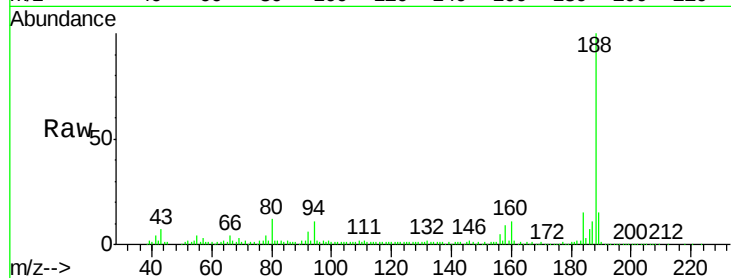
Tgt Ion:188 Resp: 244138

Ion Ratio Lower Upper

188 100

94 10.6 9.0 13.6

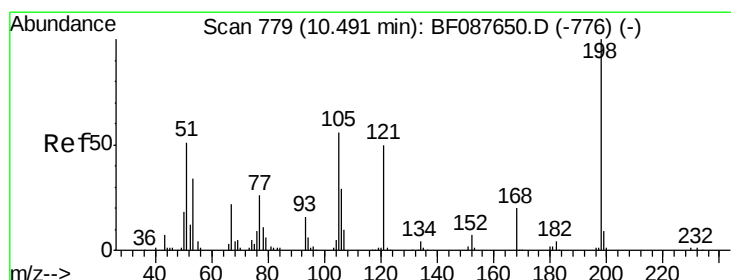
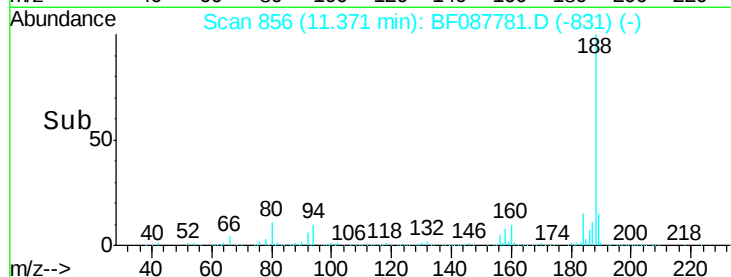
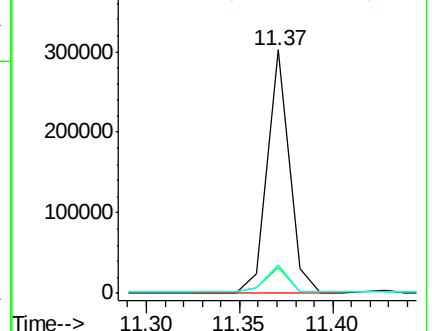
80 11.5 10.0 15.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 2.19 ng

RT: 10.51 min Scan# 781

Delta R.T. 0.02 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

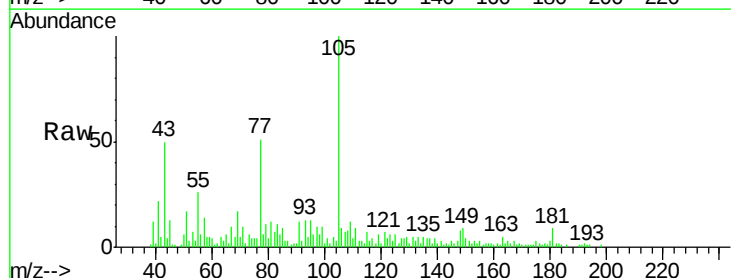
Tgt Ion:198 Resp: 249

Ion Ratio Lower Upper

198 100

51 2681.0 39.6 79.6#

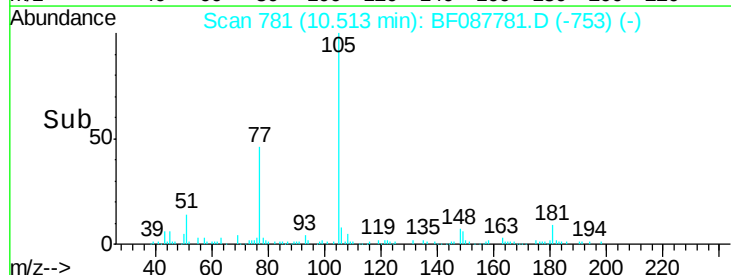
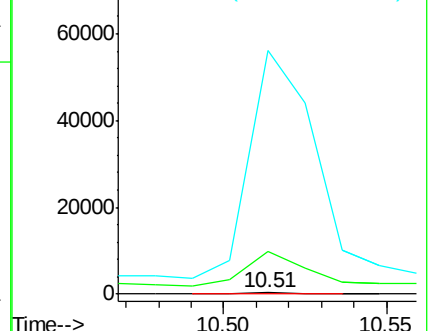
105 15460.1 36.6 76.6#

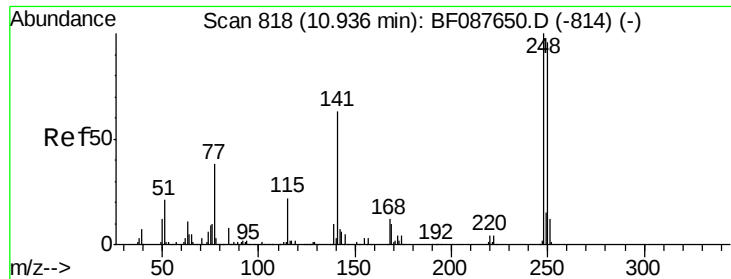


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 5.32 ng

RT: 10.68 min Scan# 796

Delta R.T. -0.25 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

Instrument :

BNA_F

ClientSampleId :

W-31

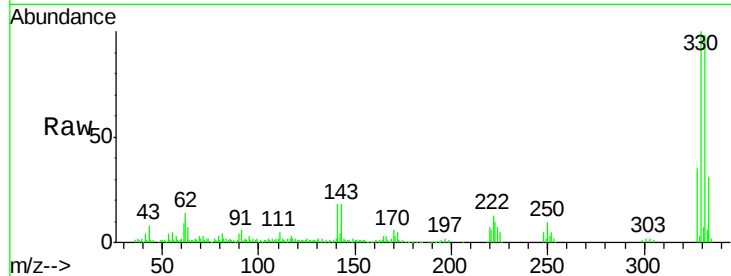
Tgt Ion:248 Resp: 12874

Ion Ratio Lower Upper

248 100

250 198.3 77.1 115.7#

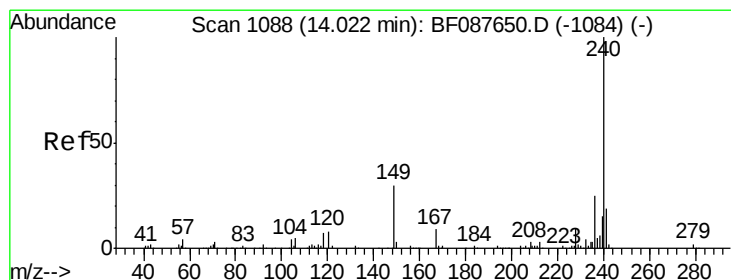
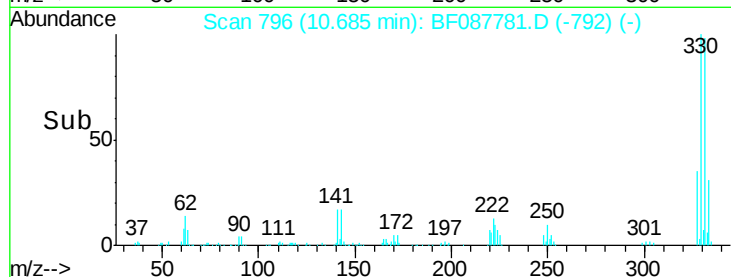
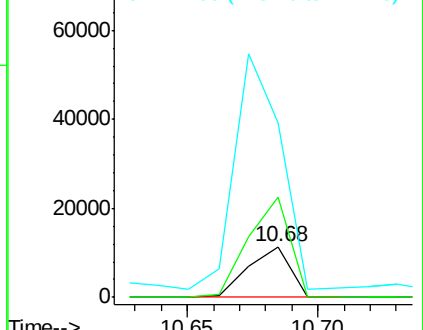
141 345.1 50.6 76.0#



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: 14.00 min Scan# 1086

Delta R.T. -0.02 min

Lab File: BF087781.D

Acq: 7 Jun 2016 7:59

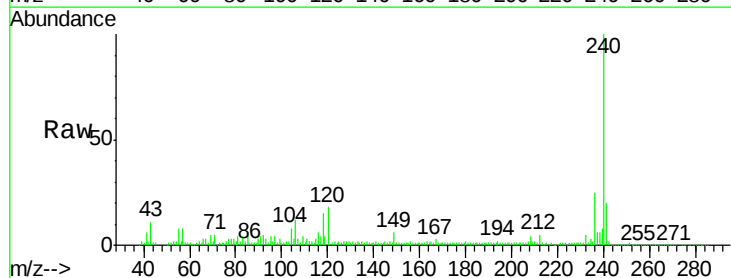
Tgt Ion:240 Resp: 185744

Ion Ratio Lower Upper

240 100

120 17.5 6.8 10.2#

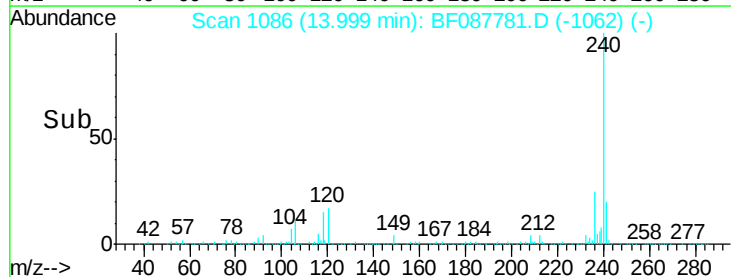
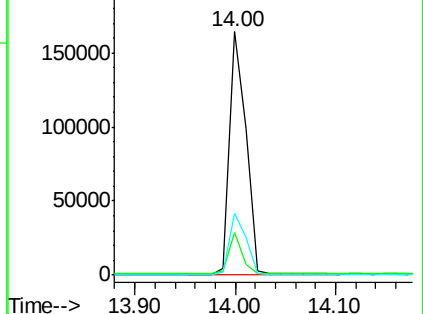
236 25.4 20.2 30.2

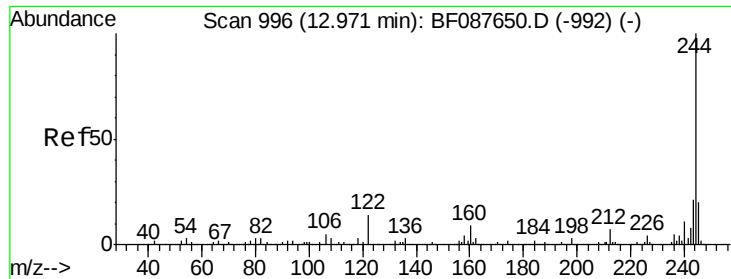


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

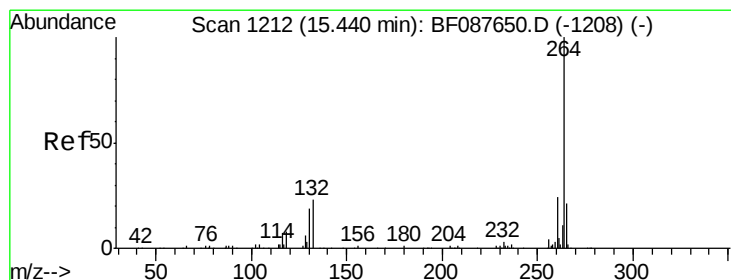
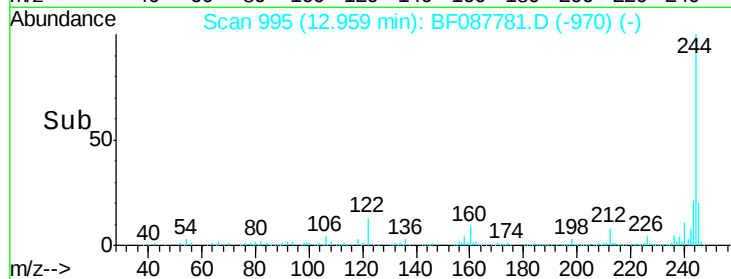
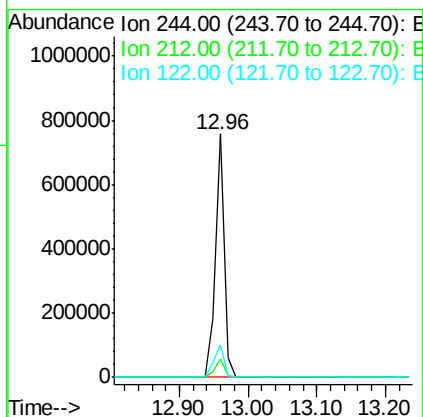
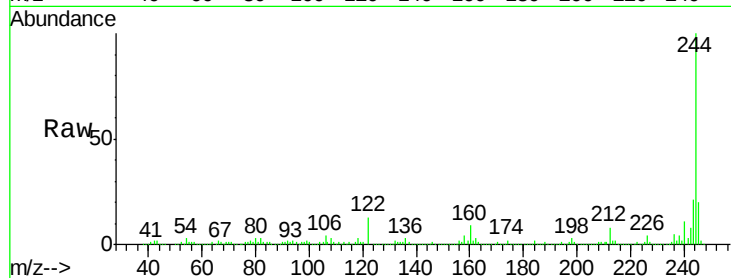




#78
 Terphenyl-d14
 Concen: 91.26 ng
 RT: 12.96 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: BF087781.D
 Acq: 7 Jun 2016 7:59

Instrument :
 BNA_F
 ClientSampled :
 W-31

Tgt Ion: 244 Resp: 694702
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 13.4 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF087781.D
 Acq: 7 Jun 2016 7:59

Tgt Ion: 264 Resp: 149659
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.5 16.9 25.3

