

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062516\
 Data File : BF088400.D
 Acq On : 26 Jun 2016 4:36
 Operator : UM/SJ
 Sample : H3768-03
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1GW

Quant Time: Jun 26 06:10:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	50235	20.00	ng	-0.02
21) Naphthalene-d8	7.88	136	114576	20.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	66477	20.00	ng	-0.02
63) Phenanthrene-d10	11.08	188	150882	20.00	ng	-0.03
75) Chrysene-d12	13.69	240	140825	20.00	ng	-0.06
86) Perylene-d12	15.05	264	113139	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.14	112	302670	103.00	ng	-0.03
7) Phenol-d6	6.23	99	198252	55.67	ng	-0.03
23) Nitrobenzene-d5	7.15	82	260497	132.76	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	98641	140.53	ng	-0.03
44) 2-Fluorobiphenyl	8.96	172	413583	98.62	ng	-0.01
78) Terphenyl-d14	12.65	244	469101	75.80	ng	-0.05

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	2.55	42	3479	2.44	ng	# 1
6) Aniline	6.24	93	16156	3.19	ng	# 1
9) Benzaldehyde	6.09	77	31260	10.75	ng	# 2
11) bis(2-Chloroethyl)ether	6.39	93	11069	3.54	ng	# 1
15) Benzyl Alcohol	6.68	79	40588	14.57	ng	# 55
18) Hexachloroethane	7.07	117	28102	21.07	ng	# 1
19) n-Nitroso-di-n-propylamine	7.02	70	85861	37.69	ng	# 64
20) 3+4-Methylphenols	7.03	107	15991	4.86	ng	# 1
22) Acetophenone	6.99	105	332877	130.01	ng	# 54
24) Nitrobenzene	7.13	77	46552	24.49	ng	# 29
25) Isophorone	7.40	82	174275	47.95	ng	# 1
26) 2-Nitrophenol	7.56	139	48919	48.05	ng	# 5
27) 2,4-Dimethylphenol	7.53	122	18156	9.69	ng	# 6
28) bis(2-Chloroethoxy)methane	7.68	93	42451	18.83	ng	# 1
29) 2,4-Dichlorophenol	7.74	162	17103	10.93	ng	# 1
30) 1,2,4-Trichlorobenzene	7.78	180	16788	9.85	ng	# 80
31) Naphthalene	7.88	128	85837	15.14	ng	# 1
32) Benzoic acid	7.68	122	18506	17.93	ng	# 1
33) 4-Chloroaniline	7.94	127	29091	11.49	ng	# 1
35) Caprolactam	8.35	113	166634	321.42	ng	# 26
36) 4-Chloro-3-methylphenol	8.42	107	9478	5.66	ng	# 28
42) 2,4,6-Trichlorophenol	8.89	196	13869	10.43	ng	# 11
43) 2,4,5-Trichlorophenol	8.89	196	13869	10.03	ng	# 1
45) 1,1'-Biphenyl	9.06	154	81333	11.71	ng	# 93
47) 2-Nitroaniline	9.11	65	11549	9.10	ng	# 44
48) Acenaphthylene	9.48	152	16404	2.40	ng	# 1
49) Dimethylphthalate	9.35	163	37354	7.76	ng	# 55
50) 2,6-Dinitrotoluene	9.40	165	20585	18.67	ng	# 76
51) Acenaphthene	9.66	154	9528	2.23	ng	# 37
52) 3-Nitroaniline	9.58	138	5844	4.59	ng	# 40
53) 2,4-Dinitrophenol	9.68	184	744	4.60	ng	# 1
54) Dibenzofuran	9.83	168	33900	5.77	ng	# 46
55) 4-Nitrophenol	9.83	139	22949	23.24	ng	# 6
56) 2,4-Dinitrotoluene	9.80	165	8447	5.96	ng	# 69

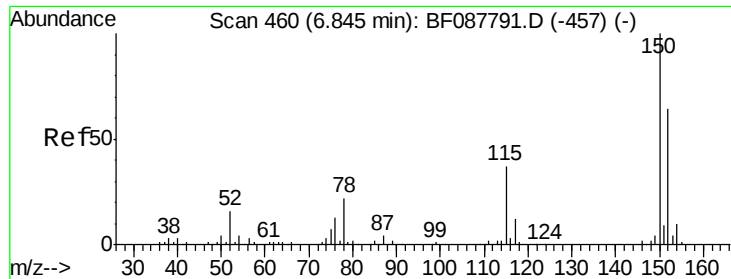
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062516\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) Fluorene	10.16	166	31312	3.42	ng	# 72
59) Diethylphthalate	10.03	149	10846	2.23	ng	# 22
60) 4-Chlorophenyl-phenylether	10.10	204	5745	2.94	ng	# 1
61) 4-Nitroaniline	10.07	138	2608	2.16	ng	# 79
62) Azobenzene	10.32	77	10876	2.26	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.25	198	1771	3.96	ng	# 1
65) n-Nitrosodiphenylamine	10.27	169	83483	16.67	ng	# 42
70) Phenanthrene	11.11	178	70057	8.85	ng	# 93
74) Fluoranthene	12.27	202	36634	4.38	ng	# 94
77) Pyrene	12.50	202	36577	3.50	ng	# 98
80) Benzo(a)anthracene	13.69	228	18527	2.31	ng	# 94
82) Chrysene	13.69	228	18527	2.45	ng	# 92
87) Benzo(b)fluoranthene	14.70	252	19486	2.47	ng	# 75
88) Benzo(k)fluoranthene	14.70	252	19486	3.28	ng	# 77

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampleId :

B1GW

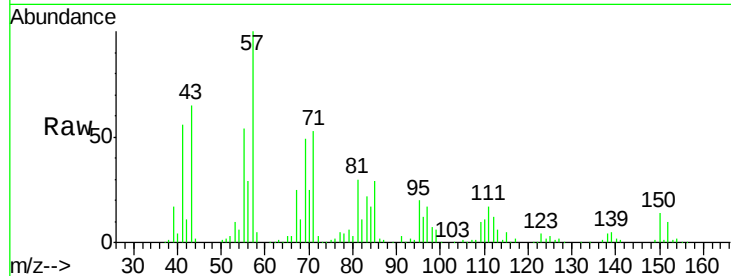
Tgt Ion:152 Resp: 50235

Ion Ratio Lower Upper

152 100

150 148.7 123.8 185.6

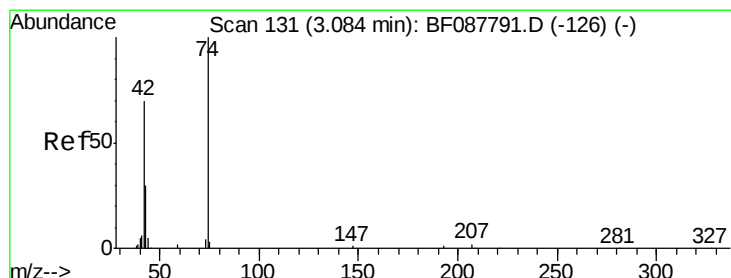
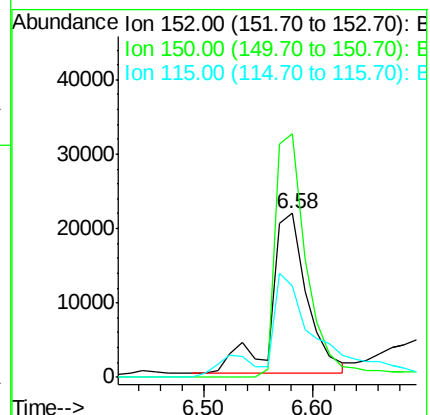
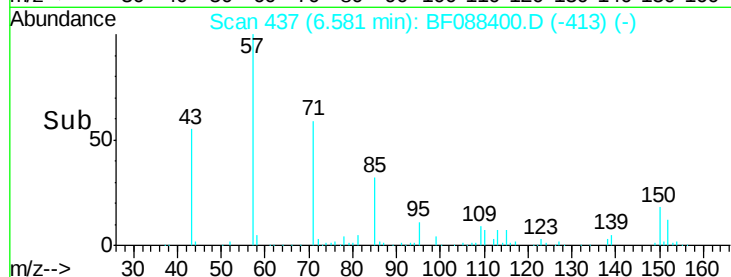
115 55.7 39.6 59.4



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: 2.44 ng

RT: 2.55 min Scan# 84

Delta R.T. -0.08 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

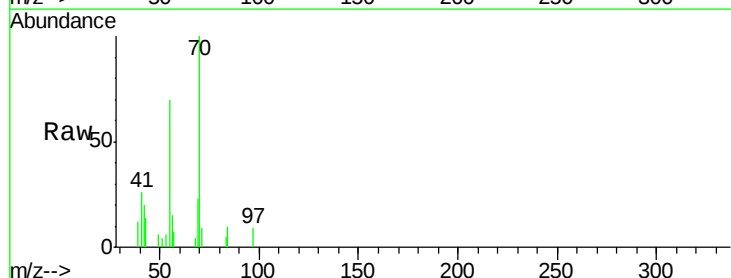
Tgt Ion: 42 Resp: 3479

Ion Ratio Lower Upper

42 100

74 0.0 108.6 163.0#

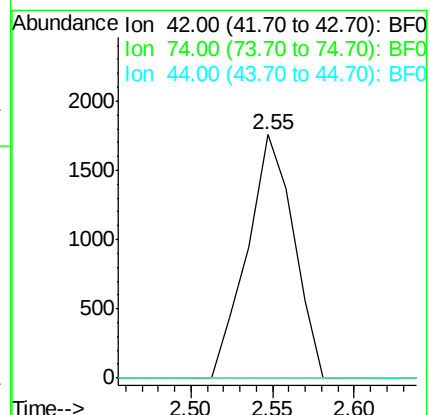
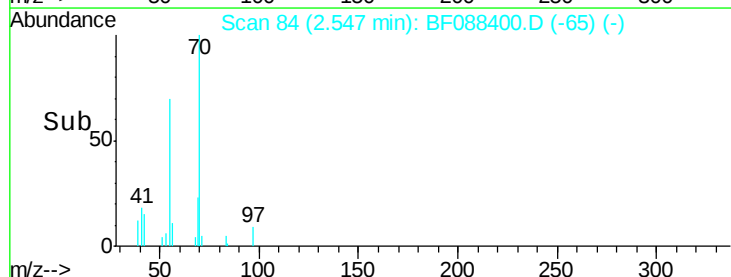
44 0.0 5.5 8.3#

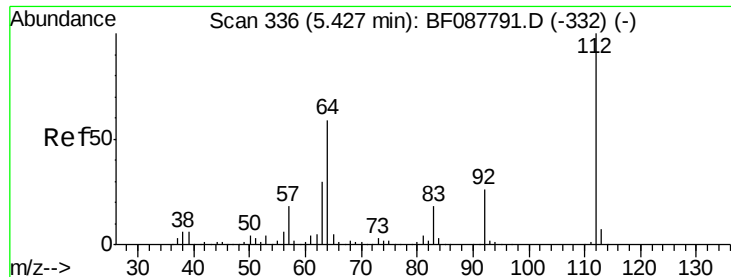


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 103.00 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.03 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampleId :

B1GW

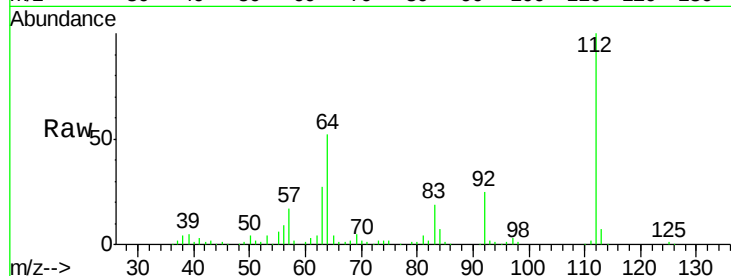
Tgt Ion: 112 Resp: 302670

Ion Ratio Lower Upper

112 100

64 52.4 42.2 63.2

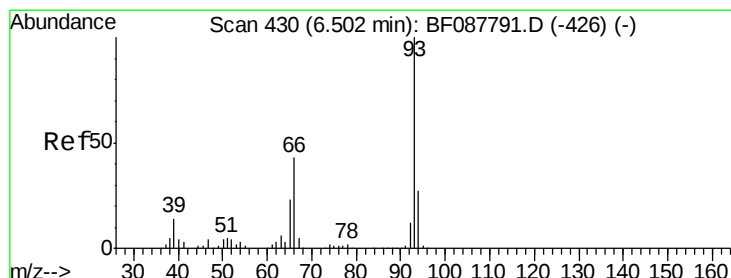
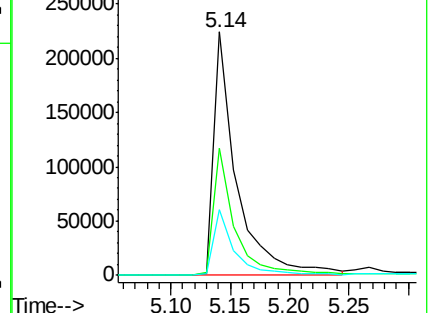
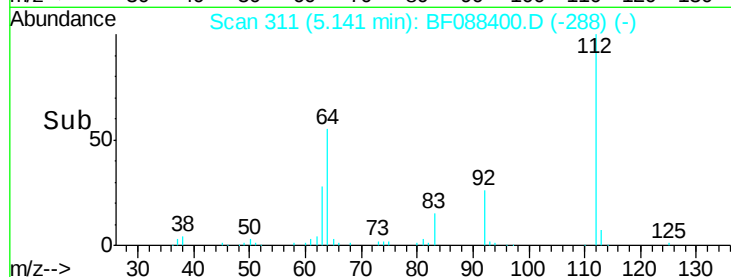
63 26.9 21.8 32.8



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



#6

Aniline

Concen: 3.19 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

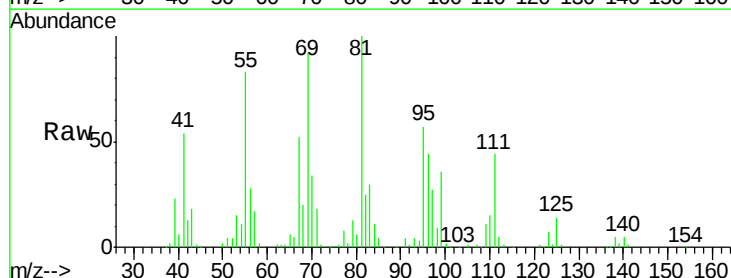
Tgt Ion: 93 Resp: 16156

Ion Ratio Lower Upper

93 100

66 147.2 29.8 44.8#

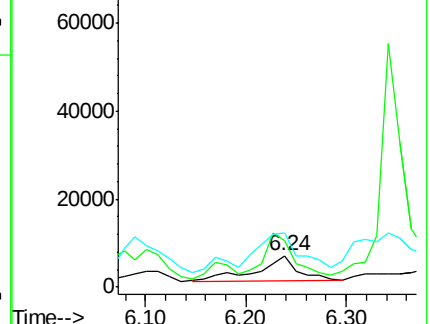
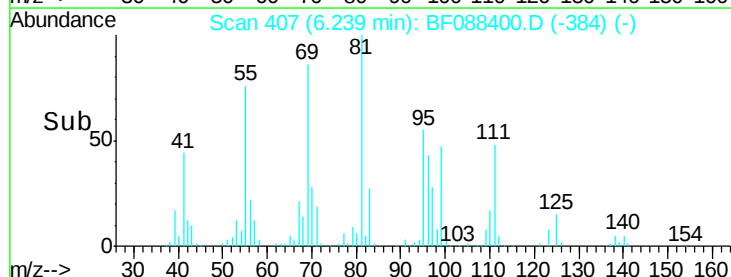
65 173.5 14.9 22.3#

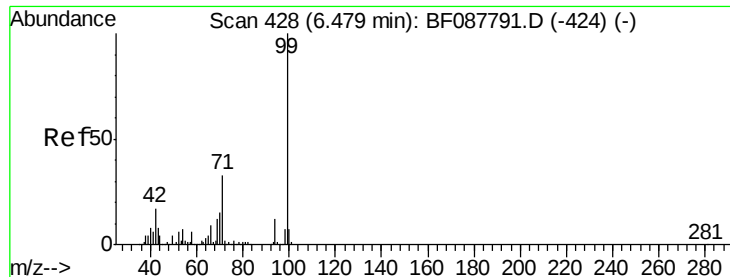


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 55.67 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampleId :

B1GW

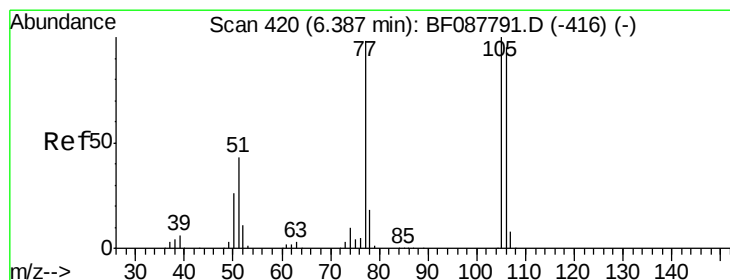
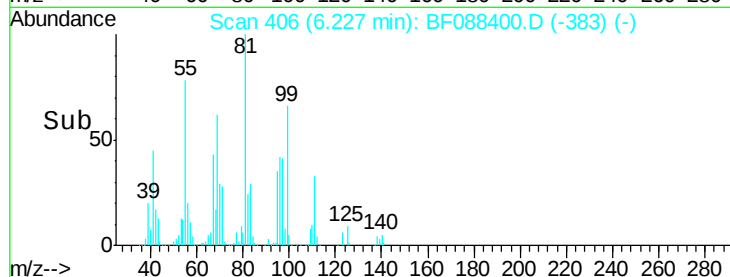
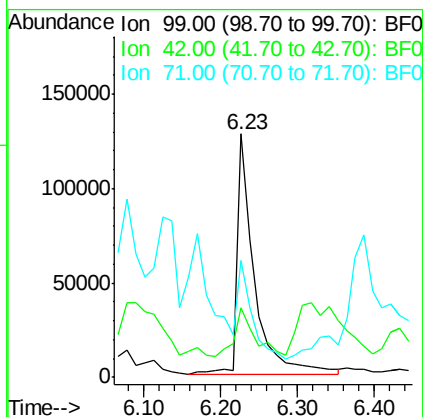
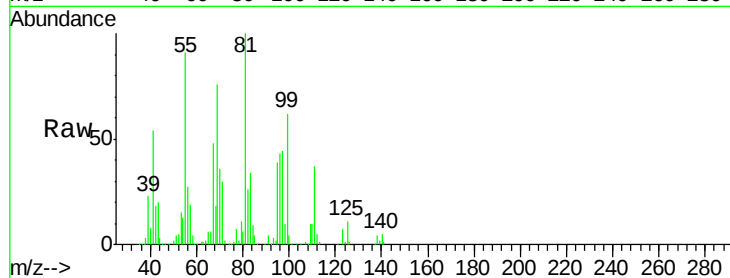
Tgt Ion: 99 Resp: 198252

Ion Ratio Lower Upper

99 100

42 28.8 12.2 18.2#

71 48.0 23.4 35.0#



#9

Benzaldehyde

Concen: 10.75 ng

RT: 6.09 min Scan# 394

Delta R.T. -0.06 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

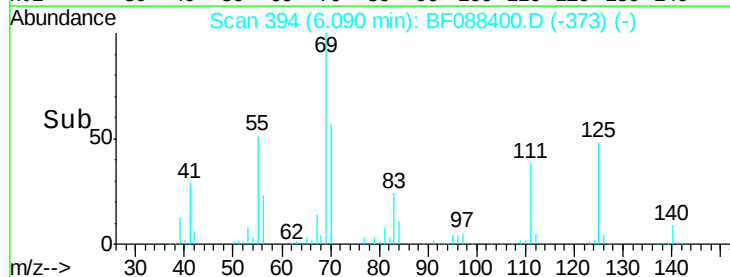
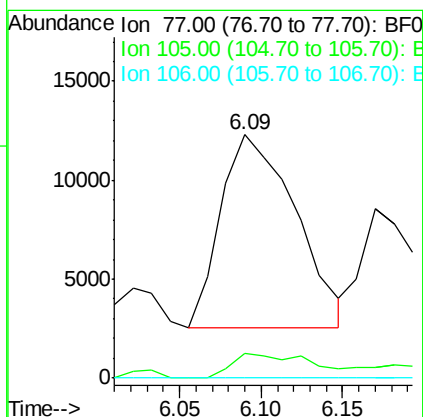
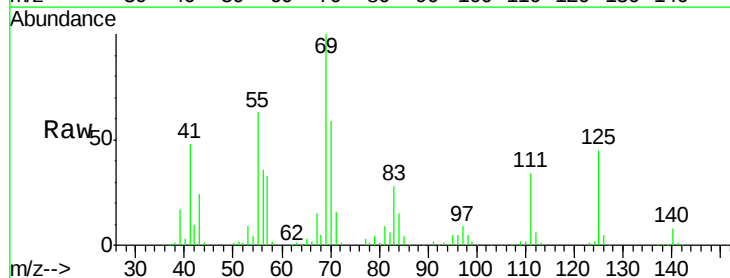
Tgt Ion: 77 Resp: 31260

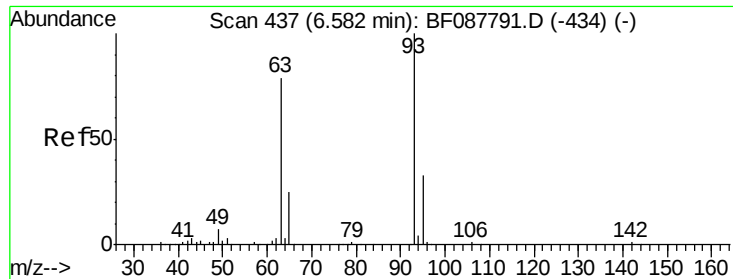
Ion Ratio Lower Upper

77 100

105 10.2 90.6 130.6#

106 0.0 85.3 125.3#

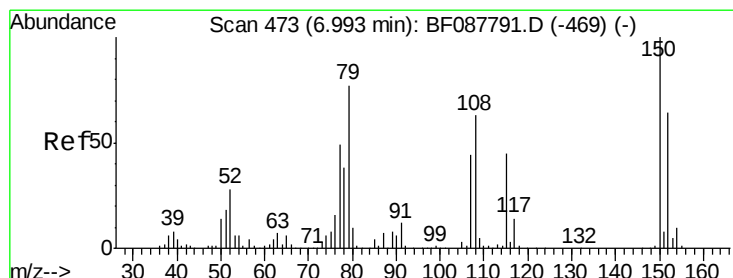
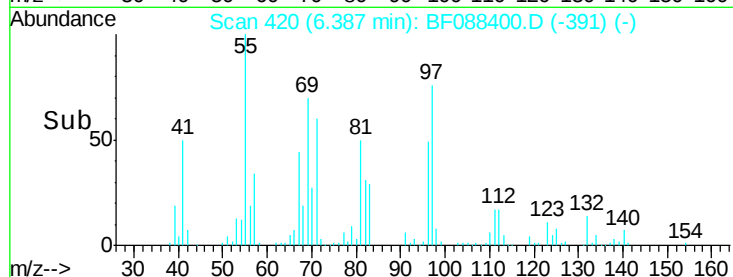
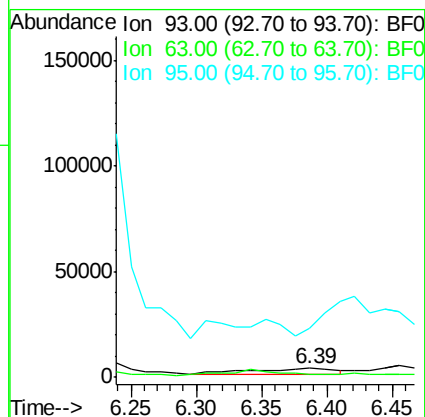
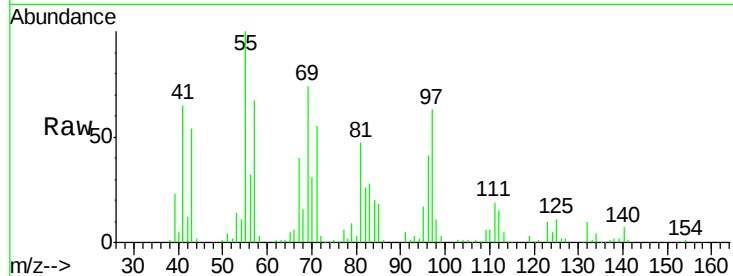




#11
bis(2-Chloroethyl)ether
Concen: 3.54 ng
RT: 6.39 min Scan# 420
Delta R.T. 0.03 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

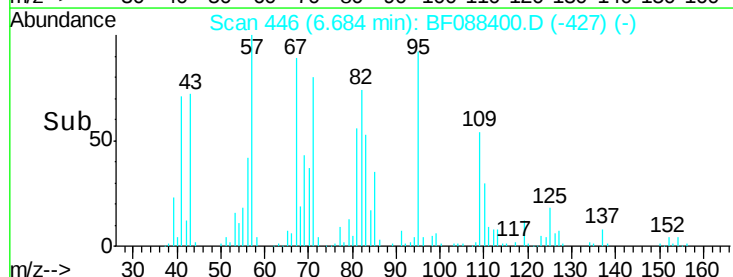
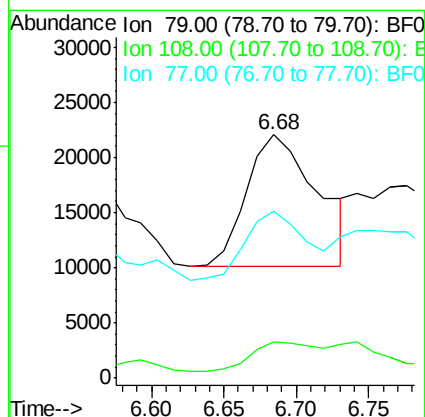
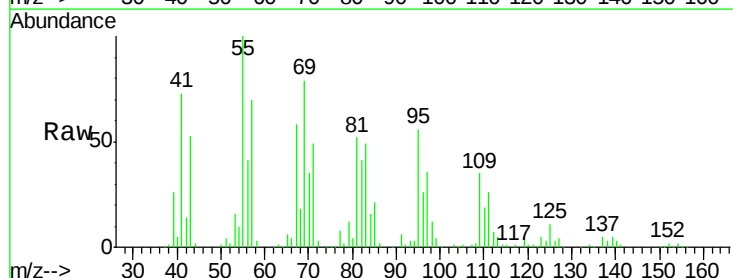
Instrument :
BNA_F
ClientSampled :
B1GW

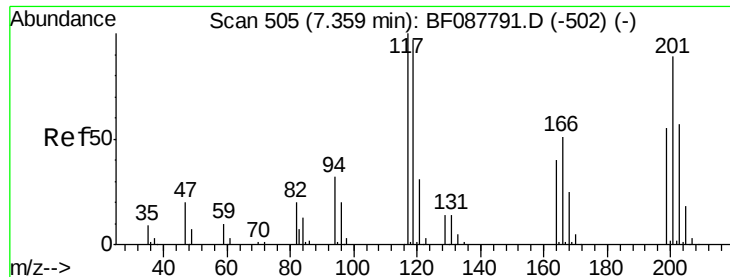
Tgt Ion: 93 Resp: 11069
Ion Ratio Lower Upper
93 100
63 36.3 67.6 107.6#
95 543.0 12.5 52.5#



#15
Benzyl Alcohol
Concen: 14.57 ng
RT: 6.68 min Scan# 446
Delta R.T. -0.08 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

Tgt Ion: 79 Resp: 40588
Ion Ratio Lower Upper
79 100
108 15.0 65.0 97.6#
77 68.6 50.3 75.5

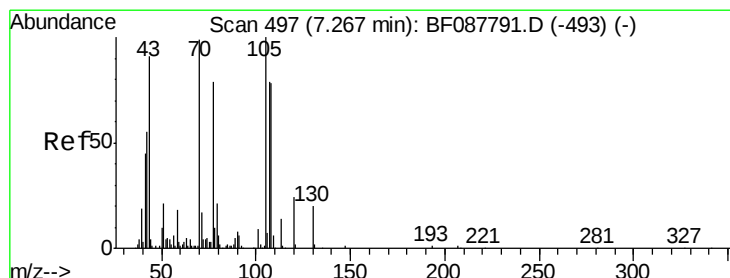
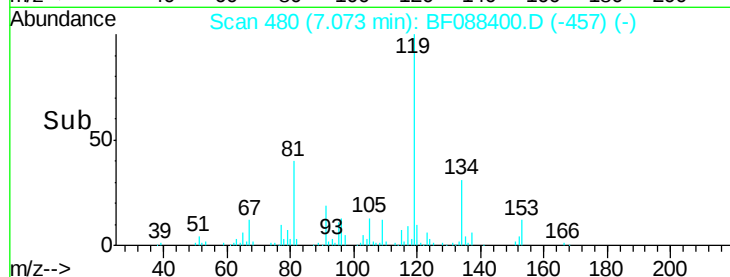
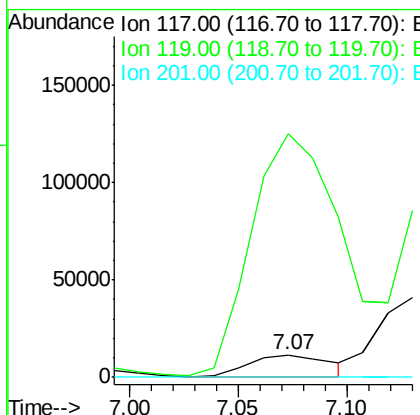
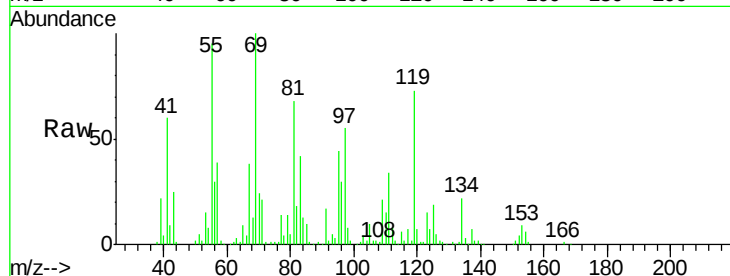




#18
Hexachloroethane
Concen: 21.07 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.03 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

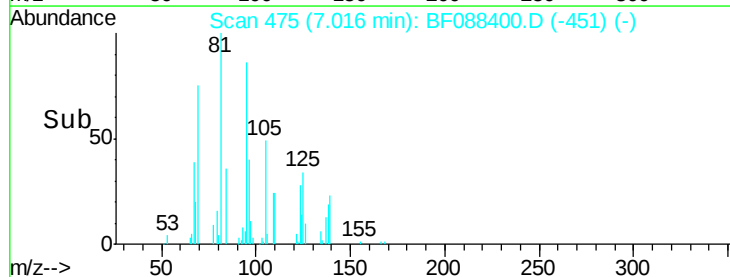
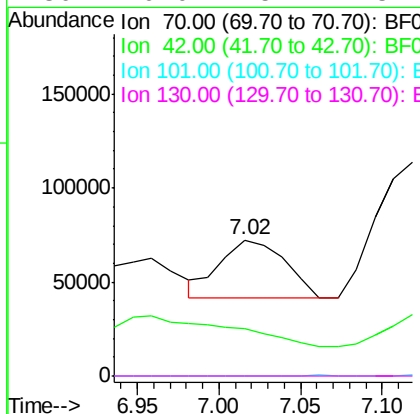
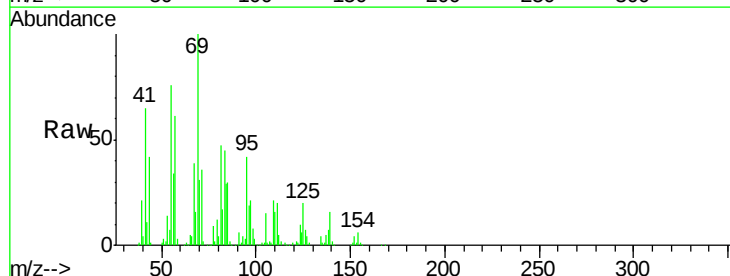
Instrument :
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ClientSampleId :
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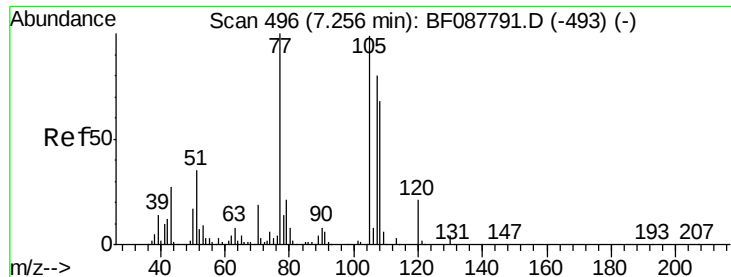
Tgt Ion: 117 Resp: 28102
Ion Ratio Lower Upper
117 100
119 1091.3 77.4 116.2#
201 0.0 80.4 120.6#



#19
n-Nitroso-di-n-propylamine
Concen: 37.69 ng
RT: 7.02 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

Tgt Ion: 70 Resp: 85861
Ion Ratio Lower Upper
70 100
42 35.0 49.6 74.4#
101 0.0 7.1 10.7#
130 0.0 15.4 23.2#

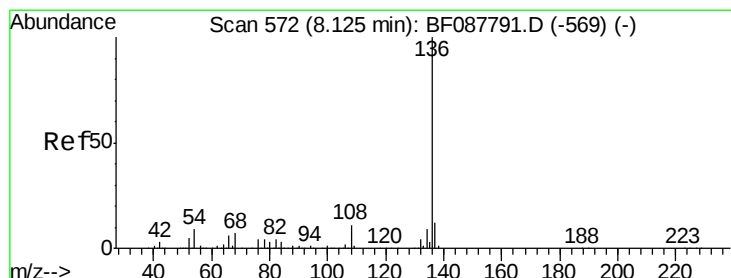
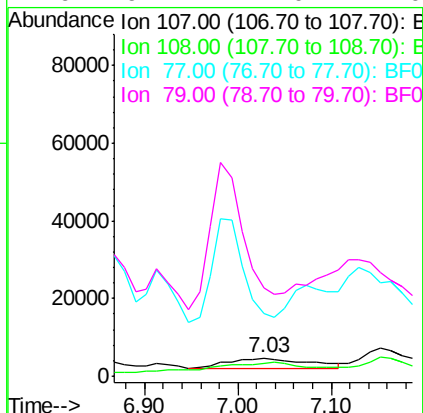
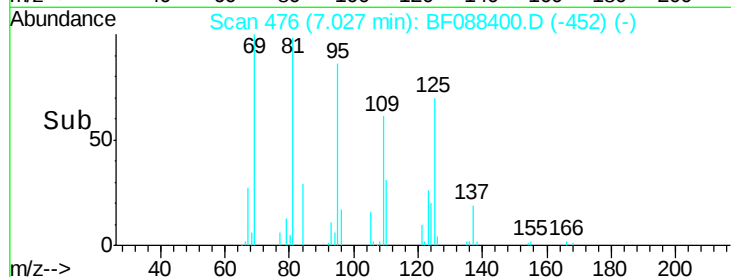
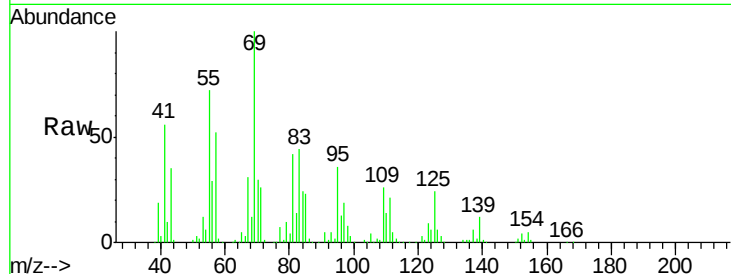




#20
3+4-Methylphenols
Concen: 4.86 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.02 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

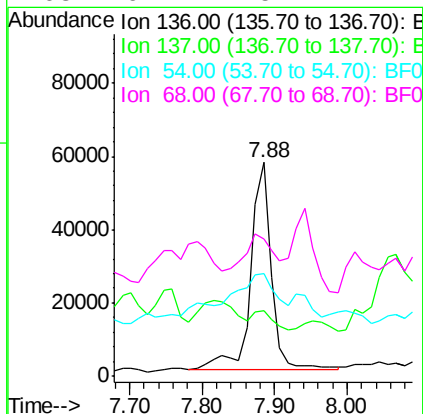
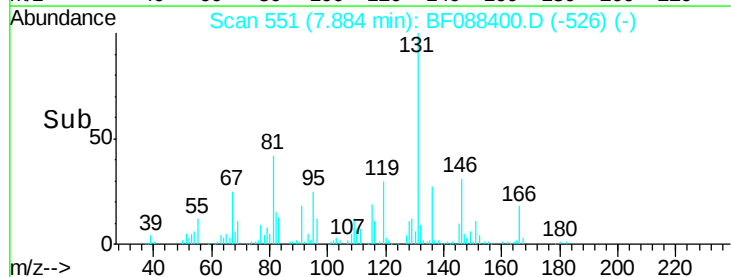
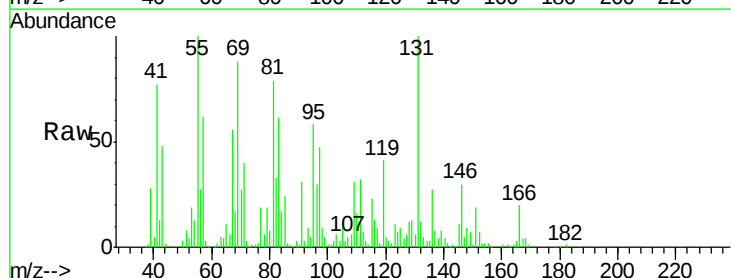
Instrument :
BNA_F
ClientSampleId :
B1GW

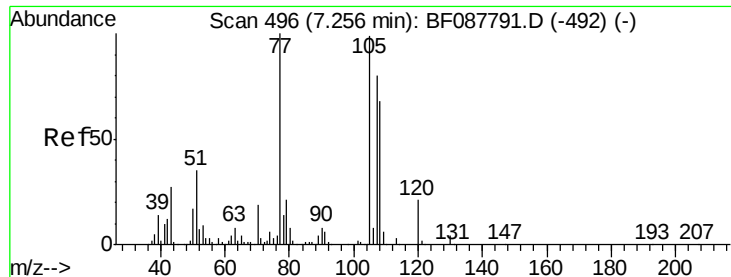
Tgt Ion:107 Resp: 15991
Ion Ratio Lower Upper
107 100
108 72.9 67.8 107.8
77 346.1 59.3 99.3#
79 491.1 7.0 47.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

Tgt Ion:136 Resp: 114576
Ion Ratio Lower Upper
136 100
137 30.5 9.1 13.7#
54 48.2 6.6 10.0#
68 64.1 5.1 7.7#

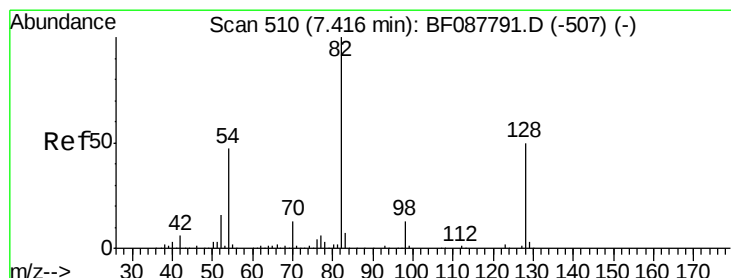
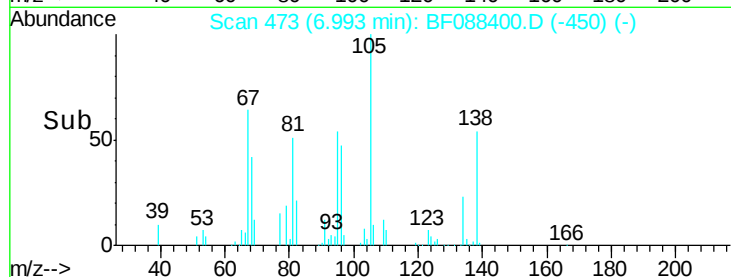
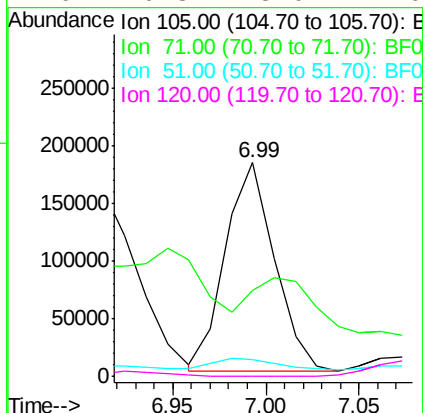
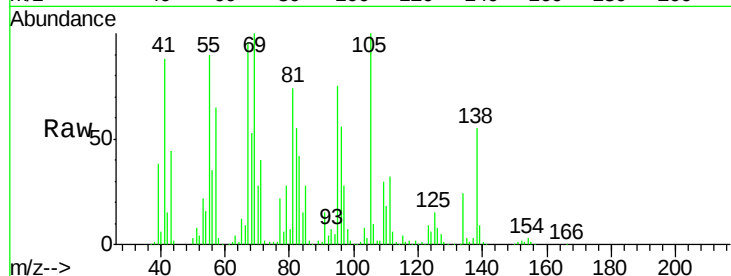




#22
Acetophenone
Concen: 130.01 ng
RT: 6.99 min Scan# 473
Delta R.T. -0.03 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

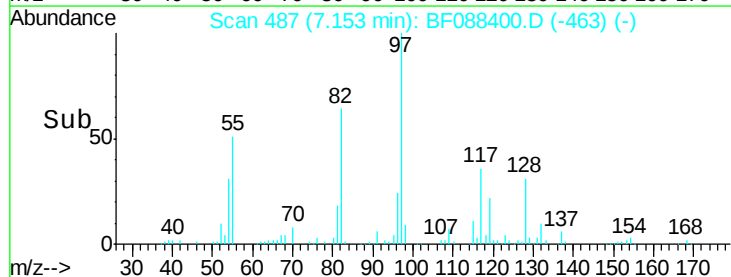
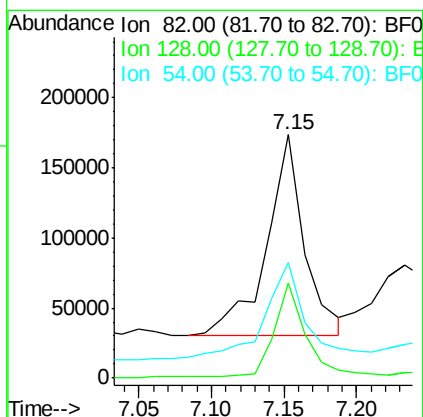
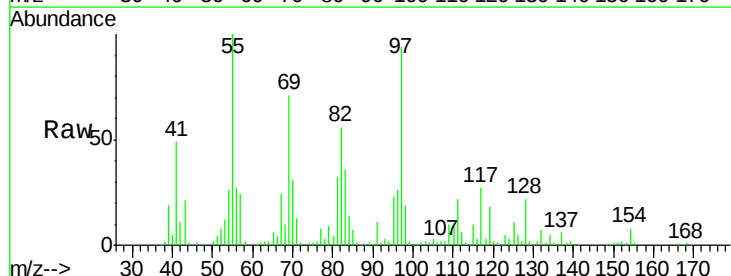
Instrument :
BNA_F
ClientSampleId :
B1GW

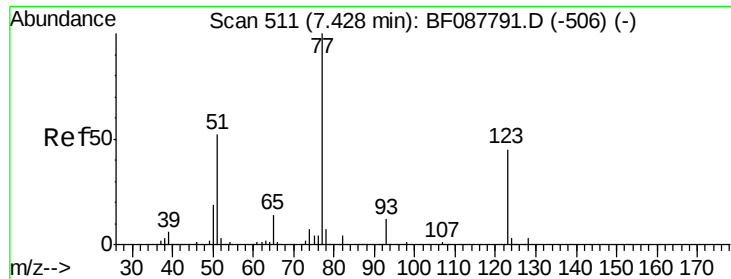
Tgt Ion:105 Resp: 332877
Ion Ratio Lower Upper
105 100
71 40.3 5.3 7.9#
51 8.1 18.2 27.4#
120 0.3 18.0 27.0#



#23
Nitrobenzene-d5
Concen: 132.76 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.02 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

Tgt Ion: 82 Resp: 260497
Ion Ratio Lower Upper
82 100
128 39.0 35.9 53.9
54 47.3 40.9 61.3

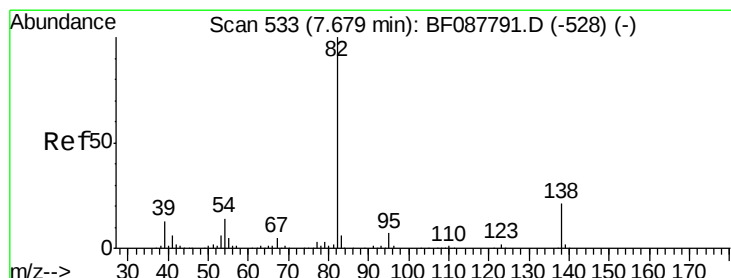
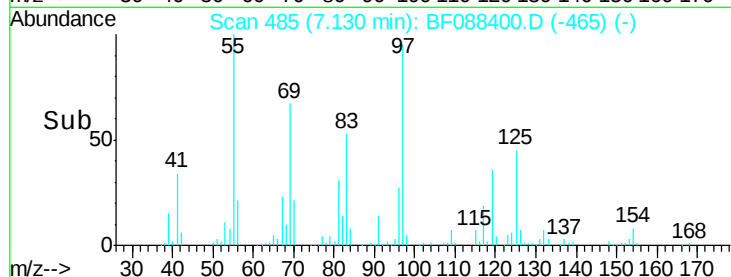
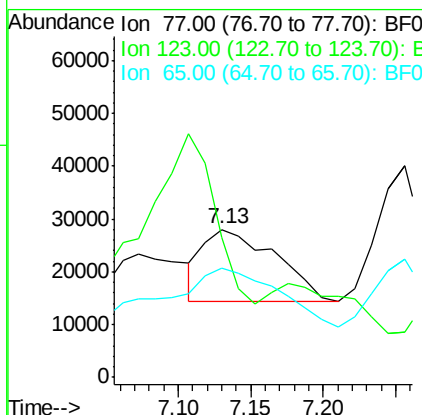
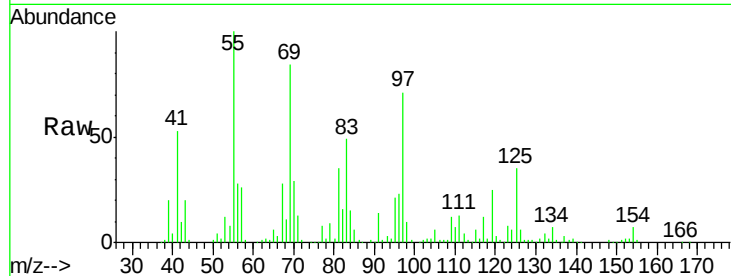




#24
Nitrobenzene
Concen: 24.49 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.07 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

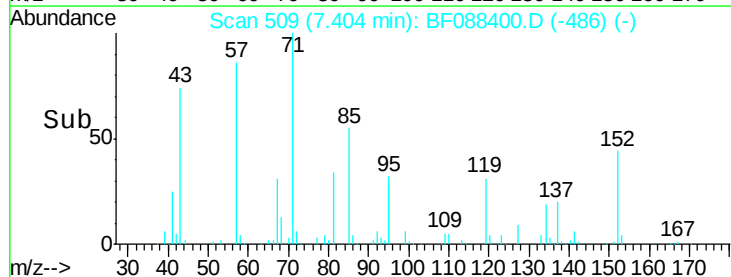
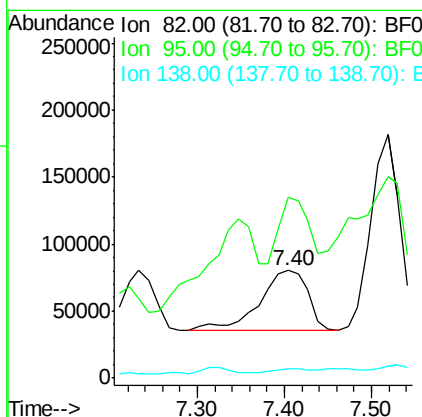
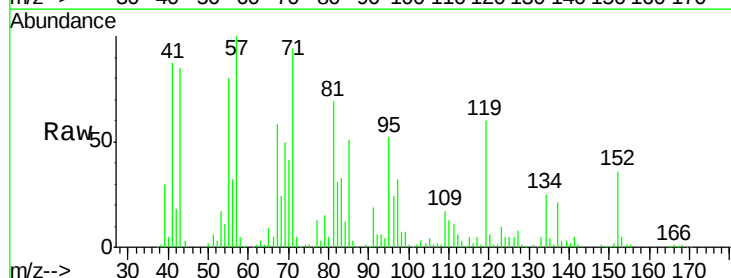
Instrument :
BNA_F
ClientSampled :
B1GW

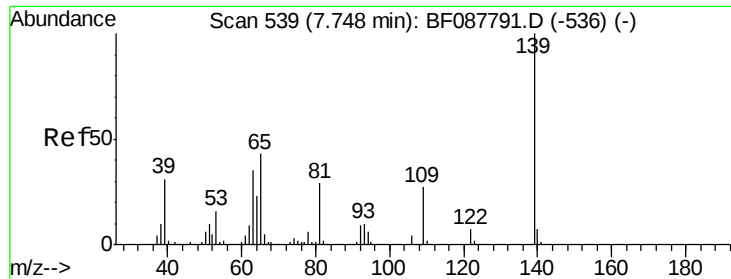
Tgt Ion: 77 Resp: 46552
Ion Ratio Lower Upper
77 100
123 94.4 45.0 67.4#
65 73.7 10.2 15.2#



#25
Isophorone
Concen: 47.95 ng
RT: 7.40 min Scan# 509
Delta R.T. -0.03 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

Tgt Ion: 82 Resp: 174275
Ion Ratio Lower Upper
82 100
95 168.5 5.4 8.2#
138 8.9 14.6 21.8#





#26

2-Nitrophenol

Concen: 48.05 ng

RT: 7.56 min Scan# 523

Delta R.T. 0.05 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampled :

B1GW

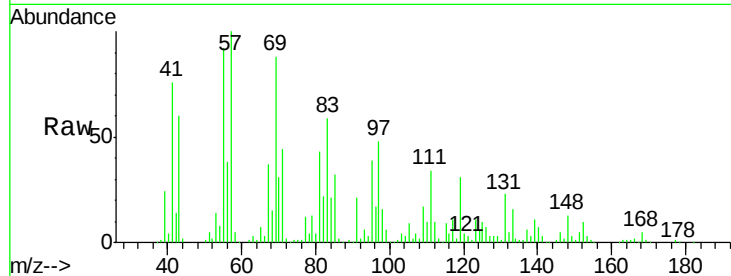
Tgt Ion:139 Resp: 48919

Ion Ratio Lower Upper

139 100

109 162.5 23.0 34.4#

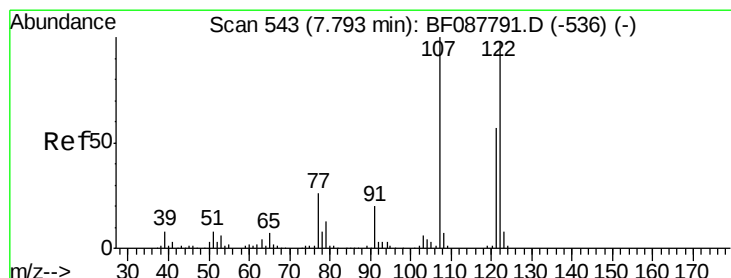
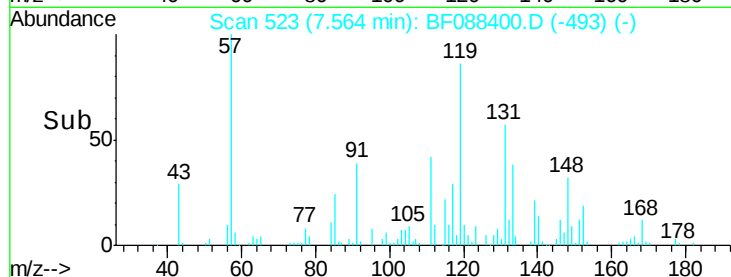
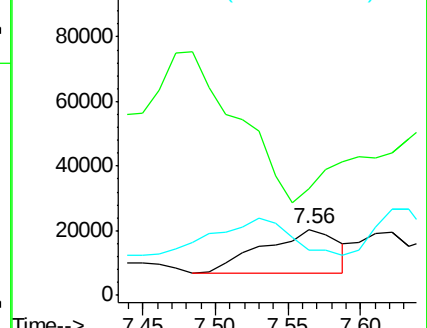
65 69.5 45.8 68.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#27

2,4-Dimethylphenol

Concen: 9.69 ng

RT: 7.53 min Scan# 520

Delta R.T. -0.05 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

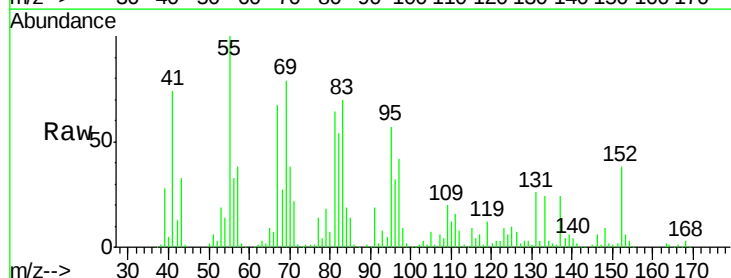
Tgt Ion:122 Resp: 18156

Ion Ratio Lower Upper

122 100

107 220.6 82.4 123.6#

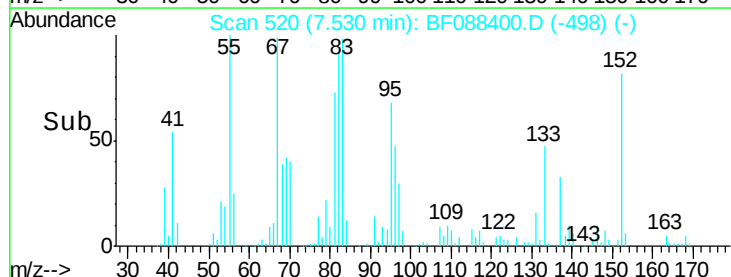
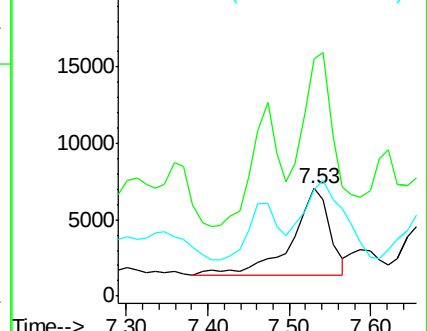
121 99.3 46.3 69.5#

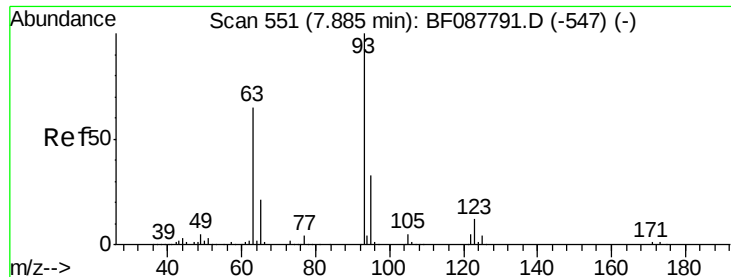


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

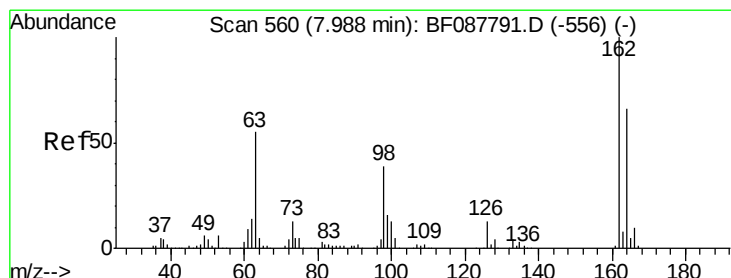
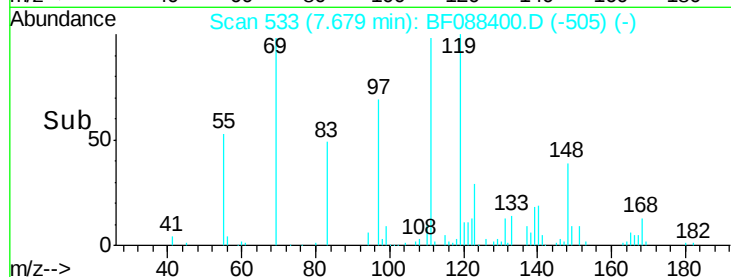
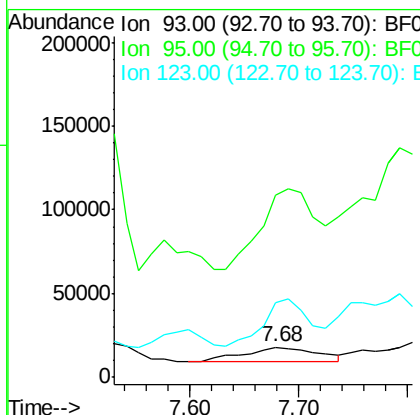
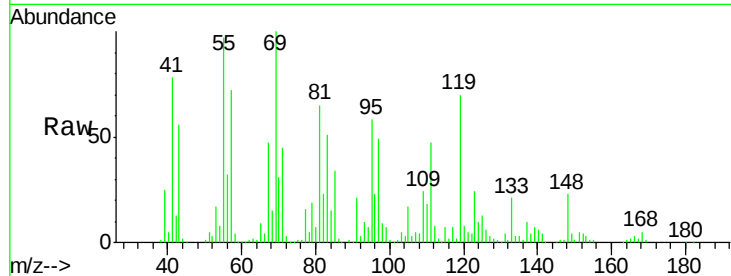




#28
bis(2-Chloroethoxy)methane
Concen: 18.83 ng
RT: 7.68 min Scan# 533
Delta R.T. 0.02 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

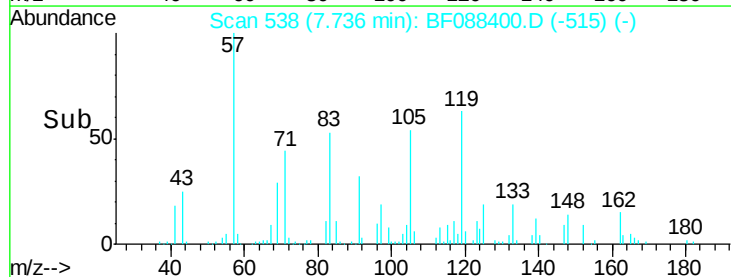
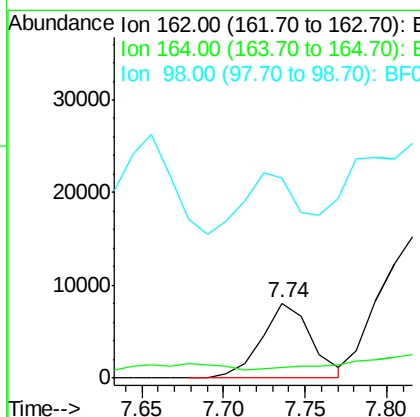
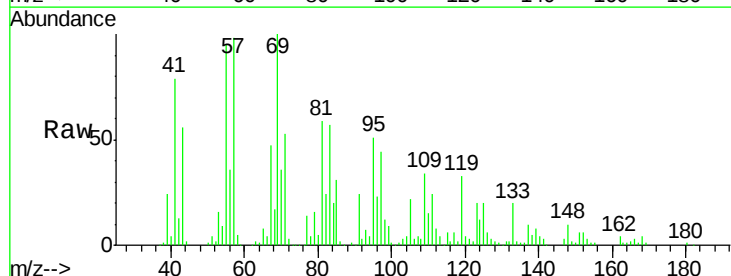
Instrument :
BNA_F
ClientSampleId :
B1GW

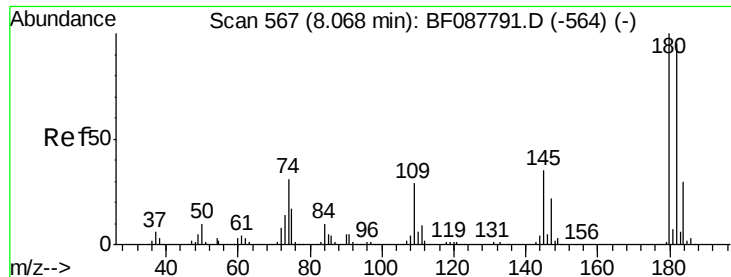
Tgt Ion: 93 Resp: 42451
Ion Ratio Lower Upper
93 100
95 606.5 26.5 39.7#
123 250.0 11.6 17.4#



#29
2,4-Dichlorophenol
Concen: 10.93 ng
RT: 7.74 min Scan# 538
Delta R.T. -0.03 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

Tgt Ion: 162 Resp: 17103
Ion Ratio Lower Upper
162 100
164 13.5 43.8 83.8#
98 267.7 21.3 61.3#

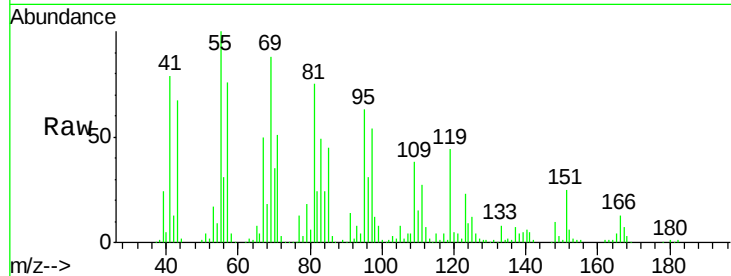




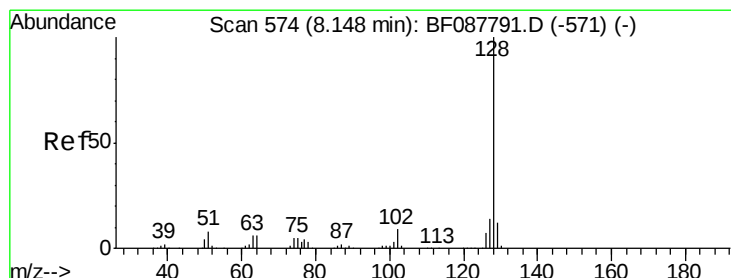
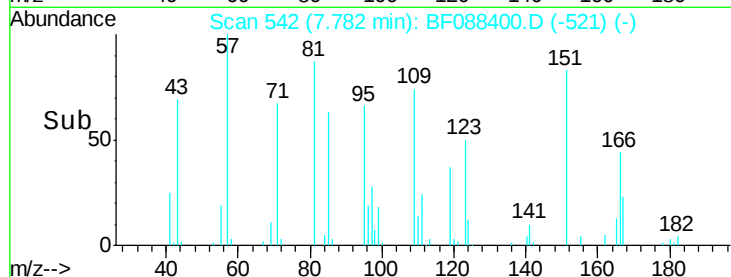
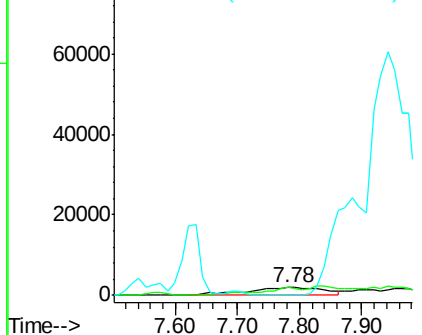
#30
1,2,4-Trichlorobenzene
Concen: 9.85 ng
RT: 7.78 min Scan# 542
Delta R.T. -0.06 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

Instrument :
BNA_F
ClientSampleId :
B1GW

Tgt Ion:180 Resp: 16788
Ion Ratio Lower Upper
180 100
182 101.2 76.0 114.0
145 0.0 26.5 39.7#

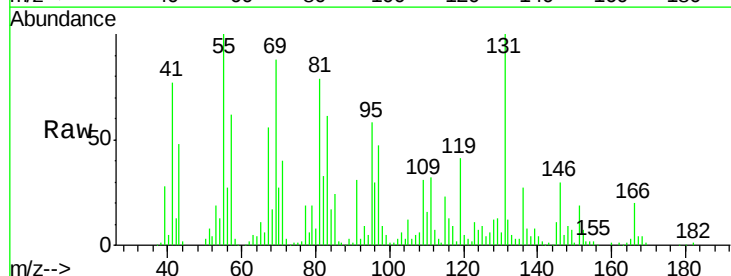


Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

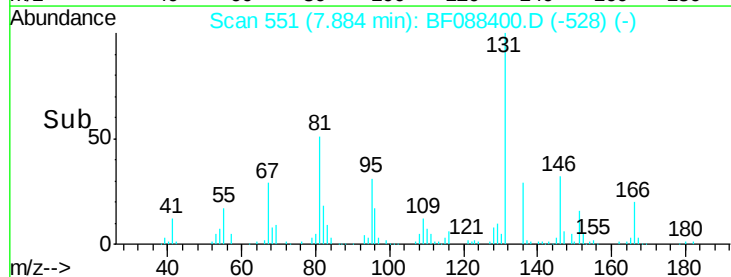
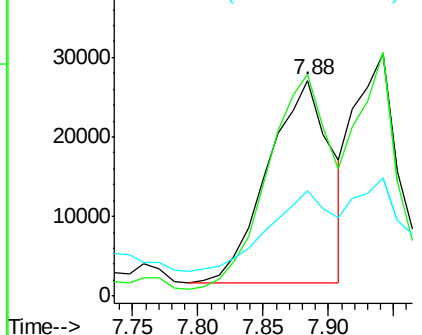


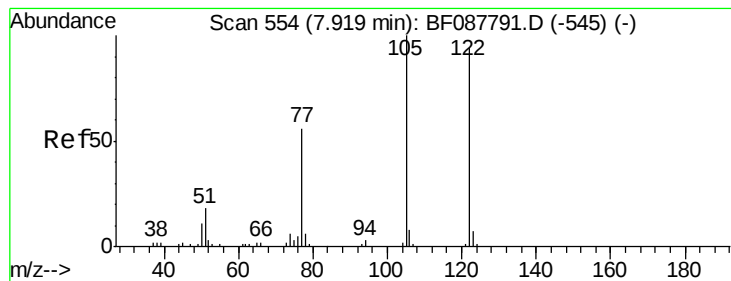
#31
Naphthalene
Concen: 15.14 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.03 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

Tgt Ion:128 Resp: 85837
Ion Ratio Lower Upper
128 100
129 102.6 9.4 14.2#
127 49.1 10.9 16.3#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 17.93 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.05 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampleId :

B1GW

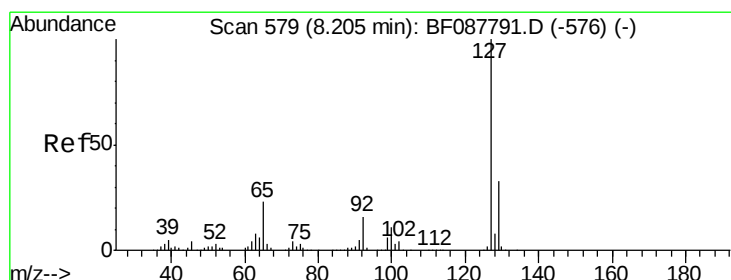
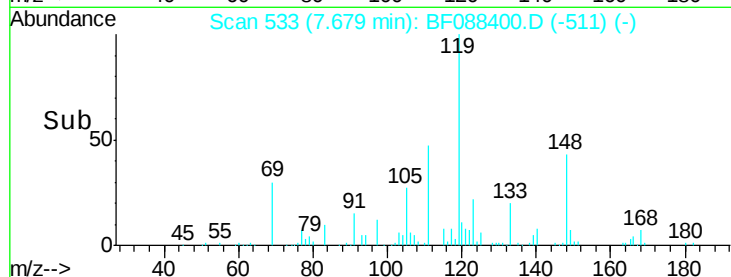
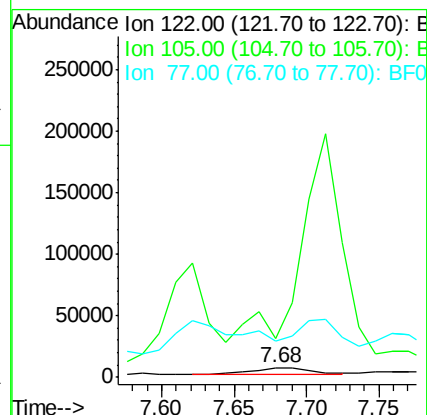
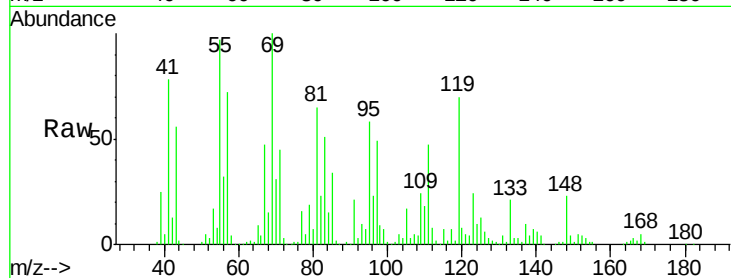
Tgt Ion:122 Resp: 18506

Ion Ratio Lower Upper

122 100

105 385.6 101.6 141.6#

77 364.6 70.6 110.6#



#33

4-Chloroaniline

Concen: 11.49 ng

RT: 7.94 min Scan# 556

Delta R.T. -0.03 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Tgt Ion:127 Resp: 29091

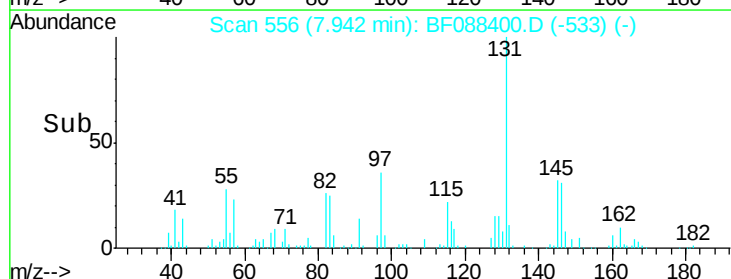
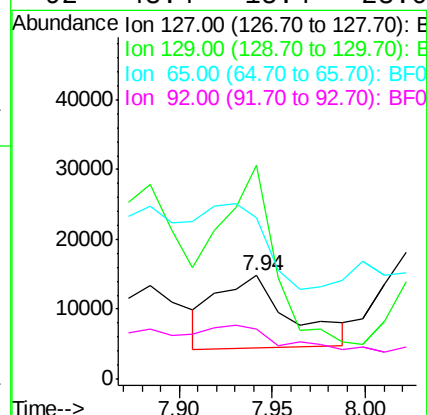
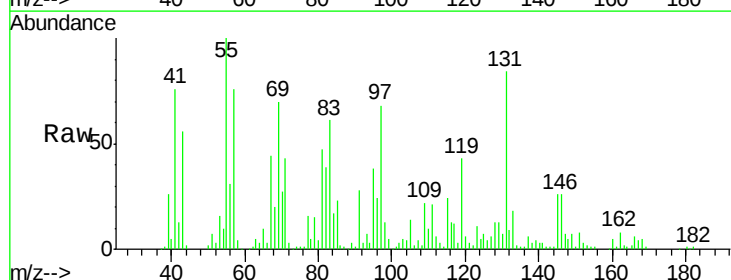
Ion Ratio Lower Upper

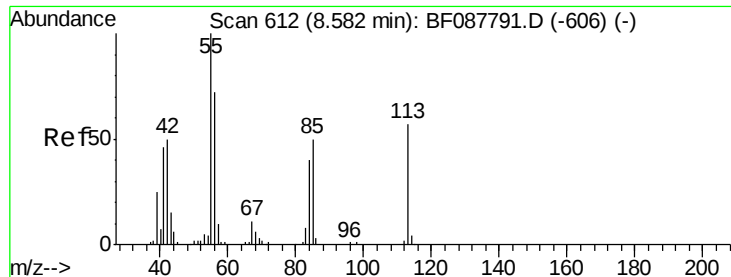
127 100

129 207.1 26.3 39.5#

65 156.5 24.7 37.1#

92 48.4 15.4 23.0#





#35

Caprolactam

Concen: 321.42 ng

RT: 8.35 min Scan# 592

Delta R.T. -0.01 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampleId :

B1GW

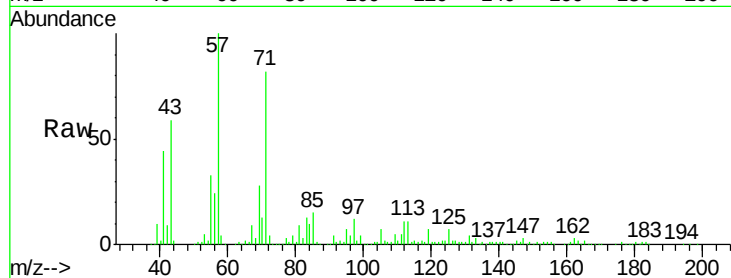
Tgt Ion:113 Resp: 166634

Ion Ratio Lower Upper

113 100

55 287.3 158.6 198.6#

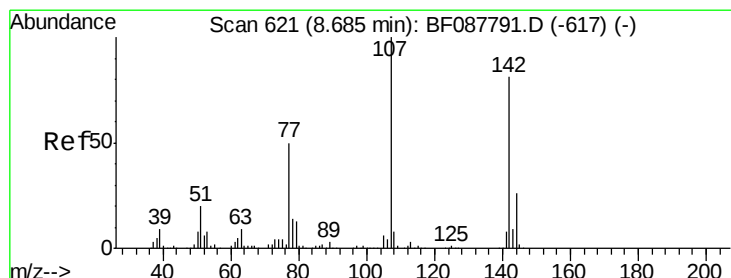
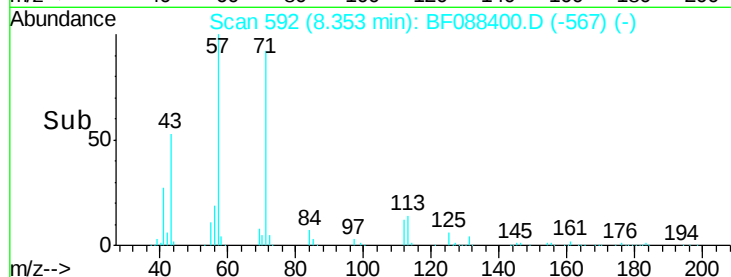
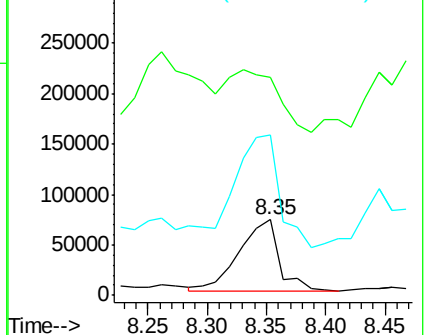
56 211.8 110.6 150.6#



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: 5.66 ng

RT: 8.42 min Scan# 598

Delta R.T. -0.06 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

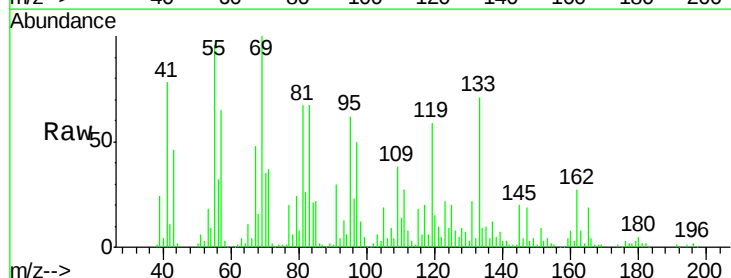
Tgt Ion:107 Resp: 9478

Ion Ratio Lower Upper

107 100

144 6.5 20.8 31.2#

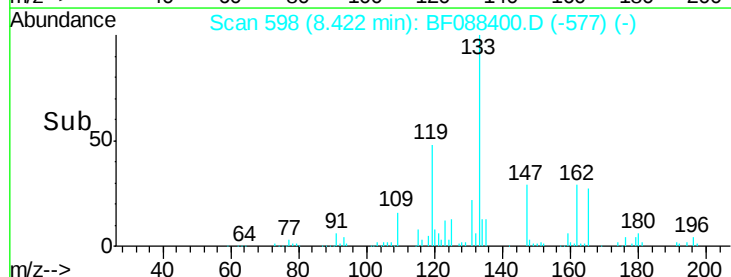
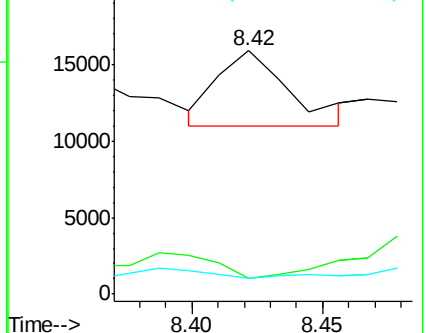
142 6.4 63.4 95.2#

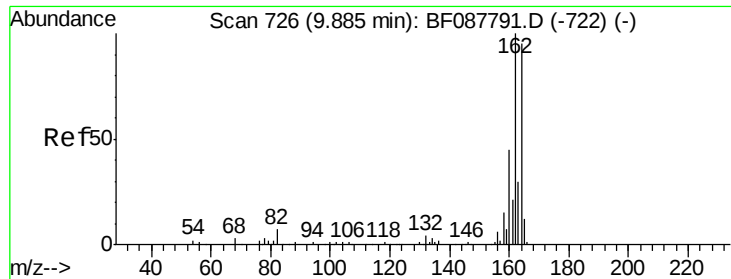


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.02 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampleId :

B1GW

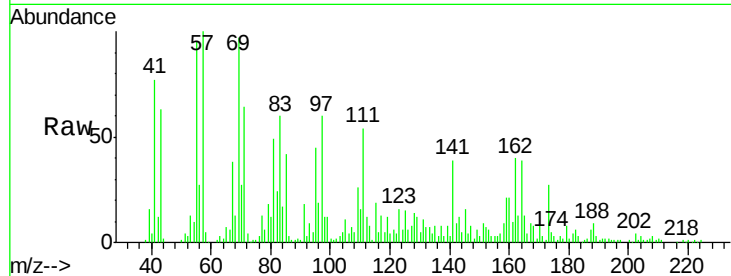
Tgt Ion:164 Resp: 66477

Ion Ratio Lower Upper

164 100

162 102.5 85.4 128.2

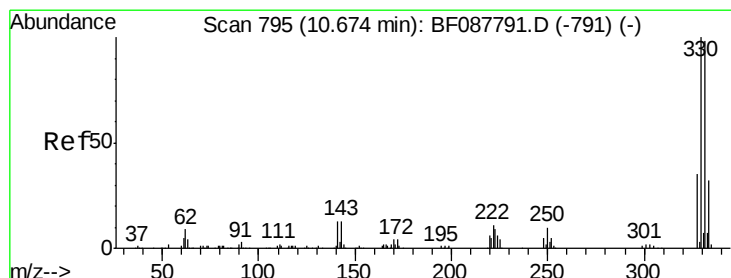
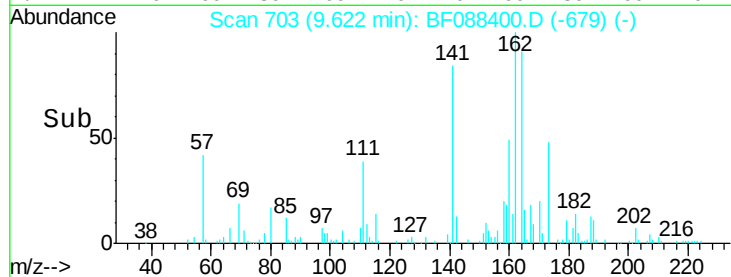
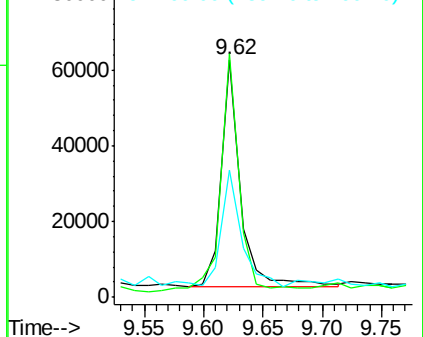
160 53.3 39.5 59.3



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: 140.53 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.03 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

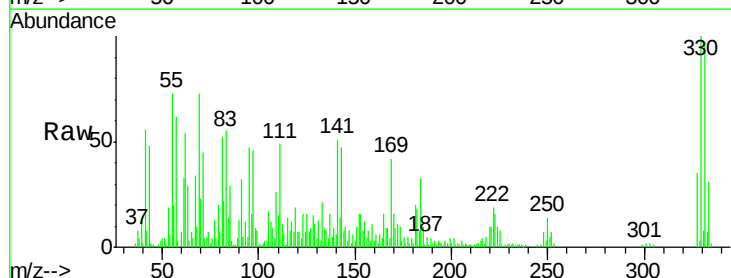
Tgt Ion:330 Resp: 98641

Ion Ratio Lower Upper

330 100

332 96.1 0.0 0.0#

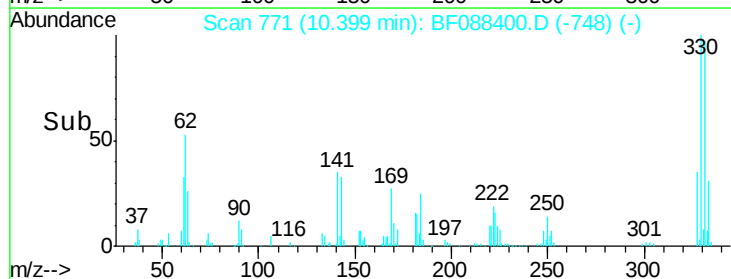
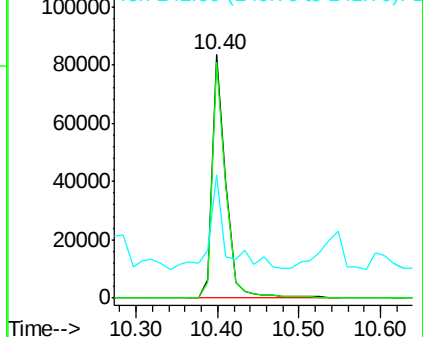
141 37.0 0.0 0.0#

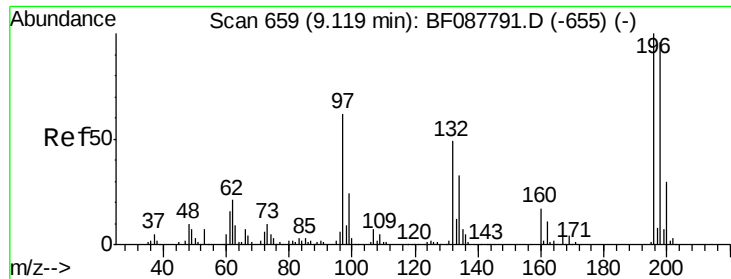


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

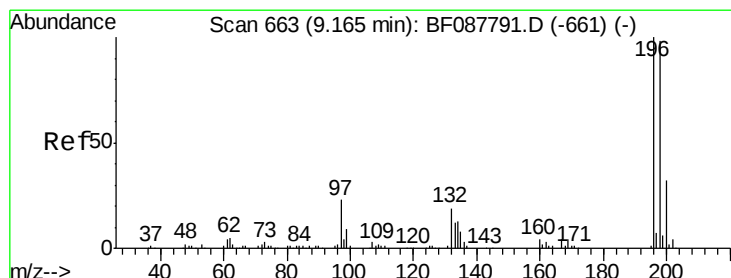
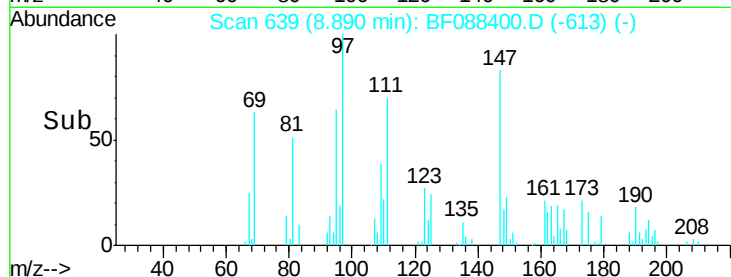
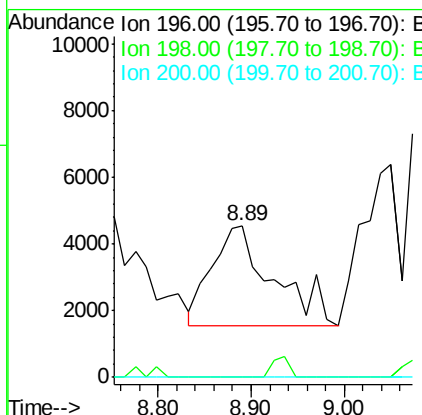
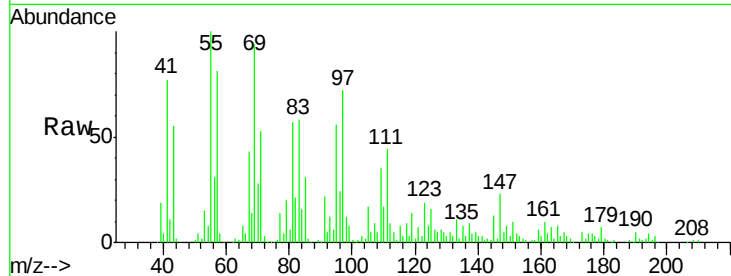




#42
2,4,6-Trichlorophenol
Concen: 10.43 ng
RT: 8.89 min Scan# 639
Delta R.T. -0.00 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

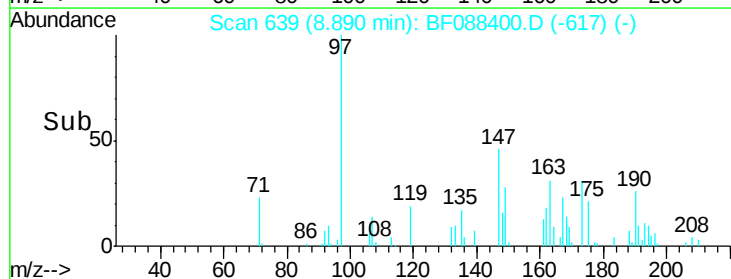
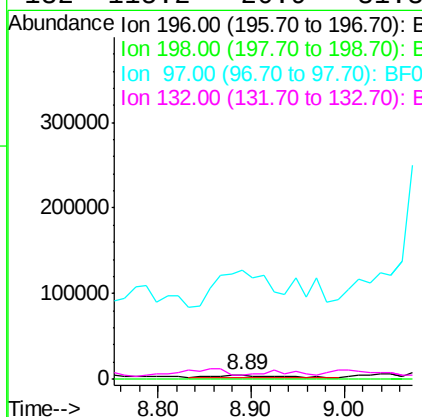
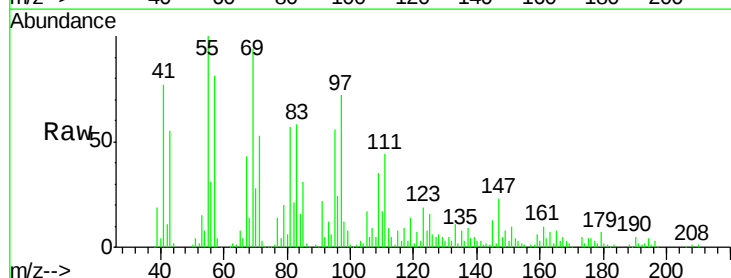
Instrument :
BNA_F
ClientSampleId :
B1GW

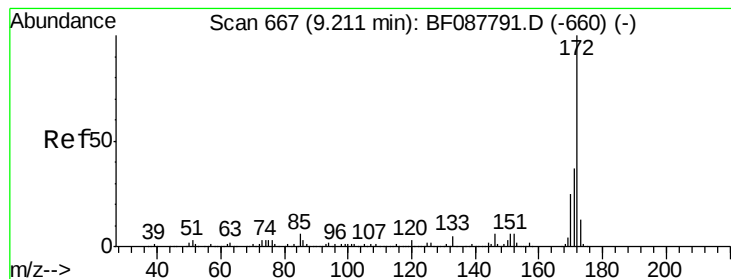
Tgt Ion:196 Resp: 13869
Ion Ratio Lower Upper
196 100
198 0.0 78.0 117.0#
200 0.0 25.4 38.2#



#43
2,4,5-Trichlorophenol
Concen: 10.03 ng
RT: 8.89 min Scan# 639
Delta R.T. -0.05 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

Tgt Ion:196 Resp: 13869
Ion Ratio Lower Upper
196 100
198 0.0 77.5 116.3#
97 2802.8 32.0 48.0#
132 115.2 20.9 31.3#





#44

2-Fluorobiphenyl

Concen: 98.62 ng

RT: 8.96 min Scan# 645

Delta R.T. -0.01 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampleId :

B1GW

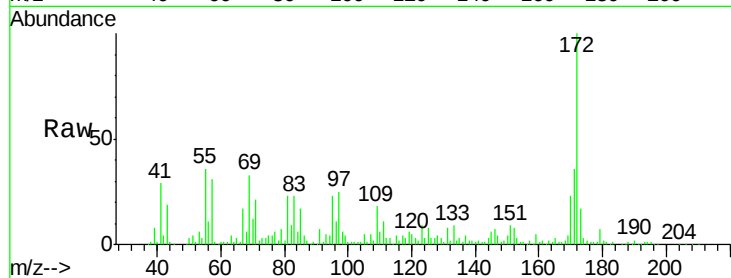
Tgt Ion:172 Resp: 413583

Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

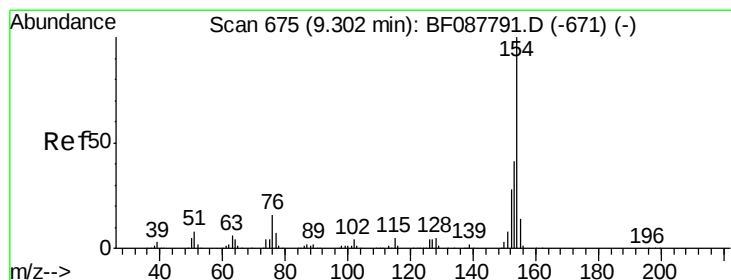
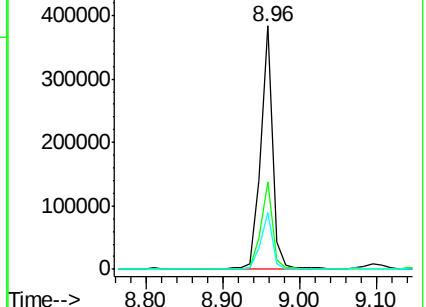
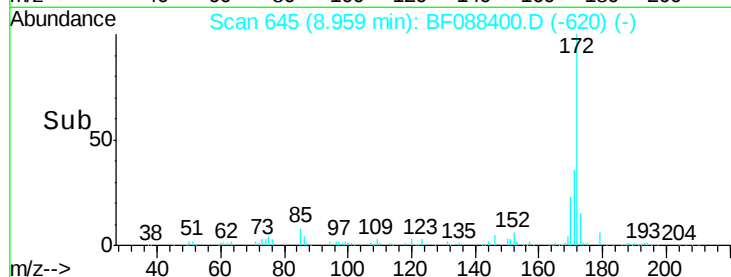
170 23.3 19.2 28.8



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



#45

1,1'-Biphenyl

Concen: 11.71 ng

RT: 9.06 min Scan# 654

Delta R.T. -0.01 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

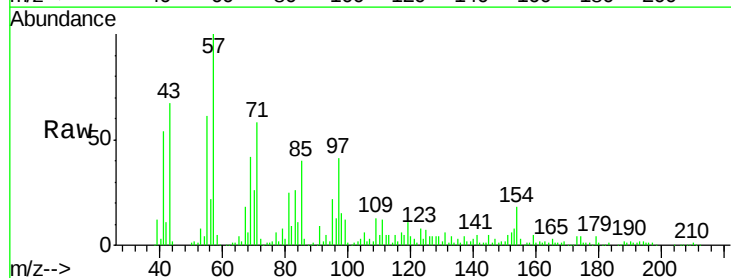
Tgt Ion:154 Resp: 81333

Ion Ratio Lower Upper

154 100

153 43.7 20.6 60.6

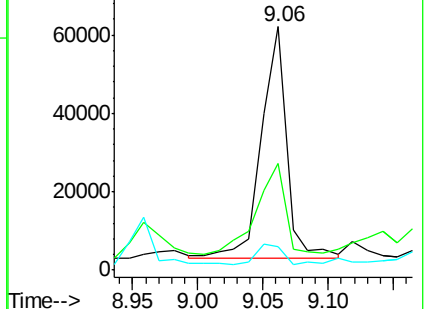
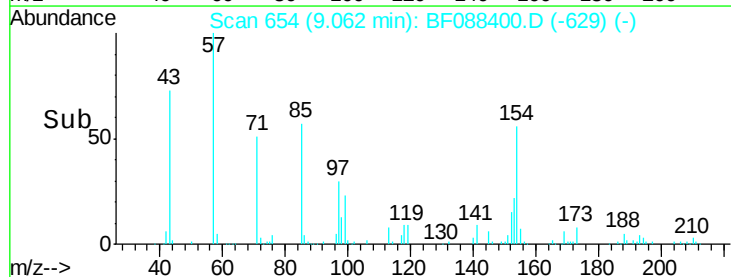
76 9.5 0.0 35.1

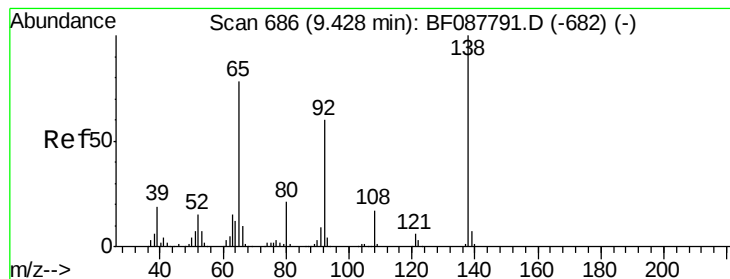


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#47

2-Nitroaniline

Concen: 9.10 ng

RT: 9.11 min Scan# 658

Delta R.T. -0.09 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampleId :

B1GW

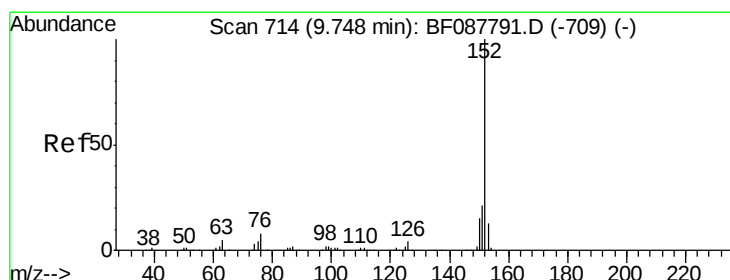
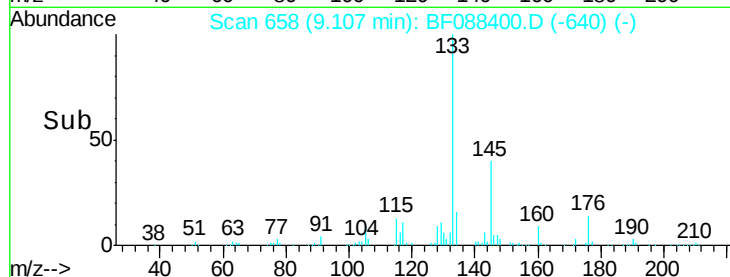
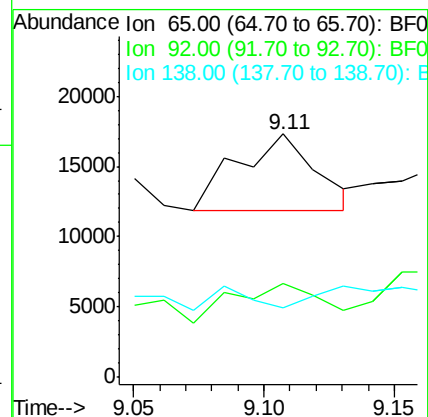
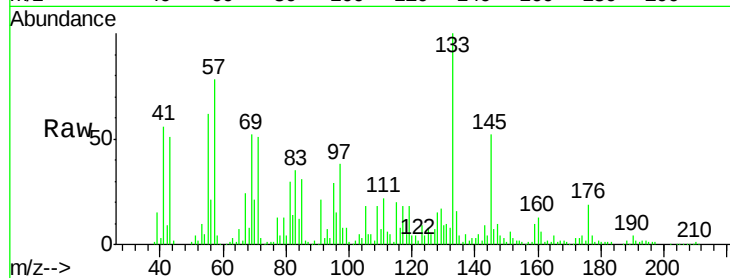
Tgt Ion: 65 Resp: 11549

Ion Ratio Lower Upper

65 100

92 38.4 54.6 82.0#

138 28.4 77.0 115.4#



#48

Acenaphthylene

Concen: 2.40 ng

RT: 9.48 min Scan# 691

Delta R.T. -0.02 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

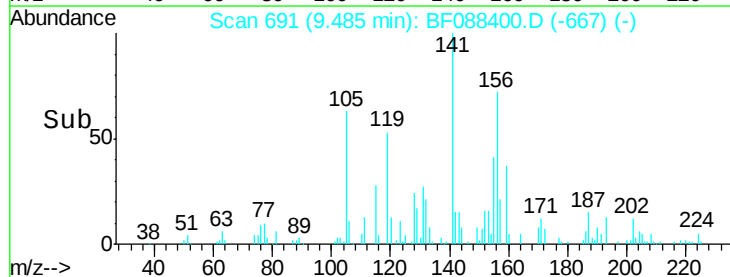
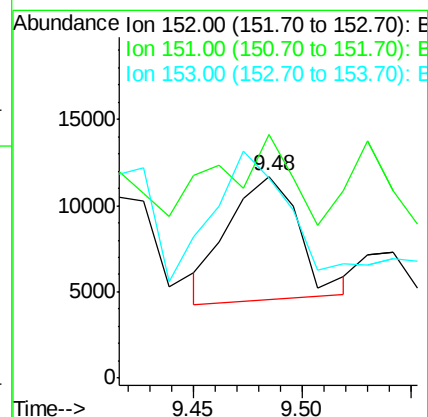
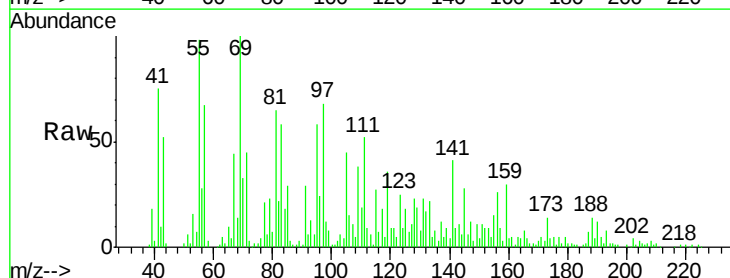
Tgt Ion: 152 Resp: 16404

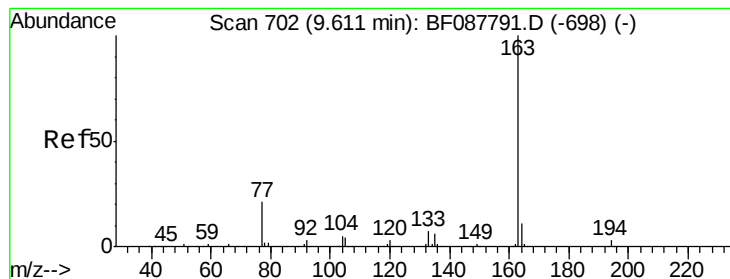
Ion Ratio Lower Upper

152 100

151 120.9 16.2 24.4#

153 99.1 11.0 16.6#





#49

Dimethylphthalate

Concen: 7.76 ng

RT: 9.35 min Scan# 679

Delta R.T. -0.03 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampleId :

B1GW

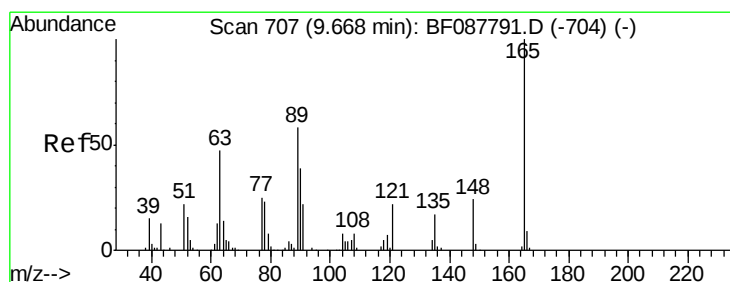
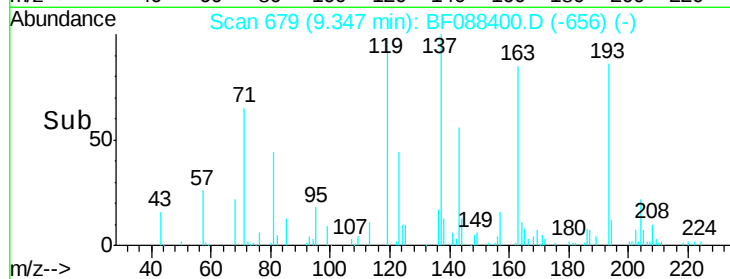
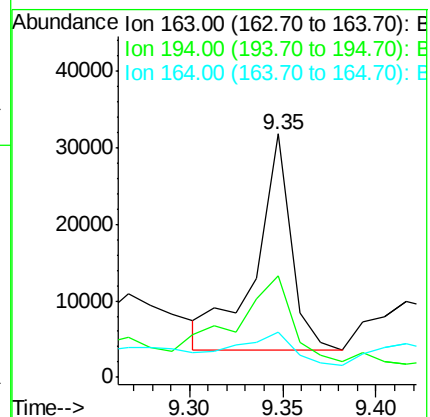
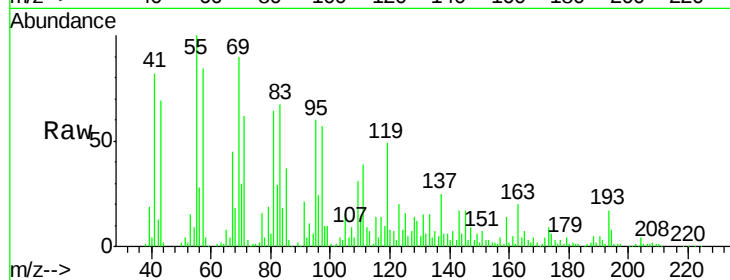
Tgt Ion:163 Resp: 37354

Ion Ratio Lower Upper

163 100

194 41.8 2.8 4.2#

164 18.5 8.3 12.5#



#50

2,6-Dinitrotoluene

Concen: 18.67 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.05 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

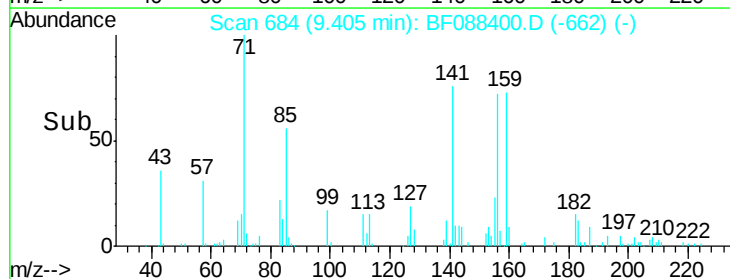
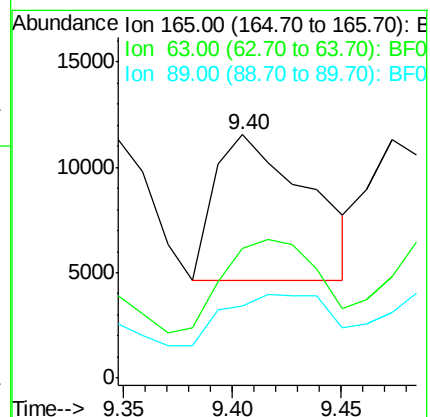
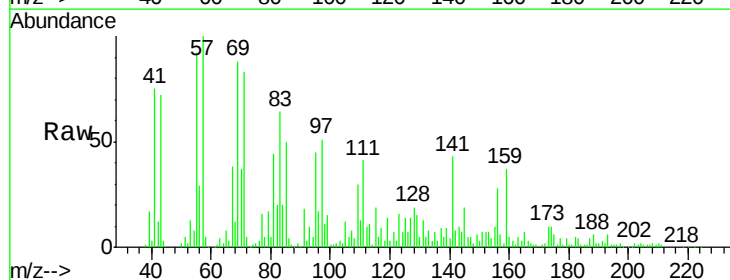
Tgt Ion:165 Resp: 20585

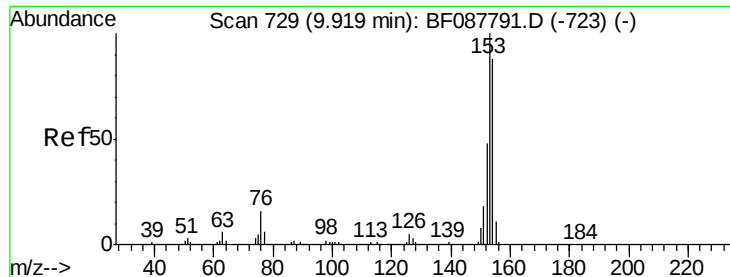
Ion Ratio Lower Upper

165 100

63 53.4 28.1 42.1#

89 29.4 32.2 48.2#





#51

Acenaphthene

Concen: 2.23 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.02 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampleId :

B1GW

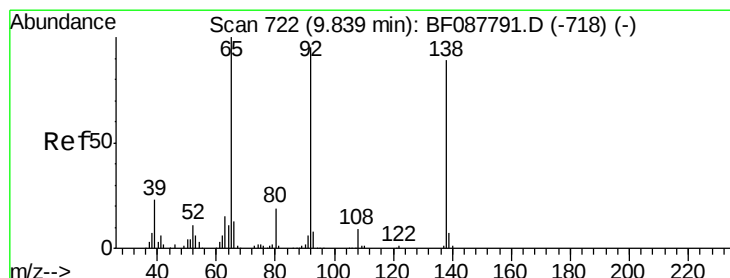
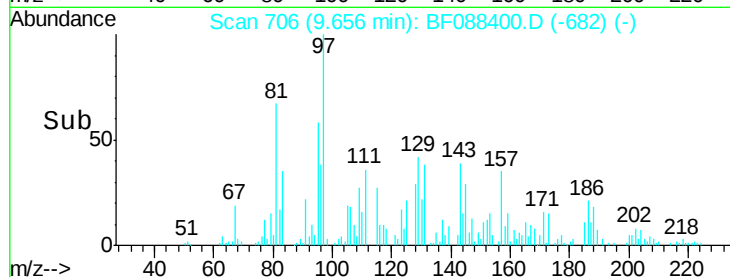
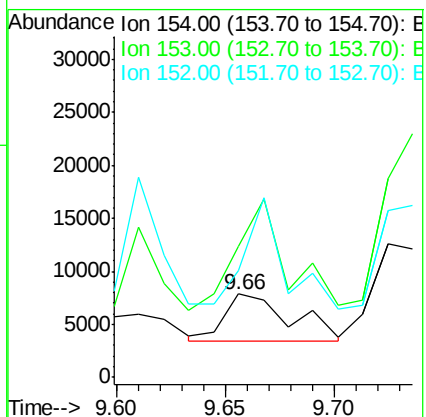
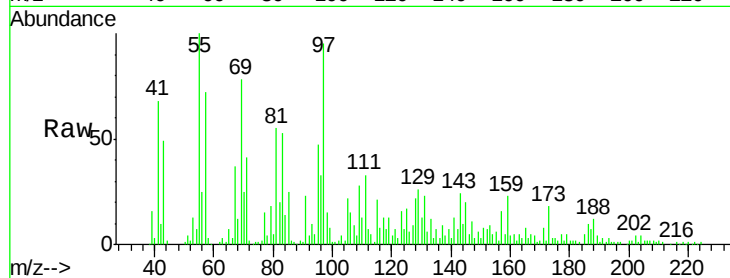
Tgt Ion:154 Resp: 9528

Ion Ratio Lower Upper

154 100

153 157.2 89.5 134.3#

152 128.0 42.7 64.1#



#52

3-Nitroaniline

Concen: 4.59 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.03 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

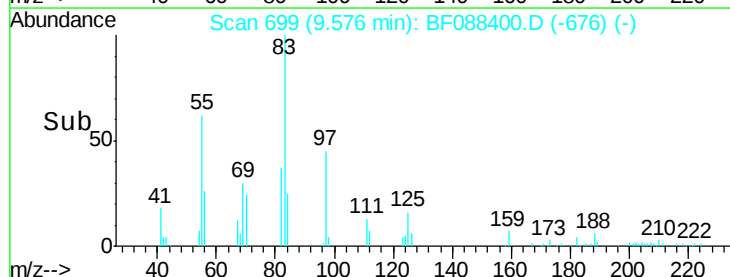
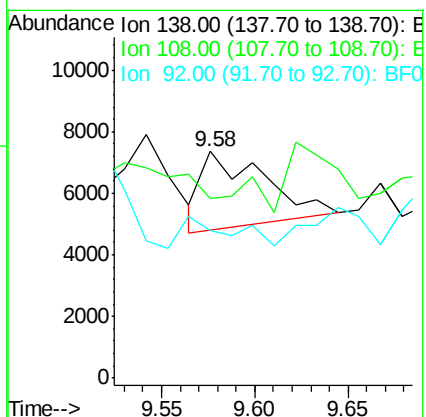
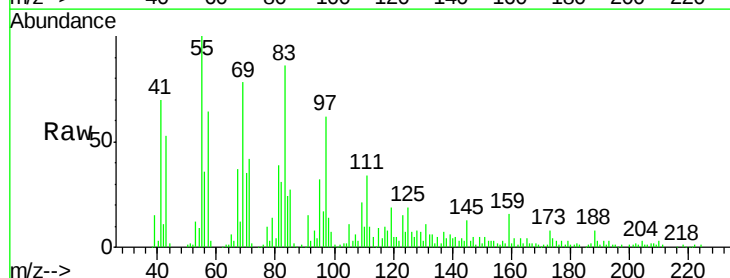
Tgt Ion:138 Resp: 5844

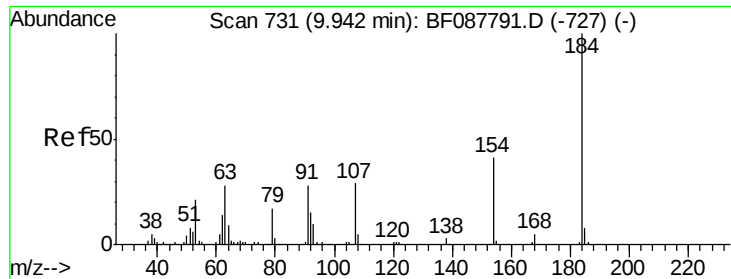
Ion Ratio Lower Upper

138 100

108 79.6 8.5 12.7#

92 65.5 95.7 143.5#

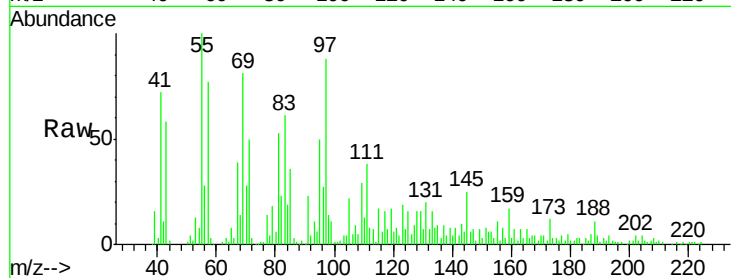




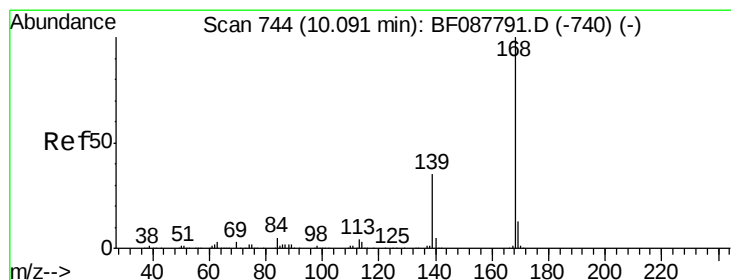
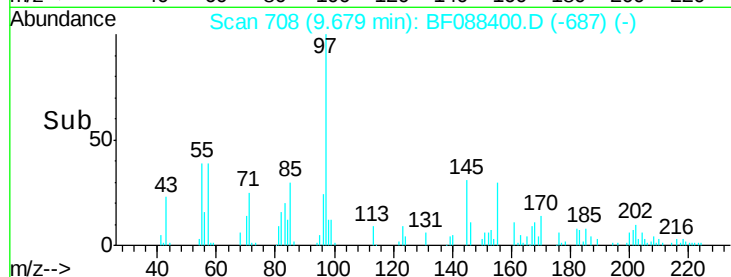
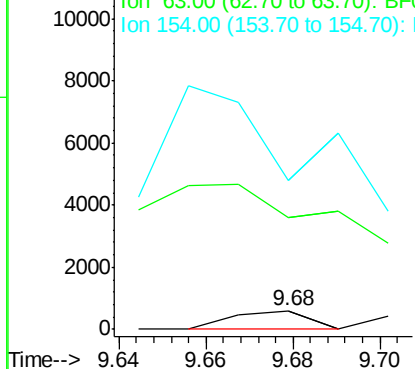
#53
2,4-Dinitrophenol
Concen: 4.60 ng
RT: 9.68 min Scan# 708
Delta R.T. -0.06 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

Instrument :
BNA_F
ClientSampled :
B1GW

Tgt Ion:184 Resp: 744
Ion Ratio Lower Upper
184 100
63 599.7 57.6 86.4#
154 797.2 53.5 80.3#

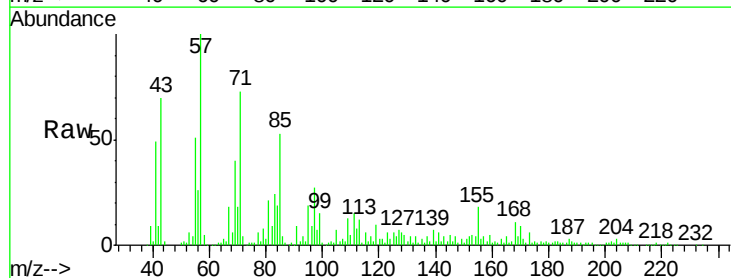


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

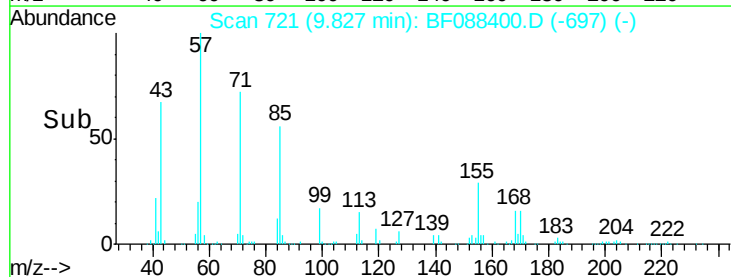
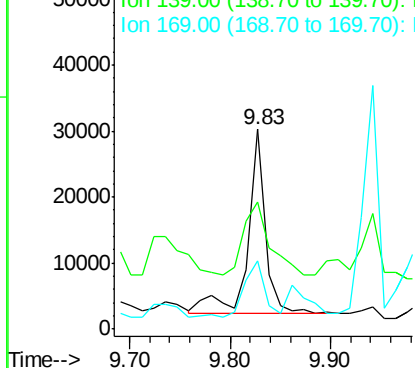


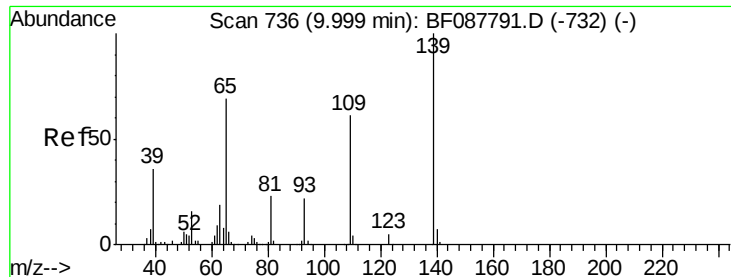
#54
Dibenzofuran
Concen: 5.77 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.02 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

Tgt Ion:168 Resp: 33900
Ion Ratio Lower Upper
168 100
139 63.9 26.4 39.6#
169 34.0 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

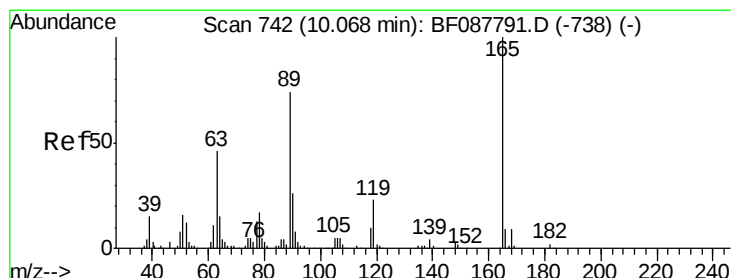
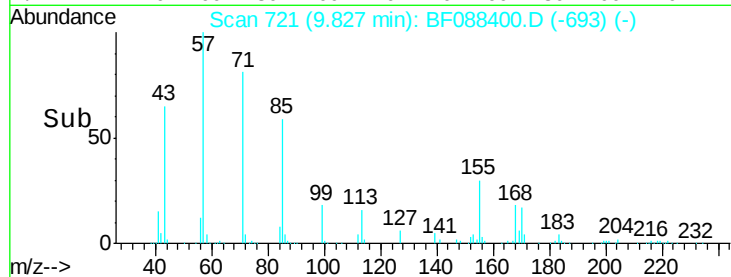
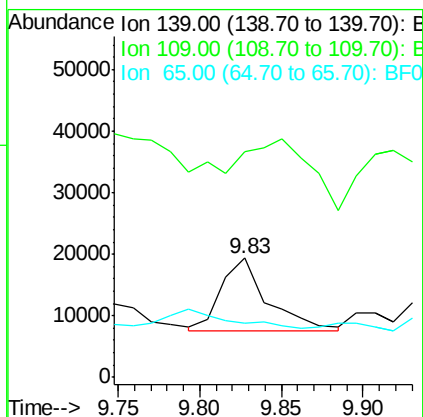
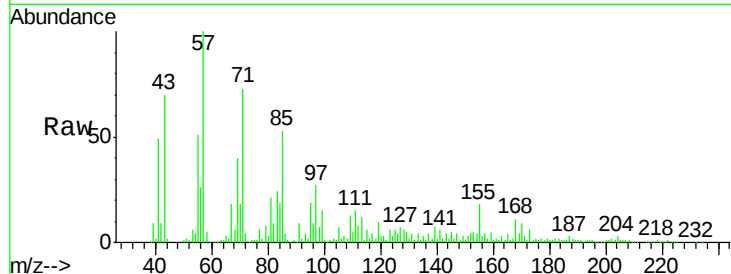




#55
4-Nitrophenol
Concen: 23.24 ng
RT: 9.83 min Scan# 721
Delta R.T. 0.02 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

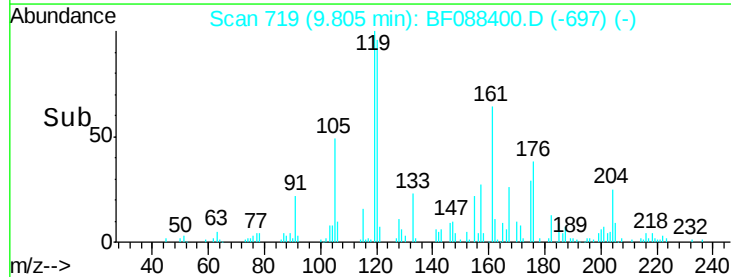
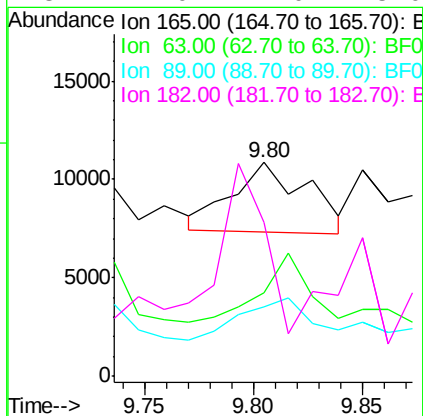
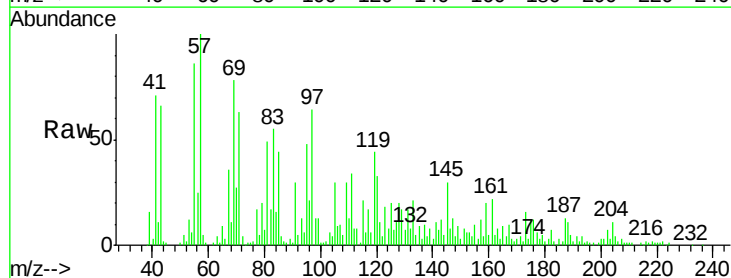
Instrument :
BNA_F
ClientSampleId :
B1GW

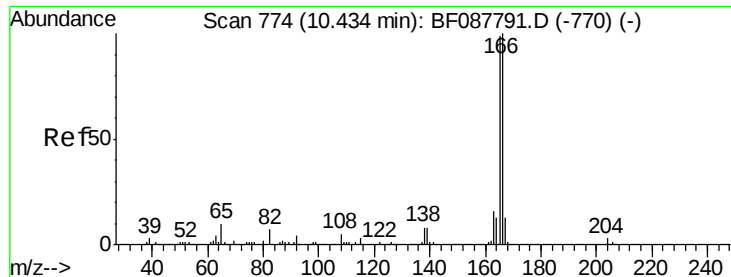
Tgt Ion:139 Resp: 22949
Ion Ratio Lower Upper
139 100
109 189.7 48.9 88.9#
65 45.4 84.9 124.9#



#56
2,4-Dinitrotoluene
Concen: 5.96 ng
RT: 9.80 min Scan# 719
Delta R.T. -0.05 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

Tgt Ion:165 Resp: 8447
Ion Ratio Lower Upper
165 100
63 39.2 22.0 33.0#
89 32.2 41.1 61.7#
182 72.0 2.0 3.0#





#57

Fluorene

Concen: 3.42 ng

RT: 10.16 min Scan# 750

Delta R.T. -0.03 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampleId :

B1GW

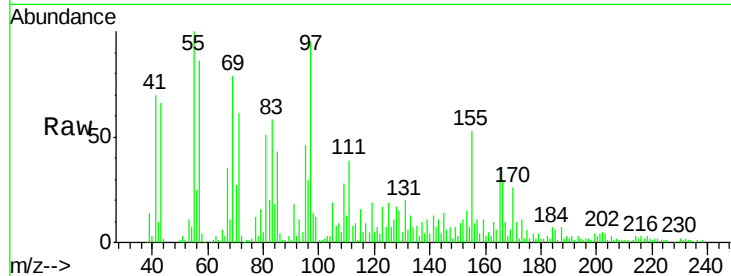
Tgt Ion:166 Resp: 31312

Ion Ratio Lower Upper

166 100

165 121.6 77.8 116.8#

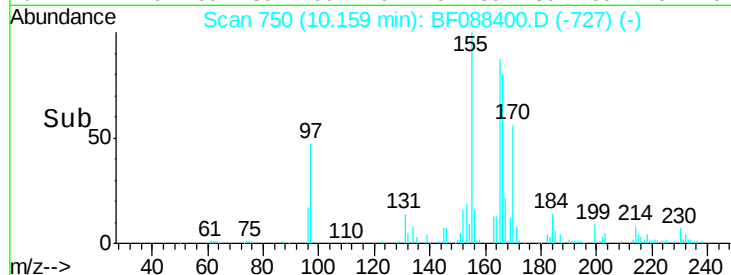
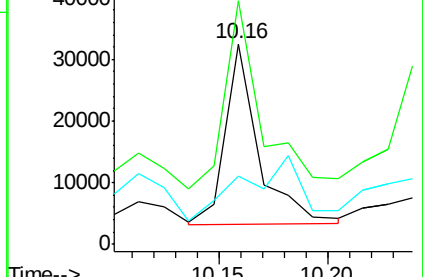
167 33.8 11.2 16.8#



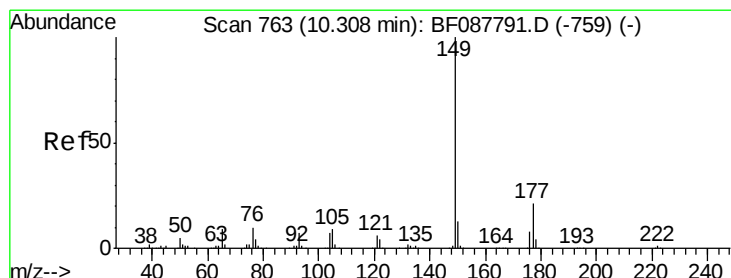
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#59

Diethylphthalate

Concen: 2.23 ng

RT: 10.03 min Scan# 739

Delta R.T. -0.05 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

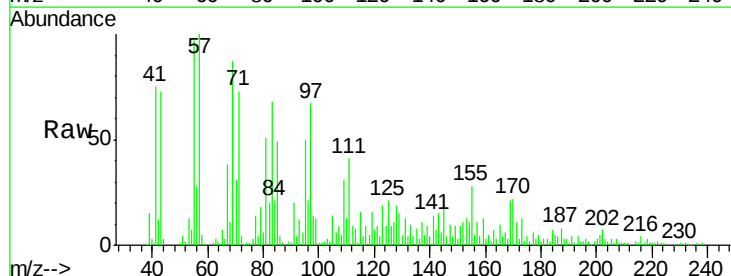
Tgt Ion:149 Resp: 10846

Ion Ratio Lower Upper

149 100

177 61.8 16.9 25.3#

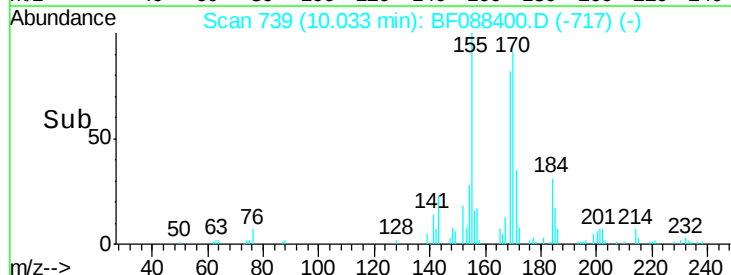
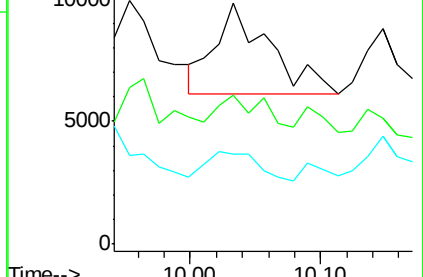
150 37.3 10.1 15.1#



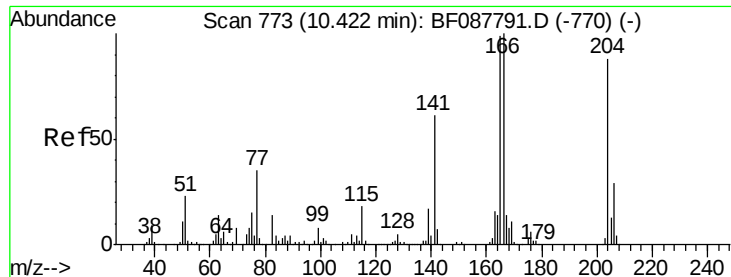
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



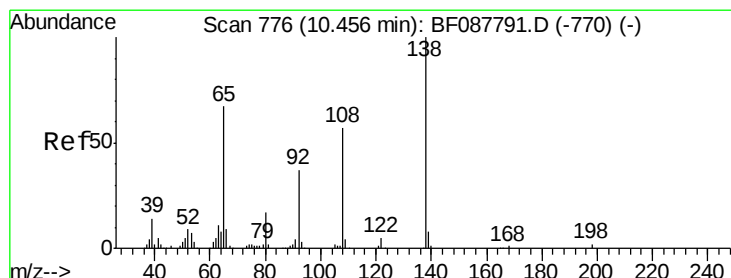
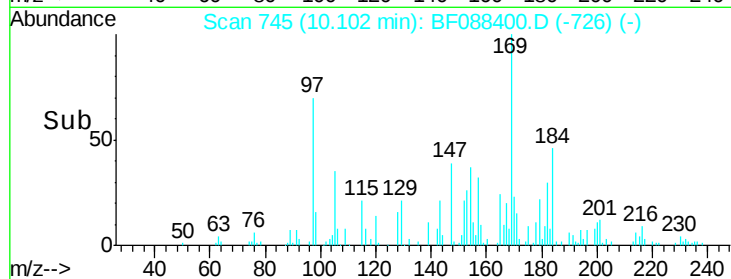
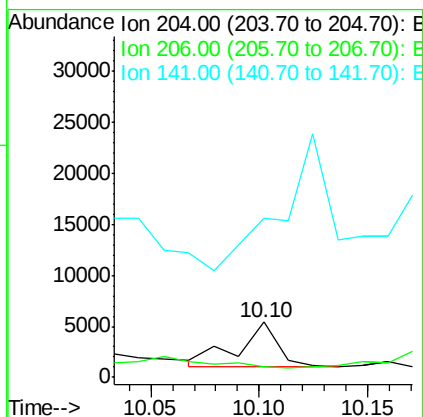
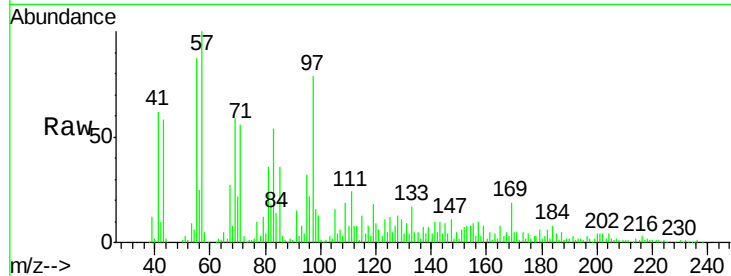
Time-->



#60
4-Chlorophenyl-phenylether
Concen: 2.94 ng
RT: 10.10 min Scan# 745
Delta R.T. -0.08 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

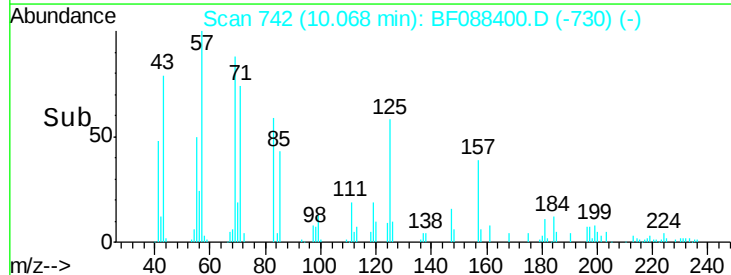
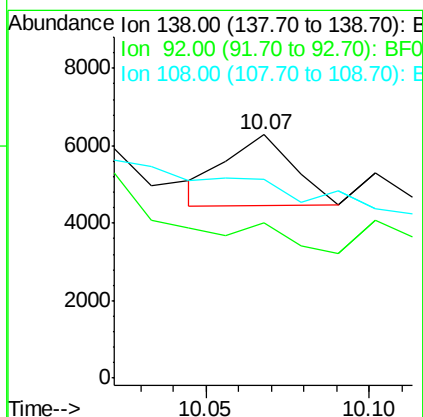
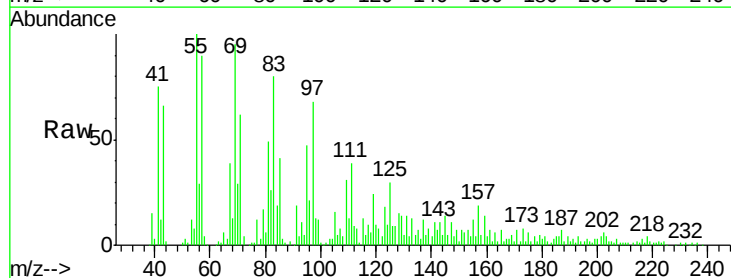
Instrument :
BNA_F
ClientSampleId :
B1GW

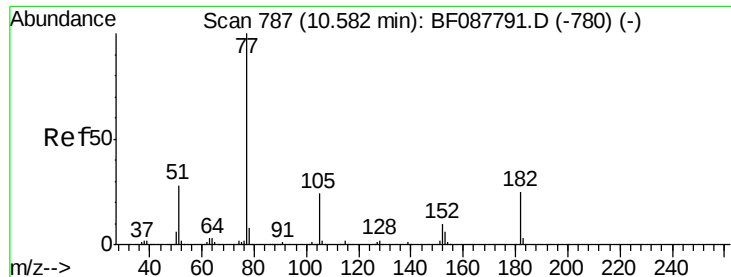
Tgt Ion:204 Resp: 5745
Ion Ratio Lower Upper
204 100
206 19.8 26.3 39.5#
141 289.8 55.0 82.6#



#61
4-Nitroaniline
Concen: 2.16 ng
RT: 10.07 min Scan# 742
Delta R.T. -0.16 min
Lab File: BF088400.D
Acq: 26 Jun 2016 4:36

Tgt Ion:138 Resp: 2608
Ion Ratio Lower Upper
138 100
92 64.0 27.3 67.3
108 81.4 46.7 86.7





#62

Azobenzene

Concen: 2.26 ng

RT: 10.32 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampleId :

B1GW

Tgt Ion: 77 Resp: 10876

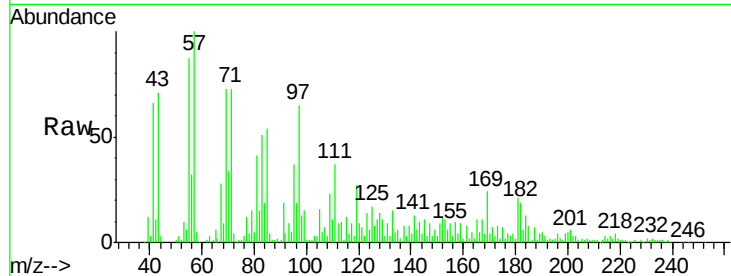
Ion Ratio Lower Upper

77 100

182 162.3 4.4 44.4#

105 136.4 3.8 43.8#

51 25.9 9.3 49.3

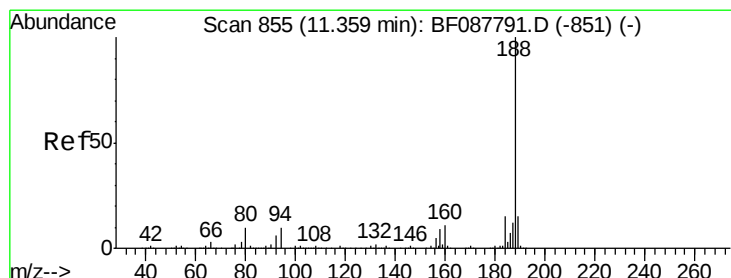
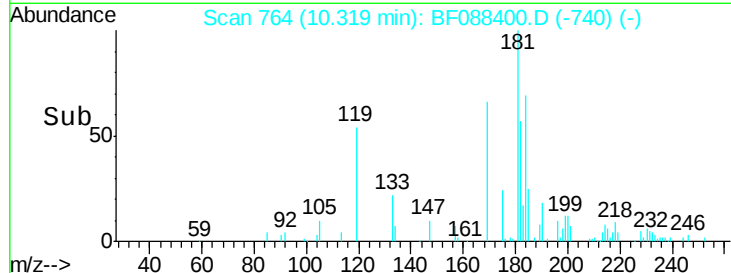
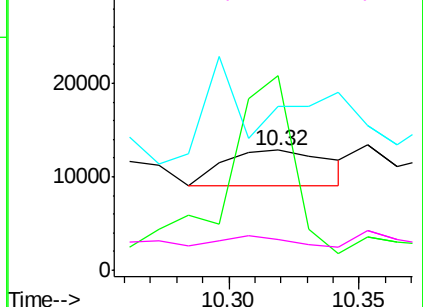


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.08 min Scan# 831

Delta R.T. -0.03 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

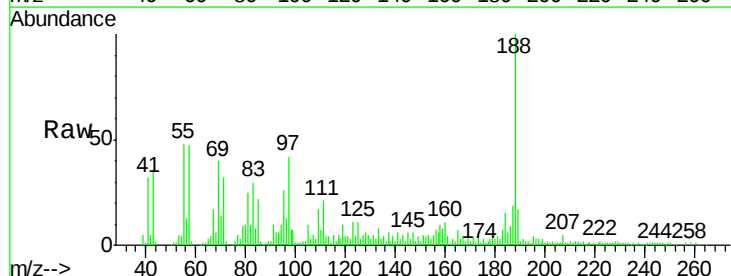
Tgt Ion: 188 Resp: 150882

Ion Ratio Lower Upper

188 100

94 9.6 9.0 13.6

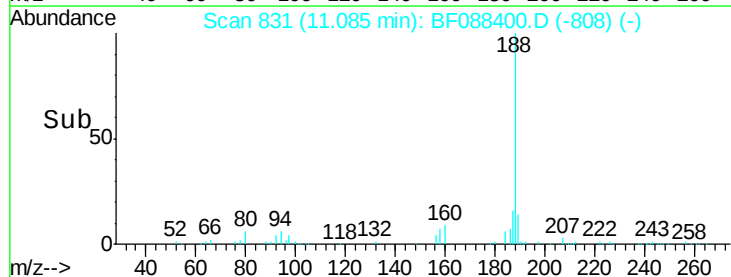
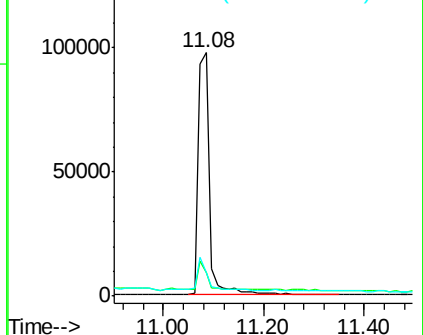
80 9.7 10.0 15.0#

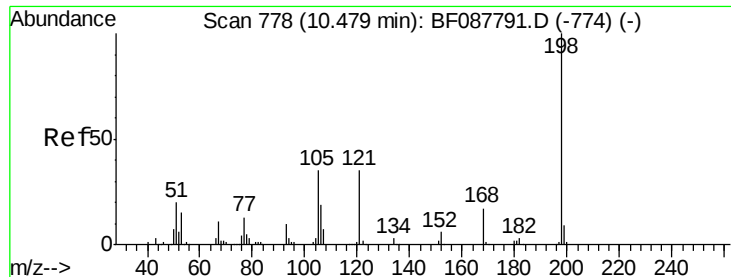


Abundance Ion 188.00 (187.70 to 188.70): E

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: 3.96 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampleId :

B1GW

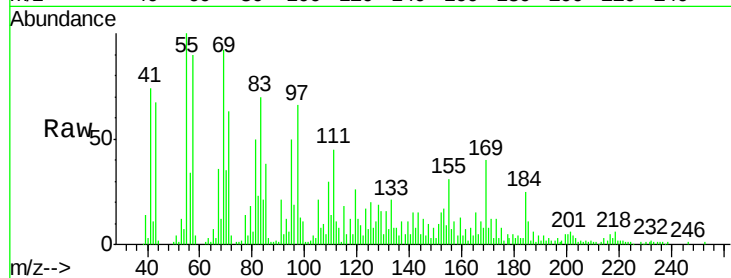
Tgt Ion:198 Resp: 1771

Ion Ratio Lower Upper

198 100

51 229.4 39.6 79.6#

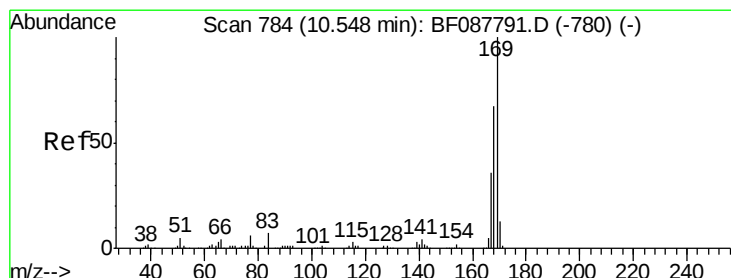
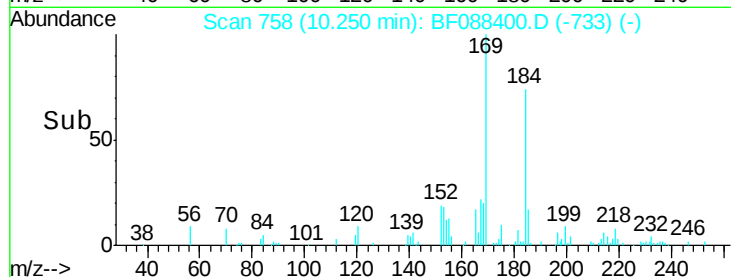
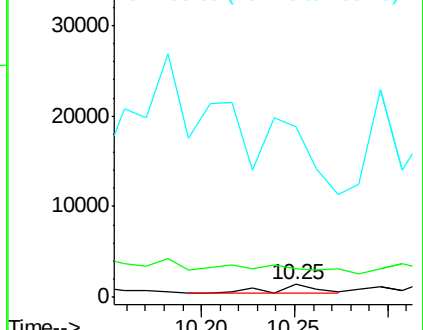
105 1347.7 36.6 76.6#



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



#65

n-Nitrosodiphenylamine

Concen: 16.67 ng

RT: 10.27 min Scan# 760

Delta R.T. -0.03 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

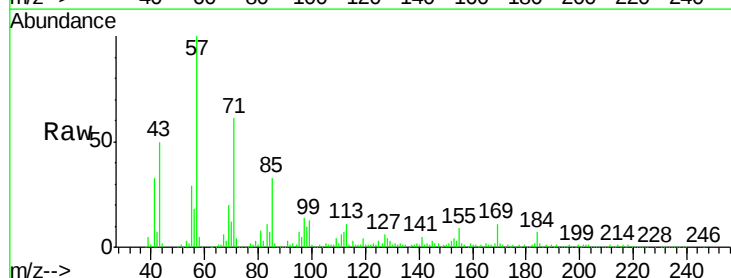
Tgt Ion:169 Resp: 83483

Ion Ratio Lower Upper

169 100

168 14.6 53.4 80.0#

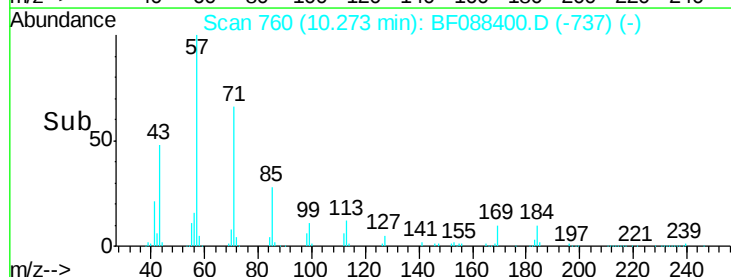
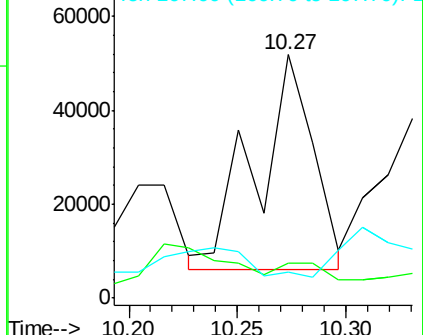
167 10.5 29.4 44.0#

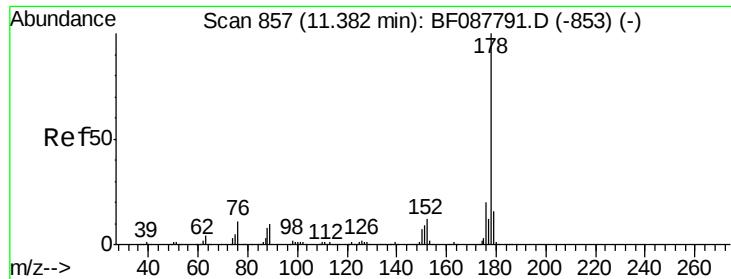


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 8.85 ng

RT: 11.11 min Scan# 833

Delta R.T. -0.03 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampleId :

B1GW

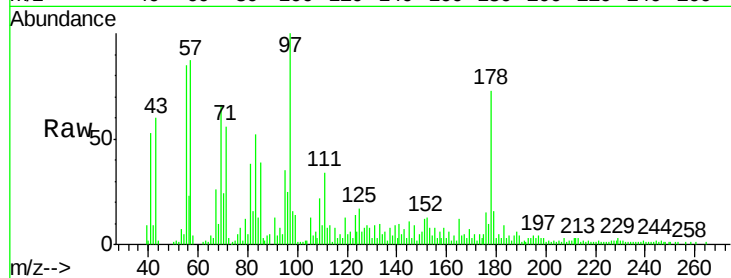
Tgt Ion:178 Resp: 70057

Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.6

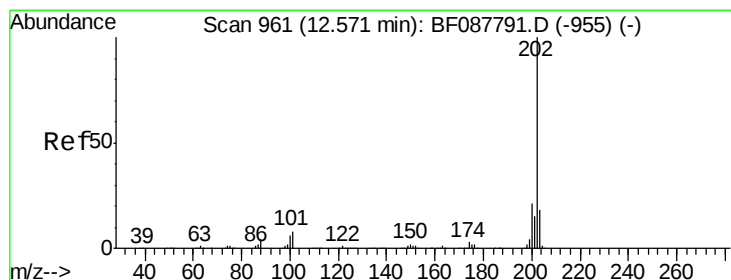
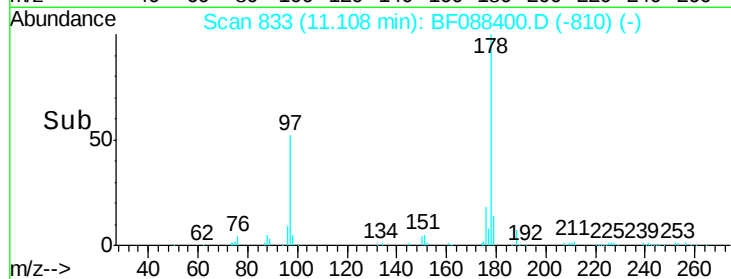
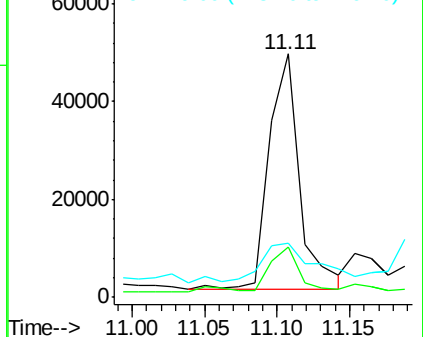
179 22.1 13.0 19.4#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 4.38 ng

RT: 12.27 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

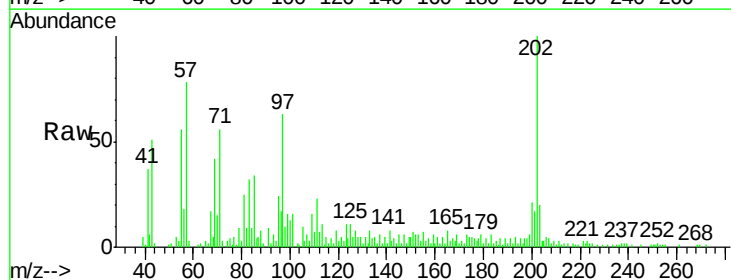
Tgt Ion:202 Resp: 36634

Ion Ratio Lower Upper

202 100

101 15.6 0.0 33.1

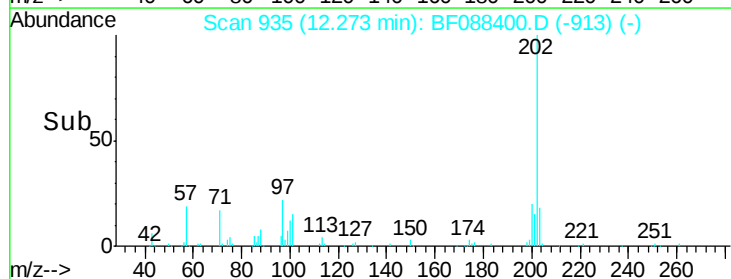
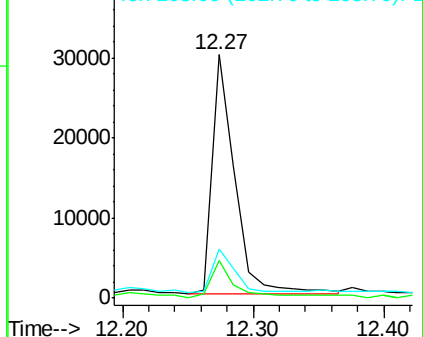
203 20.3 0.0 38.1

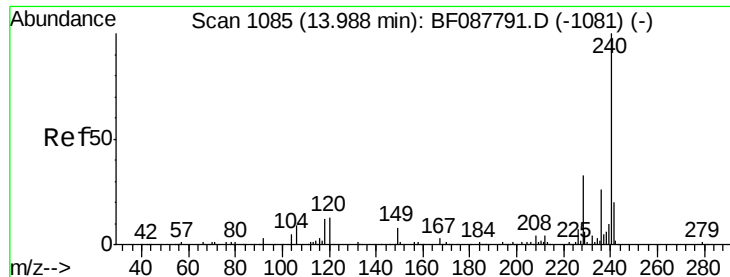


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.06 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampled :

B1GW

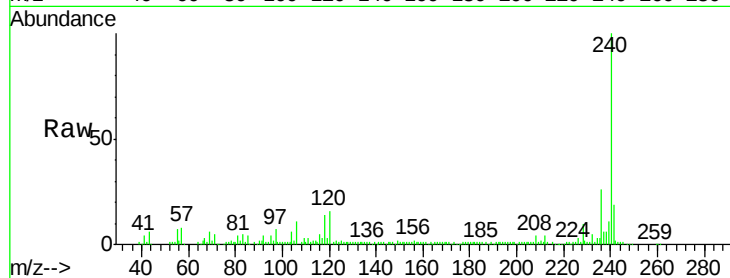
Tgt Ion:240 Resp: 140825

Ion Ratio Lower Upper

240 100

120 16.2 6.8 10.2#

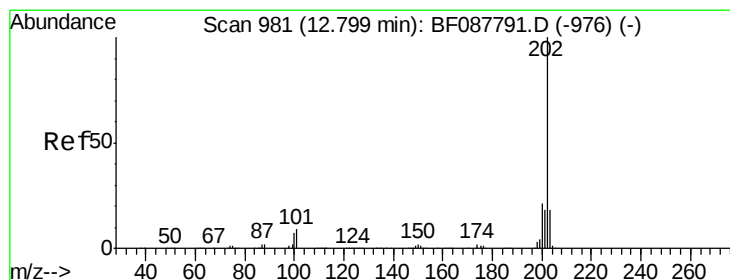
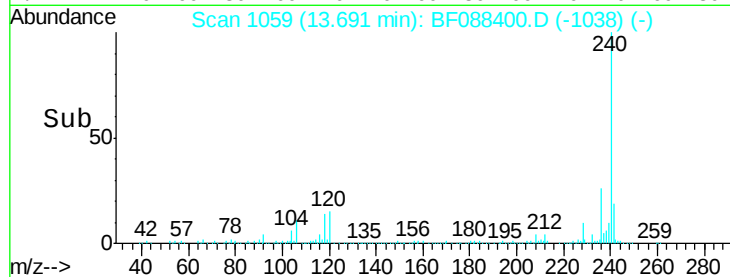
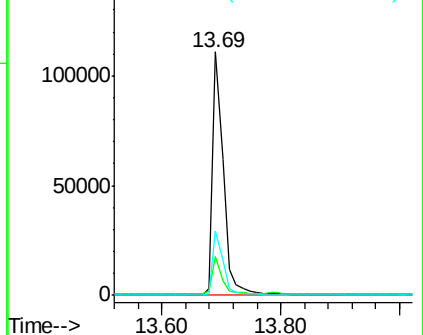
236 26.3 20.2 30.2



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



#77

Pyrene

Concen: 3.50 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.05 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

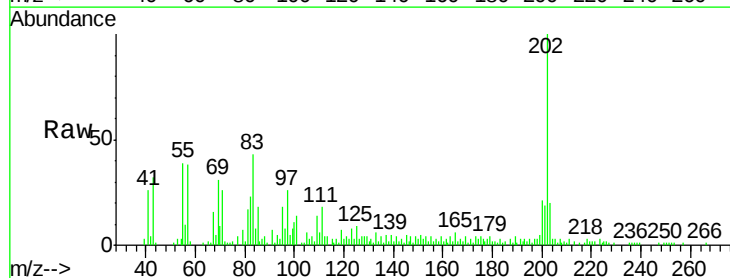
Tgt Ion:202 Resp: 36577

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

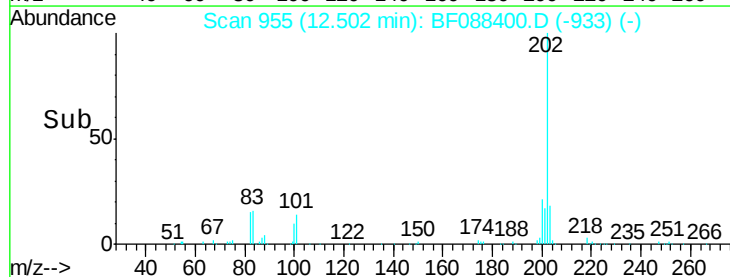
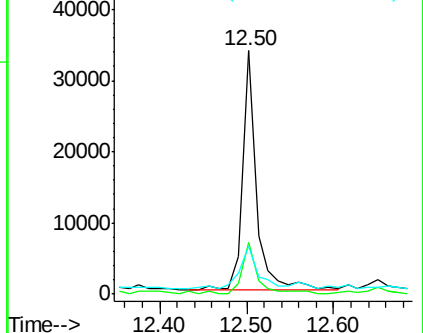
203 19.5 14.5 21.7

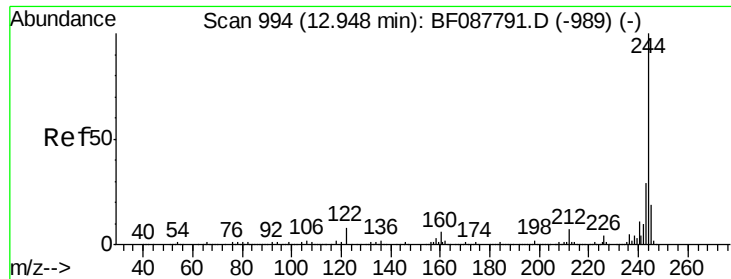


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

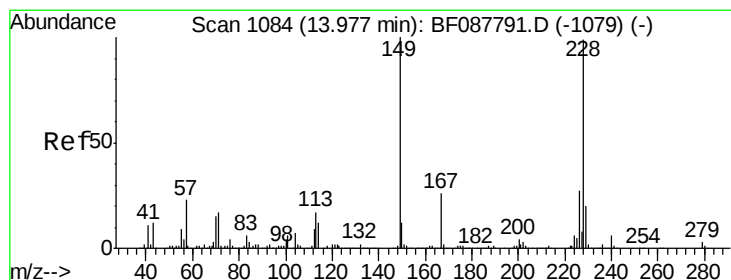
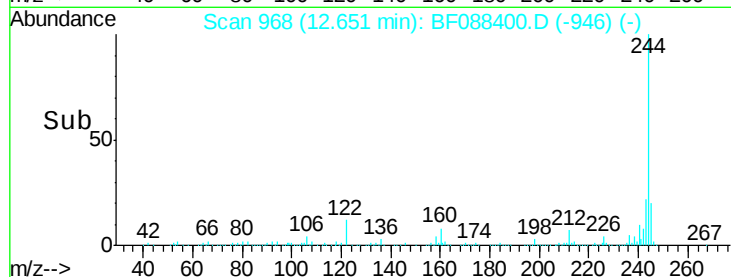
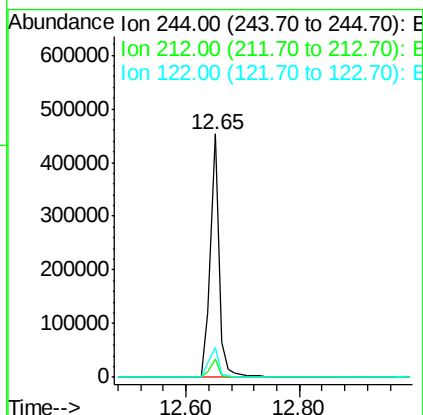
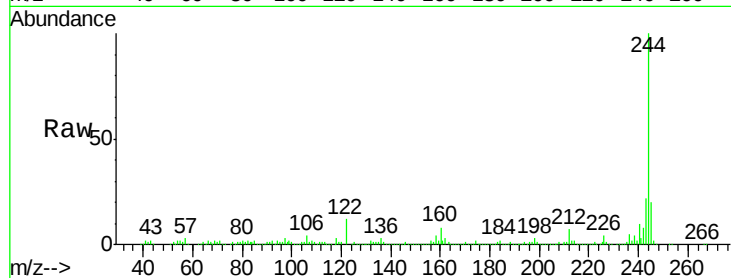




#78
 Terphenyl-d14
 Concen: 75.80 ng
 RT: 12.65 min Scan# 968
 Delta R.T. -0.05 min
 Lab File: BF088400.D
 Acq: 26 Jun 2016 4:36

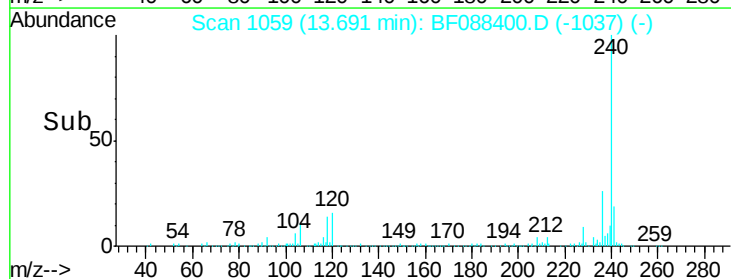
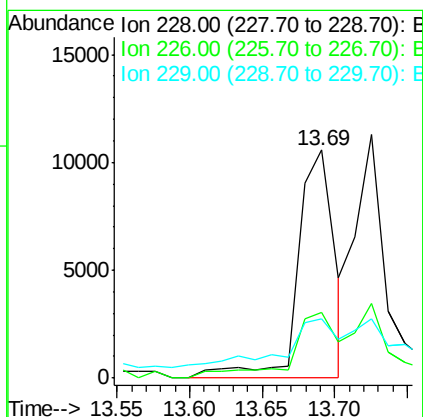
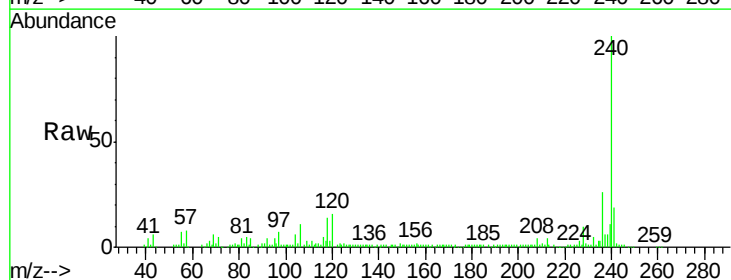
Instrument :
 BNA_F
 ClientSampleId :
 B1GW

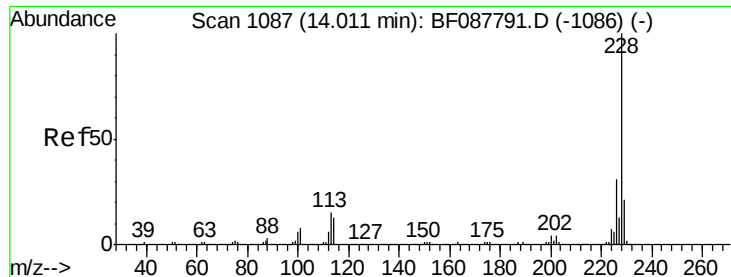
Tgt Ion:244 Resp: 469101
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 12.1 11.2 16.8



#80
 Benzo(a)anthracene
 Concen: 2.31 ng
 RT: 13.69 min Scan# 1059
 Delta R.T. -0.05 min
 Lab File: BF088400.D
 Acq: 26 Jun 2016 4:36

Tgt Ion:228 Resp: 18527
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.3 33.5
 229 26.0 16.0 24.0#





#82

Chrysene

Concen: 2.45 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.08 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampleId :

B1GW

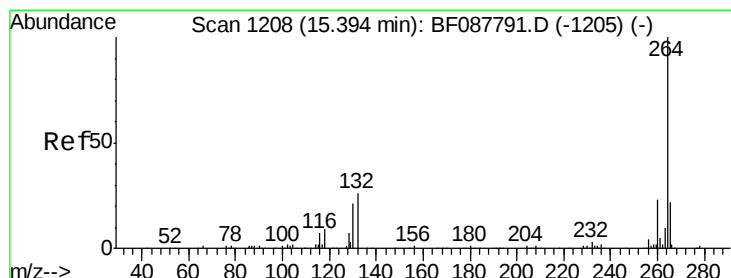
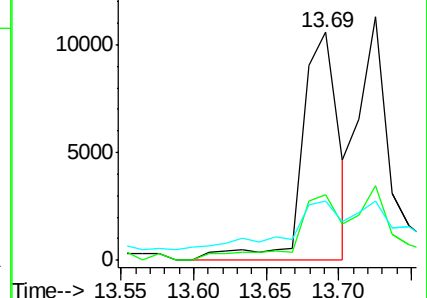
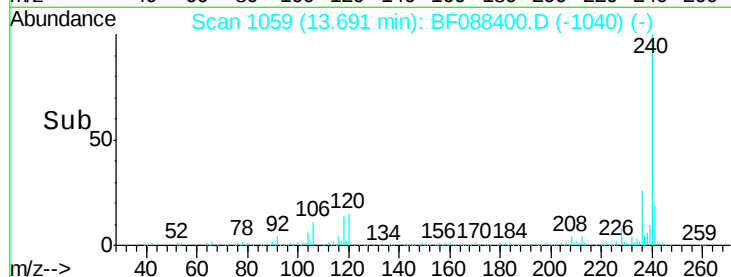
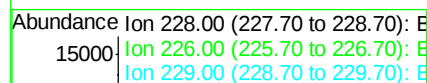
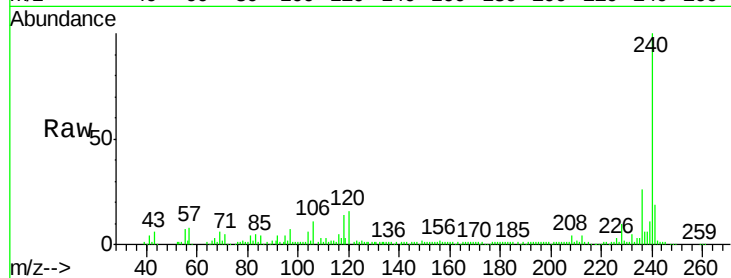
Tgt Ion:228 Resp: 18527

Ion Ratio Lower Upper

228 100

226 28.8 25.4 38.2

229 26.0 16.3 24.5#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.05 min Scan# 1178

Delta R.T. -0.06 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

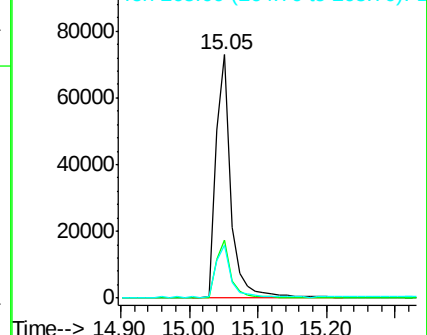
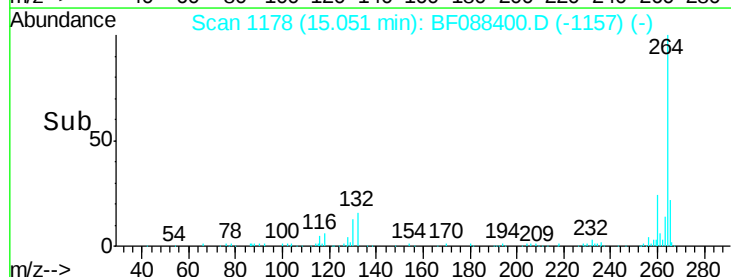
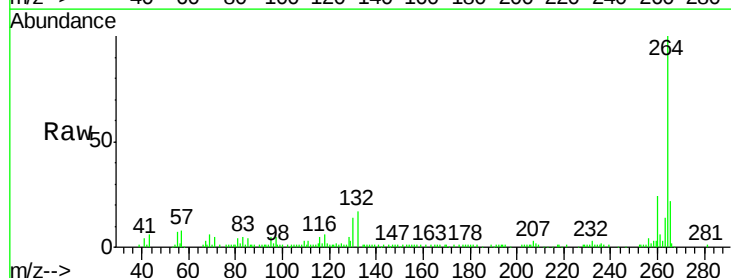
Tgt Ion:264 Resp: 113139

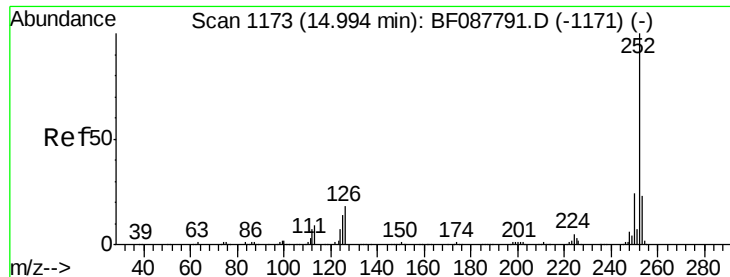
Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.8 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 2.47 ng

RT: 14.70 min Scan# 1147

Delta R.T. -0.05 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

Instrument :

BNA_F

ClientSampleId :

B1GW

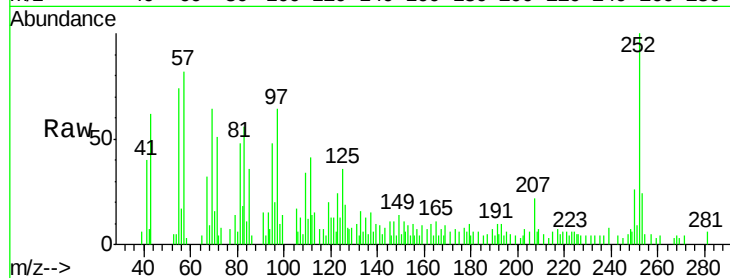
Tgt Ion:252 Resp: 19486

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.2

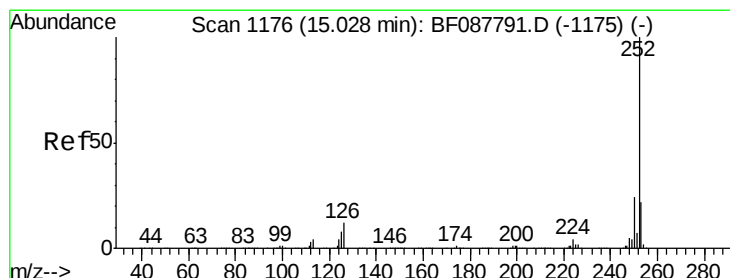
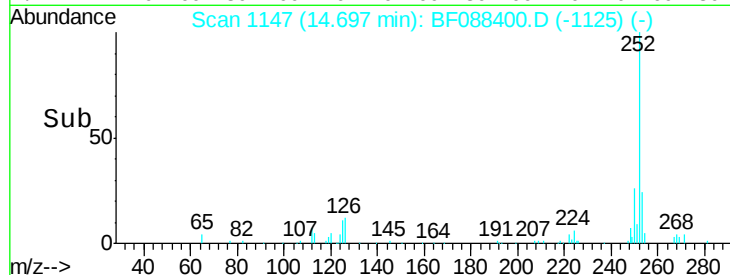
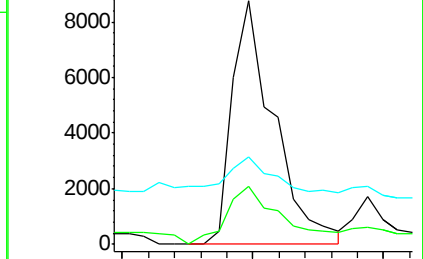
125 35.9 7.1 10.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.28 ng

RT: 14.70 min Scan# 1147

Delta R.T. -0.07 min

Lab File: BF088400.D

Acq: 26 Jun 2016 4:36

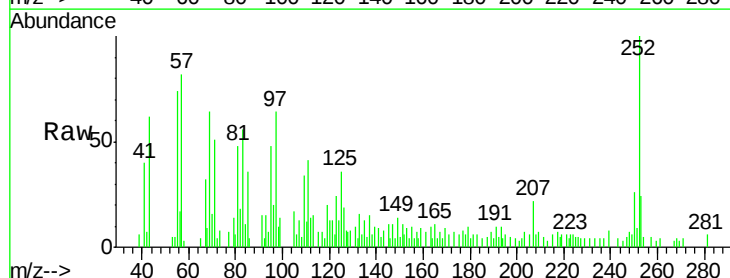
Tgt Ion:252 Resp: 19486

Ion Ratio Lower Upper

252 100

253 24.0 18.0 27.0

125 35.9 11.2 16.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

