

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053116\
 Data File : BF087604.D
 Acq On : 1 Jun 2016 4:19
 Operator : UM/SJ
 Sample : H3303-03DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B3-12DL

Quant Time: Jun 01 05:25:26 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 01 03:17:16 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	10900	20.00	ng	0.03
21) Naphthalene-d8	9.50	136	44013	20.00	ng	0.02
38) Acenaphthene-d10	12.33	164	30382	20.00	ng	0.02
63) Phenanthrene-d10	14.73	188	40751	20.00	ng	0.02
75) Chrysene-d12	18.46	240	33274	20.00	ng	0.03
86) Perylene-d12	20.16	264	23733	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	29499	47.55	ng	0.15
7) Phenol-d6	7.10	99	61709	73.62	ng	0.08
23) Nitrobenzene-d5	8.38	82	21756	24.91	ng	0.00
41) 2,4,6-Tribromophenol	13.65	330	12587	43.11	ng	0.03
44) 2-Fluorobiphenyl	11.27	172	108141	50.18	ng	0.01
78) Terphenyl-d14	17.06	244	108986	69.64	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.83	77	14695	31.75	ng	# 1
11) bis(2-Chloroethyl)ether	7.12	93	1749	2.36	ng	# 1
15) Benzyl Alcohol	7.86	79	11091	18.15	ng	# 6
18) Hexachloroethane	8.25	117	11557	35.76	ng	# 1
19) n-Nitroso-di-n-propylamine	8.25	70	32716	52.34	ng	# 79
20) 3+4-Methylphenols	8.32	107	4773	6.37	ng	# 1
22) Acetophenone	8.22	105	27670	26.32	ng	# 39
24) Nitrobenzene	8.39	77	12983	14.08	ng	# 47
25) Isophorone	8.90	82	284579	181.70	ng	# 70
26) 2-Nitrophenol	8.92	139	7971	21.15	ng	# 1
27) 2,4-Dimethylphenol	9.13	122	10022	15.32	ng	# 10
28) bis(2-Chloroethoxy)methane	9.24	93	7349	8.33	ng	# 1
29) 2,4-Dichlorophenol	9.42	162	19499	33.08	ng	# 52
31) Naphthalene	9.52	128	622447	282.23	ng	# 98
32) Benzoic acid	9.45	122	3807	15.75	ng	# 1
33) 4-Chloroaniline	9.72	127	15333	18.88	ng	# 1
35) Caprolactam	10.28	113	128876	749.03	ng	# 1
36) 4-Chloro-3-methylphenol	10.55	107	41884	62.84	ng	# 37
37) 2-Methylnaphthalene	10.66	142	1905078	1382.70	ng	# 95
42) 2,4,6-Trichlorophenol	11.16	196	2086	3.72	ng	# 13
43) 2,4,5-Trichlorophenol	11.22	196	5165	9.03	ng	# 1
45) 1,1'-Biphenyl	11.42	154	210348	82.23	ng	# 95
46) 2-Chloronaphthalene	11.42	162	7747	3.96	ng	# 1
47) 2-Nitroaniline	11.68	65	32784	46.50	ng	# 31
48) Acenaphthylene	12.11	152	65351	21.09	ng	# 1
49) Dimethylphthalate	11.98	163	11348	4.66	ng	# 50
50) 2,6-Dinitrotoluene	12.09	165	14723	30.02	ng	# 71
51) Acenaphthene	12.38	154	100259	52.65	ng	# 92
52) 3-Nitroaniline	12.39	138	9776	19.42	ng	# 59
53) 2,4-Dinitrophenol	12.57	184	1355	11.50	ng	# 1
54) Dibenzofuran	12.67	168	148822	57.72	ng	# 64
55) 4-Nitrophenol	12.75	139	45035	187.57	ng	# 71
56) 2,4-Dinitrotoluene	12.75	165	49150	74.99	ng	# 42
57) Fluorene	13.22	166	191947	85.85	ng	# 86

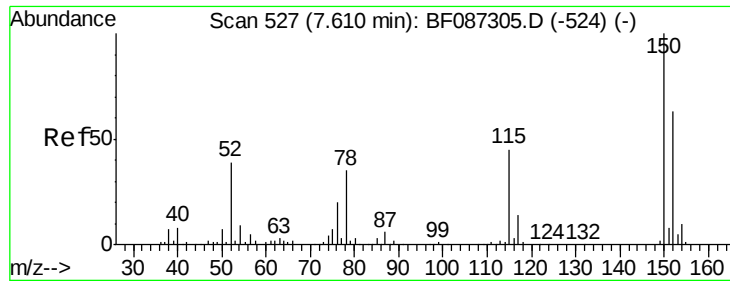
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
58) 2,3,4,6-Tetrachlorophenol	12.94	232	1308	2.97	ng	# 1
59) Diethylphthalate	13.17	149	7027	2.97	ng	# 15
61) 4-Nitroaniline	13.43	138	1865	3.97	ng	# 1
62) Azobenzene	13.49	77	31159	12.69	ng	# 1
64) 4,6-Dinitro-2-methylphenol	13.41	198	2577	9.95	ng	# 1
65) n-Nitrosodiphenylamine	13.49	169	220488	167.30	ng	# 45
68) Atrazine	14.42	200	1829	4.35	ng	# 1
69) Pentachlorophenol	14.54	266	483	9.25	ng	# 34
70) Phenanthrene	14.77	178	550104	243.71	ng	# 98
71) Anthracene	14.77	178	550104	241.24	ng	# 98
72) Carbazole	15.20	167	9322	4.79	ng	# 1
74) Fluoranthene	16.56	202	15844	7.00	ng	# 75
76) Benzidine	16.77	184	2313	2.70	ng	# 1
77) Pyrene	16.86	202	32218	13.45	ng	# 92
82) Chrysene	18.50	228	8380	4.46	ng	# 24

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.48 min Scan# 516

Delta R.T. 0.03 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleId :

B3-12DL

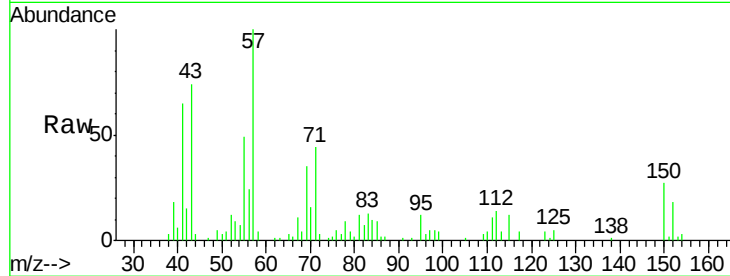
Tgt Ion:152 Resp: 10900

Ion Ratio Lower Upper

152 100

150 152.9 125.8 188.6

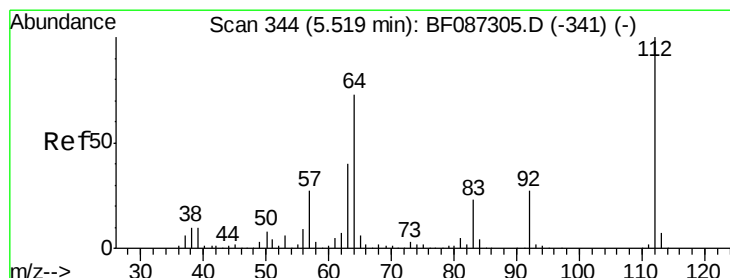
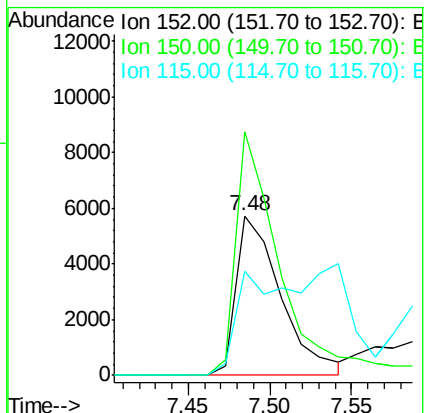
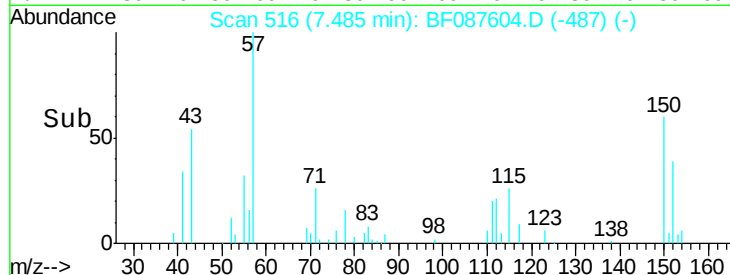
115 65.4 51.5 77.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 47.55 ng

RT: 5.50 min Scan# 342

Delta R.T. 0.15 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

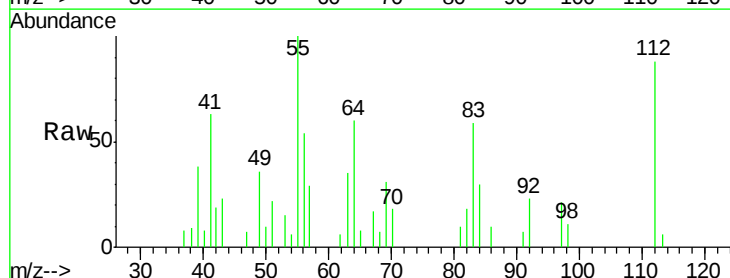
Tgt Ion:112 Resp: 29499

Ion Ratio Lower Upper

112 100

64 68.5 52.1 78.1

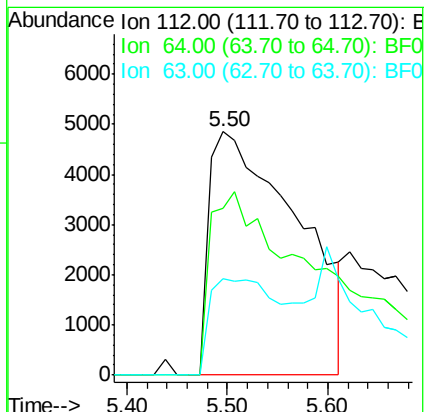
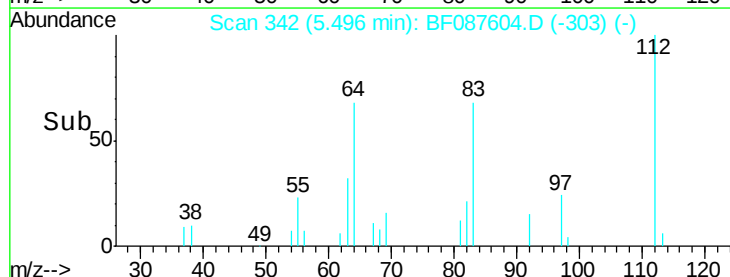
63 39.8 25.7 38.5#

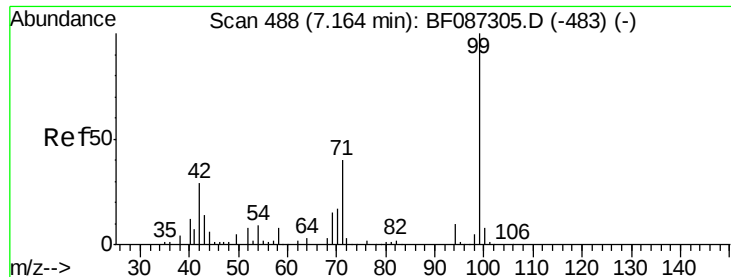


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 73.62 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.08 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

ClientSampled :

B3-12DL

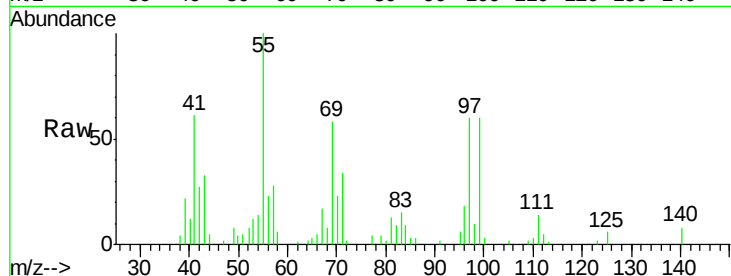
Tgt Ion: 99 Resp: 61709

Ion Ratio Lower Upper

99 100

42 45.9 13.6 20.4#

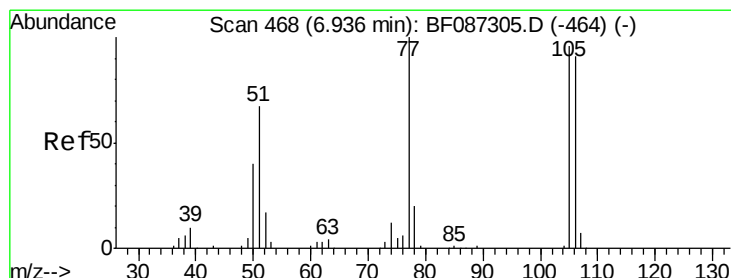
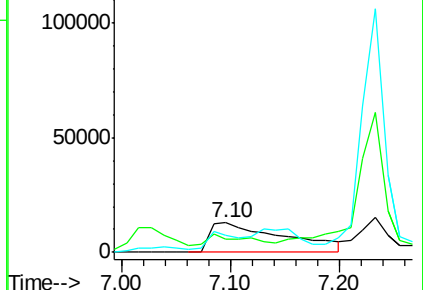
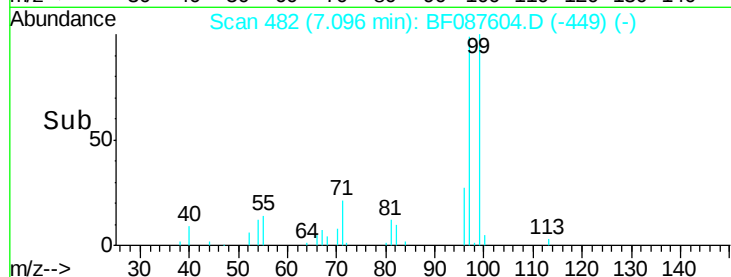
71 57.0 24.6 36.8#



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



#9

Benzaldehyde

Concen: 31.75 ng

RT: 6.83 min Scan# 459

Delta R.T. 0.06 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

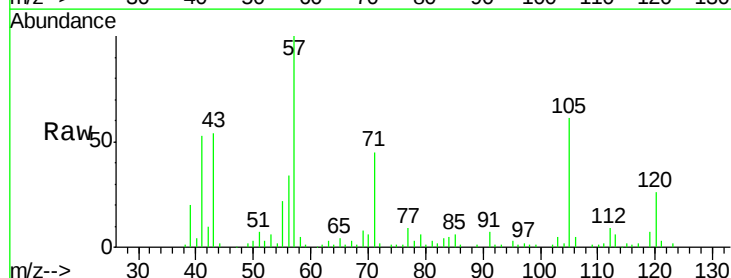
Tgt Ion: 77 Resp: 14695

Ion Ratio Lower Upper

77 100

105 668.9 72.7 112.7#

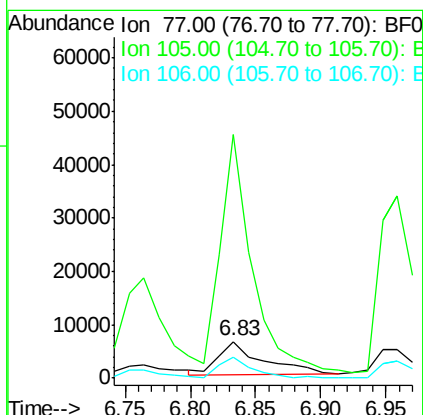
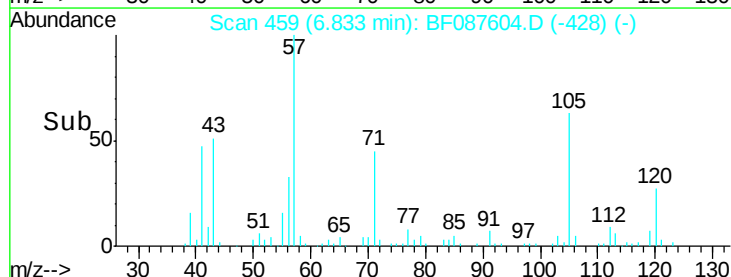
106 56.5 70.8 110.8#

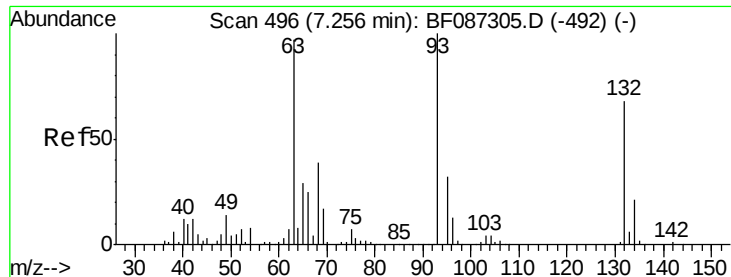


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

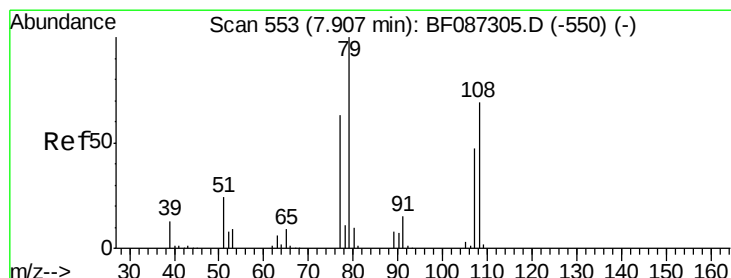
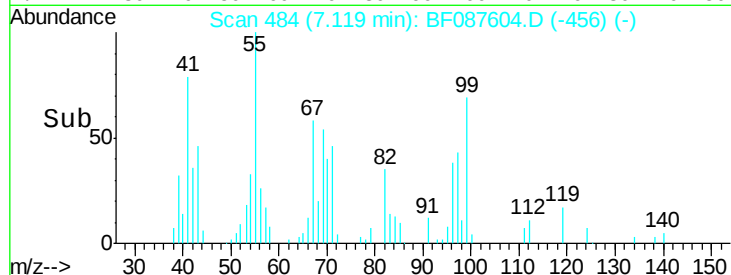
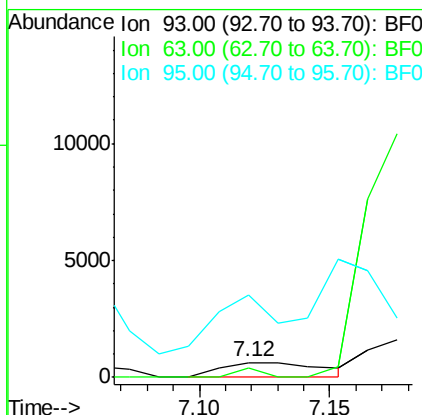
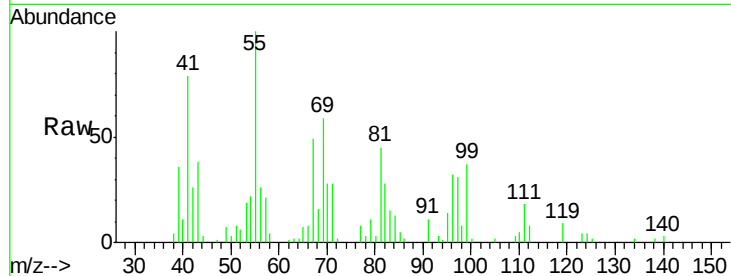




#11
bis(2-Chloroethyl)ether
Concen: 2.36 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.02 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

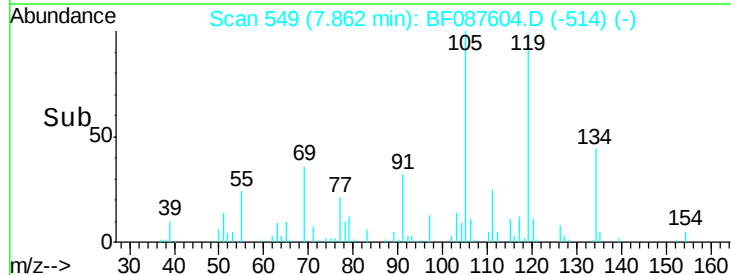
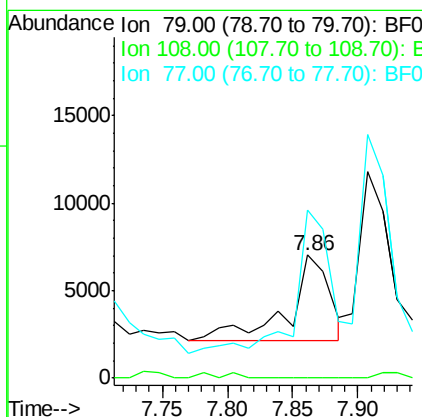
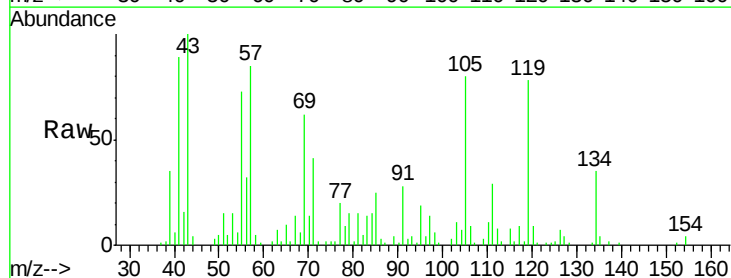
Instrument :
BNA_F
ClientSampleId :
B3-12DL

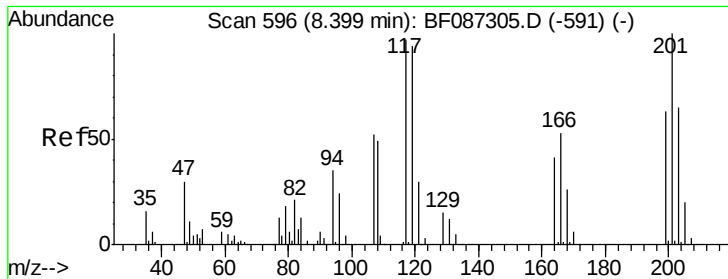
Tgt Ion: 93 Resp: 1749
Ion Ratio Lower Upper
93 100
63 59.6 58.0 98.0
95 545.4 11.9 51.9#



#15
Benzyl Alcohol
Concen: 18.15 ng
RT: 7.86 min Scan# 549
Delta R.T. 0.10 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

Tgt Ion: 79 Resp: 11091
Ion Ratio Lower Upper
79 100
108 0.0 68.4 102.6#
77 137.2 50.6 76.0#

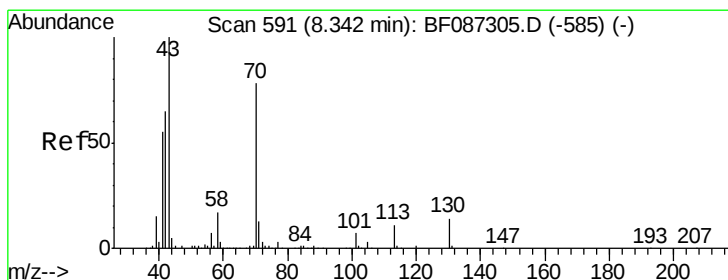
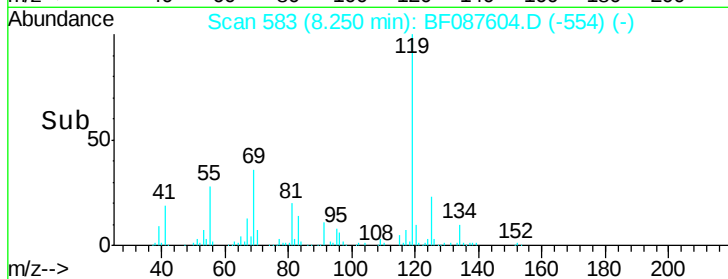
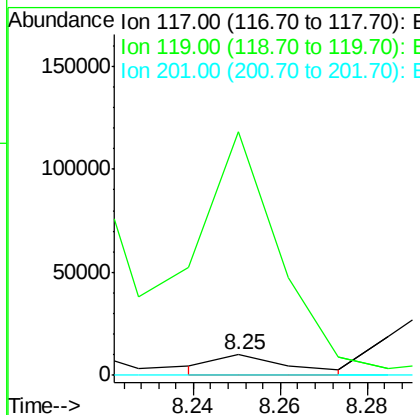
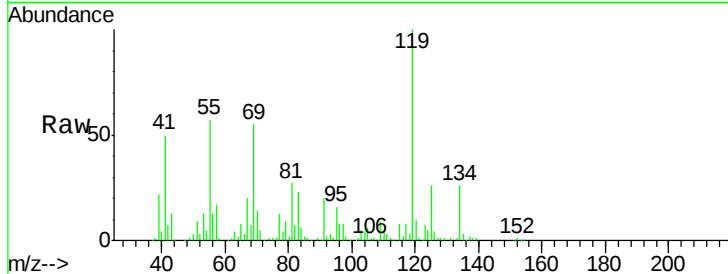




#18
Hexachloroethane
Concen: 35.76 ng
RT: 8.25 min Scan# 583
Delta R.T. 0.03 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

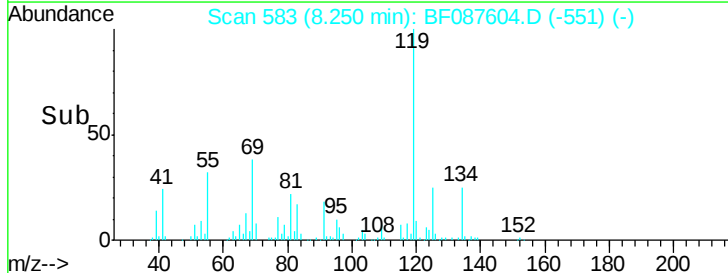
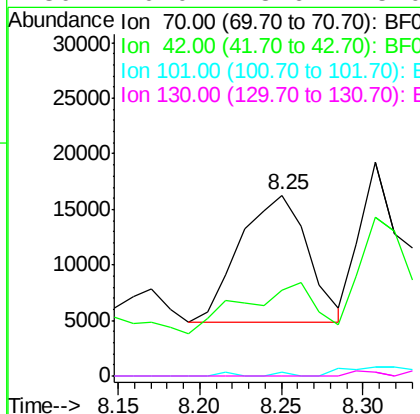
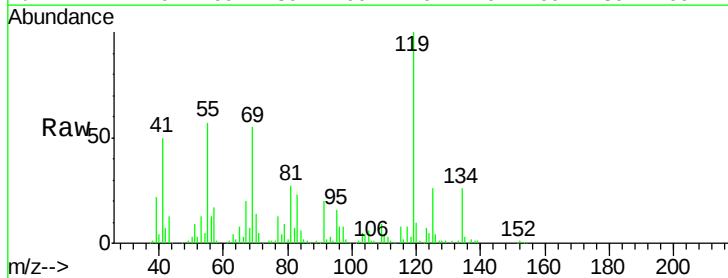
Instrument :
BNA_F
ClientSampleId :
B3-12DL

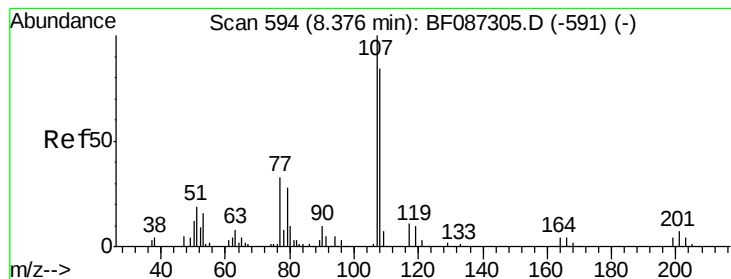
Tgt Ion: 117 Resp: 11557
Ion Ratio Lower Upper
117 100
119 1199.3 76.5 114.7#
201 0.0 63.0 94.6#



#19
n-Nitroso-di-n-propylamine
Concen: 52.34 ng
RT: 8.25 min Scan# 583
Delta R.T. 0.07 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

Tgt Ion: 70 Resp: 32716
Ion Ratio Lower Upper
70 100
42 47.7 43.1 64.7
101 2.4 8.1 12.1#
130 0.0 18.6 28.0#





#20

3+4-Methylphenols

Concen: 6.37 ng

RT: 8.32 min Scan# 589

Delta R.T. 0.08 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

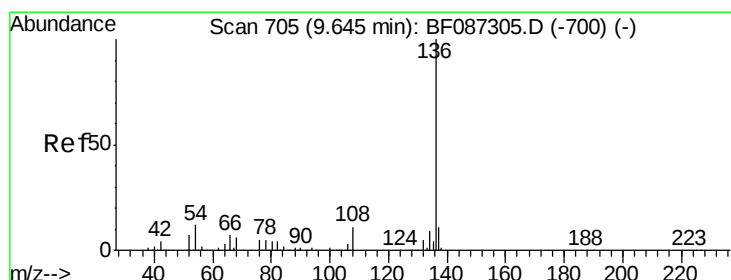
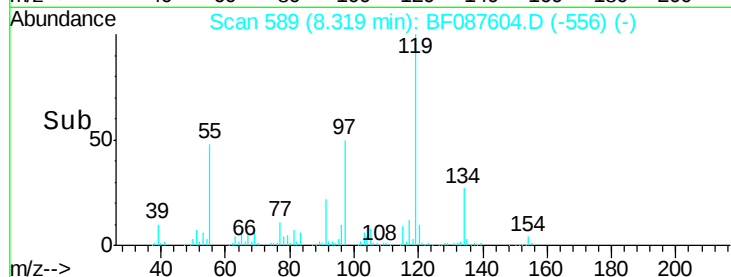
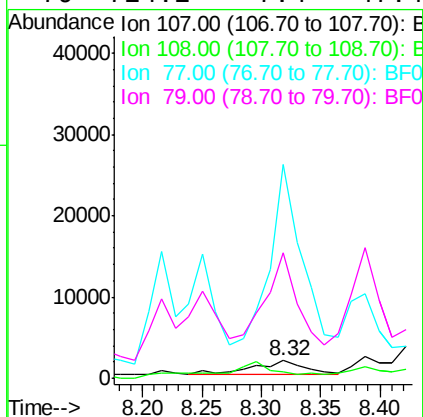
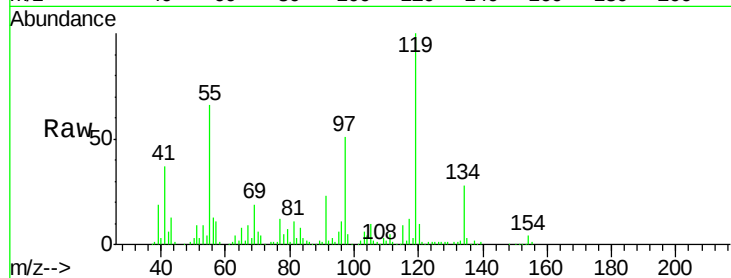
BNA_F

ClientSampleId :

B3-12DL

Tgt Ion:107 Resp: 4773

Ion	Ratio	Lower	Upper
107	100		
108	36.0	68.5	108.5#
77	1228.8	101.6	141.6#
79	724.2	7.4	47.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.50 min Scan# 692

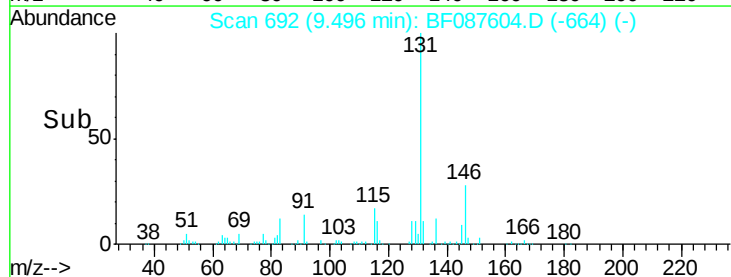
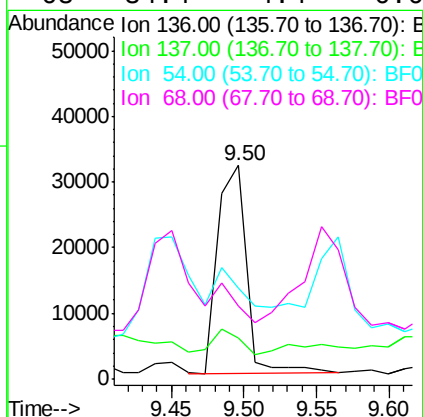
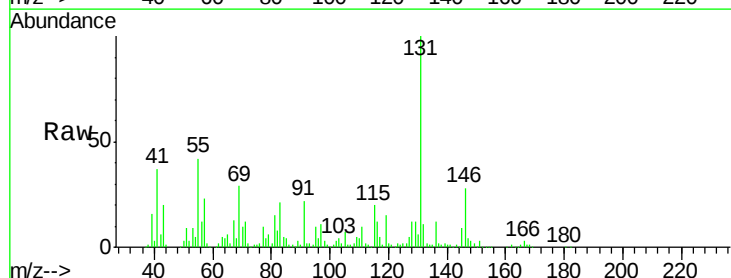
Delta R.T. 0.02 min

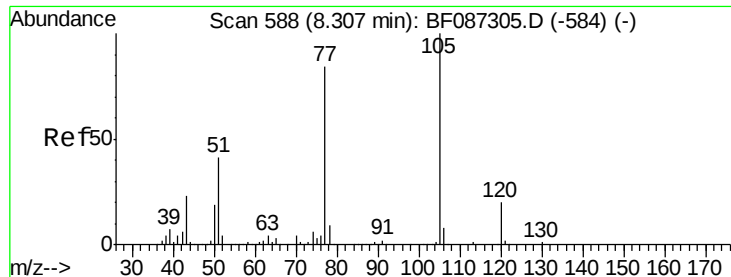
Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Tgt Ion:136 Resp: 44013

Ion	Ratio	Lower	Upper
136	100		
137	19.1	8.8	13.2#
54	42.7	5.0	7.4#
68	34.4	4.4	6.6#





#22

Acetophenone

Concen: 26.32 ng

RT: 8.22 min Scan# 580

Delta R.T. 0.07 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleId :

B3-12DL

Tgt Ion:105 Resp: 27670

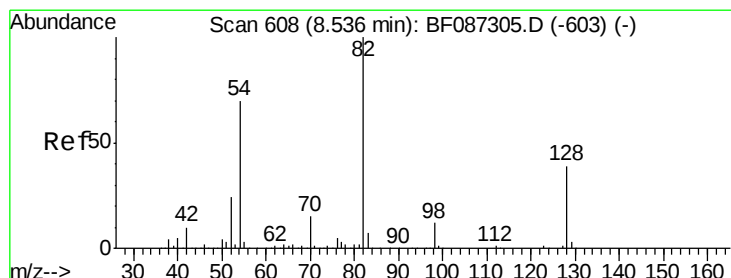
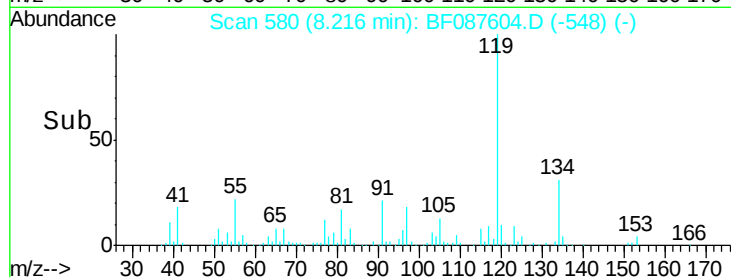
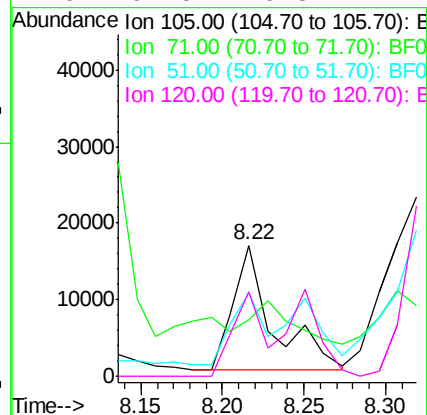
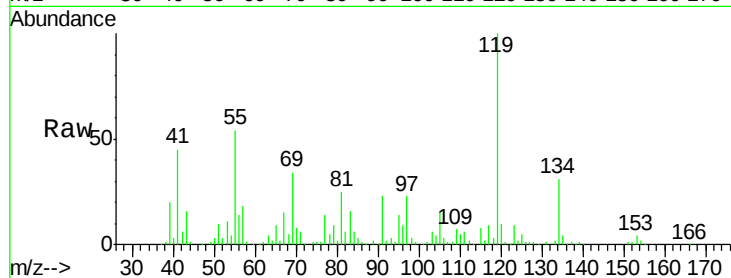
Ion Ratio Lower Upper

105 100

71 43.2 4.8 7.2#

51 63.4 32.6 49.0#

120 64.8 16.5 24.7#



#23

Nitrobenzene-d5

Concen: 24.91 ng

RT: 8.38 min Scan# 594

Delta R.T. 0.00 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

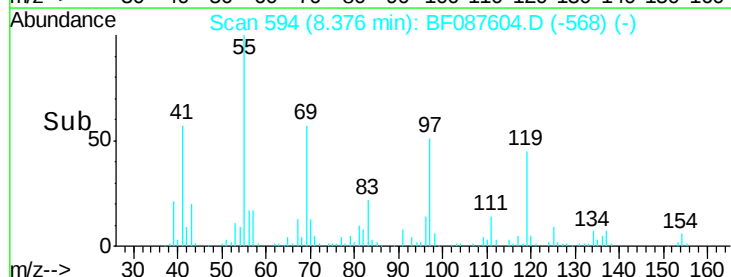
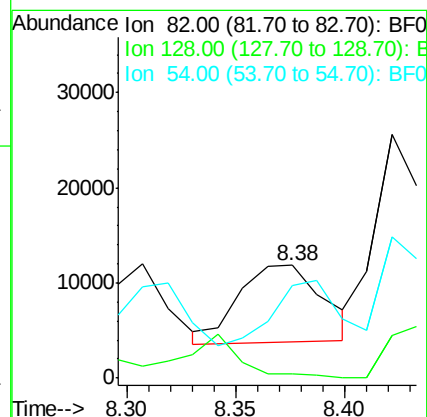
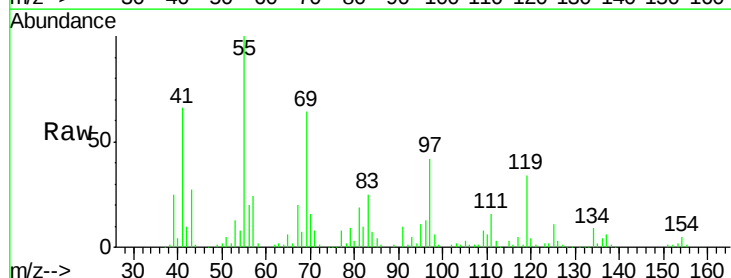
Tgt Ion: 82 Resp: 21756

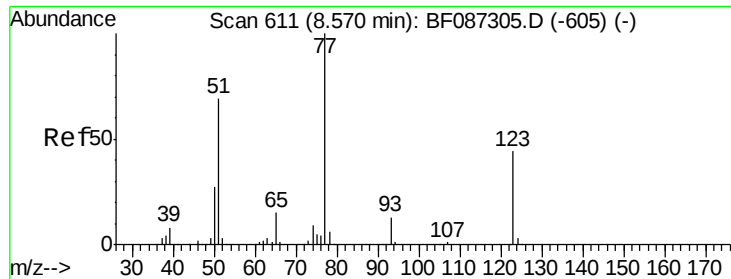
Ion Ratio Lower Upper

82 100

128 4.1 40.6 61.0#

54 81.8 38.1 57.1#

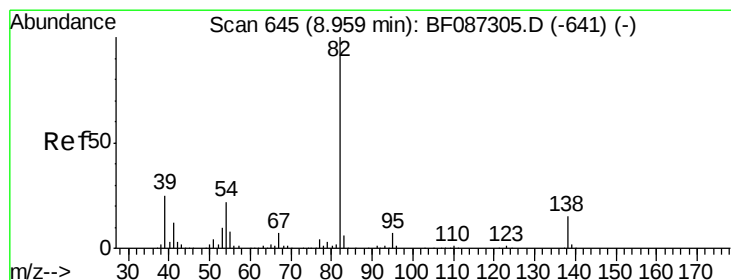
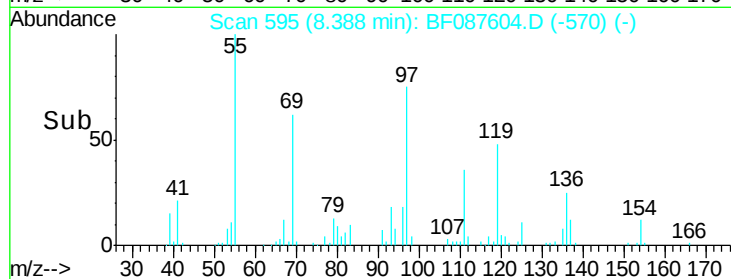
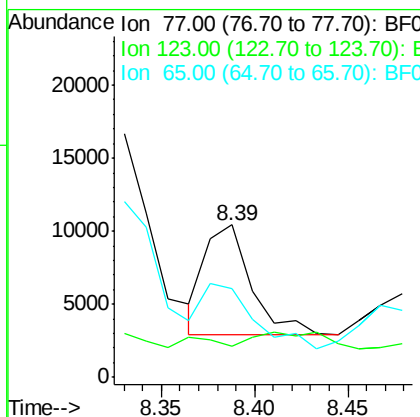
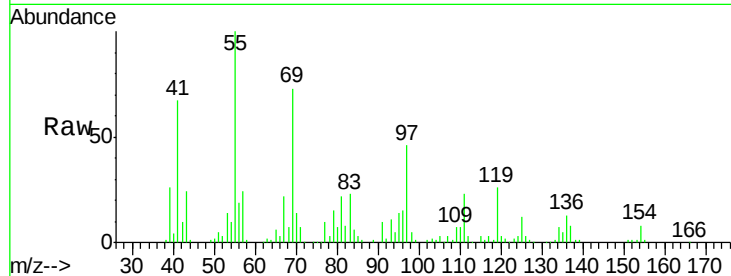




#24
 Nitrobenzene
 Concen: 14.08 ng
 RT: 8.39 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

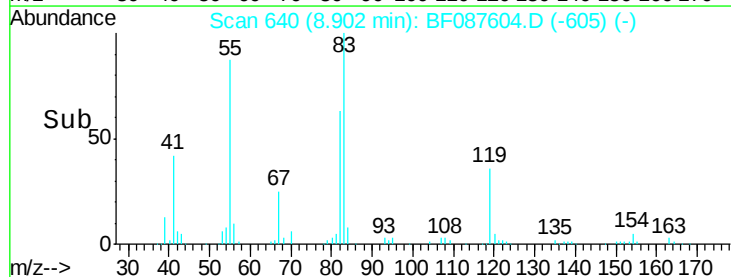
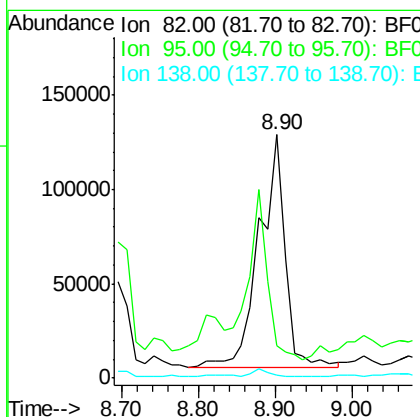
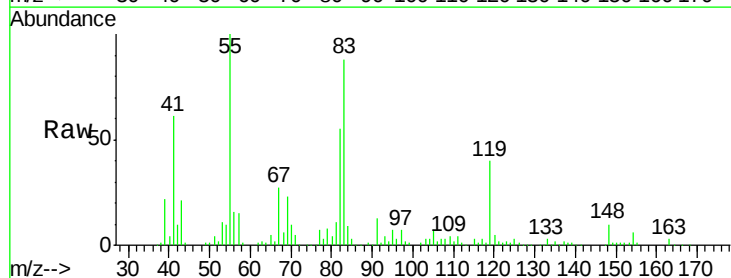
Instrument :
 BNA_F
 ClientSampleId :
 B3-12DL

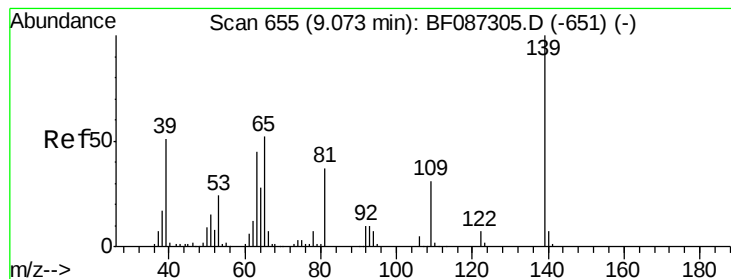
Tgt Ion: 77 Resp: 12983
 Ion Ratio Lower Upper
 77 100
 123 20.2 33.0 49.4#
 65 58.1 10.8 16.2#



#25
 Isophorone
 Concen: 181.70 ng
 RT: 8.90 min Scan# 640
 Delta R.T. 0.10 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

Tgt Ion: 82 Resp: 284579
 Ion Ratio Lower Upper
 82 100
 95 13.2 5.1 7.7#
 138 1.1 12.4 18.6#





#26

2-Nitrophenol

Concen: 21.15 ng

RT: 8.92 min Scan# 642

Delta R.T. 0.01 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

ClientSampled :

B3-12DL

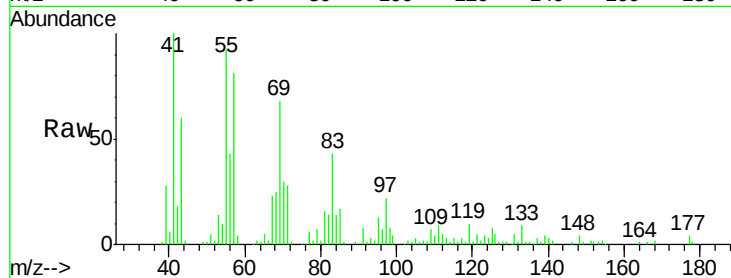
Tgt Ion:139 Resp: 7971

Ion Ratio Lower Upper

139 100

109 155.4 19.5 29.3#

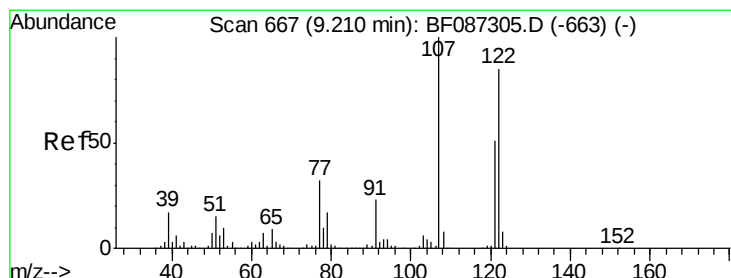
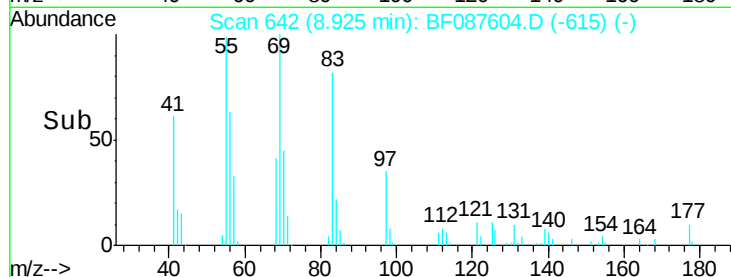
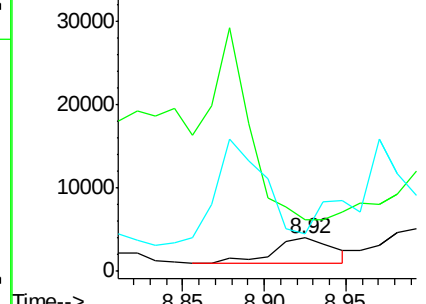
65 111.3 37.5 56.3#



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): E



#27

2,4-Dimethylphenol

Concen: 15.32 ng

RT: 9.13 min Scan# 660

Delta R.T. 0.07 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

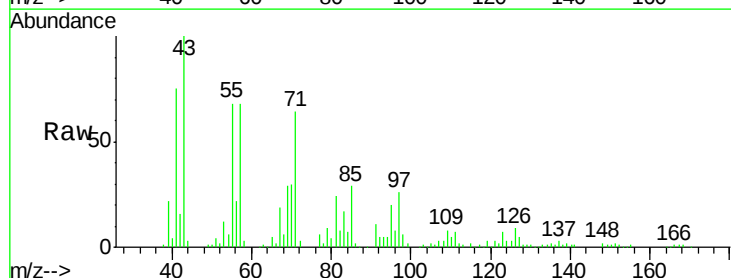
Tgt Ion:122 Resp: 10022

Ion Ratio Lower Upper

122 100

107 163.8 82.0 123.0#

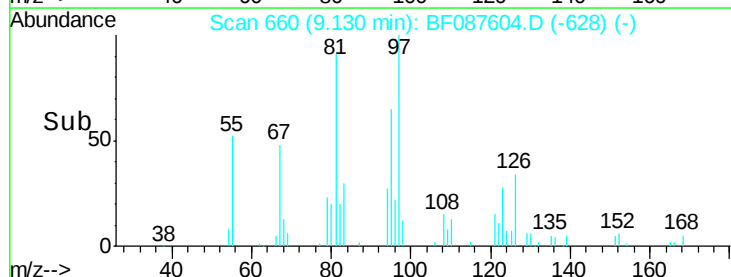
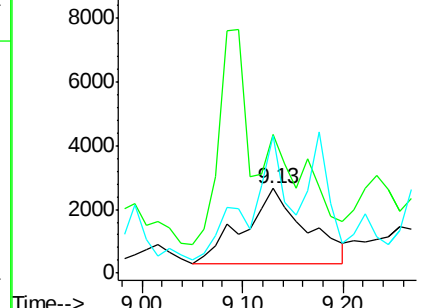
121 162.7 46.1 69.1#

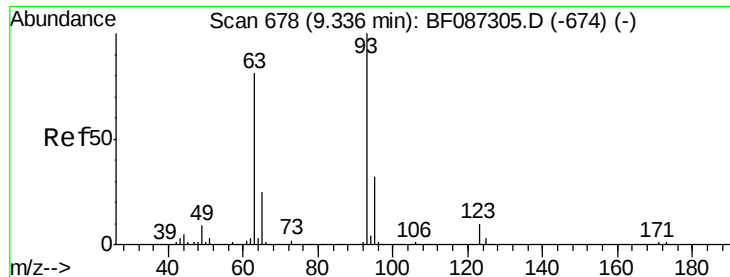


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

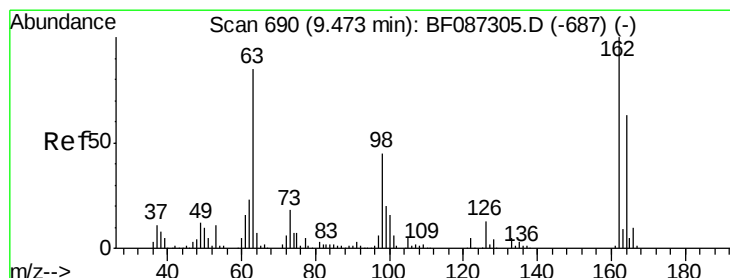
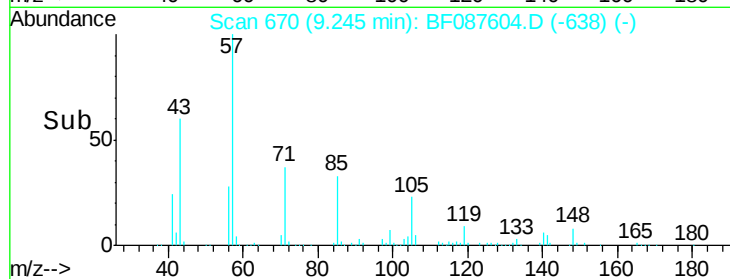
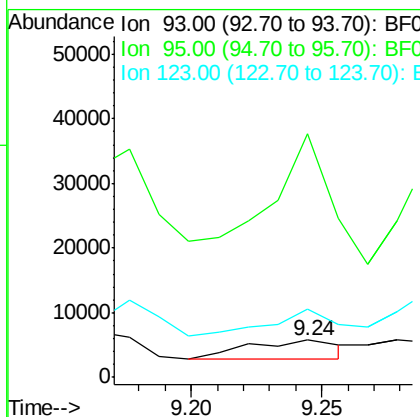
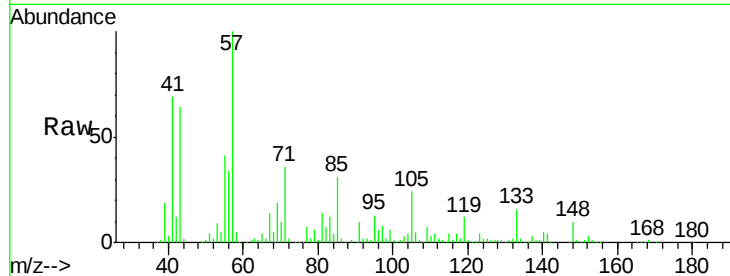




#28
bis(2-Chloroethoxy)methane
Concen: 8.33 ng
RT: 9.24 min Scan# 670
Delta R.T. 0.07 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

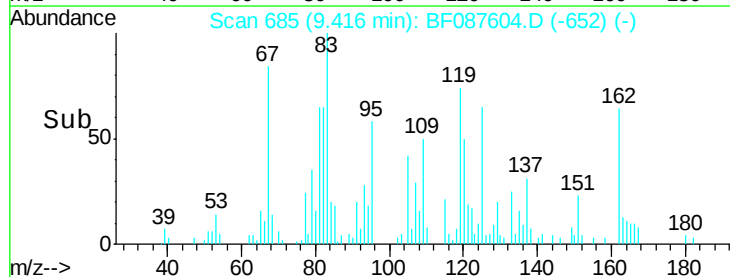
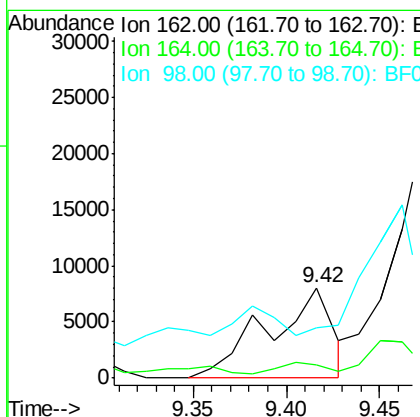
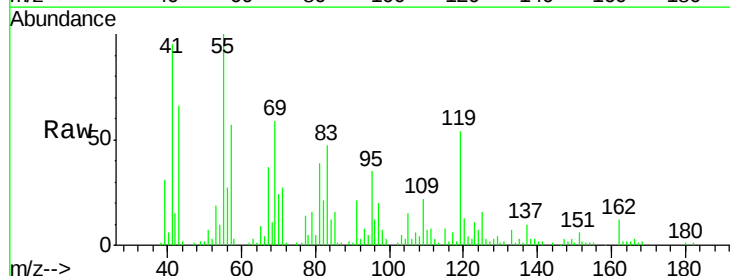
Instrument :
BNA_F
ClientSampleId :
B3-12DL

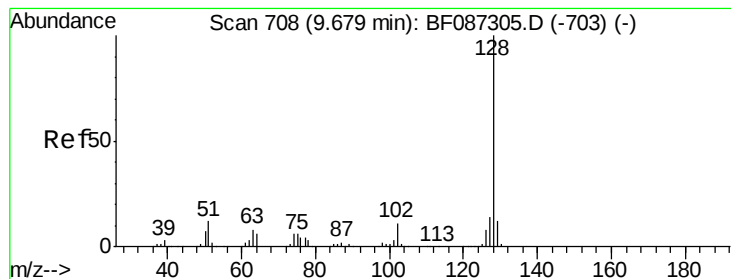
Tgt Ion: 93 Resp: 7349
Ion Ratio Lower Upper
93 100
95 649.5 26.0 39.0#
123 182.3 9.5 14.3#



#29
2,4-Dichlorophenol
Concen: 33.08 ng
RT: 9.42 min Scan# 685
Delta R.T. 0.08 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

Tgt Ion: 162 Resp: 19499
Ion Ratio Lower Upper
162 100
164 14.3 42.2 82.2#
98 55.0 19.0 59.0





#31

Naphthalene

Concen: 282.23 ng

RT: 9.52 min Scan# 694

Delta R.T. 0.01 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleId :

B3-12DL

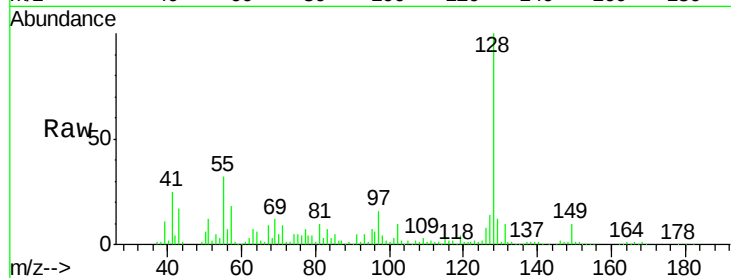
Tgt Ion:128 Resp: 622447

Ion Ratio Lower Upper

128 100

129 12.2 8.6 13.0

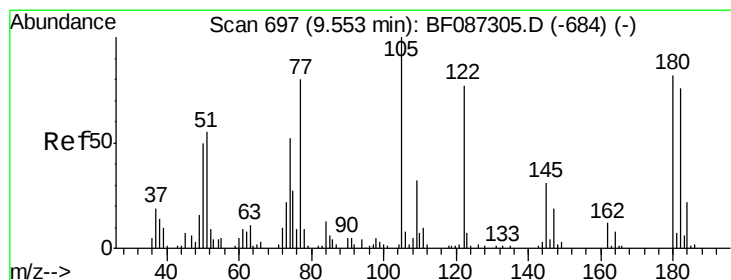
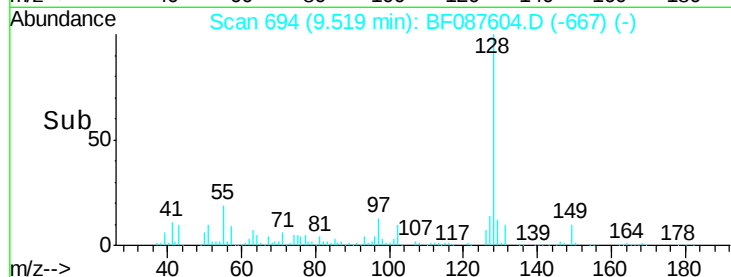
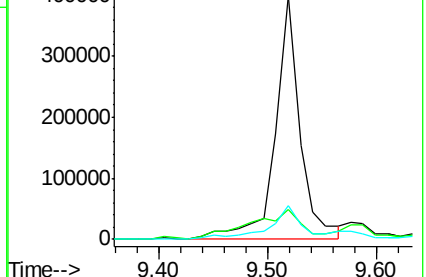
127 13.9 10.8 16.2



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: 15.75 ng

RT: 9.45 min Scan# 688

Delta R.T. 0.00 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

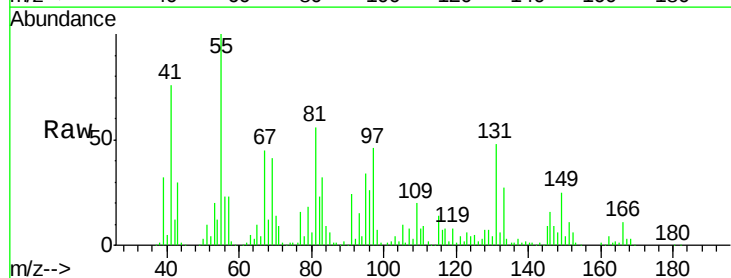
Tgt Ion:122 Resp: 3807

Ion Ratio Lower Upper

122 100

105 632.5 92.6 132.6#

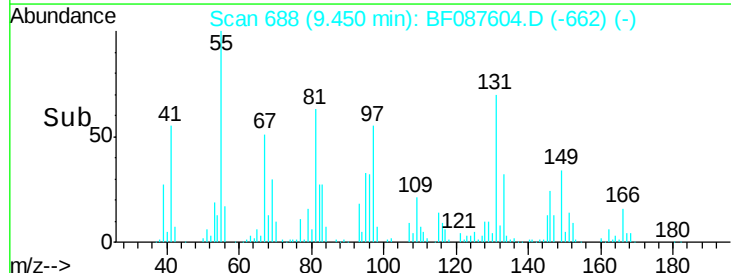
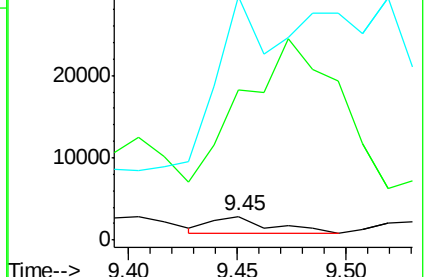
77 1025.5 60.0 100.0#

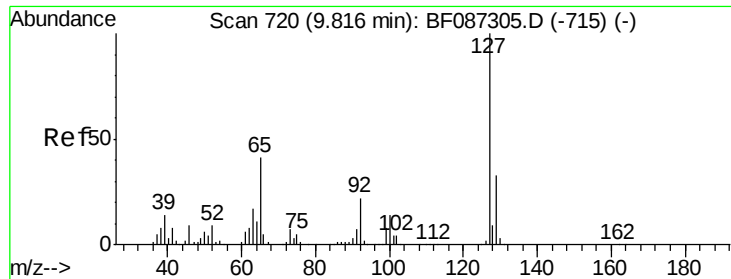


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

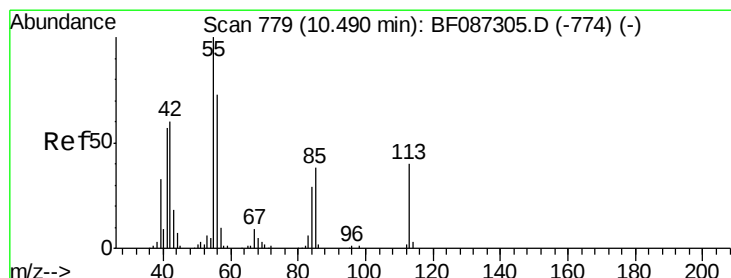
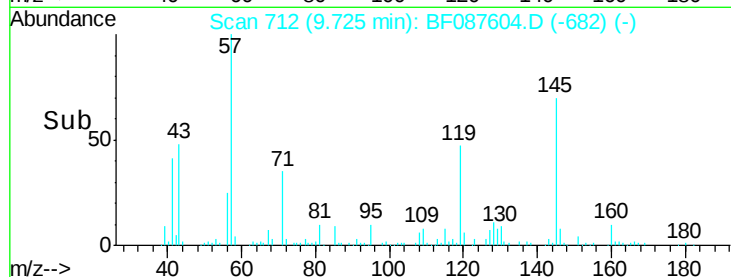
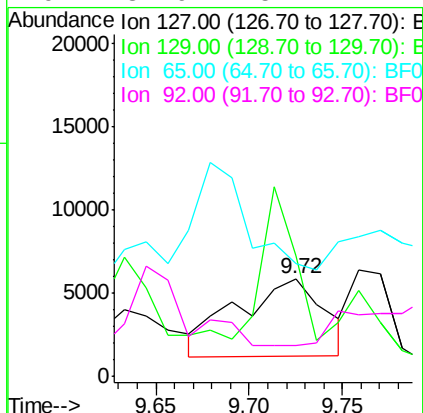
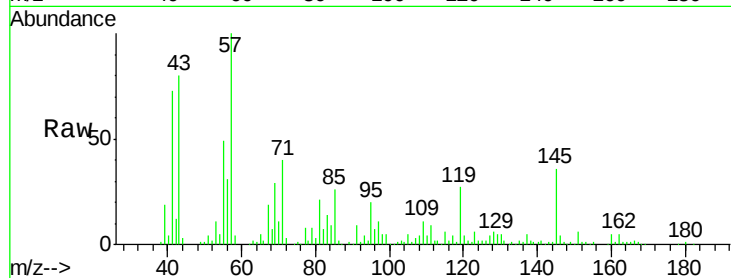




#33
4-Chloroaniline
Concen: 18.88 ng
RT: 9.72 min Scan# 712
Delta R.T. 0.05 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

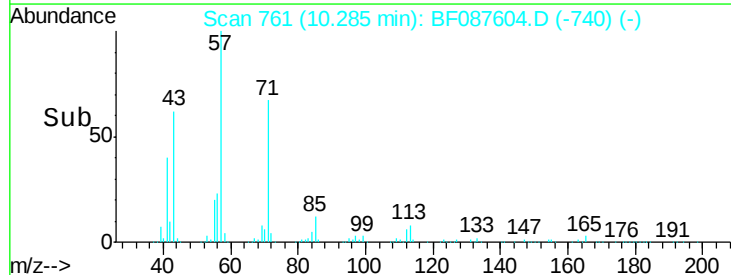
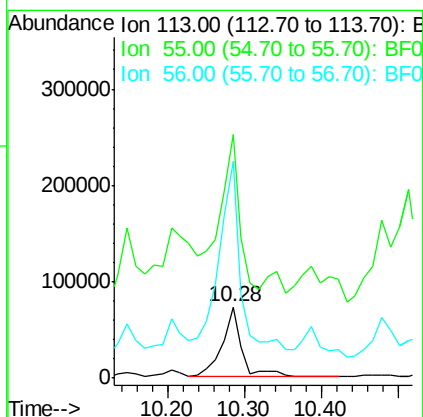
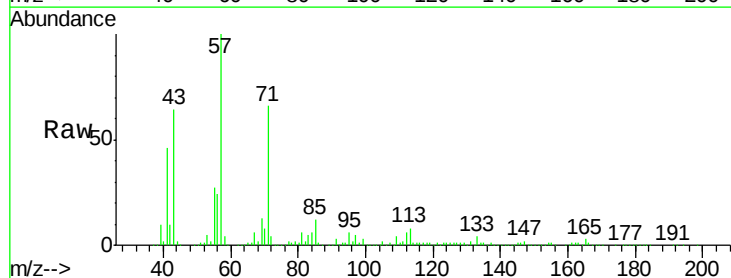
Instrument :
BNA_F
ClientSampleId :
B3-12DL

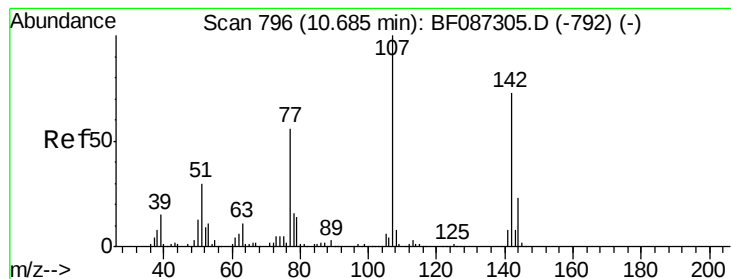
Tgt Ion:127 Resp: 15333
Ion Ratio Lower Upper
127 100
129 122.9 26.2 39.4#
65 115.1 23.0 34.4#
92 31.9 15.1 22.7#



#35
Caprolactam
Concen: 749.03 ng
RT: 10.28 min Scan# 761
Delta R.T. -0.06 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

Tgt Ion:113 Resp: 128876
Ion Ratio Lower Upper
113 100
55 343.5 162.0 202.0#
56 306.4 115.3 155.3#





#36

4-Chloro-3-methylphenol

Concen: 62.84 ng

RT: 10.55 min Scan# 784

Delta R.T. 0.00 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleId :

B3-12DL

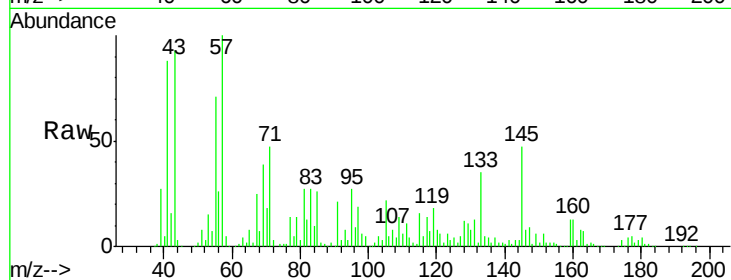
Tgt Ion:107 Resp: 41884

Ion Ratio Lower Upper

107 100

144 41.6 20.7 31.1#

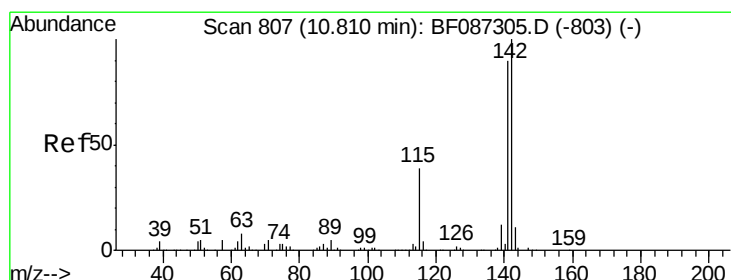
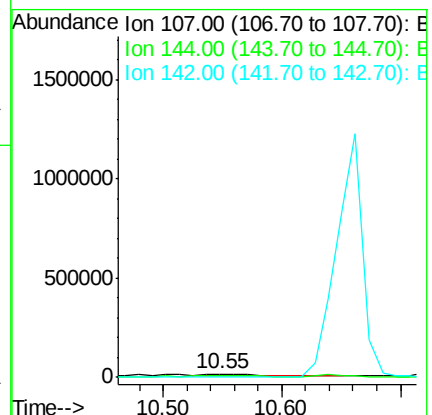
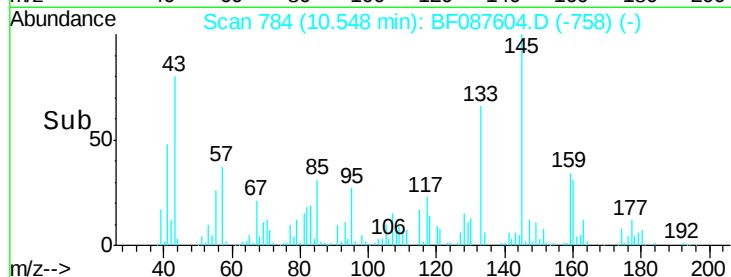
142 15.1 63.2 94.8#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37

2-Methylnaphthalene

Concen: 1382.70 ng

RT: 10.66 min Scan# 794

Delta R.T. 0.02 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

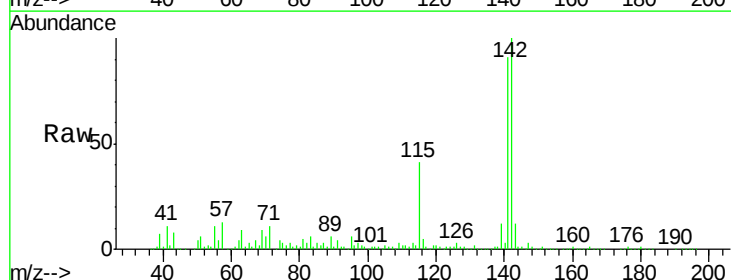
Tgt Ion:142 Resp: 1905078

Ion Ratio Lower Upper

142 100

141 90.6 71.0 106.6

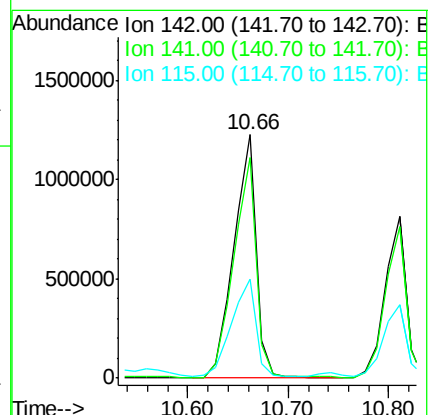
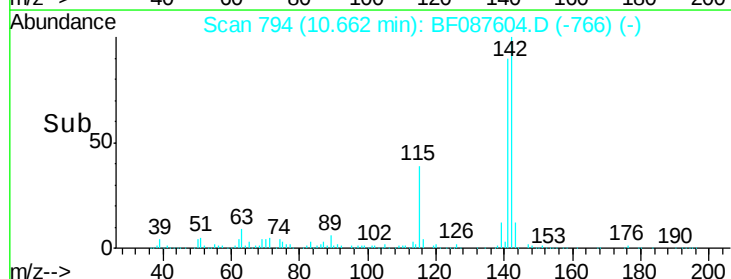
115 40.8 26.6 39.8#

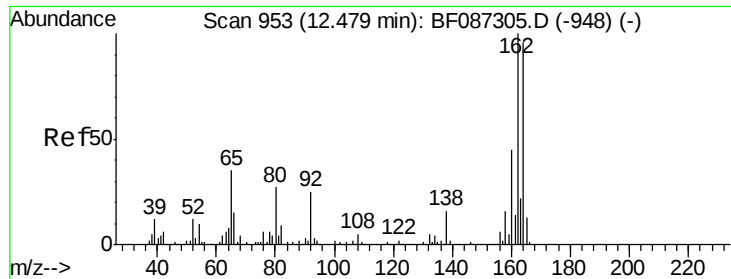


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

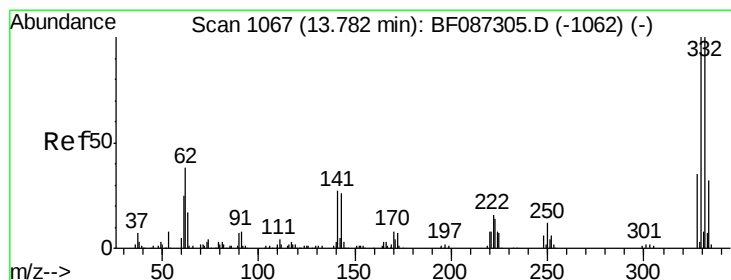
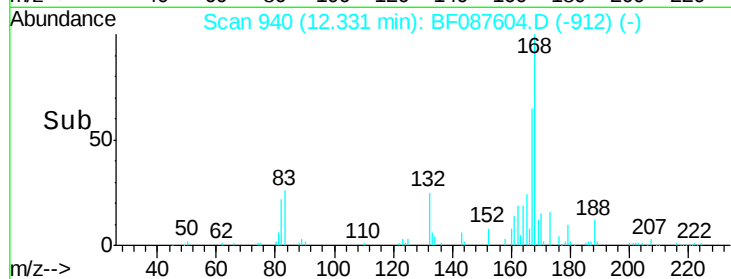
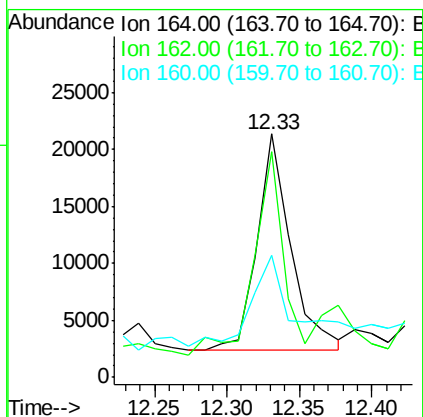
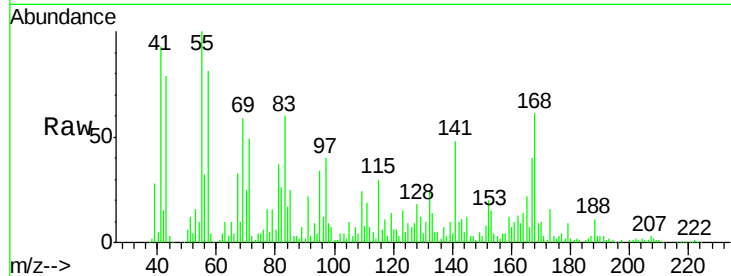




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.33 min Scan# 940
Delta R.T. 0.02 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

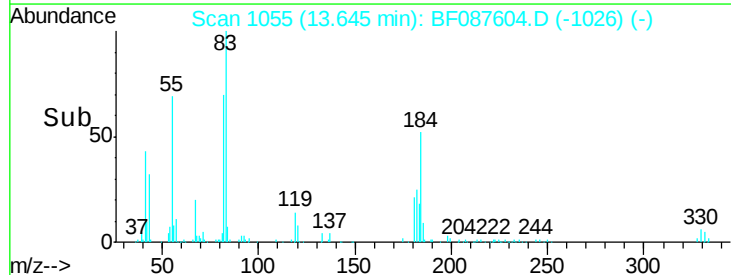
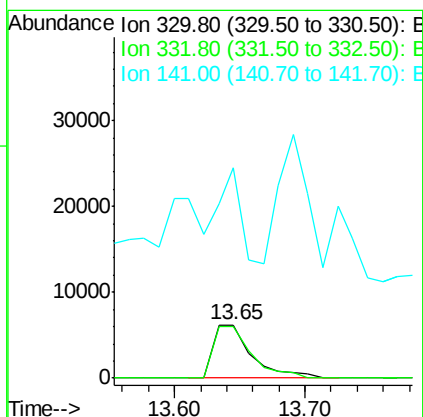
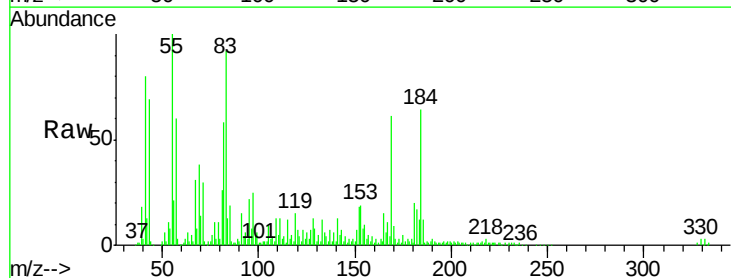
Instrument :
BNA_F
ClientSampleId :
B3-12DL

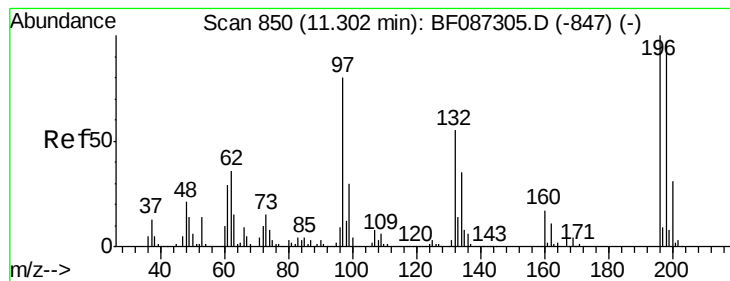
Tgt Ion:164 Resp: 30382
Ion Ratio Lower Upper
164 100
162 92.7 82.8 124.2
160 49.9 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 43.11 ng
RT: 13.65 min Scan# 1055
Delta R.T. 0.03 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

Tgt Ion:330 Resp: 12587
Ion Ratio Lower Upper
330 100
332 97.0 79.0 118.4
141 0.0 31.2 46.8#

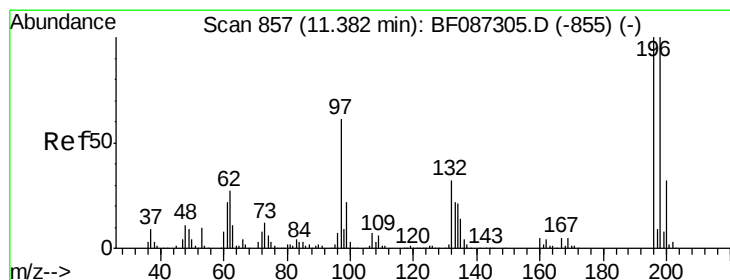
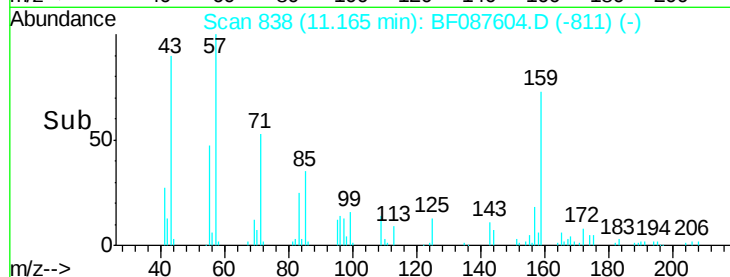
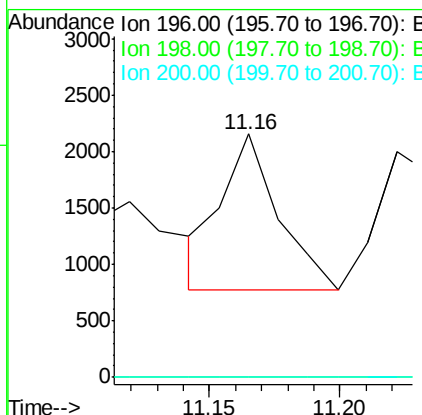
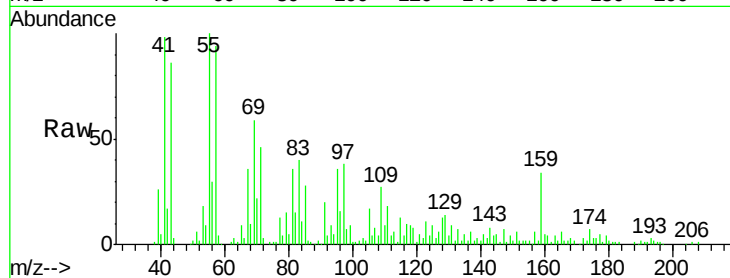




#42
 2,4,6-Trichlorophenol
 Concen: 3.72 ng
 RT: 11.16 min Scan# 838
 Delta R.T. 0.01 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

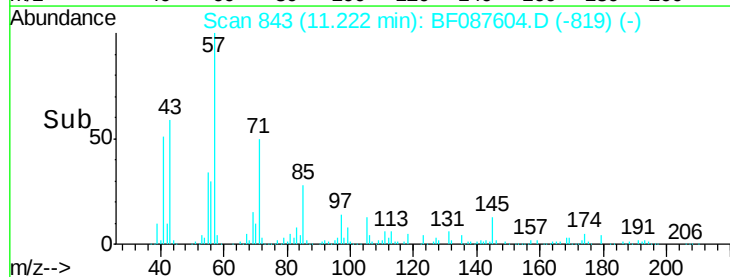
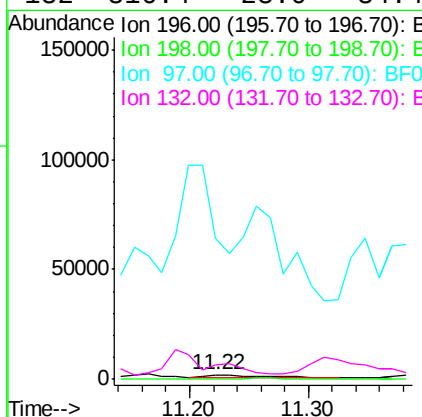
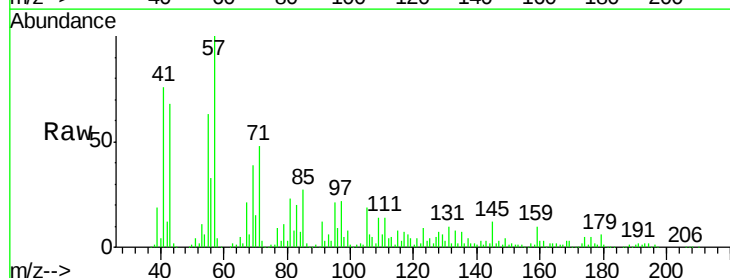
Instrument :
 BNA_F
 ClientSampleId :
 B3-12DL

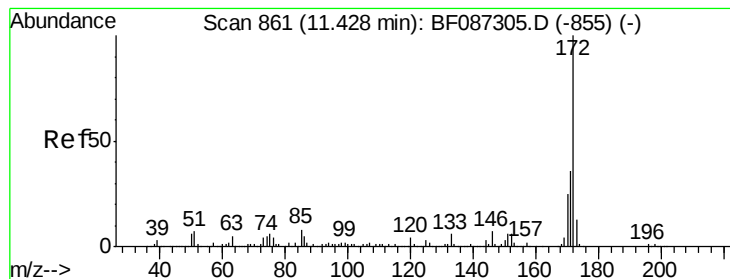
Tgt Ion:196 Resp: 2086
 Ion Ratio Lower Upper
 196 100
 198 0.0 74.7 112.1#
 200 0.0 23.8 35.6#



#43
 2,4,5-Trichlorophenol
 Concen: 9.03 ng
 RT: 11.22 min Scan# 843
 Delta R.T. -0.02 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

Tgt Ion:196 Resp: 5165
 Ion Ratio Lower Upper
 196 100
 198 0.0 77.5 116.3#
 97 3205.2 34.8 52.2#
 132 316.4 23.0 34.4#





#44

2-Fluorobiphenyl

Concen: 50.18 ng

RT: 11.27 min Scan# 847

Delta R.T. 0.01 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleId :

B3-12DL

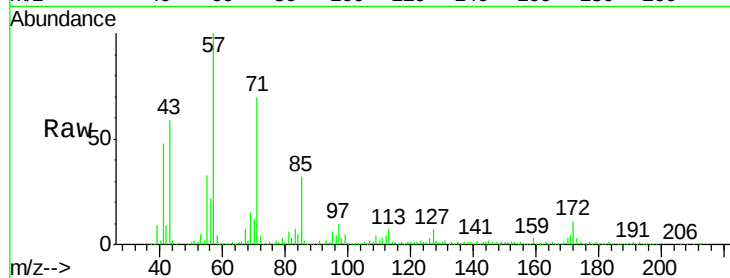
Tgt Ion:172 Resp: 108141

Ion Ratio Lower Upper

172 100

171 34.8 29.0 43.6

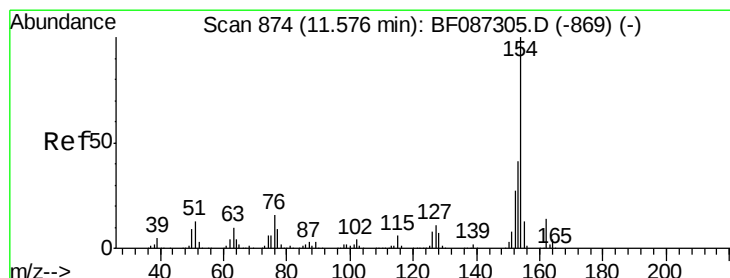
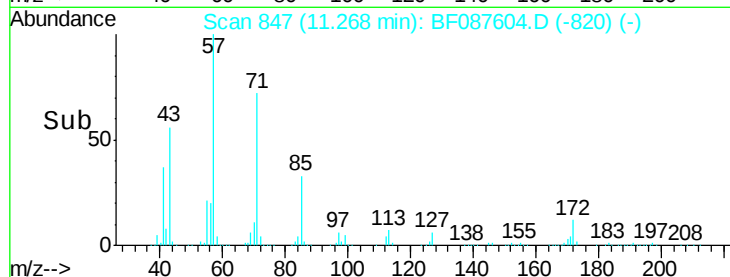
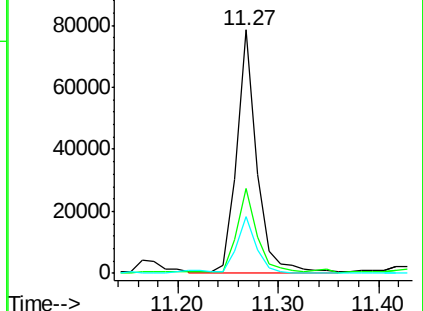
170 23.5 19.8 29.8



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: 82.23 ng

RT: 11.42 min Scan# 860

Delta R.T. 0.01 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

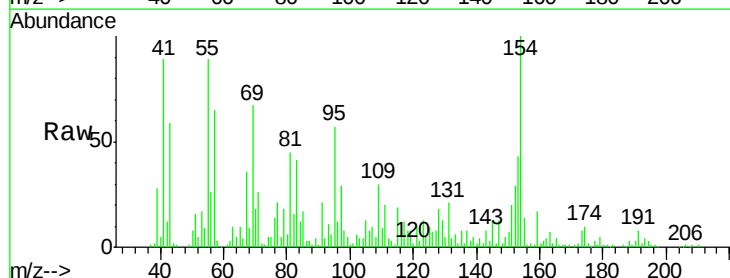
Tgt Ion:154 Resp: 210348

Ion Ratio Lower Upper

154 100

153 42.6 20.3 60.3

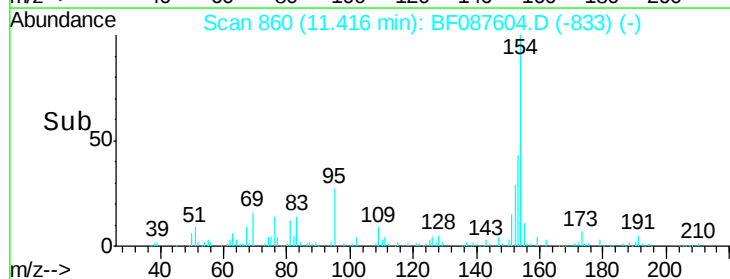
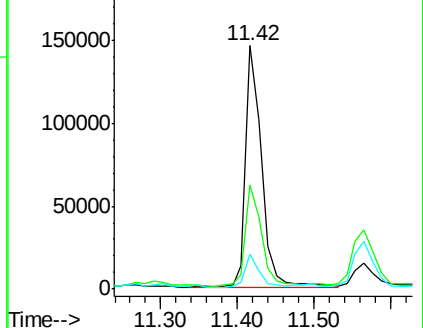
76 14.5 0.0 30.2

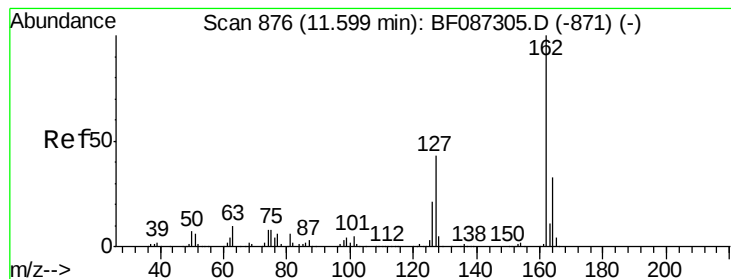


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#46

2-Chloronaphthalene

Concen: 3.96 ng

RT: 11.42 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleID :

B3-12DL

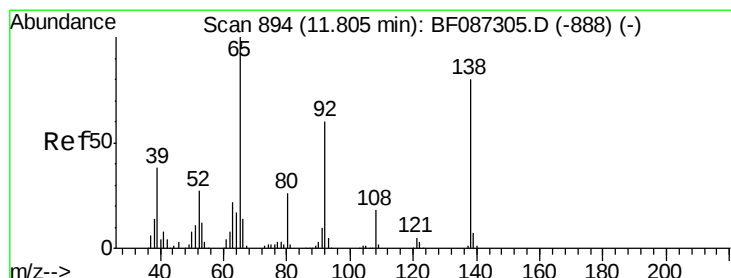
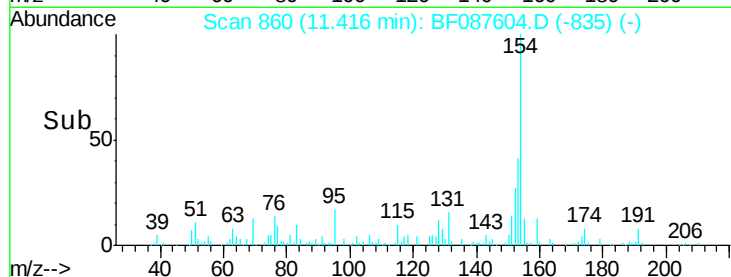
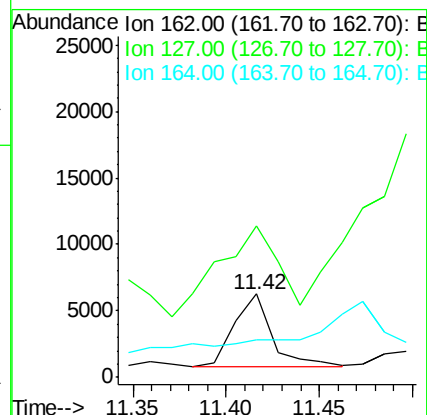
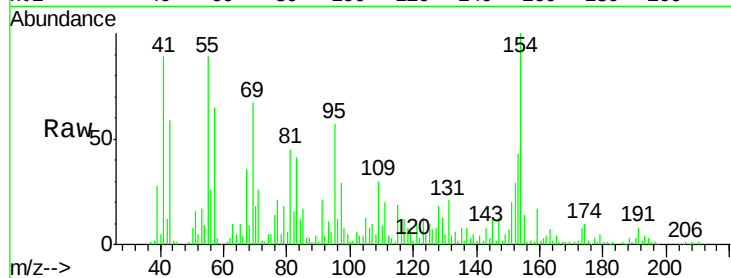
Tgt Ion: 162 Resp: 7747

Ion Ratio Lower Upper

162 100

127 182.2 31.8 47.6#

164 45.1 27.0 40.6#



#47

2-Nitroaniline

Concen: 46.50 ng

RT: 11.68 min Scan# 883

Delta R.T. 0.02 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

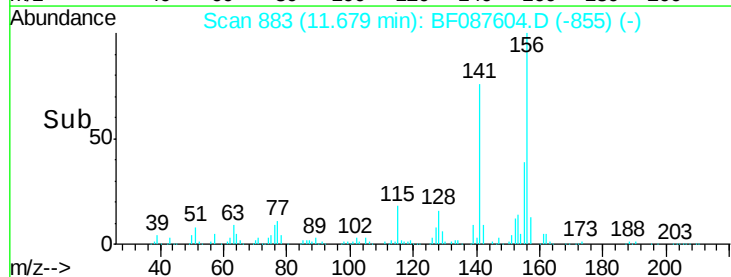
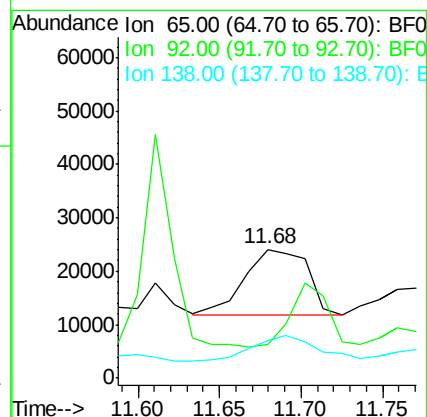
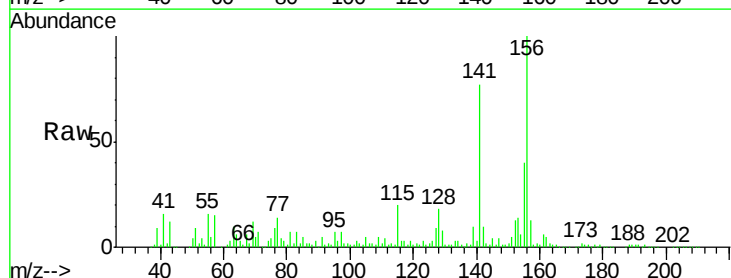
Tgt Ion: 65 Resp: 32784

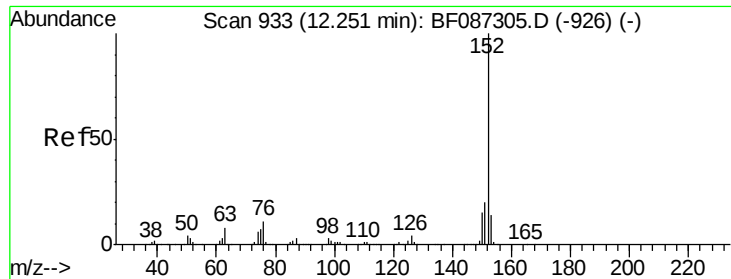
Ion Ratio Lower Upper

65 100

92 26.2 57.4 86.2#

138 29.5 90.1 135.1#





#48

Acenaphthylene

Concen: 21.09 ng

RT: 12.11 min Scan# 921

Delta R.T. 0.03 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleId :

B3-12DL

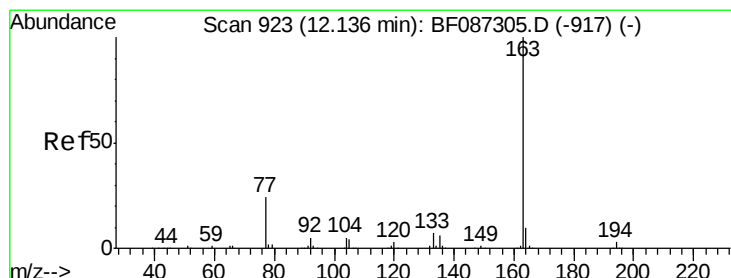
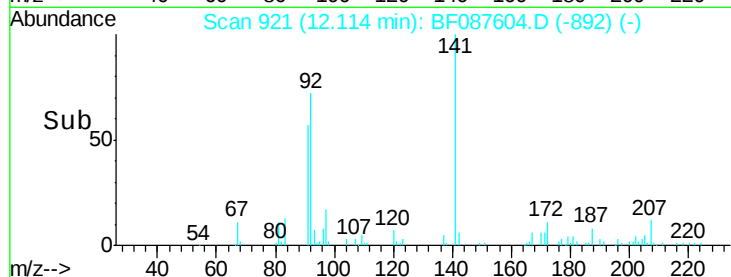
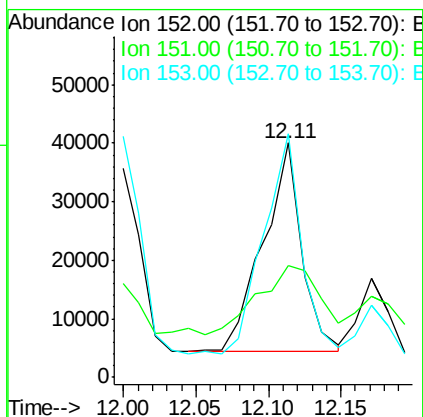
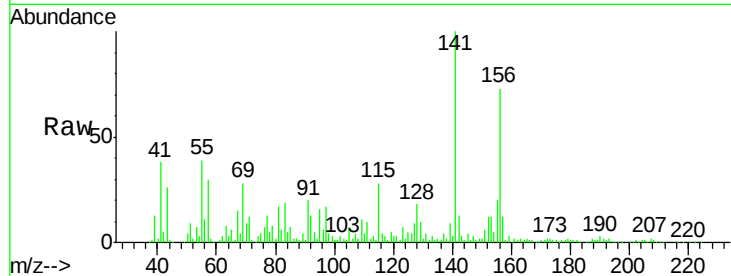
Tgt Ion:152 Resp: 65351

Ion Ratio Lower Upper

152 100

151 47.9 16.8 25.2#

153 103.9 10.9 16.3#



#49

Dimethylphthalate

Concen: 4.66 ng

RT: 11.98 min Scan# 909

Delta R.T. 0.01 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

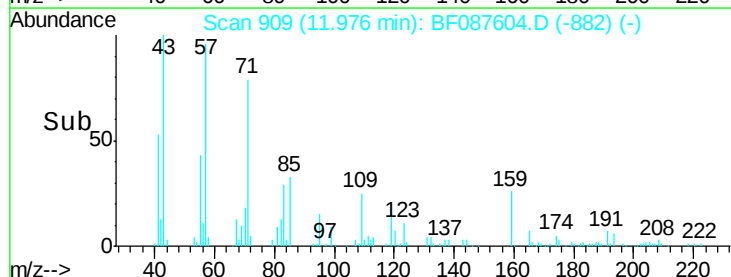
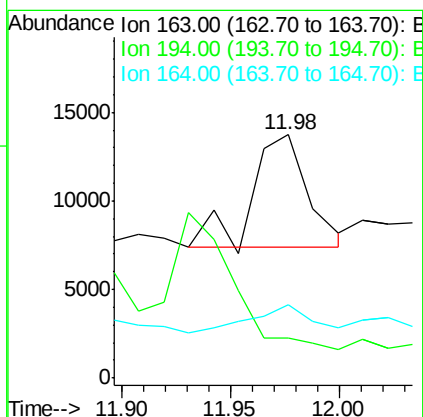
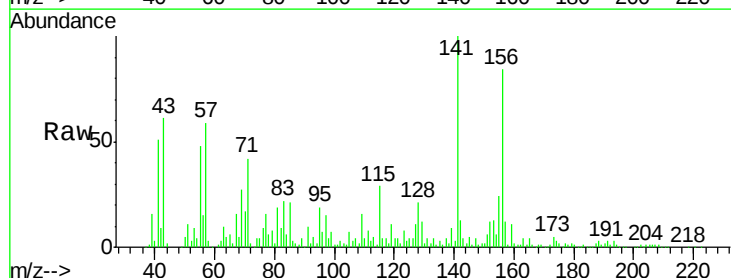
Tgt Ion:163 Resp: 11348

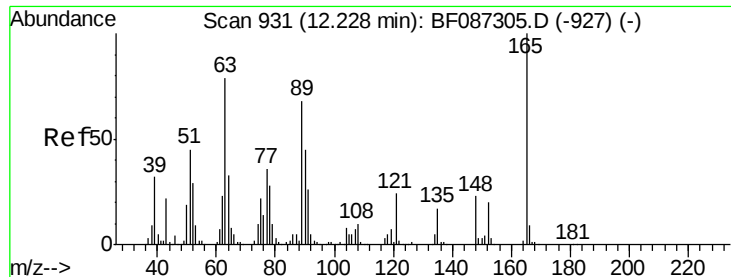
Ion Ratio Lower Upper

163 100

194 16.6 2.6 4.0#

164 30.1 8.2 12.4#

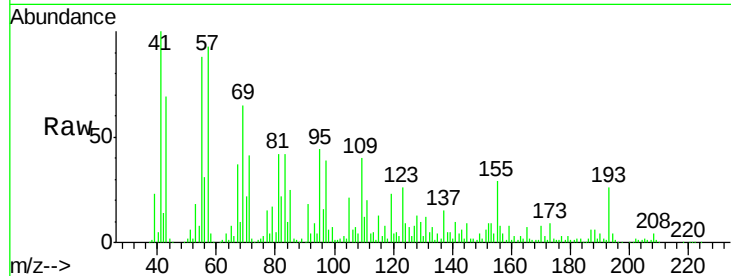




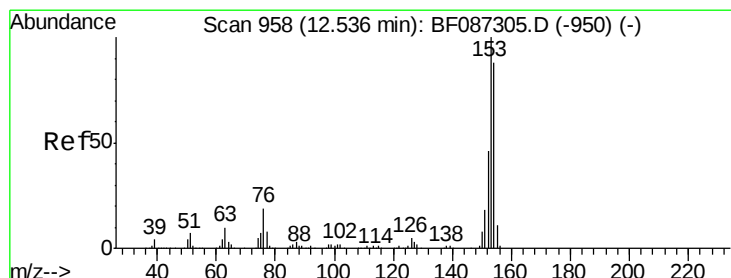
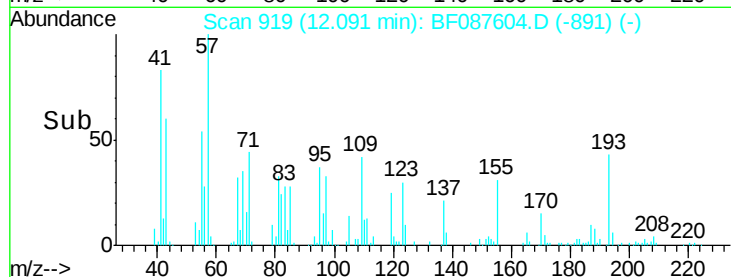
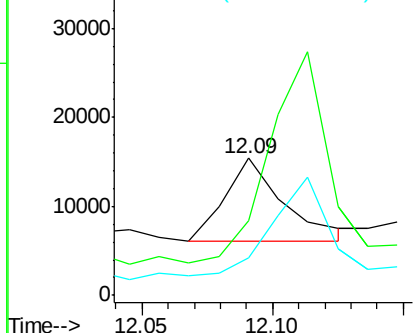
#50
 2,6-Dinitrotoluene
 Concen: 30.02 ng
 RT: 12.09 min Scan# 919
 Delta R.T. 0.02 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

Instrument :
 BNA_F
 ClientSampleId :
 B3-12DL

Tgt Ion:165 Resp: 14723
 Ion Ratio Lower Upper
 165 100
 63 55.0 51.8 77.8
 89 27.5 50.7 76.1#

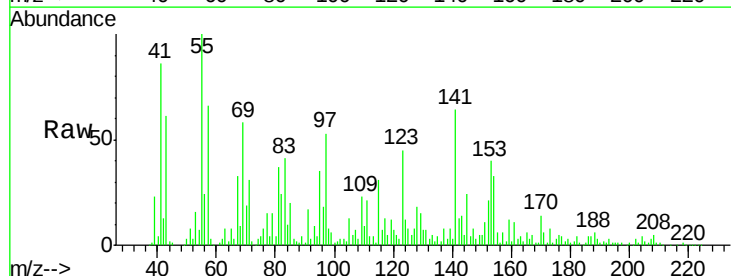


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

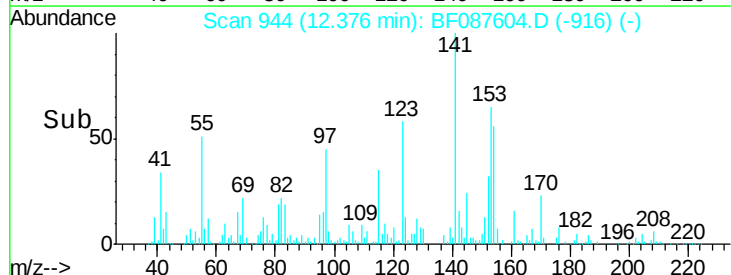
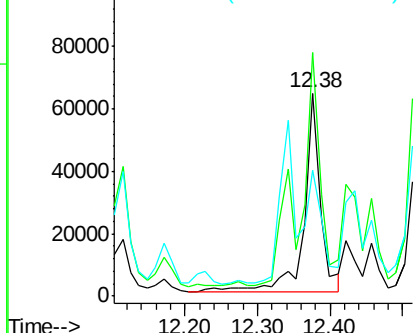


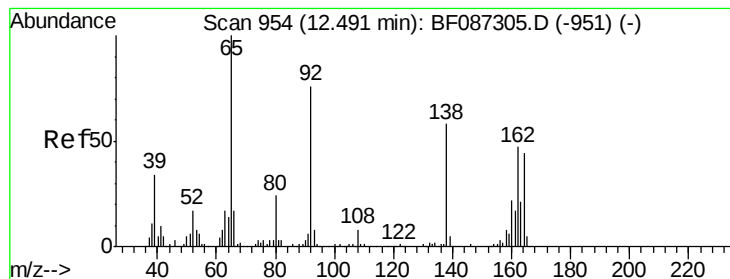
#51
 Acenaphthene
 Concen: 52.65 ng
 RT: 12.38 min Scan# 944
 Delta R.T. 0.02 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

Tgt Ion:154 Resp: 100259
 Ion Ratio Lower Upper
 154 100
 153 119.8 89.8 134.6
 152 62.2 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 19.42 ng

RT: 12.39 min Scan# 945

Delta R.T. 0.05 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleId :

B3-12DL

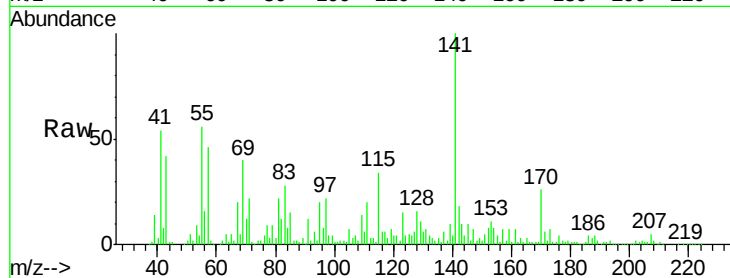
Tgt Ion:138 Resp: 9776

Ion Ratio Lower Upper

138 100

108 103.1 7.8 11.6#

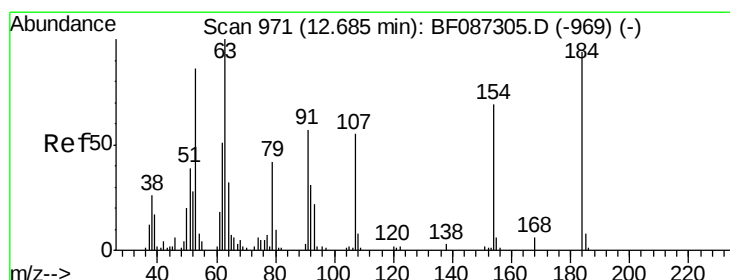
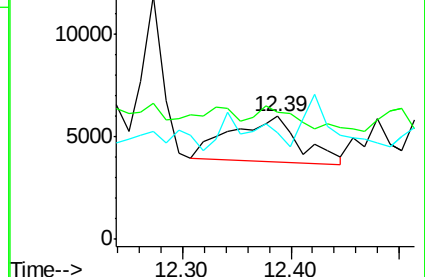
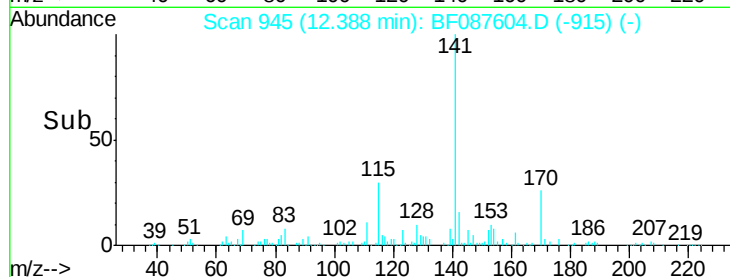
92 86.4 87.8 131.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#53

2,4-Dinitrophenol

Concen: 11.50 ng

RT: 12.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

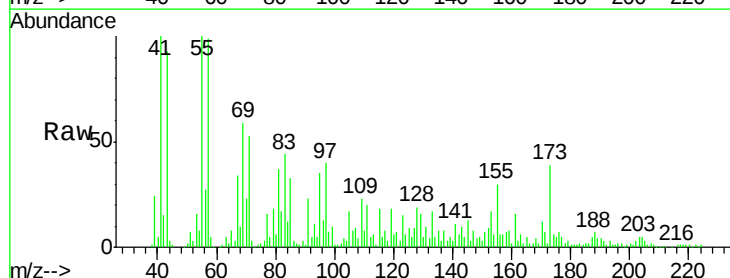
Tgt Ion:184 Resp: 1355

Ion Ratio Lower Upper

184 100

63 661.9 55.8 83.8#

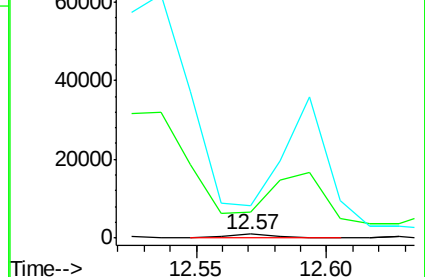
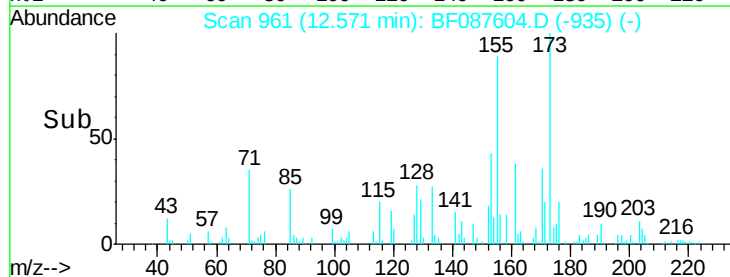
154 824.6 62.4 93.6#

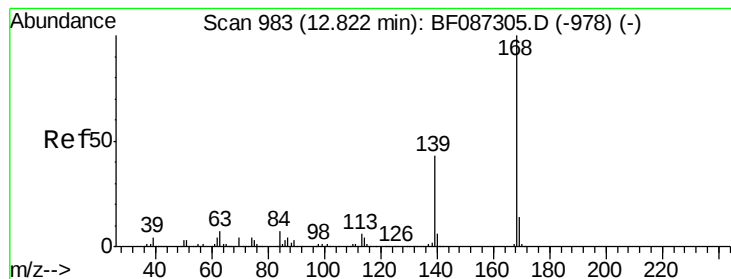


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 57.72 ng

RT: 12.67 min Scan# 970

Delta R.T. 0.02 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleId :

B3-12DL

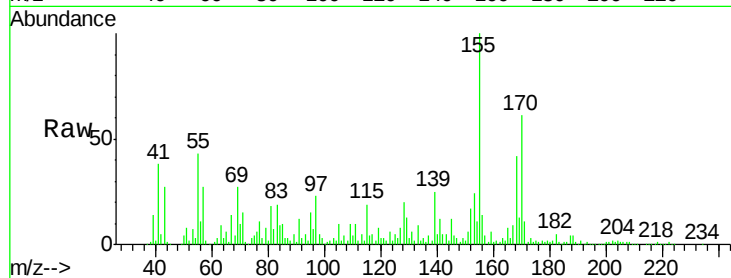
Tgt Ion:168 Resp: 148822

Ion Ratio Lower Upper

168 100

139 59.1 31.4 47.0#

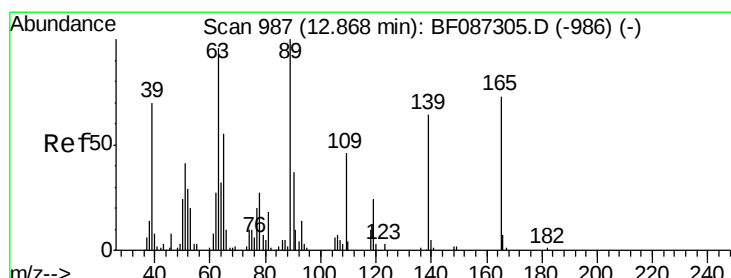
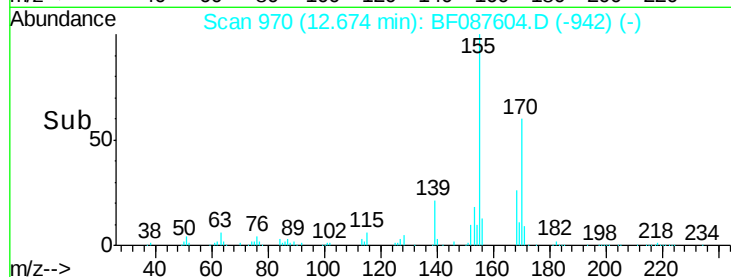
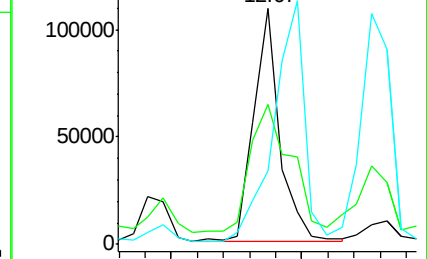
169 31.3 10.7 16.1#



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: 187.57 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.02 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

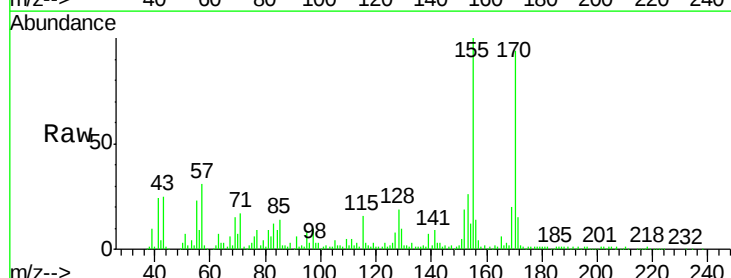
Tgt Ion:139 Resp: 45035

Ion Ratio Lower Upper

139 100

109 69.1 36.9 76.9

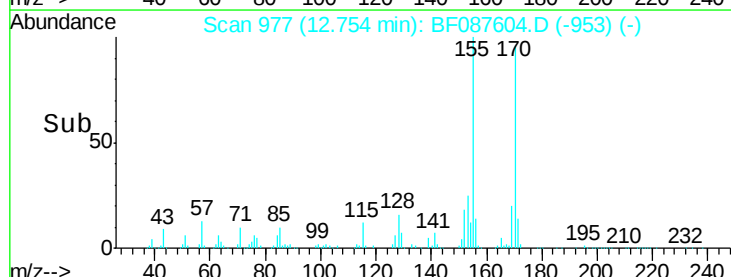
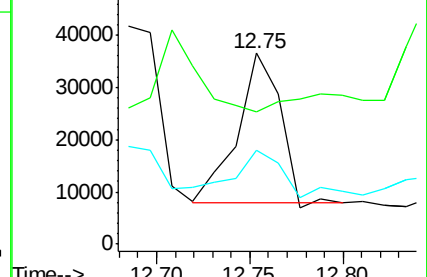
65 49.4 64.0 104.0#

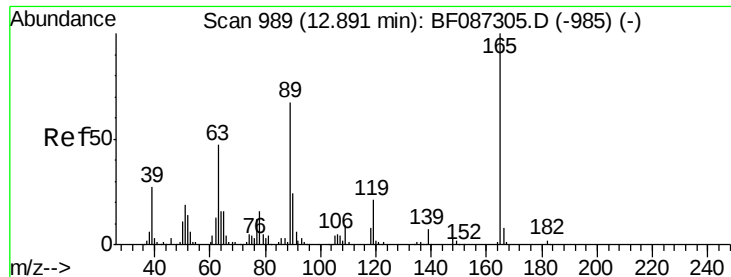


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

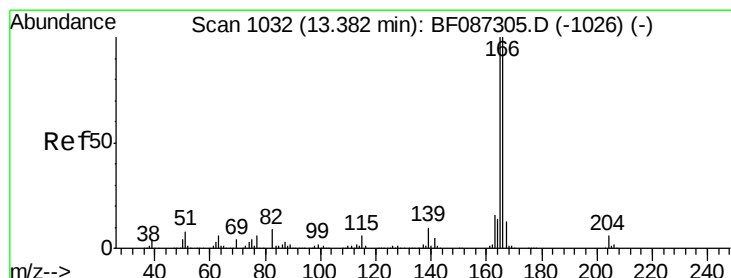
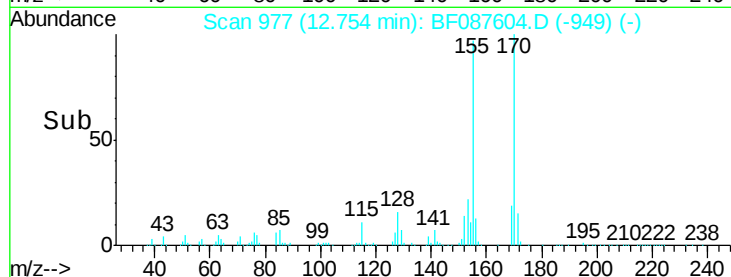
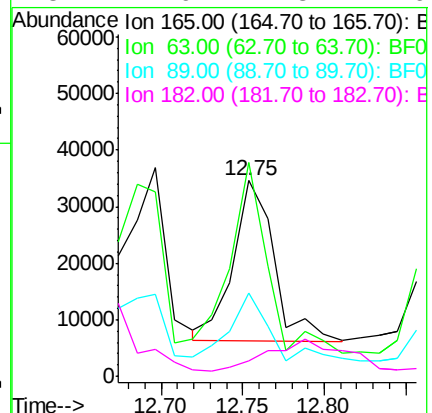
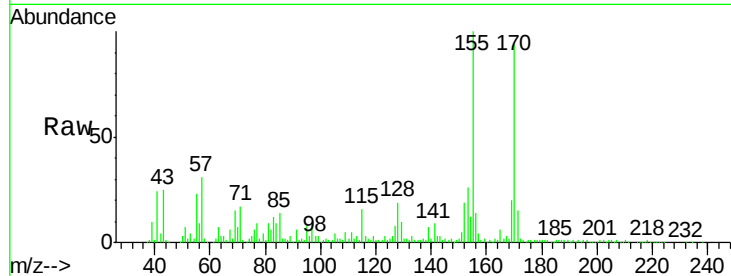




#56
2,4-Dinitrotoluene
Concen: 74.99 ng
RT: 12.75 min Scan# 977
Delta R.T. 0.02 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

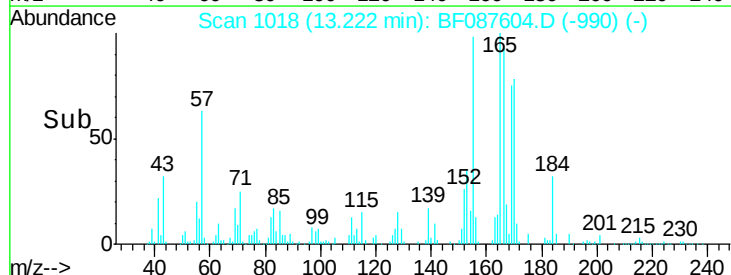
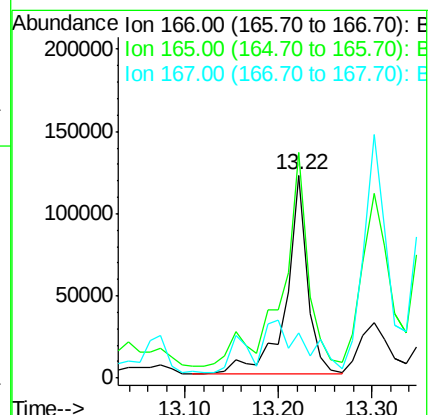
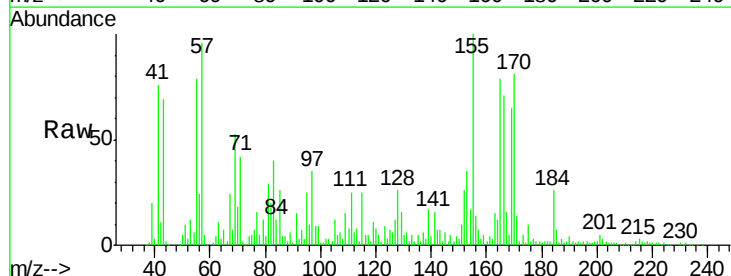
Instrument :
BNA_F
ClientSampleId :
B3-12DL

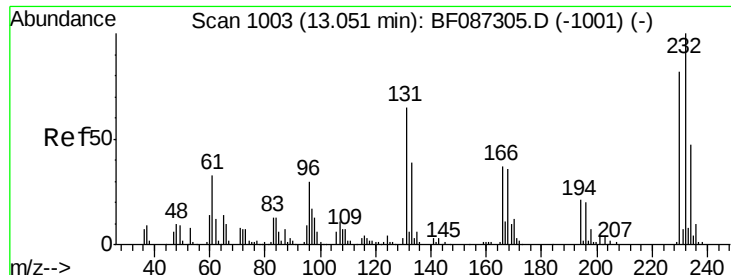
Tgt Ion	Ratio	Lower	Upper
165	100		
63	109.2	44.3	66.5#
89	42.4	70.0	105.0#
182	7.9	1.8	2.6#



#57
Fluorene
Concen: 85.85 ng
RT: 13.22 min Scan# 1018
Delta R.T. 0.02 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

Tgt Ion	Ratio	Lower	Upper
166	100		
165	111.3	79.0	118.6
167	22.1	10.6	15.8#

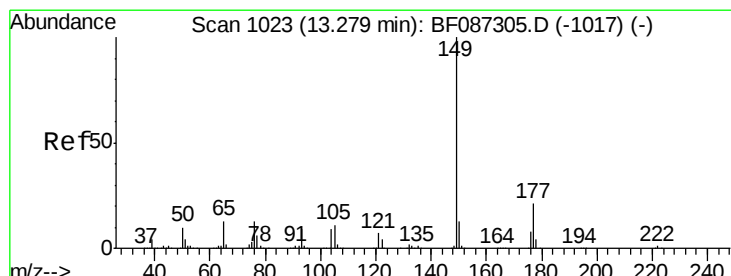
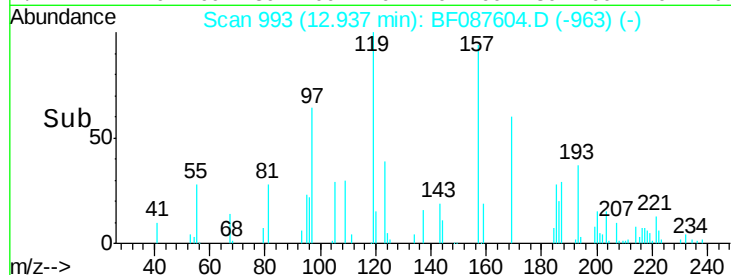
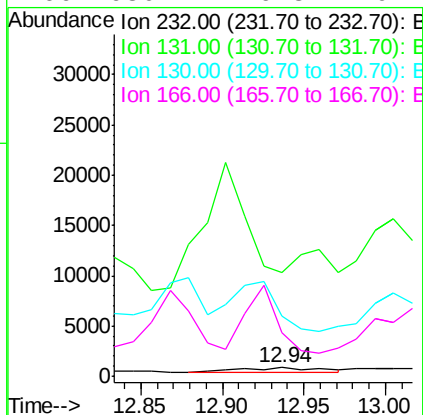
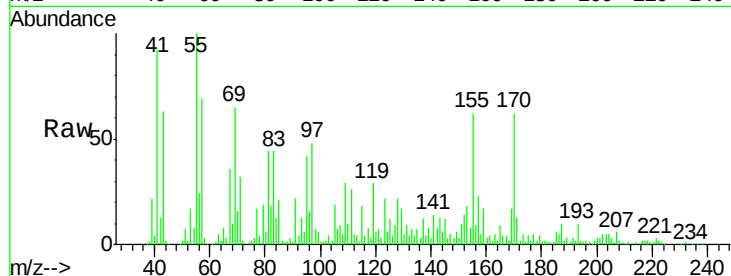




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 2.97 ng
 RT: 12.94 min Scan# 993
 Delta R.T. 0.05 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

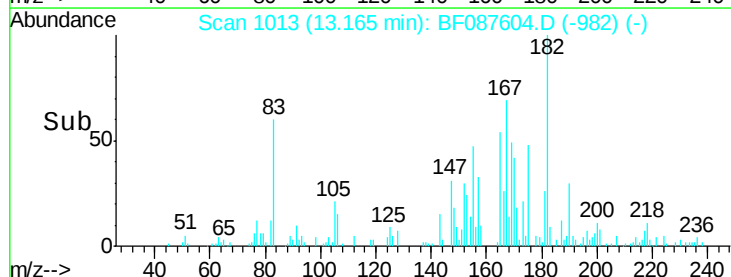
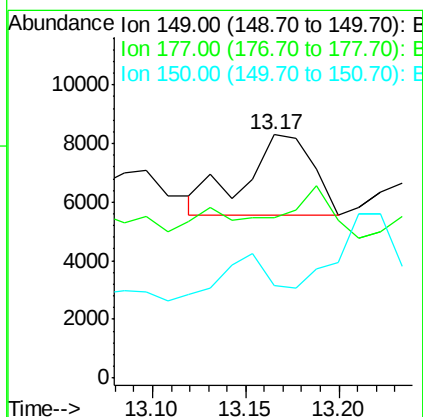
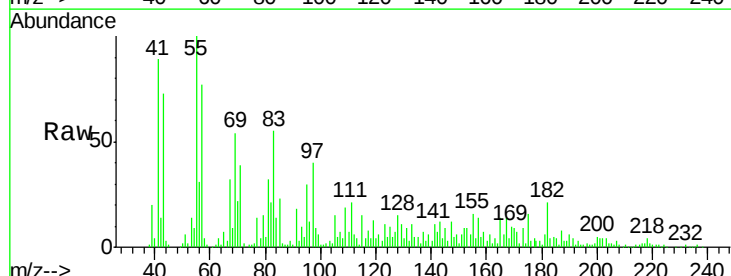
Instrument :
 BNA_F
 ClientSampleId :
 B3-12DL

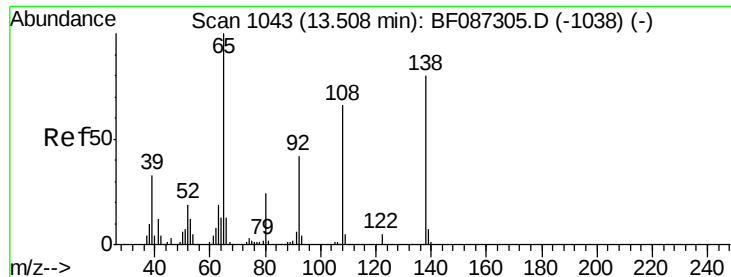
Tgt Ion:232 Resp: 1308
 Ion Ratio Lower Upper
 232 100
 131 0.0 41.9 62.9#
 130 745.3 2.2 3.4#
 166 680.1 26.8 40.2#



#59
 Diethylphthalate
 Concen: 2.97 ng
 RT: 13.17 min Scan# 1013
 Delta R.T. 0.06 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

Tgt Ion:149 Resp: 7027
 Ion Ratio Lower Upper
 149 100
 177 65.8 16.6 24.8#
 150 38.0 10.0 15.0#

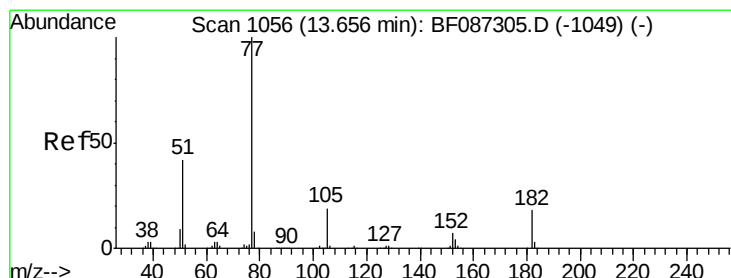
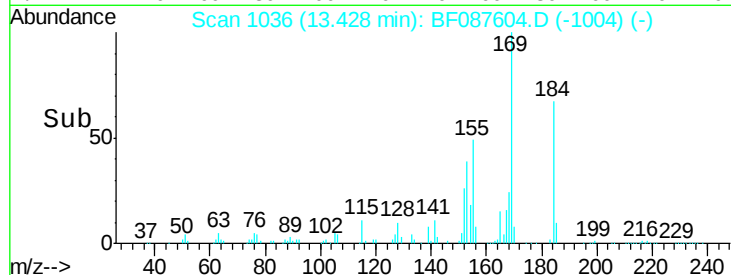
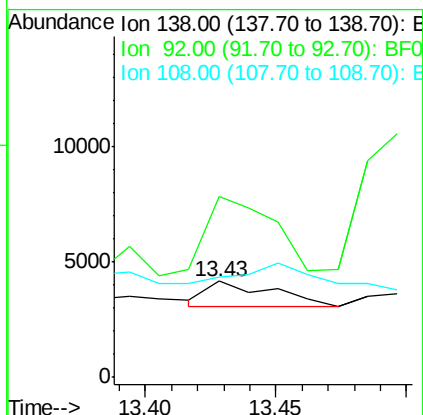
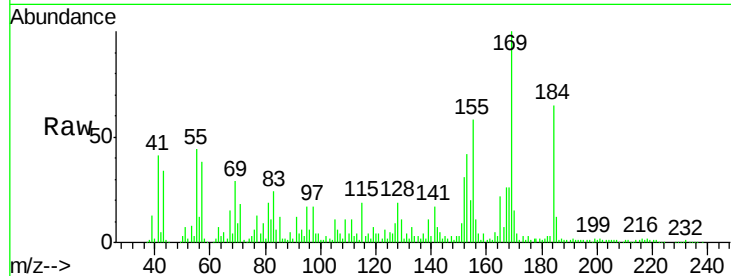




#61
4-Nitroaniline
Concen: 3.97 ng
RT: 13.43 min Scan# 1036
Delta R.T. 0.07 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

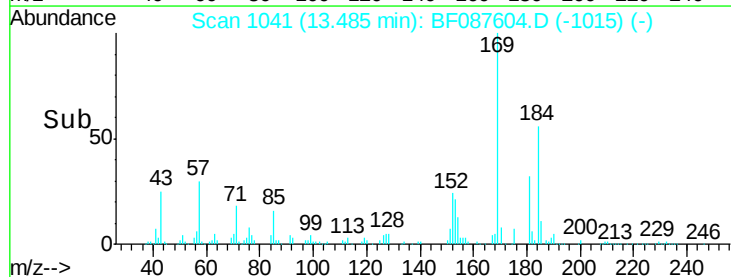
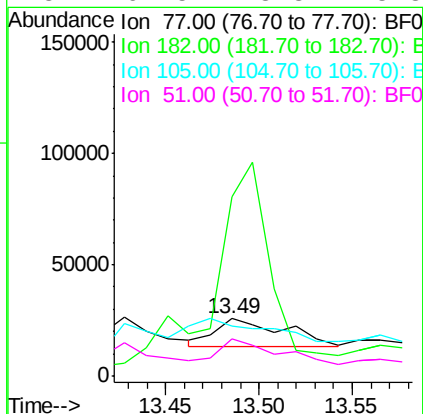
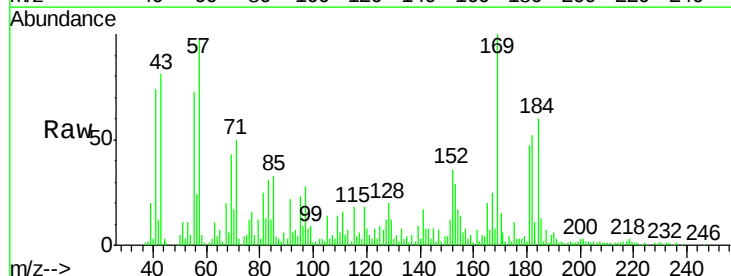
Instrument :
BNA_F
ClientSampled :
B3-12DL

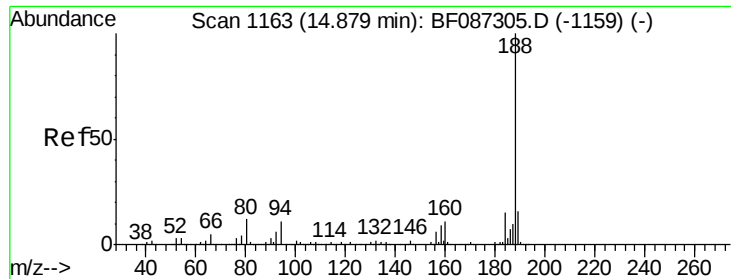
Tgt Ion: 138 Resp: 1865
Ion Ratio Lower Upper
138 100
92 188.1 24.7 64.7#
108 104.3 37.4 77.4#



#62
Azobenzene
Concen: 12.69 ng
RT: 13.49 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

Tgt Ion: 77 Resp: 31159
Ion Ratio Lower Upper
77 100
182 314.9 0.0 38.8#
105 86.6 3.2 43.2#
51 64.5 8.8 48.8#

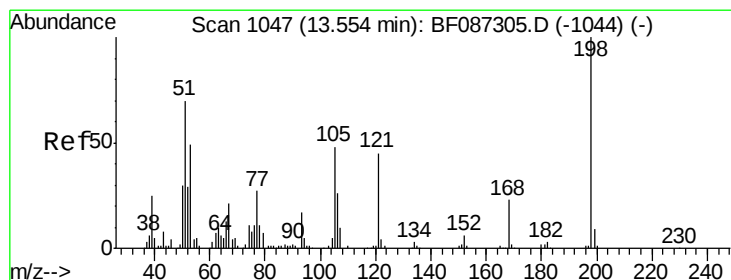
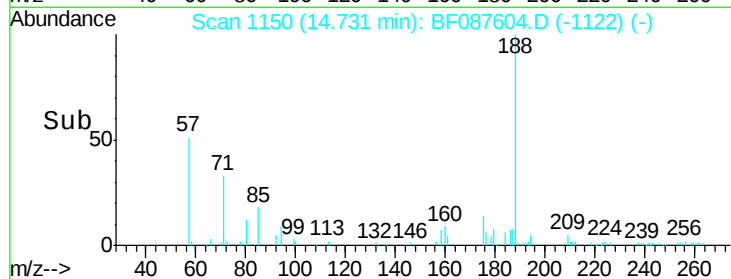
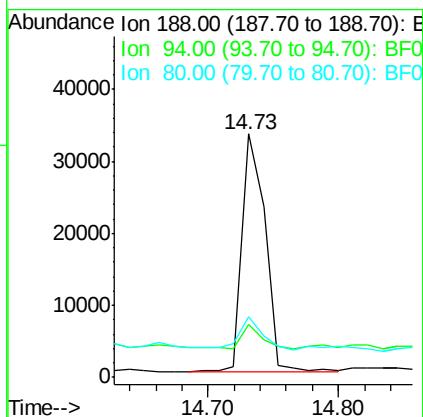
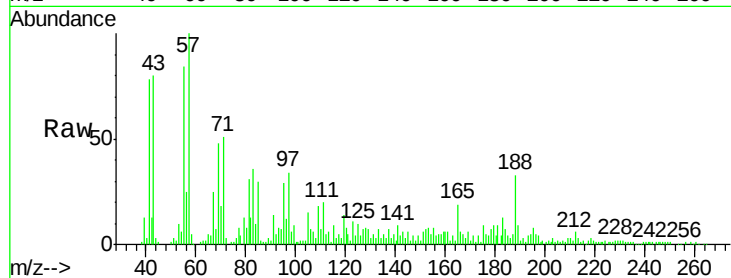




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.73 min Scan# 1150
Delta R.T. 0.02 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

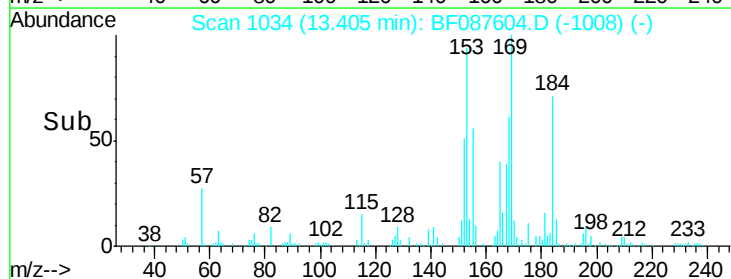
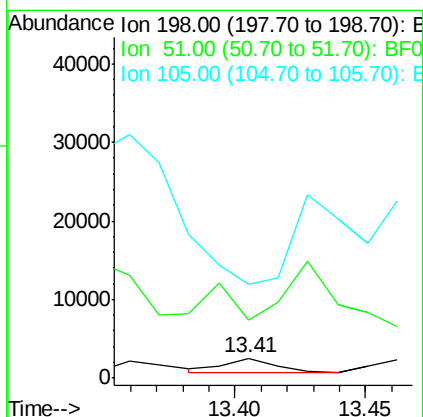
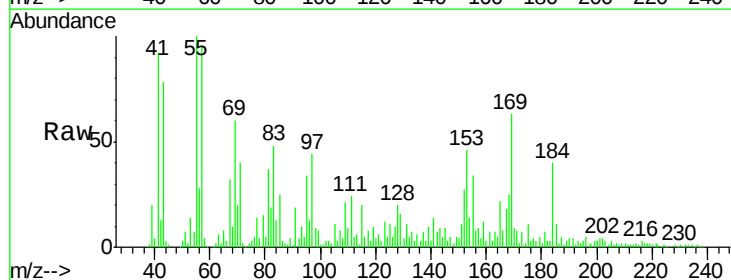
Instrument :
BNA_F
ClientSampleId :
B3-12DL

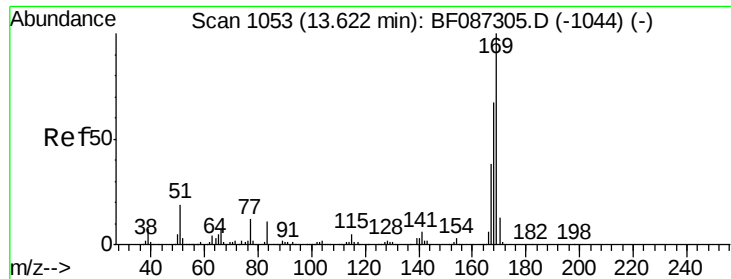
Tgt Ion:188 Resp: 40751
Ion Ratio Lower Upper
188 100
94 21.7 6.8 10.2#
80 25.1 7.1 10.7#



#64
4,6-Dinitro-2-methylphenol
Concen: 9.95 ng
RT: 13.41 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF087604.D
Acq: 1 Jun 2016 4:19

Tgt Ion:198 Resp: 2577
Ion Ratio Lower Upper
198 100
51 291.8 20.5 60.5#
105 473.6 24.5 64.5#





#65

n-Nitrosodiphenylamine

Concen: 167.30 ng

RT: 13.49 min Scan# 1041

Delta R.T. 0.05 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleId :

B3-12DL

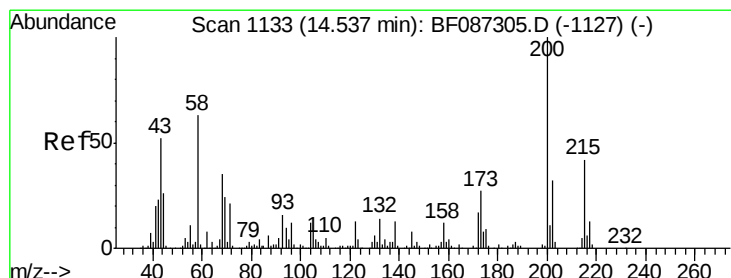
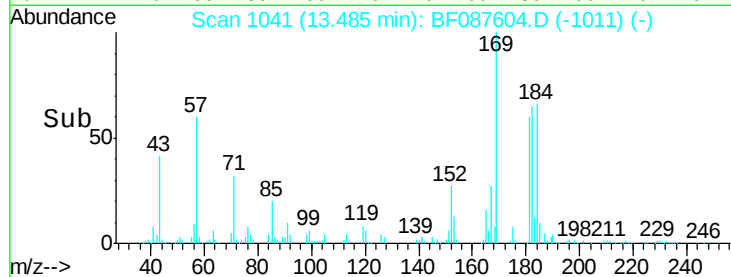
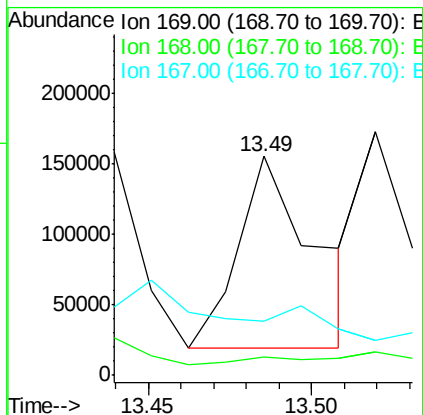
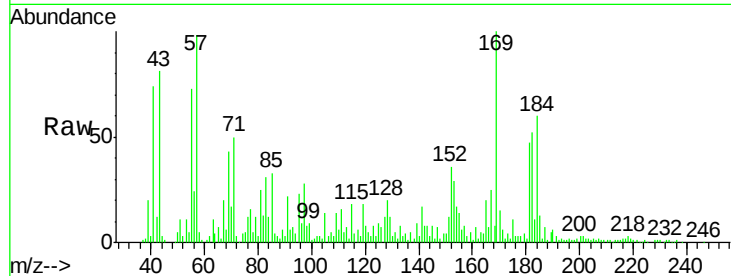
Tgt Ion:169 Resp: 220488

Ion Ratio Lower Upper

169 100

168 8.2 53.8 80.6#

167 24.7 29.5 44.3#



#68

Atrazine

Concen: 4.35 ng

RT: 14.42 min Scan# 1123

Delta R.T. 0.06 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

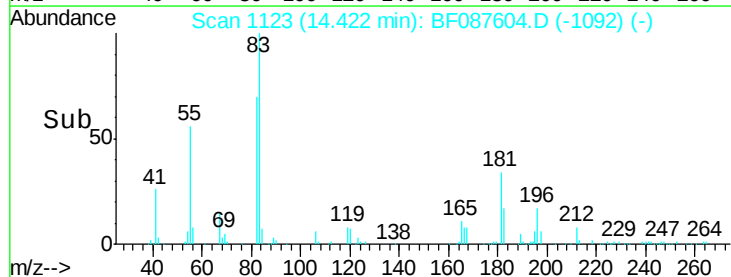
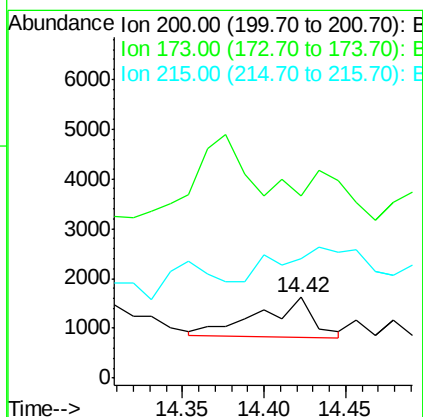
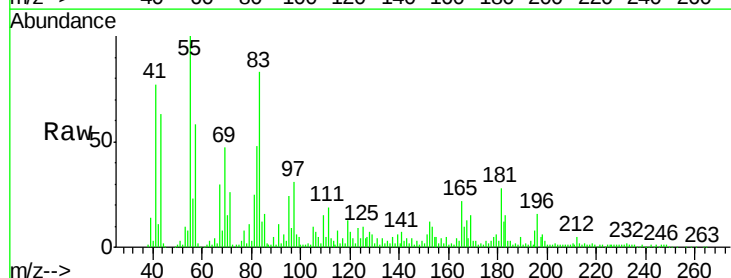
Tgt Ion:200 Resp: 1829

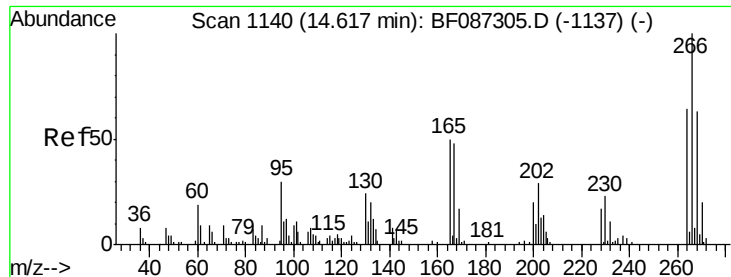
Ion Ratio Lower Upper

200 100

173 226.8 8.5 48.5#

215 148.9 27.2 67.2#

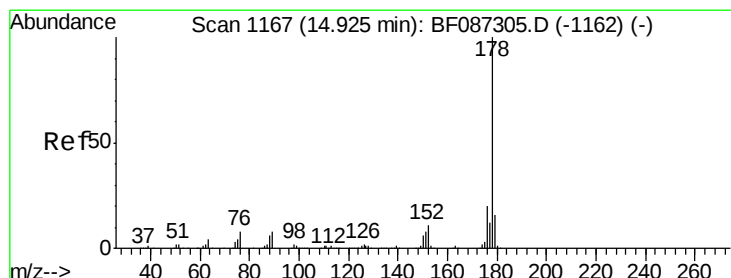
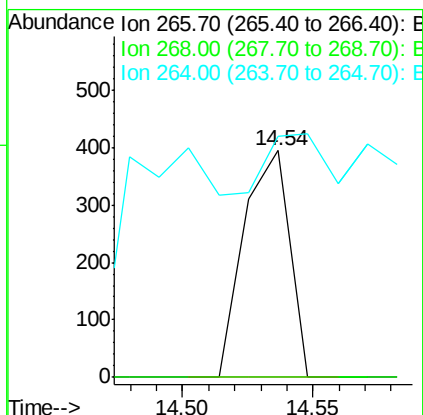
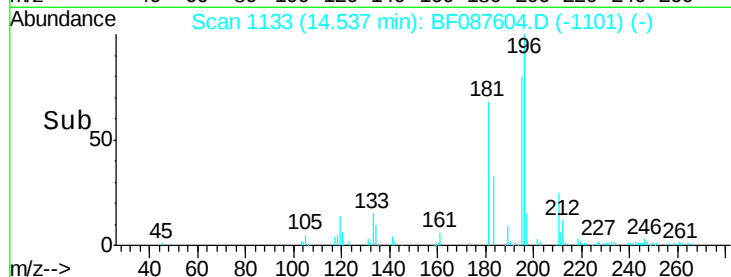
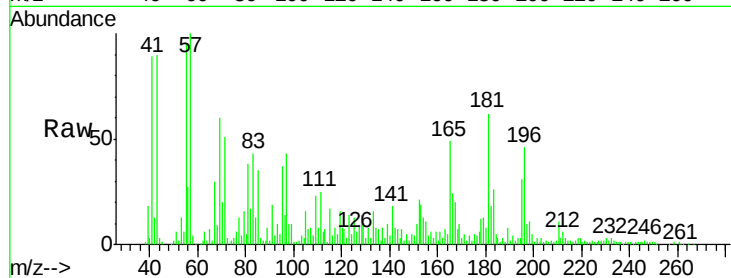




#69
 Pentachlorophenol
 Concen: 9.25 ng
 RT: 14.54 min Scan# 1133
 Delta R.T. 0.07 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

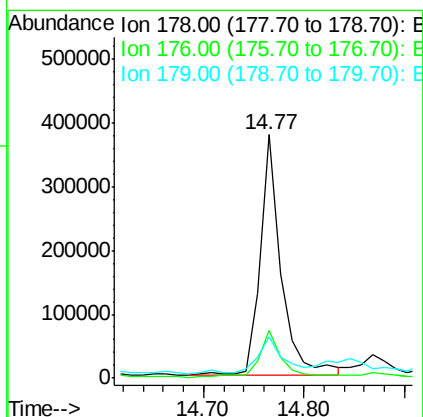
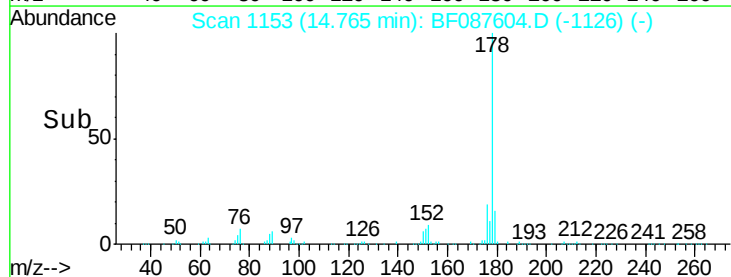
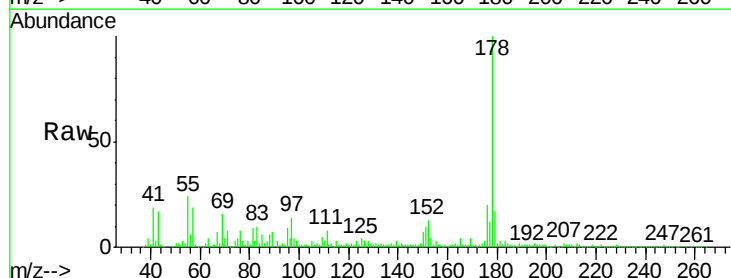
Instrument :
 BNA_F
 ClientSampleId :
 B3-12DL

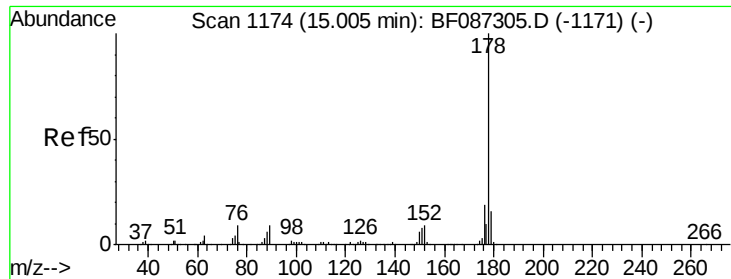
Tgt Ion:266 Resp: 483
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.5 77.3#
 264 106.3 52.9 79.3#



#70
 Phenanthrene
 Concen: 243.71 ng
 RT: 14.77 min Scan# 1153
 Delta R.T. 0.01 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

Tgt Ion:178 Resp: 550104
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.0 24.0
 179 17.3 12.6 18.8

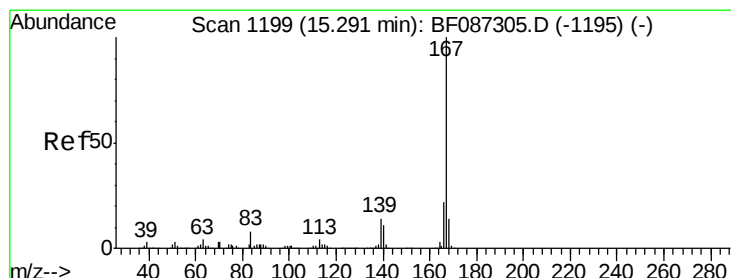
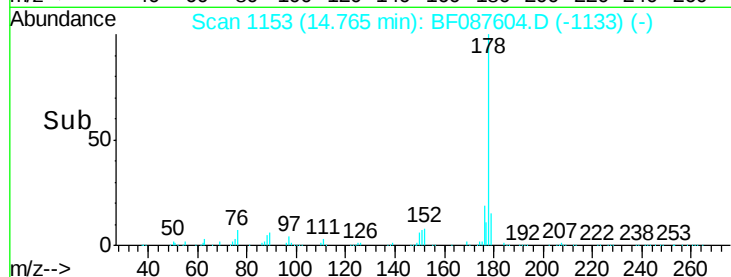
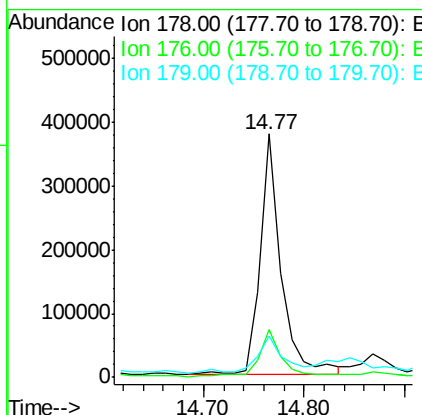
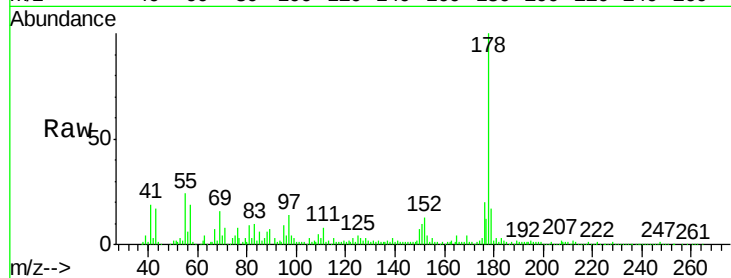




#71
 Anthracene
 Concen: 241.24 ng
 RT: 14.77 min Scan# 1153
 Delta R.T. -0.07 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

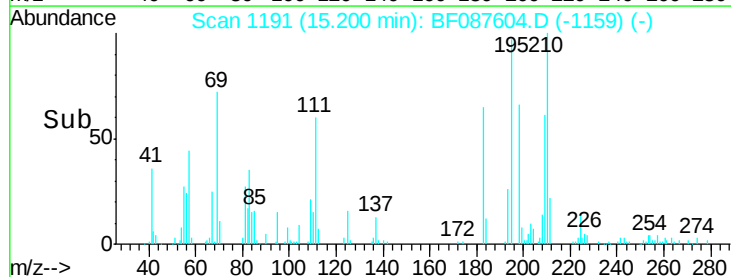
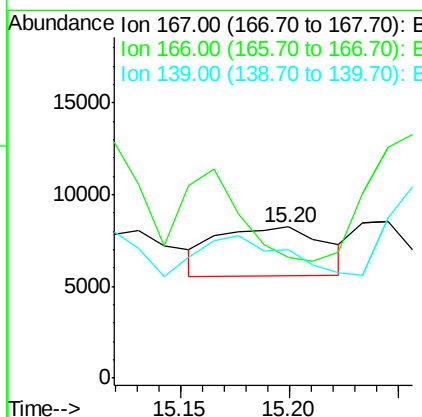
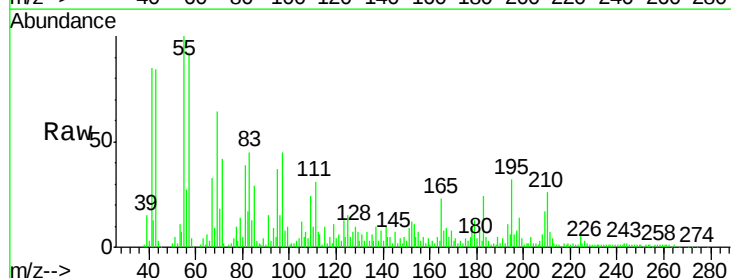
Instrument :
 BNA_F
 ClientSampleId :
 B3-12DL

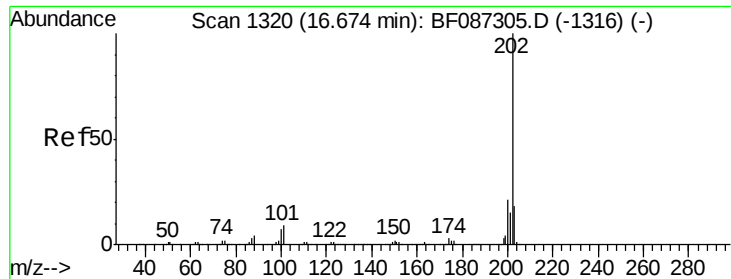
Tgt Ion:178 Resp: 550104
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.6 23.4
 179 17.3 12.7 19.1



#72
 Carbazole
 Concen: 4.79 ng
 RT: 15.20 min Scan# 1191
 Delta R.T. 0.07 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

Tgt Ion:167 Resp: 9322
 Ion Ratio Lower Upper
 167 100
 166 79.5 17.7 26.5#
 139 84.6 10.8 16.2#





#74

Fluoranthene

Concen: 7.00 ng

RT: 16.56 min Scan# 1310

Delta R.T. 0.05 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleId :

B3-12DL

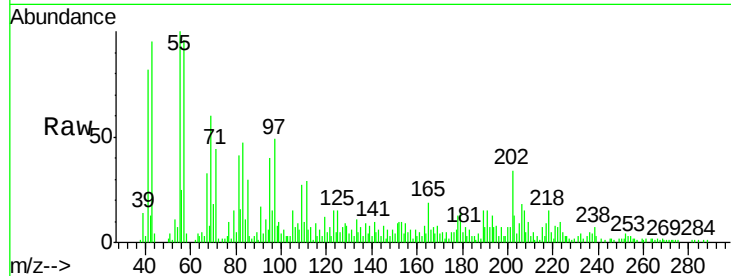
Tgt Ion:202 Resp: 15844

Ion Ratio Lower Upper

202 100

101 16.7 0.0 35.4

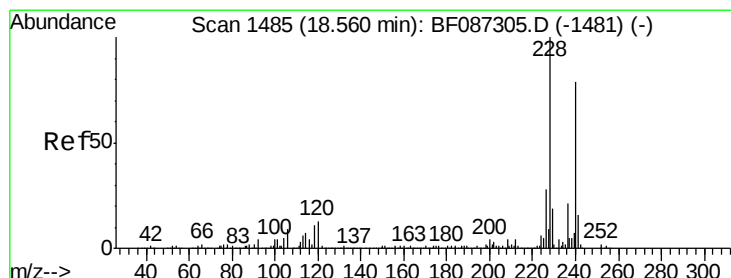
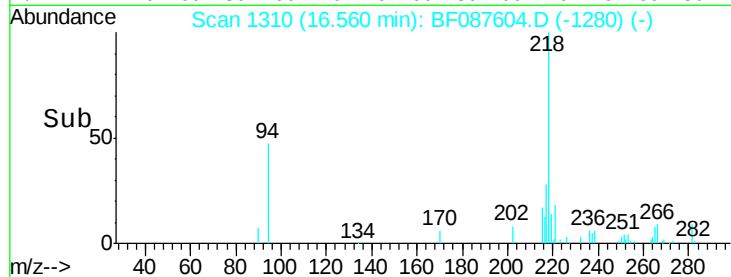
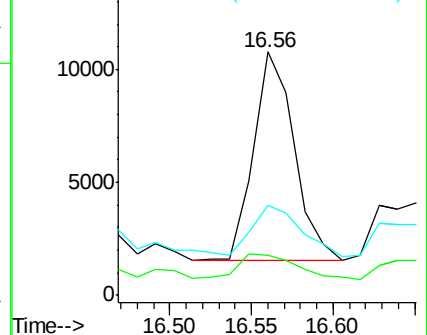
203 37.1 0.0 38.1



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: 18.46 min Scan# 1476

Delta R.T. 0.03 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

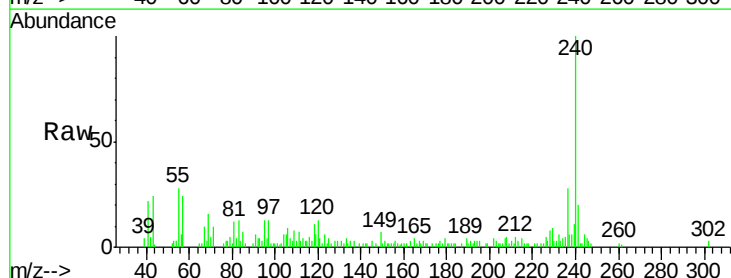
Tgt Ion:240 Resp: 33274

Ion Ratio Lower Upper

240 100

120 13.1 11.2 16.8

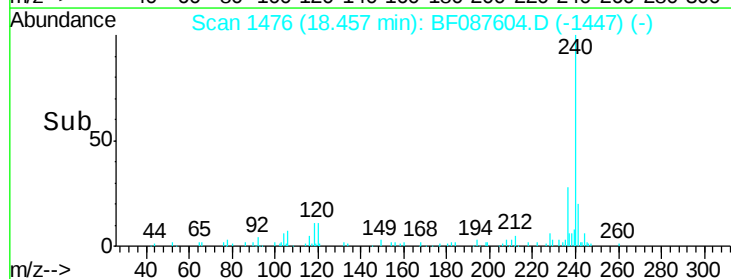
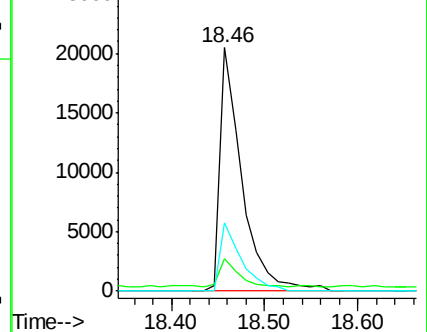
236 27.8 21.2 31.8

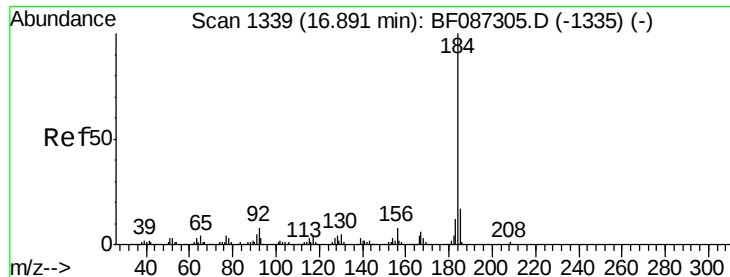


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.70 ng

RT: 16.77 min Scan# 1328

Delta R.T. 0.01 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleId :

B3-12DL

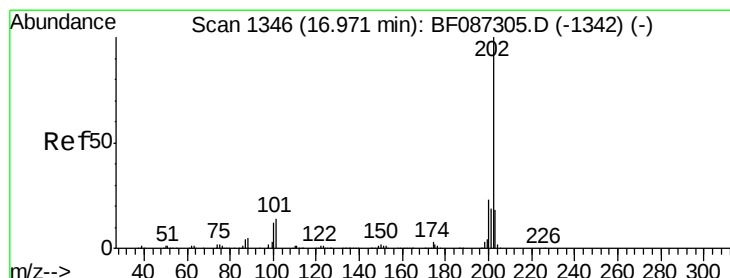
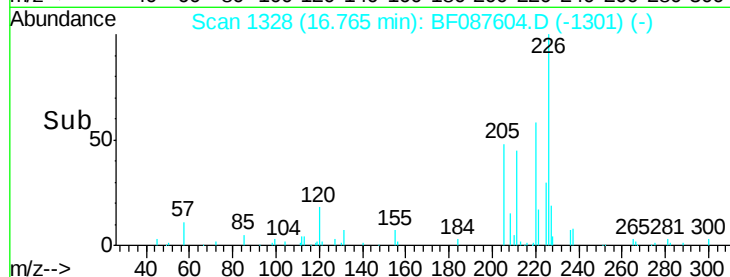
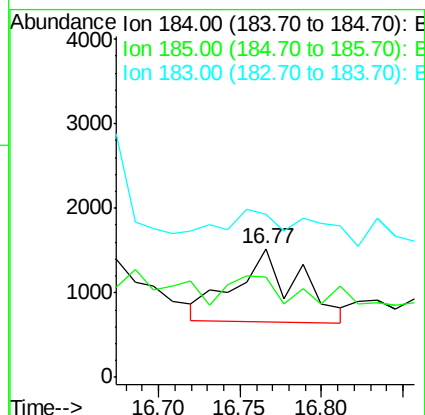
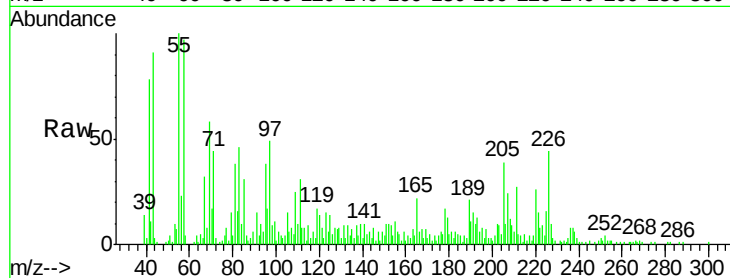
Tgt Ion:184 Resp: 2313

Ion Ratio Lower Upper

184 100

185 77.7 13.6 20.4#

183 126.0 9.8 14.6#



#77

Pyrene

Concen: 13.45 ng

RT: 16.86 min Scan# 1336

Delta R.T. 0.03 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

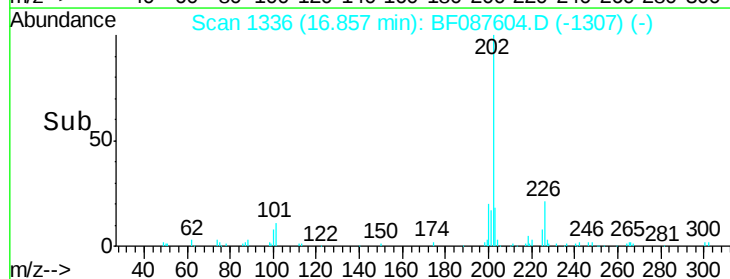
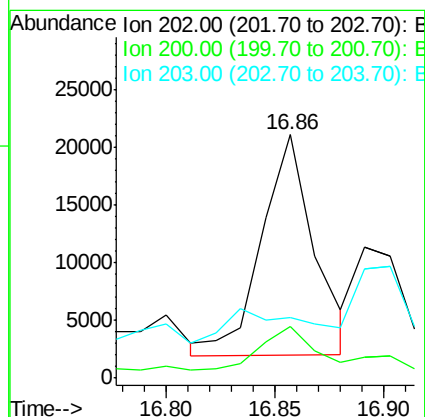
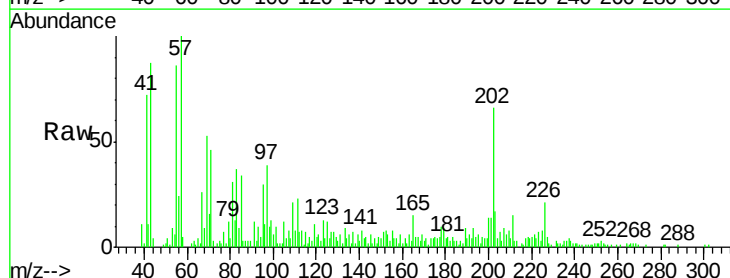
Tgt Ion:202 Resp: 32218

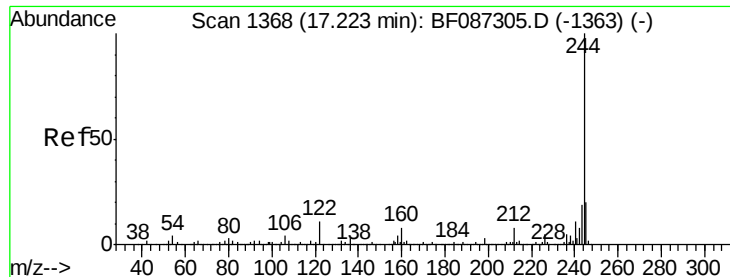
Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

203 25.0 14.2 21.4#





#78

Terphenyl-d14

Concen: 69.64 ng

RT: 17.06 min Scan# 1354

Delta R.T. 0.00 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleId :

B3-12DL

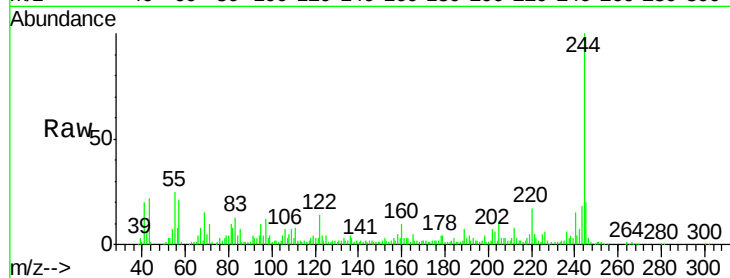
Tgt Ion:244 Resp: 108986

Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.2

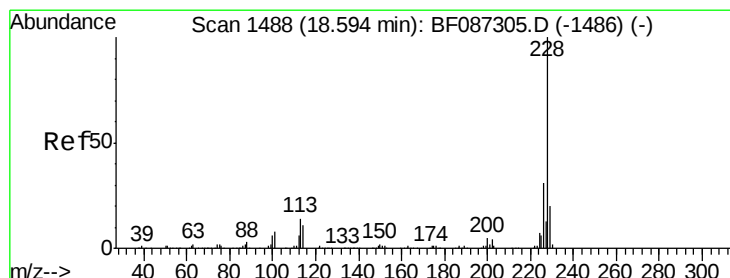
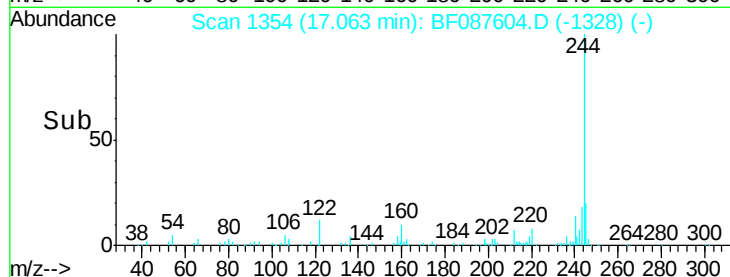
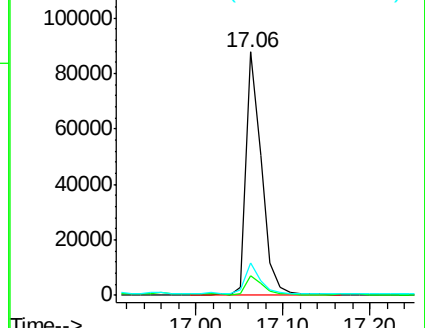
122 13.5 12.0 18.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#82

Chrysene

Concen: 4.46 ng

RT: 18.50 min Scan# 1480

Delta R.T. 0.05 min

Lab File: BF087604.D

Acq: 1 Jun 2016 4:19

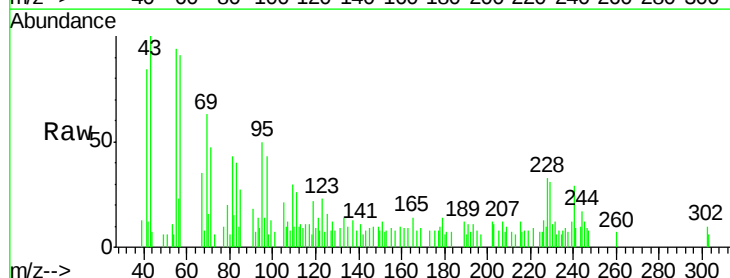
Tgt Ion:228 Resp: 8380

Ion Ratio Lower Upper

228 100

226 40.9 24.4 36.6#

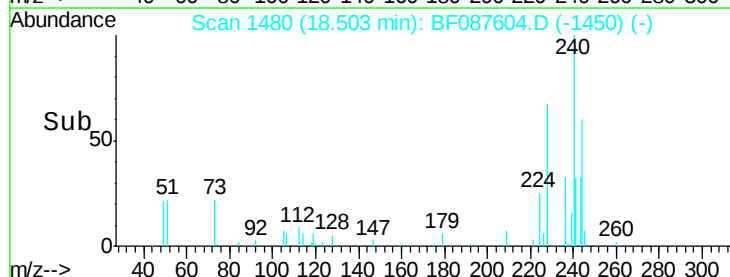
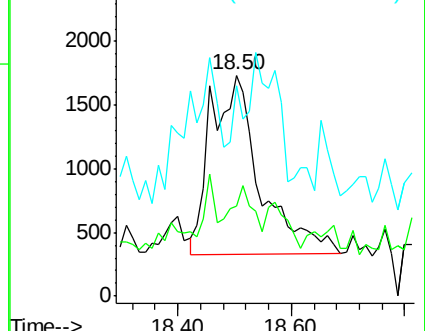
229 95.0 15.8 23.8#

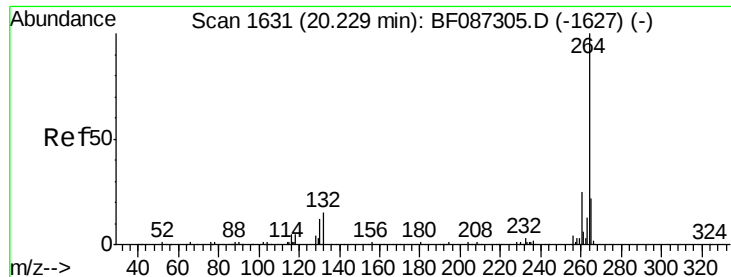


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

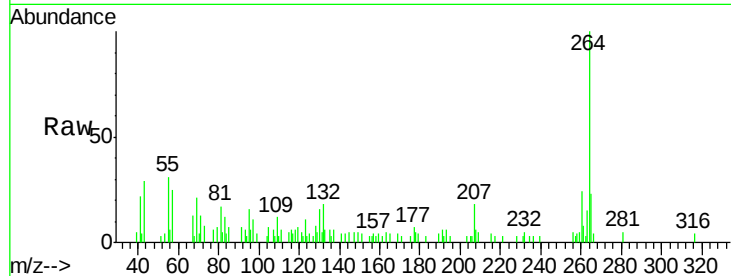




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.16 min Scan# 1625
 Delta R.T. 0.05 min
 Lab File: BF087604.D
 Acq: 1 Jun 2016 4:19

Instrument :
 BNA_F
 ClientSampleID :
 B3-12DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	23.5	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

