

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052916\
 Data File : BF087540.D
 Acq On : 30 May 2016 7:24
 Operator : UM/SJ
 Sample : H3303-03
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B3-12

Quant Time: May 30 07:58:08 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 30 07:00:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	70917	20.00	ng	0.02
21) Naphthalene-d8	9.54	136	274815	20.00	ng	0.03
38) Acenaphthene-d10	12.34	164	7092	20.00	ng	0.01
63) Phenanthrene-d10	14.86	188	155623	20.00	ng	0.11
75) Chrysene-d12	18.46	240	243435	20.00	ng	0.01
86) Perylene-d12	20.14	264	202398	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	562510	139.38	ng	0.00
7) Phenol-d6	7.03	99	763491	140.00	ng	-0.01
23) Nitrobenzene-d5	8.41	82	720743	132.18	ng	0.00
41) 2,4,6-Tribromophenol	13.78	330	98433	1444.31	ng	0.15
44) 2-Fluorobiphenyl	11.43	172	496420	986.81	ng	0.14
78) Terphenyl-d14	17.12	244	638600	55.77	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	1.63	88	102468	48.12	ng	# 22
9) Benzaldehyde	6.79	77	28097	9.33	ng	# 1
15) Benzyl Alcohol	7.72	79	18208	4.58	ng	# 40
18) Hexachloroethane	8.39	117	1752594	833.59	ng	# 29
19) n-Nitroso-di-n-propylamine	8.31	70	29700	7.30	ng	# 79
20) 3+4-Methylphenols	8.36	107	17357	3.56	ng	# 1
22) Acetophenone	8.12	105	915332	139.42	ng	# 40
24) Nitrobenzene	8.36	77	149600	25.99	ng	# 62
25) Isophorone	8.75	82	127411	13.03	ng	# 1
26) 2-Nitrophenol	8.88	139	33130	14.08	ng	# 1
27) 2,4-Dimethylphenol	9.02	122	85567	20.95	ng	# 1
28) bis(2-Chloroethoxy)methane	9.27	93	90034	16.35	ng	# 1
29) 2,4-Dichlorophenol	9.55	162	367263	99.77	ng	# 25
30) 1,2,4-Trichlorobenzene	9.48	180	25541	6.06	ng	# 52
31) Naphthalene	9.61	128	3619670	262.85	ng	# 79
32) Benzoic acid	9.46	122	77881	38.36	ng	# 1
33) 4-Chloroaniline	9.63	127	725870	143.11	ng	# 1
35) Caprolactam	10.47	113	621329	578.35	ng	# 1
36) 4-Chloro-3-methylphenol	10.58	107	52274	12.56	ng	# 41
37) 2-Methylnaphthalene	10.87	142	8313487	966.36	ng	# 94
42) 2,4,6-Trichlorophenol	11.06	196	26318	200.85	ng	# 13
43) 2,4,5-Trichlorophenol	11.33	196	23100	173.11	ng	# 1
45) 1,1'-Biphenyl	11.60	154	892487	1494.69	ng	# 88
46) 2-Chloronaphthalene	11.52	162	19355	42.37	ng	# 1
47) 2-Nitroaniline	11.74	65	6950	42.23	ng	# 52
48) Acenaphthylene	12.21	152	181081	250.38	ng	# 1
49) Dimethylphthalate	11.95	163	25209	44.37	ng	# 4
50) 2,6-Dinitrotoluene	12.10	165	42452	370.84	ng	# 78
51) Acenaphthene	12.30	154	71574	161.01	ng	# 1
52) 3-Nitroaniline	12.43	138	123265	1049.17	ng	# 34
53) 2,4-Dinitrophenol	12.57	184	1129	24.24	ng	# 1
54) Dibenzofuran	12.78	168	225724	375.06	ng	# 36
55) 4-Nitrophenol	12.86	139	326788	5830.93	ng	# 56
56) 2,4-Dinitrotoluene	12.78	165	21242	138.84	ng	# 58

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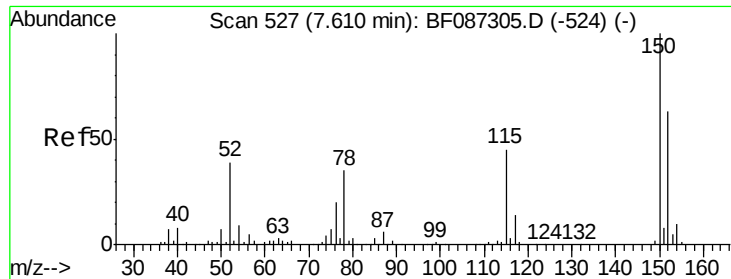
Instrument :
 BNA_F
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

57) Fluorene	13.23	166	41487	79.49	ng	# 1
58) 2,3,4,6-Tetrachlorophenol	12.94	232	1684	16.41	ng	# 34
59) Diethylphthalate	13.14	149	16322	29.55	ng	# 1
60) 4-Chlorophenyl-phenylether	13.35	204	43196	169.73	ng	# 1
61) 4-Nitroaniline	13.25	138	55466	505.83	ng	94
62) Azobenzene	13.51	77	53962	94.17	ng	# 7
64) 4,6-Dinitro-2-methylphenol	13.52	198	14041	14.19	ng	# 1
65) n-Nitrosodiphenylamine	13.60	169	1032783	205.21	ng	# 62
66) 4-Bromophenyl-phenylether	14.19	248	6022	3.54	ng	# 1
68) Atrazine	14.54	200	10098	6.29	ng	# 1
69) Pentachlorophenol	14.58	266	1514	8.70	ng	# 1
70) Phenanthrene	14.89	178	2212544	256.67	ng	# 95
71) Anthracene	14.97	178	149616	17.18	ng	# 34
72) Carbazole	15.25	167	19545	2.63	ng	# 1
74) Fluoranthene	16.61	202	92269	10.67	ng	74
77) Pyrene	16.89	202	251845	14.37	ng	# 89

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.50 min Scan# 517

Delta R.T. 0.02 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

Instrument :

BNA_F

ClientSampleId :

B3-12

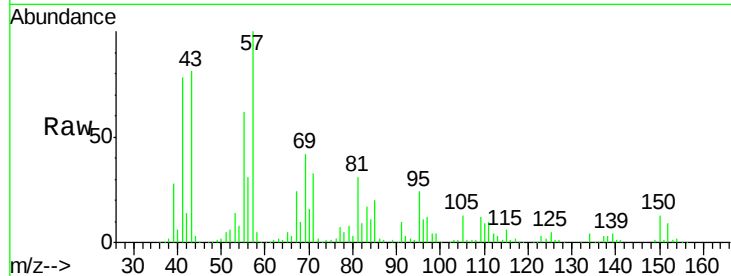
Tgt Ion:152 Resp: 70917

Ion Ratio Lower Upper

152 100

150 146.2 125.8 188.6

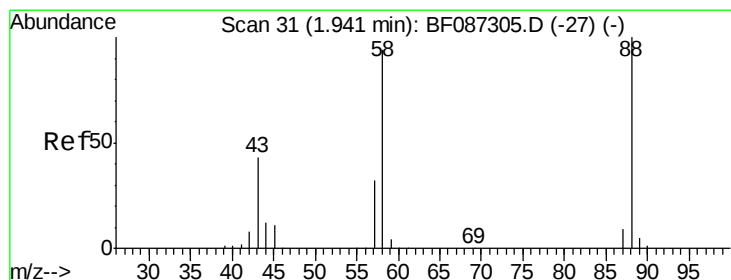
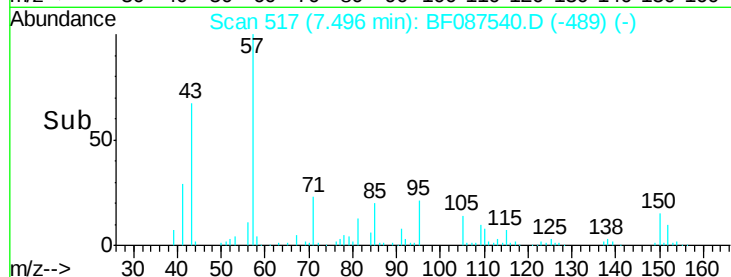
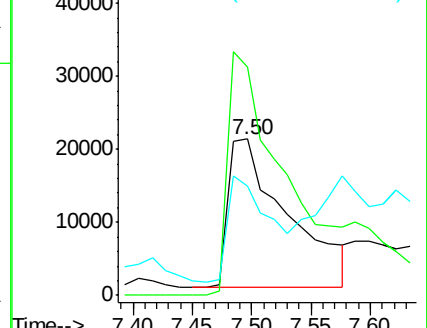
115 69.8 51.5 77.3



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



#2

1,4-Dioxane

Concen: 48.12 ng

RT: 1.63 min Scan# 4

Delta R.T. -0.13 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

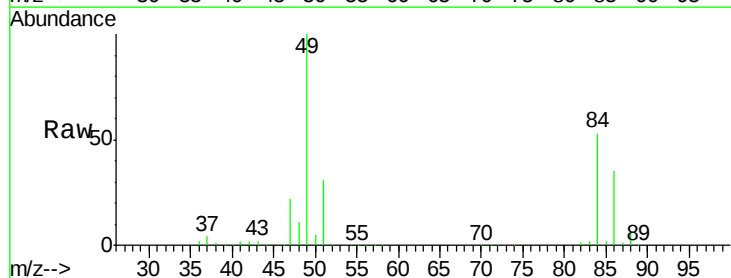
Tgt Ion: 88 Resp: 102468

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

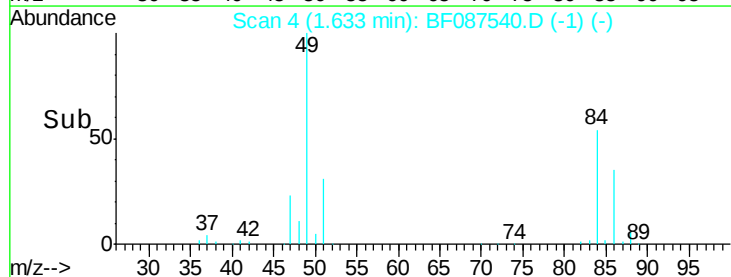
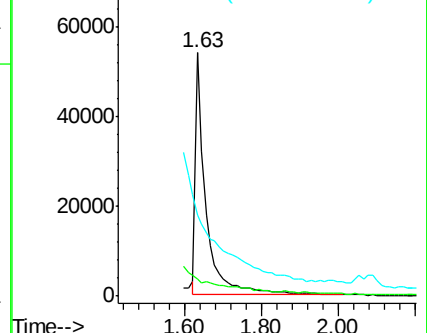
43 0.0 21.8 32.6#

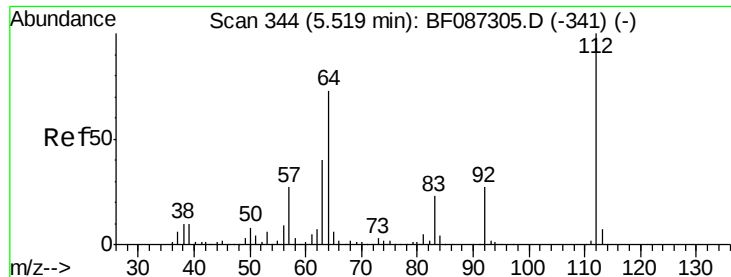


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 139.38 ng

RT: 5.37 min Scan# 331

Delta R.T. 0.00 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

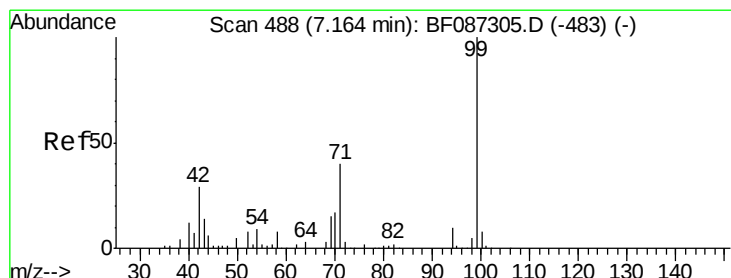
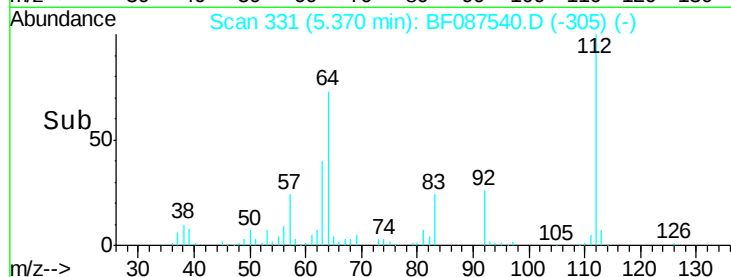
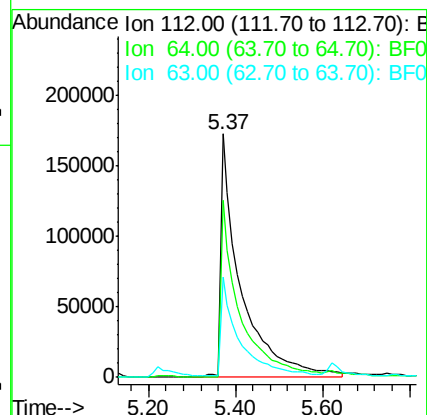
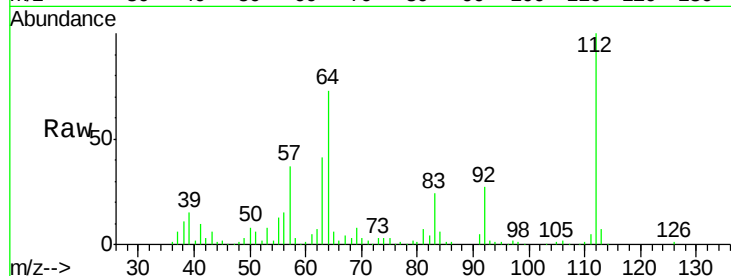
Instrument :

BNA_F

ClientSampleId :

B3-12

Tgt Ion:	112	Resp:	562510
Ion	Ratio	Lower	Upper
112	100		
64	72.6	52.1	78.1
63	41.2	25.7	38.5#



#7

Phenol-d6

Concen: 140.00 ng

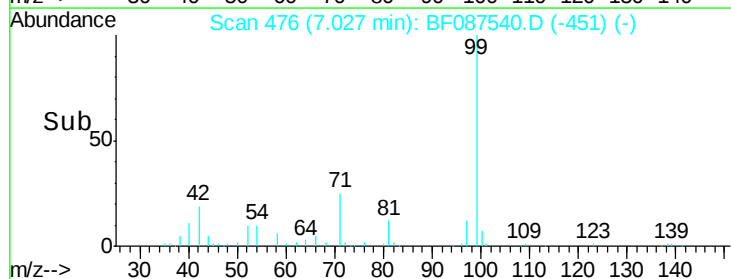
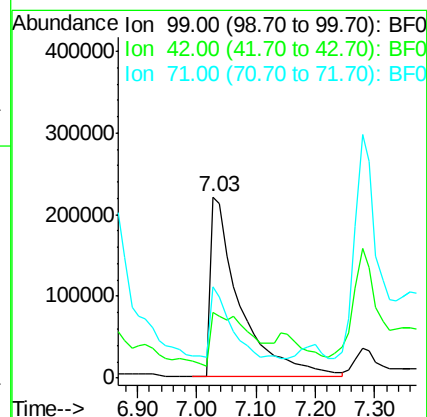
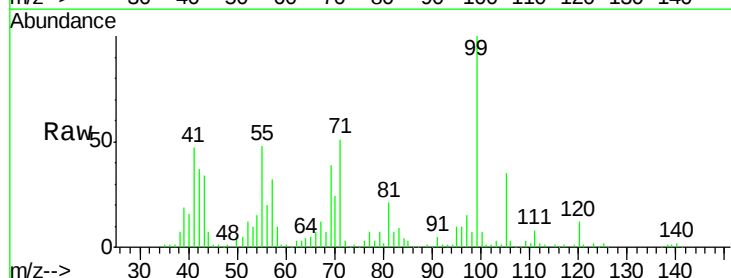
RT: 7.03 min Scan# 476

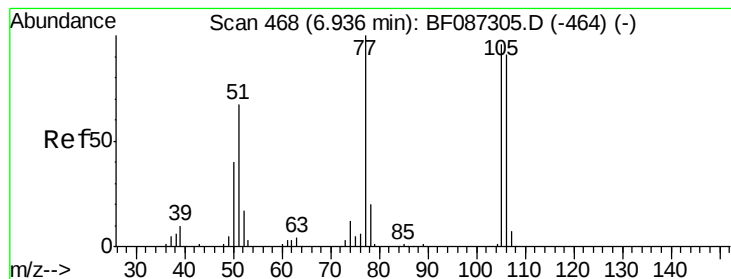
Delta R.T. -0.01 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

Tgt Ion:	99	Resp:	763491
Ion	Ratio	Lower	Upper
99	100		
42	36.5	13.6	20.4#
71	50.5	24.6	36.8#





#9

Benzaldehyde

Concen: 9.33 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

Instrument :

BNA_F

ClientSampleId :

B3-12

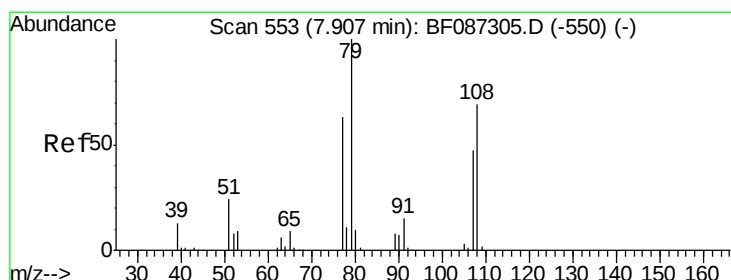
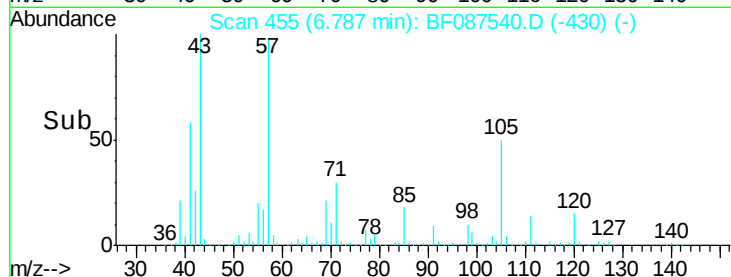
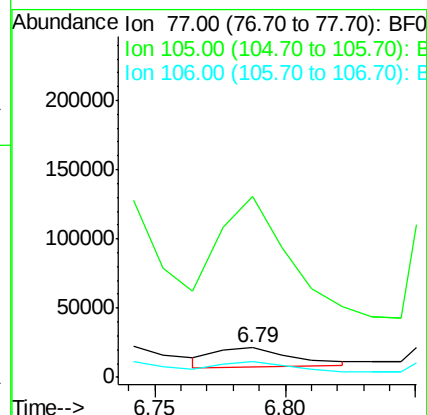
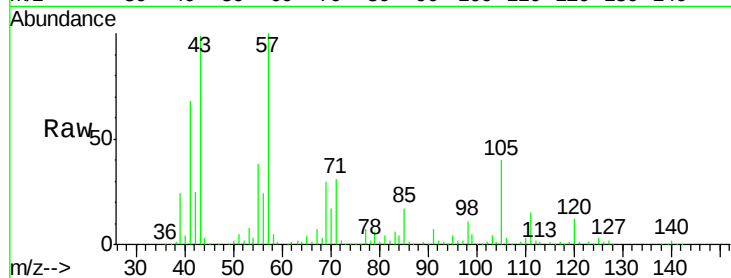
Tgt Ion: 77 Resp: 28097

Ion Ratio Lower Upper

77 100

105 610.3 72.7 112.7#

106 52.9 70.8 110.8#



#15

Benzyl Alcohol

Concen: 4.58 ng

RT: 7.72 min Scan# 537

Delta R.T. -0.06 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

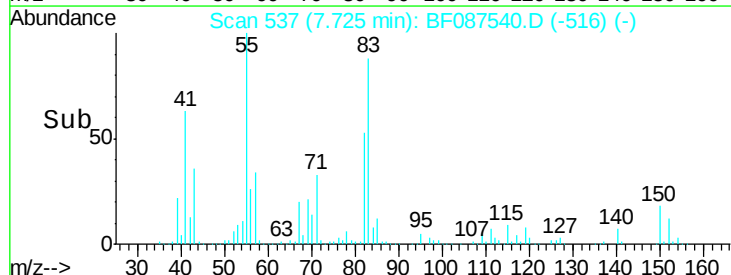
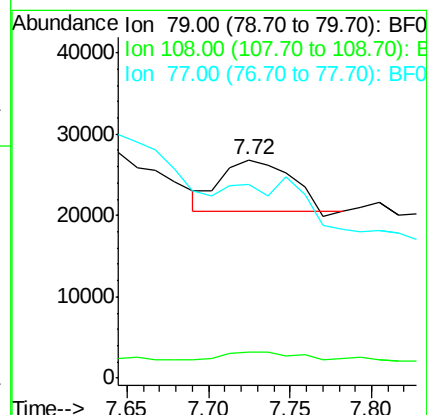
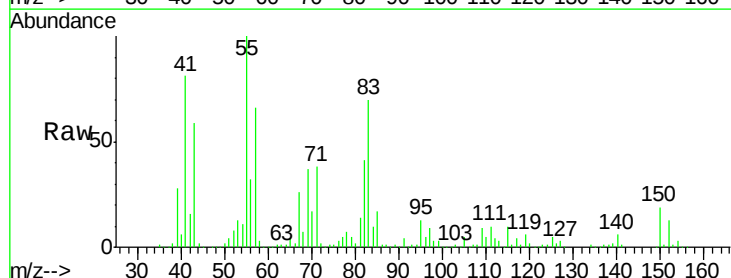
Tgt Ion: 79 Resp: 18208

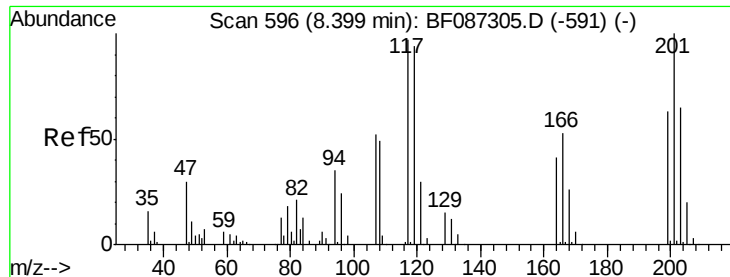
Ion Ratio Lower Upper

79 100

108 11.7 68.4 102.6#

77 88.7 50.6 76.0#

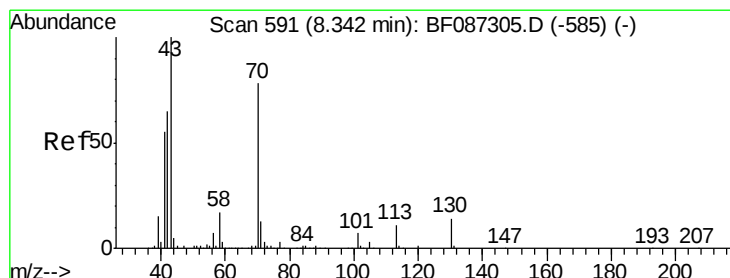
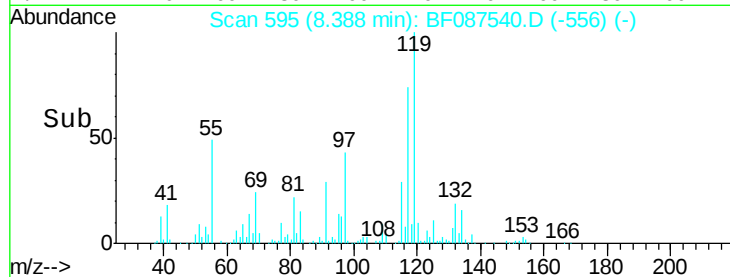
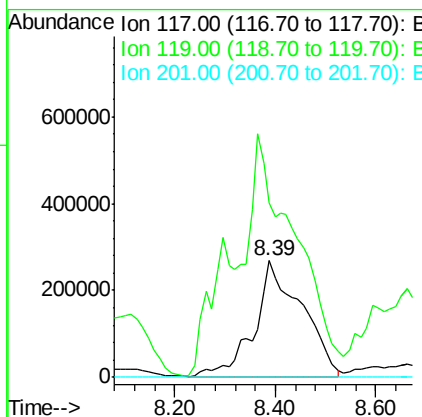
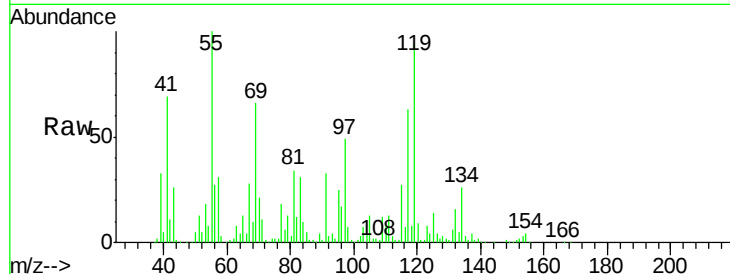




#18
Hexachloroethane
Concen: 833.59 ng
RT: 8.39 min Scan# 595
Delta R.T. 0.15 min
Lab File: BF087540.D
Acq: 30 May 2016 7:24

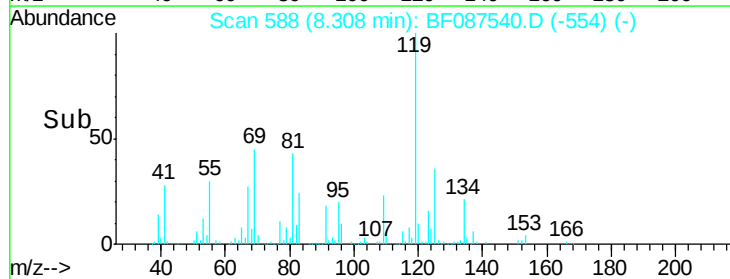
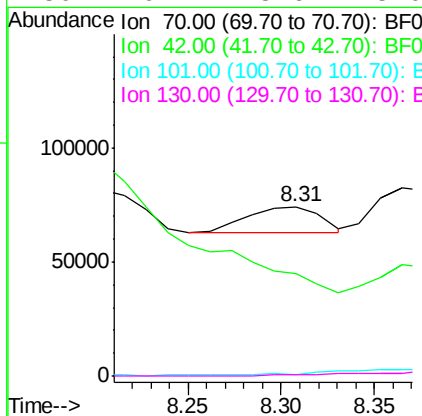
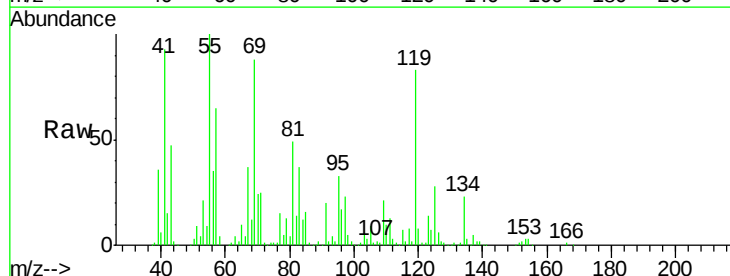
Instrument :
BNA_F
ClientSampleId :
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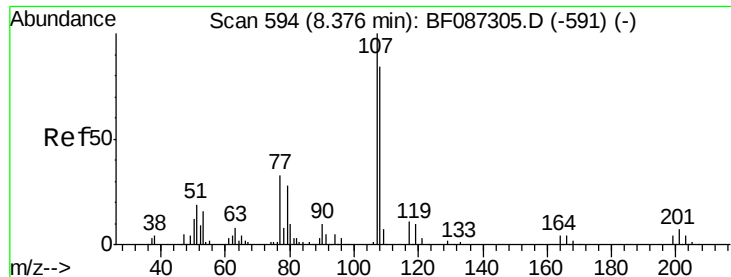
Tgt Ion: 117 Resp: 1752594
Ion Ratio Lower Upper
117 100
119 149.5 76.5 114.7#
201 0.0 63.0 94.6#



#19
n-Nitroso-di-n-propylamine
Concen: 7.30 ng
RT: 8.31 min Scan# 588
Delta R.T. 0.09 min
Lab File: BF087540.D
Acq: 30 May 2016 7:24

Tgt Ion: 70 Resp: 29700
Ion Ratio Lower Upper
70 100
42 60.9 43.1 64.7
101 1.1 8.1 12.1#
130 0.4 18.6 28.0#





#20

3+4-Methylphenols

Concen: 3.56 ng

RT: 8.36 min Scan# 593

Delta R.T. 0.10 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

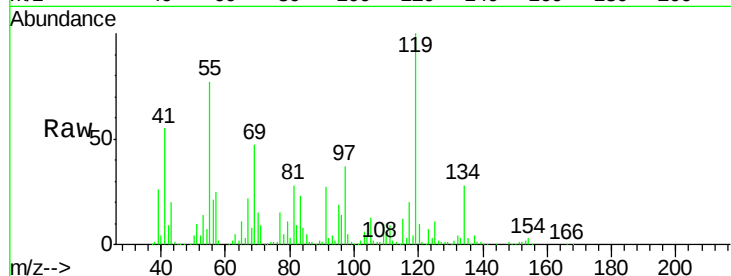
Instrument :

BNA_F

ClientSampled :

B3-12

Tgt Ion:	107	Resp:	17357
Ion Ratio	Lower	Upper	
107	100		
108	67.7	68.5	108.5#
77	1039.0	101.6	141.6#
79	730.6	7.4	47.4#

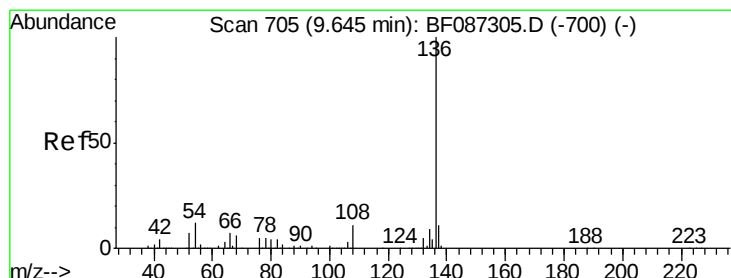
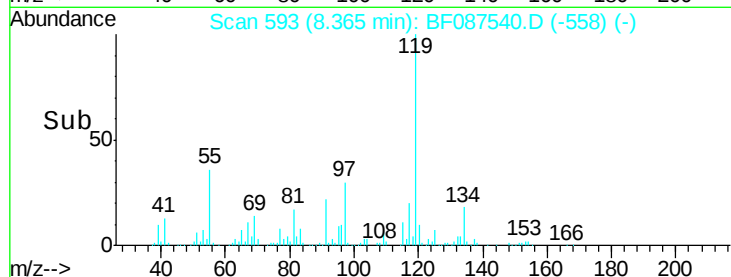
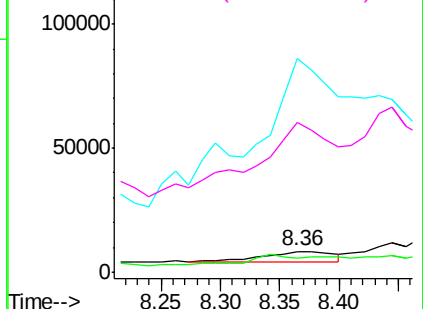


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

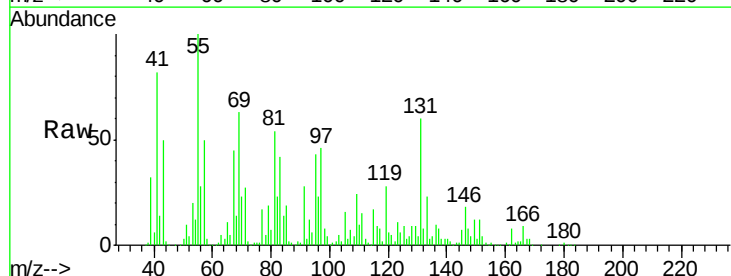
RT: 9.54 min Scan# 696

Delta R.T. 0.03 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

Tgt Ion:	136	Resp:	274815
Ion Ratio	Lower	Upper	
136	100		
137	77.2	8.8	13.2#
54	114.1	5.0	7.4#
68	138.9	4.4	6.6#

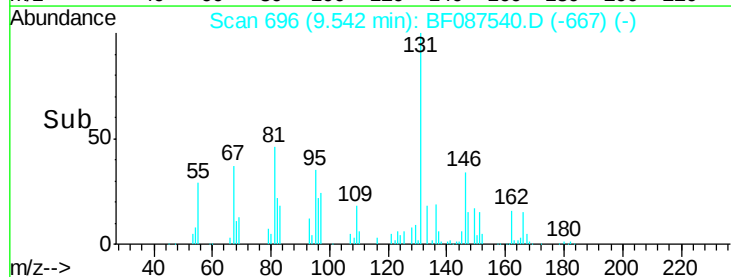
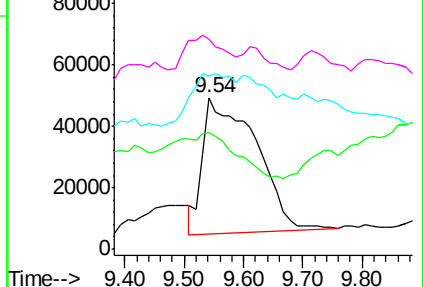


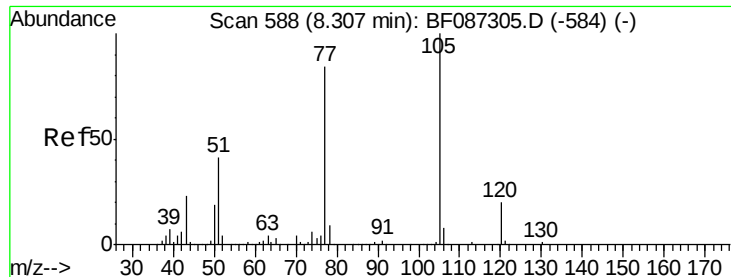
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 139.42 ng

RT: 8.12 min Scan# 572

Delta R.T. -0.06 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

Instrument :

BNA_F

ClientSampleId :

B3-12

Tgt Ion:105 Resp: 915332

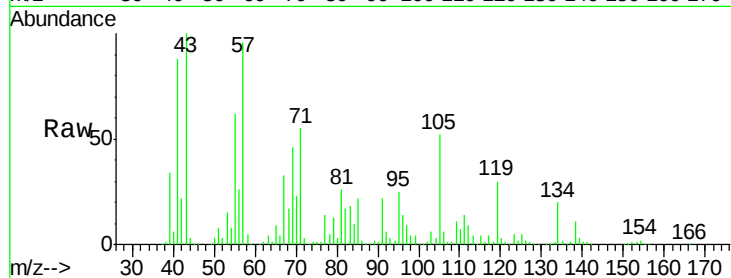
Ion Ratio Lower Upper

105 100

71 105.0 4.8 7.2#

51 15.8 32.6 49.0#

120 5.8 16.5 24.7#



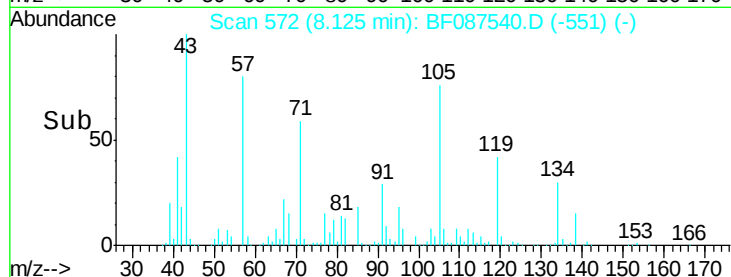
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time--> 8.00 8.10 8.20 8.30



Abundance

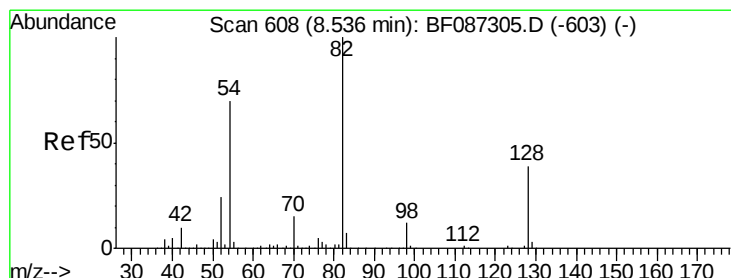
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time--> 8.00 8.10 8.20 8.30



#23

Nitrobenzene-d5

Concen: 132.18 ng

RT: 8.41 min Scan# 597

Delta R.T. 0.00 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

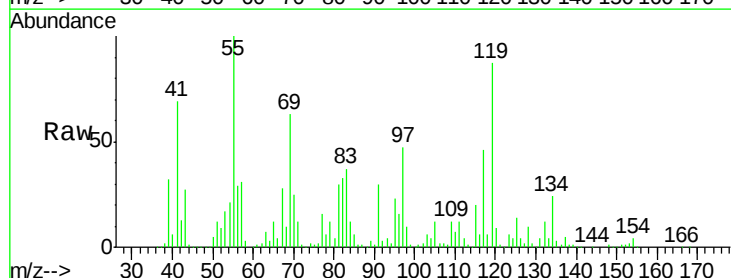
Tgt Ion: 82 Resp: 720743

Ion Ratio Lower Upper

82 100

128 29.3 40.6 61.0#

54 64.0 38.1 57.1#

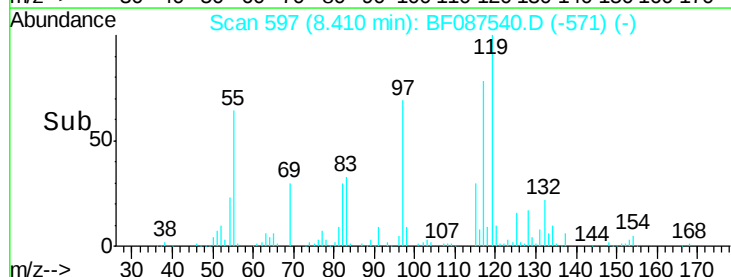


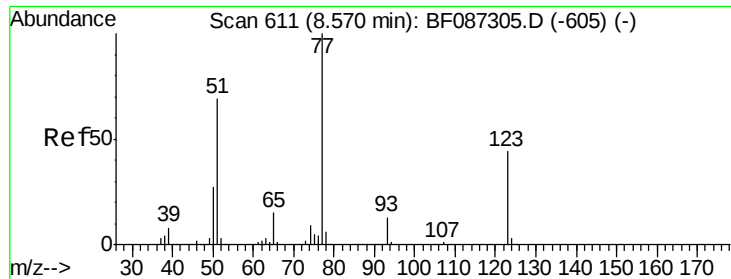
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time--> 8.30 8.40 8.50 8.60

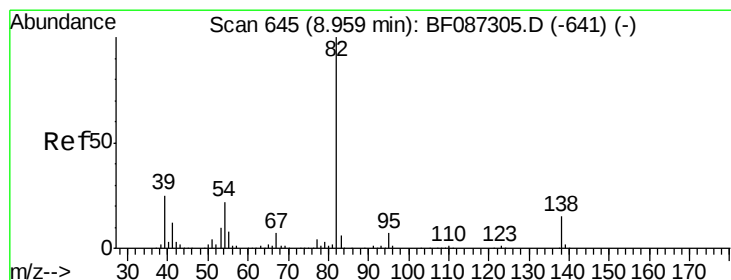
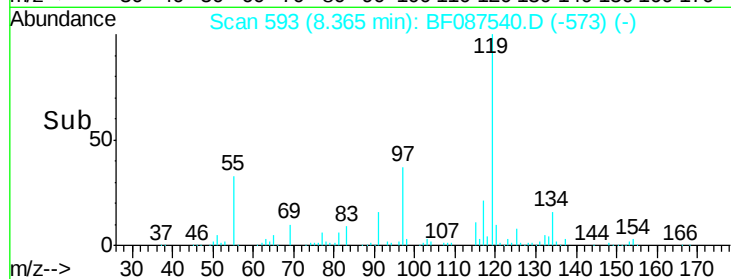
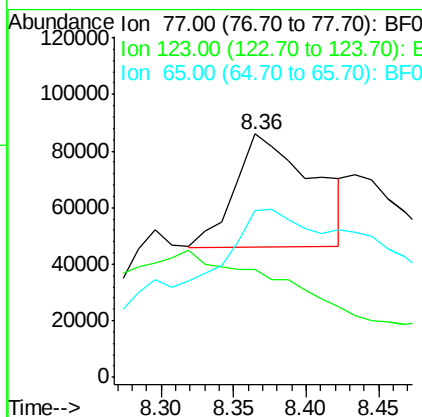
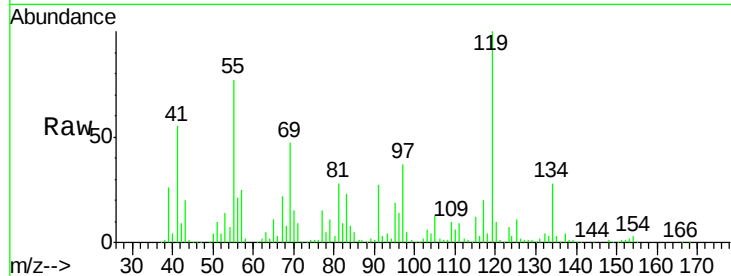




#24
 Nitrobenzene
 Concen: 25.99 ng
 RT: 8.36 min Scan# 593
 Delta R.T. -0.07 min
 Lab File: BF087540.D
 Acq: 30 May 2016 7:24

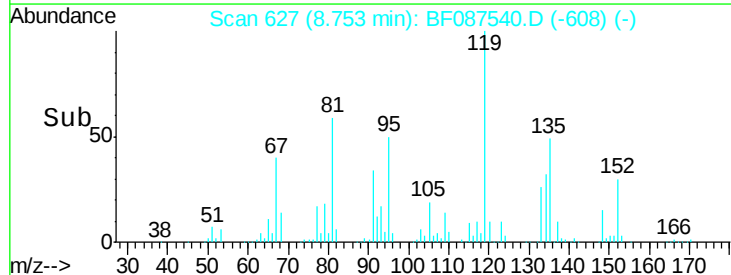
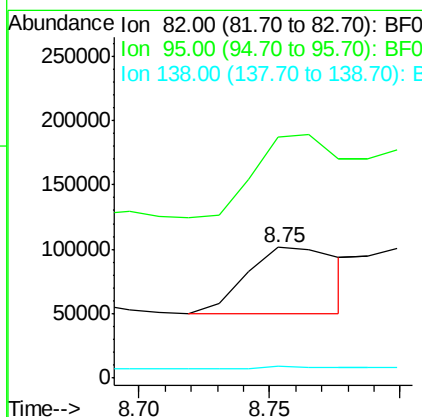
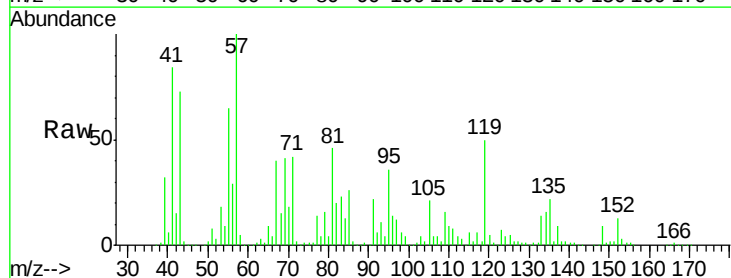
Instrument :
 BNA_F
 ClientSampled :
 B3-12

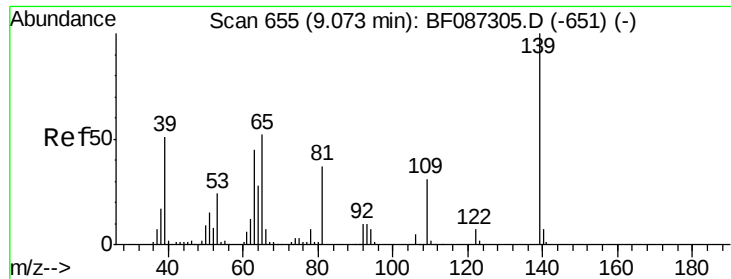
Tgt Ion: 77 Resp: 149600
 Ion Ratio Lower Upper
 77 100
 123 44.5 33.0 49.4
 65 68.7 10.8 16.2#



#25
 Isophorone
 Concen: 13.03 ng
 RT: 8.75 min Scan# 627
 Delta R.T. -0.08 min
 Lab File: BF087540.D
 Acq: 30 May 2016 7:24

Tgt Ion: 82 Resp: 127411
 Ion Ratio Lower Upper
 82 100
 95 185.0 5.1 7.7#
 138 8.7 12.4 18.6#





#26

2-Nitrophenol

Concen: 14.08 ng

RT: 8.88 min Scan# 638

Delta R.T. -0.06 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

Instrument :

BNA_F

ClientSampleId :

B3-12

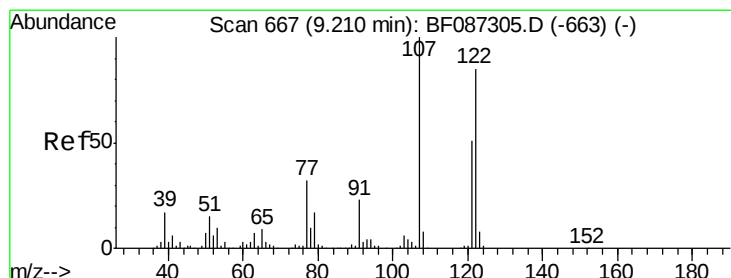
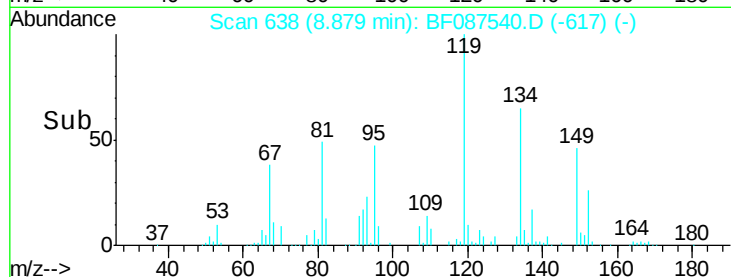
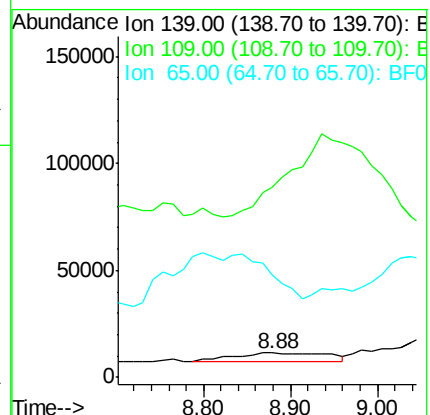
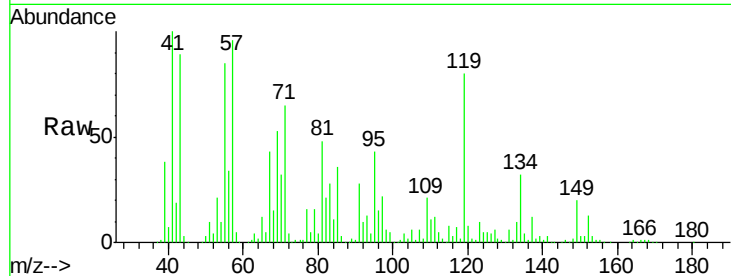
Tgt Ion:139 Resp: 33130

Ion Ratio Lower Upper

139 100

109 782.2 19.5 29.3#

65 421.9 37.5 56.3#



#27

2,4-Dimethylphenol

Concen: 20.95 ng

RT: 9.02 min Scan# 650

Delta R.T. -0.07 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

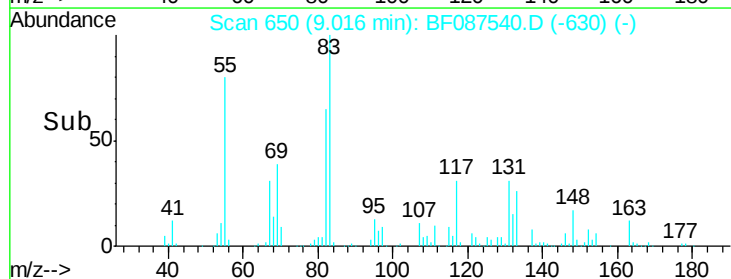
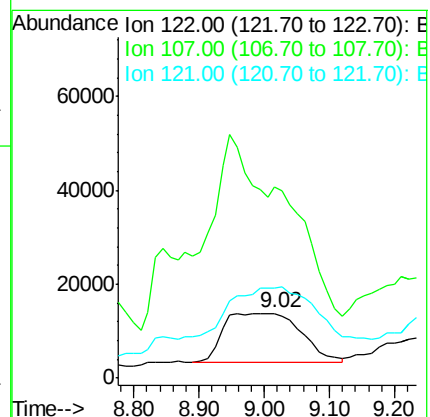
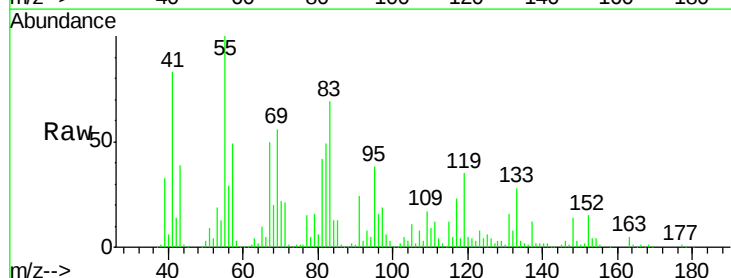
Tgt Ion:122 Resp: 85567

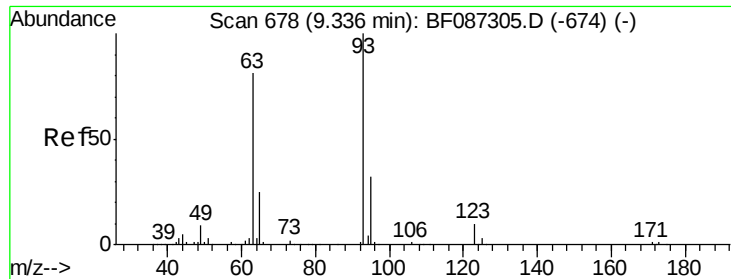
Ion Ratio Lower Upper

122 100

107 295.4 82.0 123.0#

121 140.0 46.1 69.1#

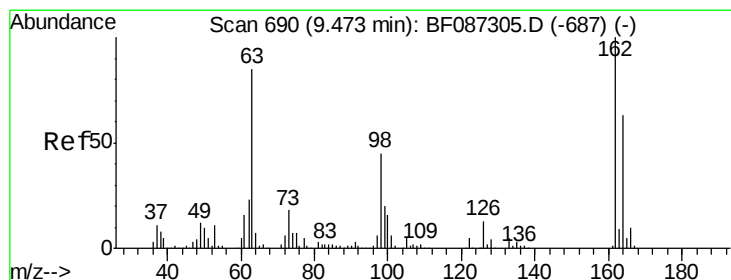
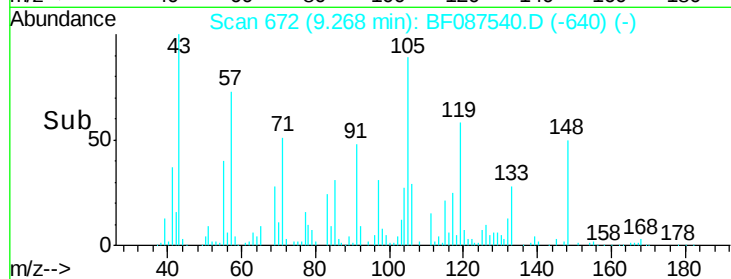
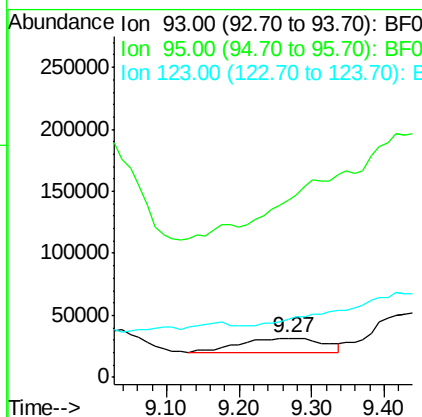
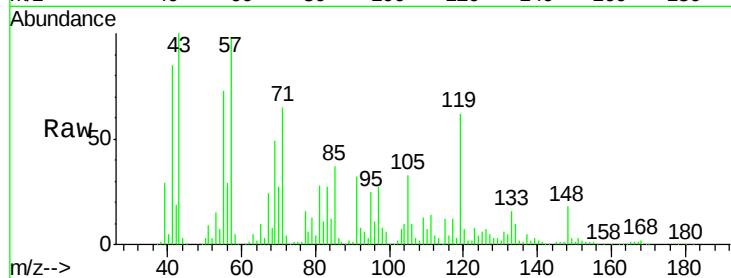




#28
 bis(2-Chloroethoxy)methane
 Concen: 16.35 ng
 RT: 9.27 min Scan# 672
 Delta R.T. 0.07 min
 Lab File: BF087540.D
 Acq: 30 May 2016 7:24

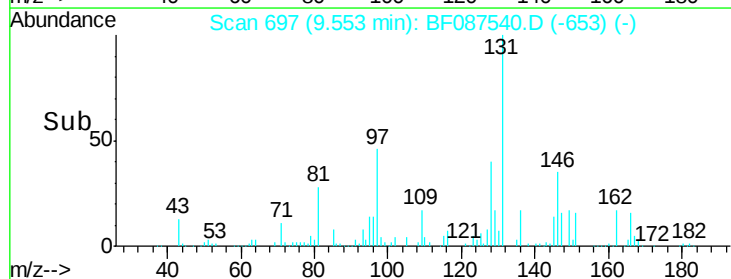
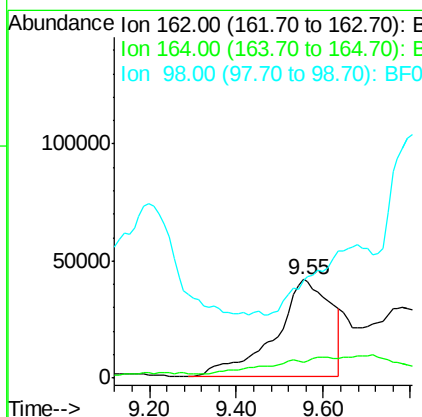
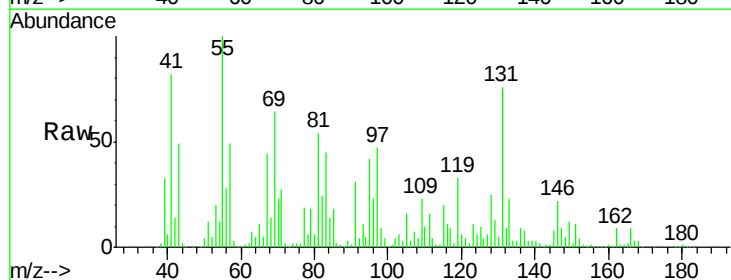
Instrument :
 BNA_F
 ClientSampleId :
 B3-12

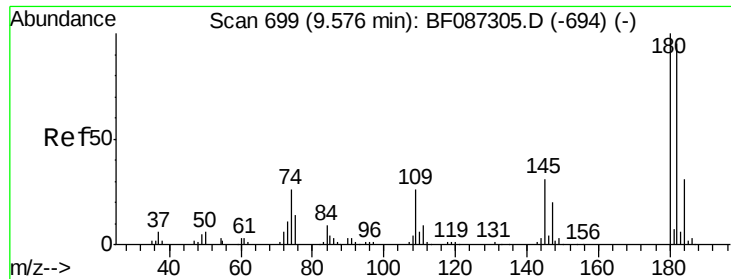
Tgt Ion: 93 Resp: 90034
 Ion Ratio Lower Upper
 93 100
 95 451.9 26.0 39.0#
 123 147.1 9.5 14.3#



#29
 2,4-Dichlorophenol
 Concen: 99.77 ng
 RT: 9.55 min Scan# 697
 Delta R.T. 0.21 min
 Lab File: BF087540.D
 Acq: 30 May 2016 7:24

Tgt Ion: 162 Resp: 367263
 Ion Ratio Lower Upper
 162 100
 164 16.2 42.2 82.2#
 98 99.2 19.0 59.0#

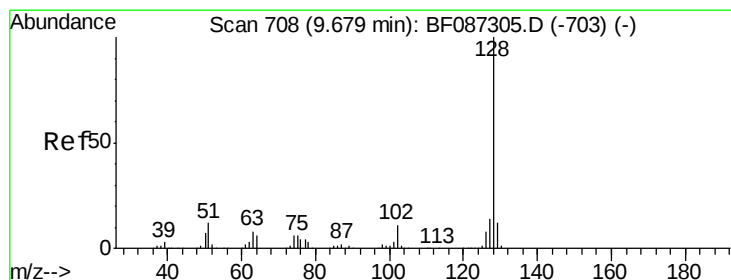
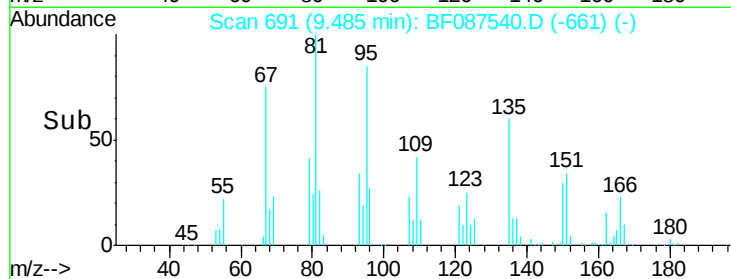
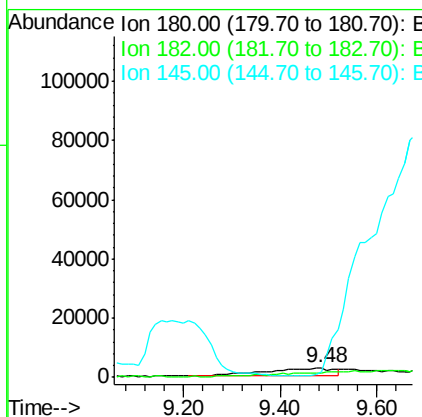
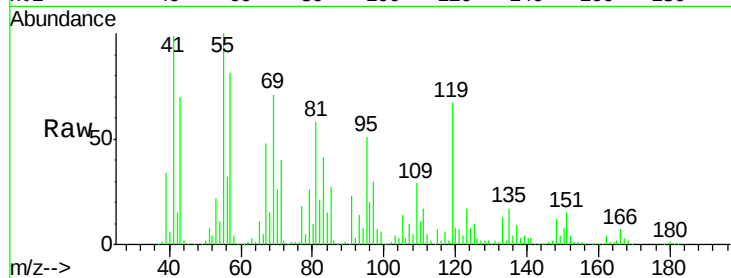




#30
 1,2,4-Trichlorobenzene
 Concen: 6.06 ng
 RT: 9.48 min Scan# 691
 Delta R.T. 0.05 min
 Lab File: BF087540.D
 Acq: 30 May 2016 7:24

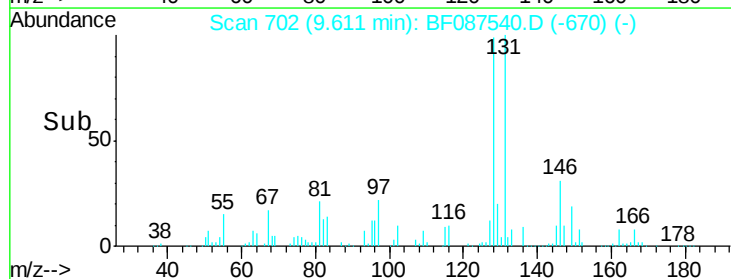
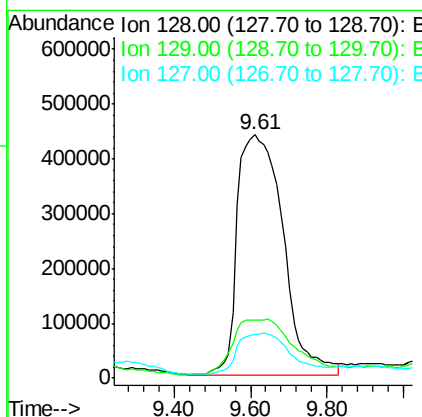
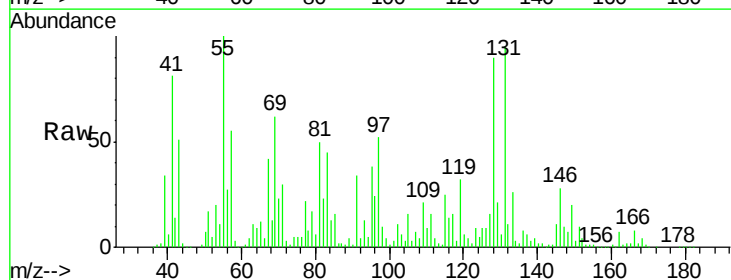
Instrument :
 BNA_F
 ClientSampled :
 B3-12

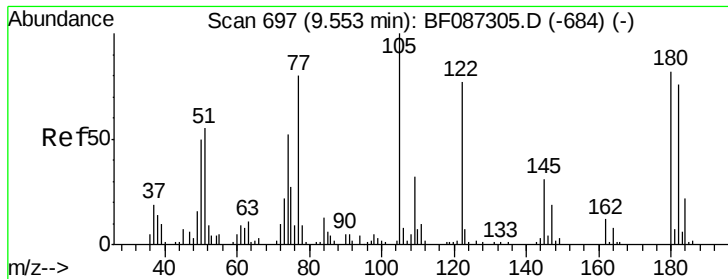
Tgt Ion:180 Resp: 25541
 Ion Ratio Lower Upper
 180 100
 182 50.2 78.0 117.0#
 145 55.4 24.2 36.2#



#31
 Naphthalene
 Concen: 262.85 ng
 RT: 9.61 min Scan# 702
 Delta R.T. 0.07 min
 Lab File: BF087540.D
 Acq: 30 May 2016 7:24

Tgt Ion:128 Resp: 3619670
 Ion Ratio Lower Upper
 128 100
 129 23.6 8.6 13.0#
 127 18.0 10.8 16.2#

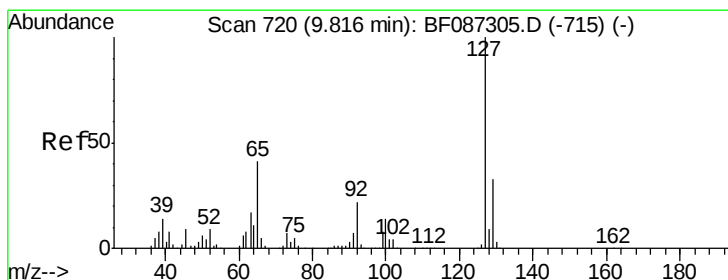
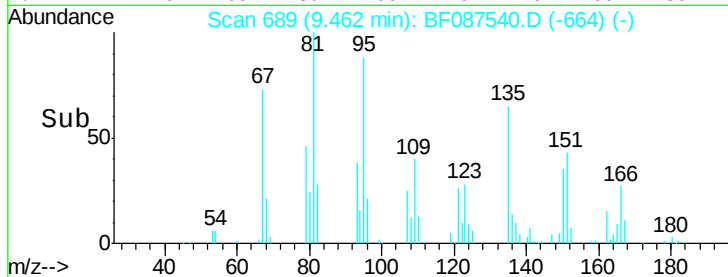
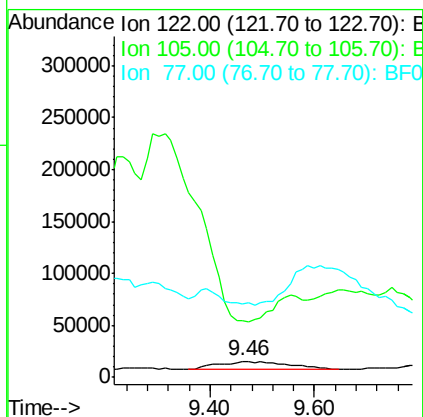
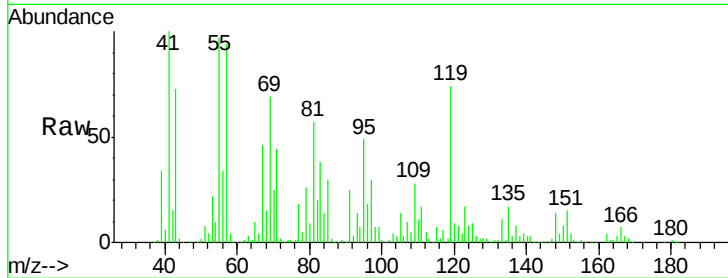




#32
Benzoic acid
Concen: 38.36 ng
RT: 9.46 min Scan# 689
Delta R.T. -0.01 min
Lab File: BF087540.D
Acq: 30 May 2016 7:24

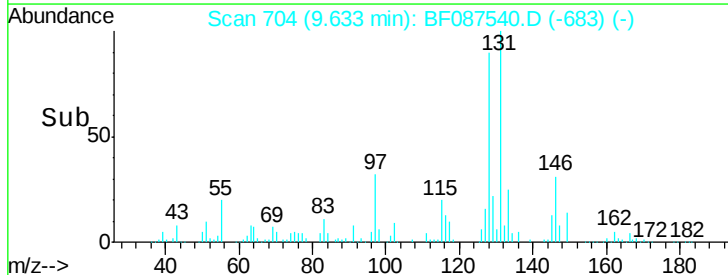
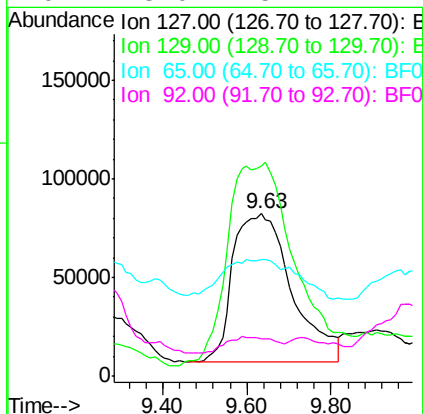
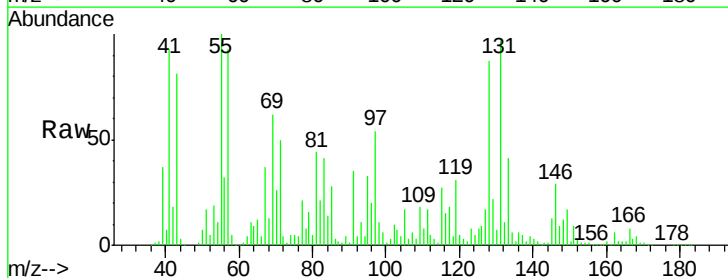
Instrument :
BNA_F
ClientSampleId :
B3-12

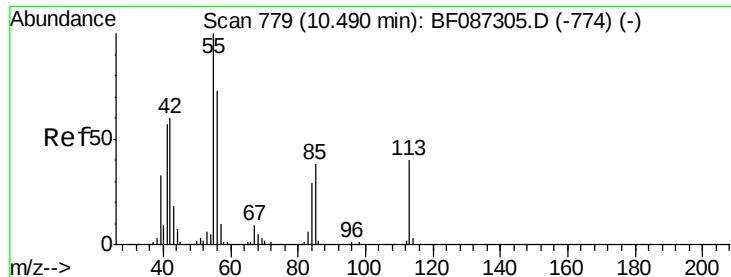
Tgt Ion:122 Resp: 77881
Ion Ratio Lower Upper
122 100
105 352.8 92.6 132.6#
77 460.5 60.0 100.0#



#33
4-Chloroaniline
Concen: 143.11 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.06 min
Lab File: BF087540.D
Acq: 30 May 2016 7:24

Tgt Ion:127 Resp: 725870
Ion Ratio Lower Upper
127 100
129 129.8 26.2 39.4#
65 72.1 23.0 34.4#
92 23.0 15.1 22.7#

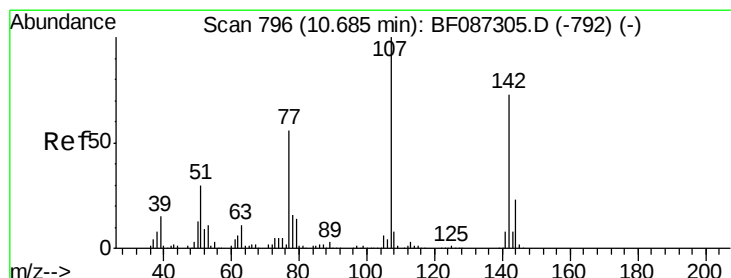
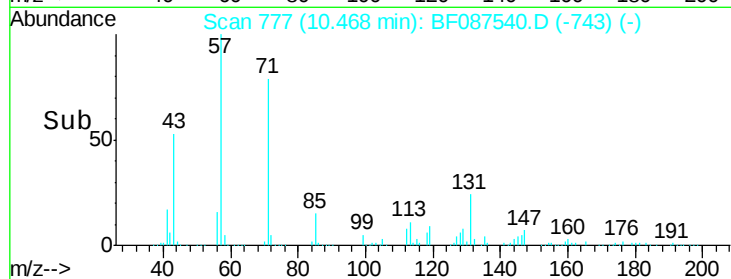
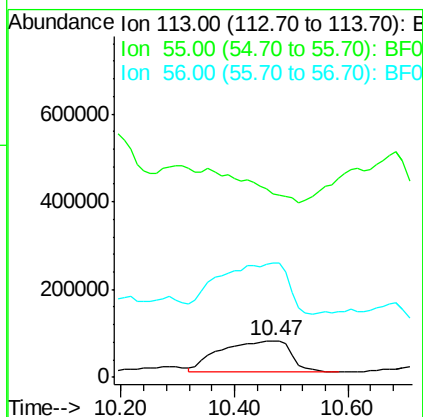
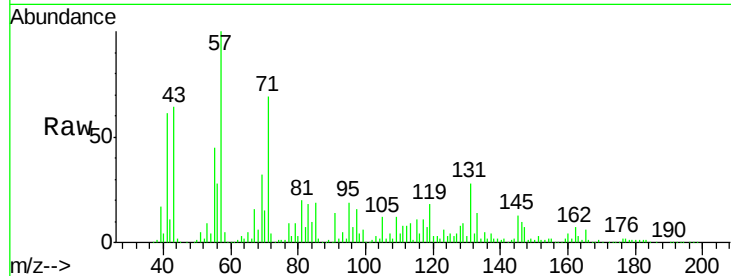




#35
 Caprolactam
 Concen: 578.35 ng
 RT: 10.47 min Scan# 777
 Delta R.T. 0.09 min
 Lab File: BF087540.D
 Acq: 30 May 2016 7:24

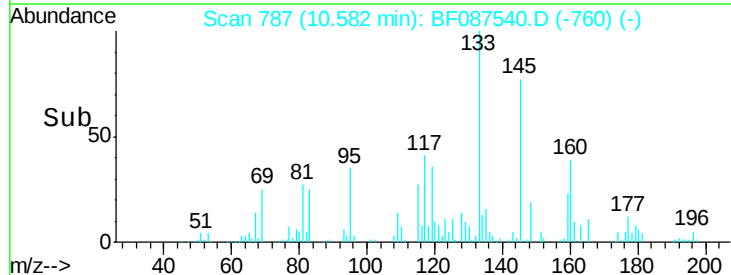
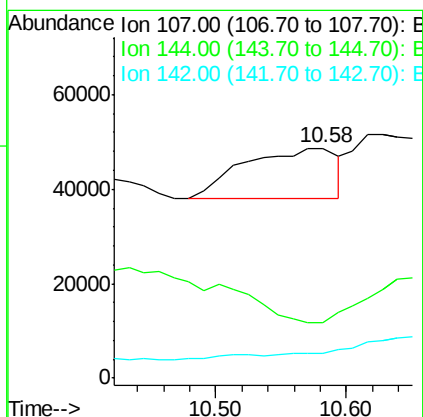
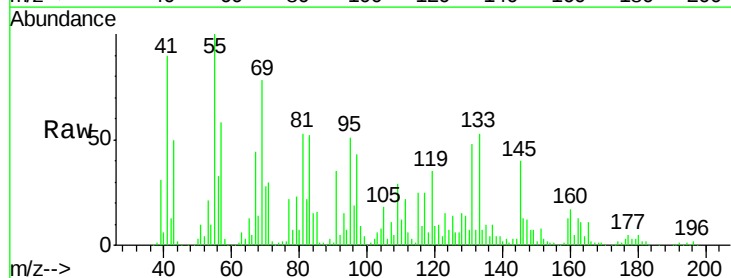
Instrument :
 BNA_F
 ClientSampleId :
 B3-12

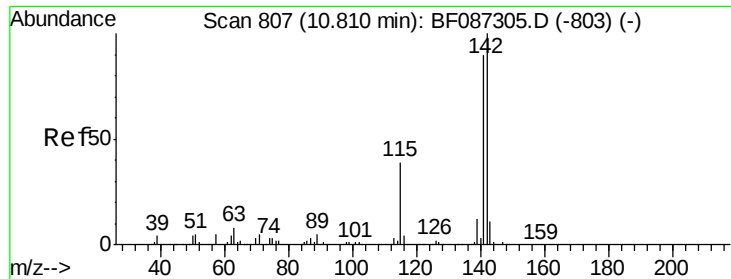
Tgt Ion:113 Resp: 621329
 Ion Ratio Lower Upper
 113 100
 55 501.3 162.0 202.0#
 56 313.0 115.3 155.3#



#36
 4-Chloro-3-methylphenol
 Concen: 12.56 ng
 RT: 10.58 min Scan# 787
 Delta R.T. 0.01 min
 Lab File: BF087540.D
 Acq: 30 May 2016 7:24

Tgt Ion:107 Resp: 52274
 Ion Ratio Lower Upper
 107 100
 144 24.1 20.7 31.1
 142 10.9 63.2 94.8#

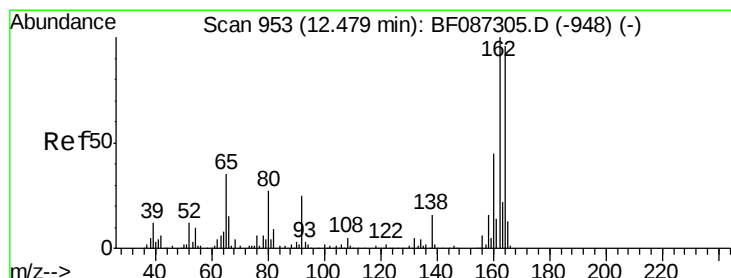
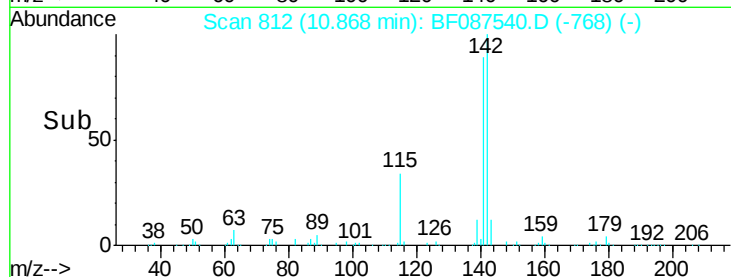
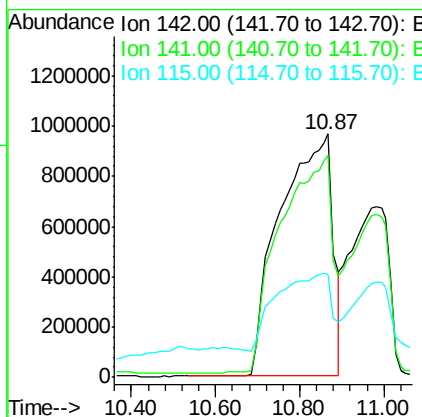
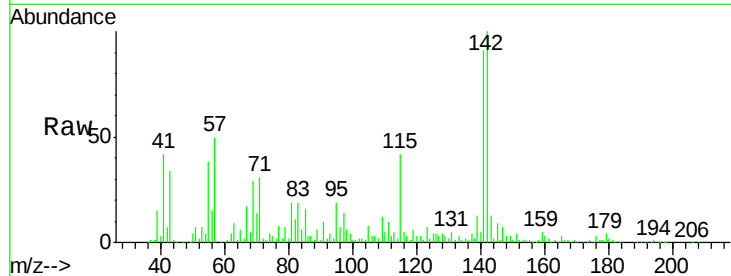




#37
 2-Methylnaphthalene
 Concen: 966.36 ng
 RT: 10.87 min Scan# 812
 Delta R.T. 0.21 min
 Lab File: BF087540.D
 Acq: 30 May 2016 7:24

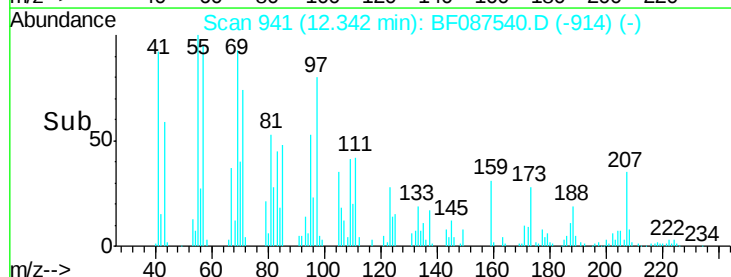
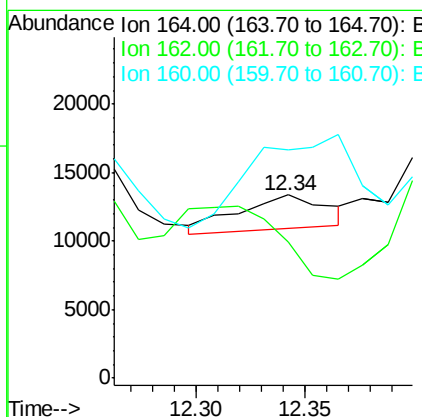
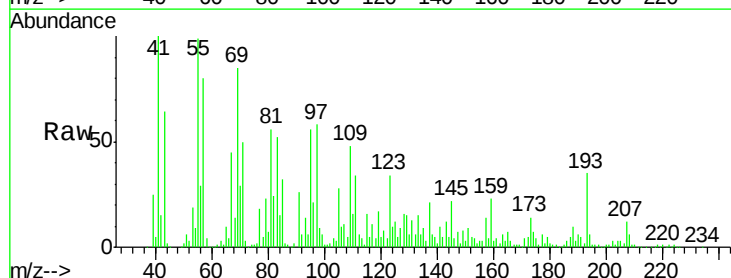
Instrument :
 BNA_F
 ClientSampleId :
 B3-12

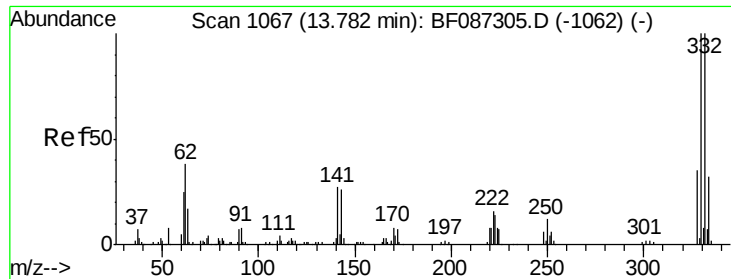
Tgt Ion:142 Resp: 8313487
 Ion Ratio Lower Upper
 142 100
 141 90.9 71.0 106.6
 115 42.0 26.6 39.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.34 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: BF087540.D
 Acq: 30 May 2016 7:24

Tgt Ion:164 Resp: 7092
 Ion Ratio Lower Upper
 164 100
 162 74.4 82.8 124.2#
 160 124.7 36.9 55.3#

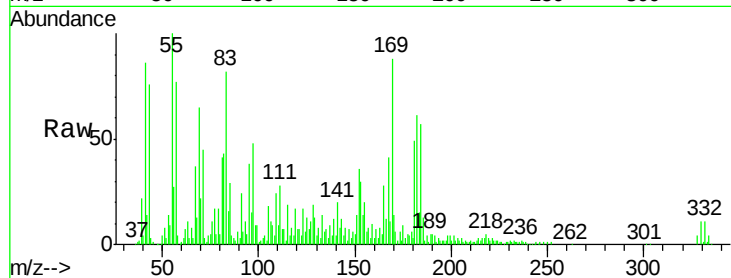




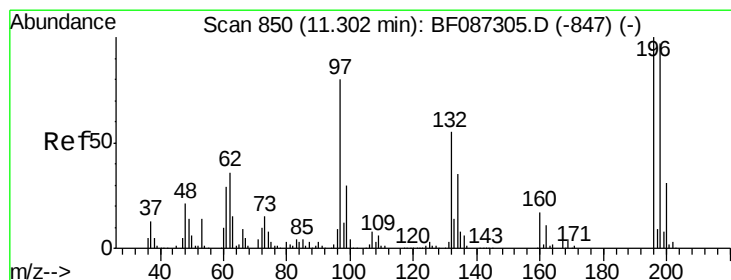
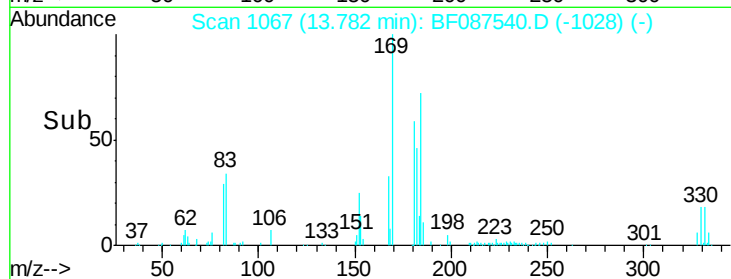
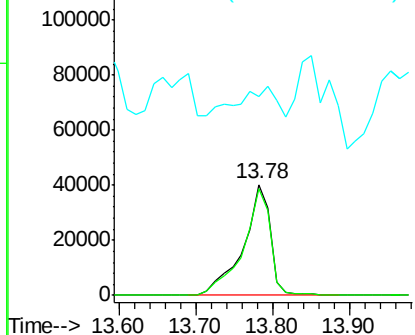
#41
 2,4,6-Tribromophenol
 Concen: 1444.31 ng
 RT: 13.78 min Scan# 1067
 Delta R.T. 0.15 min
 Lab File: BF087540.D
 Acq: 30 May 2016 7:24

Instrument :
 BNA_F
 ClientSampled :
 B3-12

Tgt Ion:330 Resp: 98433
 Ion Ratio Lower Upper
 330 100
 332 97.2 79.0 118.4
 141 72.0 31.2 46.8#

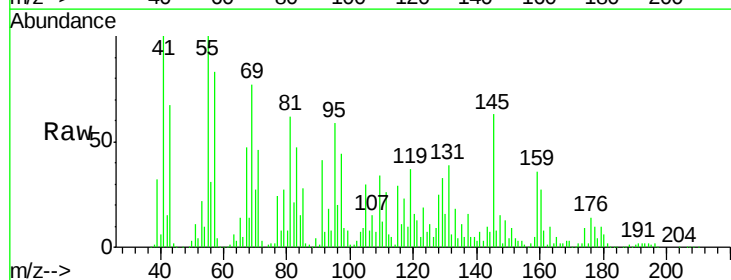


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

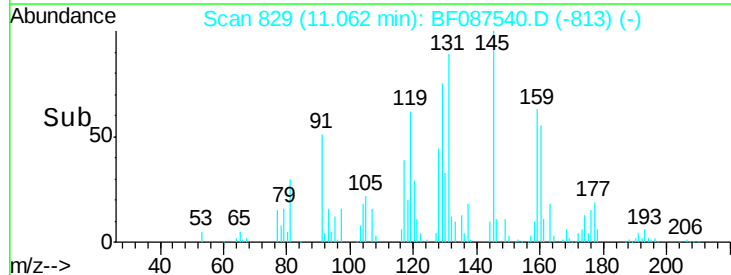
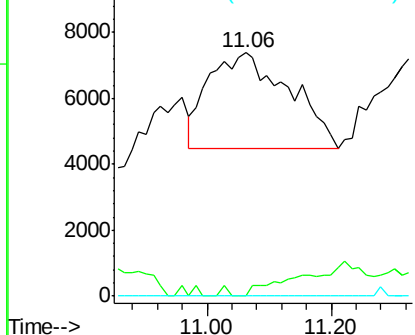


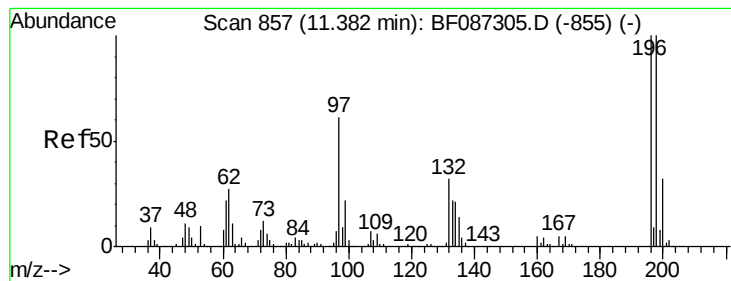
#42
 2,4,6-Trichlorophenol
 Concen: 200.85 ng
 RT: 11.06 min Scan# 829
 Delta R.T. -0.11 min
 Lab File: BF087540.D
 Acq: 30 May 2016 7:24

Tgt Ion:196 Resp: 26318
 Ion Ratio Lower Upper
 196 100
 198 0.0 74.7 112.1#
 200 0.0 23.8 35.6#



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





#43

2,4,5-Trichlorophenol

Concen: 173.11 ng

RT: 11.33 min Scan# 852

Delta R.T. 0.06 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

Instrument :

BNA_F

ClientSampleId :

B3-12

Tgt Ion:196 Resp: 23100

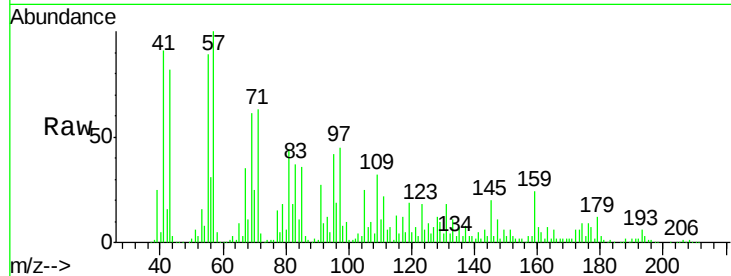
Ion Ratio Lower Upper

196 100

198 9.6 77.5 116.3#

97 3406.5 34.8 52.2#

132 286.0 23.0 34.4#

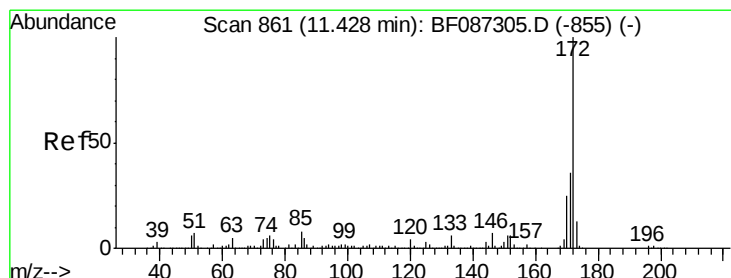
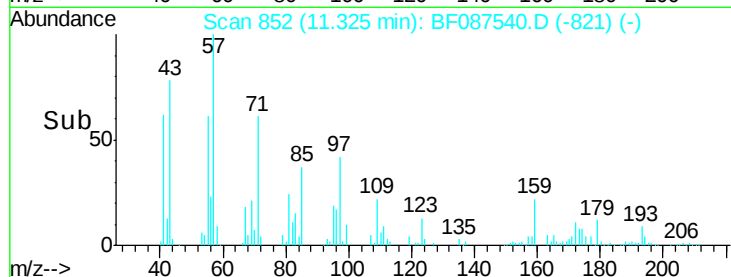
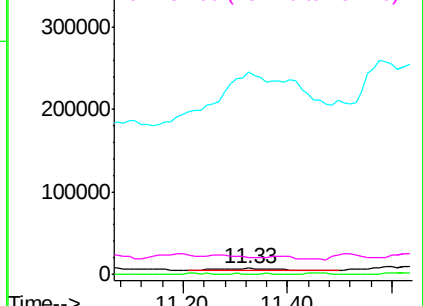


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44

2-Fluorobiphenyl

Concen: 986.81 ng

RT: 11.43 min Scan# 861

Delta R.T. 0.14 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

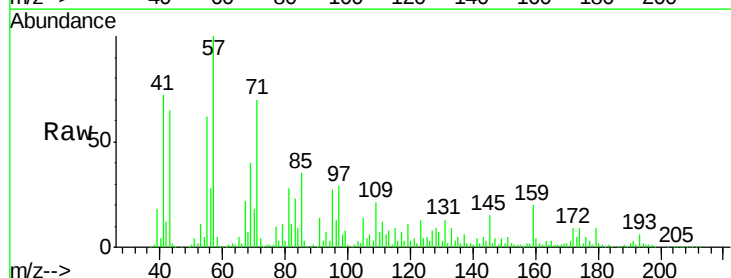
Tgt Ion:172 Resp: 496420

Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.6

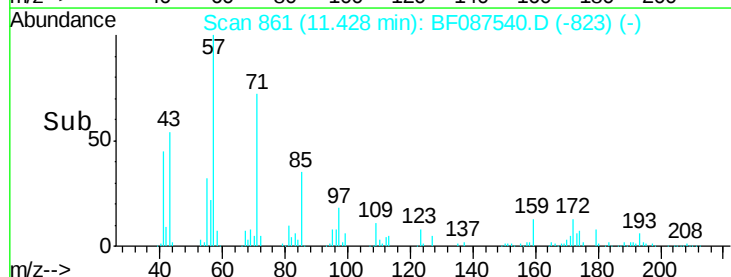
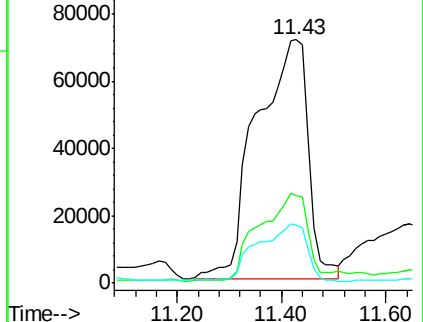
170 23.7 19.8 29.8

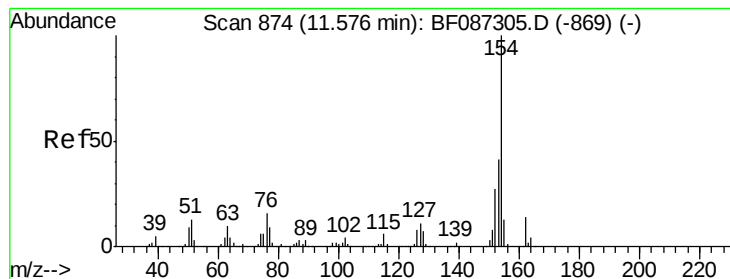


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 1494.69 ng

RT: 11.60 min Scan# 876

Delta R.T. 0.16 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

Instrument :

BNA_F

ClientSampleId :

B3-12

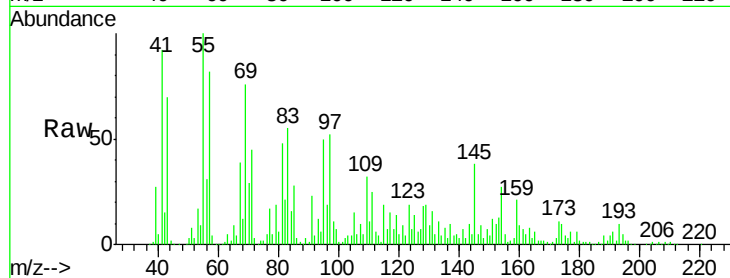
Tgt Ion:154 Resp: 892487

Ion Ratio Lower Upper

154 100

153 47.0 20.3 60.3

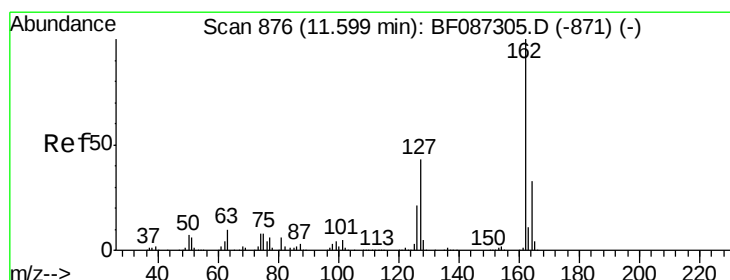
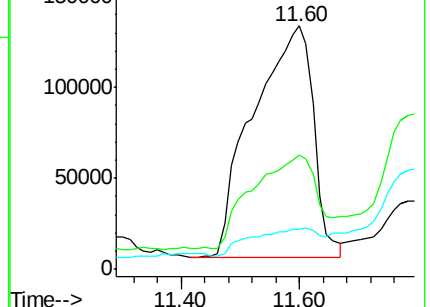
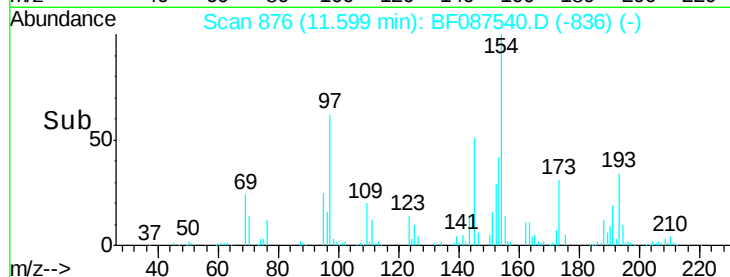
76 16.7 0.0 30.2



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: 42.37 ng

RT: 11.52 min Scan# 869

Delta R.T. 0.07 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

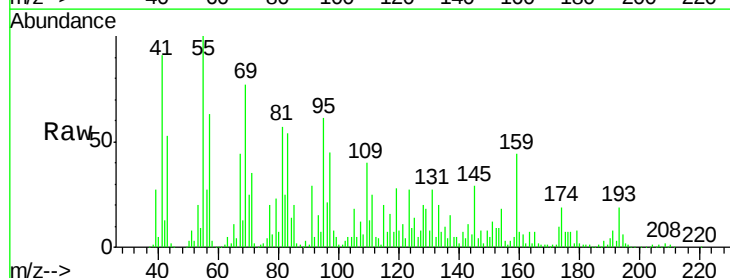
Tgt Ion:162 Resp: 19355

Ion Ratio Lower Upper

162 100

127 409.2 31.8 47.6#

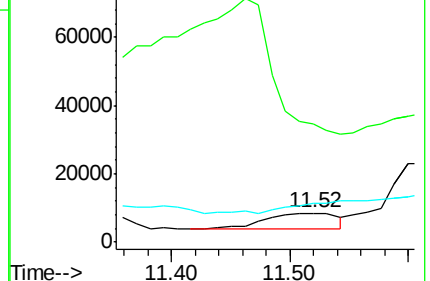
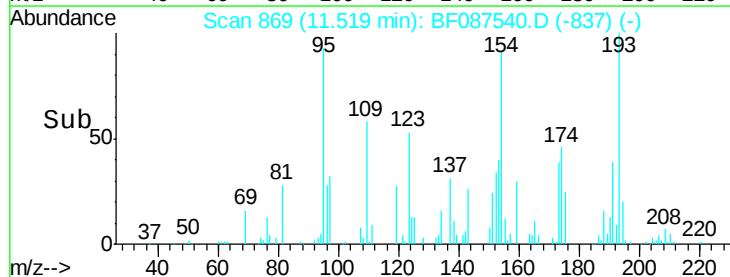
164 133.7 27.0 40.6#

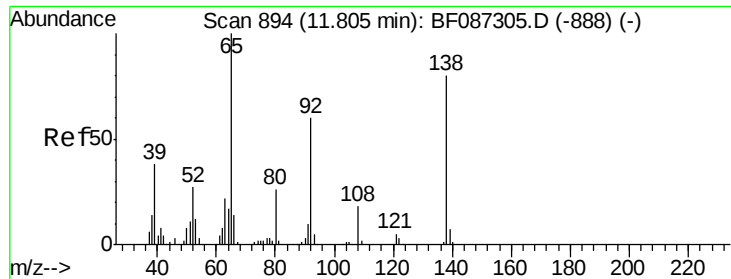


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

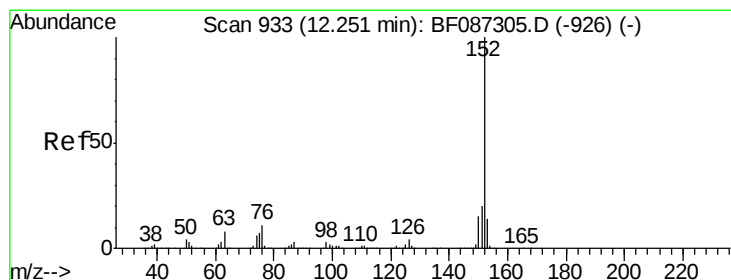
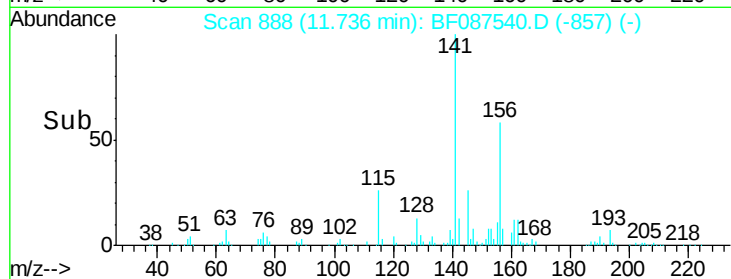
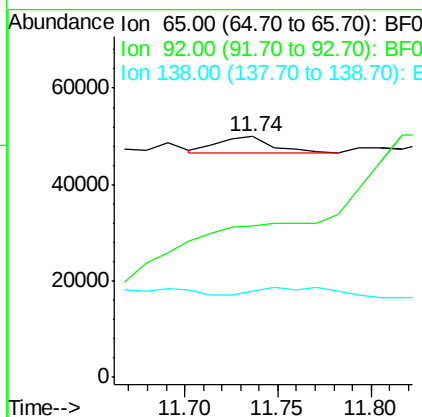
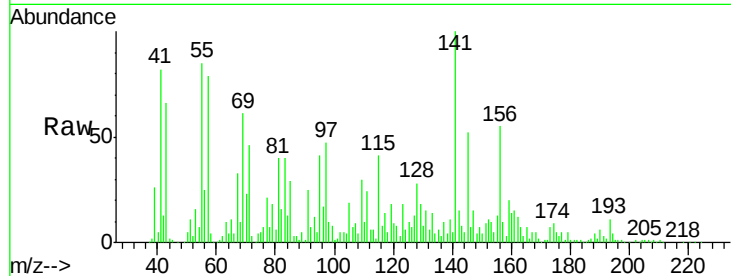




#47
2-Nitroaniline
Concen: 42.23 ng
RT: 11.74 min Scan# 888
Delta R.T. 0.06 min
Lab File: BF087540.D
Acq: 30 May 2016 7:24

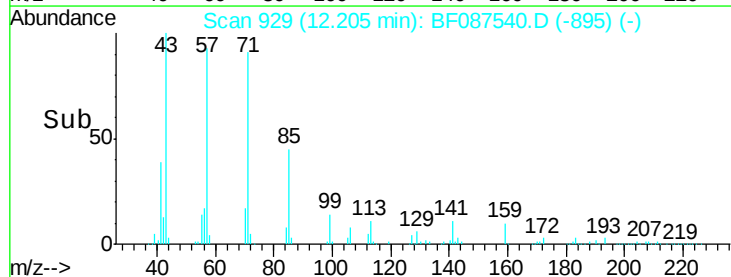
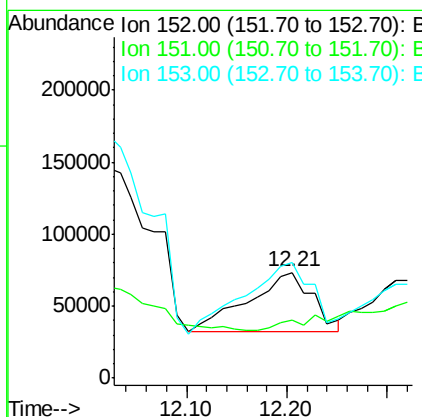
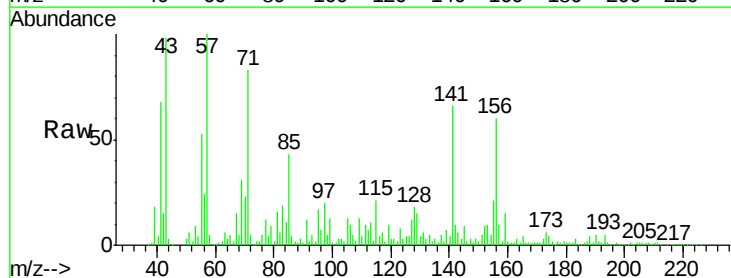
Instrument :
BNA_F
ClientSampleId :
B3-12

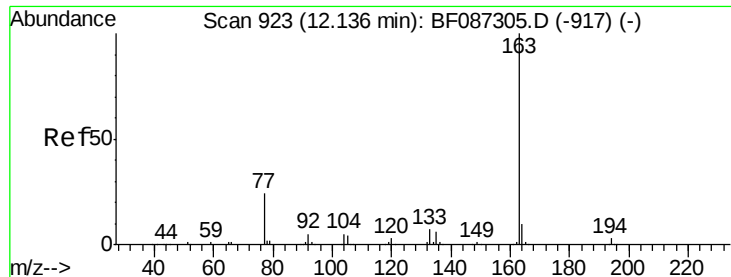
Tgt Ion: 65 Resp: 6950
Ion Ratio Lower Upper
65 100
92 62.9 57.4 86.2
138 36.0 90.1 135.1#



#48
Acenaphthylene
Concen: 250.38 ng
RT: 12.21 min Scan# 929
Delta R.T. 0.09 min
Lab File: BF087540.D
Acq: 30 May 2016 7:24

Tgt Ion: 152 Resp: 181081
Ion Ratio Lower Upper
152 100
151 55.3 16.8 25.2#
153 109.7 10.9 16.3#





#49

Dimethylphthalate

Concen: 44.37 ng

RT: 11.95 min Scan# 907

Delta R.T. -0.05 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

Instrument :

BNA_F

ClientSampled :

B3-12

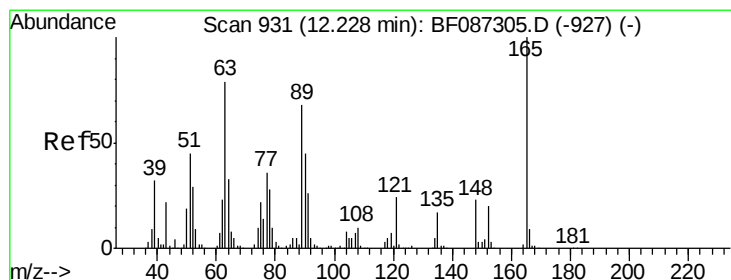
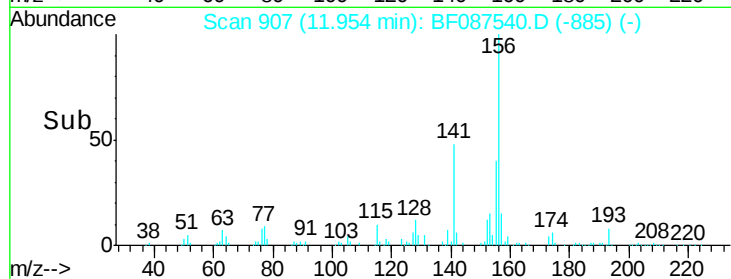
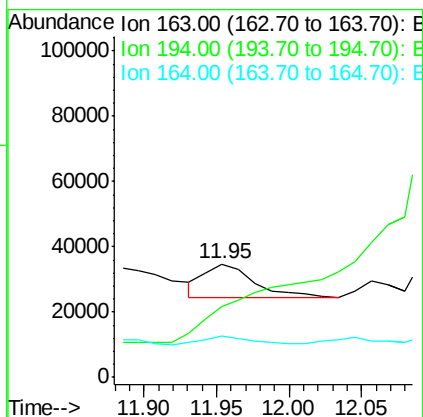
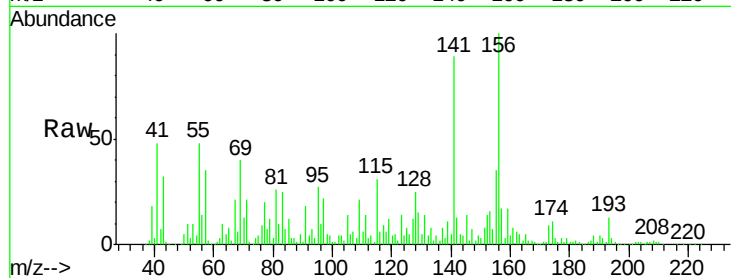
Tgt Ion:163 Resp: 25209

Ion Ratio Lower Upper

163 100

194 61.8 2.6 4.0#

164 36.5 8.2 12.4#



#50

2,6-Dinitrotoluene

Concen: 370.84 ng

RT: 12.10 min Scan# 920

Delta R.T. 0.00 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

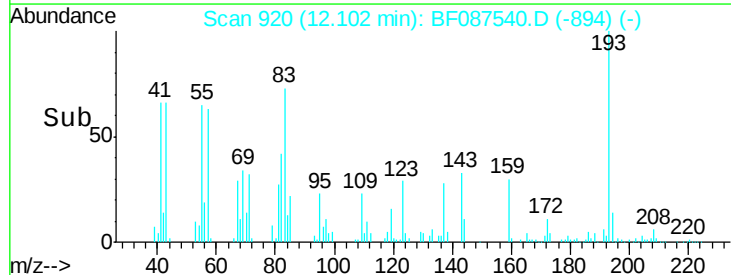
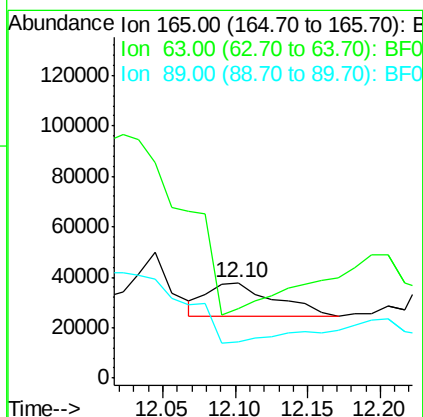
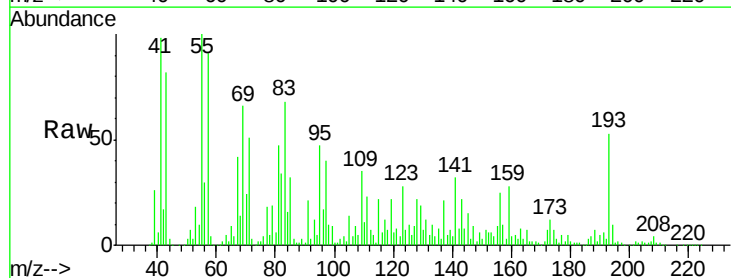
Tgt Ion:165 Resp: 42452

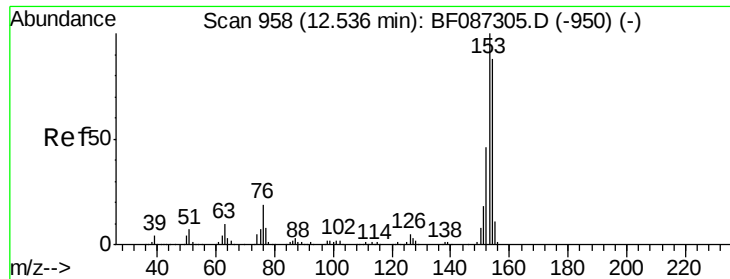
Ion Ratio Lower Upper

165 100

63 73.6 51.8 77.8

89 37.6 50.7 76.1#





#51

Acenaphthene

Concen: 161.01 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.09 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

Instrument :

BNA_F

ClientSampled :

B3-12

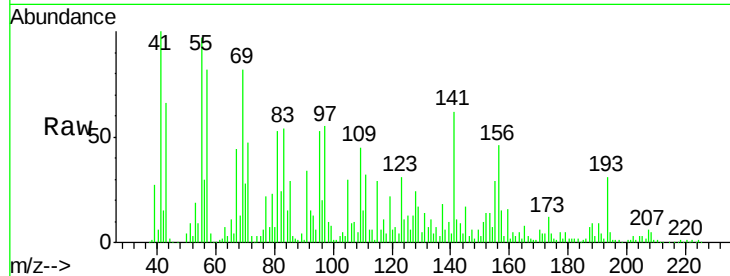
Tgt Ion:154 Resp: 71574

Ion Ratio Lower Upper

154 100

153 203.2 89.8 134.6#

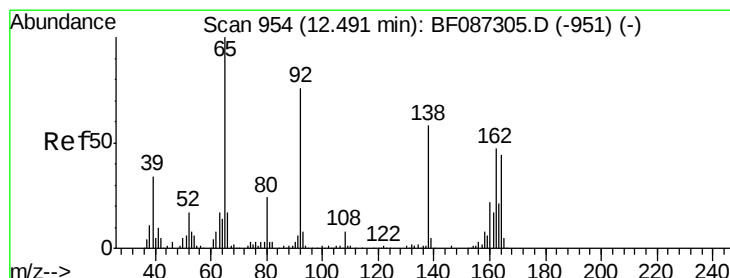
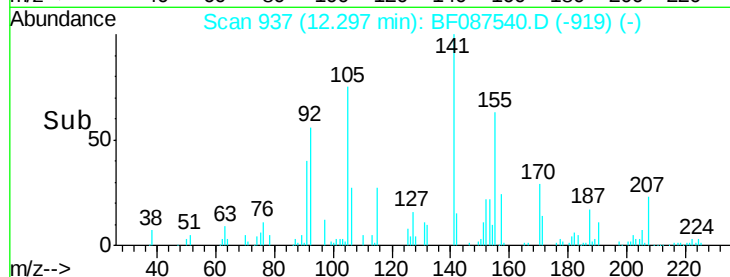
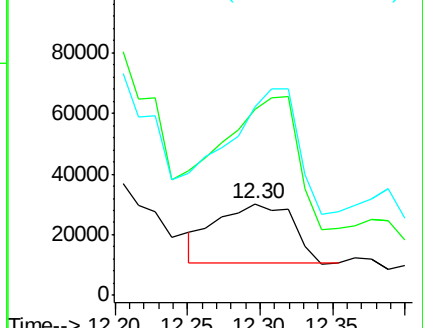
152 206.1 43.4 65.0#



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: 1049.17 ng

RT: 12.43 min Scan# 949

Delta R.T. 0.06 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

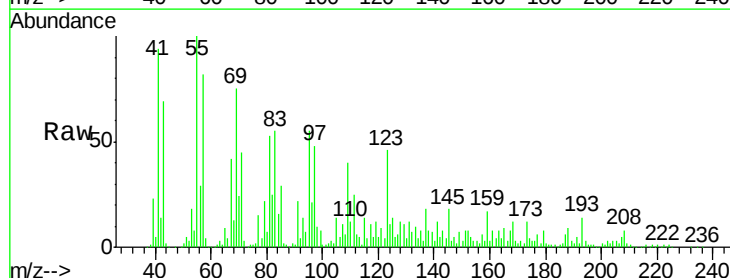
Tgt Ion:138 Resp: 123265

Ion Ratio Lower Upper

138 100

108 67.5 7.8 11.6#

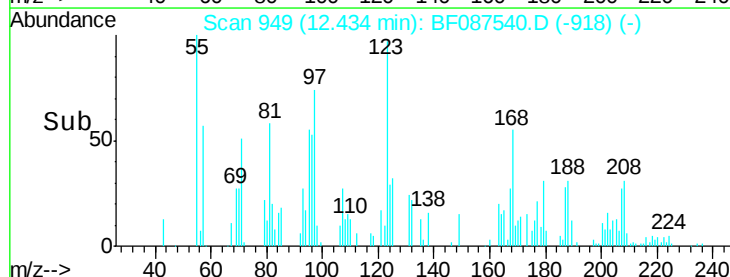
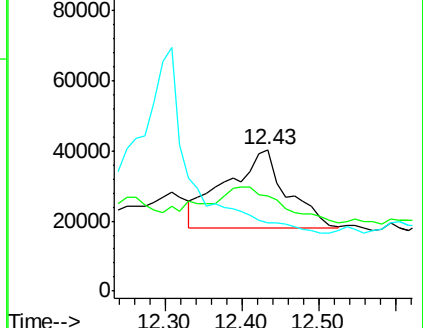
92 48.2 87.8 131.8#

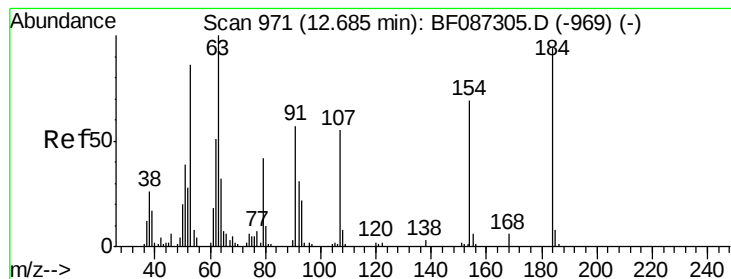


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 24.24 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.03 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

Instrument :

BNA_F

ClientSampleId :

B3-12

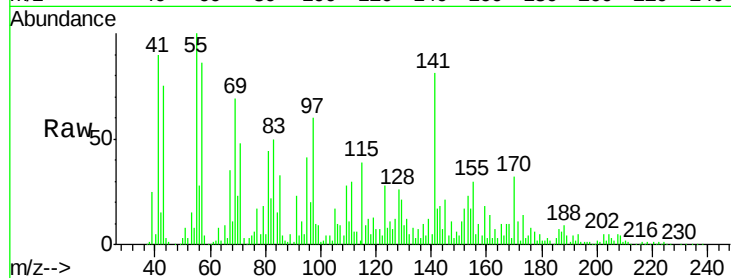
Tgt Ion:184 Resp: 1129

Ion Ratio Lower Upper

184 100

63 2412.5 55.8 83.8#

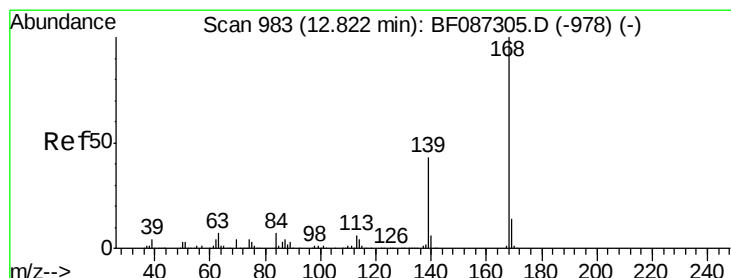
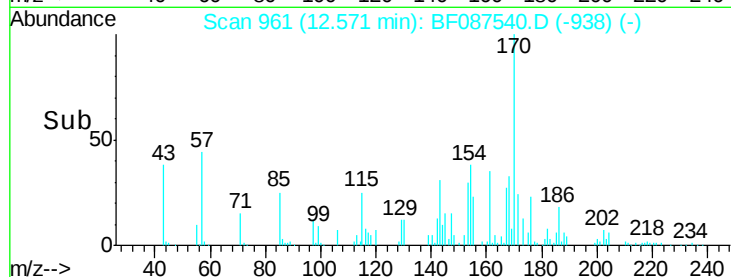
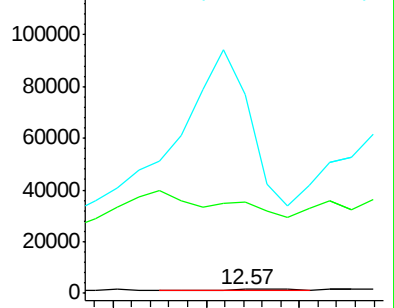
154 5242.2 62.4 93.6#



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: 375.06 ng

RT: 12.78 min Scan# 979

Delta R.T. 0.09 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

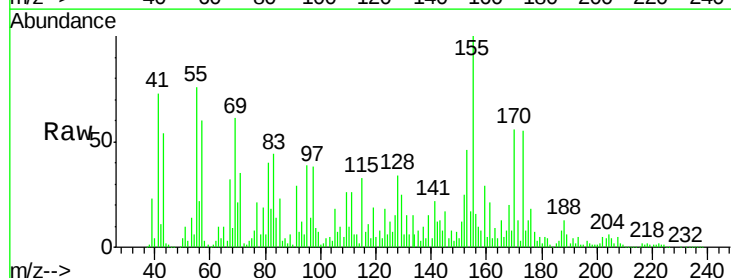
Tgt Ion:168 Resp: 225724

Ion Ratio Lower Upper

168 100

139 77.4 31.4 47.0#

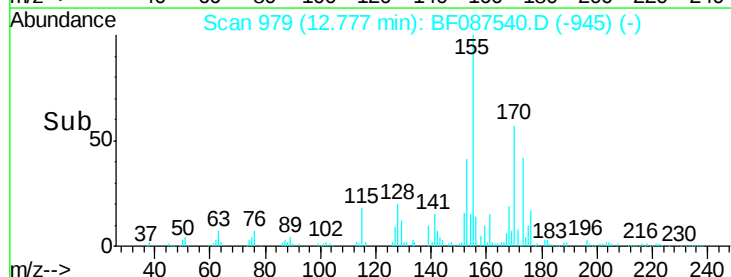
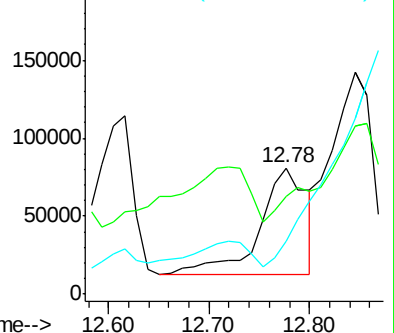
169 41.6 10.7 16.1#

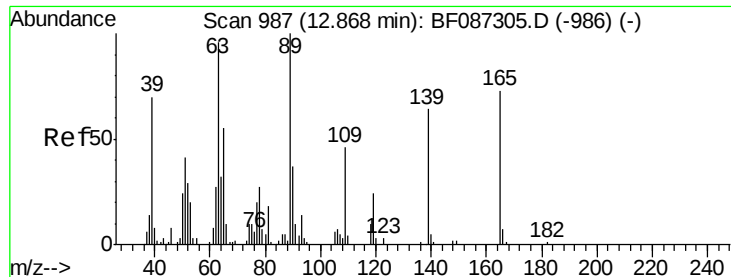


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

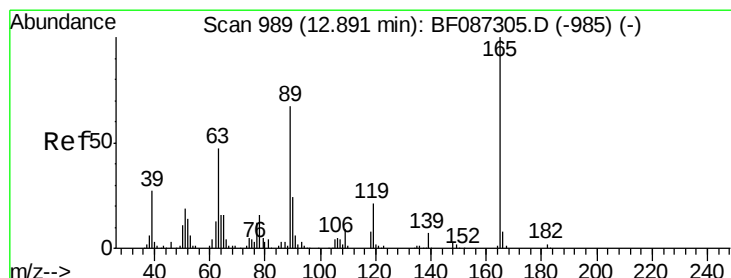
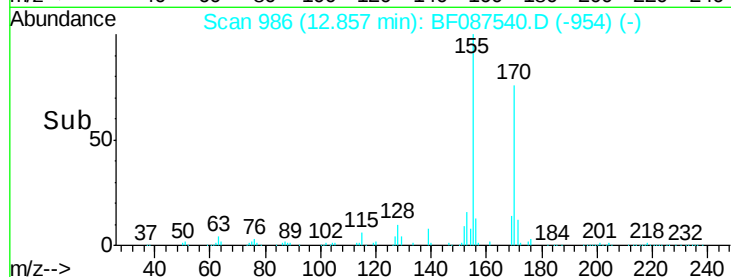
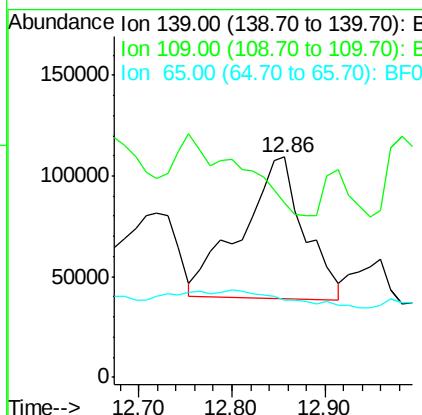
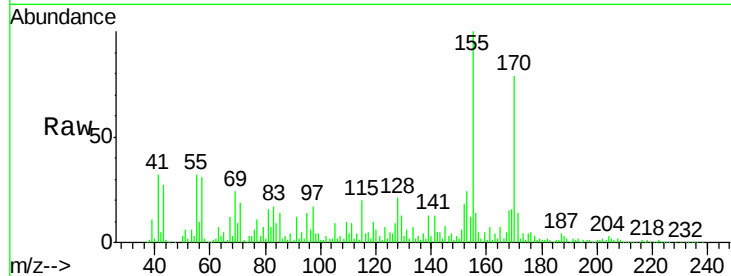




#55
 4-Nitrophenol
 Concen: 5830.93 ng
 RT: 12.86 min Scan# 986
 Delta R.T. 0.07 min
 Lab File: BF087540.D
 Acq: 30 May 2016 7:24

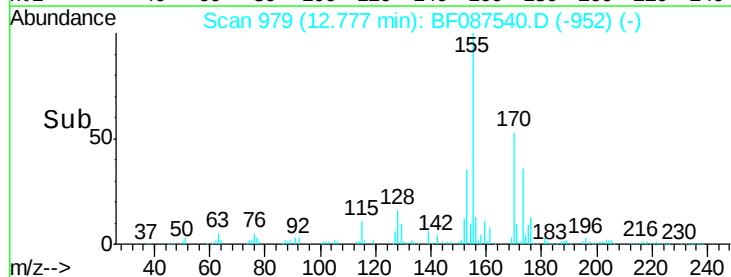
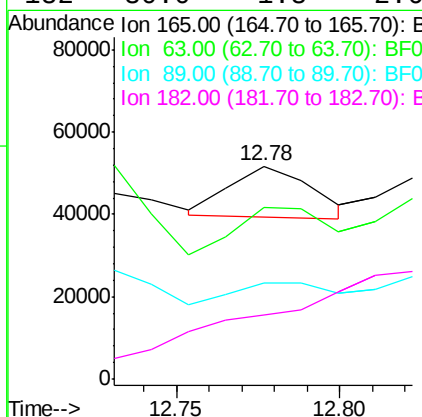
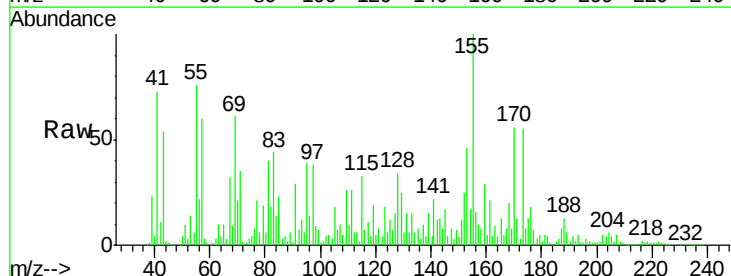
Instrument :
 BNA_F
 ClientSampleId :
 B3-12

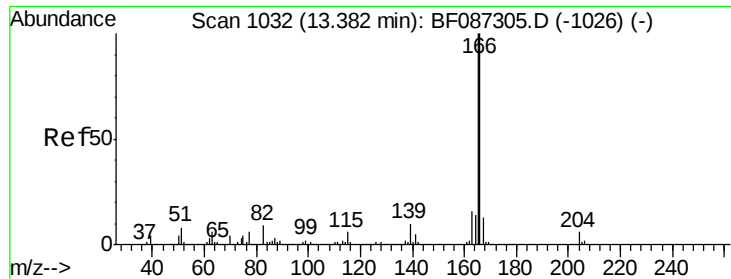
Tgt Ion:139 Resp: 326788
 Ion Ratio Lower Upper
 139 100
 109 79.2 36.9 76.9#
 65 34.9 64.0 104.0#



#56
 2,4-Dinitrotoluene
 Concen: 138.84 ng
 RT: 12.78 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: BF087540.D
 Acq: 30 May 2016 7:24

Tgt Ion:165 Resp: 21242
 Ion Ratio Lower Upper
 165 100
 63 80.9 44.3 66.5#
 89 44.9 70.0 105.0#
 182 30.0 1.8 2.6#





#57

Fluorene

Concen: 79.49 ng

RT: 13.23 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

Instrument :

BNA_F

ClientSampleId :

B3-12

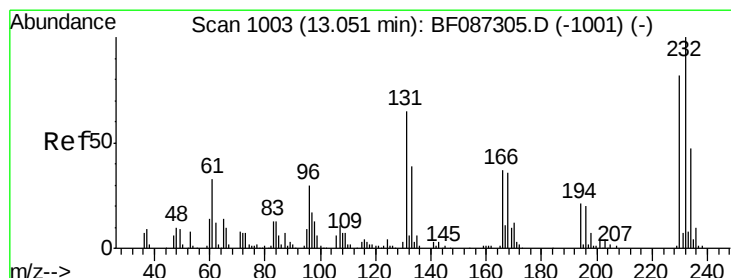
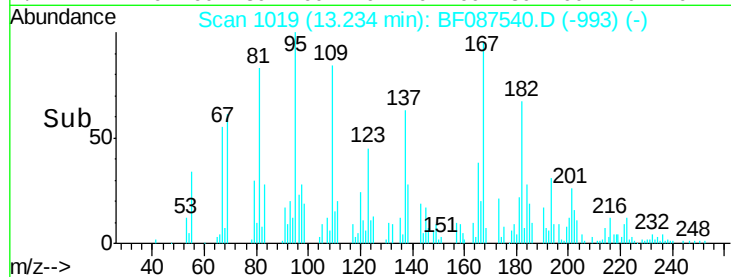
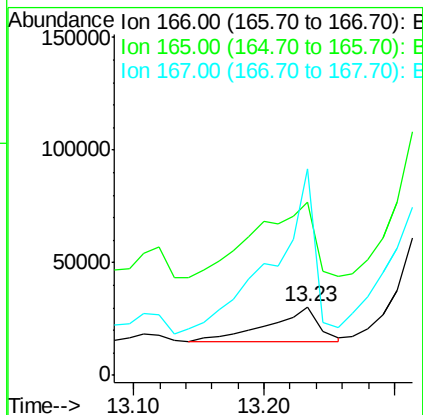
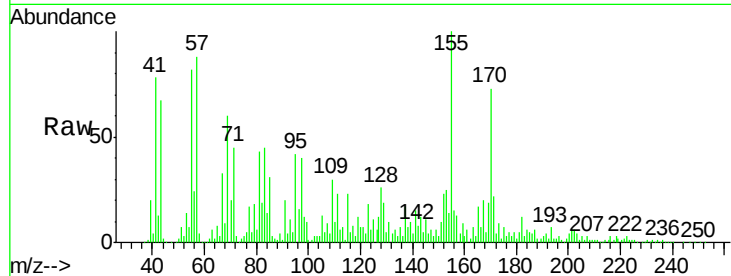
Tgt Ion:166 Resp: 41487

Ion Ratio Lower Upper

166 100

165 251.8 79.0 118.6#

167 299.3 10.6 15.8#



#58

2,3,4,6-Tetrachlorophenol

Concen: 16.41 ng

RT: 12.94 min Scan# 993

Delta R.T. 0.01 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

Tgt Ion:232 Resp: 1684

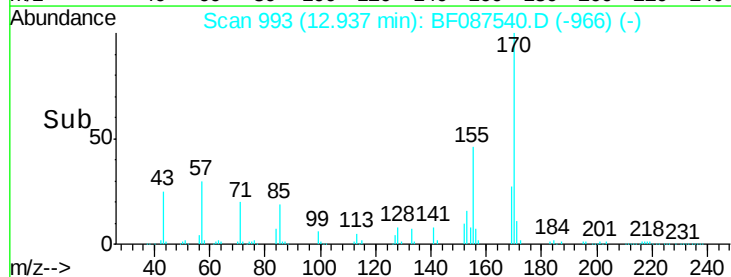
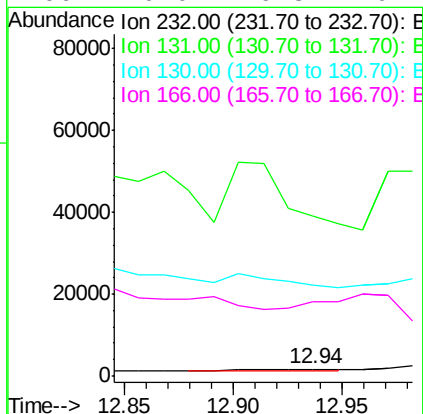
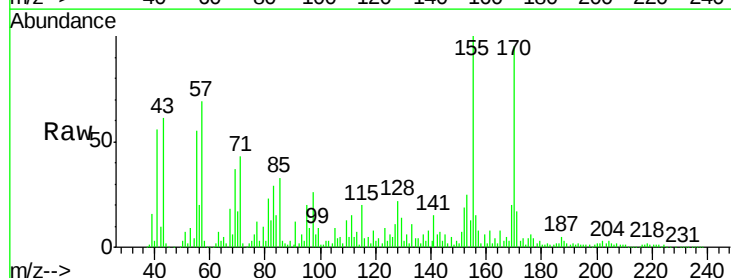
Ion Ratio Lower Upper

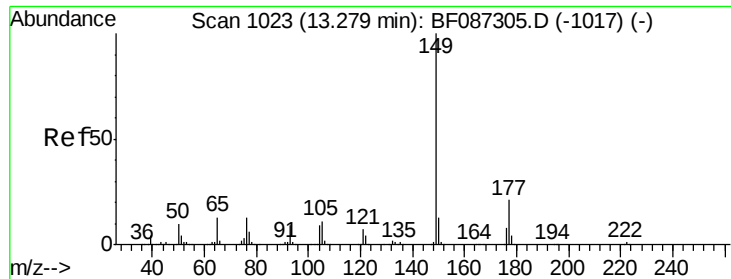
232 100

131 0.0 41.9 62.9#

130 0.0 2.2 3.4#

166 0.0 26.8 40.2#

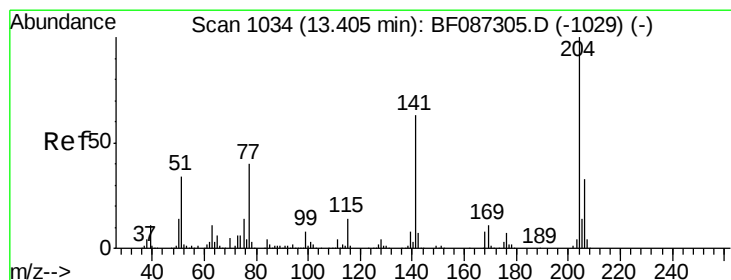
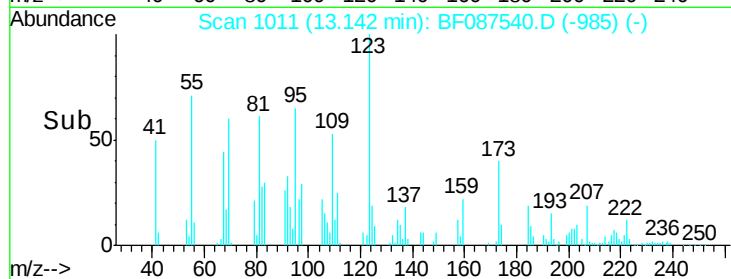
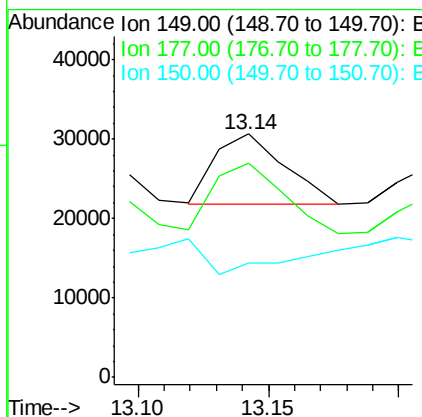
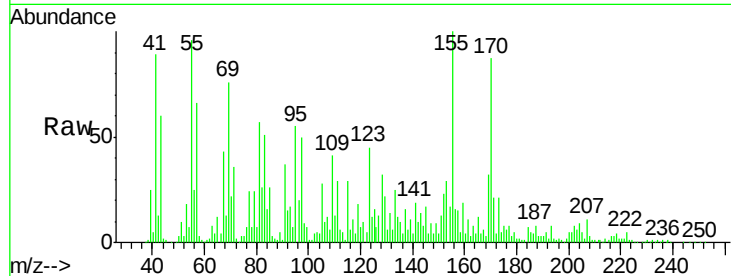




#59
Diethylphthalate
Concen: 29.55 ng
RT: 13.14 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF087540.D
Acq: 30 May 2016 7:24

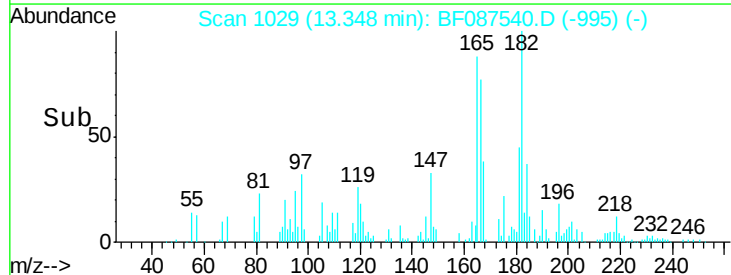
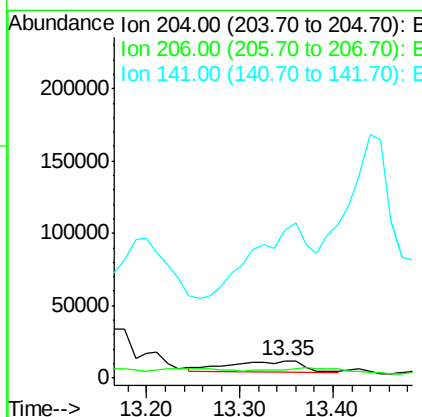
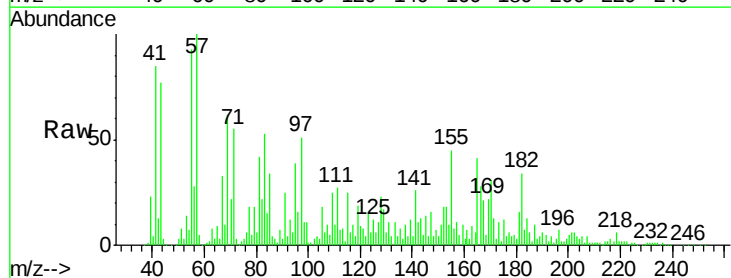
Instrument :
BNA_F
ClientSampleId :
B3-12

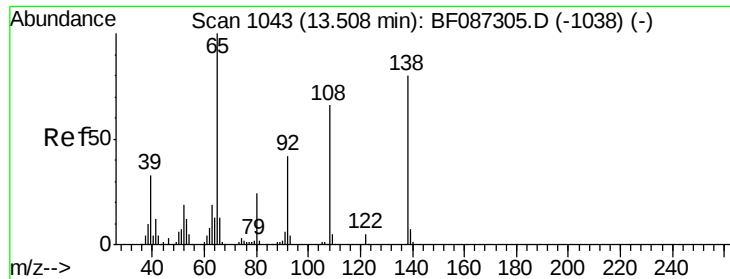
Tgt Ion:149 Resp: 16322
Ion Ratio Lower Upper
149 100
177 88.1 16.6 24.8#
150 47.2 10.0 15.0#



#60
4-Chlorophenyl-phenylether
Concen: 169.73 ng
RT: 13.35 min Scan# 1029
Delta R.T. 0.09 min
Lab File: BF087540.D
Acq: 30 May 2016 7:24

Tgt Ion:204 Resp: 43196
Ion Ratio Lower Upper
204 100
206 47.3 25.4 38.0#
141 855.2 61.6 92.4#

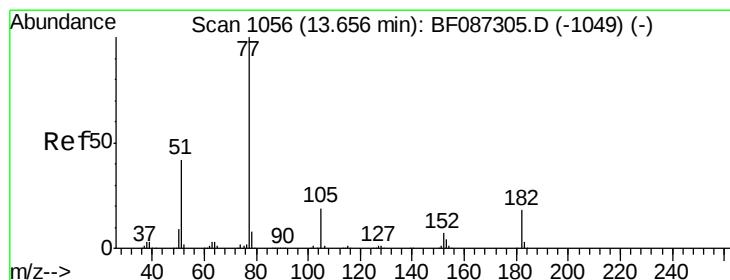
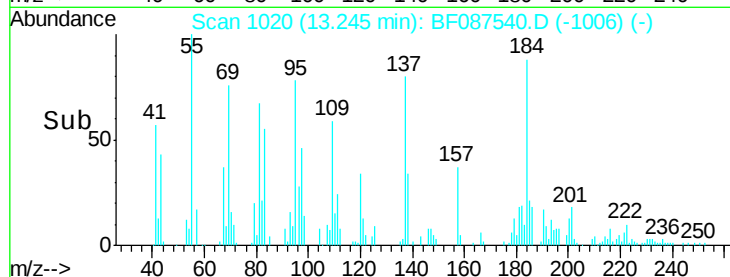
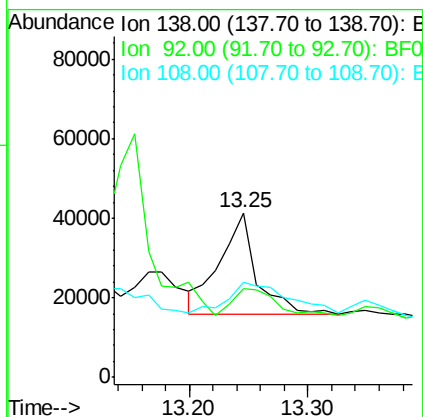
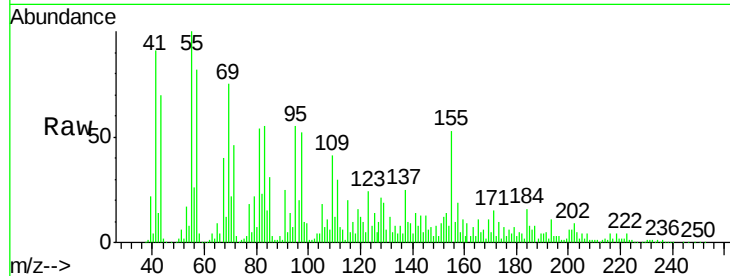




#61
4-Nitroaniline
Concen: 505.83 ng
RT: 13.25 min Scan# 1020
Delta R.T. -0.14 min
Lab File: BF087540.D
Acq: 30 May 2016 7:24

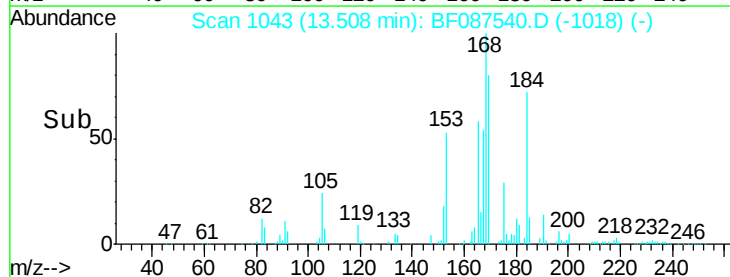
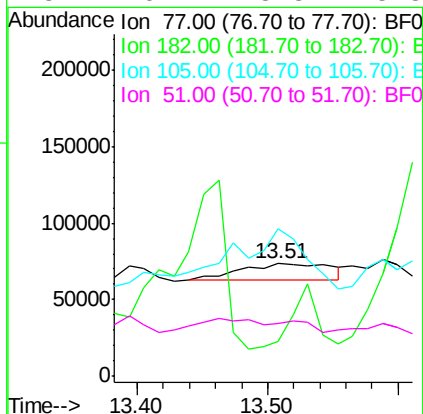
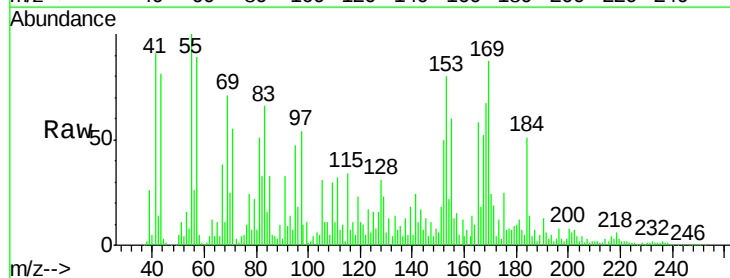
Instrument :
BNA_F
ClientSampled :
B3-12

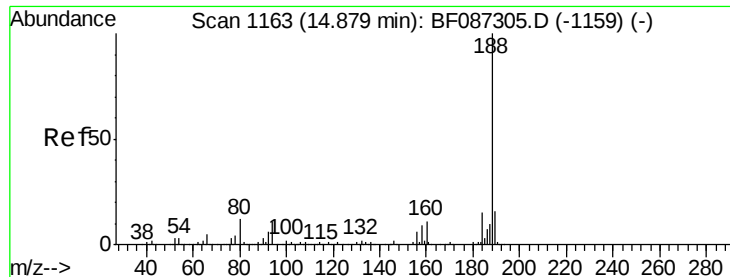
Tgt Ion:138 Resp: 55466
Ion Ratio Lower Upper
138 100
92 53.5 24.7 64.7
108 57.5 37.4 77.4



#62
Azobenzene
Concen: 94.17 ng
RT: 13.51 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF087540.D
Acq: 30 May 2016 7:24

Tgt Ion: 77 Resp: 53962
Ion Ratio Lower Upper
77 100
182 30.4 0.0 38.8
105 131.5 3.2 43.2#
51 46.7 8.8 48.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.86 min Scan# 1161

Delta R.T. 0.11 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

Instrument :

BNA_F

ClientSampleId :

B3-12

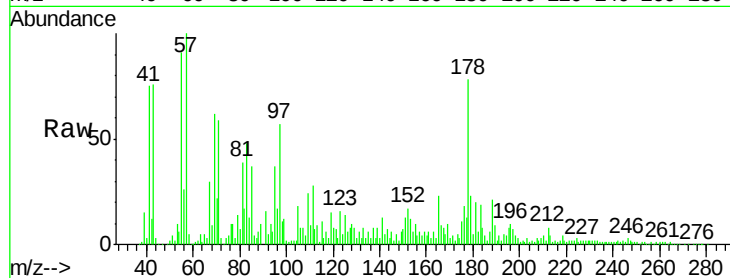
Tgt Ion:188 Resp: 155623

Ion Ratio Lower Upper

188 100

94 30.3 6.8 10.2#

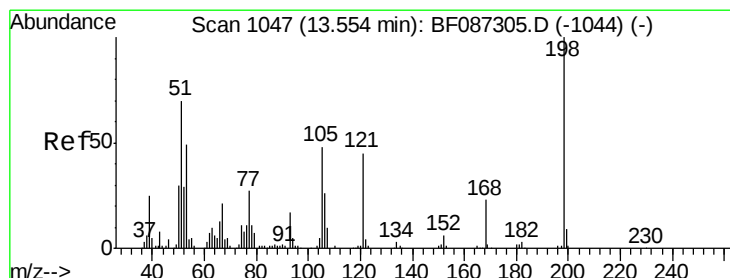
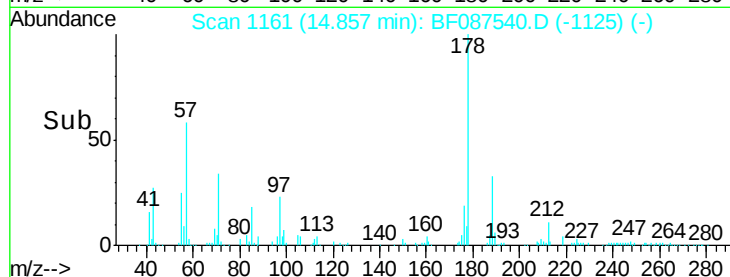
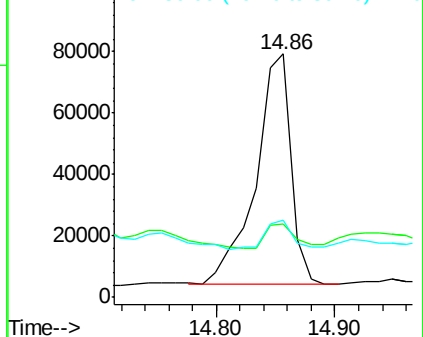
80 32.0 7.1 10.7#



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: 14.19 ng

RT: 13.52 min Scan# 1044

Delta R.T. 0.09 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

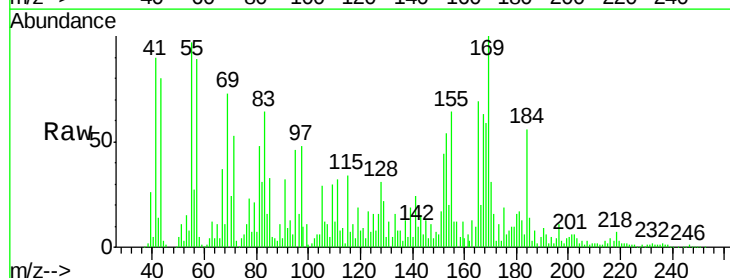
Tgt Ion:198 Resp: 14041

Ion Ratio Lower Upper

198 100

51 468.3 20.5 60.5#

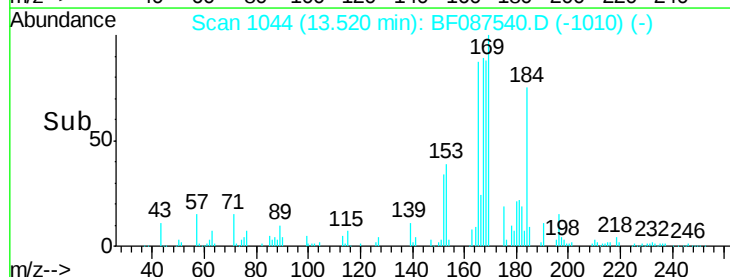
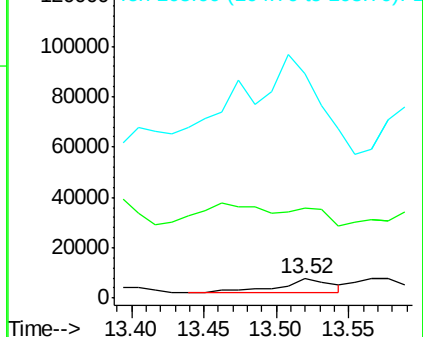
105 1167.1 24.5 64.5#

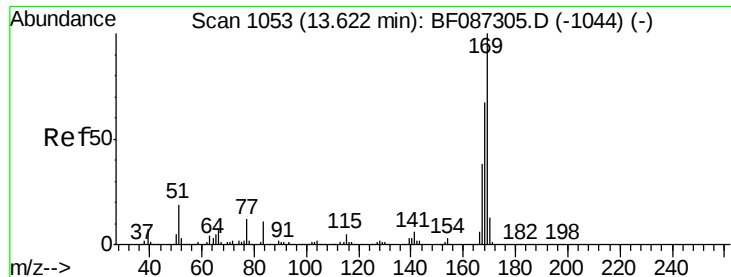


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 205.21 ng

RT: 13.60 min Scan# 1051

Delta R.T. 0.13 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

Instrument :

BNA_F

ClientSampleId :

B3-12

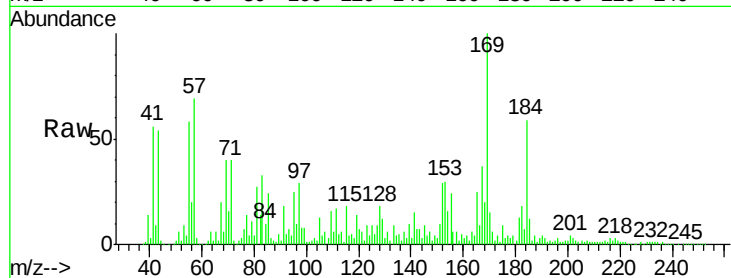
Tgt Ion:169 Resp: 1032783

Ion Ratio Lower Upper

169 100

168 20.3 53.8 80.6#

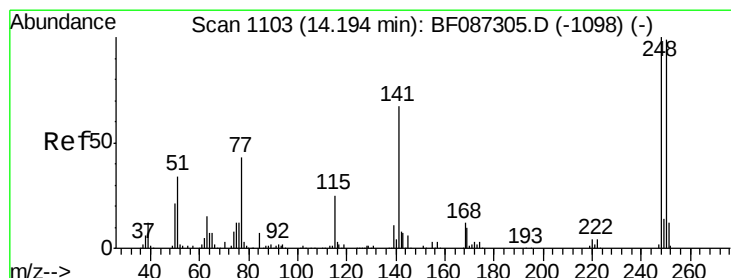
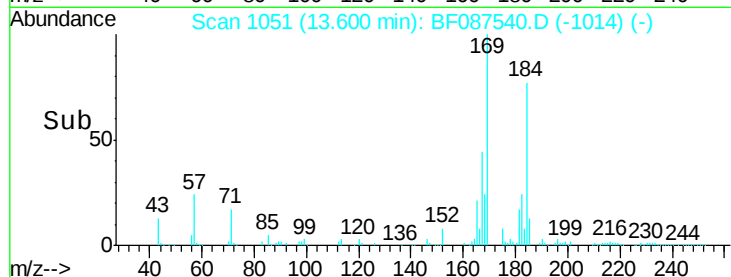
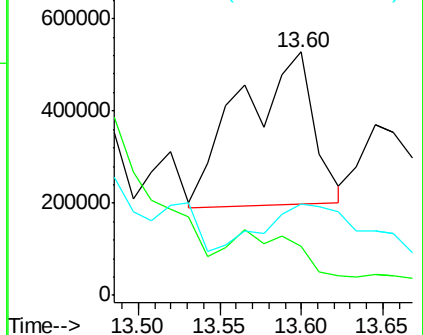
167 37.3 29.5 44.3



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



#66

4-Bromophenyl-phenylether

Concen: 3.54 ng

RT: 14.19 min Scan# 1103

Delta R.T. 0.15 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

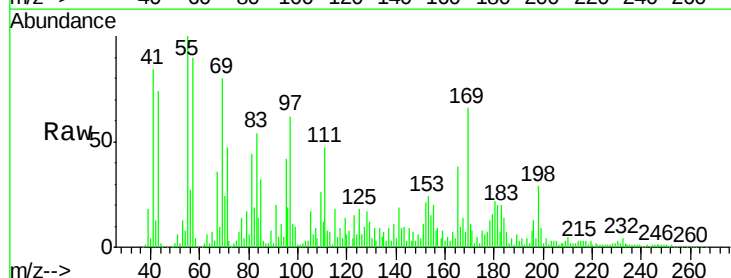
Tgt Ion:248 Resp: 6022

Ion Ratio Lower Upper

248 100

250 96.2 78.6 117.8

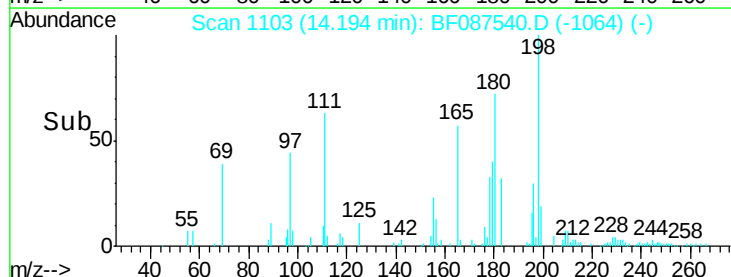
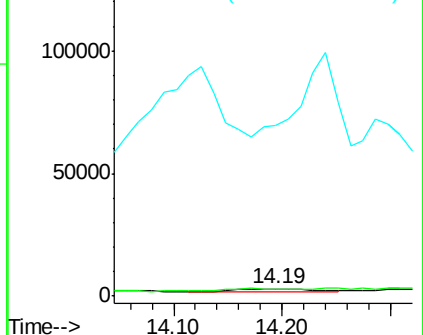
141 2462.1 76.0 114.0#

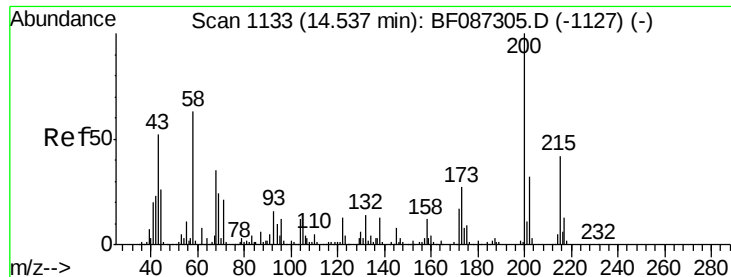


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

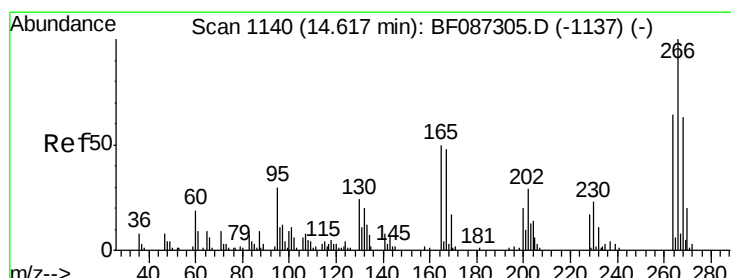
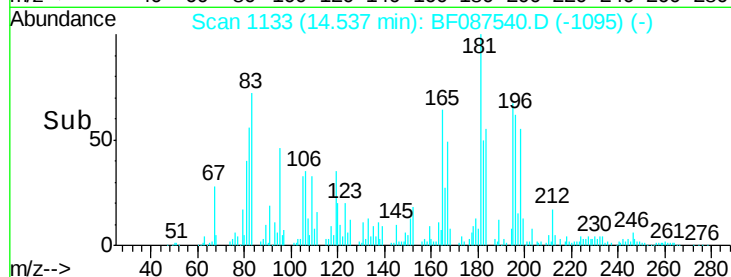
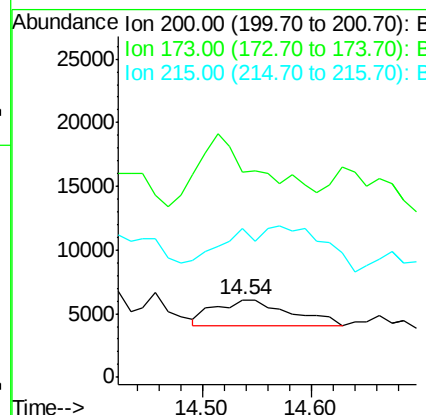
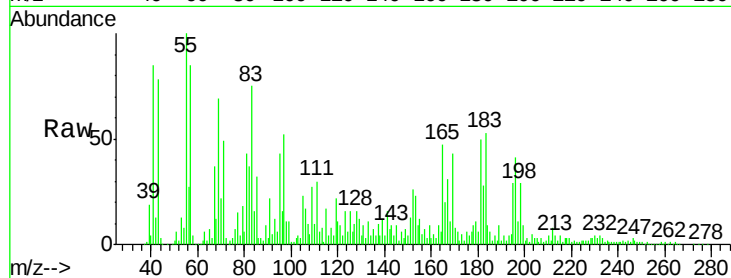




#68
Atrazine
Concen: 6.29 ng
RT: 14.54 min Scan# 1133
Delta R.T. 0.14 min
Lab File: BF087540.D
Acq: 30 May 2016 7:24

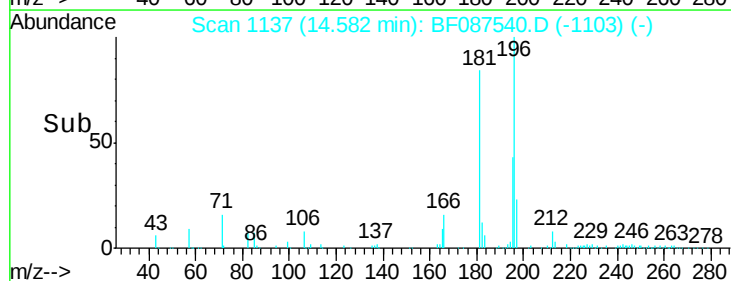
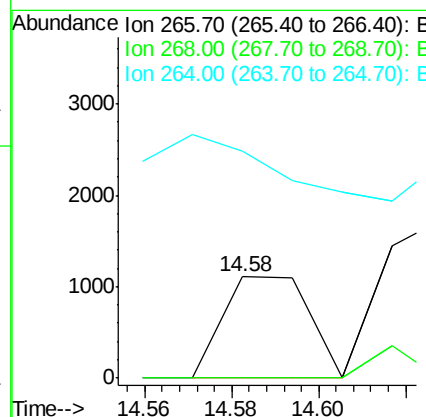
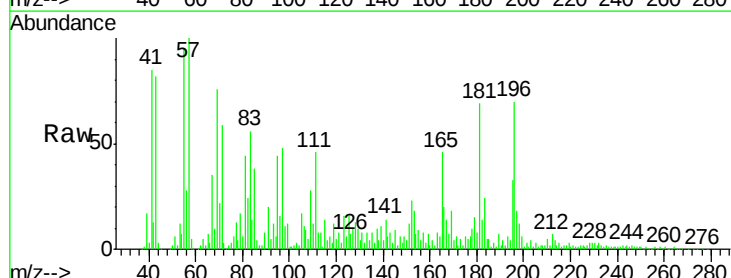
Instrument :
BNA_F
ClientSampleId :
B3-12

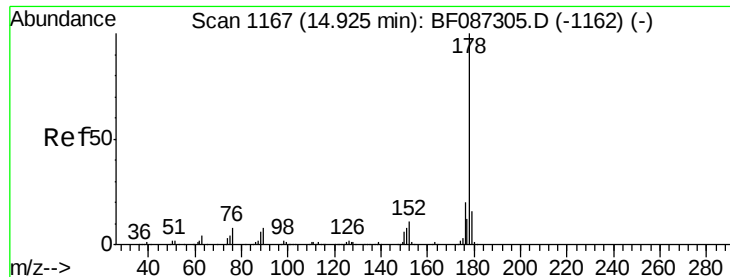
Tgt Ion: 200 Resp: 10098
Ion Ratio Lower Upper
200 100
173 264.7 8.5 48.5#
215 192.5 27.2 67.2#



#69
Pentachlorophenol
Concen: 8.70 ng
RT: 14.58 min Scan# 1137
Delta R.T. 0.09 min
Lab File: BF087540.D
Acq: 30 May 2016 7:24

Tgt Ion: 266 Resp: 1514
Ion Ratio Lower Upper
266 100
268 0.0 51.5 77.3#
264 224.3 52.9 79.3#

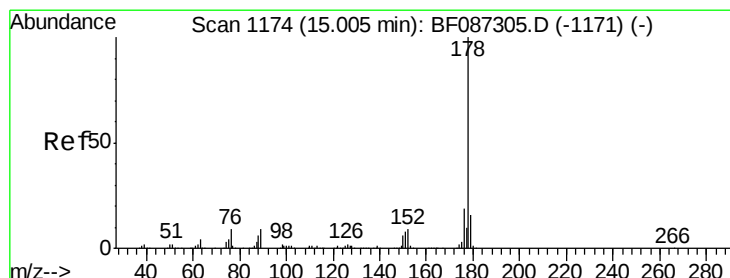
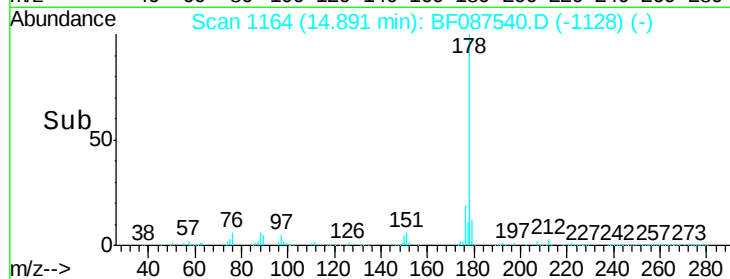
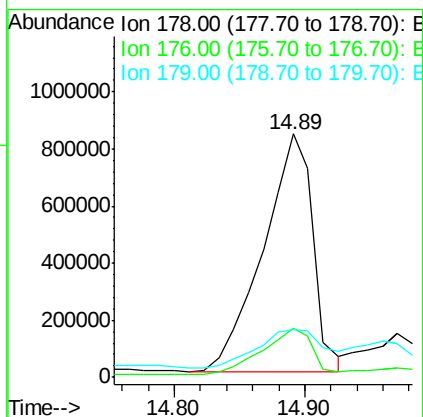
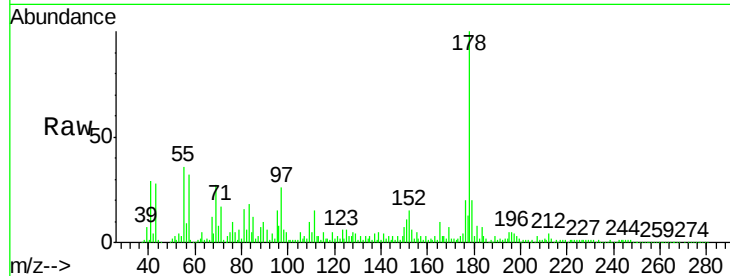




#70
Phenanthrene
Concen: 256.67 ng
RT: 14.89 min Scan# 1164
Delta R.T. 0.11 min
Lab File: BF087540.D
Acq: 30 May 2016 7:24

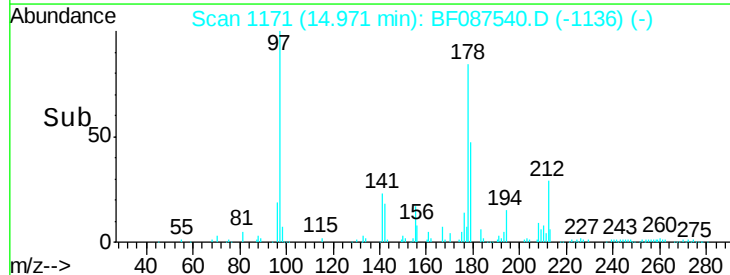
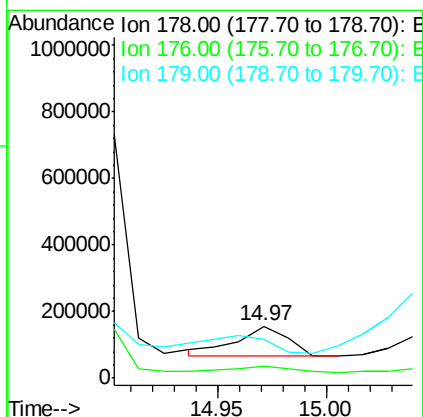
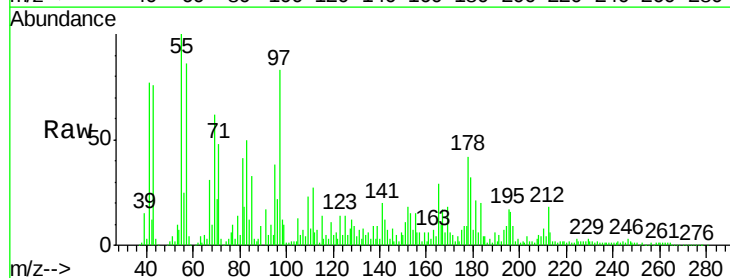
Instrument :
BNA_F
ClientSampled :
B3-12

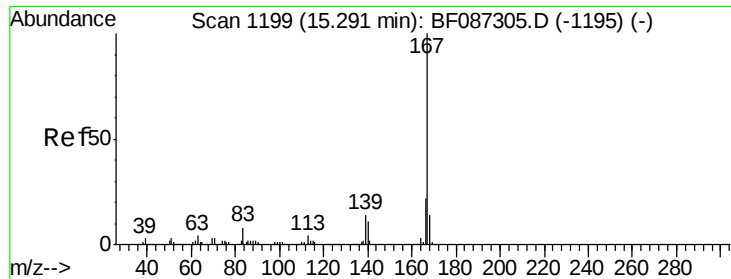
Tgt Ion:178 Resp: 2212544
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 19.9 12.6 18.8#



#71
Anthracene
Concen: 17.18 ng
RT: 14.97 min Scan# 1171
Delta R.T. 0.10 min
Lab File: BF087540.D
Acq: 30 May 2016 7:24

Tgt Ion:178 Resp: 149616
Ion Ratio Lower Upper
178 100
176 22.3 15.6 23.4
179 74.7 12.7 19.1#





#72

Carbazole

Concen: 2.63 ng

RT: 15.25 min Scan# 1195

Delta R.T. 0.08 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

Instrument :

BNA_F

ClientSampled :

B3-12

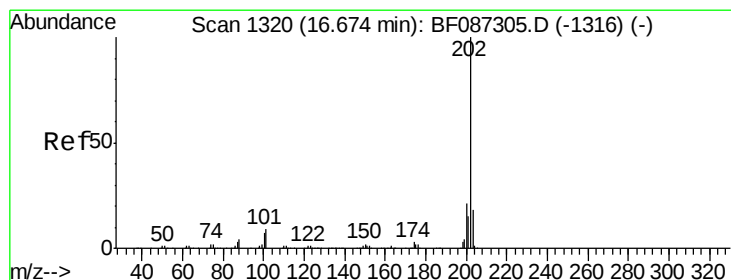
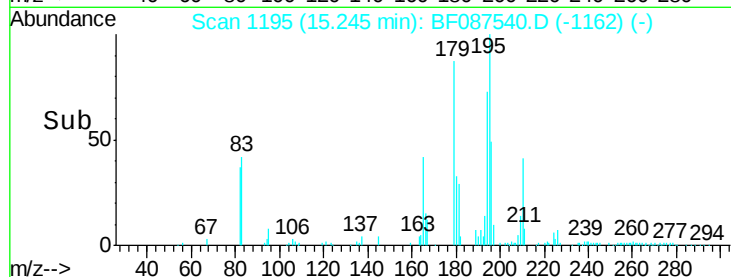
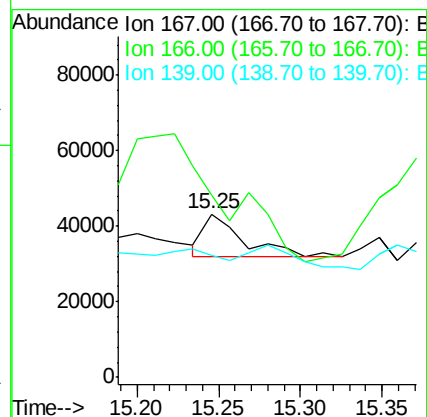
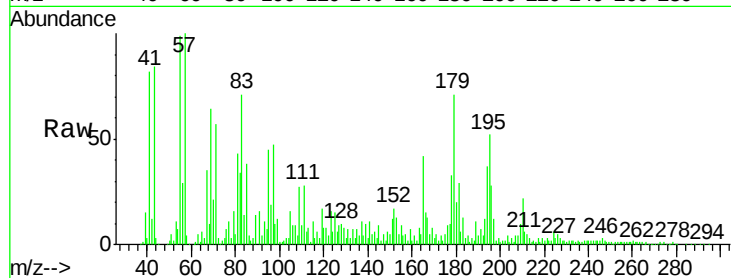
Tgt Ion:167 Resp: 19545

Ion Ratio Lower Upper

167 100

166 111.3 17.7 26.5#

139 74.8 10.8 16.2#



#74

Fluoranthene

Concen: 10.67 ng

RT: 16.61 min Scan# 1314

Delta R.T. 0.06 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

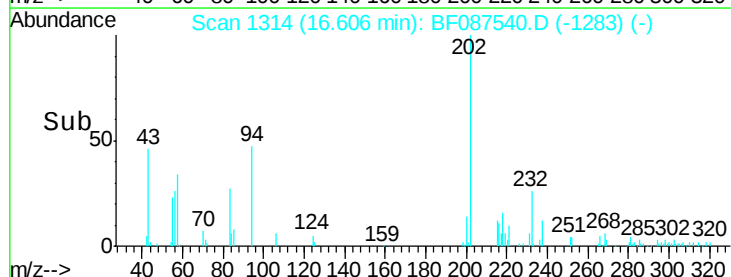
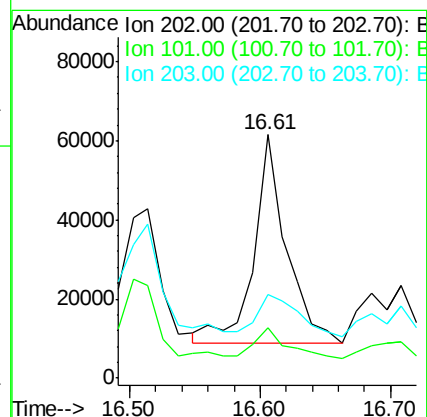
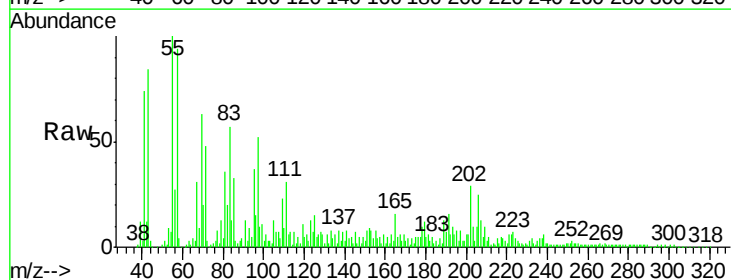
Tgt Ion:202 Resp: 92269

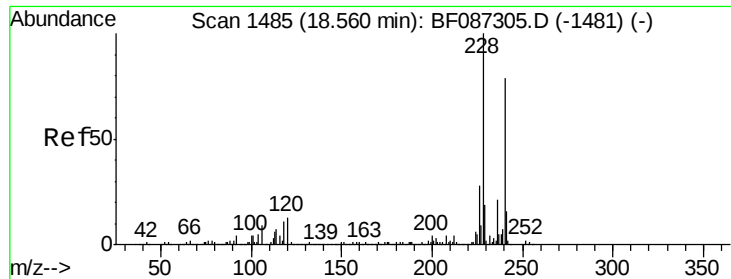
Ion Ratio Lower Upper

202 100

101 20.8 0.0 35.4

203 34.2 0.0 38.1

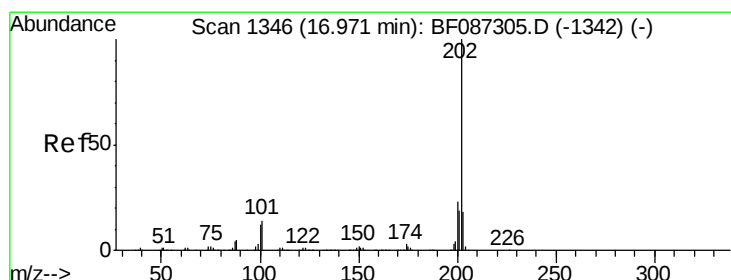
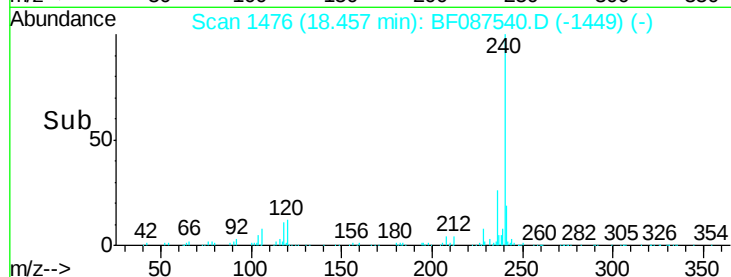
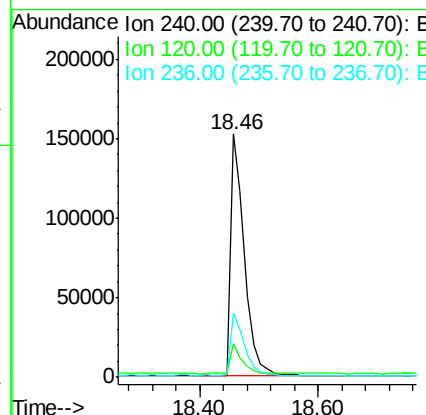
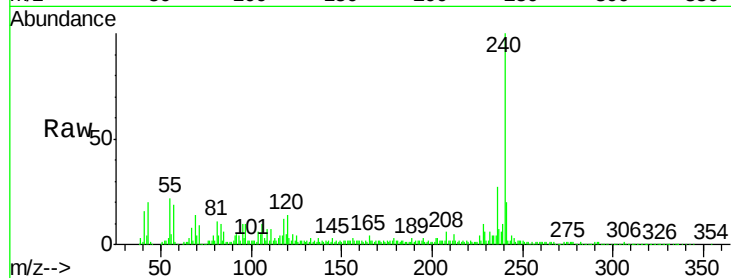




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.46 min Scan# 1476
Delta R.T. 0.01 min
Lab File: BF087540.D
Acq: 30 May 2016 7:24

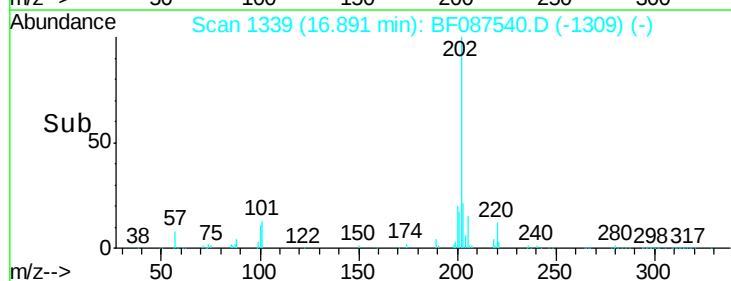
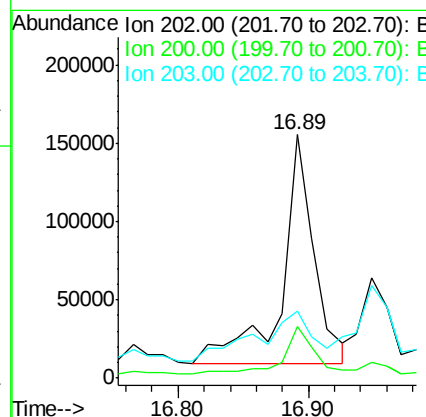
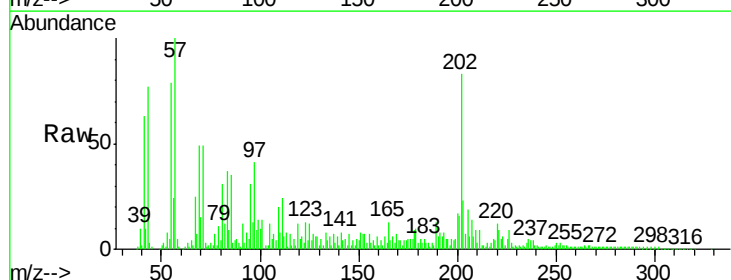
Instrument :
BNA_F
ClientSampleId :
B3-12

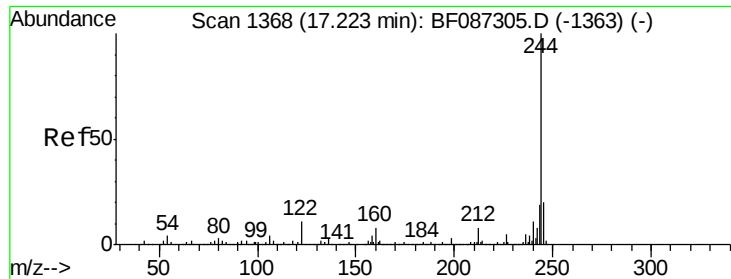
Tgt Ion:240 Resp: 243435
Ion Ratio Lower Upper
240 100
120 13.6 11.2 16.8
236 26.6 21.2 31.8



#77
Pyrene
Concen: 14.37 ng
RT: 16.89 min Scan# 1339
Delta R.T. 0.05 min
Lab File: BF087540.D
Acq: 30 May 2016 7:24

Tgt Ion:202 Resp: 251845
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 27.6 14.2 21.4#





#78

Terphenyl-d14

Concen: 55.77 ng

RT: 17.12 min Scan# 1359

Delta R.T. 0.02 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

Instrument :

BNA_F

ClientSampleId :

B3-12

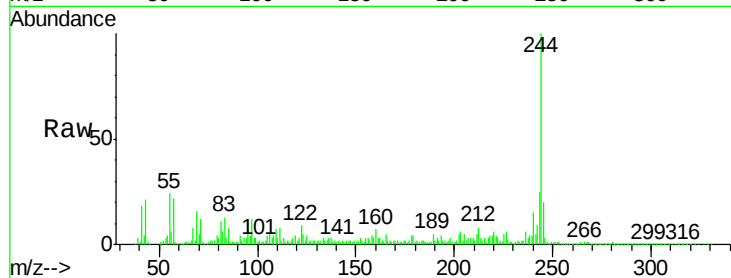
Tgt Ion:244 Resp: 638600

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

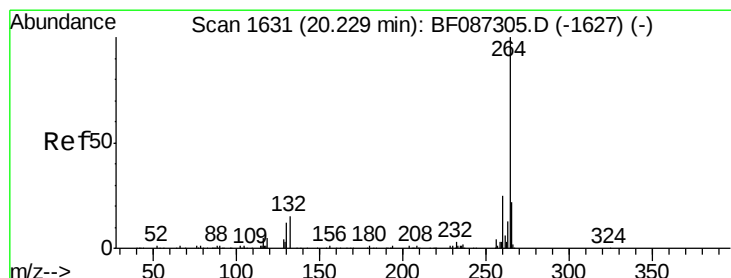
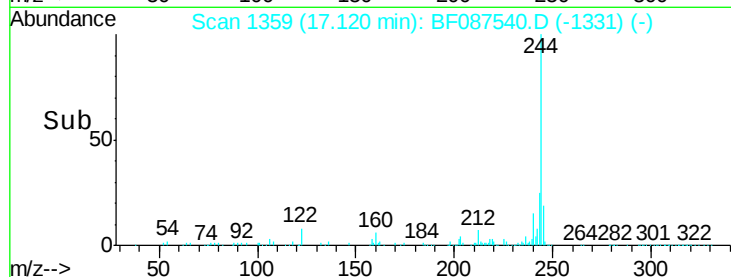
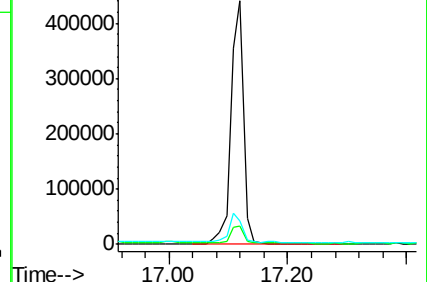
122 9.4 12.0 18.0#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.14 min Scan# 1623

Delta R.T. 0.01 min

Lab File: BF087540.D

Acq: 30 May 2016 7:24

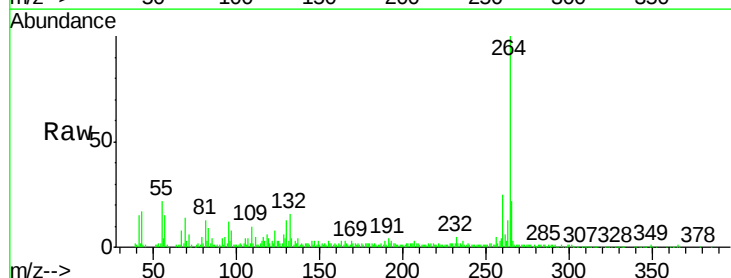
Tgt Ion:264 Resp: 202398

Ion Ratio Lower Upper

264 100

260 25.0 19.5 29.3

265 22.1 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

