

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
 Data File : BF089901.D
 Acq On : 25 Aug 2016 4:39
 Operator : UM/SJ
 Sample : H4576-10
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21A-GW

Quant Time: Aug 25 12:27:36 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	451022	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	1359924	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	591910	20.00	ng	0.01
63) Phenanthrene-d10	11.20	188	1161070	20.00	ng	0.01
75) Chrysene-d12	13.84	240	938988	20.00	ng	-0.03
86) Perylene-d12	15.31	264	893130	20.00	ng	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.24	112	1713940	65.17	ng	-0.01
7) Phenol-d6	6.31	99	1402303	43.44	ng	-0.01
23) Nitrobenzene-d5	7.24	82	2383979	108.91	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	723157	128.56	ng	0.01
44) 2-Fluorobiphenyl	9.05	172	3711752	110.21	ng	0.00
78) Terphenyl-d14	12.79	244	3065467	73.86	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.43	77	59508	2.83	ng	82
15) Benzyl Alcohol	6.83	79	56692	2.65	ng	# 41
18) Hexachloroethane	7.18	117	200373	16.62	ng	# 1
19) n-Nitroso-di-n-propylamine	7.08	70	132352	6.41	ng	# 69
22) Acetophenone	7.07	105	1025889	32.85	ng	# 50
24) Nitrobenzene	7.22	77	203363	8.28	ng	# 26
25) Isophorone	7.48	82	149231	3.38	ng	# 1
28) bis(2-Chloroethoxy)methane	7.71	93	61875	2.27	ng	# 1
31) Naphthalene	7.99	128	5127179	80.67	ng	# 95
33) 4-Chloroaniline	7.99	127	896185	32.53	ng	# 37
35) Caprolactam	8.41	113	270368	47.91	ng	# 3
36) 4-Chloro-3-methylphenol	8.49	107	48775	2.43	ng	# 15
37) 2-Methylnaphthalene	8.68	142	6720104	163.43	ng	# 94
45) 1,1'-Biphenyl	9.14	154	1157715	25.27	ng	98
47) 2-Nitroaniline	9.24	65	24158	2.34	ng	# 53
48) Acenaphthylene	9.59	152	209174	3.84	ng	# 1
49) Dimethylphthalate	9.45	163	465008	11.16	ng	# 92
50) 2,6-Dinitrotoluene	9.50	165	22213	2.31	ng	# 1
51) Acenaphthene	9.75	154	527580	14.65	ng	92
53) 2,4-Dinitrophenol	9.72	184	1513	2.61	ng	# 1
54) Dibenzofuran	9.92	168	333611	7.38	ng	# 45
55) 4-Nitrophenol	9.83	139	286844	32.97	ng	# 67
56) 2,4-Dinitrotoluene	9.93	165	137895	11.05	ng	# 61
57) Fluorene	10.26	166	1085318	30.11	ng	# 88
62) Azobenzene	10.42	77	90199	2.27	ng	# 1
65) n-Nitrosodiphenylamine	10.32	169	919652	25.19	ng	93
68) Atrazine	10.92	200	59916	5.36	ng	# 52
70) Phenanthrene	11.22	178	2471136	42.14	ng	# 96
71) Anthracene	11.22	178	2471136	41.45	ng	97
72) Carbazole	11.43	167	452981	8.47	ng	# 82
74) Fluoranthene	12.40	202	112378	2.01	ng	64
77) Pyrene	12.63	202	682137	8.92	ng	# 94

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Response via : Initial Calibration

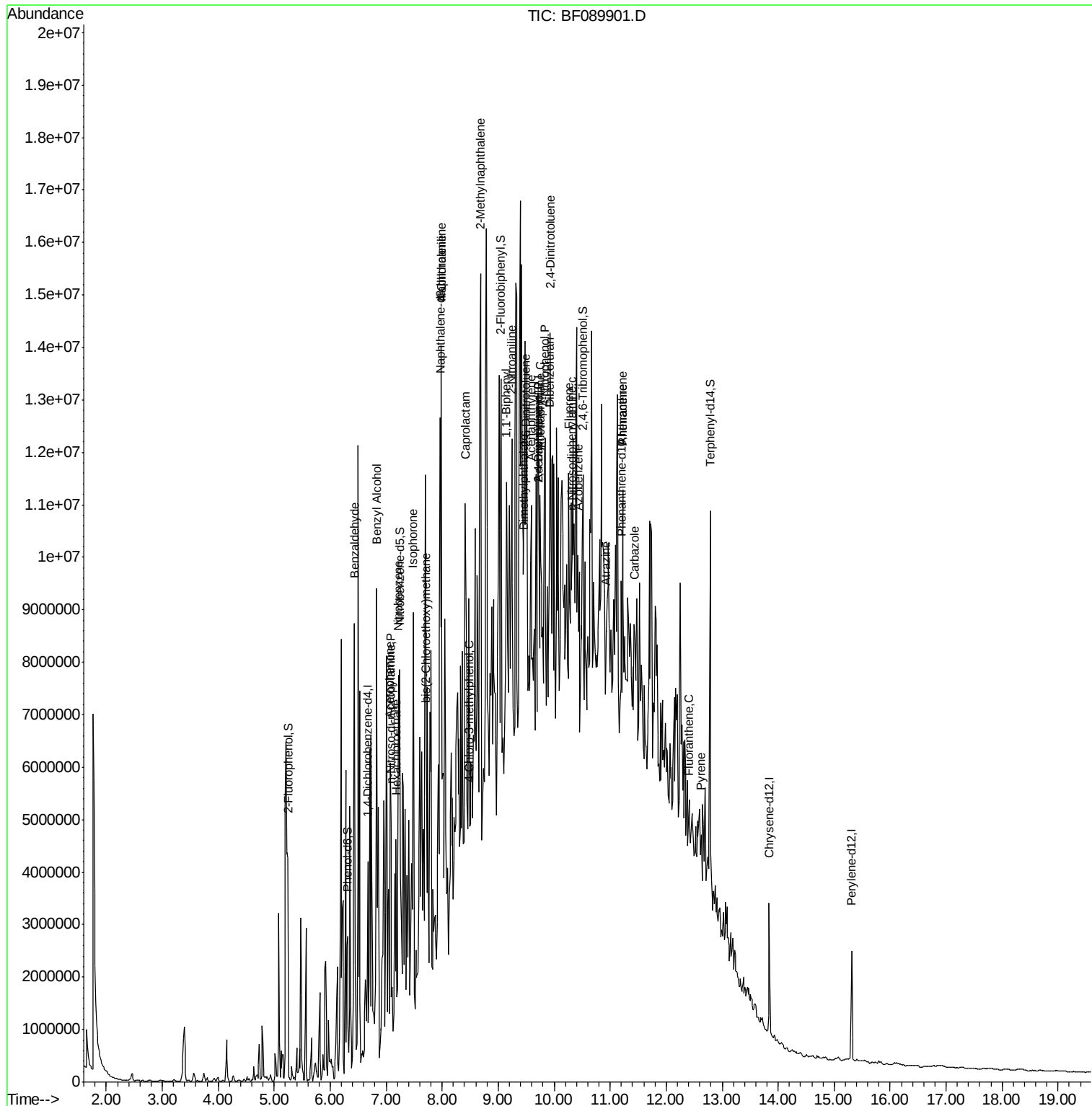
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

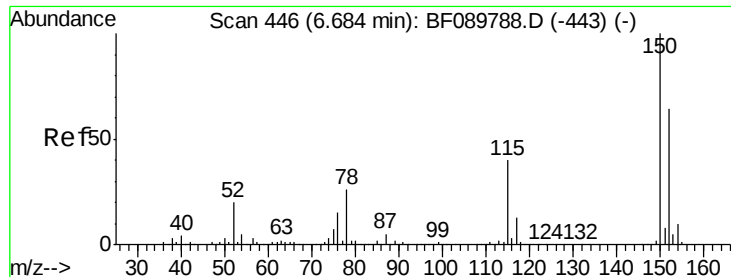
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.01 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-21A-GW

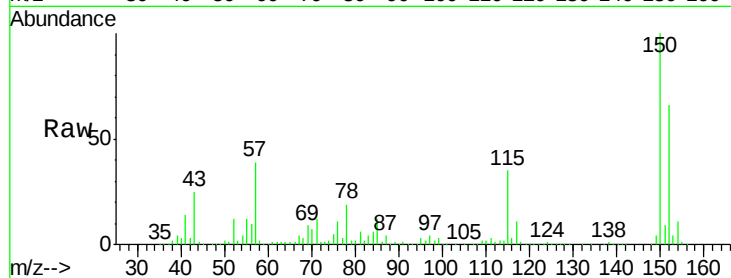
Tgt Ion:152 Resp: 451022

Ion Ratio Lower Upper

152 100

150 151.8 125.3 187.9

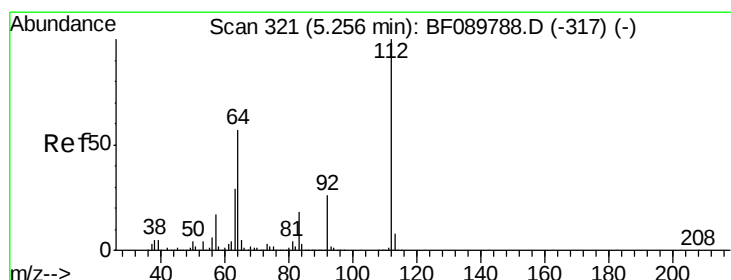
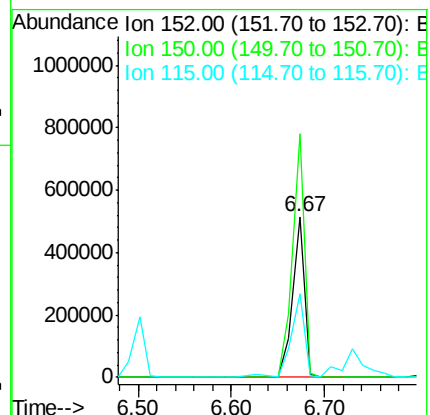
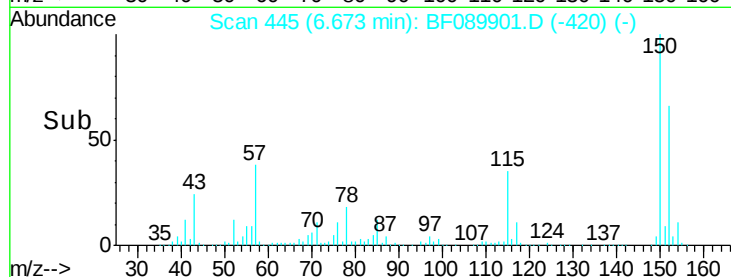
115 52.5 40.9 61.3



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: 65.17 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.01 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

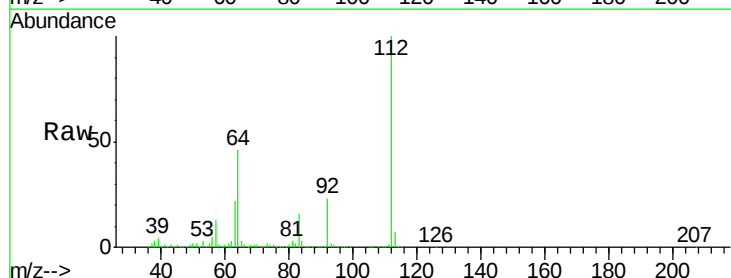
Tgt Ion:112 Resp: 1713940

Ion Ratio Lower Upper

112 100

64 45.9 45.0 67.4

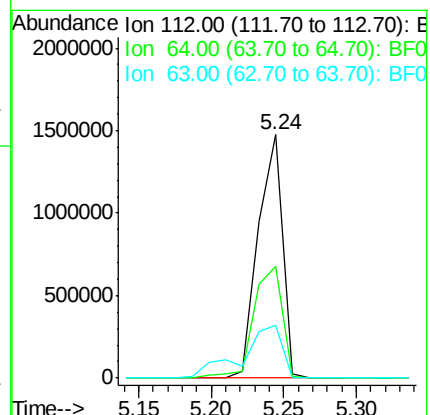
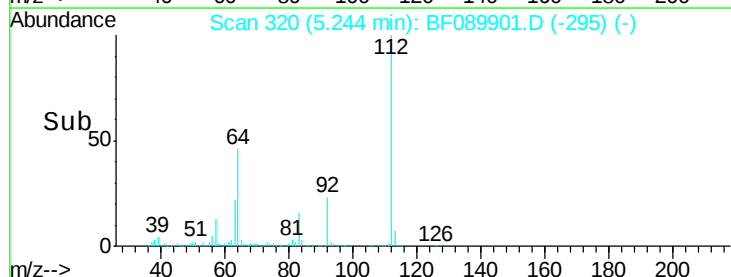
63 21.9 23.1 34.7#

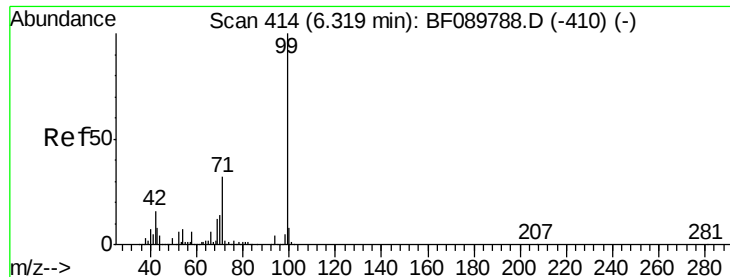


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.44 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-21A-GW

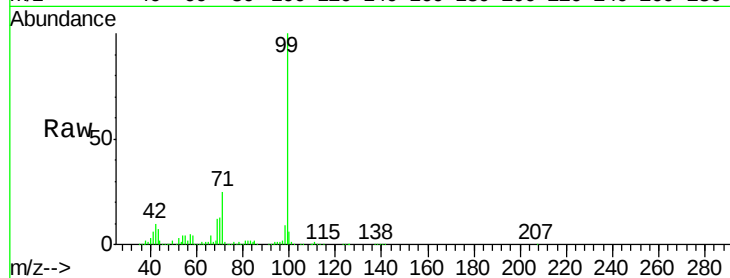
Tgt Ion: 99 Resp: 1402303

Ion Ratio Lower Upper

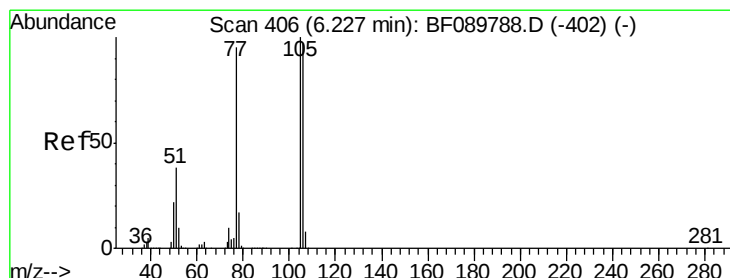
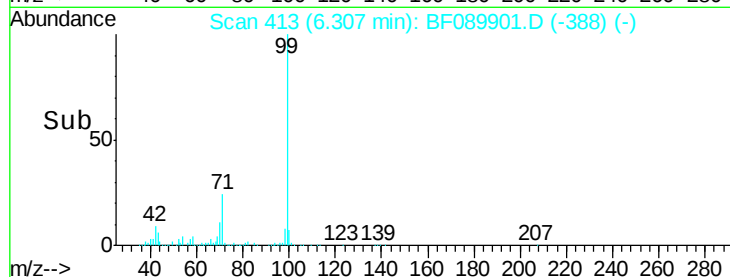
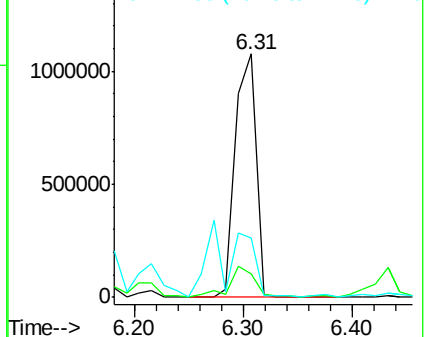
99 100

42 9.7 12.2 18.4#

71 24.6 23.8 35.8



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: 2.83 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.21 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

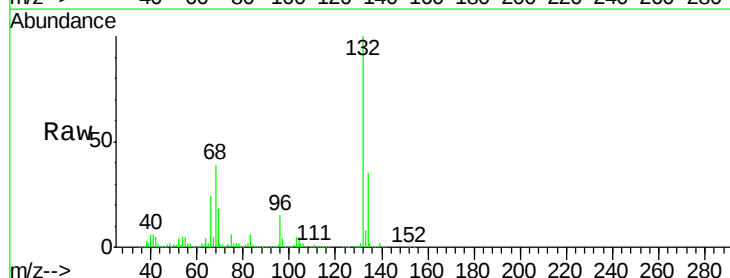
Tgt Ion: 77 Resp: 59508

Ion Ratio Lower Upper

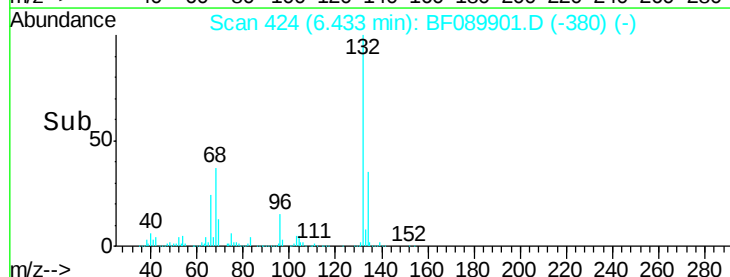
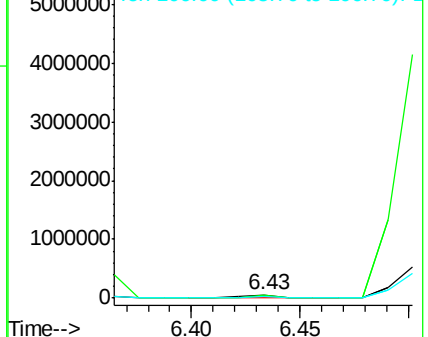
77 100

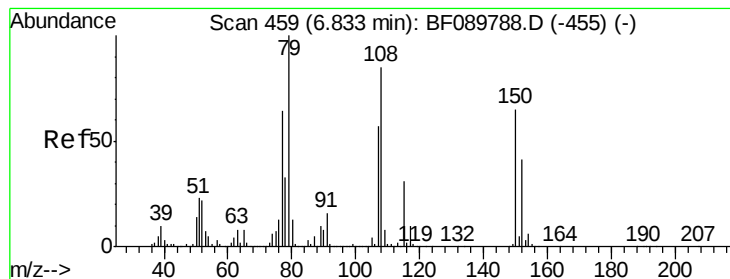
105 77.7 73.3 113.3

106 70.6 68.6 108.6



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





#15

Benzyl Alcohol

Concen: 2.65 ng

RT: 6.83 min Scan# 459

Delta R.T. -0.00 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-21A-GW

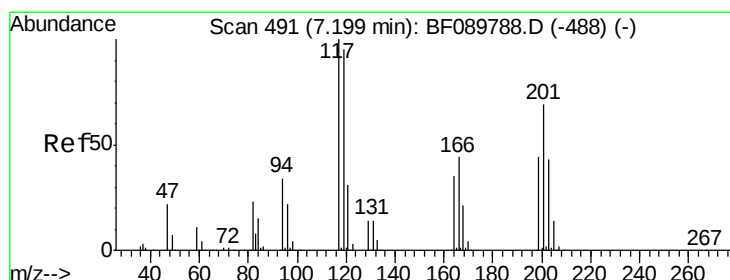
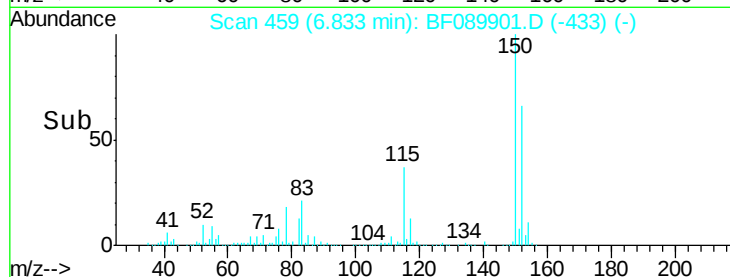
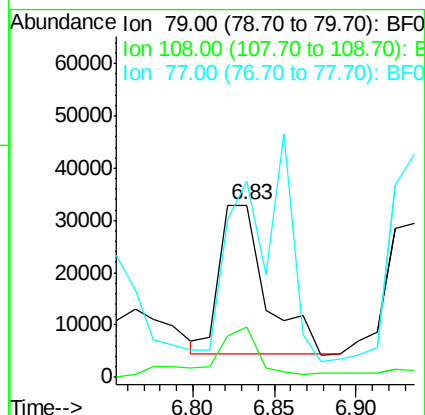
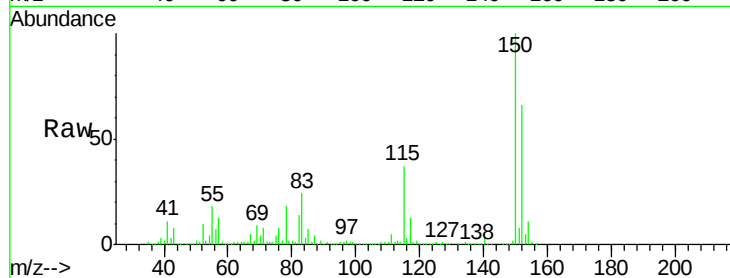
Tgt Ion: 79 Resp: 56692

Ion Ratio Lower Upper

79 100

108 29.2 62.5 93.7#

77 113.7 51.5 77.3#



#18

Hexachloroethane

Concen: 16.62 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.02 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

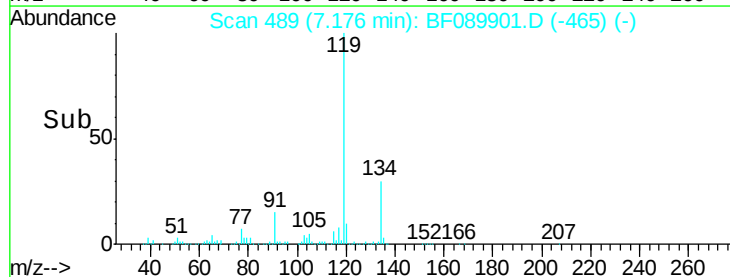
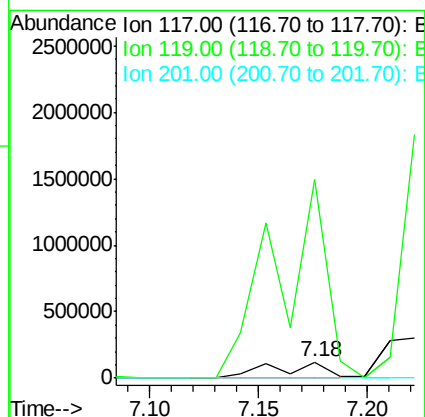
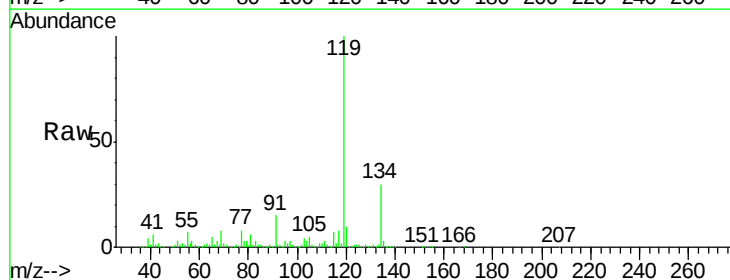
Tgt Ion: 117 Resp: 200373

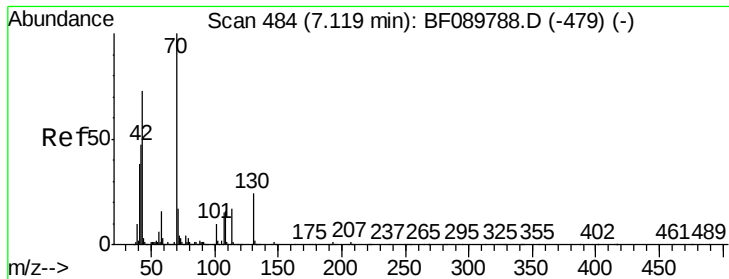
Ion Ratio Lower Upper

117 100

119 1257.2 77.1 115.7#

201 0.0 76.9 115.3#

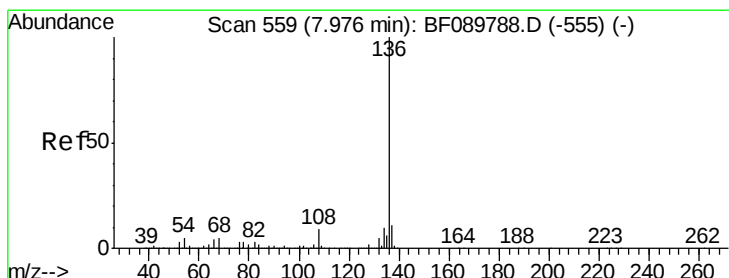
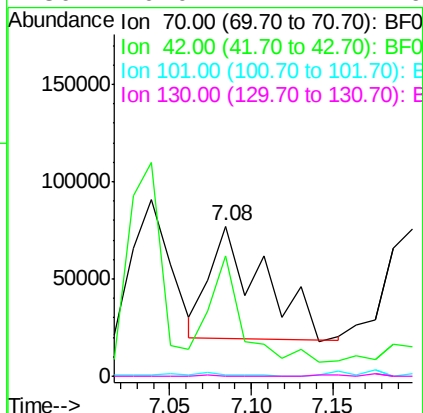
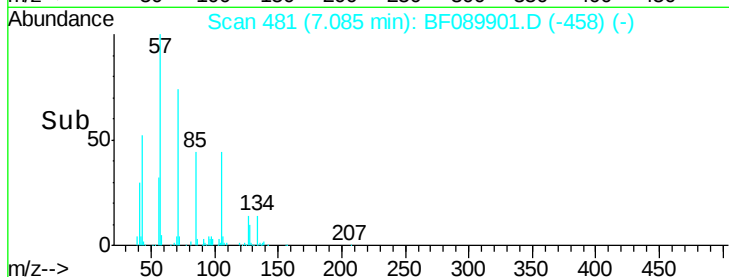
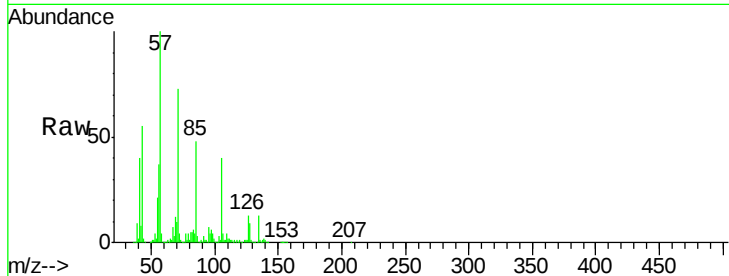




#19
n-Nitroso-di-n-propylamine
Concen: 6.41 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.03 min
Lab File: BF089901.D
Acq: 25 Aug 2016 4:39

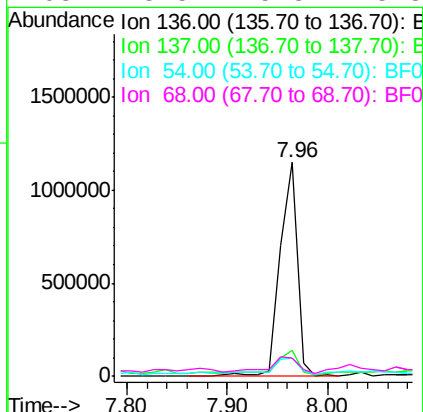
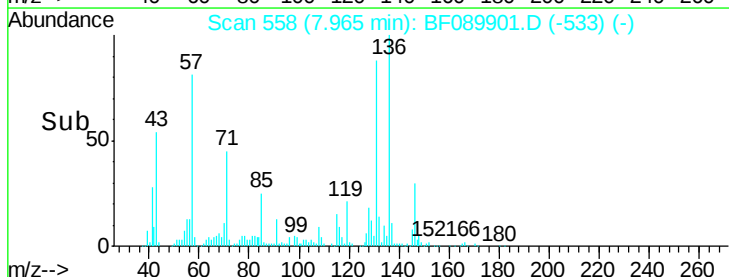
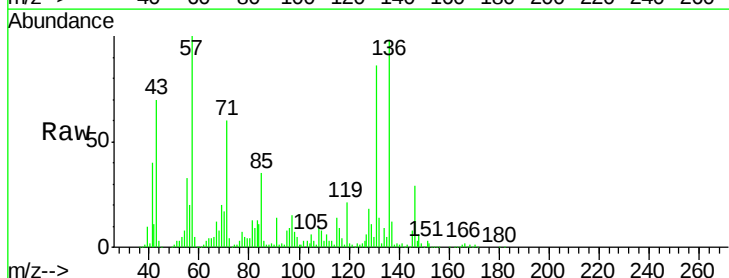
Instrument :
BNA_F
ClientSampleId :
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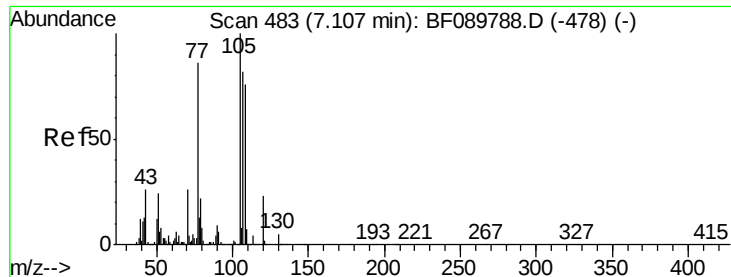
Tgt Ion: 70 Resp: 132352
Ion Ratio Lower Upper
70 100
42 79.9 46.3 69.5#
101 0.6 7.0 10.6#
130 0.0 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF089901.D
Acq: 25 Aug 2016 4:39

Tgt Ion: 136 Resp: 1359924
Ion Ratio Lower Upper
136 100
137 12.2 9.2 13.8
54 8.2 7.2 10.8
68 8.5 5.8 8.8





#22

Acetophenone

Concen: 32.85 ng

RT: 7.07 min Scan# 480

Delta R.T. -0.03 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-21A-GW

Tgt Ion:105 Resp: 1025889

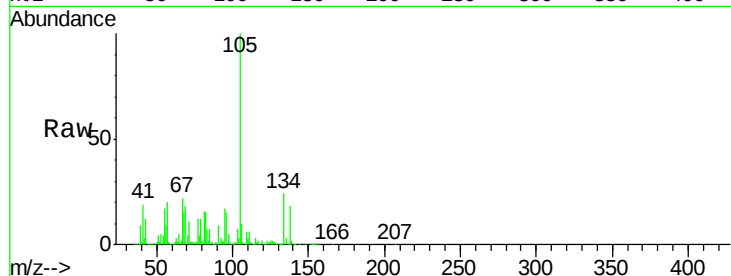
Ion Ratio Lower Upper

105 100

71 11.4 1.9 2.9#

51 3.9 28.5 42.7#

120 0.2 16.6 25.0#

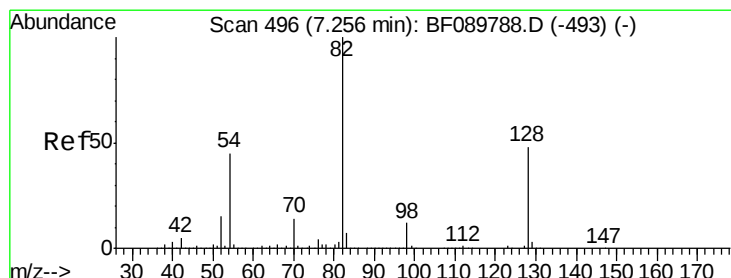
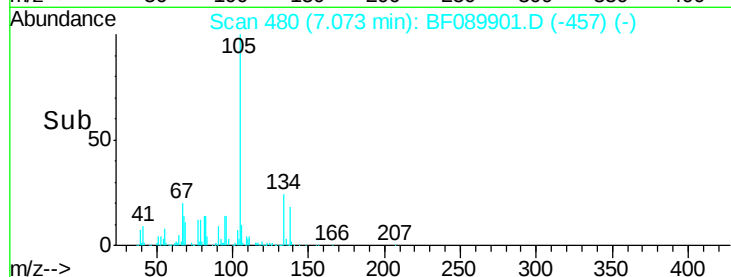
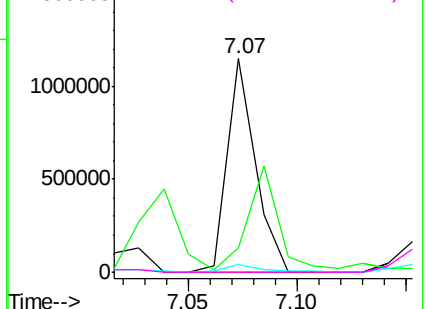


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 108.91 ng

RT: 7.24 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

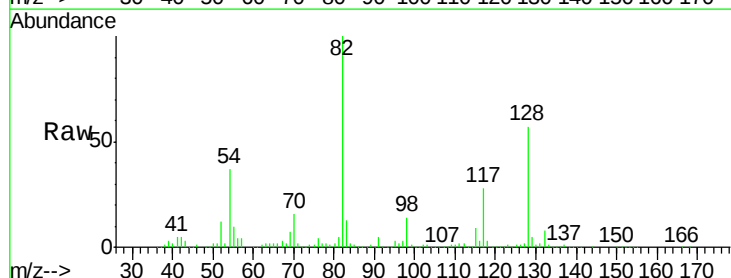
Tgt Ion: 82 Resp: 2383979

Ion Ratio Lower Upper

82 100

128 56.5 34.4 51.6#

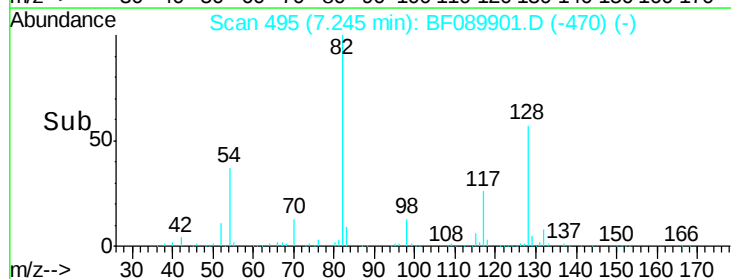
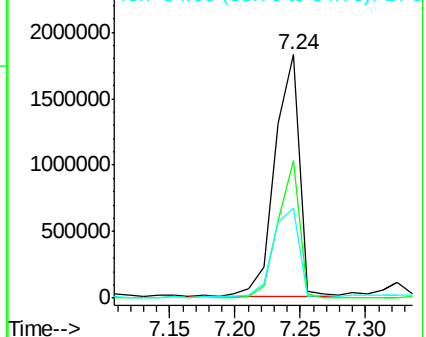
54 37.1 40.3 60.5#

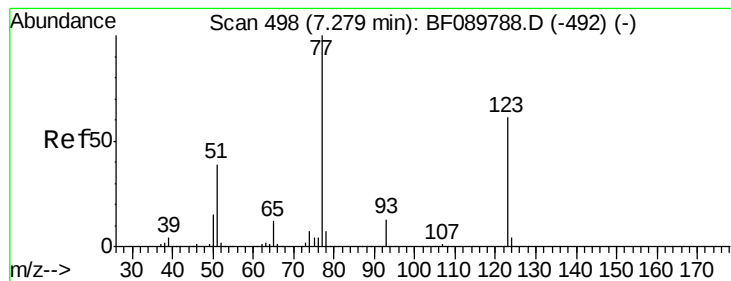


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 8.28 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.06 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

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ClientSampleId :

SB-21A-GW

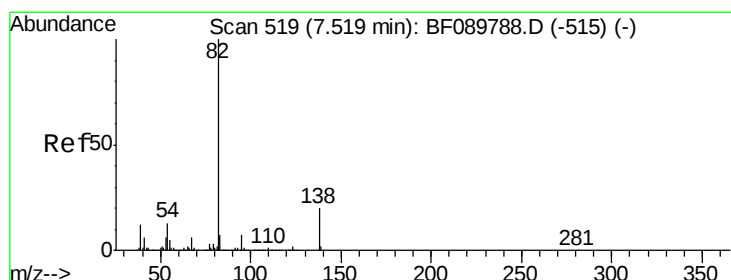
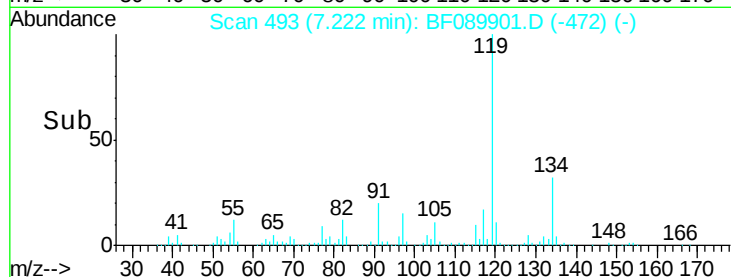
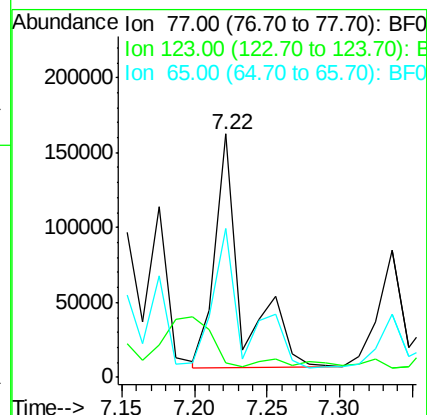
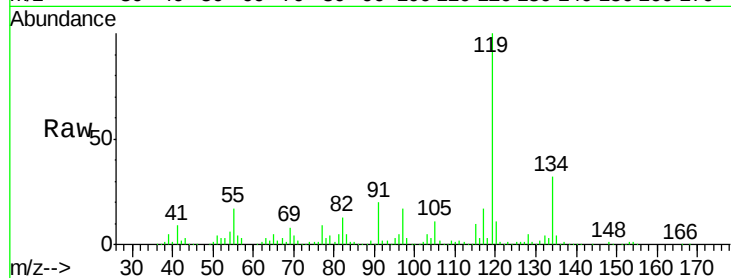
Tgt Ion: 77 Resp: 203363

Ion Ratio Lower Upper

77 100

123 5.9 36.2 54.2#

65 61.3 10.6 15.8#



#25

Isophorone

Concen: 3.38 ng

RT: 7.48 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

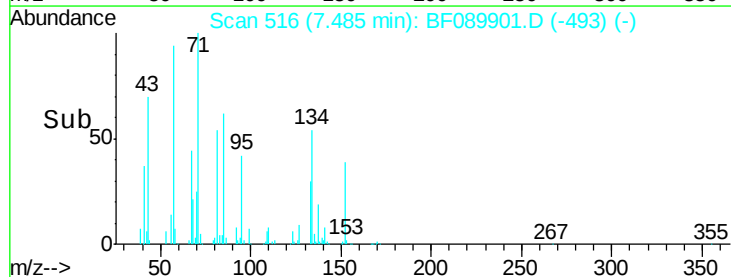
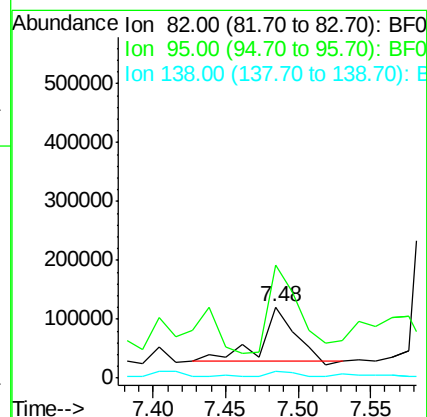
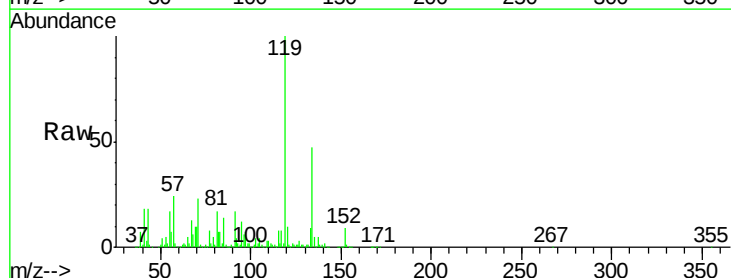
Tgt Ion: 82 Resp: 149231

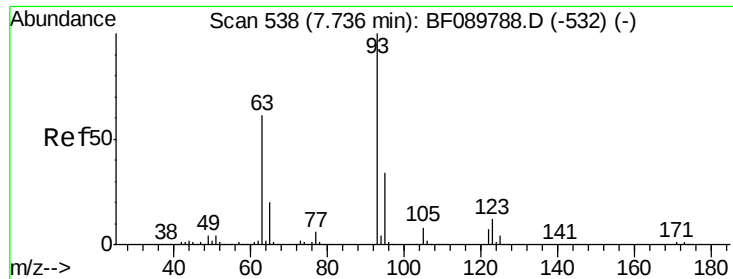
Ion Ratio Lower Upper

82 100

95 158.7 5.3 7.9#

138 9.4 13.0 19.4#

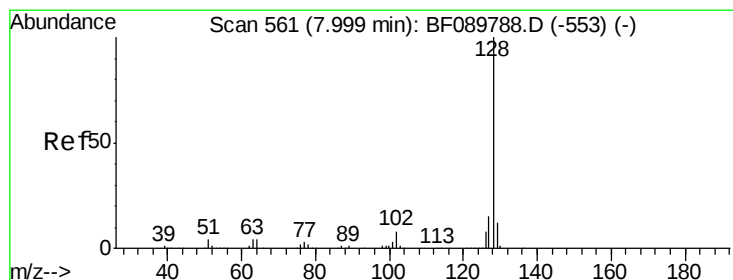
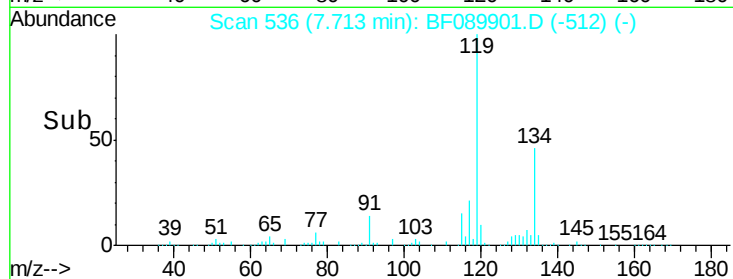
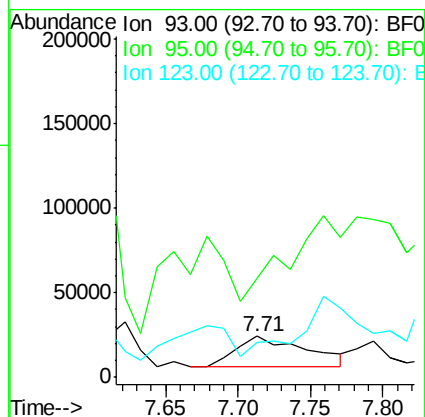
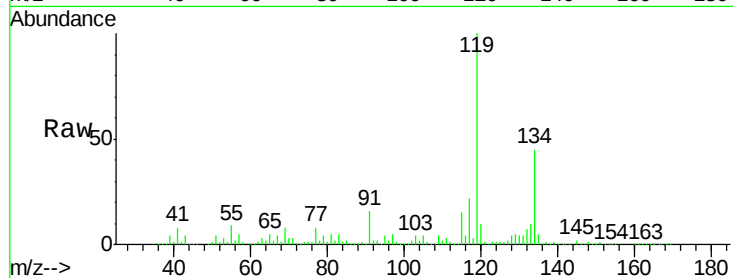




#28
bis(2-Chloroethoxy)methane
Concen: 2.27 ng
RT: 7.71 min Scan# 536
Delta R.T. -0.02 min
Lab File: BF089901.D
Acq: 25 Aug 2016 4:39

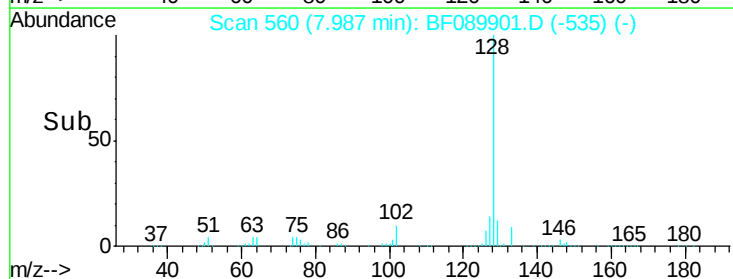
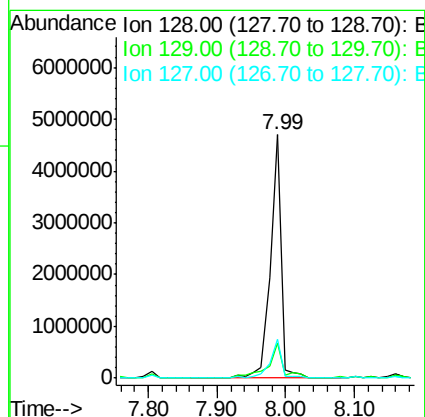
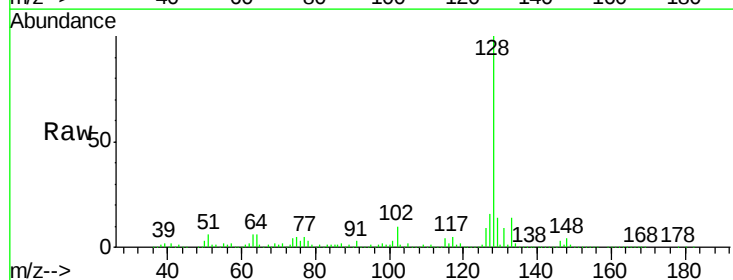
Instrument :
BNA_F
ClientSampleId :
SB-21A-GW

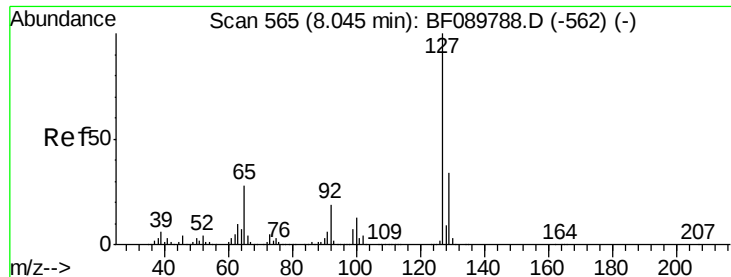
Tgt Ion: 93 Resp: 61875
Ion Ratio Lower Upper
93 100
95 240.1 25.5 38.3#
123 85.9 8.5 12.7#



#31
Naphthalene
Concen: 80.67 ng
RT: 7.99 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF089901.D
Acq: 25 Aug 2016 4:39

Tgt Ion: 128 Resp: 5127179
Ion Ratio Lower Upper
128 100
129 14.3 9.5 14.3#
127 16.0 11.3 16.9

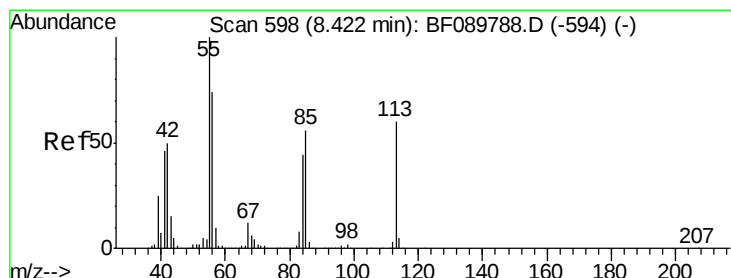
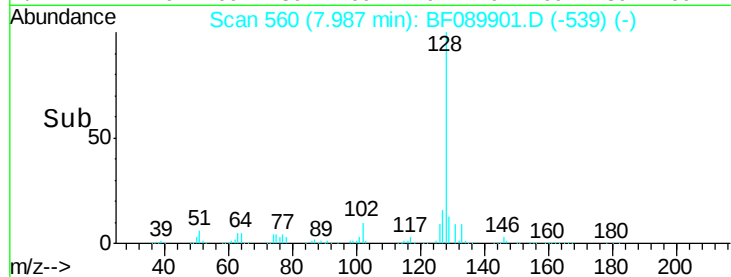
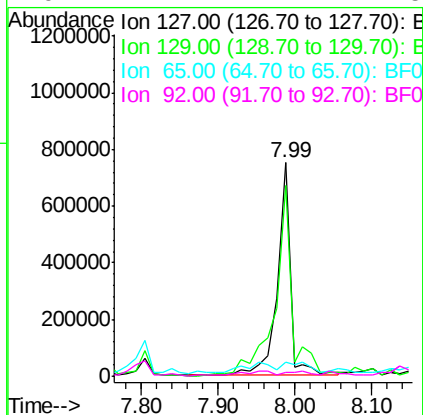
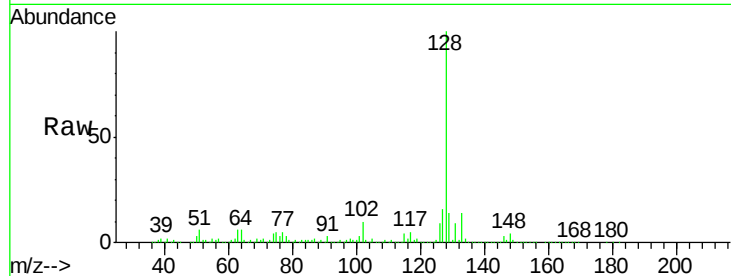




#33
4-Chloroaniline
Concen: 32.53 ng
RT: 7.99 min Scan# 560
Delta R.T. -0.06 min
Lab File: BF089901.D
Acq: 25 Aug 2016 4:39

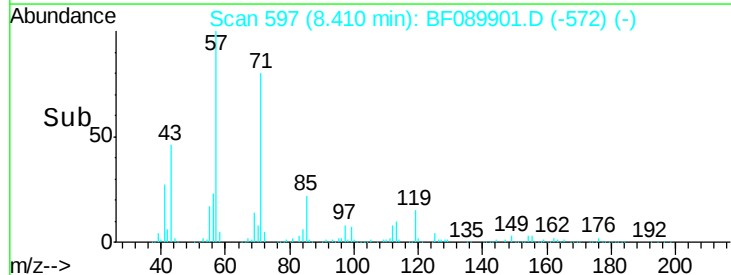
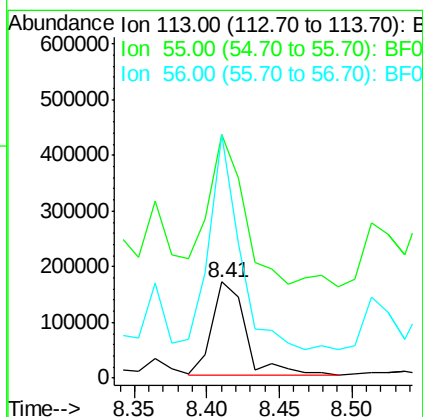
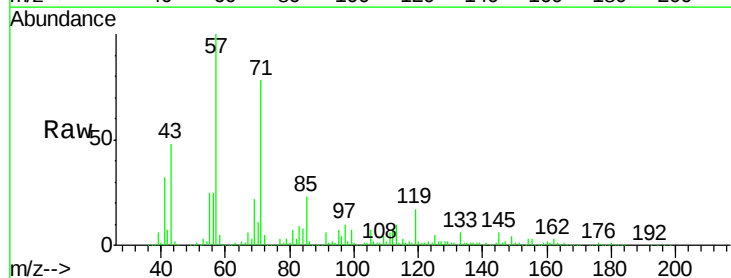
Instrument :
BNA_F
ClientSampleId :
SB-21A-GW

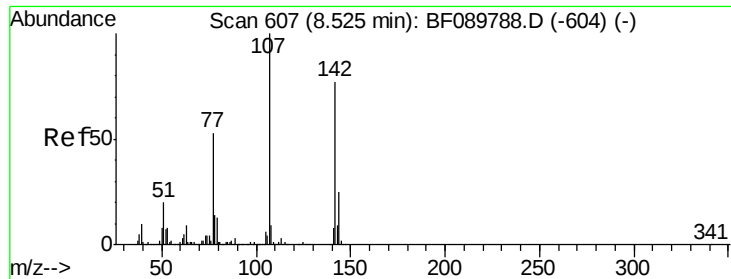
Tgt Ion:	127	Resp:	896185
Ion	Ratio	Lower	Upper
127	100		
129	89.4	27.0	40.6#
65	6.8	14.7	22.1#
92	2.1	11.7	17.5#



#35
Caprolactam
Concen: 47.91 ng
RT: 8.41 min Scan# 597
Delta R.T. -0.01 min
Lab File: BF089901.D
Acq: 25 Aug 2016 4:39

Tgt Ion:	113	Resp:	270368
Ion	Ratio	Lower	Upper
113	100		
55	252.7	135.9	175.9#
56	252.4	93.9	133.9#





#36

4-Chloro-3-methylphenol

Concen: 2.43 ng

RT: 8.49 min Scan# 604

Delta R.T. -0.03 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-21A-GW

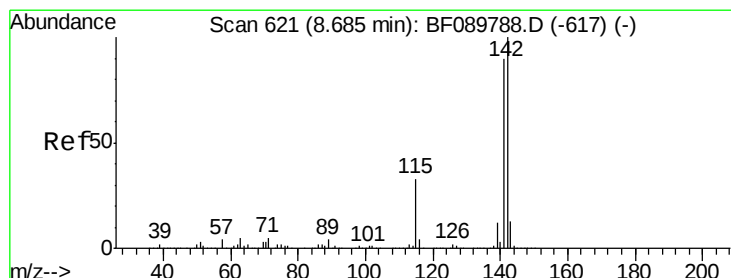
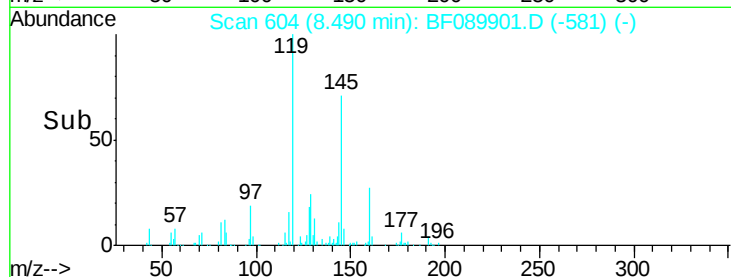
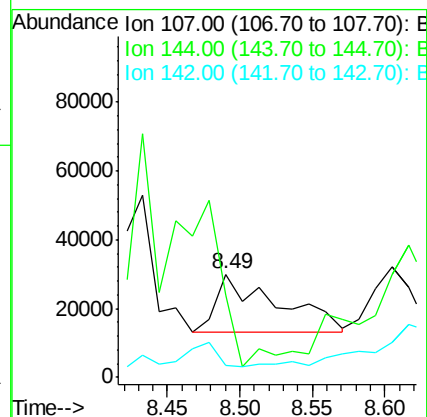
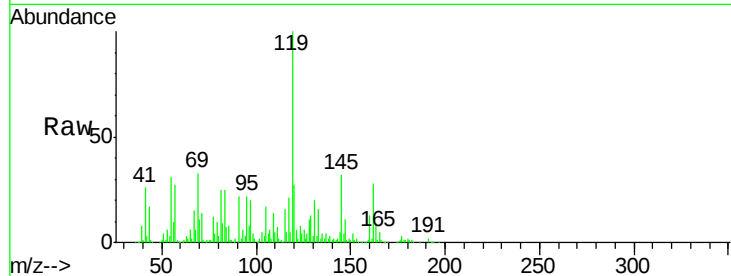
Tgt Ion:107 Resp: 48775

Ion Ratio Lower Upper

107 100

144 80.1 22.6 34.0#

142 11.9 69.3 103.9#



#37

2-Methylnaphthalene

Concen: 163.43 ng

RT: 8.68 min Scan# 621

Delta R.T. -0.00 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

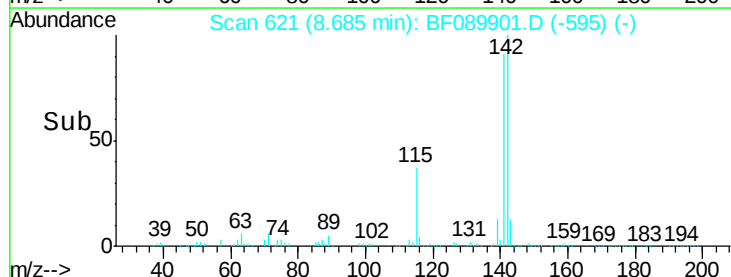
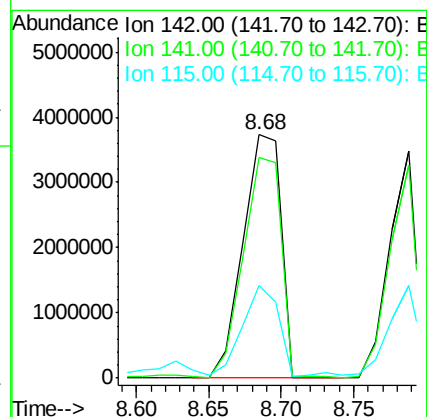
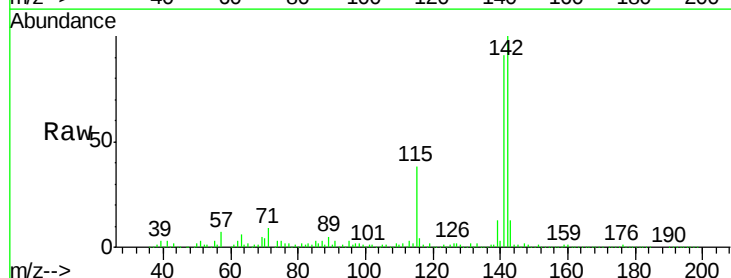
Tgt Ion:142 Resp: 6720104

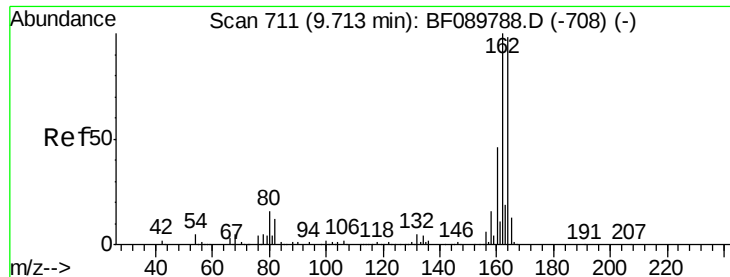
Ion Ratio Lower Upper

142 100

141 90.8 71.4 107.2

115 38.0 22.7 34.1#

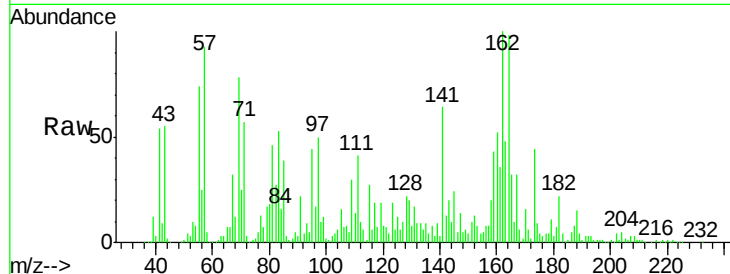




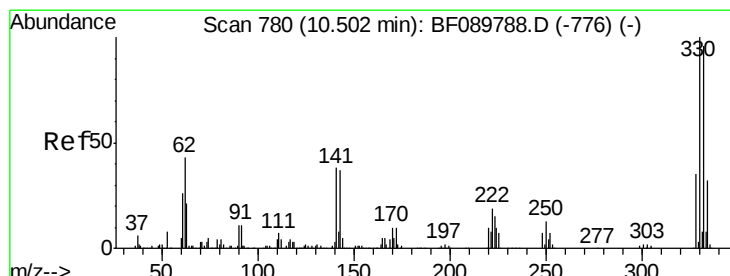
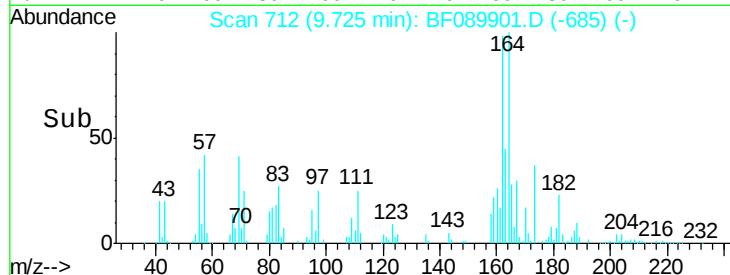
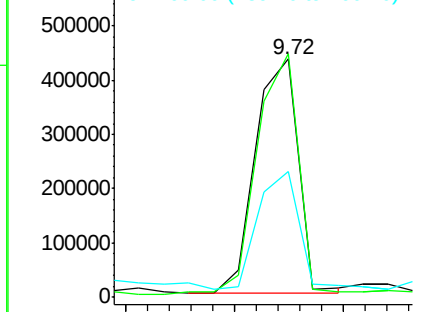
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.72 min Scan# 712
 Delta R.T. 0.01 min
 Lab File: BF089901.D
 Acq: 25 Aug 2016 4:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-21A-GW

Tgt Ion:164 Resp: 591910
 Ion Ratio Lower Upper
 164 100
 162 102.3 81.4 122.2
 160 52.9 37.8 56.6

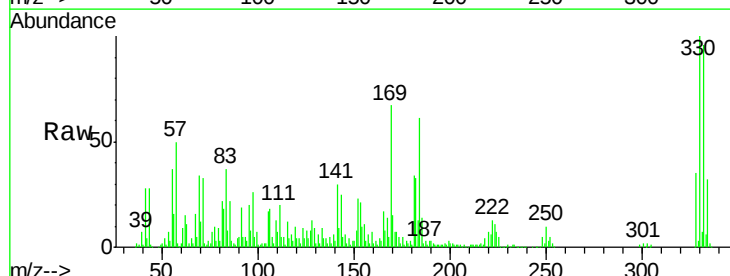


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

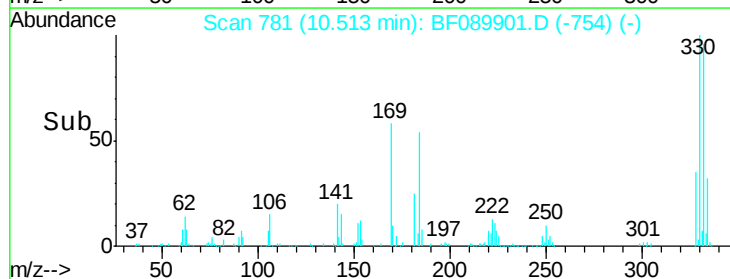
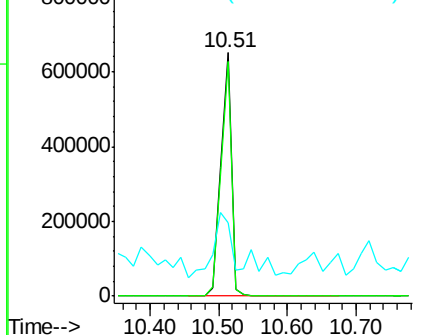


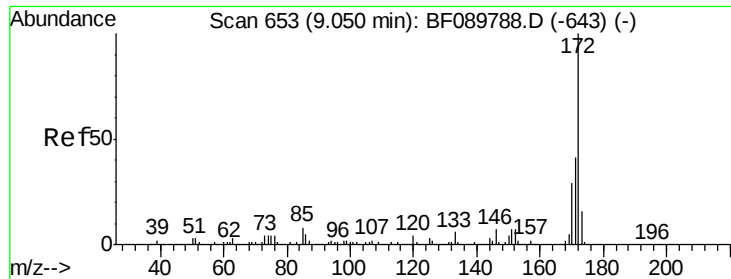
#41
 2,4,6-Tribromophenol
 Concen: 128.56 ng
 RT: 10.51 min Scan# 781
 Delta R.T. 0.01 min
 Lab File: BF089901.D
 Acq: 25 Aug 2016 4:39

Tgt Ion:330 Resp: 723157
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.7 115.1
 141 44.5 30.2 45.2



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

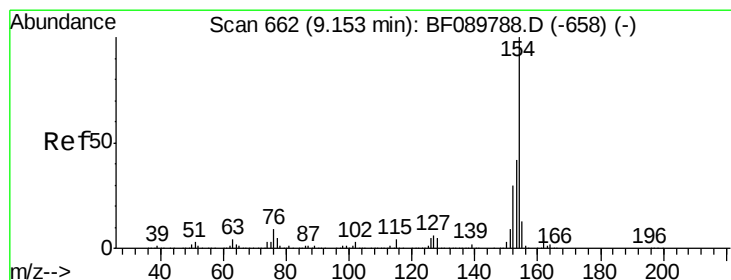
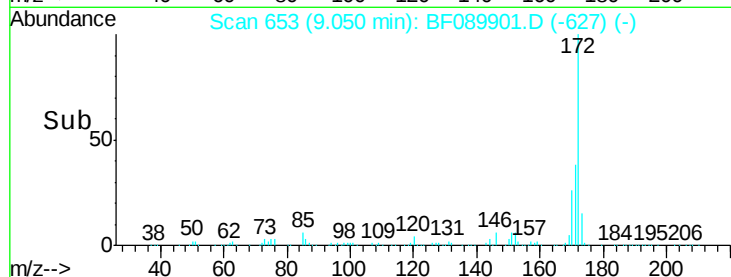
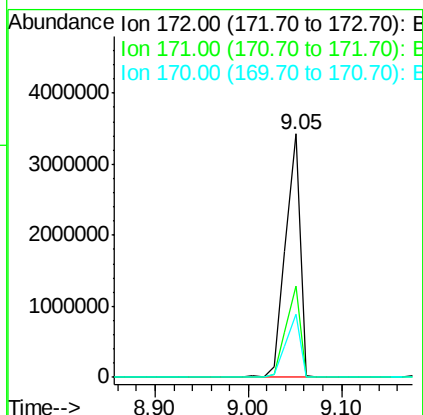
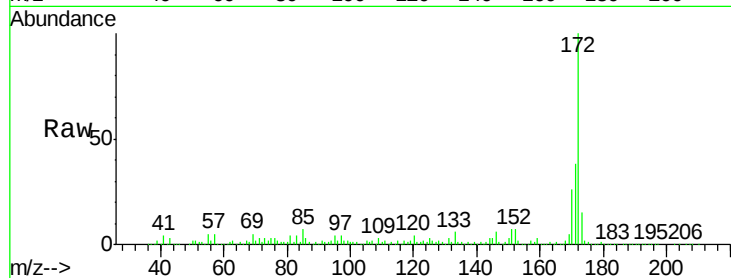




#44
 2-Fluorobiphenyl
 Concen: 110.21 ng
 RT: 9.05 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: BF089901.D
 Acq: 25 Aug 2016 4:39

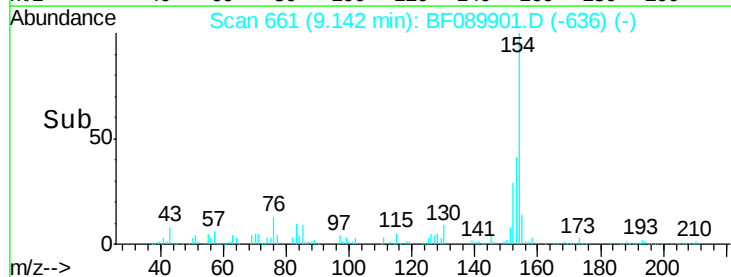
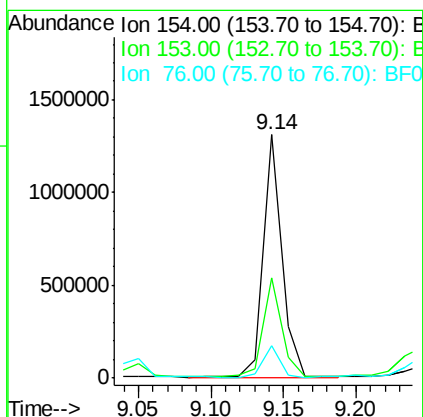
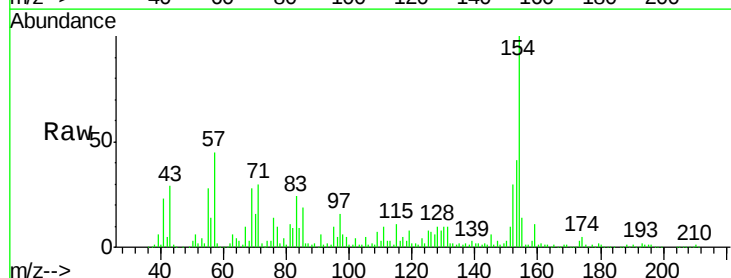
Instrument :
 BNA_F
 ClientSampleId :
 SB-21A-GW

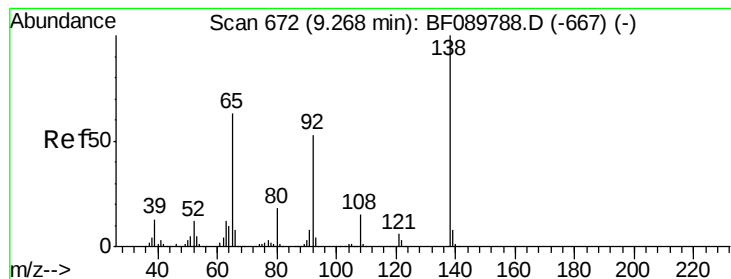
Tgt Ion:172 Resp: 3711752
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.5 45.7
 170 26.0 20.6 31.0



#45
 1,1'-Biphenyl
 Concen: 25.27 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.01 min
 Lab File: BF089901.D
 Acq: 25 Aug 2016 4:39

Tgt Ion:154 Resp: 1157715
 Ion Ratio Lower Upper
 154 100
 153 41.3 21.5 61.5
 76 13.6 0.0 36.7





#47

2-Nitroaniline

Concen: 2.34 ng

RT: 9.24 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-21A-GW

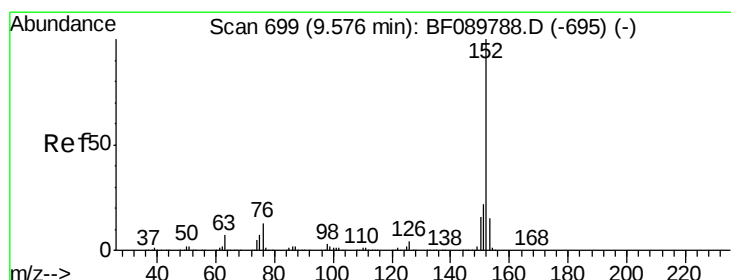
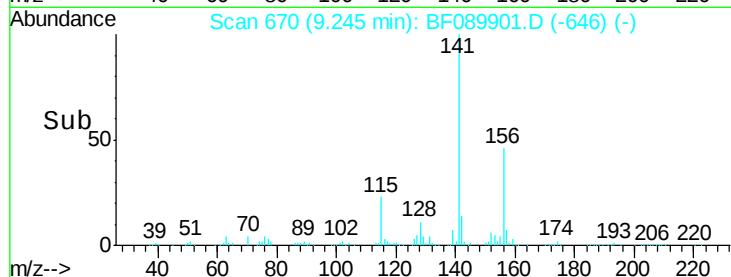
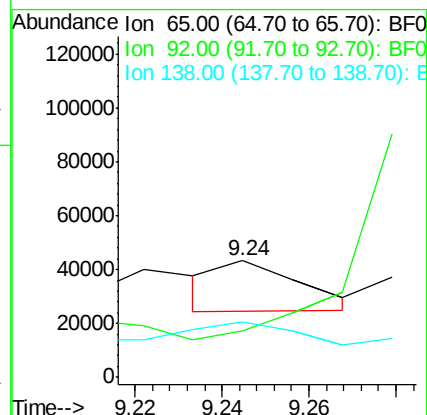
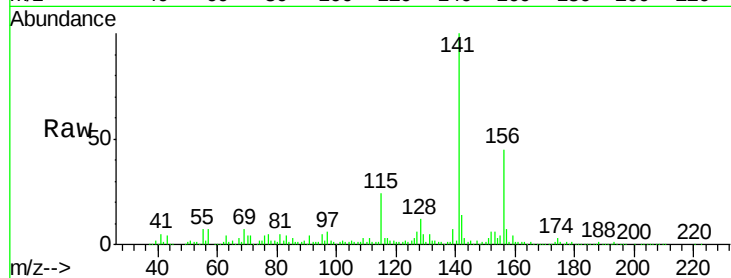
Tgt Ion: 65 Resp: 24158

Ion Ratio Lower Upper

65 100

92 39.4 56.3 84.5#

138 48.0 81.8 122.8#



#48

Acenaphthylene

Concen: 3.84 ng

RT: 9.59 min Scan# 700

Delta R.T. 0.01 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

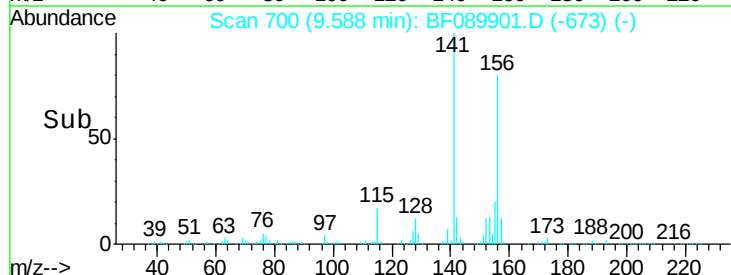
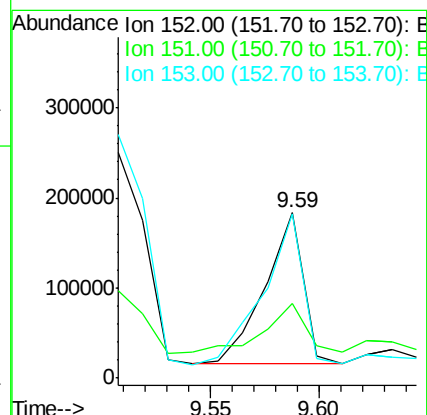
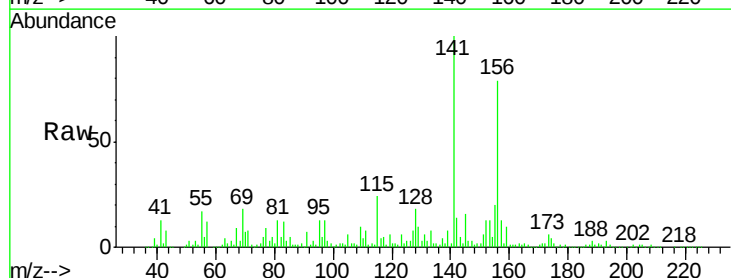
Tgt Ion: 152 Resp: 209174

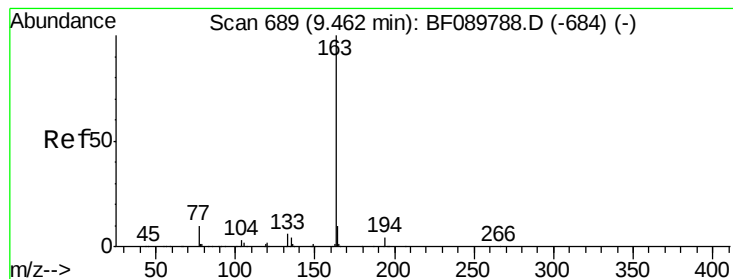
Ion Ratio Lower Upper

152 100

151 45.3 17.1 25.7#

153 99.4 11.2 16.8#





#49

Dimethylphthalate

Concen: 11.16 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-21A-GW

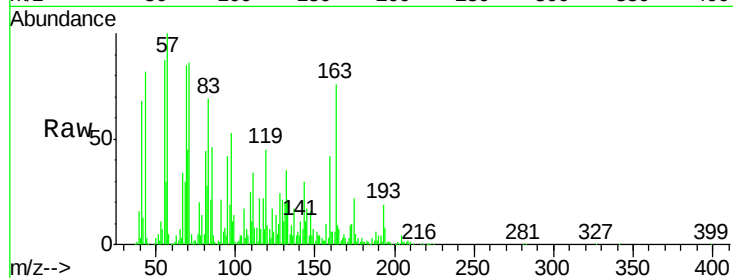
Tgt Ion:163 Resp: 465008

Ion Ratio Lower Upper

163 100

194 10.8 2.6 3.8#

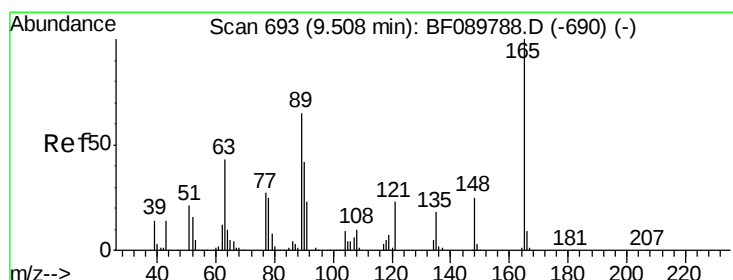
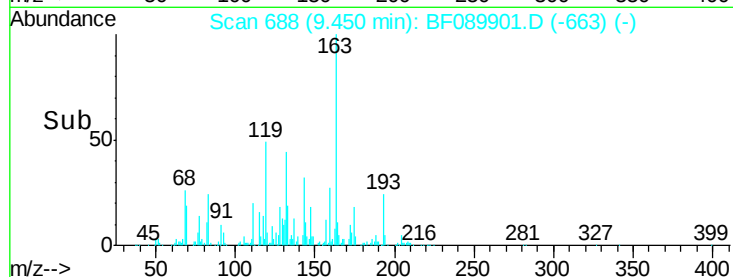
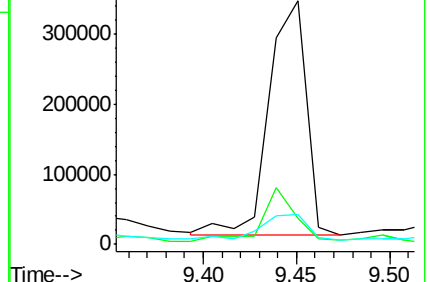
164 12.2 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 2.31 ng

RT: 9.50 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

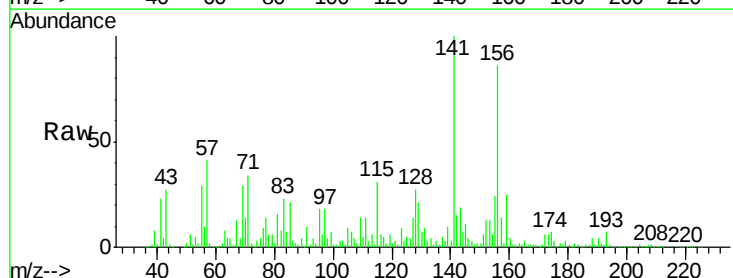
Tgt Ion:165 Resp: 22213

Ion Ratio Lower Upper

165 100

63 251.9 41.7 62.5#

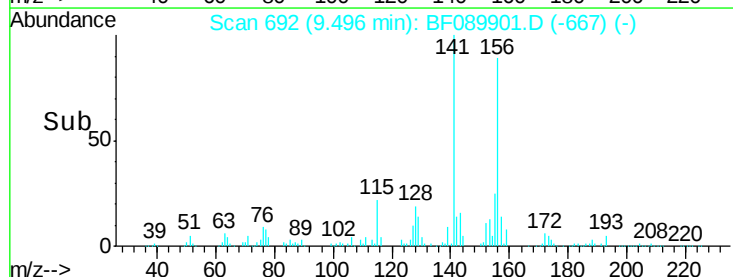
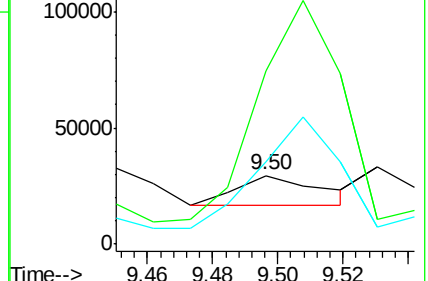
89 120.4 44.6 67.0#

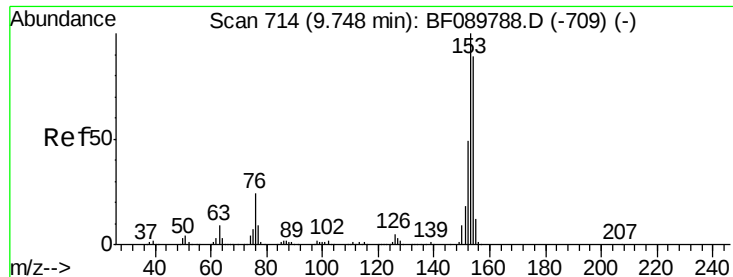


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 14.65 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.00 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-21A-GW

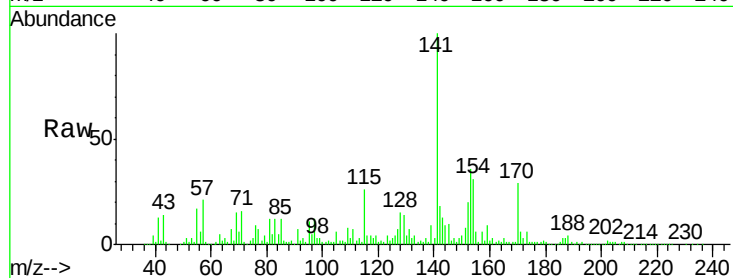
Tgt Ion:154 Resp: 527580

Ion Ratio Lower Upper

154 100

153 118.7 90.5 135.7

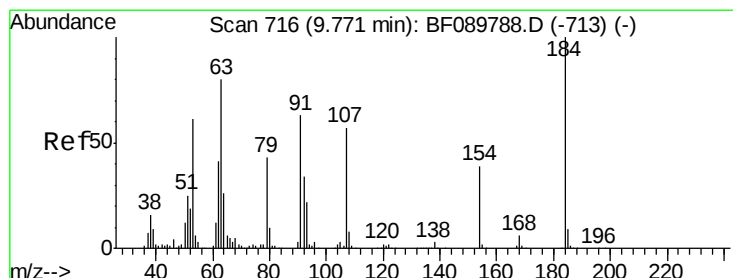
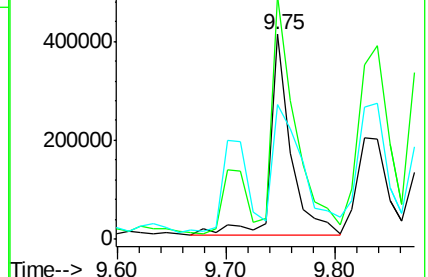
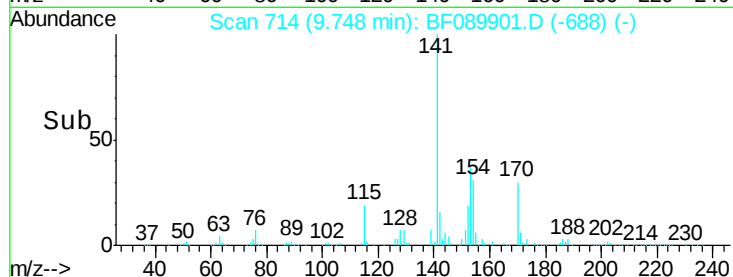
152 65.5 44.6 67.0



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



#53

2,4-Dinitrophenol

Concen: 2.61 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.05 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

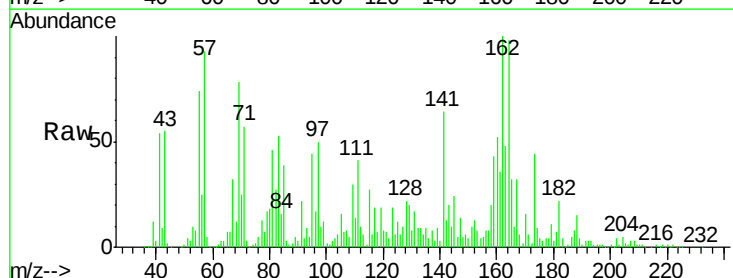
Tgt Ion:184 Resp: 1513

Ion Ratio Lower Upper

184 100

63 875.7 54.2 81.4#

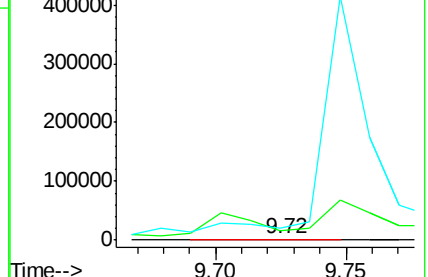
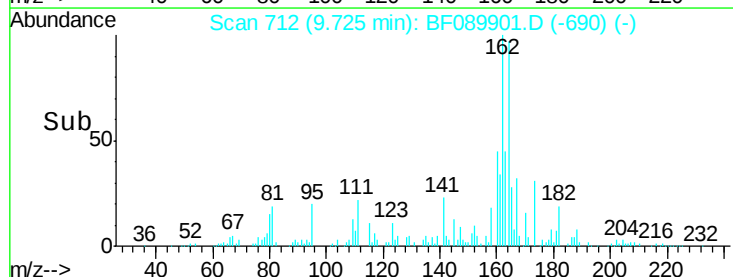
154 1141.4 52.7 79.1#

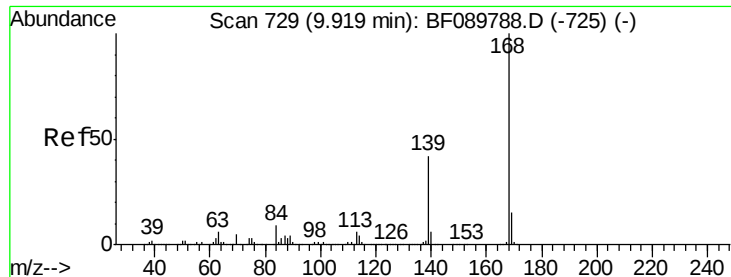


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

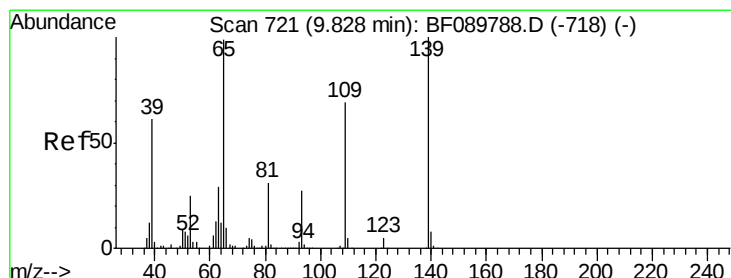
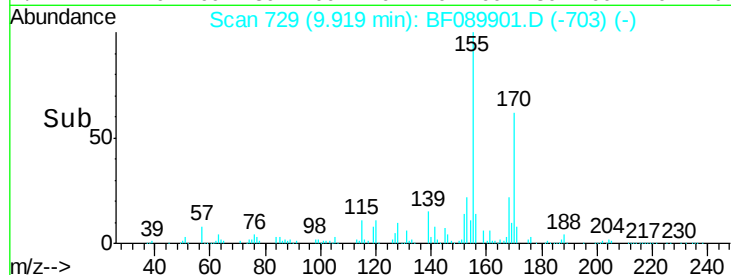
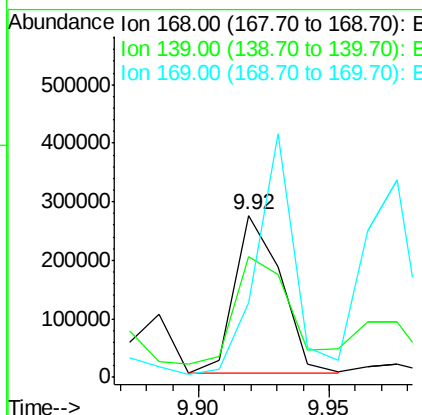
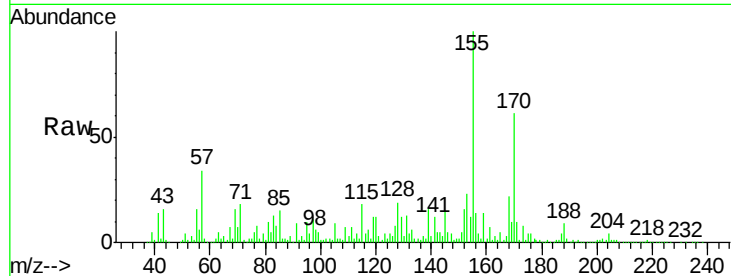




#54
Dibenzofuran
Concen: 7.38 ng
RT: 9.92 min Scan# 729
Delta R.T. -0.00 min
Lab File: BF089901.D
Acq: 25 Aug 2016 4:39

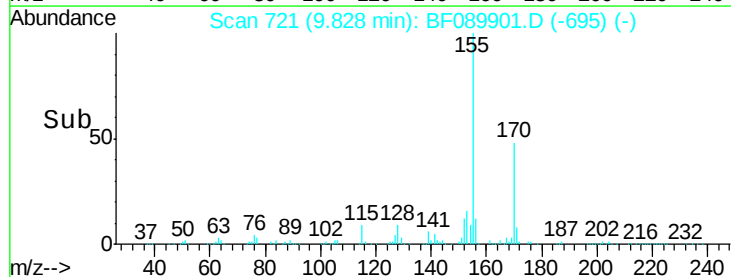
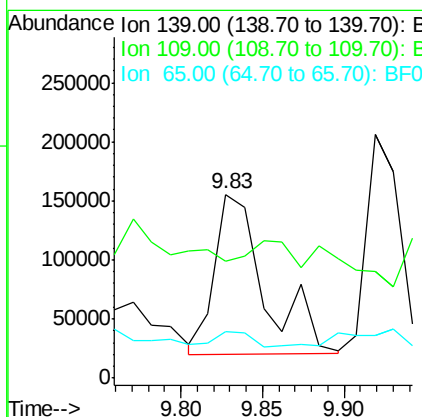
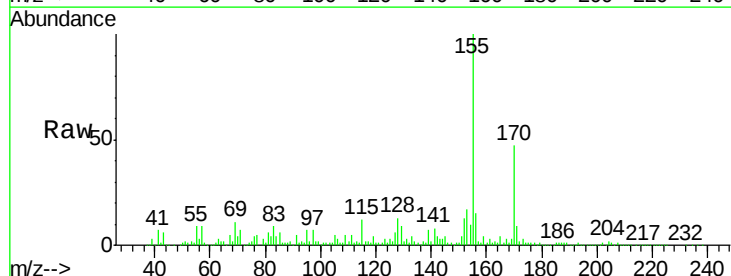
Instrument :
BNA_F
ClientSampleId :
SB-21A-GW

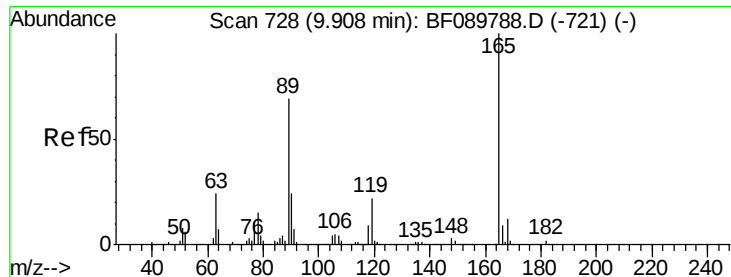
Tgt Ion:168 Resp: 333611
Ion Ratio Lower Upper
168 100
139 74.4 34.6 52.0#
169 45.8 11.5 17.3#



#55
4-Nitrophenol
Concen: 32.97 ng
RT: 9.83 min Scan# 721
Delta R.T. 0.00 min
Lab File: BF089901.D
Acq: 25 Aug 2016 4:39

Tgt Ion:139 Resp: 286844
Ion Ratio Lower Upper
139 100
109 63.9 43.0 83.0
65 25.1 55.7 95.7#

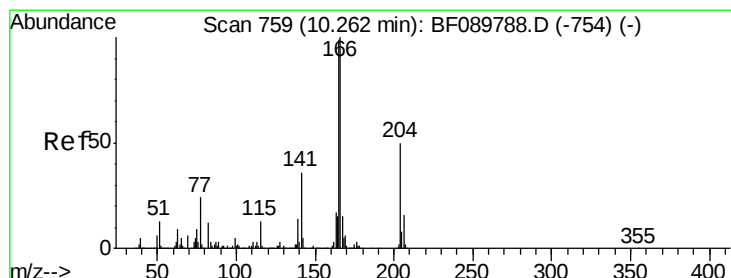
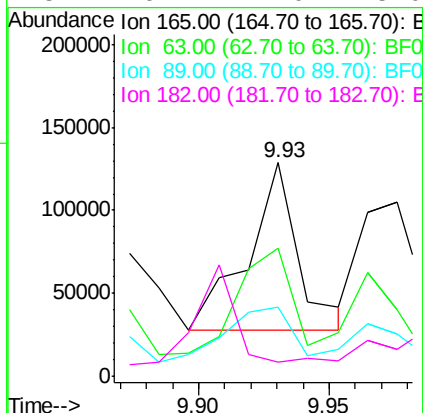
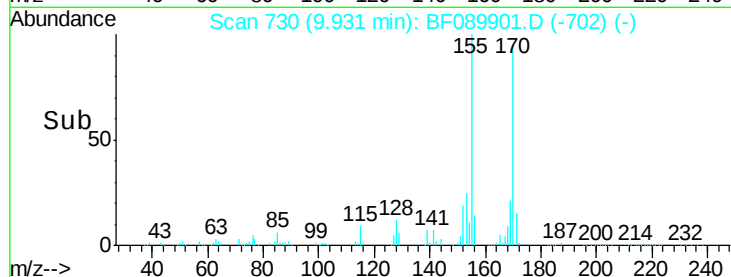
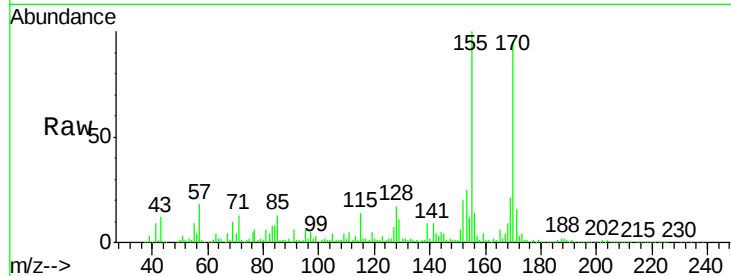




#56
 2,4-Dinitrotoluene
 Concen: 11.05 ng
 RT: 9.93 min Scan# 730
 Delta R.T. 0.02 min
 Lab File: BF089901.D
 Acq: 25 Aug 2016 4:39

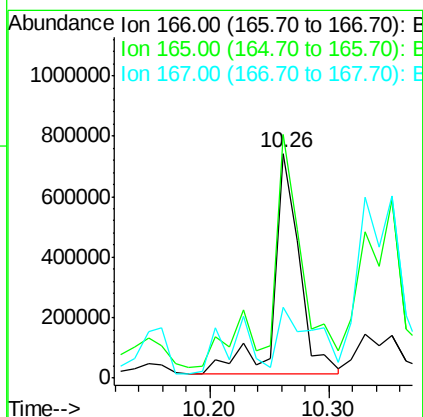
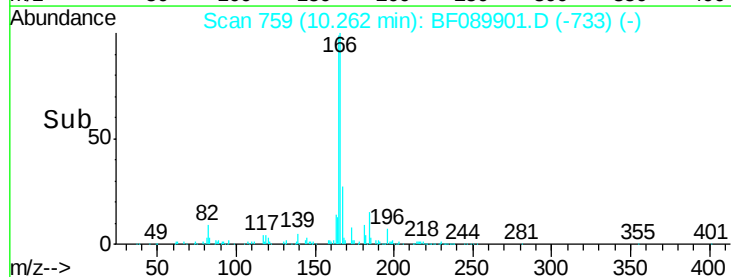
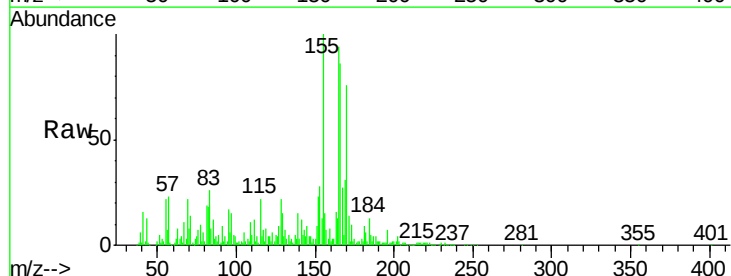
Instrument :
 BNA_F
 ClientSampleId :
 SB-21A-GW

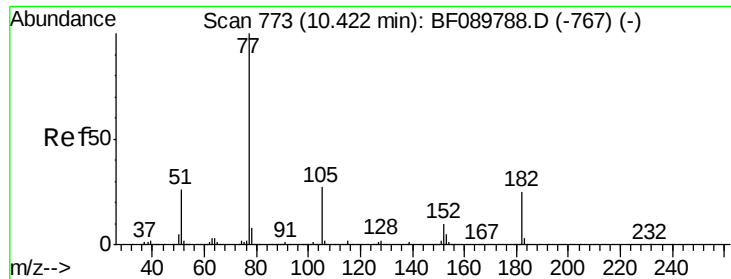
Tgt Ion	Ratio	Lower	Upper
165	100		
63	60.2	23.7	35.5#
89	32.5	44.0	66.0#
182	6.7	2.0	3.0#



#57
 Fluorene
 Concen: 30.11 ng
 RT: 10.26 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: BF089901.D
 Acq: 25 Aug 2016 4:39

Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.5	80.2	120.4
167	31.5	11.3	16.9#

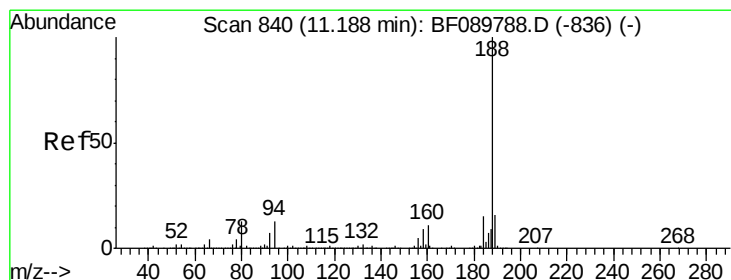
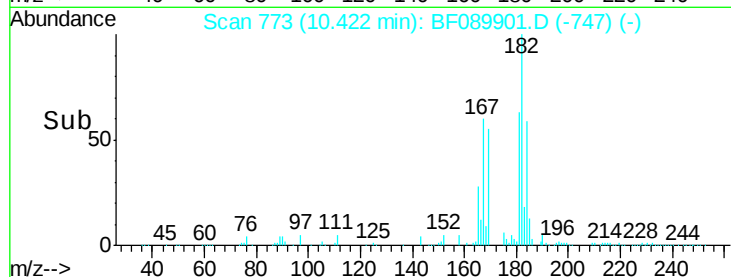
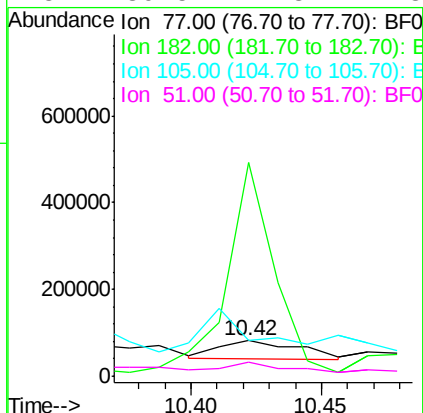
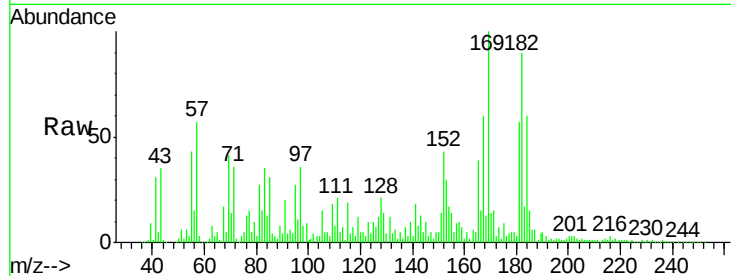




#62
Azobenzene
Concen: 2.27 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF089901.D
Acq: 25 Aug 2016 4:39

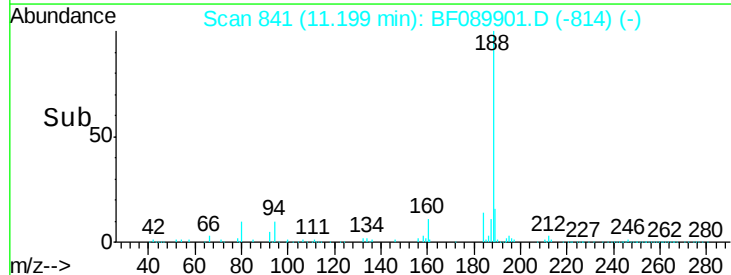
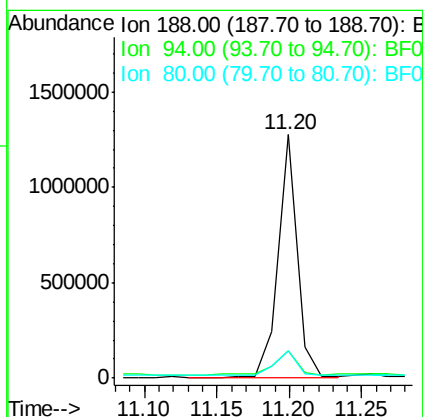
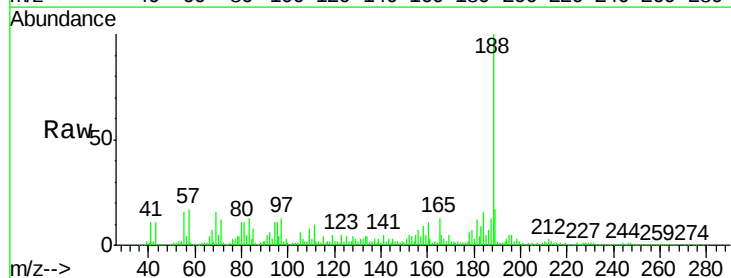
Instrument :
BNA_F
ClientSampleId :
SB-21A-GW

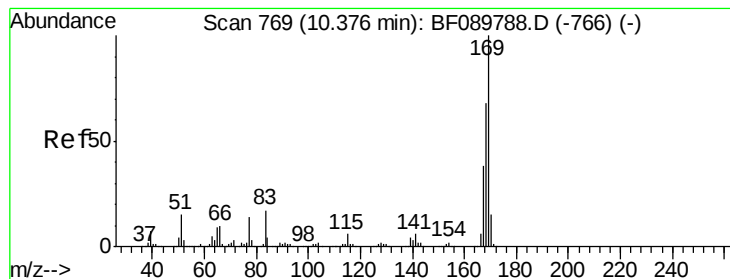
Tgt Ion:	77	Resp:	90199
Ion	Ratio	Lower	Upper
77	100		
182	599.0	5.6	45.6#
105	101.5	4.0	44.0#
51	39.5	7.8	47.8



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. 0.01 min
Lab File: BF089901.D
Acq: 25 Aug 2016 4:39

Tgt Ion:	188	Resp:	1161070
Ion	Ratio	Lower	Upper
188	100		
94	11.3	10.2	15.2
80	11.3	10.9	16.3





#65

n-Nitrosodiphenylamine

Concen: 25.19 ng

RT: 10.32 min Scan# 764

Delta R.T. -0.06 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-21A-GW

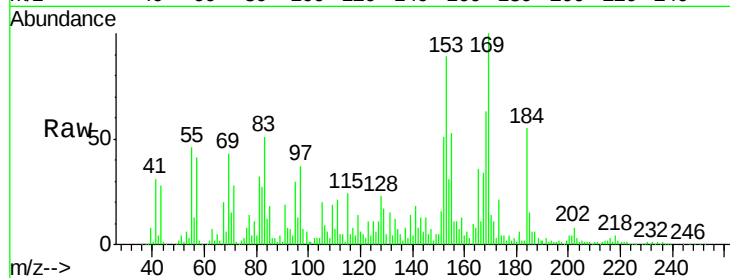
Tgt Ion:169 Resp: 919652

Ion Ratio Lower Upper

169 100

168 63.3 54.6 82.0

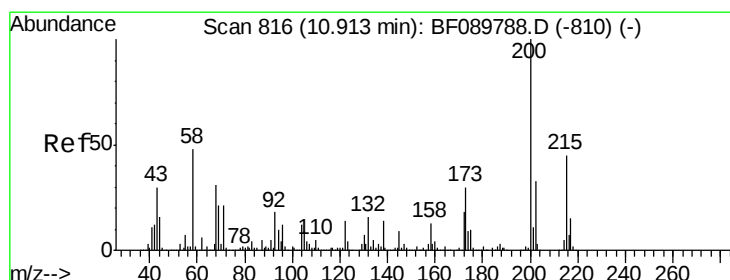
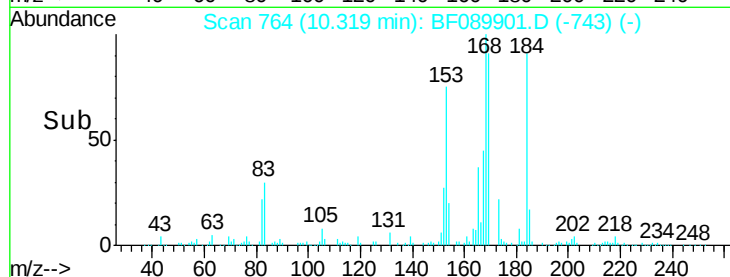
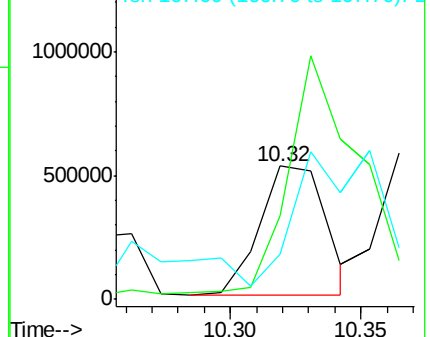
167 33.7 30.6 45.8



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



#68

Atrazine

Concen: 5.36 ng

RT: 10.92 min Scan# 817

Delta R.T. 0.01 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

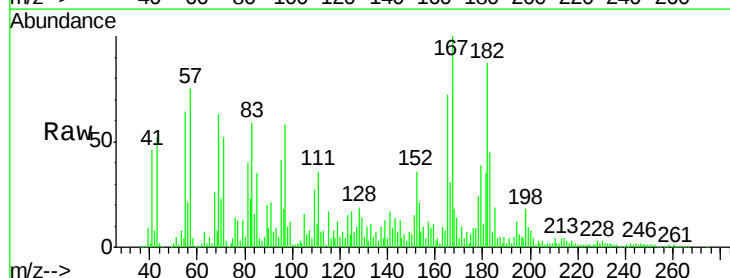
Tgt Ion:200 Resp: 59916

Ion Ratio Lower Upper

200 100

173 87.3 6.6 46.6#

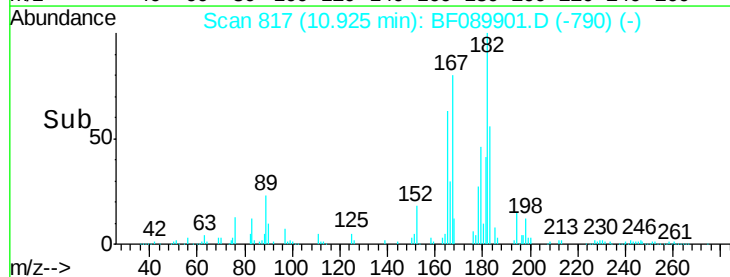
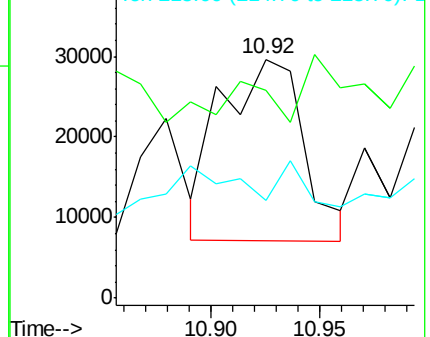
215 41.0 24.7 64.7

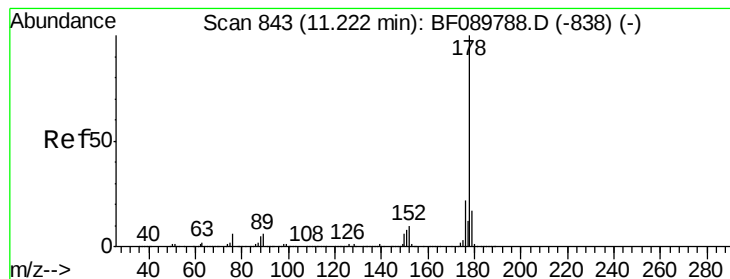


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 42.14 ng

RT: 11.22 min Scan# 843

Delta R.T. -0.00 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-21A-GW

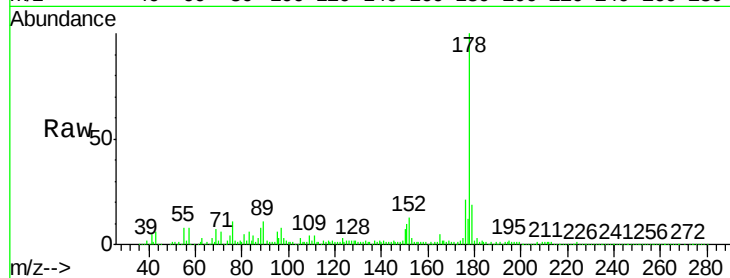
Tgt Ion:178 Resp: 2471136

Ion Ratio Lower Upper

178 100

176 20.9 16.4 24.6

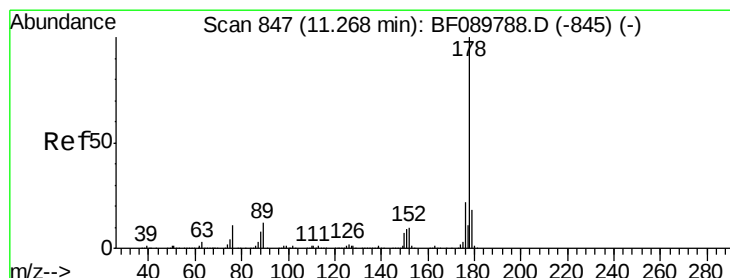
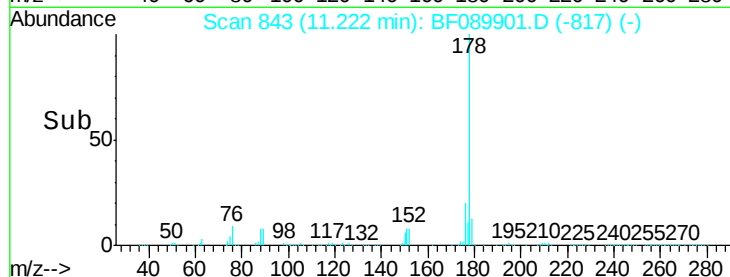
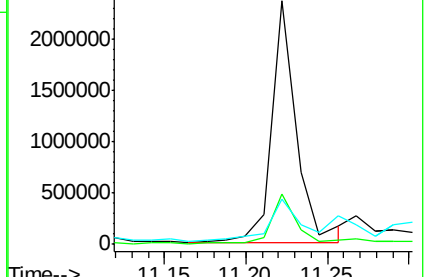
179 18.8 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 41.45 ng

RT: 11.22 min Scan# 843

Delta R.T. -0.05 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

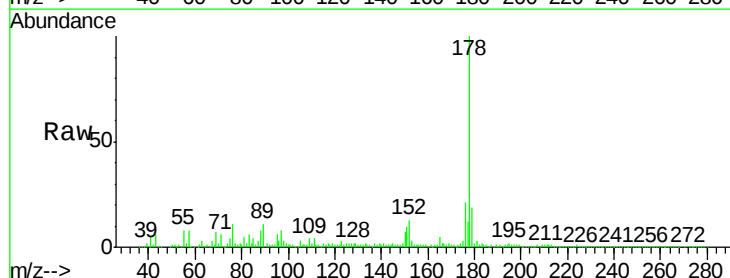
Tgt Ion:178 Resp: 2471136

Ion Ratio Lower Upper

178 100

176 20.9 16.4 24.6

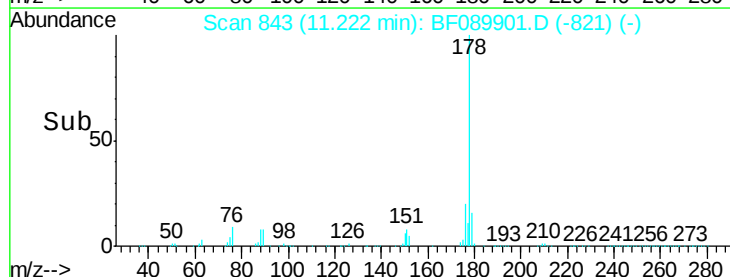
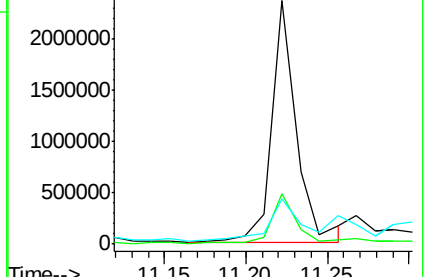
179 18.8 13.1 19.7

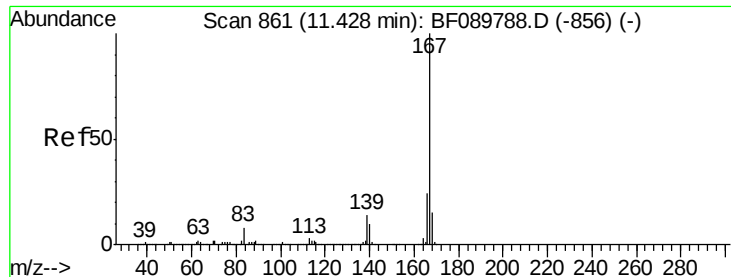


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 8.47 ng

RT: 11.43 min Scan# 861

Delta R.T. -0.00 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-21A-GW

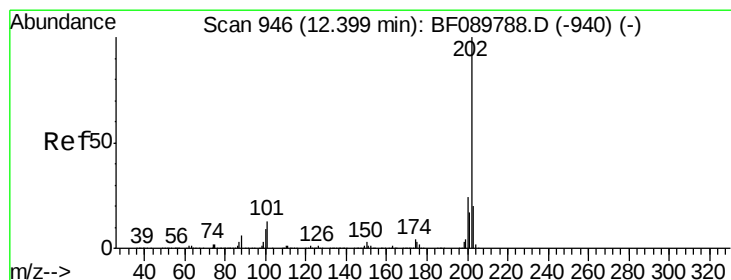
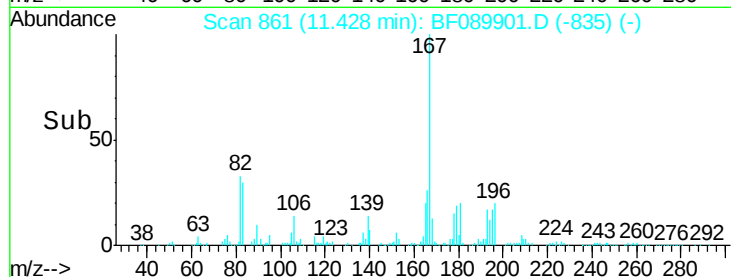
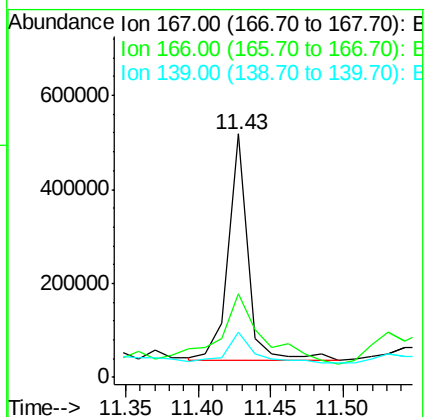
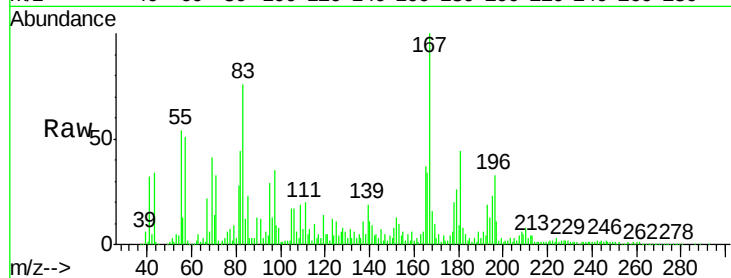
Tgt Ion:167 Resp: 452981

Ion Ratio Lower Upper

167 100

166 34.2 17.9 26.9#

139 18.6 12.4 18.6



#74

Fluoranthene

Concen: 2.01 ng

RT: 12.40 min Scan# 946

Delta R.T. -0.00 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

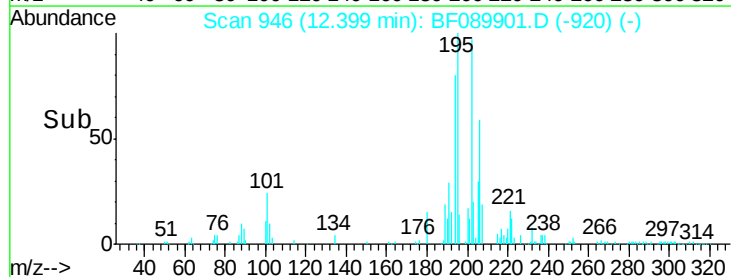
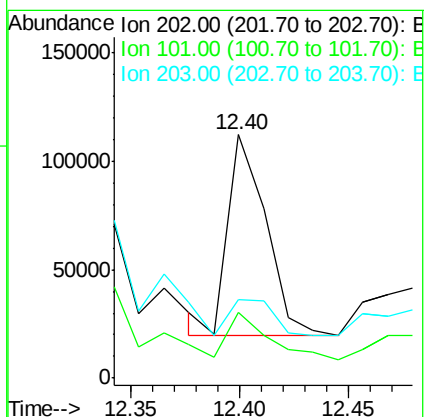
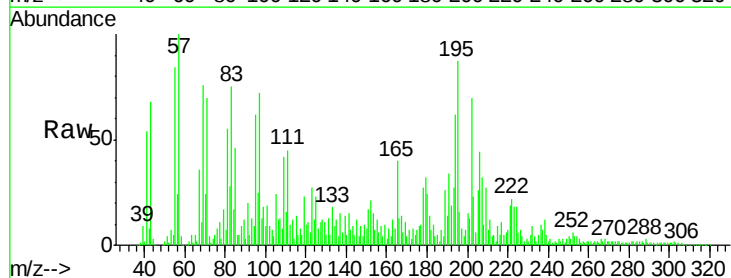
Tgt Ion:202 Resp: 112378

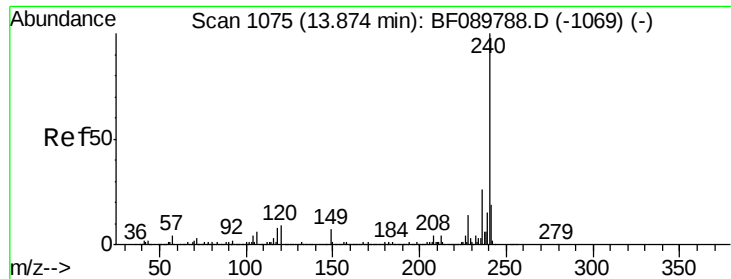
Ion Ratio Lower Upper

202 100

101 26.9 0.0 31.2

203 32.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.03 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-21A-GW

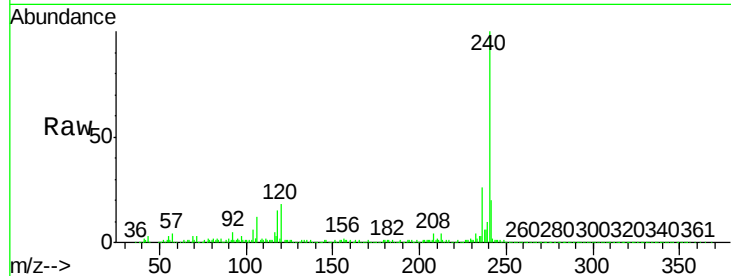
Tgt Ion:240 Resp: 938988

Ion Ratio Lower Upper

240 100

120 17.5 8.3 12.5#

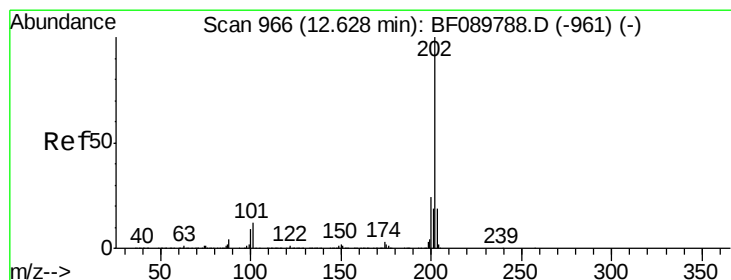
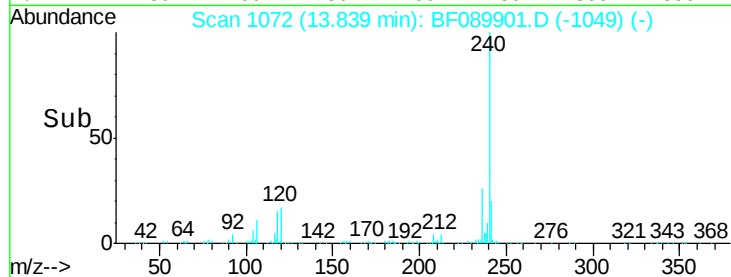
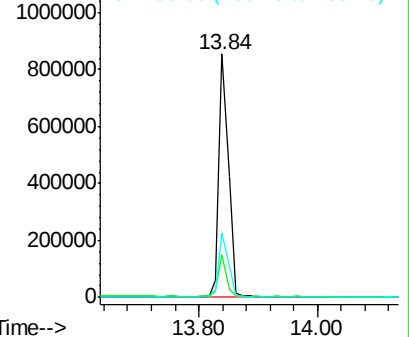
236 26.3 21.3 31.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.92 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

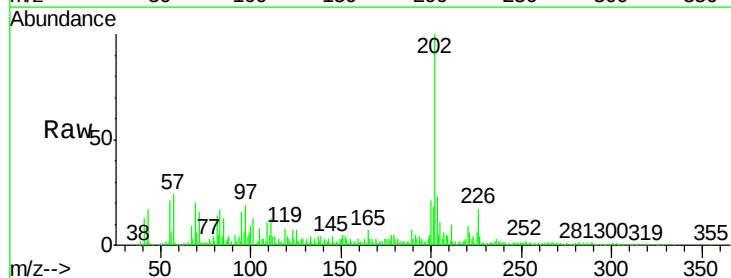
Tgt Ion:202 Resp: 682137

Ion Ratio Lower Upper

202 100

200 20.9 17.8 26.6

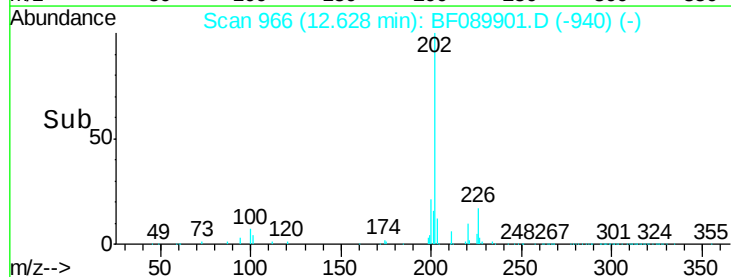
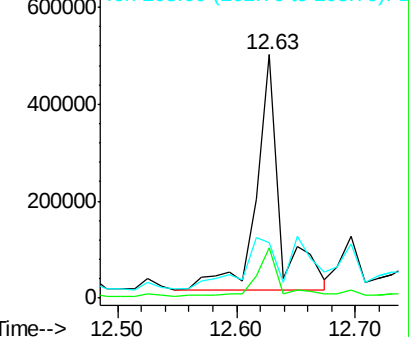
203 22.7 14.2 21.4#

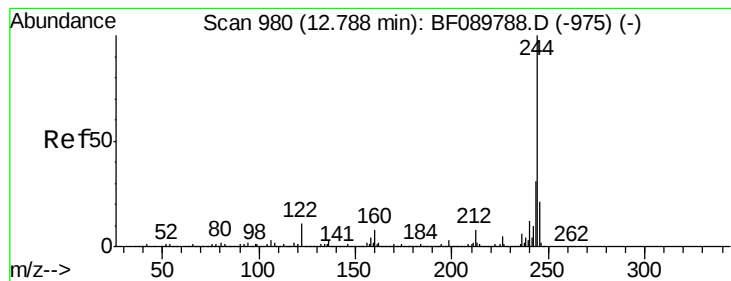


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 73.86 ng

RT: 12.79 min Scan# 980

Delta R.T. 0.00 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-21A-GW

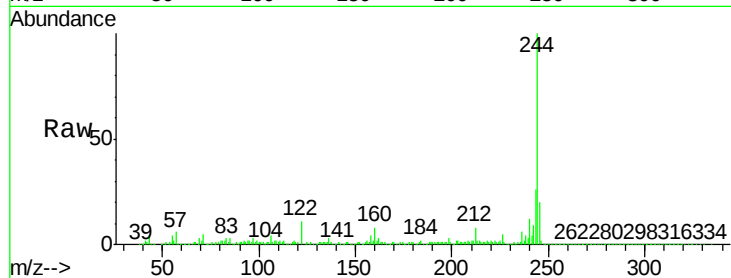
Tgt Ion:244 Resp: 3065467

Ion Ratio Lower Upper

244 100

212 8.0 6.3 9.5

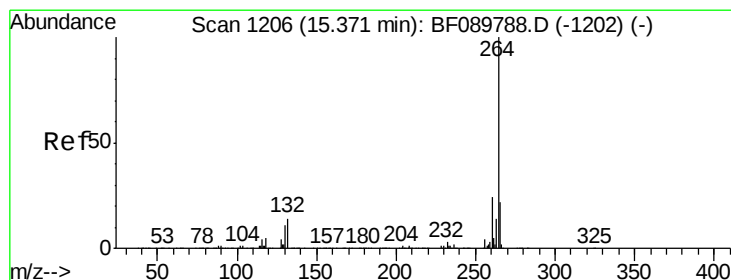
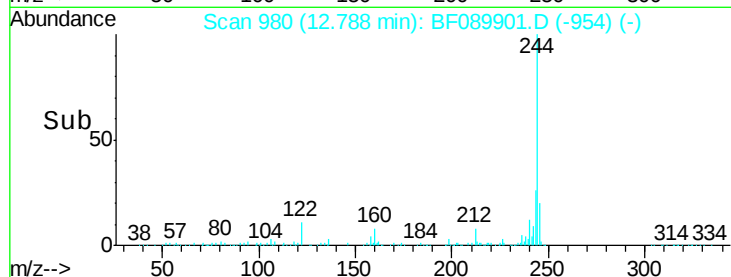
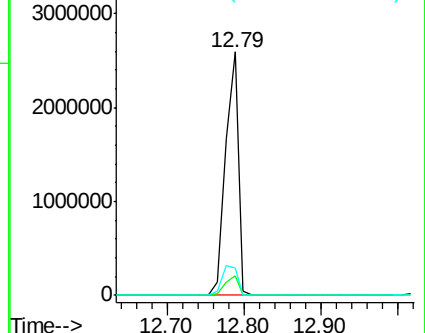
122 11.4 12.0 18.0#



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: 15.31 min Scan# 1201

Delta R.T. -0.06 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

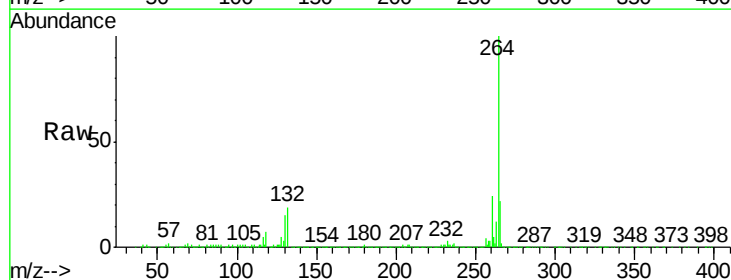
Tgt Ion:264 Resp: 893130

Ion Ratio Lower Upper

264 100

260 24.1 20.2 30.2

265 21.7 17.4 26.2



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

