

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
 Data File : BF090980.D
 Acq On : 2 Nov 2016 15:30
 Operator : UM/SJ
 Sample : H5491-15
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-73-7.6-14.0

Quant Time: Nov 02 23:08:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	157106	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	510612	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	152479	20.00	ng	0.00
63) Phenanthrene-d10	11.28	188	359949	20.00	ng	0.01
75) Chrysene-d12	13.88	240	429702	20.00	ng	-0.02
86) Perylene-d12	15.28	264	316972	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	567872	63.20	ng	-0.02
7) Phenol-d6	6.36	99	618017	50.98	ng	-0.03
23) Nitrobenzene-d5	7.29	82	838166	107.46	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	150963	96.34	ng	0.01
44) 2-Fluorobiphenyl	9.12	172	980672	112.94	ng	0.00
78) Terphenyl-d14	12.85	244	1385898	81.26	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.88	79	34994	4.40	ng	# 29
18) Hexachloroethane	7.30	117	17520	4.04	ng	# 19
19) n-Nitroso-di-n-propylamine	7.16	70	96786	13.81	ng	# 42
24) Nitrobenzene	7.38	77	27137	3.29	ng	# 64
25) Isophorone	7.55	82	236793	14.96	ng	# 1
26) 2-Nitrophenol	7.58	139	10011	2.27	ng	# 1
27) 2,4-Dimethylphenol	7.68	122	37692	5.27	ng	# 1
28) bis(2-Chloroethoxy)methane	7.82	93	46331	5.15	ng	# 1
29) 2,4-Dichlorophenol	7.87	162	27187	4.10	ng	# 1
30) 1,2,4-Trichlorobenzene	7.92	180	22185	2.90	ng	# 87
31) Naphthalene	8.08	128	133310	5.59	ng	# 1
32) Benzoic acid	7.81	122	29126	5.61	ng	# 1
33) 4-Chloroaniline	8.08	127	63203	6.55	ng	# 1
35) Caprolactam	8.48	113	211676	102.93	ng	# 26
36) 4-Chloro-3-methylphenol	8.56	107	21962	3.05	ng	# 19
42) 2,4,6-Trichlorophenol	9.04	196	29250	10.83	ng	# 16
43) 2,4,5-Trichlorophenol	9.04	196	29250	10.52	ng	# 1
45) 1,1'-Biphenyl	8.96	154	26381	2.40	ng	# 86
47) 2-Nitroaniline	9.33	65	57557	24.42	ng	# 25
48) Acenaphthylene	9.65	152	51795	4.09	ng	# 1
49) Dimethylphthalate	9.48	163	57328	5.63	ng	# 1
50) 2,6-Dinitrotoluene	9.64	165	29203	12.98	ng	# 93
51) Acenaphthene	9.82	154	60921	6.99	ng	# 62
52) 3-Nitroaniline	9.74	138	16206	6.77	ng	# 68
54) Dibenzofuran	10.00	168	41650	3.70	ng	# 1
55) 4-Nitrophenol	9.90	139	34189	23.41	ng	# 1
56) 2,4-Dinitrotoluene	9.95	165	29944	10.71	ng	# 63
57) Fluorene	10.34	166	122802	13.33	ng	# 33
58) 2,3,4,6-Tetrachlorophenol	10.14	232	6061	2.44	ng	# 36
60) 4-Chlorophenyl-phenylether	10.28	204	24679	5.49	ng	# 1
61) 4-Nitroaniline	10.26	138	17072	7.20	ng	# 48
62) Azobenzene	10.50	77	77012	7.74	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.44	198	8295	3.48	ng	# 1
65) n-Nitrosodiphenylamine	10.44	169	514616	46.67	ng	# 57

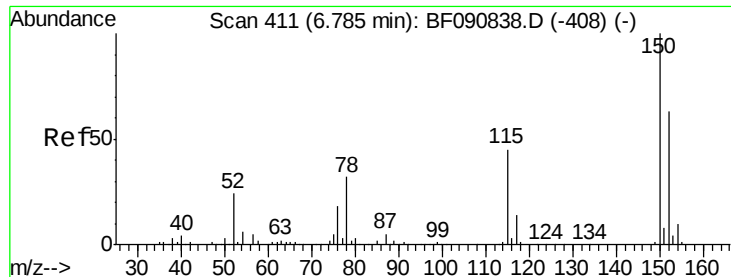
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090980.D
Acq On : 2 Nov 2016 15:30
Operator : UM/SJ
Sample : H5491-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-73-7.6-14.0

Quant Time: Nov 02 23:08:40 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 01 11:53:50 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	11.01	200	59484	17.44	ng	# 61
69) Pentachlorophenol	11.13	266	6627	2.65	ng	# 32
70) Phenanthrene	11.33	178	329087	17.95	ng	# 1
71) Anthracene	11.33	178	329087	17.05	ng	# 1
74) Fluoranthene	12.70	202	229677	11.44	ng	83
77) Pyrene	12.70	202	259454	9.54	ng	# 90

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF090980.D

Acq: 2 Nov 2016 15:30

Instrument :

BNA_F

ClientSampleId :

GW-73-7.6-14.0

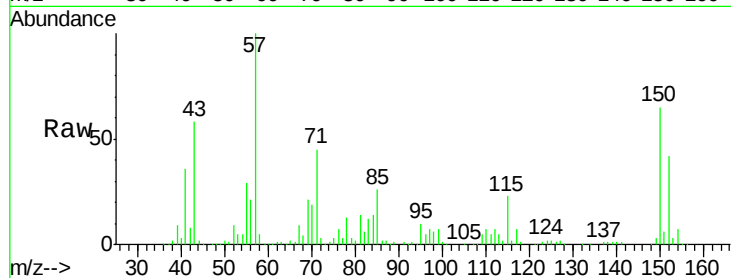
Tgt Ion:152 Resp: 157106

Ion Ratio Lower Upper

152 100

150 152.4 124.7 187.1

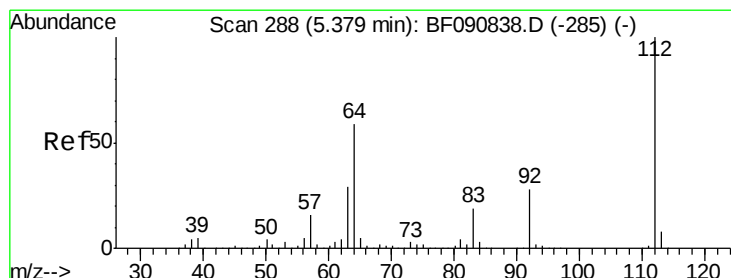
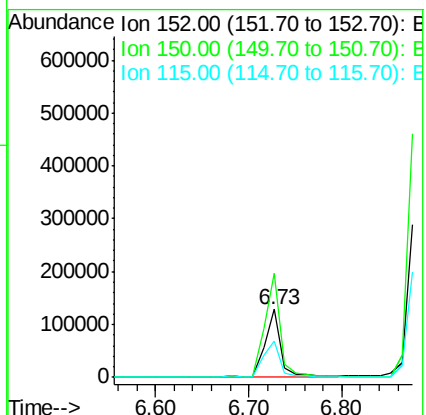
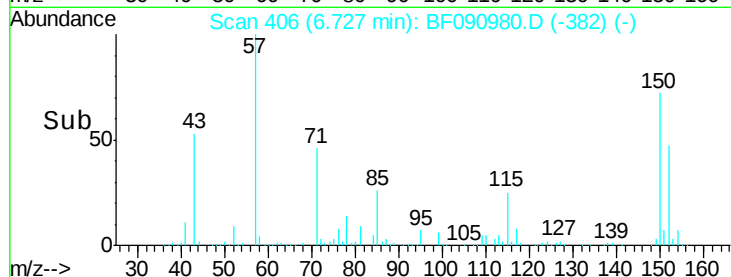
115 53.5 39.0 58.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 63.20 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.02 min

Lab File: BF090980.D

Acq: 2 Nov 2016 15:30

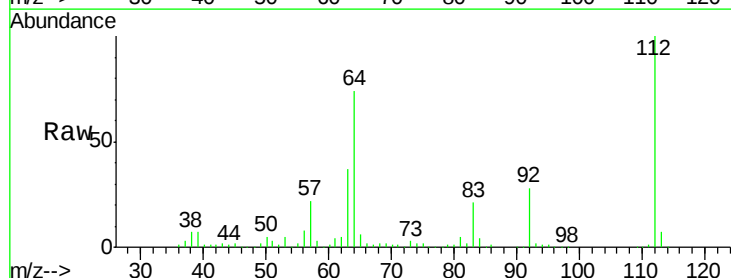
Tgt Ion:112 Resp: 567872

Ion Ratio Lower Upper

112 100

64 74.4 39.7 59.5#

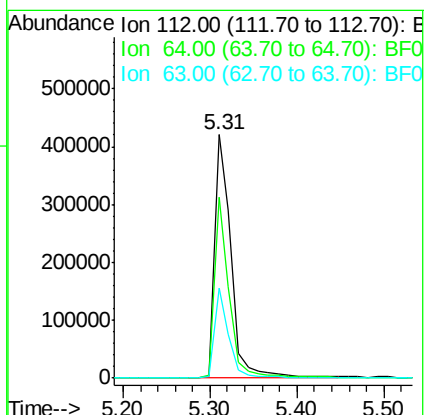
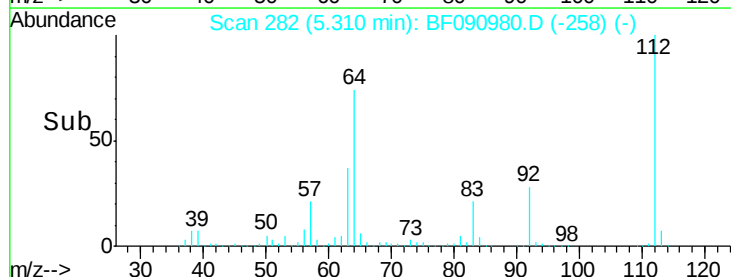
63 36.7 17.4 26.0#

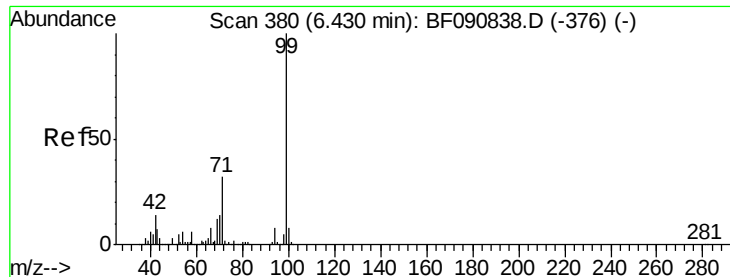


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 50.98 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.03 min

Lab File: BF090980.D

Acq: 2 Nov 2016 15:30

Instrument :

BNA_F

ClientSampleId :

GW-73-7.6-14.0

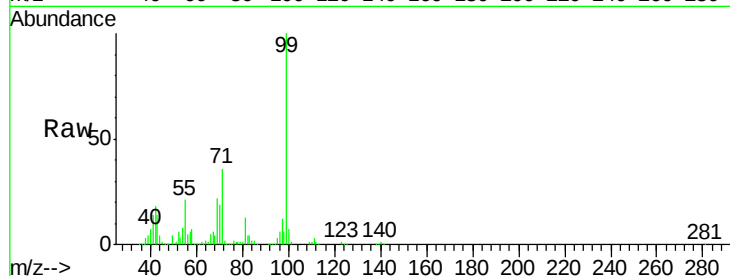
Tgt Ion: 99 Resp: 618017

Ion Ratio Lower Upper

99 100

42 18.4 13.7 20.5

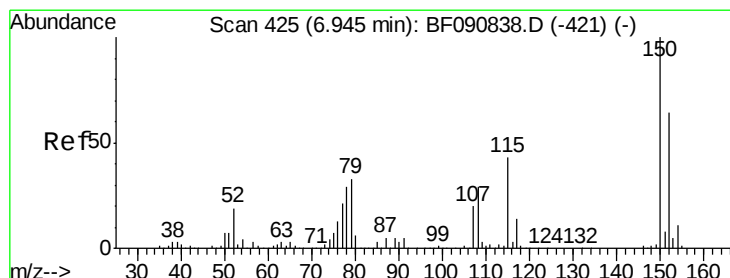
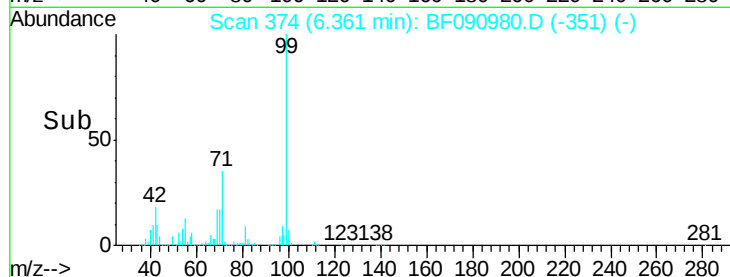
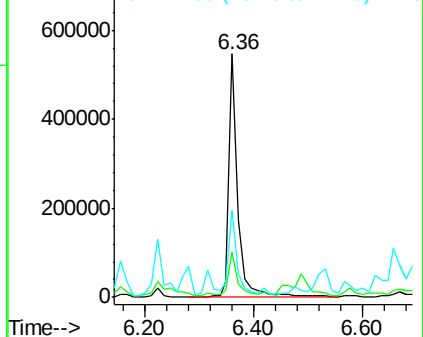
71 36.1 14.2 21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 4.40 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.02 min

Lab File: BF090980.D

Acq: 2 Nov 2016 15:30

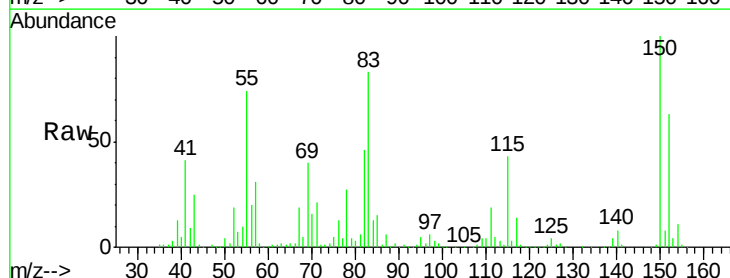
Tgt Ion: 79 Resp: 34994

Ion Ratio Lower Upper

79 100

108 14.7 88.6 132.8#

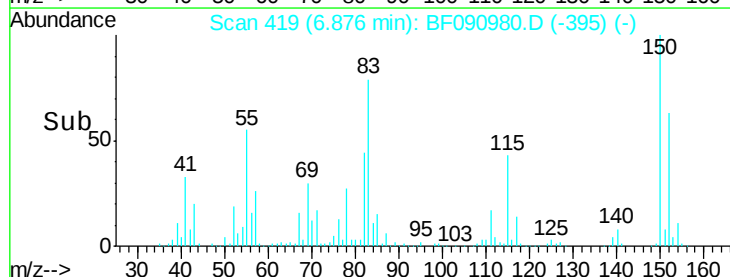
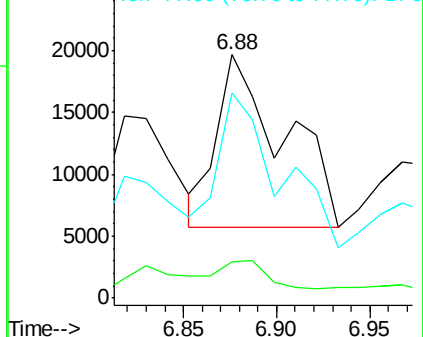
77 84.5 47.0 70.4#

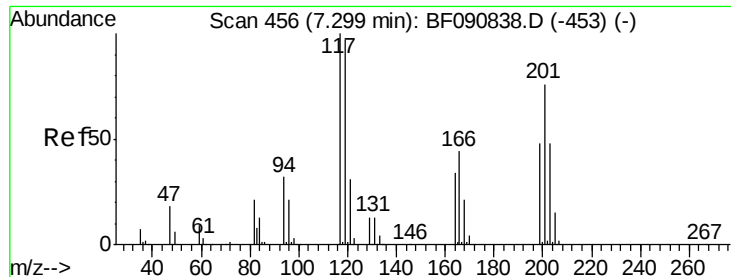


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

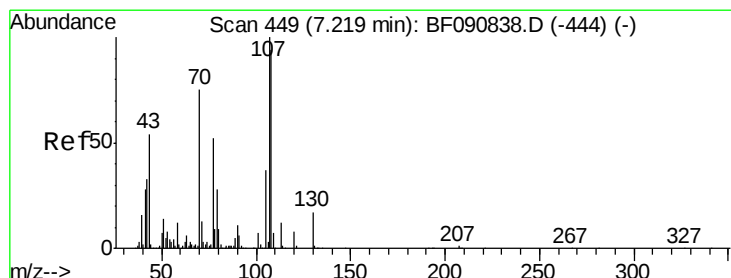
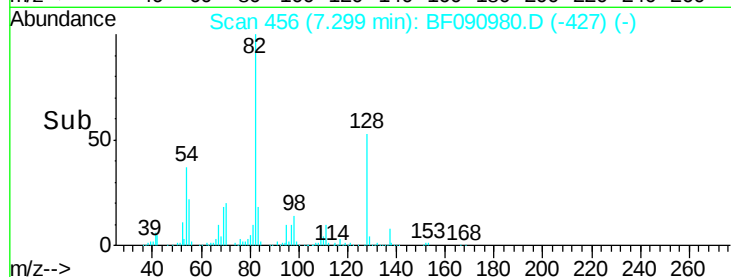
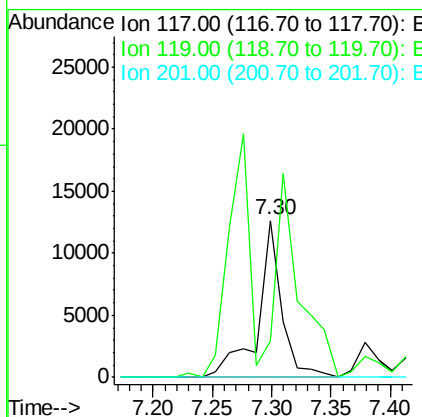
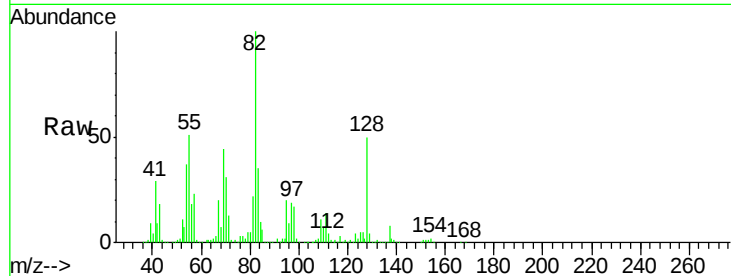




#18
Hexachloroethane
Concen: 4.04 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.03 min
Lab File: BF090980.D
Acq: 2 Nov 2016 15:30

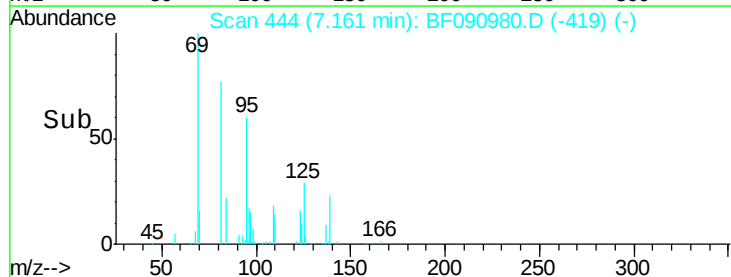
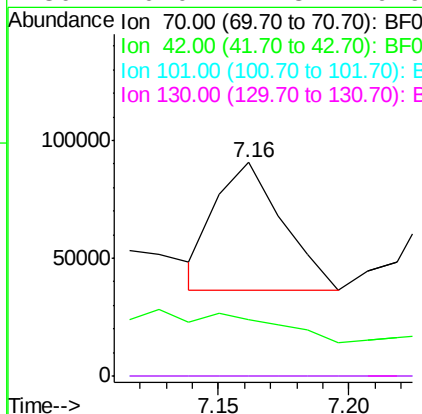
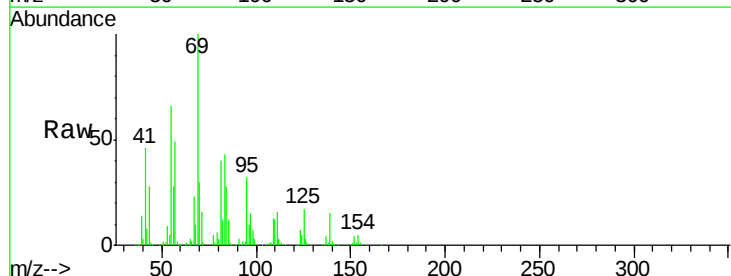
Instrument :
BNA_F
ClientSampleId :
GW-73-7.6-14.0

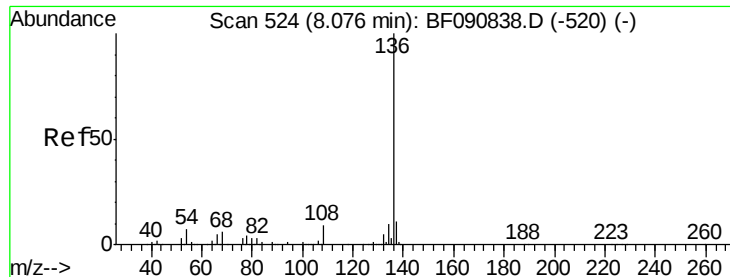
Tgt Ion: 117 Resp: 17520
Ion Ratio Lower Upper
117 100
119 23.2 83.8 125.6#
201 0.0 55.1 82.7#



#19
n-Nitroso-di-n-propylamine
Concen: 13.81 ng
RT: 7.16 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF090980.D
Acq: 2 Nov 2016 15:30

Tgt Ion: 70 Resp: 96786
Ion Ratio Lower Upper
70 100
42 26.2 63.8 95.6#
101 0.0 9.2 13.8#
130 0.0 27.3 40.9#

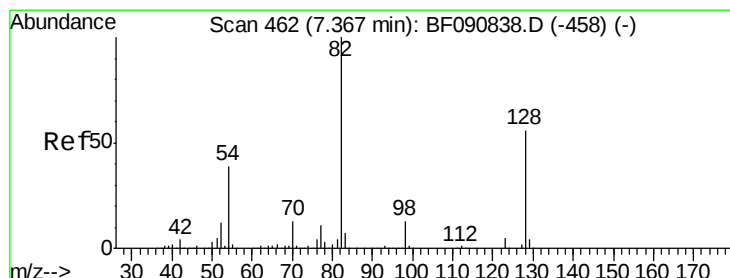
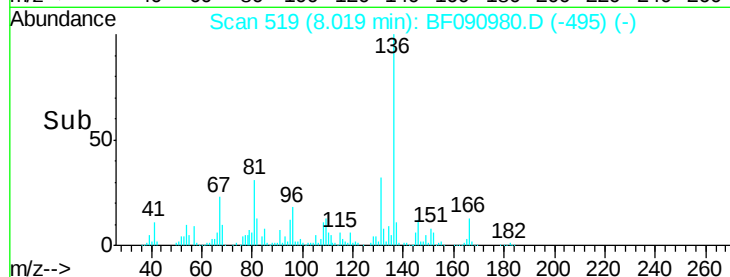
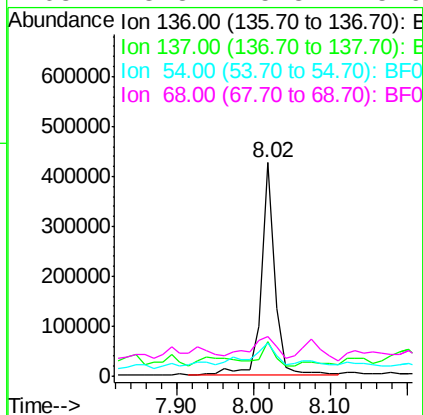
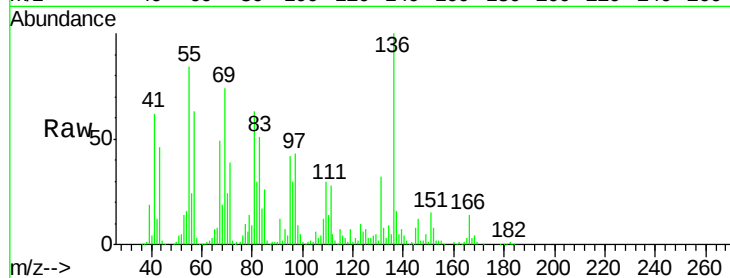




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF090980.D
Acq: 2 Nov 2016 15:30

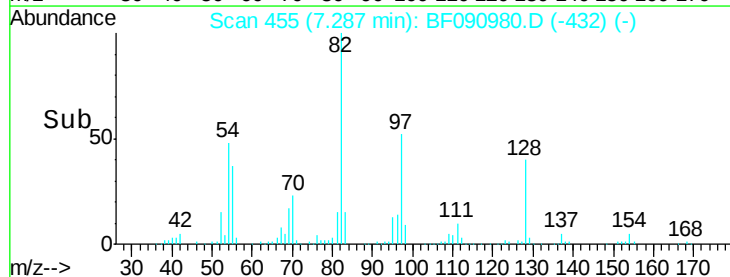
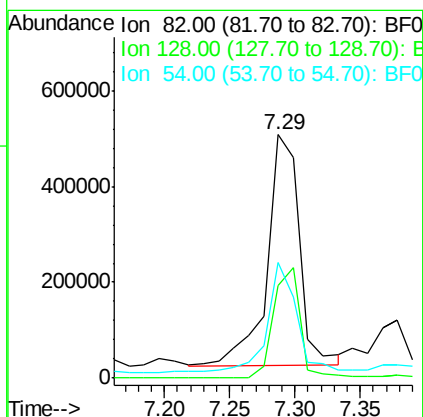
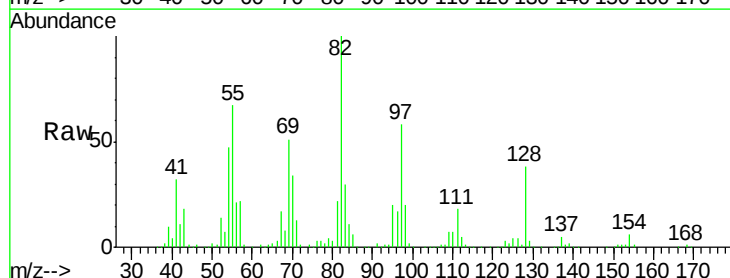
Instrument :
BNA_F
ClientSampleId :
GW-73-7.6-14.0

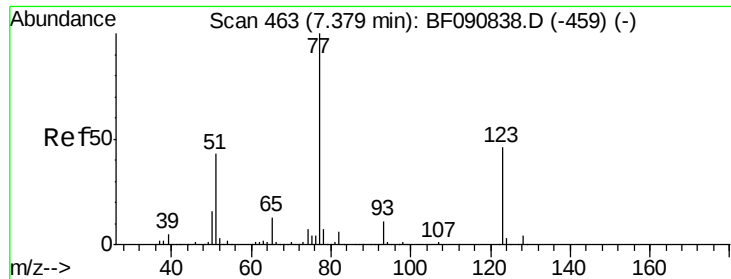
Tgt Ion:	136	Resp:	510612
Ion	Ratio	Lower	Upper
136	100		
137	16.3	9.0	13.6#
54	15.8	8.2	12.2#
68	18.8	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 107.46 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.03 min
Lab File: BF090980.D
Acq: 2 Nov 2016 15:30

Tgt Ion:	82	Resp:	838166
Ion	Ratio	Lower	Upper
82	100		
128	38.2	51.0	76.6#
54	47.5	47.5	71.3#

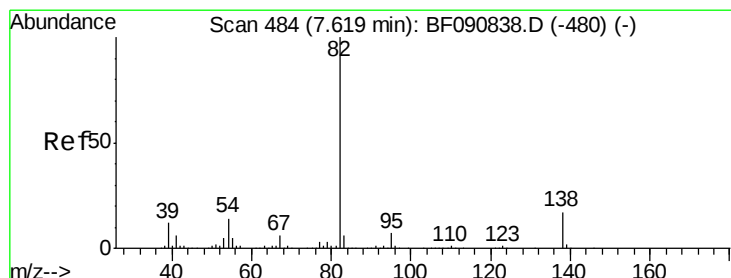
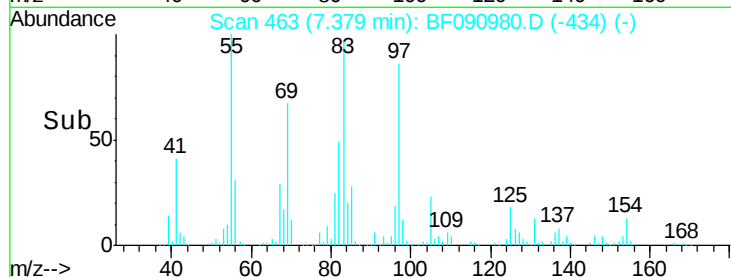
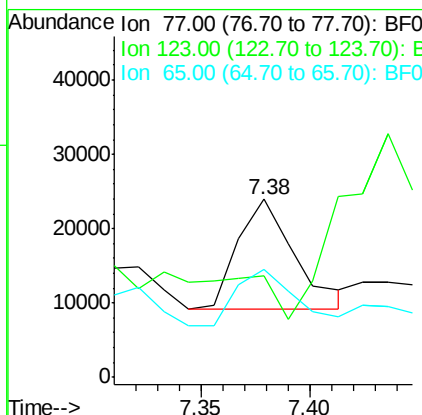
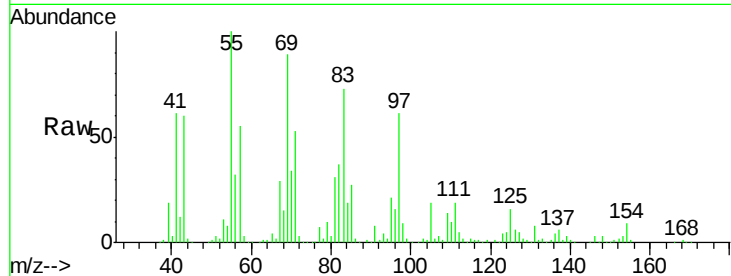




#24
 Nitrobenzene
 Concen: 3.29 ng
 RT: 7.38 min Scan# 463
 Delta R.T. 0.03 min
 Lab File: BF090980.D
 Acq: 2 Nov 2016 15:30

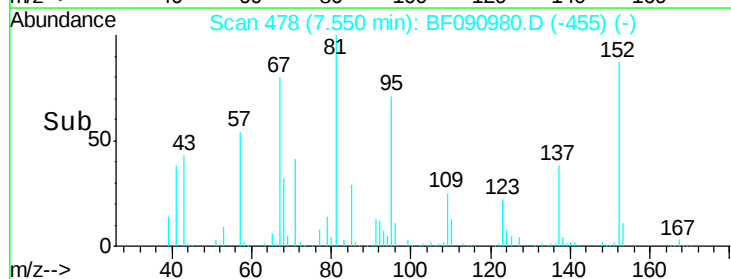
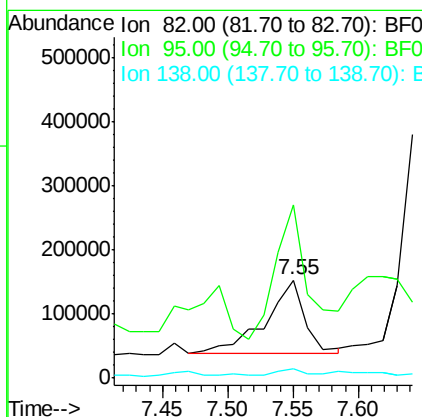
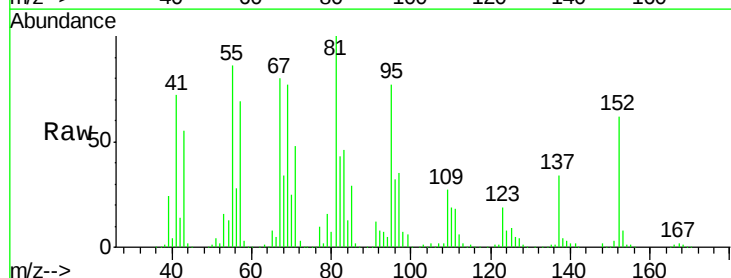
Instrument :
 BNA_F
 ClientSampleId :
 GW-73-7.6-14.0

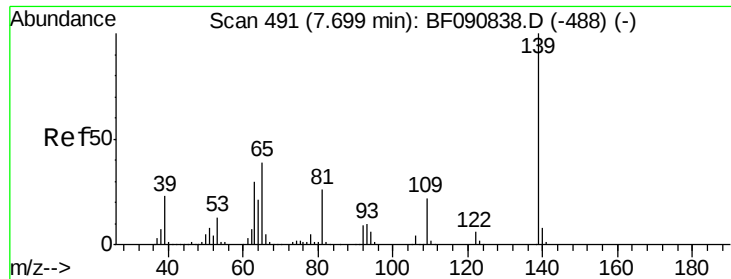
Tgt Ion: 77 Resp: 27137
 Ion Ratio Lower Upper
 77 100
 123 57.1 59.8 89.8#
 65 60.8 10.2 15.4#



#25
 Isophorone
 Concen: 14.96 ng
 RT: 7.55 min Scan# 478
 Delta R.T. -0.03 min
 Lab File: BF090980.D
 Acq: 2 Nov 2016 15:30

Tgt Ion: 82 Resp: 236793
 Ion Ratio Lower Upper
 82 100
 95 177.4 4.0 6.0#
 138 9.9 18.3 27.5#





#26

2-Nitrophenol

Concen: 2.27 ng

RT: 7.58 min Scan# 481

Delta R.T. -0.07 min

Lab File: BF090980.D

Acq: 2 Nov 2016 15:30

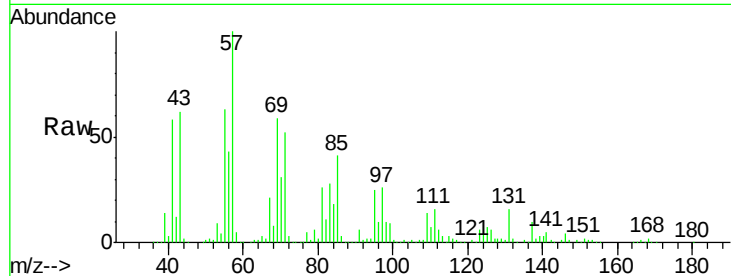
Instrument :

BNA_F

ClientSampleId :

GW-73-7.6-14.0

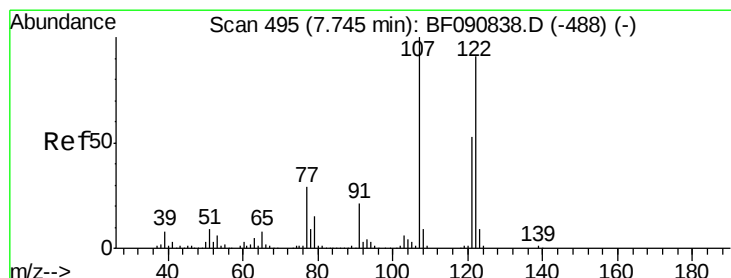
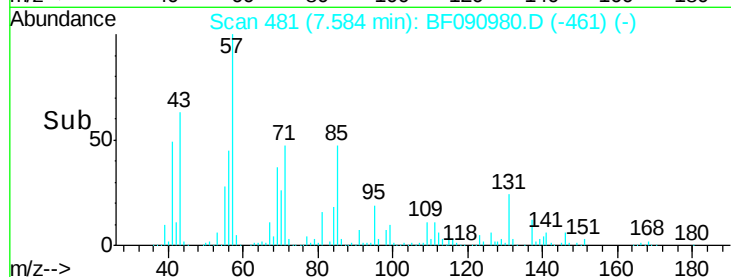
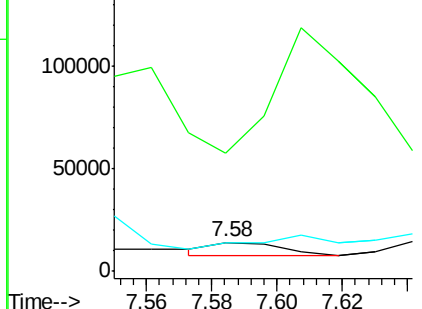
Tgt Ion:	139	Resp:	10011
Ion	Ratio	Lower	Upper
139	100		
109	403.8	11.0	16.4#
65	97.0	24.7	37.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#27

2,4-Dimethylphenol

Concen: 5.27 ng

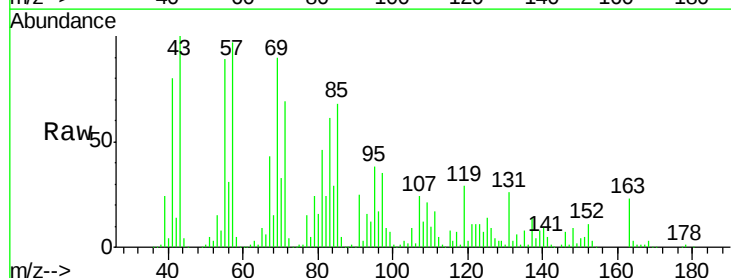
RT: 7.68 min Scan# 489

Delta R.T. -0.02 min

Lab File: BF090980.D

Acq: 2 Nov 2016 15:30

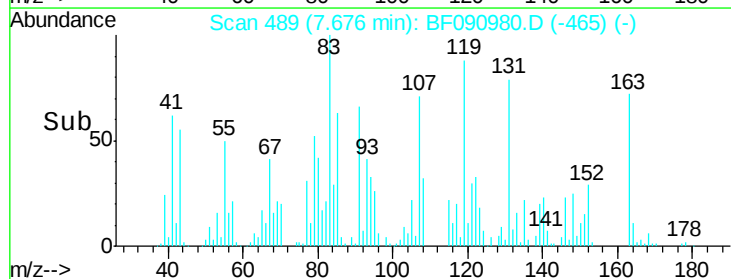
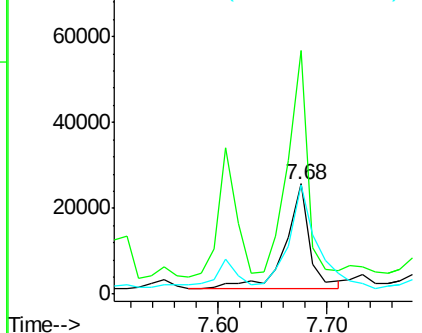
Tgt Ion:	122	Resp:	37692
Ion	Ratio	Lower	Upper
122	100		
107	220.6	71.8	107.6#
121	99.1	42.3	63.5#

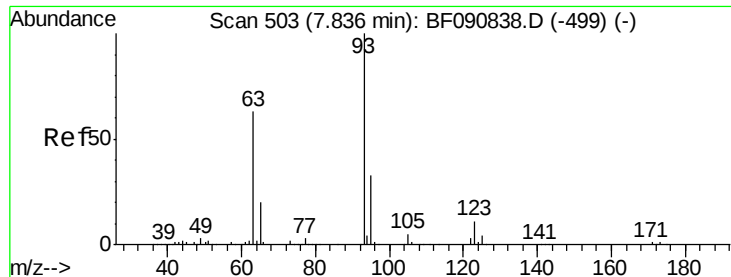


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

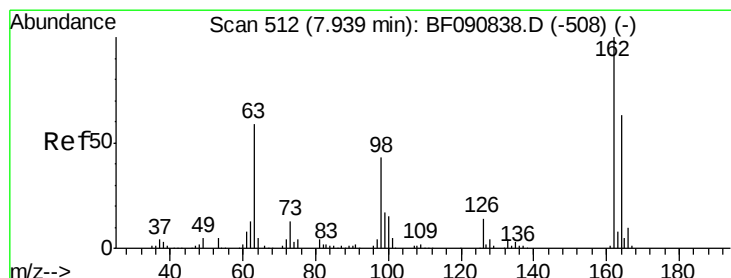
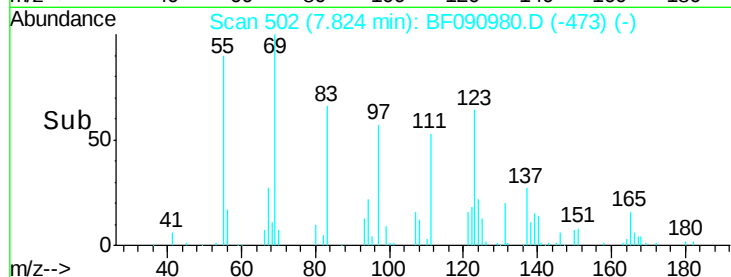
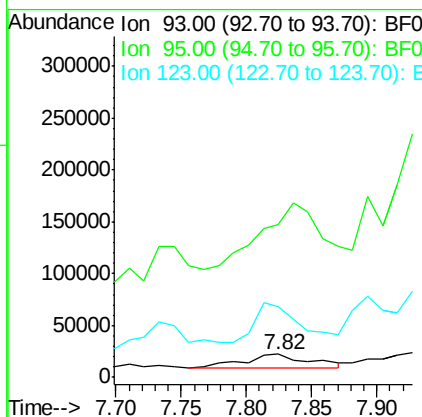
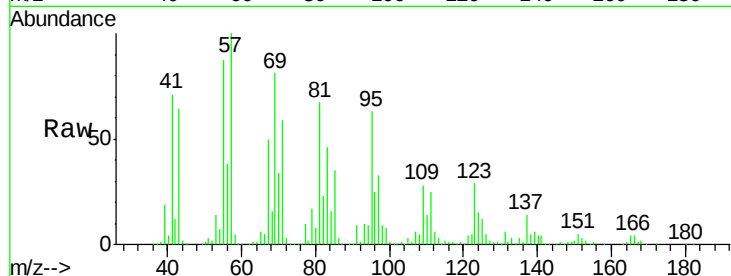




#28
bis(2-Chloroethoxy)methane
Concen: 5.15 ng
RT: 7.82 min Scan# 502
Delta R.T. 0.03 min
Lab File: BF090980.D
Acq: 2 Nov 2016 15:30

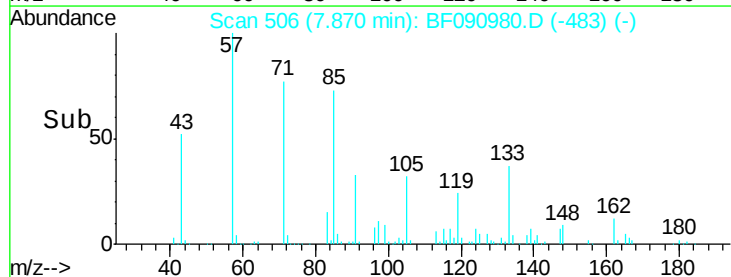
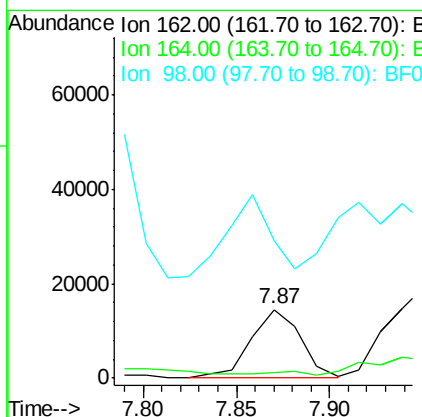
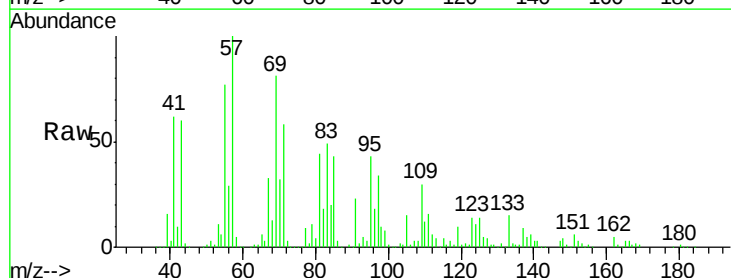
Instrument :
BNA_F
ClientSampleId :
GW-73-7.6-14.0

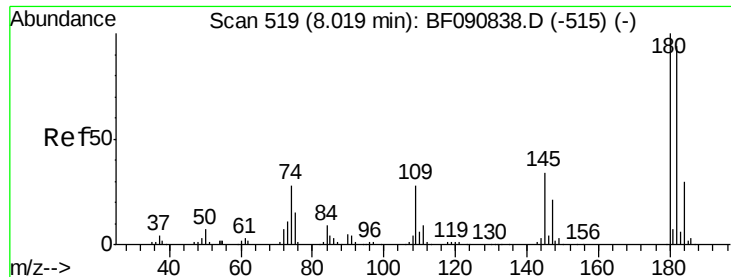
Tgt Ion: 93 Resp: 46331
Ion Ratio Lower Upper
93 100
95 666.7 27.5 41.3#
123 307.5 13.7 20.5#



#29
2,4-Dichlorophenol
Concen: 4.10 ng
RT: 7.87 min Scan# 506
Delta R.T. -0.03 min
Lab File: BF090980.D
Acq: 2 Nov 2016 15:30

Tgt Ion: 162 Resp: 27187
Ion Ratio Lower Upper
162 100
164 7.8 44.9 84.9#
98 199.3 13.0 53.0#

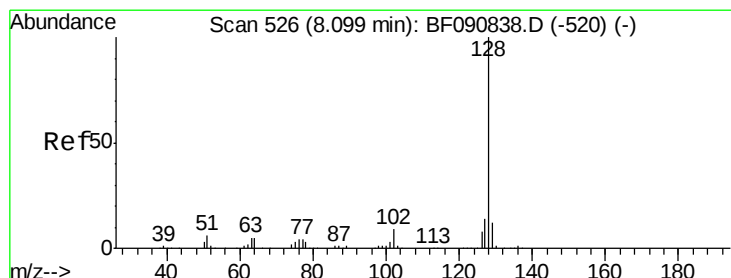
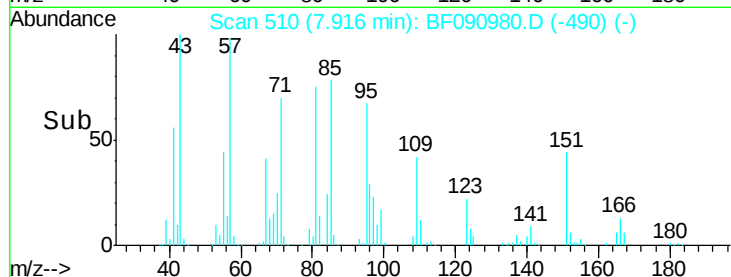
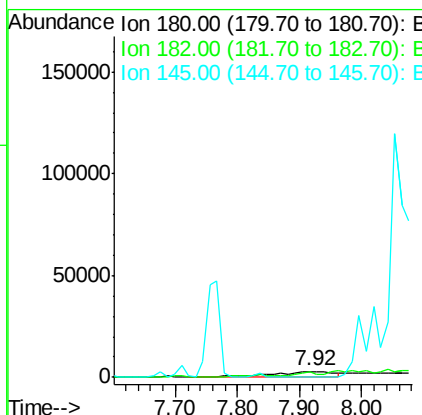
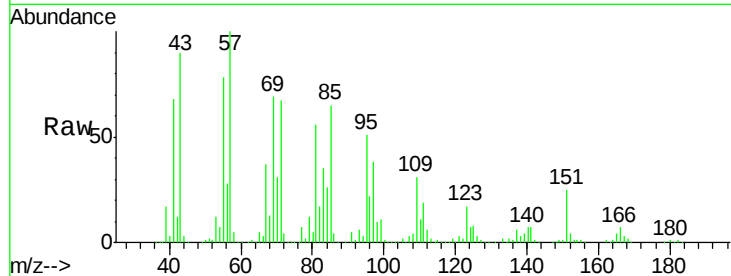




#30
1,2,4-Trichlorobenzene
Concen: 2.90 ng
RT: 7.92 min Scan# 510
Delta R.T. -0.07 min
Lab File: BF090980.D
Acq: 2 Nov 2016 15:30

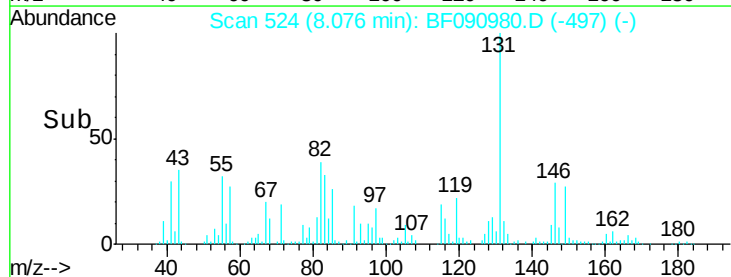
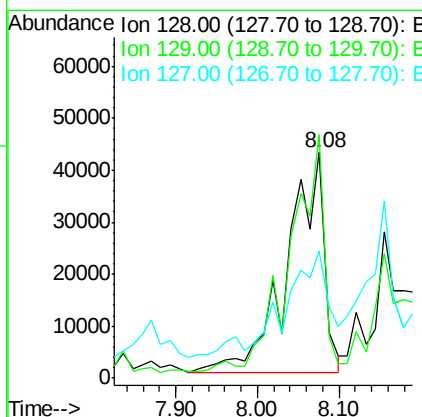
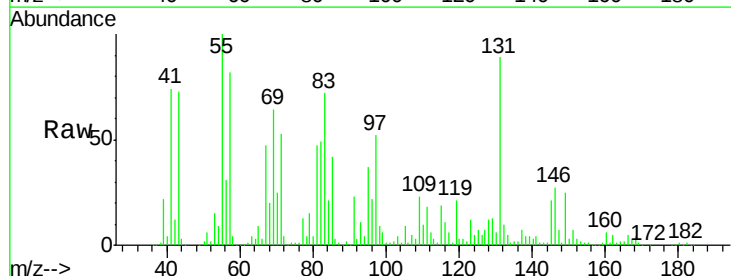
Instrument :
BNA_F
ClientSampleId :
GW-73-7.6-14.0

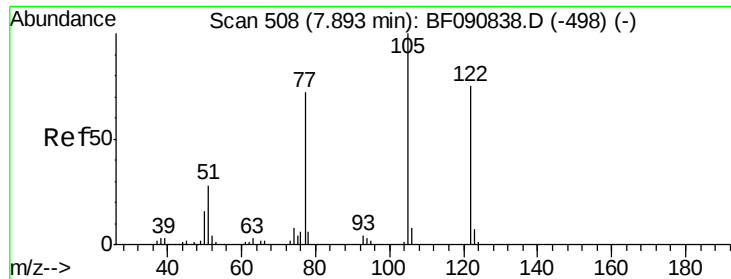
Tgt Ion:180 Resp: 22185
Ion Ratio Lower Upper
180 100
182 97.4 77.1 115.7
145 0.0 23.3 34.9#



#31
Naphthalene
Concen: 5.59 ng
RT: 8.08 min Scan# 524
Delta R.T. 0.01 min
Lab File: BF090980.D
Acq: 2 Nov 2016 15:30

Tgt Ion:128 Resp: 133310
Ion Ratio Lower Upper
128 100
129 108.0 8.4 12.6#
127 56.2 9.9 14.9#

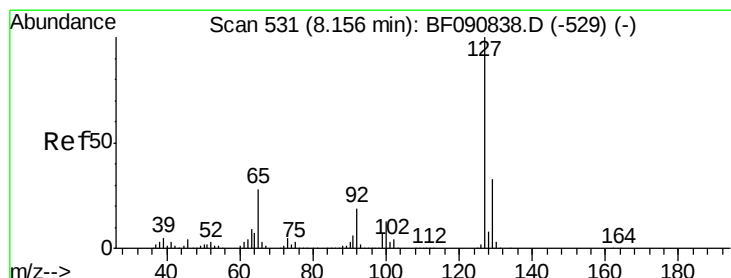
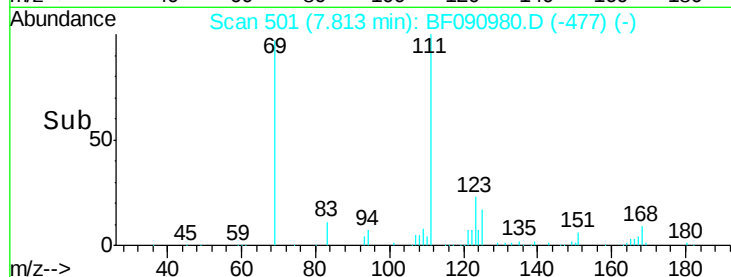
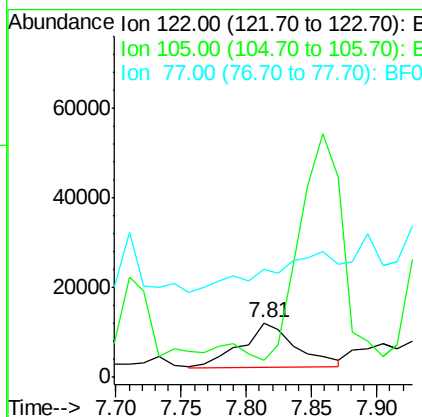
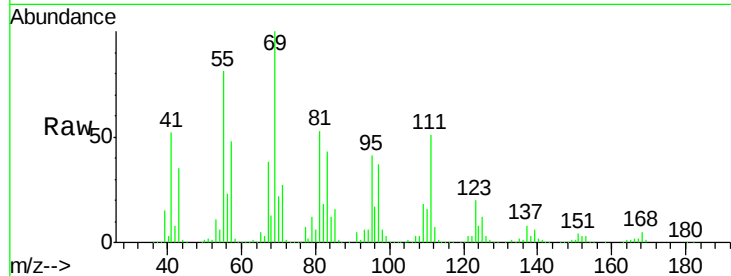




#32
Benzoic acid
Concen: 5.61 ng
RT: 7.81 min Scan# 501
Delta R.T. -0.02 min
Lab File: BF090980.D
Acq: 2 Nov 2016 15:30

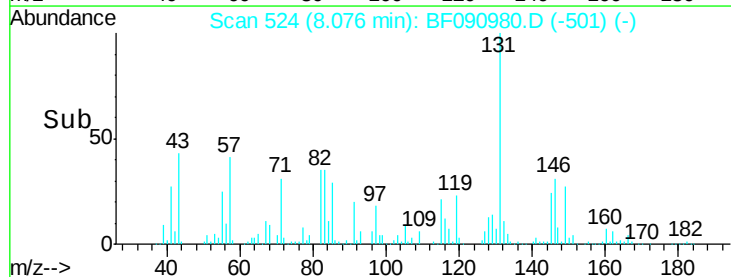
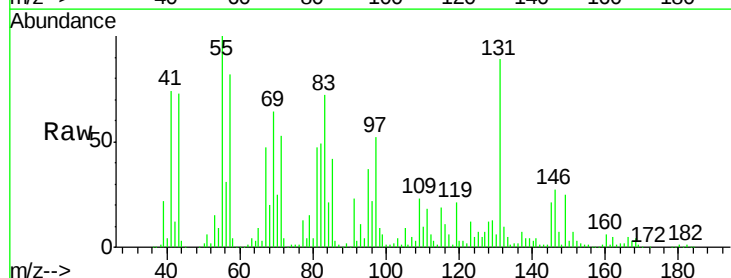
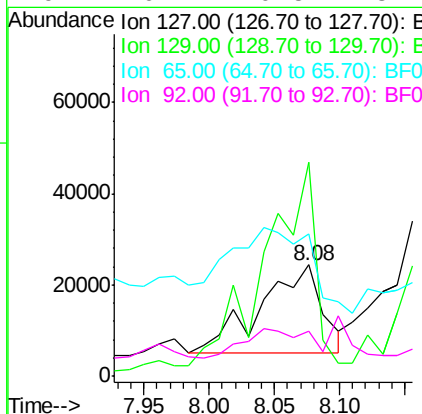
Instrument :
BNA_F
ClientSampleId :
GW-73-7.6-14.0

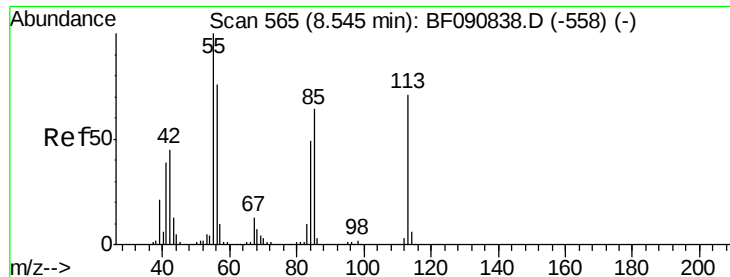
Tgt Ion:122 Resp: 29126
Ion Ratio Lower Upper
122 100
105 31.5 76.1 116.1#
77 199.9 40.5 80.5#



#33
4-Chloroaniline
Concen: 6.55 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.03 min
Lab File: BF090980.D
Acq: 2 Nov 2016 15:30

Tgt Ion:127 Resp: 63203
Ion Ratio Lower Upper
127 100
129 192.3 25.8 38.6#
65 128.5 17.9 26.9#
92 40.4 10.5 15.7#

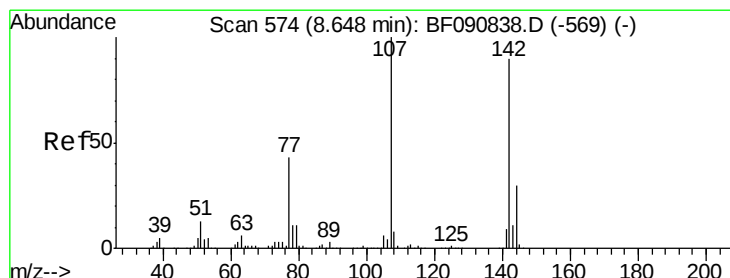
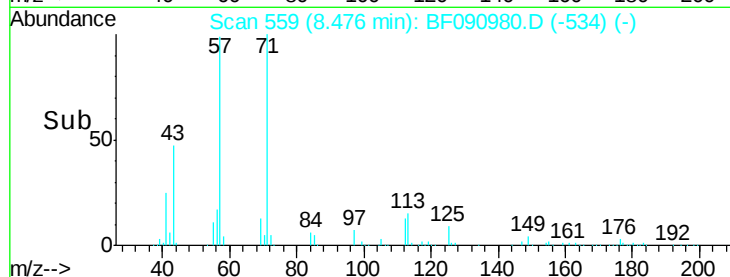
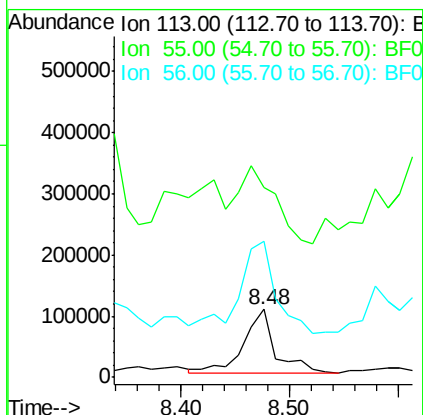
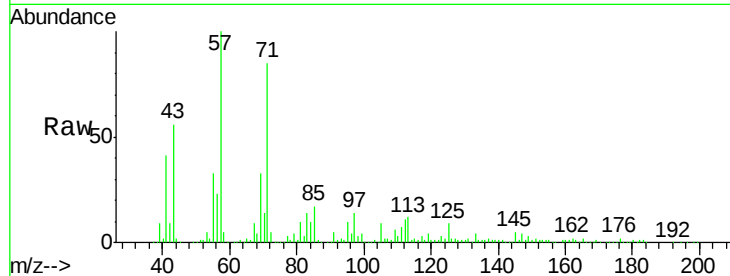




#35
 Caprolactam
 Concen: 102.93 ng
 RT: 8.48 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: BF090980.D
 Acq: 2 Nov 2016 15:30

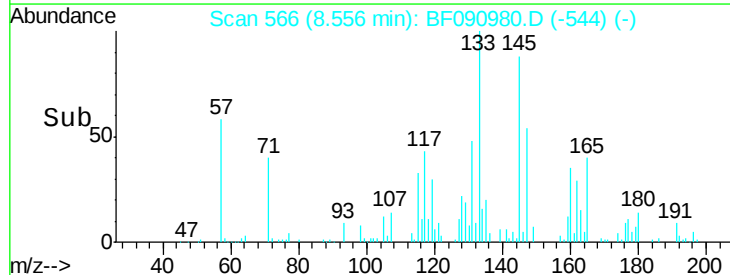
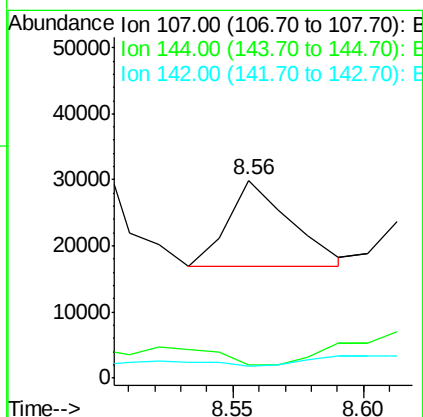
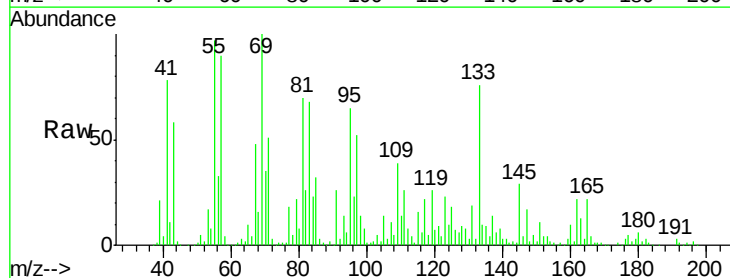
Instrument :
 BNA_F
 ClientSampleId :
 GW-73-7.6-14.0

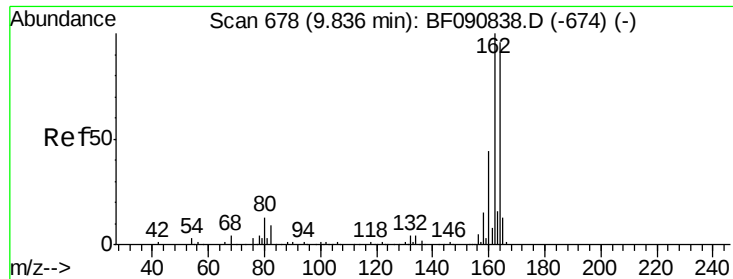
Tgt Ion:113 Resp: 211676
 Ion Ratio Lower Upper
 113 100
 55 280.6 152.4 192.4#
 56 201.4 104.6 144.6#



#36
 4-Chloro-3-methylphenol
 Concen: 3.05 ng
 RT: 8.56 min Scan# 566
 Delta R.T. -0.05 min
 Lab File: BF090980.D
 Acq: 2 Nov 2016 15:30

Tgt Ion:107 Resp: 21962
 Ion Ratio Lower Upper
 107 100
 144 6.4 25.4 38.0#
 142 6.3 77.3 115.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.00 min

Lab File: BF090980.D

Acq: 2 Nov 2016 15:30

Instrument :

BNA_F

ClientSampleId :

GW-73-7.6-14.0

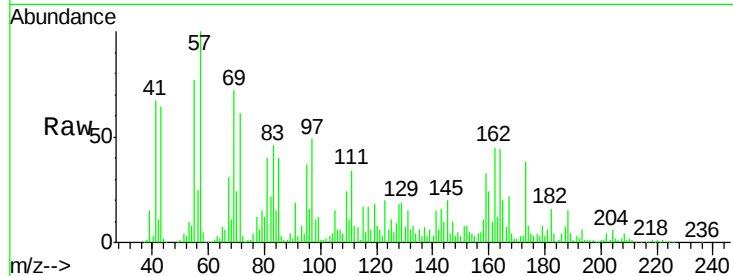
Tgt Ion:164 Resp: 152479

Ion Ratio Lower Upper

164 100

162 101.6 75.2 112.8

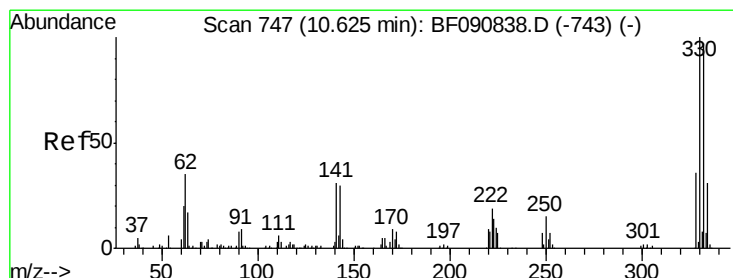
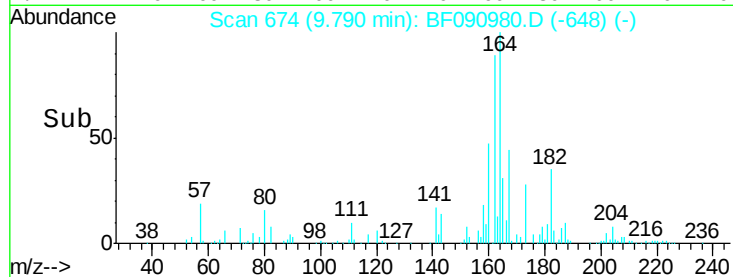
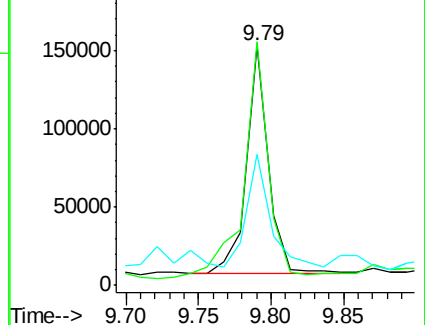
160 54.4 31.5 47.3#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 96.34 ng

RT: 10.59 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF090980.D

Acq: 2 Nov 2016 15:30

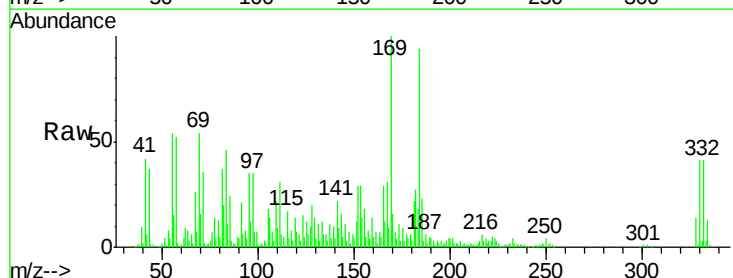
Tgt Ion:330 Resp: 150963

Ion Ratio Lower Upper

330 100

332 98.6 76.6 114.8

141 35.5 29.7 44.5



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

