

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111416\
 Data File : BG024782.D
 Acq On : 15 Nov 2016 3:13
 Operator : UM/SJ
 Sample : H5626-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

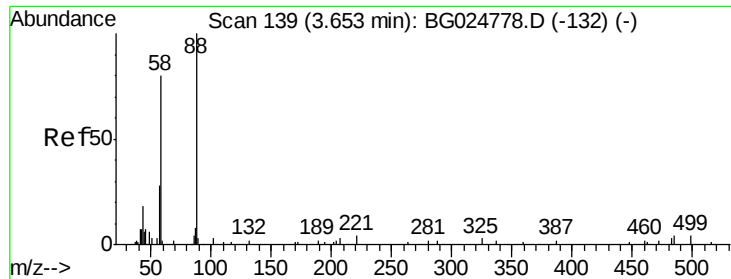
Instrument :
 BNA_G
 ClientSampleId :
 F2J01

Quant Time: Nov 15 04:38:57 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 15 01:28:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.31	152	111	20.00	ng/ul	0.05
18) Naphthalene-d8	11.09	136	369785	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.88	164	312064	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.72	188	489754	20.00	ng/ul	0.10
75) Chrysene-d12	22.03	240	1084	20.00	ng/ul	0.11
83) Perylene-d12	25.34	264	1125232	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.63	96	1470	686.23	ng/uL	0.00
5) Phenol-d5	7.39	99	21763	2288.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.57	67	59753	9987.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.87	132	69	10.12	ng/ul	0.08
13) 4-Methylphenol-d8	9.03	113	62	7.76	ng/ul	0.08
19) Nitrobenzene-d5	9.43	128	34061	12.16	ng/ul	0.00
22) 2-Nitrophenol-d4	10.16	143	37618	11.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	72987	10.97	ng/ul	0.00
29) 4-Chloroaniline-d4	11.23	131	3283	0.44	ng/ul	0.02
43) Dimethylphthalate-d6	14.27	166	319650	14.05	ng/ul	0.00
46) Acenaphthylene-d8	14.58	160	320039	12.91	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	9651	2.38	ng/ul	0.00
57) Fluorene-d10	15.86	176	284731	13.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.06	200	119	0.04	ng/ul	0.09
70) Anthracene-d10	17.72	188	488914	22.60	ng/ul	0.00
76) Pyrene-d10	19.99	212	700672	14907.31	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.10	264	684581	13.90	ng/ul	0.00
Target Compounds						
2) 1,4-Dioxane	3.67	88	756	281.60	ng/uL#	48
4) Benzaldehyde	7.46	77	129	21.06	ng/ul#	46
6) Phenol	7.48	94	792	79.73	ng/ul	89
8) Bis(2-Chloroethyl)ether	7.71	93	149	21.07	ng/ul#	12
10) 2-Chlorophenol	7.95	128	85	12.89	ng/ul#	77
11) 2-Methylphenol	8.68	108	79	10.86	ng/ul	81
12) 2,2'-oxybis(1-Chloropropan	8.85	45	92	7.66	ng/ul#	71
14) Acetophenone	9.13	105	98	8.15	ng/ul#	1
15) N-Nitroso-di-n-propylamine	9.13	70	97	14.20	ng/ul#	63
16) 4-Methylphenol	9.25	108	55	6.99	ng/ul	87
17) Hexachloroethane	9.44	117	419	138.77	ng/ul#	1
28) Naphthalene	11.14	128	213335	12.03	ng/ul	98
44) Dimethylphthalate	14.32	163	98167	4.50	ng/ul#	95
77) Pyrene	20.12	202	89	1.67	ng/ul#	1
78) Butylbenzylphthalate	21.00	149	327	14.99	ng/ul#	65
79) 3,3'-Dichlorobenzidine	21.93	252	553	26.53	ng/ul#	1
80) Benzo(a)anthracene	22.01	228	95	1.61	ng/ul#	51
81) Bis(2-ethylhexyl)phthalate	21.85	149	393	13.17	ng/ul#	49
82) Chrysene	22.10	228	162	2.93	ng/ul#	49

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

```
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Sample    : H5626-02  
Misc      :  
ALS Vial  : 15    Sample Multiplier: 1
```



#2

1,4-Dioxane

Concen: 281.60 ng/uL

RT: 3.67 min Scan# 142

Delta R.T. 0.02 min

Lab File: BG024782.D

Acq: 15 Nov 2016 3:13

Instrument :

BNA_G

ClientSampled :

F2J01

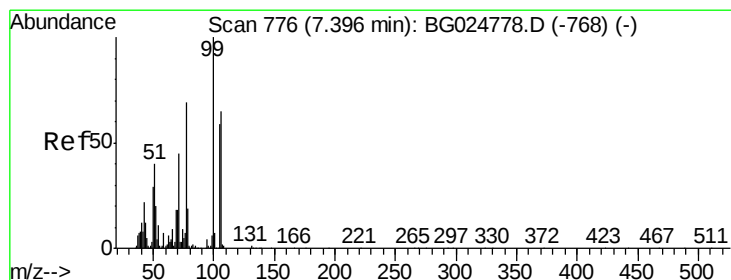
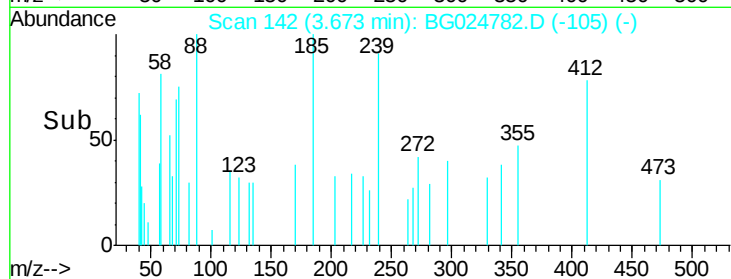
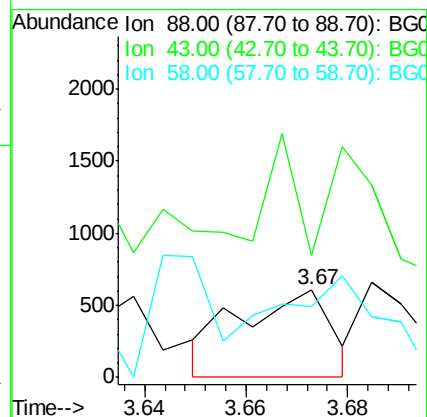
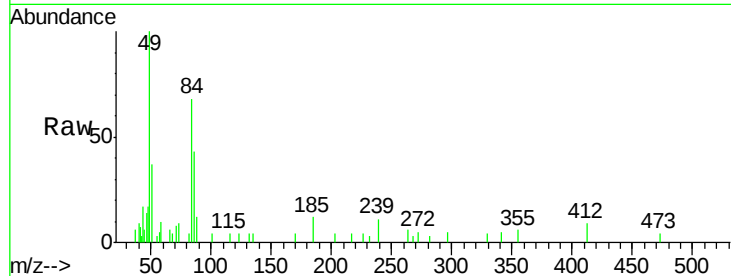
Tgt Ion: 88 Resp: 756

Ion Ratio Lower Upper

88 100

43 138.8 39.2 58.8#

58 81.0 69.4 104.0



#4

Benzaldehyde

Concen: 21.06 ng/uL

RT: 7.46 min Scan# 786

Delta R.T. 0.06 min

Lab File: BG024782.D

Acq: 15 Nov 2016 3:13

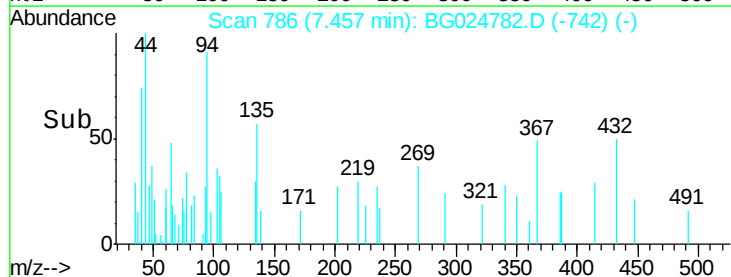
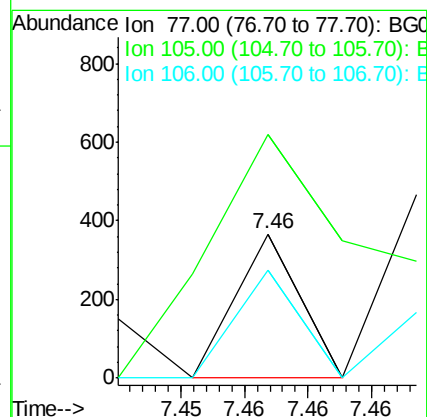
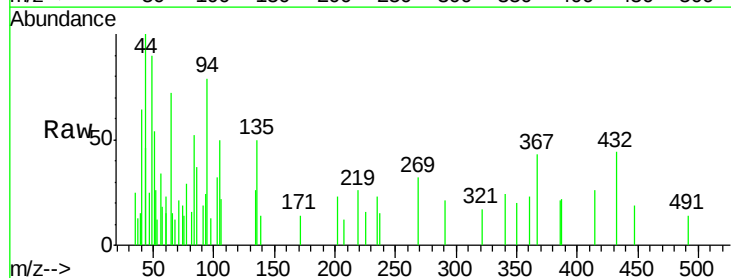
Tgt Ion: 77 Resp: 129

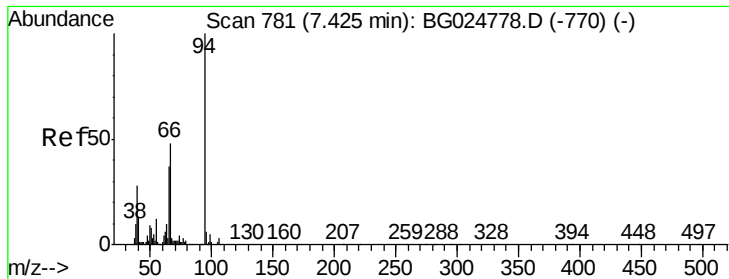
Ion Ratio Lower Upper

77 100

105 168.7 62.0 93.0#

106 74.9 60.2 90.4





#6

Phenol

Concen: 79.73 ng/ul

RT: 7.48 min Scan# 790

Delta R.T. 0.05 min

Lab File: BG024782.D

Acq: 15 Nov 2016 3:13

Instrument :

BNA_G

ClientSampleId :

F2J01

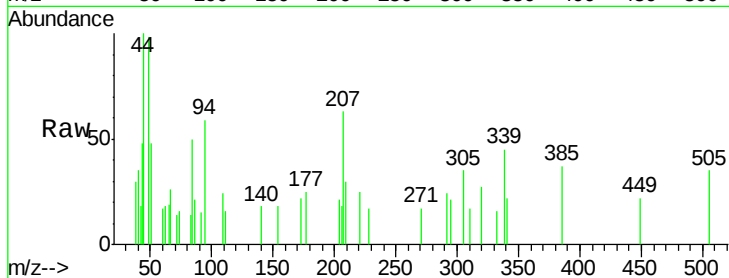
Tgt Ion: 94 Resp: 792

Ion Ratio Lower Upper

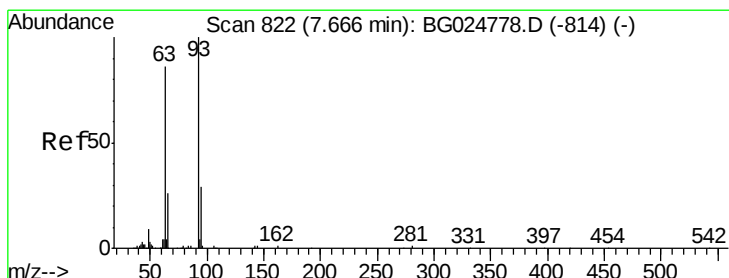
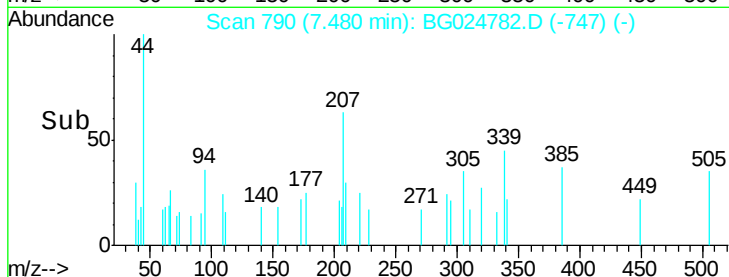
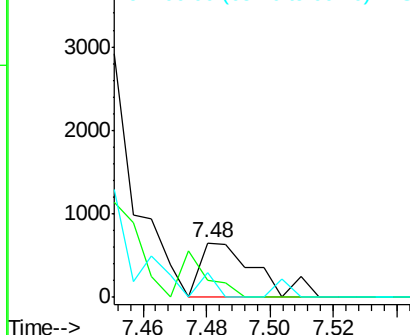
94 100

65 31.7 26.8 40.2

66 44.6 44.4 66.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#8

Bis(2-Chloroethyl)ether

Concen: 21.07 ng/ul

RT: 7.71 min Scan# 829

Delta R.T. 0.04 min

Lab File: BG024782.D

Acq: 15 Nov 2016 3:13

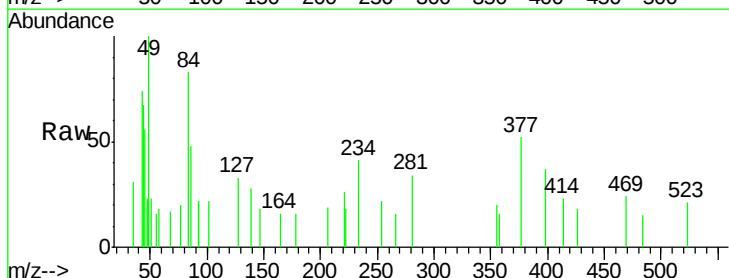
Tgt Ion: 93 Resp: 149

Ion Ratio Lower Upper

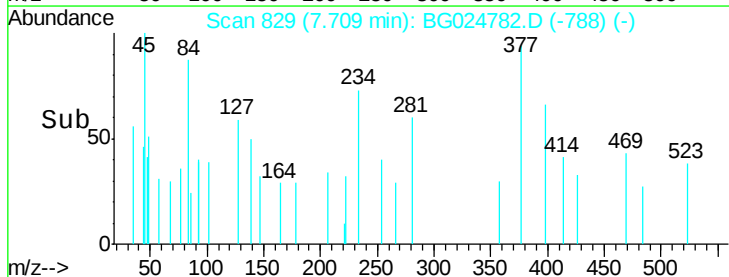
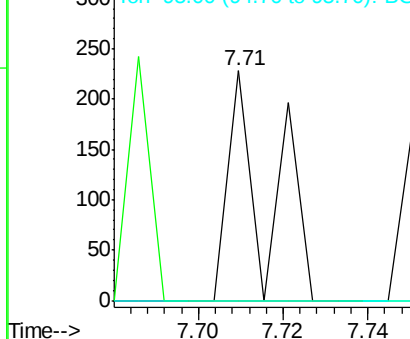
93 100

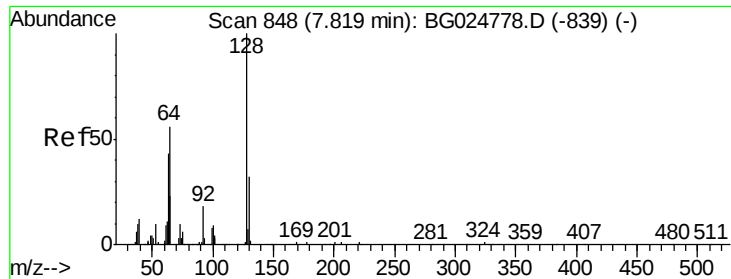
63 0.0 75.5 113.3#

95 0.0 29.2 43.8#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

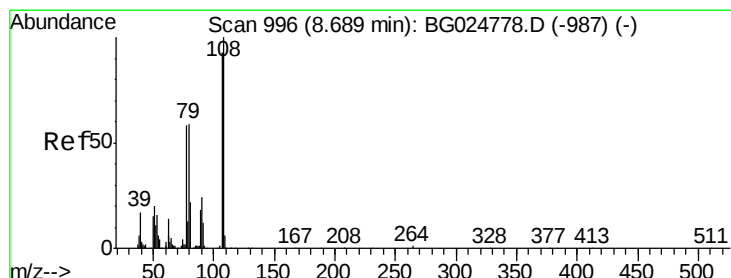
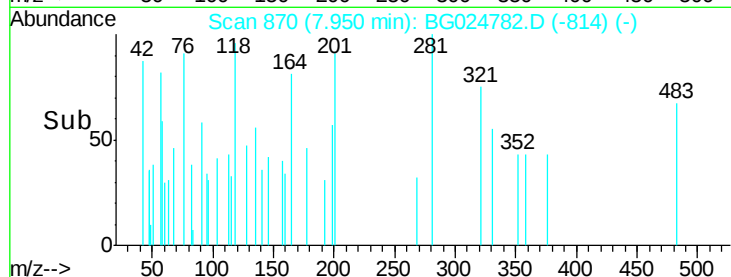
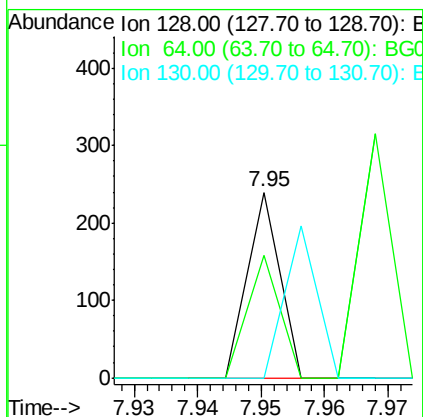
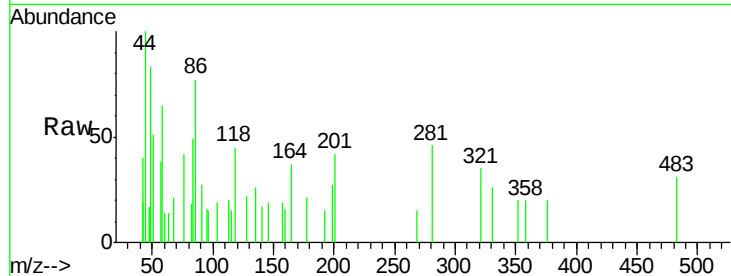




#10
 2-Chlorophenol
 Concen: 12.89 ng/ul
 RT: 7.95 min Scan# 870
 Delta R.T. 0.13 min
 Lab File: BG024782.D
 Acq: 15 Nov 2016 3:13

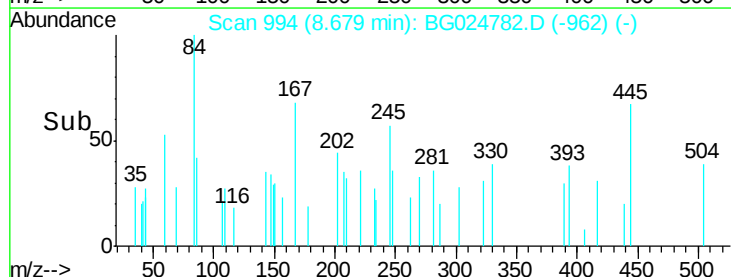
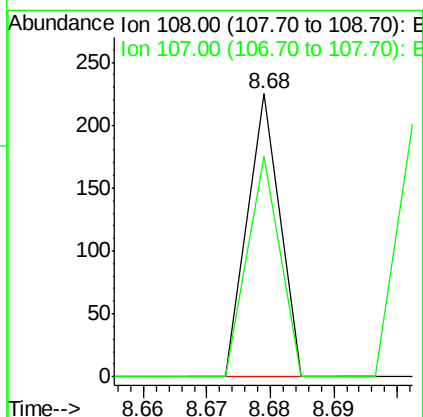
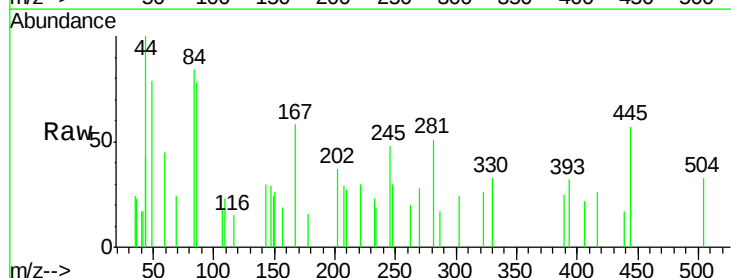
Instrument :
 BNA_G
 ClientSampleId :
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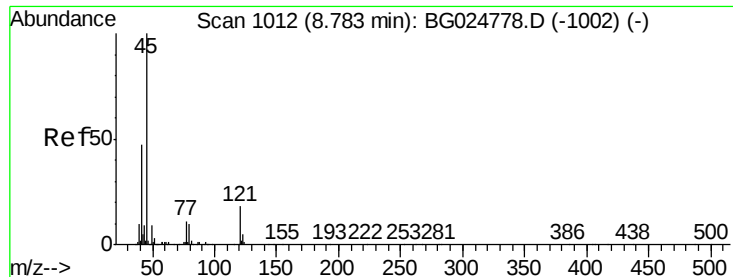
Tgt Ion	Ratio	Lower	Upper
128	100		
64	65.8	56.3	84.5
130	0.0	26.7	40.1#



#11
 2-Methylphenol
 Concen: 10.86 ng/ul
 RT: 8.68 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: BG024782.D
 Acq: 15 Nov 2016 3:13

Tgt Ion	Ratio	Lower	Upper
108	100		
107	77.8	76.7	115.1

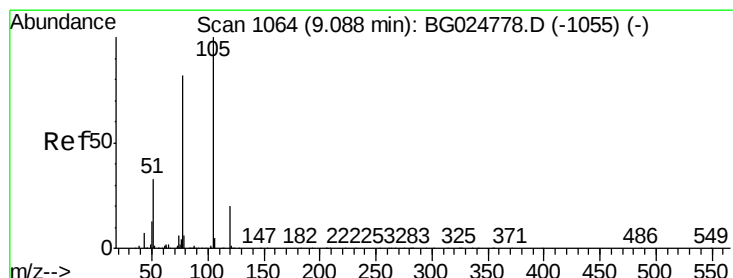
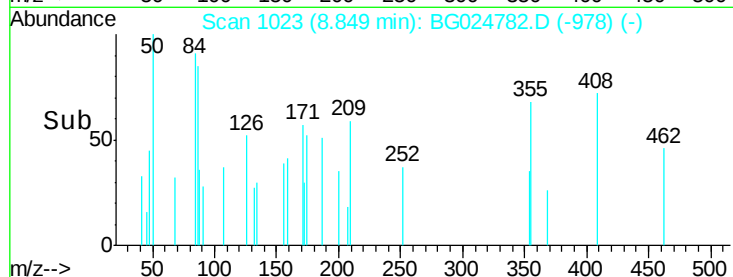
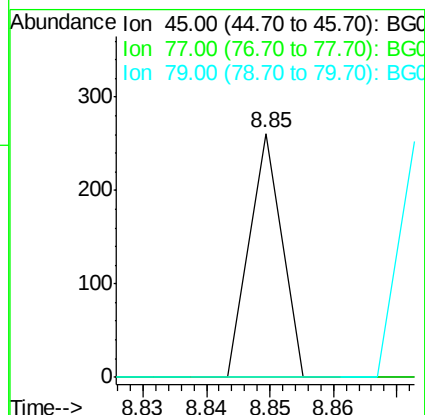
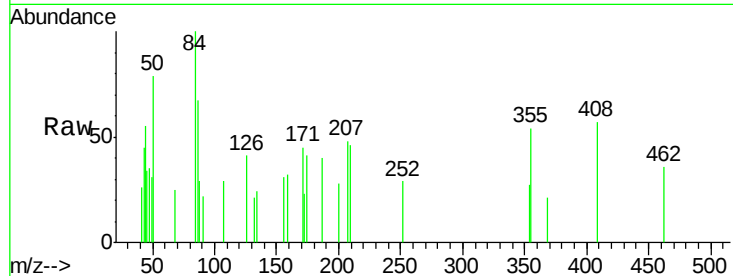




#12
2,2'-oxybis(1-Chloropropane)
Concen: 7.66 ng/ul
RT: 8.85 min Scan# 1023
Delta R.T. 0.07 min
Lab File: BG024782.D
Acq: 15 Nov 2016 3:13

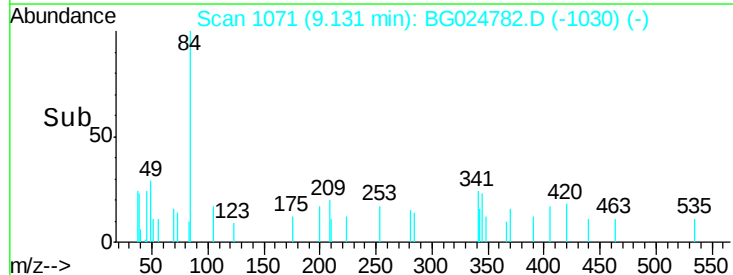
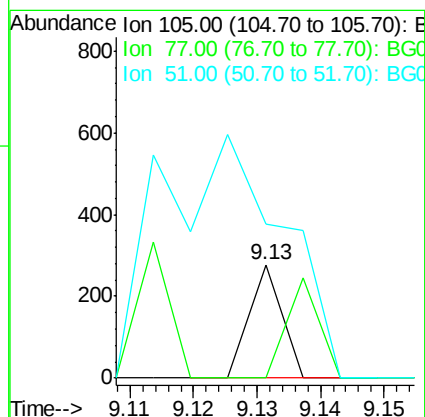
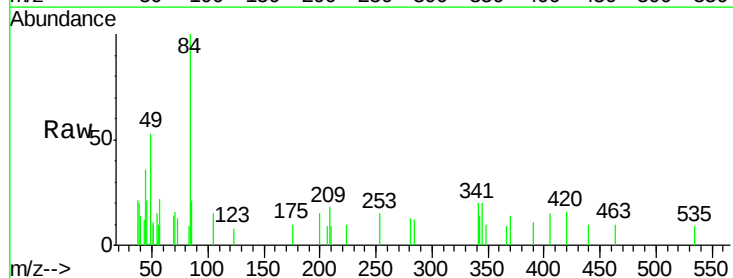
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BNA_G
ClientSampleId :
F2J01

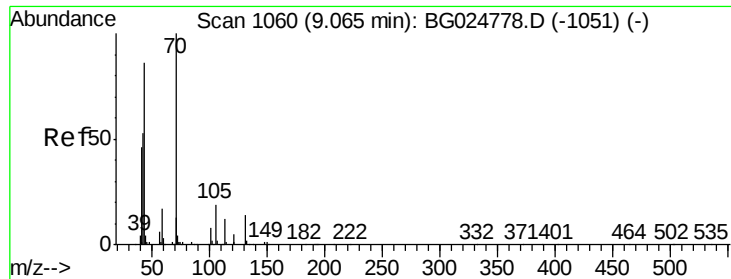
Tgt Ion: 45 Resp: 92
Ion Ratio Lower Upper
45 100
77 0.0 10.0 15.0#
79 0.0 7.3 10.9#



#14
Acetophenone
Concen: 8.15 ng/ul
RT: 9.13 min Scan# 1071
Delta R.T. 0.04 min
Lab File: BG024782.D
Acq: 15 Nov 2016 3:13

Tgt Ion: 105 Resp: 98
Ion Ratio Lower Upper
105 100
77 0.0 76.0 114.0#
51 136.1 34.8 52.2#

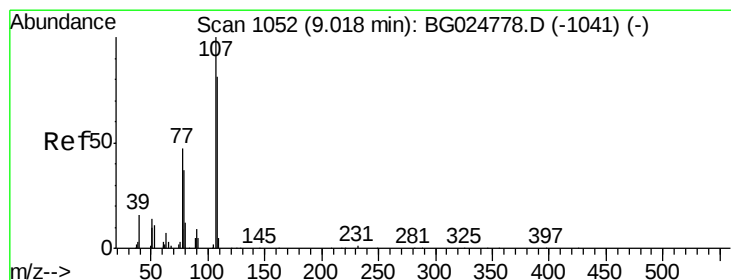
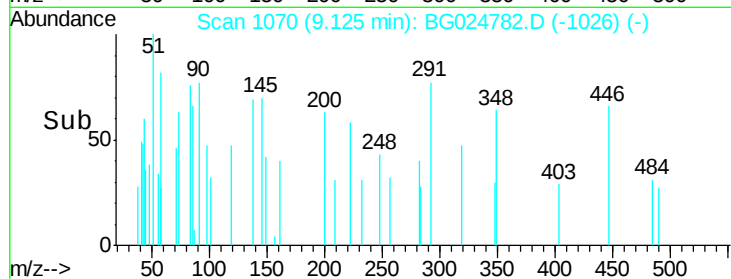
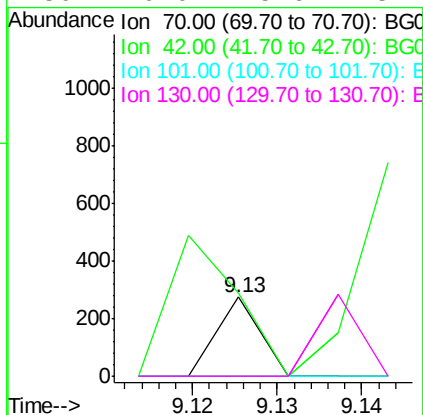
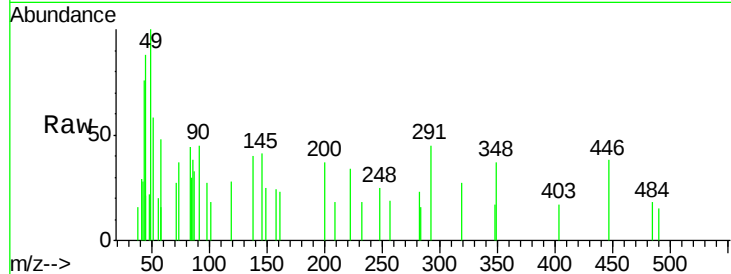




#15
 N-Nitroso-di-n-propylamine
 Concen: 14.20 ng/ul
 RT: 9.13 min Scan# 1070
 Delta R.T. 0.06 min
 Lab File: BG024782.D
 Acq: 15 Nov 2016 3:13

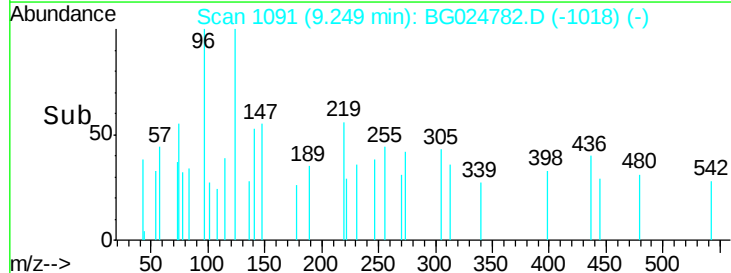
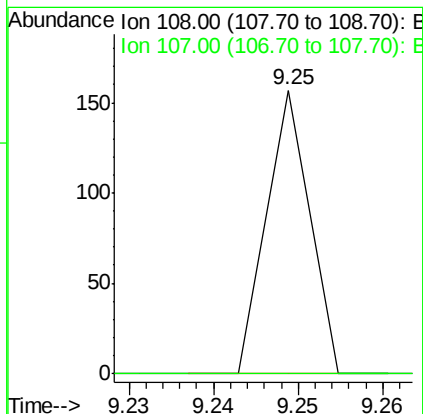
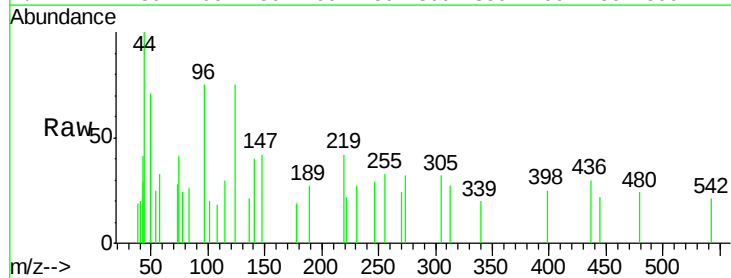
Instrument :
 BNA_G
 ClientSampleId :
 F2J01

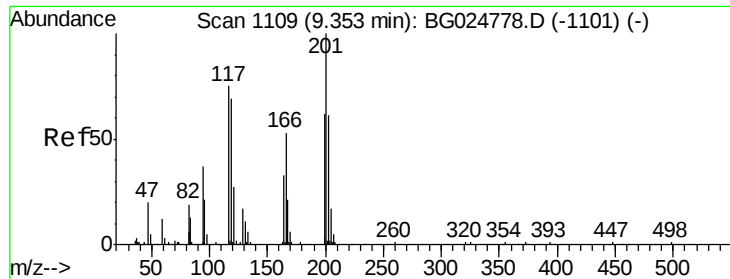
Tgt Ion:	70	Resp:	97
Ion	Ratio	Lower	Upper
70	100		
42	105.5	59.0	88.6#
101	0.0	6.6	9.8#
130	0.0	15.6	23.4#



#16
 4-Methylphenol
 Concen: 6.99 ng/ul
 RT: 9.25 min Scan# 1091
 Delta R.T. 0.23 min
 Lab File: BG024782.D
 Acq: 15 Nov 2016 3:13

Tgt Ion:	108	Resp:	55
Ion	Ratio	Lower	Upper
108	100		
107	100.0	91.7	137.5





#17

Hexachloroethane

Concen: 138.77 ng/ul

RT: 9.44 min Scan# 1123

Delta R.T. 0.08 min

Lab File: BG024782.D

Acq: 15 Nov 2016 3:13

Instrument :

BNA_G

ClientSampleId :

F2J01

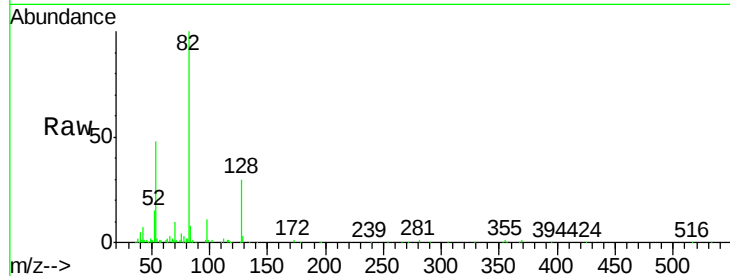
Tgt Ion:117 Resp: 419

Ion Ratio Lower Upper

117 100

201 0.0 91.9 137.9#

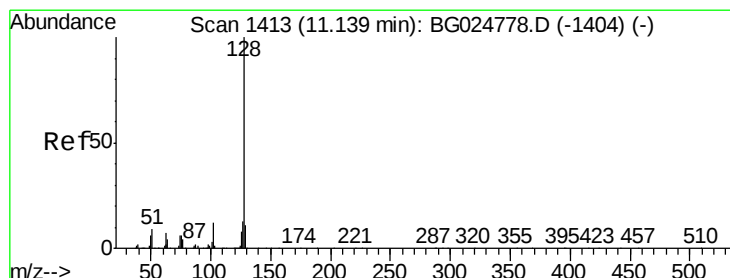
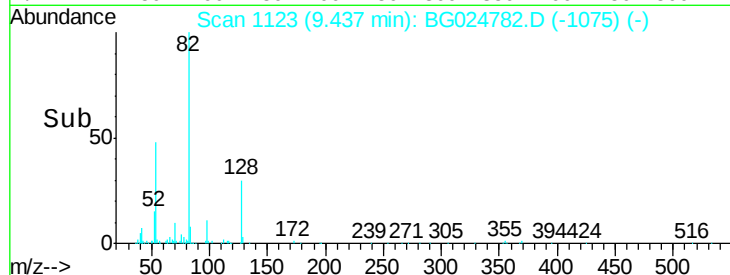
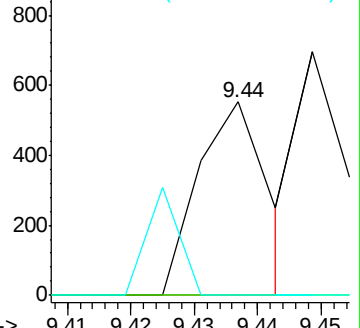
199 0.0 64.3 96.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#28

Naphthalene

Concen: 12.03 ng/ul

RT: 11.14 min Scan# 1413

Delta R.T. 0.00 min

Lab File: BG024782.D

Acq: 15 Nov 2016 3:13

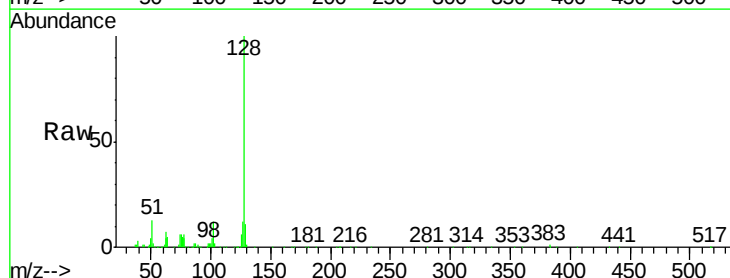
Tgt Ion:128 Resp: 213335

Ion Ratio Lower Upper

128 100

129 10.9 9.4 14.2

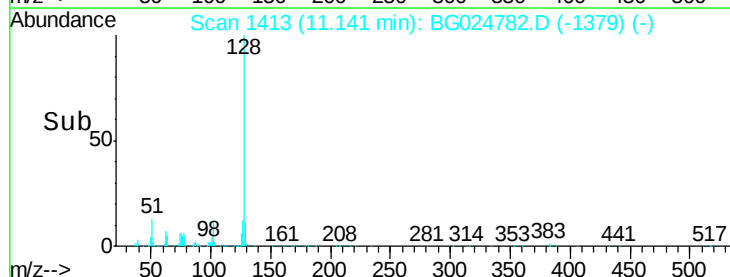
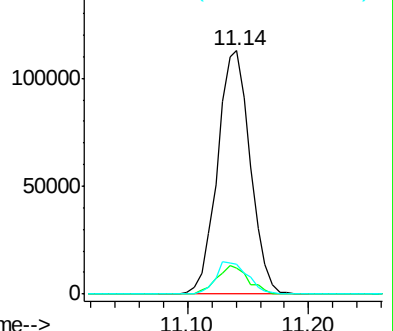
127 12.5 10.3 15.5

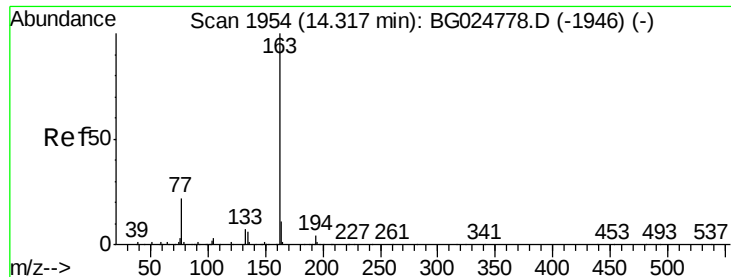


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#44

Dimethylphthalate

Concen: 4.50 ng/ul

RT: 14.32 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BG024782.D

Acq: 15 Nov 2016 3:13

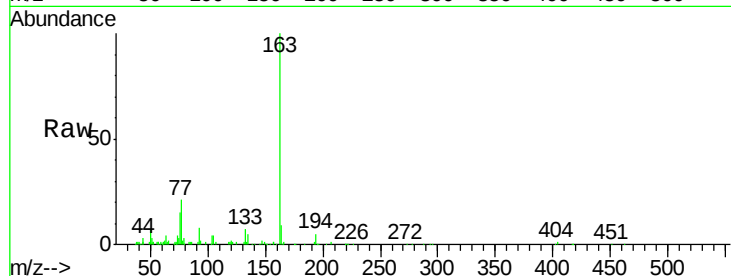
Instrument :

BNA_G

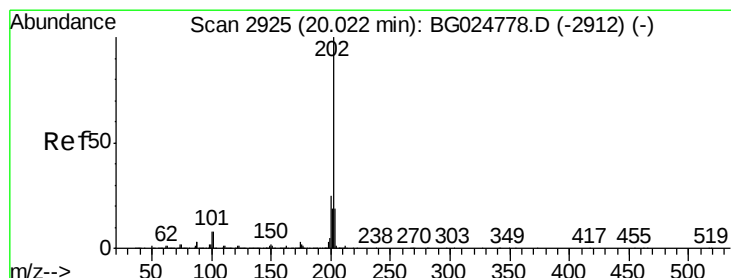
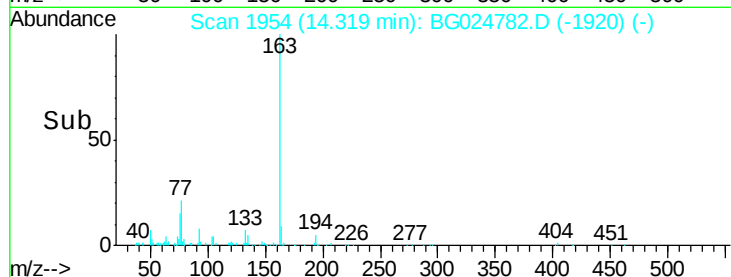
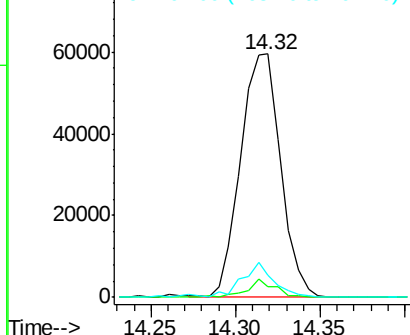
ClientSampleId :

F2J01

Tgt Ion:	163	Resp:	98167
Ion Ratio		Lower	Upper
163	100		
194	4.5	3.4	5.0
164	8.9	9.0	13.4#



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



#77

Pyrene

Concen: 1.67 ng/ul

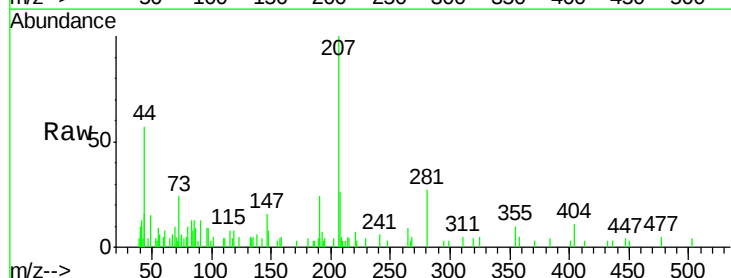
RT: 20.12 min Scan# 2942

Delta R.T. 0.10 min

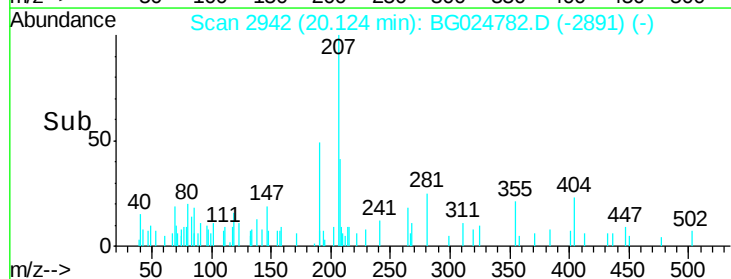
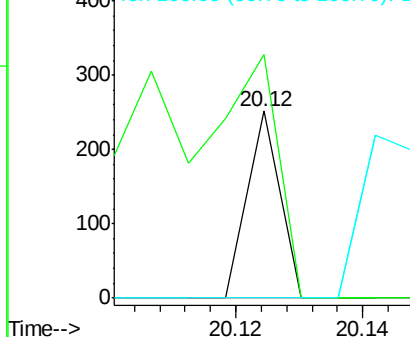
Lab File: BG024782.D

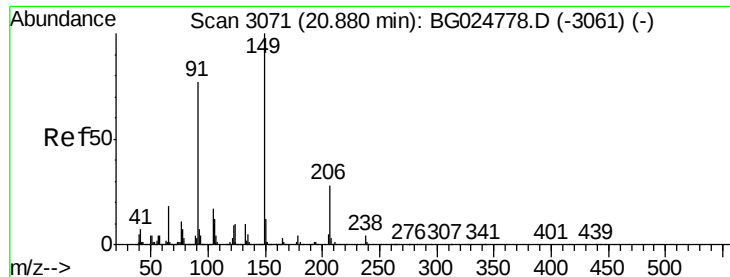
Acq: 15 Nov 2016 3:13

Tgt Ion:	202	Resp:	89
Ion Ratio		Lower	Upper
202	100		
101	130.2	6.9	10.3#
100	0.0	6.6	10.0#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





#78

Butylbenzylphthalate

Concen: 14.99 ng/ul

RT: 21.00 min Scan# 3091

Delta R.T. 0.12 min

Lab File: BG024782.D

Acq: 15 Nov 2016 3:13

Instrument :

BNA_G

ClientSampleId :

F2J01

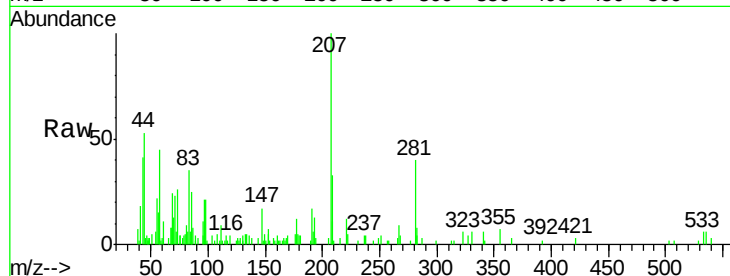
Tgt Ion:149 Resp: 327

Ion Ratio Lower Upper

149 100

91 55.5 65.8 98.6#

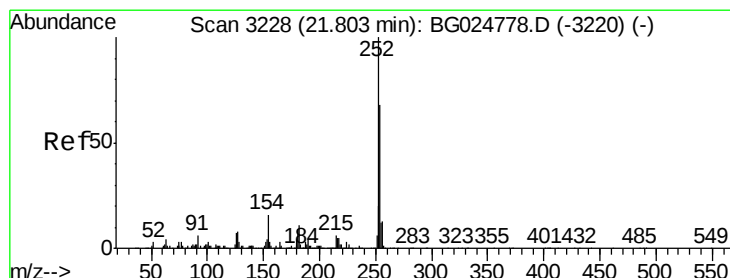
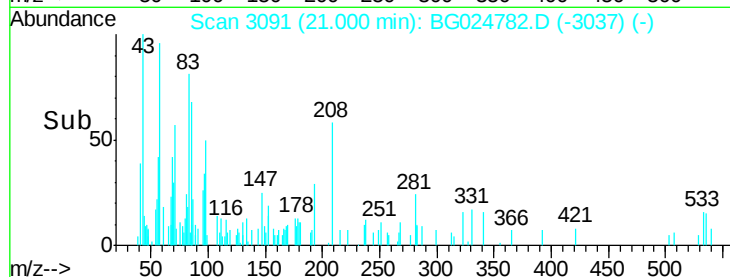
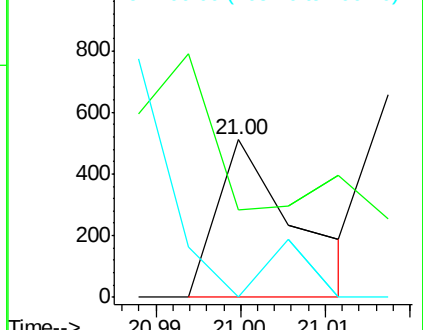
206 0.0 20.1 30.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#79

3,3'-Dichlorobenzidine

Concen: 26.53 ng/ul

RT: 21.93 min Scan# 3250

Delta R.T. 0.13 min

Lab File: BG024782.D

Acq: 15 Nov 2016 3:13

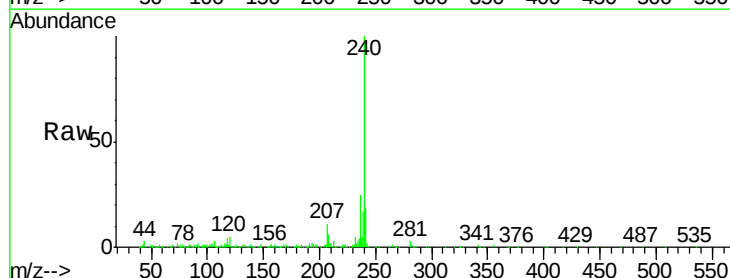
Tgt Ion:252 Resp: 553

Ion Ratio Lower Upper

252 100

254 0.0 49.0 73.6#

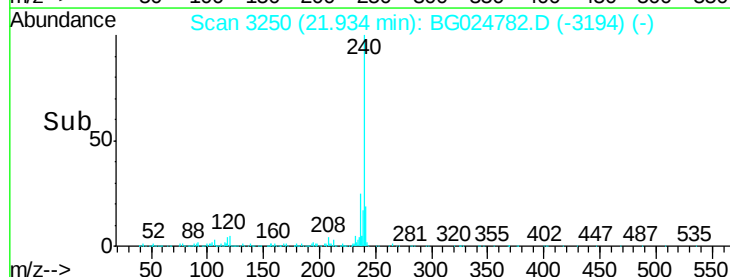
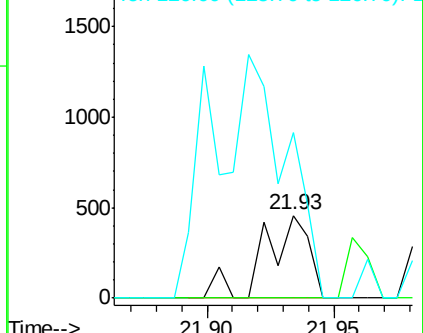
126 199.8 5.1 7.7#

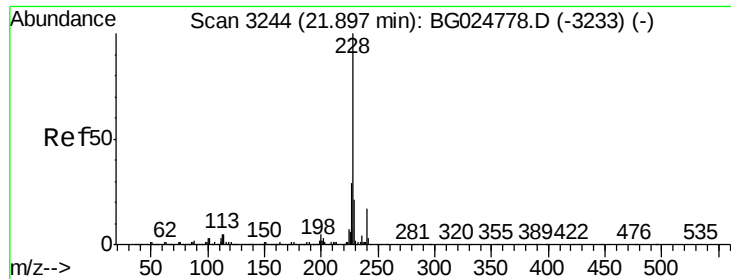


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#80

Benzo(a)anthracene

Concen: 1.61 ng/ul

RT: 22.01 min Scan# 3263

Delta R.T. 0.11 min

Lab File: BG024782.D

Acq: 15 Nov 2016 3:13

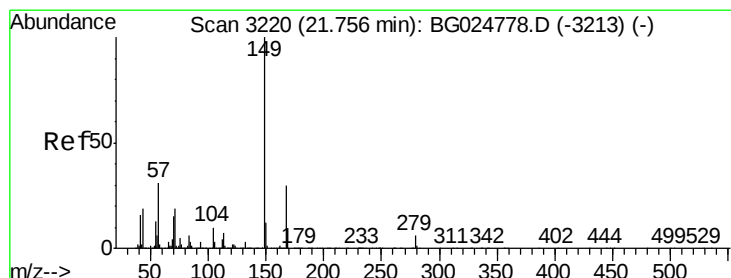
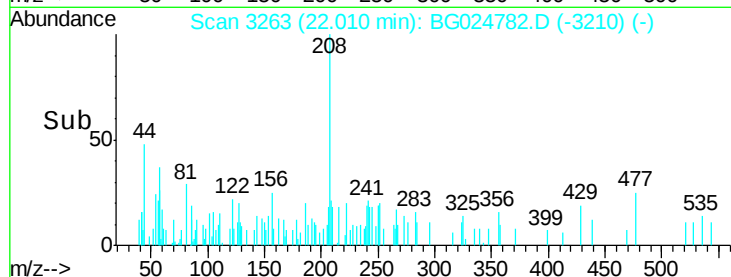
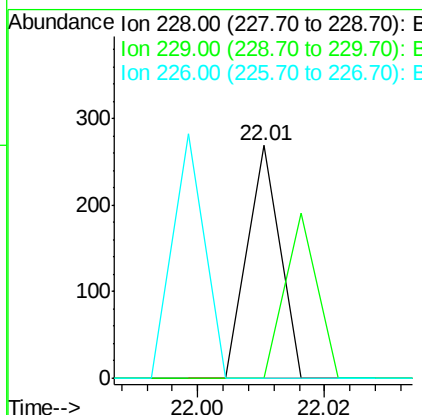
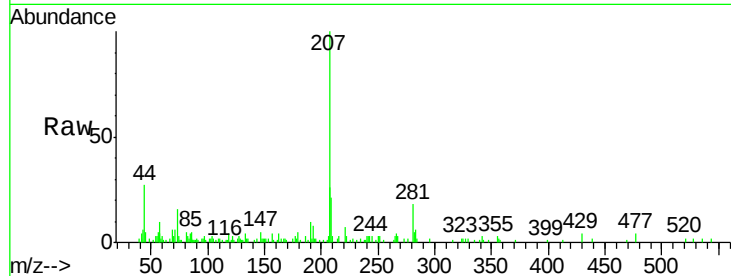
Instrument :

BNA_G

ClientSampleId :

F2J01

Tgt Ion:	228	Resp:	95
Ion	Ratio	Lower	Upper
228	100		
229	0.0	16.3	24.5#
226	0.0	21.9	32.9#



#81

Bis(2-ethylhexyl)phthalate

Concen: 13.17 ng/ul

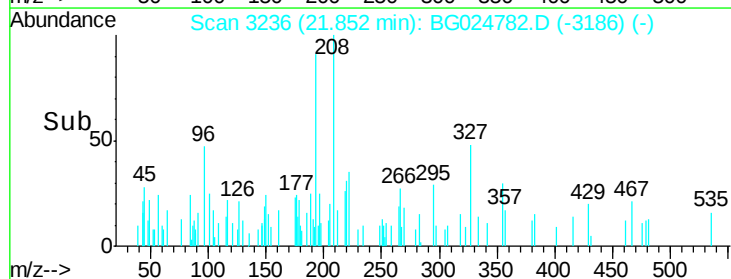
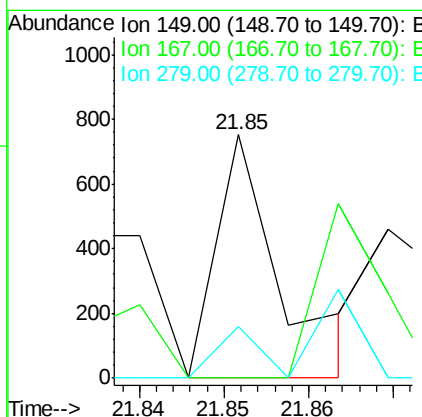
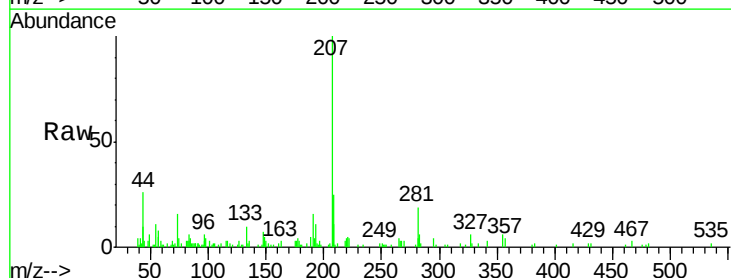
RT: 21.85 min Scan# 3236

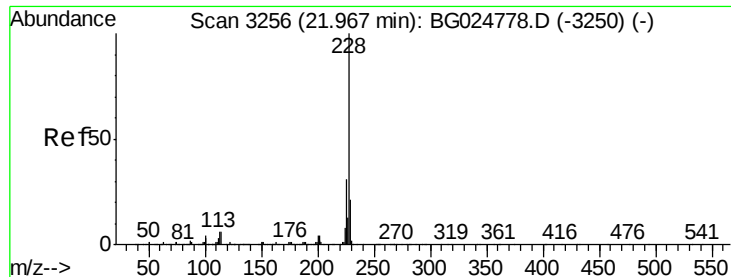
Delta R.T. 0.10 min

Lab File: BG024782.D

Acq: 15 Nov 2016 3:13

Tgt Ion:	149	Resp:	393
Ion	Ratio	Lower	Upper
149	100		
167	0.0	21.8	32.8#
279	21.0	4.5	6.7#





#82

Chrysene

Concen: 2.93 ng/ul

RT: 22.10 min Scan# 3279

Delta R.T. 0.14 min

Lab File: BG024782.D

Acq: 15 Nov 2016 3:13

Instrument :

BNA_G

ClientSampleId :

F2J01

Tgt Ion:228 Resp: 162

Ion Ratio Lower Upper

228 100

226 0.0 24.0 36.0#

229 0.0 16.9 25.3#

