

Data File : BG026728.D
Acq On : 28 Apr 2017 1:12
Operator : SJ/MA
Sample : I2807-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHSM8

Quant Time: Apr 28 01:49:57 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 28 01:45:47 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	164621	20.00	ng/ul	0.00
18) Naphthalene-d8	10.81	136	821491	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.62	164	455634	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.35	188	875262	20.00	ng/ul	0.00
75) Chrysene-d12	21.60	240	763685	20.00	ng/ul	0.00
83) Perylene-d12	24.76	264	799150	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.43	96	17302	4.73	ng/uL	0.00
5) Phenol-d5	7.19	99	437768	29.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.33	67	245167	28.38	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	356770	28.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	357374	29.31	ng/ul	0.00
19) Nitrobenzene-d5	9.17	128	191850	27.94	ng/ul	0.00
22) 2-Nitrophenol-d4	9.89	143	216709	29.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.44	165	340812	28.72	ng/ul	0.00
29) 4-Chloroaniline-d4	10.94	131	455172	28.66	ng/ul	0.00
43) Dimethylphthalate-d6	14.02	166	1060573	28.92	ng/ul	0.00
46) Acenaphthylene-d8	14.32	160	1351283	29.33	ng/ul	0.00
51) 4-Nitrophenol-d4	14.84	143	169721	25.68	ng/ul	0.00
57) Fluorene-d10	15.61	176	922092	28.81	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.73	200	141358	26.60	ng/ul	0.00
70) Anthracene-d10	17.45	188	1279835	30.13	ng/ul	0.00
76) Pyrene-d10	19.73	212	1187861	29.47	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.55	264	1156236	30.60	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.46	88	458	0.11	ng/uL#	32
4) Benzaldehyde	7.16	77	432	0.06	ng/ul#	11
6) Phenol	7.22	94	10924	0.73	ng/ul	90
8) Bis(2-Chloroethyl)ether	7.43	93	1962	0.17	ng/ul#	75
10) 2-Chlorophenol	7.62	128	71	0.01	ng/ul#	23
11) 2-Methylphenol	8.29	108	53	0.00	ng/ul#	2
12) 2,2'-oxybis(1-Chloropropan	8.55	45	54	0.00	ng/ul#	71
14) Acetophenone	8.84	105	330	0.02	ng/ul#	44
15) N-Nitroso-di-n-propylamine	8.82	70	57	0.01	ng/ul#	27
16) 4-Methylphenol	8.83	108	56	0.00	ng/ul	87
17) Hexachloroethane	9.00	117	76	0.02	ng/ul#	1
20) Nitrobenzene	9.22	77	82	0.01	ng/ul#	47
21) Isophorone	9.72	82	232	0.01	ng/ul#	67
23) 2-Nitrophenol	9.75	139	63	0.01	ng/ul#	15
24) 2,4-Dimethylphenol	9.99	107	94	0.01	ng/ul#	19
25) Bis(2-Chloroethoxy)methane	10.20	93	65	0.00	ng/ul#	17
27) 2,4-Dichlorophenol	10.44	162	156	0.01	ng/ul#	1
28) Naphthalene	10.86	128	1095	0.03	ng/ul#	68
30) 4-Chloroaniline	10.94	127	73	0.00	ng/ul#	1
31) Hexachlorobutadiene	11.01	225	62	0.01	ng/ul#	23
32) Caprolactam	11.73	113	56	0.01	ng/ul#	34
33) 4-Chloro-3-methylphenol	12.14	107	169	0.01	ng/ul#	25
34) 2-Methylnaphthalene	12.47	142	136	0.00	ng/ul#	50

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36) 1,2,4,5-Tetrachlorobenzene	12.92	216	59	0.00	ng/ul#	23
37) Hexachlorocyclopentadiene	13.02	237	55	0.01	ng/ul#	27
40) 1,1'-Biphenyl	13.46	154	526	0.01	ng/ul#	33
41) 2-Chloronaphthalene	13.57	162	81	0.00	ng/ul#	40
42) 2-Nitroaniline	13.72	65	101	0.01	ng/ul#	14
44) Dimethylphthalate	14.07	163	168029	4.68	ng/ul	98
45) 2,6-Dinitrotoluene	14.16	165	288	0.04	ng/ul#	26
47) Acenaphthylene	14.35	152	249	0.01	ng/ul#	59
48) 3-Nitroaniline	14.50	138	72	0.01	ng/ul#	1
49) Acenaphthene	14.74	153	54	0.00	ng/ul#	13
50) 2,4-Dinitrophenol	14.99	184	54	0.01	ng/ul#	8
52) 4-Nitrophenol	14.83	109	747	0.19	ng/ul#	1
53) Dibenzofuran	15.03	168	340	0.01	ng/ul#	33
54) 2,4-Dinitrotoluene	14.99	165	55	0.01	ng/ul#	24
56) Diethylphthalate	15.43	149	1829	0.05	ng/ul#	88
58) Fluorene	15.66	166	77	0.00	ng/ul#	8
60) 4-Nitroaniline	15.68	138	56	0.01	ng/ul#	84
63) 4,6-Dinitro-2-methylphenol	15.76	198	72	0.01	ng/ul#	1
64) N-Nitrosodiphenylamine	15.86	169	623	0.02	ng/ul#	75
65) 4-Bromophenyl-phenylether	16.67	248	123	0.01	ng/ul#	10
67) Atrazine	16.78	200	203	0.02	ng/ul#	35
68) Pentachlorophenol	16.98	266	53	0.01	ng/ul#	18
69) Phenanthrene	17.39	178	1536	0.03	ng/ul#	75
71) Anthracene	17.49	178	419	0.01	ng/ul#	59
72) Carbazole	17.78	167	389	0.01	ng/ul#	4
73) Di-n-butylphthalate	18.31	149	3235	0.06	ng/ul#	90
74) Fluoranthene	19.40	202	770	0.02	ng/ul#	1
77) Pyrene	19.76	202	1017	0.02	ng/ul#	1
78) Butylbenzylphthalate	20.58	149	691	0.03	ng/ul	90
79) 3,3'-Dichlorobenzidine	21.51	252	524	0.04	ng/ul#	31
80) Benzo(a)anthracene	21.56	228	244	0.01	ng/ul#	45
81) Bis(2-ethylhexyl)phthalate	21.48	149	14240	0.42	ng/ul#	89
82) Chrysene	21.67	228	390	0.01	ng/ul#	17
84) Di-n-octyl phthalate	22.68	149	381	0.01	ng/ul	100
85) Benzo(b)fluoranthene	23.73	252	544	0.01	ng/ul#	1
86) Benzo(k)fluoranthene	23.83	252	914	0.02	ng/ul#	1
88) Benzo(a)pyrene	24.63	252	411	0.01	ng/ul#	1
89) Indeno(1,2,3-cd)pyrene	28.35	276	125	0.00	ng/ul#	1
90) Dibenzo(a,h)anthracene	28.40	278	122	0.00	ng/ul#	1
91) Benzo(g,h,i)perylene	29.47	276	234	0.01	ng/ul#	1

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

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Client Sampled :

JHSM8

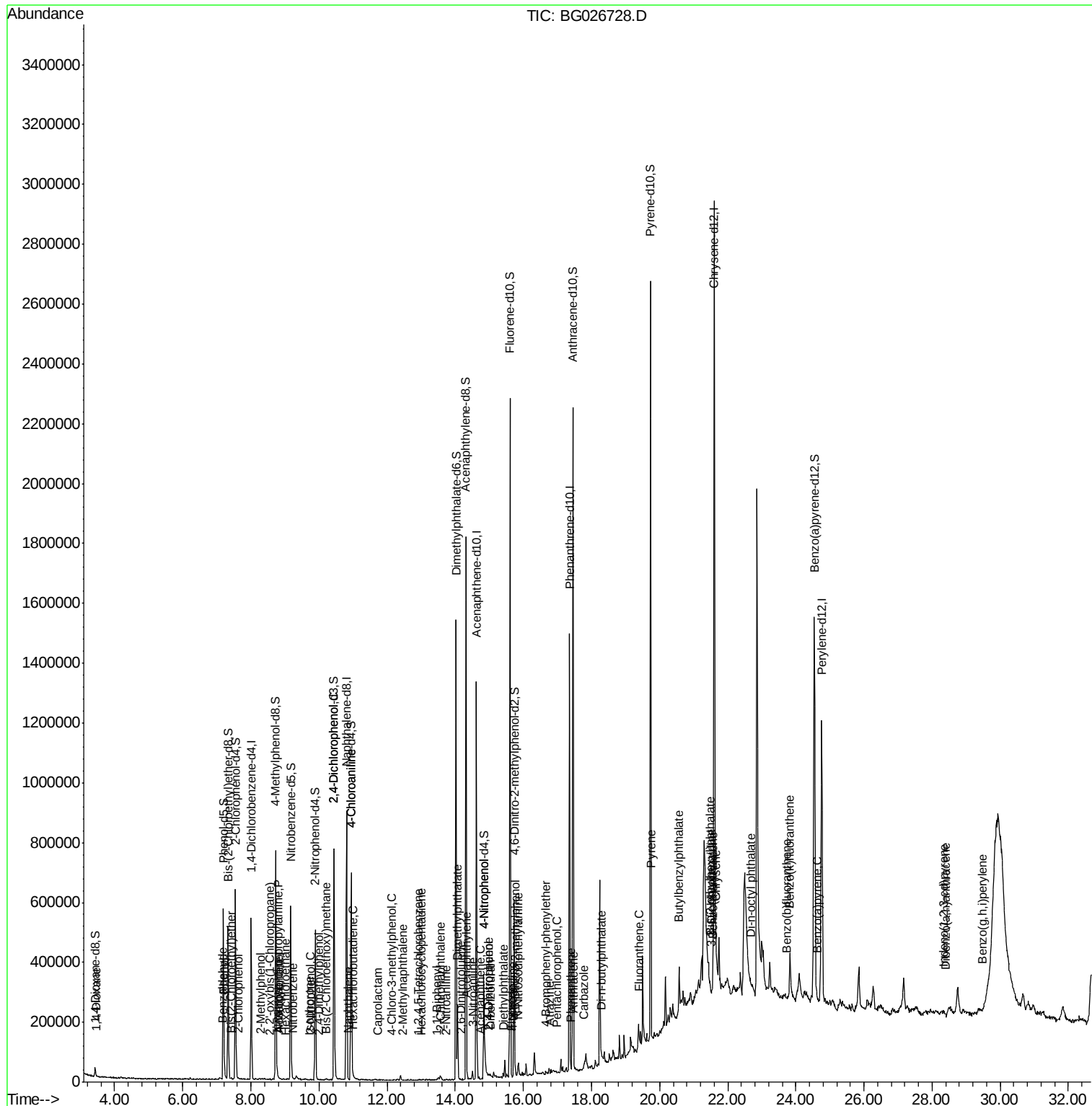
Quant Time: Apr 28 01:49:57 2017

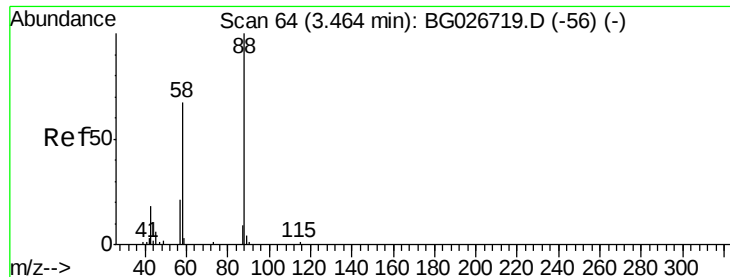
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#2

1,4-Dioxane

Concen: 0.11 ng/uL

RT: 3.46 min Scan# 64

Delta R.T. -0.00 min

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Acq: 28 Apr 2017 1:12

Instrument :

BNA_G

ClientSampleId :

JHSM8

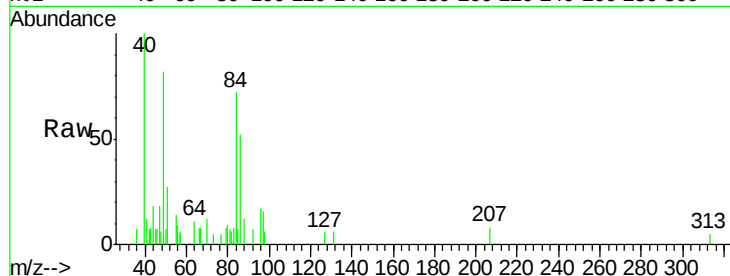
Tgt Ion: 88 Resp: 458

Ion Ratio Lower Upper

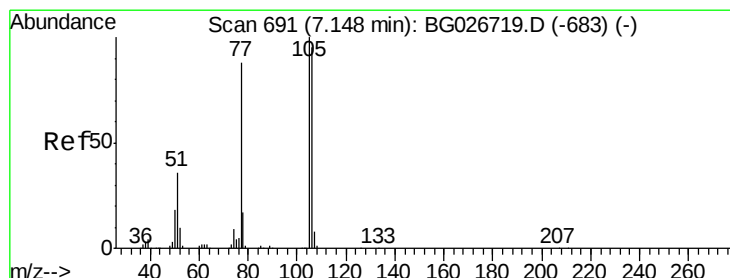
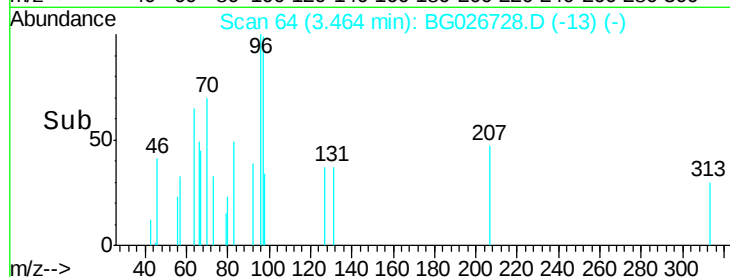
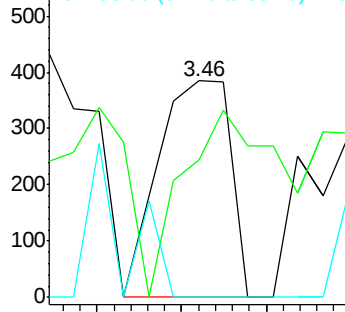
88 100

43 63.4 39.2 58.8#

58 0.0 69.4 104.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 43.00 (42.70 to 43.70): BGC
Ion 58.00 (57.70 to 58.70): BGC



#4

Benzaldehyde

Concen: 0.06 ng/uL

RT: 7.16 min Scan# 693

Delta R.T. 0.01 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

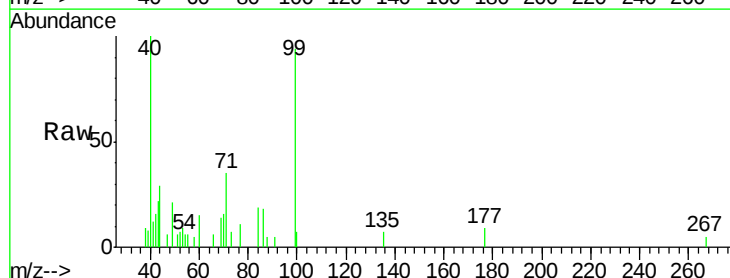
Tgt Ion: 77 Resp: 432

Ion Ratio Lower Upper

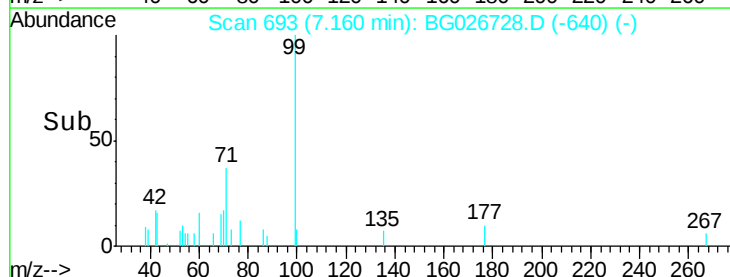
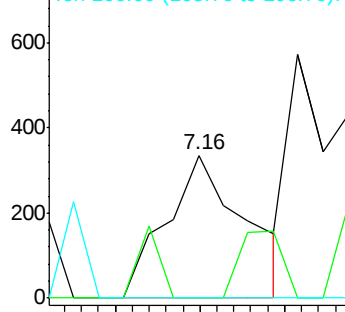
77 100

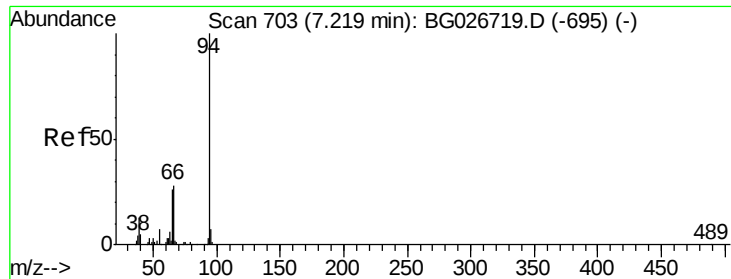
105 0.0 62.0 93.0#

106 0.0 60.2 90.4#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#6

Phenol

Concen: 0.73 ng/ul

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

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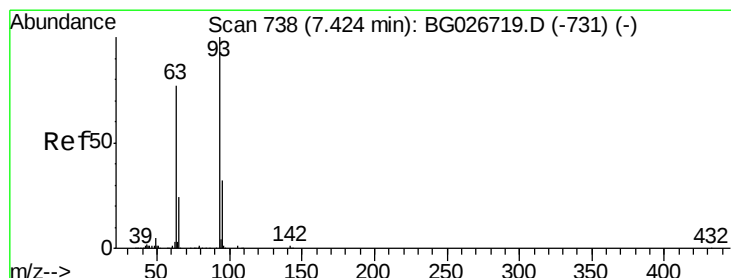
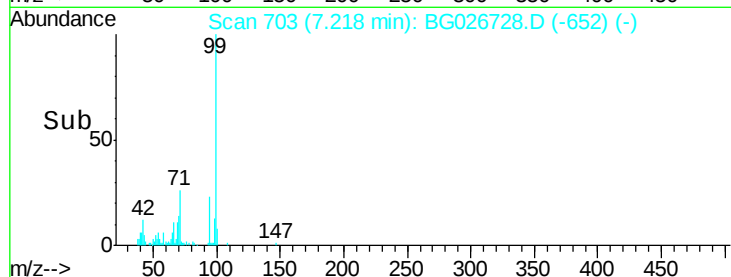
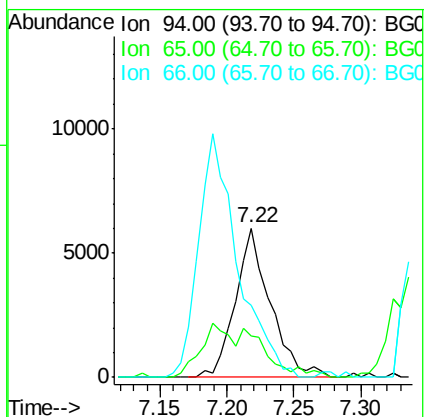
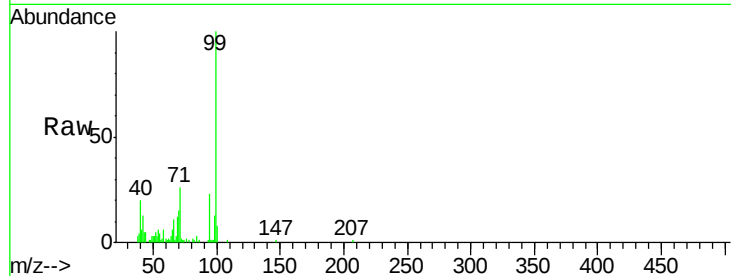
Tgt Ion: 94 Resp: 10924

Ion Ratio Lower Upper

94 100

65 28.1 26.8 40.2

66 48.5 44.4 66.6



#8

Bis(2-Chloroethyl)ether

Concen: 0.17 ng/ul

RT: 7.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

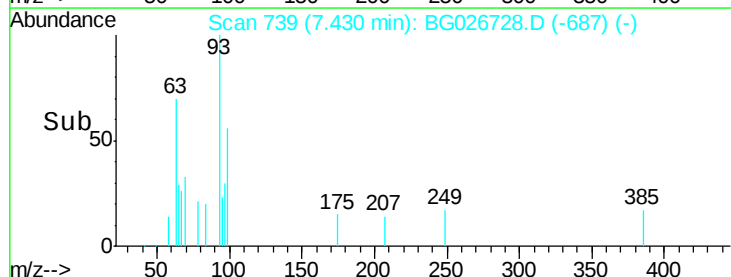
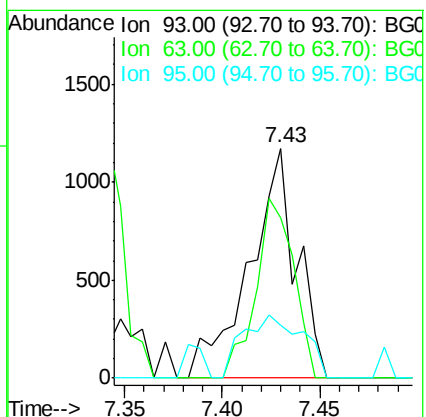
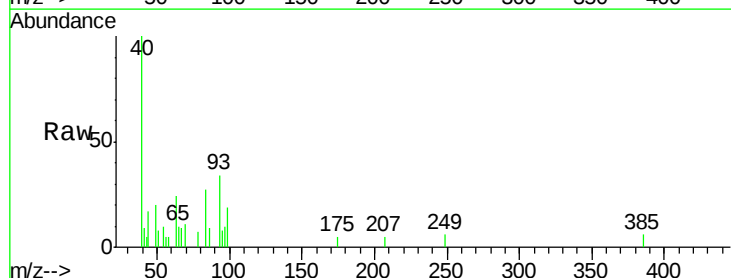
Tgt Ion: 93 Resp: 1962

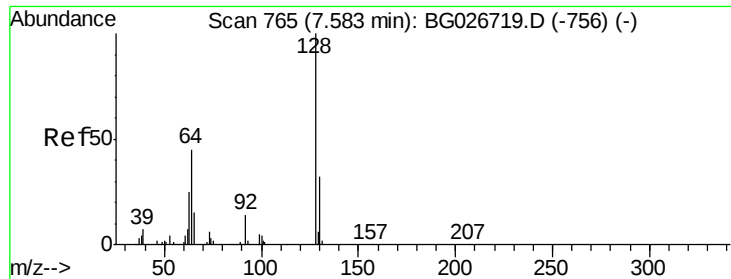
Ion Ratio Lower Upper

93 100

63 69.9 75.5 113.3#

95 23.2 29.2 43.8#

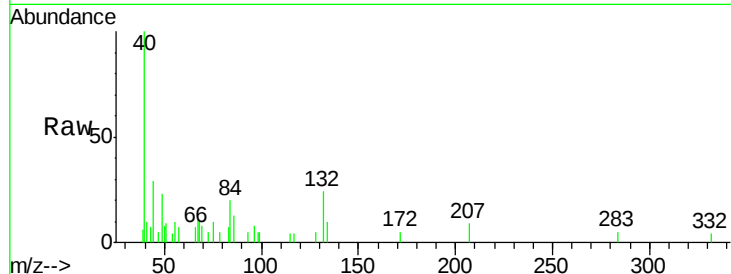




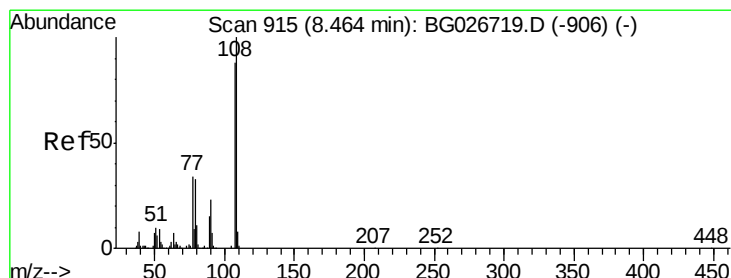
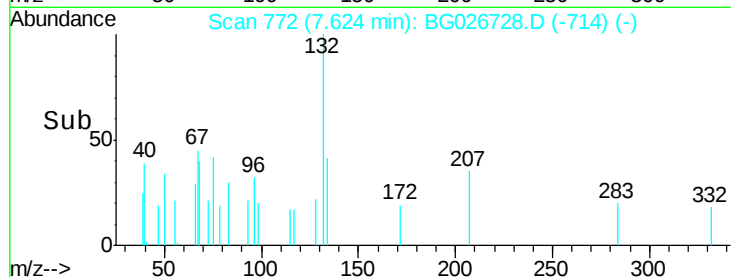
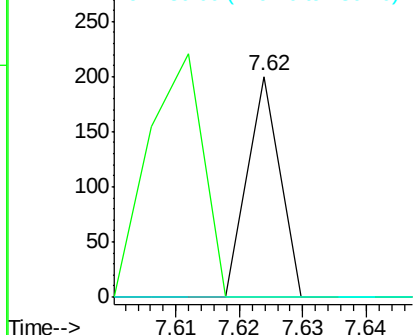
#10
2-Chlorophenol
Concen: 0.01 ng/ul
RT: 7.62 min Scan# 772
Delta R.T. 0.04 min
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Tgt Ion:128 Resp: 71
Ion Ratio Lower Upper
128 100
64 0.0 56.3 84.5#
130 0.0 26.7 40.1#

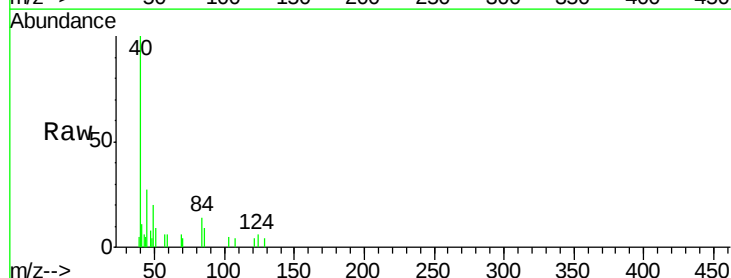


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 130.00 (129.70 to 130.70): E

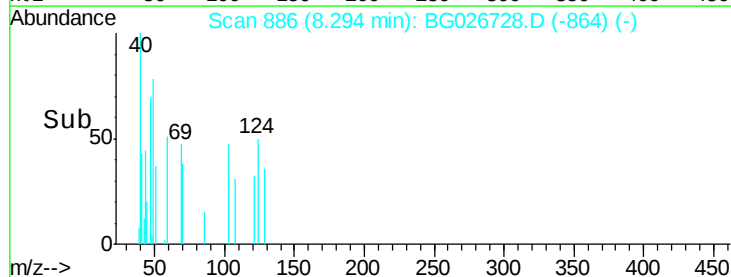
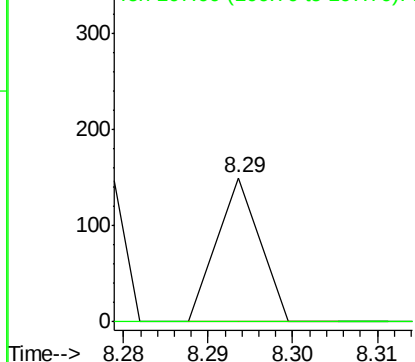


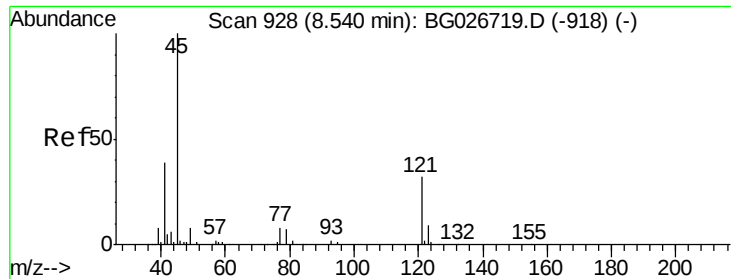
#11
2-Methylphenol
Concen: 0.00 ng/ul
RT: 8.29 min Scan# 886
Delta R.T. -0.17 min
Lab File: BG026728.D
Acq: 28 Apr 2017 1:12

Tgt Ion:108 Resp: 53
Ion Ratio Lower Upper
108 100
107 0.0 76.7 115.1#



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

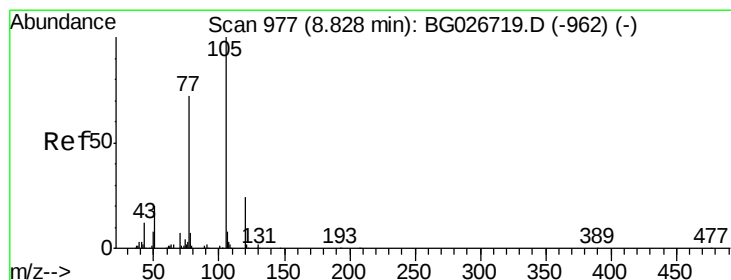
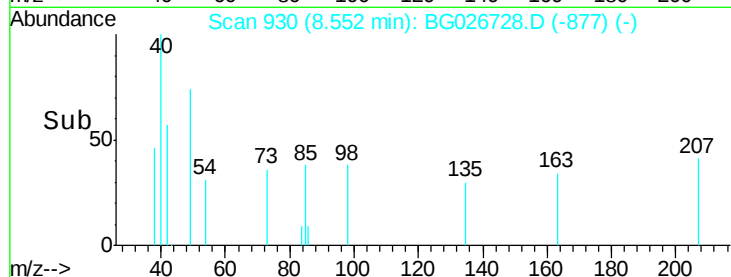
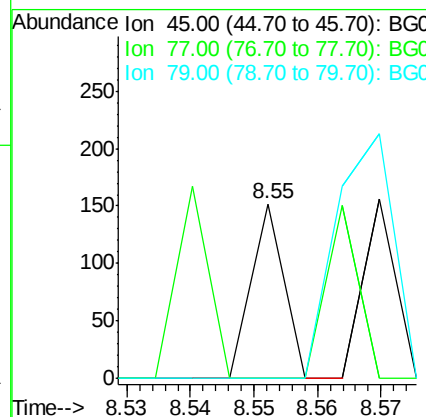
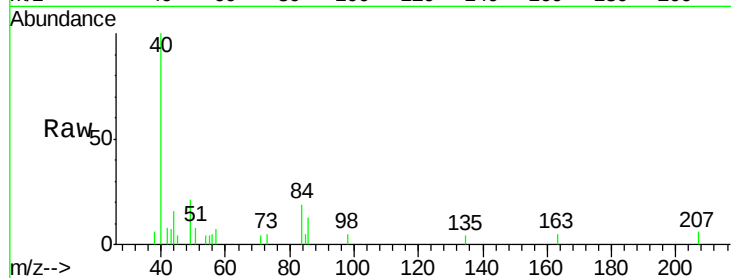




#12
2,2'-oxybis(1-Chloropropane)
Concen: 0.00 ng/ul
RT: 8.55 min Scan# 930
Delta R.T. 0.01 min
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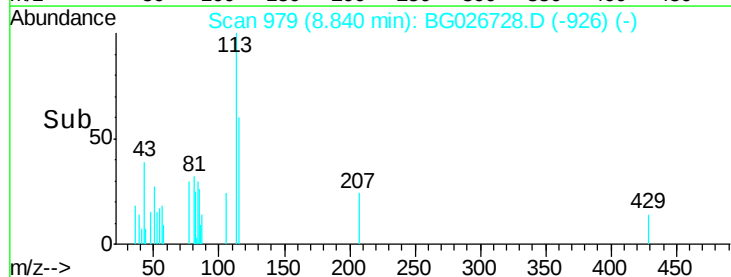
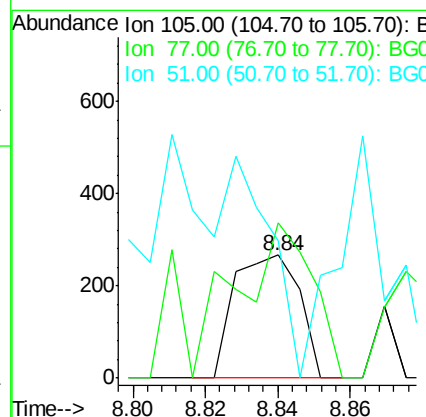
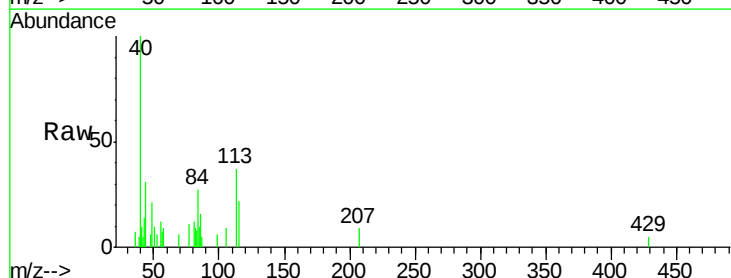
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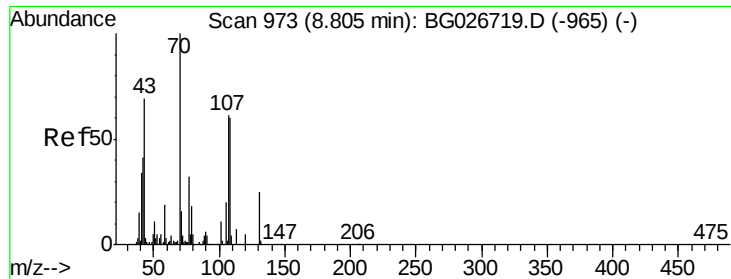
Tgt Ion: 45 Resp: 54
Ion Ratio Lower Upper
45 100
77 0.0 10.0 15.0#
79 0.0 7.3 10.9#



#14
Acetophenone
Concen: 0.02 ng/ul
RT: 8.84 min Scan# 979
Delta R.T. 0.01 min
Lab File: BG026728.D
Acq: 28 Apr 2017 1:12

Tgt Ion: 105 Resp: 330
Ion Ratio Lower Upper
105 100
77 126.7 76.0 114.0#
51 112.4 34.8 52.2#





#15

N-Nitroso-di-n-propylamine

Concen: 0.01 ng/ul

RT: 8.82 min Scan# 975

Delta R.T. 0.01 min

Lab File: BG026728.D

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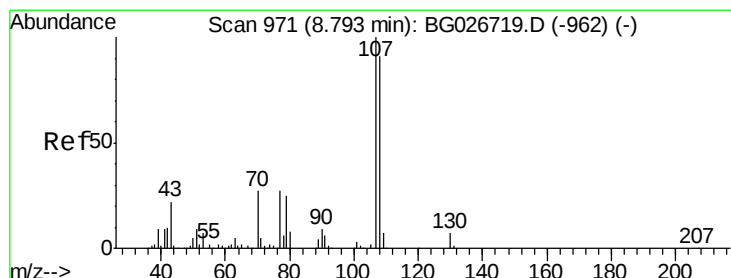
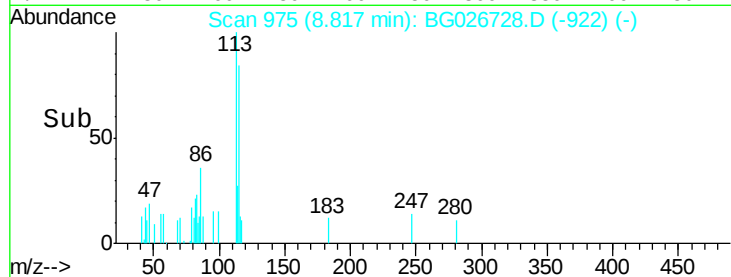
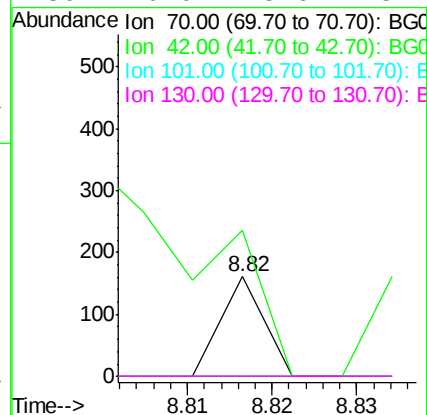
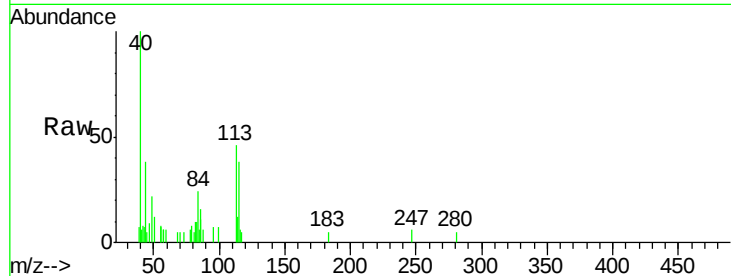
Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:	70	Resp:	57
Ion	Ratio	Lower	Upper
70	100		
42	146.6	59.0	88.6#
101	0.0	6.6	9.8#
130	0.0	15.6	23.4#



#16

4-Methylphenol

Concen: 0.00 ng/ul

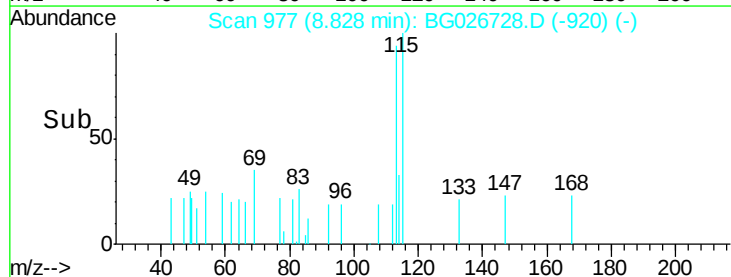
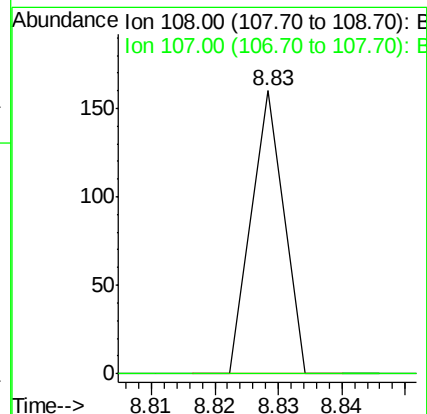
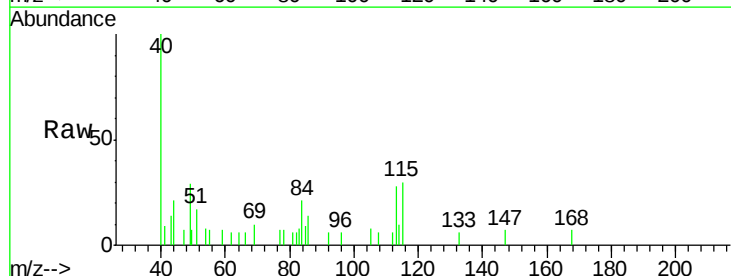
RT: 8.83 min Scan# 977

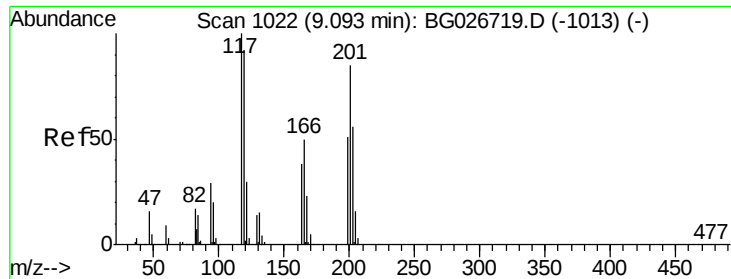
Delta R.T. 0.04 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

Tgt Ion:	108	Resp:	56
Ion	Ratio	Lower	Upper
108	100		
107	100.0	91.7	137.5





#17

Hexachloroethane

Concen: 0.02 ng/ul

RT: 9.00 min Scan# 1006

Delta R.T. -0.09 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

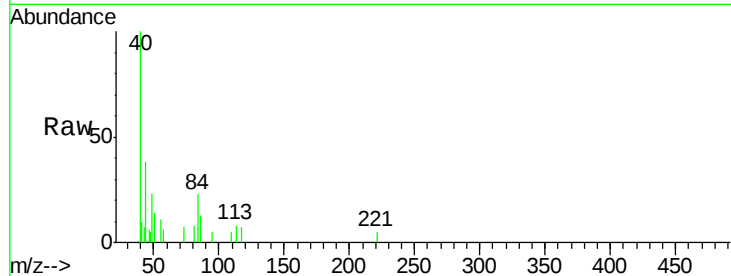
Instrument :

BNA_G

ClientSampleId :

JHSM8

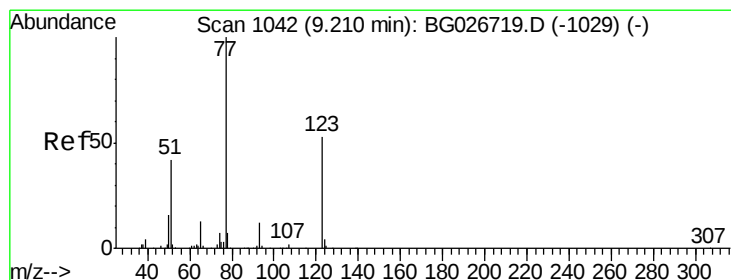
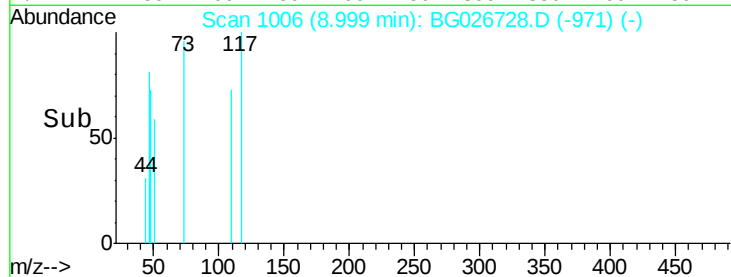
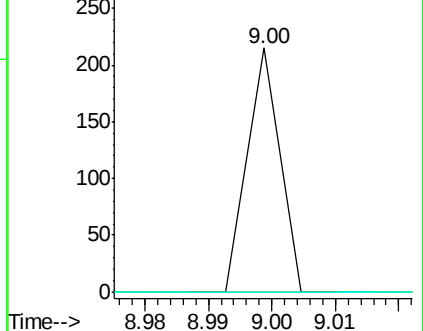
Tgt Ion:	117	Resp:	76
Ion	Ratio	Lower	Upper
117	100		
201	0.0	91.9	137.9#
199	0.0	64.3	96.5#



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



#20

Nitrobenzene

Concen: 0.01 ng/ul

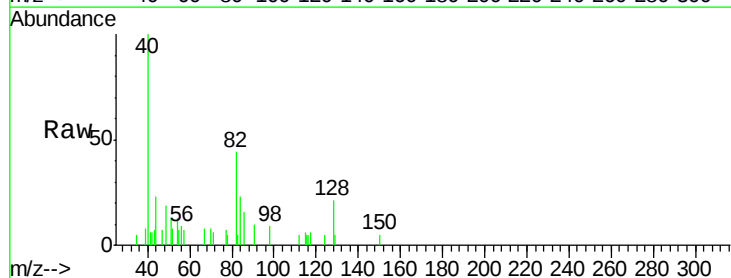
RT: 9.22 min Scan# 1044

Delta R.T. 0.01 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

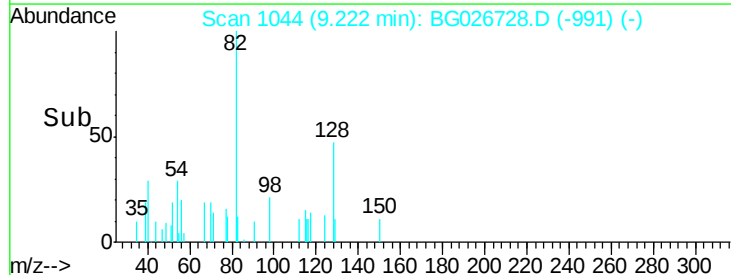
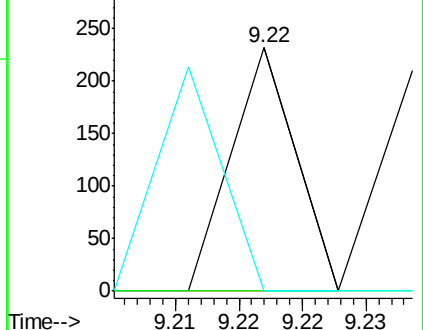
Tgt Ion:	77	Resp:	82
Ion	Ratio	Lower	Upper
77	100		
123	0.0	27.4	41.0#
65	0.0	13.3	19.9#

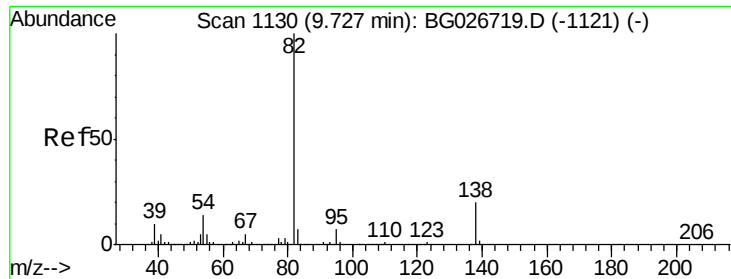


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BGC





#21

Isophorone

Concen: 0.01 ng/ul

RT: 9.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

Instrument :

BNA_G

ClientSampleId :

JHSM8

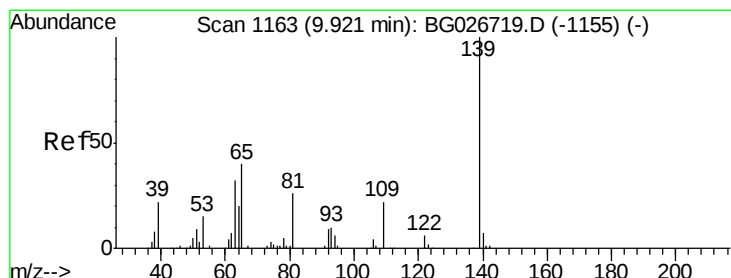
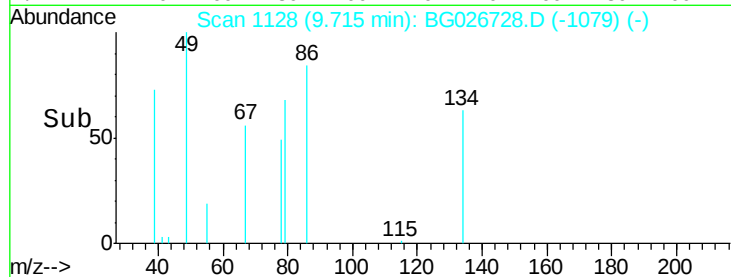
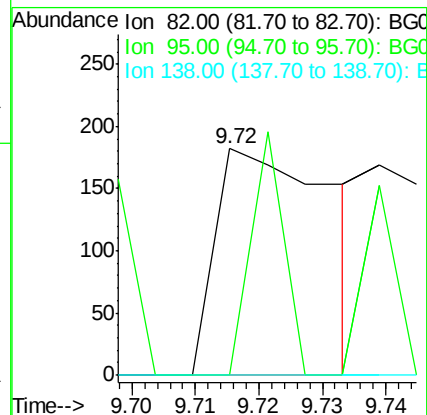
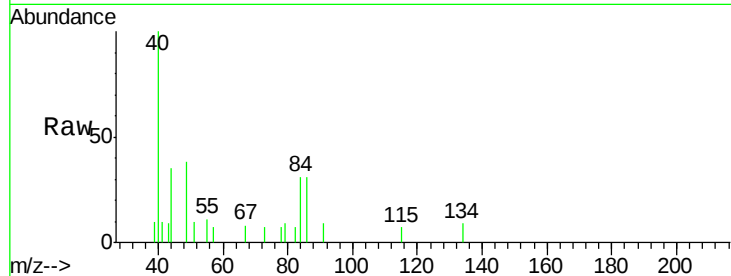
Tgt Ion: 82 Resp: 232

Ion Ratio Lower Upper

82 100

95 0.0 7.8 11.6#

138 0.0 12.2 18.2#



#23

2-Nitrophenol

Concen: 0.01 ng/ul

RT: 9.75 min Scan# 1134

Delta R.T. -0.17 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

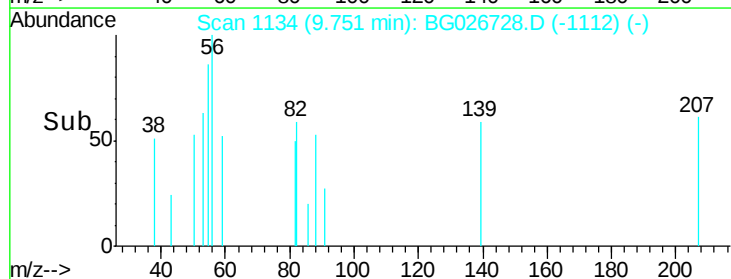
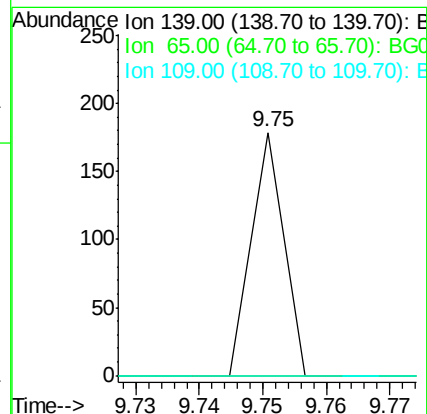
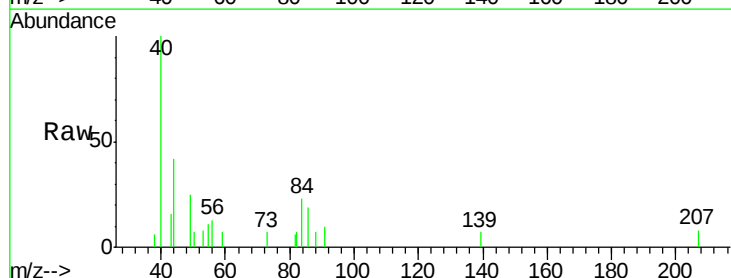
Tgt Ion: 139 Resp: 63

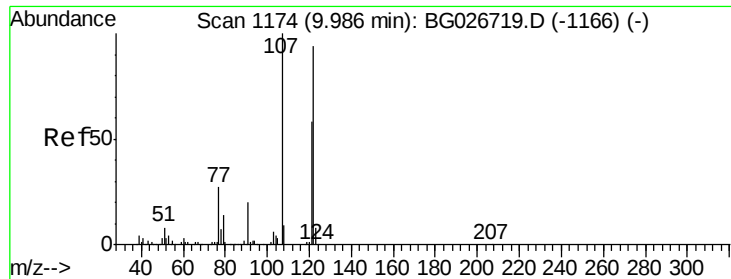
Ion Ratio Lower Upper

139 100

65 0.0 67.0 100.6#

109 0.0 39.6 59.4#

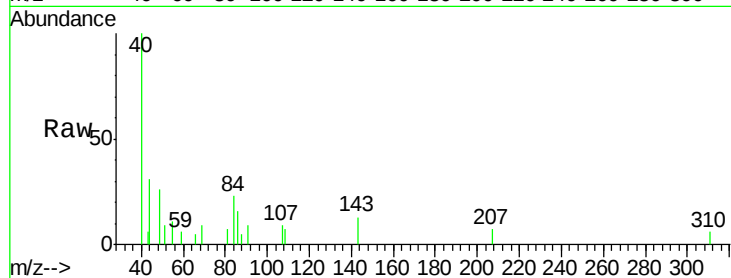




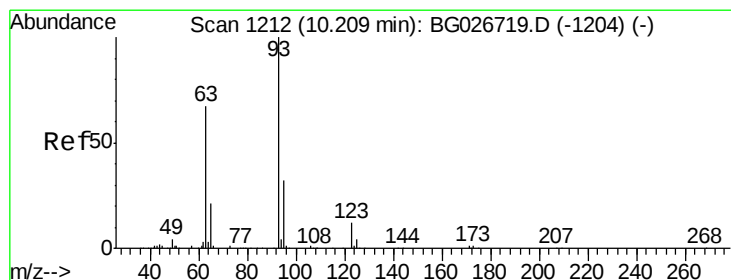
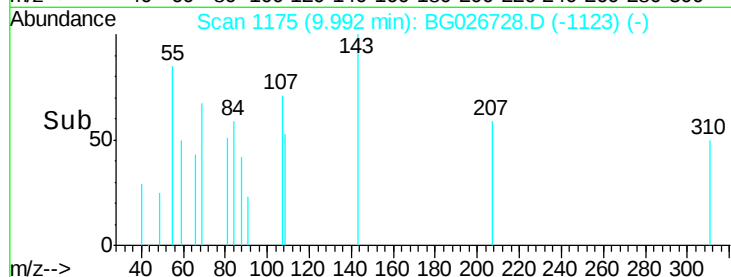
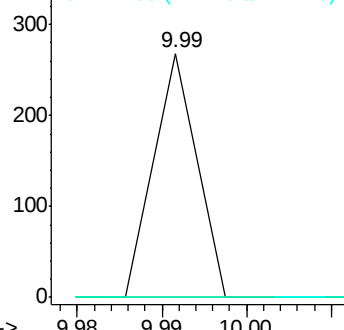
#24
 2,4-Dimethylphenol
 Concen: 0.01 ng/ul
 RT: 9.99 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

Instrument :
 BNA_G
 ClientSampled :
 JHSM8

Tgt Ion: 107 Resp: 94
 Ion Ratio Lower Upper
 107 100
 121 0.0 32.3 48.5#
 122 0.0 61.2 91.8#

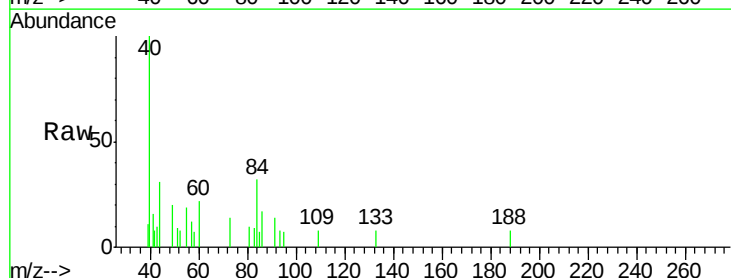


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E
 Ion 122.00 (121.70 to 122.70): E

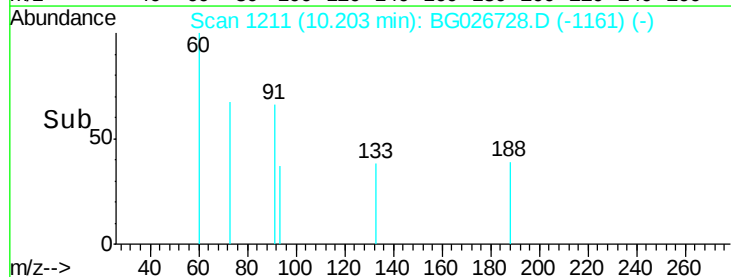
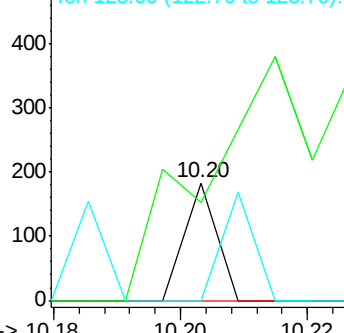


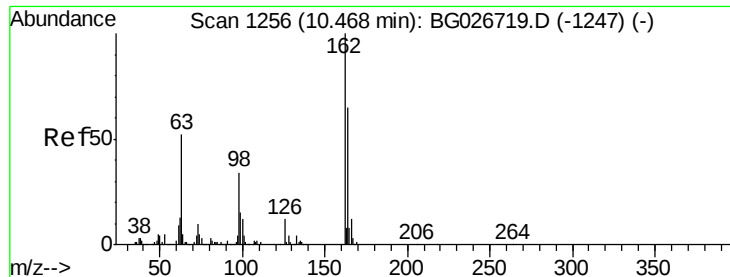
#25
 Bis(2-Chloroethoxy)methane
 Concen: 0.00 ng/ul
 RT: 10.20 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

Tgt Ion: 93 Resp: 65
 Ion Ratio Lower Upper
 93 100
 95 83.6 23.4 35.0#
 123 0.0 7.8 11.6#



Abundance Ion 93.00 (92.70 to 93.70): BGC
 Ion 95.00 (94.70 to 95.70): BGC
 Ion 123.00 (122.70 to 123.70): E

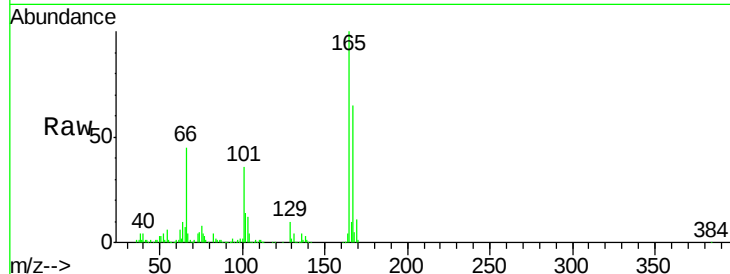




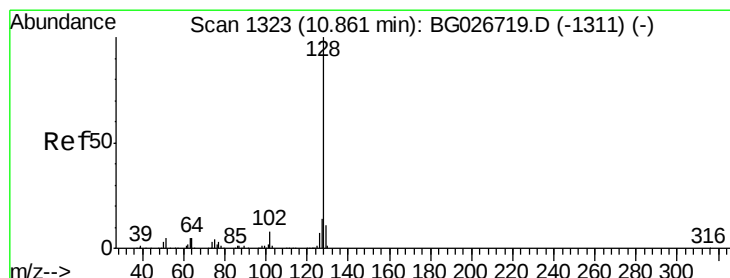
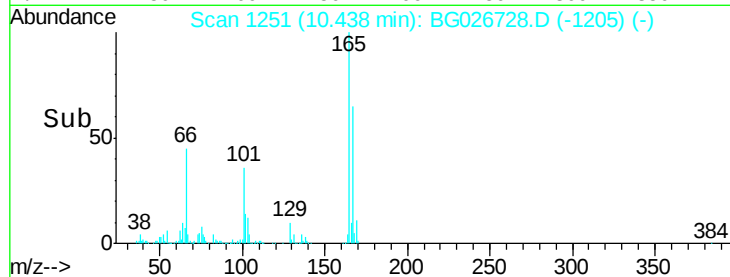
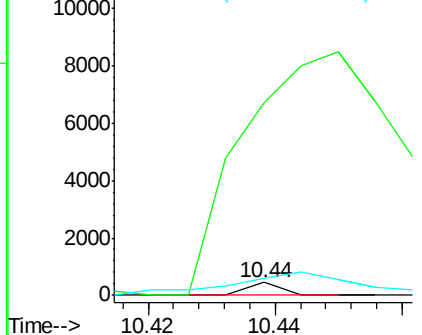
#27
 2,4-Dichlorophenol
 Concen: 0.01 ng/ul
 RT: 10.44 min Scan# 1251
 Delta R.T. -0.03 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

Instrument :
 BNA_G
 ClientSampled :
 JHSM8

Tgt Ion:162 Resp: 156
 Ion Ratio Lower Upper
 162 100
 164 1516.5 50.8 76.2#
 98 136.4 32.1 48.1#

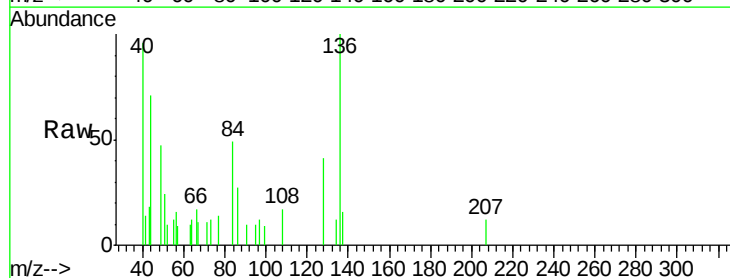


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): B

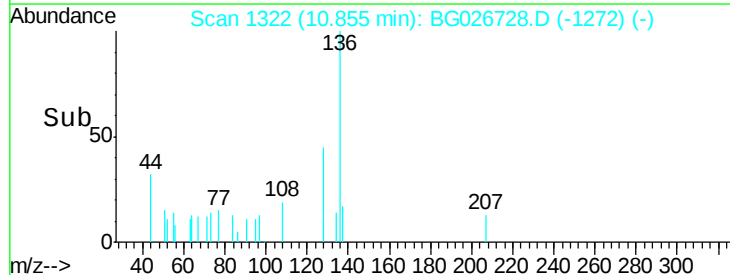
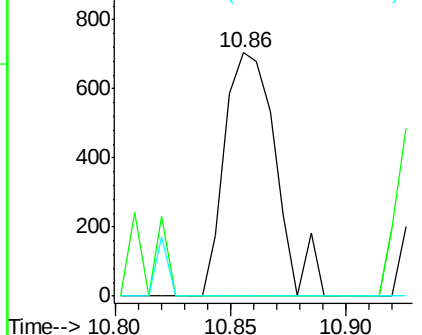


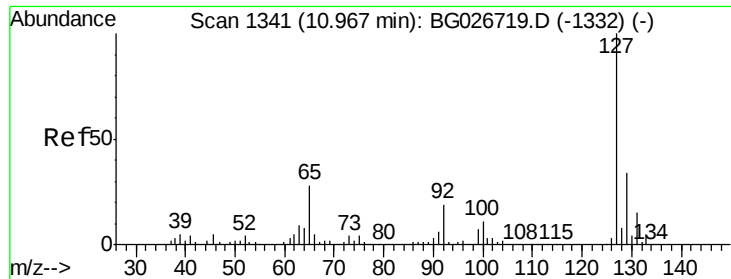
#28
 Naphthalene
 Concen: 0.03 ng/ul
 RT: 10.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

Tgt Ion:128 Resp: 1095
 Ion Ratio Lower Upper
 128 100
 129 0.0 9.4 14.2#
 127 0.0 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

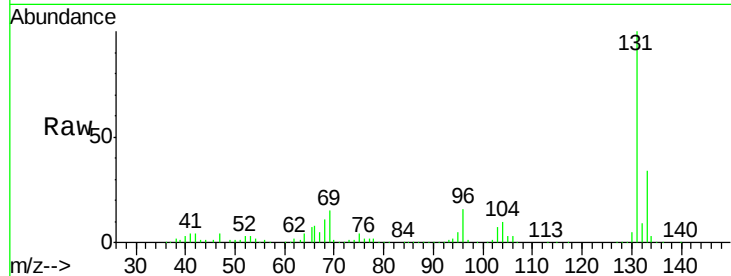




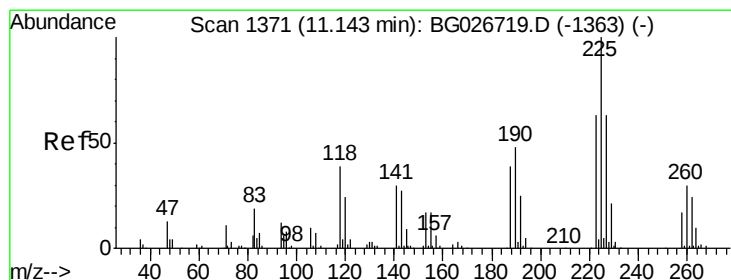
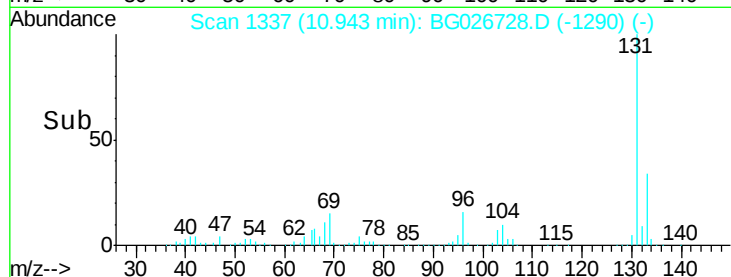
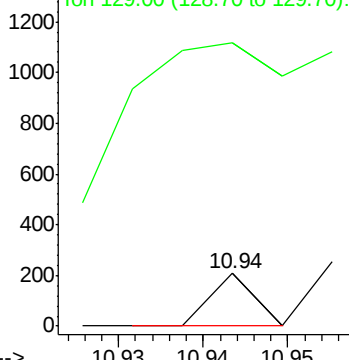
#30
4-Chloroaniline
Concen: 0.00 ng/ul
RT: 10.94 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BG026728.D
Acq: 28 Apr 2017 1:12

Instrument :
BNA_G
ClientSampleId :
JHSM8

Tgt Ion:127 Resp: 73
Ion Ratio Lower Upper
127 100
129 536.5 28.9 43.3#

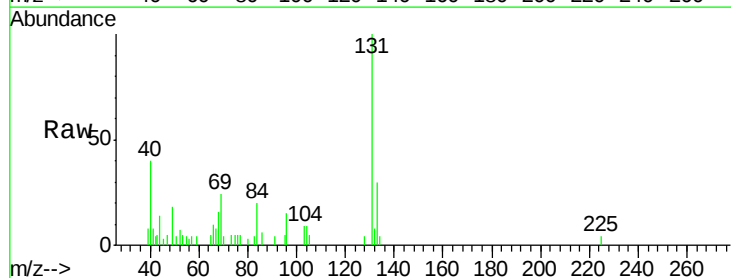


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

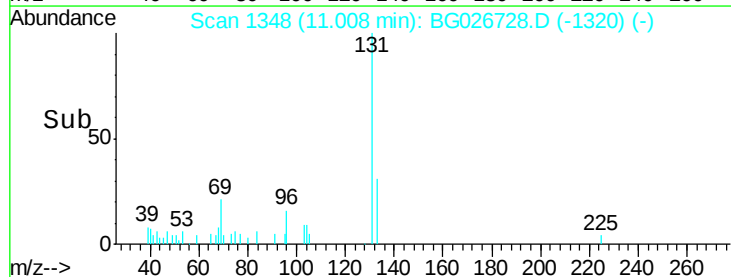
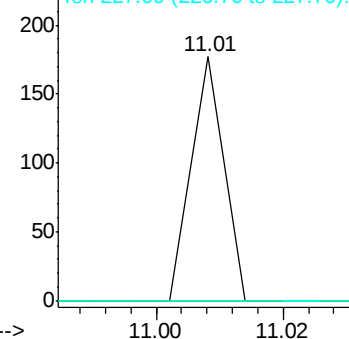


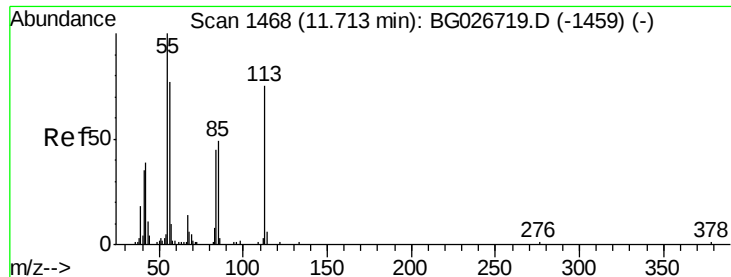
#31
Hexachlorobutadiene
Concen: 0.01 ng/ul
RT: 11.01 min Scan# 1348
Delta R.T. -0.14 min
Lab File: BG026728.D
Acq: 28 Apr 2017 1:12

Tgt Ion:225 Resp: 62
Ion Ratio Lower Upper
225 100
223 0.0 45.9 68.9#
227 0.0 44.7 67.1#



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#32

Caprolactam

Concen: 0.01 ng/ul

RT: 11.73 min Scan# 1471

Delta R.T. 0.02 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

Instrument :

BNA_G

ClientSampleId :

JHSM8

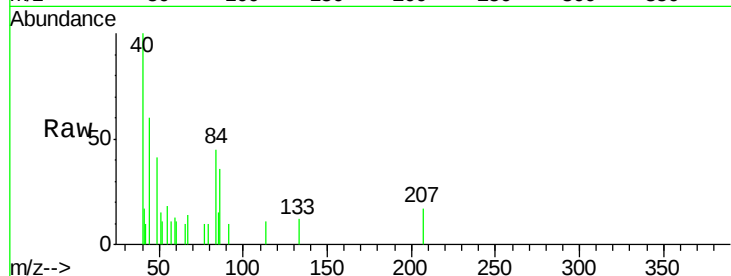
Tgt Ion:113 Resp: 56

Ion Ratio Lower Upper

113 100

55 173.1 168.6 252.8

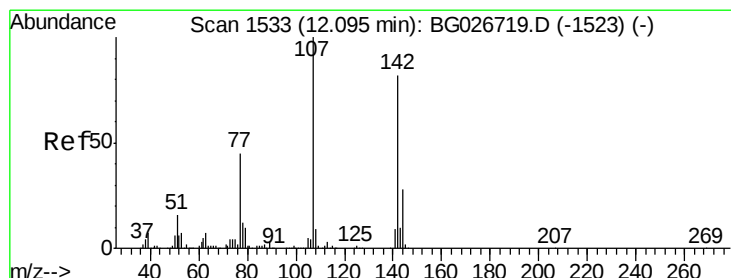
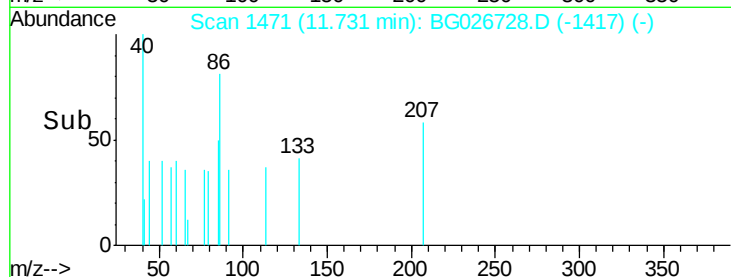
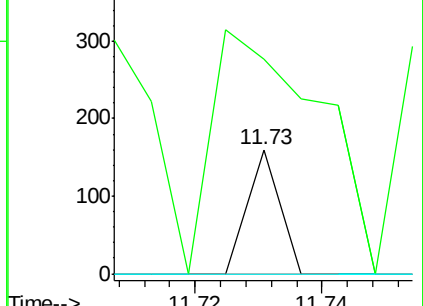
56 0.0 128.5 192.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#33

4-Chloro-3-methylphenol

Concen: 0.01 ng/ul

RT: 12.14 min Scan# 1541

Delta R.T. 0.05 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

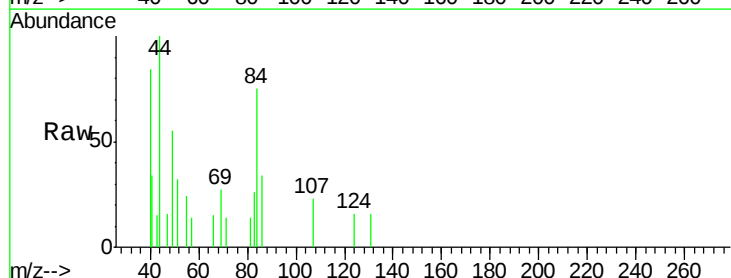
Tgt Ion:107 Resp: 169

Ion Ratio Lower Upper

107 100

144 0.0 18.2 27.4#

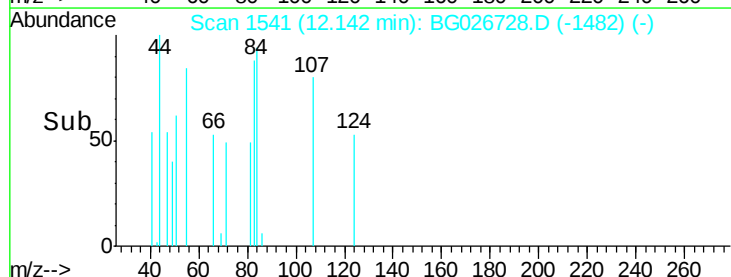
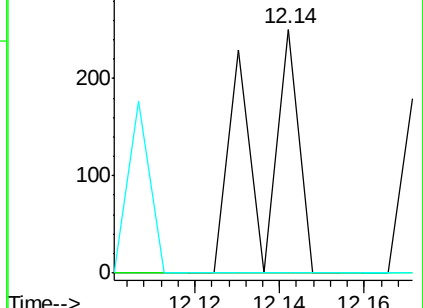
142 0.0 55.0 82.4#

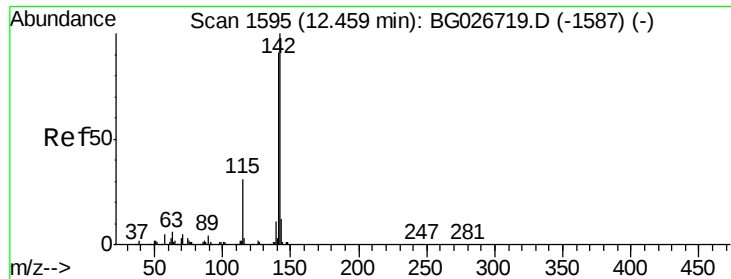


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

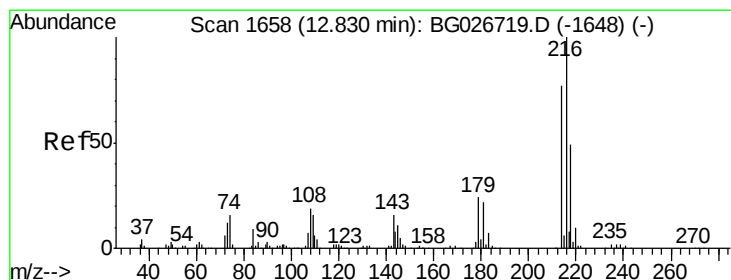
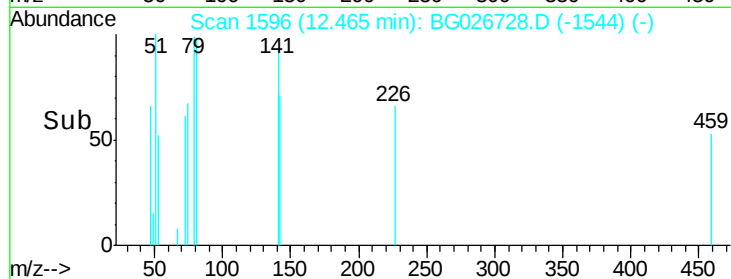
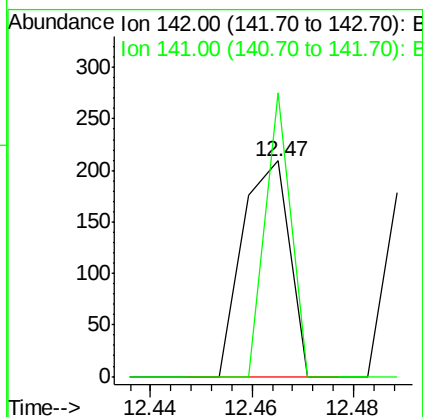
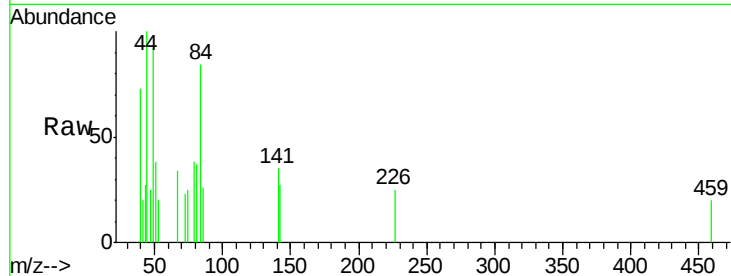




#34
 2-Methylnaphthalene
 Concen: 0.00 ng/ul
 RT: 12.47 min Scan# 1596
 Delta R.T. 0.01 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

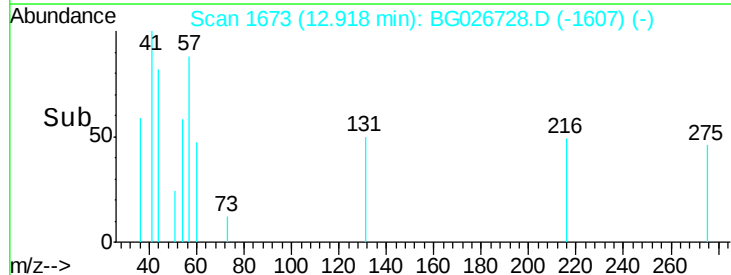
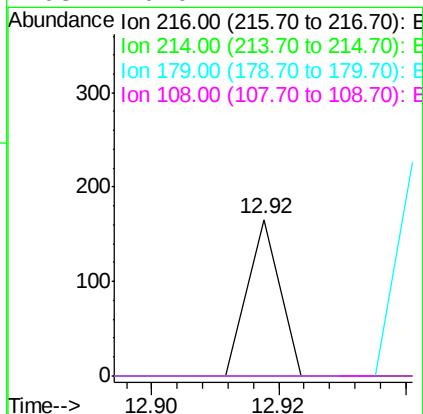
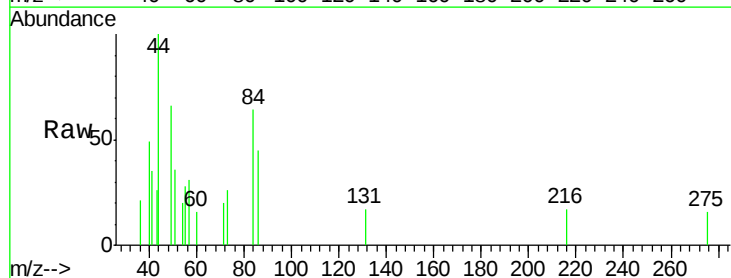
Instrument :
 BNA_G
 ClientSampleId :
 JHSM8

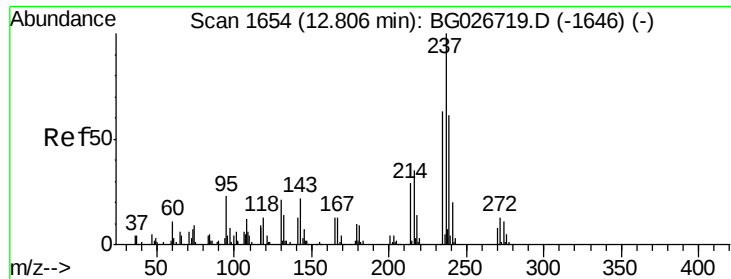
Tgt Ion:142 Resp: 136
 Ion Ratio Lower Upper
 142 100
 141 131.6 68.6 102.8#



#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 0.00 ng/ul
 RT: 12.92 min Scan# 1673
 Delta R.T. 0.09 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

Tgt Ion:216 Resp: 59
 Ion Ratio Lower Upper
 216 100
 214 0.0 67.0 100.6#
 179 0.0 18.1 27.1#
 108 0.0 14.1 21.1#

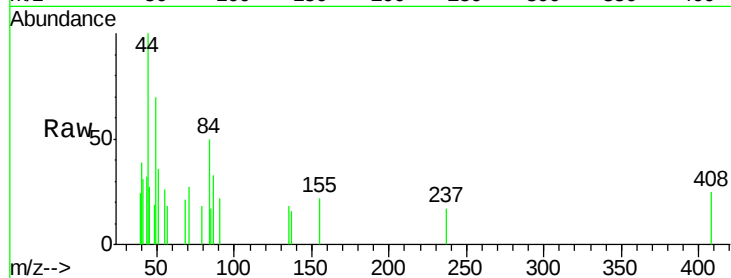




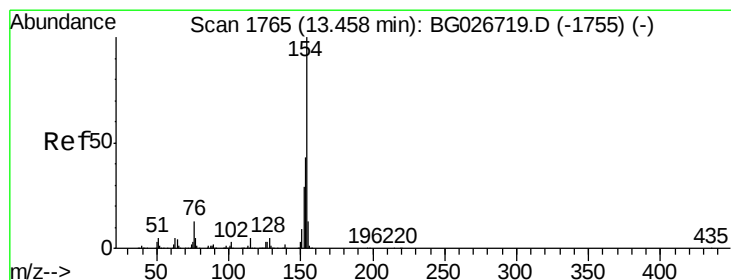
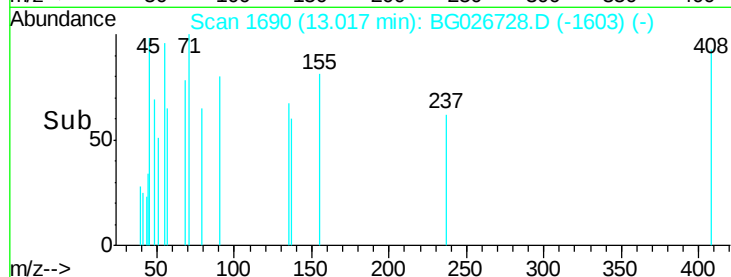
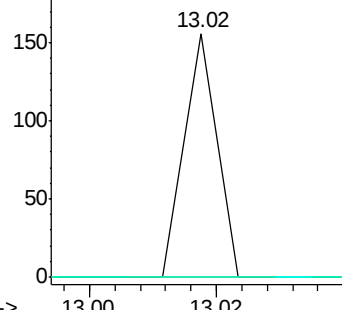
#37
Hexachlorocyclopentadiene
Concen: 0.01 ng/ul
RT: 13.02 min Scan# 1690
Delta R.T. 0.21 min
Lab File: BG026728.D
Acq: 28 Apr 2017 1:12

Instrument :
BNA_G
ClientSampleId :
JHSM8

Tgt Ion: 237 Resp: 55
Ion Ratio Lower Upper
237 100
235 0.0 50.2 75.4#
272 0.0 10.6 16.0#

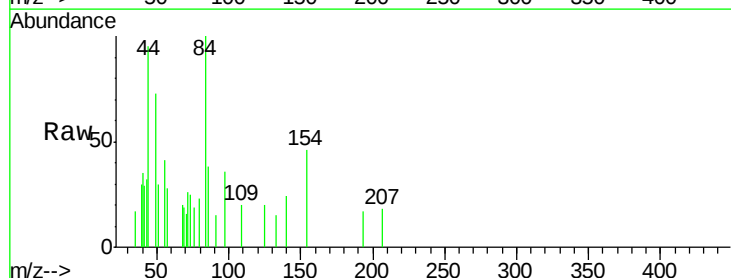


Abundance Ion 237.00 (236.70 to 237.70): E
Ion 235.00 (234.70 to 235.70): E
Ion 272.00 (271.70 to 272.70): E

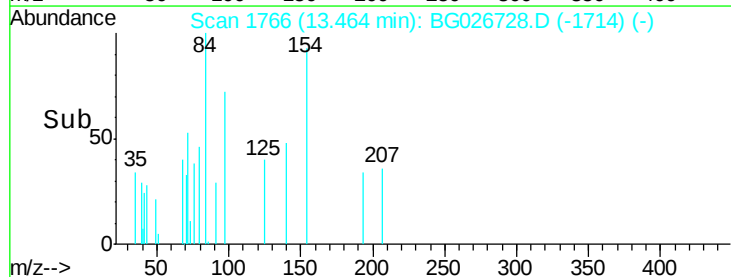
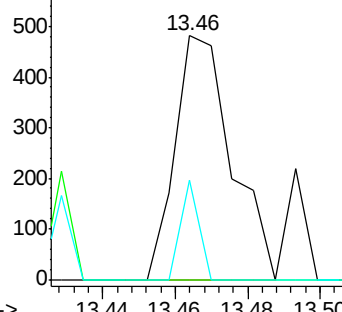


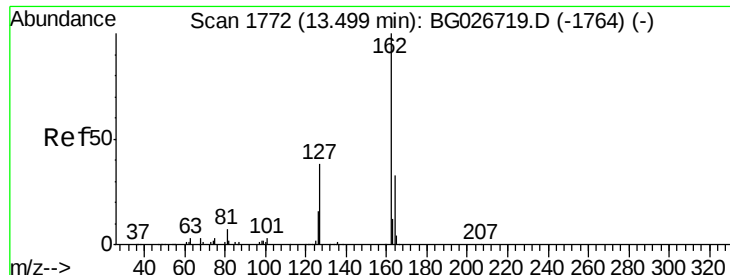
#40
1,1'-Biphenyl
Concen: 0.01 ng/ul
RT: 13.46 min Scan# 1766
Delta R.T. 0.01 min
Lab File: BG026728.D
Acq: 28 Apr 2017 1:12

Tgt Ion: 154 Resp: 526
Ion Ratio Lower Upper
154 100
153 0.0 32.2 48.2#
76 40.7 9.6 14.4#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BG

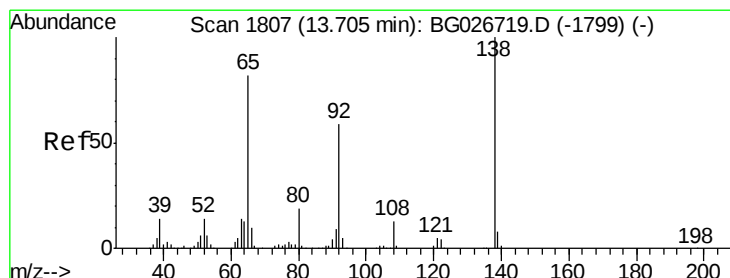
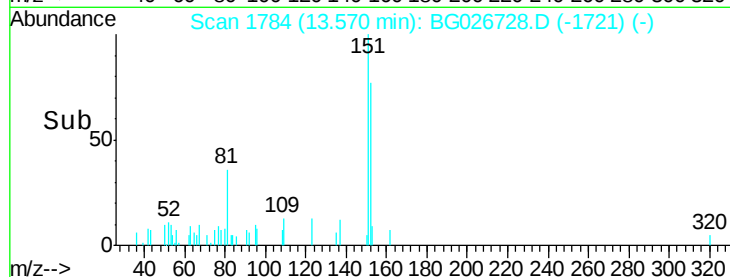
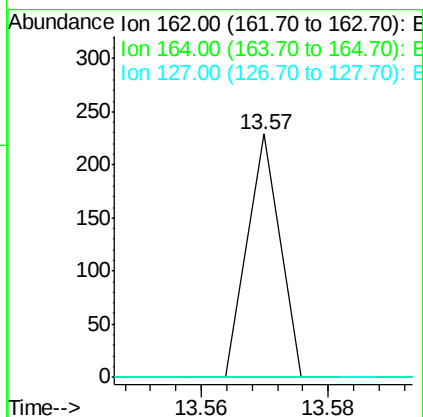
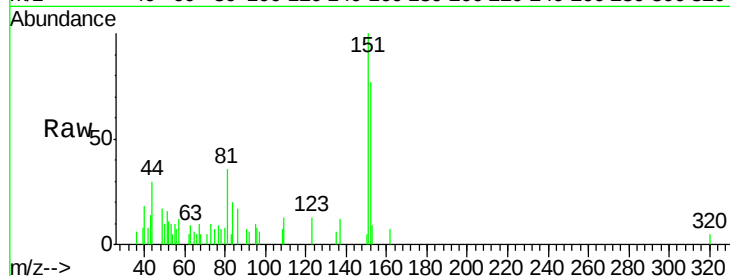




#41
 2-Chloronaphthalene
 Concen: 0.00 ng/ul
 RT: 13.57 min Scan# 1784
 Delta R.T. 0.07 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

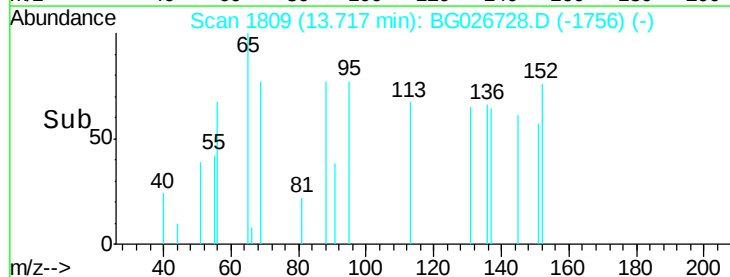
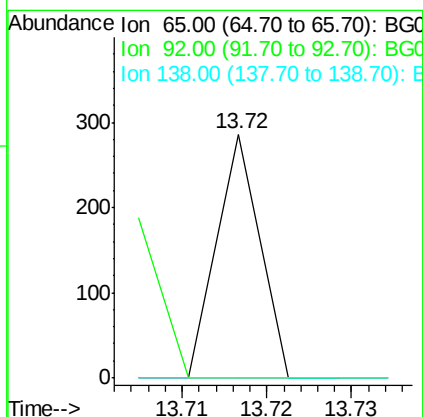
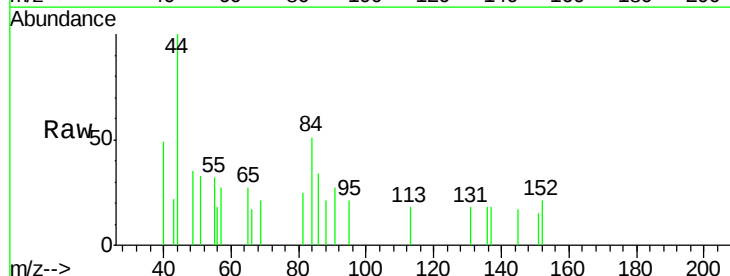
Instrument :
 BNA_G
 ClientSampleId :
 JHSM8

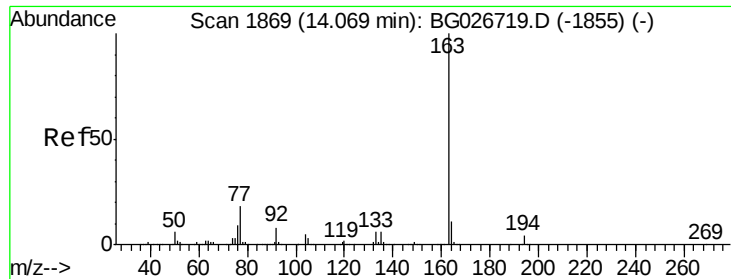
Tgt Ion	Ratio	Lower	Upper
162	100		
164	0.0	25.0	37.6#
127	0.0	30.7	46.1#



#42
 2-Nitroaniline
 Concen: 0.01 ng/ul
 RT: 13.72 min Scan# 1809
 Delta R.T. 0.01 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

Tgt Ion	Ratio	Lower	Upper
65	100		
92	0.0	50.9	76.3#
138	0.0	61.8	92.6#





#44

Dimethylphthalate

Concen: 4.68 ng/ul

RT: 14.07 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

Instrument :

BNA_G

ClientSampleId :

JHSM8

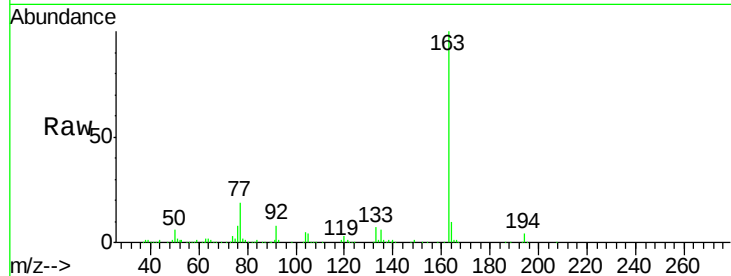
Tgt Ion:163 Resp: 168029

Ion Ratio Lower Upper

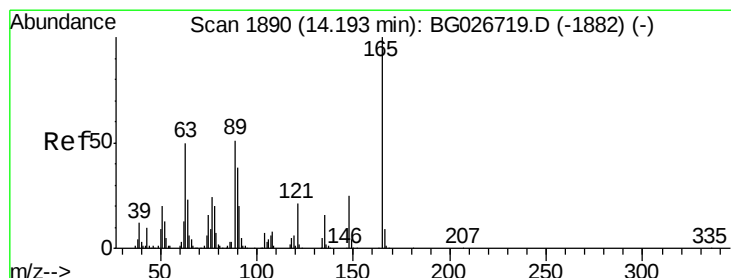
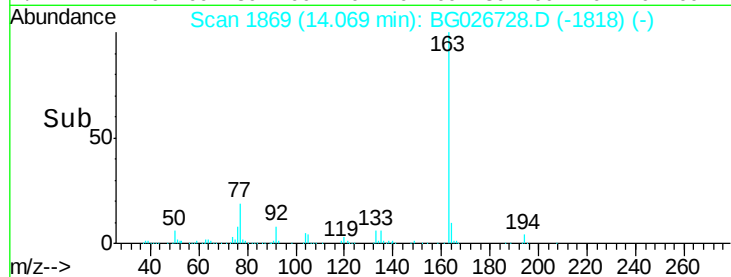
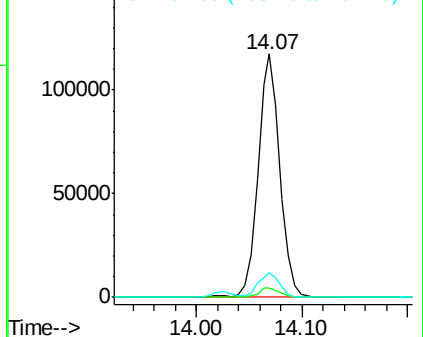
163 100

194 4.0 3.4 5.0

164 10.0 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



#45

2,6-Dinitrotoluene

Concen: 0.04 ng/ul

RT: 14.16 min Scan# 1885

Delta R.T. -0.03 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

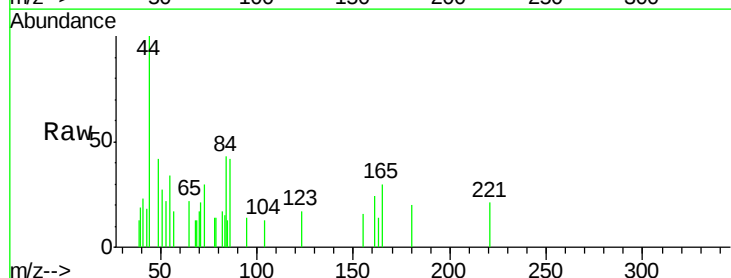
Tgt Ion:165 Resp: 288

Ion Ratio Lower Upper

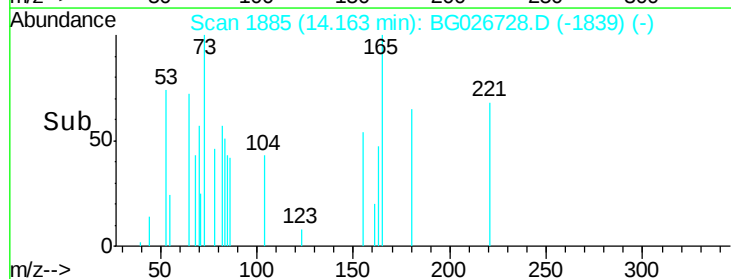
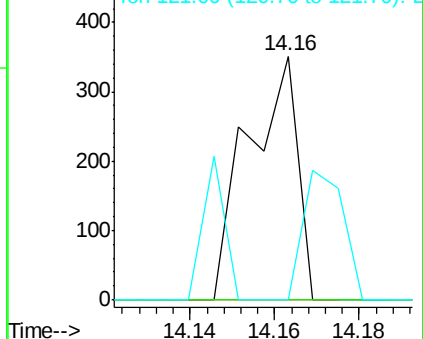
165 100

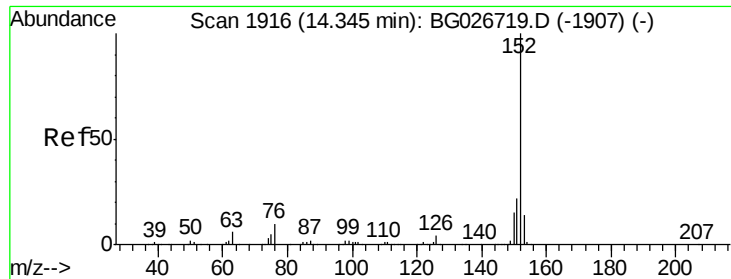
89 0.0 52.9 79.3#

121 0.0 22.2 33.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 89.00 (88.70 to 89.70): BG
Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.35 min Scan# 1916

Delta R.T. -0.00 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

Instrument :

BNA_G

ClientSampled :

JHSM8

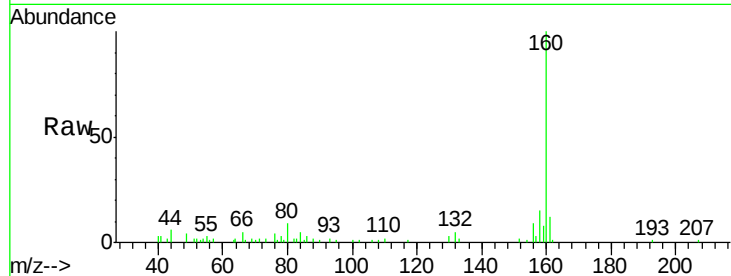
Tgt Ion:152 Resp: 249

Ion Ratio Lower Upper

152 100

151 0.0 16.7 25.1#

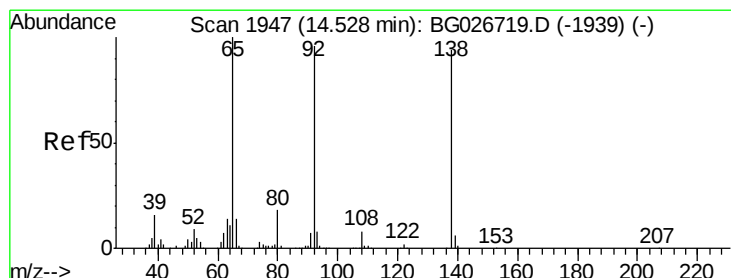
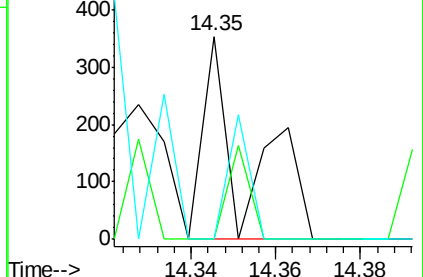
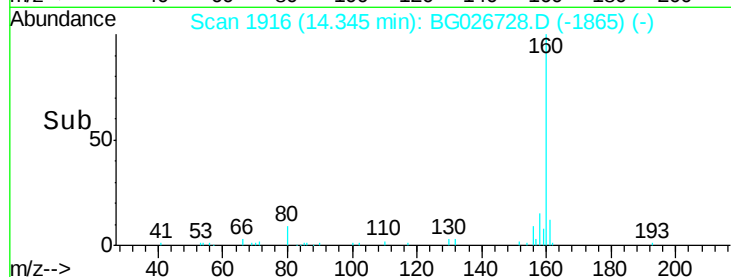
153 0.0 11.4 17.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#48

3-Nitroaniline

Concen: 0.01 ng/ul

RT: 14.50 min Scan# 1943

Delta R.T. -0.02 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

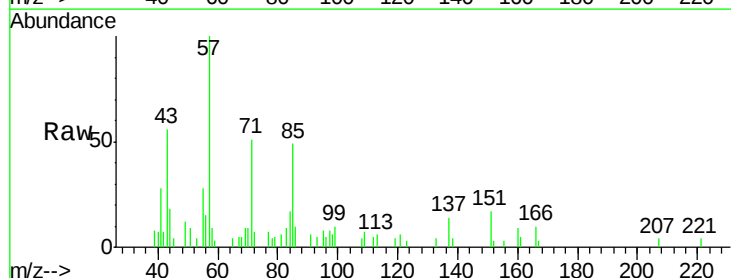
Tgt Ion:138 Resp: 72

Ion Ratio Lower Upper

138 100

108 84.8 6.3 9.5#

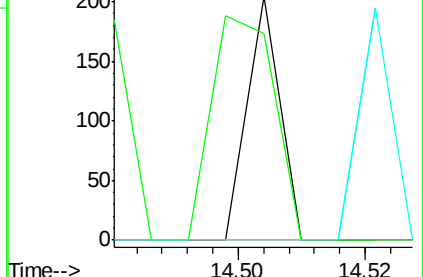
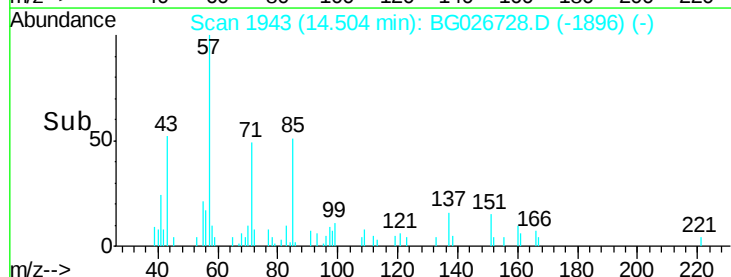
92 0.0 106.4 159.6#

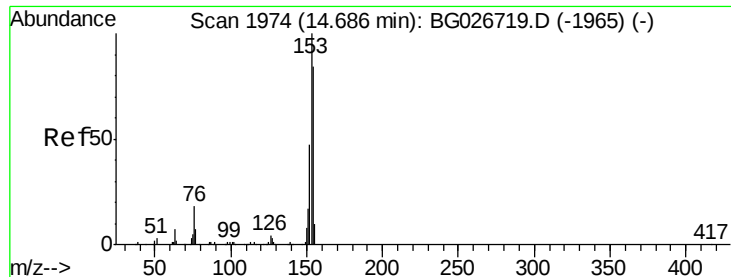


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





#49

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.74 min Scan# 1984

Delta R.T. 0.06 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

Instrument :

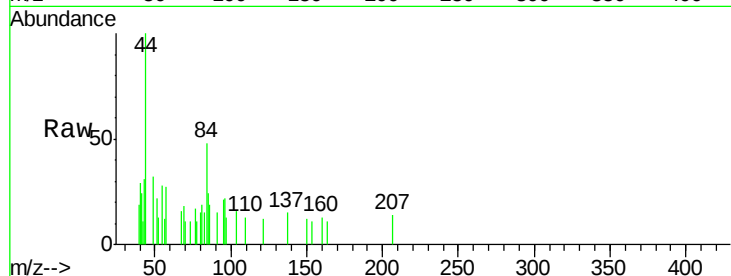
BNA_G

ClientSampleId :

JHSM8

Tgt Ion:153 Resp: 54

Ion	Ratio	Lower	Upper
153	100		
152	0.0	36.5	54.7#
154	0.0	72.3	108.5#



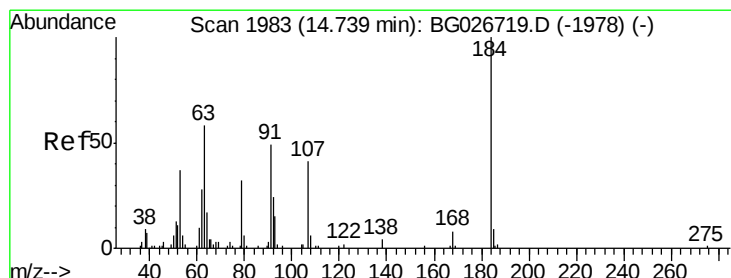
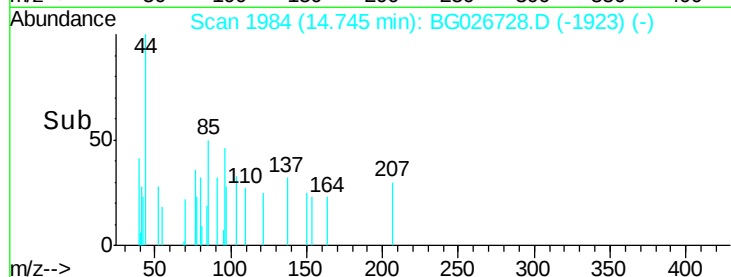
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

14.74

Time-->



#50

2,4-Dinitrophenol

Concen: 0.01 ng/ul

RT: 14.99 min Scan# 2026

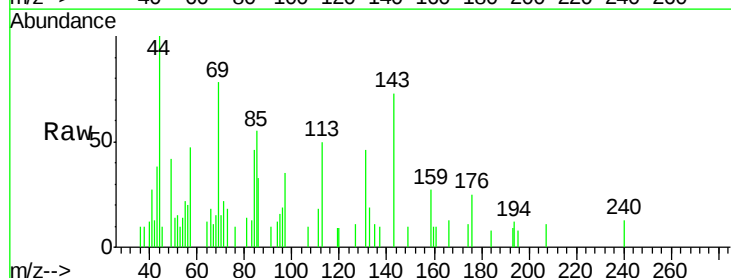
Delta R.T. 0.25 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

Tgt Ion:184 Resp: 54

Ion	Ratio	Lower	Upper
184	100		
63	0.0	65.1	97.7#
154	0.0	68.2	102.4#



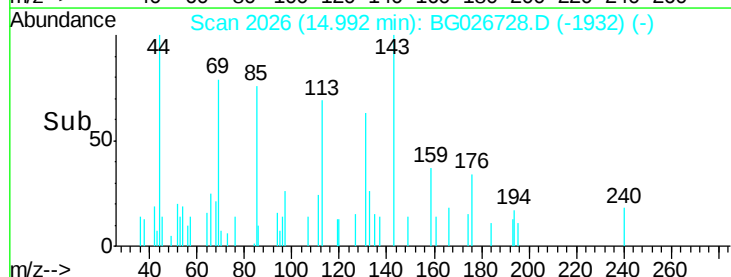
Abundance Ion 184.00 (183.70 to 184.70): E

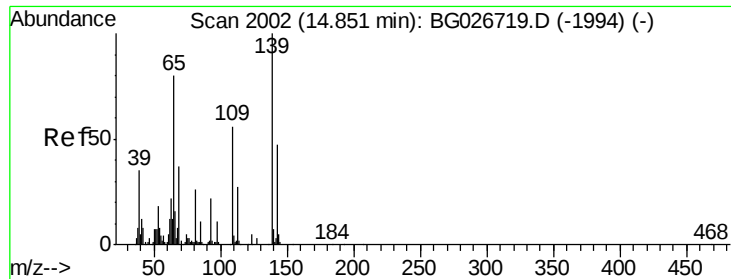
Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

14.99

Time-->





#52

4-Nitrophenol

Concen: 0.19 ng/ul

RT: 14.83 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

Instrument :

BNA_G

ClientSampleId :

JHSM8

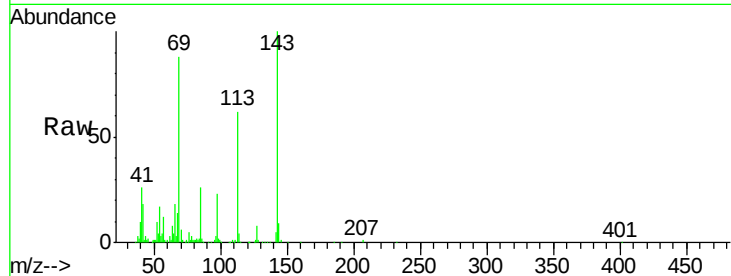
Tgt Ion:109 Resp: 747

Ion Ratio Lower Upper

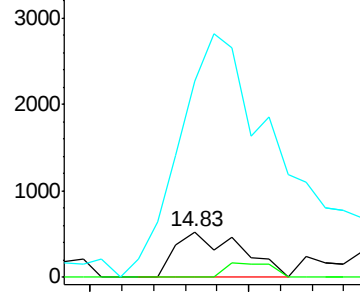
109 100

139 0.0 62.6 93.8#

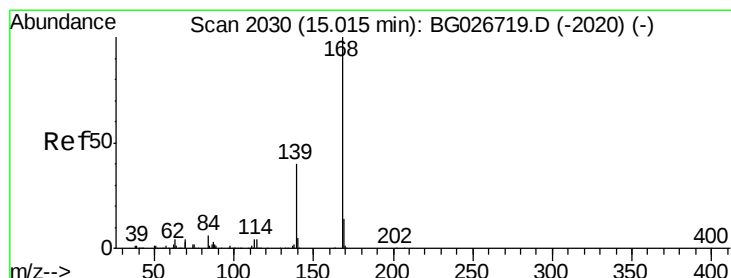
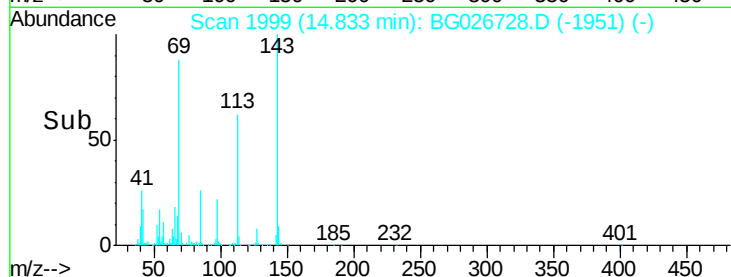
65 431.2 90.4 135.6#



Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BGC



Time-->



#53

Dibenzofuran

Concen: 0.01 ng/ul

RT: 15.03 min Scan# 2033

Delta R.T. 0.02 min

Lab File: BG026728.D

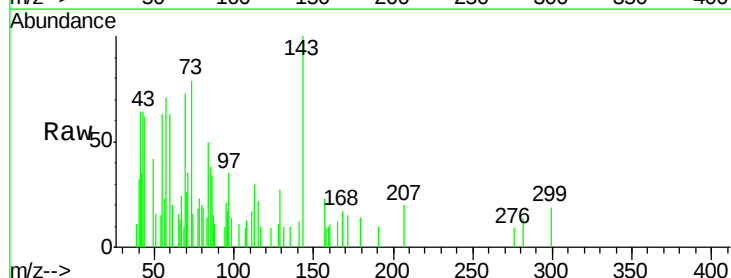
Acq: 28 Apr 2017 1:12

Tgt Ion:168 Resp: 340

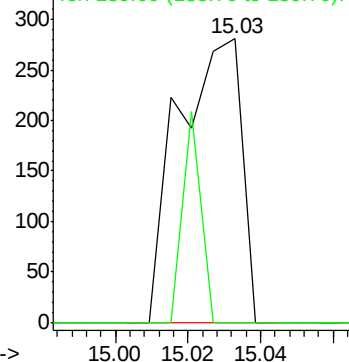
Ion Ratio Lower Upper

168 100

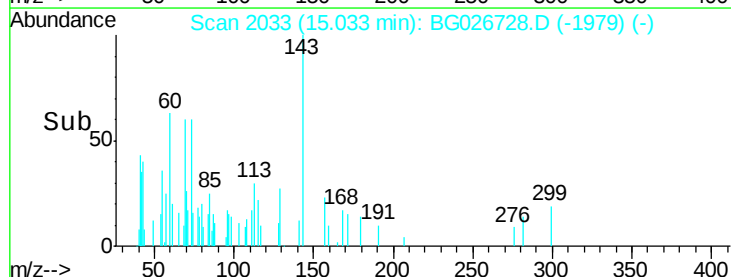
139 0.0 33.8 50.8#

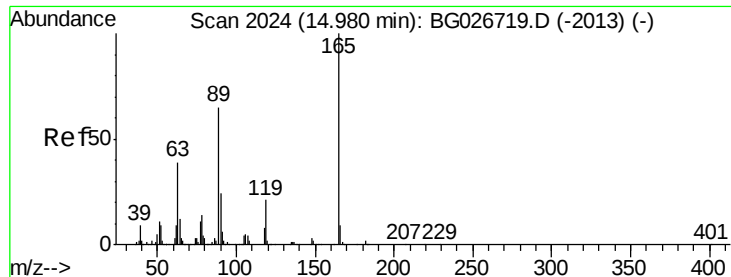


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E



Time-->

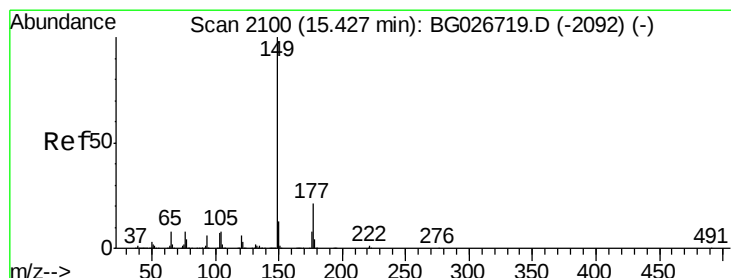
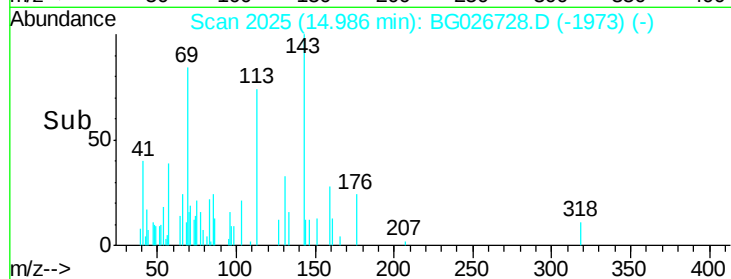
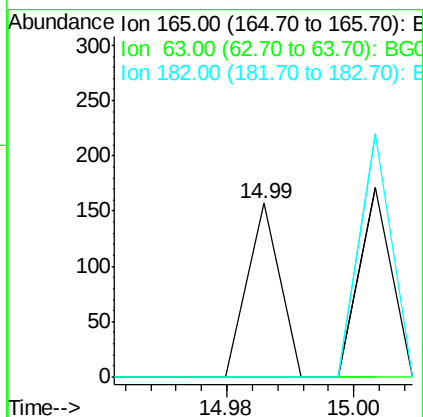
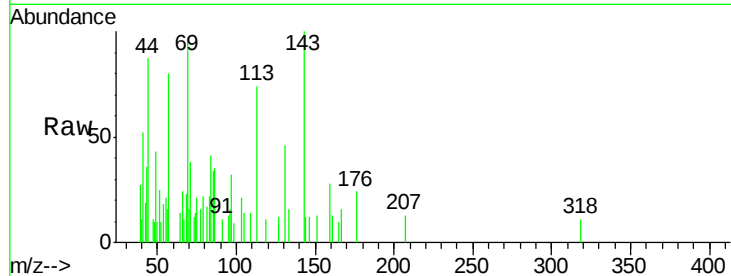




#54
 2,4-Dinitrotoluene
 Concen: 0.01 ng/ul
 RT: 14.99 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

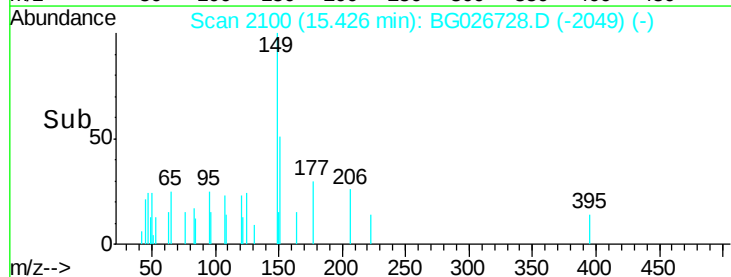
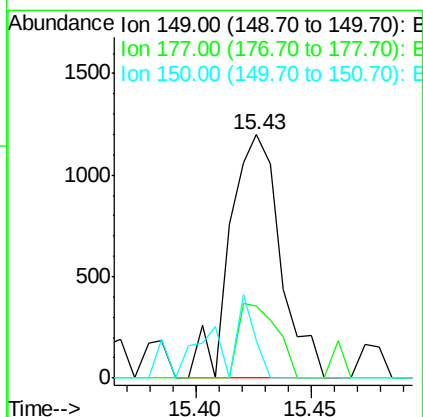
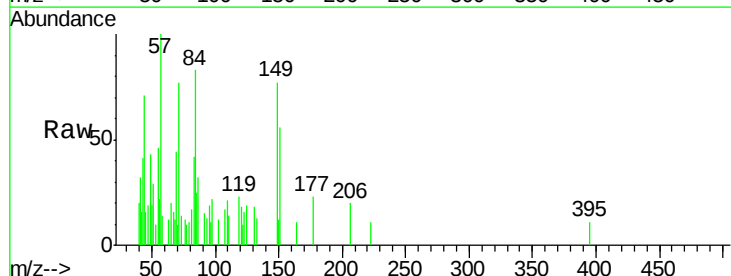
Instrument :
 BNA_G
 ClientSampleId :
 JHSM8

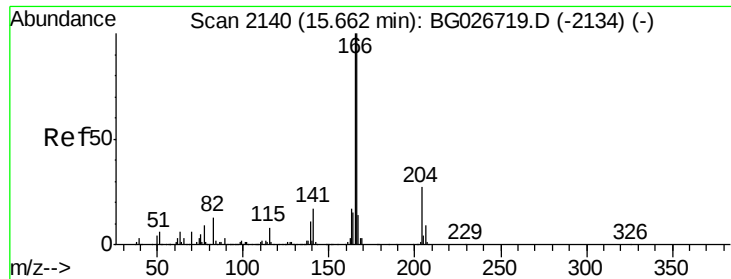
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	46.8	70.2#
182	0.0	1.8	2.6#



#56
 Diethylphthalate
 Concen: 0.05 ng/ul
 RT: 15.43 min Scan# 2100
 Delta R.T. -0.00 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

Tgt Ion	Ratio	Lower	Upper
149	100		
177	29.7	17.8	26.8#
150	15.4	10.2	15.4#





#58

Fluorene

Concen: 0.00 ng/ul

RT: 15.66 min Scan# 2139

Delta R.T. -0.01 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

Instrument :

BNA_G

ClientSampleId :

JHSM8

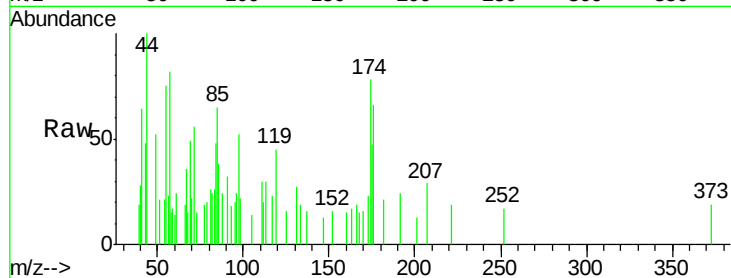
Tgt Ion:166 Resp: 77

Ion Ratio Lower Upper

166 100

165 0.0 79.7 119.5#

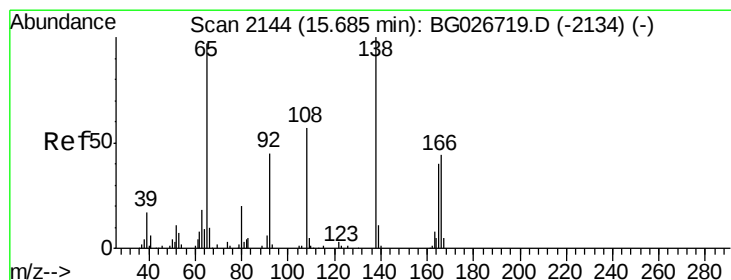
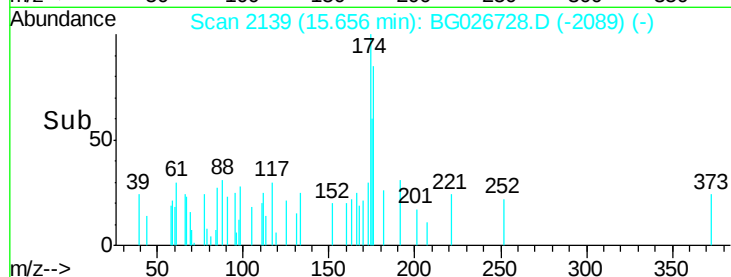
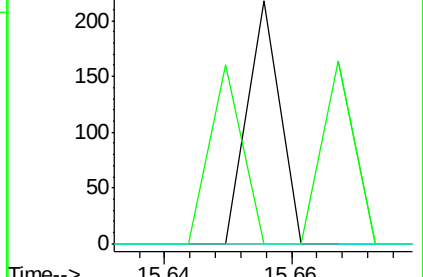
167 0.0 11.4 17.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

4-Nitroaniline

Concen: 0.01 ng/ul

RT: 15.68 min Scan# 2144

Delta R.T. -0.00 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

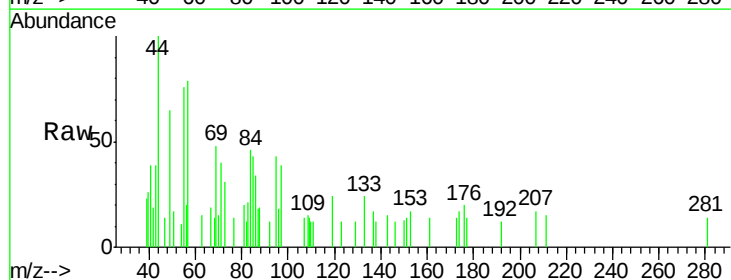
Tgt Ion:138 Resp: 56

Ion Ratio Lower Upper

138 100

92 101.9 56.9 85.3#

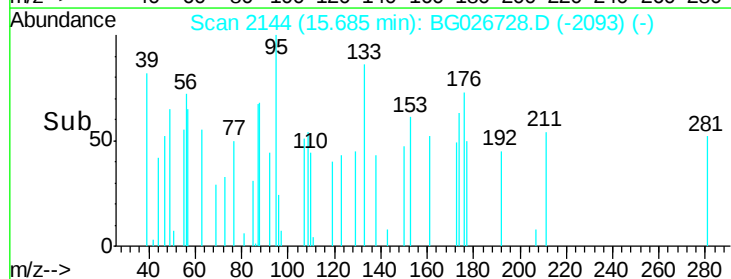
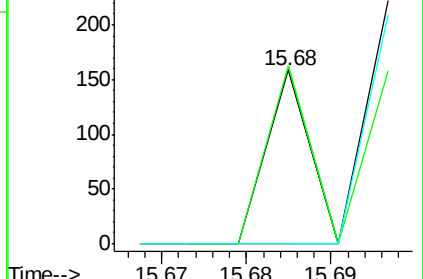
108 125.8 104.9 157.3

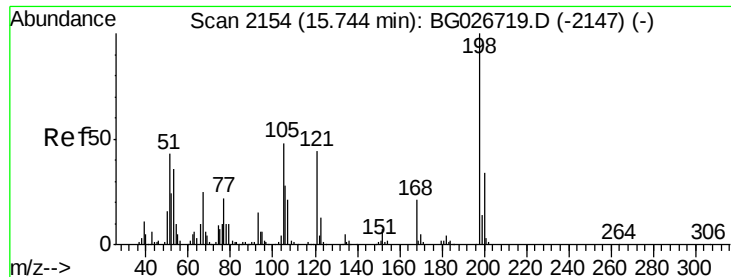


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#63

4,6-Dinitro-2-methylphenol

Concen: 0.01 ng/ul

RT: 15.76 min Scan# 2157

Delta R.T. 0.02 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

Instrument :

BNA_G

ClientSampleId :

JHSM8

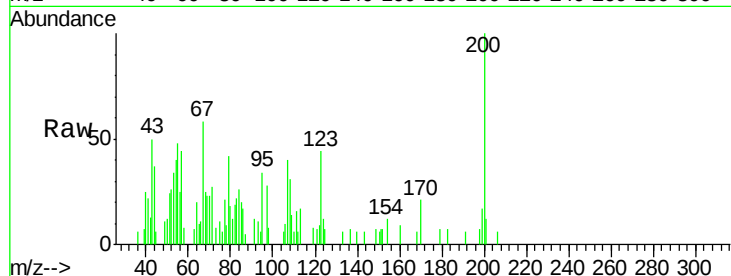
Tgt Ion:198 Resp: 72

Ion Ratio Lower Upper

198 100

182 0.0 5.8 6.4#

77 315.8 22.1 33.9#

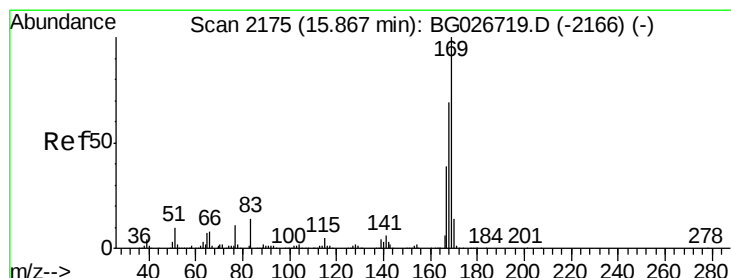
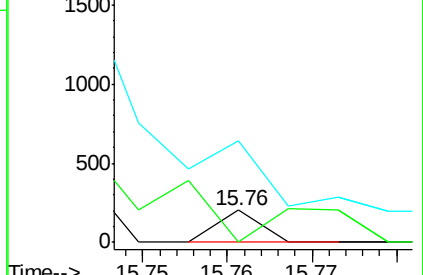
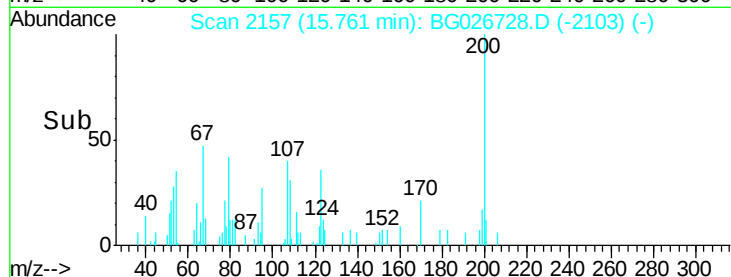


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): B

Time-->



#64

N-Nitrosodiphenylamine

Concen: 0.02 ng/ul

RT: 15.86 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

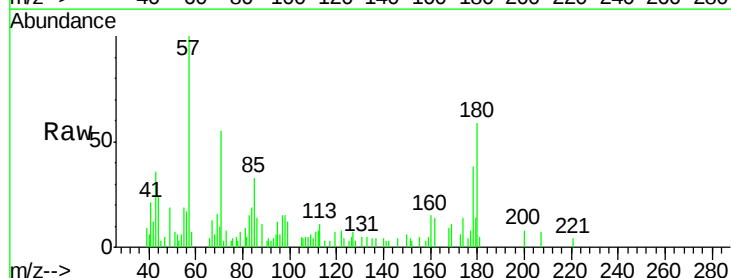
Tgt Ion:169 Resp: 623

Ion Ratio Lower Upper

169 100

168 78.8 59.1 88.7

167 0.0 29.7 44.5#

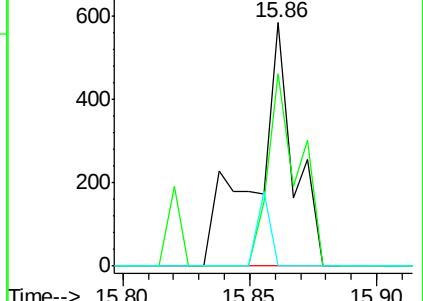
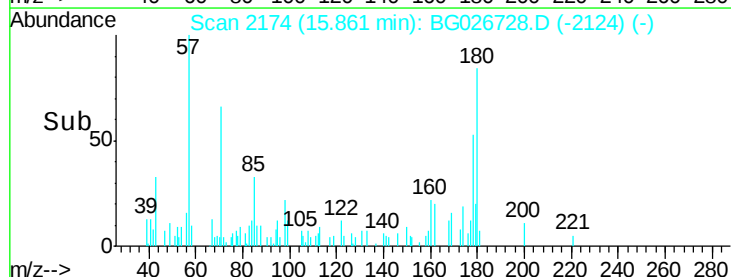


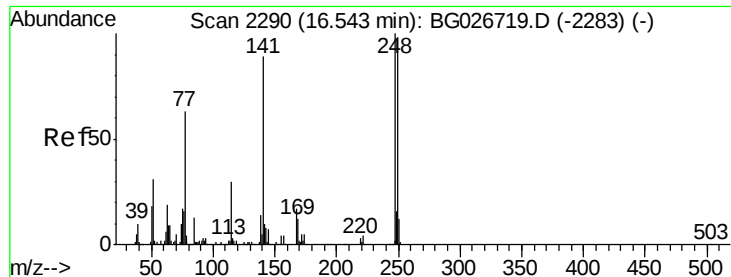
Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->

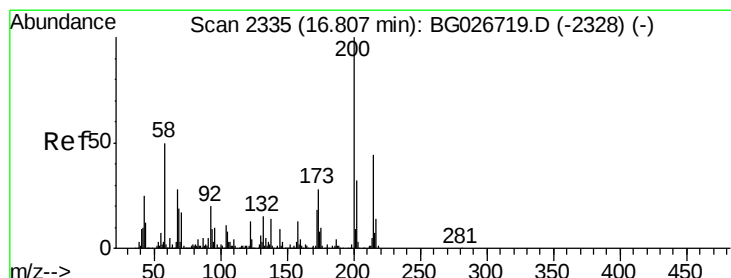
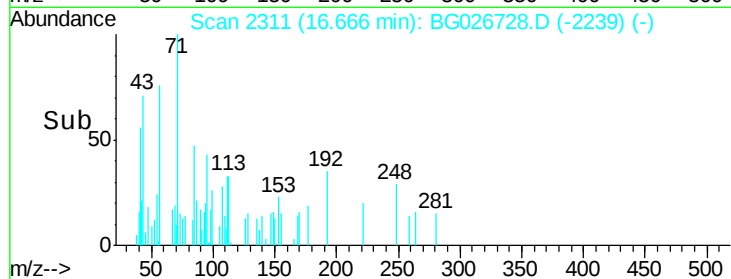
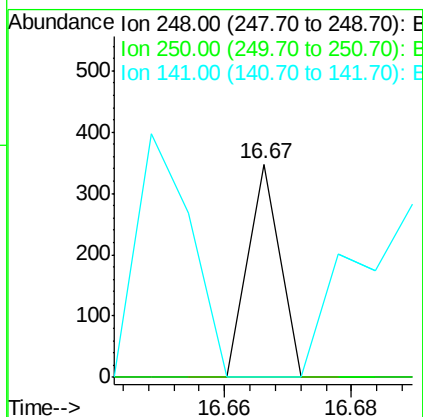
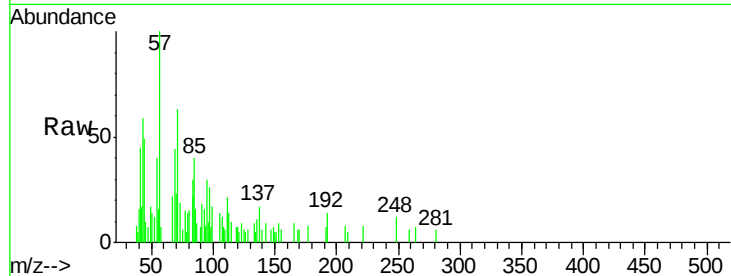




#65
4-Bromophenyl-phenylether
Concen: 0.01 ng/ul
RT: 16.67 min Scan# 2311
Delta R.T. 0.12 min
Lab File: BG026728.D
Acq: 28 Apr 2017 1:12

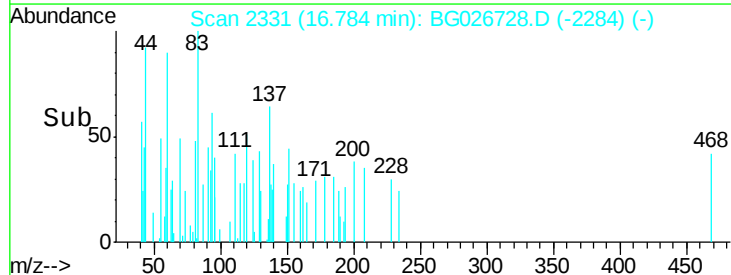
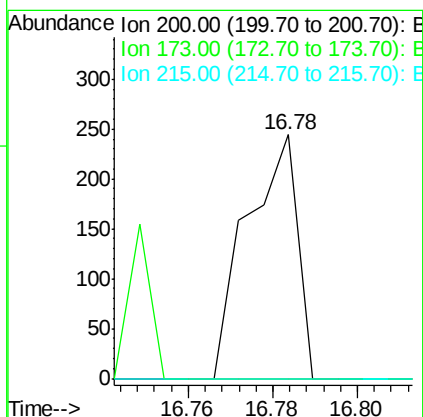
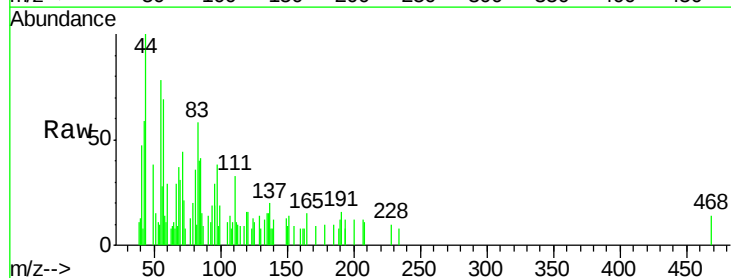
Instrument :
BNA_G
ClientSampleId :
JHSM8

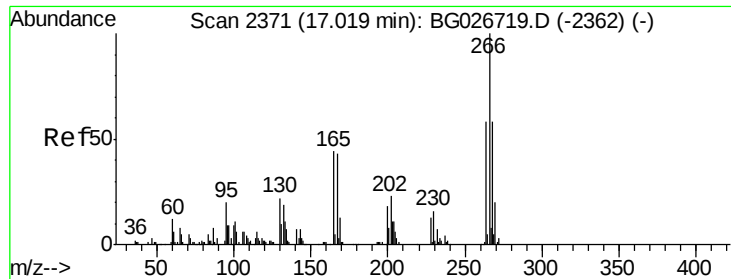
Tgt Ion:248 Resp: 123
Ion Ratio Lower Upper
248 100
250 0.0 71.9 107.9#
141 0.0 53.8 80.8#



#67
Atrazine
Concen: 0.02 ng/ul
RT: 16.78 min Scan# 2331
Delta R.T. -0.02 min
Lab File: BG026728.D
Acq: 28 Apr 2017 1:12

Tgt Ion:200 Resp: 203
Ion Ratio Lower Upper
200 100
173 0.0 19.2 28.8#
215 0.0 40.3 60.5#

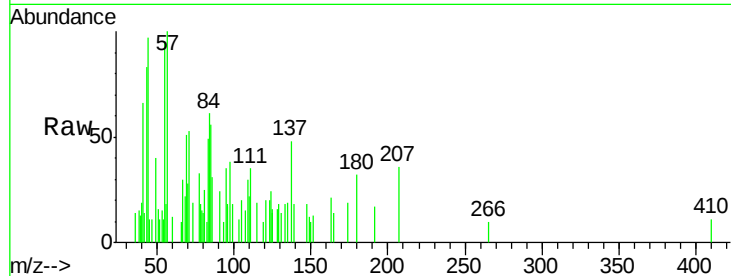




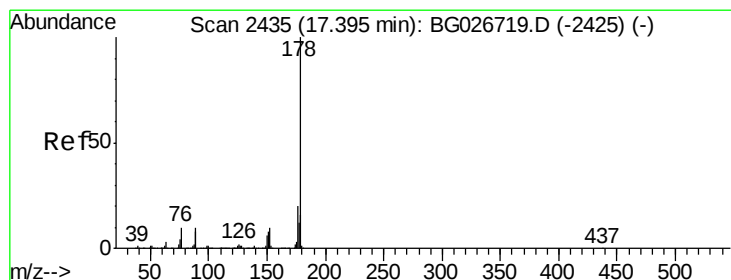
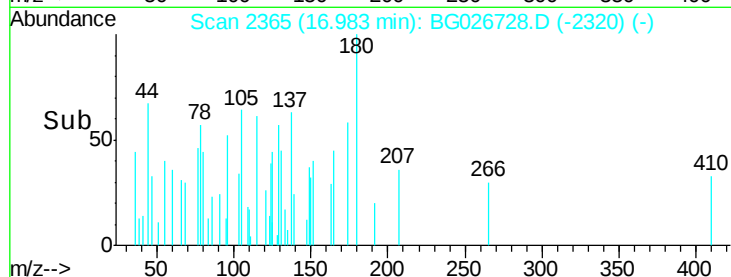
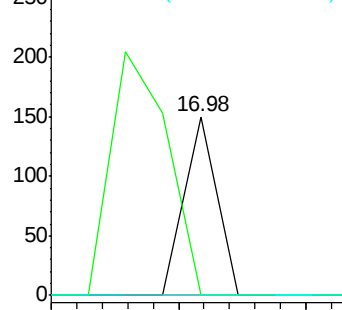
#68
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.98 min Scan# 2365
 Delta R.T. -0.04 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

Instrument :
 BNA_G
 ClientSampleId :
 JHSM8

Tgt Ion: 266 Resp: 53
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.1 70.7#
 268 0.0 56.2 84.4#

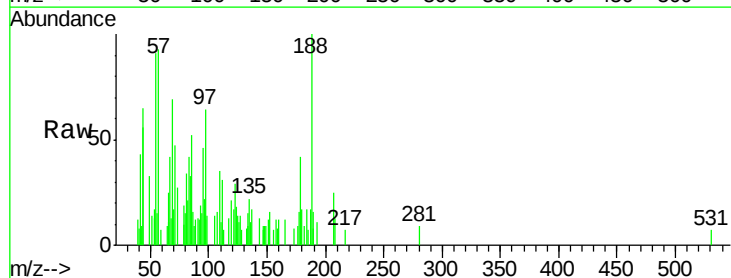


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

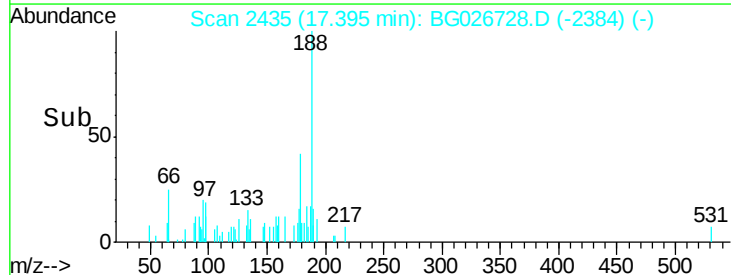
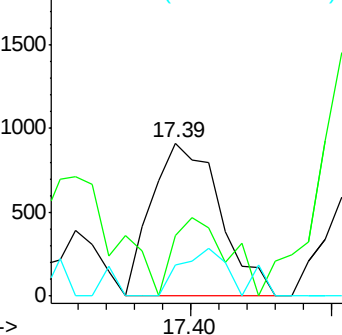


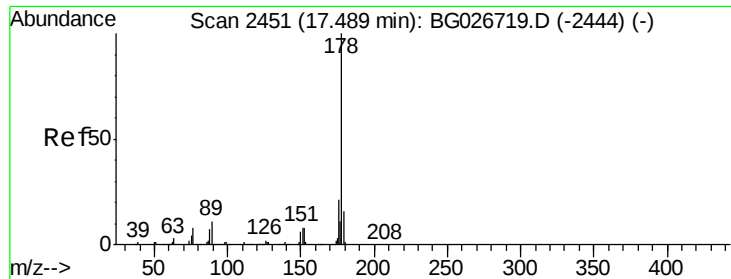
#69
 Phenanthrene
 Concen: 0.03 ng/ul
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

Tgt Ion: 178 Resp: 1536
 Ion Ratio Lower Upper
 178 100
 179 39.5 12.4 18.6#
 176 20.4 16.5 24.7



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

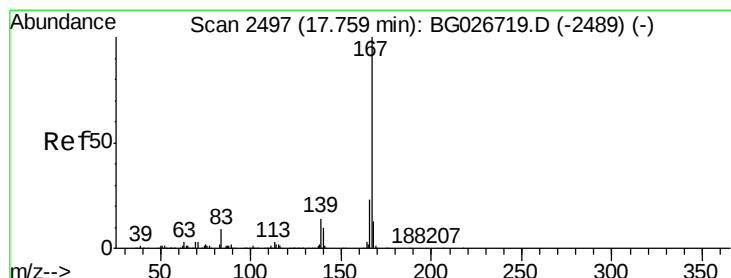
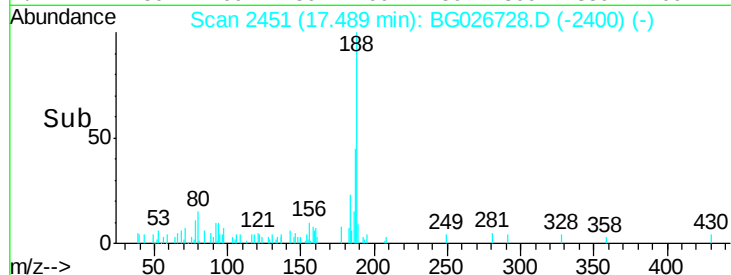
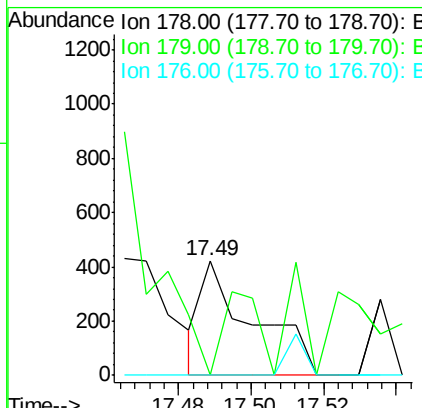
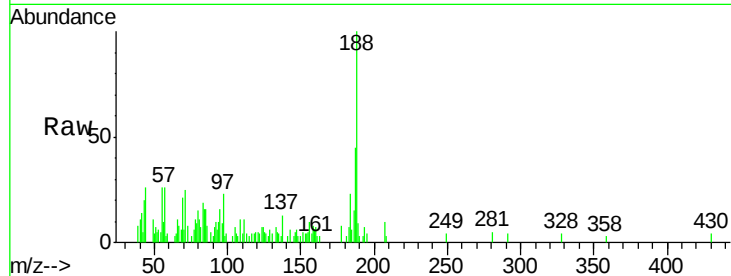




#71
 Anthracene
 Concen: 0.01 ng/ul
 RT: 17.49 min Scan# 2451
 Delta R.T. -0.00 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

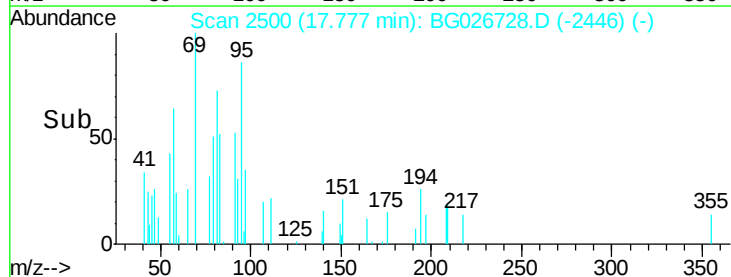
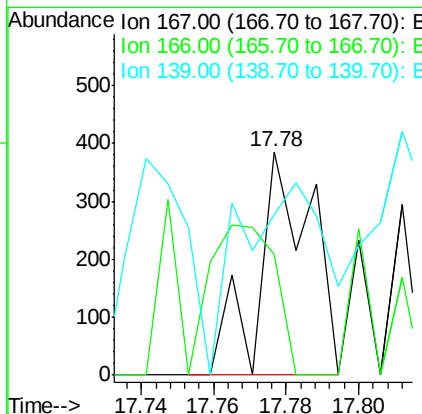
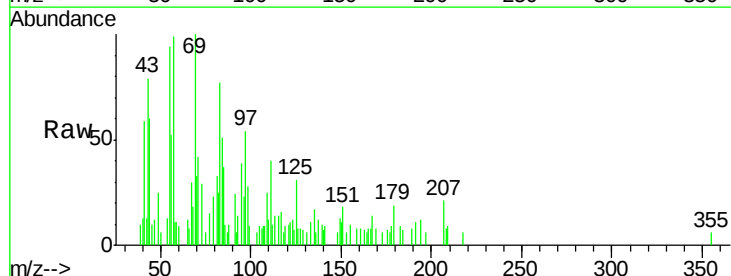
Instrument :
 BNA_G
 ClientSampleId :
 JHSM8

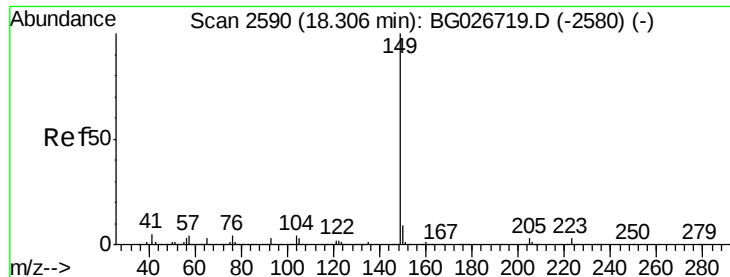
Tgt Ion:178 Resp: 419
 Ion Ratio Lower Upper
 178 100
 179 0.0 12.6 19.0#
 176 0.0 15.9 23.9#



#72
 Carbazole
 Concen: 0.01 ng/ul
 RT: 17.78 min Scan# 2500
 Delta R.T. 0.02 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

Tgt Ion:167 Resp: 389
 Ion Ratio Lower Upper
 167 100
 166 53.9 17.9 26.9#
 139 72.0 10.5 15.7#

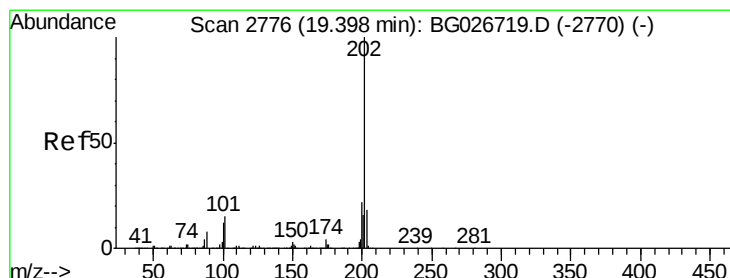
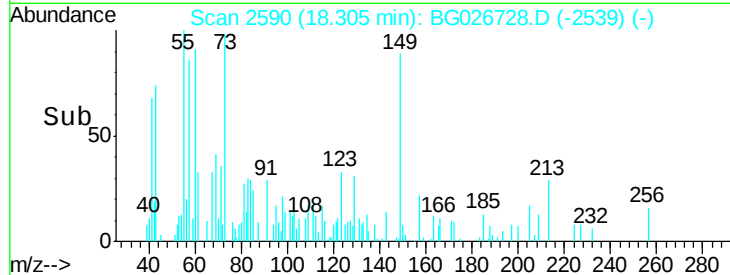
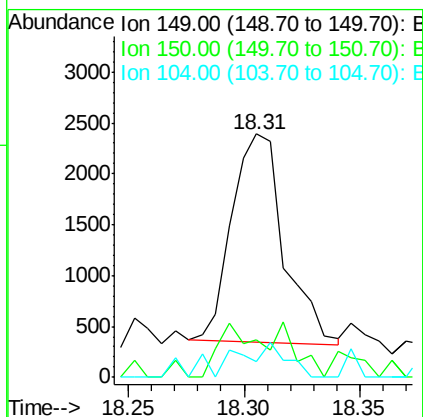
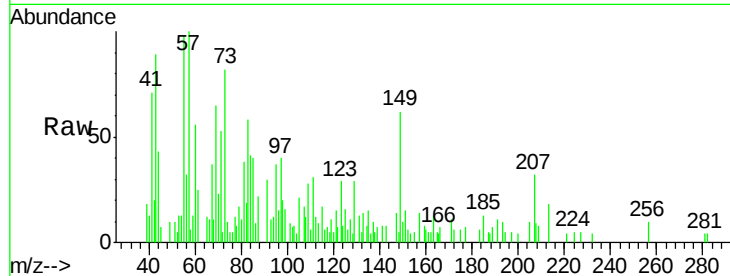




#73
Di-n-butylphthalate
Concen: 0.06 ng/ul
RT: 18.31 min Scan# 2590
Delta R.T. -0.00 min
Lab File: BG026728.D
Acq: 28 Apr 2017 1:12

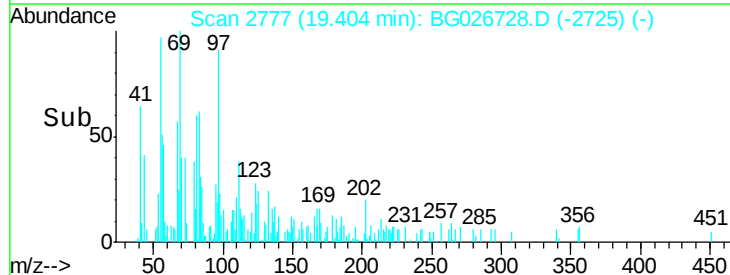
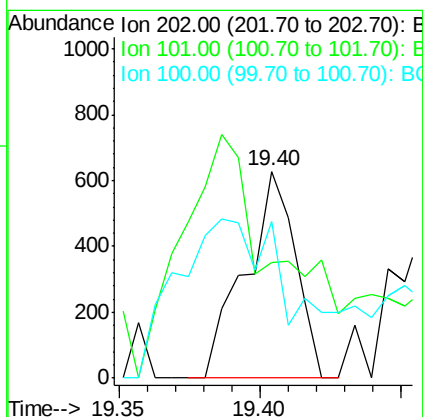
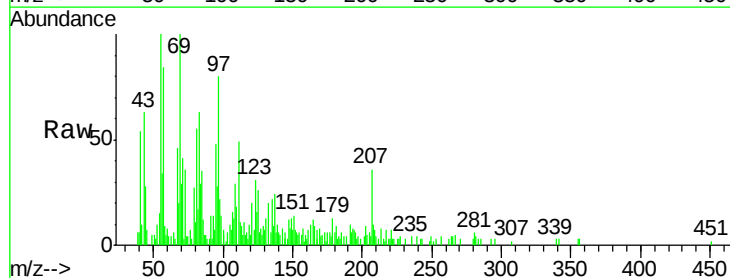
Instrument :
BNA_G
ClientSampleId :
JHSM8

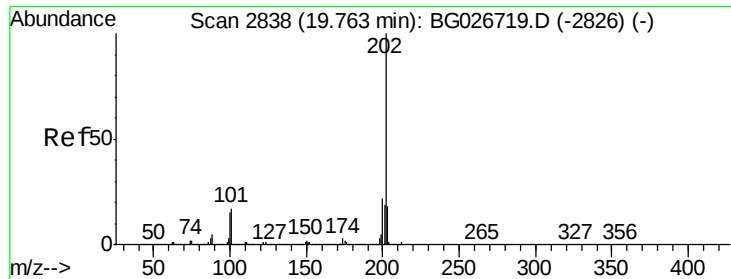
Tgt Ion:149 Resp: 3235
Ion Ratio Lower Upper
149 100
150 15.3 7.9 11.9#
104 6.3 5.8 8.8



#74
Fluoranthene
Concen: 0.02 ng/ul
RT: 19.40 min Scan# 2777
Delta R.T. 0.01 min
Lab File: BG026728.D
Acq: 28 Apr 2017 1:12

Tgt Ion:202 Resp: 770
Ion Ratio Lower Upper
202 100
101 56.1 6.2 9.2#
100 131.5 5.2 7.8#

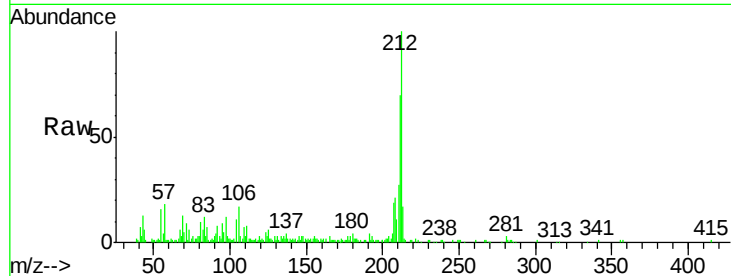




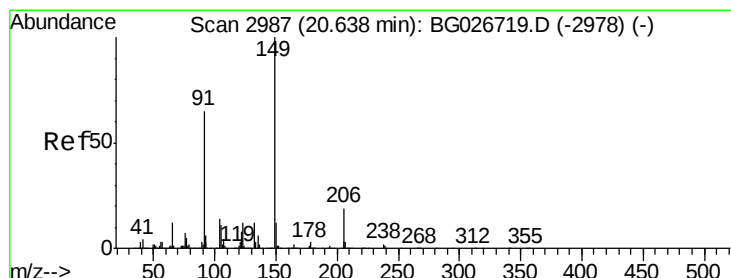
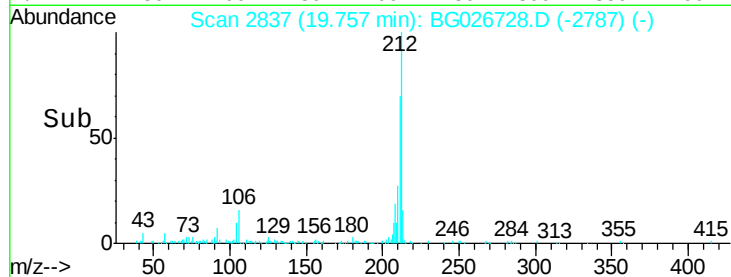
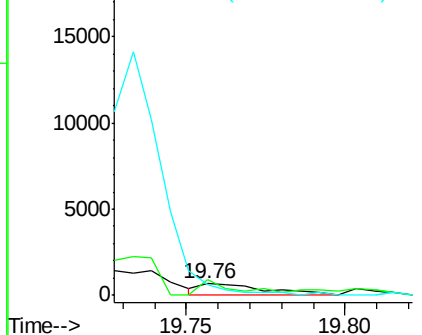
#77
 Pyrene
 Concen: 0.02 ng/ul
 RT: 19.76 min Scan# 2837
 Delta R.T. -0.01 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

Instrument :
 BNA_G
 ClientSampleId :
 JHSM8

Tgt Ion	Ratio	Lower	Upper
202	100		
101	134.4	6.9	10.3#
100	92.1	6.6	10.0#

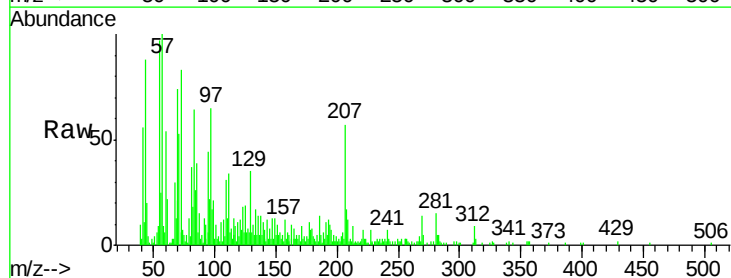


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

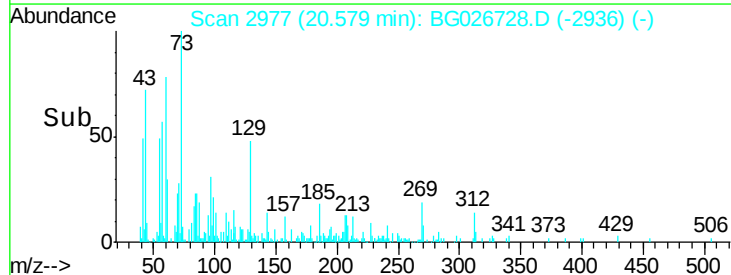
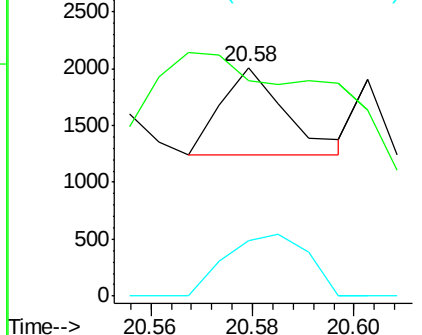


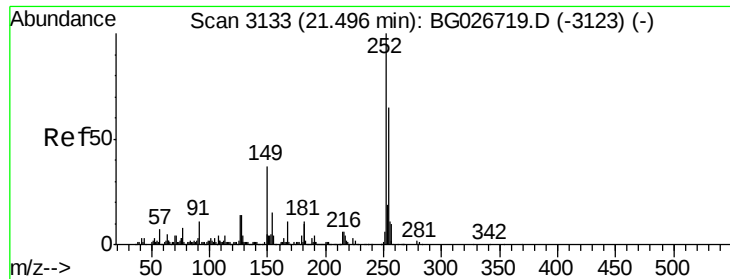
#78
 Butylbenzylphthalate
 Concen: 0.03 ng/ul
 RT: 20.58 min Scan# 2977
 Delta R.T. -0.06 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

Tgt Ion	Ratio	Lower	Upper
149	100		
91	94.1	65.8	98.6
206	24.5	20.1	30.1



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): B
 Ion 206.00 (205.70 to 206.70): E

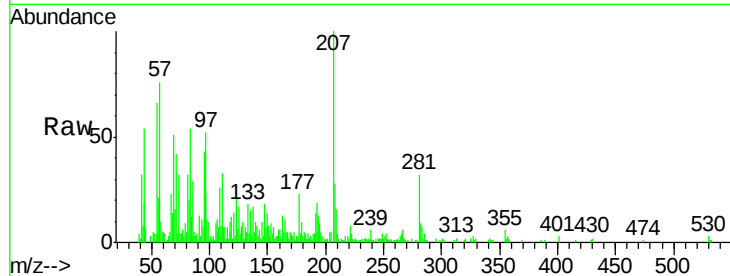




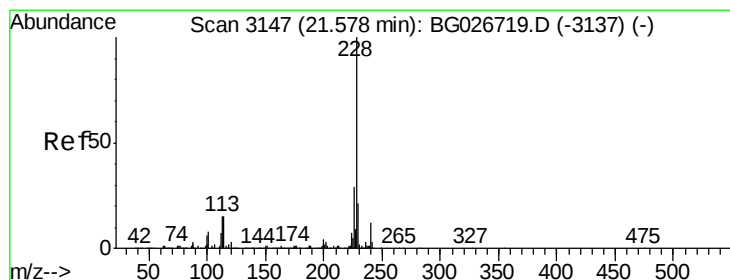
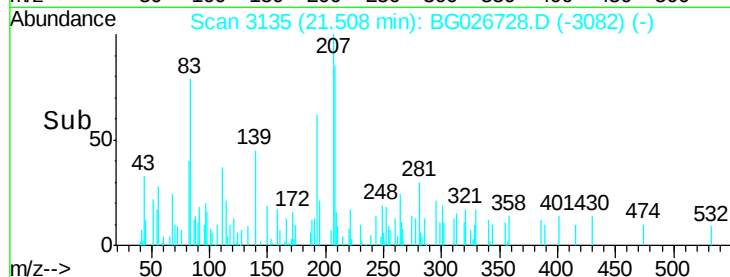
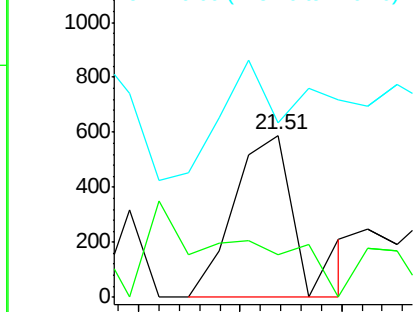
#79
 3,3'-Dichlorobenzidine
 Concen: 0.04 ng/ul
 RT: 21.51 min Scan# 3135
 Delta R.T. 0.01 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

Instrument :
 BNA_G
 ClientSampled :
 JHSM8

Tgt Ion:252 Resp: 524
 Ion Ratio Lower Upper
 252 100
 254 26.4 49.0 73.6#
 126 107.7 5.1 7.7#

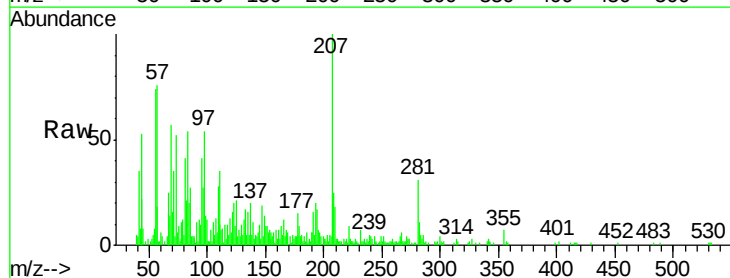


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

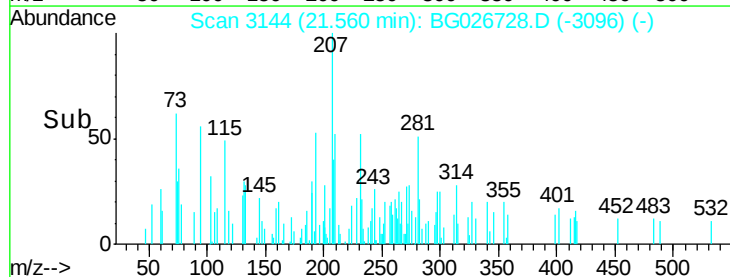
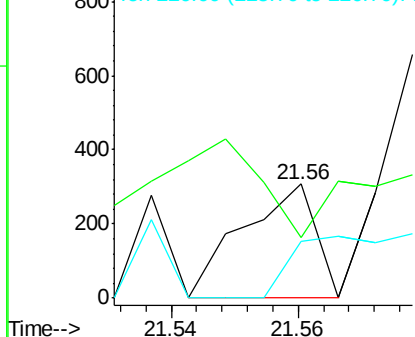


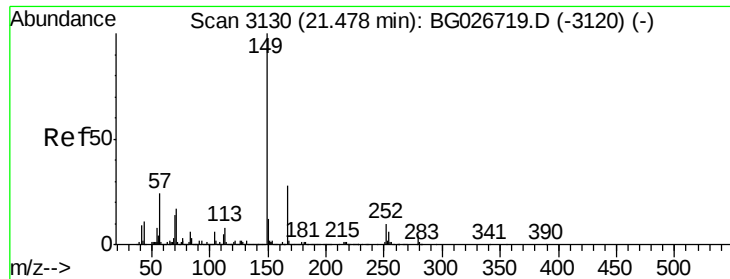
#80
 Benzo(a)anthracene
 Concen: 0.01 ng/ul
 RT: 21.56 min Scan# 3144
 Delta R.T. -0.02 min
 Lab File: BG026728.D
 Acq: 28 Apr 2017 1:12

Tgt Ion:228 Resp: 244
 Ion Ratio Lower Upper
 228 100
 229 52.6 16.3 24.5#
 226 50.0 21.9 32.9#



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 229.00 (228.70 to 229.70): E
 Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 0.42 ng/ul

RT: 21.48 min Scan# 3130

Delta R.T. -0.00 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

Instrument :

BNA_G

ClientSampleId :

JHSM8

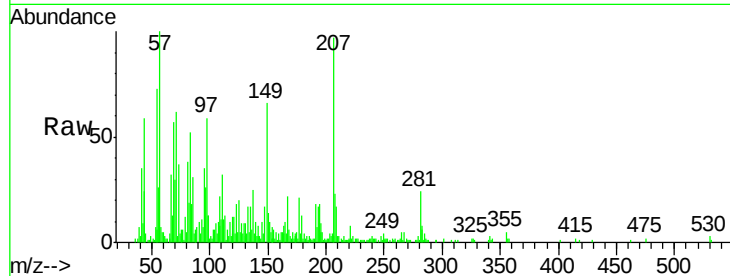
Tgt Ion:149 Resp: 14240

Ion Ratio Lower Upper

149 100

167 34.1 21.8 32.8#

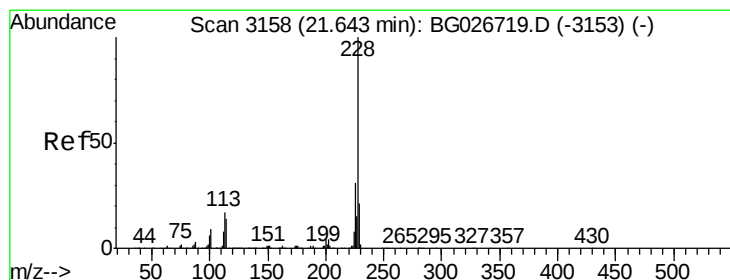
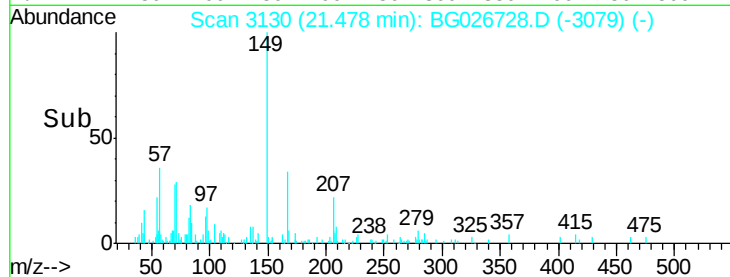
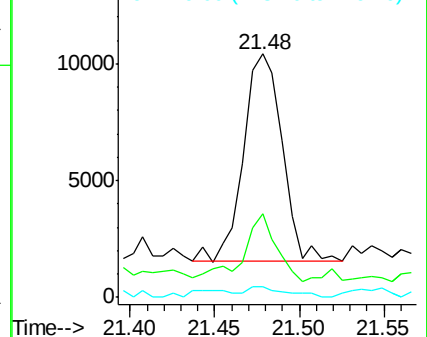
279 4.5 4.5 6.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 0.01 ng/ul

RT: 21.67 min Scan# 3162

Delta R.T. 0.02 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

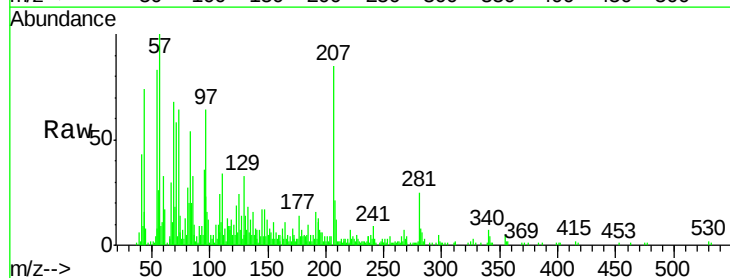
Tgt Ion:228 Resp: 390

Ion Ratio Lower Upper

228 100

226 65.0 24.0 36.0#

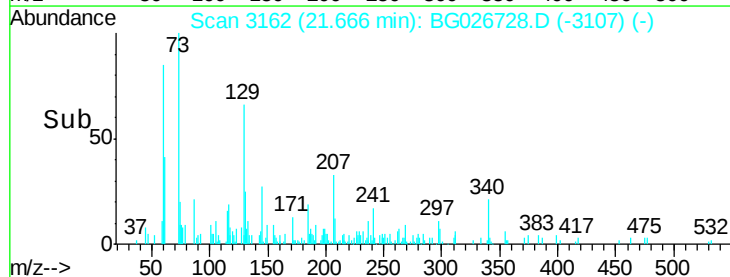
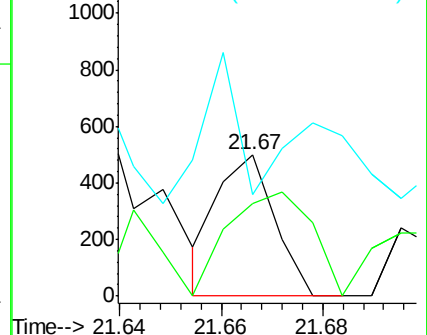
229 71.8 16.9 25.3#

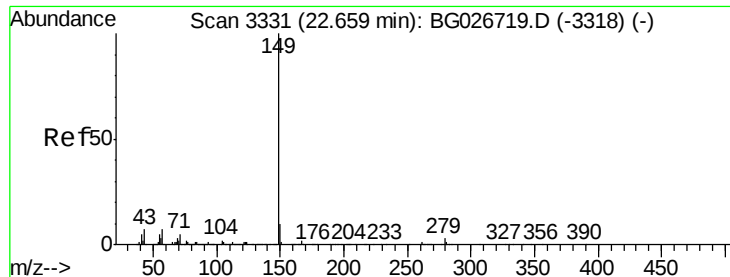


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Di-n-octyl phthalate

Concen: 0.01 ng/ul

RT: 22.68 min Scan# 3334

Delta R.T. 0.02 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

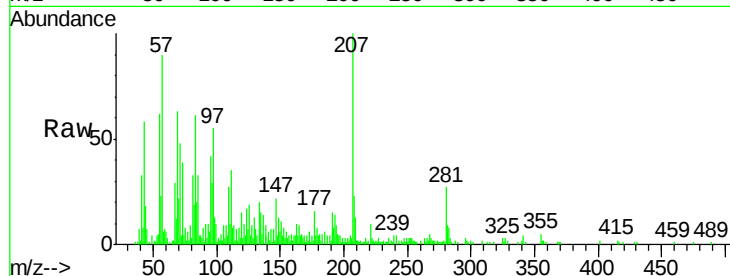
Instrument :

BNA_G

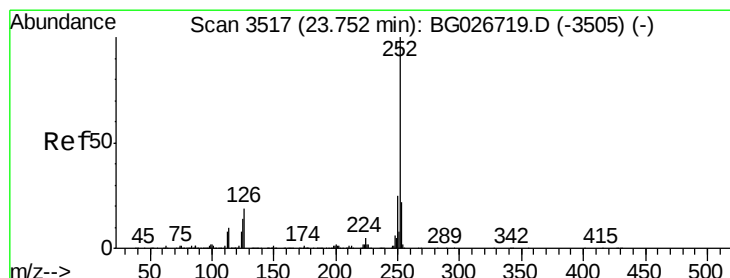
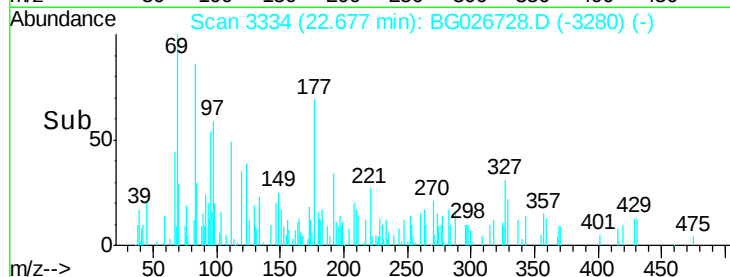
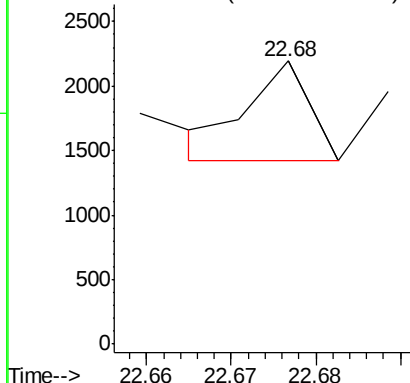
ClientSampleId :

JHSM8

Tgt Ion:149 Resp: 381



Abundance Ion 149.00 (148.70 to 149.70): E



#85

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 23.73 min Scan# 3513

Delta R.T. -0.02 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

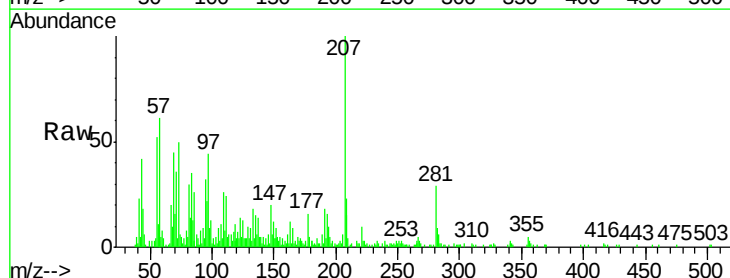
Tgt Ion:252 Resp: 544

Ion Ratio Lower Upper

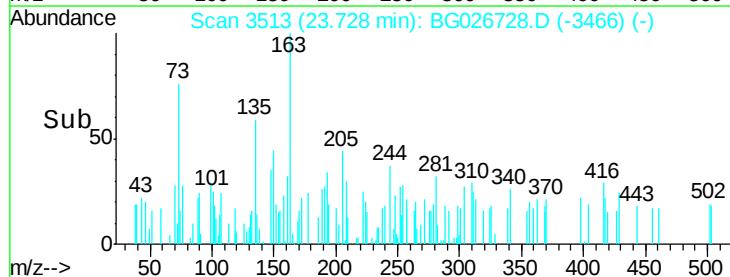
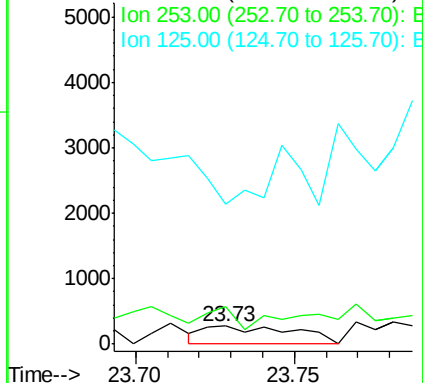
252 100

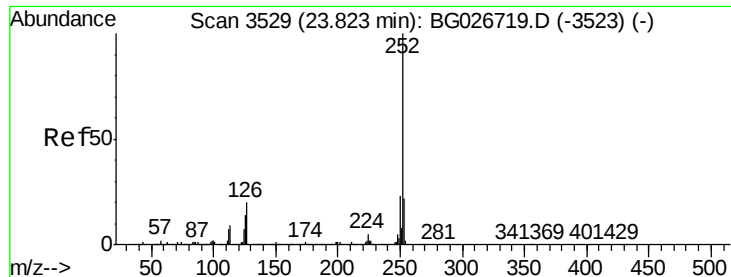
253 213.2 17.7 26.5#

125 783.5 4.0 6.0#



Abundance Ion 252.00 (251.70 to 252.70): E





#86

Benzo(k)fluoranthene

Concen: 0.02 ng/ul

RT: 23.83 min Scan# 3530

Delta R.T. 0.01 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

Instrument :

BNA_G

ClientSampleId :

JHSM8

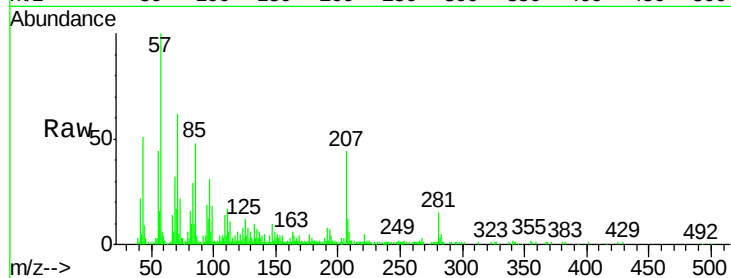
Tgt Ion:252 Resp: 914

Ion Ratio Lower Upper

252 100

253 91.9 18.5 27.7#

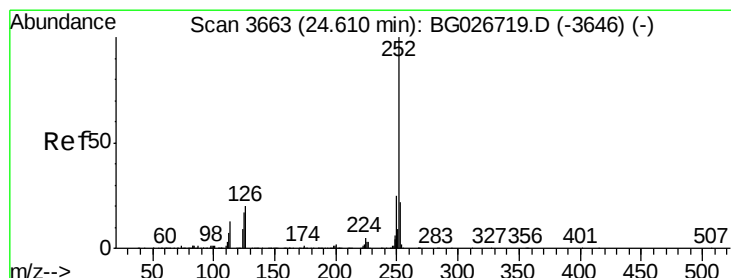
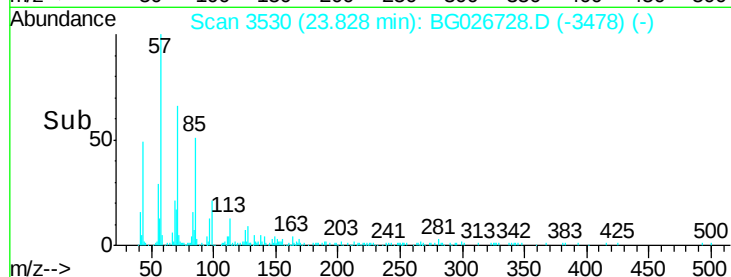
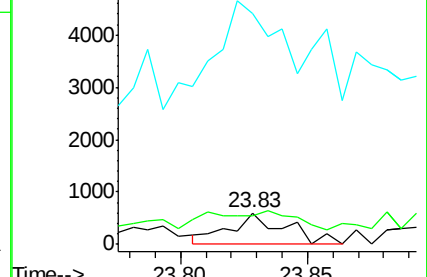
125 727.4 4.1 6.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 24.63 min Scan# 3667

Delta R.T. 0.02 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

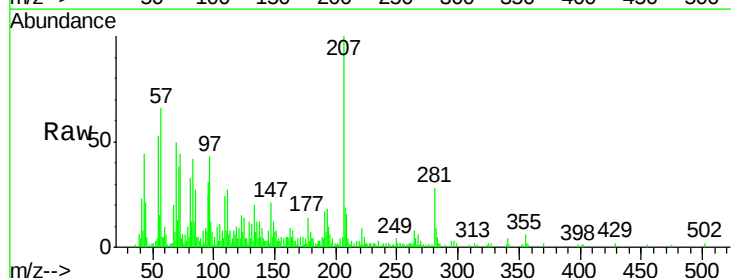
Tgt Ion:252 Resp: 411

Ion Ratio Lower Upper

252 100

253 111.2 17.8 26.6#

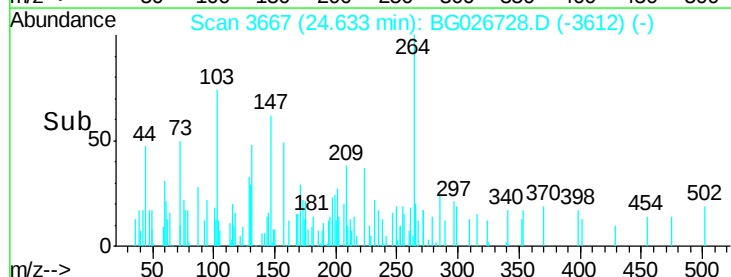
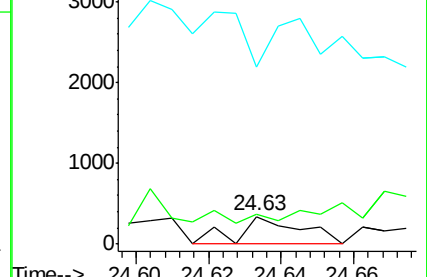
125 650.6 5.4 8.0#

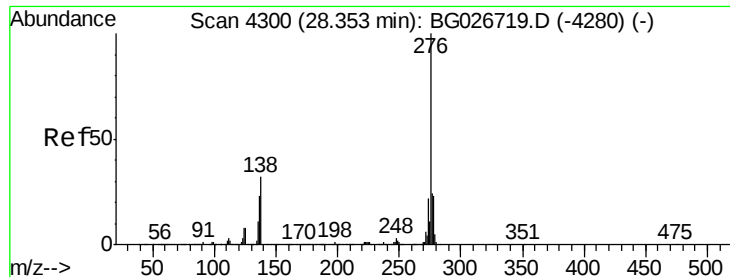


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 28.35 min Scan# 4300

Delta R.T. -0.00 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

Instrument :

BNA_G

ClientSampled :

JHSM8

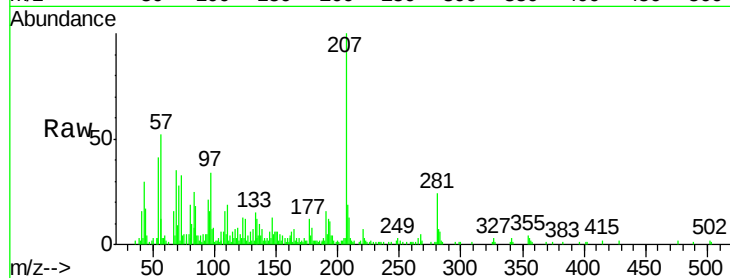
Tgt Ion:276 Resp: 125

Ion Ratio Lower Upper

276 100

138 442.8 8.2 12.4#

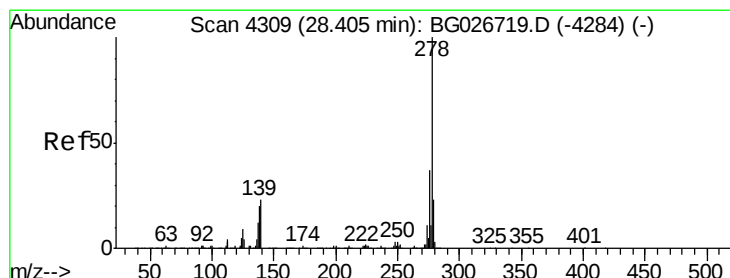
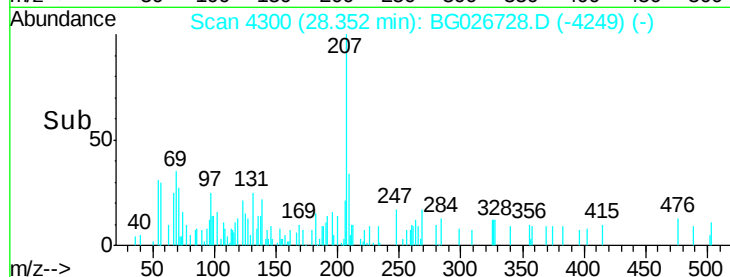
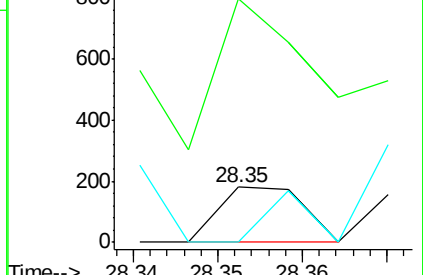
277 0.0 18.6 28.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#90

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 28.40 min Scan# 4308

Delta R.T. -0.01 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

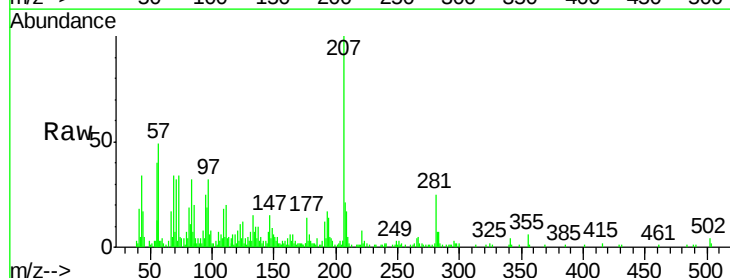
Tgt Ion:278 Resp: 122

Ion Ratio Lower Upper

278 100

139 456.1 6.7 10.1#

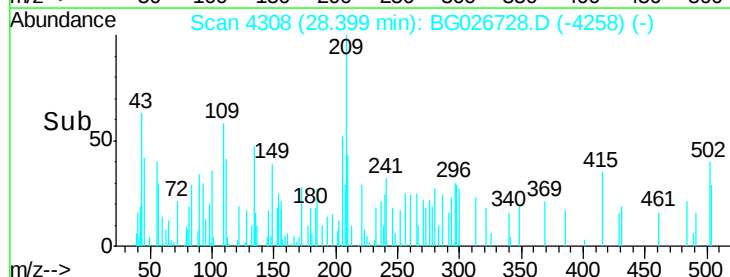
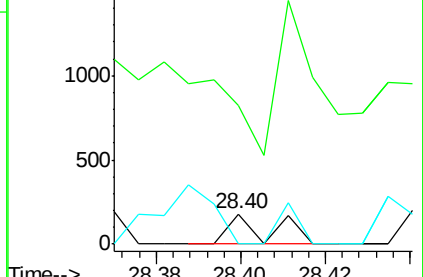
279 0.0 20.9 31.3#

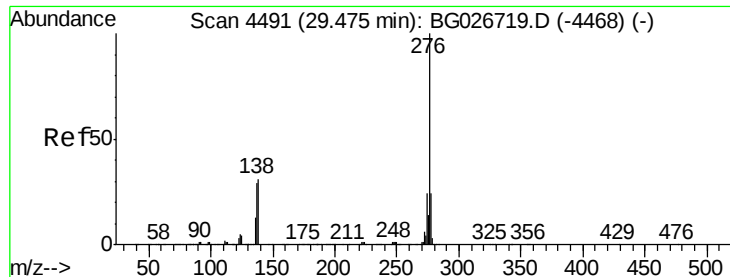


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 0.01 ng/ul

RT: 29.47 min Scan# 4491

Delta R.T. -0.00 min

Lab File: BG026728.D

Acq: 28 Apr 2017 1:12

Instrument :

BNA_G

ClientSampleId :

JHSM8

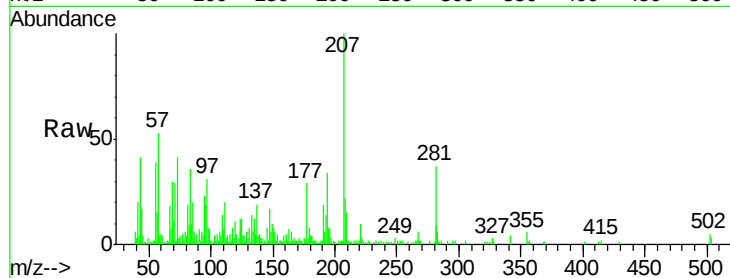
Tgt Ion:276 Resp: 234

Ion Ratio Lower Upper

276 100

138 265.3 8.6 12.8#

277 0.0 17.6 26.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

