

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG101417\
 Data File : BG029190.D
 Acq On : 13 Oct 2017 11:18
 Operator : SJ/JU
 Sample : SSTD00557
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 13 17:06:27 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 13 16:52:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	35985	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	150179	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	156812	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.52	188	279533	20.00	ng/ul	0.00
75) Chrysene-d12	21.79	240	304730	20.00	ng/ul	0.00
83) Perylene-d12	25.10	264	299491	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	1485	4.60	ng/uL	0.00
5) Phenol-d5	0.00	99	0d	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	0.00	67	0d	0.00	ng/ul	
9) 2-Chlorophenol-d4	7.70	132	11371	4.67	ng/ul	0.00
13) 4-Methylphenol-d8	0.00	113	0d	0.00	ng/ul	
19) Nitrobenzene-d5	9.33	128	4780	4.10	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	4713	4.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	12909	4.80	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	14.19	166	70155	5.36	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	84450	5.15	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
57) Fluorene-d10	15.77	176	48673	4.21	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.62	188	67315	5.02	ng/ul	0.00
76) Pyrene-d10	19.89	212	78865	4.79	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.87	264	74337	4.84	ng/ul	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.59	88	2304	5.54	ng/uL#	83
10) 2-Chlorophenol	7.73	128	11680	4.72	ng/ul	95
15) N-Nitroso-di-n-propylamine	8.97	70	12179	4.19	ng/ul#	96
17) Hexachloroethane	9.26	117	4952	4.14	ng/ul#	78
20) Nitrobenzene	9.38	77	13727	4.08	ng/ul#	97
21) Isophorone	9.90	82	32859	4.82	ng/ul	95
23) 2-Nitrophenol	10.09	139	5015	4.09	ng/ul#	89
24) 2,4-Dimethylphenol	10.14	107	15653	4.68	ng/ul	92
25) Bis(2-Chloroethoxy)methane	10.38	93	18895	4.88	ng/ul	97
27) 2,4-Dichlorophenol	10.62	162	11995	4.67	ng/ul	93
28) Naphthalene	11.04	128	39991	4.91	ng/ul	99
31) Hexachlorobutadiene	11.32	225	9895	4.83	ng/ul	91
33) 4-Chloro-3-methylphenol	12.25	107	14736	4.68	ng/ul	89
34) 2-Methylnaphthalene	12.63	142	47930	6.54	ng/ul	90
36) 1,2,4,5-Tetrachlorobenzene	13.00	216	21842	5.06	ng/ul#	94
38) 2,4,6-Trichlorophenol	13.23	196	15223	5.20	ng/ul	95
39) 2,4,5-Trichlorophenol	13.30	196	16169	5.20	ng/ul	97
40) 1,1'-Biphenyl	13.63	154	68210	6.17	ng/ul	99
41) 2-Chloronaphthalene	13.67	162	50434	5.94	ng/ul	94
42) 2-Nitroaniline	13.86	65	13198	4.94	ng/ul	96
44) Dimethylphthalate	14.23	163	69893	5.28	ng/ul	98
45) 2,6-Dinitrotoluene	14.34	165	9005	4.20	ng/ul#	91
47) Acenaphthylene	14.51	152	87793	5.33	ng/ul	99

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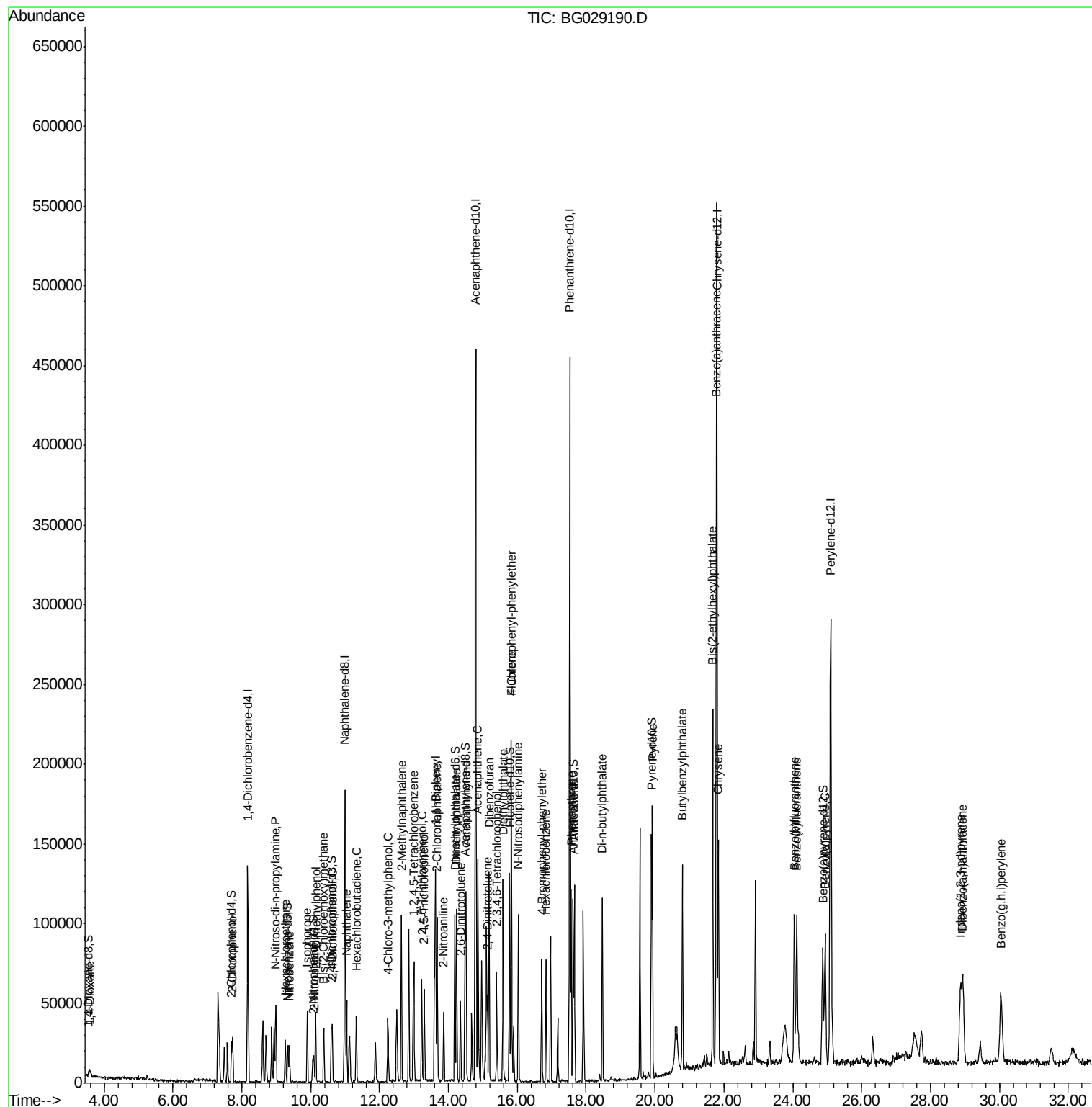
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Acenaphthene	14.85	153	57414	4.97	ng/ul	100
53) Dibenzofuran	15.18	168	82578	4.94	ng/ul	98
54) 2,4-Dinitrotoluene	15.14	165	12968	3.76	ng/ul#	98
55) 2,3,4,6-Tetrachlorophenol	15.40	232	13682	4.20	ng/ul#	99
56) Diethylphthalate	15.59	149	70784	4.57	ng/ul	99
58) Fluorene	15.83	166	51159	4.05	ng/ul	95
59) 4-Chlorophenyl-phenylether	15.82	204	26472	4.22	ng/ul	96
64) N-Nitrosodiphenylamine	16.02	169	39378	4.70	ng/ul	98
65) 4-Bromophenyl-phenylether	16.71	248	14924	4.93	ng/ul	97
66) Hexachlorobenzene	16.83	284	16241	5.09	ng/ul	95
69) Phenanthrene	17.56	178	74604	4.96	ng/ul	98
71) Anthracene	17.66	178	77858	5.00	ng/ul	98
73) Di-n-butylphthalate	18.47	149	81475	4.80	ng/ul	98
77) Pyrene	19.92	202	104284	4.91	ng/ul	99
78) Butylbenzylphthalate	20.80	149	37395	4.31	ng/ul	98
80) Benzo(a)anthracene	21.78	228	101851	5.09	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.67	149	57306	4.58	ng/ul	99
82) Chrysene	21.84	228	91013	5.05	ng/ul	97
85) Benzo(b)fluoranthene	24.04	252	94155m	4.81	ng/ul	
86) Benzo(k)fluoranthene	24.11	252	91245	4.83	ng/ul	97
88) Benzo(a)pyrene	24.94	252	92172	4.99	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	28.87	276	103993	5.48	ng/ul#	96
90) Dibenzo(a,h)anthracene	28.94	278	88718	5.53	ng/ul#	93
91) Benzo(g,h,i)perylene	30.05	276	88498	5.57	ng/ul	94
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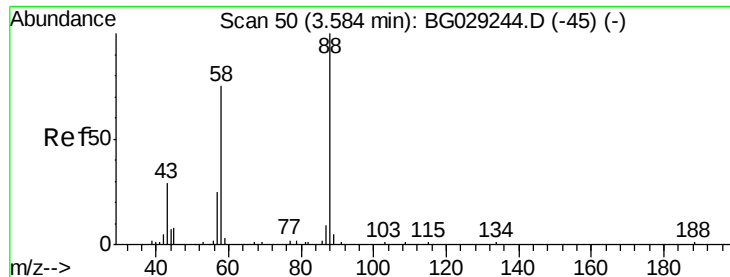
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 5.54 ng/uL

RT: 3.59 min Scan# 25

Delta R.T. 0.00 min

Lab File: BG029190.D

Acq: 13 Oct 2017 11:18

Instrument :

BNA_G

ClientSampleId :

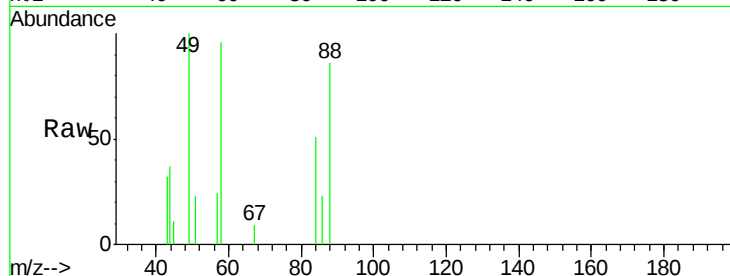
Tgt Ion: 88 Resp: 2304

Ion Ratio Lower Upper

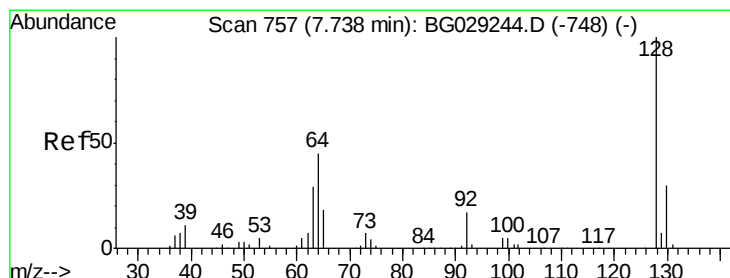
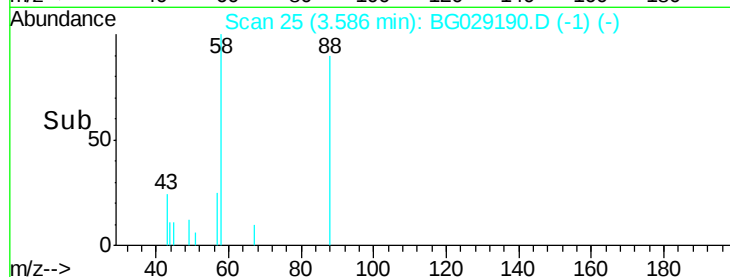
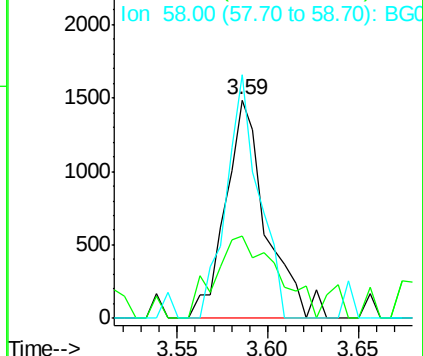
88 100

43 37.6 35.0 52.6

58 111.6 74.0 111.0#



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



#10

2-Chlorophenol

Concen: 4.72 ng/uL

RT: 7.73 min Scan# 731

Delta R.T. 0.00 min

Lab File: BG029190.D

Acq: 13 Oct 2017 11:18

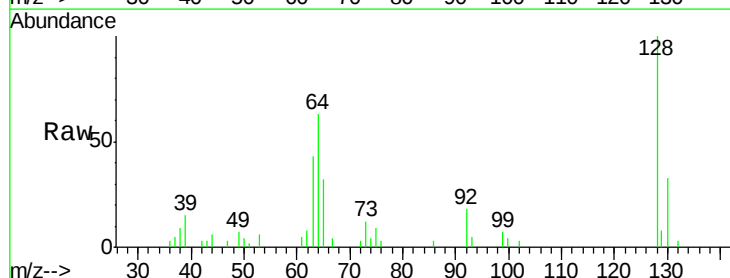
Tgt Ion: 128 Resp: 11680

Ion Ratio Lower Upper

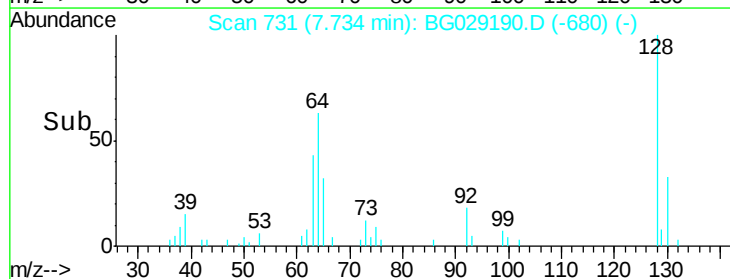
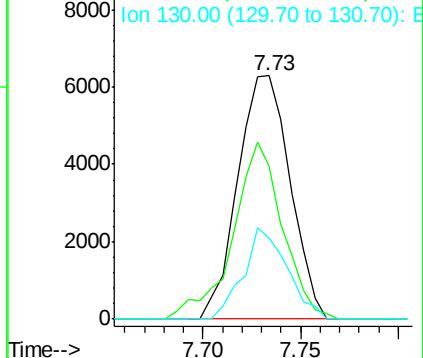
128 100

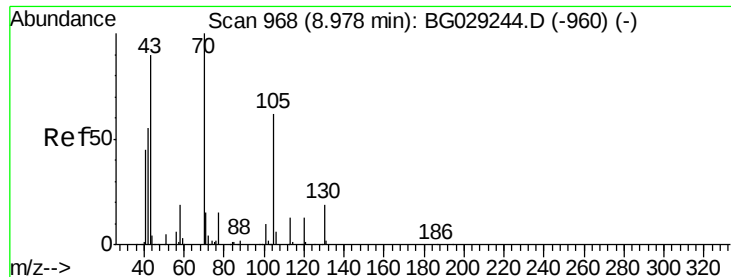
64 62.8 46.6 69.8

130 33.4 25.8 38.8



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





#15

N-Nitroso-di-n-propylamine

Concen: 4.19 ng/ul

RT: 8.97 min Scan# 941

Delta R.T. -0.00 min

Lab File: BG029190.D

Acq: 13 Oct 2017 11:18

Instrument :

BNA_G

ClientSampleId :

Tgt Ion: 70 Resp: 12179

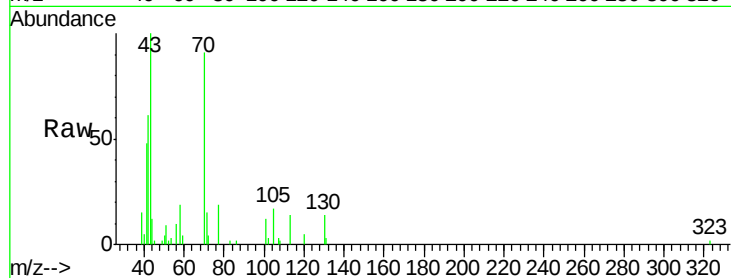
Ion Ratio Lower Upper

70 100

42 66.8 51.7 77.5

101 13.0 7.6 11.4#

130 15.9 14.6 22.0

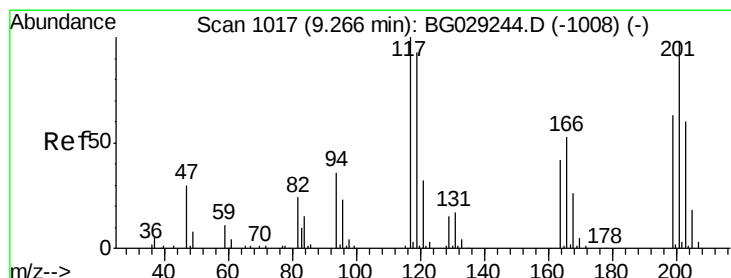
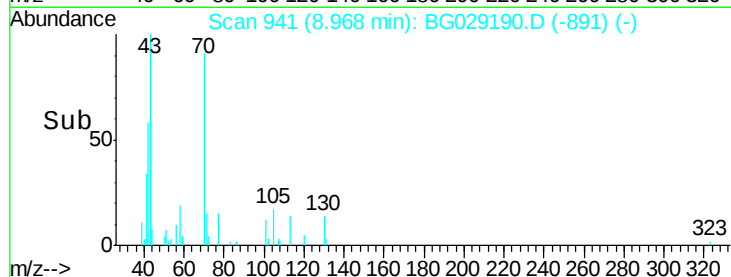
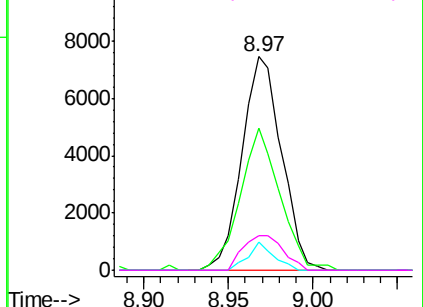


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#17

Hexachloroethane

Concen: 4.14 ng/ul

RT: 9.26 min Scan# 990

Delta R.T. -0.01 min

Lab File: BG029190.D

Acq: 13 Oct 2017 11:18

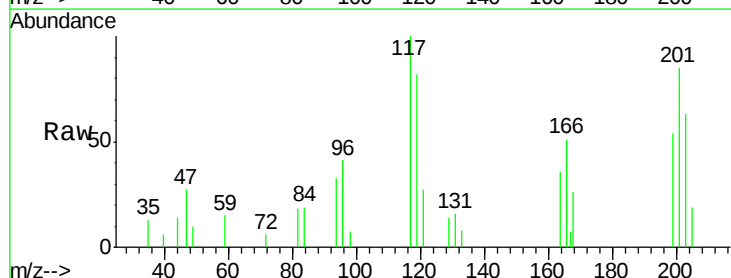
Tgt Ion: 117 Resp: 4952

Ion Ratio Lower Upper

117 100

201 84.7 88.1 132.1#

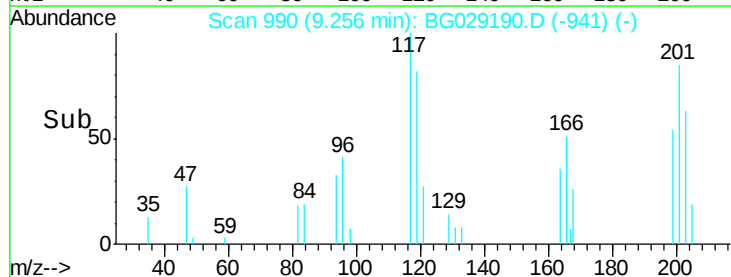
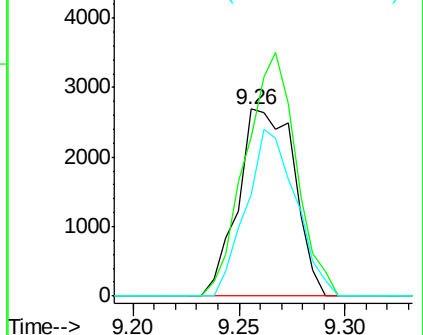
199 54.0 55.8 83.6#

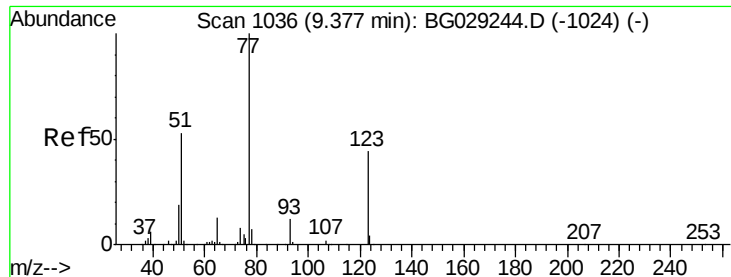


Abundance Ion 117.00 (116.70 to 117.70): BGC

Ion 201.00 (200.70 to 201.70): BGC

Ion 199.00 (198.70 to 199.70): BGC

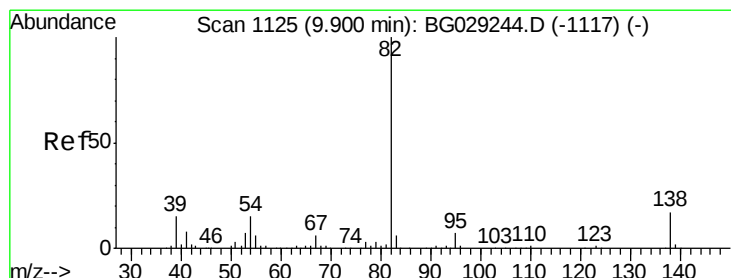
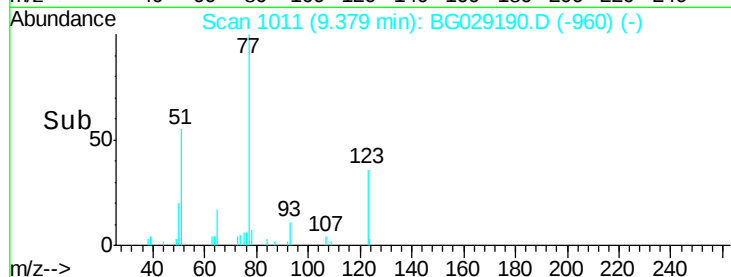
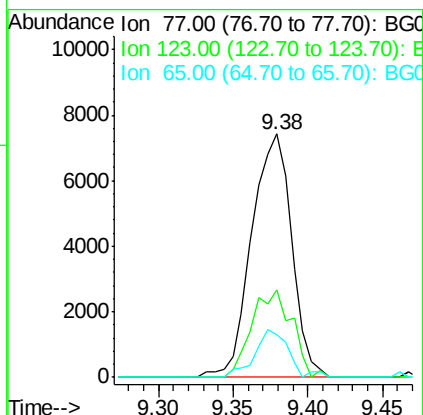
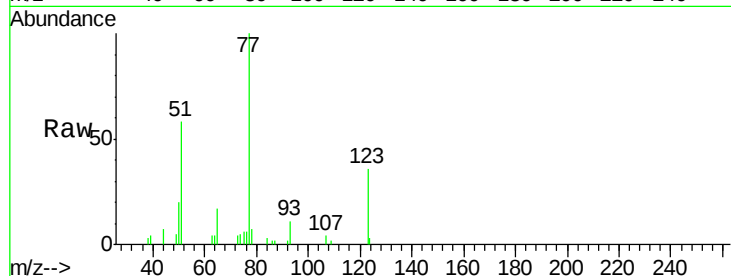




#20
Nitrobenzene
Concen: 4.08 ng/ul
RT: 9.38 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BG029190.D
Acq: 13 Oct 2017 11:18

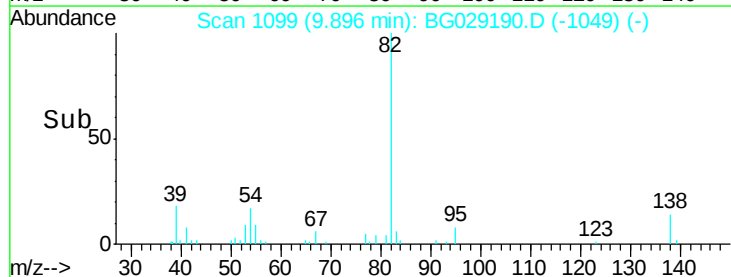
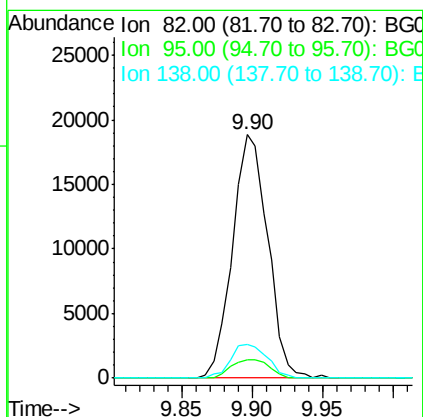
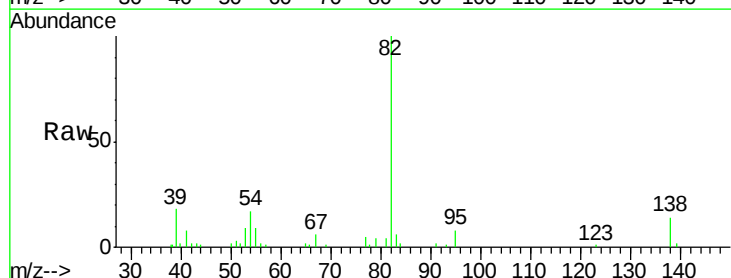
Instrument :
BNA_G
ClientSampleId :

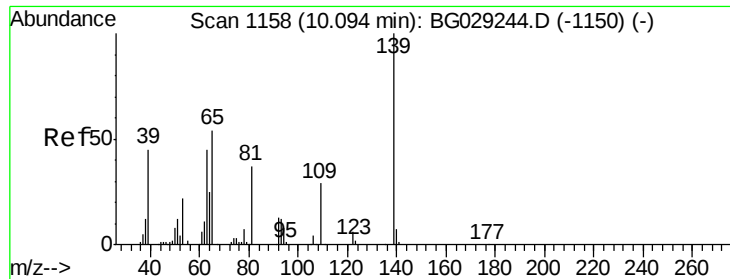
Tgt Ion: 77 Resp: 13727
Ion Ratio Lower Upper
77 100
123 36.0 28.6 43.0
65 17.3 11.2 16.8#



#21
Isophorone
Concen: 4.82 ng/ul
RT: 9.90 min Scan# 1099
Delta R.T. -0.00 min
Lab File: BG029190.D
Acq: 13 Oct 2017 11:18

Tgt Ion: 82 Resp: 32859
Ion Ratio Lower Upper
82 100
95 7.7 6.5 9.7
138 13.7 13.3 19.9

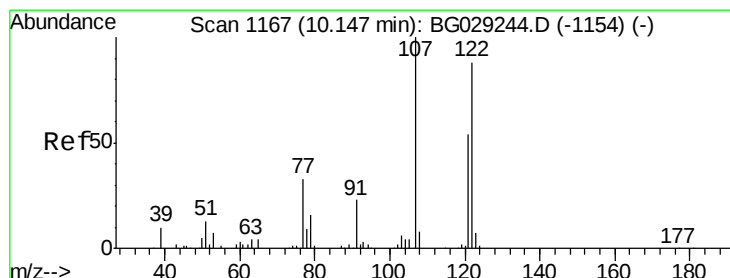
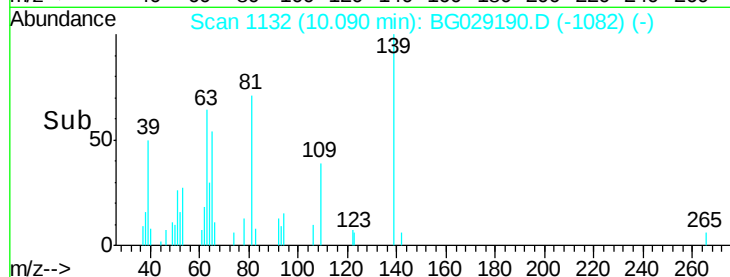
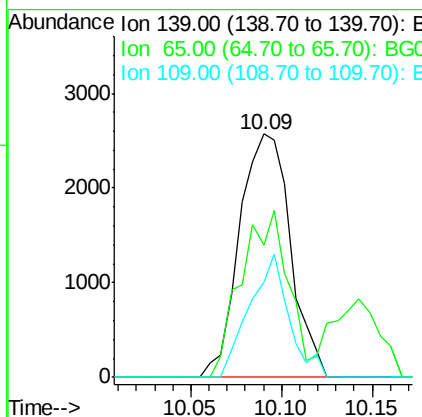
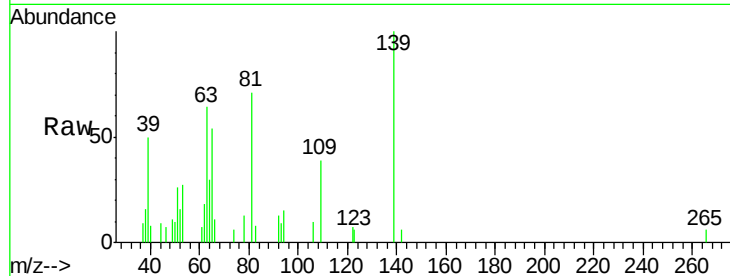




#23
2-Nitrophenol
Concen: 4.09 ng/ul
RT: 10.09 min Scan# 1132
Delta R.T. -0.00 min
Lab File: BG029190.D
Acq: 13 Oct 2017 11:18

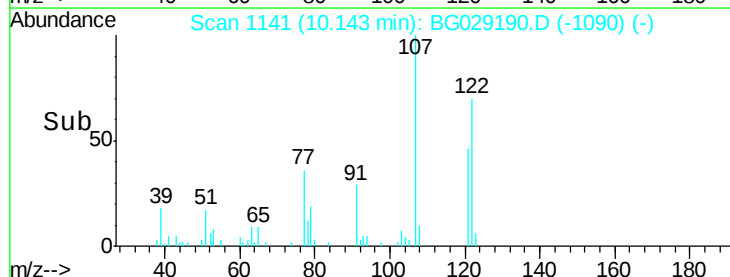
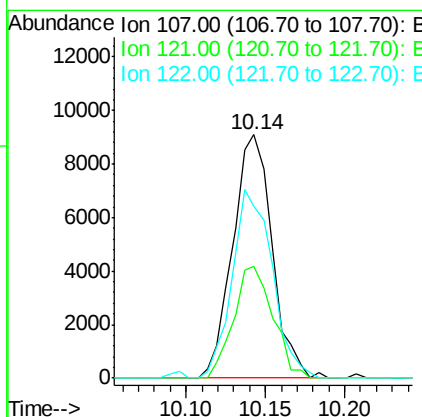
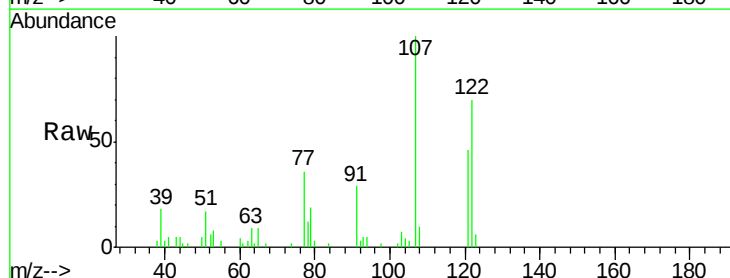
Instrument :
BNA_G
ClientSampleId :

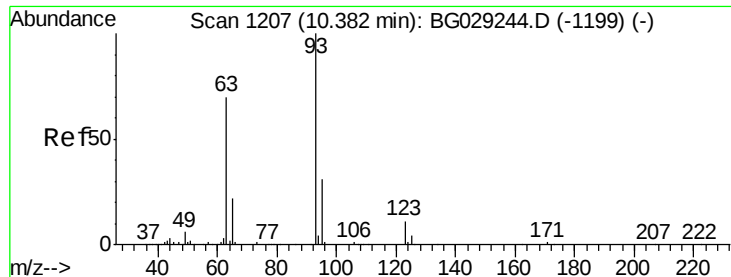
Tgt Ion:139 Resp: 5015
Ion Ratio Lower Upper
139 100
65 54.5 55.0 82.6#
109 38.9 31.2 46.8



#24
2,4-Dimethylphenol
Concen: 4.68 ng/ul
RT: 10.14 min Scan# 1141
Delta R.T. 0.00 min
Lab File: BG029190.D
Acq: 13 Oct 2017 11:18

Tgt Ion:107 Resp: 15653
Ion Ratio Lower Upper
107 100
121 46.1 33.8 50.6
122 70.5 62.8 94.2

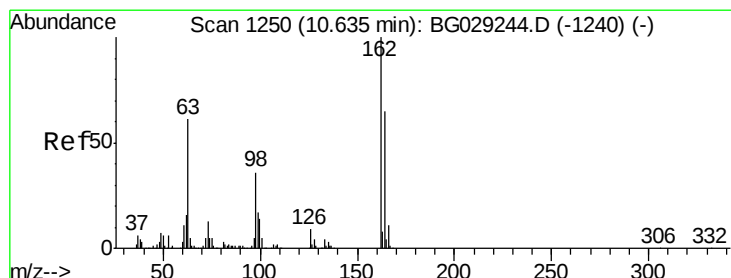
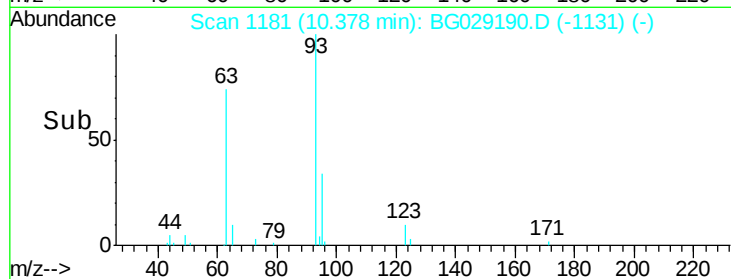
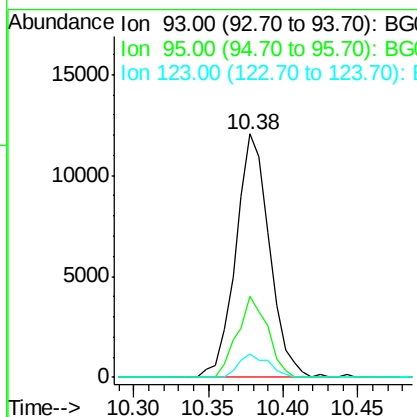
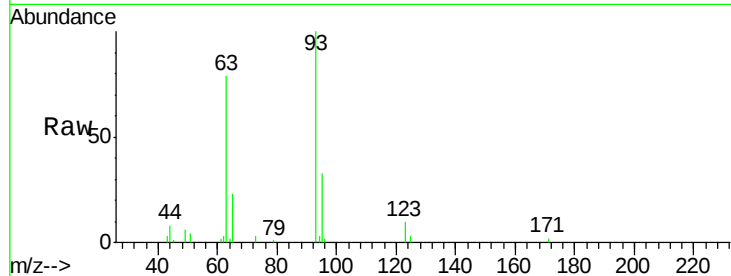




#25
 Bis(2-Chloroethoxy)methane
 Concen: 4.88 ng/ul
 RT: 10.38 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: BG029190.D
 Acq: 13 Oct 2017 11:18

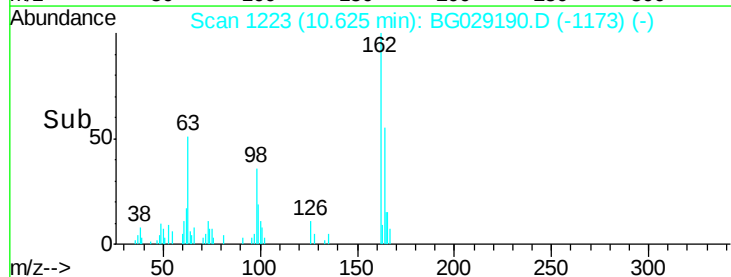
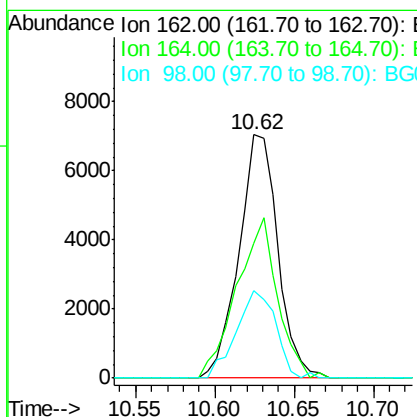
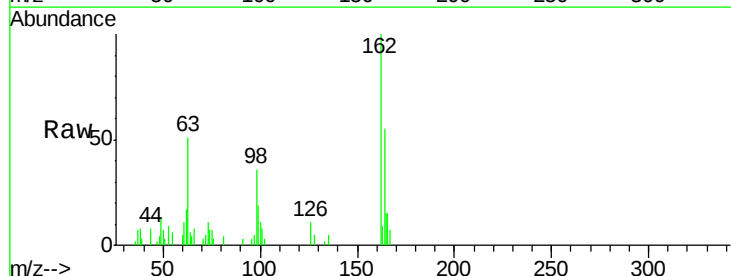
Instrument :
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 ClientSampleId :

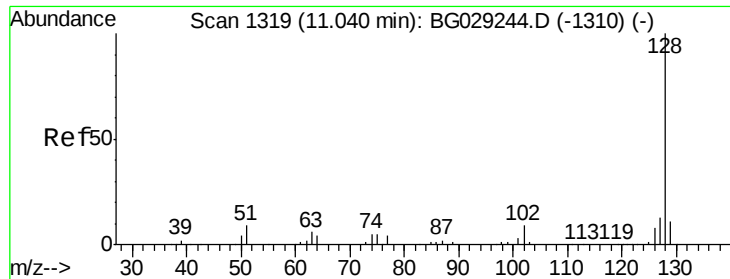
Tgt Ion: 93 Resp: 18895
 Ion Ratio Lower Upper
 93 100
 95 33.1 24.7 37.1
 123 9.5 7.5 11.3



#27
 2,4-Dichlorophenol
 Concen: 4.67 ng/ul
 RT: 10.62 min Scan# 1223
 Delta R.T. -0.00 min
 Lab File: BG029190.D
 Acq: 13 Oct 2017 11:18

Tgt Ion: 162 Resp: 11995
 Ion Ratio Lower Upper
 162 100
 164 55.5 49.7 74.5
 98 35.7 26.6 40.0

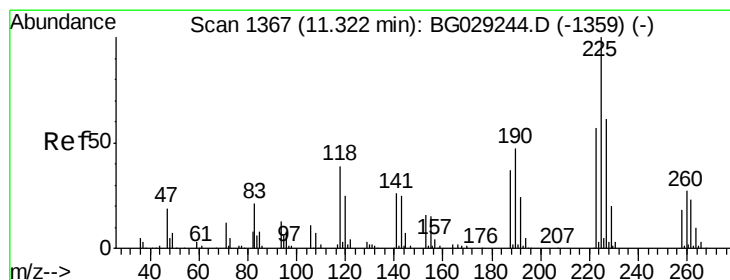
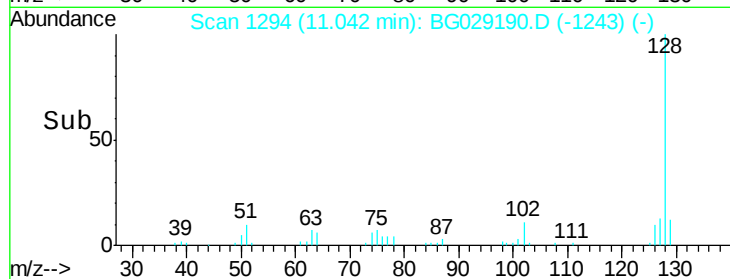
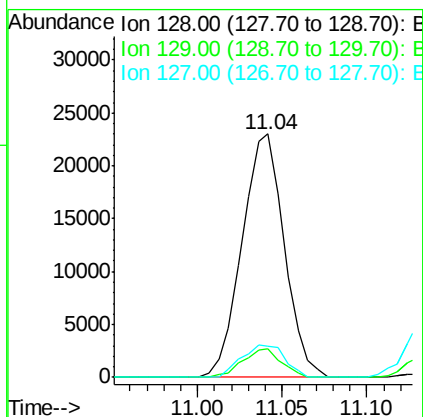
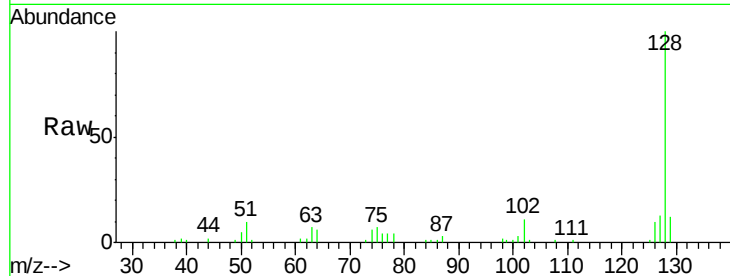




#28
Naphthalene
Concen: 4.91 ng/ul
RT: 11.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BG029190.D
Acq: 13 Oct 2017 11:18

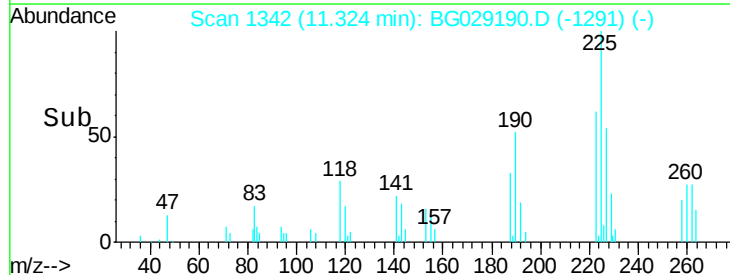
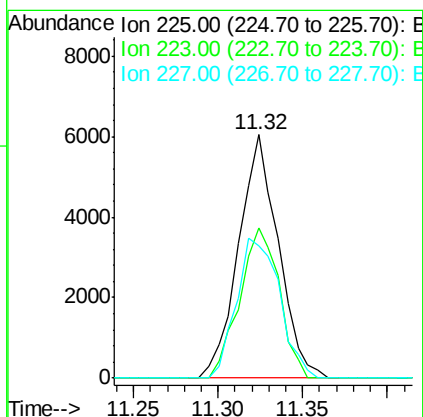
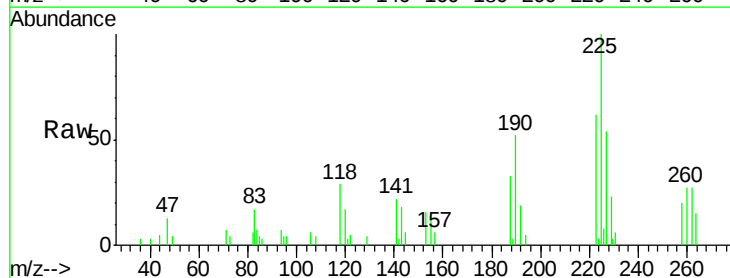
Instrument :
BNA_G
ClientSampleId :

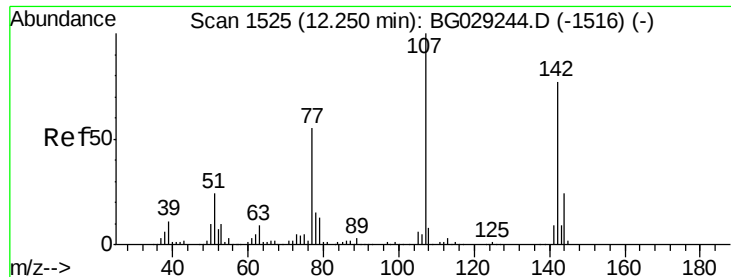
Tgt Ion:128 Resp: 39991
Ion Ratio Lower Upper
128 100
129 11.5 9.3 13.9
127 12.6 10.7 16.1



#31
Hexachlorobutadiene
Concen: 4.83 ng/ul
RT: 11.32 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BG029190.D
Acq: 13 Oct 2017 11:18

Tgt Ion:225 Resp: 9895
Ion Ratio Lower Upper
225 100
223 61.8 52.1 78.1
227 54.1 51.8 77.6

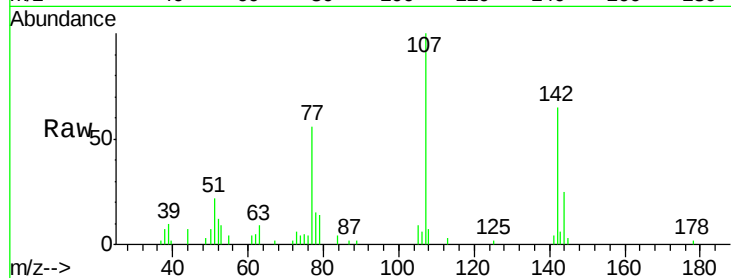




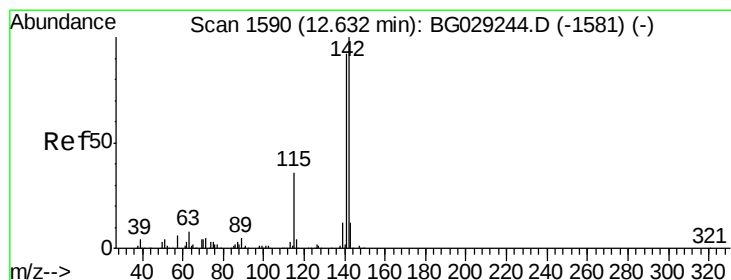
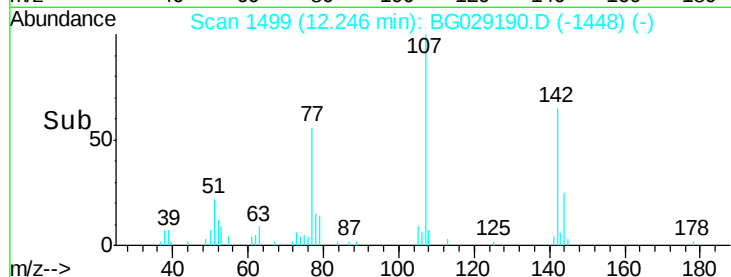
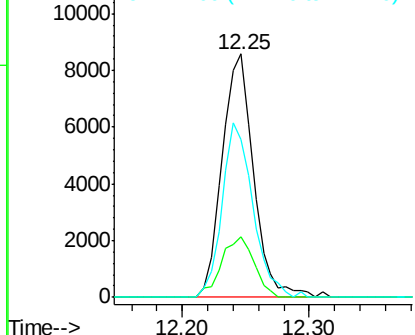
#33
 4-Chloro-3-methylphenol
 Concen: 4.68 ng/ul
 RT: 12.25 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: BG029190.D
 Acq: 13 Oct 2017 11:18

Instrument :
 BNA_G
 ClientSampled :

Tgt Ion:107 Resp: 14736
 Ion Ratio Lower Upper
 107 100
 144 24.8 18.0 27.0
 142 65.1 60.5 90.7

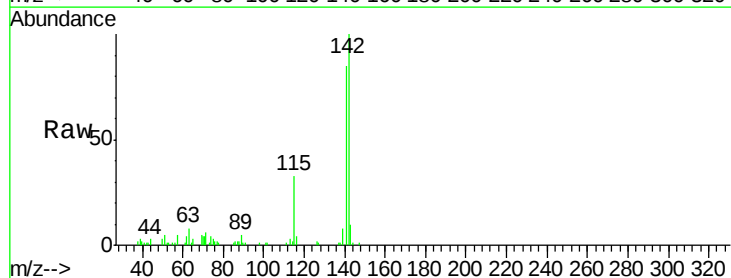


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

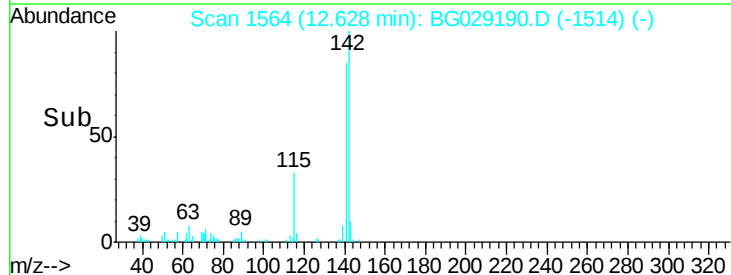
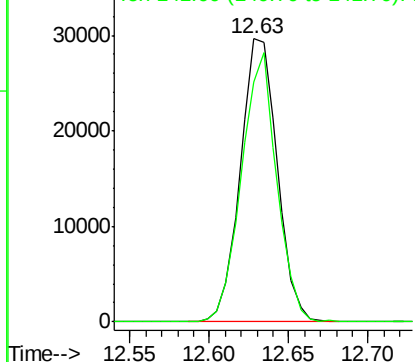


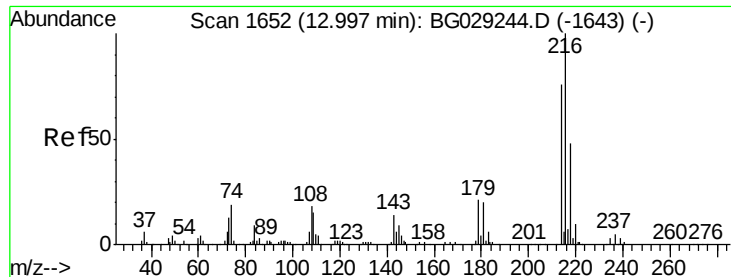
#34
 2-Methylnaphthalene
 Concen: 6.54 ng/ul
 RT: 12.63 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BG029190.D
 Acq: 13 Oct 2017 11:18

Tgt Ion:142 Resp: 47930
 Ion Ratio Lower Upper
 142 100
 141 84.9 75.4 113.0



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

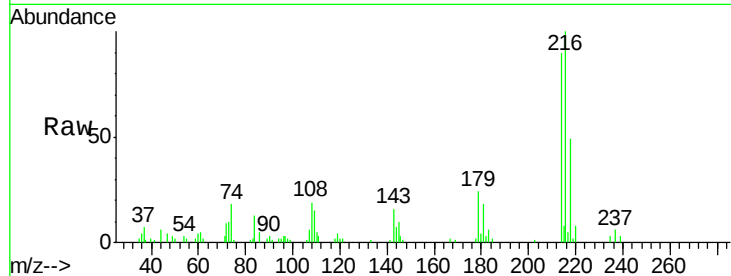




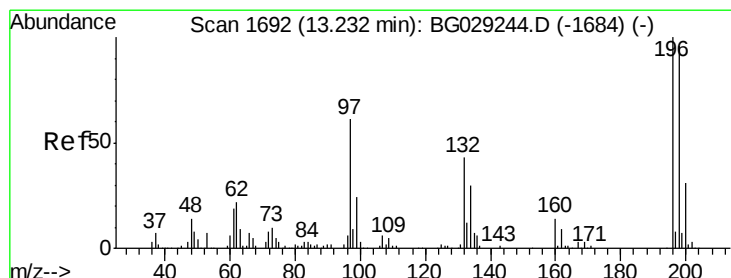
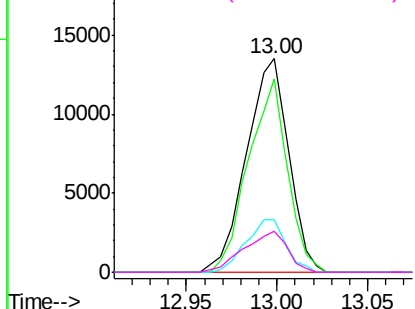
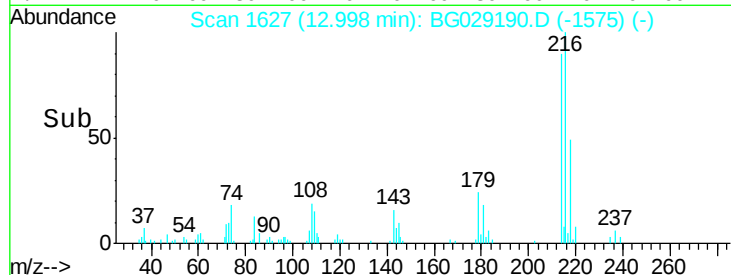
#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 5.06 ng/ul
 RT: 13.00 min Scan# 1627
 Delta R.T. 0.01 min
 Lab File: BG029190.D
 Acq: 13 Oct 2017 11:18

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion:	216	Resp:	21842
Ion	Ratio	Lower	Upper
216	100		
214	90.3	66.7	100.1
179	24.4	19.4	29.2
108	19.2	12.5	18.7#

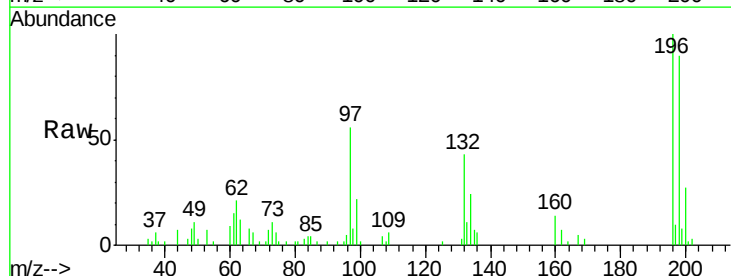


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

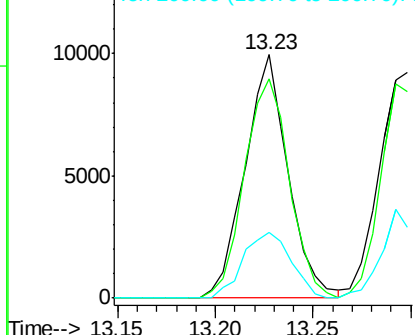
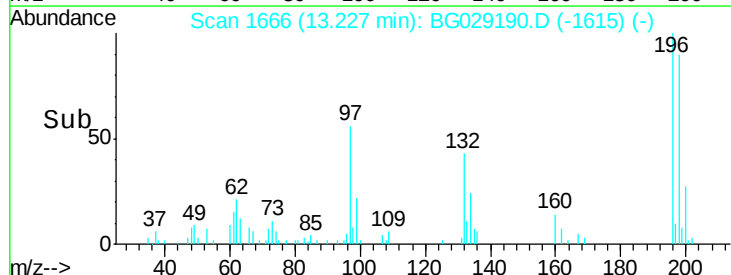


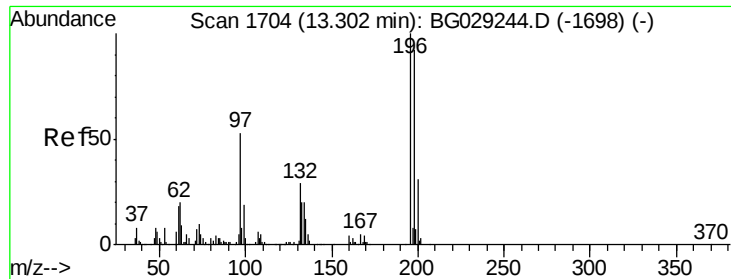
#38
 2,4,6-Trichlorophenol
 Concen: 5.20 ng/ul
 RT: 13.23 min Scan# 1666
 Delta R.T. 0.00 min
 Lab File: BG029190.D
 Acq: 13 Oct 2017 11:18

Tgt Ion:	196	Resp:	15223
Ion	Ratio	Lower	Upper
196	100		
198	90.2	75.2	112.8
200	27.2	26.2	39.4



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

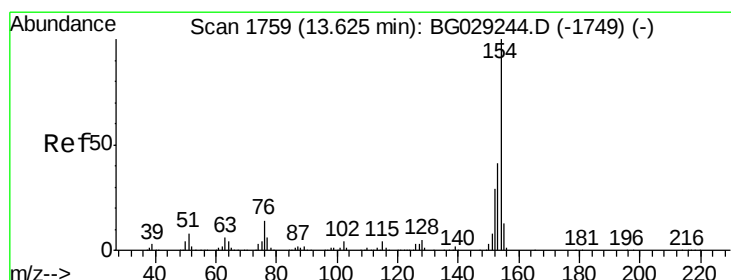
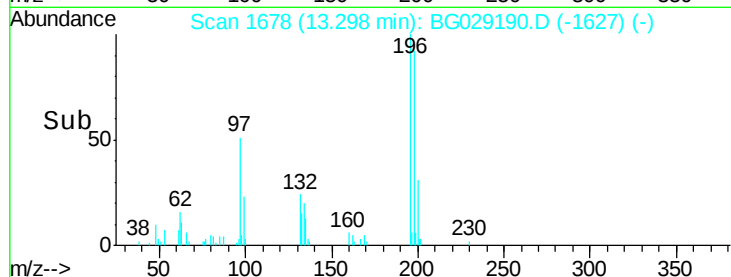
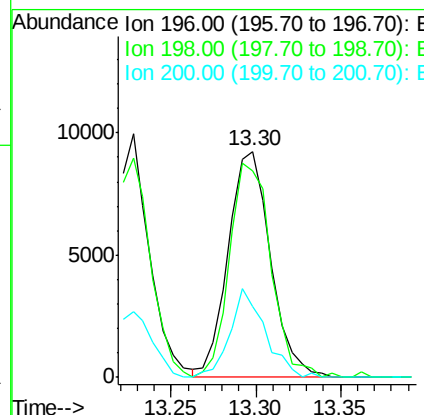
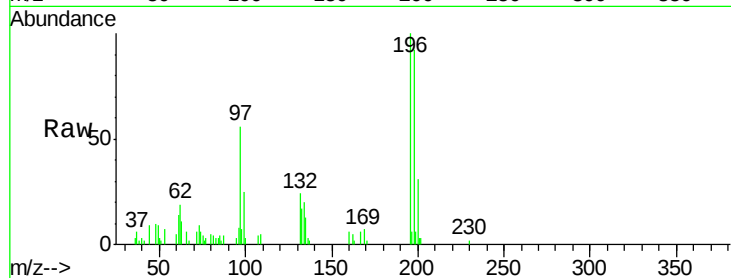




#39
 2,4,5-Trichlorophenol
 Concen: 5.20 ng/ul
 RT: 13.30 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: BG029190.D
 Acq: 13 Oct 2017 11:18

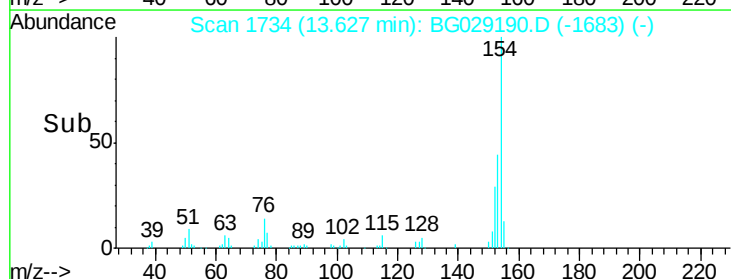
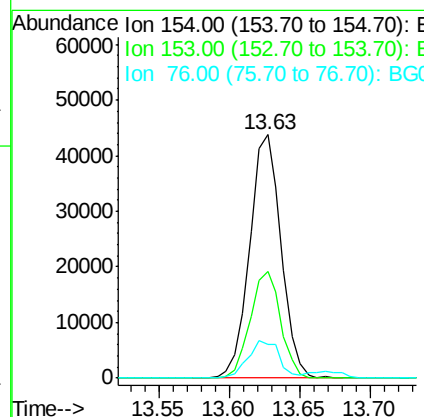
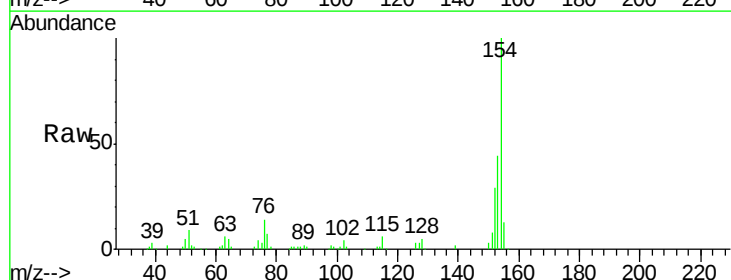
Instrument :
 BNA_G
 ClientSampleId :

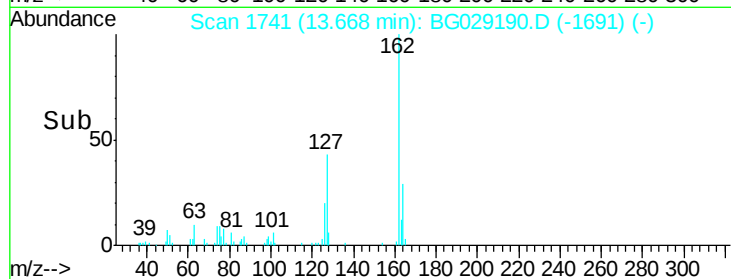
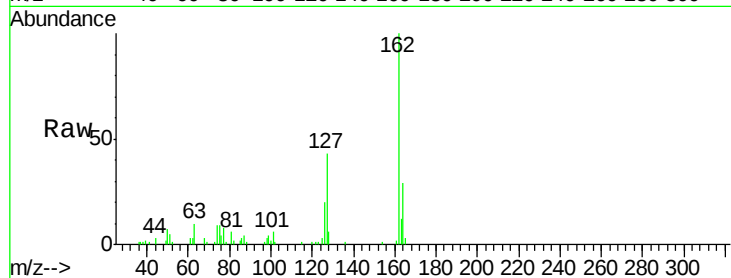
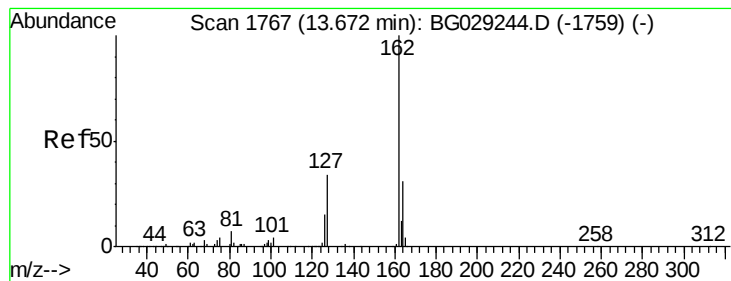
Tgt Ion:196 Resp: 16169
 Ion Ratio Lower Upper
 196 100
 198 91.6 75.8 113.6
 200 31.5 24.1 36.1



#40
 1,1'-Biphenyl
 Concen: 6.17 ng/ul
 RT: 13.63 min Scan# 1734
 Delta R.T. 0.00 min
 Lab File: BG029190.D
 Acq: 13 Oct 2017 11:18

Tgt Ion:154 Resp: 68210
 Ion Ratio Lower Upper
 154 100
 153 43.8 34.6 52.0
 76 13.9 10.6 15.8





#41

2-Chloronaphthalene

Concen: 5.94 ng/ul

RT: 13.67 min Scan# 1741

Delta R.T. -0.00 min

Lab File: BG029190.D

Acq: 13 Oct 2017 11:18

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:162 Resp: 50434

Ion Ratio Lower Upper

162 100

164 29.3 25.0 37.6

127 43.4 30.6 46.0