

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
 Data File : BG025114.D
 Acq On : 12 Dec 2016 14:03
 Operator : UM/SJ
 Sample : H5860-17
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA8B2

Manual Integrations
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Quant Time: Dec 13 12:37:10 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 06:23:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	79884	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	378990	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	288636	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	634304	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	784459	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	807066	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	6124	3.96	ng/uL	0.00
5) Phenol-d5	7.39	99	181831	26.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	105383	24.72	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	118141	24.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	158756	27.56	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	65663	24.47	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	78964	23.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	172210	26.76	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	164439	26.00	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	571653	28.79	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	618738	28.45	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	100174	29.36	ng/ul	0.00
57) Fluorene-d10	15.85	176	541520	28.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.96	200	109497	27.92	ng/ul	0.00
70) Anthracene-d10	17.70	188	919391	34.34	ng/ul	0.00
76) Pyrene-d10	19.98	212	1133928	35.09	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	1197767	36.63	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	7.37	77	162886	31.40	ng/ul#	84
10) 2-Chlorophenol	7.79	128	22284	4.60	ng/ul	96
23) 2-Nitrophenol	10.18	139	105212	31.00	ng/ul	89
28) Naphthalene	11.12	128	122466	6.95	ng/ul	98
31) Hexachlorobutadiene	11.38	225	78424	14.60	ng/ul	93
33) 4-Chloro-3-methylphenol	12.33	107	118450	15.38	ng/ul	96
36) 1,2,4,5-Tetrachlorobenzene	13.07	216	61140	7.03	ng/ul#	86
38) 2,4,6-Trichlorophenol	13.30	196	92041	16.84	ng/ul	89
40) 1,1'-Biphenyl	13.70	154	369407	21.11	ng/ul	99
44) Dimethylphthalate	14.30	163	505568	25.91	ng/ul	97
45) 2,6-Dinitrotoluene	14.44	165	62830	14.99	ng/ul#	96
52) 4-Nitrophenol	15.07	109	161864	39.44	ng/ul	94
53) Dibenzofuran	15.25	168	216615	9.46	ng/ul	96
63) 4,6-Dinitro-2-methylphenol	15.98	198	82962	20.42	ng/ul#	96
66) Hexachlorobenzene	16.90	284	75630	9.38	ng/ul	97
68) Pentachlorophenol	17.24	266	91610	18.91	ng/ul#	87
69) Phenanthrene	17.64	178	795527	26.28	ng/ul	99
71) Anthracene	17.74	178	357233	11.48	ng/ul	98
73) Di-n-butylphthalate	18.53	149	561523	17.13	ng/ul	98
74) Fluoranthene	19.64	202	852203	23.69	ng/ul	98
77) Pyrene	20.01	202	885992	23.49	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.73	149	491438	24.18	ng/ul	97
82) Chrysene	21.94	228	754180	19.78	ng/ul	100

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	25.15	252	697660	18.13	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	29.25	276	998994m	20.89	ng/ul	
90) Dibenzo(a,h)anthracene	29.31	278	566209m	14.05	ng/ul	
91) Benzo(g,h,i)perylene	30.47	276	119199m	2.99	ng/ul	

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

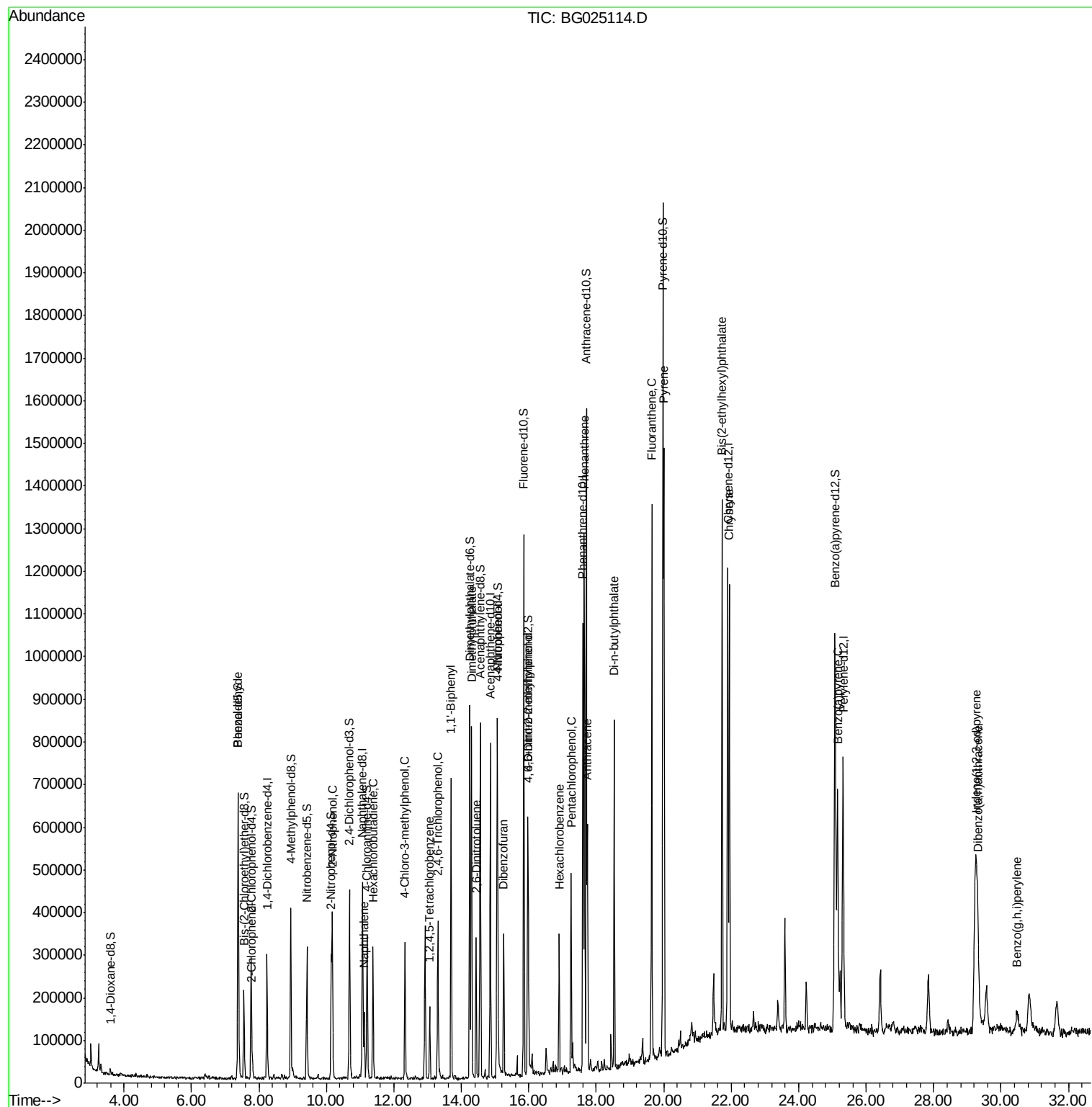
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
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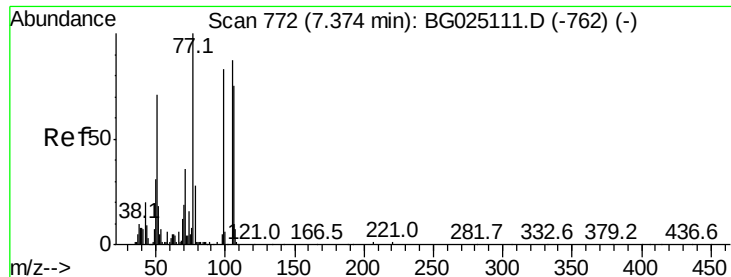
Instrument :
BNA_G
ClientSampled :
DA8B2

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 31.40 ng/ul

RT: 7.37 min Scan# 772

Delta R.T. 0.00 min

Lab File: BG025114.D

Acq: 12 Dec 2016 14:03

Instrument :

BNA_G

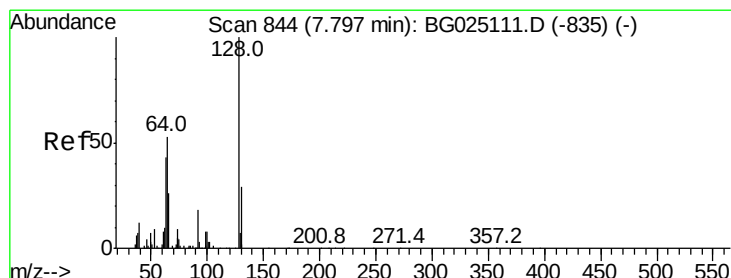
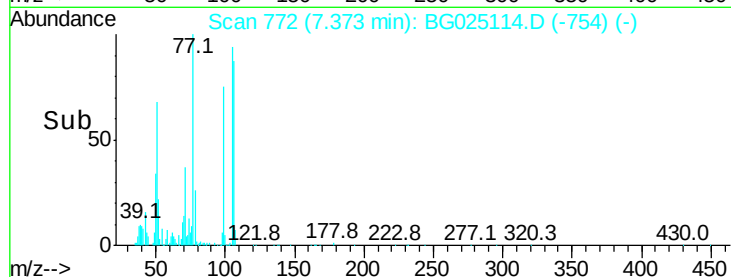
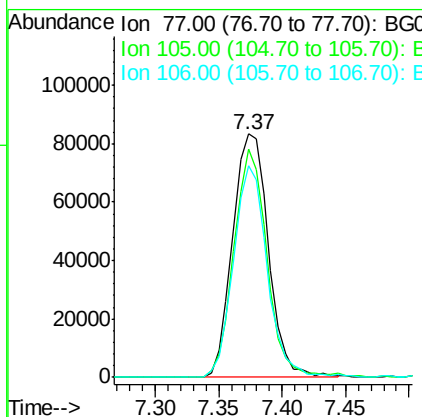
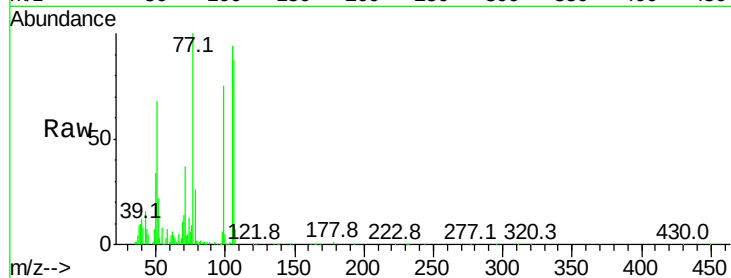
ClientSampled :

DA8B2

Tot Ion:	77	Resp:	162886
Ion Ratio	Lower	Upper	
77	100		
105	93.5	62.0	93.0#
106	87.1	60.2	90.4

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#10

2-Chlorophenol

Concen: 4.60 ng/ul

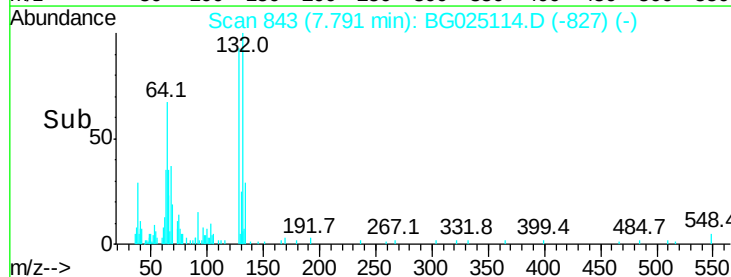
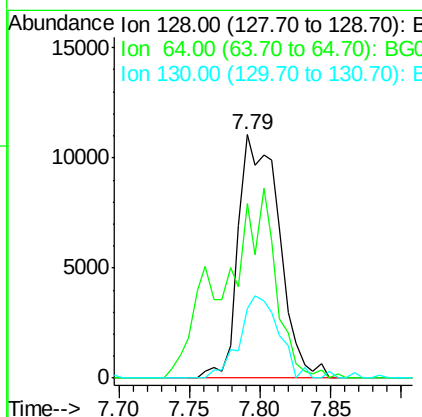
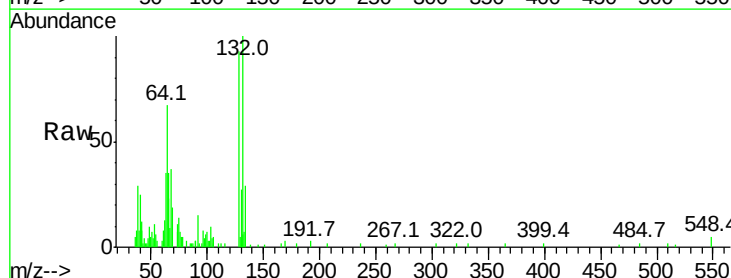
RT: 7.79 min Scan# 843

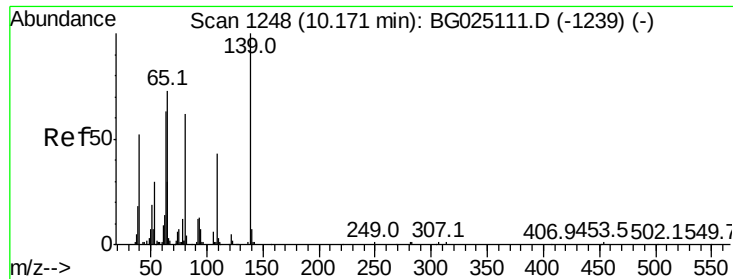
Delta R.T. -0.01 min

Lab File: BG025114.D

Acq: 12 Dec 2016 14:03

Tgt Ion:	128	Resp:	22284
Ion Ratio	Lower	Upper	
128	100		
64	71.8	56.3	84.5
130	28.7	26.7	40.1





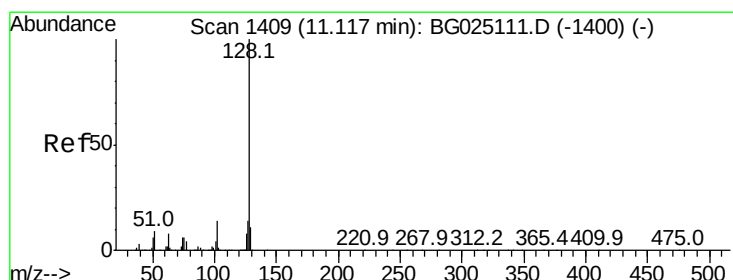
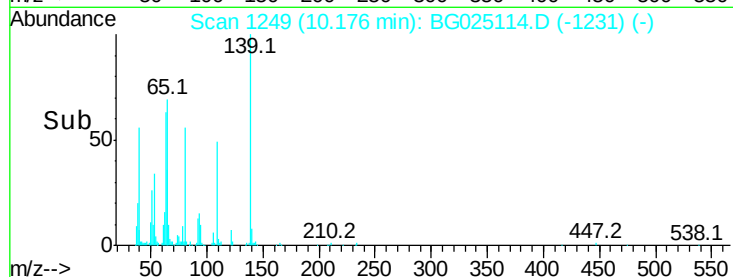
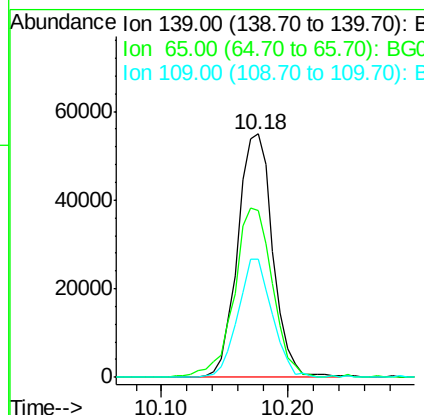
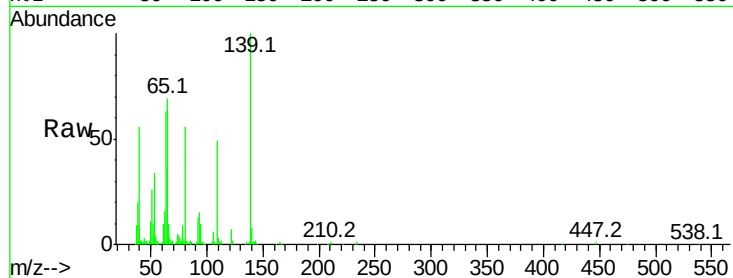
#23
2-Nitrophenol
Concen: 31.00 ng/ul
RT: 10.18 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tot Ion	Ratio	Resp Lower	Upper
139	100		
65	68.6	67.0	100.6
109	48.7	39.6	59.4

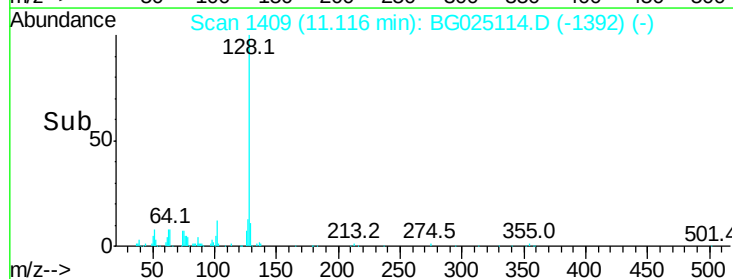
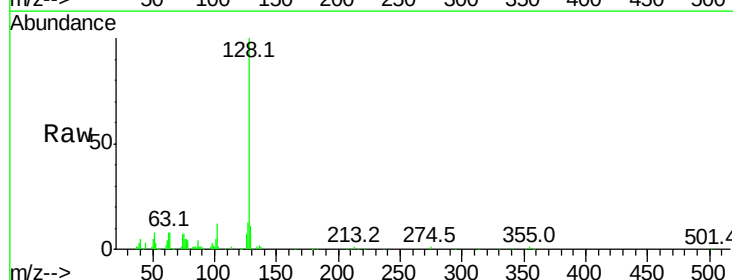
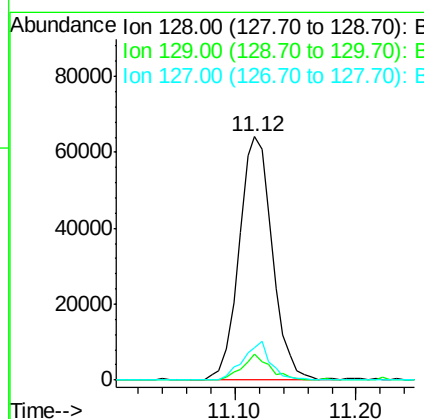
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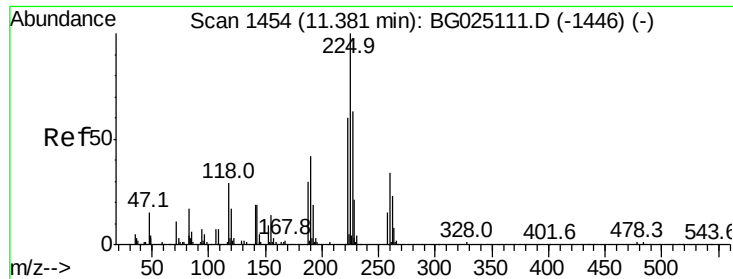
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#28
Naphthalene
Concen: 6.95 ng/ul
RT: 11.12 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	10.6	9.4	14.2
127	13.3	10.3	15.5





#31

Hexachlorobutadiene

Concen: 14.60 ng/ul

RT: 11.38 min Scan# 1454

Delta R.T. 0.00 min

Lab File: BG025114.D

Acq: 12 Dec 2016 14:03

Instrument :

BNA_G

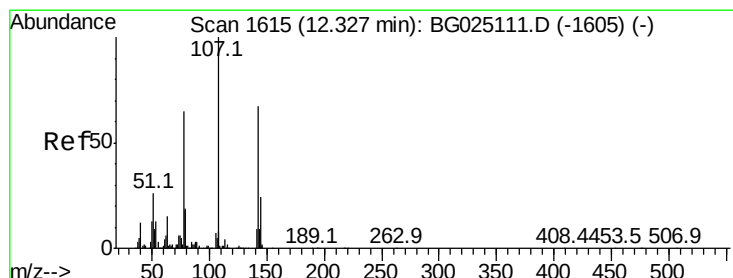
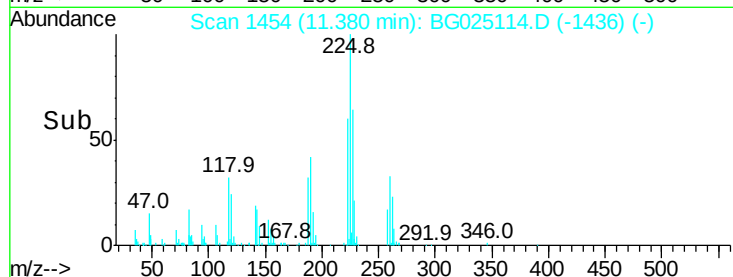
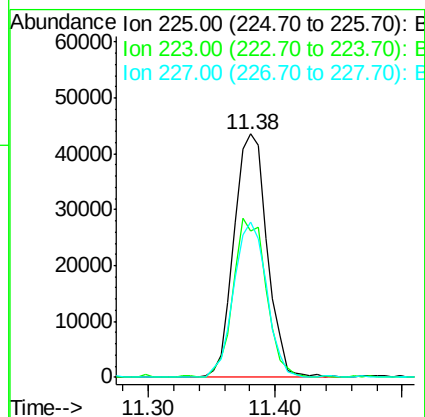
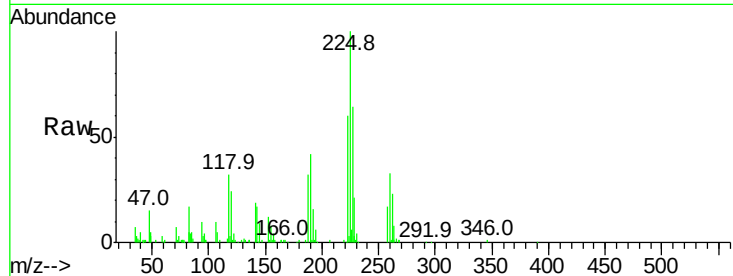
ClientSampleId :

DA8B2

Tot Ion:	225	Resp:	78424
Ion Ratio	Lower	Upper	
225	100		
223	59.9	45.9	68.9
227	63.8	44.7	67.1

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#33

4-Chloro-3-methylphenol

Concen: 15.38 ng/ul

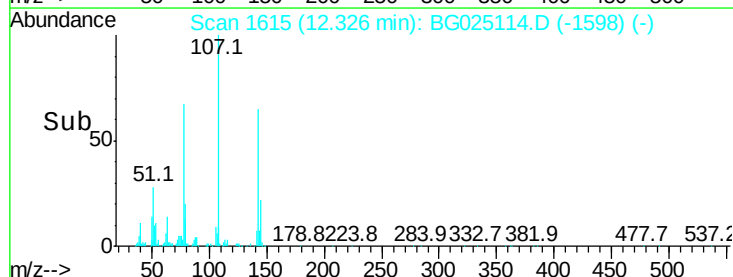
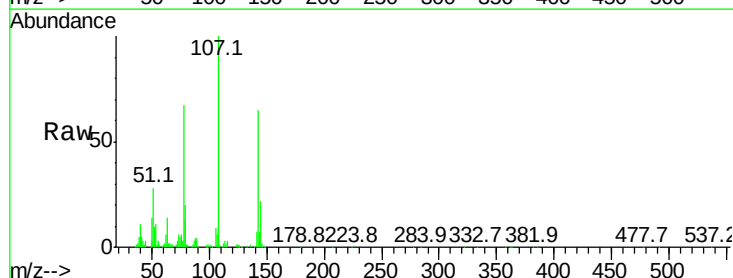
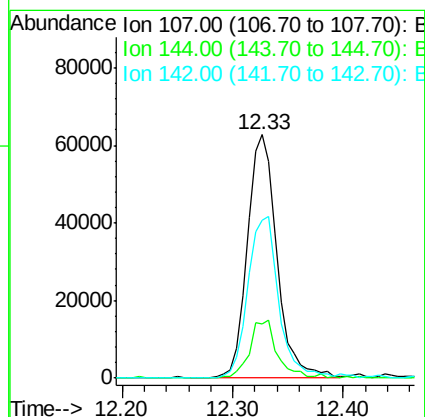
RT: 12.33 min Scan# 1615

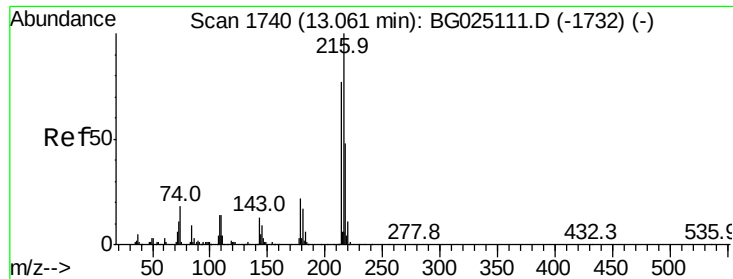
Delta R.T. -0.00 min

Lab File: BG025114.D

Acq: 12 Dec 2016 14:03

Tgt Ion:	107	Resp:	118450
Ion Ratio	Lower	Upper	
107	100		
144	22.3	18.2	27.4
142	64.9	55.0	82.4





#36

1,2,4,5-Tetrachlorobenzene

Concen: 7.03 ng/ul

RT: 13.07 min Scan# 1741

Delta R.T. 0.00 min

Lab File: BG025114.D

Acq: 12 Dec 2016 14:03

Instrument :

BNA_G

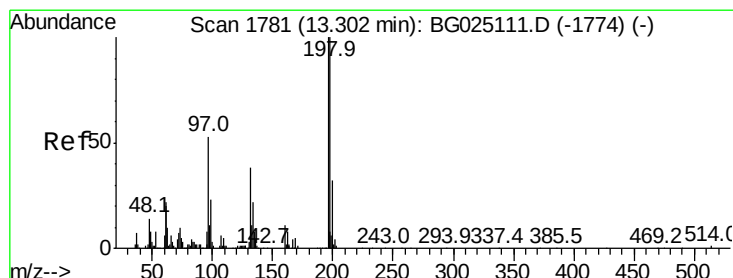
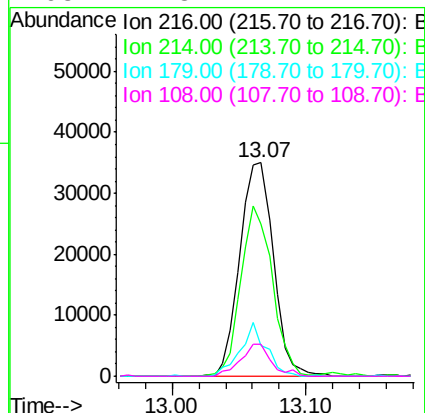
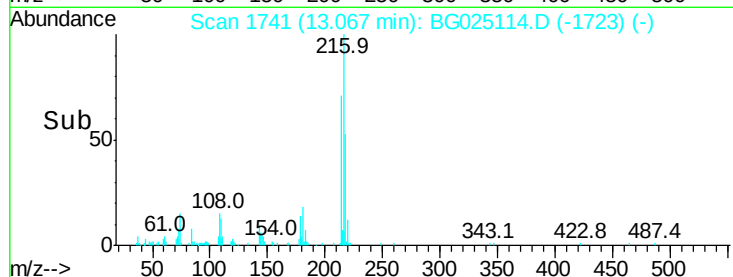
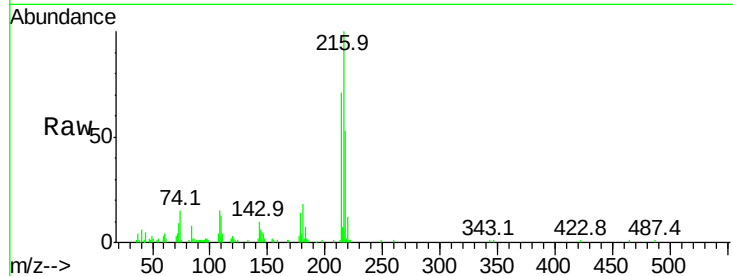
ClientSampled :

DA8B2

Tot Ion:	216	Resp:	61140
Ion Ratio	Lower	Upper	
216	100		
214	71.0	67.0	100.6
179	14.3	18.1	27.1#
108	14.8	14.1	21.1

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#38

2,4,6-Trichlorophenol

Concen: 16.84 ng/ul

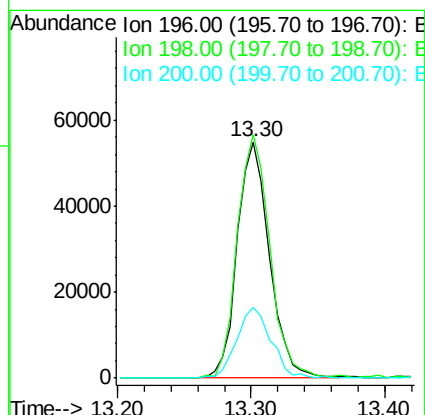
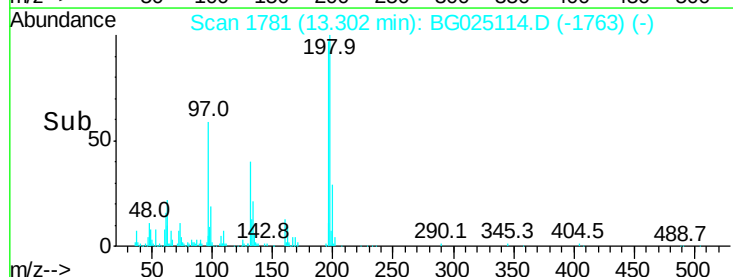
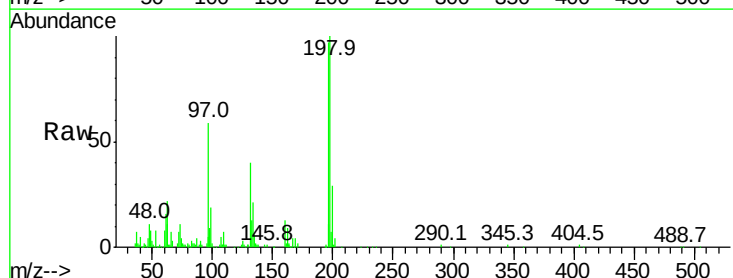
RT: 13.30 min Scan# 1781

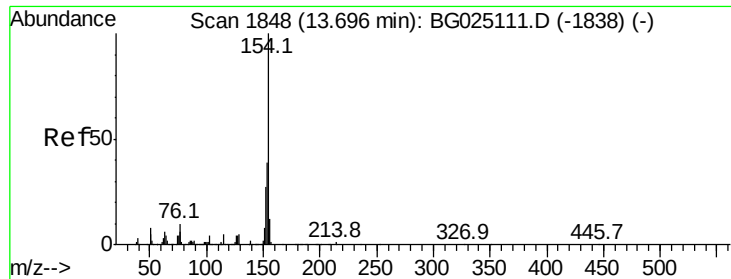
Delta R.T. 0.00 min

Lab File: BG025114.D

Acq: 12 Dec 2016 14:03

Tgt Ion:	196	Resp:	92041
Ion Ratio	Lower	Upper	
196	100		
198	103.2	71.4	107.2
200	30.0	24.6	37.0





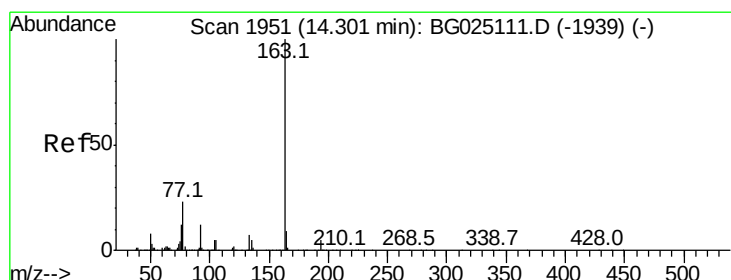
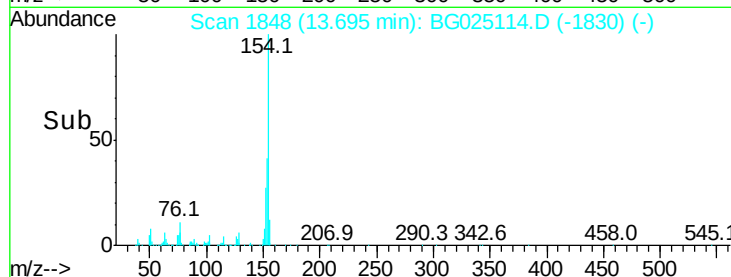
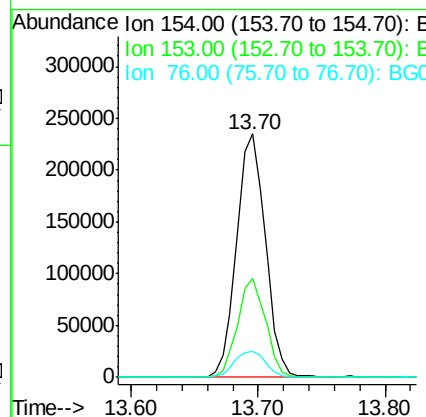
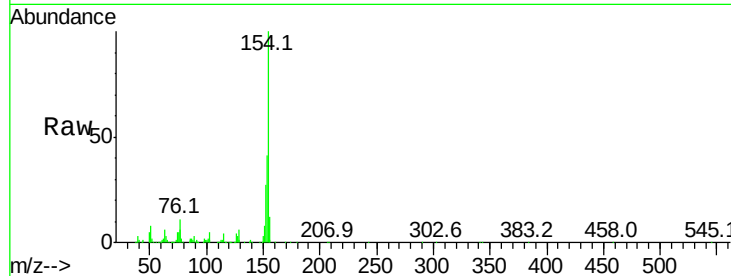
#40
1,1'-Biphenyl
Concen: 21.11 ng/ul
RT: 13.70 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampleId :
DA8B2

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.6	32.2	48.2
76	10.7	9.6	14.4

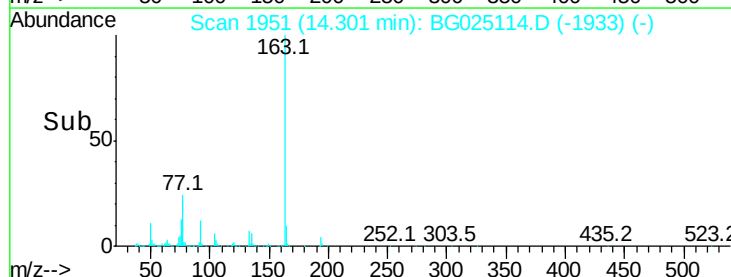
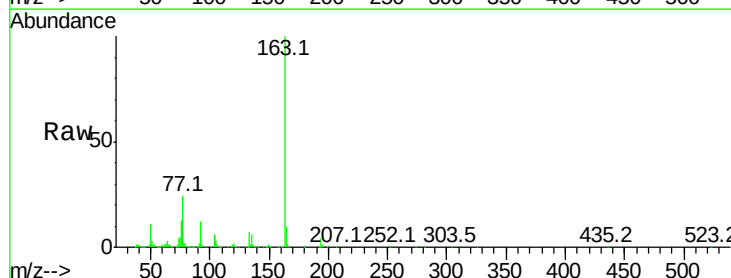
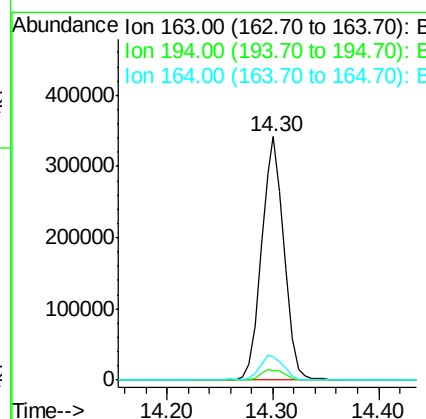
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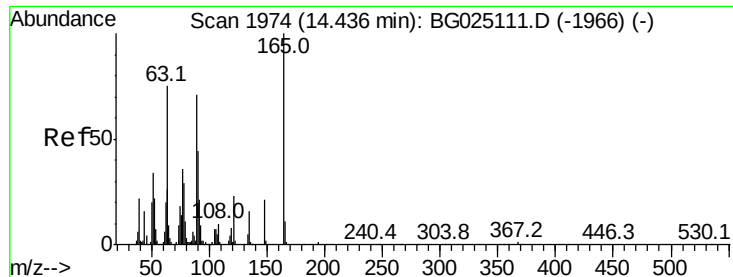
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#44
Dimethylphthalate
Concen: 25.91 ng/ul
RT: 14.30 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	9.6	9.0	13.4





#45

2,6-Dinitrotoluene

Concen: 14.99 ng/ul

RT: 14.44 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BG025114.D

Acq: 12 Dec 2016 14:03

Instrument :

BNA_G

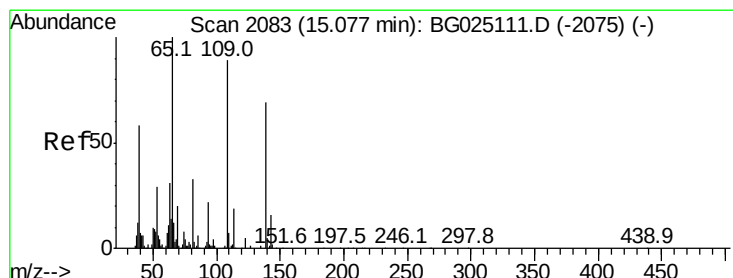
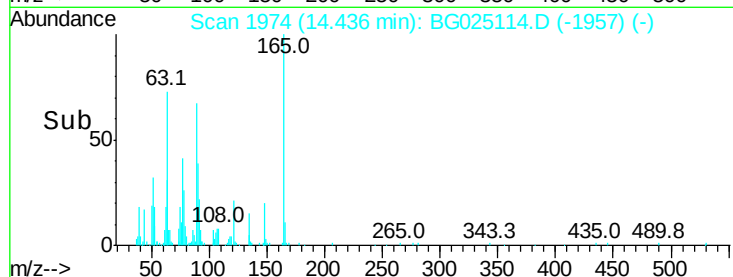
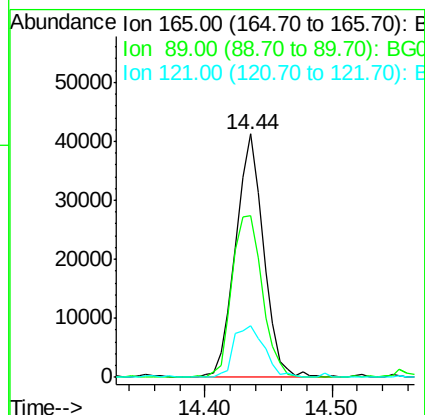
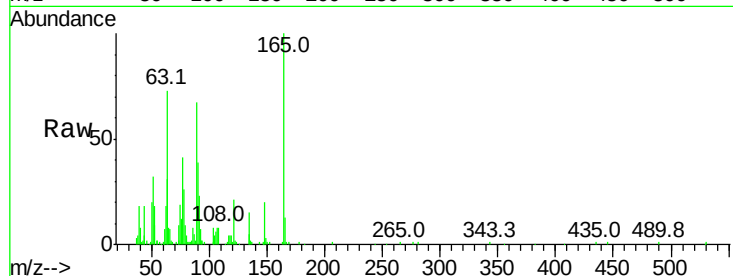
ClientSampled :

DA8B2

Tot Ion:	165	Resp:	62830
Ion Ratio	Lower	Upper	
165	100		
89	66.6	52.9	79.3
121	21.1	22.2	33.4#

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#52

4-Nitrophenol

Concen: 39.44 ng/ul

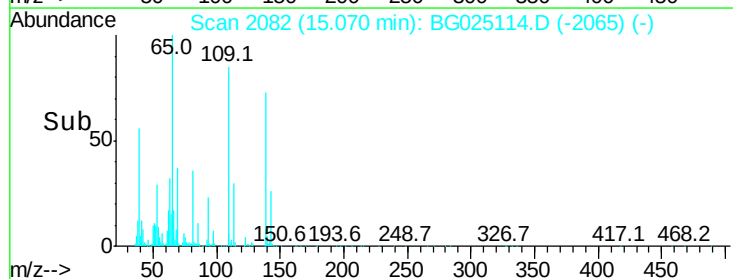
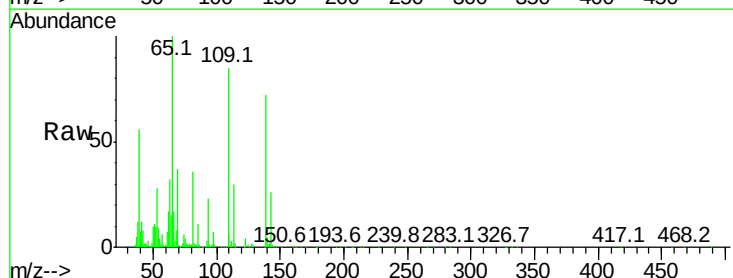
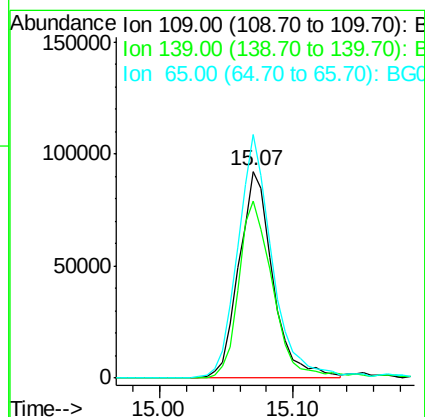
RT: 15.07 min Scan# 2082

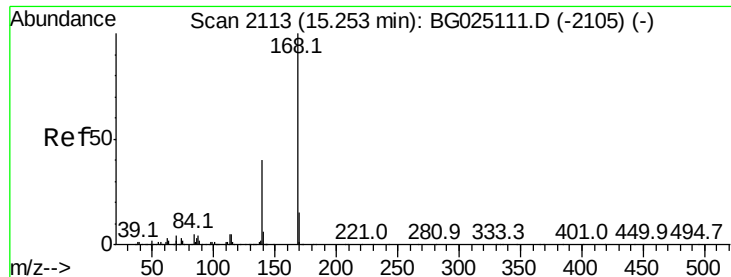
Delta R.T. -0.00 min

Lab File: BG025114.D

Acq: 12 Dec 2016 14:03

Tgt Ion:	109	Resp:	161864
Ion Ratio	Lower	Upper	
109	100		
139	85.3	62.6	93.8
65	117.7	90.4	135.6





#53

Dibenzenofuran

Concen: 9.46 ng/ul

RT: 15.25 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BG025114.D

Acq: 12 Dec 2016 14:03

Instrument :

BNA_G

ClientSampled :

DA8B2

Tot Ion:168 Resp: 216615

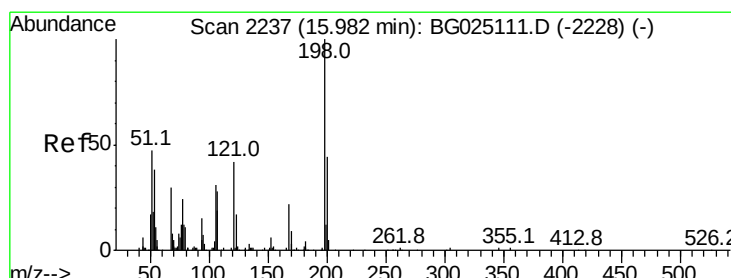
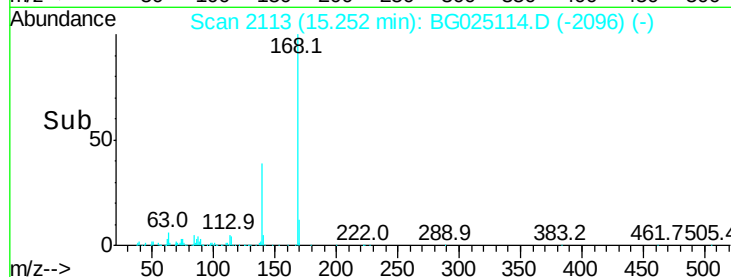
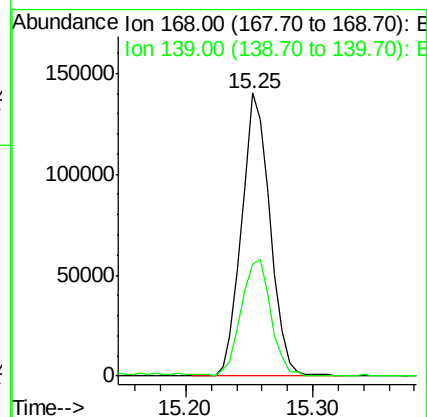
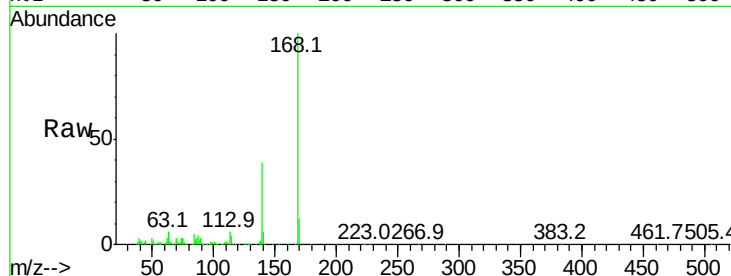
Ion Ratio Lower Upper

168 100

139 39.4 33.8 50.8

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#63

4,6-Dinitro-2-methylphenol

Concen: 20.42 ng/ul

RT: 15.98 min Scan# 2237

Delta R.T. -0.00 min

Lab File: BG025114.D

Acq: 12 Dec 2016 14:03

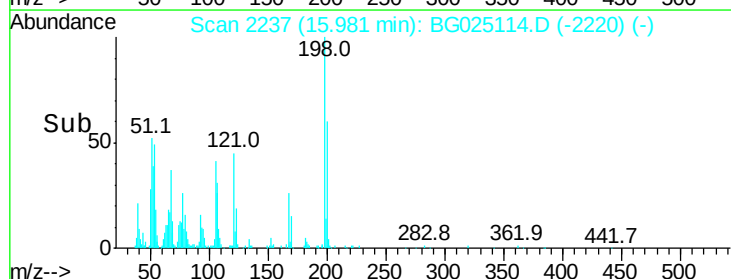
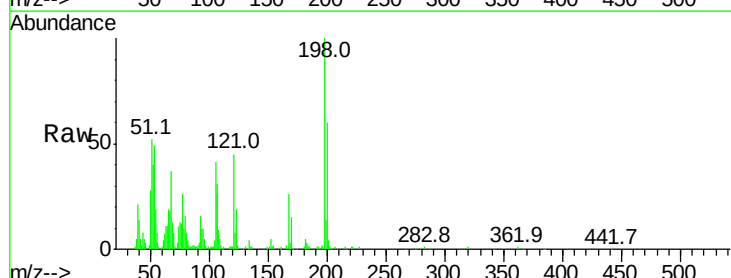
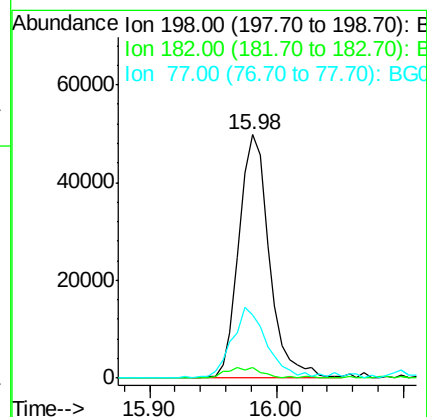
Tgt Ion:198 Resp: 82962

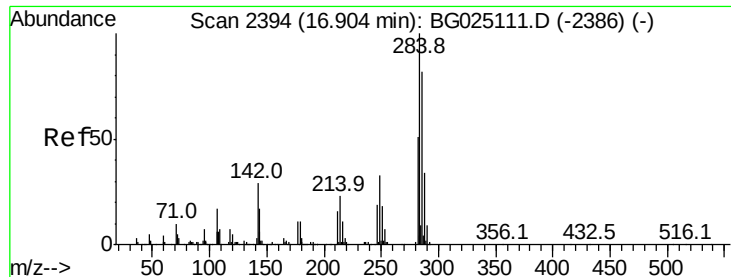
Ion Ratio Lower Upper

198 100

182 4.6 5.8 6.4#

77 25.8 22.1 33.9





#66

Hexachlorobenzene

Concen: 9.38 ng/ul

RT: 16.90 min Scan# 2394

Delta R.T. 0.00 min

Lab File: BG025114.D

Acq: 12 Dec 2016 14:03

Instrument :

BNA_G

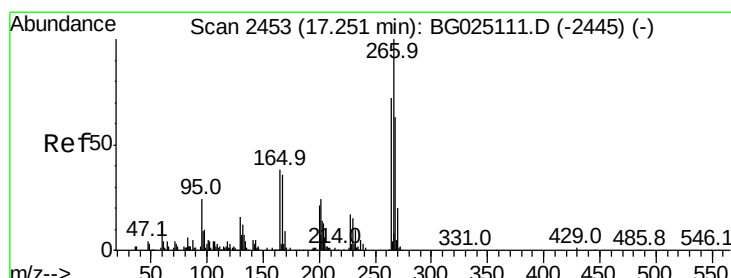
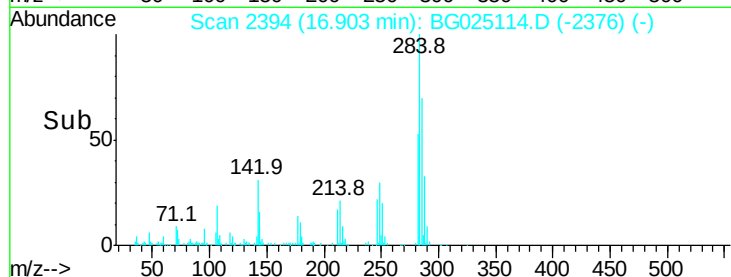
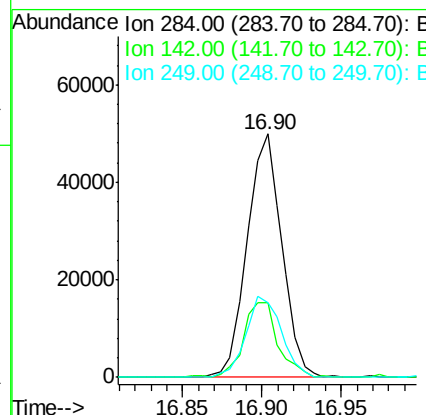
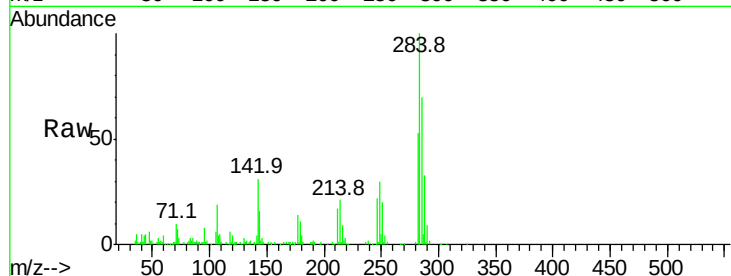
ClientSampleId :

DA8B2

Tot Ion:	284	Resp:	75630
Ion Ratio	Lower	Upper	
284	100		
142	30.6	26.1	39.1
249	30.5	25.9	38.9

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#68

Pentachlorophenol

Concen: 18.91 ng/ul

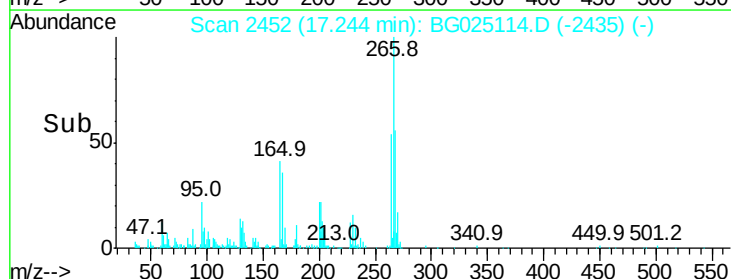
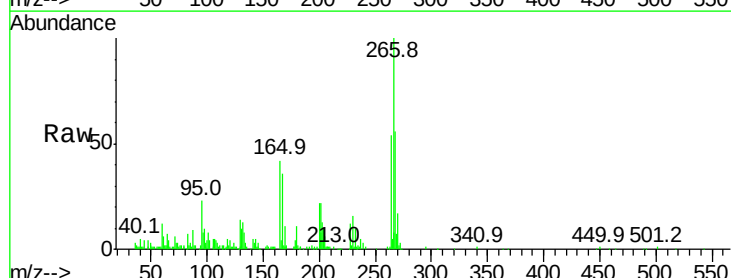
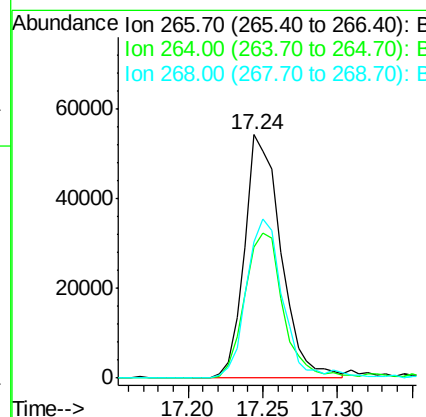
RT: 17.24 min Scan# 2452

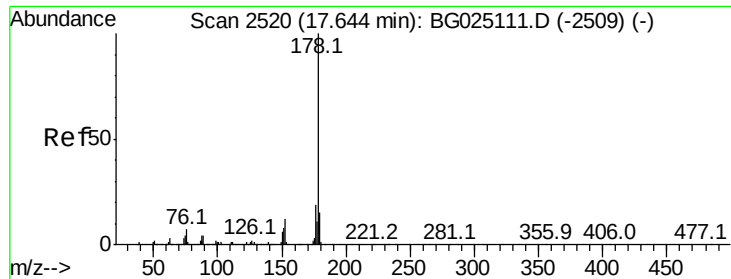
Delta R.T. -0.00 min

Lab File: BG025114.D

Acq: 12 Dec 2016 14:03

Tgt Ion:	266	Resp:	91610
Ion Ratio	Lower	Upper	
266	100		
264	54.0	47.1	70.7
268	55.6	56.2	84.4#





#69

Phenanthrene

Concen: 26.28 ng/ul

RT: 17.64 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BG025114.D

Acq: 12 Dec 2016 14:03

Instrument :

BNA_G

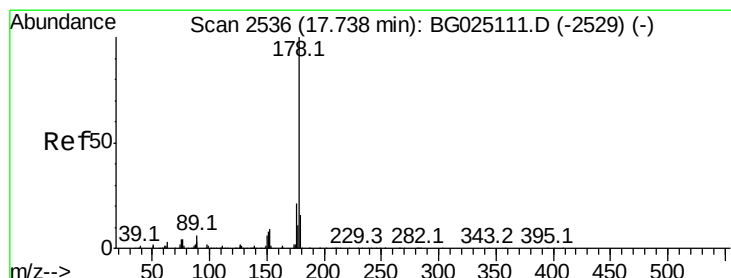
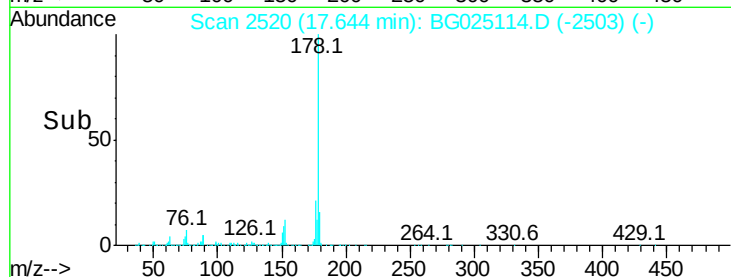
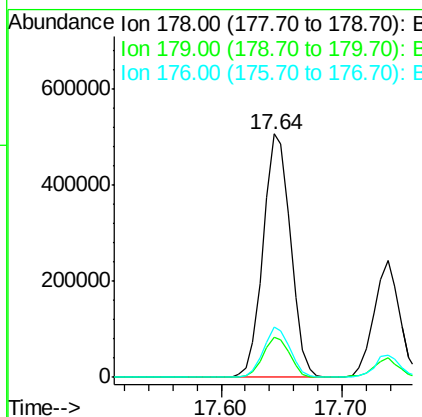
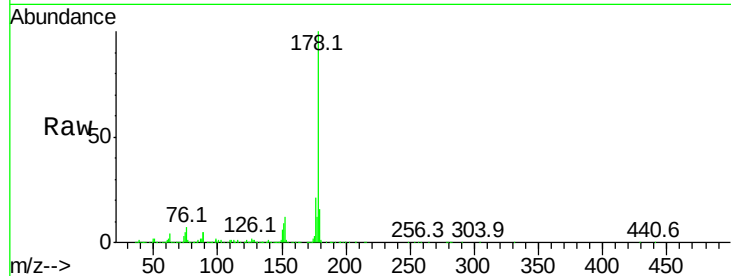
ClientSampleId :

DA8B2

Tot Ion:	178	Resp:	795527
Ion Ratio	Lower	Upper	
178	100		
179	16.5	12.4	18.6
176	20.7	16.5	24.7

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#71

Anthracene

Concen: 11.48 ng/ul

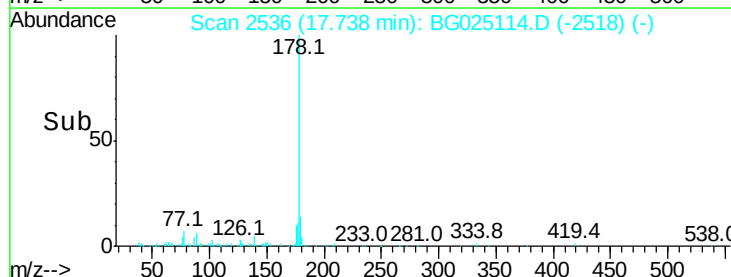
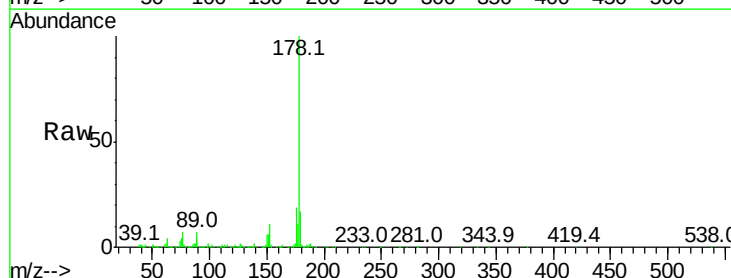
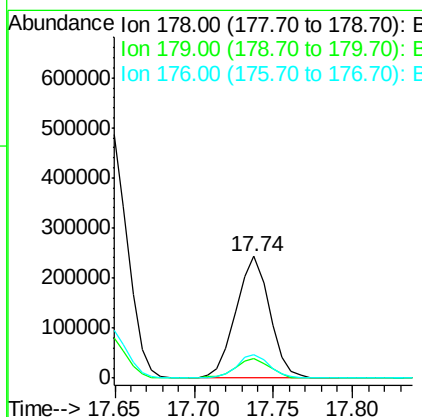
RT: 17.74 min Scan# 2536

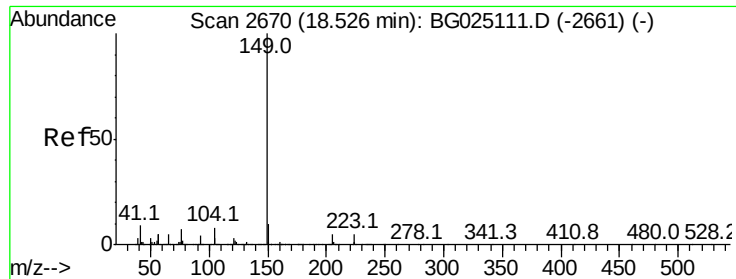
Delta R.T. 0.00 min

Lab File: BG025114.D

Acq: 12 Dec 2016 14:03

Tgt Ion:	178	Resp:	357233
Ion Ratio	Lower	Upper	
178	100		
179	16.6	12.6	19.0
176	18.8	15.9	23.9





#73

Di-n-butylphthalate

Concen: 17.13 ng/ul

RT: 18.53 min Scan# 2670

Delta R.T. -0.00 min

Lab File: BG025114.D

Acq: 12 Dec 2016 14:03

Instrument :

BNA_G

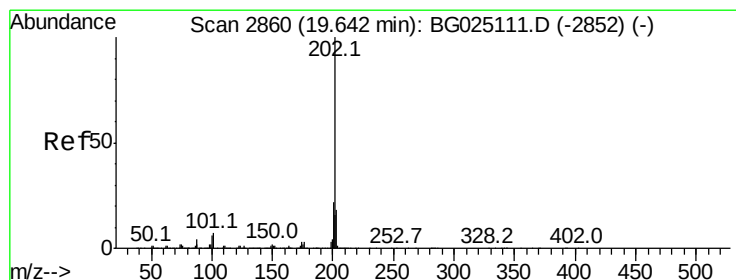
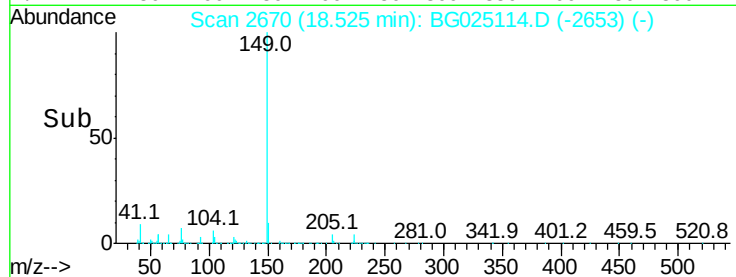
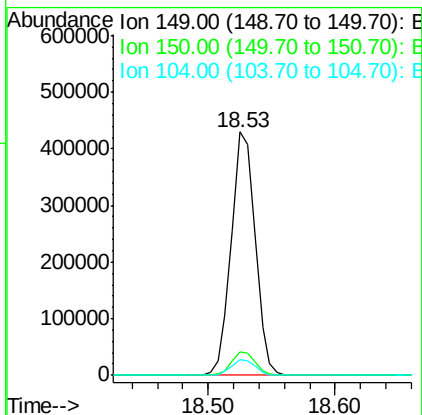
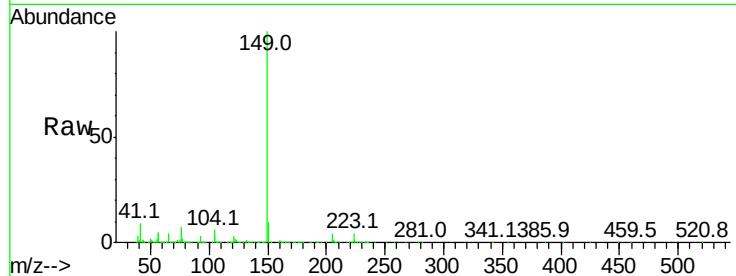
ClientSampled :

DA8B2

Tot Ion:	149	Resp:	561523
Ion Ratio	Lower	Upper	
149	100		
150	9.6	7.9	11.9
104	6.4	5.8	8.8

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#74

Fluoranthene

Concen: 23.69 ng/ul

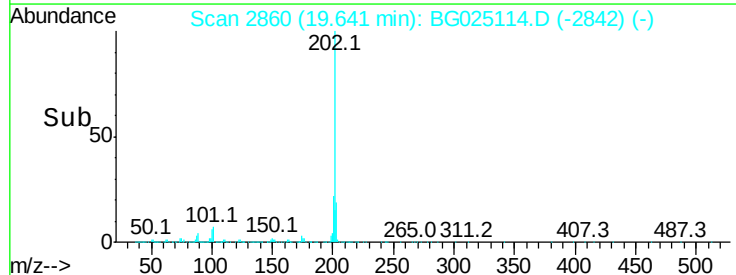
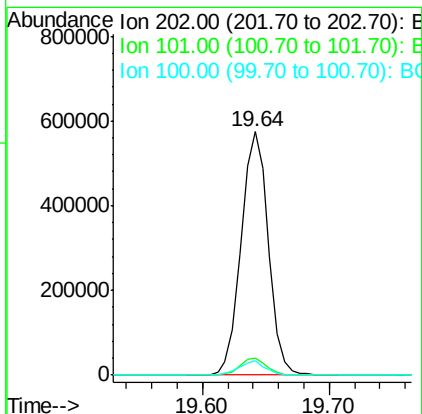
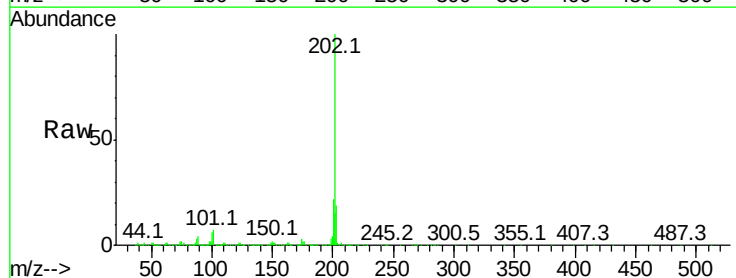
RT: 19.64 min Scan# 2860

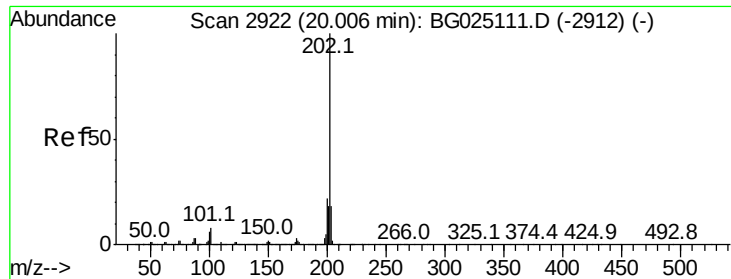
Delta R.T. 0.00 min

Lab File: BG025114.D

Acq: 12 Dec 2016 14:03

Tgt Ion:	202	Resp:	852203
Ion Ratio	Lower	Upper	
202	100		
101	7.1	6.2	9.2
100	5.9	5.2	7.8





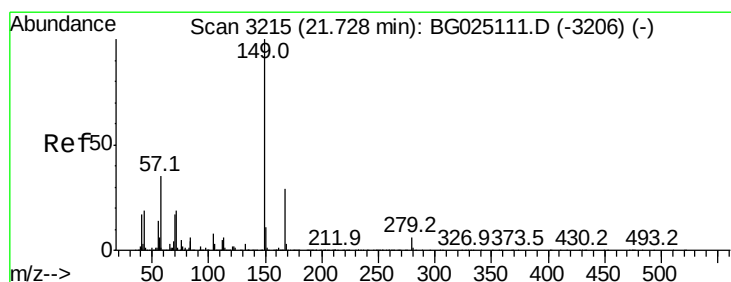
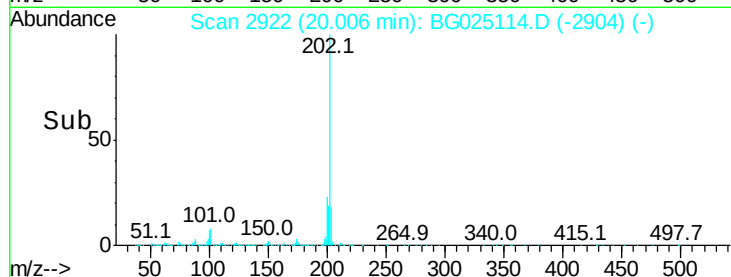
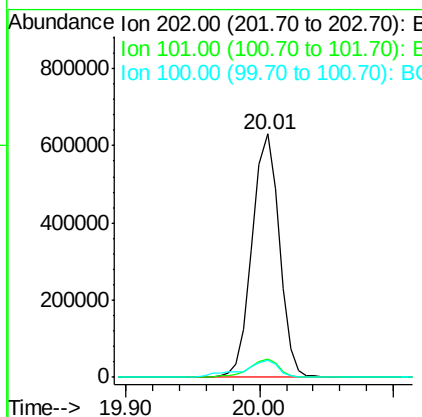
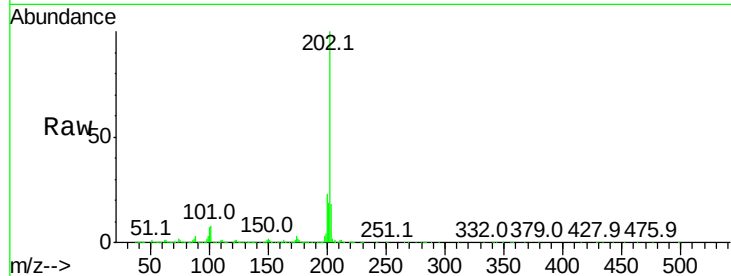
#77
 Pvrene
 Concen: 23.49 ng/ul
 RT: 20.01 min Scan# 2922
 Delta R.T. 0.00 min
 Lab File: BG025114.D
 Acq: 12 Dec 2016 14:03

Instrument :
 BNA_G
 ClientSampleId :
 DA8B2

Tot Ion:	202	Resp:	885992
Ion Ratio	Lower	Upper	
202	100		
101	7.7	6.9	10.3
100	6.7	6.6	10.0

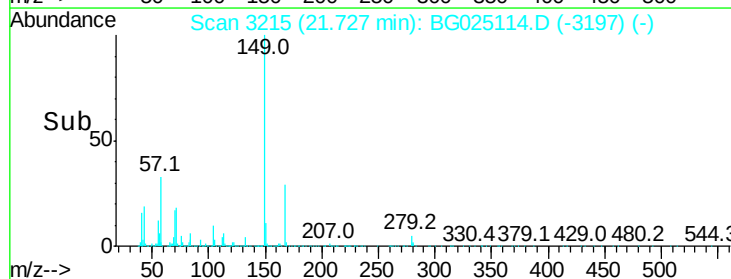
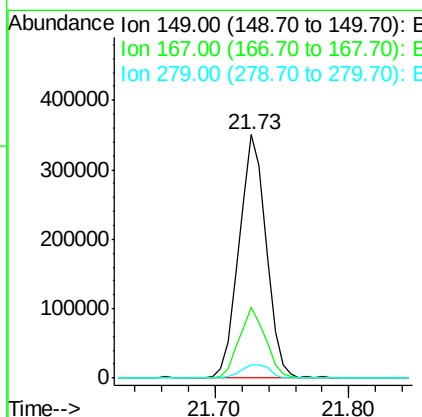
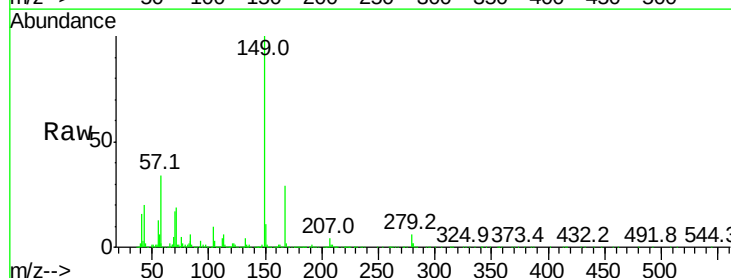
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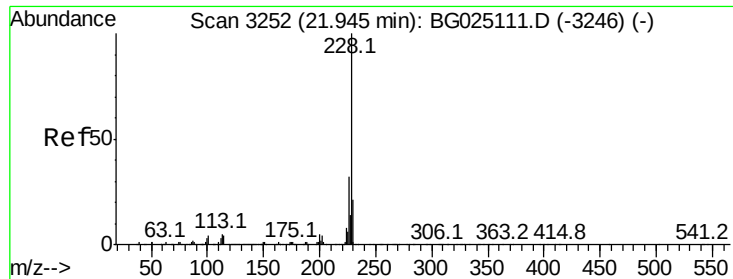
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#81
 Bis(2-ethylhexyl)phthalate
 Concen: 24.18 ng/ul
 RT: 21.73 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: BG025114.D
 Acq: 12 Dec 2016 14:03

Tgt Ion:	149	Resp:	491438
Ion Ratio	Lower	Upper	
149	100		
167	28.9	21.8	32.8
279	5.5	4.5	6.7





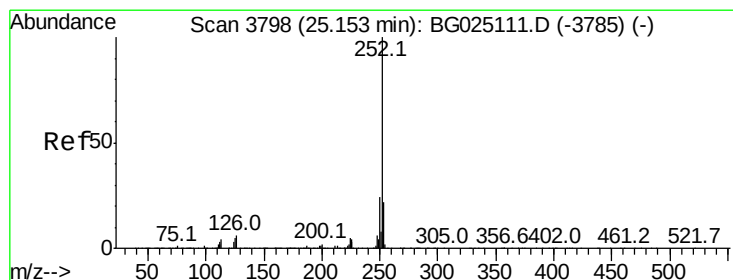
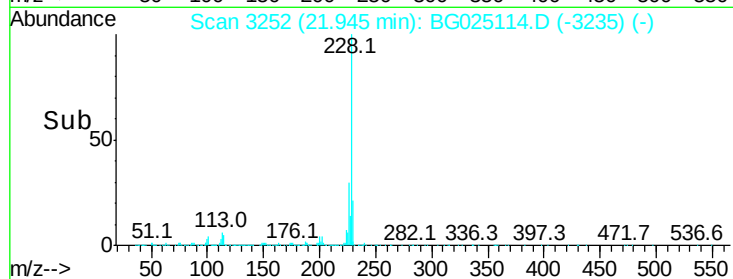
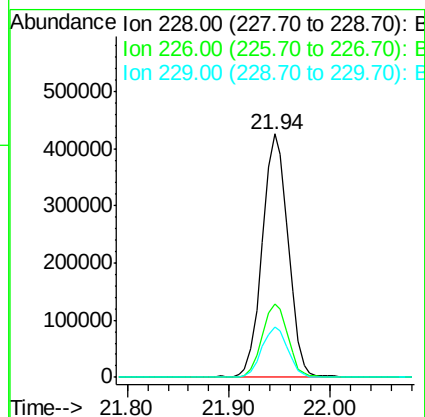
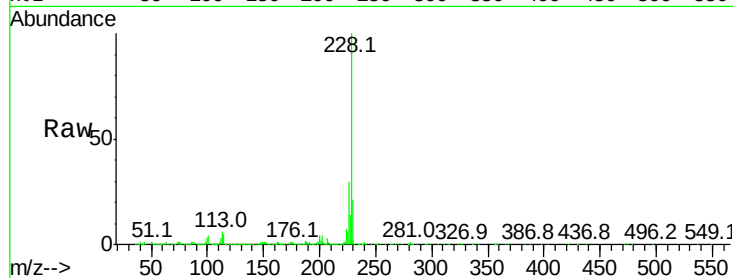
#82
Chrysene
Concen: 19.78 ng/ul
RT: 21.94 min Scan# 3252
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Instrument :
BNA_G
ClientSampled :
DA8B2

Tot Ion:228	Resp:	754180
Ion Ratio	Lower	Upper
228 100		
226 29.9	24.0	36.0
229 20.7	16.9	25.3

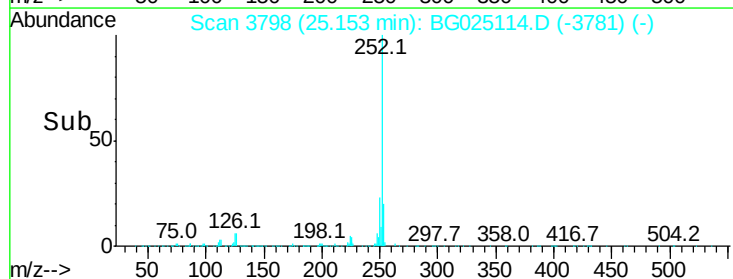
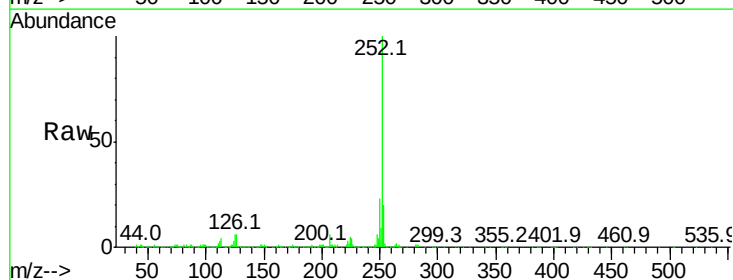
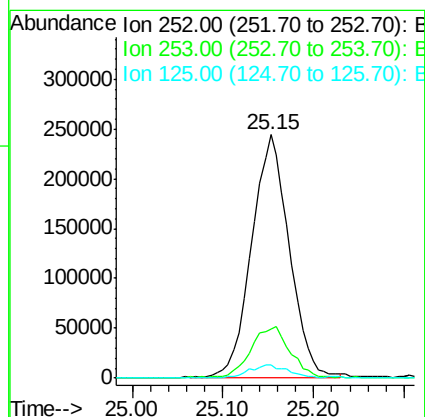
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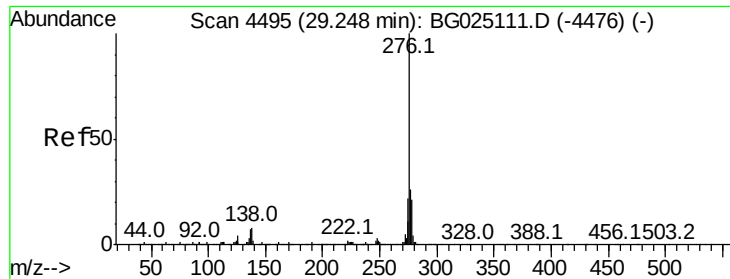
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#88
Benzo(a)pyrene
Concen: 18.13 ng/ul
RT: 25.15 min Scan# 3798
Delta R.T. -0.00 min
Lab File: BG025114.D
Acq: 12 Dec 2016 14:03

Tgt Ion:252	Resp:	697660
Ion Ratio	Lower	Upper
252 100		
253 20.0	17.8	26.6
125 5.7	5.4	8.0





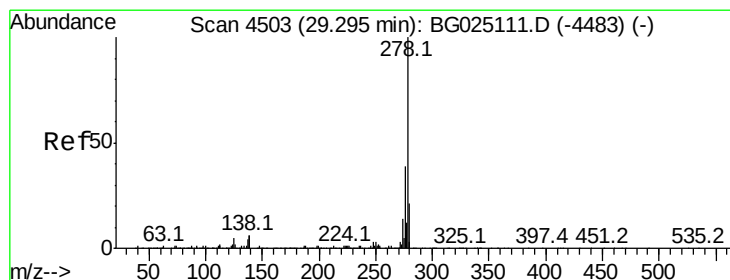
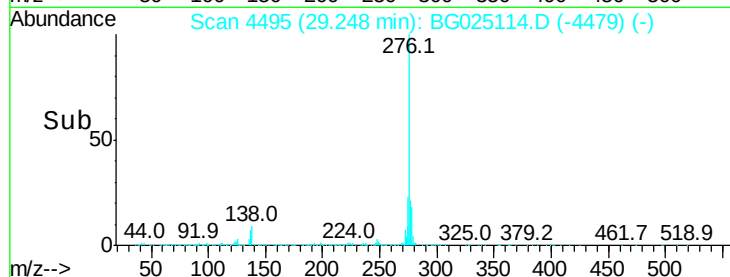
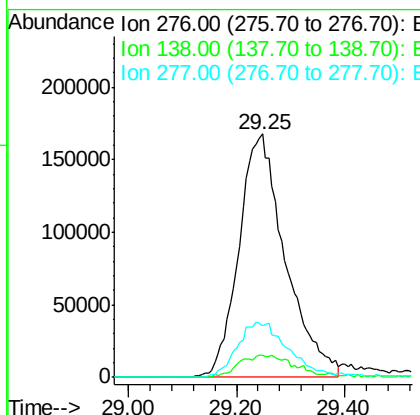
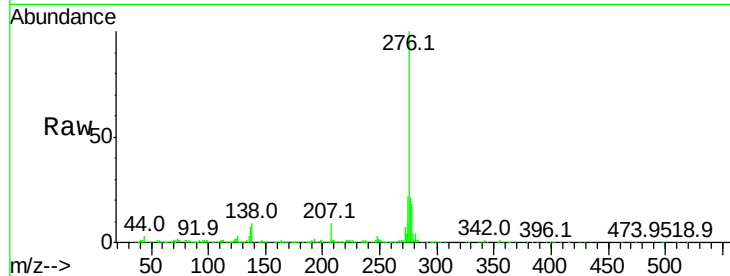
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 20.89 ng/ul m
 RT: 29.25 min Scan# 4495
 Delta R.T. -0.01 min
 Lab File: BG025114.D
 Acq: 12 Dec 2016 14:03

Instrument :
 BNA_G
 ClientSampleId :
 DA8B2

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.2	8.2	12.4
277	21.4	18.6	28.0

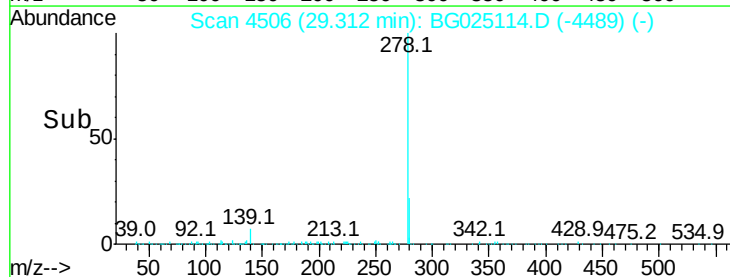
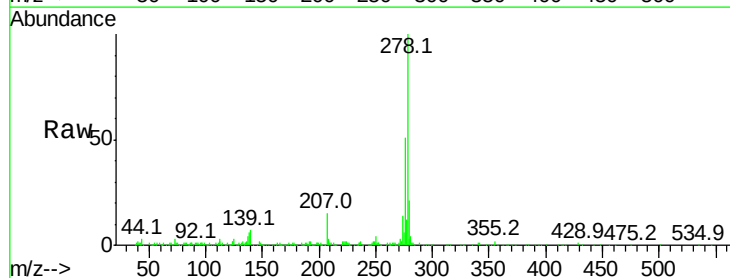
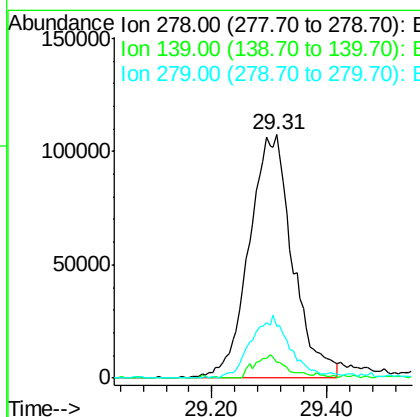
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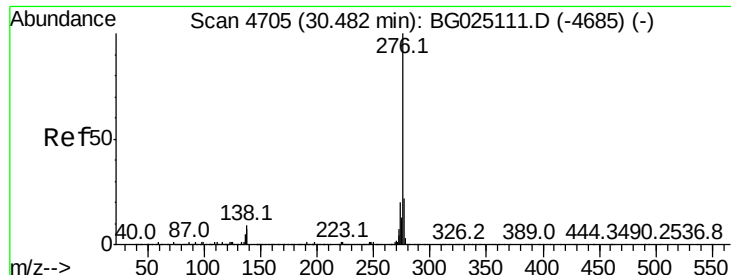
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#90
 Dibenzo(a,h)anthracene
 Concen: 14.05 ng/ul m
 RT: 29.31 min Scan# 4506
 Delta R.T. -0.00 min
 Lab File: BG025114.D
 Acq: 12 Dec 2016 14:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	6.5	6.7	10.1#
279	21.2	20.9	31.3





#91
 Benzo(a,h,i)perylene
 Concen: 2.99 ng/ul m
 RT: 30.47 min Scan# 4703
 Delta R.T. -0.02 min
 Lab File: BG025114.D
 Acq: 12 Dec 2016 14:03

Instrument :
 BNA_G
 ClientSampleId :
 DA8B2

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	8.6	8.6	12.8
277	27.1	17.6	26.4#

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