

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121616\
 Data File : BG025252.D
 Acq On : 16 Dec 2016 23:53
 Operator : UM/SJ
 Sample : H6040-07MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 DA8W1MS

Manual Integrations
 APPROVED

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 12/20/2016 10:48:34 AM

Quant Time: Dec 17 01:27:52 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 17 00:22:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	74995	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	301953	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	217388	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	451358	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	598651	20.00	ng/ul	0.00
83) Perylene-d12	25.34	264	622755	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	5905	4.07	ng/uL	0.00
5) Phenol-d5	7.39	99	161073	24.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.54	67	96931	24.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	119758	26.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	135623	25.08	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	60826	28.45	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	76426	28.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	144122	28.11	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	24755	4.91	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	413587	27.66	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	479983	29.30	ng/ul	0.00
51) 4-Nitrophenol-d4	15.09	143	73831	28.73	ng/ul	0.02
57) Fluorene-d10	15.84	176	377709	26.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	92781	33.25	ng/ul	0.00
70) Anthracene-d10	17.70	188	599177	31.45	ng/ul	0.00
76) Pyrene-d10	19.98	212	685782	27.81	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.10	264	746871	29.60	ng/ul	0.02

Target Compounds

						Ovalue
6) Phenol	7.42	94	203242	30.60	ng/ul	96
10) 2-Chlorophenol	7.80	128	121384	26.69	ng/ul#	82
15) N-Nitroso-di-n-propylamine	9.04	70	120001	25.25	ng/ul	90
28) Naphthalene	11.10	128	28290	2.02	ng/ul#	95
33) 4-Chloro-3-methylphenol	12.34	107	175344	28.58	ng/ul	96
34) 2-Methylnaphthalene	12.70	142	32784	2.96	ng/ul	89
44) Dimethylphthalate	14.29	163	126897	8.64	ng/ul	99
49) Acenaphthene	14.92	153	319994	29.33	ng/ul	97
52) 4-Nitrophenol	15.11	109	86230	27.90	ng/ul	98
53) Dibenzofuran	15.25	168	29609	1.72	ng/ul	97
54) 2,4-Dinitrotoluene	15.23	165	134988	28.37	ng/ul#	89
68) Pentachlorophenol	17.26	266	120757	35.03	ng/ul	93
69) Phenanthrene	17.64	178	207941	9.65	ng/ul	96
71) Anthracene	17.73	178	31396	1.42	ng/ul#	61
74) Fluoranthene	19.64	202	156083	6.10	ng/ul	98
77) Pyrene	20.01	202	1093107	37.98	ng/ul#	96
80) Benzo(a)anthracene	21.88	228	189914	6.11	ng/ul#	82
81) Bis(2-ethylhexyl)phthalate	21.73	149	44513	2.87	ng/ul#	70
82) Chrysene	21.95	228	272174	9.36	ng/ul#	84
85) Benzo(b)fluoranthene	24.24	252	191982	6.22	ng/ul#	85
86) Benzo(k)fluoranthene	24.30	252	54033	1.84	ng/ul#	74
88) Benzo(a)pyrene	25.18	252	163553	5.51	ng/ul	93
89) Indeno(1,2,3-cd)pyrene	29.29	276	113156m	3.07	ng/ul	

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QLast Update : Sat Dec 17 00:22:48 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	30.55	276	133697m	4.34	ng/ul	

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

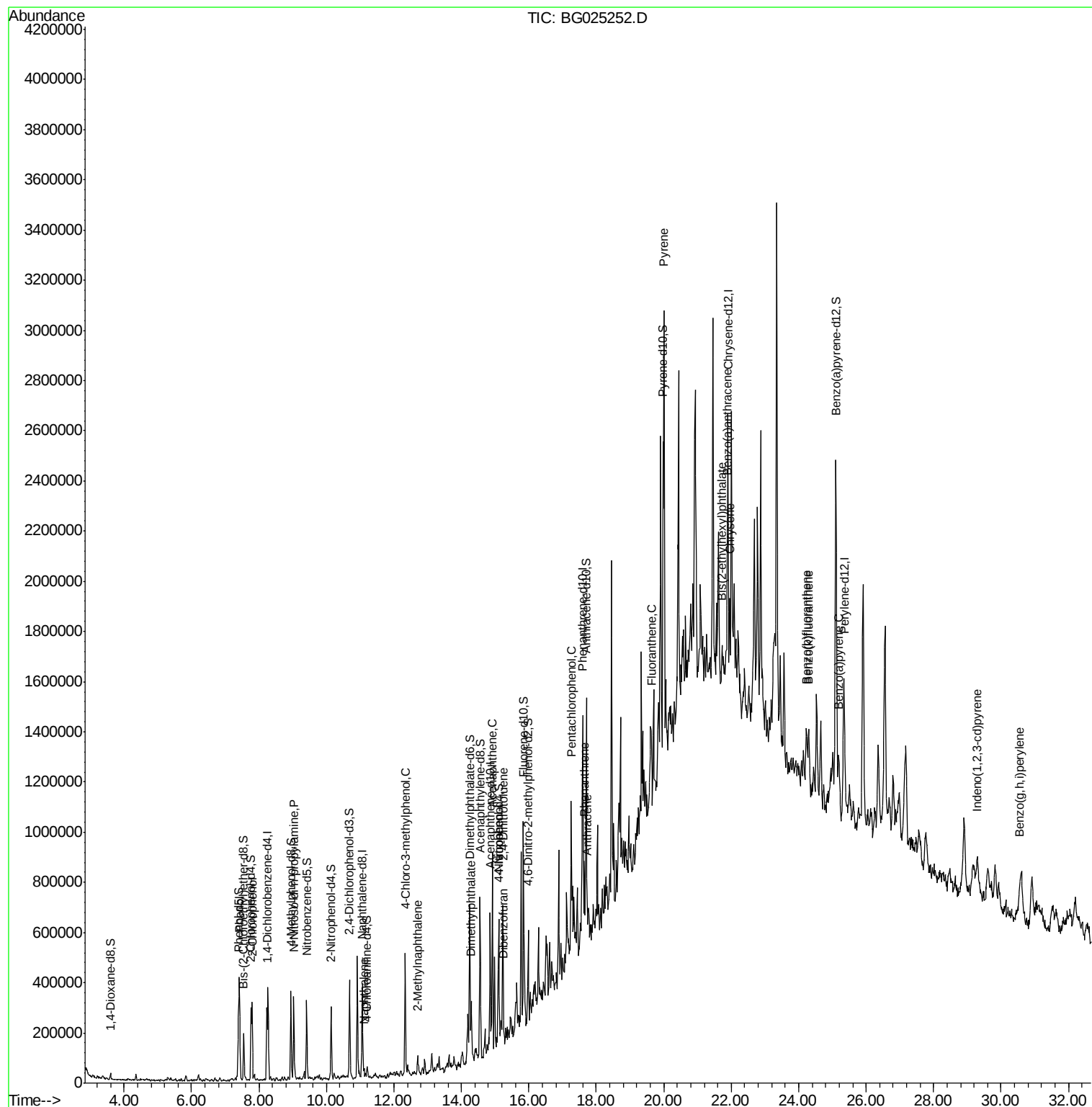
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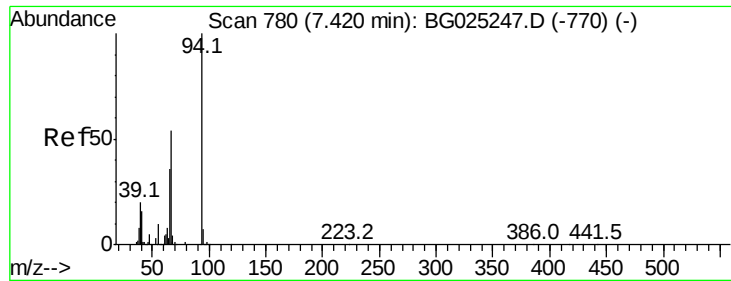
Instrument :
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#6

Phenol

Concen: 30.60 ng/ul

RT: 7.42 min Scan# 780

Delta R.T. 0.00 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Instrument :

BNA_G

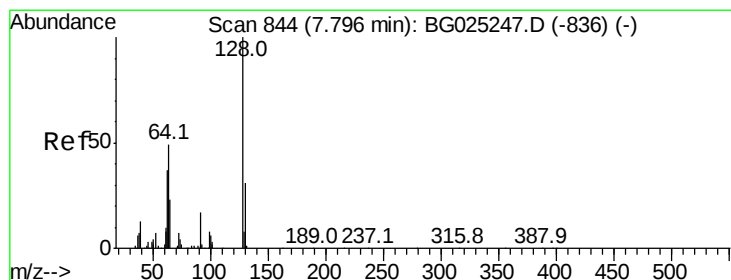
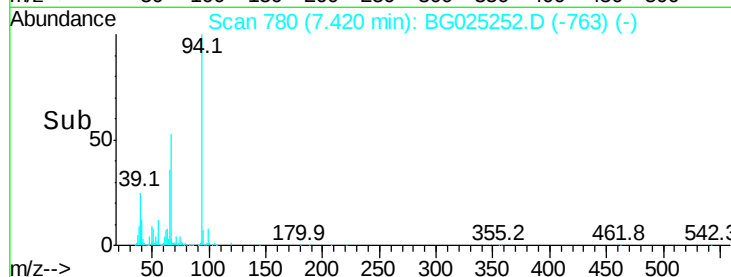
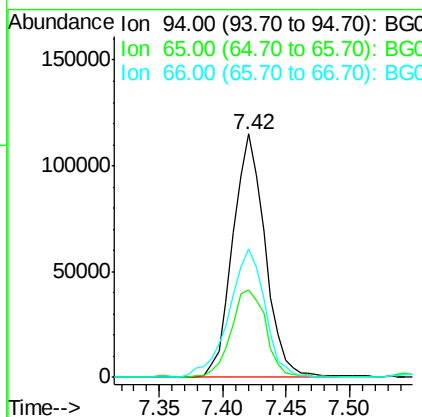
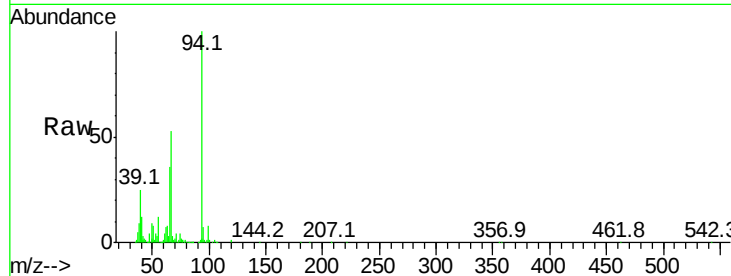
ClientSampleId :

DA8W1MS

Tot Ion:	94	Resp:	203242
Ion Ratio	Lower	Upper	
94	100		
65	35.8	26.8	40.2
66	52.7	44.4	66.6

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#10

2-Chlorophenol

Concen: 26.69 ng/ul

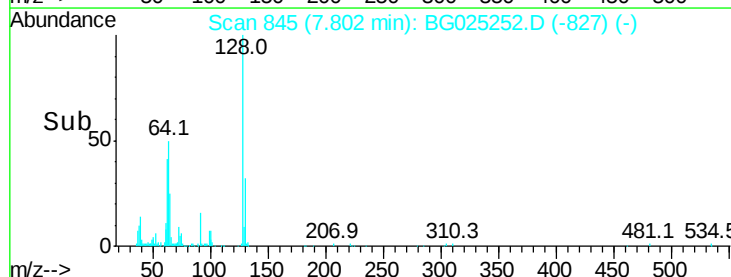
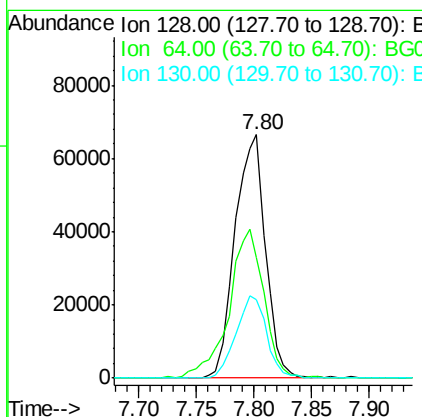
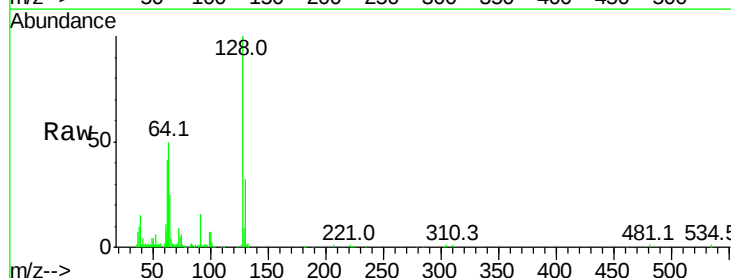
RT: 7.80 min Scan# 845

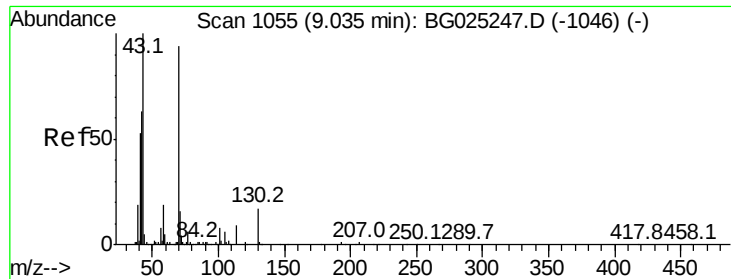
Delta R.T. 0.01 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Tgt Ion:	128	Resp:	121384
Ion Ratio	Lower	Upper	
128	100		
64	49.7	56.3	84.5#
130	32.1	26.7	40.1





#15

N-Nitroso-di-n-propylamine

Concen: 25.25 ng/ul

RT: 9.04 min Scan# 1055

Delta R.T. 0.00 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Instrument :

BNA_G

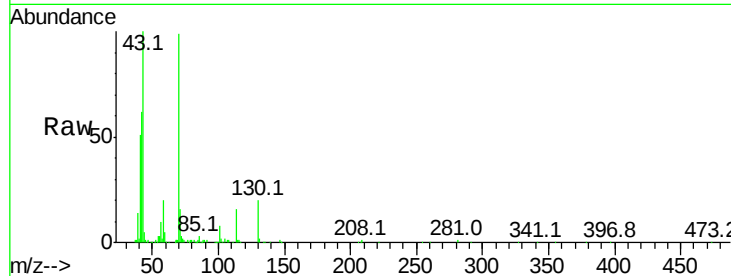
ClientSampleId :

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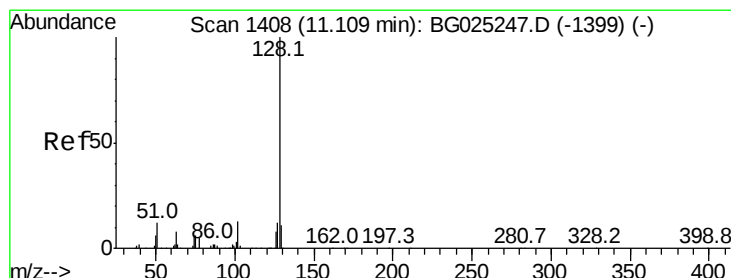
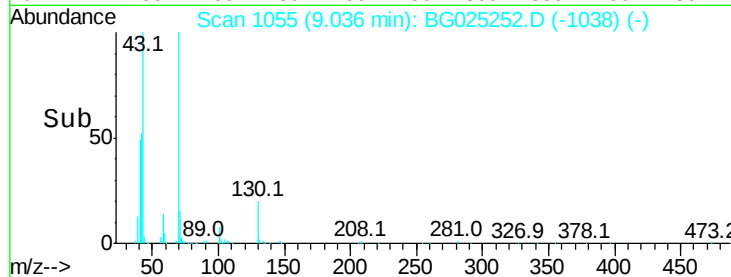
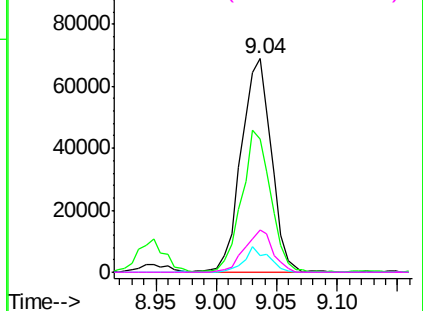
Tot Ion	Ratio	Lower	Upper
70	100		
42	62.6	59.0	88.6
101	7.9	6.6	9.8
130	19.7	15.6	23.4

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Abundance Ion 70.00 (69.70 to 70.70): BG025247.D (-1046) (-)
Ion 42.00 (41.70 to 42.70): BG025247.D (-1046) (-)
Ion 101.00 (100.70 to 101.70): BG025247.D (-1046) (-)
Ion 130.00 (129.70 to 130.70): BG025247.D (-1046) (-)



#28

Naphthalene

Concen: 2.02 ng/ul

RT: 11.10 min Scan# 1407

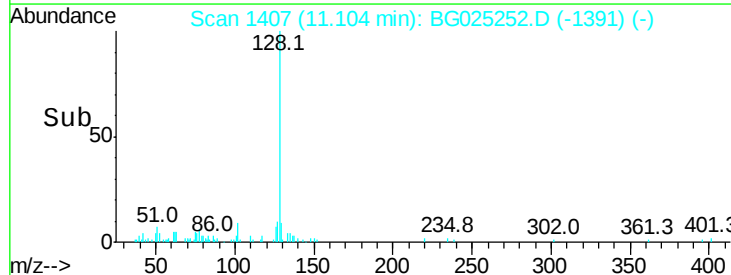
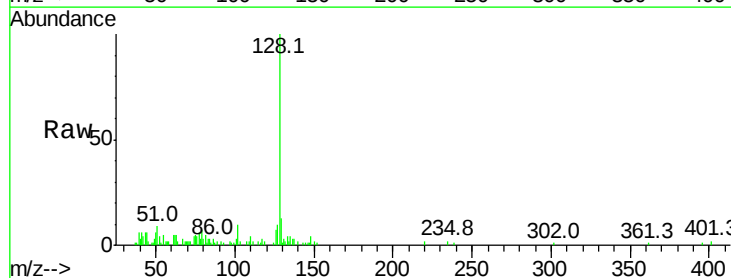
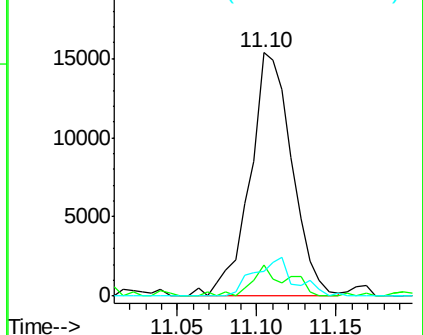
Delta R.T. -0.01 min

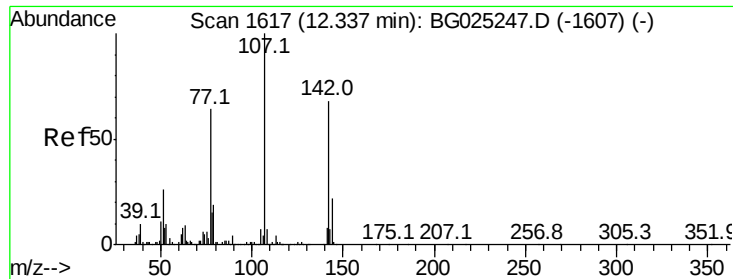
Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.0	9.4	14.2
127	10.1	10.3	15.5#

Abundance Ion 128.00 (127.70 to 128.70): BG025247.D (-1399) (-)
Ion 129.00 (128.70 to 129.70): BG025247.D (-1399) (-)
Ion 127.00 (126.70 to 127.70): BG025247.D (-1399) (-)





#33

4-Chloro-3-methylphenol

Concen: 28.58 ng/ul

RT: 12.34 min Scan# 1617

Delta R.T. 0.00 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Instrument :

BNA_G

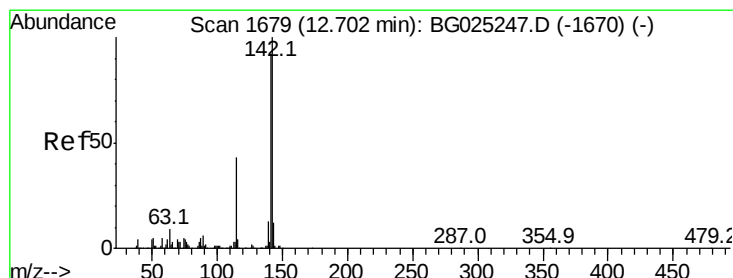
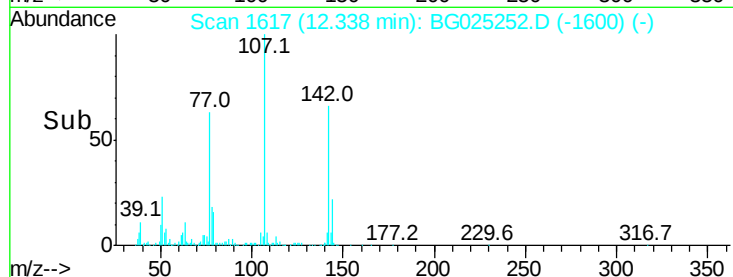
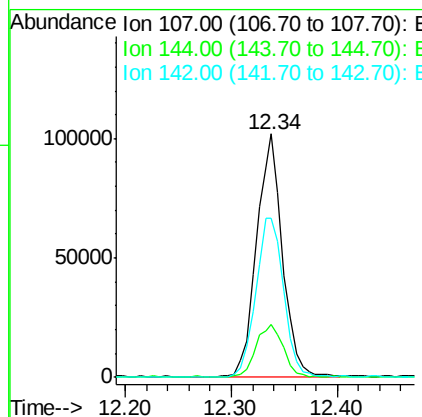
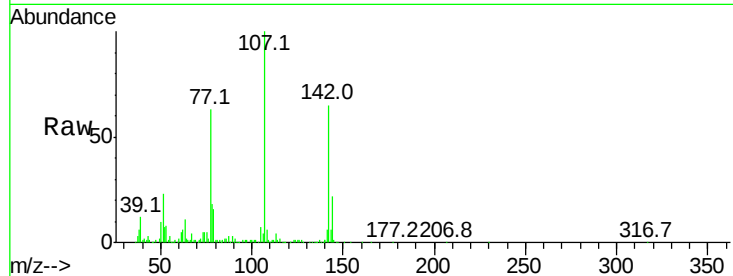
ClientSampleId :

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Tot Ion:	107	Resp:	175344
Ion Ratio	Lower	Upper	
107	100		
144	21.7	18.2	27.4
142	65.3	55.0	82.4

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#34

2-Methylnaphthalene

Concen: 2.96 ng/ul

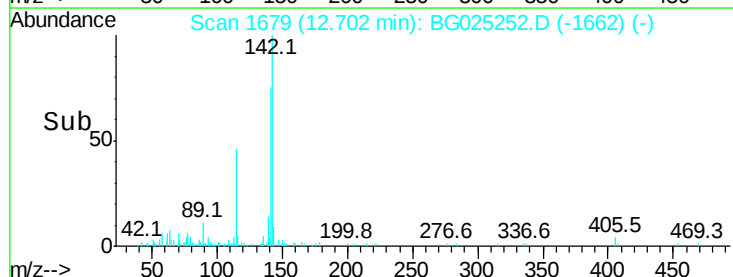
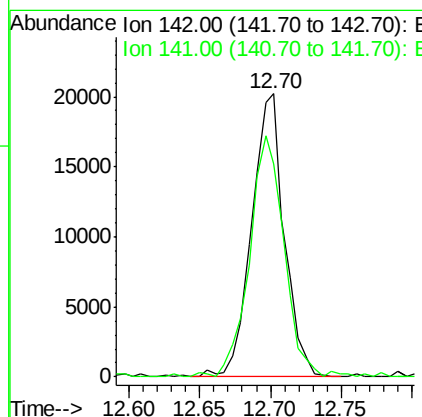
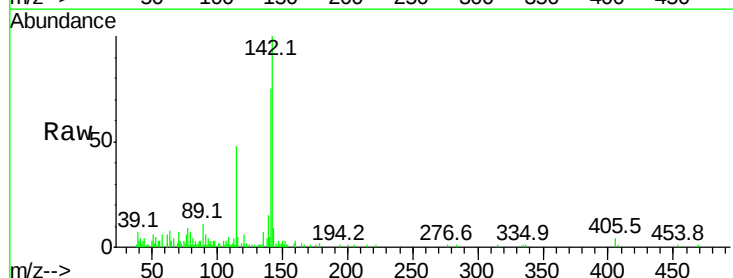
RT: 12.70 min Scan# 1679

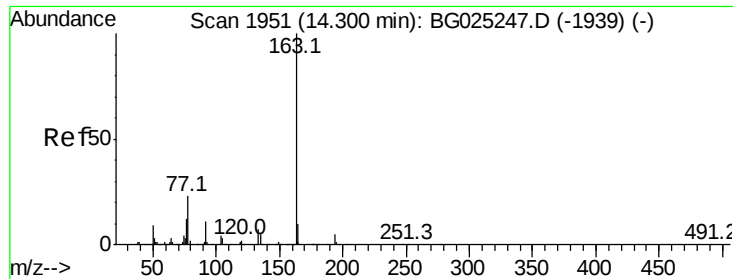
Delta R.T. 0.00 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Tgt Ion:	142	Resp:	32784
Ion Ratio	Lower	Upper	
142	100		
141	75.2	68.6	102.8





#44

Dimethylphthalate

Concen: 8.64 ng/ul

RT: 14.29 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Instrument :

BNA_G

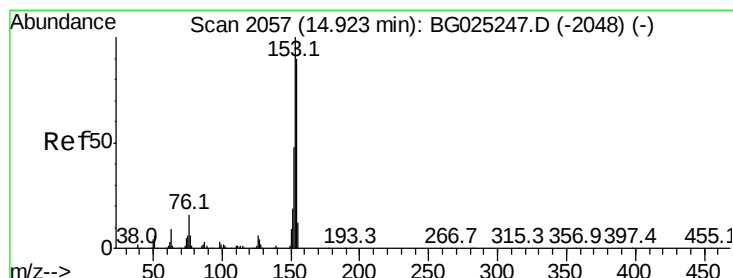
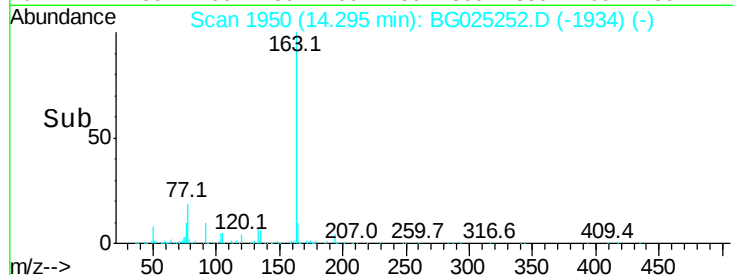
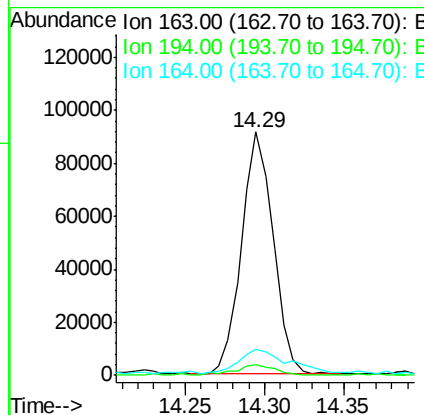
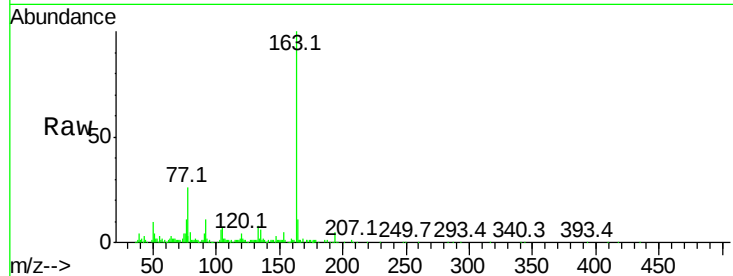
ClientSampleId :

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Tot Ion:	163	Resp:	126897
Ion Ratio		Lower	Upper
163	100		
194	4.6	3.4	5.0
164	10.9	9.0	13.4

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#49

Acenaphthene

Concen: 29.33 ng/ul

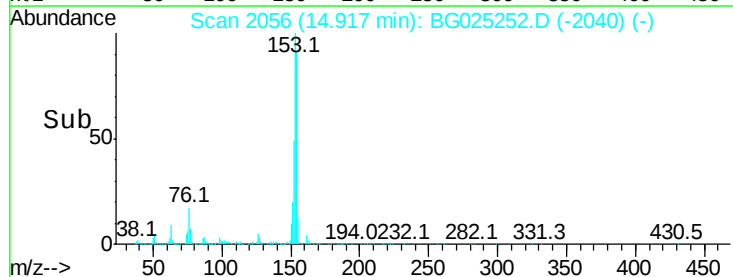
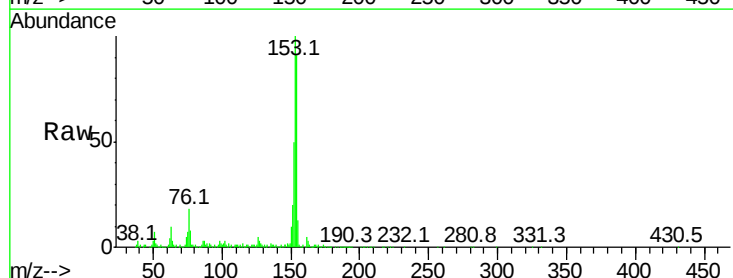
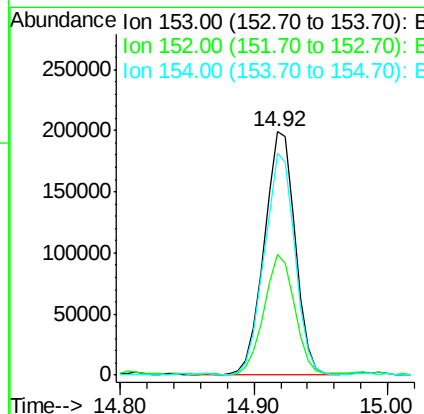
RT: 14.92 min Scan# 2056

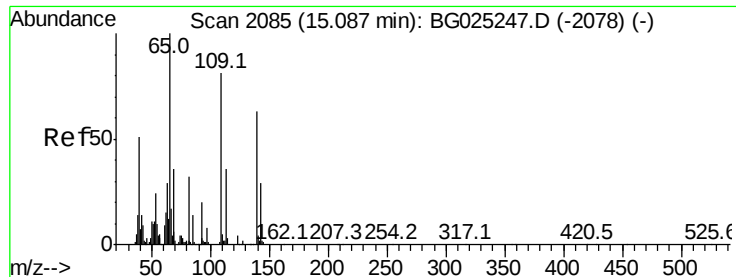
Delta R.T. -0.01 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Tgt Ion:	153	Resp:	319994
Ion Ratio		Lower	Upper
153	100		
152	49.5	36.5	54.7
154	91.3	72.3	108.5





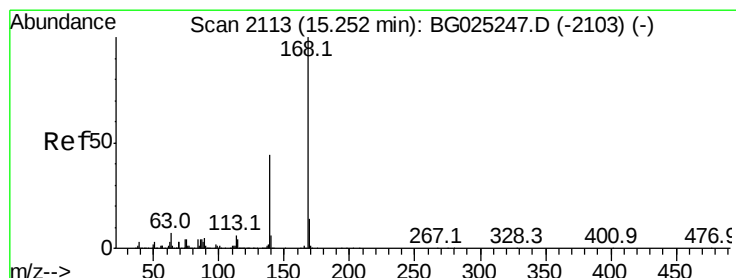
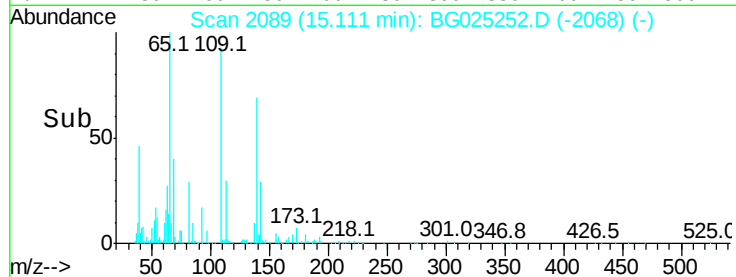
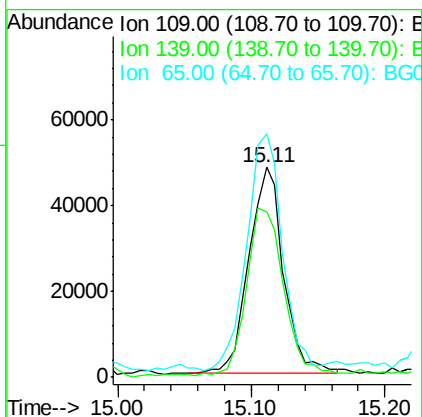
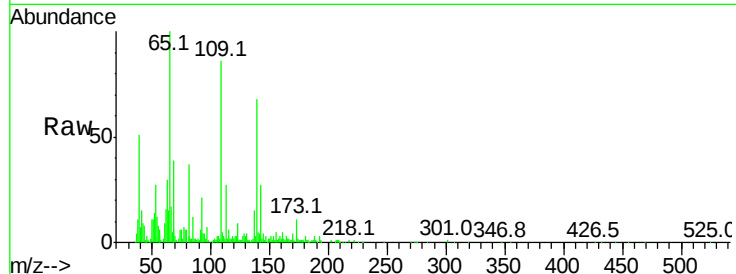
#52
4-Nitrophenol
Concen: 27.90 ng/ul
RT: 15.11 min Scan# 2089
Delta R.T. 0.02 min
Lab File: BG025252.D
Acq: 16 Dec 2016 23:53

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Tot Ion	Ratio	Resp	Lower	Upper
109	100			
139	78.9	62.6	93.8	
65	115.9	90.4	135.6	

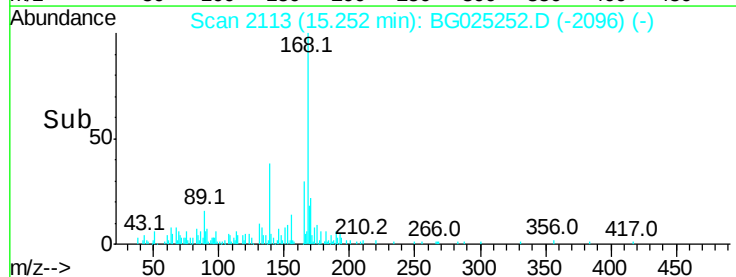
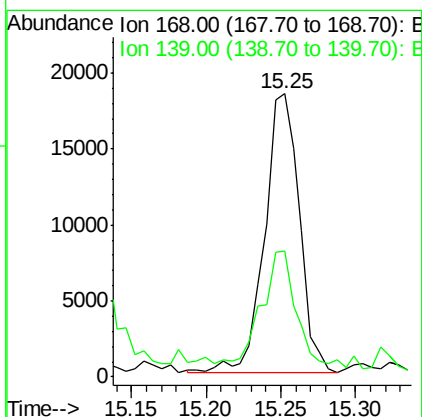
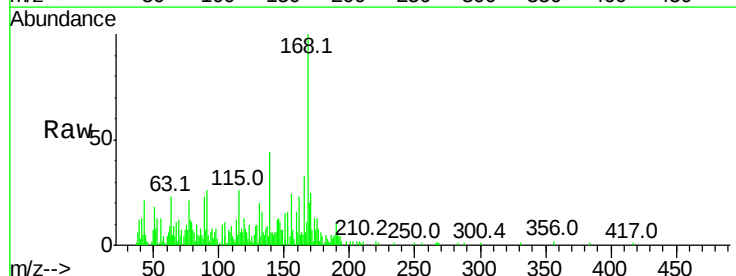
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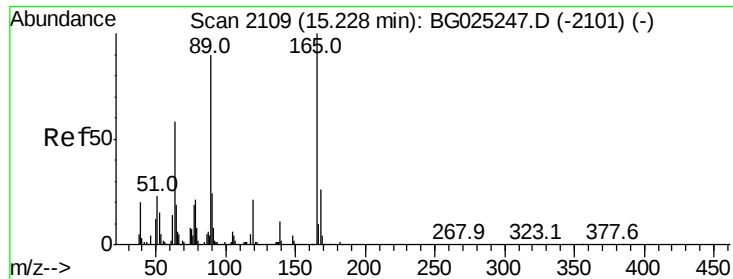
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#53
Dibenzofuran
Concen: 1.72 ng/ul
RT: 15.25 min Scan# 2113
Delta R.T. 0.00 min
Lab File: BG025252.D
Acq: 16 Dec 2016 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	44.4	33.8	50.8	





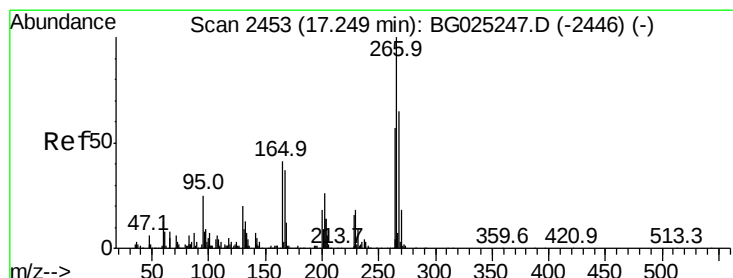
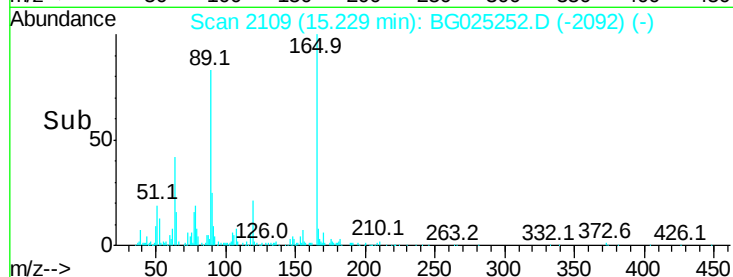
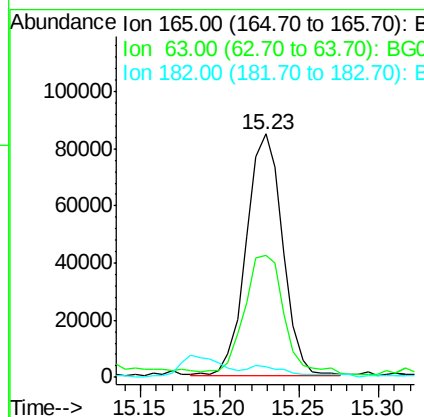
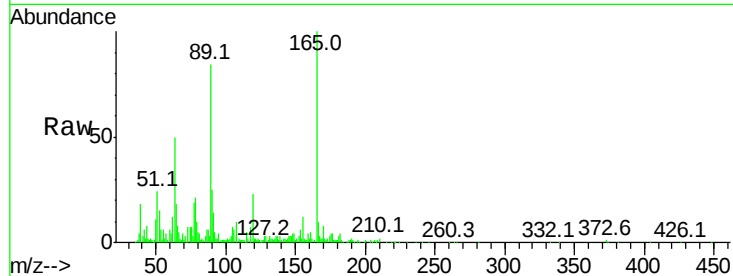
#54
 2,4-Dinitrotoluene
 Concen: 28.37 ng/ul
 RT: 15.23 min Scan# 2109
 Delta R.T. 0.00 min
 Lab File: BG025252.D
 Acq: 16 Dec 2016 23:53

Instrument :
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 DA8W1MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	50.3	46.8	70.2	
182	4.2	1.8	2.6	

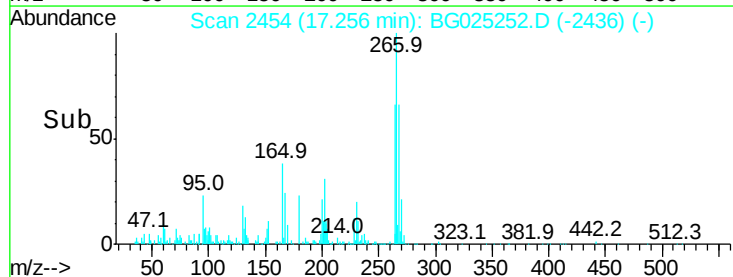
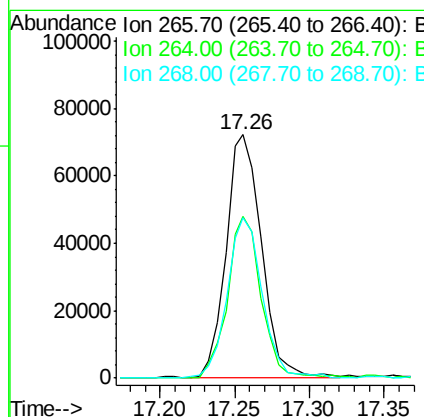
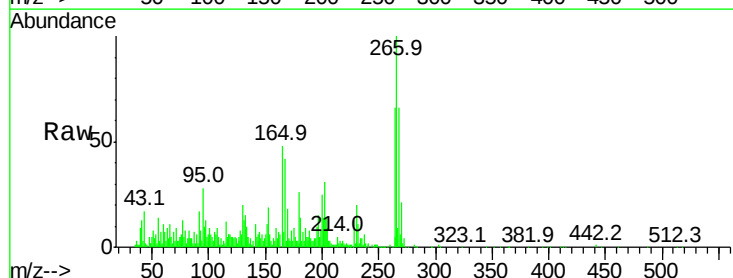
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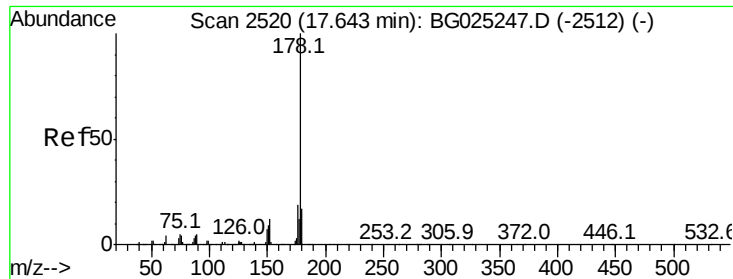
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#68
 Pentachlorophenol
 Concen: 35.03 ng/ul
 RT: 17.26 min Scan# 2454
 Delta R.T. 0.01 min
 Lab File: BG025252.D
 Acq: 16 Dec 2016 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
266	100			
264	66.2	47.1	70.7	
268	65.9	56.2	84.4	





#69

Phenanthrene

Concen: 9.65 ng/ul

RT: 17.64 min Scan# 2520

Delta R.T. 0.00 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Instrument :

BNA_G

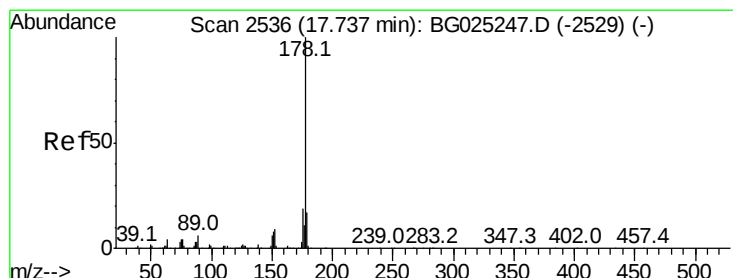
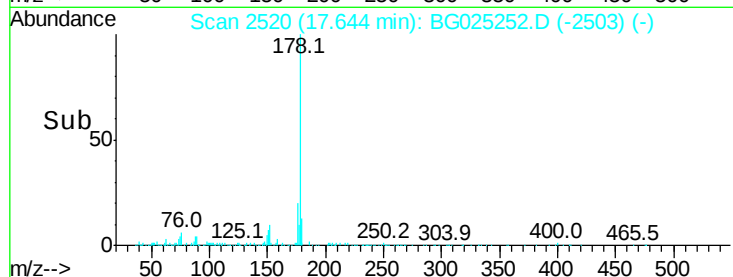
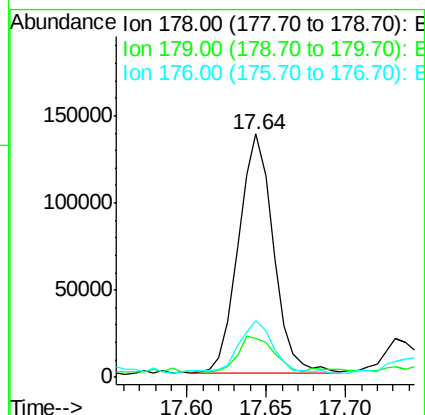
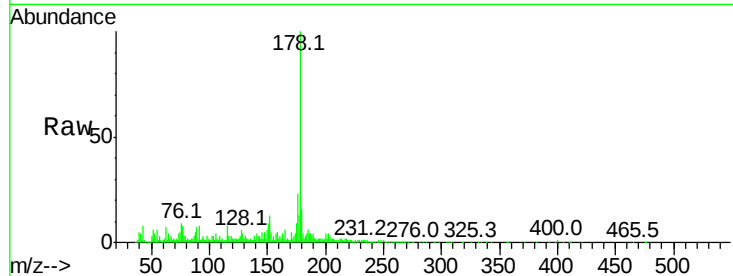
ClientSampleId :

DA8W1MS

Tot Ion:	178	Resp:	207941
Ion Ratio	Lower	Upper	
178	100		
179	16.1	12.4	18.6
176	23.2	16.5	24.7

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#71

Anthracene

Concen: 1.42 ng/ul

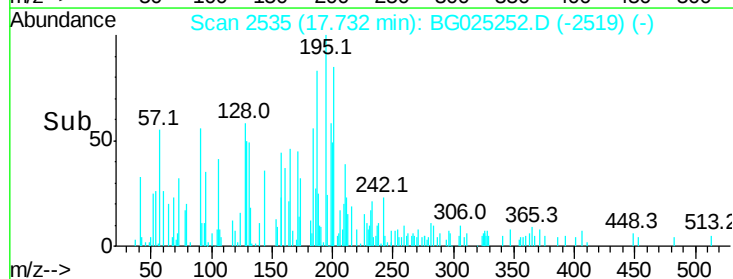
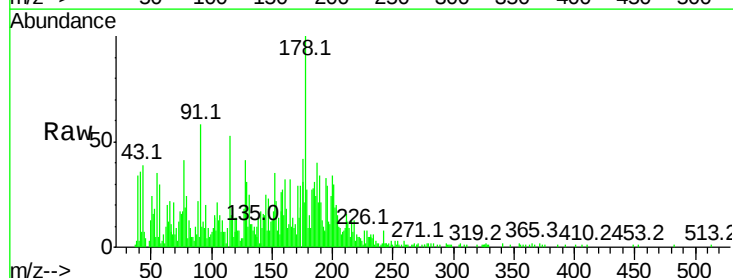
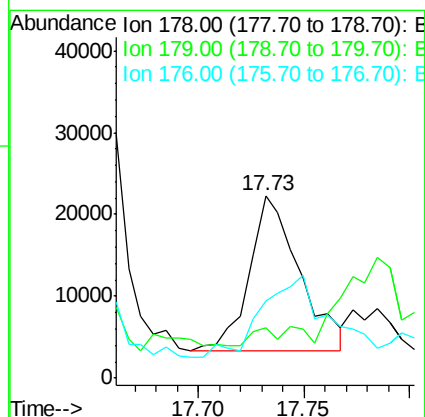
RT: 17.73 min Scan# 2535

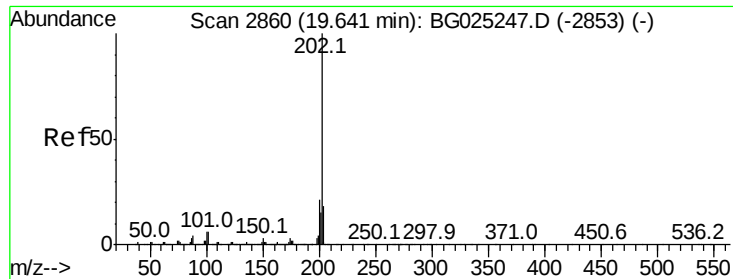
Delta R.T. -0.01 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Tgt Ion:	178	Resp:	31396
Ion Ratio	Lower	Upper	
178	100		
179	27.4	12.6	19.0#
176	41.9	15.9	23.9#





#74

Fluoranthene

Concen: 6.10 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Instrument :

BNA_G

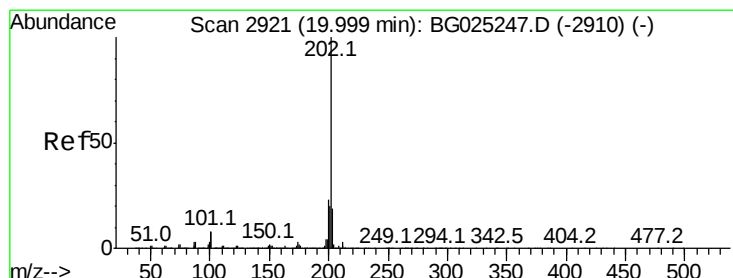
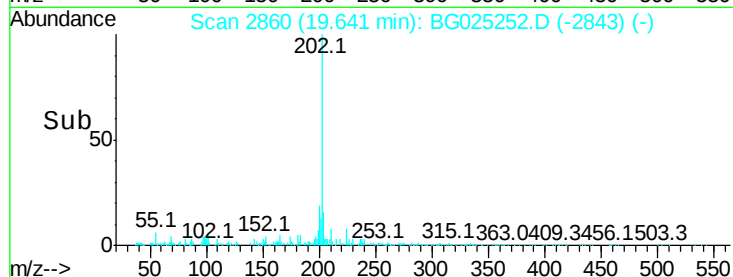
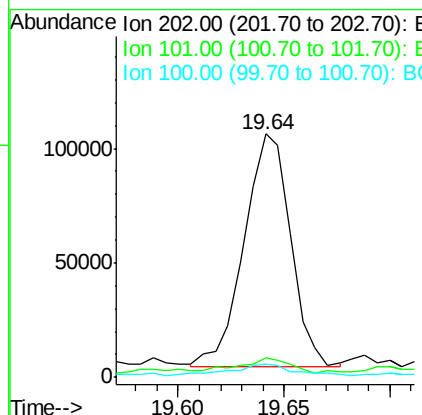
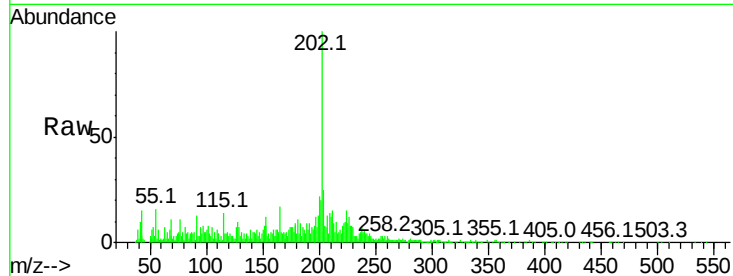
ClientSampleId :

DA8W1MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		156083		
101	8.2	6.2	9.2		
100	5.7	5.2	7.8		

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#77

Pyrene

Concen: 37.98 ng/ul

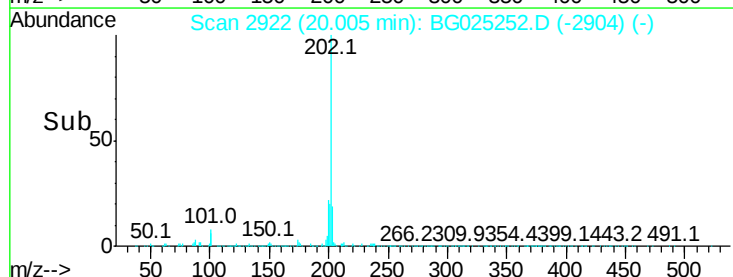
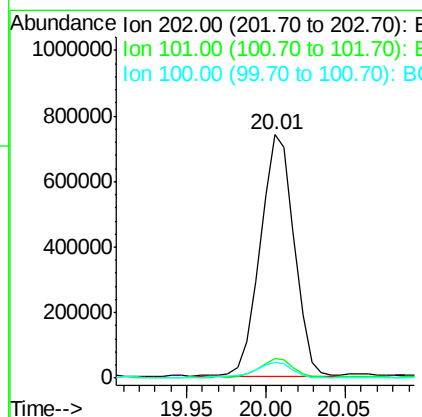
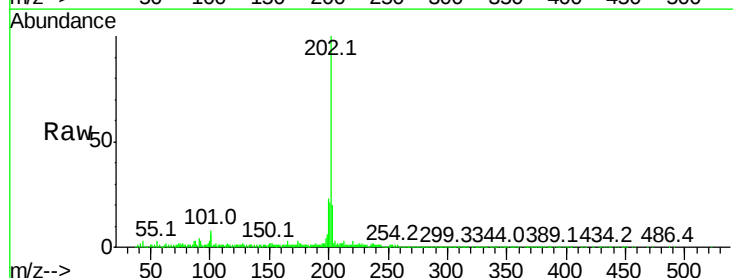
RT: 20.01 min Scan# 2922

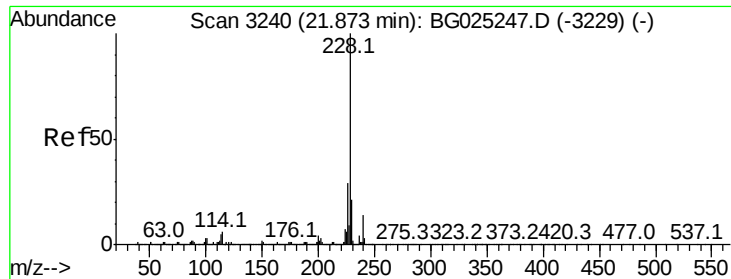
Delta R.T. 0.01 min

Lab File: BG025252.D

Acq: 16 Dec 2016 23:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		1093107		
101	7.9	6.9	10.3		
100	6.4	6.6	10.0#		





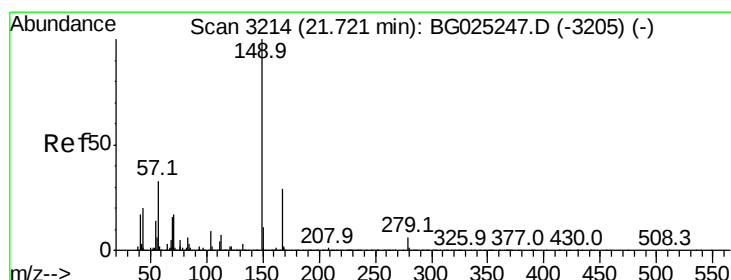
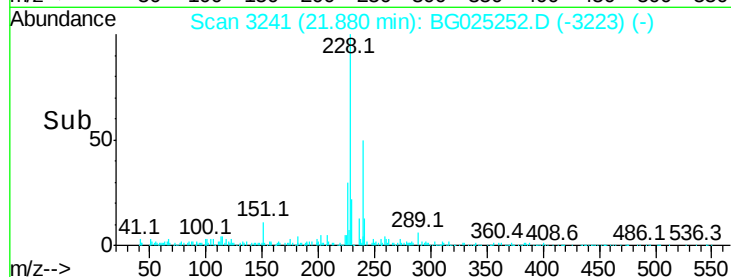
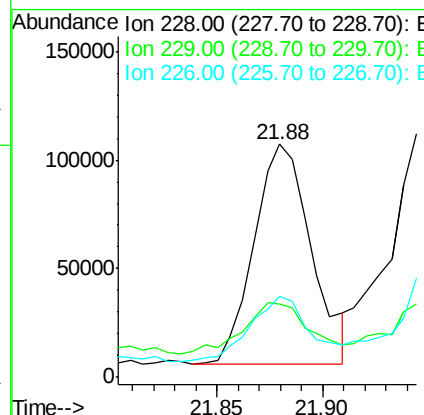
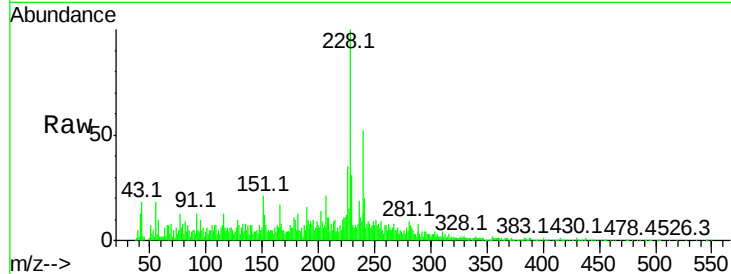
#80
Benzo(a)anthracene
Concen: 6.11 ng/ul
RT: 21.88 min Scan# 3241
Delta R.T. 0.01 min
Lab File: BG025252.D
Acq: 16 Dec 2016 23:53

Instrument :
BNA_G
ClientSampleId :
DA8W1MS

Tot Ion	Ratio	Lower	Upper
228	100		
229	31.4	16.3	24.5#
226	34.5	21.9	32.9#

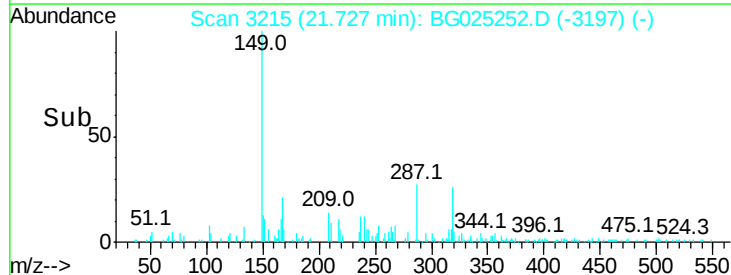
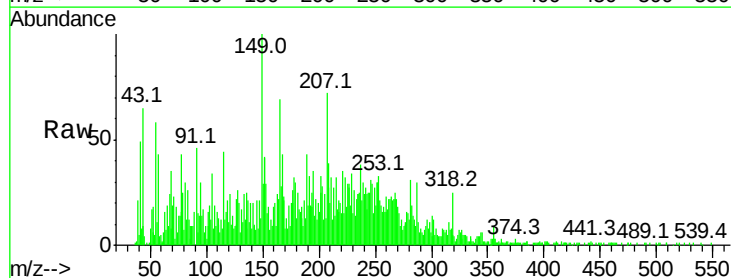
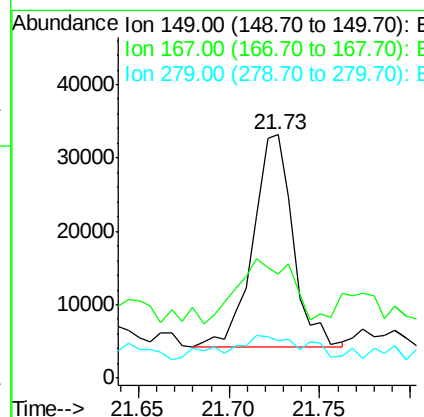
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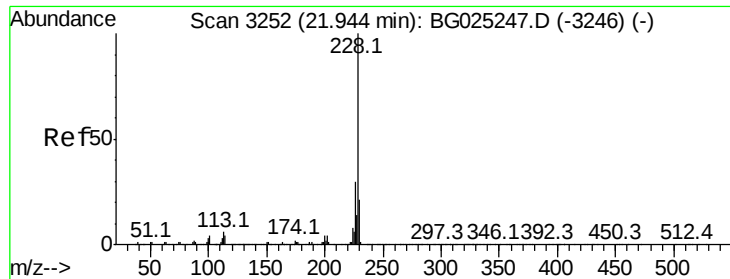
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#81
Bis(2-ethylhexyl)phthalate
Concen: 2.87 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. 0.01 min
Lab File: BG025252.D
Acq: 16 Dec 2016 23:53

Tgt Ion	Ratio	Lower	Upper
149	100		
167	42.7	21.8	32.8#
279	15.4	4.5	6.7#





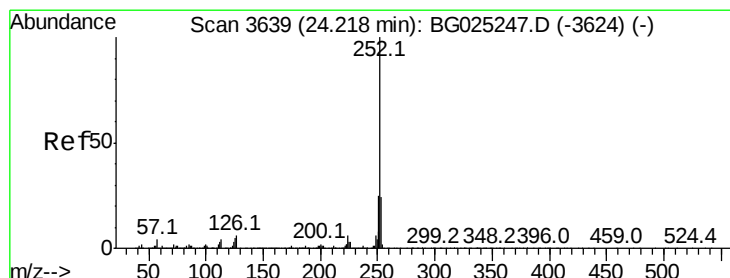
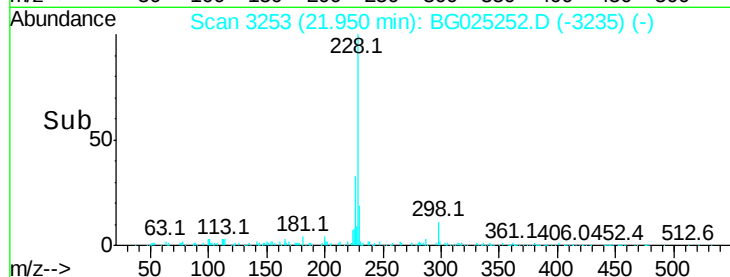
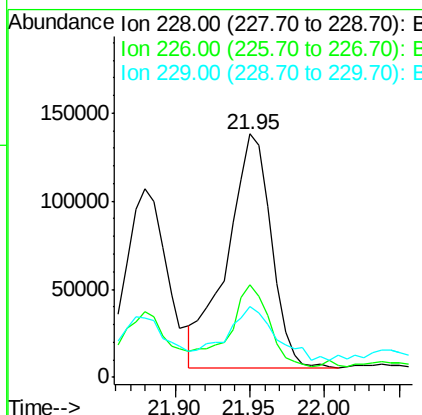
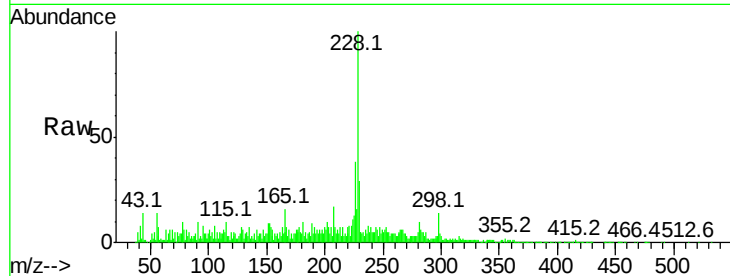
#82
Chrysene
Concen: 9.36 ng/ul
RT: 21.95 min Scan# 3253
Delta R.T. 0.01 min
Lab File: BG025252.D
Acq: 16 Dec 2016 23:53

Instrument :
BNA_G
ClientSampleId :
DA8W1MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	38.2	24.0	36.0#
229	29.0	16.9	25.3#

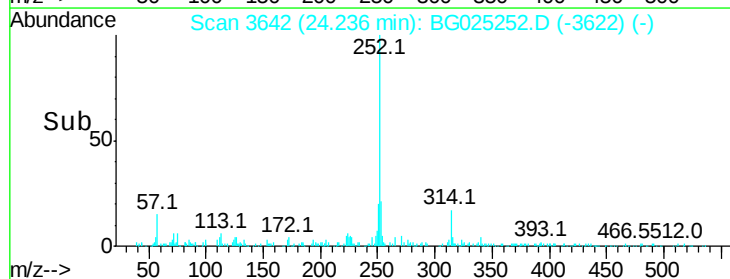
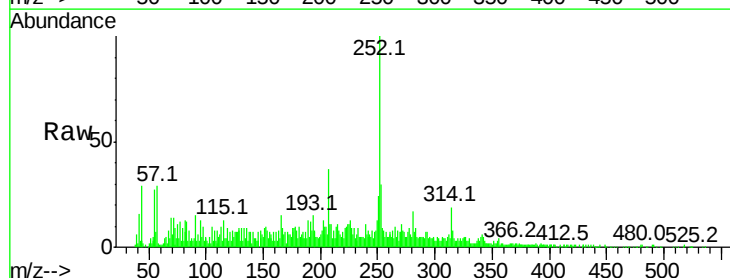
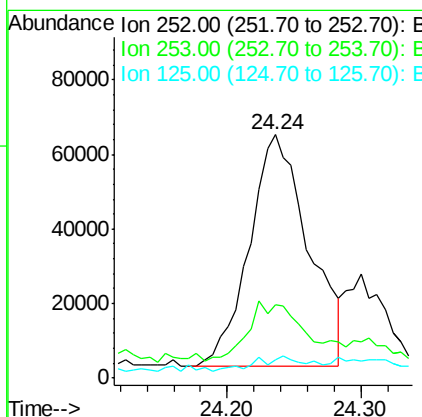
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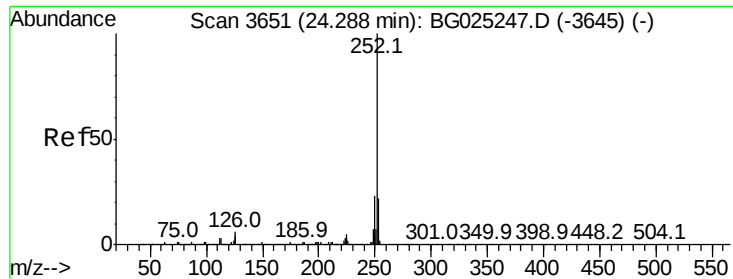
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#85
Benzo(b)fluoranthene
Concen: 6.22 ng/ul
RT: 24.24 min Scan# 3642
Delta R.T. 0.02 min
Lab File: BG025252.D
Acq: 16 Dec 2016 23:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.1	17.7	26.5#
125	7.3	4.0	6.0#





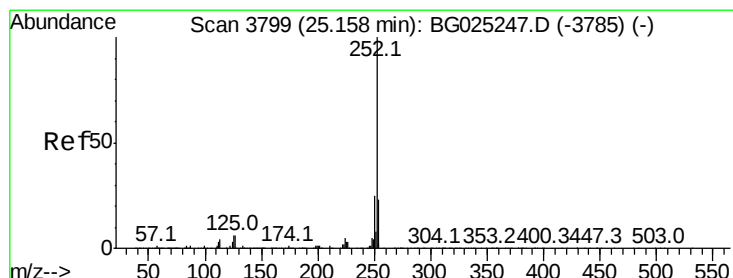
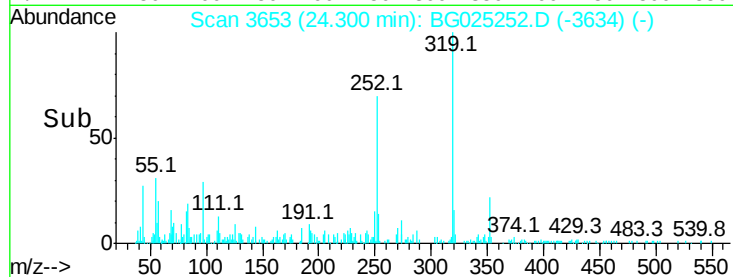
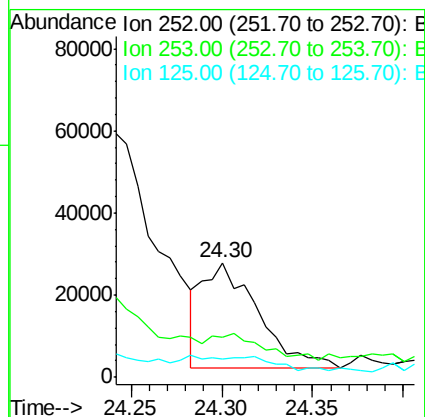
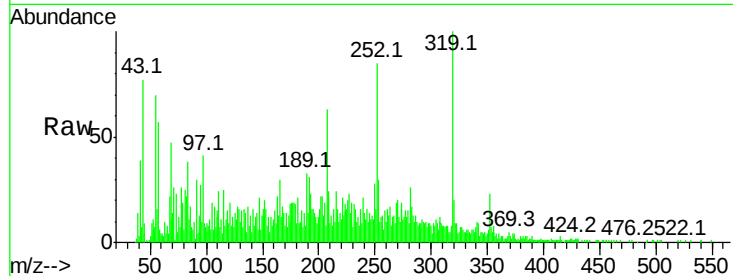
#86
Benzo(k)fluoranthene
Concen: 1.84 ng/ul
RT: 24.30 min Scan# 3653
Delta R.T. 0.01 min
Lab File: BG025252.D
Acq: 16 Dec 2016 23:53

Instrument :
BNA_G
ClientSampleId :
DA8W1MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	34.8	18.5	27.7#
125	16.0	4.1	6.1#

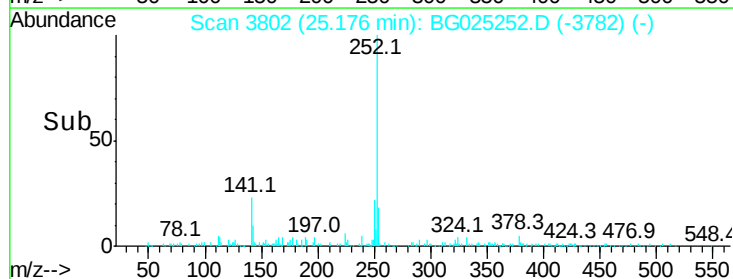
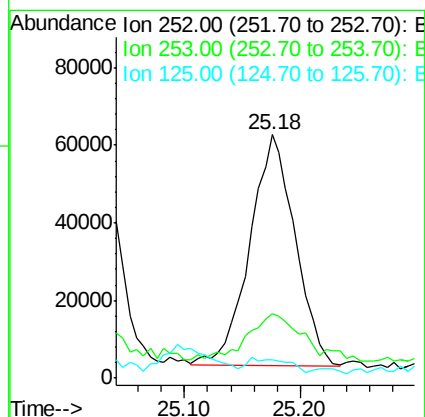
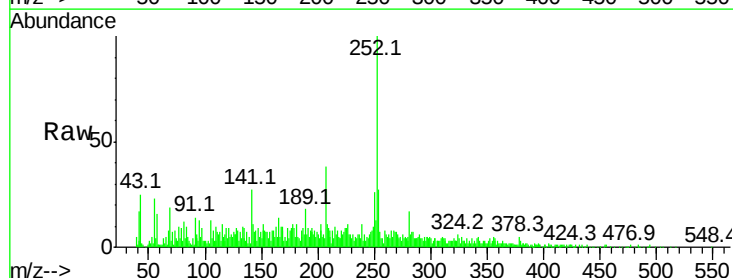
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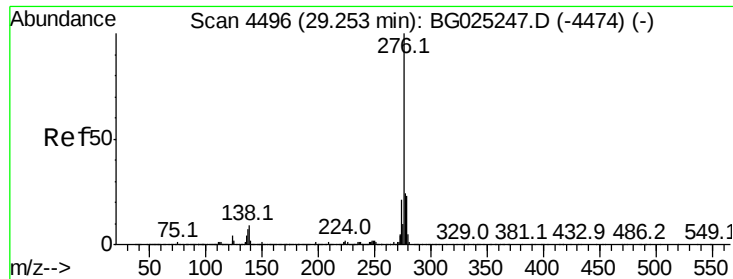
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#88
Benzo(a)pyrene
Concen: 5.51 ng/ul
RT: 25.18 min Scan# 3802
Delta R.T. 0.02 min
Lab File: BG025252.D
Acq: 16 Dec 2016 23:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.8	26.6
125	7.4	5.4	8.0





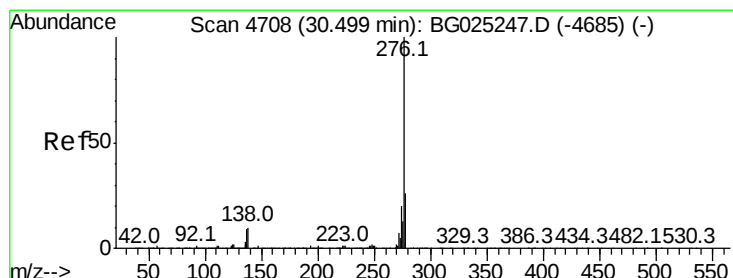
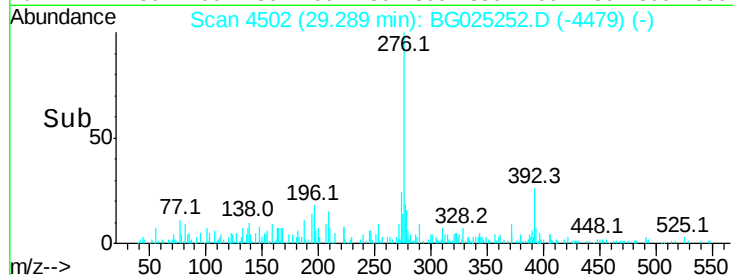
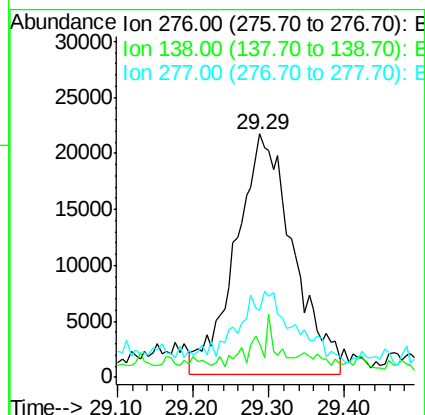
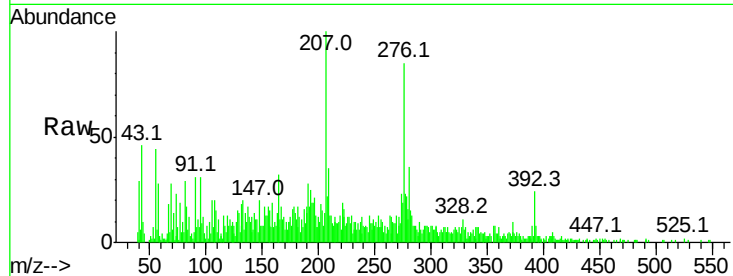
#89
Indeno(1,2,3-cd)pyrene
Concen: 3.07 ng/ul m
RT: 29.29 min Scan# 4502
Delta R.T. 0.04 min
Lab File: BG025252.D
Acq: 16 Dec 2016 23:53

Instrument :
BNA_G
ClientSampleId :
DA8W1MS

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	13.6	8.2	12.4#	
277	27.3	18.6	28.0	

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#91
Benzo(g,h,i)perylene
Concen: 4.34 ng/ul m
RT: 30.55 min Scan# 4717
Delta R.T. 0.05 min
Lab File: BG025252.D
Acq: 16 Dec 2016 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	8.3	8.6	12.8#	
277	23.6	17.6	26.4	

