

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
 Data File : BG023618.D
 Acq On : 11 Aug 2016 7:38
 Operator : UM/SJ
 Sample : H4384-22MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS001-1218-01MSD

Manual Integrations
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 8/11/2016 6:14:45 PM

Quant Time: Aug 11 08:29:17 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 11 03:58:16 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	208508	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	951606	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	658506	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1383516	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	1302173	20.00	ng/ul	0.00
83) Perylene-d12	25.28	264	1347092	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	14541	2.96	ng/uL	0.00
5) Phenol-d5	7.27	99	439455	20.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	267403	19.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	297146	20.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.83	113	331027	20.19	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	162084	21.61	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	195054	22.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	387299	23.83	ng/ul	0.00
29) 4-Chloroaniline-d4	11.08	131	350760	18.40	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	1323735	24.55	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	1536793	25.33	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	231405	25.14	ng/ul	0.00
57) Fluorene-d10	15.78	176	1206069	24.21	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	225557	25.41	ng/ul	0.00
70) Anthracene-d10	17.65	188	1719018	27.58	ng/ul	0.00
76) Pyrene-d10	19.94	212	1774713	26.92	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.05	264	1760834	28.88	ng/ul	0.02

Target Compounds

						Qvalue
6) Phenol	7.30	94	471349	21.55	ng/ul#	76
10) 2-Chlorophenol	7.67	128	305232	20.91	ng/ul#	84
15) N-Nitroso-di-n-propylamine	8.92	70	329455	20.82	ng/ul#	86
33) 4-Chloro-3-methylphenol	12.24	107	543367	25.77	ng/ul	85
44) Dimethylphthalate	14.23	163	770465	14.43	ng/ul	100
47) Acenaphthylene	14.52	152	70028	1.10	ng/ul	99
49) Acenaphthene	14.85	153	1111057	25.69	ng/ul	95
52) 4-Nitrophenol	15.01	109	224223	24.32	ng/ul#	71
54) 2,4-Dinitrotoluene	15.16	165	459926	26.22	ng/ul#	81
68) Pentachlorophenol	17.20	266	280152	30.04	ng/ul	91
69) Phenanthrene	17.59	178	568735	7.94	ng/ul	99
71) Anthracene	17.69	178	79829	1.09	ng/ul	97
74) Fluoranthene	19.61	202	934056m	12.73	ng/ul	
77) Pyrene	19.98	202	2868558	35.63	ng/ul	99
80) Benzo(a)anthracene	21.85	228	553492m	7.55	ng/ul	
82) Chrysene	21.92	228	591706	8.87	ng/ul#	95
85) Benzo(b)fluoranthene	24.20	252	574643	7.50	ng/ul#	92
86) Benzo(k)fluoranthene	24.26	252	198343	2.63	ng/ul#	91
88) Benzo(a)pyrene	25.12	252	496868m	6.72	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.18	276	293465	3.38	ng/ul#	86
91) Benzo(g,h,i)perylene	30.41	276	311097m	4.32	ng/ul	

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

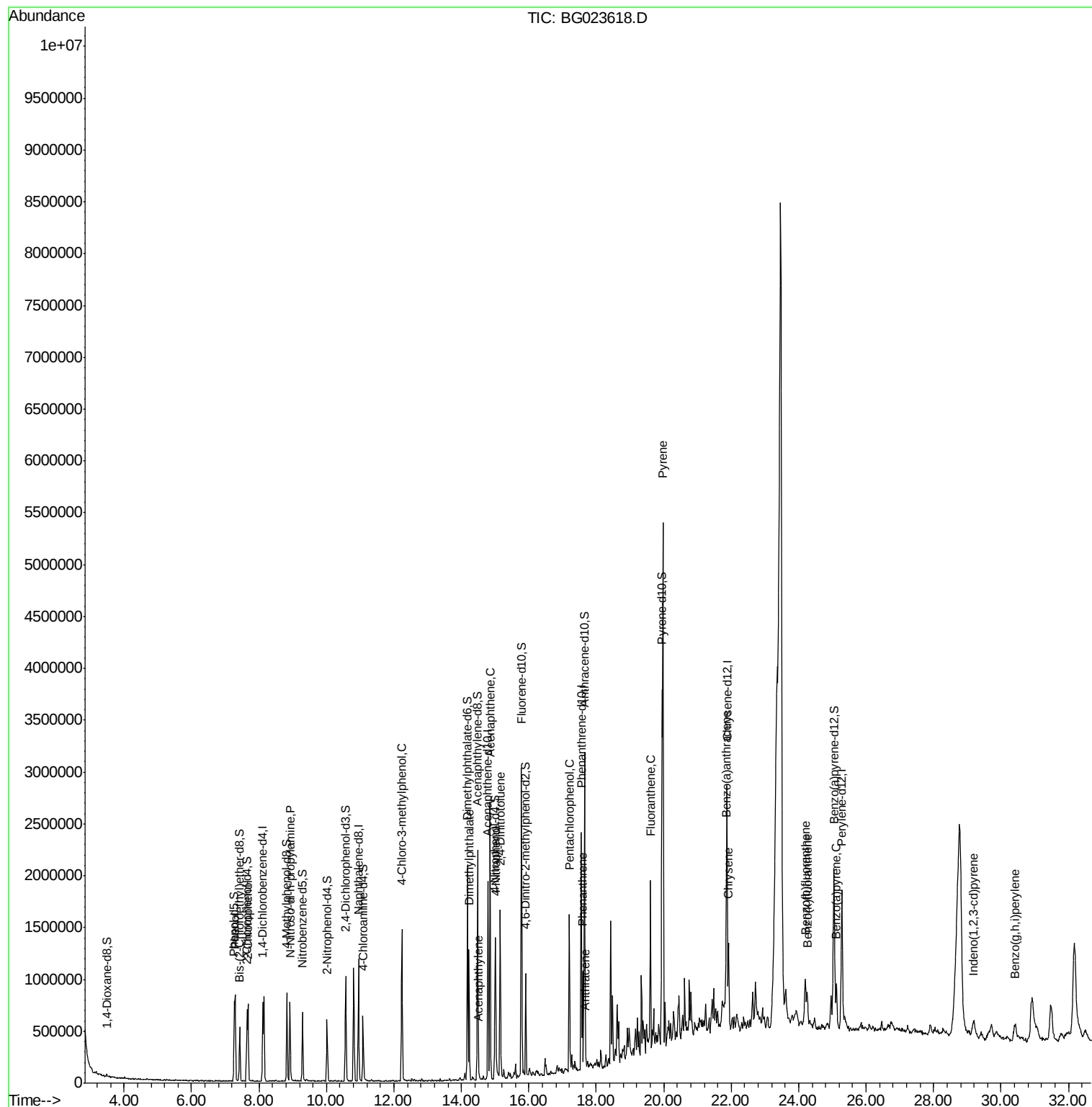
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
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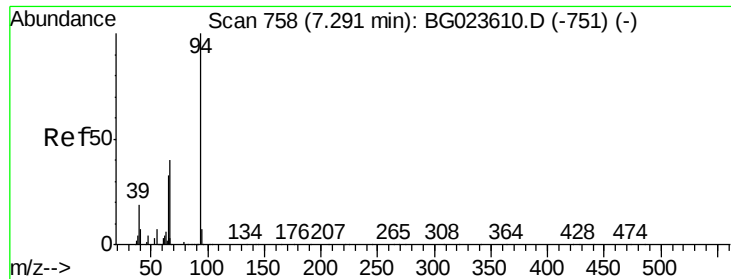
Instrument :
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Manual Integrations
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#6

Phenol

Concen: 21.55 ng/ul

RT: 7.30 min Scan# 759

Delta R.T. 0.01 min

Lab File: BG023618.D

Acq: 11 Aug 2016 7:38

Instrument :

BNA_G

ClientSampleId :

P002-SS001-1218-01MSD

Tgt Ion: 94 Resp: 471349

Ion Ratio Lower Upper

94 100

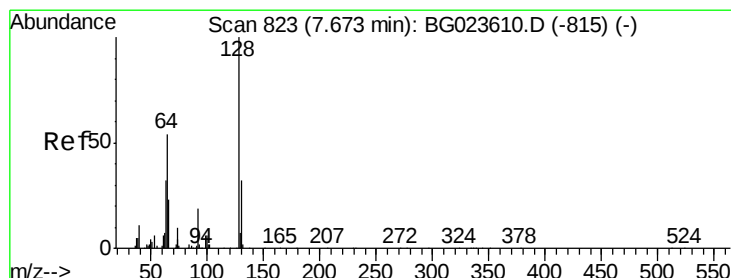
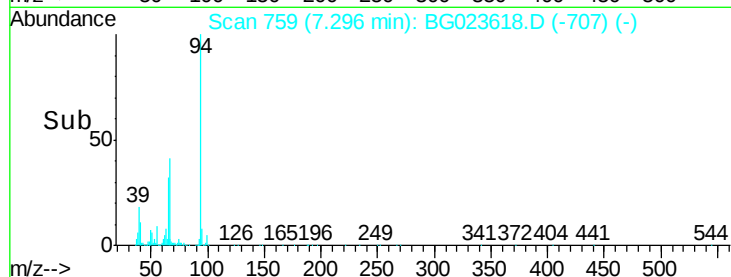
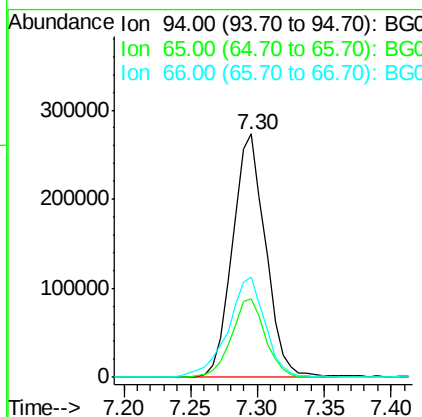
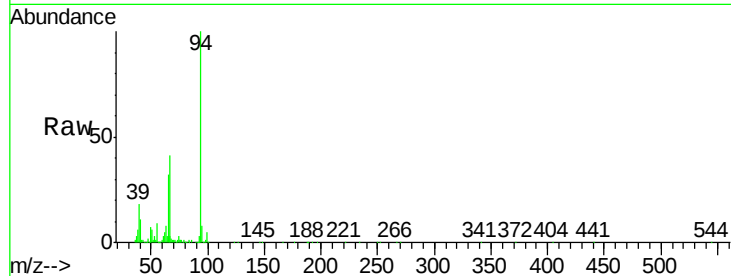
65 32.1 16.8 25.2#

66 41.0 22.6 33.8#

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#10

2-Chlorophenol

Concen: 20.91 ng/ul

RT: 7.67 min Scan# 823

Delta R.T. 0.01 min

Lab File: BG023618.D

Acq: 11 Aug 2016 7:38

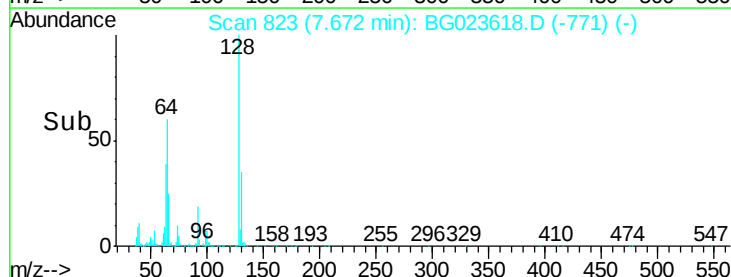
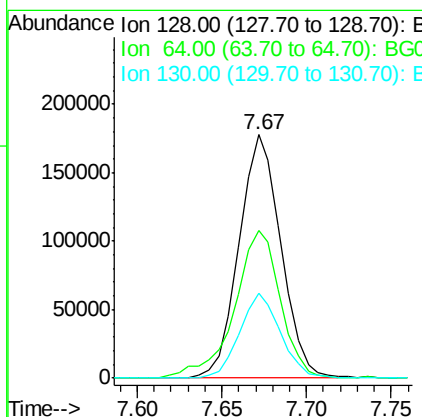
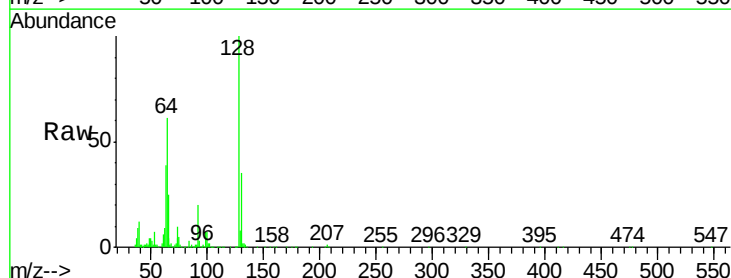
Tgt Ion: 128 Resp: 305232

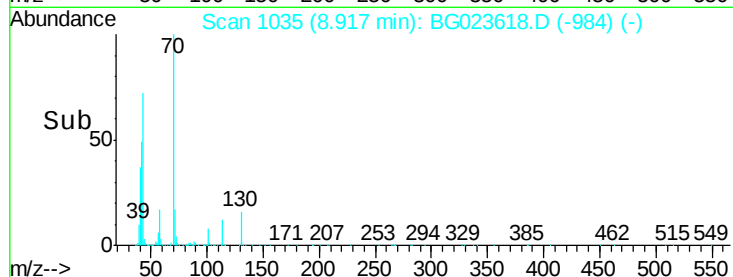
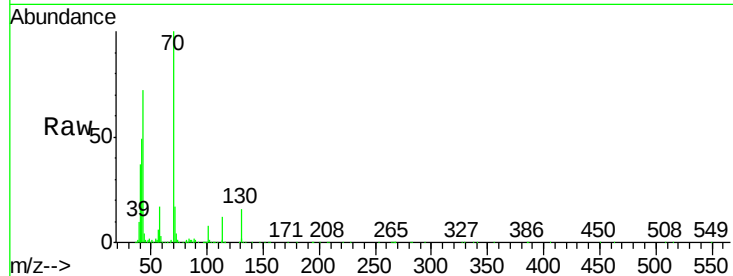
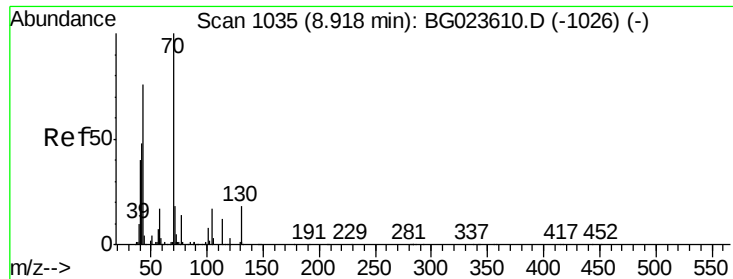
Ion Ratio Lower Upper

128 100

64 60.6 34.2 51.4#

130 34.7 27.0 40.4





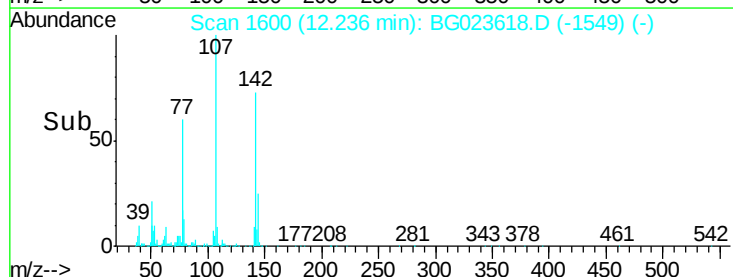
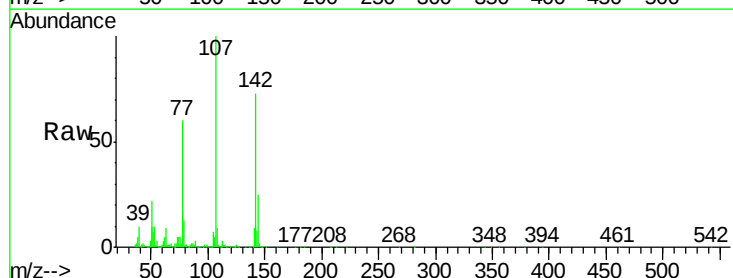
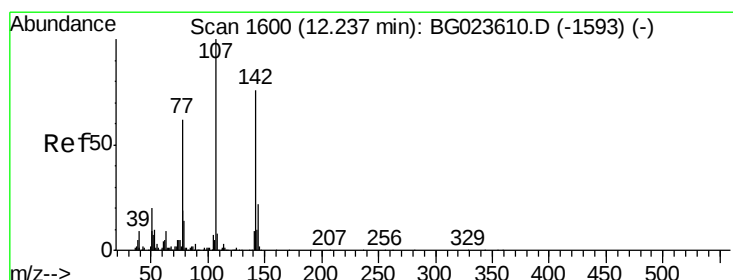
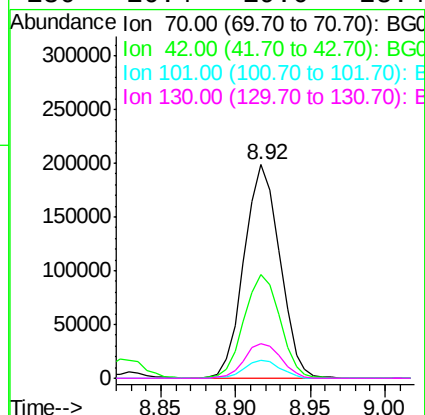
#15
N-Nitroso-di-n-propylamine
Concen: 20.82 ng/ul
RT: 8.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MSD

Tgt Ion	Ratio	Lower	Upper
70	100		
42	48.8	31.4	47.2#
101	8.5	8.6	13.0#
130	16.4	19.0	28.4#

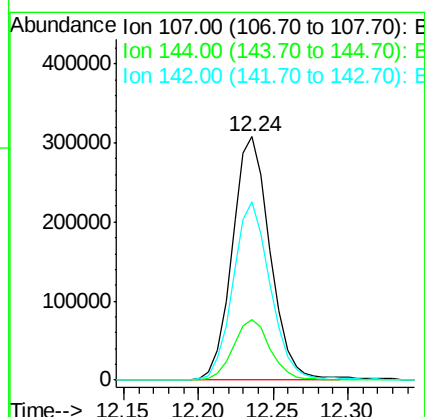
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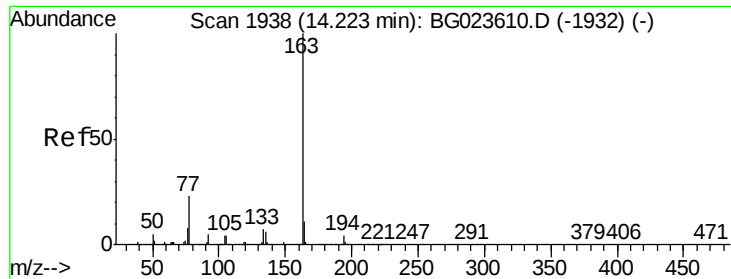
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#33
4-Chloro-3-methylphenol
Concen: 25.77 ng/ul
RT: 12.24 min Scan# 1600
Delta R.T. 0.00 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.8	22.7	34.1
142	73.2	71.6	107.4





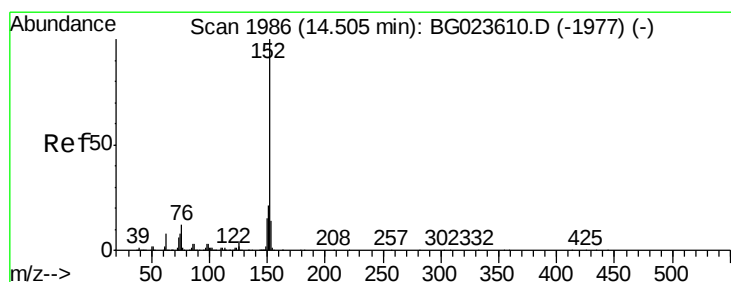
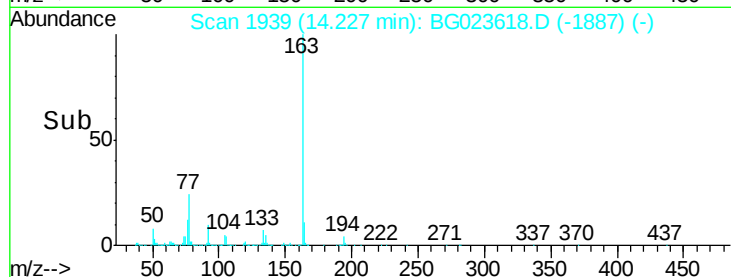
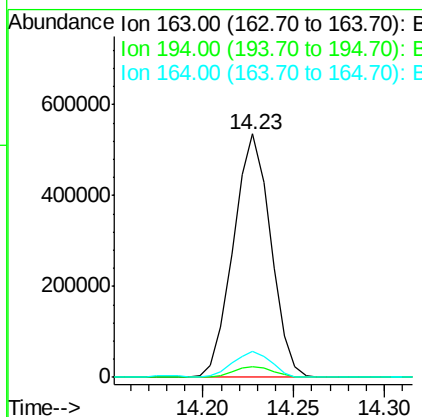
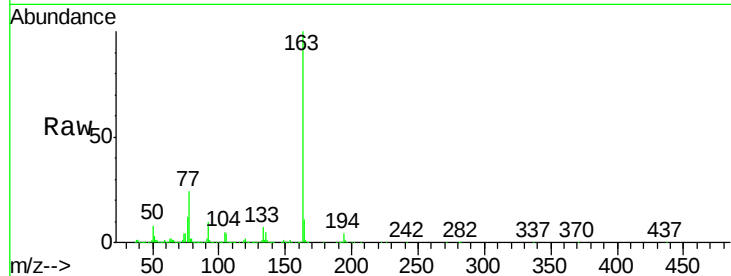
#44
Dimethylphthalate
Concen: 14.43 ng/ul
RT: 14.23 min Scan# 1939
Delta R.T. 0.01 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.3	3.4	5.2
164	10.8	8.8	13.2

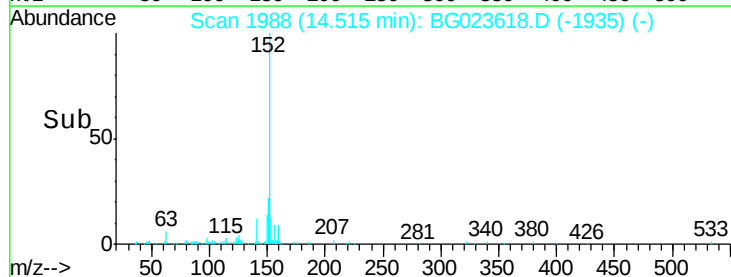
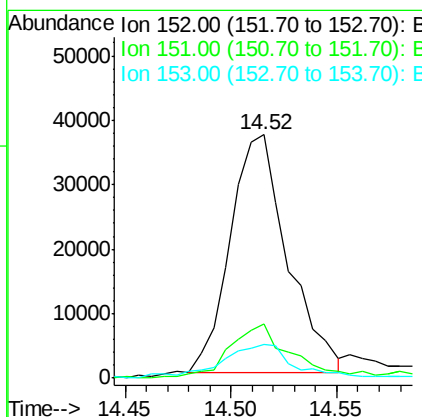
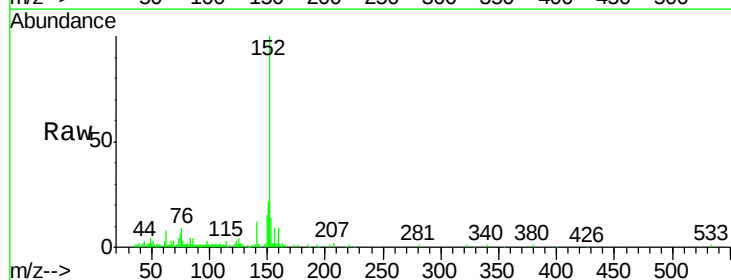
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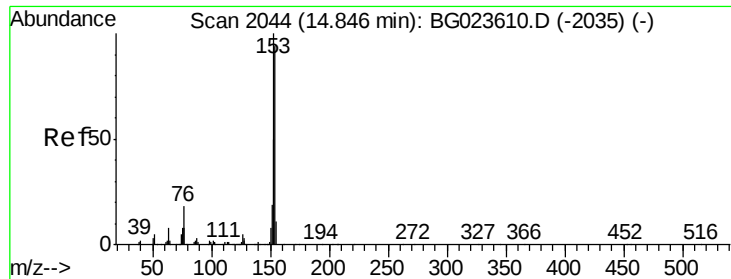
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#47
Acenaphthylene
Concen: 1.10 ng/ul
RT: 14.52 min Scan# 1988
Delta R.T. 0.01 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	22.4	17.5	26.3
153	13.6	11.1	16.7





#49

Acenaphthene

Concen: 25.69 ng/ul

RT: 14.85 min Scan# 2045

Delta R.T. 0.01 min

Lab File: BG023618.D

Acq: 11 Aug 2016 7:38

Instrument :

BNA_G

ClientSampleId :

P002-SS001-1218-01MSD

Tgt Ion:153 Resp: 1111057

Ion Ratio Lower Upper

153 100

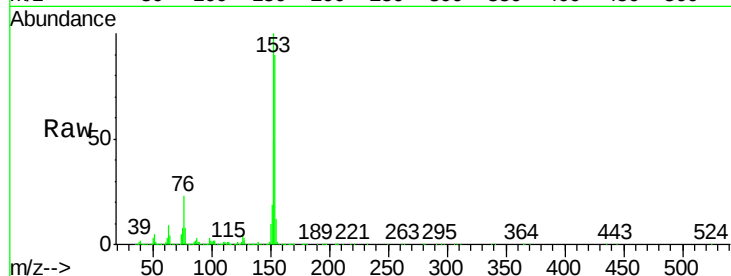
152 49.2 37.3 55.9

154 90.1 68.2 102.2

Manual Integrations
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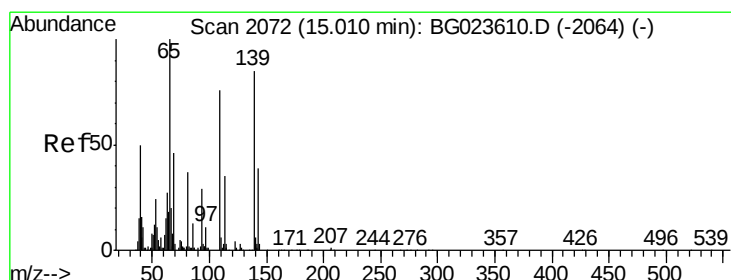
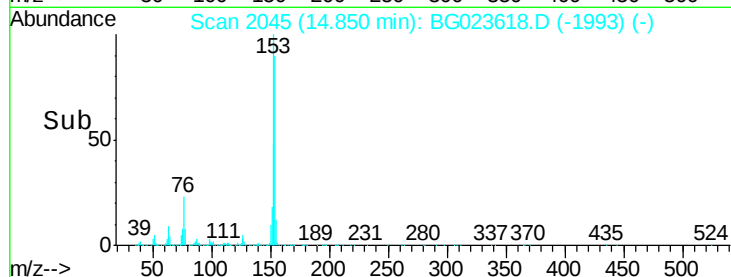
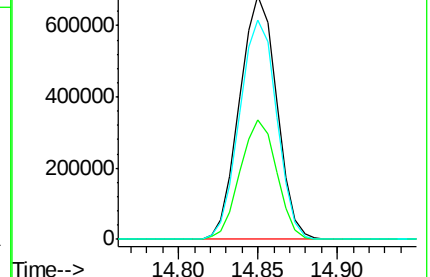
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#52

4-Nitrophenol

Concen: 24.32 ng/ul

RT: 15.01 min Scan# 2073

Delta R.T. 0.01 min

Lab File: BG023618.D

Acq: 11 Aug 2016 7:38

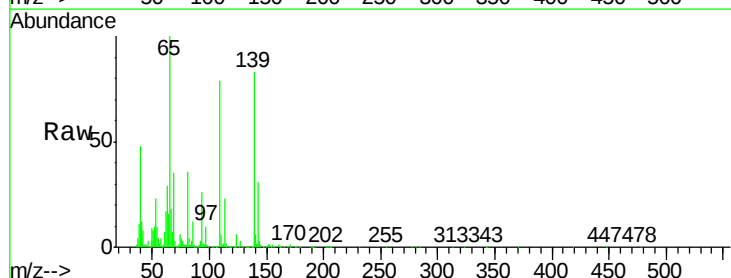
Tgt Ion:109 Resp: 224223

Ion Ratio Lower Upper

109 100

139 104.7 136.1 204.1#

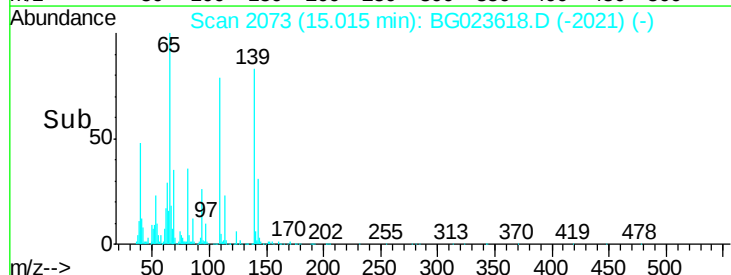
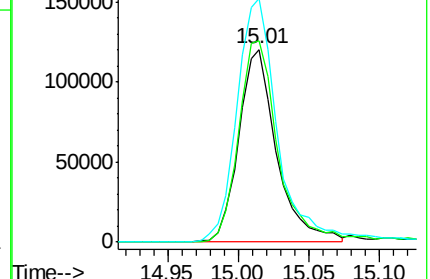
65 126.5 106.0 159.0

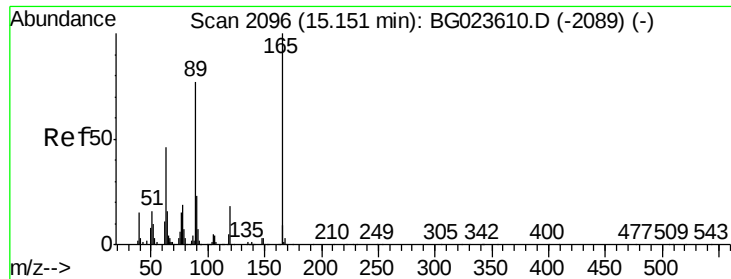


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC





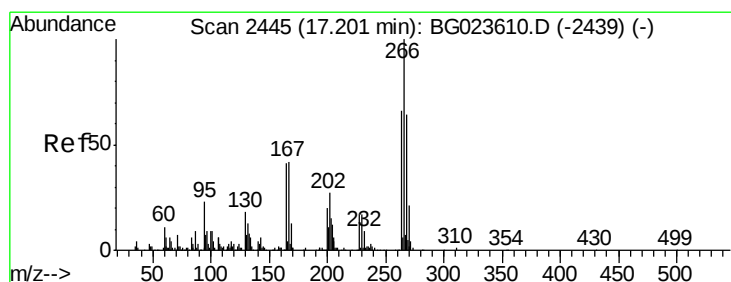
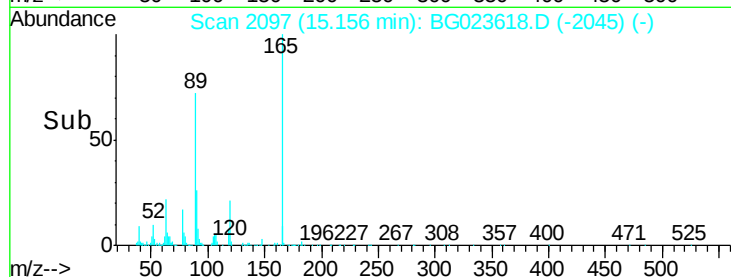
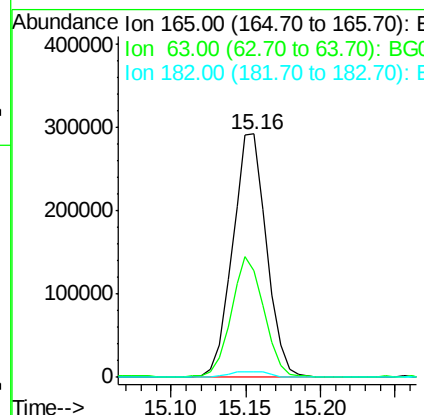
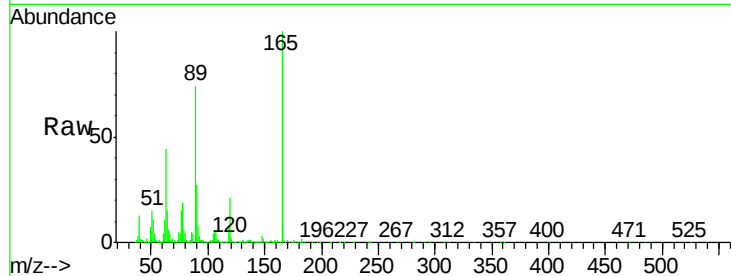
#54
2,4-Dinitrotoluene
Concen: 26.22 ng/ul
RT: 15.16 min Scan# 2097
Delta R.T. 0.01 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Instrument :
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Tgt Ion	Ratio	Resp Lower	Upper
165	100		
63	43.7	25.7	38.5#
182	2.4	2.1	3.1

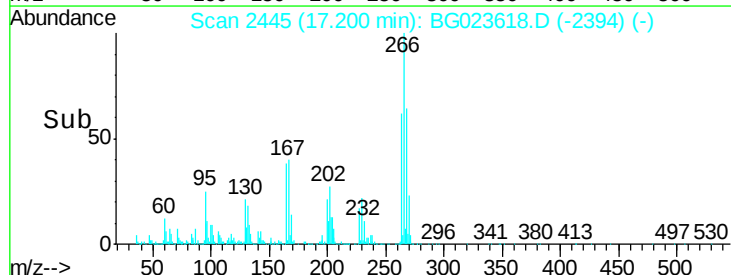
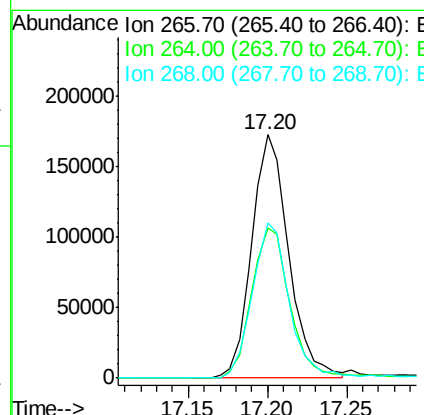
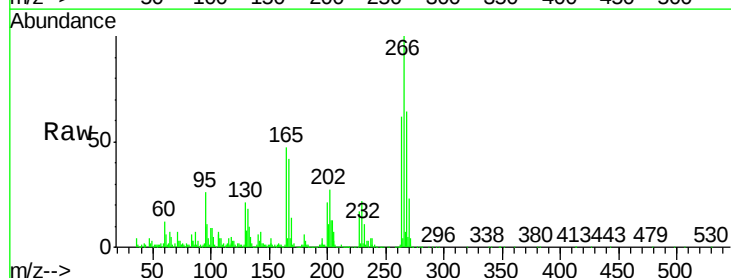
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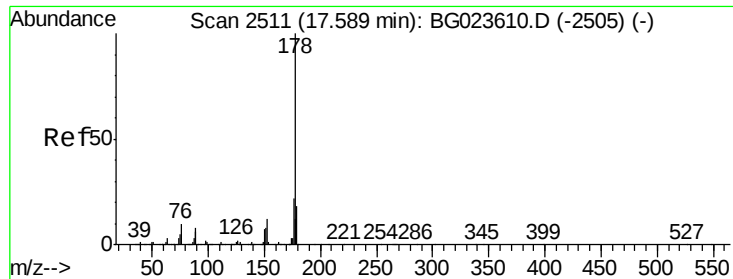
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#68
Pentachlorophenol
Concen: 30.04 ng/ul
RT: 17.20 min Scan# 2445
Delta R.T. 0.00 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
264	61.7	54.7	82.1
268	63.5	57.8	86.8





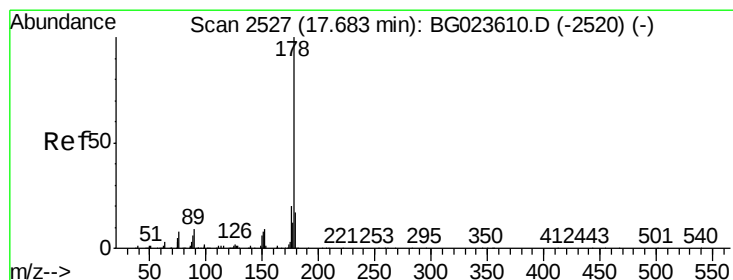
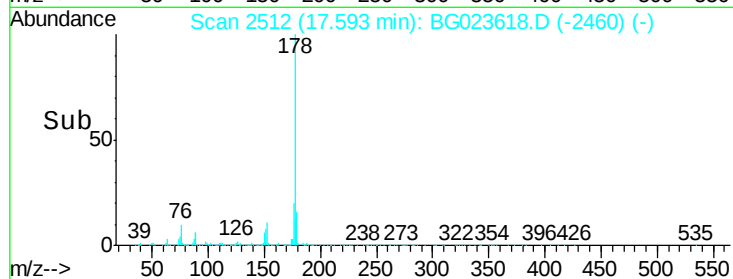
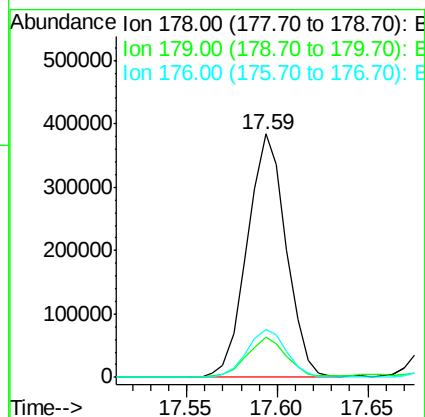
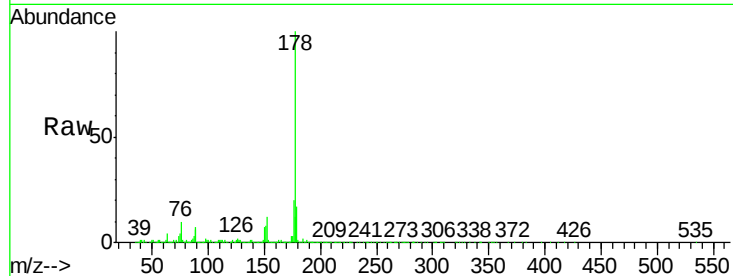
#69
 Phenanthrene
 Concen: 7.94 ng/ul
 RT: 17.59 min Scan# 2512
 Delta R.T. 0.01 min
 Lab File: BG023618.D
 Acq: 11 Aug 2016 7:38

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS001-1218-01MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
179	16.6	12.9	19.3
176	19.7	15.8	23.8

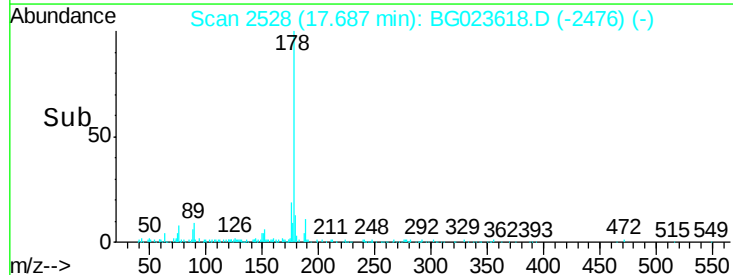
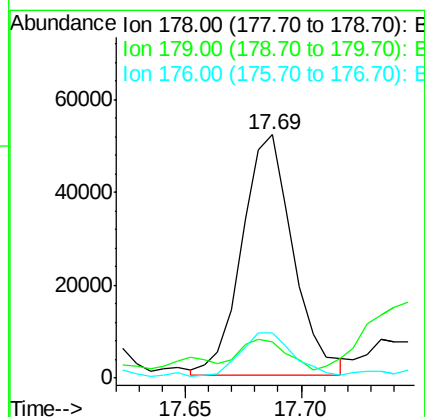
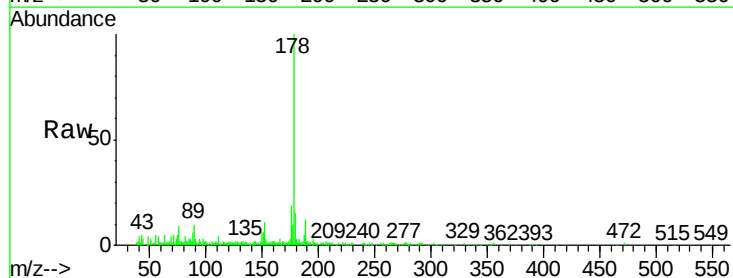
Manual Integrations
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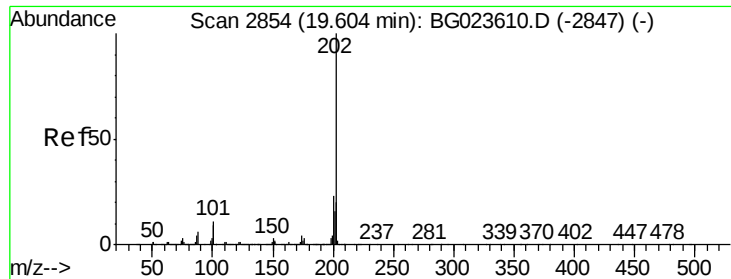
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#71
 Anthracene
 Concen: 1.09 ng/ul
 RT: 17.69 min Scan# 2528
 Delta R.T. 0.01 min
 Lab File: BG023618.D
 Acq: 11 Aug 2016 7:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
179	14.8	12.3	18.5
176	18.7	16.3	24.5





#74

Fluoranthene

Concen: 12.73 ng/ul m

RT: 19.61 min Scan# 2855

Delta R.T. 0.01 min

Lab File: BG023618.D

Acq: 11 Aug 2016 7:38

Instrument :

BNA_G

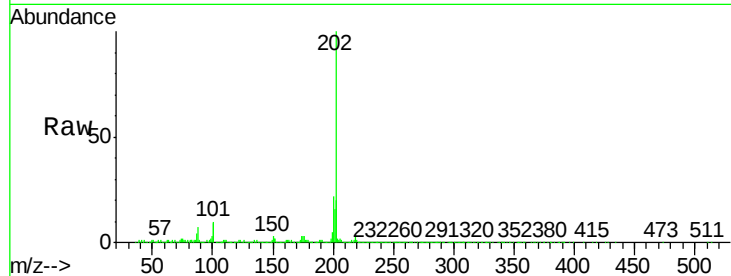
ClientSampleId :

P002-SS001-1218-01MSD

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	934056		
101	10.1	10.6	16.0#	
100	9.4	8.7	13.1	

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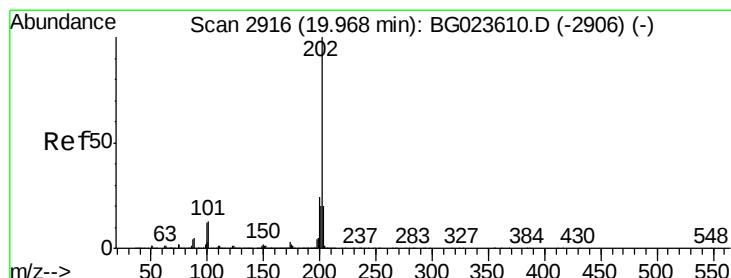
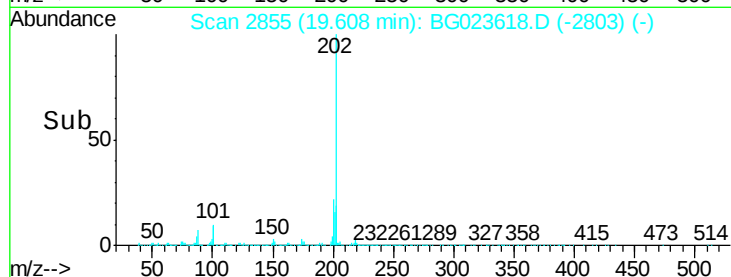
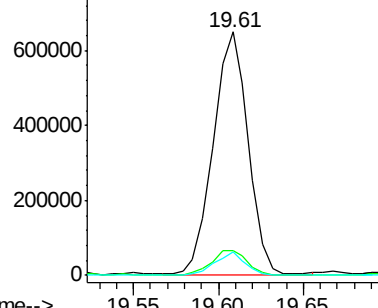
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 35.63 ng/ul

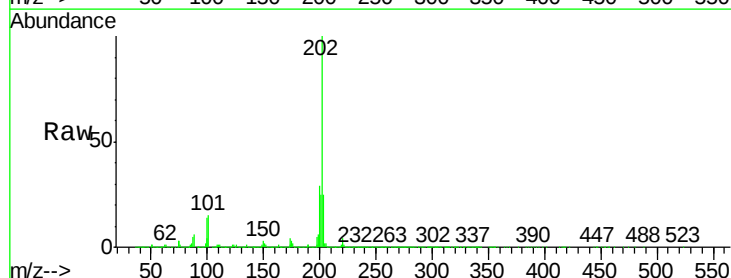
RT: 19.98 min Scan# 2918

Delta R.T. 0.01 min

Lab File: BG023618.D

Acq: 11 Aug 2016 7:38

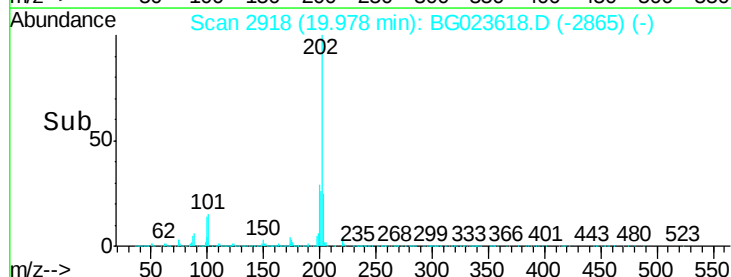
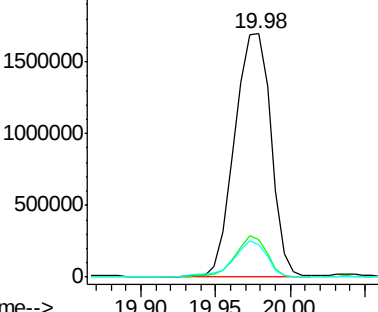
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2868558		
101	15.4	12.5	18.7	
100	13.6	10.2	15.4	

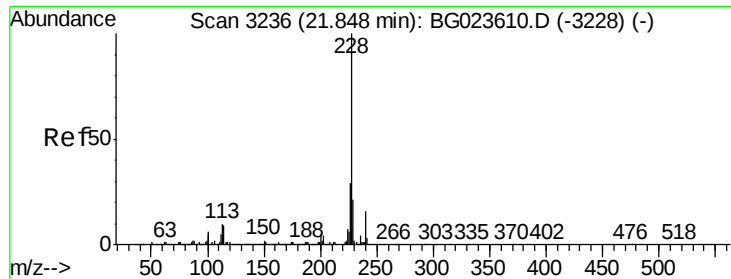


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 7.55 ng/ul m

RT: 21.85 min Scan# 3237

Delta R.T. 0.01 min

Lab File: BG023618.D

Acq: 11 Aug 2016 7:38

Instrument :

BNA_G

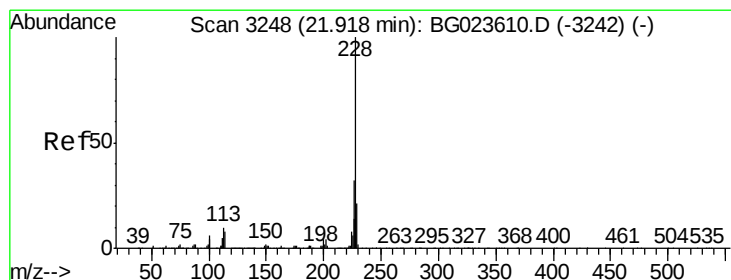
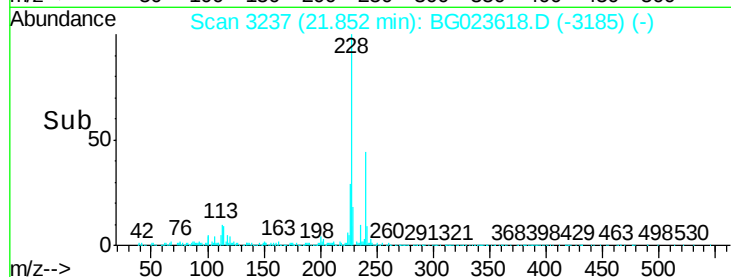
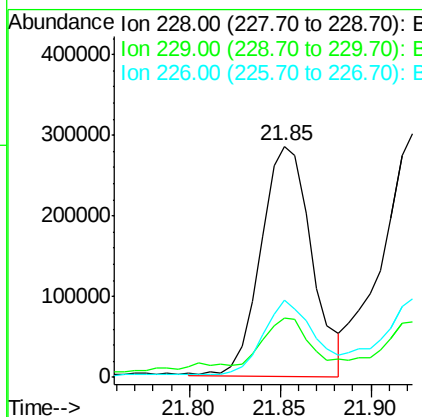
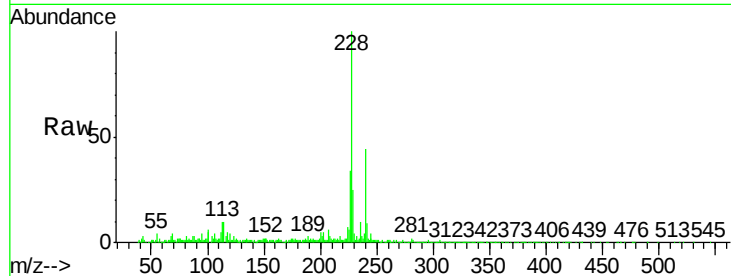
ClientSampleId :

P002-SS001-1218-01MSD

Tgt	Ion	Ratio	Lower	Upper
228	100			
229	25.5	15.4	23.2#	
226	33.5	22.8	34.2	

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#82

Chrysene

Concen: 8.87 ng/ul

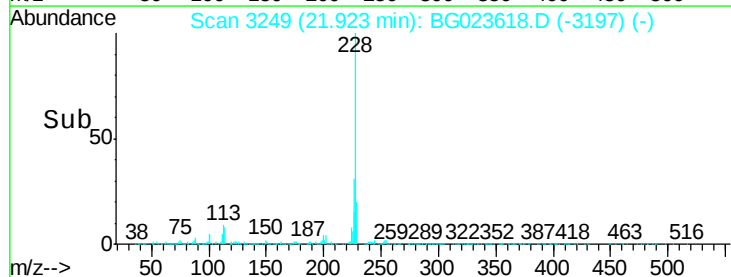
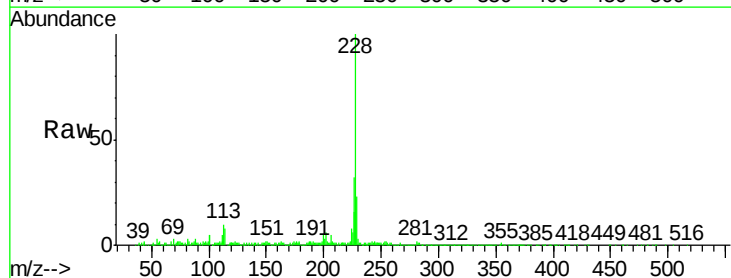
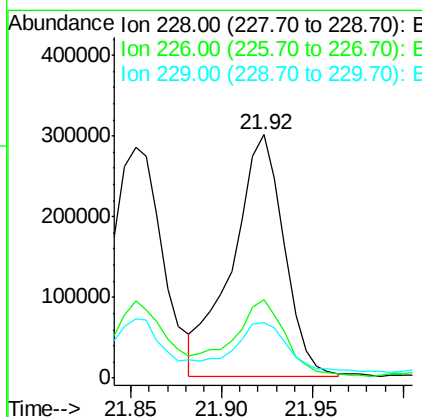
RT: 21.92 min Scan# 3249

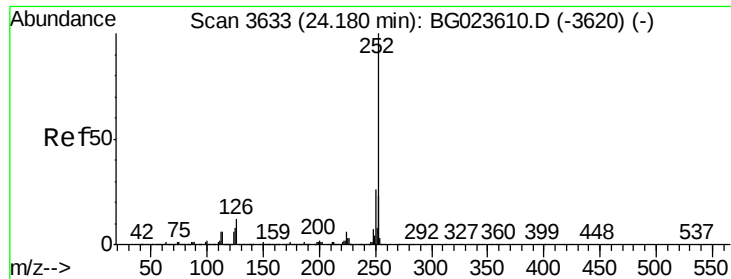
Delta R.T. 0.01 min

Lab File: BG023618.D

Acq: 11 Aug 2016 7:38

Tgt	Ion	Ratio	Lower	Upper
228	100			
226	32.2	24.2	36.4	
229	22.7	15.0	22.6#	





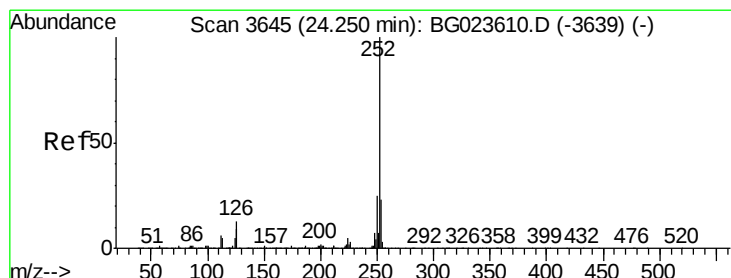
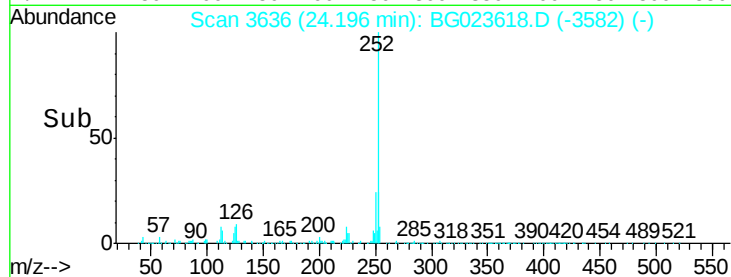
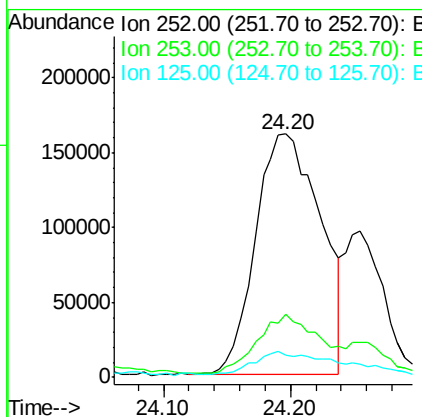
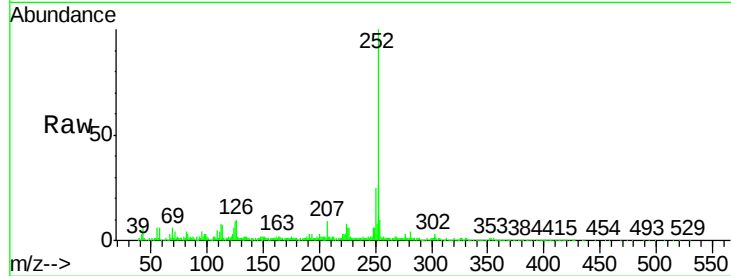
#85
Benzo(b)fluoranthene
Concen: 7.50 ng/ul
RT: 24.20 min Scan# 3636
Delta R.T. 0.02 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.2	27.2
125	9.0	10.8	16.2

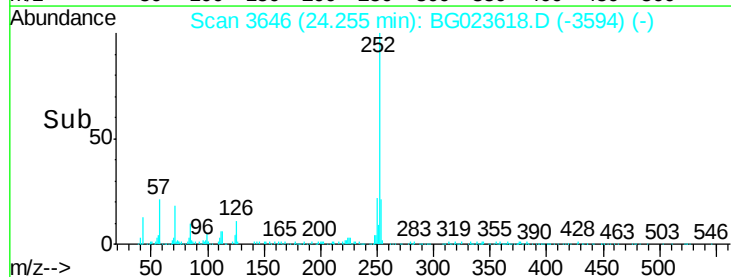
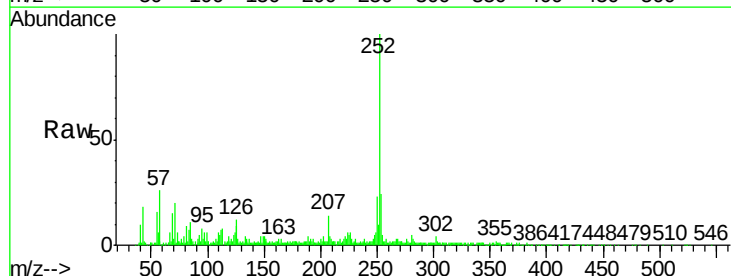
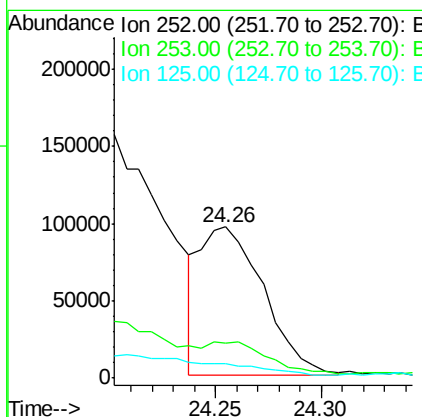
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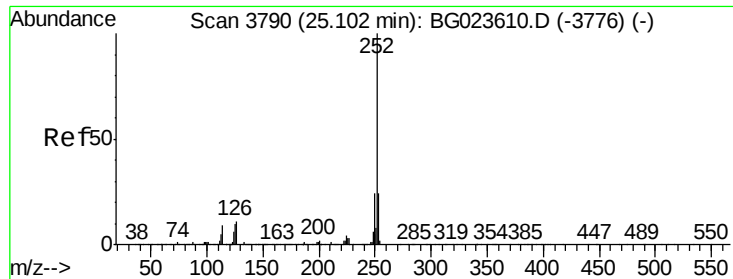
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#86
Benzo(k)fluoranthene
Concen: 2.63 ng/ul
RT: 24.26 min Scan# 3646
Delta R.T. 0.01 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	15.8	23.6
125	9.3	10.6	16.0





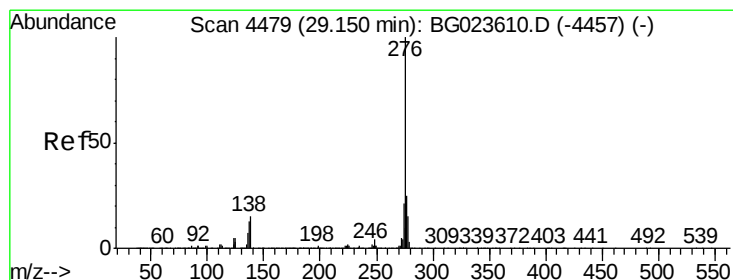
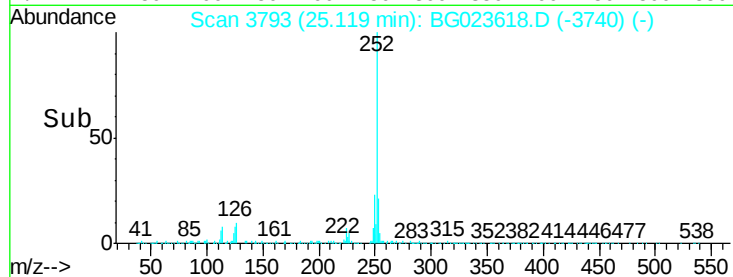
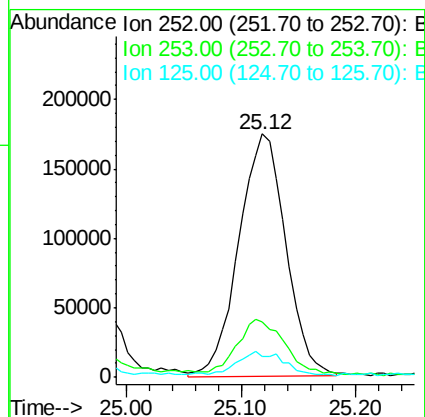
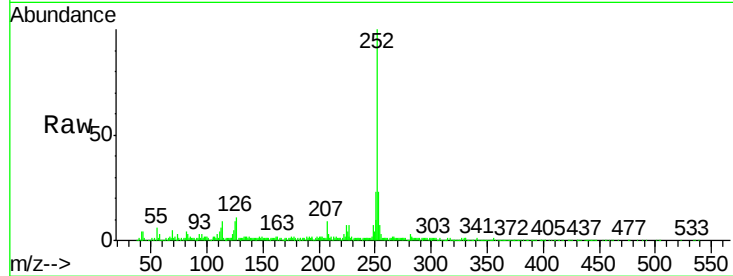
#88
Benzo(a)pyrene
Concen: 6.72 ng/ul m
RT: 25.12 min Scan# 3793
Delta R.T. 0.01 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MSD

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.6	19.0	28.4
125	8.8	12.0	18.0

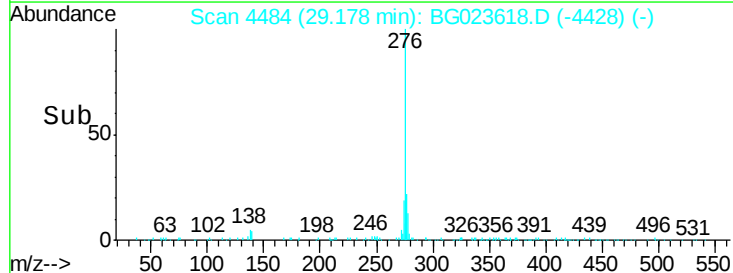
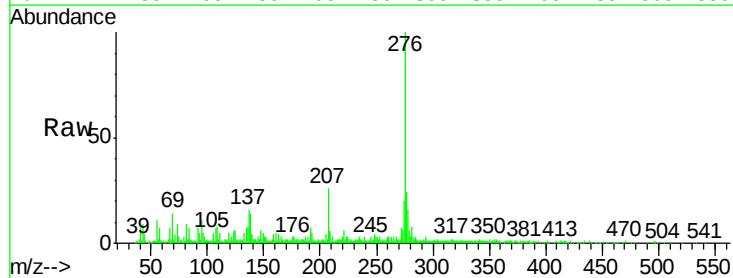
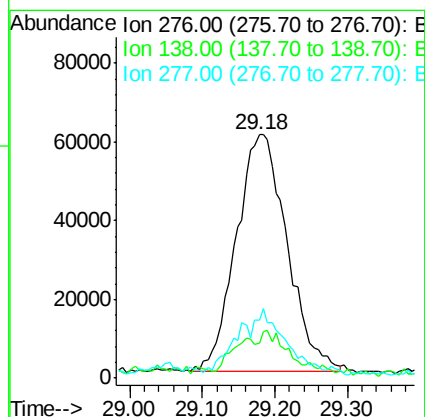
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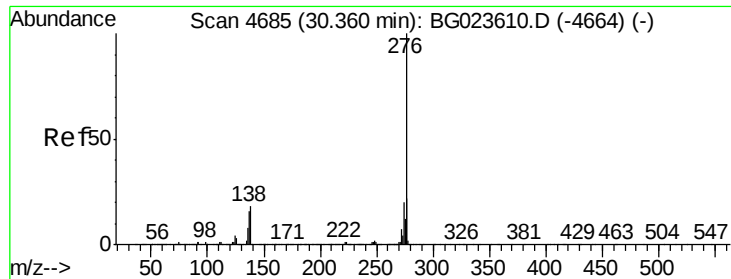
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#89
Indeno(1,2,3-cd)pyrene
Concen: 3.38 ng/ul
RT: 29.18 min Scan# 4484
Delta R.T. 0.03 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	14.3	20.8	31.2
277	23.8	17.6	26.4





#91

Benzo(g,h,i)perylene

Concen: 4.32 ng/ul m

RT: 30.41 min Scan# 4693

Delta R.T. 0.04 min

Lab File: BG023618.D

Acq: 11 Aug 2016 7:38

Instrument :

BNA_G

ClientSampleId :

P002-SS001-1218-01MSD

Tgt	Ion	276	Resp	311097
Ion	Ratio	100	Lower	Upper
276	100			
138	15.9	22.1	33.1#	
277	25.3	17.0	25.4	

Manual Integrations
APPROVED

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