

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
 Data File : BG023617.D
 Acq On : 11 Aug 2016 7:00
 Operator : UM/SJ
 Sample : H4384-21MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Aug 11 08:31:20 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	192302	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	918506	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	640096	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.54	188	1345952	20.00	ng/ul	0.00
75) Chrysene-d12	21.87	240	1304391	20.00	ng/ul	0.00
83) Perylene-d12	25.27	264	1318085	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	15389	3.40	ng/uL	0.00
5) Phenol-d5	7.26	99	414584	21.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	255021	20.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	284287	21.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.82	113	316097	20.90	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	162115m	22.39	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	189893	22.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	379781	24.21	ng/ul	0.00
29) 4-Chloroaniline-d4	11.08	131	344331m	18.71	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	1326856	25.32	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	1518281	25.74	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	220804	24.68	ng/ul	0.00
57) Fluorene-d10	15.78	176	1211360	25.02	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	233187	27.00	ng/ul	0.00
70) Anthracene-d10	17.64	188	1717167	28.32	ng/ul	0.00
76) Pyrene-d10	19.94	212	1810006	27.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.03	264	1779426	29.83	ng/ul	0.01

Target Compounds

					Qvalue	
6) Phenol	7.29	94	455170	22.56	ng/ul#	76
10) 2-Chlorophenol	7.67	128	294465	21.88	ng/ul#	85
15) N-Nitroso-di-n-propylamine	8.92	70	318302	21.81	ng/ul#	90
33) 4-Chloro-3-methylphenol	12.23	107	537329	26.40	ng/ul	85
44) Dimethylphthalate	14.23	163	763302	14.71	ng/ul	98
47) Acenaphthylene	14.51	152	71173	1.15	ng/ul	98
49) Acenaphthene	14.85	153	1115587	26.54	ng/ul	94
52) 4-Nitrophenol	15.01	109	218569m	24.39	ng/ul	
54) 2,4-Dinitrotoluene	15.15	165	452068	26.52	ng/ul#	70
68) Pentachlorophenol	17.20	266	280403	30.91	ng/ul	91
69) Phenanthrene	17.59	178	573375	8.23	ng/ul	99
71) Anthracene	17.69	178	87261m	1.23	ng/ul	
74) Fluoranthene	19.61	202	939892m	13.17	ng/ul	
77) Pyrene	19.97	202	2871715	35.61	ng/ul	98
80) Benzo(a)anthracene	21.85	228	570893m	7.77	ng/ul	
82) Chrysene	21.92	228	620148	9.28	ng/ul#	96
85) Benzo(b)fluoranthene	24.18	252	575717	7.68	ng/ul#	92
86) Benzo(k)fluoranthene	24.24	252	223561m	3.03	ng/ul	
88) Benzo(a)pyrene	25.11	252	507354m	7.01	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.15	276	303058	3.56	ng/ul#	85
91) Benzo(g,h,i)perylene	30.37	276	324508	4.60	ng/ul#	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

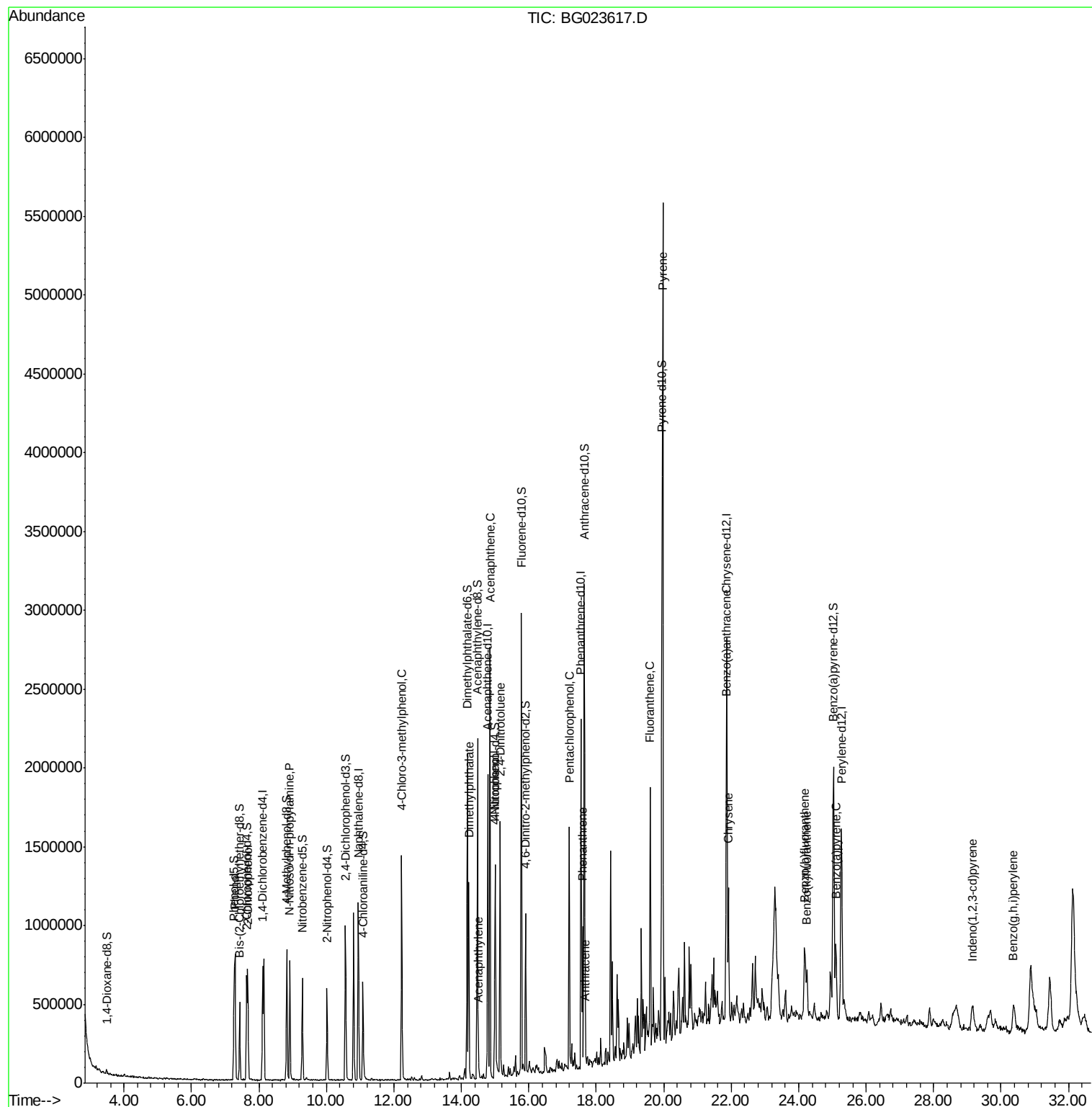
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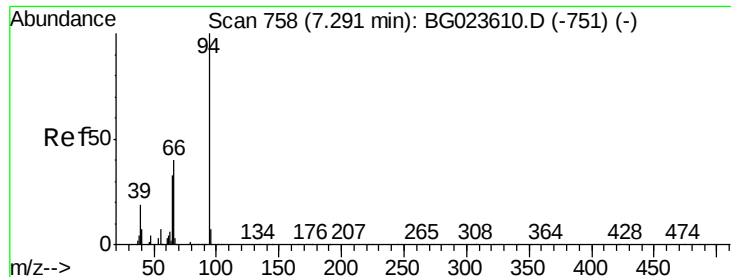
Instrument :
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ClientSampleId :
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#6

Phenol

Concen: 22.56 ng/ul

RT: 7.29 min Scan# 758

Delta R.T. 0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

Instrument :

BNA_G

ClientSampleId :

P002-SS001-1218-01MS

Tgt Ion: 94 Resp: 455170

Ion Ratio Lower Upper

94 100

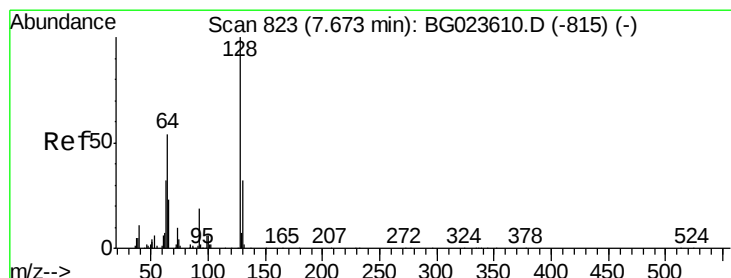
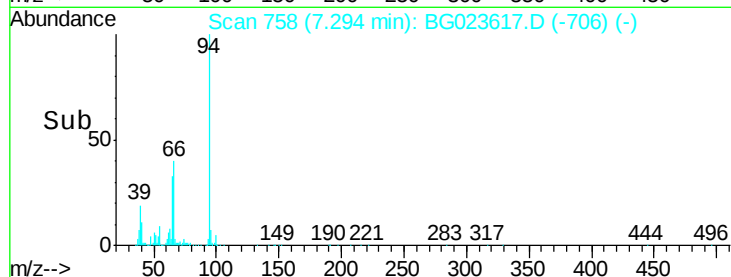
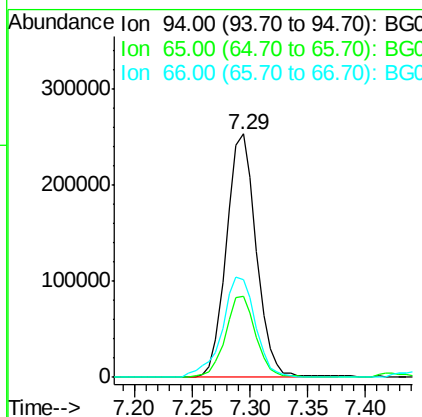
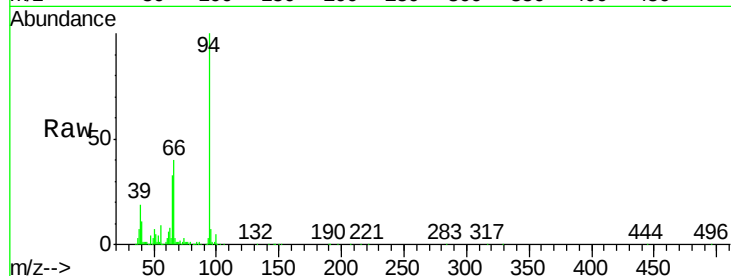
65 33.4 16.8 25.2#

66 40.3 22.6 33.8#

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#10

2-Chlorophenol

Concen: 21.88 ng/ul

RT: 7.67 min Scan# 822

Delta R.T. 0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

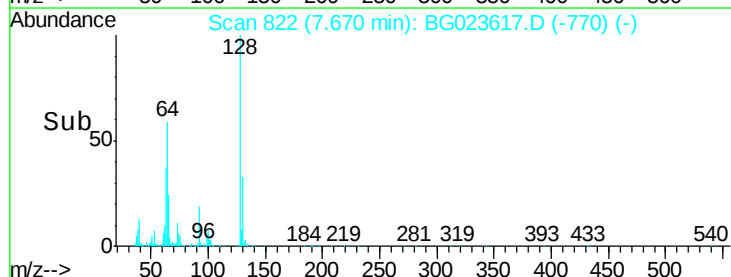
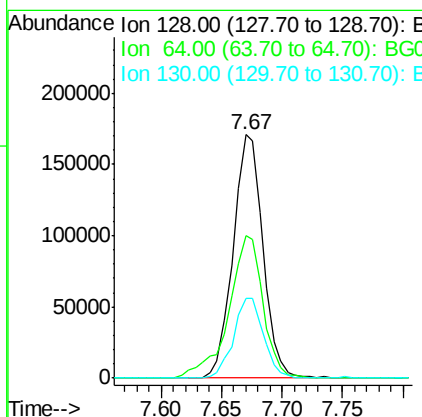
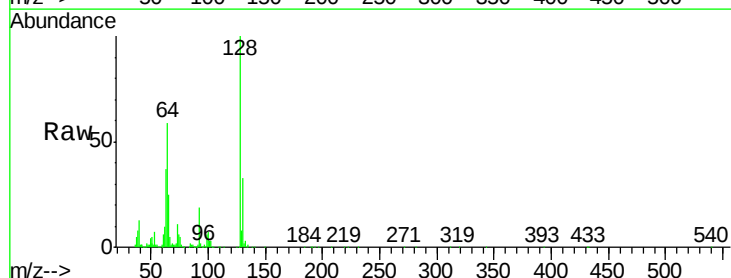
Tgt Ion: 128 Resp: 294465

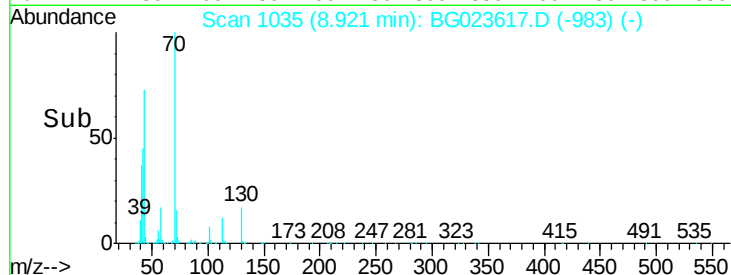
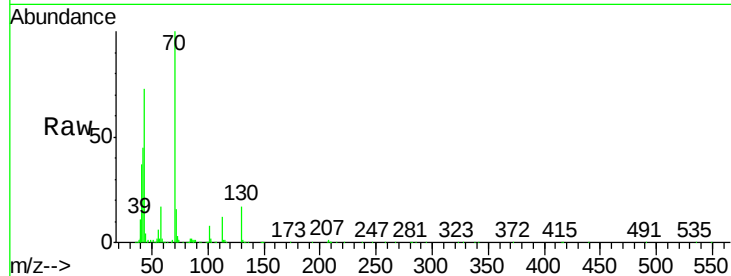
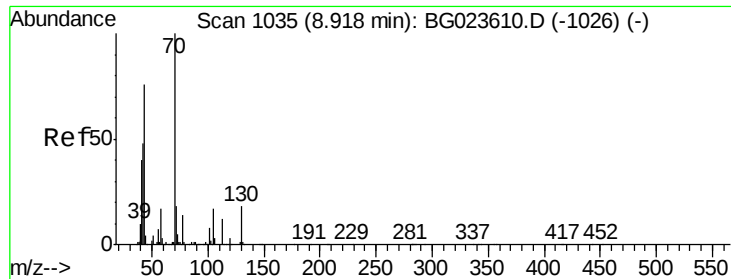
Ion Ratio Lower Upper

128 100

64 58.7 34.2 51.4#

130 32.8 27.0 40.4





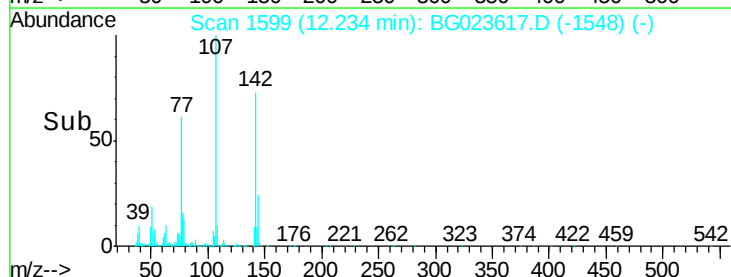
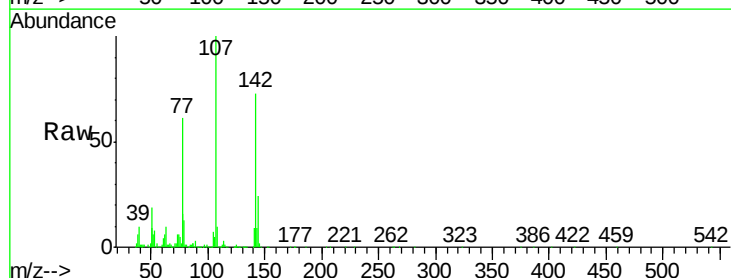
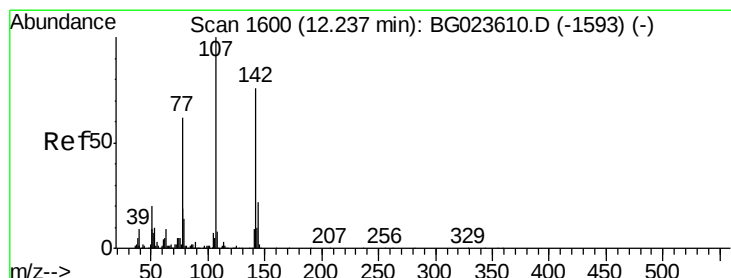
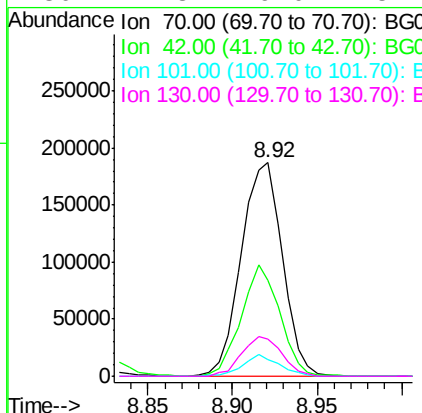
#15
N-Nitroso-di-n-propylamine
Concen: 21.81 ng/ul
RT: 8.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BG023617.D
Acq: 11 Aug 2016 7:00

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

Tgt Ion	Ion	Ratio	Lower	Upper
70	100			
42	45.2	31.4	47.2	
101	7.9	8.6	13.0	#
130	17.3	19.0	28.4	#

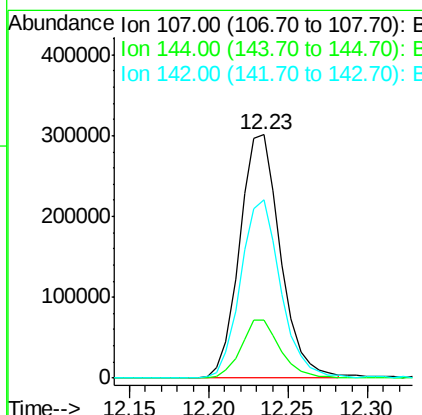
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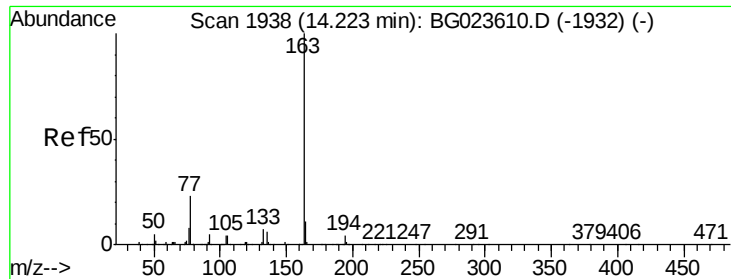
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#33
4-Chloro-3-methylphenol
Concen: 26.40 ng/ul
RT: 12.23 min Scan# 1599
Delta R.T. -0.00 min
Lab File: BG023617.D
Acq: 11 Aug 2016 7:00

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
144	23.9	22.7	34.1	
142	73.3	71.6	107.4	





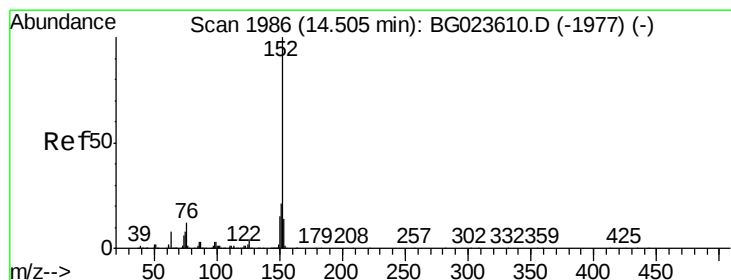
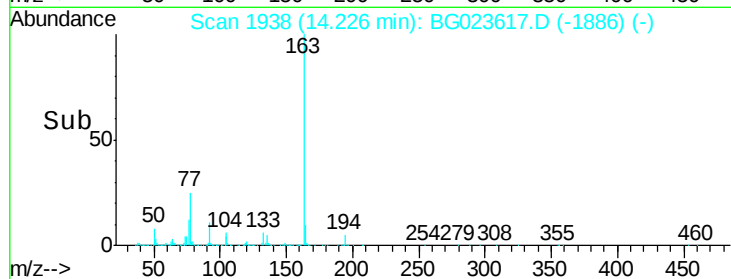
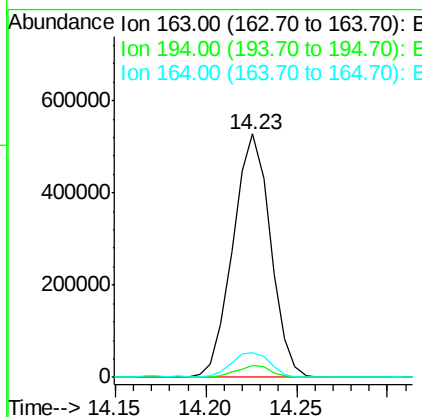
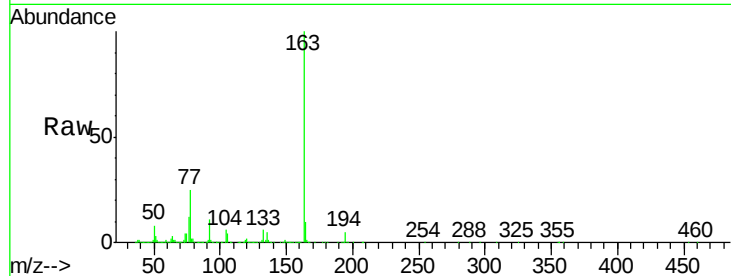
#44
Dimethylphthalate
Concen: 14.71 ng/ul
RT: 14.23 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BG023617.D
Acq: 11 Aug 2016 7:00

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.6	3.4	5.2
164	9.9	8.8	13.2

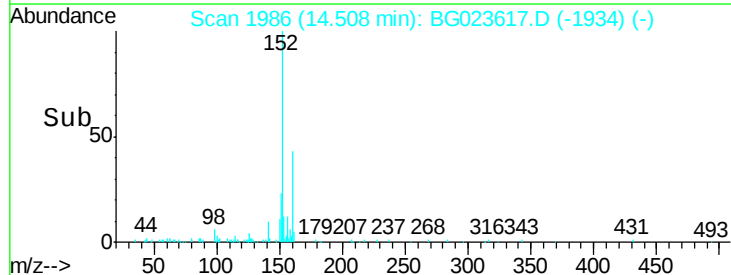
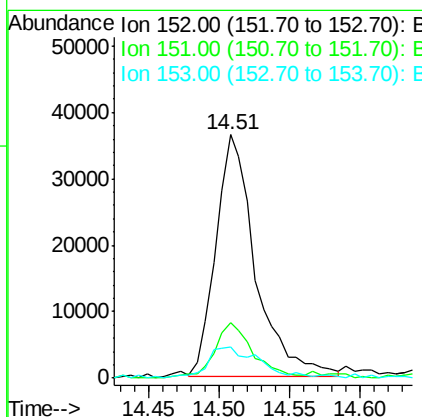
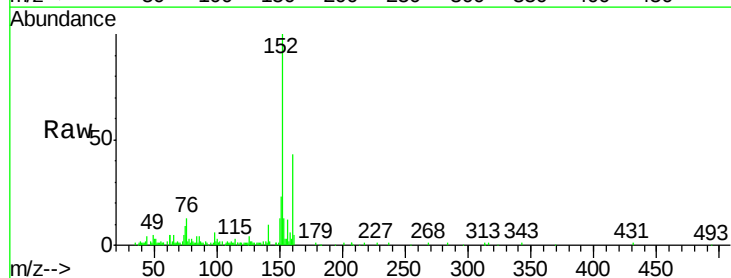
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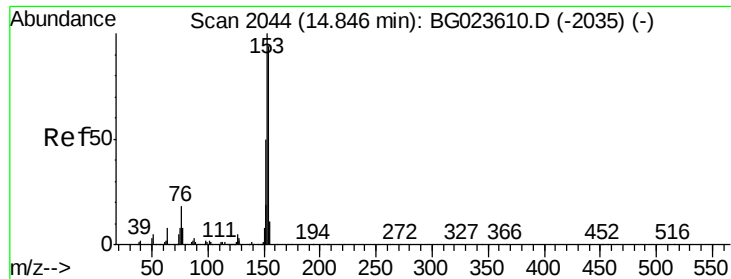
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#47
Acenaphthylene
Concen: 1.15 ng/ul
RT: 14.51 min Scan# 1986
Delta R.T. 0.00 min
Lab File: BG023617.D
Acq: 11 Aug 2016 7:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	23.0	17.5	26.3
153	13.0	11.1	16.7





#49

Acenaphthene

Concen: 26.54 ng/ul

RT: 14.85 min Scan# 2044

Delta R.T. 0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

Instrument :

BNA_G

ClientSampleId :

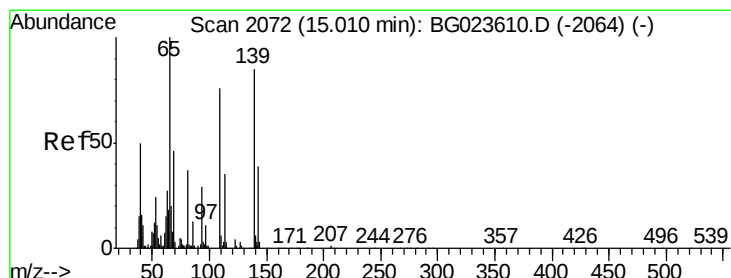
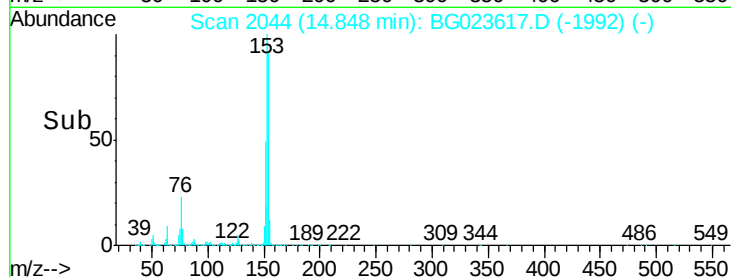
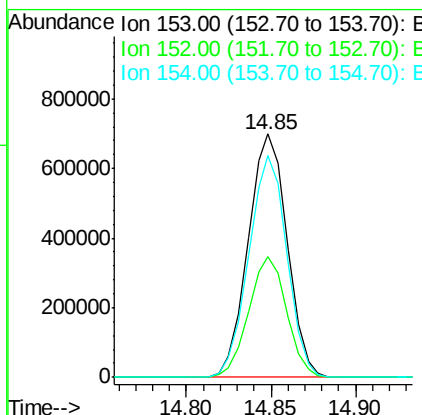
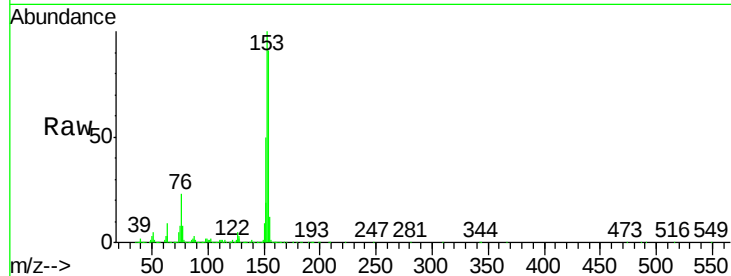
P002-SS001-1218-01MS

Tgt Ion:153 Resp: 1115587

Ion	Ratio	Lower	Upper
153	100		
152	49.8	37.3	55.9
154	90.9	68.2	102.2

Manual Integrations
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#52

4-Nitrophenol

Concen: 24.39 ng/ul m

RT: 15.01 min Scan# 2072

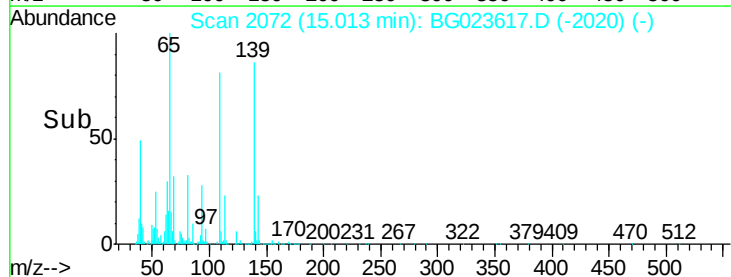
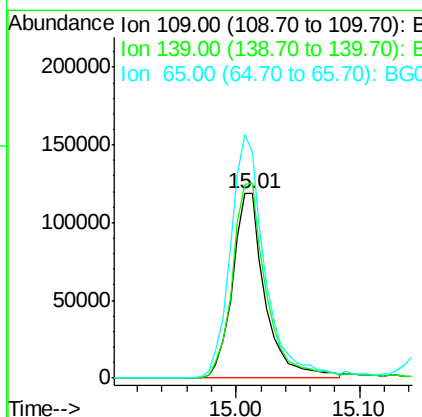
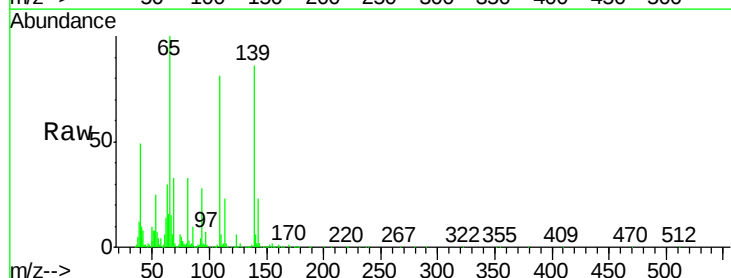
Delta R.T. 0.00 min

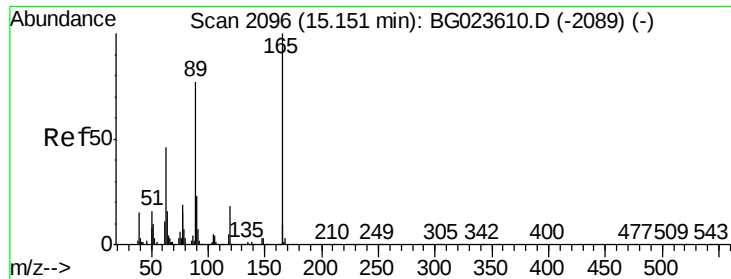
Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

Tgt Ion:109 Resp: 218569

Ion	Ratio	Lower	Upper
109	100		
139	105.5	136.1	204.1#
65	122.7	106.0	159.0





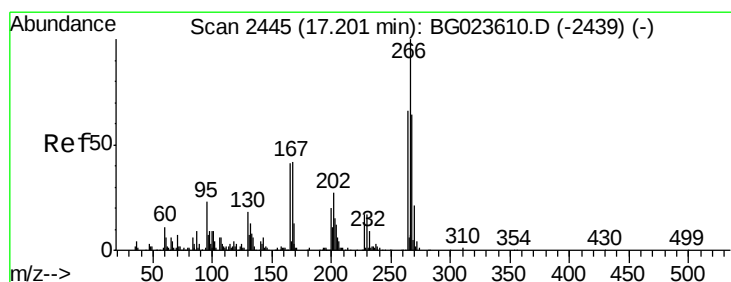
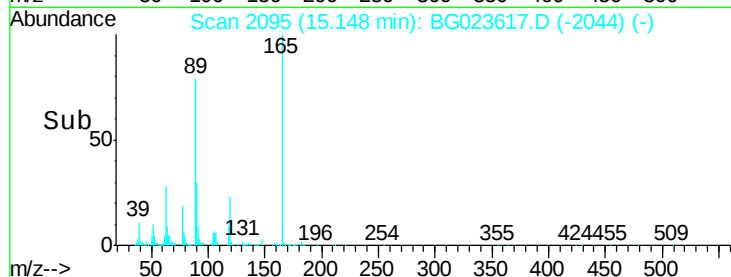
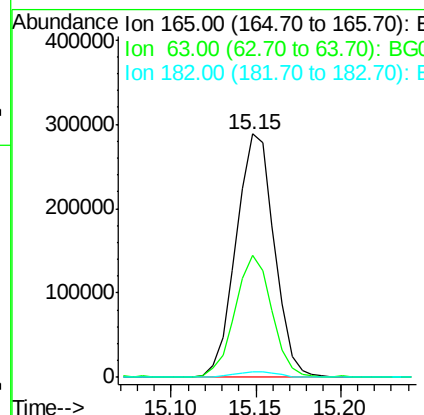
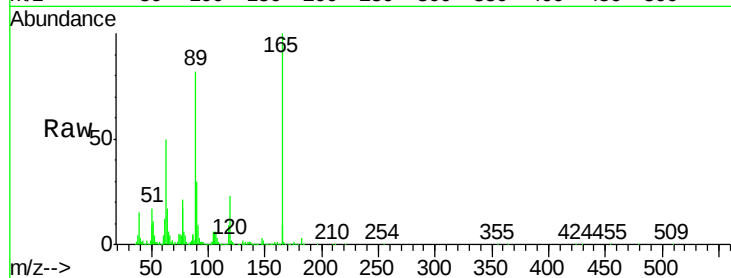
#54
2,4-Dinitrotoluene
Concen: 26.52 ng/ul
RT: 15.15 min Scan# 2095
Delta R.T. -0.00 min
Lab File: BG023617.D
Acq: 11 Aug 2016 7:00

Instrument :
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ClientSampleId :
P002-SS001-1218-01MS

Tgt Ion	Ratio	Resp Lower	Upper
165	100		
63	50.2	25.7	38.5#
182	2.5	2.1	3.1

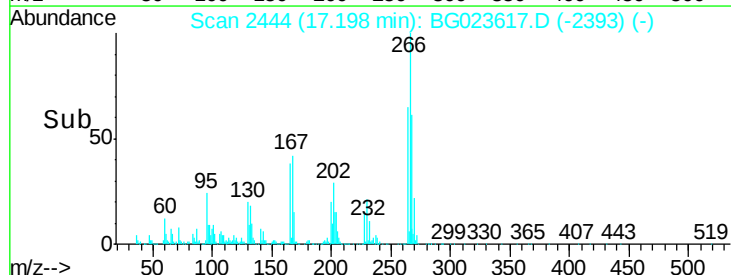
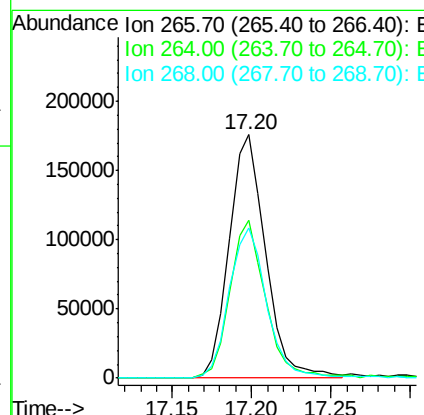
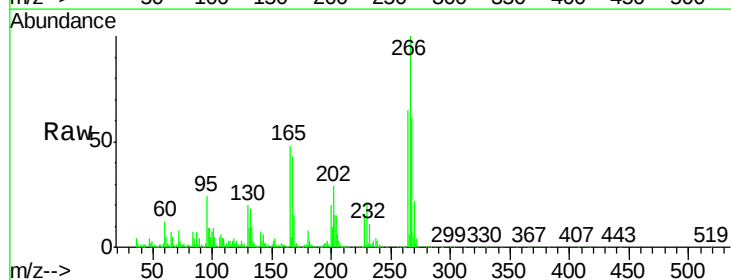
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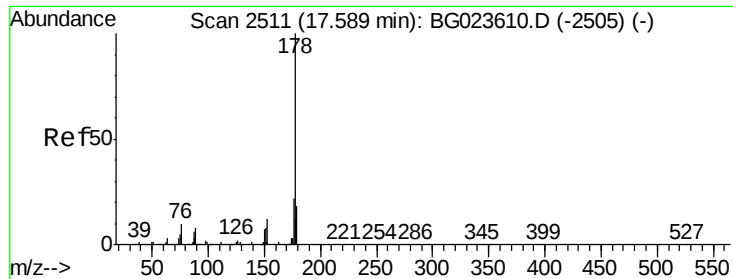
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#68
Pentachlorophenol
Concen: 30.91 ng/ul
RT: 17.20 min Scan# 2444
Delta R.T. -0.00 min
Lab File: BG023617.D
Acq: 11 Aug 2016 7:00

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
264	64.6	54.7	82.1
268	61.5	57.8	86.8





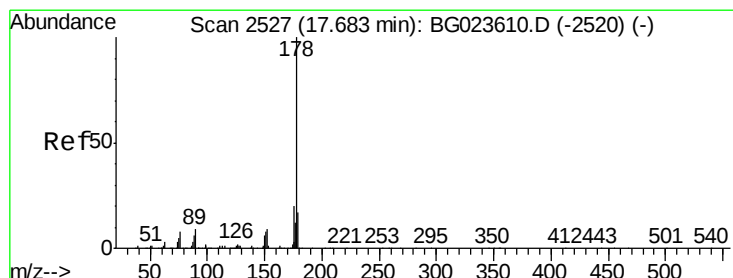
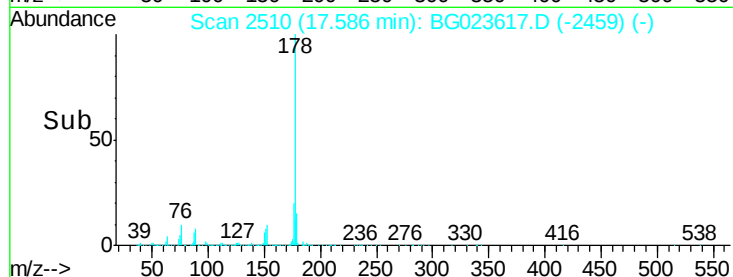
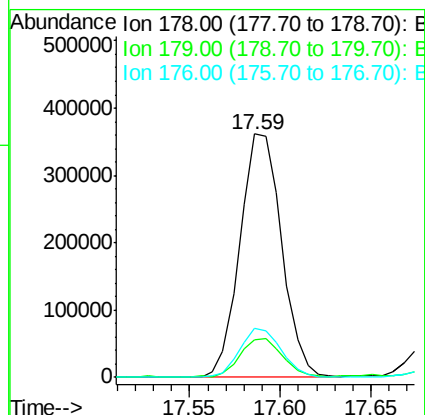
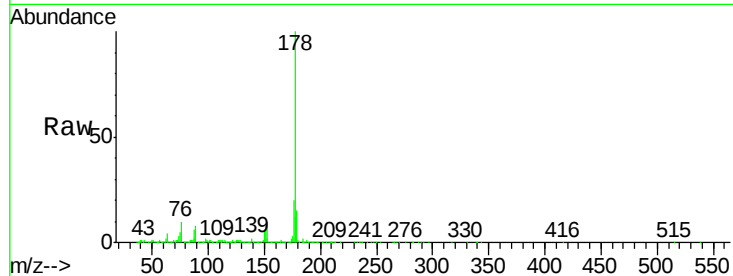
#69
Phenanthrene
Concen: 8.23 ng/ul
RT: 17.59 min Scan# 2510
Delta R.T. -0.00 min
Lab File: BG023617.D
Acq: 11 Aug 2016 7:00

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

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.9	19.3
176	20.2	15.8	23.8

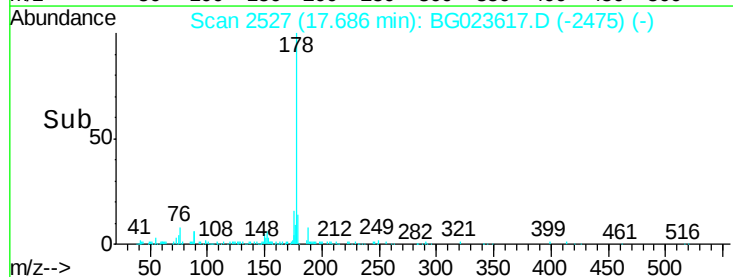
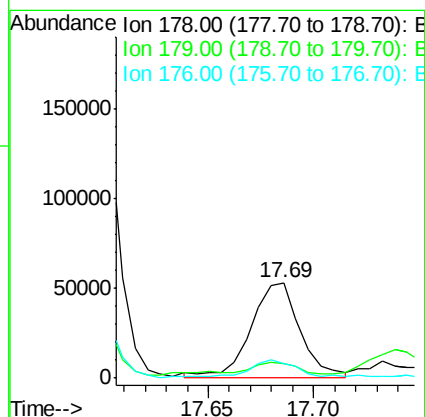
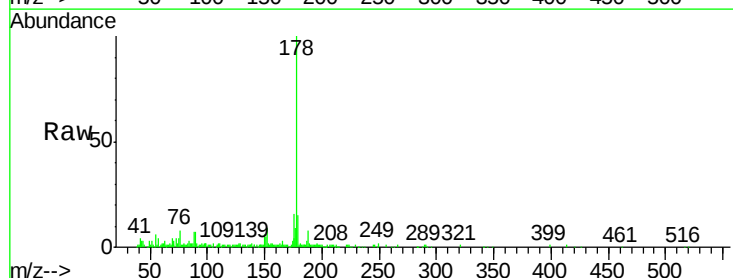
Manual Integrations
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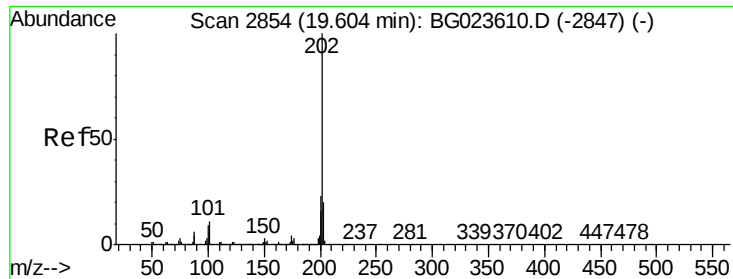
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#71
Anthracene
Concen: 1.23 ng/ul m
RT: 17.69 min Scan# 2527
Delta R.T. 0.00 min
Lab File: BG023617.D
Acq: 11 Aug 2016 7:00

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	15.6	16.3	24.5#





#74

Fluoranthene

Concen: 13.17 ng/ul m

RT: 19.61 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

Instrument :

BNA_G

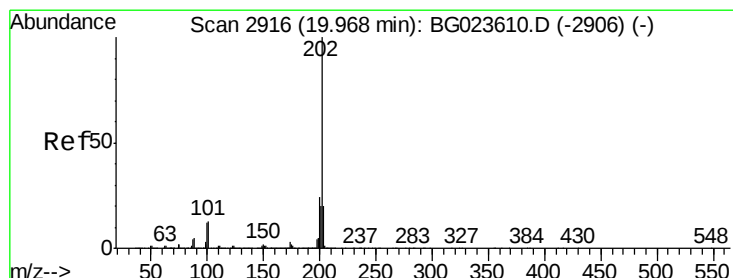
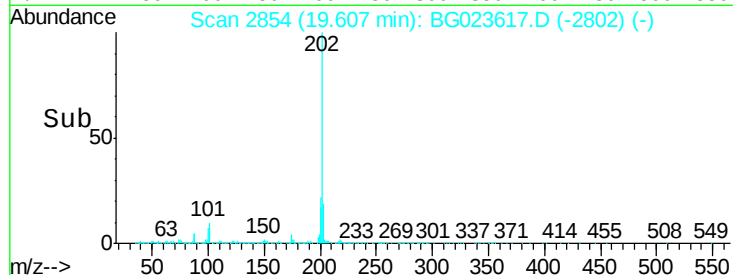
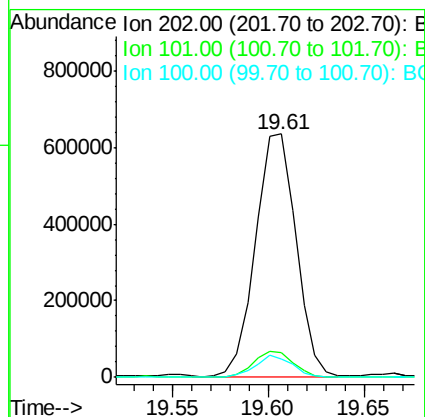
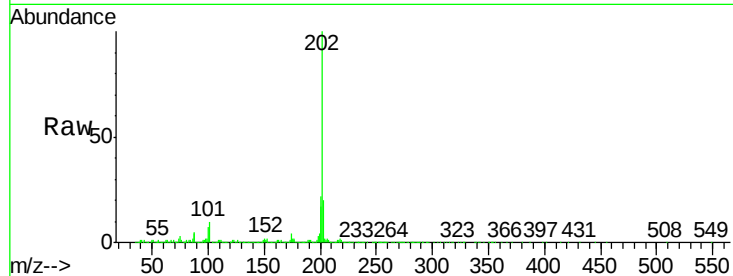
ClientSampleId :

P002-SS001-1218-01MS

Tgt Ion:	202	Resp:	939892
Ion Ratio	Lower	Upper	
202	100		
101	9.9	10.6	16.0#
100	7.4	8.7	13.1#

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#77

Pyrene

Concen: 35.61 ng/ul

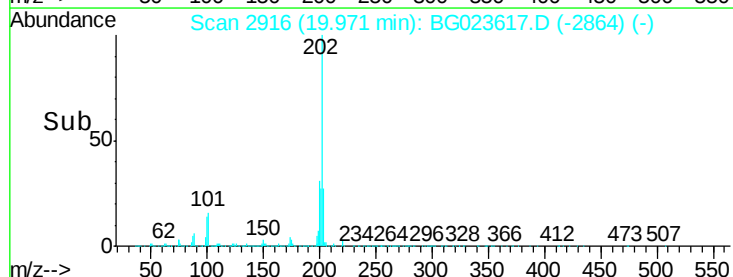
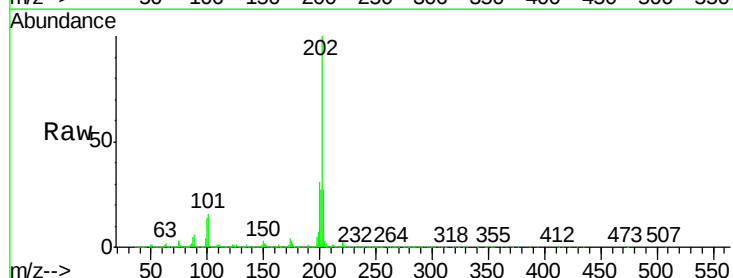
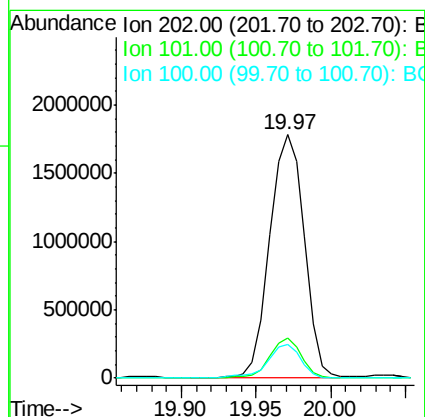
RT: 19.97 min Scan# 2916

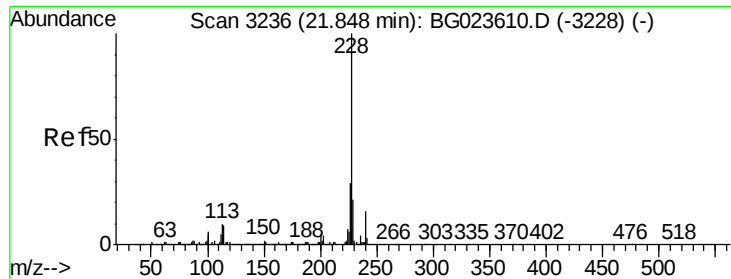
Delta R.T. 0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

Tgt Ion:	202	Resp:	2871715
Ion Ratio	Lower	Upper	
202	100		
101	16.3	12.5	18.7
100	14.1	10.2	15.4





#80

Benzo(a)anthracene

Concen: 7.77 ng/ul m

RT: 21.85 min Scan# 3236

Delta R.T. 0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

Instrument :

BNA_G

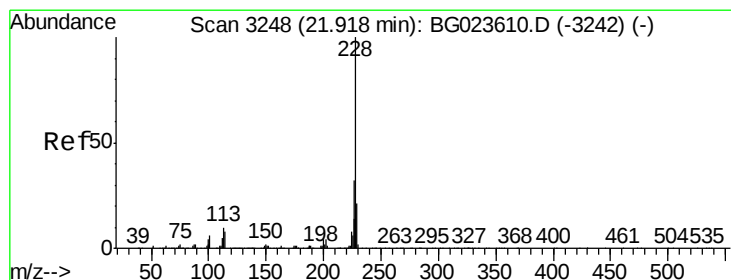
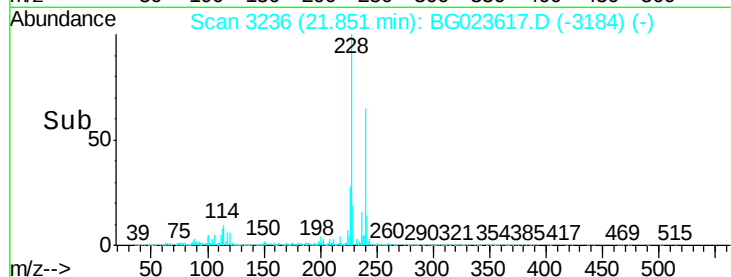
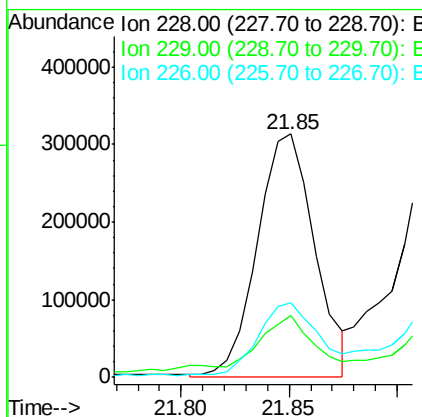
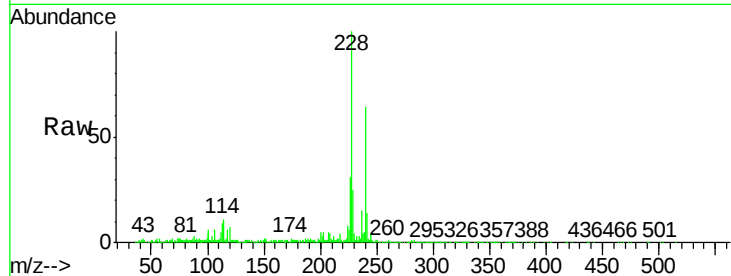
ClientSampleId :

P002-SS001-1218-01MS

Tgt	Ion	Ratio	Lower	Upper
228	100			
229	25.5	15.4	23.2#	
226	30.6	22.8	34.2	

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#82

Chrysene

Concen: 9.28 ng/ul

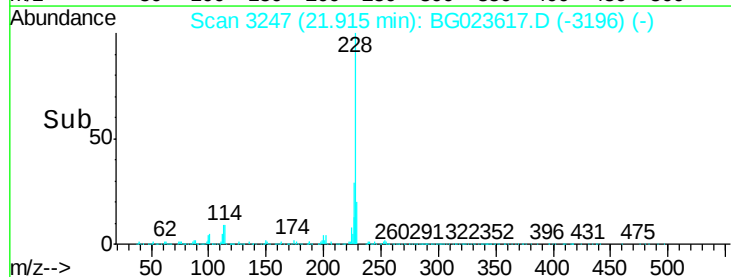
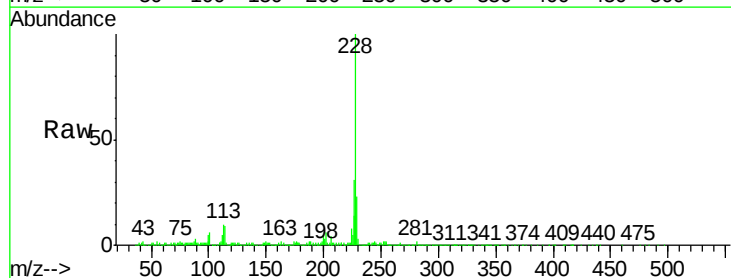
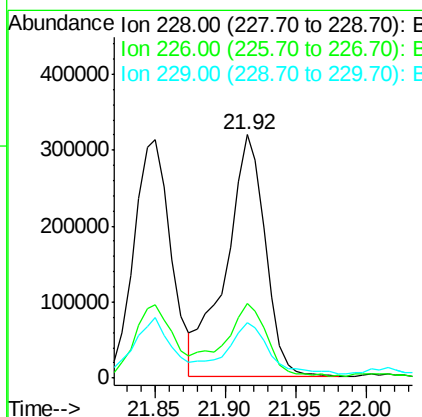
RT: 21.92 min Scan# 3247

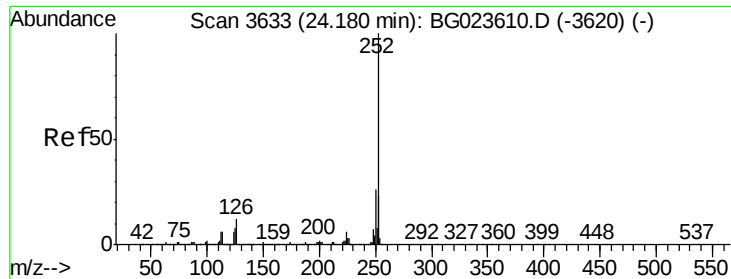
Delta R.T. -0.00 min

Lab File: BG023617.D

Acq: 11 Aug 2016 7:00

Tgt	Ion	Ratio	Lower	Upper
228	100			
226	30.6	24.2	36.4	
229	22.8	15.0	22.6#	





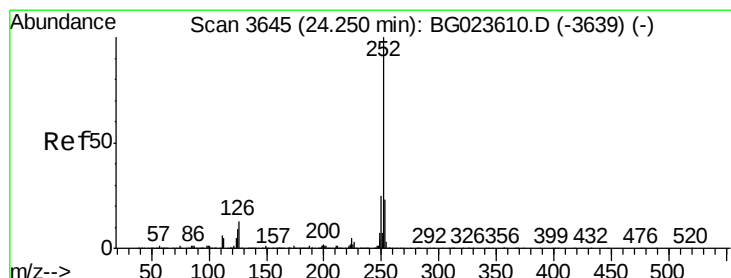
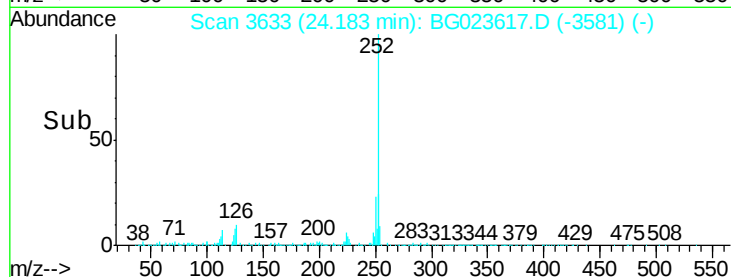
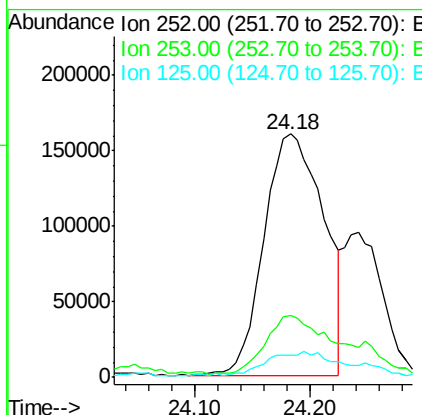
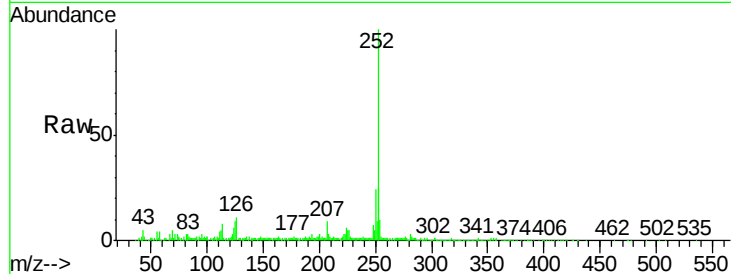
#85
Benzo(b)fluoranthene
Concen: 7.68 ng/ul
RT: 24.18 min Scan# 3633
Delta R.T. 0.00 min
Lab File: BG023617.D
Acq: 11 Aug 2016 7:00

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	25.4	18.2	27.2
125	8.9	10.8	16.2

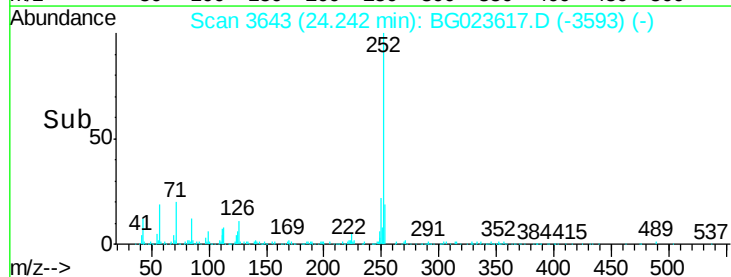
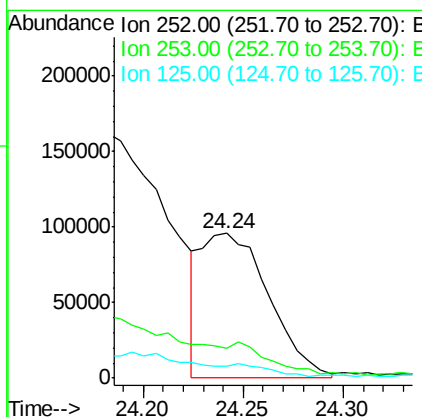
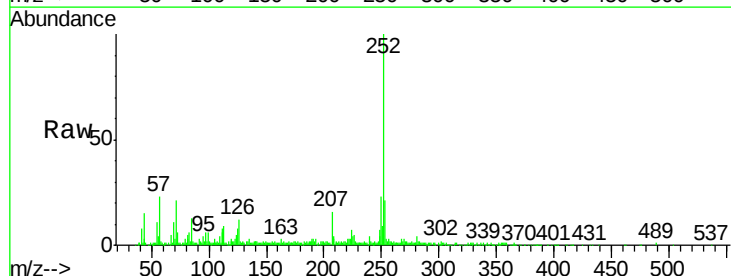
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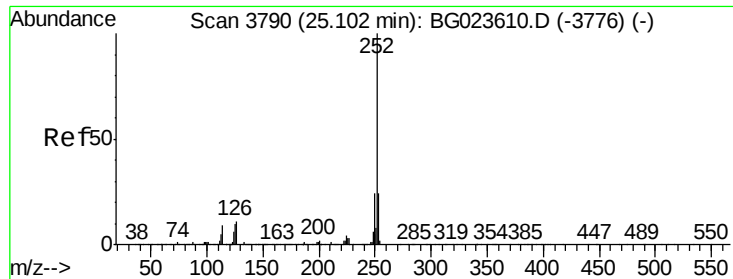
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#86
Benzo(k)fluoranthene
Concen: 3.03 ng/ul m
RT: 24.24 min Scan# 3643
Delta R.T. -0.01 min
Lab File: BG023617.D
Acq: 11 Aug 2016 7:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	20.7	15.8	23.6
125	8.2	10.6	16.0





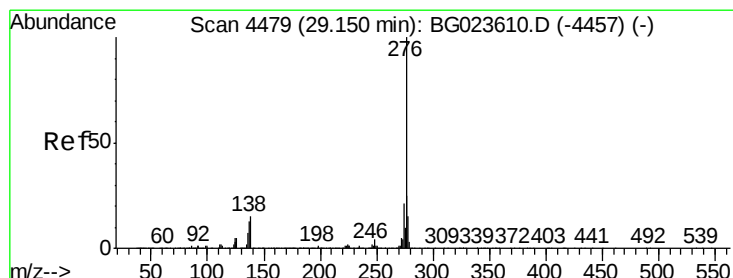
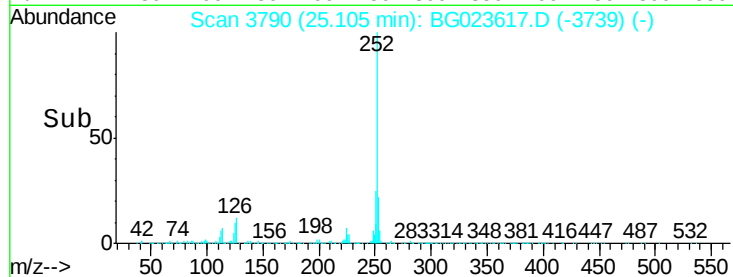
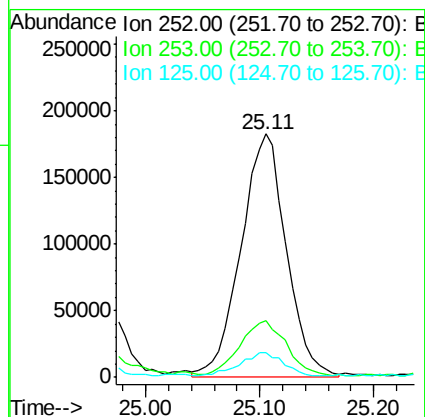
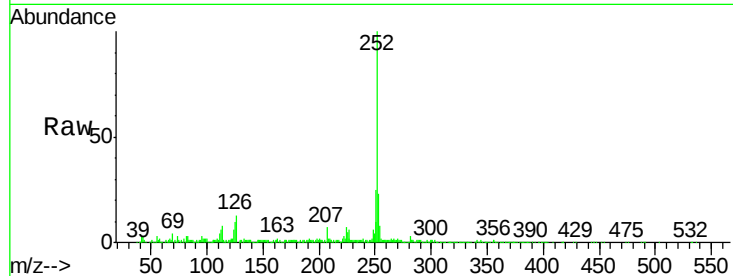
#88
Benzo(a)pyrene
Concen: 7.01 ng/ul m
RT: 25.11 min Scan# 3790
Delta R.T. -0.00 min
Lab File: BG023617.D
Acq: 11 Aug 2016 7:00

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

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.4	19.0	28.4
125	10.3	12.0	18.0#

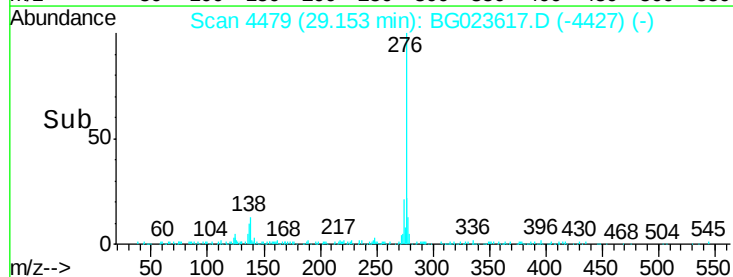
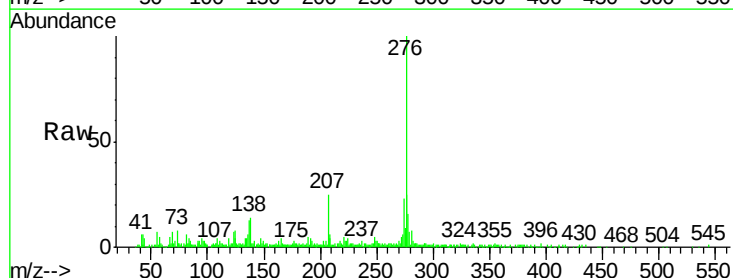
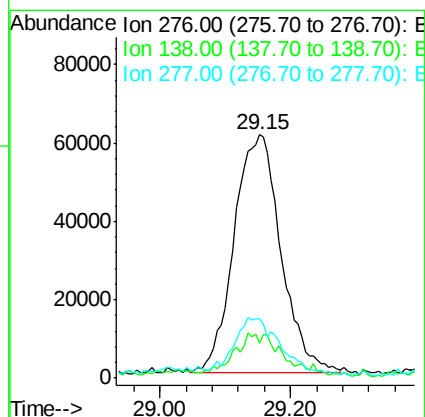
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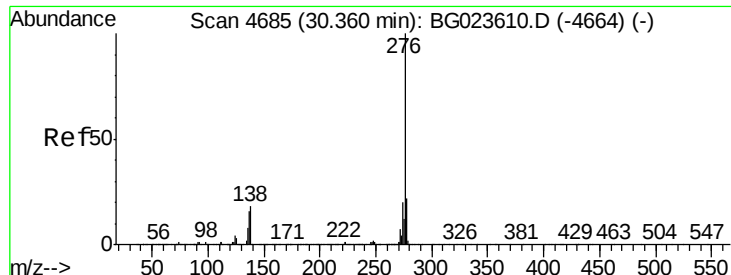
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#89
Indeno(1,2,3-cd)pyrene
Concen: 3.56 ng/ul
RT: 29.15 min Scan# 4479
Delta R.T. 0.00 min
Lab File: BG023617.D
Acq: 11 Aug 2016 7:00

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	14.2	20.8	31.2#
277	24.5	17.6	26.4





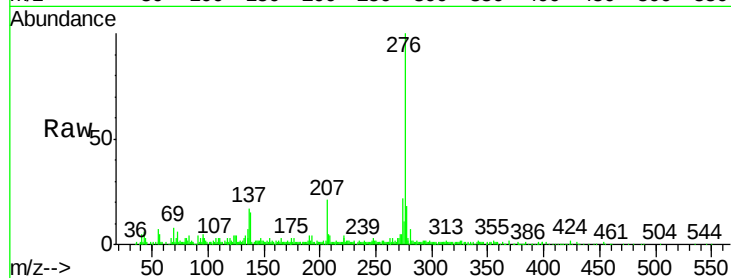
#91
 Benzo(g,h,i)perylene
 Concen: 4.60 ng/ul
 RT: 30.37 min Scan# 4686
 Delta R.T. -0.00 min
 Lab File: BG023617.D
 Acq: 11 Aug 2016 7:00

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

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	15.2	22.1	33.1#	
277	17.9	17.0	25.4	

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

