

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023673.D
 Acq On : 13 Aug 2016 2:00
 Operator : UM/SJ
 Sample : H4385-18
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P003-SS001-0206-01

Manual Integrations
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Quant Time: Aug 15 18:10:48 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 03:19:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	107907	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	499408	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	348061	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.55	188	770394	20.00	ng/ul	-0.01
75) Chrysene-d12	21.88	240	757493	20.00	ng/ul	-0.02
83) Perylene-d12	25.29	264	779862	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	8718	3.43	ng/uL	-0.01
5) Phenol-d5	7.27	99	227081	20.89	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	151533	21.76	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	161947	21.84	ng/ul	-0.02
13) 4-Methylphenol-d8	8.82	113	179261	21.12	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	91197	23.17	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.02	143	108406	23.98	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.57	165	186359	21.85	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.09	131	220537	22.04	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	655852	23.01	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	771541	24.06	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.01	143	85789	17.63	ng/ul	-0.01
57) Fluorene-d10	15.79	176	596341	22.65	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.92	200	86511	17.50	ng/ul	-0.02
70) Anthracene-d10	17.65	188	864800	24.92	ng/ul	-0.01
76) Pyrene-d10	19.95	212	888944	23.18	ng/ul	-0.01
87) Benzo(a)pyrene-d12	25.06	264	873180	24.74	ng/ul	-0.03

Target Compounds

					Qvalue
28) Naphthalene	11.00	128	39785	1.57 ng/ul	98
34) 2-Methylnaphthalene	12.61	142	87662	4.26 ng/ul	95
44) Dimethylphthalate	14.23	163	420241	14.89 ng/ul	98
47) Acenaphthylene	14.51	152	131151	3.91 ng/ul#	92
49) Acenaphthene	14.85	153	73981	3.24 ng/ul	95
58) Fluorene	15.84	166	199179m	7.06 ng/ul	
64) N-Nitrosodiphenylamine	16.04	169	22494	1.04 ng/ul#	65
69) Phenanthrene	17.60	178	2226988m	55.82 ng/ul	
71) Anthracene	17.69	178	367113	9.02 ng/ul	99
72) Carbazole	17.96	167	78762	2.40 ng/ul	92
74) Fluoranthene	19.62	202	2312529	56.62 ng/ul	96
77) Pyrene	19.98	202	2507460	53.55 ng/ul	98
80) Benzo(a)anthracene	21.86	228	1240135	29.07 ng/ul#	94
82) Chrysene	21.93	228	1242372	32.03 ng/ul#	92
85) Benzo(b)fluoranthene	24.21	252	1305884	29.44 ng/ul#	95
86) Benzo(k)fluoranthene	24.27	252	366435	8.39 ng/ul#	88
88) Benzo(a)pyrene	25.14	252	1034255m	24.15 ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.20	276	619963	12.32 ng/ul#	87
91) Benzo(g,h,i)perylene	30.43	276	571157	13.69 ng/ul#	87

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

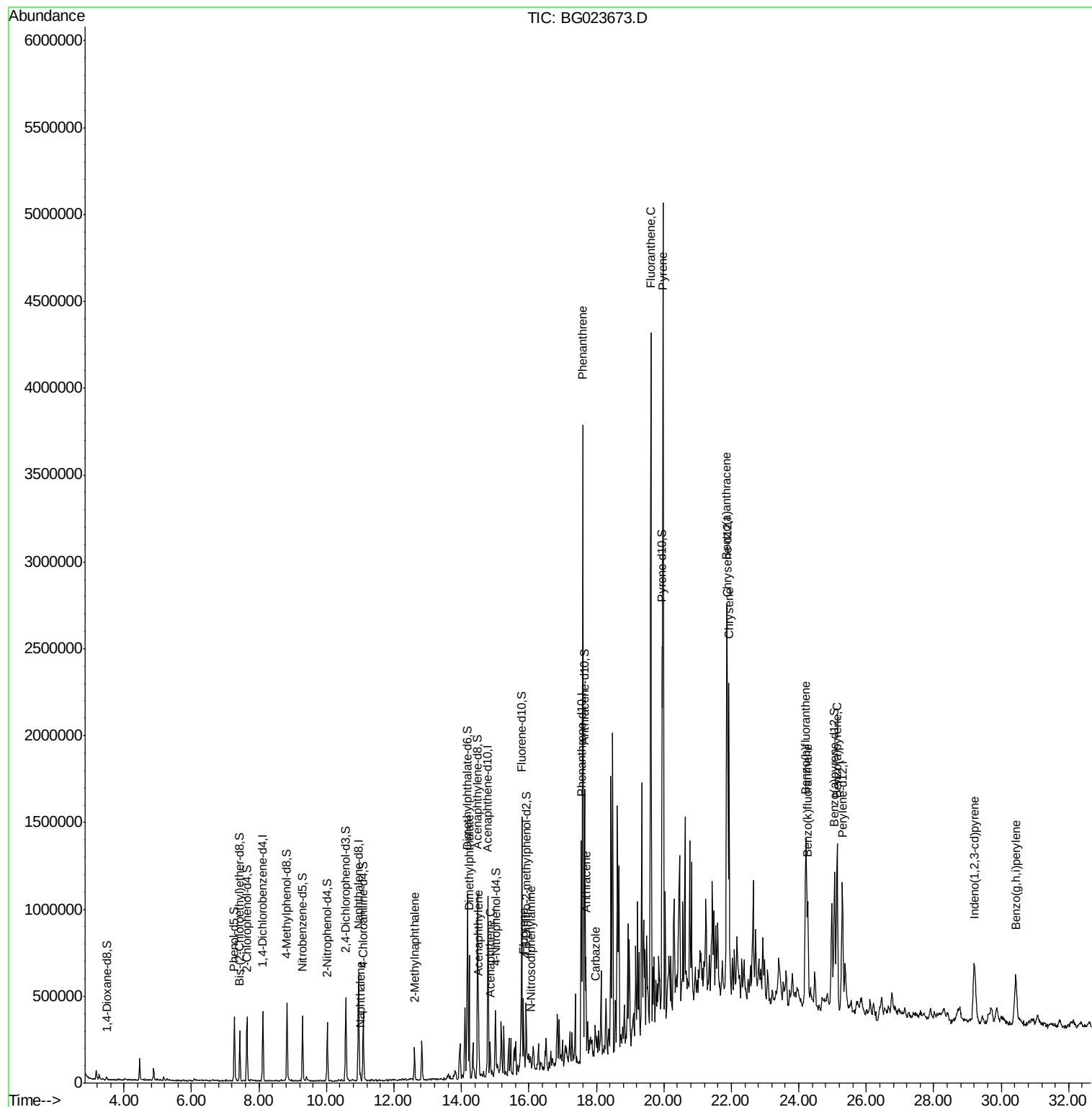
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023673.D
Acq On : 13 Aug 2016 2:00
Operator : UM/SJ
Sample : H4385-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

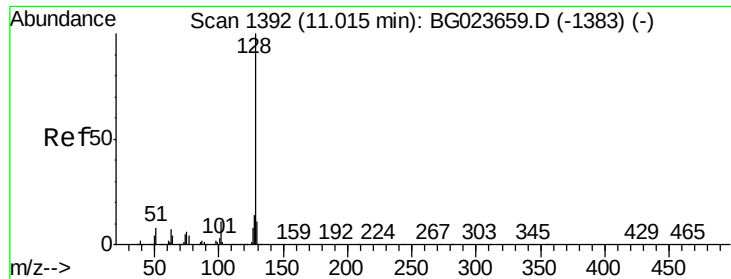
Instrument :
BNA_G
ClientSampleId :
P003-SS001-0206-01

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
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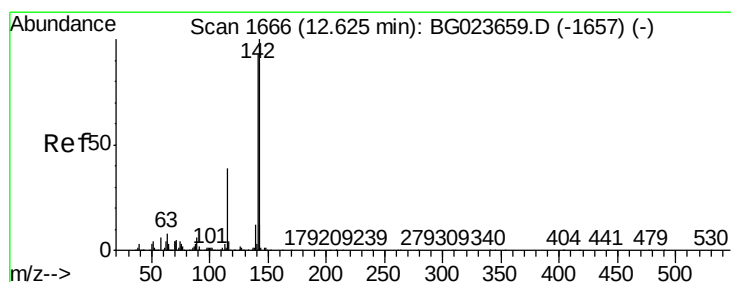
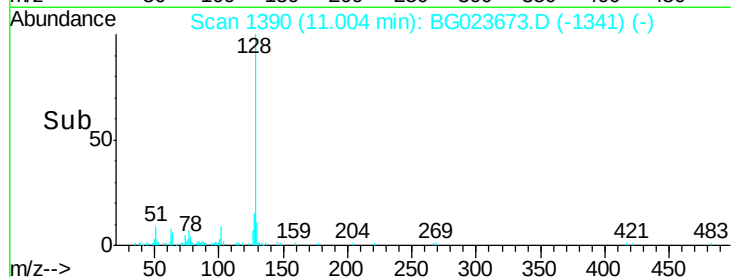
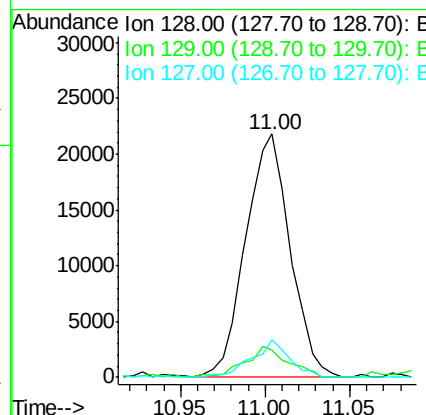
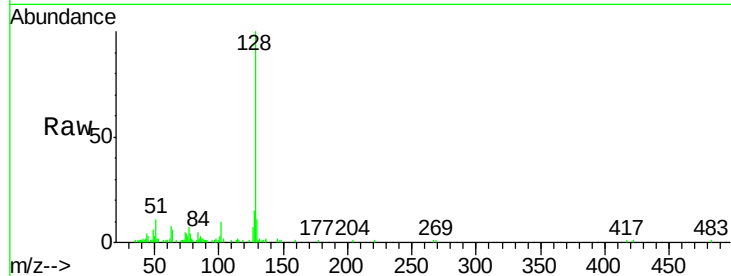
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Naphthalene
Concen: 1.57 ng/ul
RT: 11.00 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BG023673.D
Acq: 13 Aug 2016 2:00

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0206-01

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	11.2	9.4	14.2
127	15.2	11.2	16.8

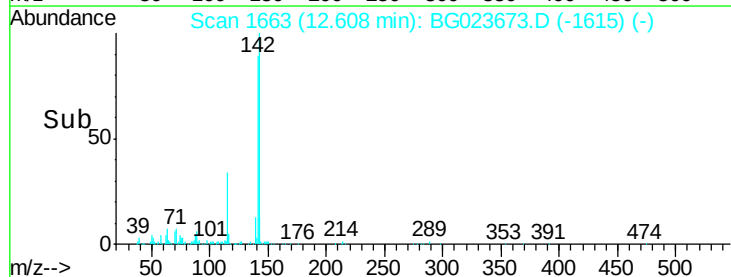
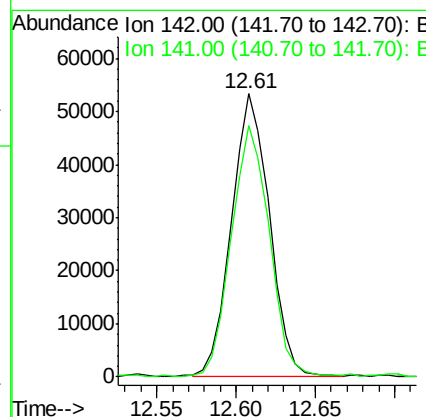
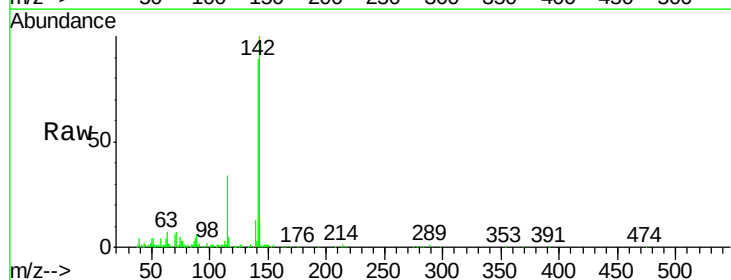
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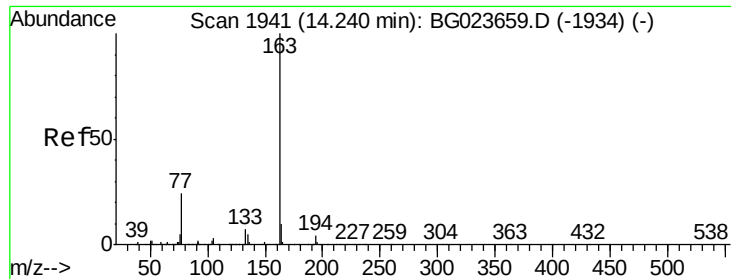
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#34
2-Methylnaphthalene
Concen: 4.26 ng/ul
RT: 12.61 min Scan# 1663
Delta R.T. -0.02 min
Lab File: BG023673.D
Acq: 13 Aug 2016 2:00

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
141	88.9	75.2	112.8





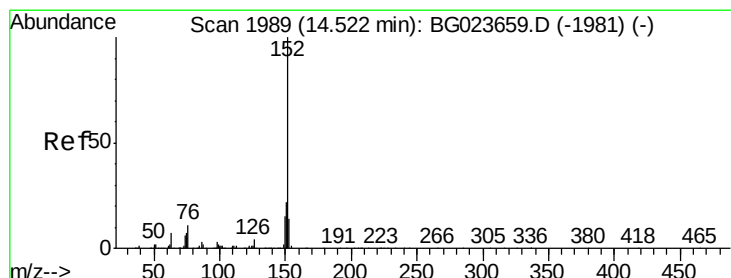
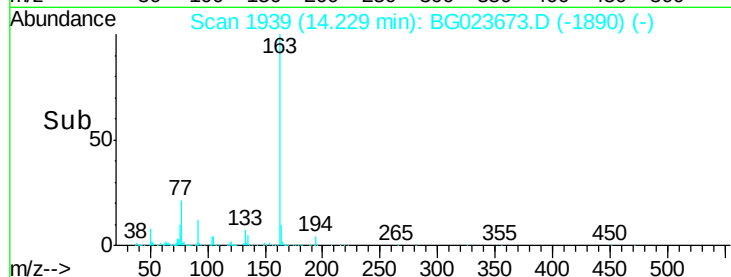
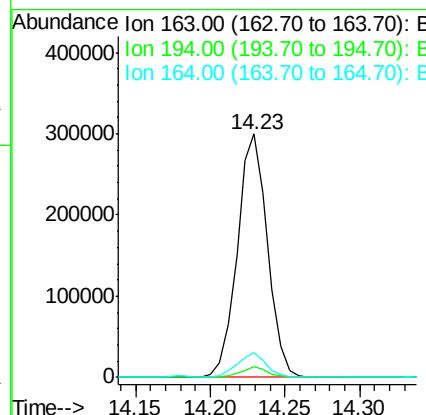
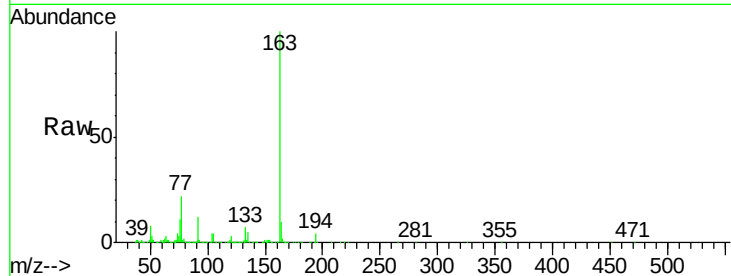
#44
Dimethylphthalate
Concen: 14.89 ng/ul
RT: 14.23 min Scan# 1939
Delta R.T. -0.01 min
Lab File: BG023673.D
Acq: 13 Aug 2016 2:00

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0206-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.3	3.4	5.2
164	9.9	8.8	13.2

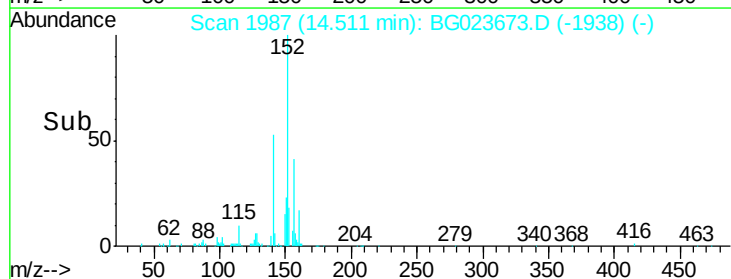
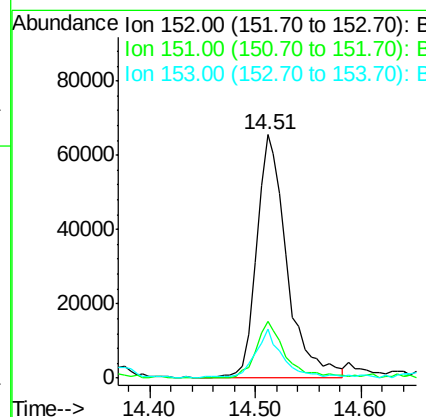
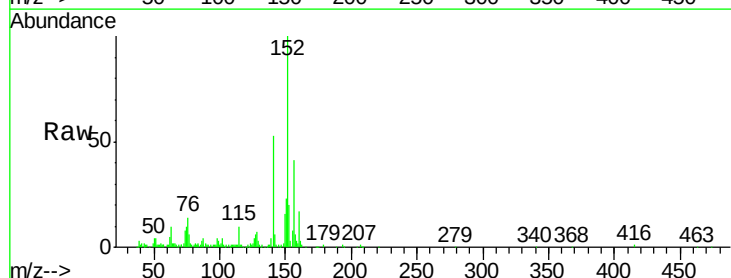
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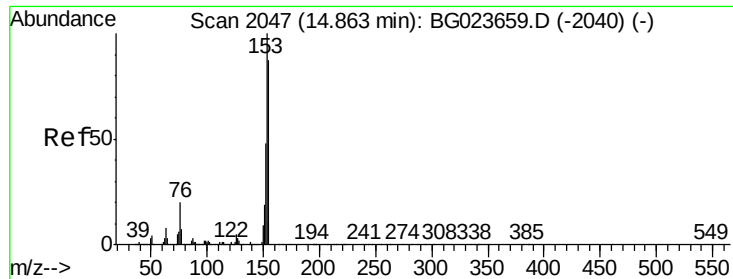
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#47
Acenaphthylene
Concen: 3.91 ng/ul
RT: 14.51 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BG023673.D
Acq: 13 Aug 2016 2:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	23.4	17.5	26.3
153	20.1	11.1	16.7





#49

Acenaphthene

Concen: 3.24 ng/ul

RT: 14.85 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BG023673.D

Acq: 13 Aug 2016 2:00

Instrument :

BNA_G

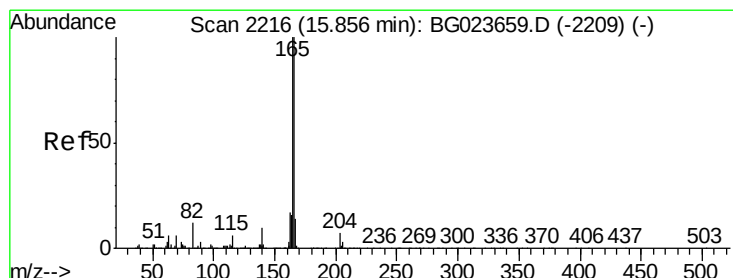
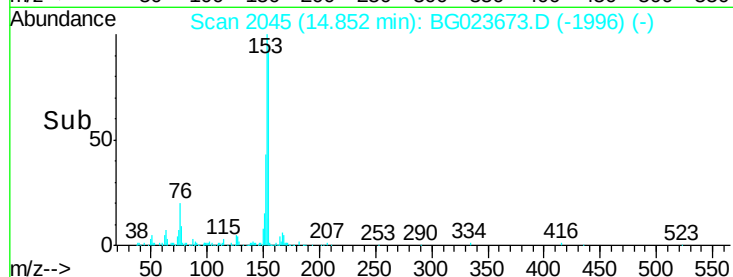
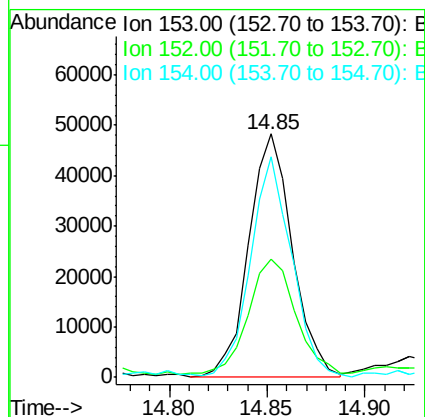
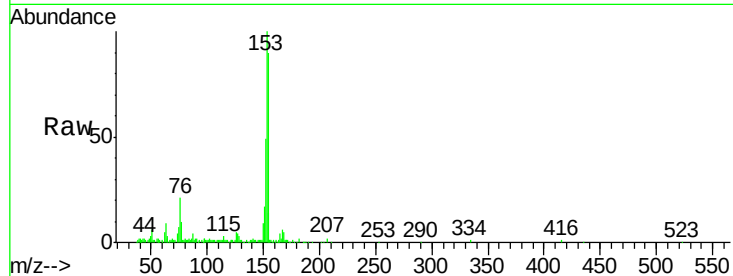
ClientSampleId :

P003-SS001-0206-01

Tgt Ion:	153	Resp:	73981
Ion Ratio	Lower	Upper	
153	100		
152	48.6	37.3	55.9
154	90.3	68.2	102.2

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#58

Fluorene

Concen: 7.06 ng/ul m

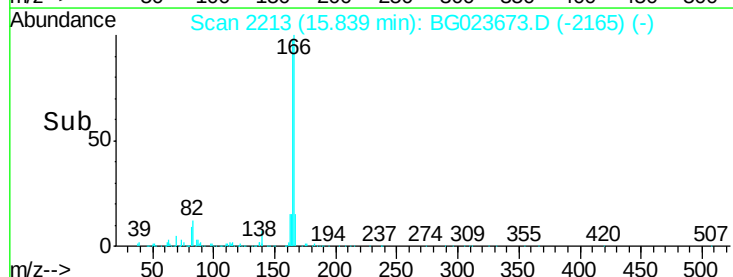
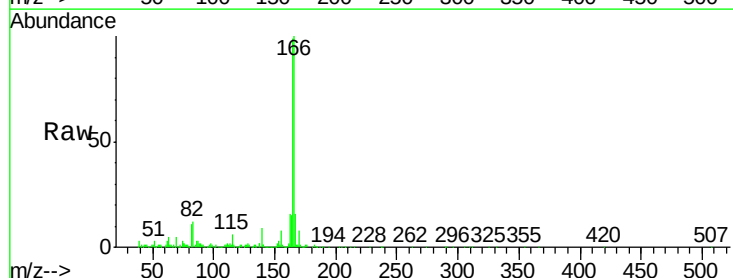
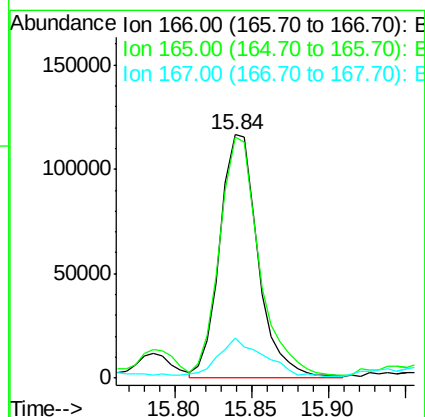
RT: 15.84 min Scan# 2213

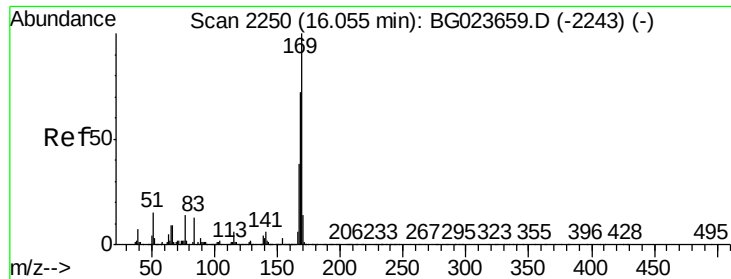
Delta R.T. -0.02 min

Lab File: BG023673.D

Acq: 13 Aug 2016 2:00

Tgt Ion:	166	Resp:	199179
Ion Ratio	Lower	Upper	
166	100		
165	99.2	80.3	120.5
167	16.3	10.3	15.5#





#64

N-Nitrosodiphenylamine

Concen: 1.04 ng/ul

RT: 16.04 min Scan# 2248

Delta R.T. -0.01 min

Lab File: BG023673.D

Acq: 13 Aug 2016 2:00

Instrument :

BNA_G

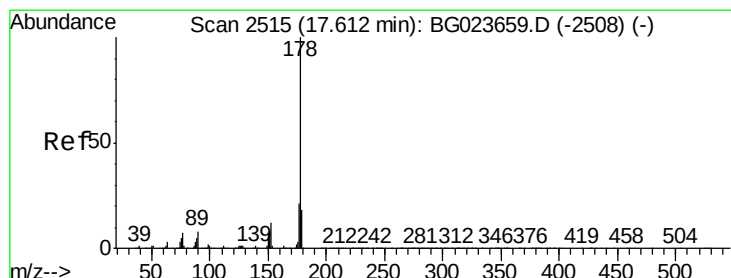
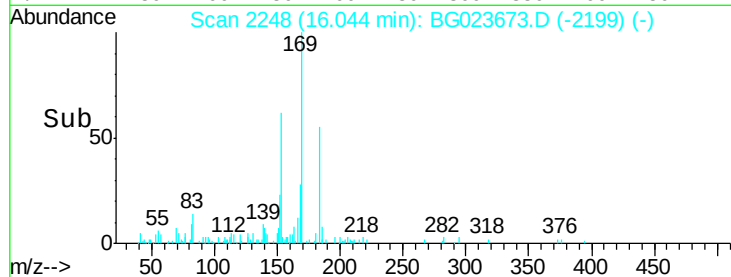
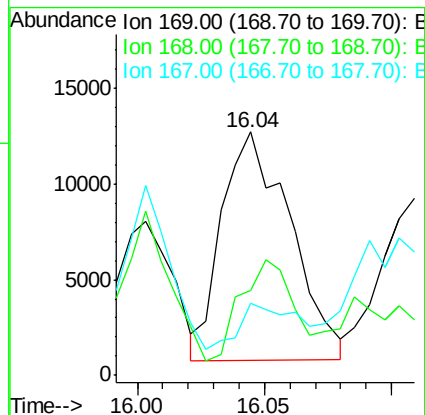
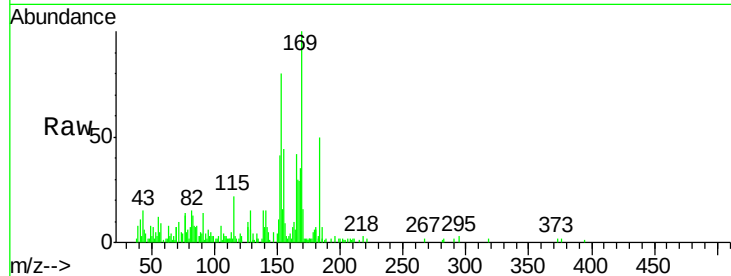
ClientSampleId :

P003-SS001-0206-01

Tgt Ion:	169	Resp:	22494
Ion Ratio	Lower	Upper	
169	100		
168	35.1	59.0	88.6#
167	29.5	30.6	46.0#

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#69

Phenanthrene

Concen: 55.82 ng/ul m

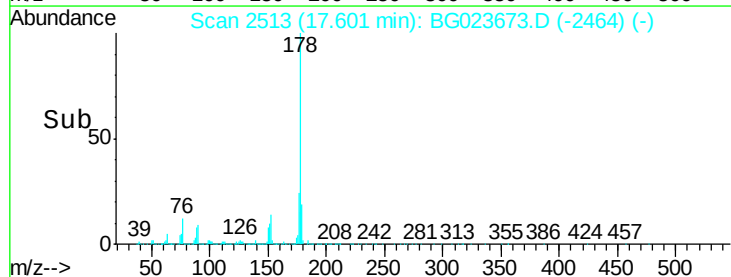
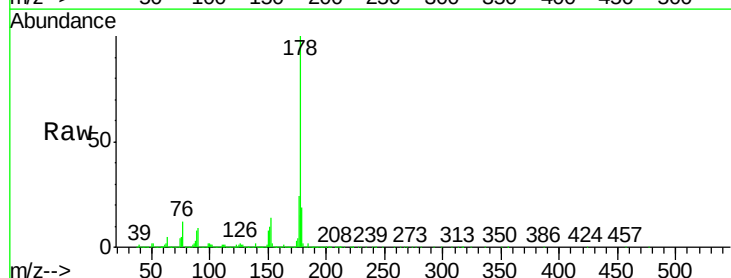
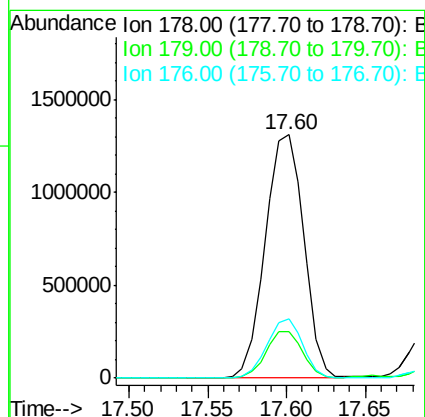
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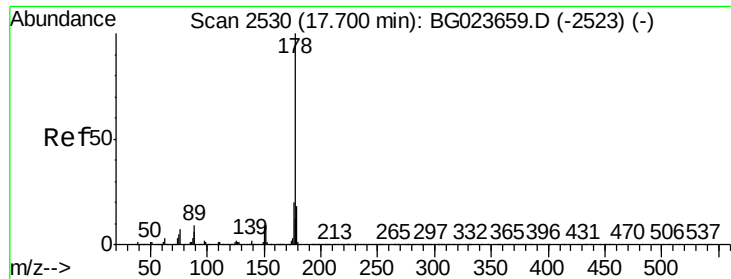
Delta R.T. -0.01 min

Lab File: BG023673.D

Acq: 13 Aug 2016 2:00

Tgt Ion:	178	Resp:	2226988
Ion Ratio	Lower	Upper	
178	100		
179	18.9	12.9	19.3
176	24.5	15.8	23.8#





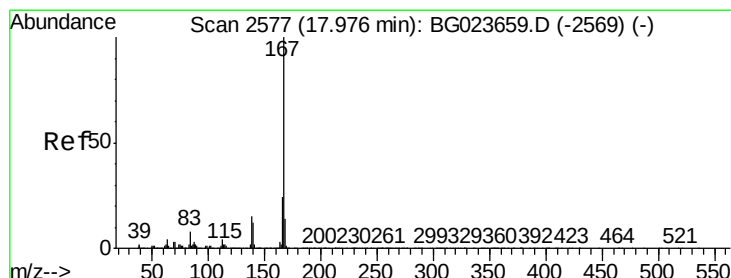
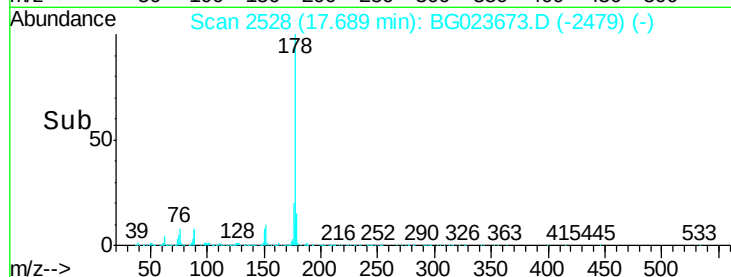
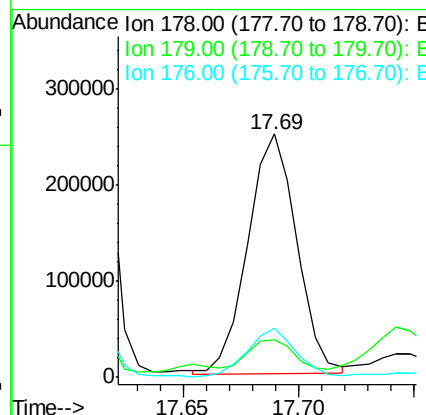
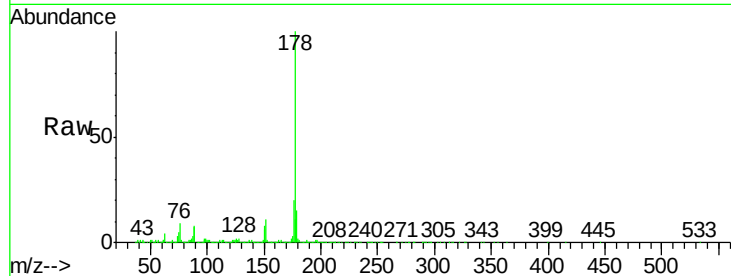
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 Anthracene
 Concen: 9.02 ng/ul
 RT: 17.69 min Scan# 2528
 Delta R.T. -0.01 min
 Lab File: BG023673.D
 Acq: 13 Aug 2016 2:00

Instrument :
 BNA_G
 ClientSampleId :
 P003-SS001-0206-01

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	20.0	16.3	24.5

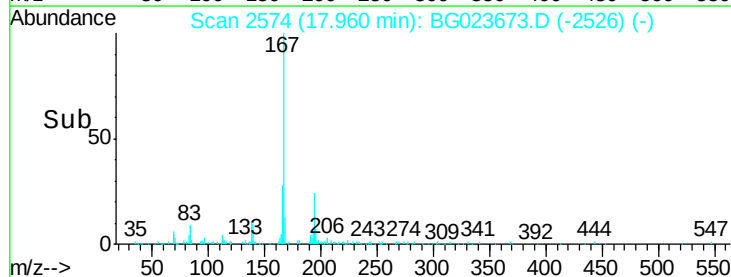
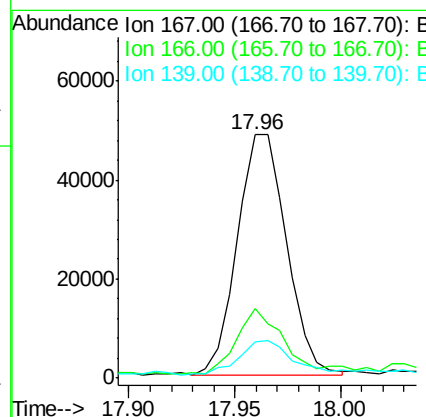
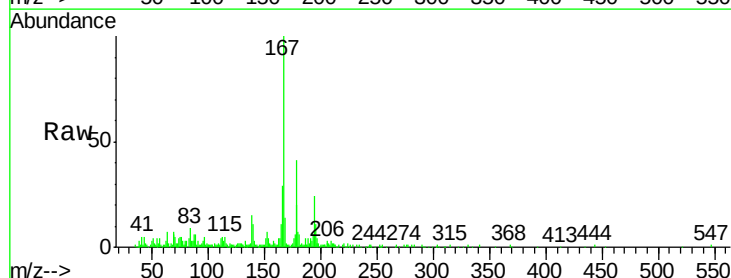
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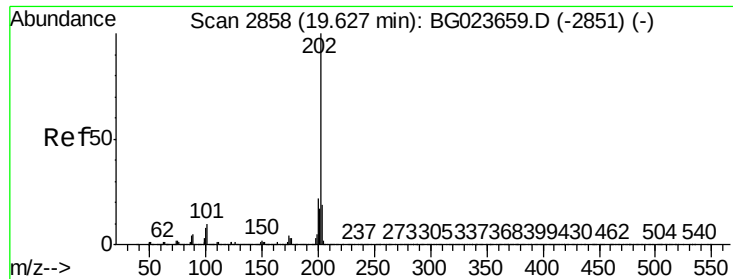
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#72
 Carbazole
 Concen: 2.40 ng/ul
 RT: 17.96 min Scan# 2574
 Delta R.T. -0.02 min
 Lab File: BG023673.D
 Acq: 13 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
167	100		
166	28.6	19.2	28.8
139	15.1	10.2	15.4





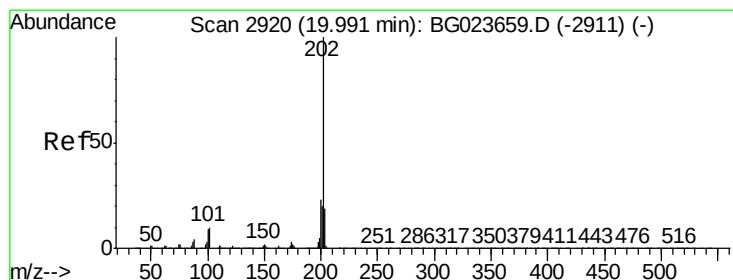
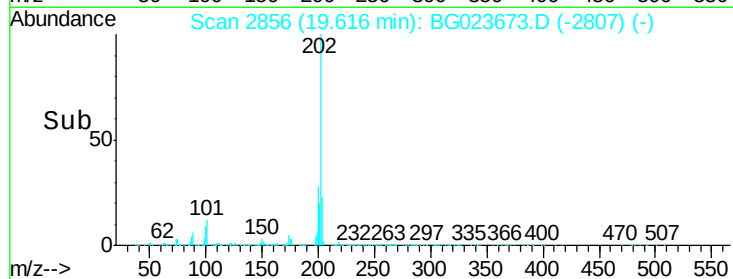
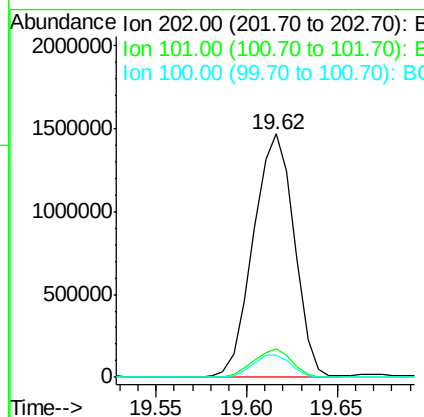
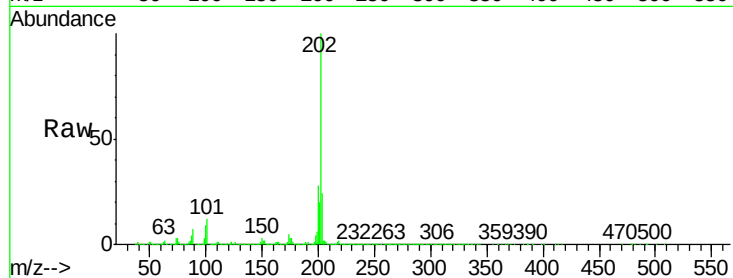
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Fluoranthene
Concen: 56.62 ng/ul
RT: 19.62 min Scan# 2856
Delta R.T. -0.01 min
Lab File: BG023673.D
Acq: 13 Aug 2016 2:00

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0206-01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	10.6	16.0
100	9.3	8.7	13.1

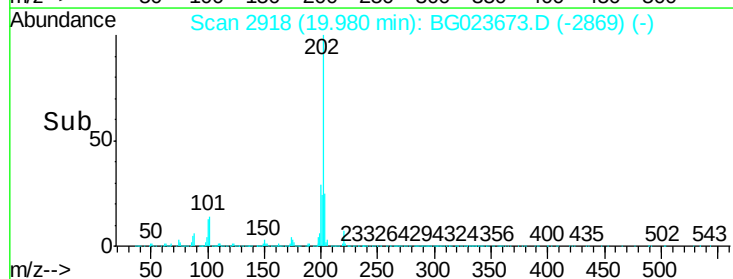
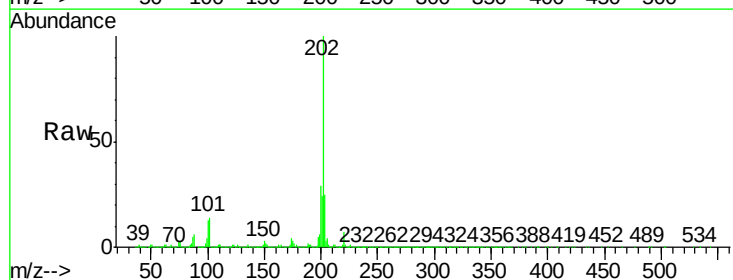
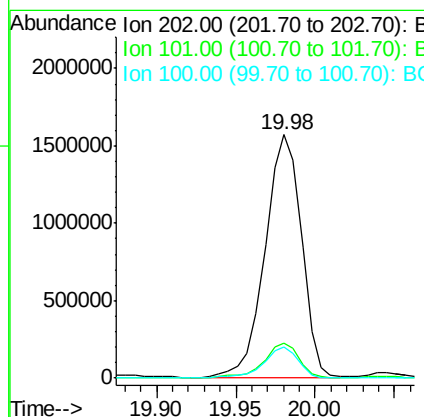
Manual Integrations
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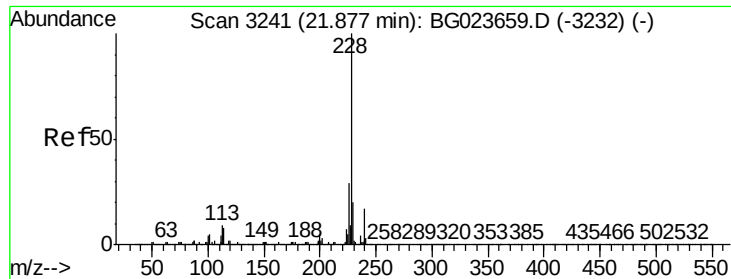
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#77
Pyrene
Concen: 53.55 ng/ul
RT: 19.98 min Scan# 2918
Delta R.T. -0.01 min
Lab File: BG023673.D
Acq: 13 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	12.5	18.7
100	13.0	10.2	15.4





#80

Benzo(a)anthracene

Concen: 29.07 ng/ul

RT: 21.86 min Scan# 3238

Delta R.T. -0.02 min

Lab File: BG023673.D

Acq: 13 Aug 2016 2:00

Instrument :

BNA_G

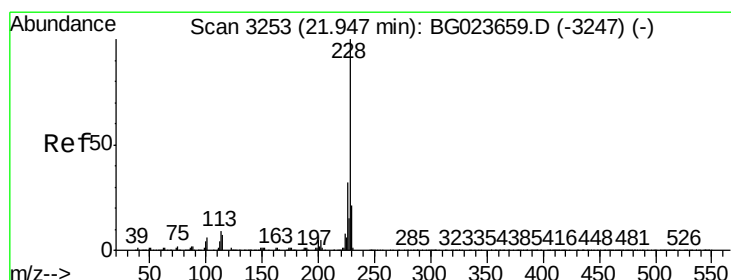
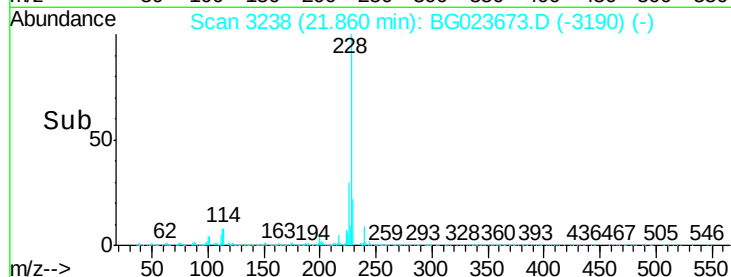
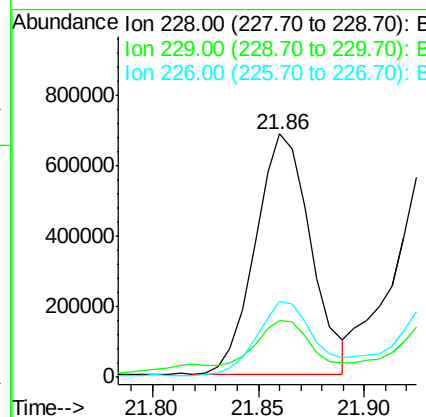
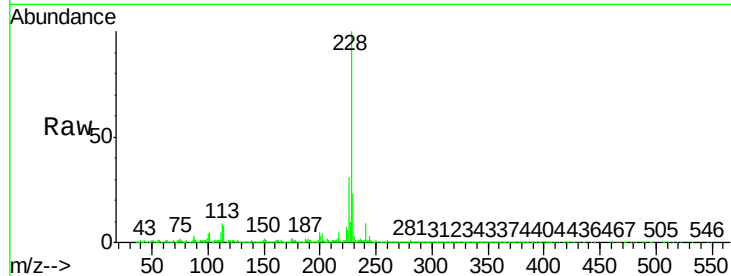
ClientSampleId :

P003-SS001-0206-01

Tgt Ion:	228	Resp:	1240135
Ion Ratio		Lower	Upper
228	100		
229	23.3	15.4	23.2#
226	31.0	22.8	34.2

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#82

Chrysene

Concen: 32.03 ng/ul

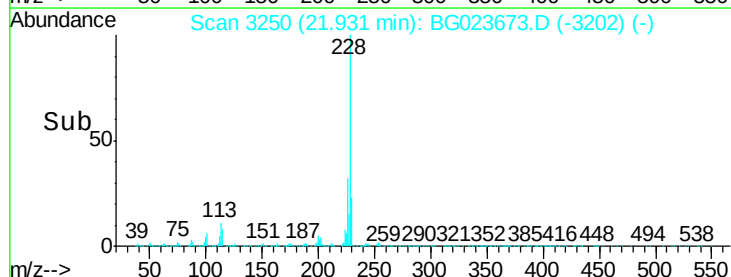
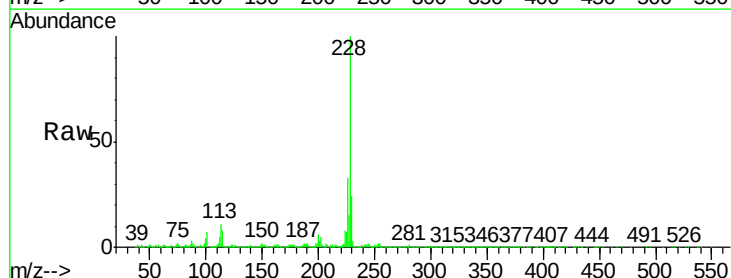
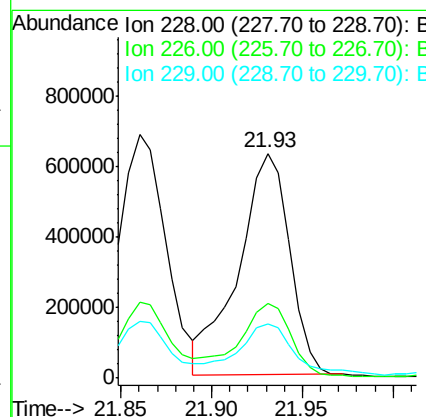
RT: 21.93 min Scan# 3250

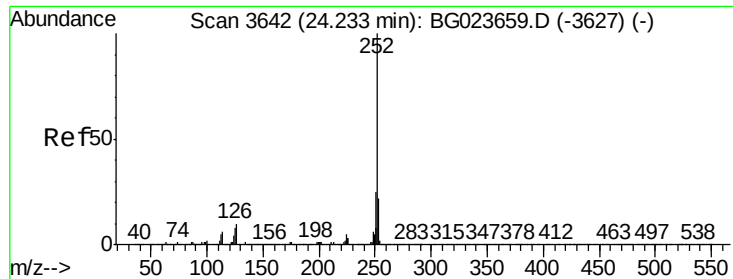
Delta R.T. -0.02 min

Lab File: BG023673.D

Acq: 13 Aug 2016 2:00

Tgt Ion:	228	Resp:	1242372
Ion Ratio		Lower	Upper
228	100		
226	33.0	24.2	36.4
229	24.0	15.0	22.6#





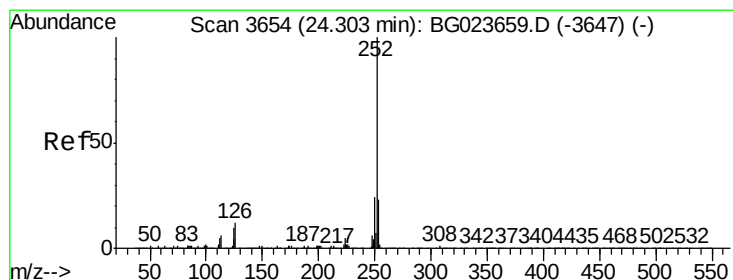
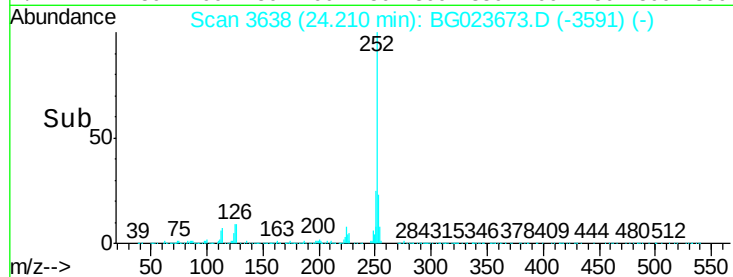
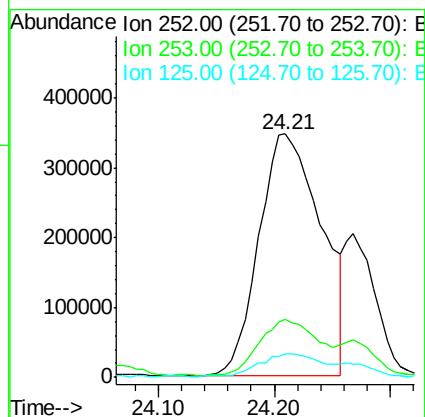
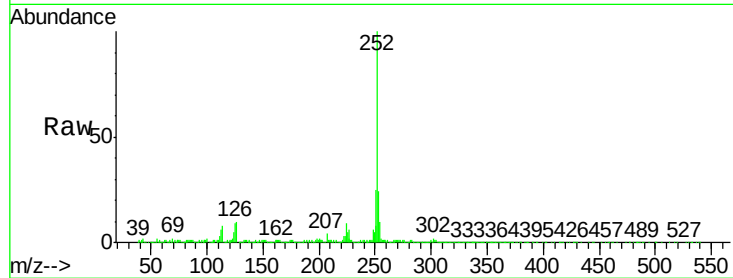
#85
Benzo(b)fluoranthene
Concen: 29.44 ng/ul
RT: 24.21 min Scan# 3638
Delta R.T. -0.02 min
Lab File: BG023673.D
Acq: 13 Aug 2016 2:00

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0206-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	9.4	10.8	16.2#

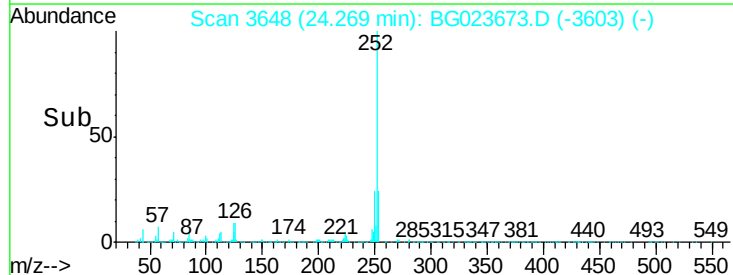
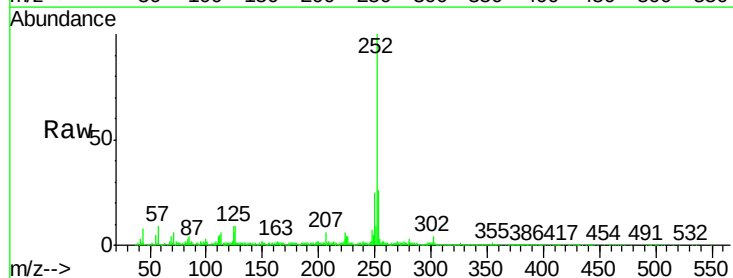
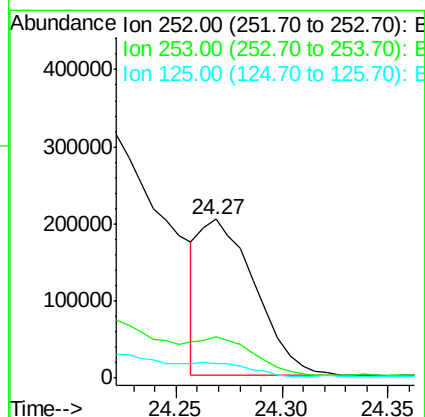
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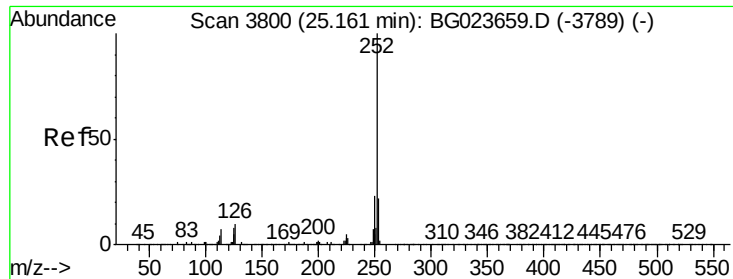
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#86
Benzo(k)fluoranthene
Concen: 8.39 ng/ul
RT: 24.27 min Scan# 3648
Delta R.T. -0.03 min
Lab File: BG023673.D
Acq: 13 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	15.8	23.6#
125	9.2	10.6	16.0#





#88

Benzo(a)pyrene

Concen: 24.15 ng/ul m

RT: 25.14 min Scan# 3796

Delta R.T. -0.02 min

Lab File: BG023673.D

Acq: 13 Aug 2016 2:00

Instrument :

BNA_G

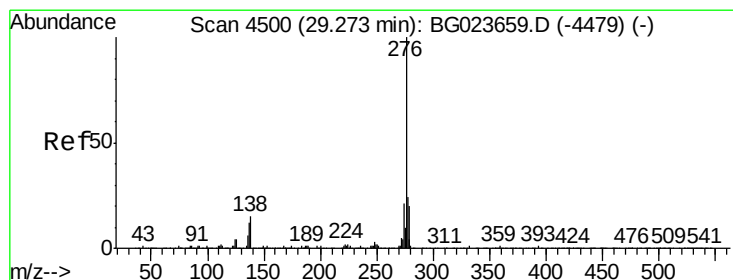
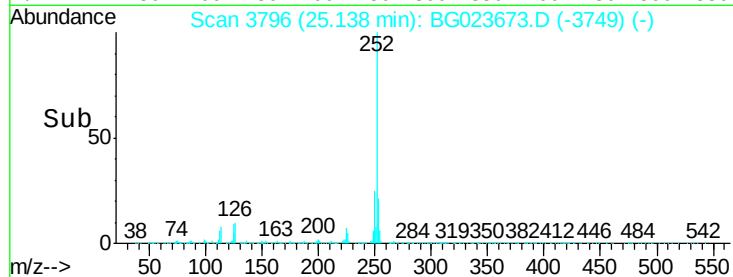
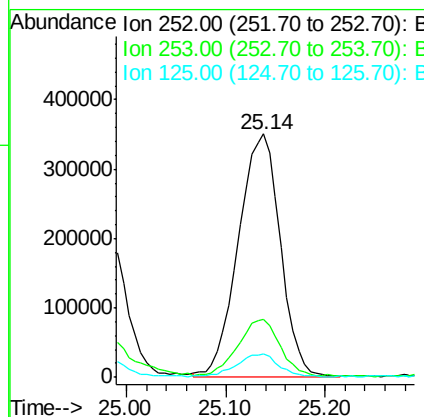
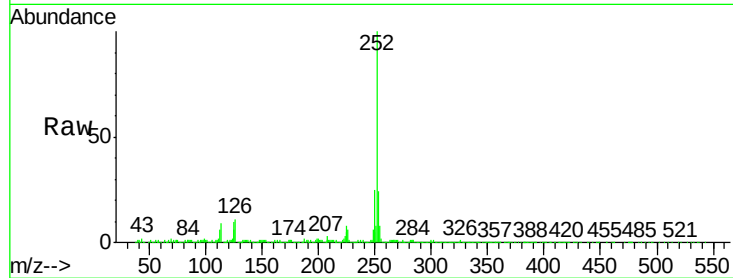
ClientSampleId :

P003-SS001-0206-01

Tgt Ion:	252	Resp:	1034255
Ion Ratio	Lower	Upper	
252	100		
253	23.7	19.0	28.4
125	9.8	12.0	18.0#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 12.32 ng/ul

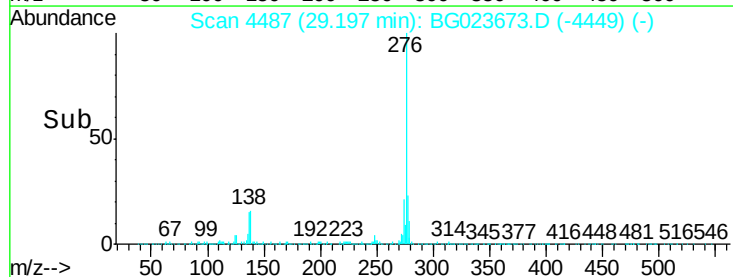
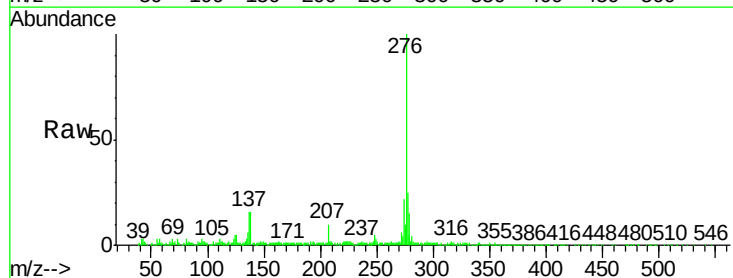
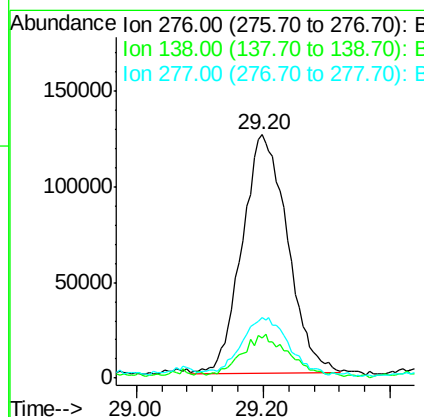
RT: 29.20 min Scan# 4487

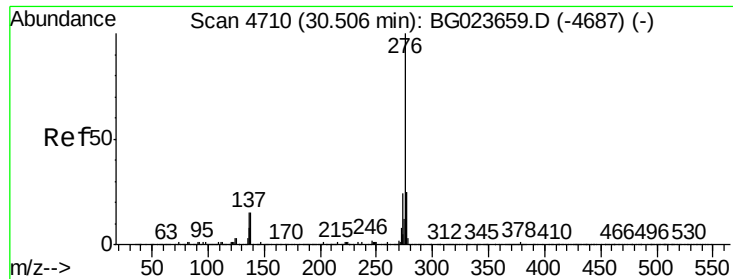
Delta R.T. -0.08 min

Lab File: BG023673.D

Acq: 13 Aug 2016 2:00

Tgt Ion:	276	Resp:	619963
Ion Ratio	Lower	Upper	
276	100		
138	16.4	20.8	31.2#
277	25.0	17.6	26.4





#91

Benzo(g,h,i)perylene

Concen: 13.69 ng/ul

RT: 30.43 min Scan# 4696

Delta R.T. -0.08 min

Lab File: BG023673.D

Acq: 13 Aug 2016 2:00

Instrument :

BNA_G

ClientSampleId :

P003-SS001-0206-01

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	571157		
138	15.9	22.1	33.1#	
277	21.9	17.0	25.4	

Manual Integrations
APPROVED

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