

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023672.D
 Acq On : 13 Aug 2016 1:22
 Operator : UM/SJ
 Sample : H4385-17
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P003-SS001-0002-01

Manual Integrations
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Quant Time: Aug 15 18:08:51 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	110904	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	501643	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	363691	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.55	188	836586	20.00	ng/ul	-0.01
75) Chrysene-d12	21.88	240	843298	20.00	ng/ul	-0.02
83) Perylene-d12	25.30	264	862698	20.00	ng/ul	-0.03

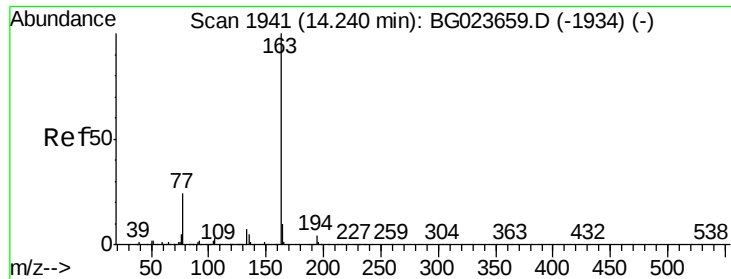
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	13184	5.05	ng/uL	0.00
5) Phenol-d5	7.27	99	321305	28.76	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	207704	29.02	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	227446	29.84	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	248011	28.44	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	120285	30.42	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.02	143	148592	32.72	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.57	165	275526	32.16	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.09	131	305589	30.41	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	976966	32.81	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	1129013	33.69	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.00	143	173581	34.15	ng/ul	-0.02
57) Fluorene-d10	15.79	176	891905	32.42	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.91	200	168657	31.42	ng/ul	-0.02
70) Anthracene-d10	17.65	188	1279193	33.94	ng/ul	-0.01
76) Pyrene-d10	19.95	212	1373584	32.18	ng/ul	-0.01
87) Benzo(a)pyrene-d12	25.06	264	1402104	35.91	ng/ul	-0.03

Target Compounds

						Qvalue
44) Dimethylphthalate	14.23	163	637419	21.62	ng/ul	99
47) Acenaphthylene	14.52	152	71296	2.03	ng/ul	95
49) Acenaphthene	14.85	153	39649	1.66	ng/ul	96
58) Fluorene	15.84	166	53663	1.82	ng/ul	97
69) Phenanthrene	17.60	178	977305	22.56	ng/ul	98
71) Anthracene	17.69	178	181900	4.11	ng/ul	98
72) Carbazole	17.96	167	89149	2.50	ng/ul	98
74) Fluoranthene	19.62	202	1501193m	33.84	ng/ul	
77) Pyrene	19.98	202	1537389	29.49	ng/ul	94
80) Benzo(a)anthracene	21.86	228	794295	16.73	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.74	149	31396	1.18	ng/ul#	99
82) Chrysene	21.93	228	836683m	19.38	ng/ul	
85) Benzo(b)fluoranthene	24.20	252	984609m	20.07	ng/ul	
86) Benzo(k)fluoranthene	24.27	252	296893m	6.15	ng/ul	
88) Benzo(a)pyrene	25.14	252	758981m	16.02	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.21	276	470775	8.46	ng/ul#	85
90) Dibenzo(a,h)anthracene	29.26	278	140010m	2.95	ng/ul	
91) Benzo(g,h,i)perylene	30.44	276	470844	10.20	ng/ul#	82

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



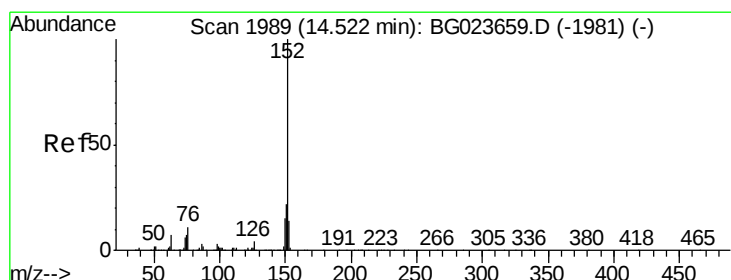
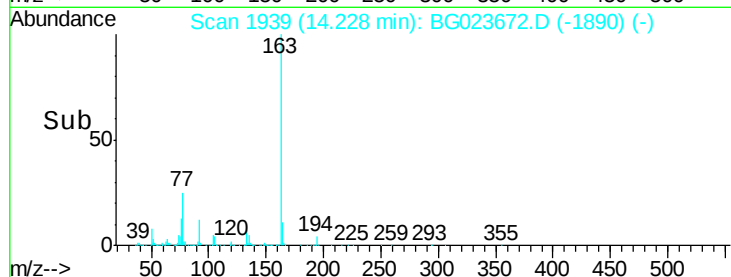
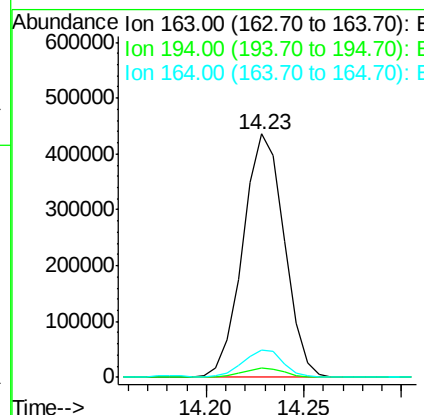
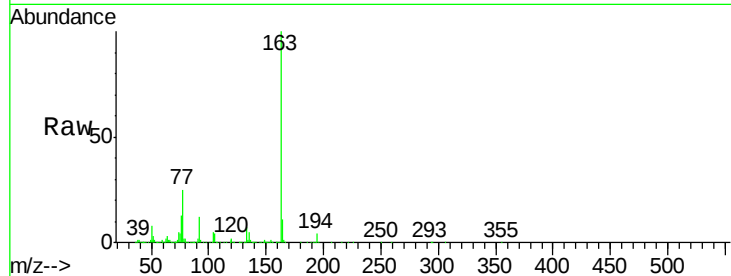
#44
Dimethylphthalate
Concen: 21.62 ng/ul
RT: 14.23 min Scan# 1939
Delta R.T. -0.01 min
Lab File: BG023672.D
Acq: 13 Aug 2016 1:22

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0002-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.6	3.4	5.2
164	11.2	8.8	13.2

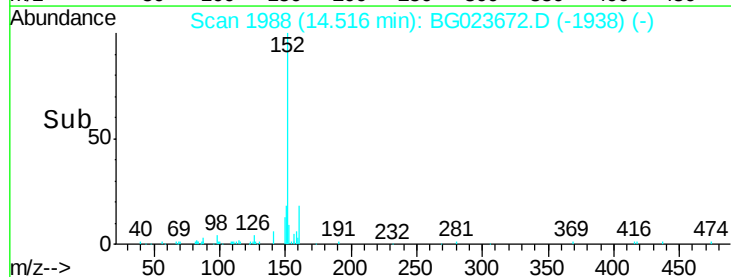
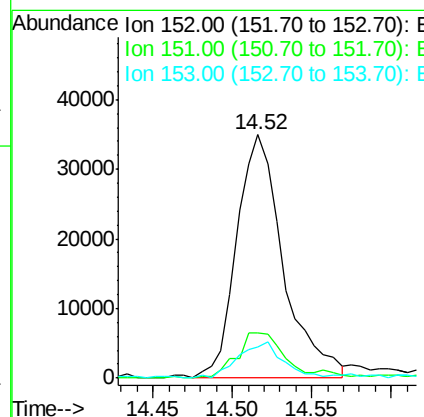
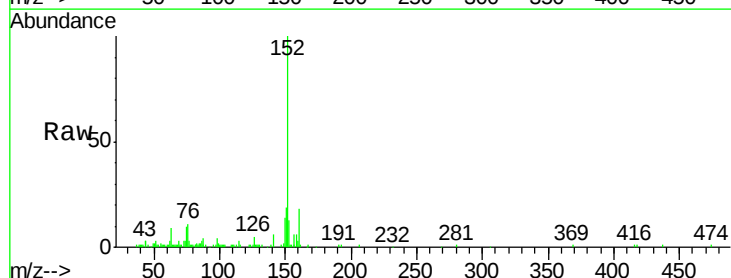
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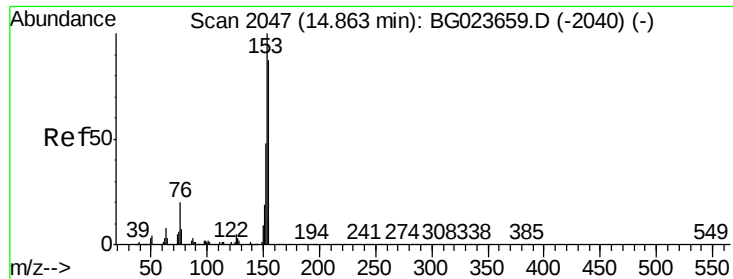
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#47
Acenaphthylene
Concen: 2.03 ng/ul
RT: 14.52 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BG023672.D
Acq: 13 Aug 2016 1:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	18.8	17.5	26.3
153	12.9	11.1	16.7





#49

Acenaphthene

Concen: 1.66 ng/ul

RT: 14.85 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

Instrument :

BNA_G

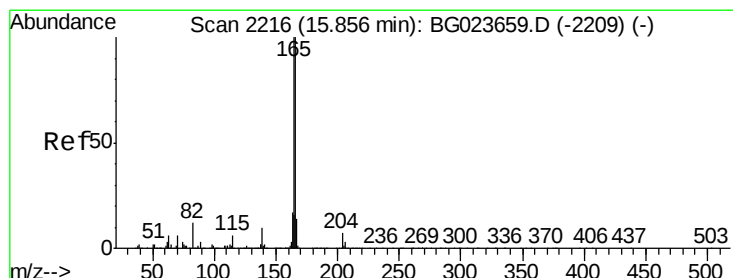
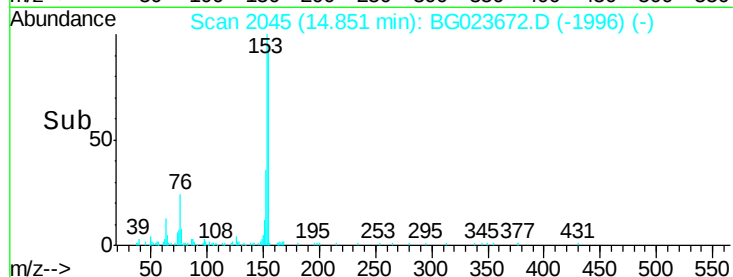
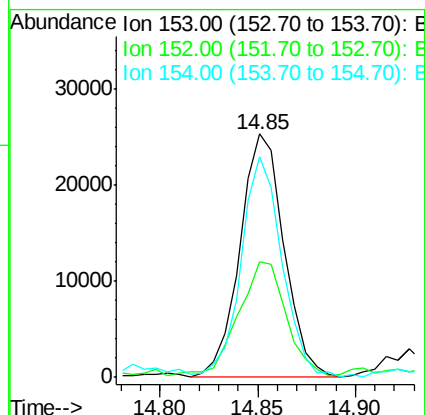
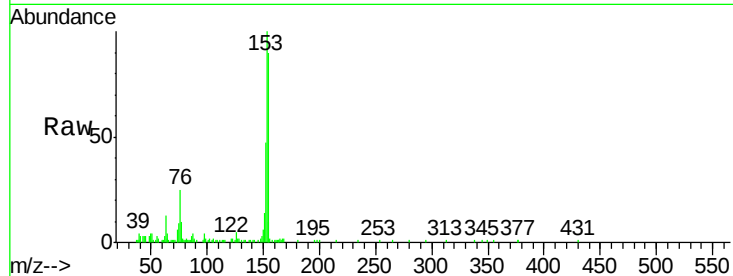
ClientSampleId :

P003-SS001-0002-01

Tgt Ion:	153	Resp:	39649
Ion Ratio	Lower	Upper	
153	100		
152	47.4	37.3	55.9
154	90.4	68.2	102.2

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#58

Fluorene

Concen: 1.82 ng/ul

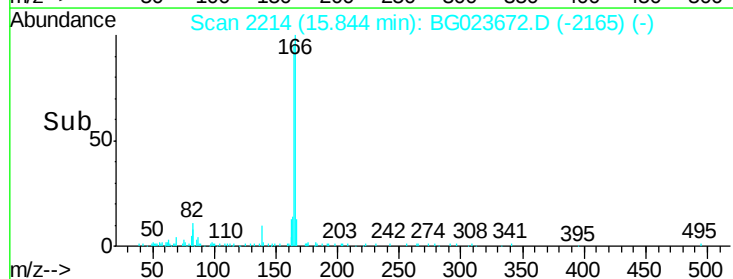
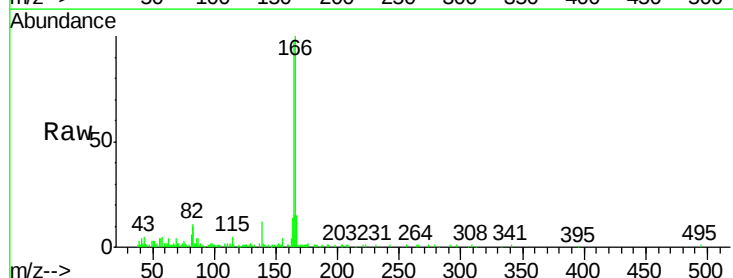
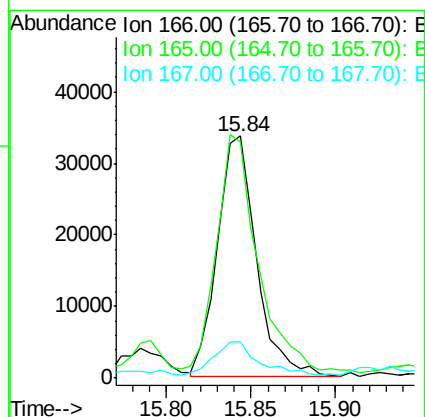
RT: 15.84 min Scan# 2214

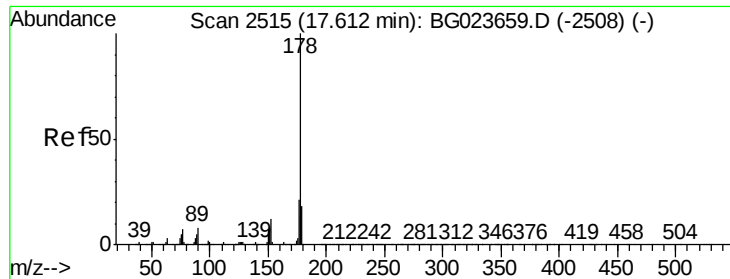
Delta R.T. -0.01 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

Tgt Ion:	166	Resp:	53663
Ion Ratio	Lower	Upper	
166	100		
165	97.8	80.3	120.5
167	15.0	10.3	15.5





#69

Phenanthrene

Concen: 22.56 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. -0.01 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

Instrument :

BNA_G

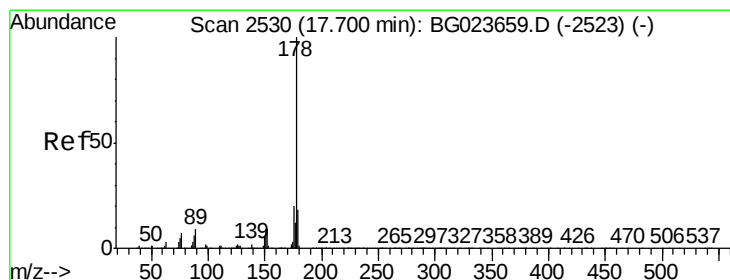
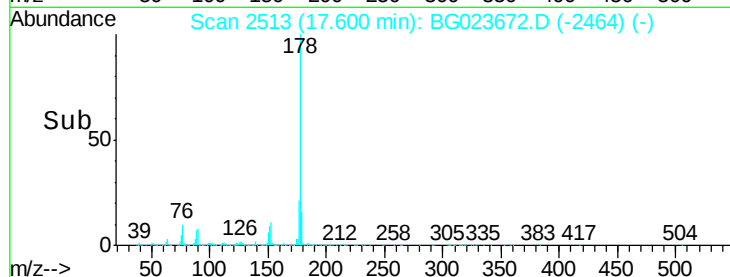
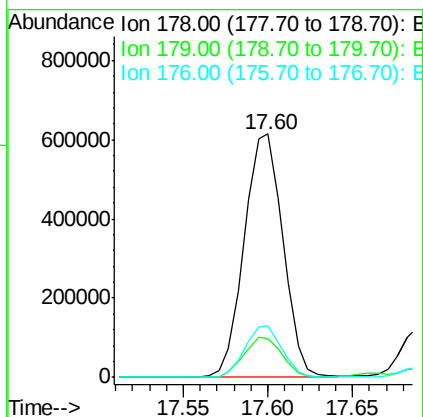
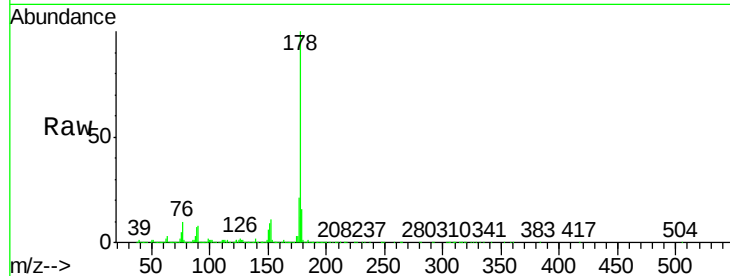
ClientSampleId :

P003-SS001-0002-01

Tgt Ion:	178	Resp:	977305
Ion Ratio		Lower	Upper
178	100		
179	16.1	12.9	19.3
176	21.4	15.8	23.8

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#71

Anthracene

Concen: 4.11 ng/ul

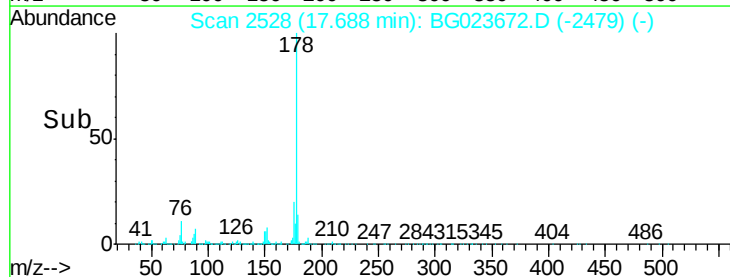
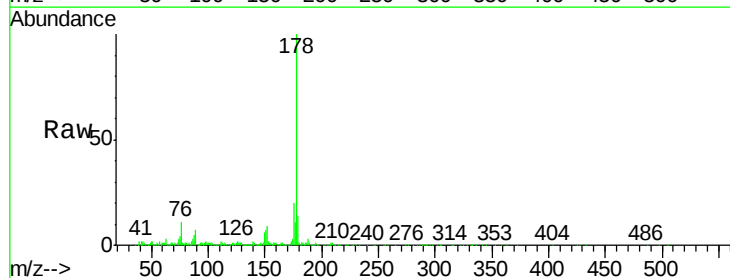
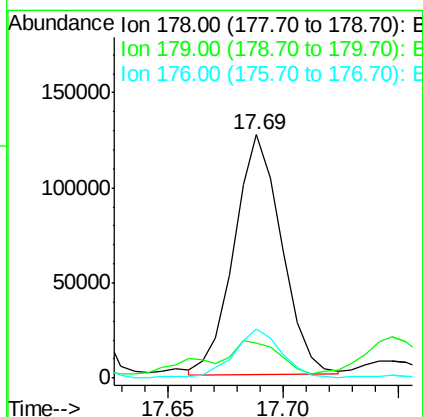
RT: 17.69 min Scan# 2528

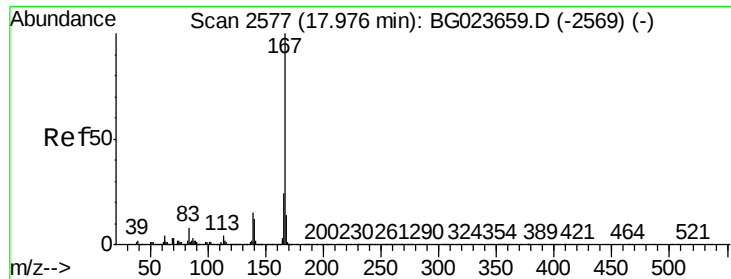
Delta R.T. -0.01 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

Tgt Ion:	178	Resp:	181900
Ion Ratio		Lower	Upper
178	100		
179	14.2	12.3	18.5
176	20.0	16.3	24.5





#72

Carbazole

Concen: 2.50 ng/ul

RT: 17.96 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

Instrument :

BNA_G

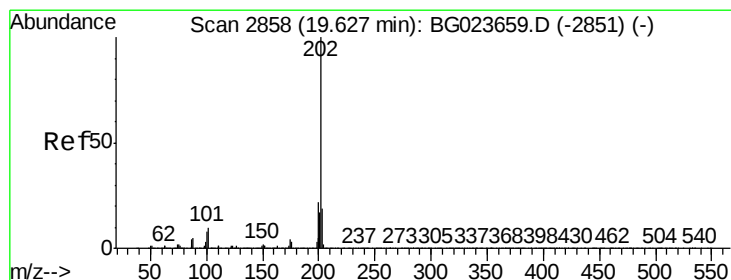
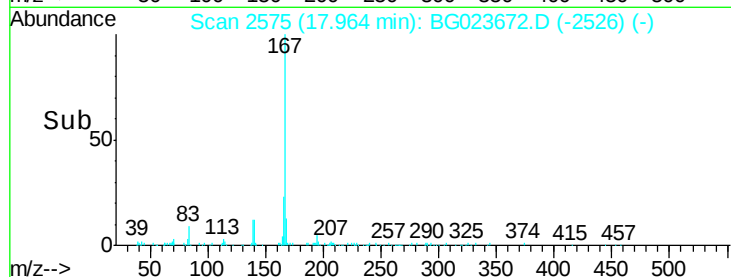
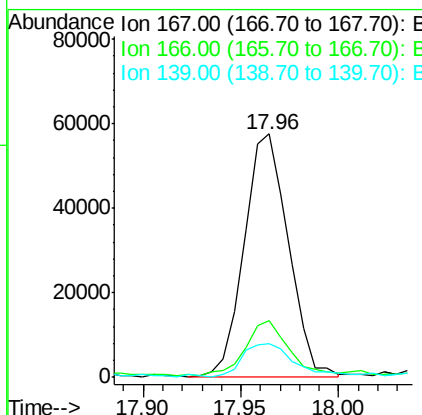
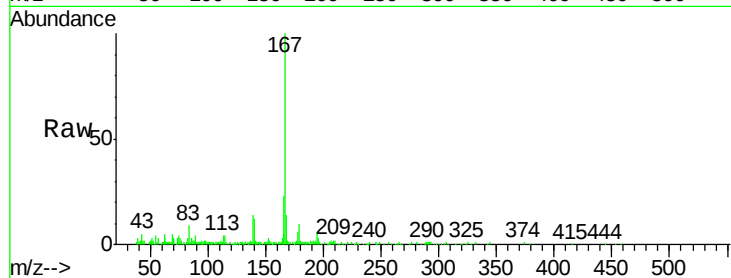
ClientSampleId :

P003-SS001-0002-01

Tgt Ion:	167	Resp:	89149
Ion Ratio	Lower	Upper	
167	100		
166	23.0	19.2	28.8
139	14.0	10.2	15.4

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#74

Fluoranthene

Concen: 33.84 ng/ul m

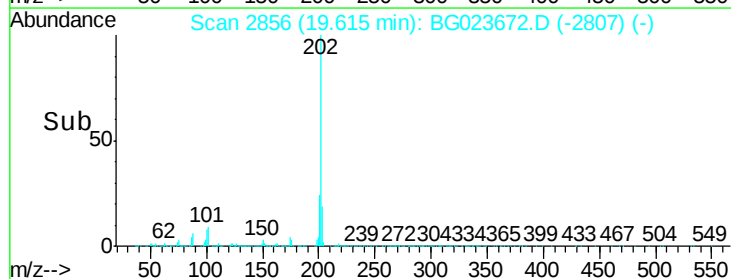
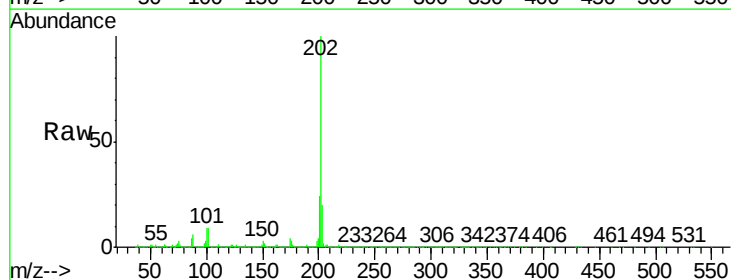
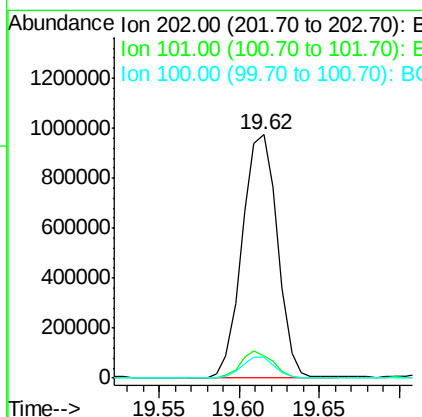
RT: 19.62 min Scan# 2856

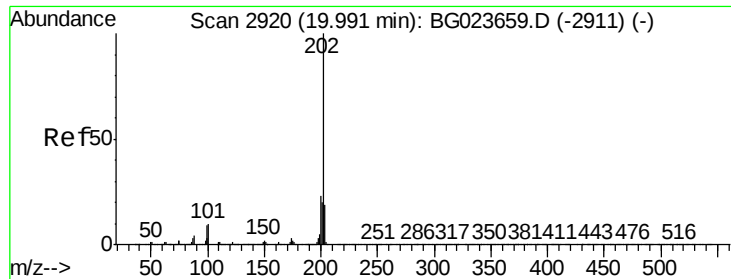
Delta R.T. -0.01 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

Tgt Ion:	202	Resp:	1501193
Ion Ratio	Lower	Upper	
202	100		
101	9.3	10.6	16.0#
100	8.6	8.7	13.1#





#77

Pyrene

Concen: 29.49 ng/ul

RT: 19.98 min Scan# 2918

Delta R.T. -0.01 min

Lab File: BG023672.D

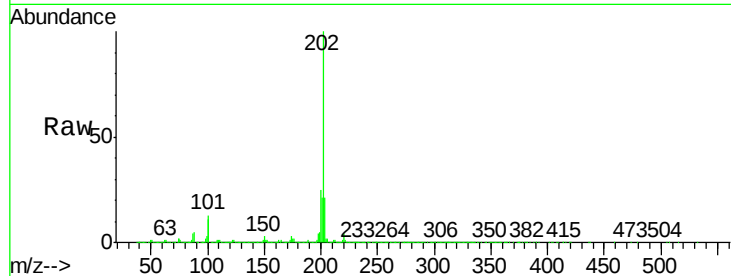
Acq: 13 Aug 2016 1:22

Instrument :

BNA_G

ClientSampleId :

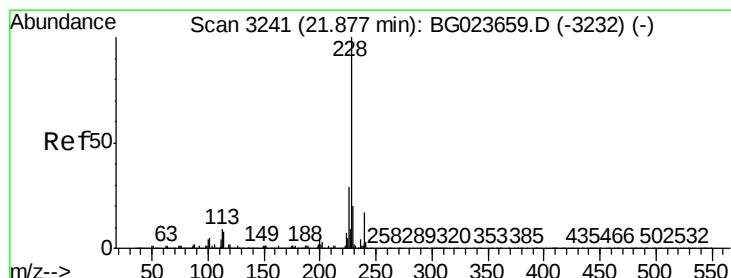
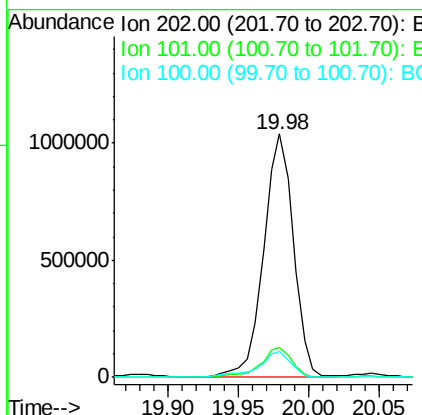
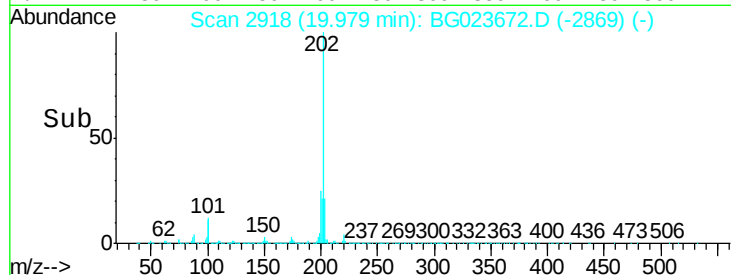
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Tgt	Ion	Ratio	Lower	Upper
202	100			
101	12.5	12.5	18.7	
100	10.6	10.2	15.4	

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#80

Benzo(a)anthracene

Concen: 16.73 ng/ul

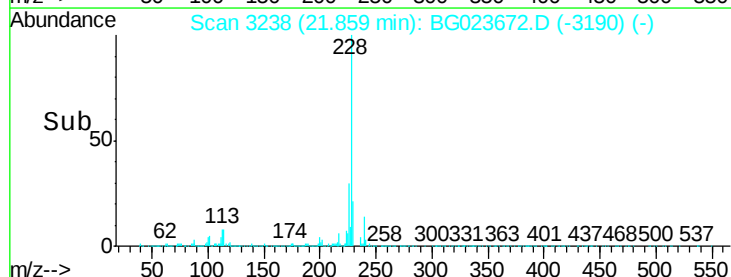
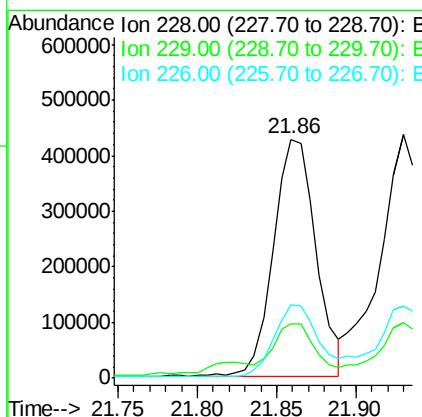
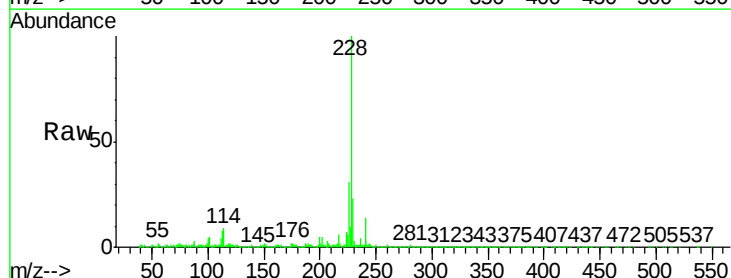
RT: 21.86 min Scan# 3238

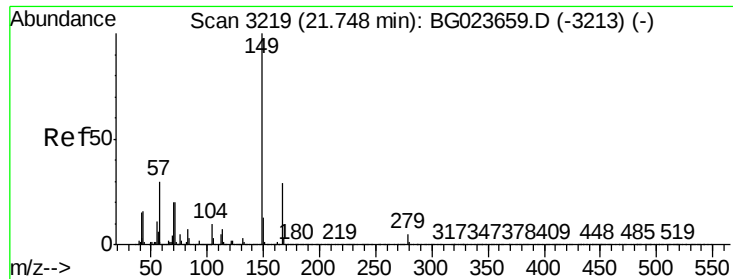
Delta R.T. -0.02 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

Tgt	Ion	Ratio	Lower	Upper
228	100			
229	22.5	15.4	23.2	
226	30.6	22.8	34.2	





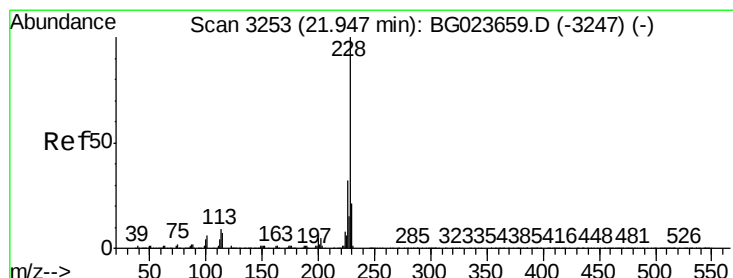
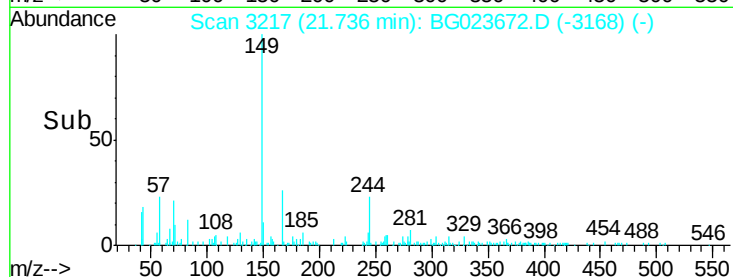
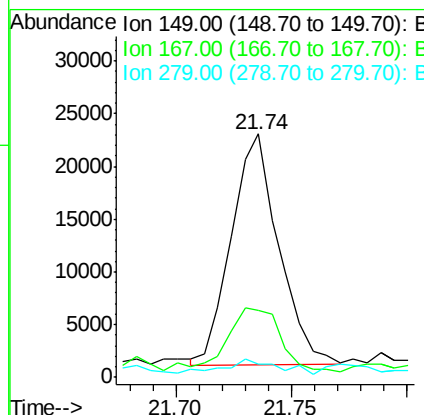
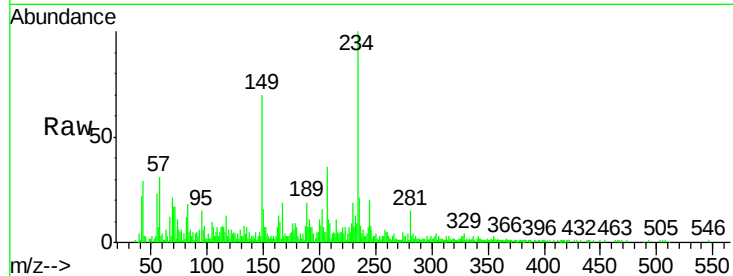
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 1.18 ng/ul
 RT: 21.74 min Scan# 3217
 Delta R.T. -0.01 min
 Lab File: BG023672.D
 Acq: 13 Aug 2016 1:22

Instrument :
 BNA_G
 ClientSampleId :
 P003-SS001-0002-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	27.7	21.9	32.9
279	5.5	2.9	4.3

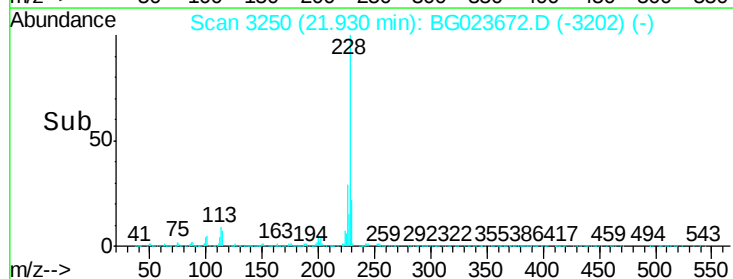
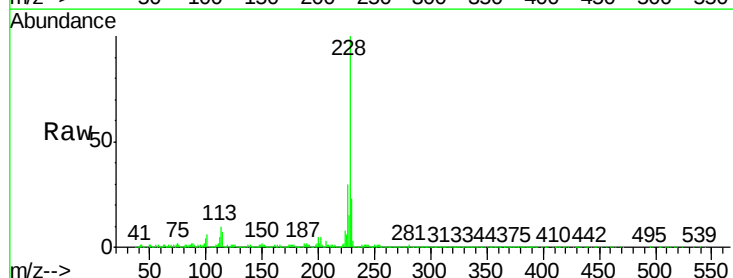
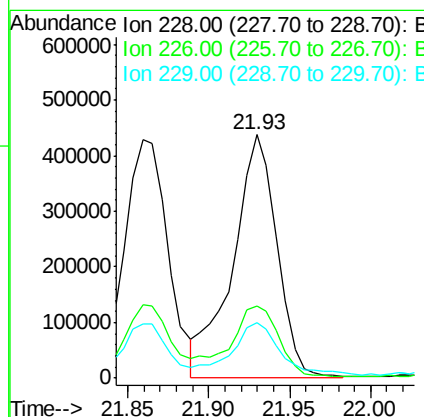
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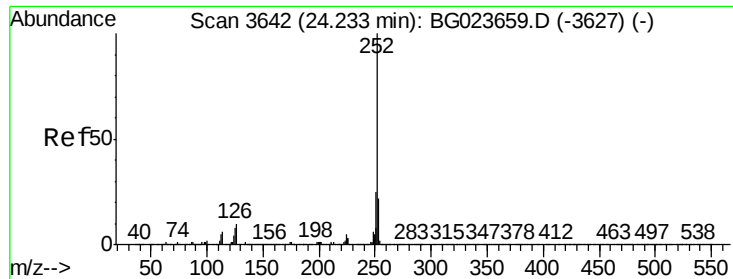
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#82
 Chrysene
 Concen: 19.38 ng/ul m
 RT: 21.93 min Scan# 3250
 Delta R.T. -0.02 min
 Lab File: BG023672.D
 Acq: 13 Aug 2016 1:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.6	24.2	36.4
229	23.0	15.0	22.6





#85

Benzo(b)fluoranthene

Concen: 20.07 ng/ul m

RT: 24.20 min Scan# 3637

Delta R.T. -0.03 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

Instrument :

BNA_G

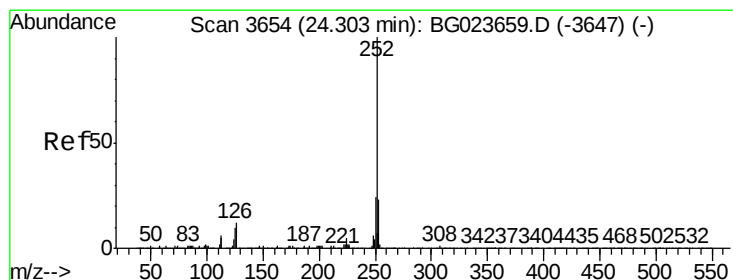
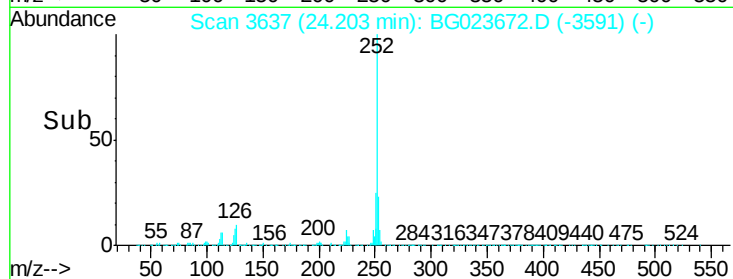
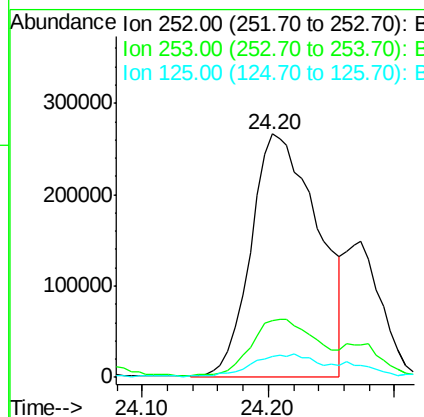
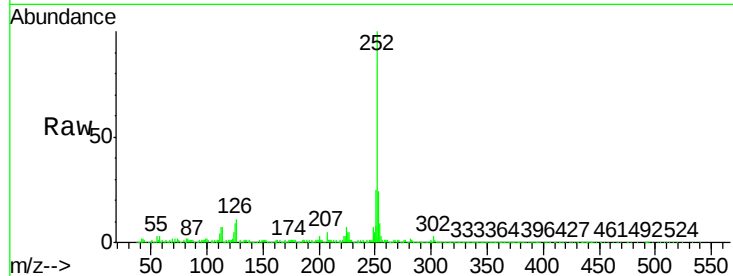
ClientSampleId :

P003-SS001-0002-01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	984609		
253	23.5	18.2	27.2	
125	8.7	10.8	16.2	

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#86

Benzo(k)fluoranthene

Concen: 6.15 ng/ul m

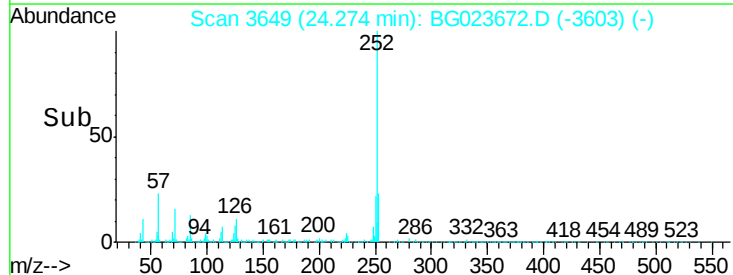
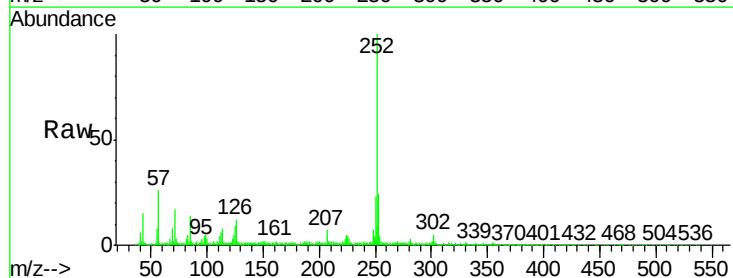
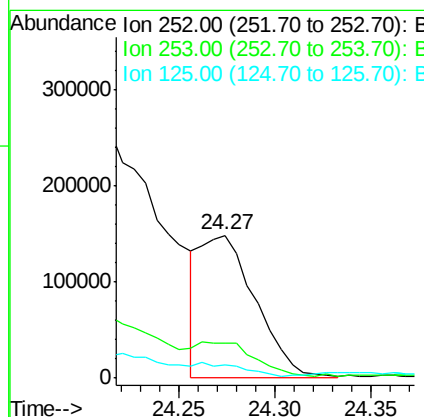
RT: 24.27 min Scan# 3649

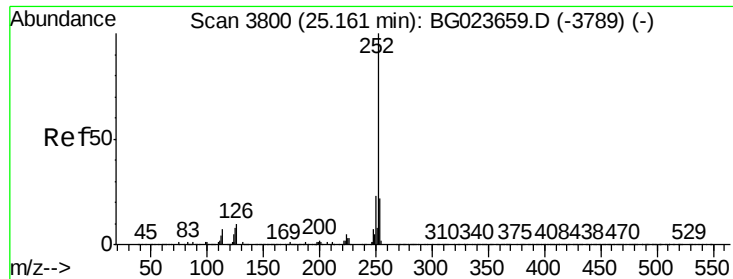
Delta R.T. -0.03 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	296893		
253	24.2	15.8	23.6	
125	9.2	10.6	16.0	





#88

Benzo(a)pyrene

Concen: 16.02 ng/ul m

RT: 25.14 min Scan# 3796

Delta R.T. -0.02 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

Instrument :

BNA_G

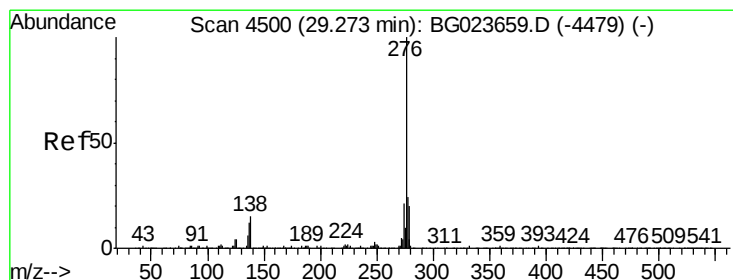
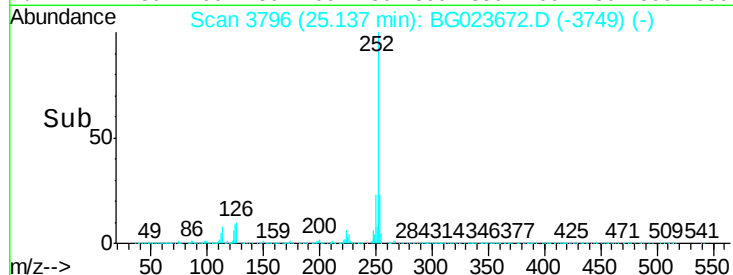
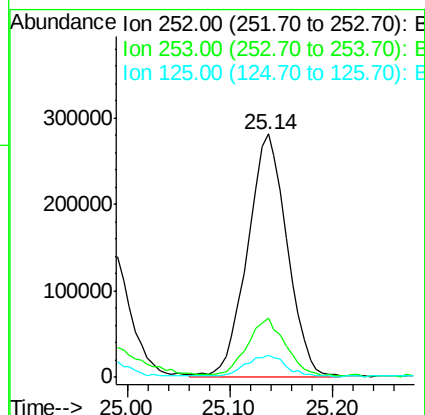
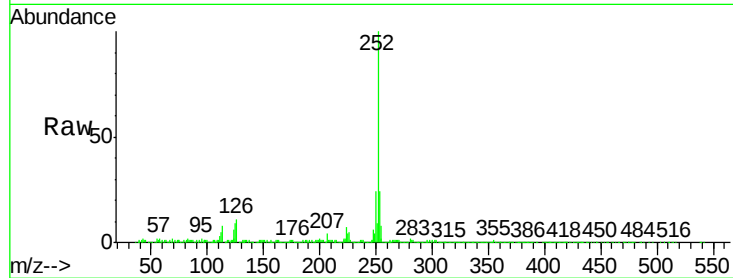
ClientSampleId :

P003-SS001-0002-01

Tgt Ion:	252	Resp:	758981
Ion Ratio	Lower	Upper	
252	100		
253	24.4	19.0	28.4
125	9.3	12.0	18.0#

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 8.46 ng/ul

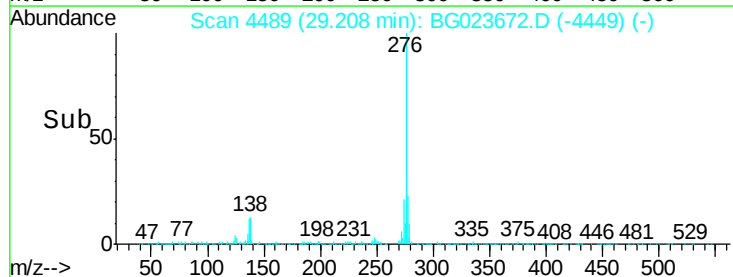
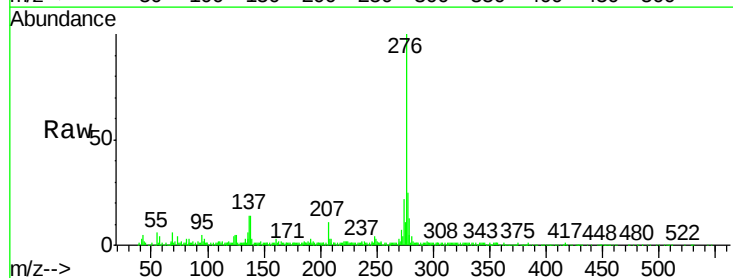
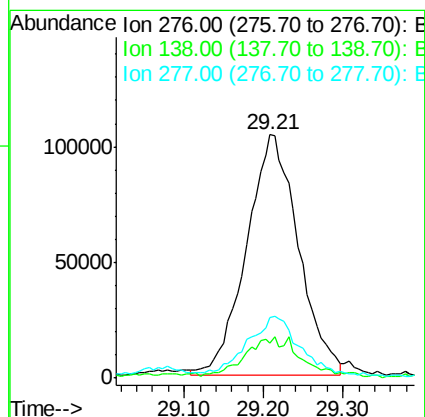
RT: 29.21 min Scan# 4489

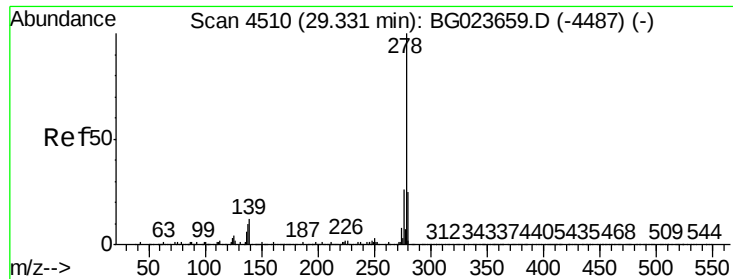
Delta R.T. -0.06 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

Tgt Ion:	276	Resp:	470775
Ion Ratio	Lower	Upper	
276	100		
138	14.2	20.8	31.2#
277	24.9	17.6	26.4





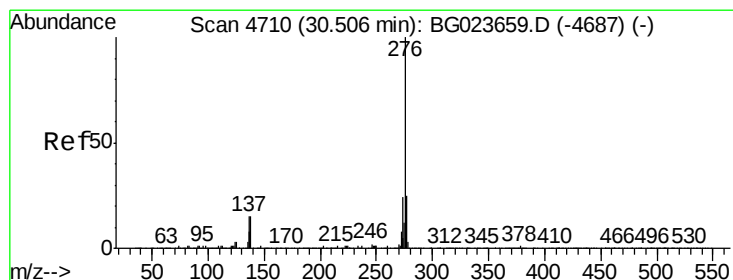
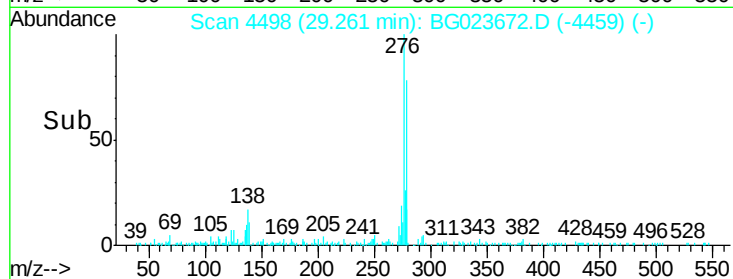
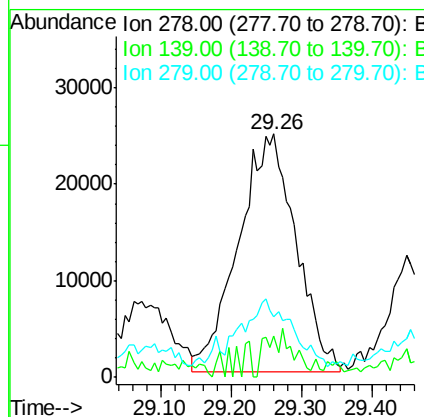
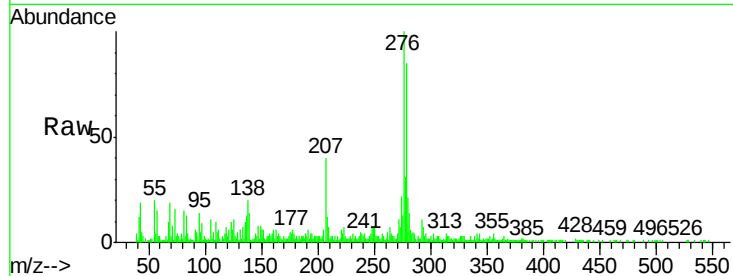
#90
Dibenzo(a,h)anthracene
Concen: 2.95 ng/ul m
RT: 29.26 min Scan# 4498
Delta R.T. -0.07 min
Lab File: BG023672.D
Acq: 13 Aug 2016 1:22

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0002-01

Tgt Ion:	278	Resp:	140010
Ion Ratio	Lower	Upper	
278	100		
139	17.0	16.3	24.5
279	24.8	19.1	28.7

Manual Integrations
APPROVED

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8/15/2016 6:50:12 PM



#91
Benzo(g,h,i)perylene
Concen: 10.20 ng/ul
RT: 30.44 min Scan# 4699
Delta R.T. -0.06 min
Lab File: BG023672.D
Acq: 13 Aug 2016 1:22

Tgt Ion:	276	Resp:	470844
Ion Ratio	Lower	Upper	
276	100		
138	15.5	22.1	33.1#
277	26.7	17.0	25.4#

