

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
 Data File : BG023701.D
 Acq On : 13 Aug 2016 23:31
 Operator : UM/SJ
 Sample : H4385-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS003-1218-01

Manual Integrations
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Quant Time: Aug 15 19:06:34 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 06:38:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	108119	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	488807	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	306440	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.65	188	704703	20.00	ng/ul	0.09
75) Chrysene-d12	21.88	240	642787m	20.00	ng/ul	0.00
83) Perylene-d12	25.28	264	655921	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	7695	3.03	ng/uL	0.00
5) Phenol-d5	7.27	99	213795	19.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.43	67	146841	21.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	158179	21.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.83	113	119102	14.01	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	88167m	22.88	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	102987	23.27	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.57	165	178604	21.40	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	94785m	9.68	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	581481	23.18	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	694773	24.60	ng/ul	0.00
51) 4-Nitrophenol-d4	15.01	143	69772	16.29	ng/ul	0.01
57) Fluorene-d10	15.78	176	516876	22.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	71023m	15.71	ng/ul	0.00
70) Anthracene-d10	17.65	188	704985m	22.20	ng/ul	0.00
76) Pyrene-d10	19.94	212	757250	23.27	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.04	264	730334	24.60	ng/ul	0.00

Target Compounds

						Ovalue
44) Dimethylphthalate	14.23	163	264828	10.66	ng/ul	98
47) Acenaphthylene	14.51	152	81159	2.75	ng/ul	96
58) Fluorene	15.84	166	26417	1.06	ng/ul#	93
69) Phenanthrene	17.59	178	495564	13.58	ng/ul	96
71) Anthracene	17.69	178	58533m	1.57	ng/ul	
74) Fluoranthene	19.61	202	764496m	20.46	ng/ul	
77) Pyrene	19.97	202	928436m	23.36	ng/ul	
80) Benzo(a)anthracene	21.85	228	474352m	13.10	ng/ul	
82) Chrysene	21.92	228	490114	14.89	ng/ul	96
85) Benzo(b)fluoranthene	24.20	252	525704	14.09	ng/ul#	94
86) Benzo(k)fluoranthene	24.26	252	192363m	5.24	ng/ul	
88) Benzo(a)pyrene	25.11	252	410648	11.40	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	29.19	276	247606m	5.85	ng/ul	
90) Dibenzo(a,h)anthracene	29.24	278	78066m	2.16	ng/ul	
91) Benzo(g,h,i)perylene	30.41	276	248770m	7.09	ng/ul	

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

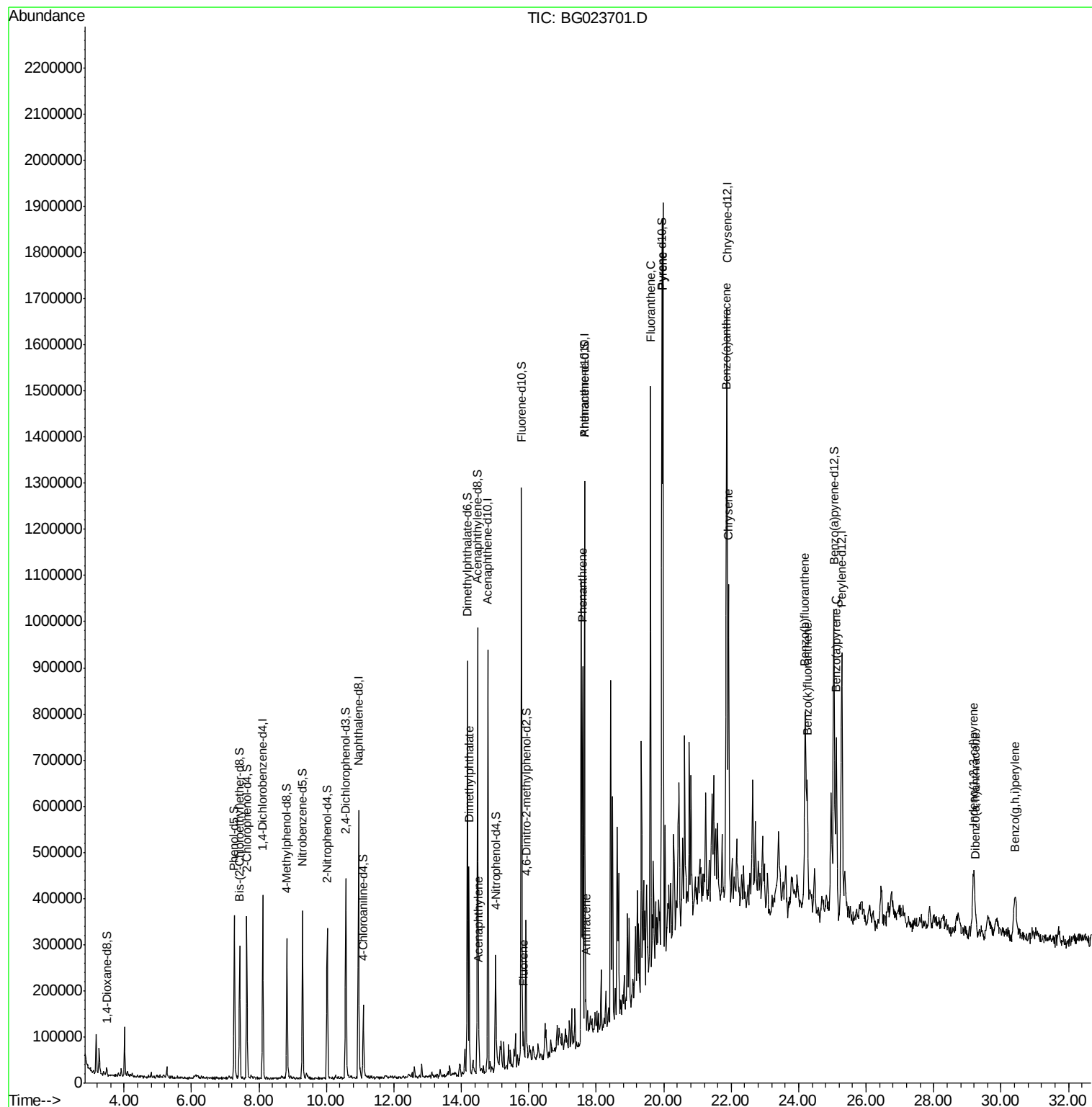
Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023701.D
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Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

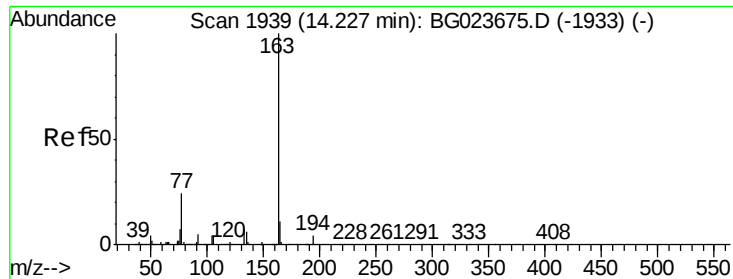
Instrument :
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P002-SS003-1218-01

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Quant Title : SVOA CALIBRATION
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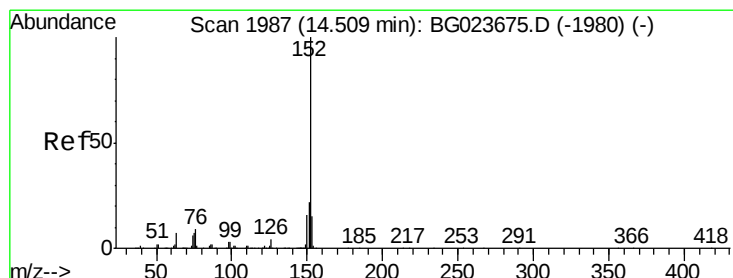
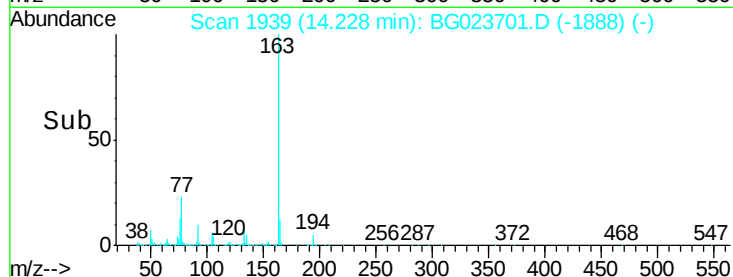
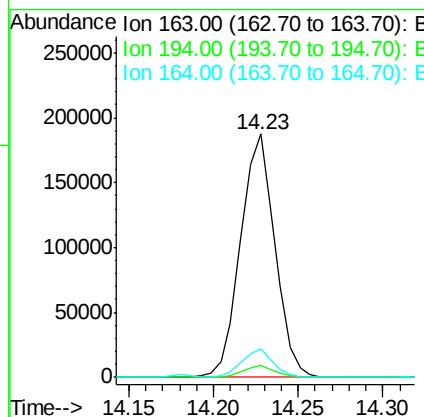
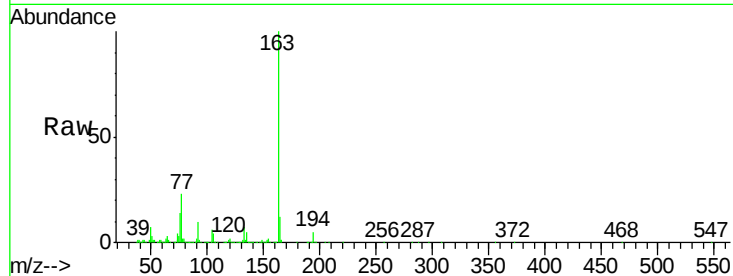
#44
Dimethylphthalate
Concen: 10.66 ng/ul
RT: 14.23 min Scan# 1939
Delta R.T. 0.00 min
Lab File: BG023701.D
Acq: 13 Aug 2016 23:31

Instrument :
BNA_G
ClientSampleId :
P002-SS003-1218-01

Tot Ion	Ratio	Resp	Lower	Upper
163	100	264828		
194	5.0		3.4	5.2
164	11.6		8.8	13.2

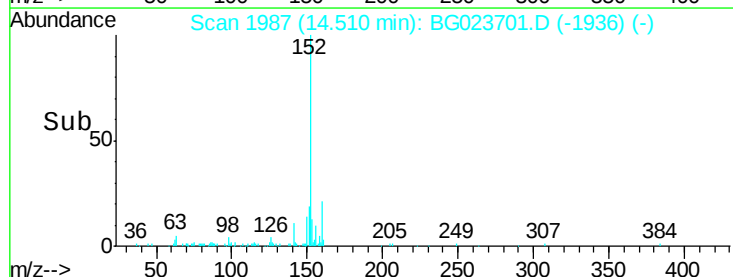
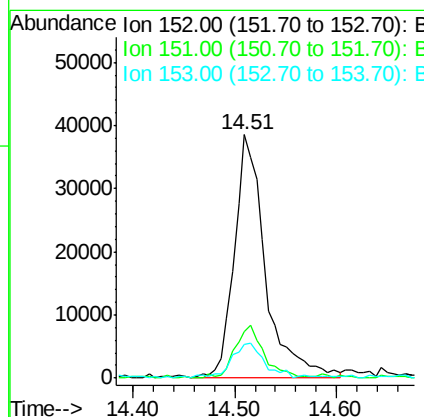
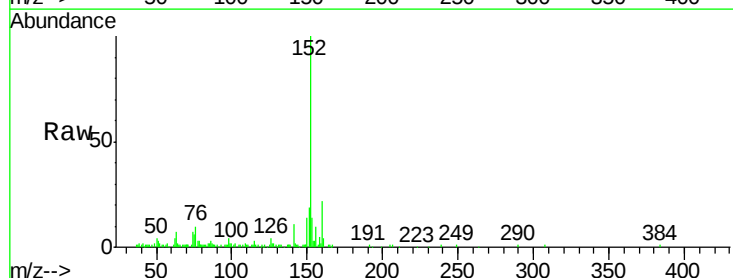
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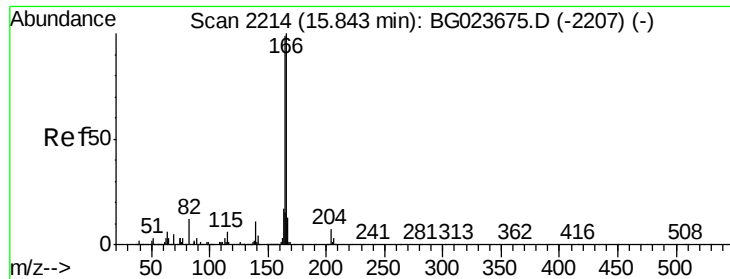
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#47
Acenaphthylene
Concen: 2.75 ng/ul
RT: 14.51 min Scan# 1987
Delta R.T. 0.00 min
Lab File: BG023701.D
Acq: 13 Aug 2016 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	81159		
151	19.1		17.5	26.3
153	13.6		11.1	16.7





#58

Fluorene

Concen: 1.06 ng/ul

RT: 15.84 min Scan# 2213

Delta R.T. -0.01 min

Lab File: BG023701.D

Acq: 13 Aug 2016 23:31

Instrument :

BNA_G

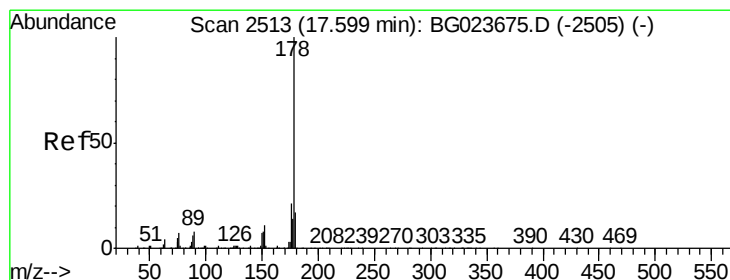
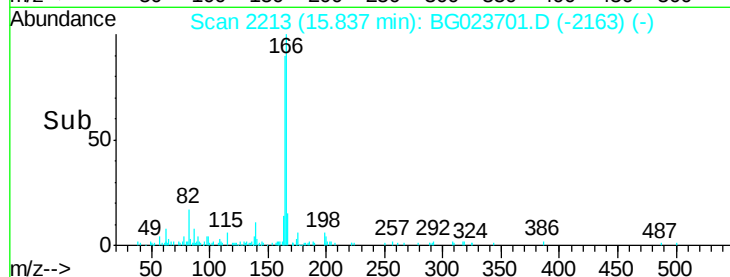
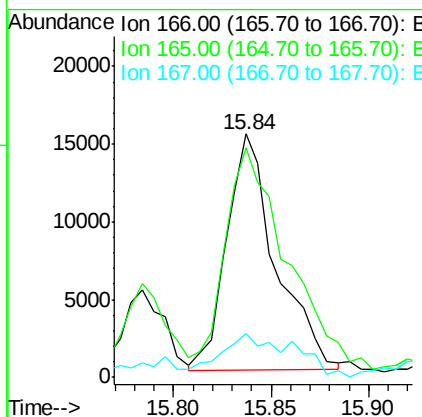
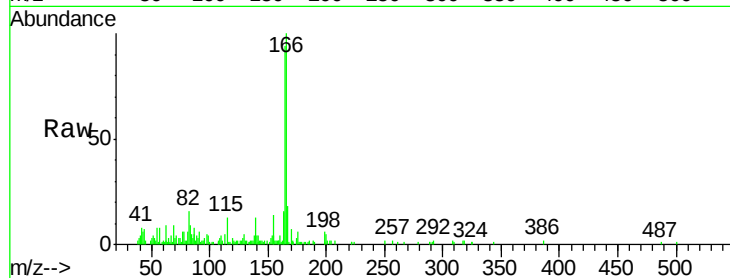
ClientSampleId :

P002-SS003-1218-01

Tot Ion:	166	Resp:	26417
Ion Ratio	Lower	Upper	
166	100		
165	94.1	80.3	120.5
167	18.0	10.3	15.5#

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#69

Phenanthrene

Concen: 13.58 ng/ul

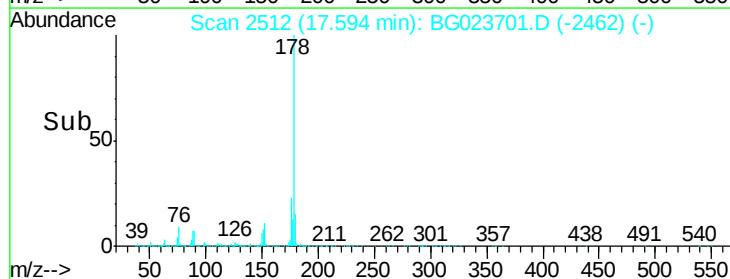
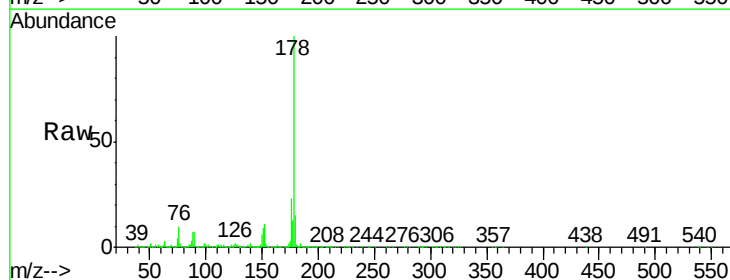
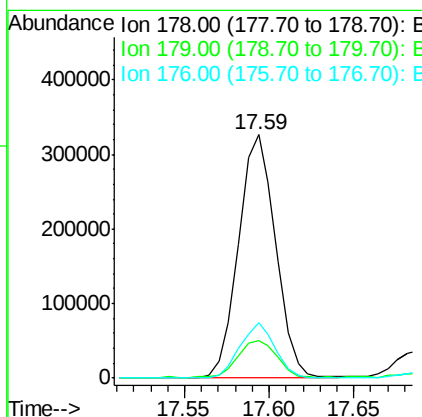
RT: 17.59 min Scan# 2512

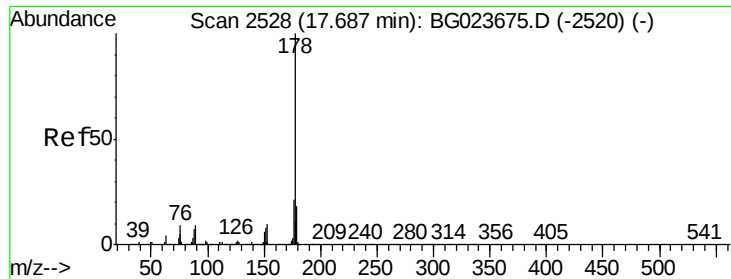
Delta R.T. -0.01 min

Lab File: BG023701.D

Acq: 13 Aug 2016 23:31

Tgt Ion:	178	Resp:	495564
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.9	19.3
176	22.5	15.8	23.8





#71

Anthracene

Concen: 1.57 ng/ul m

RT: 17.69 min Scan# 2528

Delta R.T. 0.00 min

Lab File: BG023701.D

Acq: 13 Aug 2016 23:31

Instrument :

BNA_G

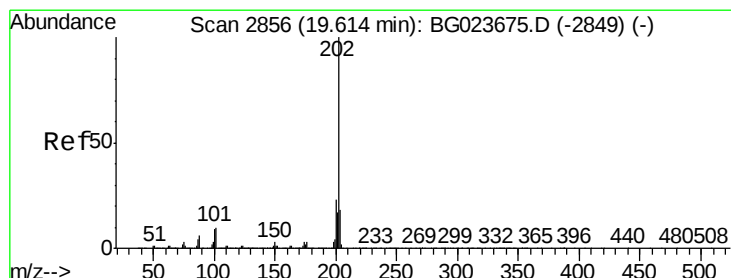
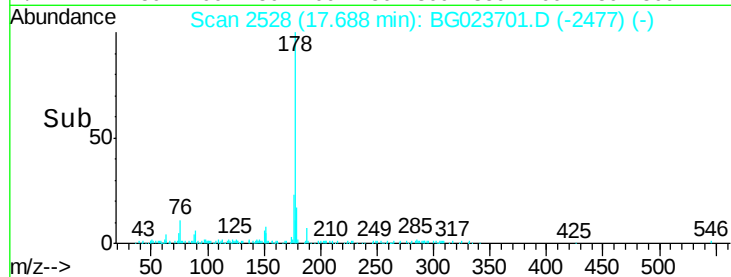
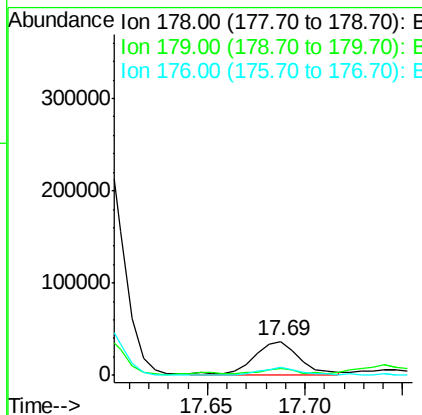
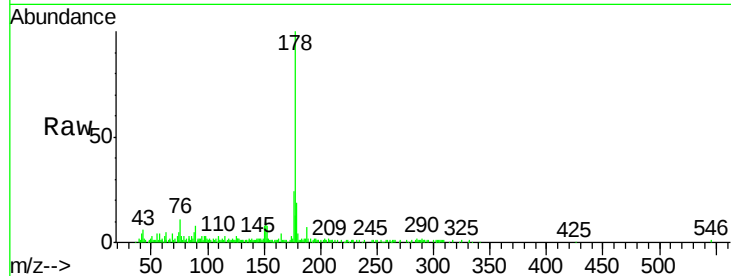
ClientSampleId :

P002-SS003-1218-01

Tot Ion	Ratio	Lower	Upper
178	100		
179	18.9	12.3	18.5#
176	24.2	16.3	24.5

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#74

Fluoranthene

Concen: 20.46 ng/ul m

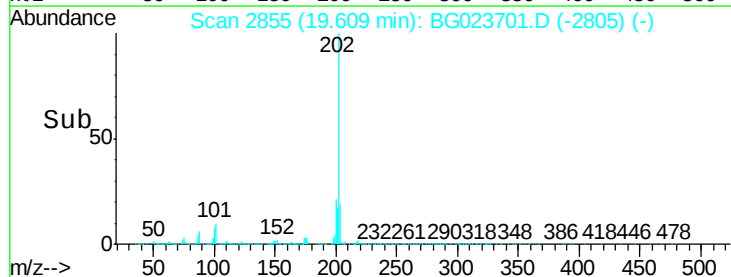
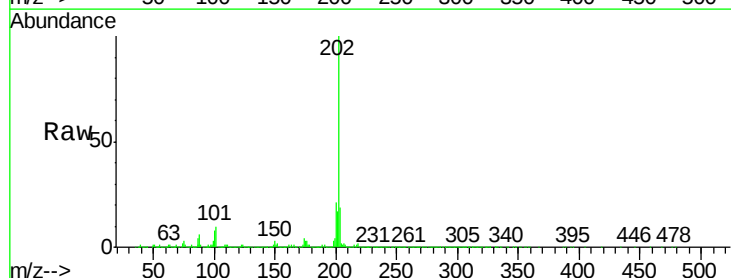
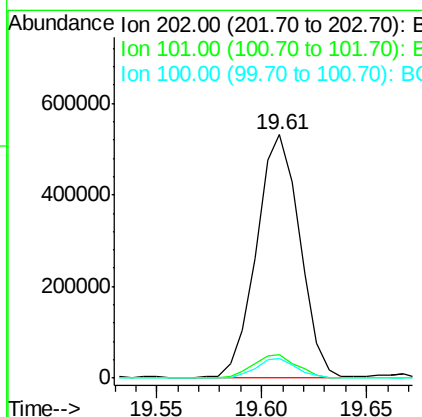
RT: 19.61 min Scan# 2855

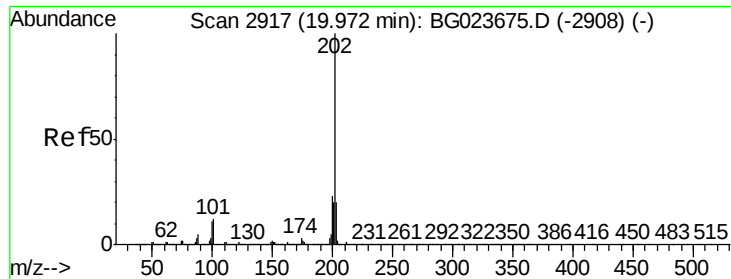
Delta R.T. -0.01 min

Lab File: BG023701.D

Acq: 13 Aug 2016 23:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	10.6	16.0#
100	8.3	8.7	13.1#





#77

Pvrene

Concen: 23.36 ng/ul m

RT: 19.97 min Scan# 2917

Delta R.T. 0.00 min

Lab File: BG023701.D

Acq: 13 Aug 2016 23:31

Instrument :

BNA_G

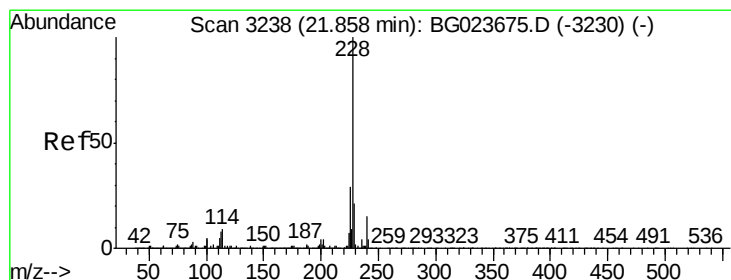
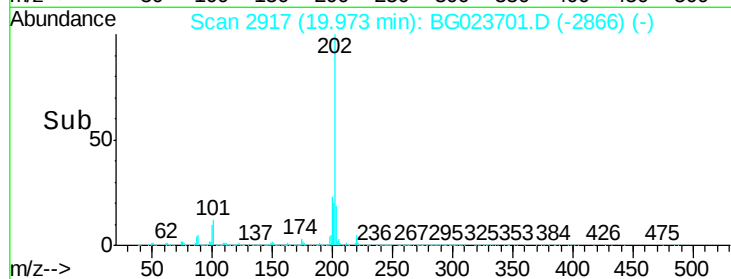
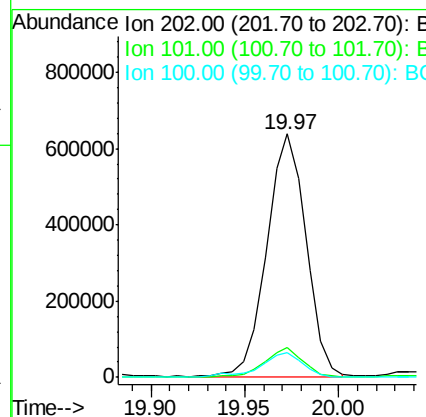
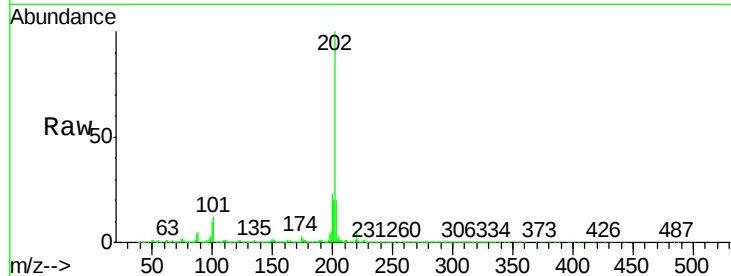
ClientSampleId :

P002-SS003-1218-01

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.4	12.5	18.7#
100	10.0	10.2	15.4#

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#80

Benzo(a)anthracene

Concen: 13.10 ng/ul m

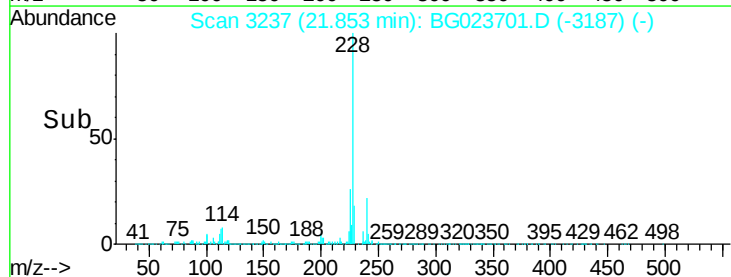
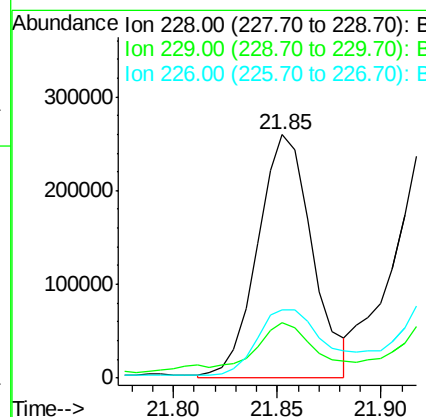
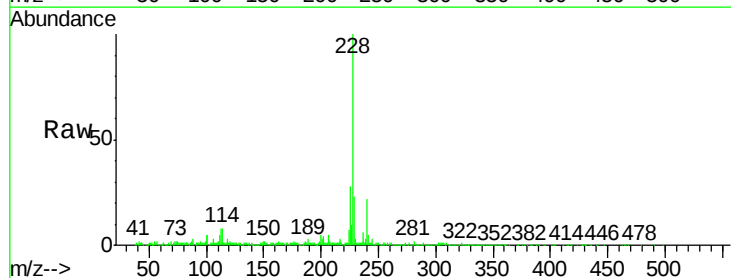
RT: 21.85 min Scan# 3237

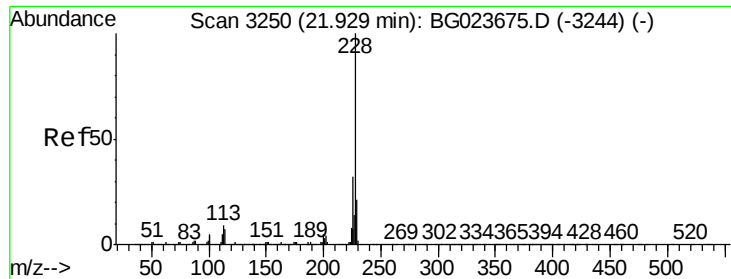
Delta R.T. -0.01 min

Lab File: BG023701.D

Acq: 13 Aug 2016 23:31

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	22.6	15.4	23.2
226	27.9	22.8	34.2





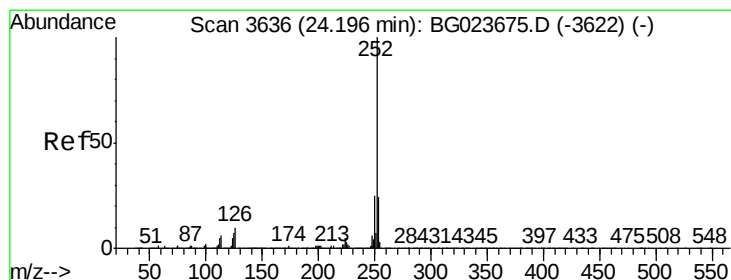
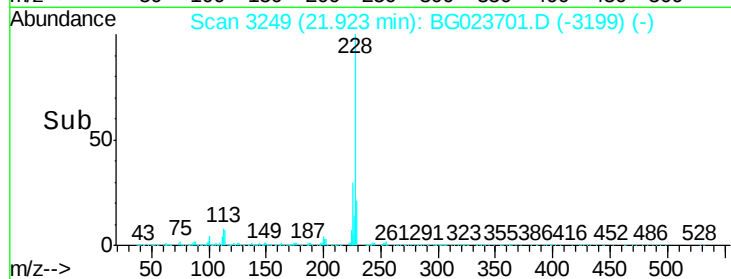
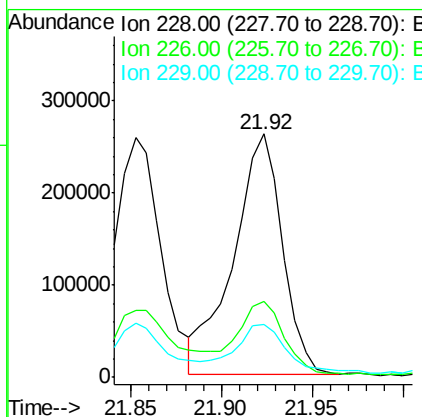
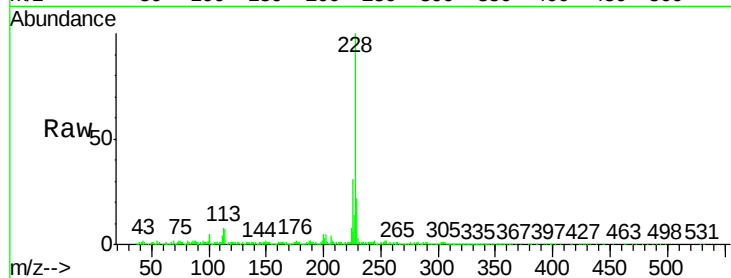
#82
Chrysene
Concen: 14.89 ng/ul
RT: 21.92 min Scan# 3249
Delta R.T. -0.01 min
Lab File: BG023701.D
Acq: 13 Aug 2016 23:31

Instrument :
BNA_G
ClientSampleId :
P002-SS003-1218-01

Tot Ion:	228	Resp:	490114
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.2	36.4
229	21.7	15.0	22.6

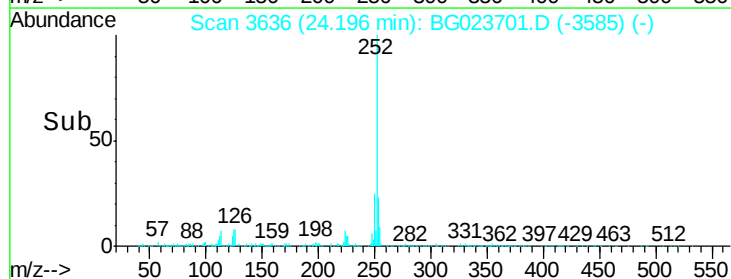
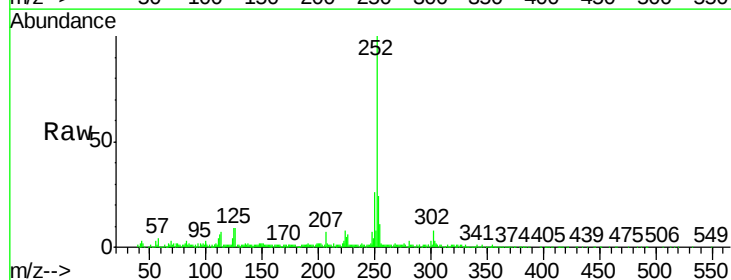
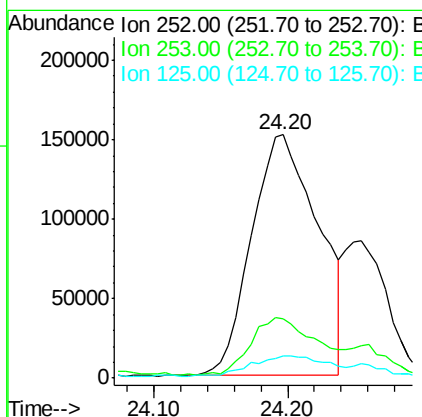
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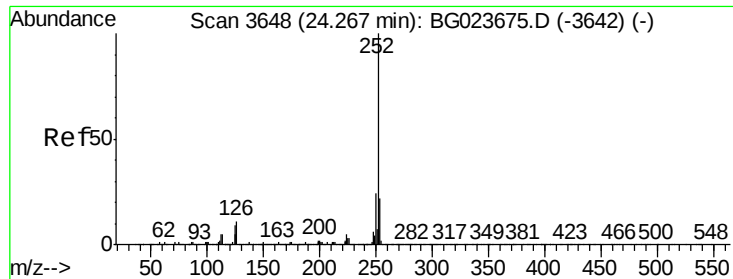
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#85
Benzo(b)fluoranthene
Concen: 14.09 ng/ul
RT: 24.20 min Scan# 3636
Delta R.T. 0.00 min
Lab File: BG023701.D
Acq: 13 Aug 2016 23:31

Tgt Ion:	252	Resp:	525704
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.2	27.2
125	9.2	10.8	16.2#





#86

Benzo(k)fluoranthene

Concen: 5.24 ng/ul m

RT: 24.26 min Scan# 3646

Delta R.T. -0.01 min

Lab File: BG023701.D

Acq: 13 Aug 2016 23:31

Instrument :

BNA_G

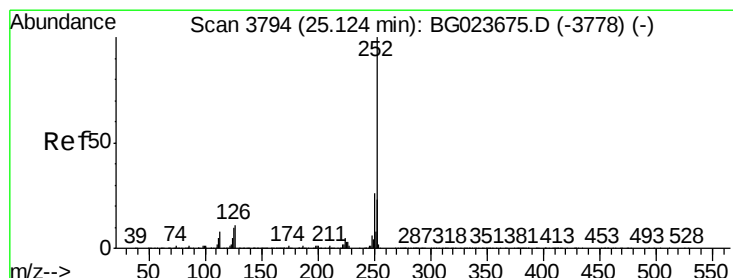
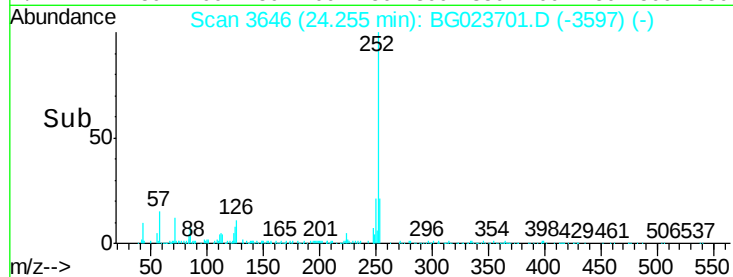
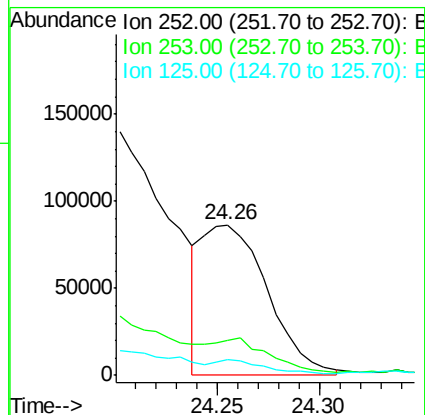
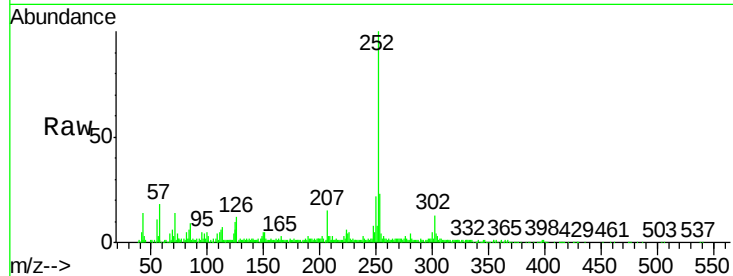
ClientSampleId :

P002-SS003-1218-01

Tot Ion:	252	Resp:	192363
Ion Ratio	Lower	Upper	
252	100		
253	23.2	15.8	23.6
125	10.4	10.6	16.0#

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#88

Benzo(a)pyrene

Concen: 11.40 ng/ul

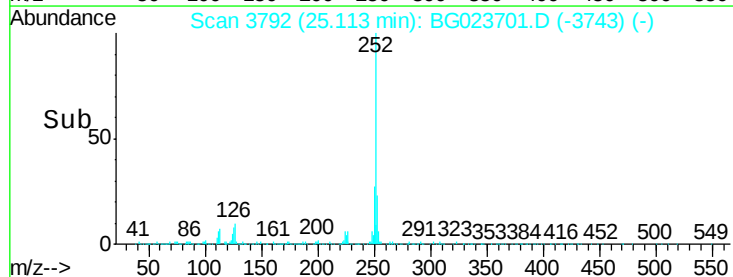
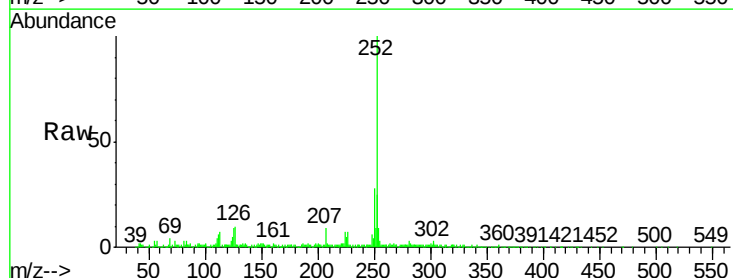
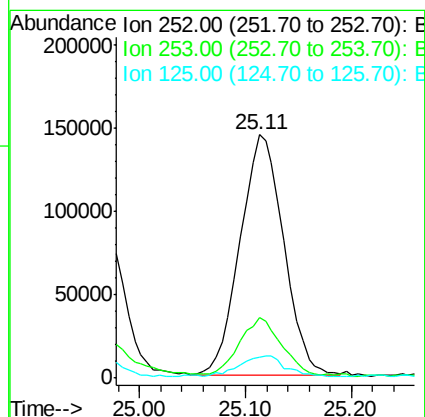
RT: 25.11 min Scan# 3792

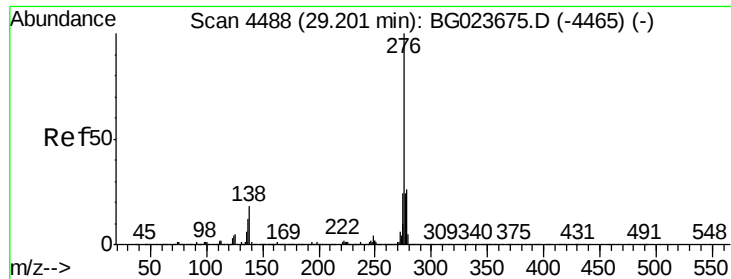
Delta R.T. -0.01 min

Lab File: BG023701.D

Acq: 13 Aug 2016 23:31

Tgt Ion:	252	Resp:	410648
Ion Ratio	Lower	Upper	
252	100		
253	24.8	19.0	28.4
125	8.6	12.0	18.0#





#89

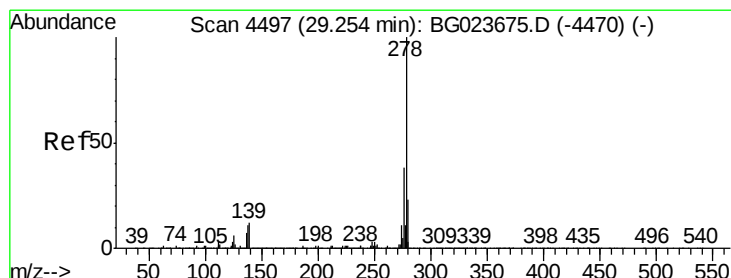
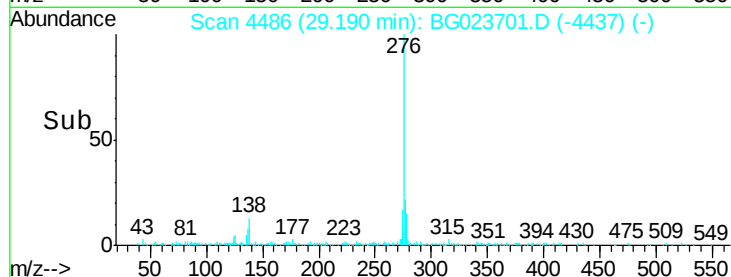
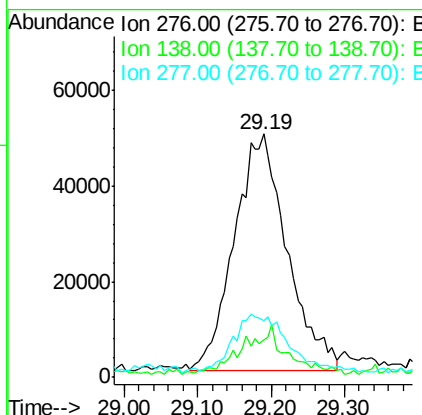
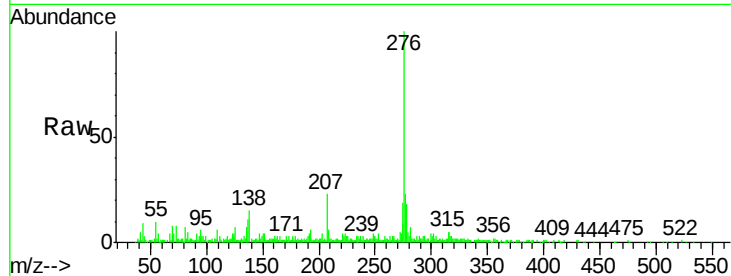
Indeno(1,2,3-cd)pyrene
Concen: 5.85 ng/ul m
RT: 29.19 min Scan# 4486
Delta R.T. -0.01 min
Lab File: BG023701.D
Acq: 13 Aug 2016 23:31

Instrument :
BNA_G
ClientSampleId :
P002-SS003-1218-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.2	20.8	31.2#
277	23.3	17.6	26.4

Manual Integrations
APPROVED

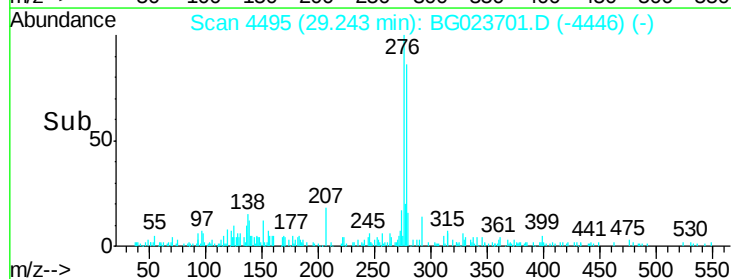
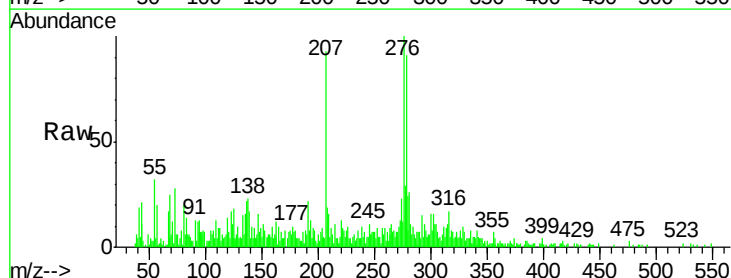
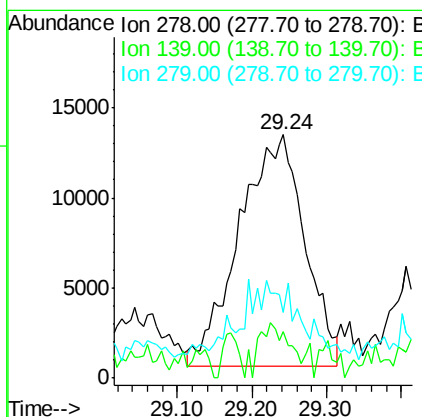
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8/16/2016 6:59:39 PM

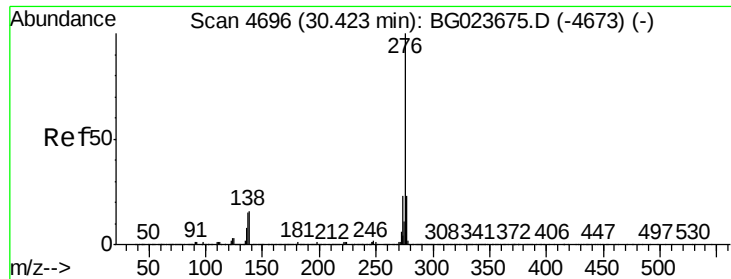


#90

Dibenzo(a,h)anthracene
Concen: 2.16 ng/ul m
RT: 29.24 min Scan# 4495
Delta R.T. -0.01 min
Lab File: BG023701.D
Acq: 13 Aug 2016 23:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.0	16.3	24.5
279	26.9	19.1	28.7





#91
 Benzo(a,h,i)perylene
 Concen: 7.09 ng/ul m
 RT: 30.41 min Scan# 4693
 Delta R.T. -0.02 min
 Lab File: BG023701.D
 Acq: 13 Aug 2016 23:31

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS003-1218-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	11.8	22.1	33.1#
277	27.0	17.0	25.4#

Manual Integrations
 APPROVED

umangi
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