

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
 Data File : BG023702.D
 Acq On : 14 Aug 2016 00:09
 Operator : UM/SJ
 Sample : H4385-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS003-2430-01

Manual Integrations
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Quant Time: Aug 15 19:15:24 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	126224	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	560837	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	341641	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	701288	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	724234	20.00	ng/ul	0.00
83) Perylene-d12	25.29	264	750969	20.00	ng/ul	0.00

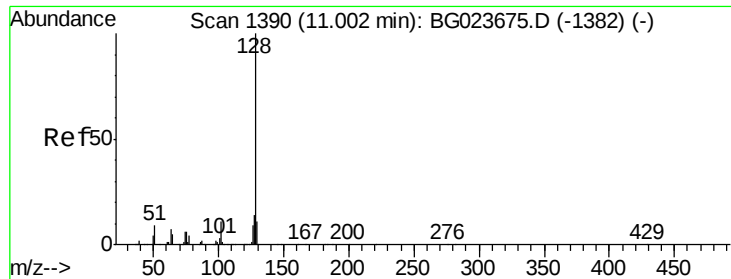
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	11135	3.75	ng/uL	0.00
5) Phenol-d5	7.27	99	303140	23.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.43	67	199605	24.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	215385	24.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.83	113	227572	22.92	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	121403m	27.46	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	140524	27.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	241556m	25.22	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	241481	21.49	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	754346	26.97	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	914392	29.05	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	106036	22.21	ng/ul	0.00
57) Fluorene-d10	15.78	176	659973	25.53	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	93141	20.70	ng/ul	0.00
70) Anthracene-d10	17.65	188	930221	29.44	ng/ul	0.00
76) Pyrene-d10	19.95	212	1005149	27.42	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.05	264	1021612	30.05	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	11.00	128	33794	1.19	ng/ul	97
34) 2-Methylnaphthalene	12.61	142	45046	1.95	ng/ul	98
44) Dimethylphthalate	14.23	163	362343	13.08	ng/ul	98
47) Acenaphthylene	14.51	152	256019	7.78	ng/ul	98
49) Acenaphthene	14.85	153	30120	1.34	ng/ul	94
58) Fluorene	15.84	166	135017	4.88	ng/ul	96
69) Phenanthrene	17.59	178	1655314	45.58	ng/ul	95
71) Anthracene	17.69	178	252555	6.82	ng/ul	98
72) Carbazole	17.96	167	52254	1.75	ng/ul#	90
74) Fluoranthene	19.61	202	2108541m	56.71	ng/ul	
77) Pyrene	19.98	202	2402422	53.66	ng/ul	96
80) Benzo(a)anthracene	21.86	228	1510040	37.02	ng/ul#	92
81) Bis(2-ethylhexyl)phthalate	21.73	149	1214376	53.18	ng/ul#	96
82) Chrysene	21.93	228	1475216	39.78	ng/ul#	91
85) Benzo(b)fluoranthene	24.21	252	1587855	37.17	ng/ul#	94
86) Benzo(k)fluoranthene	24.26	252	645197m	15.34	ng/ul	
88) Benzo(a)pyrene	25.12	252	1309817	31.76	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	29.20	276	730485m	15.07	ng/ul	
90) Dibenzo(a,h)anthracene	29.24	278	215585m	5.22	ng/ul	
91) Benzo(g,h,i)perylene	30.42	276	616426	15.34	ng/ul#	84

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



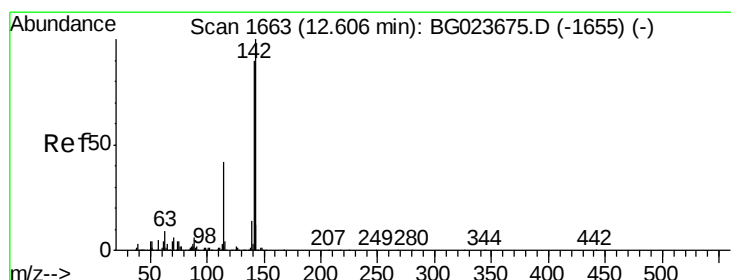
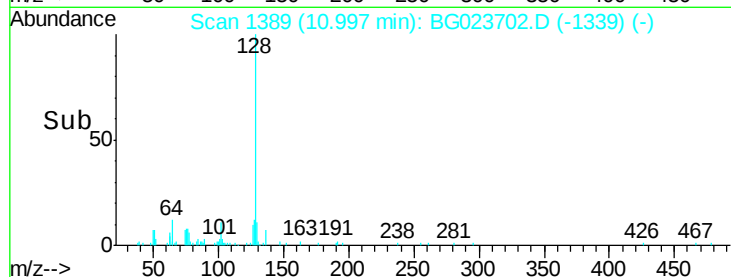
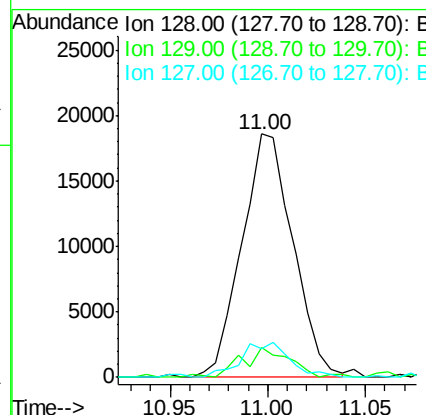
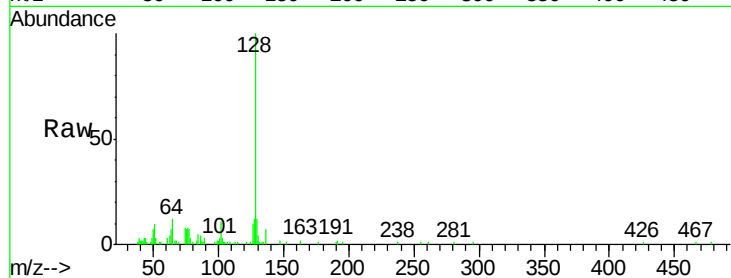
#28
Naphthalene
Concen: 1.19 ng/ul
RT: 11.00 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BG023702.D
Acq: 14 Aug 2016 00:09

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.4	14.2
127	12.0	11.2	16.8

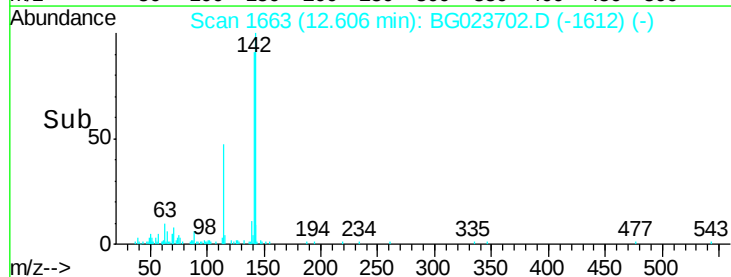
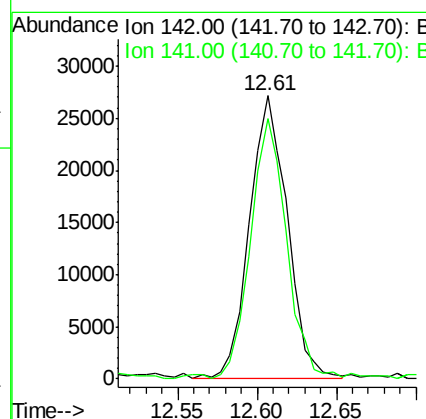
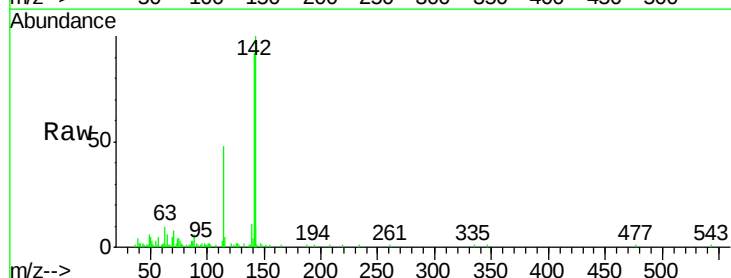
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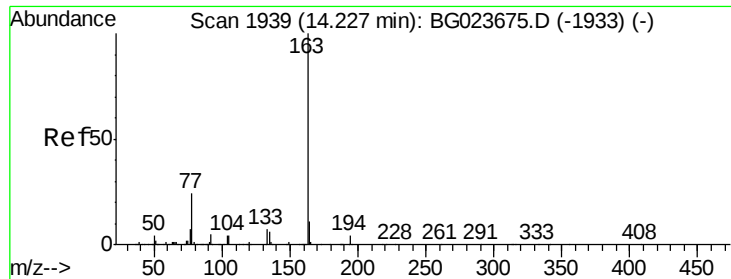
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#34
2-Methylnaphthalene
Concen: 1.95 ng/ul
RT: 12.61 min Scan# 1663
Delta R.T. 0.00 min
Lab File: BG023702.D
Acq: 14 Aug 2016 00:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	75.2	112.8





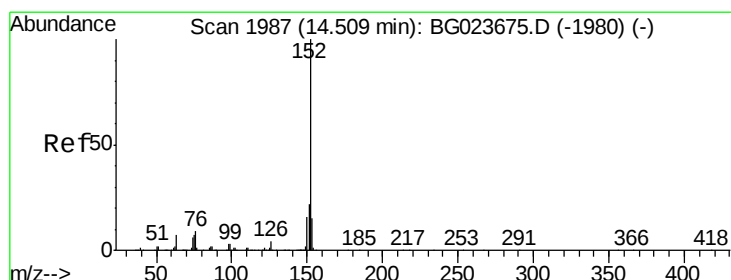
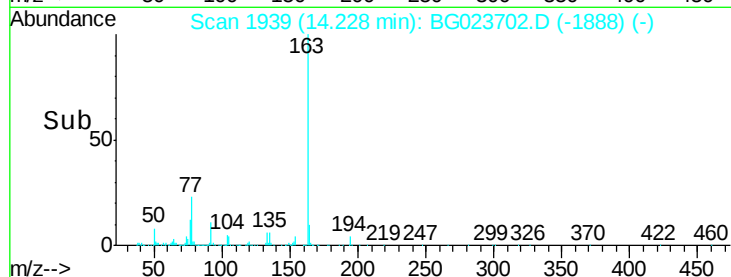
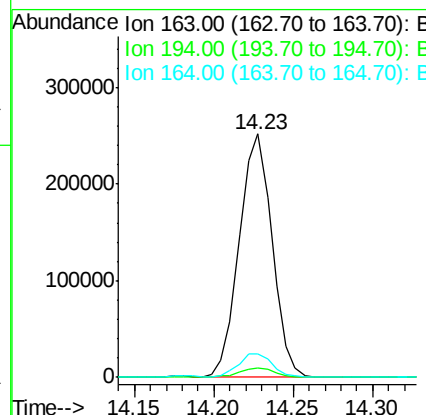
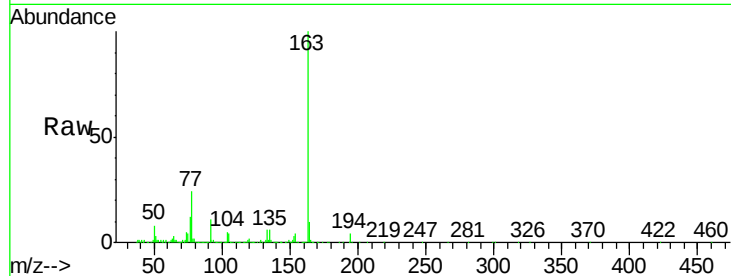
#44
Dimethylphthalate
Concen: 13.08 ng/ul
RT: 14.23 min Scan# 1939
Delta R.T. 0.00 min
Lab File: BG023702.D
Acq: 14 Aug 2016 00:09

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Tot Ion	Ratio	Resp	Lower	Upper
163	100	362343		
194	4.0		3.4	5.2
164	9.9		8.8	13.2

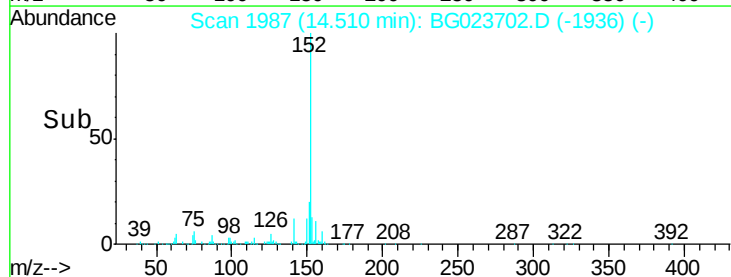
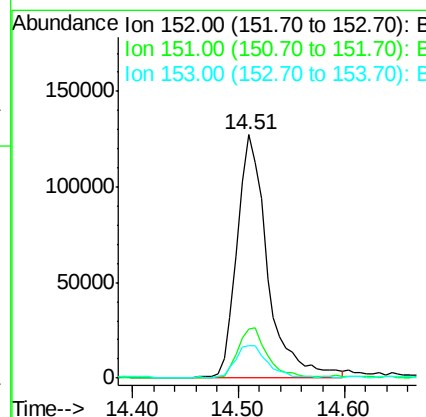
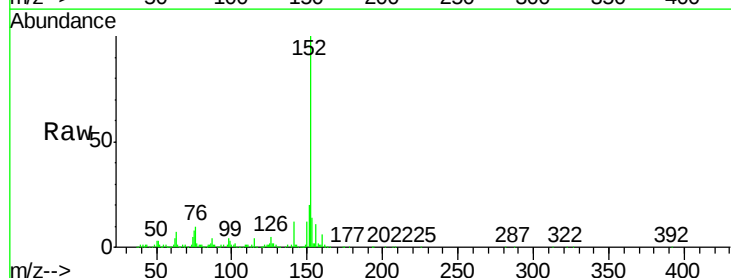
Manual Integrations
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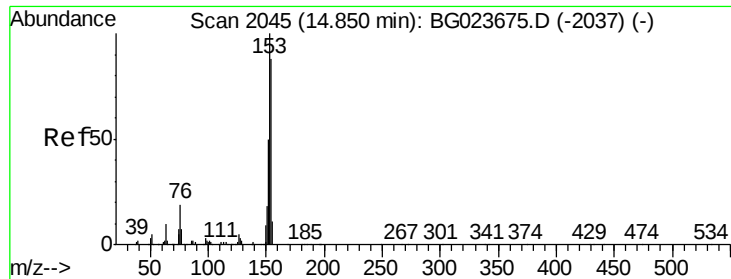
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#47
Acenaphthylene
Concen: 7.78 ng/ul
RT: 14.51 min Scan# 1987
Delta R.T. 0.00 min
Lab File: BG023702.D
Acq: 14 Aug 2016 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	256019		
151	20.4		17.5	26.3
153	13.5		11.1	16.7





#49

Acenaphthene

Concen: 1.34 ng/ul

RT: 14.85 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BG023702.D

Acq: 14 Aug 2016 00:09

Instrument :

BNA_G

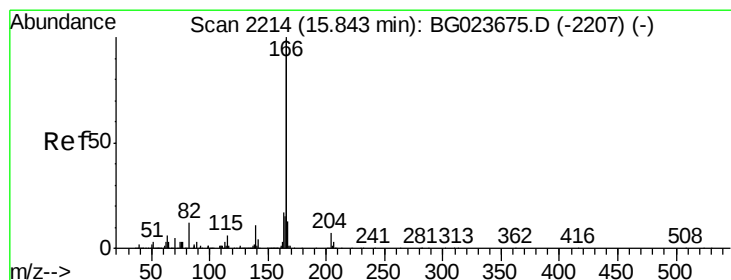
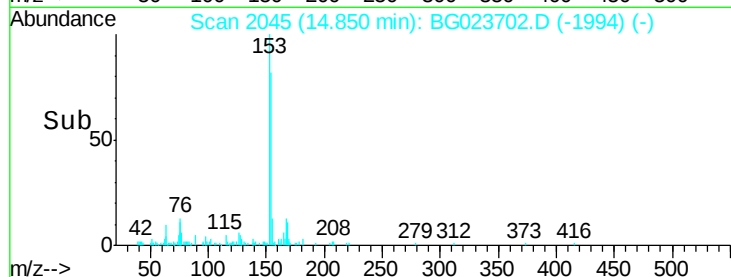
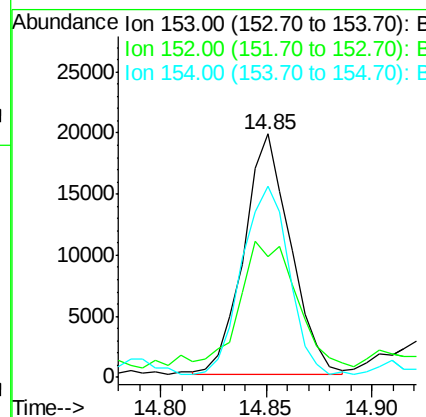
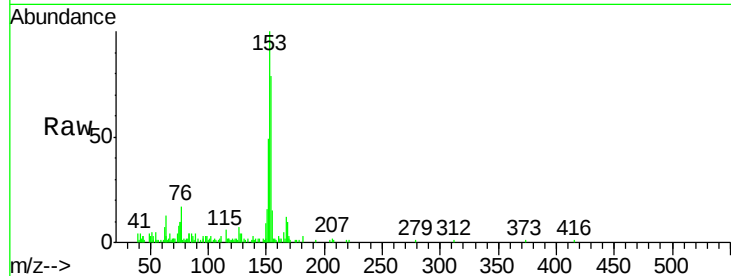
ClientSampleId :

P002-SS003-2430-01

Tot Ion:	153	Resp:	30120
Ion Ratio	Lower	Upper	
153	100		
152	49.4	37.3	55.9
154	78.7	68.2	102.2

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#58

Fluorene

Concen: 4.88 ng/ul

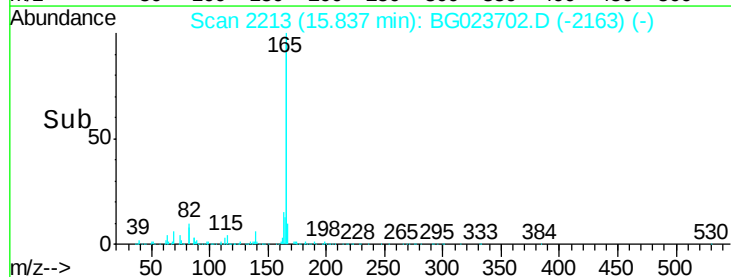
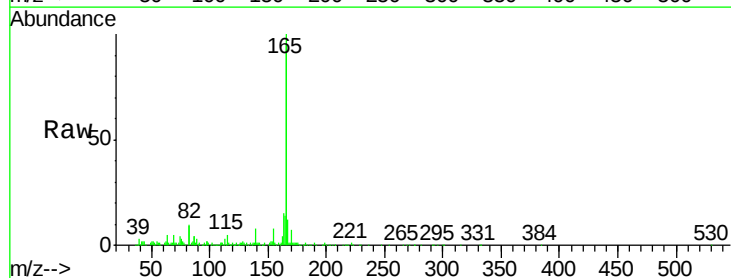
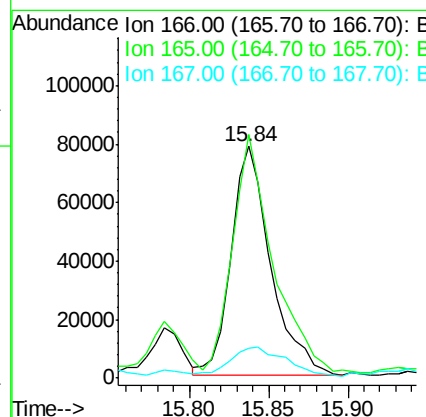
RT: 15.84 min Scan# 2213

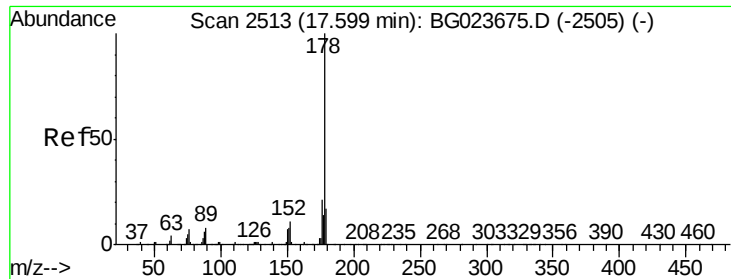
Delta R.T. -0.01 min

Lab File: BG023702.D

Acq: 14 Aug 2016 00:09

Tgt Ion:	166	Resp:	135017
Ion Ratio	Lower	Upper	
166	100		
165	105.0	80.3	120.5
167	13.1	10.3	15.5





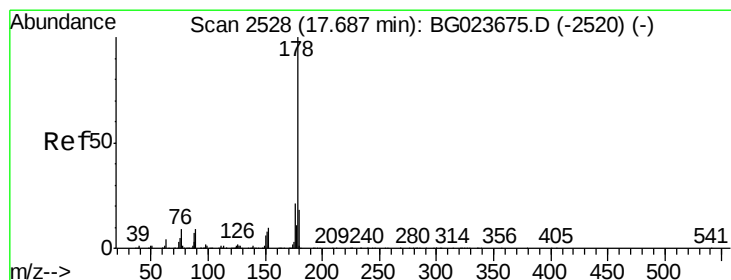
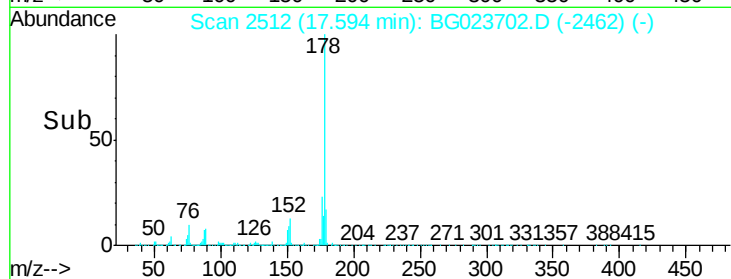
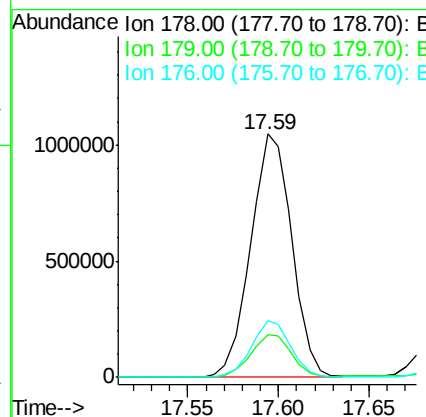
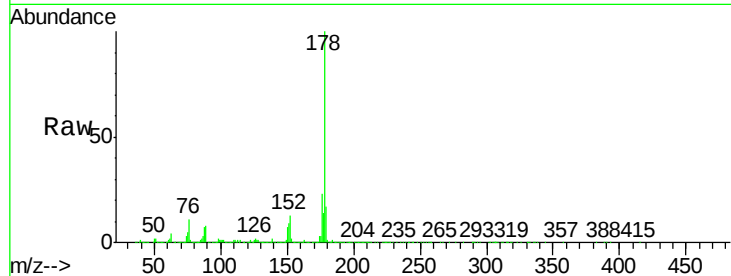
#69
Phenanthrene
Concen: 45.58 ng/ul
RT: 17.59 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BG023702.D
Acq: 14 Aug 2016 00:09

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.3	12.9	19.3
176	23.2	15.8	23.8

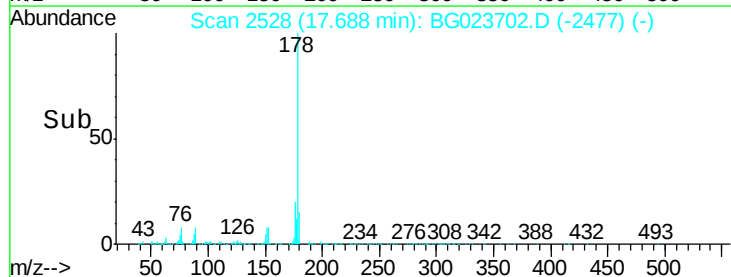
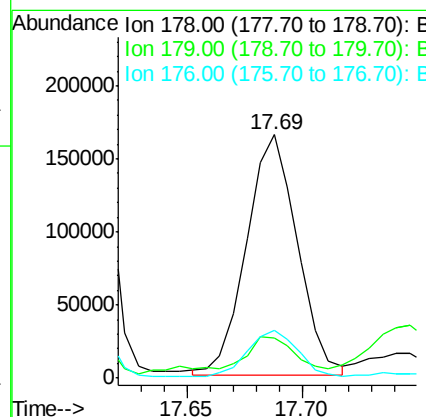
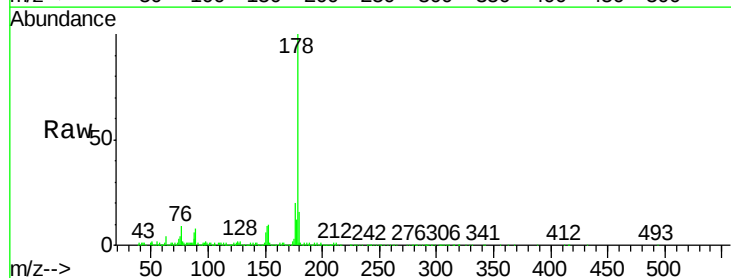
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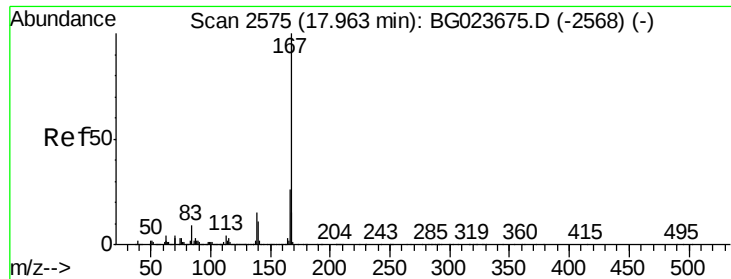
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#71
Anthracene
Concen: 6.82 ng/ul
RT: 17.69 min Scan# 2528
Delta R.T. 0.00 min
Lab File: BG023702.D
Acq: 14 Aug 2016 00:09

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.3	18.5
176	19.7	16.3	24.5





#72

Carbazole

Concen: 1.75 ng/ul

RT: 17.96 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BG023702.D

Acq: 14 Aug 2016 00:09

Instrument :

BNA_G

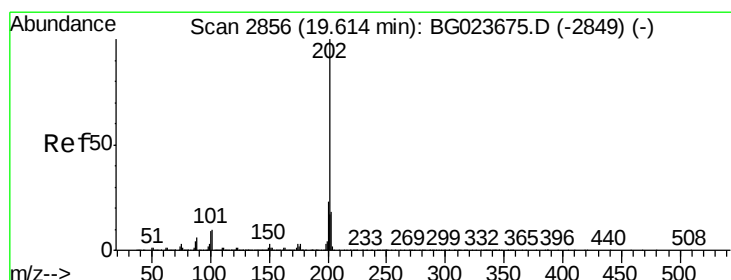
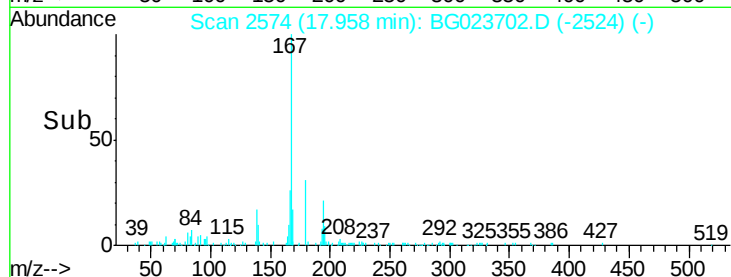
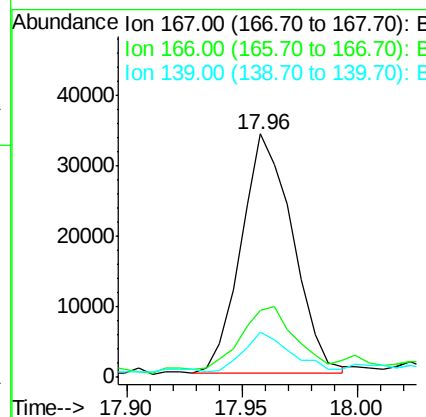
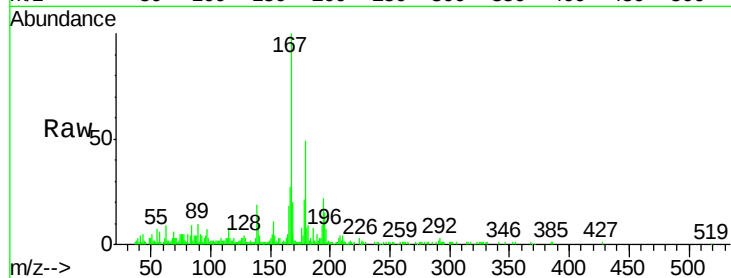
ClientSampleId :

P002-SS003-2430-01

Tot Ion:	167	Resp:	52254
Ion Ratio	Lower	Upper	
167	100		
166	27.3	19.2	28.8
139	18.7	10.2	15.4

Manual Integrations
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#74

Fluoranthene

Concen: 56.71 ng/ul m

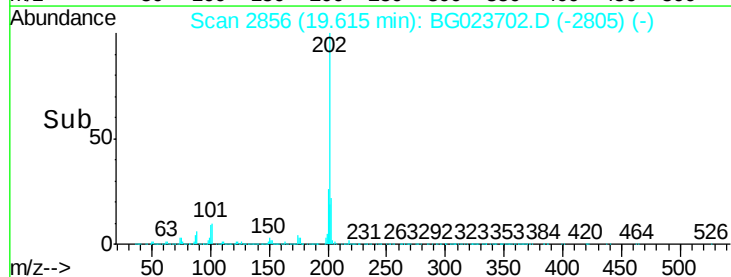
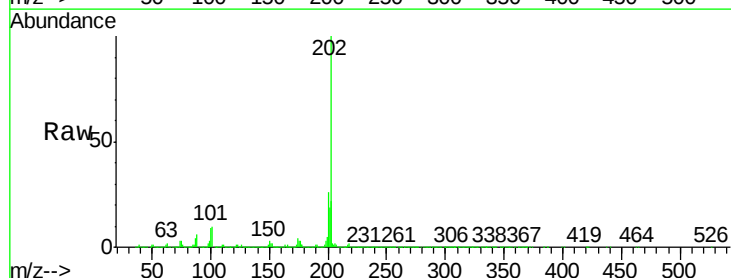
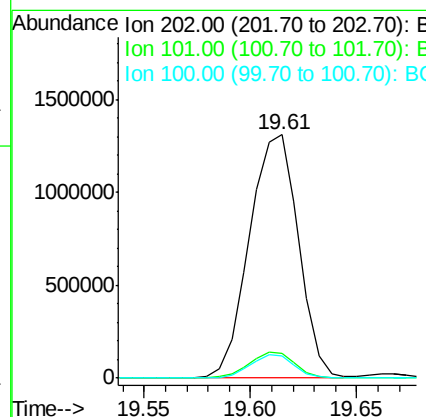
RT: 19.61 min Scan# 2856

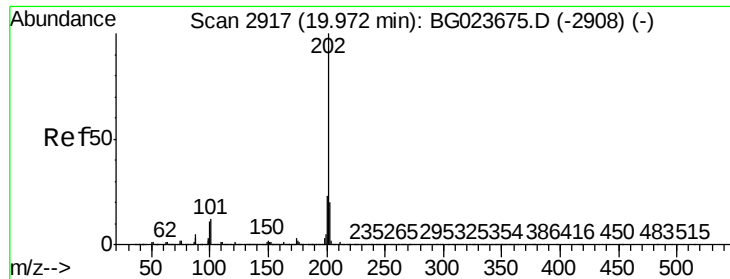
Delta R.T. 0.00 min

Lab File: BG023702.D

Acq: 14 Aug 2016 00:09

Tgt Ion:	202	Resp:	2108541
Ion Ratio	Lower	Upper	
202	100		
101	10.1	10.6	16.0
100	8.9	8.7	13.1





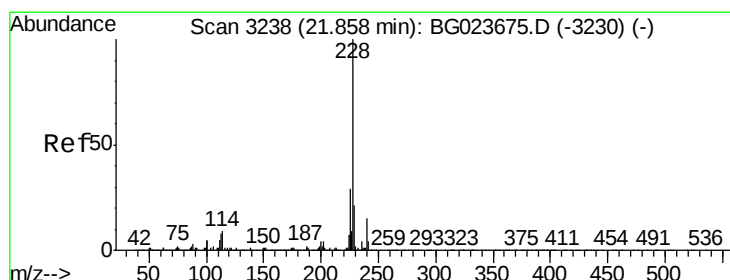
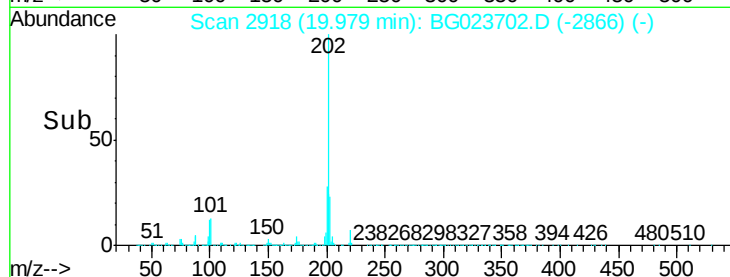
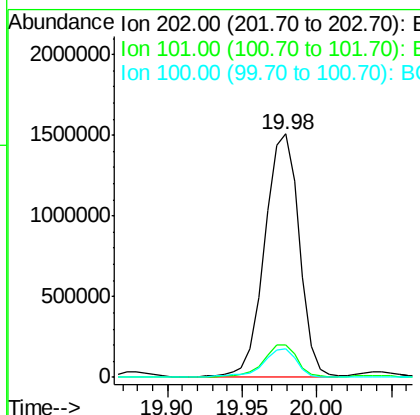
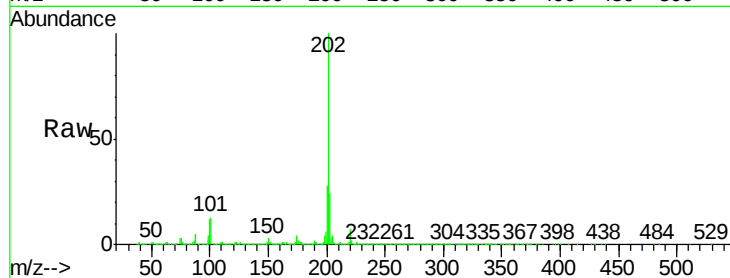
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Pvrene
Concen: 53.66 ng/ul
RT: 19.98 min Scan# 2918
Delta R.T. 0.01 min
Lab File: BG023702.D
Acq: 14 Aug 2016 00:09

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.2	12.5	18.7
100	11.7	10.2	15.4

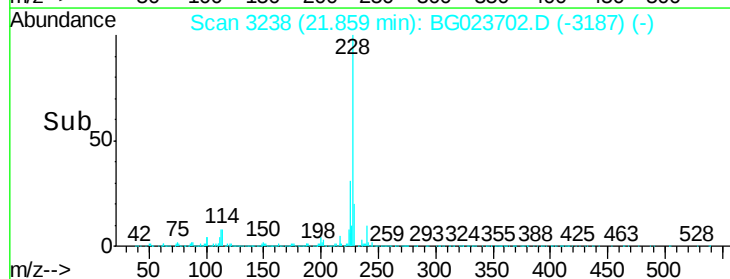
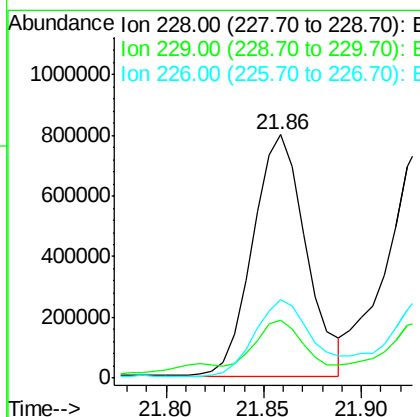
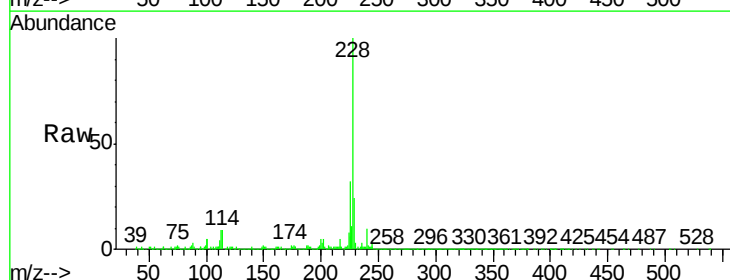
Manual Integrations
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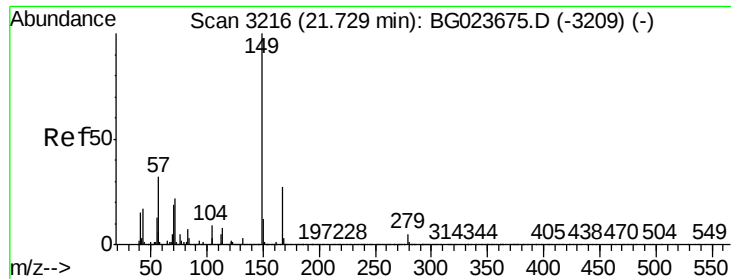
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#80
Benzo(a)anthracene
Concen: 37.02 ng/ul
RT: 21.86 min Scan# 3238
Delta R.T. 0.00 min
Lab File: BG023702.D
Acq: 14 Aug 2016 00:09

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.7	15.4	23.2#
226	32.4	22.8	34.2





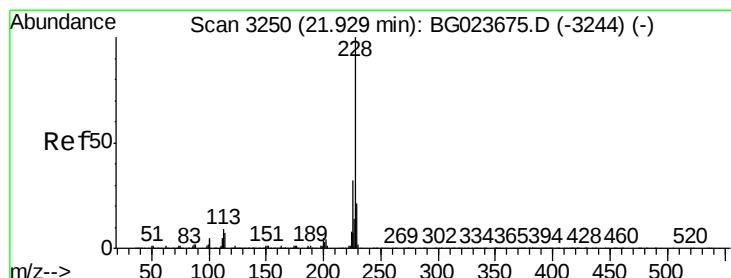
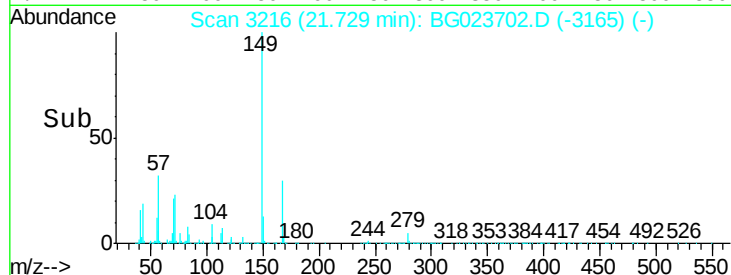
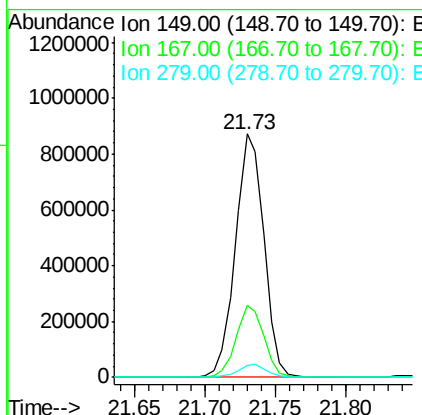
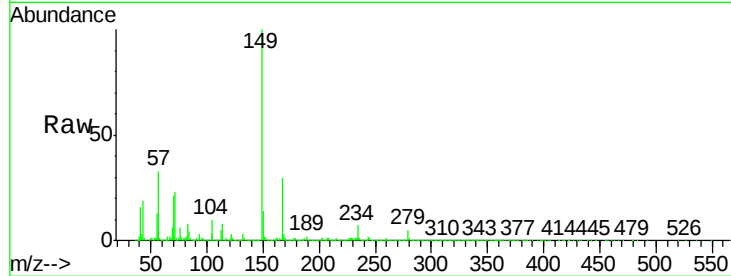
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 Bis(2-ethylhexyl)phthalate
 Concen: 53.18 ng/ul
 RT: 21.73 min Scan# 3216
 Delta R.T. 0.00 min
 Lab File: BG023702.D
 Acq: 14 Aug 2016 00:09

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS003-2430-01

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.6	21.9	32.9
279	5.0	2.9	4.3#

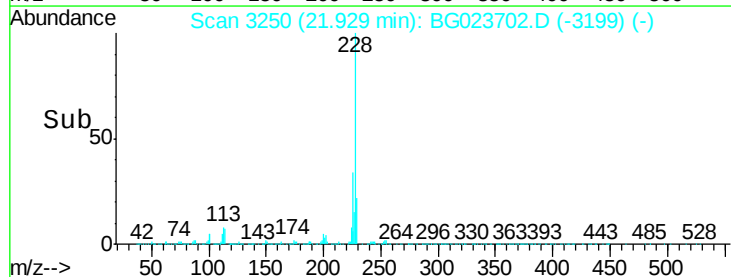
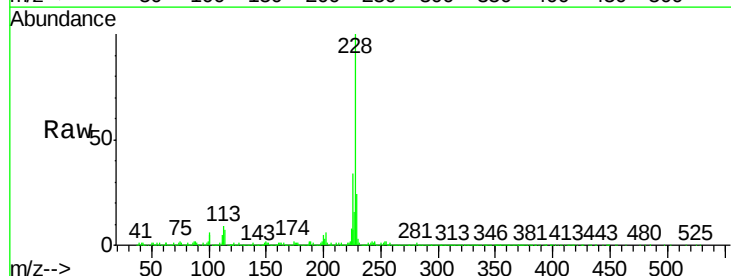
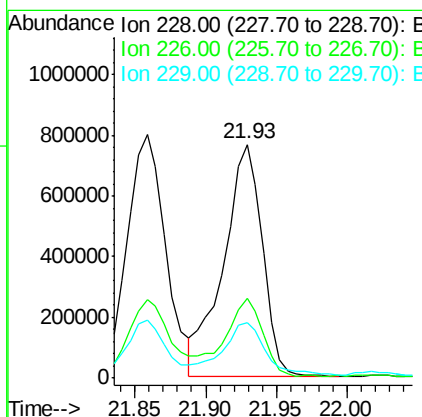
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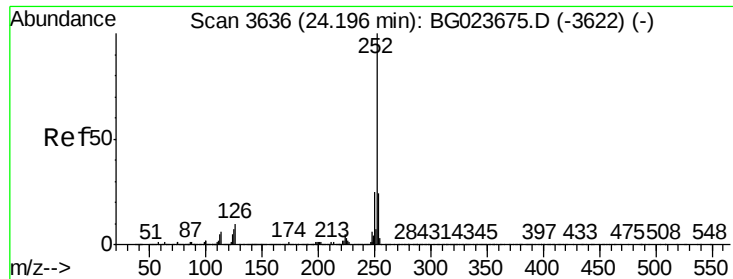
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#82
 Chrysene
 Concen: 39.78 ng/ul
 RT: 21.93 min Scan# 3250
 Delta R.T. 0.00 min
 Lab File: BG023702.D
 Acq: 14 Aug 2016 00:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.2	24.2	36.4
229	24.0	15.0	22.6#





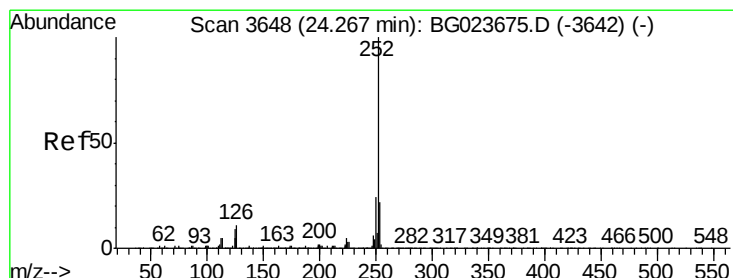
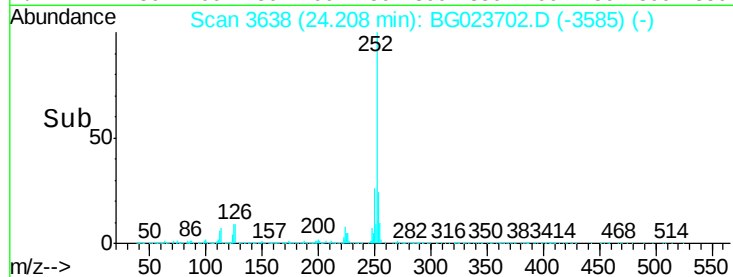
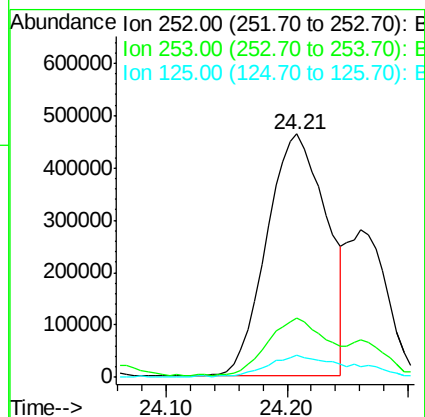
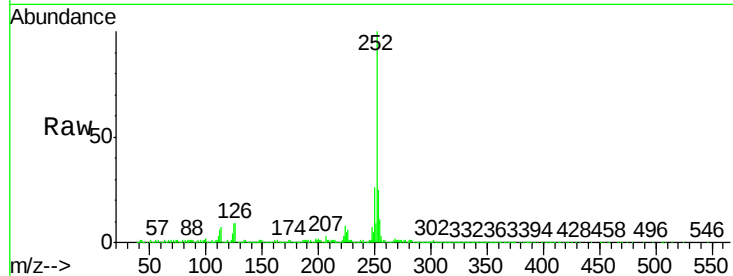
#85
Benzo(b)fluoranthene
Concen: 37.17 ng/ul
RT: 24.21 min Scan# 3638
Delta R.T. 0.01 min
Lab File: BG023702.D
Acq: 14 Aug 2016 00:09

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.2
125	9.3	10.8	16.2

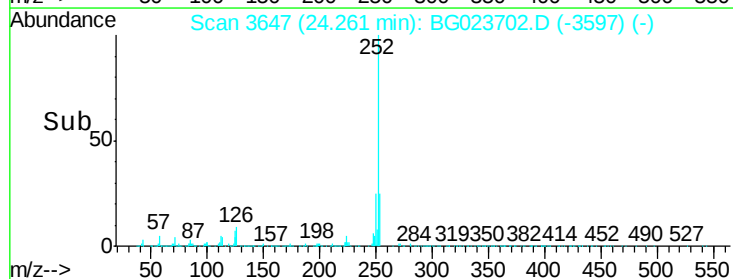
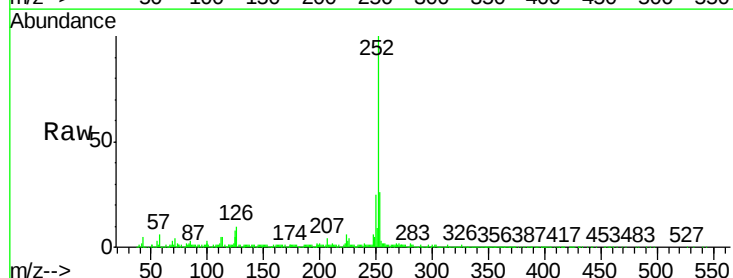
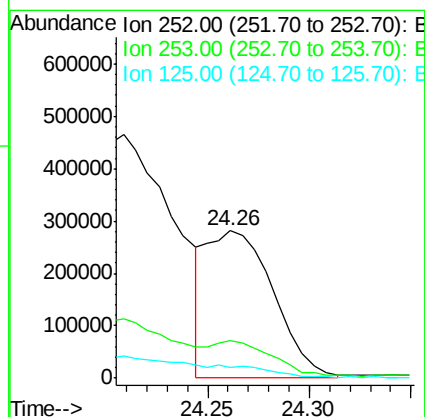
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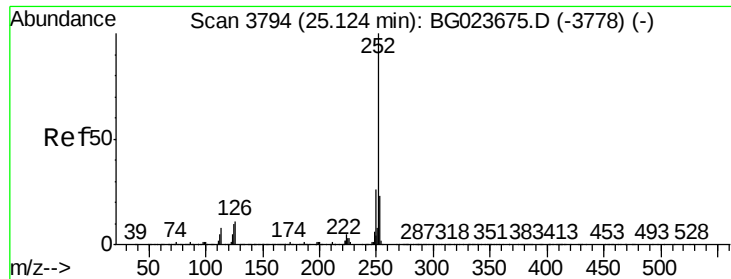
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#86
Benzo(k)fluoranthene
Concen: 15.34 ng/ul m
RT: 24.26 min Scan# 3647
Delta R.T. -0.01 min
Lab File: BG023702.D
Acq: 14 Aug 2016 00:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	15.8	23.6
125	7.5	10.6	16.0





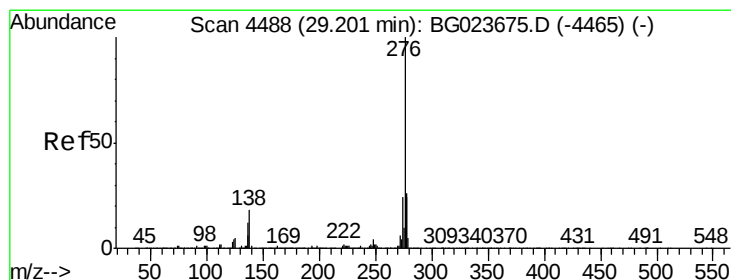
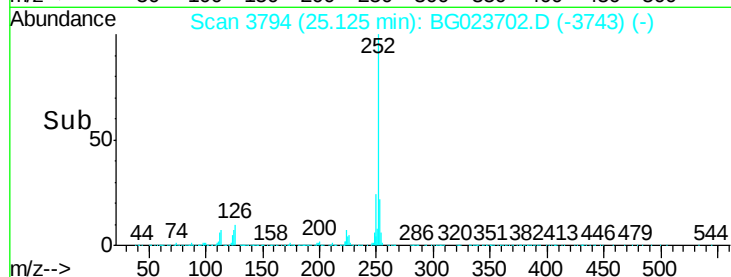
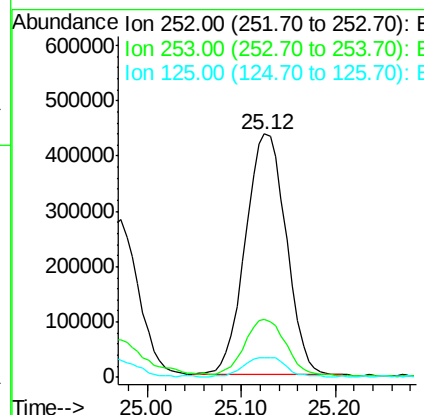
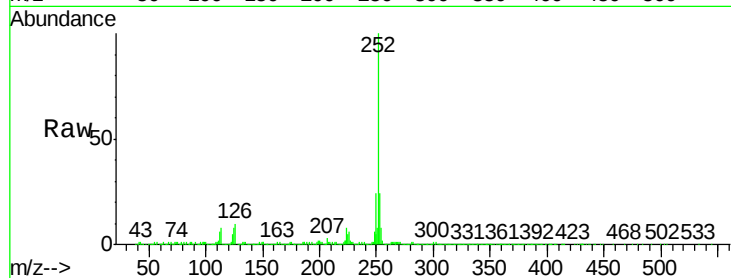
#88
Benzo(a)pyrene
Concen: 31.76 ng/ul
RT: 25.12 min Scan# 3794
Delta R.T. 0.00 min
Lab File: BG023702.D
Acq: 14 Aug 2016 00:09

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.0	28.4
125	8.0	12.0	18.0

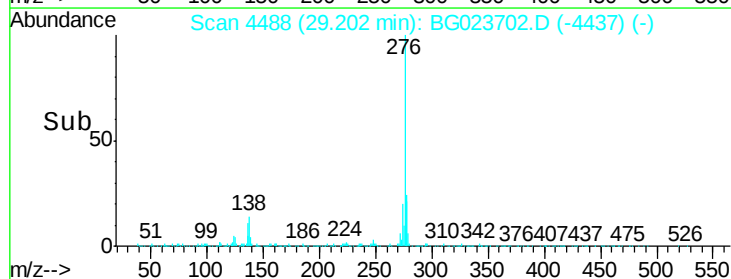
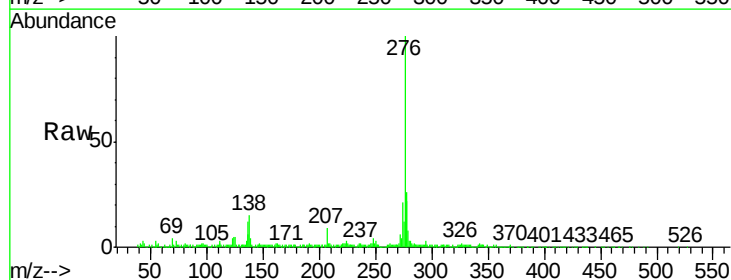
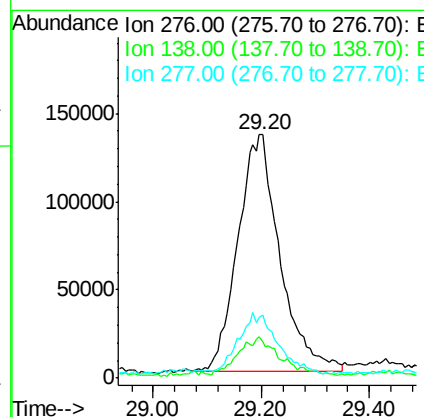
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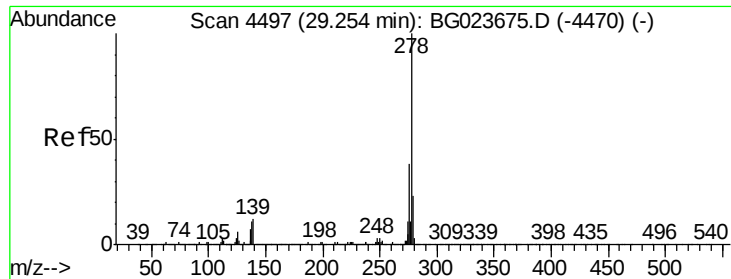
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#89
Indeno(1,2,3-cd)pyrene
Concen: 15.07 ng/ul m
RT: 29.20 min Scan# 4488
Delta R.T. 0.00 min
Lab File: BG023702.D
Acq: 14 Aug 2016 00:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.8	20.8	31.2
277	25.7	17.6	26.4





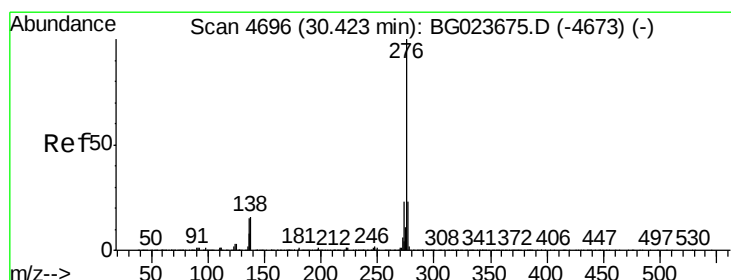
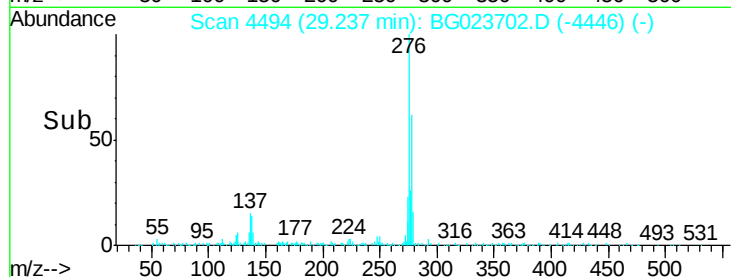
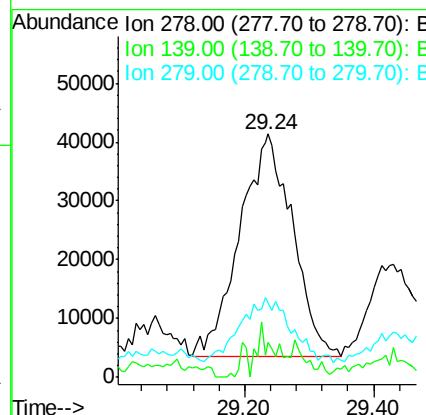
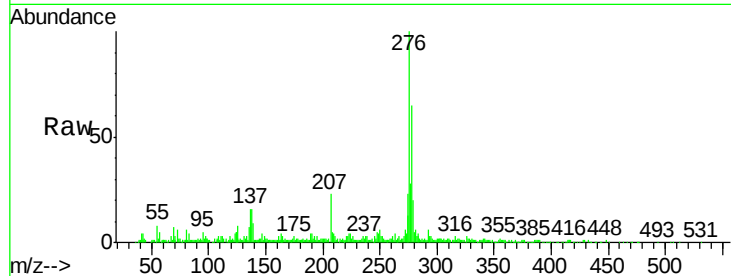
#90
Dibenzo(a,h)anthracene
Concen: 5.22 ng/ul m
RT: 29.24 min Scan# 4494
Delta R.T. -0.02 min
Lab File: BG023702.D
Acq: 14 Aug 2016 00:09

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.2	16.3	24.5#
279	30.8	19.1	28.7#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 15.34 ng/ul
RT: 30.42 min Scan# 4696
Delta R.T. 0.00 min
Lab File: BG023702.D
Acq: 14 Aug 2016 00:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.5	22.1	33.1#
277	25.9	17.0	25.4#

