

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
 Data File : BG023706.D
 Acq On : 14 Aug 2016 2:40
 Operator : UM/SJ
 Sample : H4385-08
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS003-0206-01

Manual Integrations
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Quant Time: Aug 16 11:01:50 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	113271	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	497939	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	305677	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	615212m	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	661426m	20.00	ng/ul	0.00
83) Perylene-d12	25.29	264	655285	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	9260	3.48	ng/uL	0.00
5) Phenol-d5	7.27	99	273846	24.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.43	67	188108	25.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	196676	25.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.83	113	212140	23.81	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	107541	27.40	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	123906	27.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	222459m	26.16	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	203595	20.41	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	676299	27.02	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	816412	28.98	ng/ul	0.00
51) 4-Nitrophenol-d4	15.01	143	91029	21.31	ng/ul	0.00
57) Fluorene-d10	15.78	176	595946	25.77	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	76241m	19.32	ng/ul	0.00
70) Anthracene-d10	17.65	188	802485	28.95	ng/ul	0.00
76) Pyrene-d10	19.94	212	879216m	26.26	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.06	264	858080	28.93	ng/ul	0.00

Target Compounds

						Ovalue
34) 2-Methylnaphthalene	12.61	142	24200	1.18	ng/ul	95
44) Dimethylphthalate	14.23	163	359389	14.50	ng/ul	99
47) Acenaphthylene	14.51	152	249807	8.48	ng/ul	98
49) Acenaphthene	14.85	153	40143	2.00	ng/ul	94
58) Fluorene	15.84	166	141430	5.71	ng/ul#	96
69) Phenanthrene	17.59	178	1785752m	56.05	ng/ul	
71) Anthracene	17.69	178	274025	8.43	ng/ul	99
72) Carbazole	17.96	167	55780	2.13	ng/ul	96
73) Di-n-butylphthalate	18.50	149	32849m	1.00	ng/ul	
74) Fluoranthene	19.62	202	2249449	68.96	ng/ul	95
77) Pyrene	19.98	202	2577544	63.04	ng/ul	97
78) Butylbenzylphthalate	20.85	149	20536m	1.31	ng/ul	
80) Benzo(a)anthracene	21.86	228	1521817m	40.86	ng/ul	
82) Chrysene	21.93	228	1534830m	45.32	ng/ul	
85) Benzo(b)fluoranthene	24.21	252	1713269	45.97	ng/ul#	93
86) Benzo(k)fluoranthene	24.26	252	520294m	14.18	ng/ul	
88) Benzo(a)pyrene	25.14	252	1321758m	36.73	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.20	276	694603	16.43	ng/ul#	82
90) Dibenzo(a,h)anthracene	29.24	278	207409m	5.75	ng/ul	
91) Benzo(g,h,i)perylene	30.44	276	603821	17.22	ng/ul#	85

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

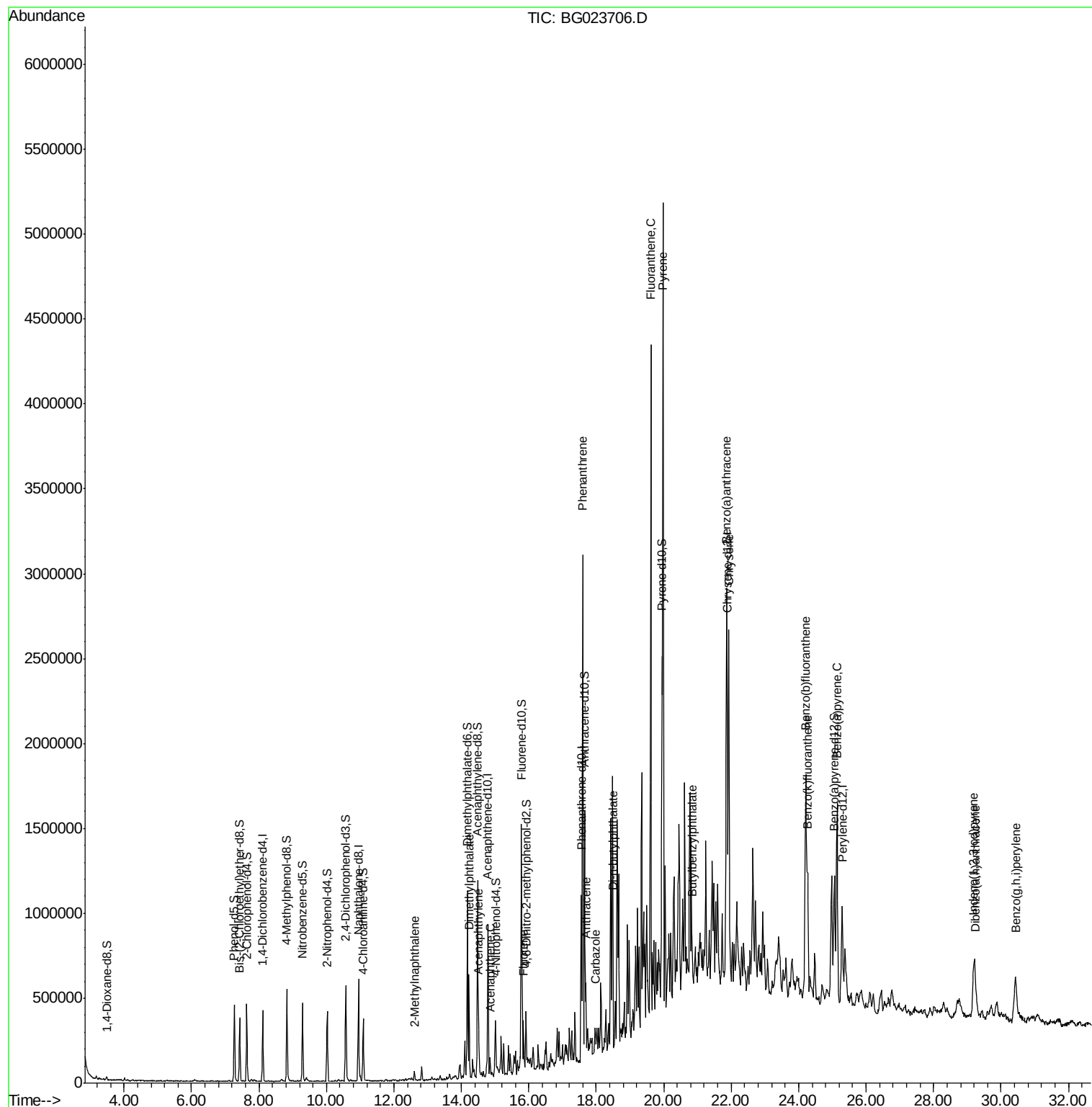
Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023706.D
Acq On : 14 Aug 2016 2:40
Operator : UM/SJ
Sample : H4385-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

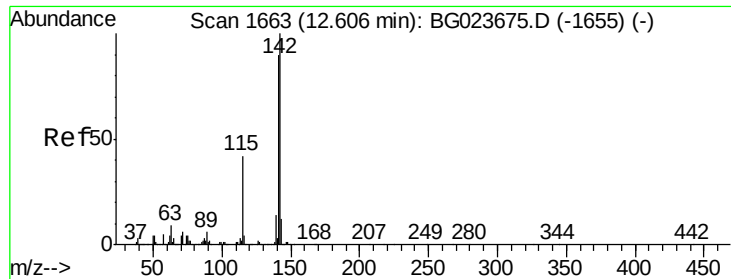
Instrument :
BNA_G
ClientSampleId :
P002-SS003-0206-01

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Quant Time: Aug 16 11:01:50 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





#34

2-Methylnaphthalene

Concen: 1.18 ng/ul

RT: 12.61 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BG023706.D

Acq: 14 Aug 2016 2:40

Instrument :

BNA_G

ClientSampleId :

P002-SS003-0206-01

Tot Ion:142 Resp: 24200

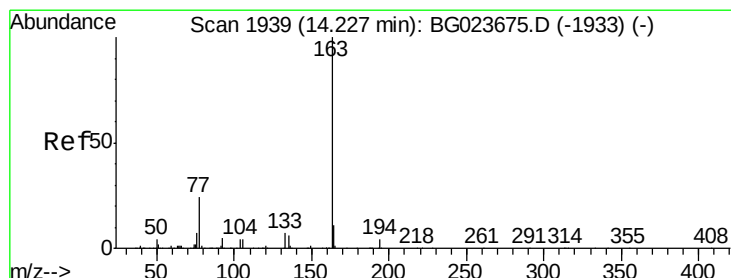
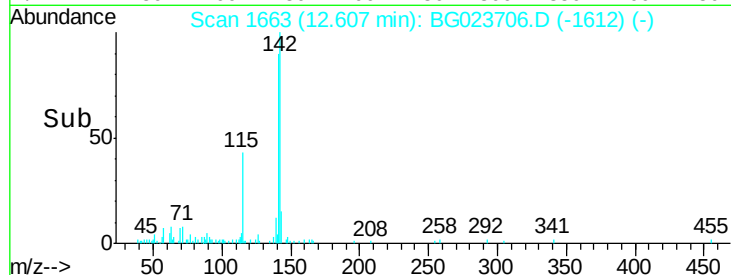
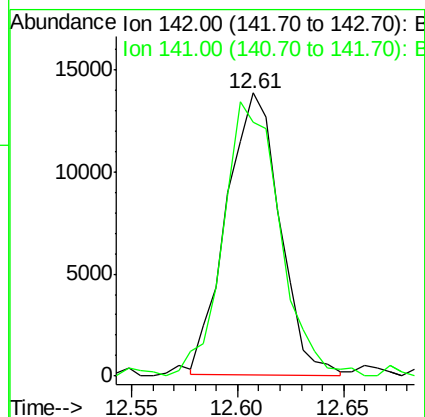
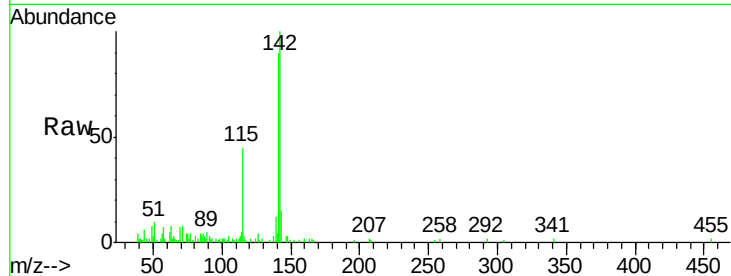
Ion Ratio Lower Upper

142 100

141 89.6 75.2 112.8

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#44

Dimethylphthalate

Concen: 14.50 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BG023706.D

Acq: 14 Aug 2016 2:40

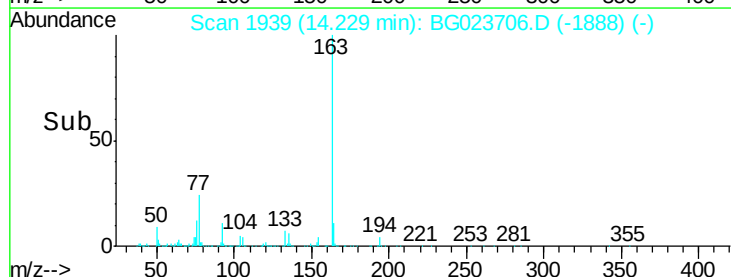
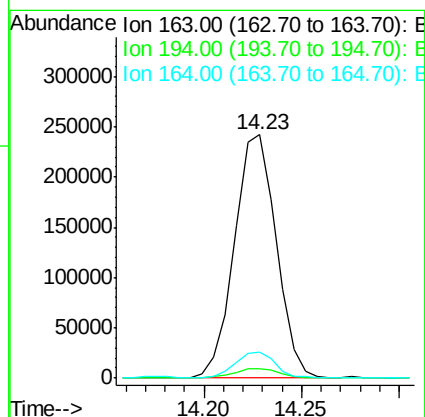
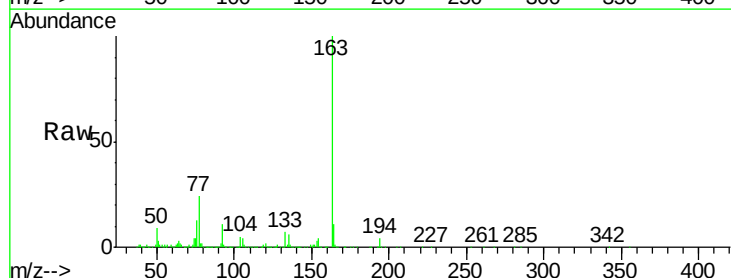
Tgt Ion:163 Resp: 359389

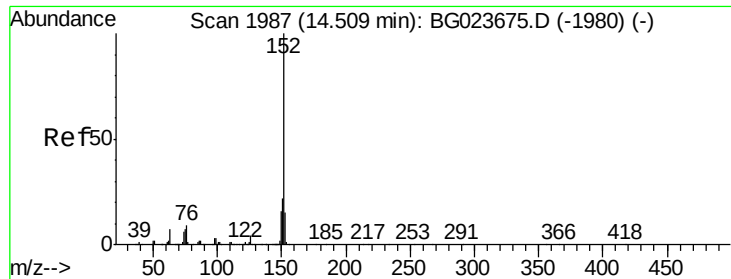
Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

164 10.8 8.8 13.2





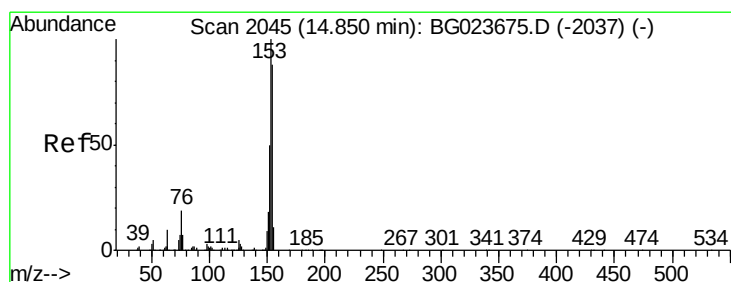
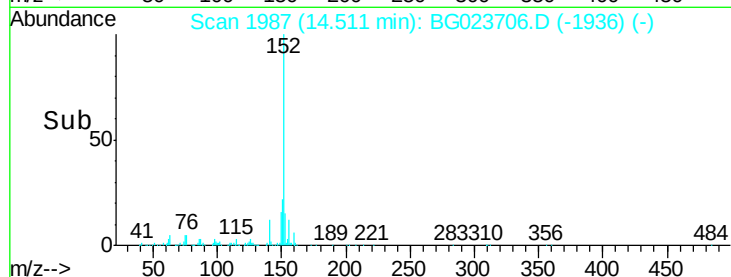
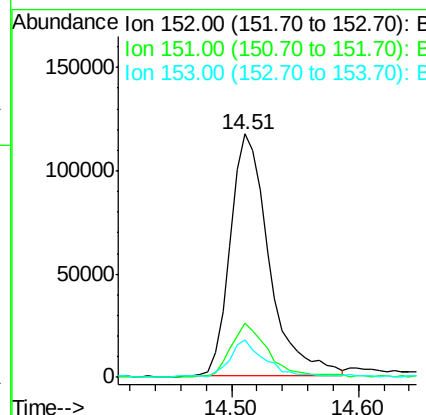
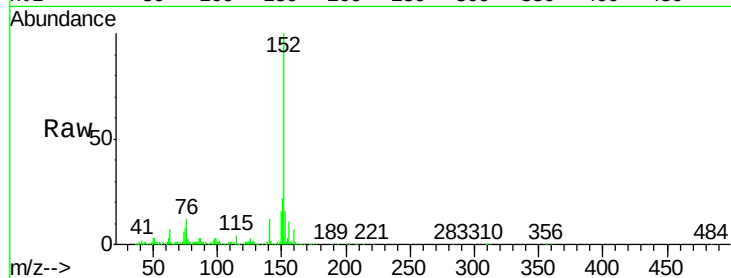
#47
Acenaphthylene
Concen: 8.48 ng/ul
RT: 14.51 min Scan# 1987
Delta R.T. 0.00 min
Lab File: BG023706.D
Acq: 14 Aug 2016 2:40

Instrument :
BNA_G
ClientSampleId :
P002-SS003-0206-01

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.5	26.3
153	15.7	11.1	16.7

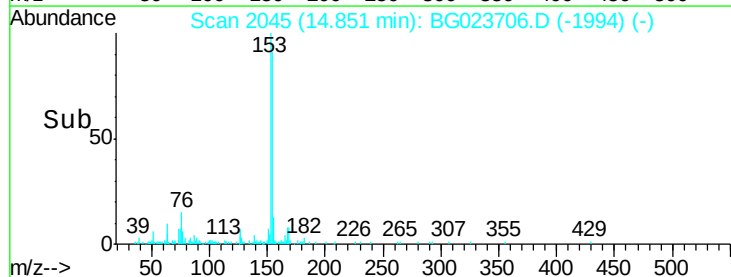
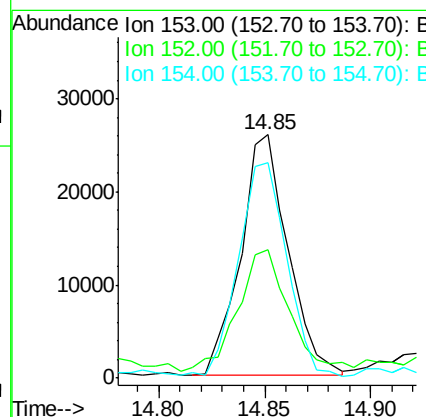
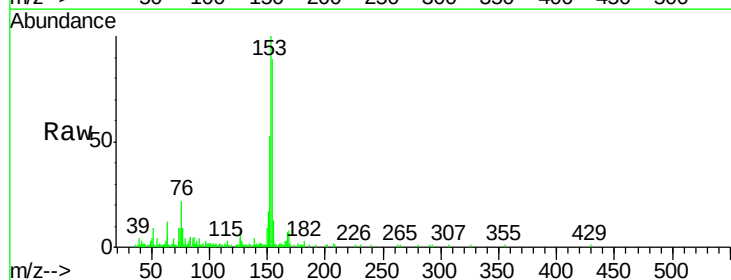
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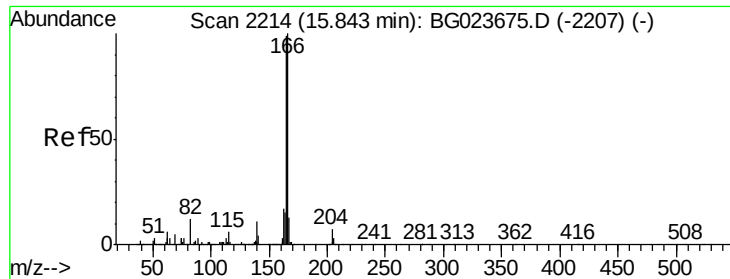
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#49
Acenaphthene
Concen: 2.00 ng/ul
RT: 14.85 min Scan# 2045
Delta R.T. 0.00 min
Lab File: BG023706.D
Acq: 14 Aug 2016 2:40

Tgt Ion	Ratio	Lower	Upper
153	100		
152	52.6	37.3	55.9
154	88.6	68.2	102.2





#58

Fluorene

Concen: 5.71 ng/ul

RT: 15.84 min Scan# 2213

Delta R.T. -0.00 min

Lab File: BG023706.D

Acq: 14 Aug 2016 2:40

Instrument :

BNA_G

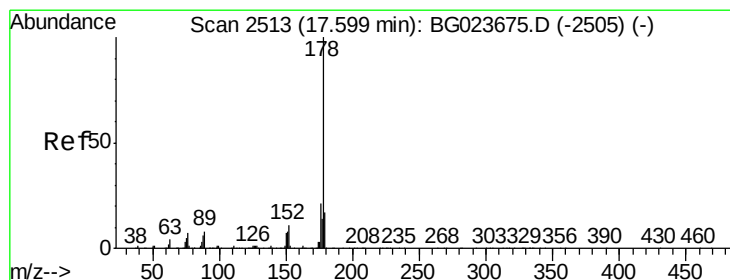
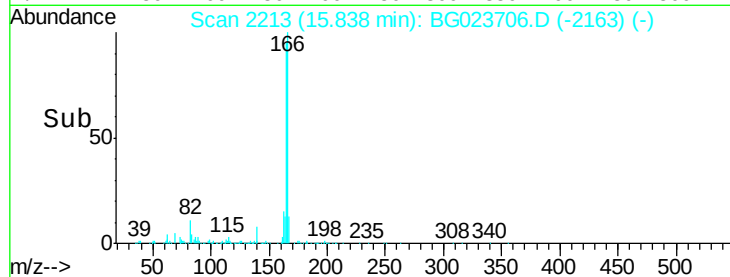
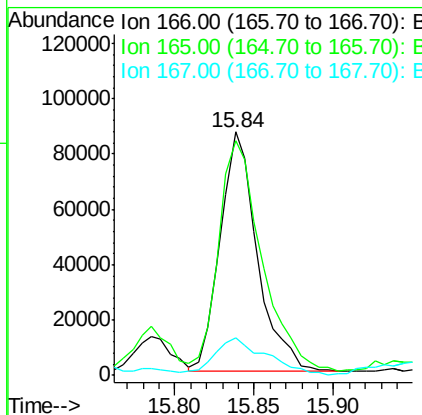
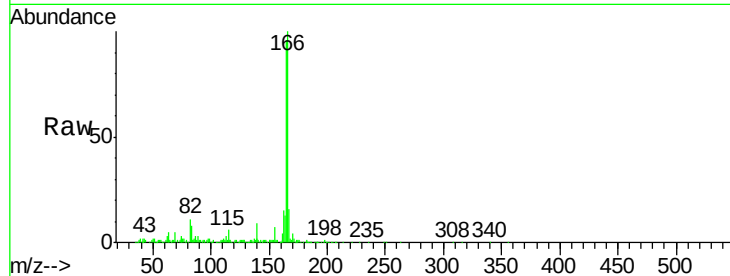
ClientSampleId :

P002-SS003-0206-01

Tot Ion:	166	Resp:	141430
Ion Ratio	Lower	Upper	
166	100		
165	96.4	80.3	120.5
167	15.7	10.3	15.5#

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#69

Phenanthrene

Concen: 56.05 ng/ul m

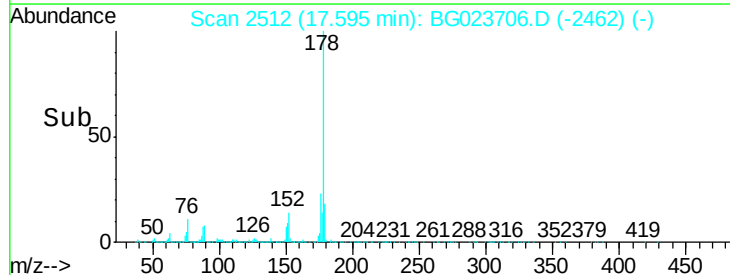
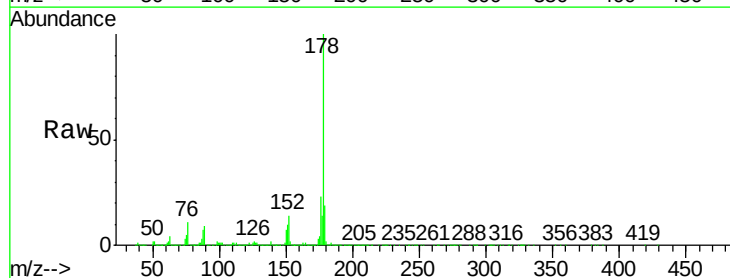
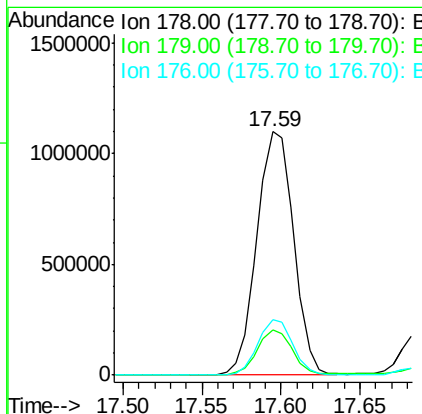
RT: 17.59 min Scan# 2512

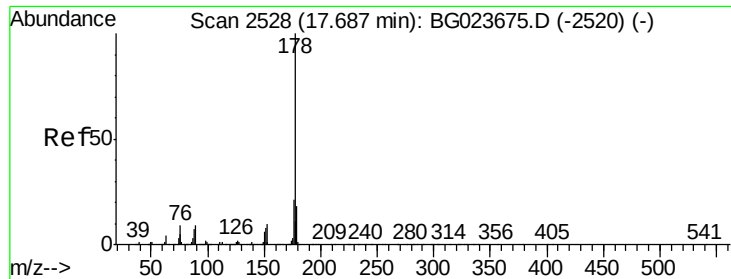
Delta R.T. -0.00 min

Lab File: BG023706.D

Acq: 14 Aug 2016 2:40

Tgt Ion:	178	Resp:	1785752
Ion Ratio	Lower	Upper	
178	100		
179	18.6	12.9	19.3
176	22.9	15.8	23.8





#71

Anthracene

Concen: 8.43 ng/ul

RT: 17.69 min Scan# 2528

Delta R.T. 0.00 min

Lab File: BG023706.D

Acq: 14 Aug 2016 2:40

Instrument :

BNA_G

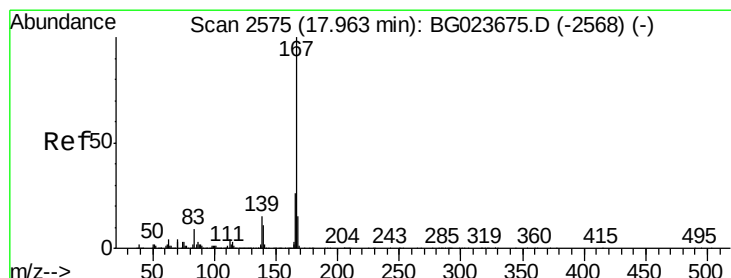
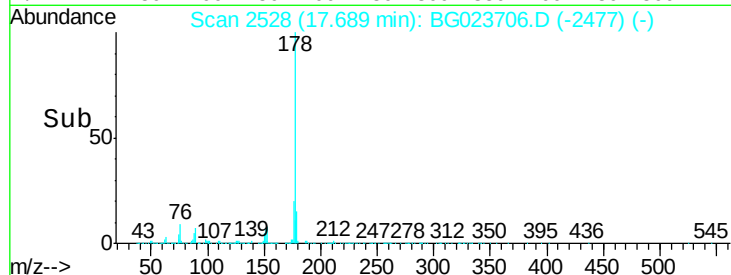
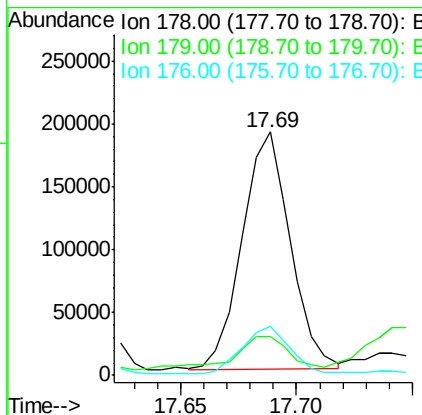
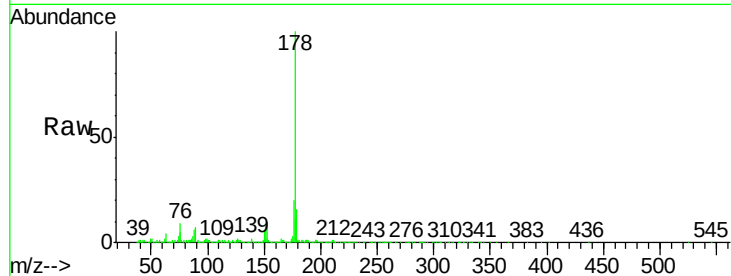
ClientSampleId :

P002-SS003-0206-01

Tot Ion:	178	Resp:	274025
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.3	18.5
176	19.9	16.3	24.5

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#72

Carbazole

Concen: 2.13 ng/ul

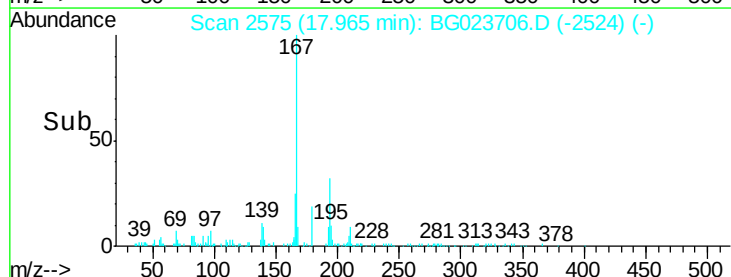
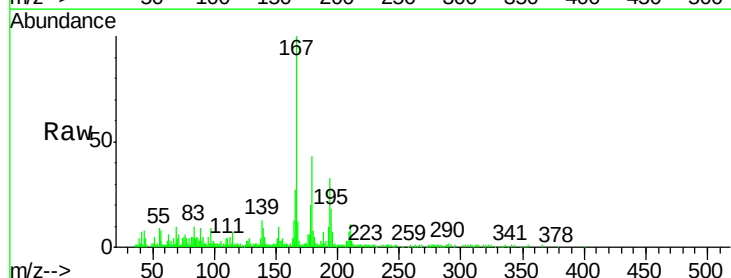
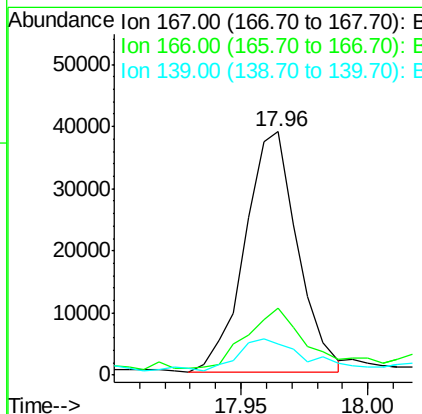
RT: 17.96 min Scan# 2575

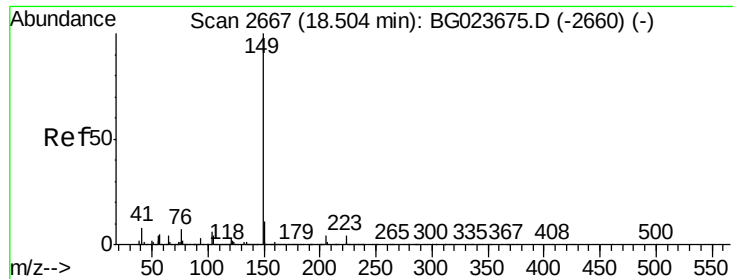
Delta R.T. 0.00 min

Lab File: BG023706.D

Acq: 14 Aug 2016 2:40

Tgt Ion:	167	Resp:	55780
Ion Ratio	Lower	Upper	
167	100		
166	27.3	19.2	28.8
139	12.7	10.2	15.4





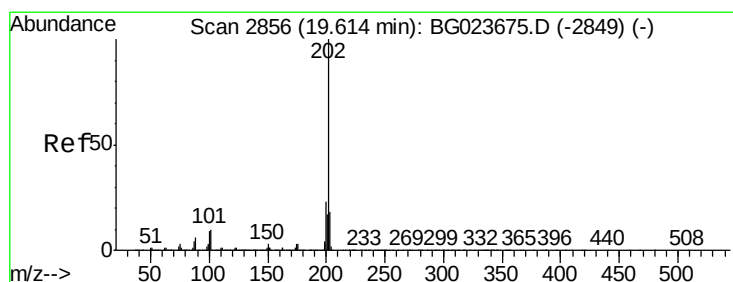
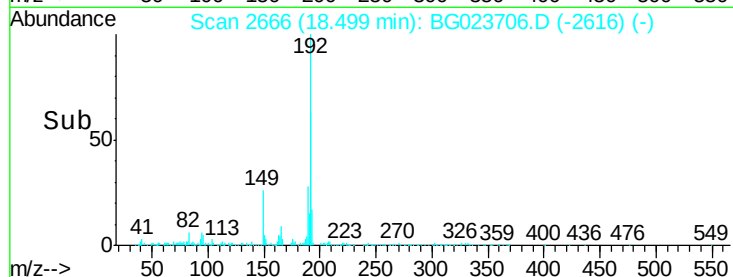
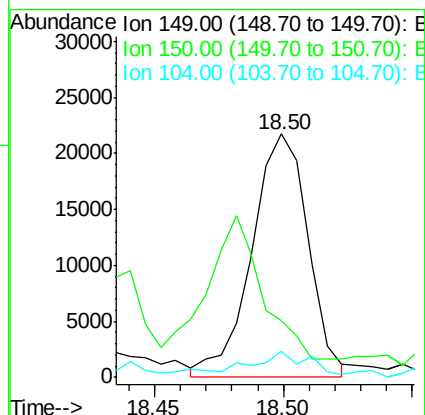
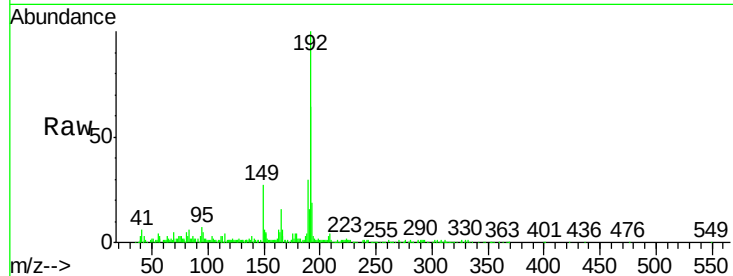
#73
Di-n-butylphthalate
Concen: 1.00 ng/ul m
RT: 18.50 min Scan# 2666
Delta R.T. -0.00 min
Lab File: BG023706.D
Acq: 14 Aug 2016 2:40

Instrument :
BNA_G
ClientSampleId :
P002-SS003-0206-01

Tot Ion	Ratio	Lower	Upper
149	100		
150	23.1	7.1	10.7#
104	10.4	3.3	4.9#

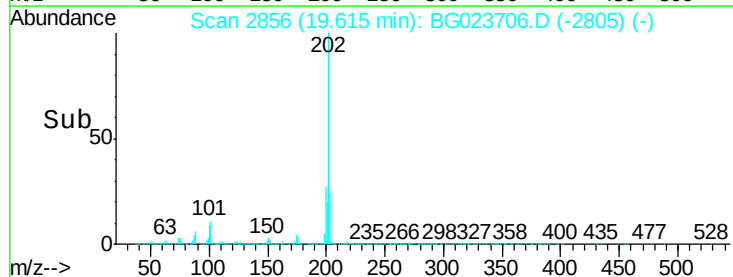
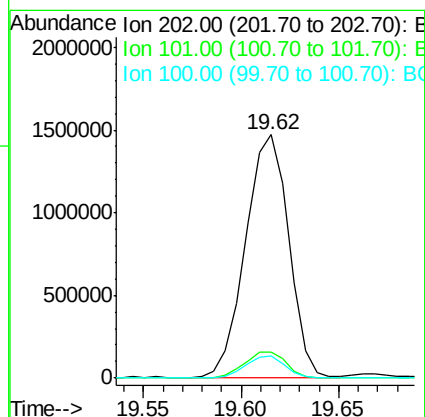
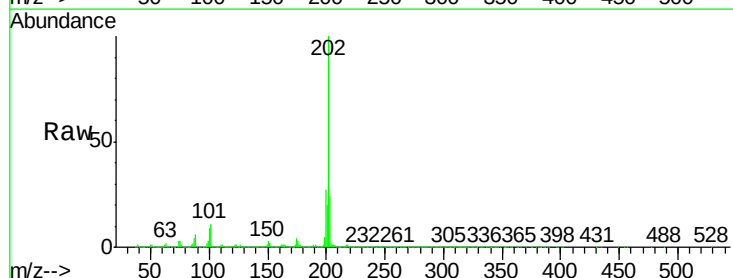
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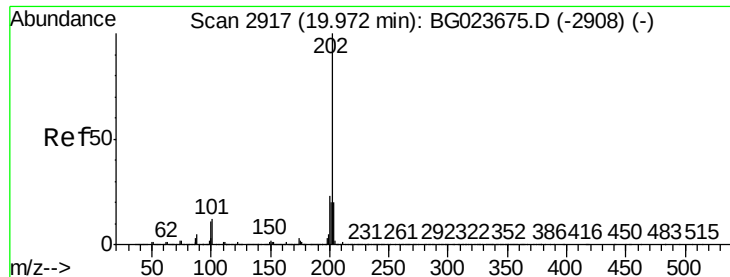
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#74
Fluoranthene
Concen: 68.96 ng/ul
RT: 19.62 min Scan# 2856
Delta R.T. 0.00 min
Lab File: BG023706.D
Acq: 14 Aug 2016 2:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	10.6	16.0
100	9.1	8.7	13.1





#77

Pvrene

Concen: 63.04 ng/ul

RT: 19.98 min Scan# 2918

Delta R.T. 0.01 min

Lab File: BG023706.D

Acq: 14 Aug 2016 2:40

Instrument :

BNA_G

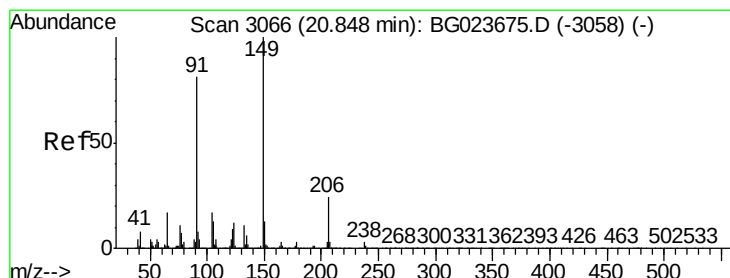
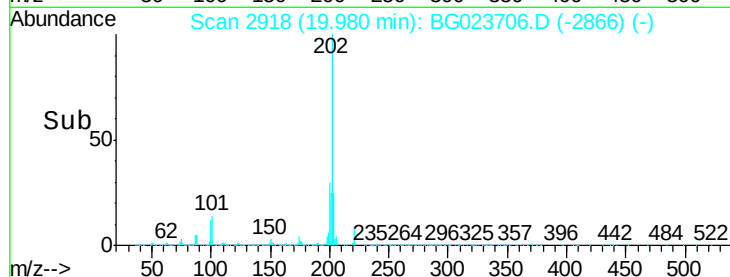
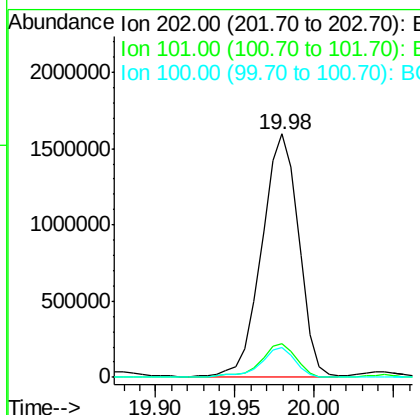
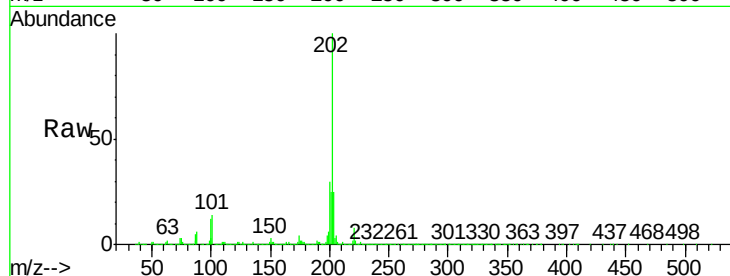
ClientSampleId :

P002-SS003-0206-01

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.9	12.5	18.7
100	12.0	10.2	15.4

Manual Integrations
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#78

Butylbenzylphthalate

Concen: 1.31 ng/ul m

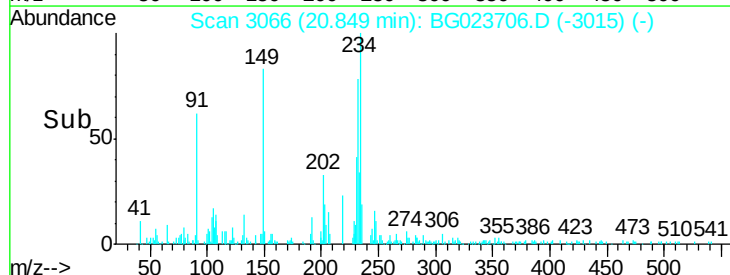
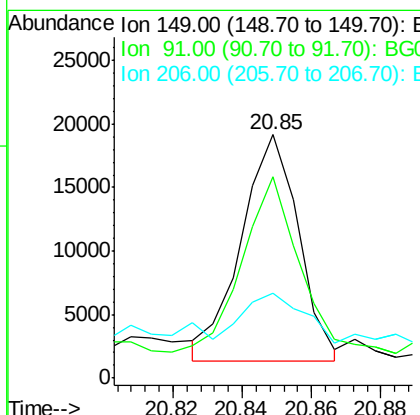
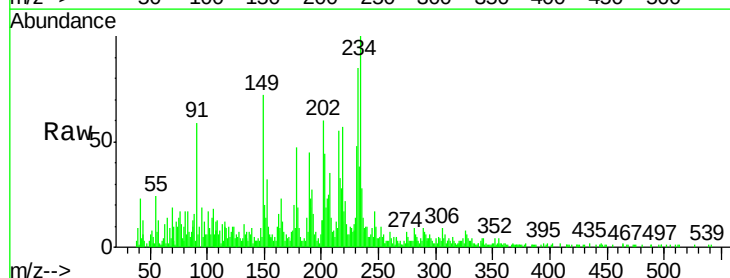
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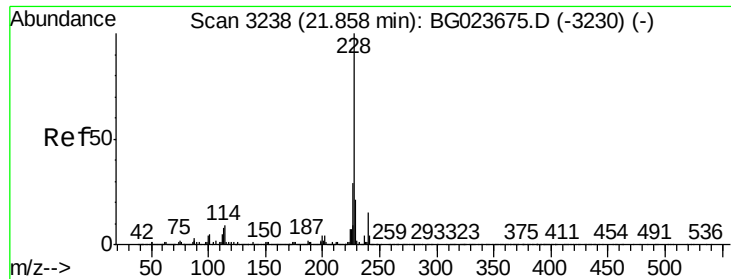
Delta R.T. 0.00 min

Lab File: BG023706.D

Acq: 14 Aug 2016 2:40

Tgt Ion	Ratio	Lower	Upper
149	100		
91	82.6	54.2	81.4#
206	35.1	14.1	21.1#





#80

Benzo(a)anthracene

Concen: 40.86 ng/ul m

RT: 21.86 min Scan# 3238

Delta R.T. 0.00 min

Lab File: BG023706.D

Acq: 14 Aug 2016 2:40

Instrument :

BNA_G

ClientSampleId :

P002-SS003-0206-01

Tot Ion:228 Resp: 1521817

Ion Ratio Lower Upper

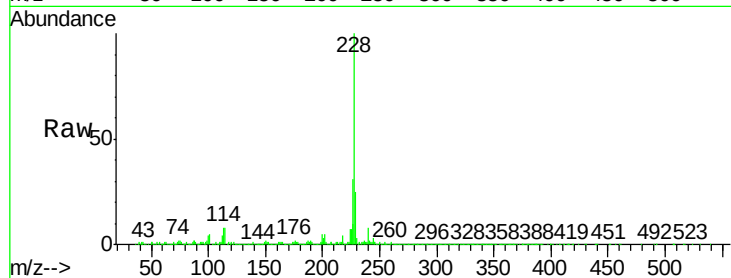
228 100

229 24.5 15.4 23.2#

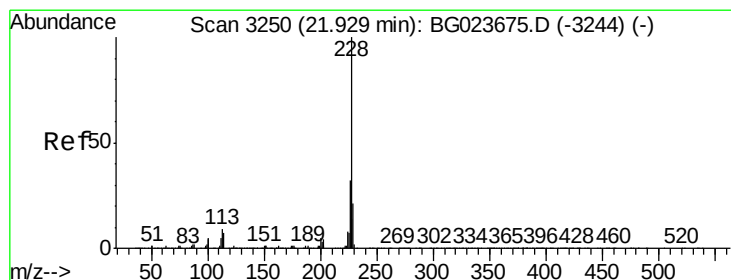
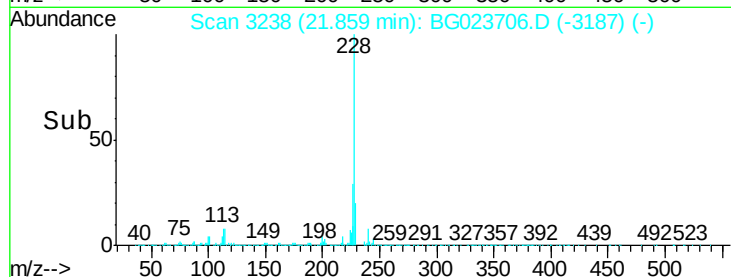
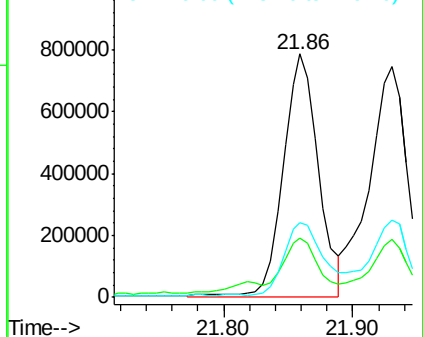
226 30.9 22.8 34.2

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 45.32 ng/ul m

RT: 21.93 min Scan# 3250

Delta R.T. 0.00 min

Lab File: BG023706.D

Acq: 14 Aug 2016 2:40

Tgt Ion:228 Resp: 1534830

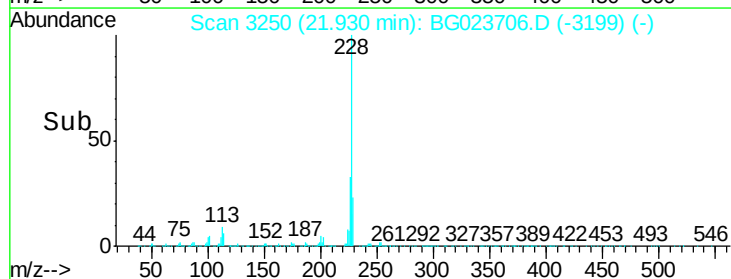
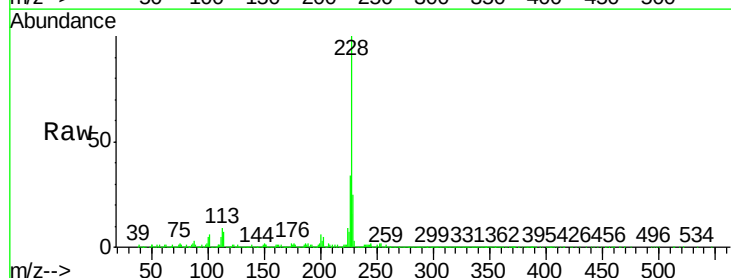
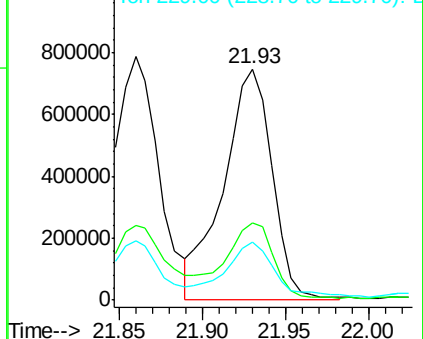
Ion Ratio Lower Upper

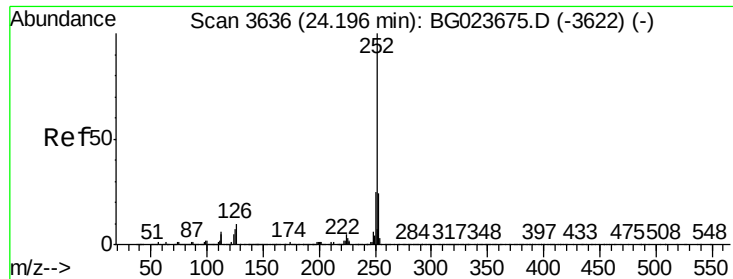
228 100

226 33.6 24.2 36.4

229 24.9 15.0 22.6#

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





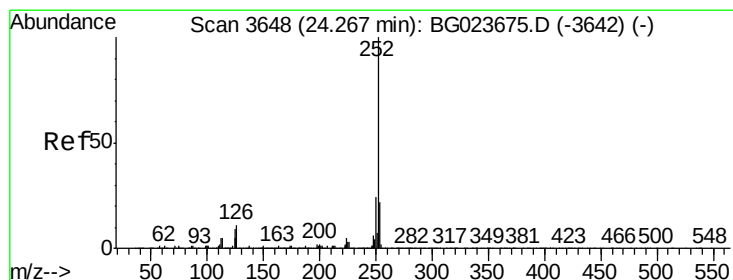
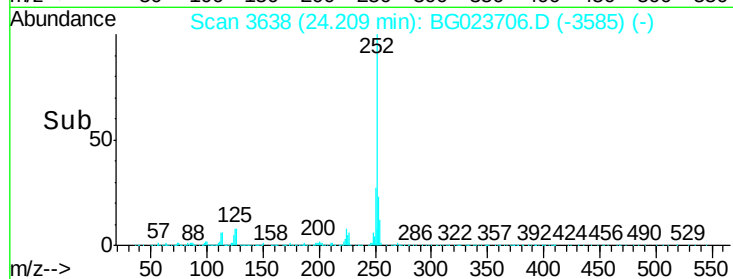
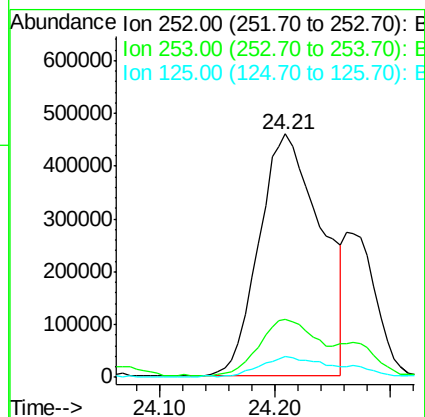
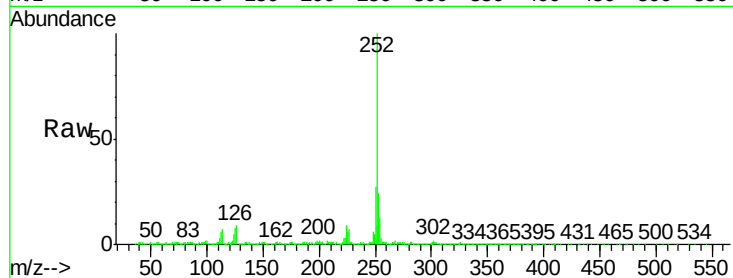
#85
Benzo(b)fluoranthene
Concen: 45.97 ng/ul
RT: 24.21 min Scan# 3638
Delta R.T. 0.01 min
Lab File: BG023706.D
Acq: 14 Aug 2016 2:40

Instrument :
BNA_G
ClientSampleId :
P002-SS003-0206-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	8.3	10.8	16.2

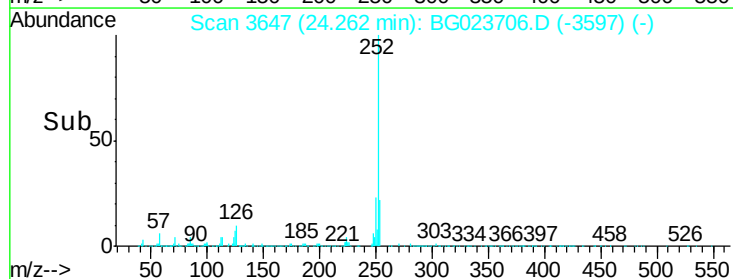
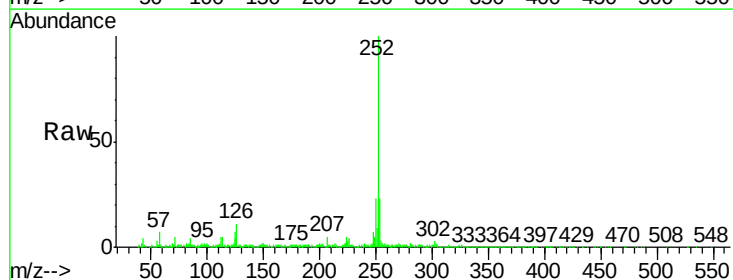
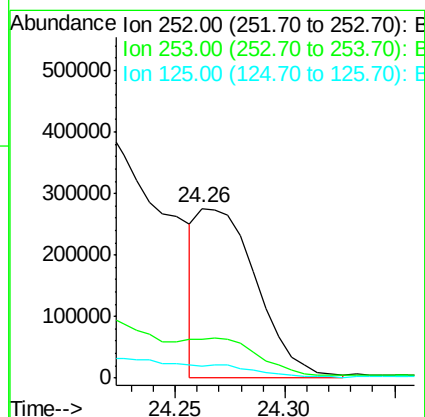
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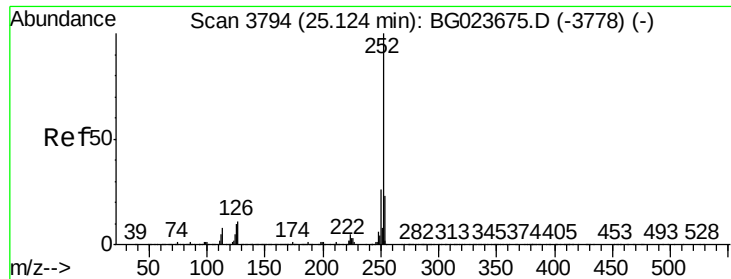
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#86
Benzo(k)fluoranthene
Concen: 14.18 ng/ul m
RT: 24.26 min Scan# 3647
Delta R.T. -0.00 min
Lab File: BG023706.D
Acq: 14 Aug 2016 2:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	15.8	23.6
125	7.1	10.6	16.0





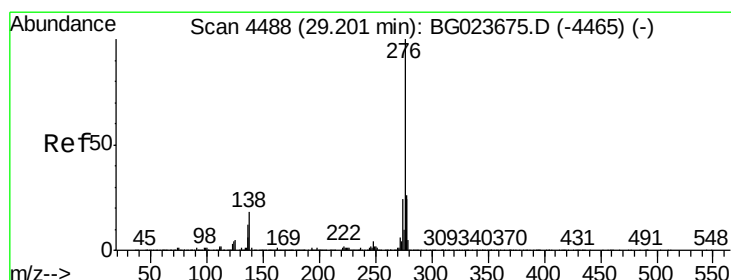
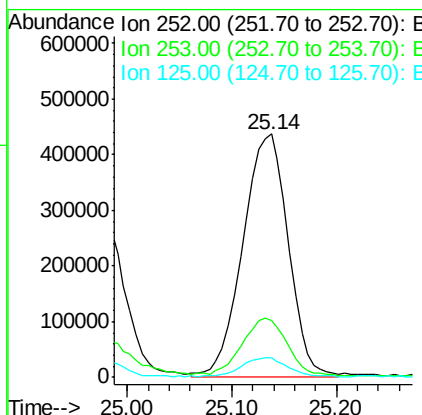
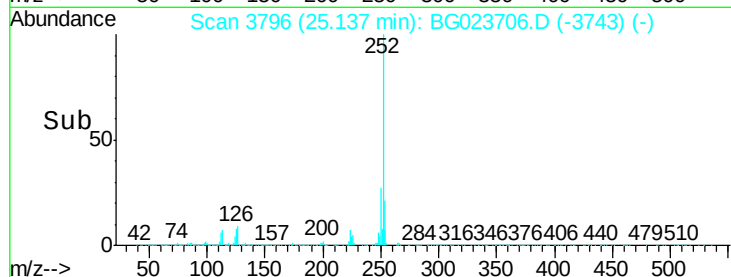
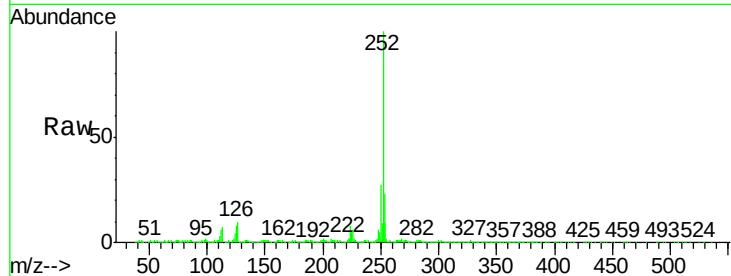
#88
Benzo(a)pyrene
Concen: 36.73 ng/ul m
RT: 25.14 min Scan# 3796
Delta R.T. 0.01 min
Lab File: BG023706.D
Acq: 14 Aug 2016 2:40

Instrument :
BNA_G
ClientSampleId :
P002-SS003-0206-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.0	28.4
125	8.2	12.0	18.0#

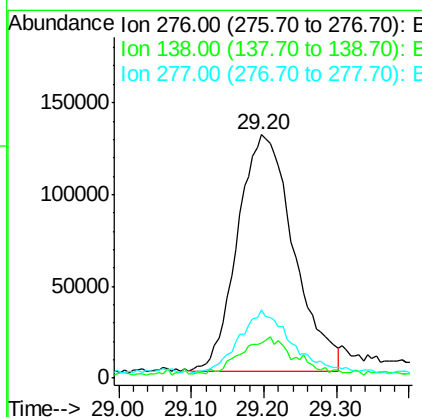
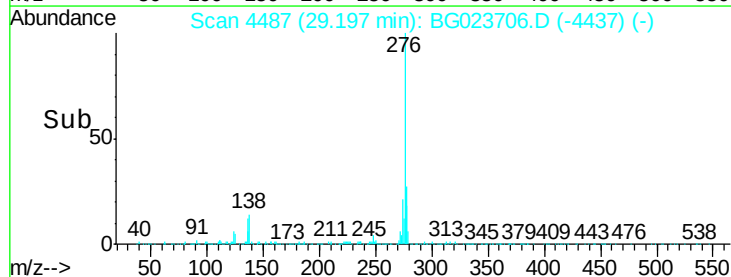
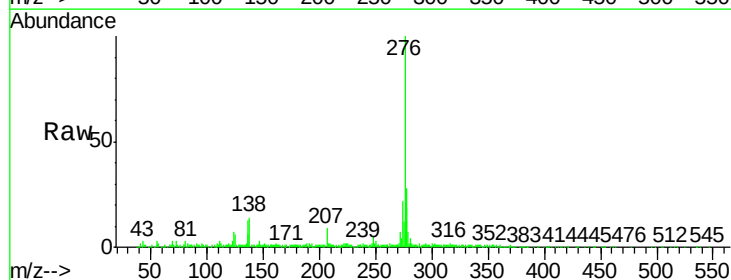
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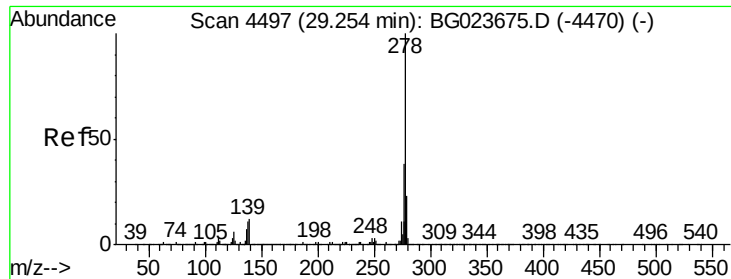
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#89
Indeno(1,2,3-cd)pyrene
Concen: 16.43 ng/ul
RT: 29.20 min Scan# 4487
Delta R.T. -0.00 min
Lab File: BG023706.D
Acq: 14 Aug 2016 2:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.1	20.8	31.2#
277	27.9	17.6	26.4#





#90

Dibenzo(a,h)anthracene

Concen: 5.75 ng/ul m

RT: 29.24 min Scan# 4495

Delta R.T. -0.01 min

Lab File: BG023706.D

Acq: 14 Aug 2016 2:40

Instrument :

BNA_G

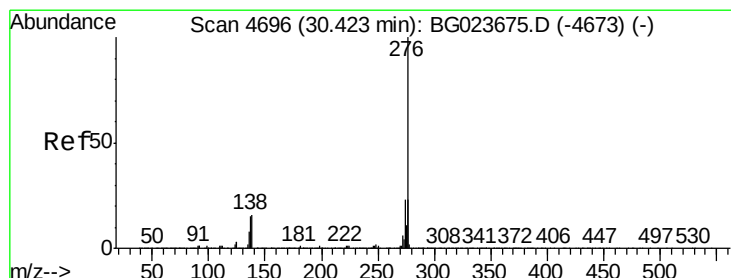
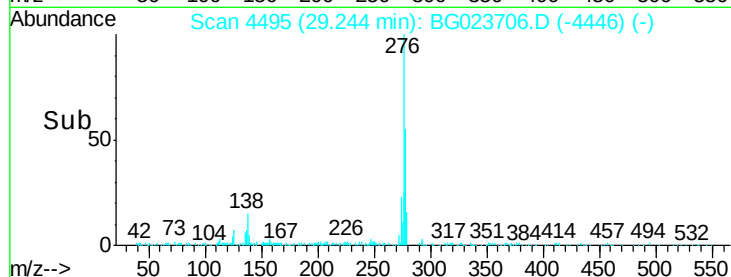
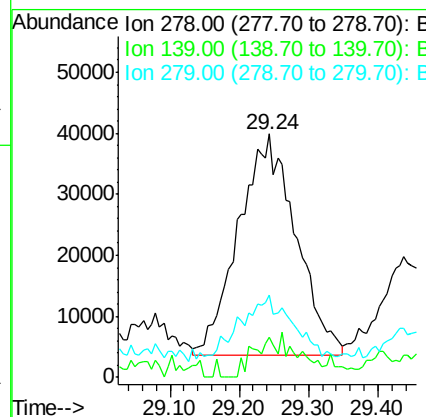
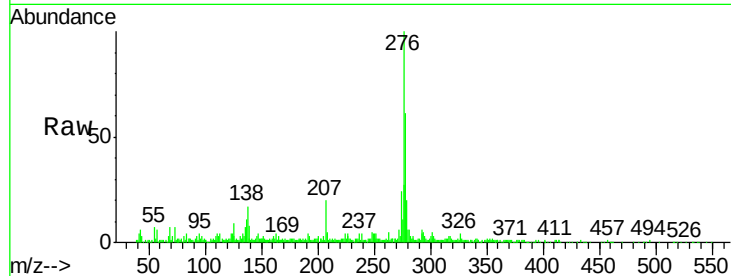
ClientSampleId :

P002-SS003-0206-01

Tot Ion:	278	Resp:	207409
Ion Ratio	Lower	Upper	
278	100		
139	12.5	16.3	24.5#
279	33.8	19.1	28.7#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 17.22 ng/ul

RT: 30.44 min Scan# 4698

Delta R.T. 0.01 min

Lab File: BG023706.D

Acq: 14 Aug 2016 2:40

Tgt Ion:	276	Resp:	603821
Ion Ratio	Lower	Upper	
276	100		
138	15.0	22.1	33.1#
277	23.1	17.0	25.4

