

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
 Data File : BG019496.D
 Acq On : 5 Nov 2015 17:23
 Operator : UM/NP
 Sample : G4273-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AP6

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:43:42 PM

Quant Time: Nov 06 06:36:32 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 06 02:11:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	37783	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	166176	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.81	164	132134	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.55	188	365798	20.00	ng/ul	0.00
78) Chrysene-d12	21.83	240	470272	20.00	ng/ul	0.00
86) Perylene-d12	25.17	264	437165	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	2440	3.09	ng/uL	0.00
5) Phenol-d5	7.32	99	53719	15.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	40827	18.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	34673	16.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	47554	17.21	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	19816	16.23	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	23470	16.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.62	165	46809	14.88	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	53162	16.71	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	193341	17.75	ng/ul	0.00
47) Acenaphthylene-d8	14.51	160	200143	16.59	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	26007	15.03	ng/ul	-0.01
58) Fluorene-d10	15.79	176	168181	16.69	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.91	200	33225	14.03	ng/ul	0.00
71) Anthracene-d10	17.65	188	285703	17.13	ng/ul	0.00
79) Pyrene-d10	19.92	212	323757	15.73	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.94	264	359812	16.40	ng/ul	0.00

Target Compounds

						Ovalue
34) 2-Methylnaphthalene	12.65	142	10110	1.51	ng/ul	98
35) 1-Methylnaphthalene	12.87	142	11316	1.79	ng/ul#	92
45) Dimethylphthalate	14.25	163	101364	9.10	ng/ul#	97
50) Acenaphthene	14.87	153	57516	6.89	ng/ul	98
54) Dibenzofuran	15.20	168	45251	3.68	ng/ul	95
59) Fluorene	15.85	166	74615	6.96	ng/ul	98
70) Phenanthrene	17.59	178	341216	18.48	ng/ul	96
72) Anthracene	17.68	178	166424	8.84	ng/ul	98
77) Fluoranthene	19.59	202	388440	16.25	ng/ul#	97
80) Pyrene	19.95	202	265640	10.07	ng/ul#	92
83) Benzo(a)anthracene	21.80	228	157771	5.76	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.69	149	20297	1.67	ng/ul#	91
85) Chrysene	21.87	228	135296	5.27	ng/ul	97
88) Benzo(b)fluoranthene	24.11	252	136421	5.29	ng/ul#	98
89) Benzo(k)fluoranthene	24.17	252	45249m	1.82	ng/ul	
91) Benzo(a)pyrene	25.01	252	96328	3.89	ng/ul#	99
92) Indeno(1,2,3-cd)pyrene	29.00	276	48562m	1.74	ng/ul	
94) Benzo(g,h,i)perylene	30.22	276	33762m	1.59	ng/ul	

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

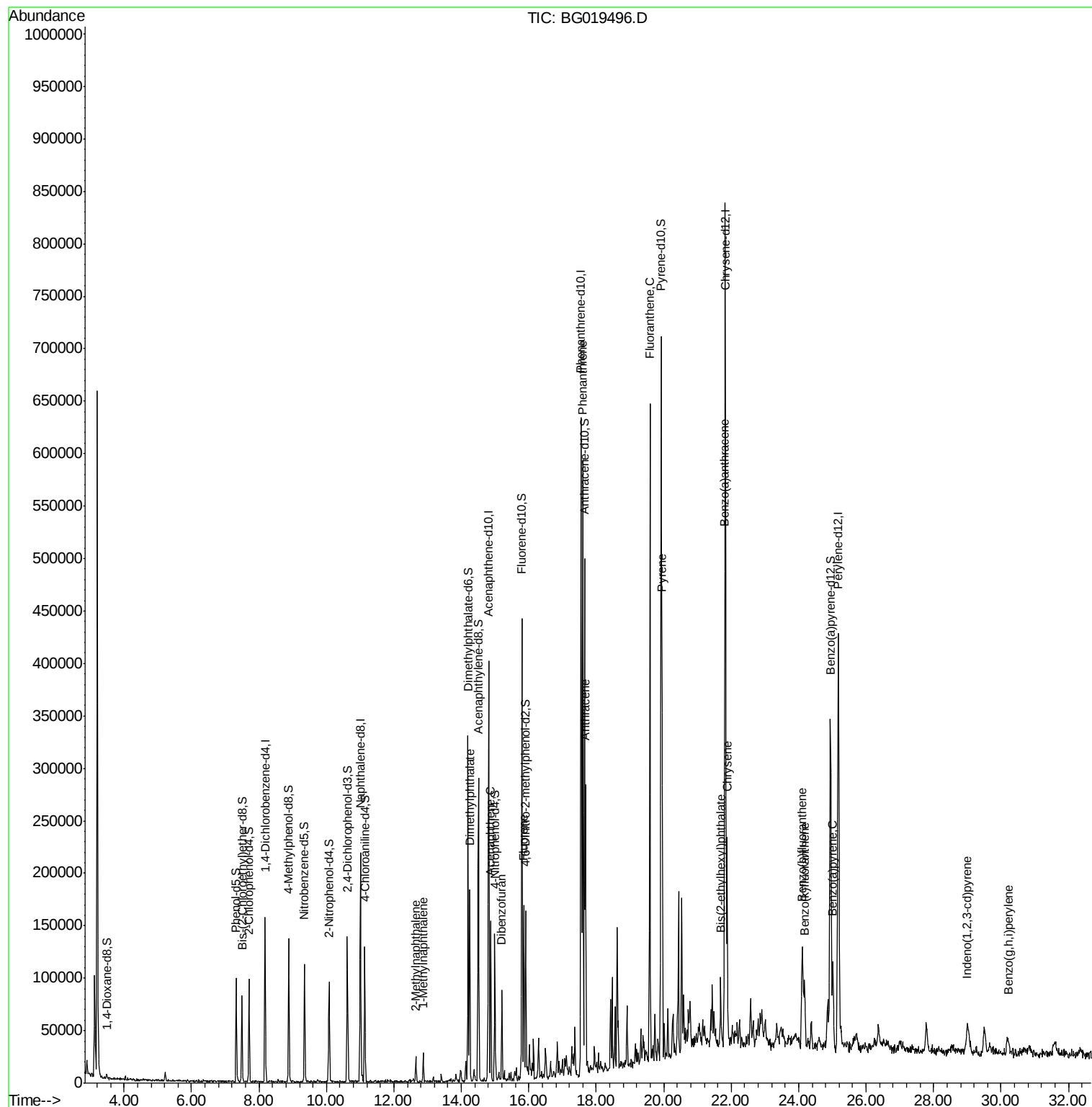
Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019496.D
Acq On : 5 Nov 2015 17:23
Operator : UM/NP
Sample : G4273-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

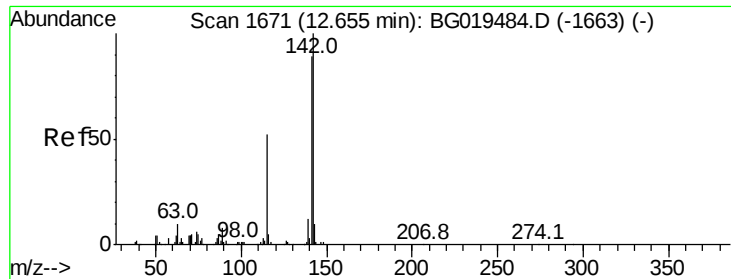
Instrument :
BNA_G
ClientSampleId :
C0AP6

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION
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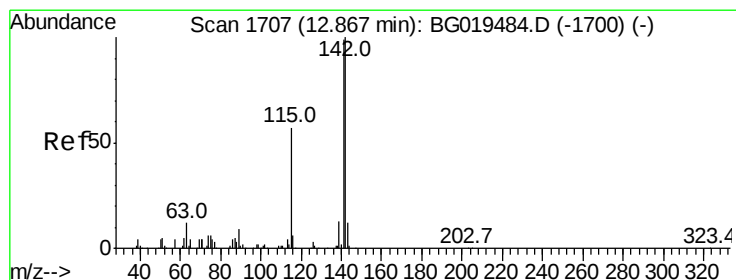
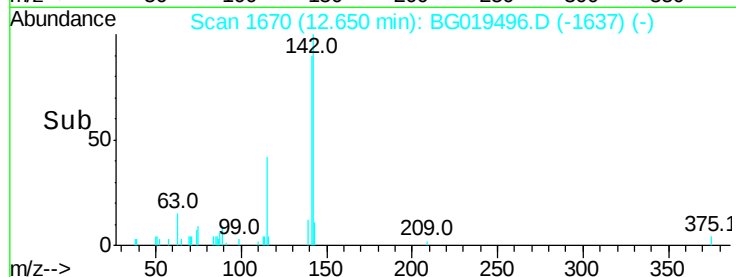
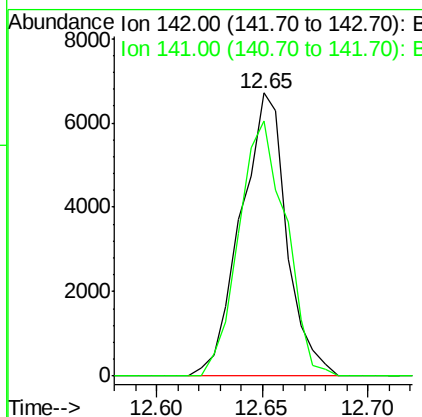
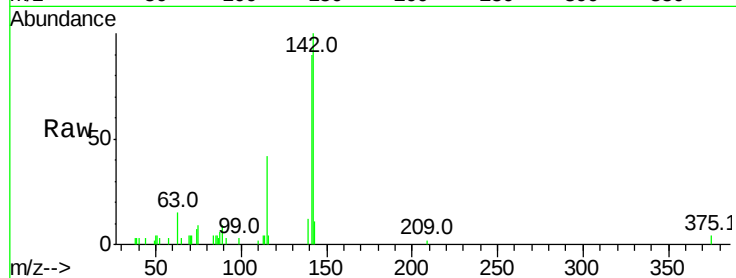
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2-Methylnaphthalene
Concen: 1.51 ng/ul
RT: 12.65 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BG019496.D
Acq: 5 Nov 2015 17:23

Instrument :
BNA_G
ClientSampleId :
C0AP6

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.4	110.2

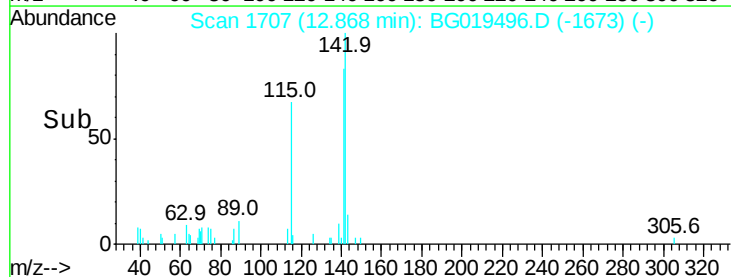
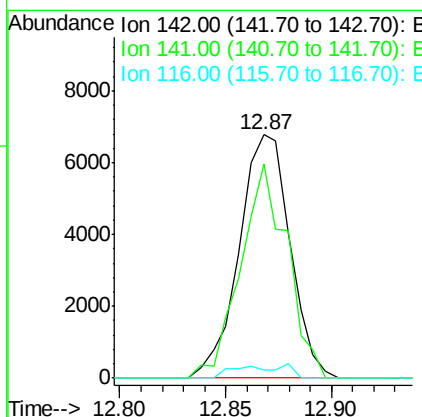
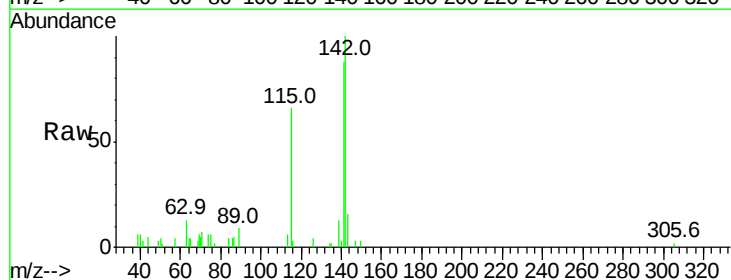
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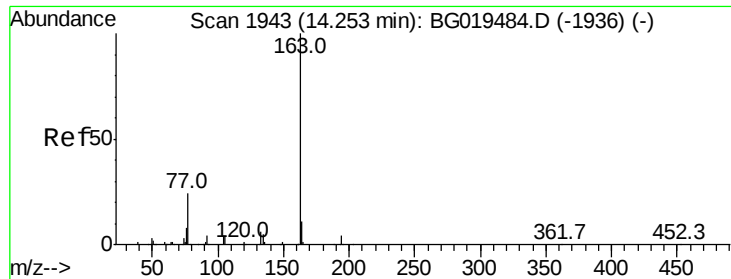
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#35
1-Methylnaphthalene
Concen: 1.79 ng/ul
RT: 12.87 min Scan# 1707
Delta R.T. 0.00 min
Lab File: BG019496.D
Acq: 5 Nov 2015 17:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	76.5	114.7
116	3.3	5.4	8.0#





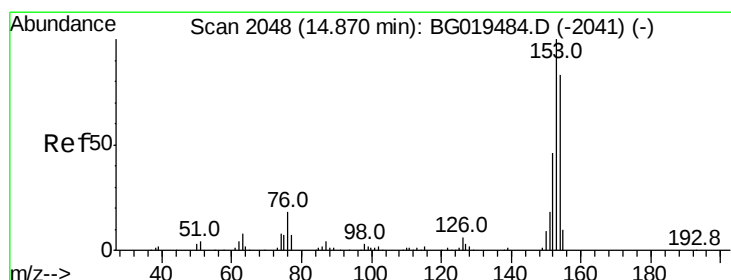
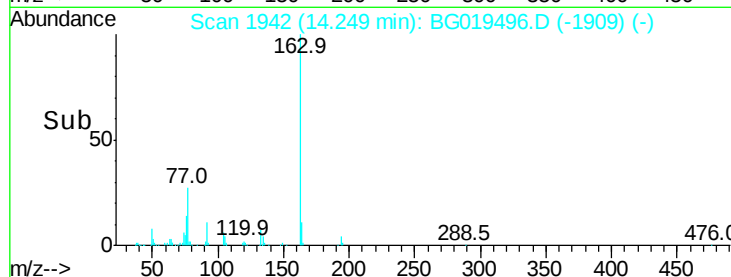
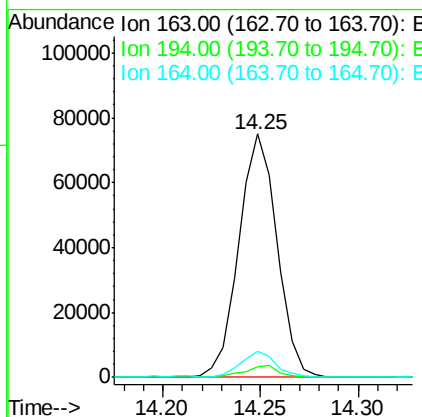
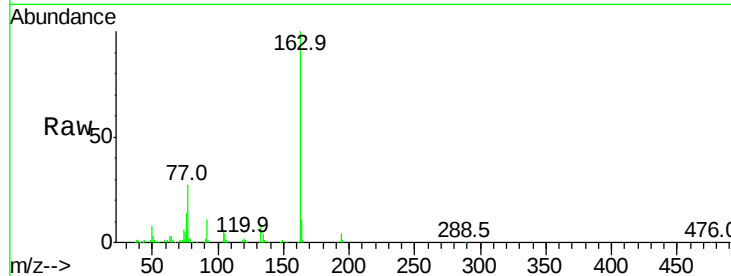
#45
Dimethylphthalate
Concen: 9.10 ng/ul
RT: 14.25 min Scan# 1942
Delta R.T. -0.00 min
Lab File: BG019496.D
Acq: 5 Nov 2015 17:23

Instrument :
BNA_G
ClientSampleId :
C0AP6

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.3	4.3	6.5	
164	10.7	7.5	11.3	

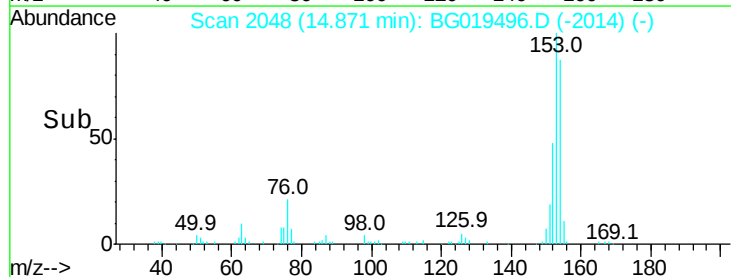
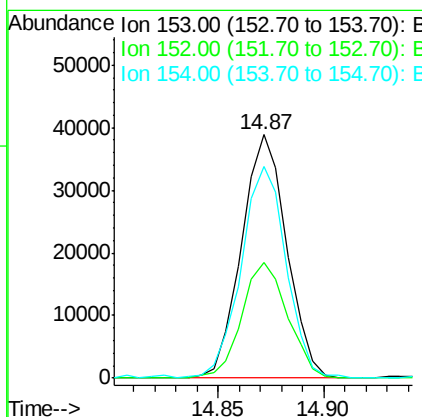
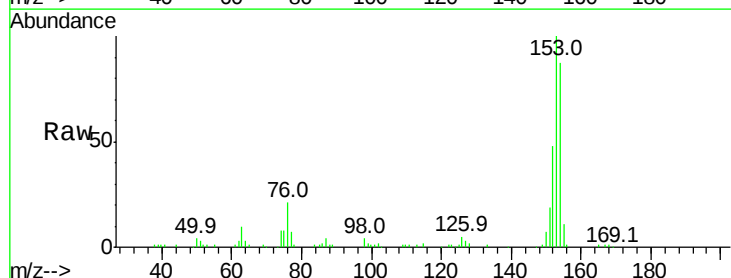
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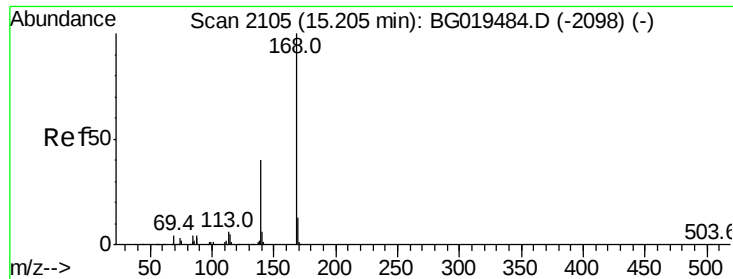
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#50
Acenaphthene
Concen: 6.89 ng/ul
RT: 14.87 min Scan# 2048
Delta R.T. 0.00 min
Lab File: BG019496.D
Acq: 5 Nov 2015 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
153	100			
152	47.7	38.8	58.2	
154	86.8	71.5	107.3	





#54

Dibenzofuran

Concen: 3.68 ng/ul

RT: 15.20 min Scan# 2104

Delta R.T. -0.00 min

Lab File: BG019496.D

Acq: 5 Nov 2015 17:23

Instrument :

BNA_G

ClientSampleId :

C0AP6

Tot Ion:168 Resp: 45251

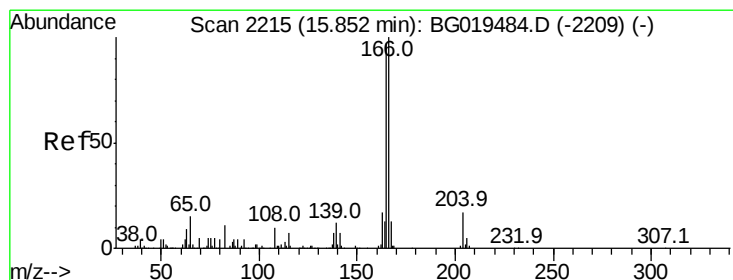
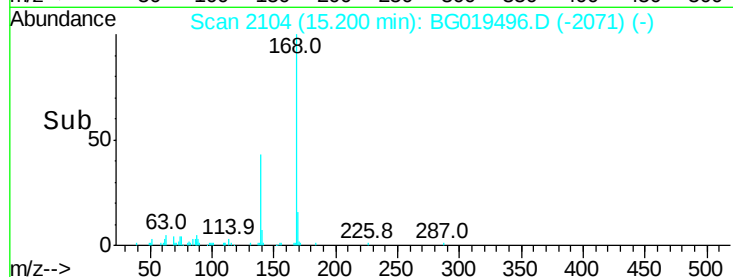
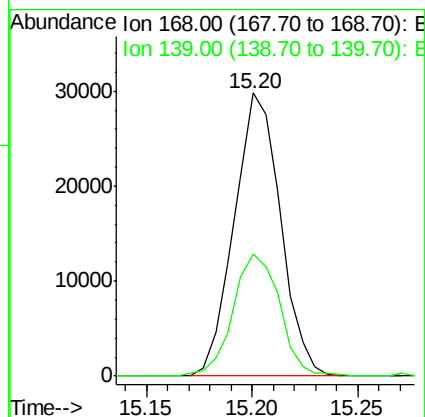
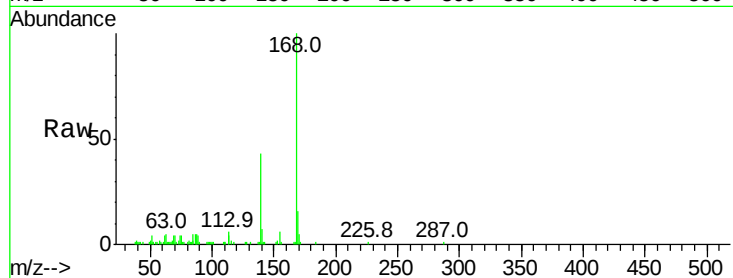
Ion Ratio Lower Upper

168 100

139 43.4 32.4 48.6

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#59

Fluorene

Concen: 6.96 ng/ul

RT: 15.85 min Scan# 2214

Delta R.T. -0.00 min

Lab File: BG019496.D

Acq: 5 Nov 2015 17:23

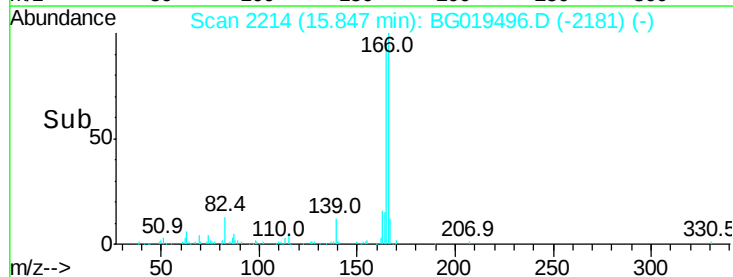
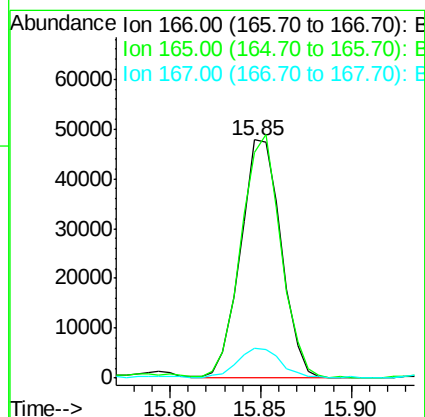
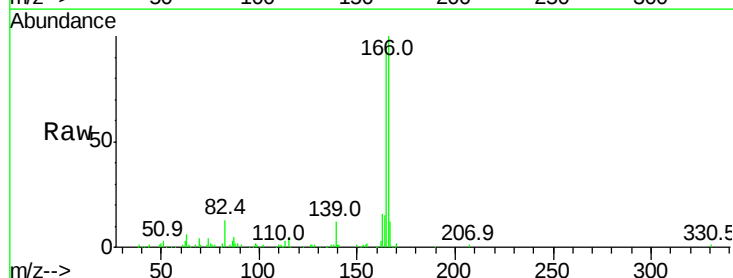
Tgt Ion:166 Resp: 74615

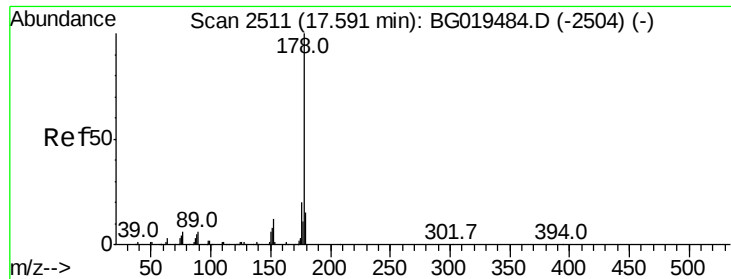
Ion Ratio Lower Upper

166 100

165 94.8 77.6 116.4

167 12.4 9.6 14.4





#70

Phenanthrene

Concen: 18.48 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. 0.00 min

Lab File: BG019496.D

Acq: 5 Nov 2015 17:23

Instrument :

BNA_G

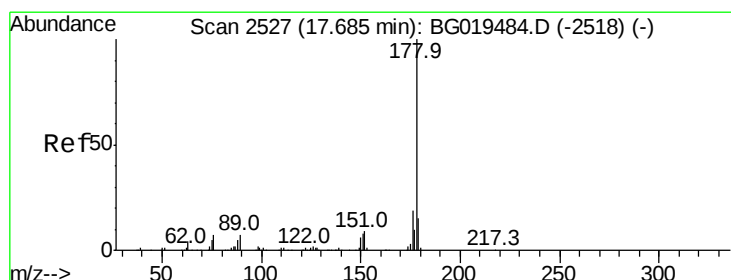
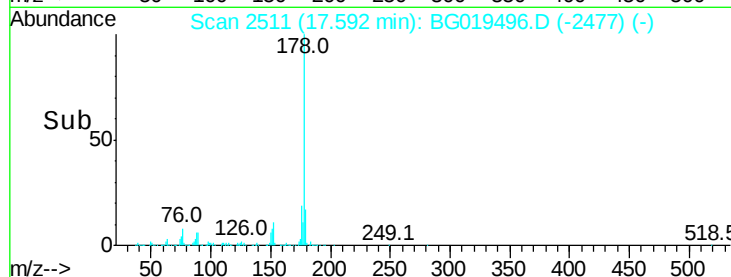
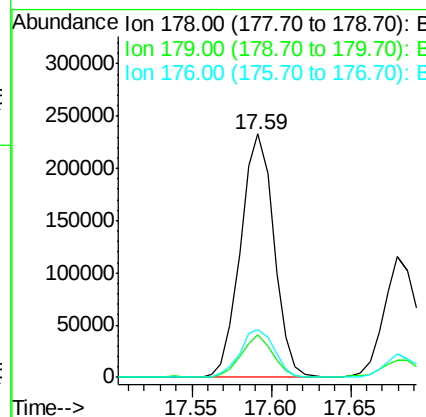
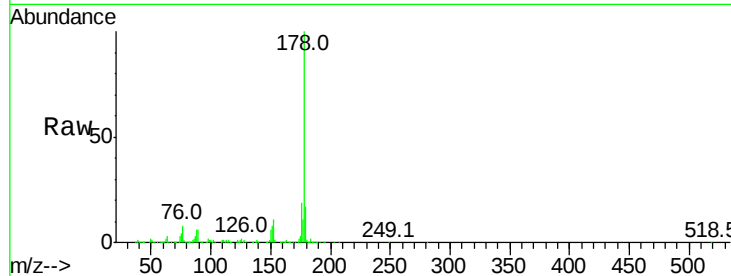
ClientSampleId :

C0AP6

Tot Ion:178	Resp:	341216
Ion Ratio	Lower	Upper
178	100	
179	17.3	12.6 18.8
176	19.4	14.3 21.5

Manual Integrations
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#72

Anthracene

Concen: 8.84 ng/ul

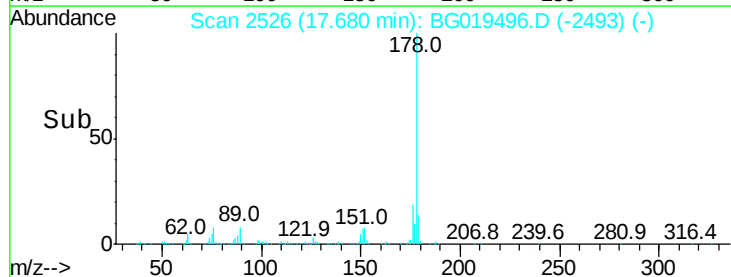
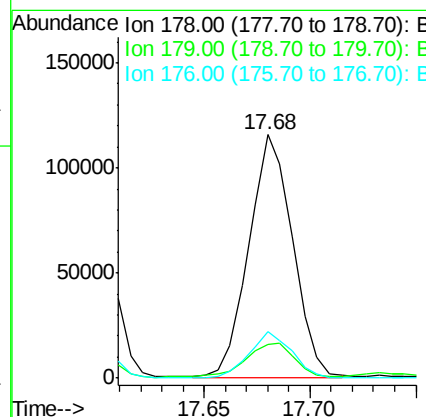
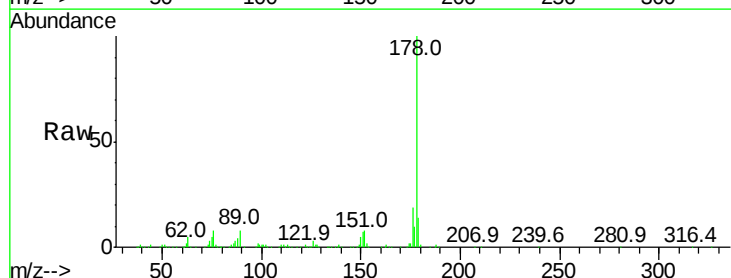
RT: 17.68 min Scan# 2526

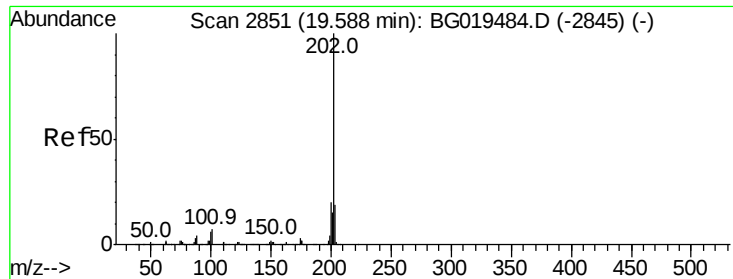
Delta R.T. -0.00 min

Lab File: BG019496.D

Acq: 5 Nov 2015 17:23

Tgt Ion:178	Resp:	166424
Ion Ratio	Lower	Upper
178	100	
179	13.8	11.6 17.4
176	19.1	14.2 21.4





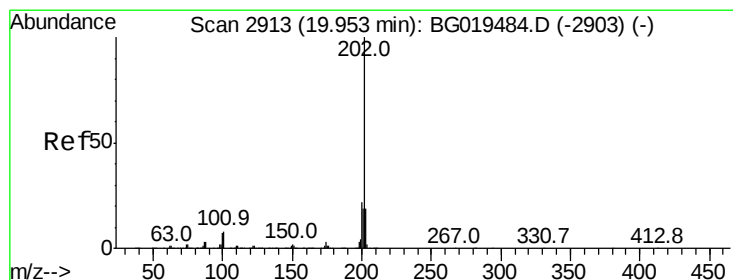
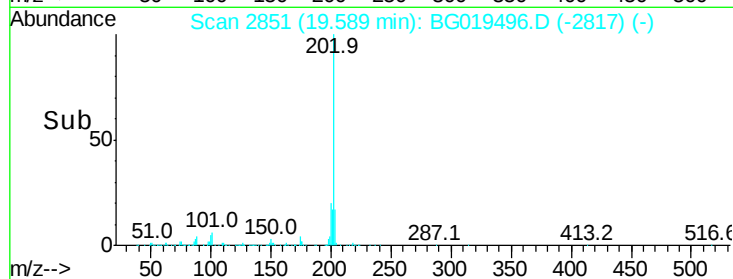
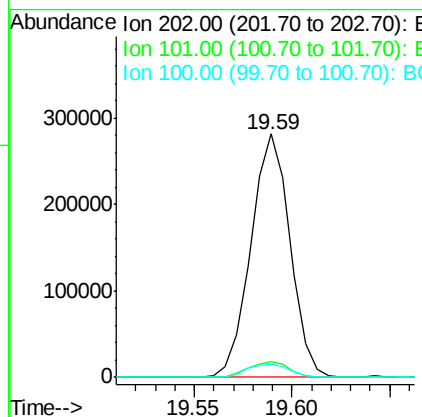
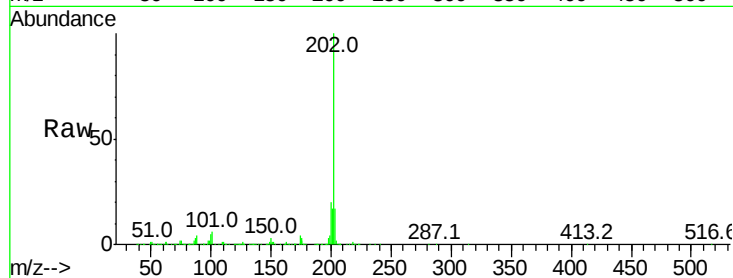
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Fluoranthene
 Concen: 16.25 ng/ul
 RT: 19.59 min Scan# 2851
 Delta R.T. 0.00 min
 Lab File: BG019496.D
 Acq: 5 Nov 2015 17:23

Instrument :
 BNA_G
 ClientSampleId :
 C0AP6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	6.3	4.0	6.0#
100	5.2	3.6	5.4

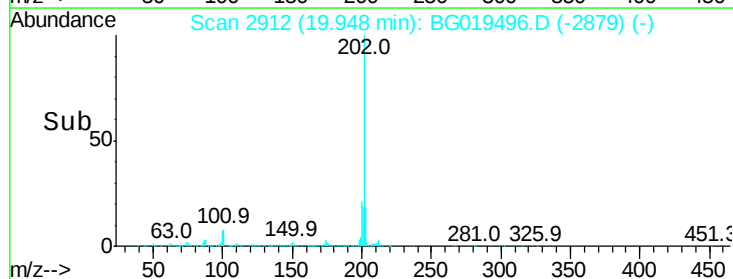
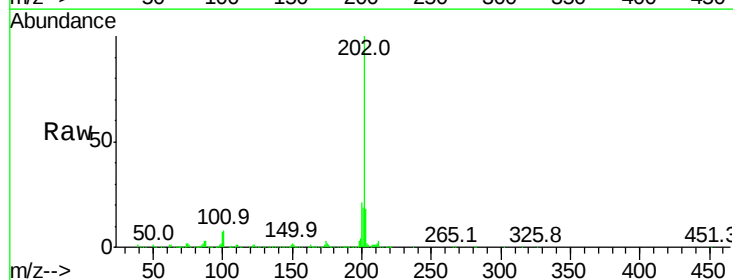
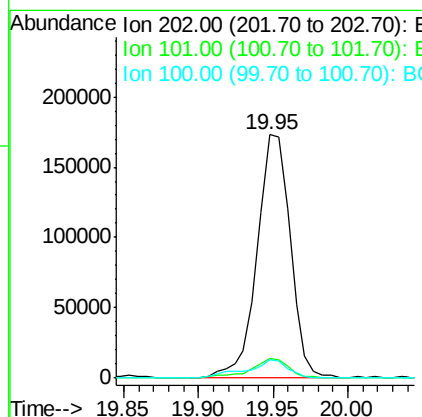
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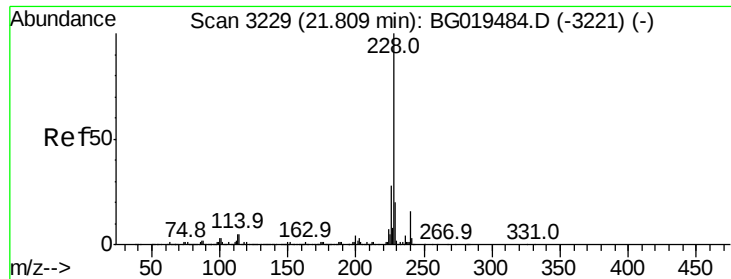
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#80
Pyrene
 Concen: 10.07 ng/ul
 RT: 19.95 min Scan# 2912
 Delta R.T. -0.00 min
 Lab File: BG019496.D
 Acq: 5 Nov 2015 17:23

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	7.8	4.3	6.5#
100	7.3	3.6	5.4#





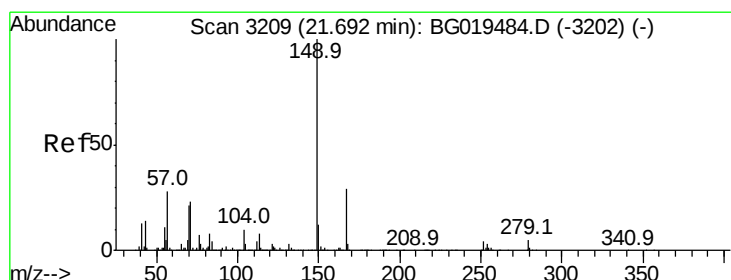
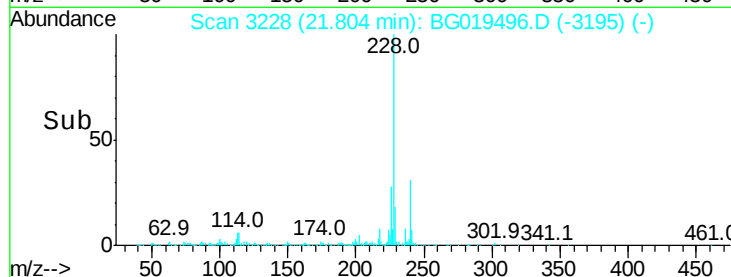
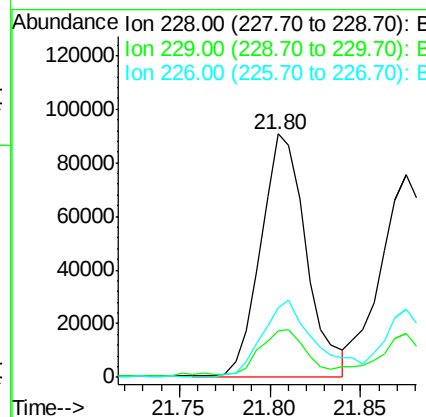
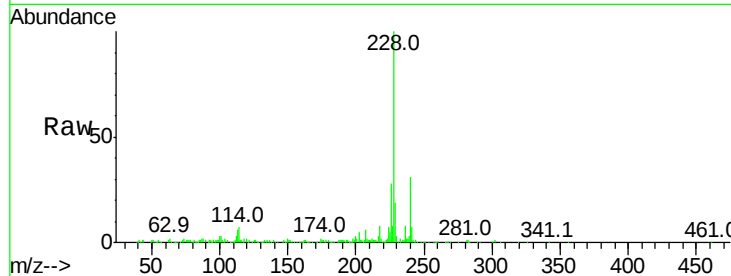
#83
Benzo(a)anthracene
Concen: 5.76 ng/ul
RT: 21.80 min Scan# 3228
Delta R.T. -0.00 min
Lab File: BG019496.D
Acq: 5 Nov 2015 17:23

Instrument :
BNA_G
ClientSampleId :
C0AP6

Tot Ion	Ratio	Lower	Upper
228	100		
229	19.0	15.8	23.8
226	28.3	21.8	32.6

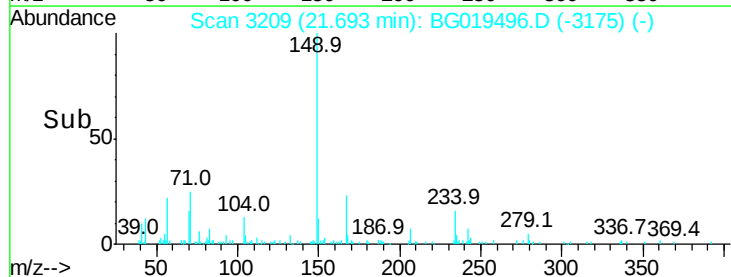
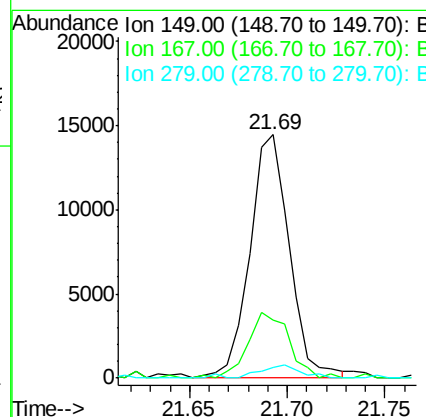
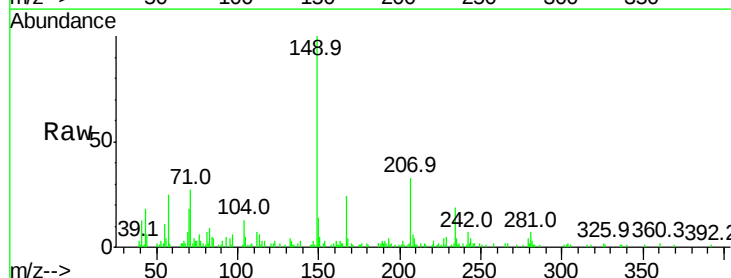
Manual Integrations
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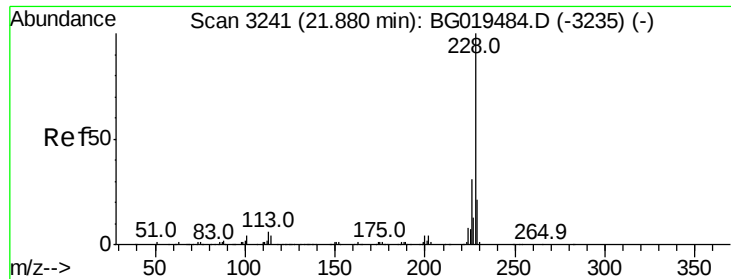
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11/6/2015 3:43:42 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 1.67 ng/ul
RT: 21.69 min Scan# 3209
Delta R.T. 0.00 min
Lab File: BG019496.D
Acq: 5 Nov 2015 17:23

Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.0	23.2	34.8
279	4.4	5.0	7.4#





#85

Chrysene

Concen: 5.27 ng/ul

RT: 21.87 min Scan# 3240

Delta R.T. -0.00 min

Lab File: BG019496.D

Acq: 5 Nov 2015 17:23

Instrument :

BNA_G

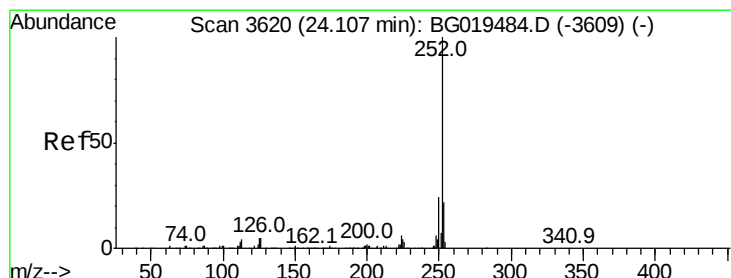
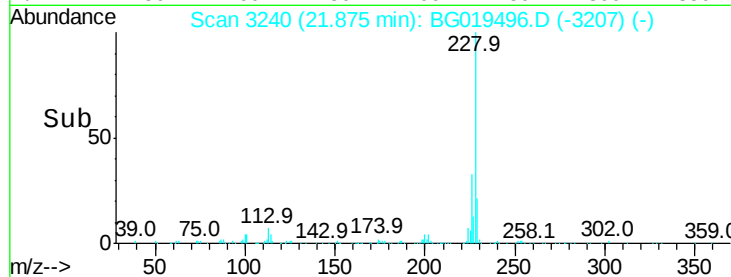
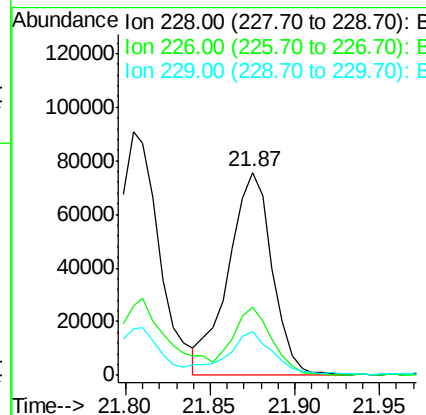
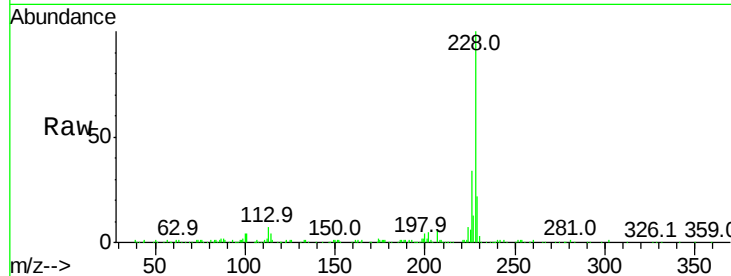
ClientSampleId :

C0AP6

Tot Ion:	228	Resp:	135296
Ion Ratio	Lower	Upper	
228	100		
226	33.6	24.6	36.8
229	21.8	17.3	25.9

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#88

Benzo(b)fluoranthene

Concen: 5.29 ng/ul

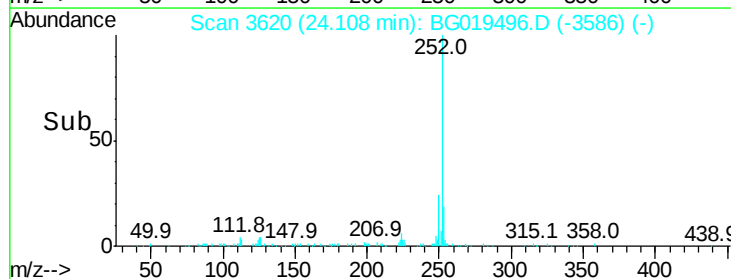
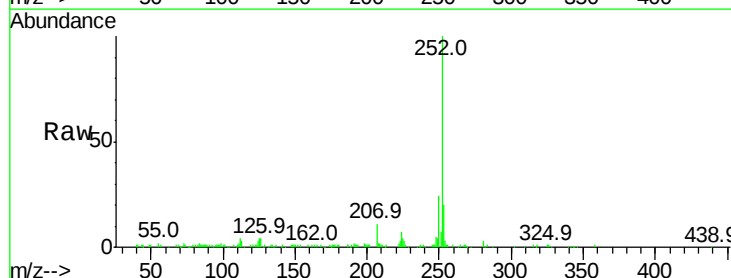
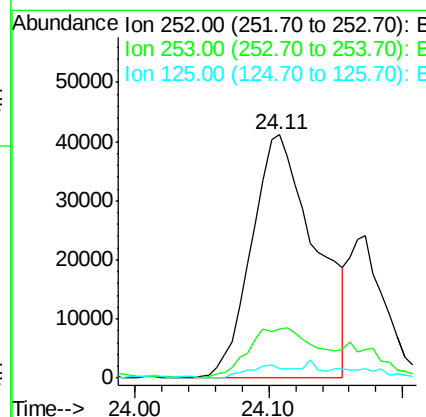
RT: 24.11 min Scan# 3620

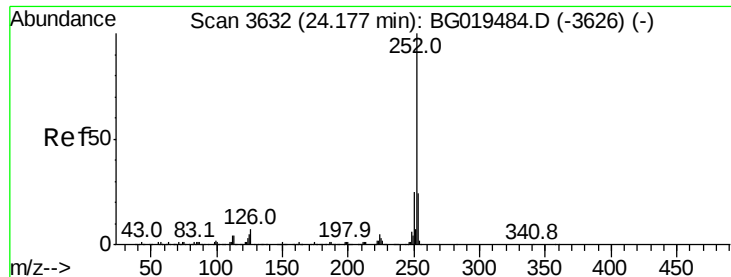
Delta R.T. 0.00 min

Lab File: BG019496.D

Acq: 5 Nov 2015 17:23

Tgt Ion:	252	Resp:	136421
Ion Ratio	Lower	Upper	
252	100		
253	20.3	17.1	25.7
125	4.0	2.5	3.7#





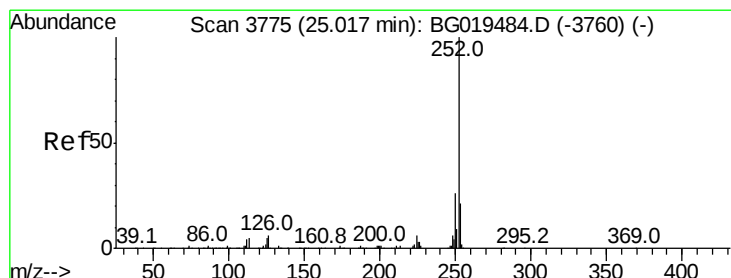
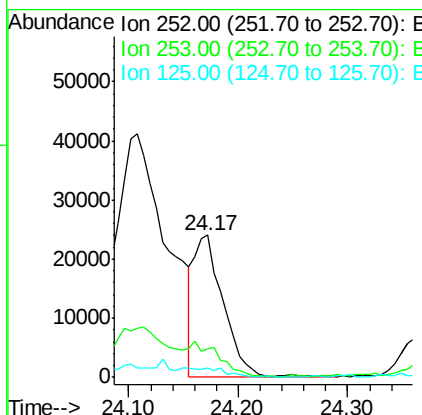
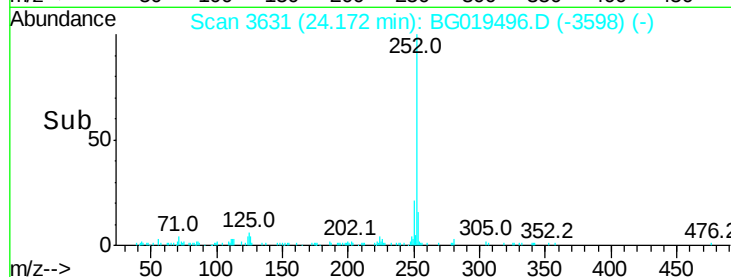
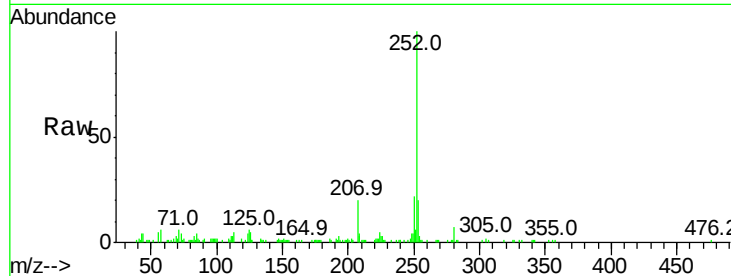
#89
Benzo(k)fluoranthene
Concen: 1.82 ng/ul m
RT: 24.17 min Scan# 3631
Delta R.T. -0.00 min
Lab File: BG019496.D
Acq: 5 Nov 2015 17:23

Instrument :
BNA_G
ClientSampleId :
C0AP6

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.2	17.2	25.8
125	6.2	3.1	4.7#

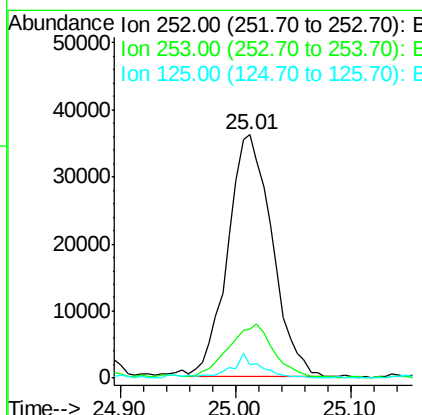
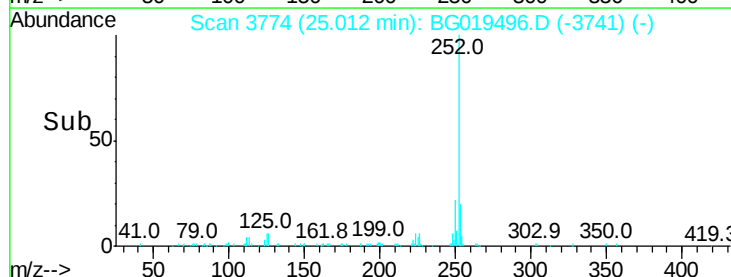
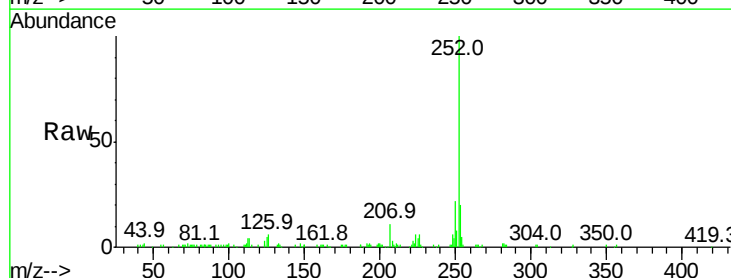
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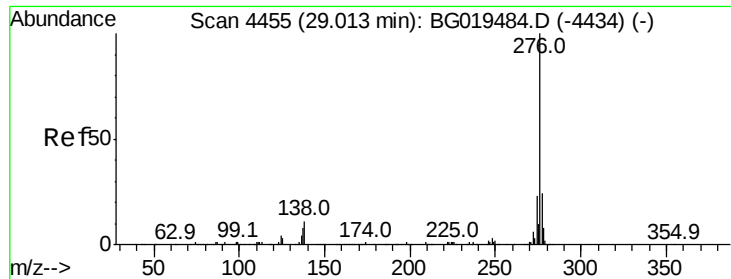
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#91
Benzo(a)pyrene
Concen: 3.89 ng/ul
RT: 25.01 min Scan# 3774
Delta R.T. -0.00 min
Lab File: BG019496.D
Acq: 5 Nov 2015 17:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.0	16.0	24.0
125	5.4	3.3	4.9#





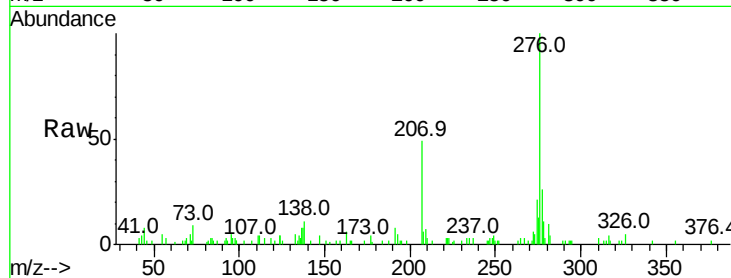
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 1.74 ng/ul m
 RT: 29.00 min Scan# 4452
 Delta R.T. -0.02 min
 Lab File: BG019496.D
 Acq: 5 Nov 2015 17:23

Instrument :
 BNA_G
 ClientSampleId :
 C0AP6

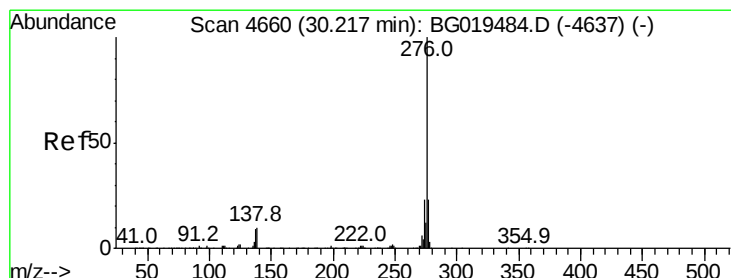
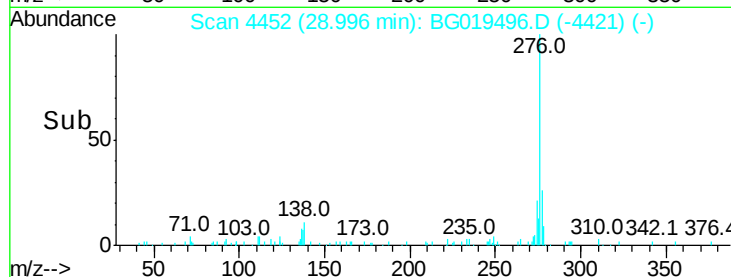
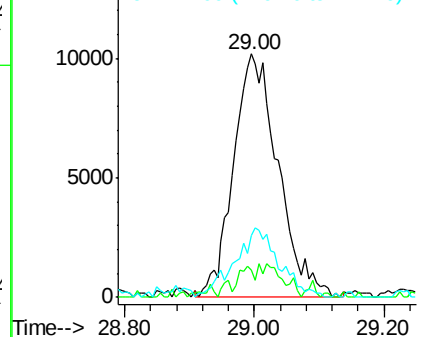
Tot Ion	Ratio	Lower	Upper
276	100		
138	11.5	6.2	9.4#
277	25.5	17.9	26.9

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



#94
 Benzo(g,h,i)perylene
 Concen: 1.59 ng/ul m
 RT: 30.22 min Scan# 4661
 Delta R.T. 0.01 min
 Lab File: BG019496.D
 Acq: 5 Nov 2015 17:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.4	5.6	8.4#
277	16.4	16.0	24.0

Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

