

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
 Data File : BG019494.D
 Acq On : 5 Nov 2015 16:06
 Operator : UM/NP
 Sample : G4273-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AP4

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:43:29 PM

Quant Time: Nov 06 06:21:24 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	38559	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	162439	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.81	164	131055	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.55	188	367169	20.00	ng/ul	0.00
78) Chrysene-d12	21.83	240	465370	20.00	ng/ul	0.00
86) Perylene-d12	25.17	264	445029	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	2982	3.70	ng/uL	0.00
5) Phenol-d5	7.32	99	75016	21.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	50125	22.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	46429	21.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	61970	21.98	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	24133	20.22	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	29583	20.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.62	165	61374	19.96	ng/ul	0.00
29) 4-Chloroaniline-d4	11.14	131	74396	23.92	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	225840	20.90	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	252174	21.07	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	33736	19.65	ng/ul	0.00
58) Fluorene-d10	15.80	176	205411	20.55	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	39709	16.71	ng/ul	0.00
71) Anthracene-d10	17.65	188	348150	20.80	ng/ul	0.00
79) Pyrene-d10	19.92	212	409865	20.13	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.94	264	473254	21.19	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	11.06	128	11004	1.35	ng/ul#	86
34) 2-Methylnaphthalene	12.65	142	24256	3.71	ng/ul	83
35) 1-Methylnaphthalene	12.86	142	18892	3.06	ng/ul#	86
45) Dimethylphthalate	14.25	163	96720	8.75	ng/ul	97
50) Acenaphthene	14.87	153	94759	11.45	ng/ul	95
54) Dibenzofuran	15.20	168	84034	6.89	ng/ul	96
59) Fluorene	15.85	166	128941	12.12	ng/ul	95
70) Phenanthrene	17.59	178	569556	30.74	ng/ul	97
72) Anthracene	17.68	178	363729	19.26	ng/ul	98
75) Carbazole	17.95	167	47770	3.17	ng/ul	99
77) Fluoranthene	19.59	202	528214m	22.02	ng/ul	
80) Pyrene	19.95	202	374337	14.33	ng/ul#	92
83) Benzo(a)anthracene	21.81	228	192596	7.11	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.69	149	19550	1.62	ng/ul#	89
85) Chrysene	21.88	228	169786	6.68	ng/ul	99
88) Benzo(b)fluoranthene	24.11	252	148660	5.66	ng/ul#	91
89) Benzo(k)fluoranthene	24.17	252	52316	2.07	ng/ul#	97
91) Benzo(a)pyrene	25.01	252	118487	4.70	ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	29.00	276	58630m	2.06	ng/ul	
94) Benzo(g,h,i)perylene	30.20	276	43286m	2.01	ng/ul	

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

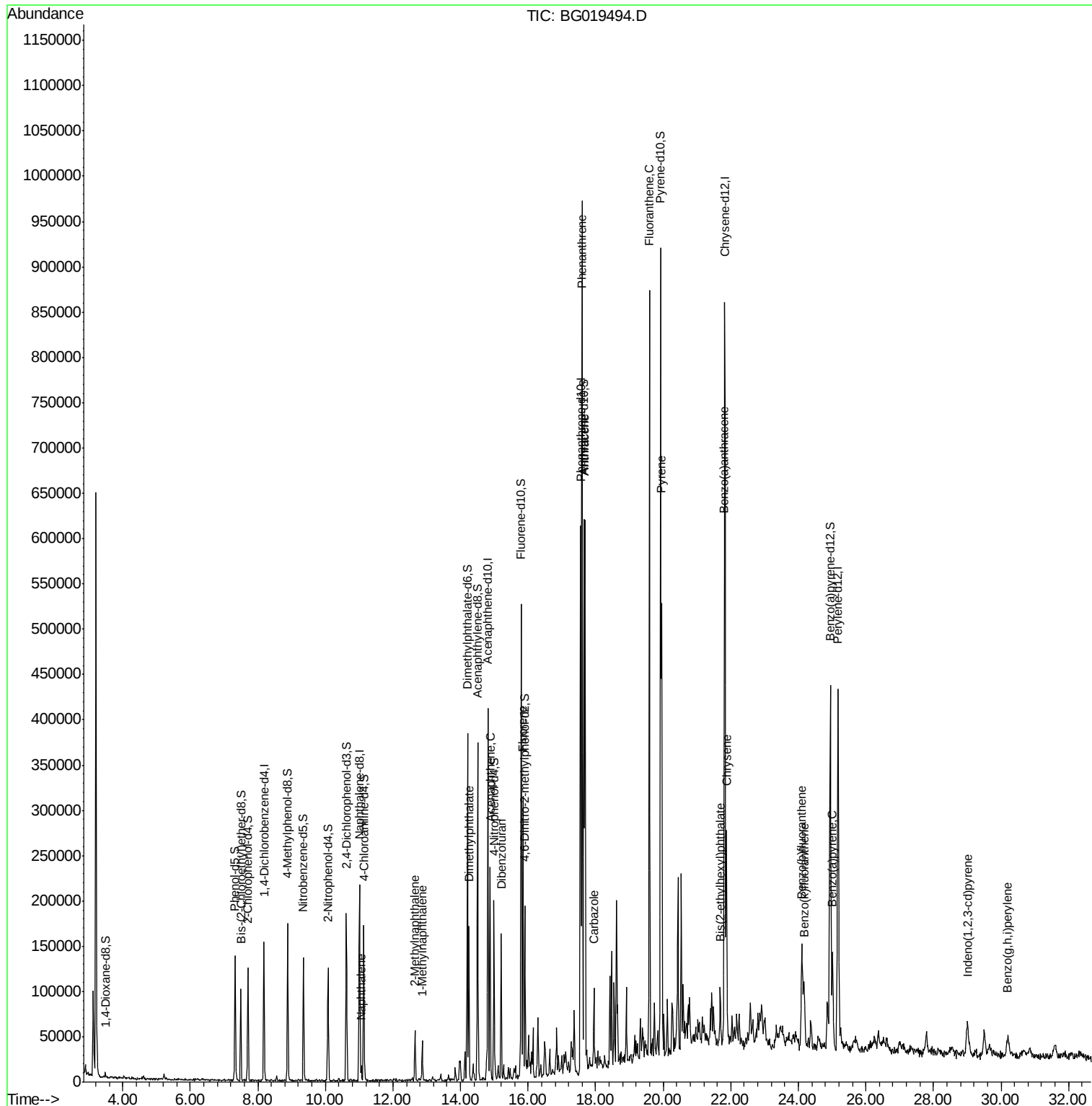
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 Data File : BG019494.D
 Acq On : 5 Nov 2015 16:06
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 Sample : G4273-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

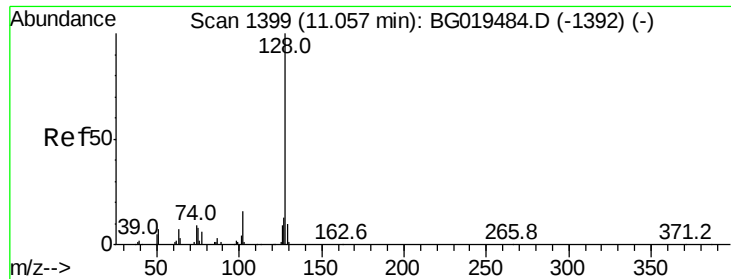
Instrument :
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 ClientSampleId :
 C0AP4

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Quant Time: Nov 06 06:21:24 2015
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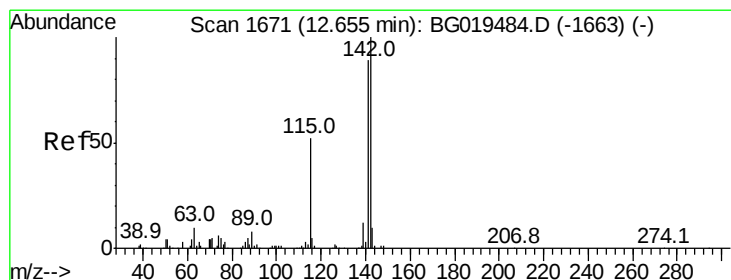
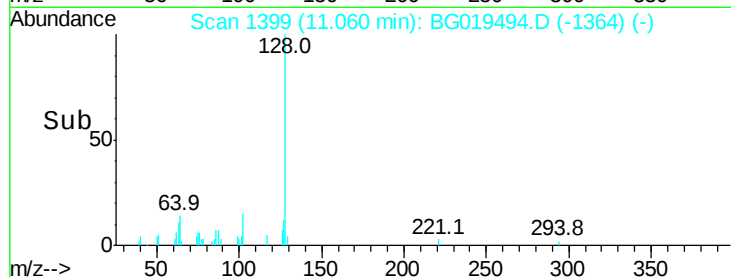
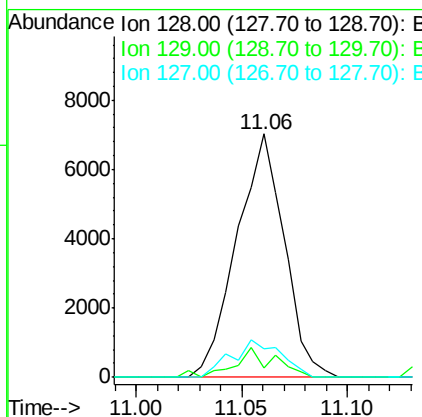
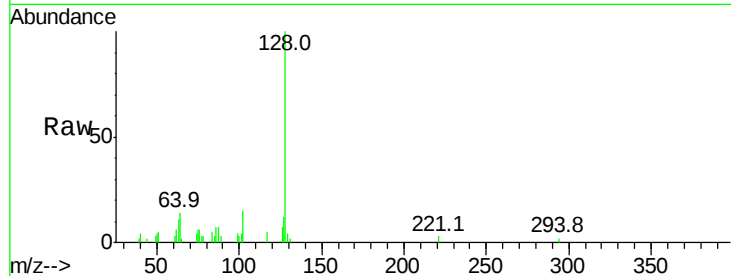
#28
Naphthalene
Concen: 1.35 ng/ul
RT: 11.06 min Scan# 1399
Delta R.T. 0.00 min
Lab File: BG019494.D
Acq: 5 Nov 2015 16:06

Instrument :
BNA_G
ClientSampleId :
C0AP4

Tot Ion	Ratio	Lower	Upper
128	100		
129	4.1	8.9	13.3#
127	11.9	13.1	19.7#

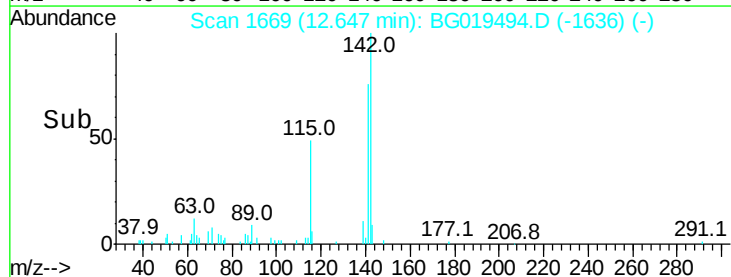
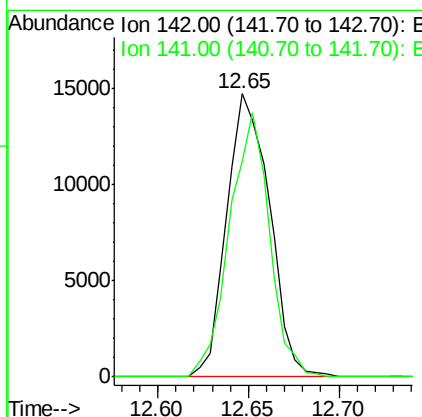
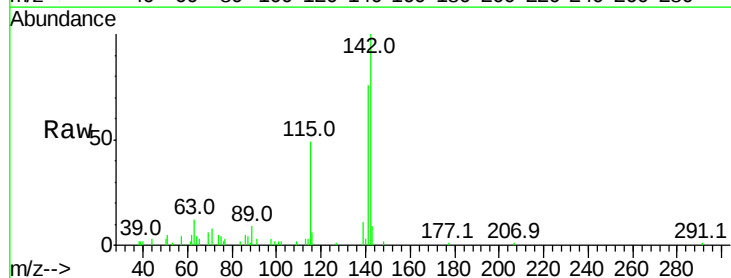
Manual Integrations
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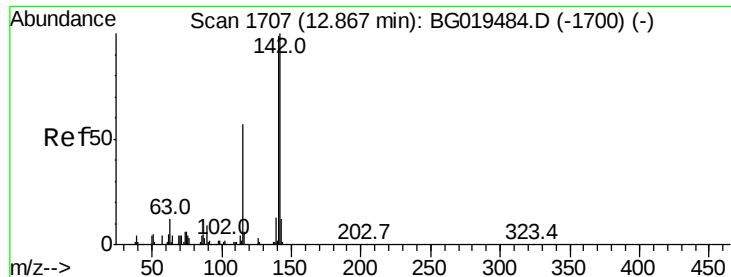
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#34
2-Methylnaphthalene
Concen: 3.71 ng/ul
RT: 12.65 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BG019494.D
Acq: 5 Nov 2015 16:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	76.0	73.4	110.2





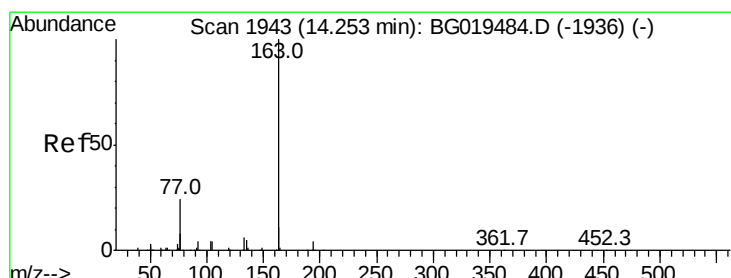
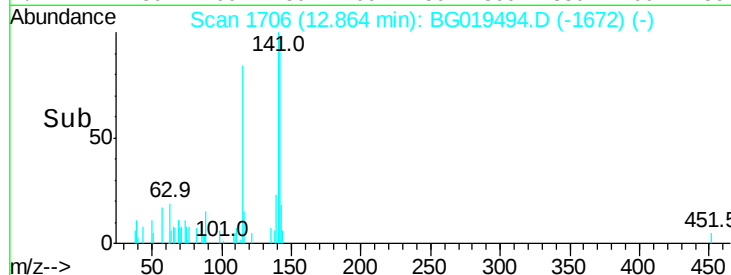
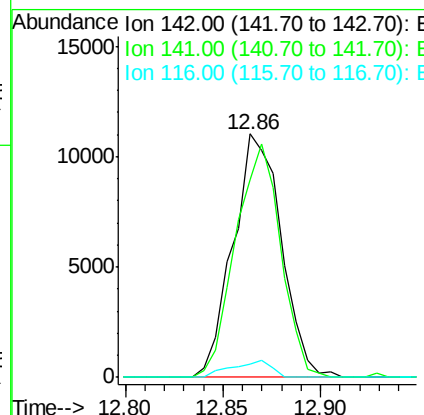
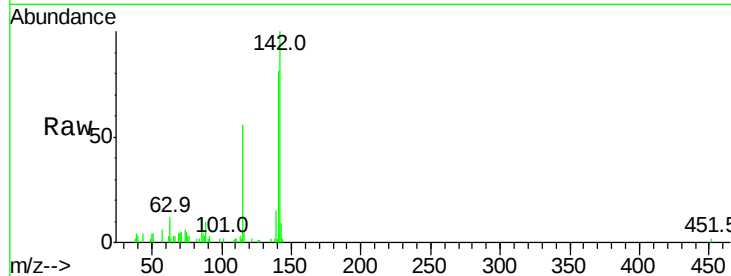
#35
 1-Methylnaphthalene
 Concen: 3.06 ng/ul
 RT: 12.86 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: BG019494.D
 Acq: 5 Nov 2015 16:06

Instrument :
 BNA_G
 ClientSampleId :
 C0AP4

Tot Ion	Ratio	Lower	Upper
142	100		
141	81.0	76.5	114.7
116	5.3	5.4	8.0#

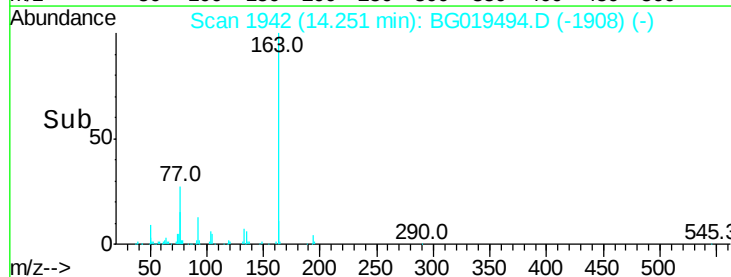
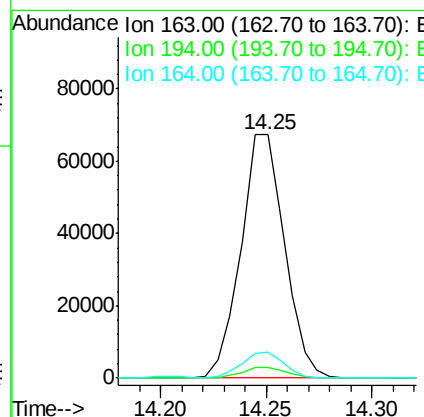
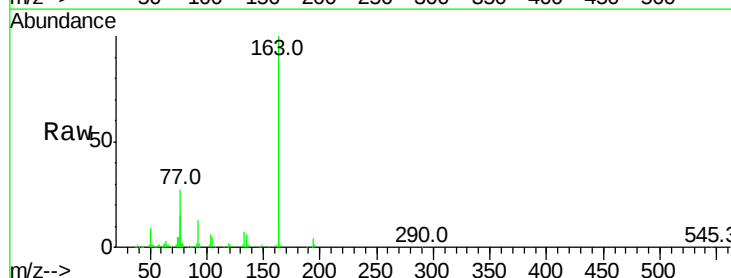
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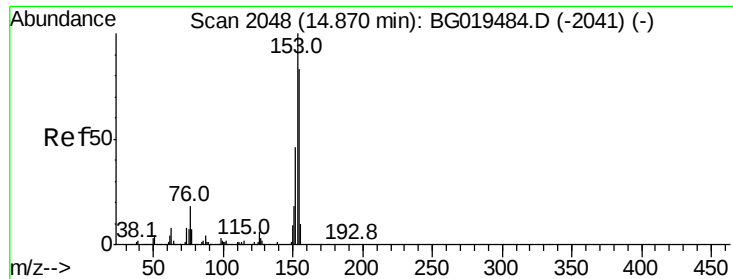
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#45
 Dimethylphthalate
 Concen: 8.75 ng/ul
 RT: 14.25 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: BG019494.D
 Acq: 5 Nov 2015 16:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	4.3	6.5
164	10.6	7.5	11.3





#50

Acenaphthene

Concen: 11.45 ng/ul

RT: 14.87 min Scan# 2048

Delta R.T. 0.00 min

Lab File: BG019494.D

Acq: 5 Nov 2015 16:06

Instrument :

BNA_G

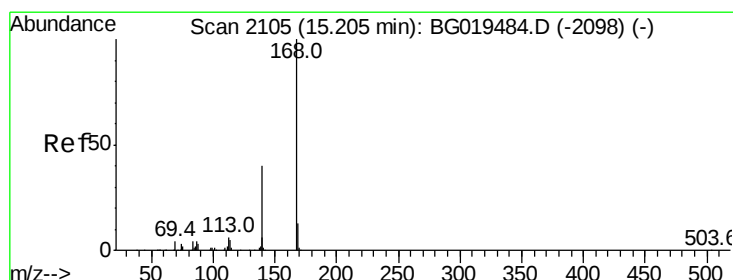
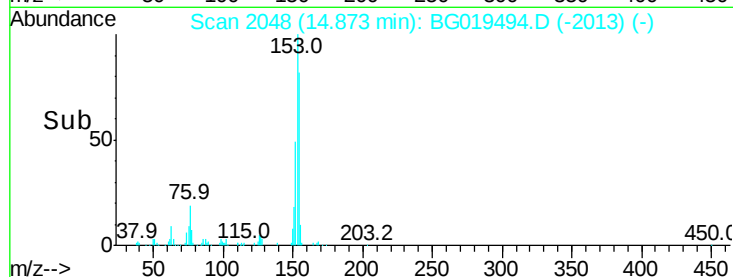
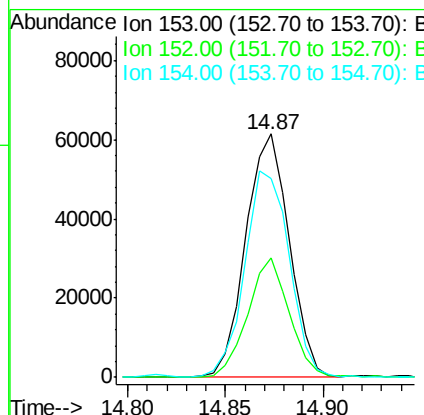
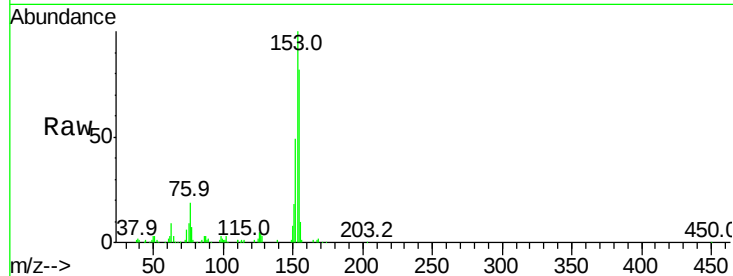
ClientSampleId :

C0AP4

Tot Ion	Ratio	Lower	Upper
153	100		
152	49.0	38.8	58.2
154	81.8	71.5	107.3

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#54

Dibenzofuran

Concen: 6.89 ng/ul

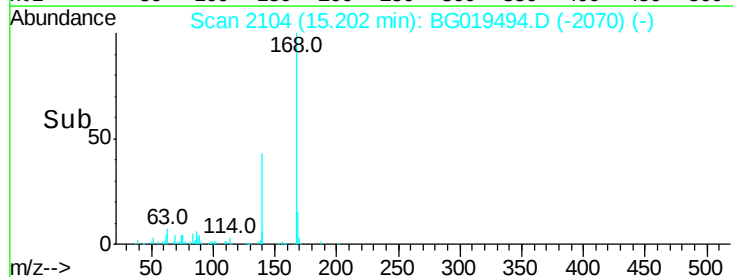
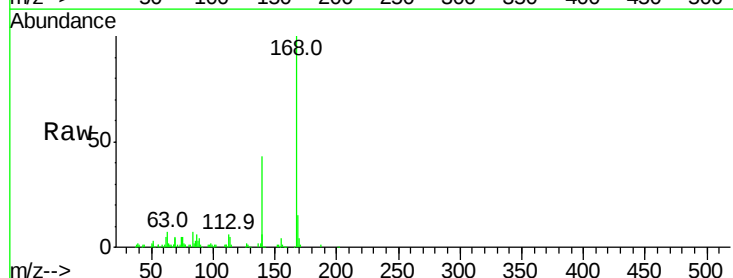
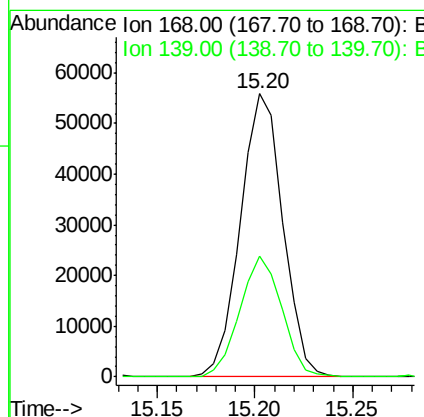
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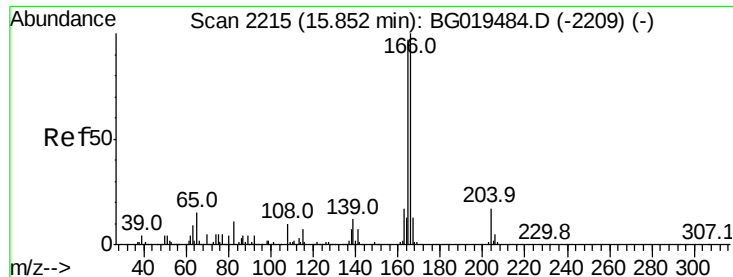
Delta R.T. -0.00 min

Lab File: BG019494.D

Acq: 5 Nov 2015 16:06

Tgt Ion	Ratio	Lower	Upper
168	100		
139	42.8	32.4	48.6





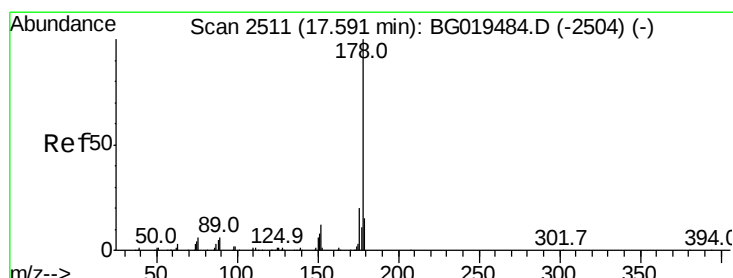
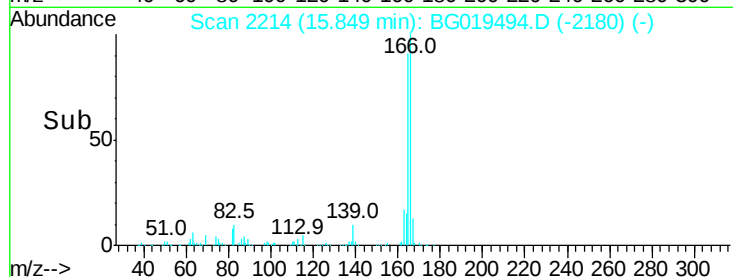
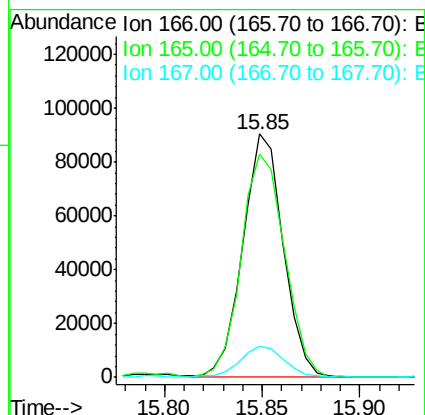
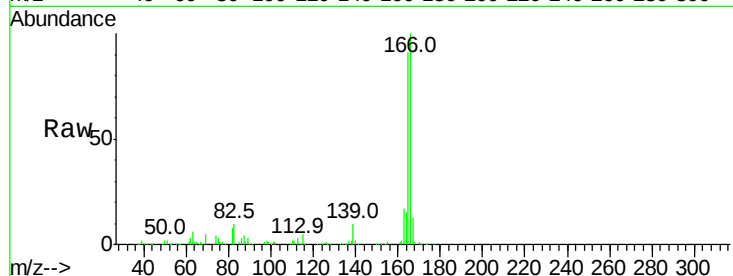
#59
 Fluorene
 Concen: 12.12 ng/ul
 RT: 15.85 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: BG019494.D
 Acq: 5 Nov 2015 16:06

Instrument :
 BNA_G
 ClientSampleId :
 C0AP4

Tot Ion:	166	Resp:	128941
Ion Ratio	Lower	Upper	
166	100		
165	91.4	77.6	116.4
167	12.6	9.6	14.4

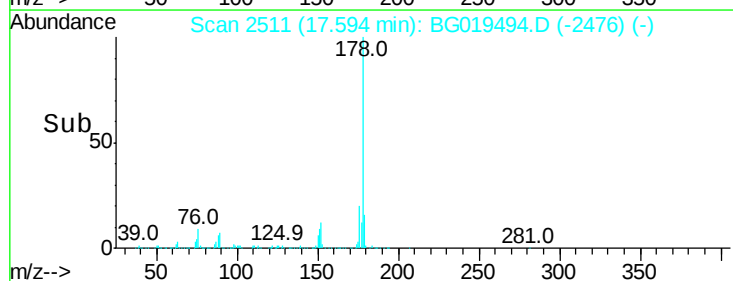
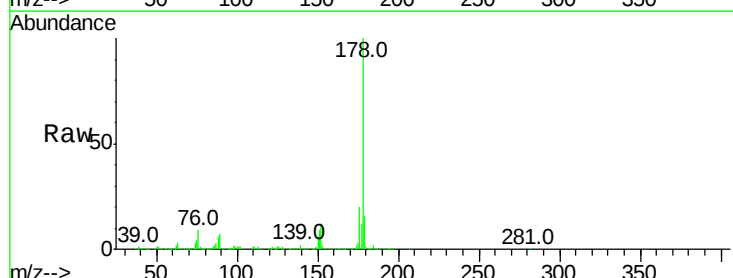
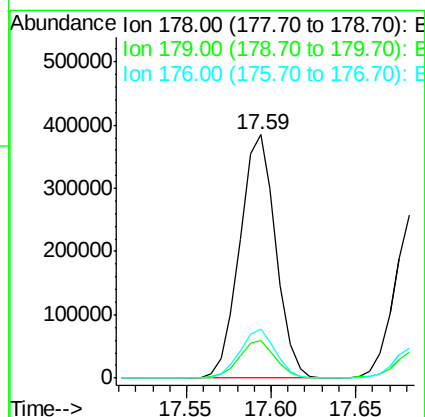
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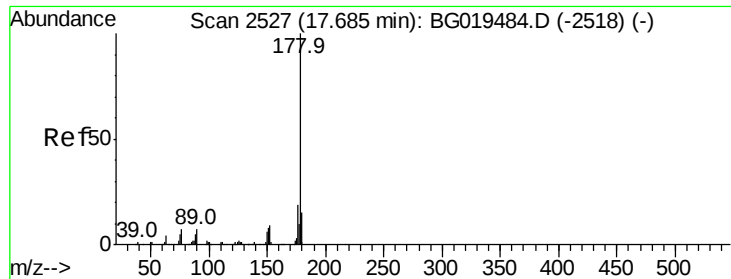
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#70
 Phenanthrene
 Concen: 30.74 ng/ul
 RT: 17.59 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: BG019494.D
 Acq: 5 Nov 2015 16:06

Tgt Ion:	178	Resp:	569556
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.6	18.8
176	20.3	14.3	21.5





#72

Anthracene

Concen: 19.26 ng/ul

RT: 17.68 min Scan# 2526

Delta R.T. -0.00 min

Lab File: BG019494.D

Acq: 5 Nov 2015 16:06

Instrument :

BNA_G

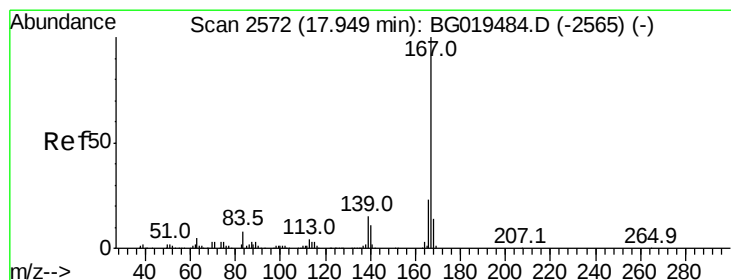
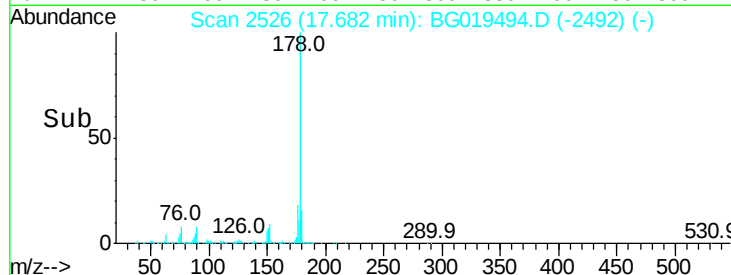
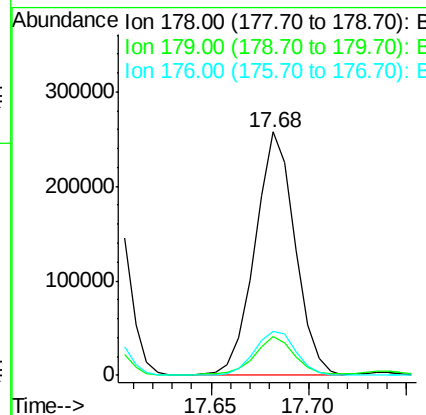
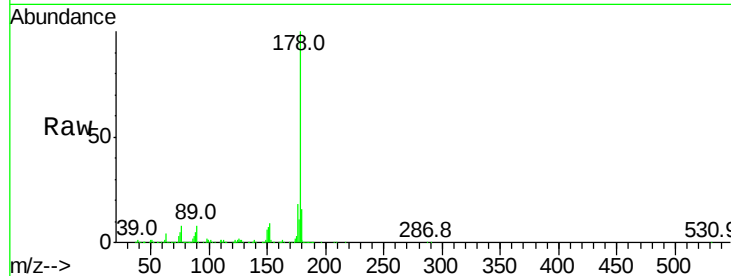
ClientSampleId :

C0AP4

Tot Ion:	178	Resp:	363729
Ion Ratio	Lower	Upper	
178	100		
179	15.8	11.6	17.4
176	18.0	14.2	21.4

Manual Integrations
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#75

Carbazole

Concen: 3.17 ng/ul

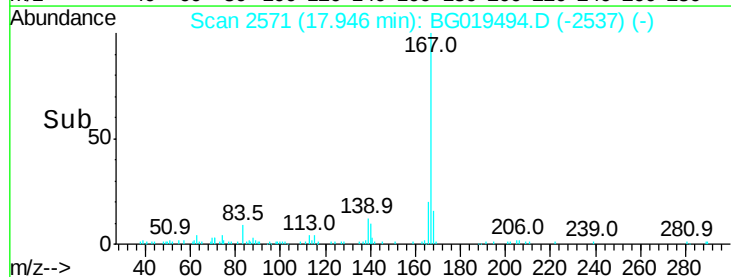
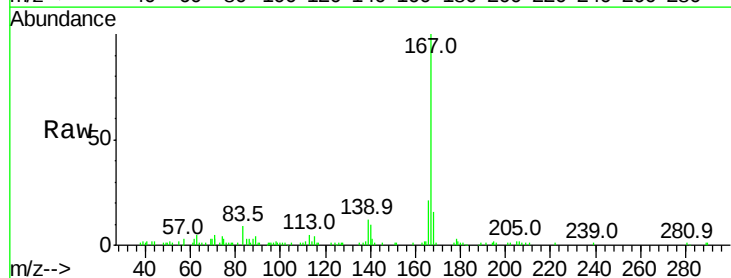
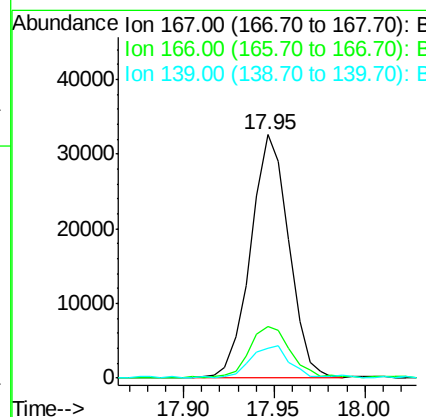
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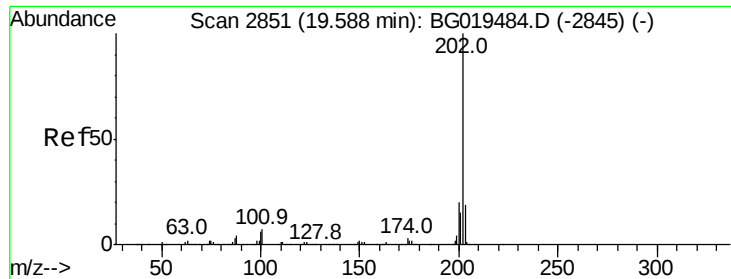
Delta R.T. -0.00 min

Lab File: BG019494.D

Acq: 5 Nov 2015 16:06

Tgt Ion:	167	Resp:	47770
Ion Ratio	Lower	Upper	
167	100		
166	21.3	16.8	25.2
139	12.4	9.8	14.6





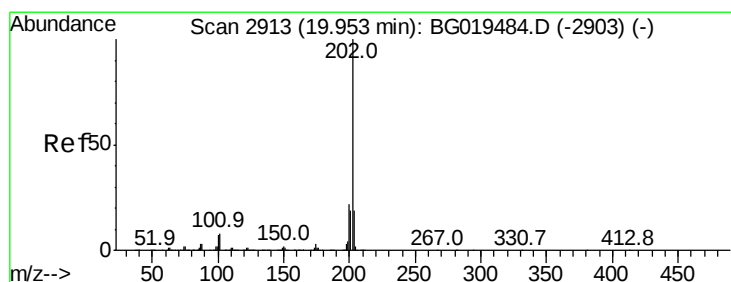
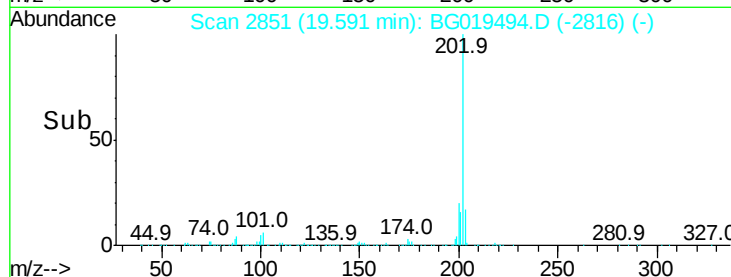
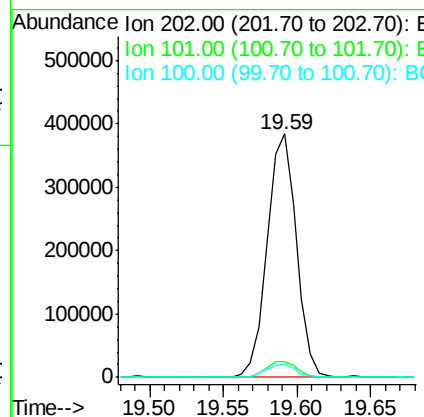
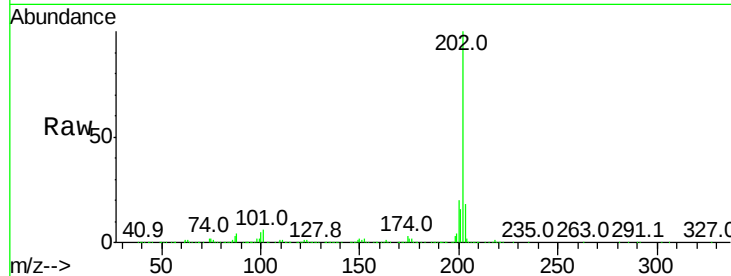
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Fluoranthene
 Concen: 22.02 ng/ul m
 RT: 19.59 min Scan# 2851
 Delta R.T. 0.00 min
 Lab File: BG019494.D
 Acq: 5 Nov 2015 16:06

Instrument :
 BNA_G
 ClientSampleId :
 C0AP4

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

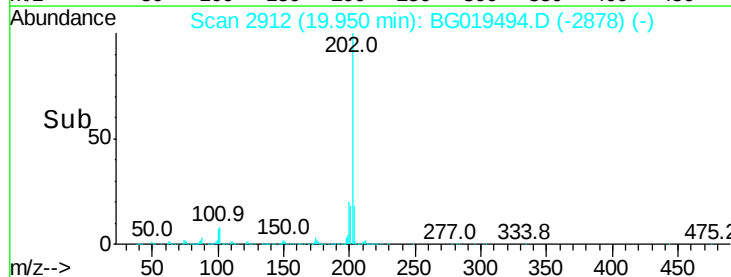
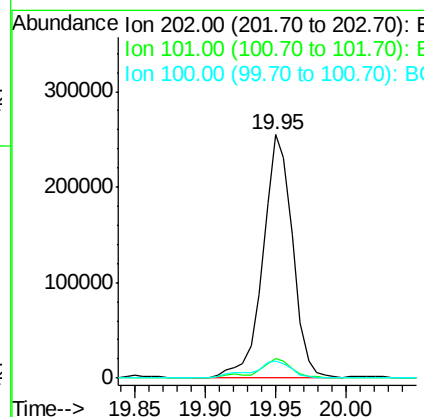
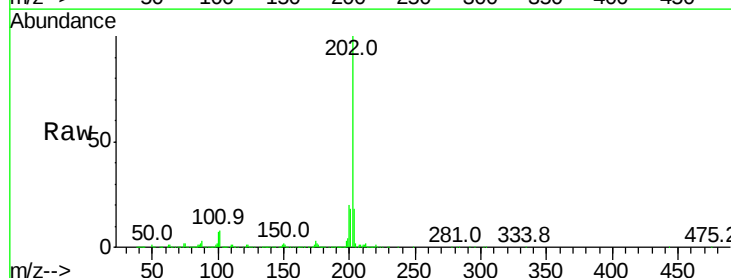
Manual Integrations
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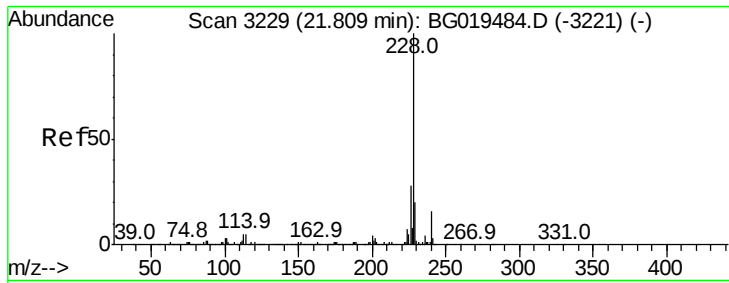
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#80
Pyrene
 Concen: 14.33 ng/ul
 RT: 19.95 min Scan# 2912
 Delta R.T. -0.00 min
 Lab File: BG019494.D
 Acq: 5 Nov 2015 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	8.0	4.3	6.5#	
100	7.0	3.6	5.4#	





#83

Benzo(a)anthracene

Concen: 7.11 ng/ul

RT: 21.81 min Scan# 3228

Delta R.T. -0.00 min

Lab File: BG019494.D

Acq: 5 Nov 2015 16:06

Instrument :

BNA_G

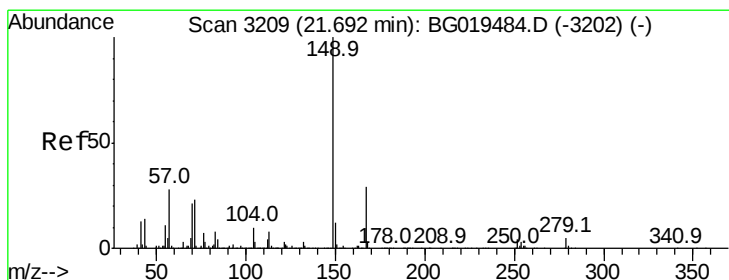
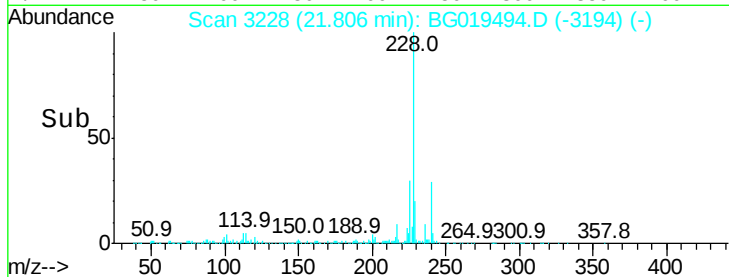
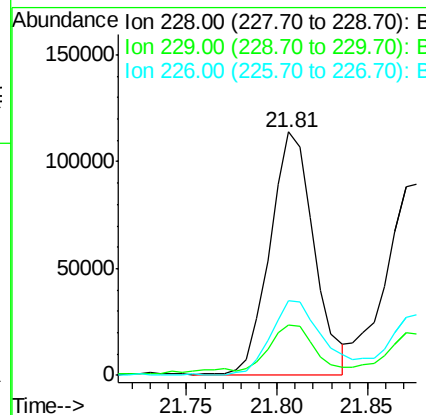
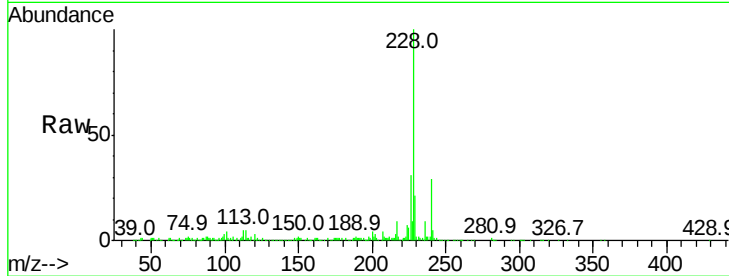
ClientSampleId :

C0AP4

Tot Ion:	228	Resp:	192596
Ion Ratio	Lower	Upper	
228	100		
229	20.7	15.8	23.8
226	30.8	21.8	32.6

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#84

Bis(2-ethylhexyl)phthalate

Concen: 1.62 ng/ul

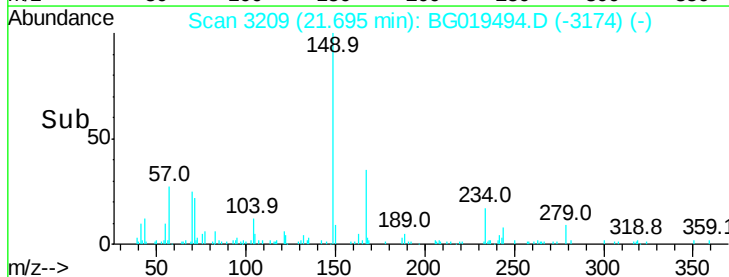
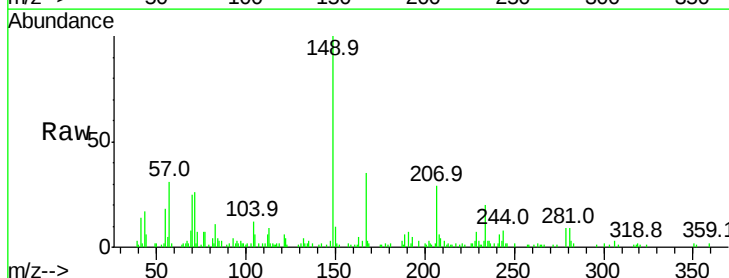
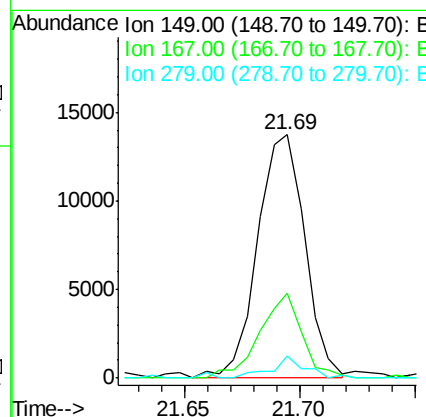
RT: 21.69 min Scan# 3209

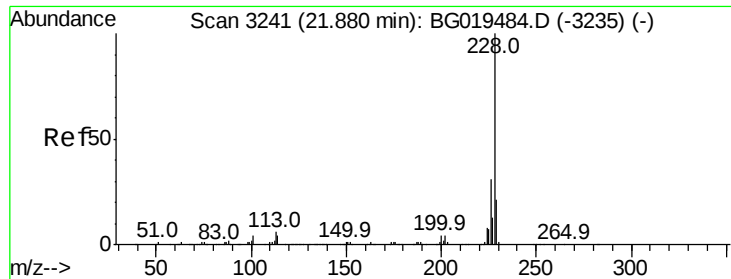
Delta R.T. 0.00 min

Lab File: BG019494.D

Acq: 5 Nov 2015 16:06

Tgt Ion:	149	Resp:	19550
Ion Ratio	Lower	Upper	
149	100		
167	35.1	23.2	34.8#
279	8.9	5.0	7.4#





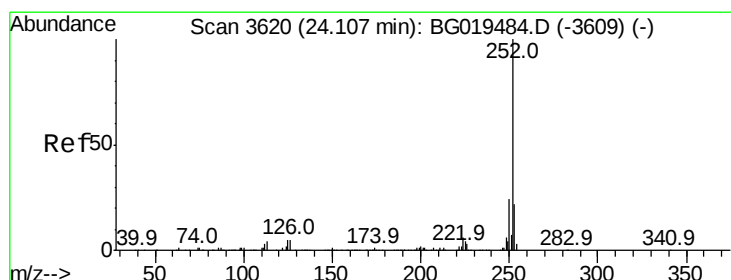
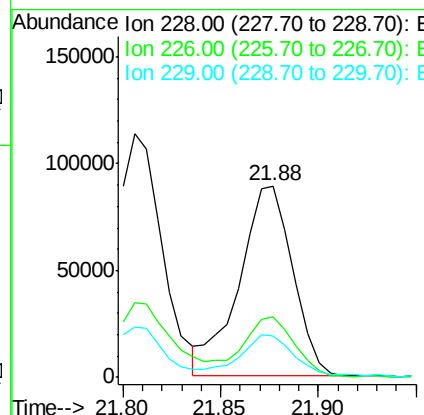
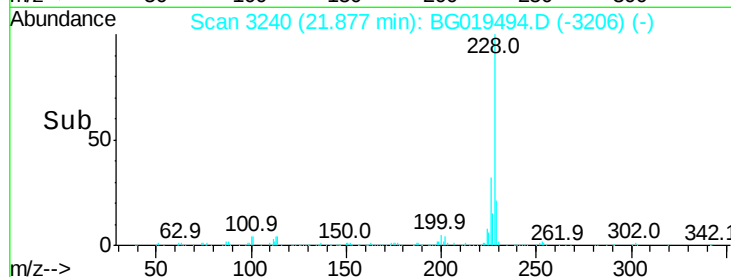
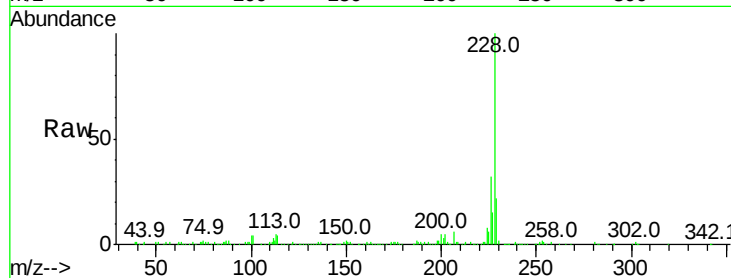
#85
 Chrysene
 Concen: 6.68 ng/ul
 RT: 21.88 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: BG019494.D
 Acq: 5 Nov 2015 16:06

Instrument :
 BNA_G
 ClientSampleId :
 C0AP4

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.6	36.8
229	21.7	17.3	25.9

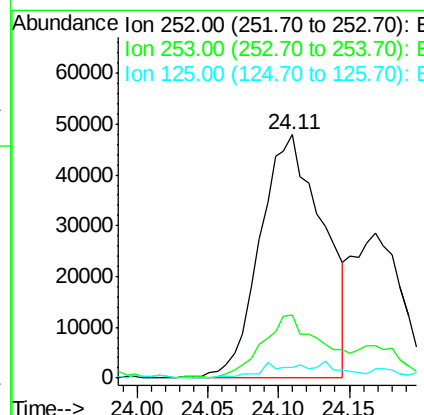
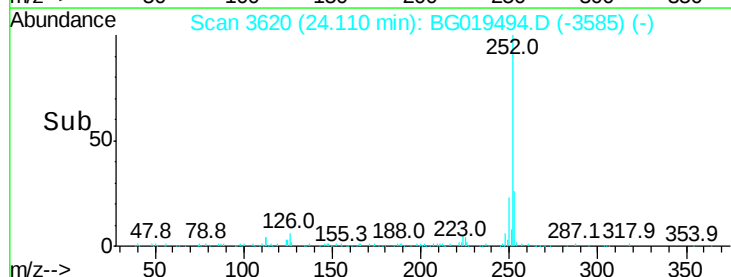
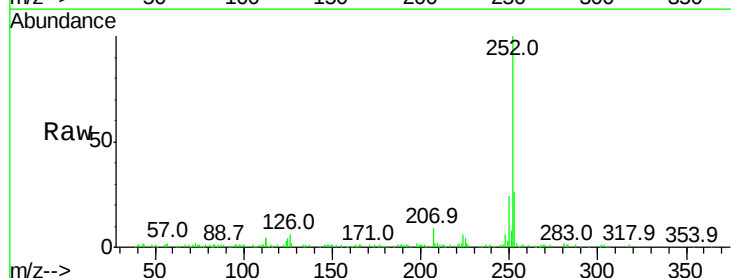
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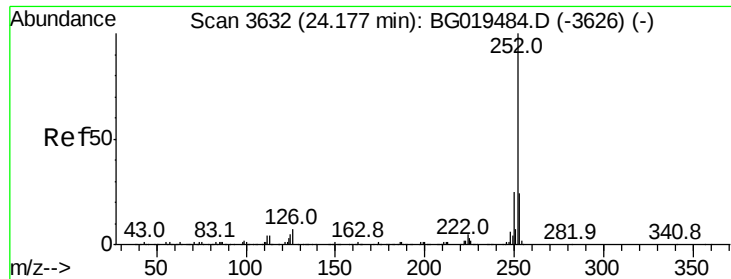
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#88
 Benzo(b)fluoranthene
 Concen: 5.66 ng/ul
 RT: 24.11 min Scan# 3620
 Delta R.T. 0.00 min
 Lab File: BG019494.D
 Acq: 5 Nov 2015 16:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.1	25.7#
125	4.3	2.5	3.7#





#89

Benzo(k)fluoranthene

Concen: 2.07 ng/ul

RT: 24.17 min Scan# 3630

Delta R.T. -0.01 min

Lab File: BG019494.D

Acq: 5 Nov 2015 16:06

Instrument :

BNA_G

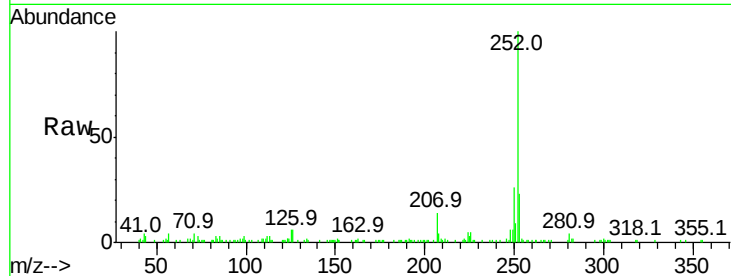
ClientSampleId :

C0AP4

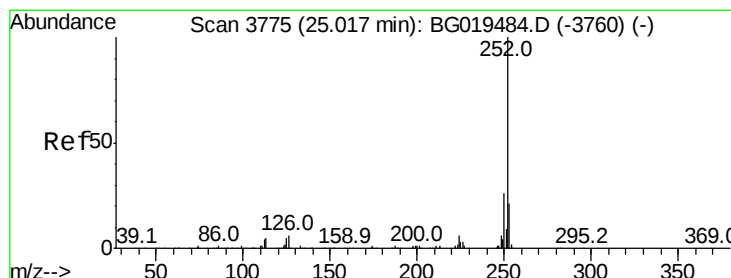
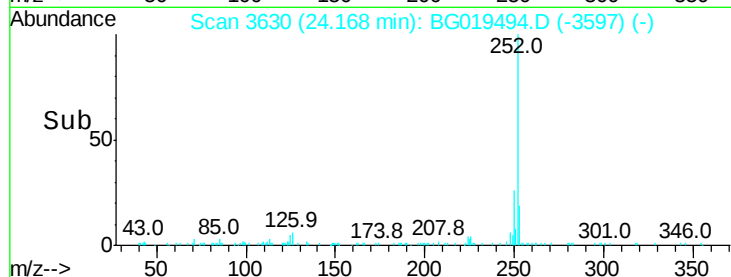
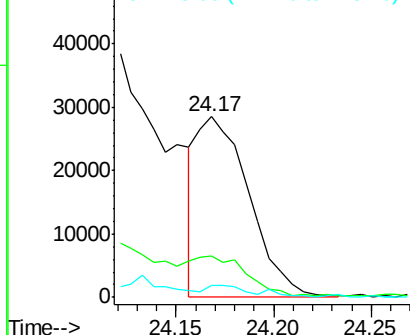
Tot Ion:	252	Resp:	52316
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.2	25.8
125	6.3	3.1	4.7#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Benzo(a)pyrene

Concen: 4.70 ng/ul

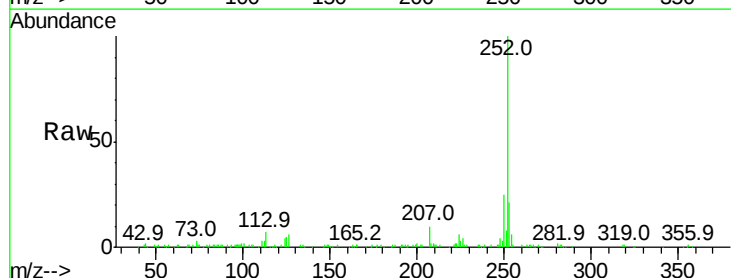
RT: 25.01 min Scan# 3774

Delta R.T. -0.00 min

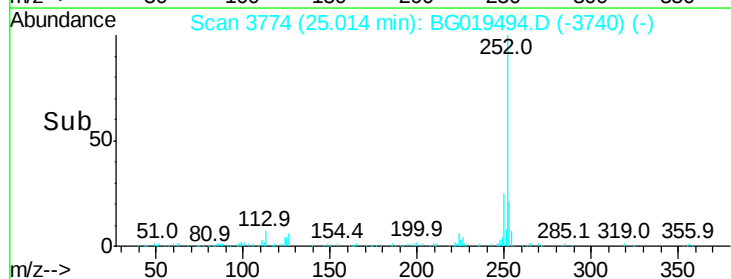
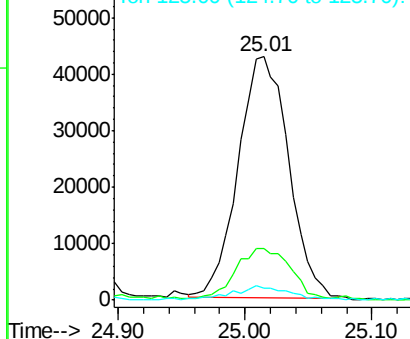
Lab File: BG019494.D

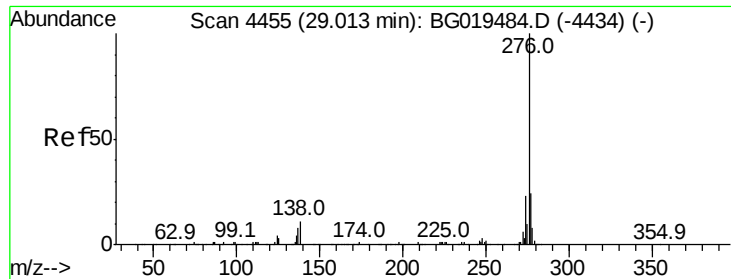
Acq: 5 Nov 2015 16:06

Tgt Ion:	252	Resp:	118487
Ion Ratio	Lower	Upper	
252	100		
253	21.4	16.0	24.0
125	5.1	3.3	4.9#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





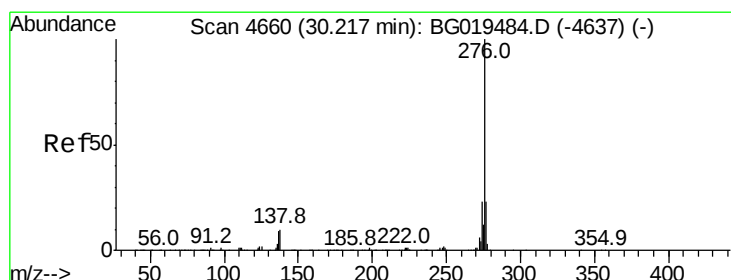
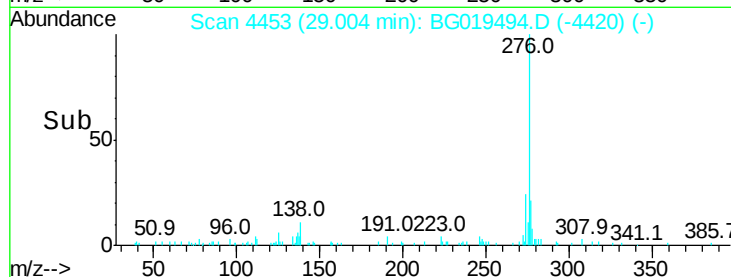
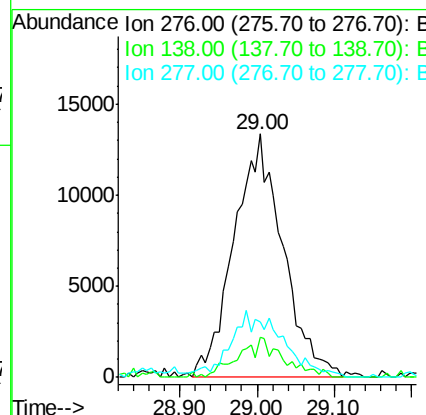
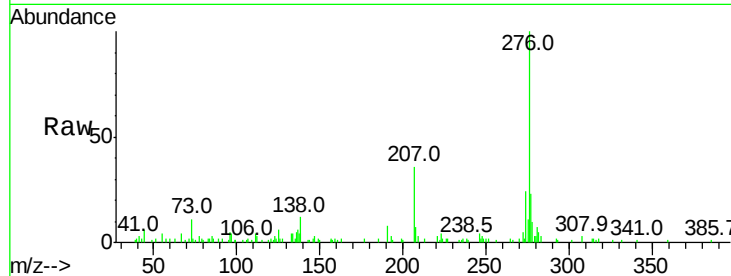
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 2.06 ng/ul m
 RT: 29.00 min Scan# 4453
 Delta R.T. -0.01 min
 Lab File: BG019494.D
 Acq: 5 Nov 2015 16:06

Instrument :
 BNA_G
 ClientSampleId :
 C0AP4

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.1	6.2	9.4#
277	22.8	17.9	26.9

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#94
 Benzo(g,h,i)perylene
 Concen: 2.01 ng/ul m
 RT: 30.20 min Scan# 4657
 Delta R.T. -0.01 min
 Lab File: BG019494.D
 Acq: 5 Nov 2015 16:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.5	5.6	8.4#
277	23.0	16.0	24.0

