

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
 Data File : BG019497.D
 Acq On : 5 Nov 2015 18:02
 Operator : UM/NP
 Sample : G4273-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AP7

Manual Integrations
 APPROVED

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 11/6/2015 3:43:49 PM

Quant Time: Nov 06 06:40:59 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	37870	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	157203	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.81	164	124939	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.55	188	347712	20.00	ng/ul	0.00
78) Chrysene-d12	21.83	240	459083	20.00	ng/ul	0.00
86) Perylene-d12	25.18	264	440023	20.00	ng/ul	0.00

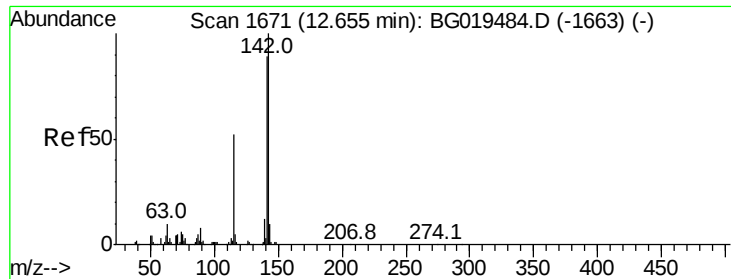
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	3352	4.24	ng/uL	0.00
5) Phenol-d5	7.33	99	64080	18.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	45293	20.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	40897	18.85	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	52951	19.12	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	22414	19.40	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	26912	19.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.62	165	54994	18.48	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	64464	21.42	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	204786	19.88	ng/ul	0.00
47) Acenaphthylene-d8	14.51	160	226315	19.84	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	29780	18.20	ng/ul	-0.01
58) Fluorene-d10	15.79	176	184725	19.38	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.91	200	38863	17.27	ng/ul	0.00
71) Anthracene-d10	17.64	188	326900	20.62	ng/ul	0.00
79) Pyrene-d10	19.92	212	410957	20.46	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.94	264	457221	20.71	ng/ul	0.00

Target Compounds

					Ovalue
34) 2-Methylnaphthalene	12.65	142	8557	1.35 ng/ul	94
35) 1-Methylnaphthalene	12.87	142	7297	1.22 ng/ul#	82
45) Dimethylphthalate	14.25	163	96692	9.18 ng/ul	100
50) Acenaphthene	14.87	153	39908	5.06 ng/ul	88
54) Dibenzofuran	15.21	168	35543	3.06 ng/ul	99
59) Fluorene	15.85	166	48346	4.77 ng/ul#	95
70) Phenanthrene	17.59	178	258062	14.71 ng/ul	95
72) Anthracene	17.68	178	97607	5.46 ng/ul	96
77) Fluoranthene	19.59	202	252478	11.11 ng/ul#	96
80) Pyrene	19.95	202	183034	7.10 ng/ul#	95
83) Benzo(a)anthracene	21.80	228	88493	3.31 ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.69	149	15354	1.29 ng/ul#	96
85) Chrysene	21.87	228	75024	2.99 ng/ul	97
88) Benzo(b)fluoranthene	24.11	252	70670	2.72 ng/ul#	95
89) Benzo(k)fluoranthene	24.17	252	28177m	1.13 ng/ul	
91) Benzo(a)pyrene	25.01	252	52990	2.13 ng/ul#	93

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



#34

2-Methylnaphthalene

Concen: 1.35 ng/ul

RT: 12.65 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BG019497.D

Acq: 5 Nov 2015 18:02

Instrument :

BNA_G

ClientSampleId :

C0AP7

Tot Ion:142 Resp: 8557

Ion Ratio Lower Upper

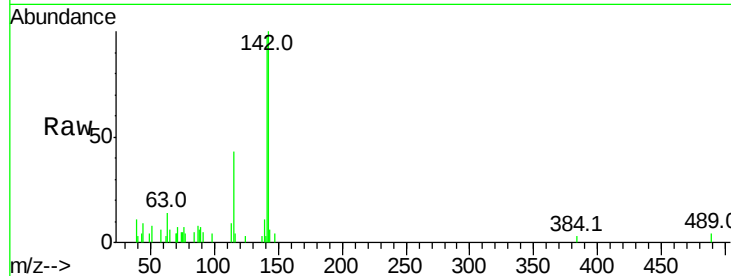
142 100

141 97.6 73.4 110.2

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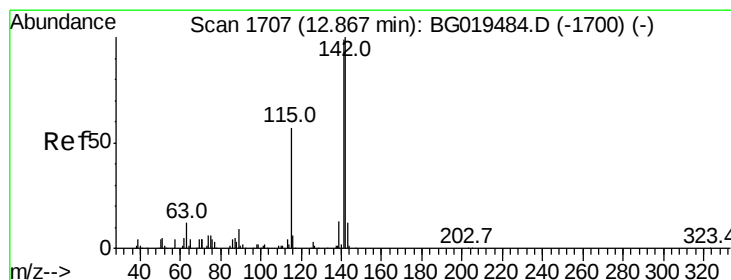
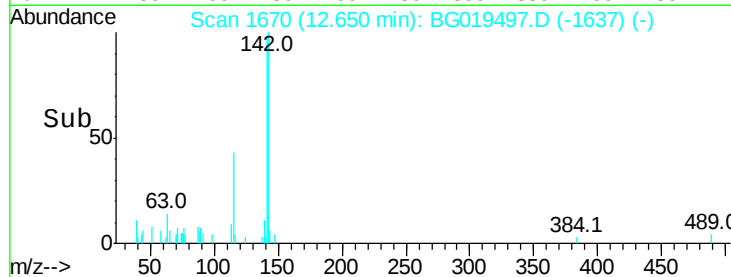
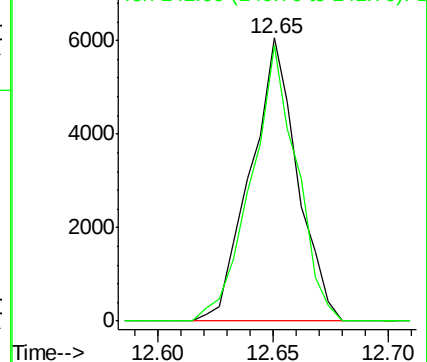
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 1.22 ng/ul

RT: 12.87 min Scan# 1707

Delta R.T. 0.00 min

Lab File: BG019497.D

Acq: 5 Nov 2015 18:02

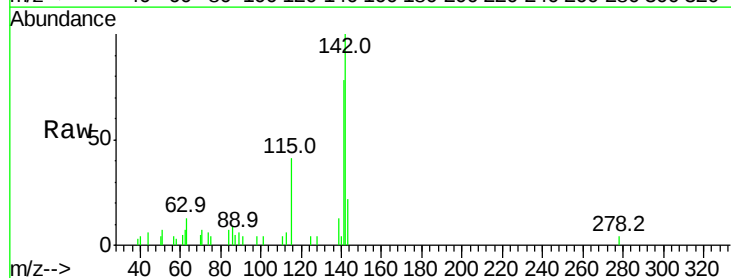
Tgt Ion:142 Resp: 7297

Ion Ratio Lower Upper

142 100

141 77.9 76.5 114.7

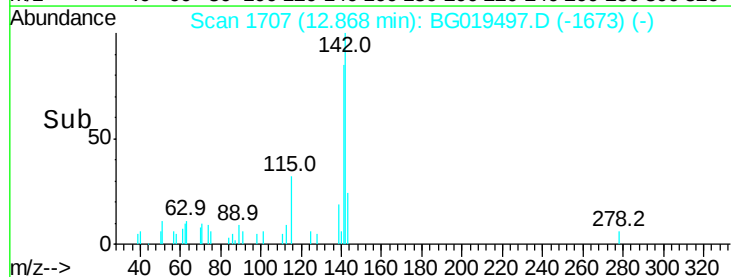
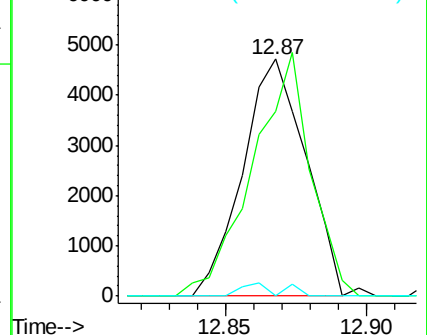
116 0.0 5.4 8.0#

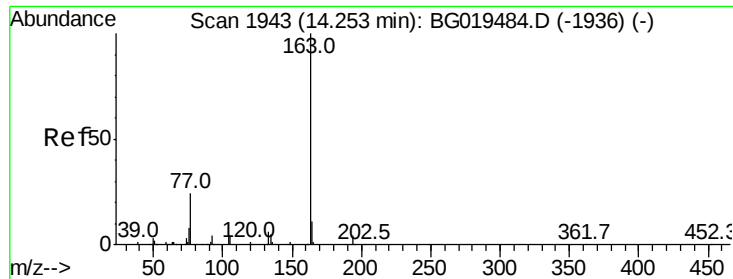


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





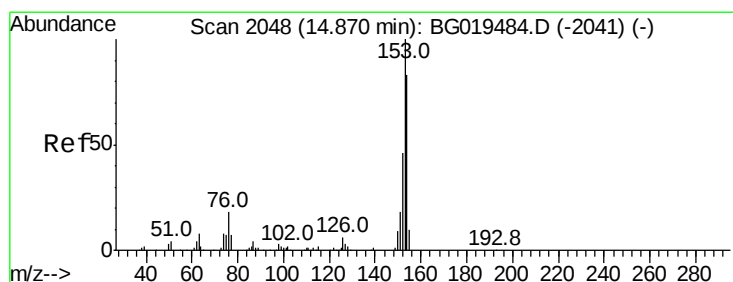
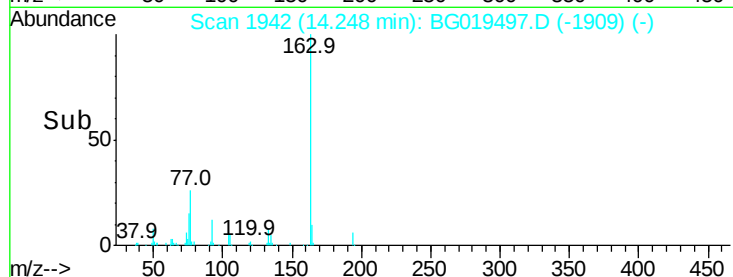
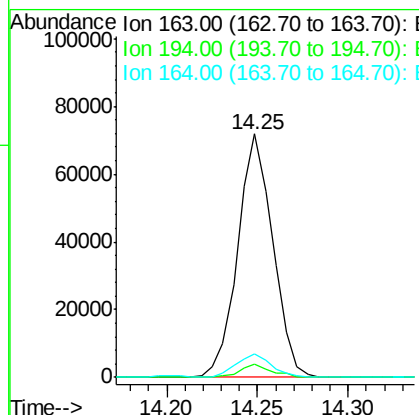
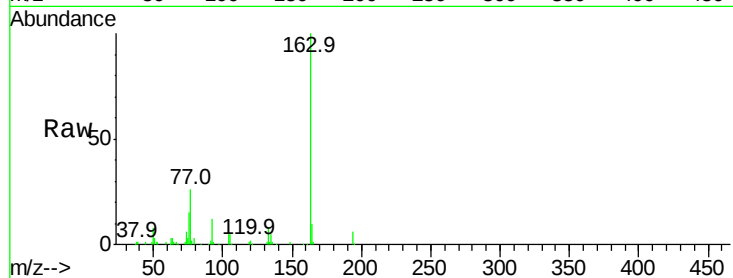
#45
Dimethylphthalate
Concen: 9.18 ng/ul
RT: 14.25 min Scan# 1942
Delta R.T. -0.00 min
Lab File: BG019497.D
Acq: 5 Nov 2015 18:02

Instrument :
BNA_G
ClientSampleId :
C0AP7

Tot Ion	Ratio	Resp	Lower	Upper
163	100	96692		
194	5.6		4.3	6.5
164	9.5		7.5	11.3

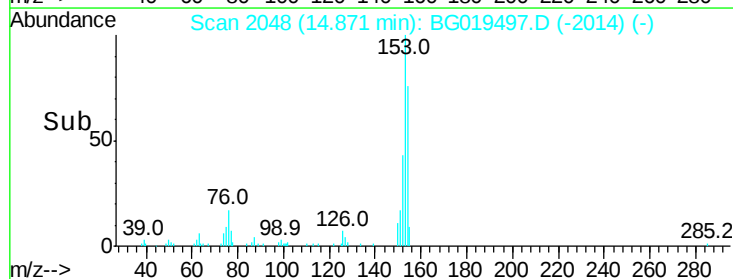
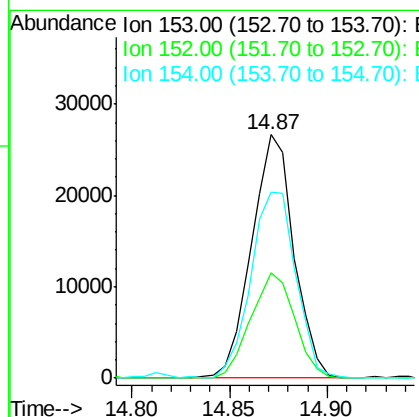
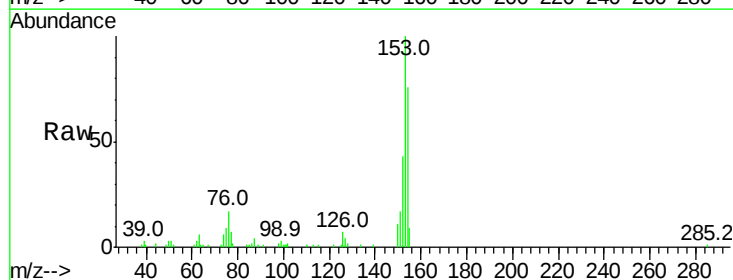
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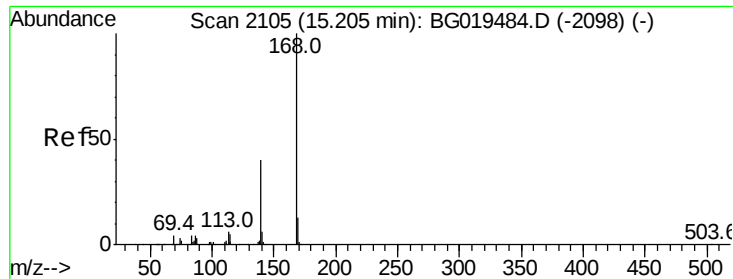
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#50
Acenaphthene
Concen: 5.06 ng/ul
RT: 14.87 min Scan# 2048
Delta R.T. 0.00 min
Lab File: BG019497.D
Acq: 5 Nov 2015 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	39908		
152	43.2		38.8	58.2
154	76.4		71.5	107.3





#54

Dibenzofuran

Concen: 3.06 ng/ul

RT: 15.21 min Scan# 2105

Delta R.T. 0.00 min

Lab File: BG019497.D

Acq: 5 Nov 2015 18:02

Instrument :

BNA_G

ClientSampleId :

C0AP7

Tot Ion:168 Resp: 35543

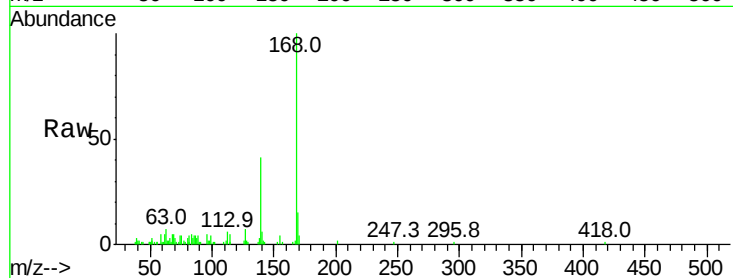
Ion Ratio Lower Upper

168 100

139 40.9 32.4 48.6

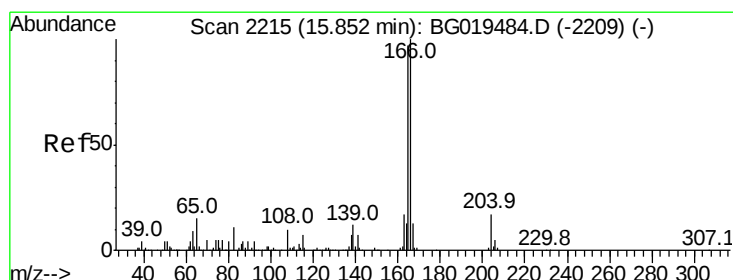
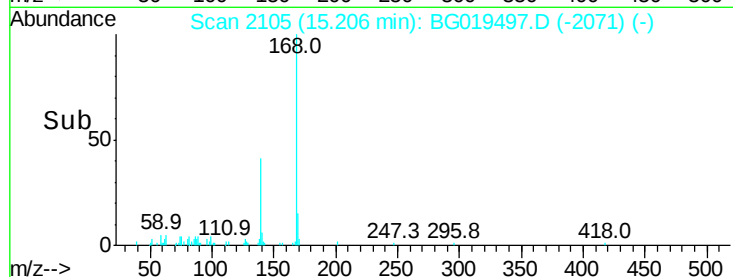
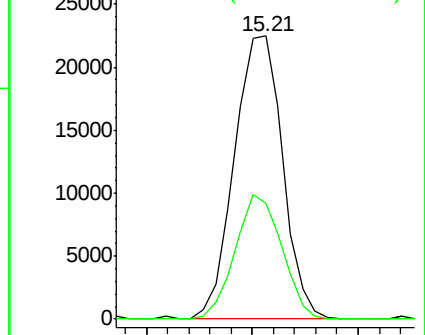
Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 4.77 ng/ul

RT: 15.85 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BG019497.D

Acq: 5 Nov 2015 18:02

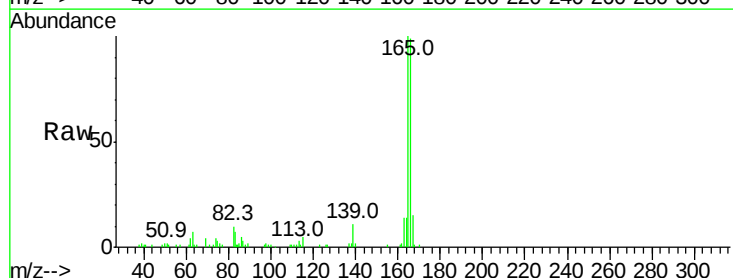
Tgt Ion:166 Resp: 48346

Ion Ratio Lower Upper

166 100

165 101.4 77.6 116.4

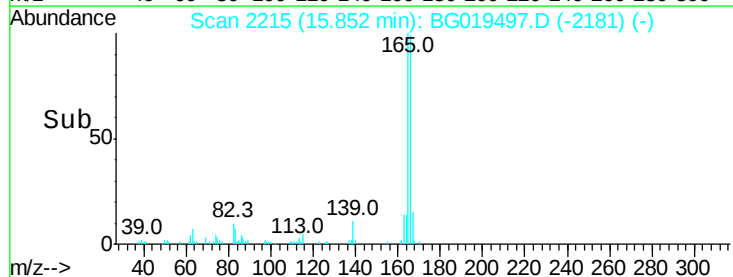
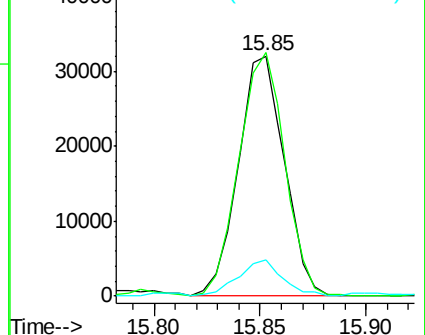
167 15.2 9.6 14.4#

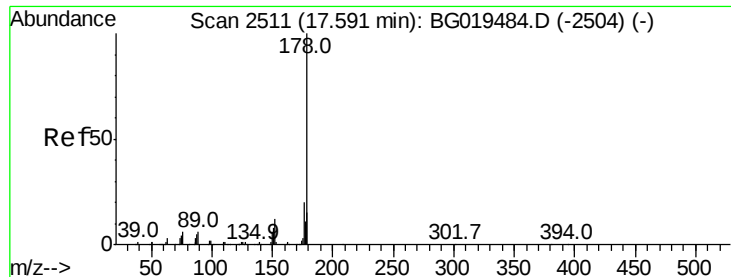


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 14.71 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. 0.00 min

Lab File: BG019497.D

Acq: 5 Nov 2015 18:02

Instrument :

BNA_G

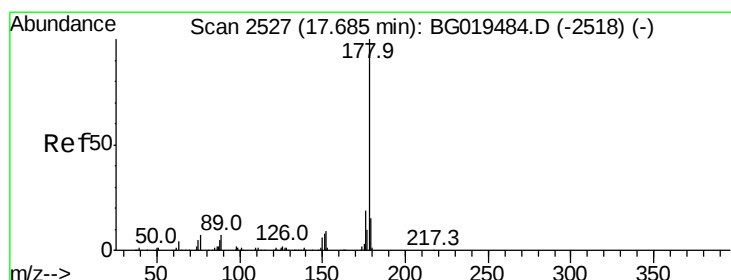
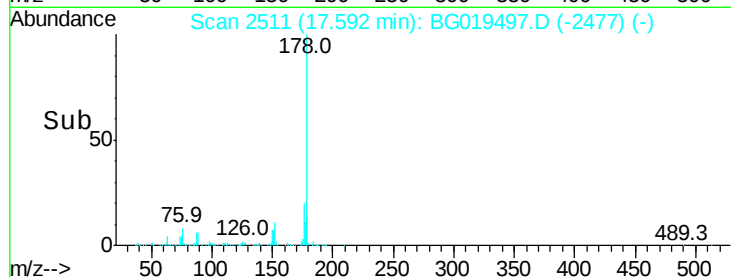
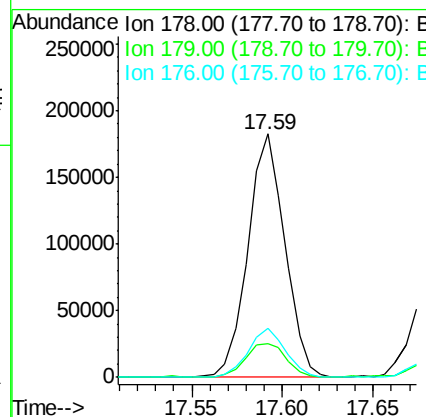
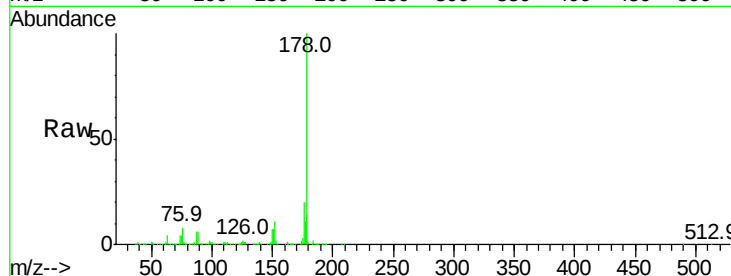
ClientSampleId :

C0AP7

Tot Ion:	178	Resp:	258062
Ion Ratio	Lower	Upper	
178	100		
179	14.0	12.6	18.8
176	20.4	14.3	21.5

Manual Integrations
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#72

Anthracene

Concen: 5.46 ng/ul

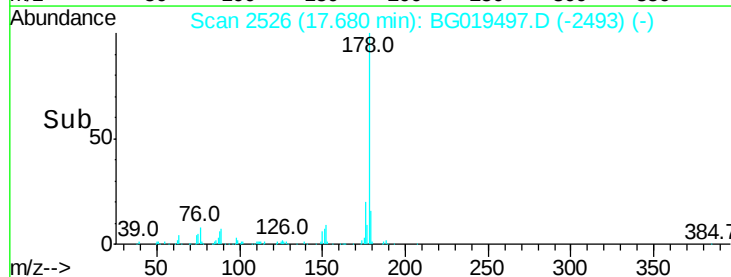
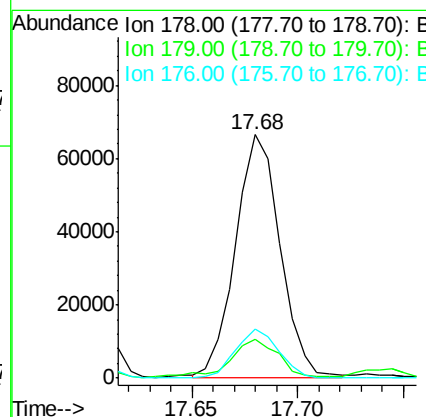
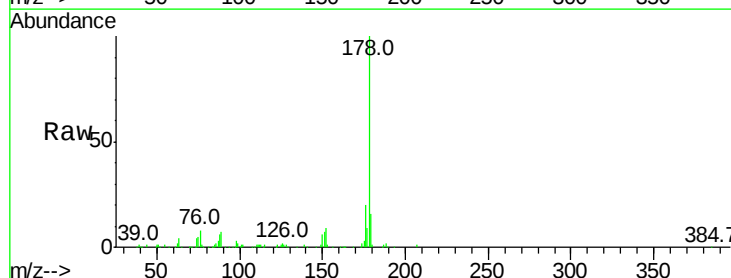
RT: 17.68 min Scan# 2526

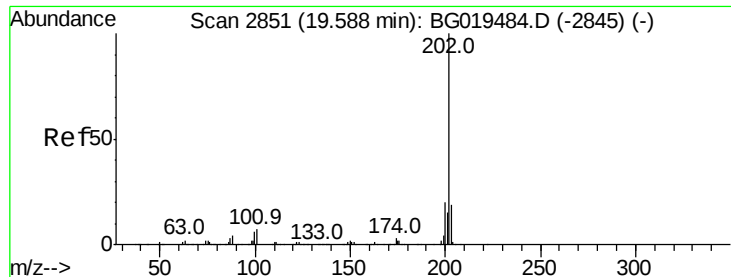
Delta R.T. -0.00 min

Lab File: BG019497.D

Acq: 5 Nov 2015 18:02

Tgt Ion:	178	Resp:	97607
Ion Ratio	Lower	Upper	
178	100		
179	15.7	11.6	17.4
176	20.0	14.2	21.4





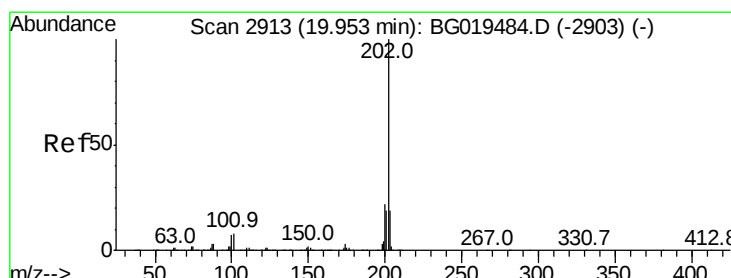
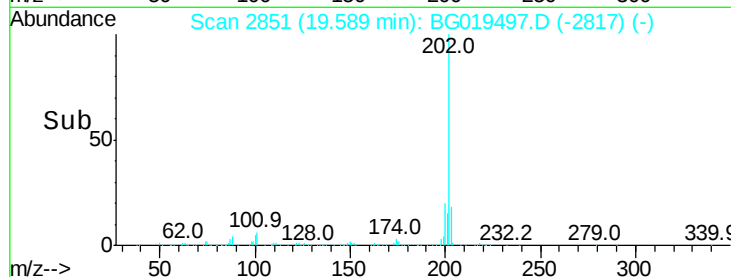
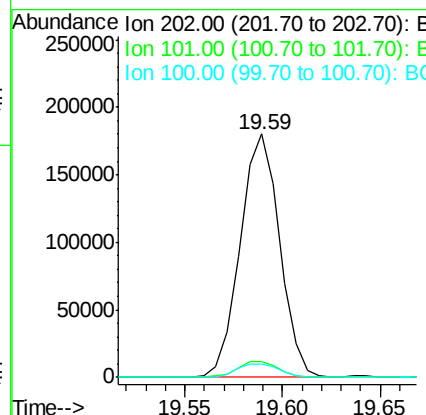
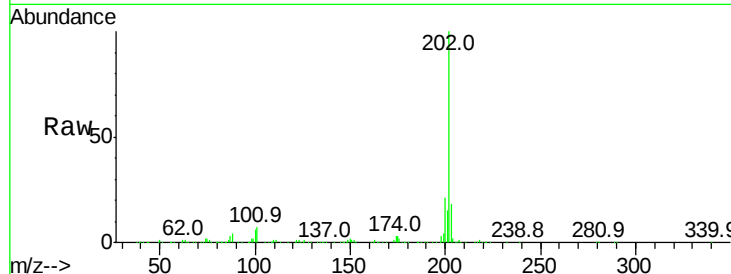
#77
 Fluoranthene
 Concen: 11.11 ng/ul
 RT: 19.59 min Scan# 2851
 Delta R.T. 0.00 min
 Lab File: BG019497.D
 Acq: 5 Nov 2015 18:02

Instrument :
 BNA_G
 ClientSampleId :
 C0AP7

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	6.6	4.0	6.0#
100	5.5	3.6	5.4#

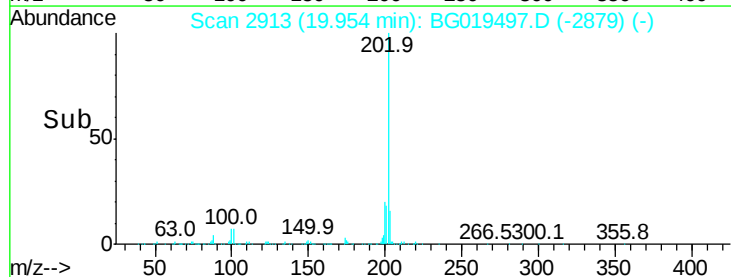
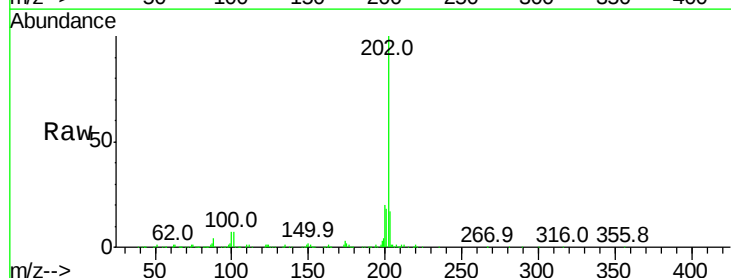
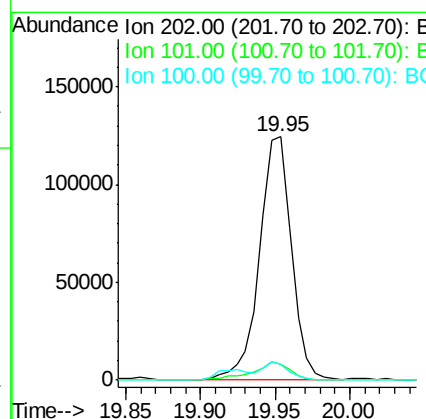
Manual Integrations
 APPROVED

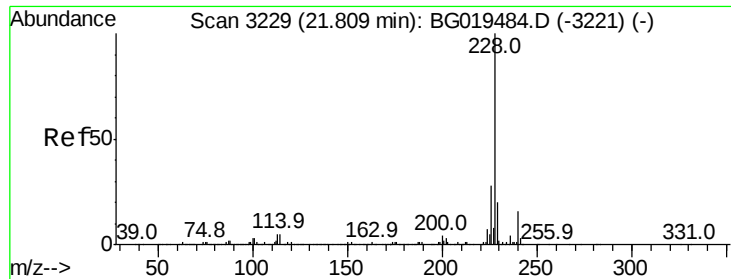
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#80
 Pyrene
 Concen: 7.10 ng/ul
 RT: 19.95 min Scan# 2913
 Delta R.T. 0.00 min
 Lab File: BG019497.D
 Acq: 5 Nov 2015 18:02

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	6.6	4.3	6.5#
100	6.6	3.6	5.4#





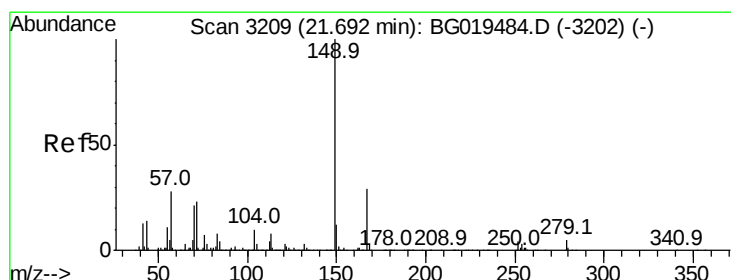
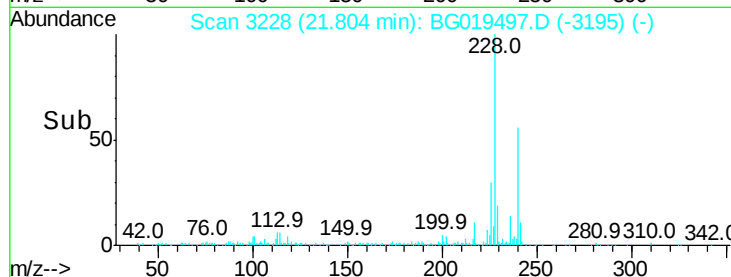
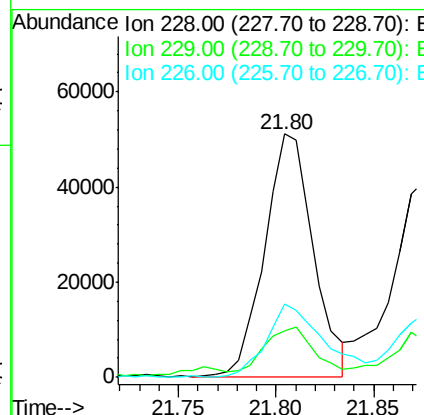
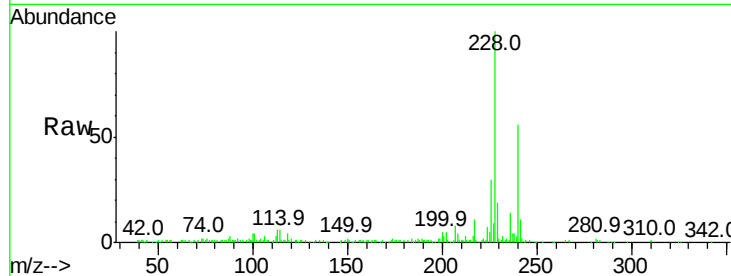
#83
Benzo(a)anthracene
Concen: 3.31 ng/ul
RT: 21.80 min Scan# 3228
Delta R.T. -0.00 min
Lab File: BG019497.D
Acq: 5 Nov 2015 18:02

Instrument :
BNA_G
ClientSampleId :
C0AP7

Tot Ion:	228	Resp:	88493
Ion Ratio	Lower	Upper	
228	100		
229	19.3	15.8	23.8
226	30.3	21.8	32.6

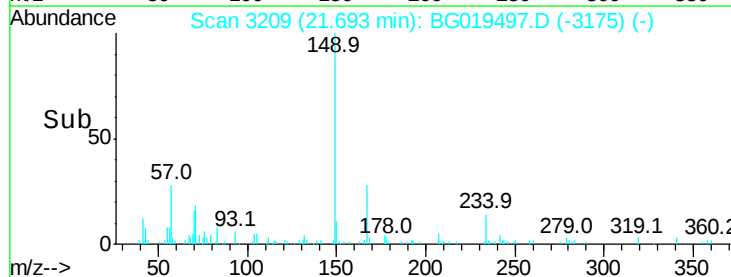
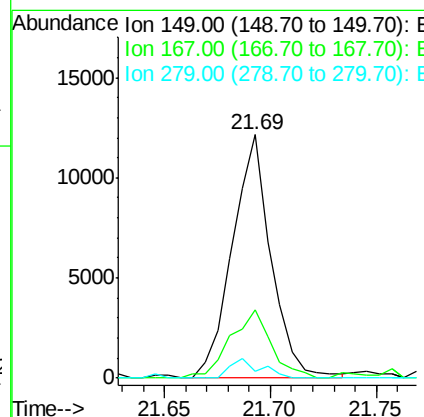
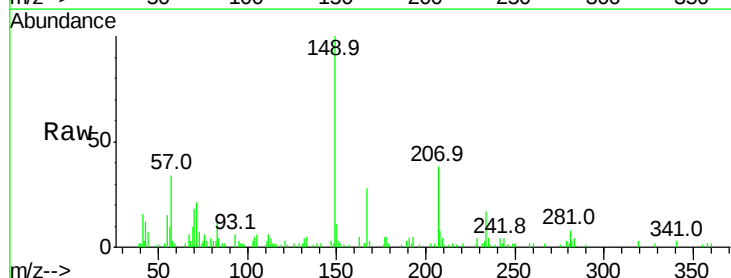
Manual Integrations
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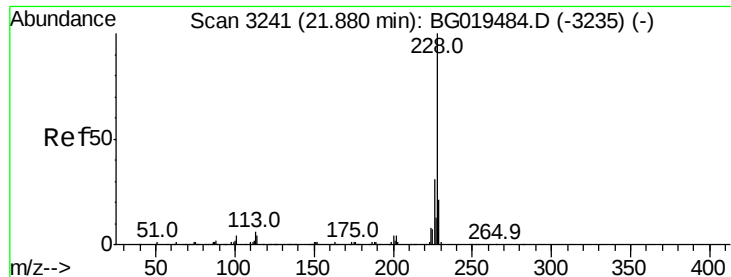
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11/6/2015 3:43:49 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 1.29 ng/ul
RT: 21.69 min Scan# 3209
Delta R.T. 0.00 min
Lab File: BG019497.D
Acq: 5 Nov 2015 18:02

Tgt Ion:	149	Resp:	15354
Ion Ratio	Lower	Upper	
149	100		
167	27.8	23.2	34.8
279	3.0	5.0	7.4#





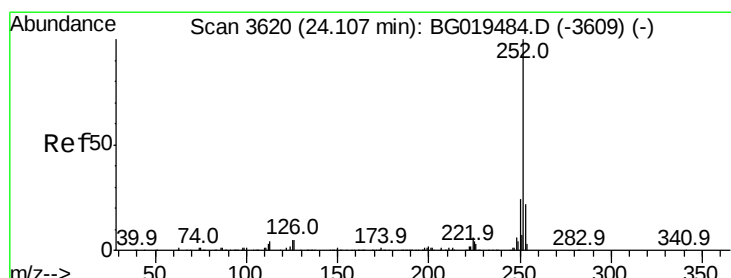
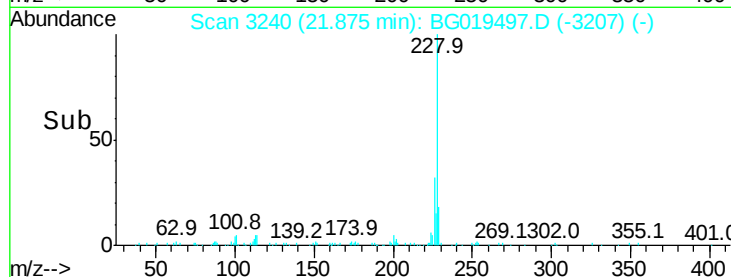
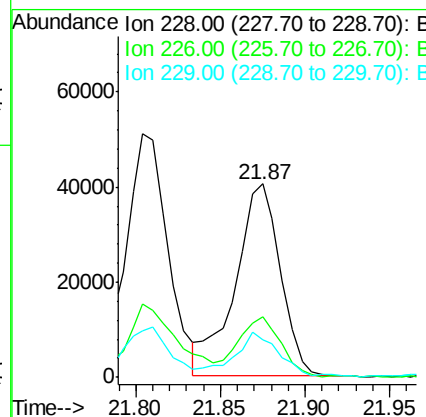
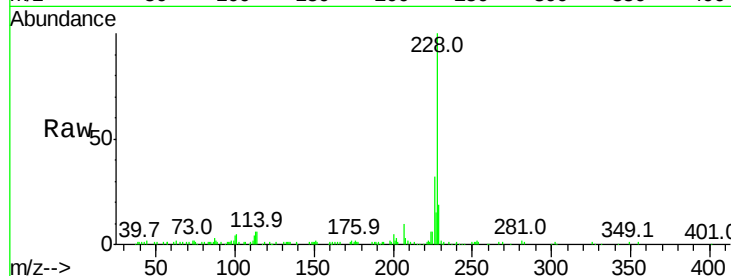
#85
Chrysene
Concen: 2.99 ng/ul
RT: 21.87 min Scan# 3240
Delta R.T. -0.00 min
Lab File: BG019497.D
Acq: 5 Nov 2015 18:02

Instrument :
BNA_G
ClientSampleId :
C0AP7

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.6	36.8
229	19.1	17.3	25.9

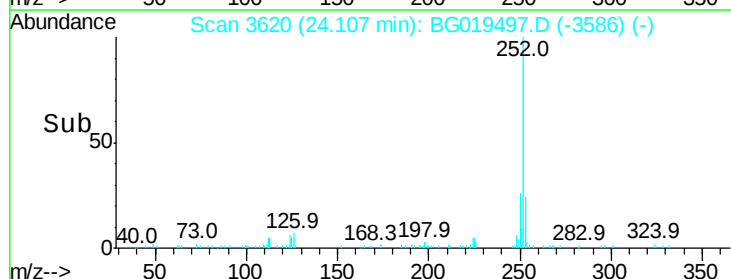
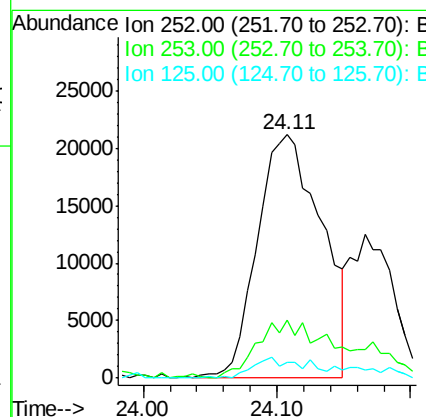
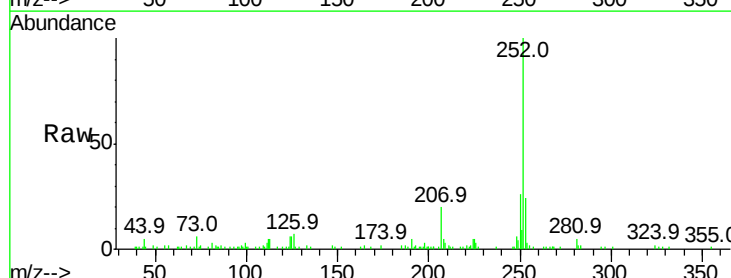
Manual Integrations
APPROVED

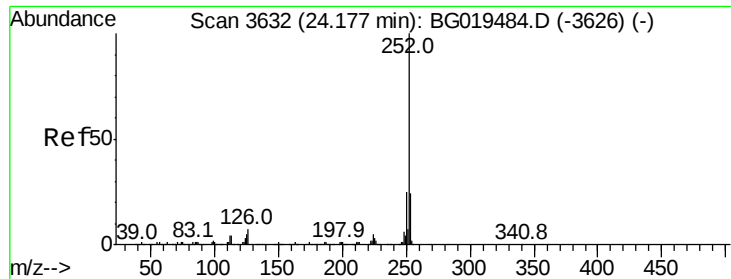
Mmdadoda
11/6/2015 3:43:49 PM



#88
Benzo(b)fluoranthene
Concen: 2.72 ng/ul
RT: 24.11 min Scan# 3620
Delta R.T. 0.00 min
Lab File: BG019497.D
Acq: 5 Nov 2015 18:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	6.3	2.5	3.7





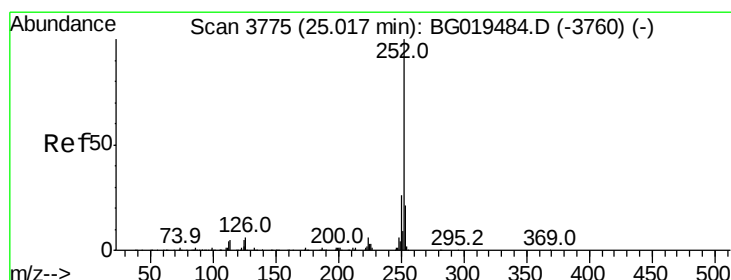
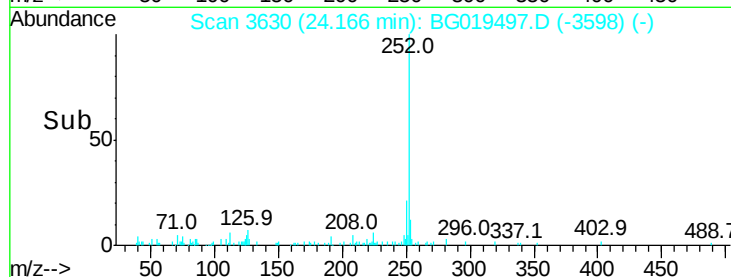
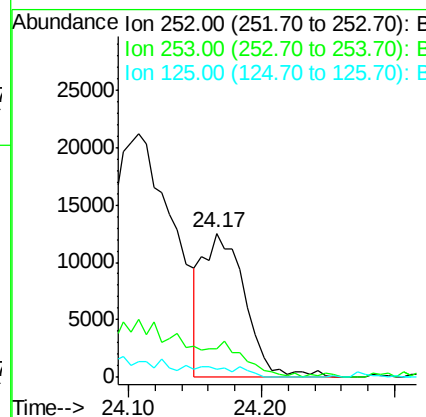
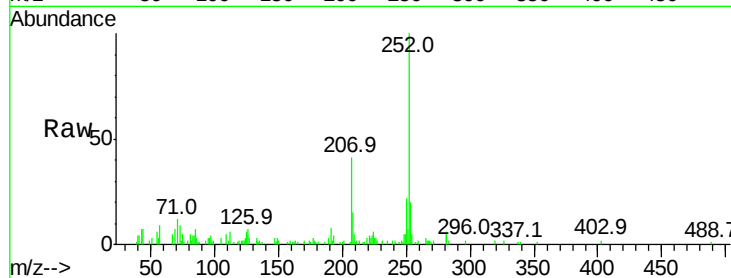
#89
Benzo(k)fluoranthene
Concen: 1.13 ng/ul m
RT: 24.17 min Scan# 3630
Delta R.T. -0.01 min
Lab File: BG019497.D
Acq: 5 Nov 2015 18:02

Instrument :
BNA_G
ClientSampleId :
C0AP7

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.0	17.2	25.8
125	5.8	3.1	4.7#

Manual Integrations
APPROVED

Mmdadoda
11/6/2015 3:43:49 PM



#91
Benzo(a)pyrene
Concen: 2.13 ng/ul
RT: 25.01 min Scan# 3774
Delta R.T. -0.00 min
Lab File: BG019497.D
Acq: 5 Nov 2015 18:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.0	24.0
125	5.0	3.3	4.9#

