

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
 Data File : BG019234.D
 Acq On : 16 Oct 2015 21:59
 Operator : UM/NP
 Sample : G3996-14
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5LK1

Manual Integrations
 APPROVED

MMdadoda
 10/19/2015 6:29:32 PM

Quant Time: Oct 19 15:43:02 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 19 00:27:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	27218	20.00	ng/ul	0.00
18) Naphthalene-d8	10.81	136	106256	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.66	164	63134	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.44	188	159633	20.00	ng/ul	0.06
78) Chrysene-d12	21.74	240	170555	20.00	ng/ul	0.09
86) Perylene-d12	25.05	264	160084m	20.00	ng/ul	0.20

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1312	2.68	ng/uL	0.00
5) Phenol-d5	7.19	99	34372	14.47	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.33	67	23326	15.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	27842	16.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	27656	13.74	ng/ul	0.02
19) Nitrobenzene-d5	9.17	128	14223	17.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.89	143	16363	18.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	26665	15.50	ng/ul	0.02
29) 4-Chloroaniline-d4	10.97	131	44045m	19.87	ng/ul	0.03
44) Dimethylphthalate-d6	14.10	166	92354m	16.73	ng/ul	0.06
47) Acenaphthylene-d8	14.36	160	90693	15.19	ng/ul	0.03
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.66	176	186306	39.48	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.54	188	142898	18.95	ng/ul	0.06
79) Pyrene-d10	19.84	212	167767	21.69	ng/ul	0.07
90) Benzo(a)pyrene-d12	24.82	264	128832m	15.93	ng/ul	0.19

Target Compounds

					Ovalue	
14) Acetophenone	8.82	105	12728	3.75	ng/ul#	66
24) 2,4-Dimethylphenol	10.04	107	396823m	177.42	ng/ul	
28) Naphthalene	10.87	128	202464	36.45	ng/ul	99
34) 2-Methylnaphthalene	12.48	142	235552	53.50	ng/ul	99
35) 1-Methylnaphthalene	12.70	142	216551	50.23	ng/ul#	98
41) 1,1'-Biphenyl	13.49	154	138022	28.00	ng/ul	96
50) Acenaphthene	14.72	153	92858	21.07	ng/ul#	89
54) Dibenzofuran	15.07	168	612307	98.29	ng/ul#	78
59) Fluorene	15.73	166	519194	97.38	ng/ul#	94
70) Phenanthrene	17.49	178	1957307	219.59	ng/ul#	84
72) Anthracene	17.58	178	413251	45.63	ng/ul#	83
77) Fluoranthene	19.50	202	898511	80.53	ng/ul#	94
80) Pyrene	19.87	202	1006018	99.38	ng/ul#	93
83) Benzo(a)anthracene	21.71	228	245632	25.50	ng/ul#	77
85) Chrysene	21.78	228	283631	31.13	ng/ul#	79
91) Benzo(a)pyrene	24.90	252	98669m	11.30	ng/ul	

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

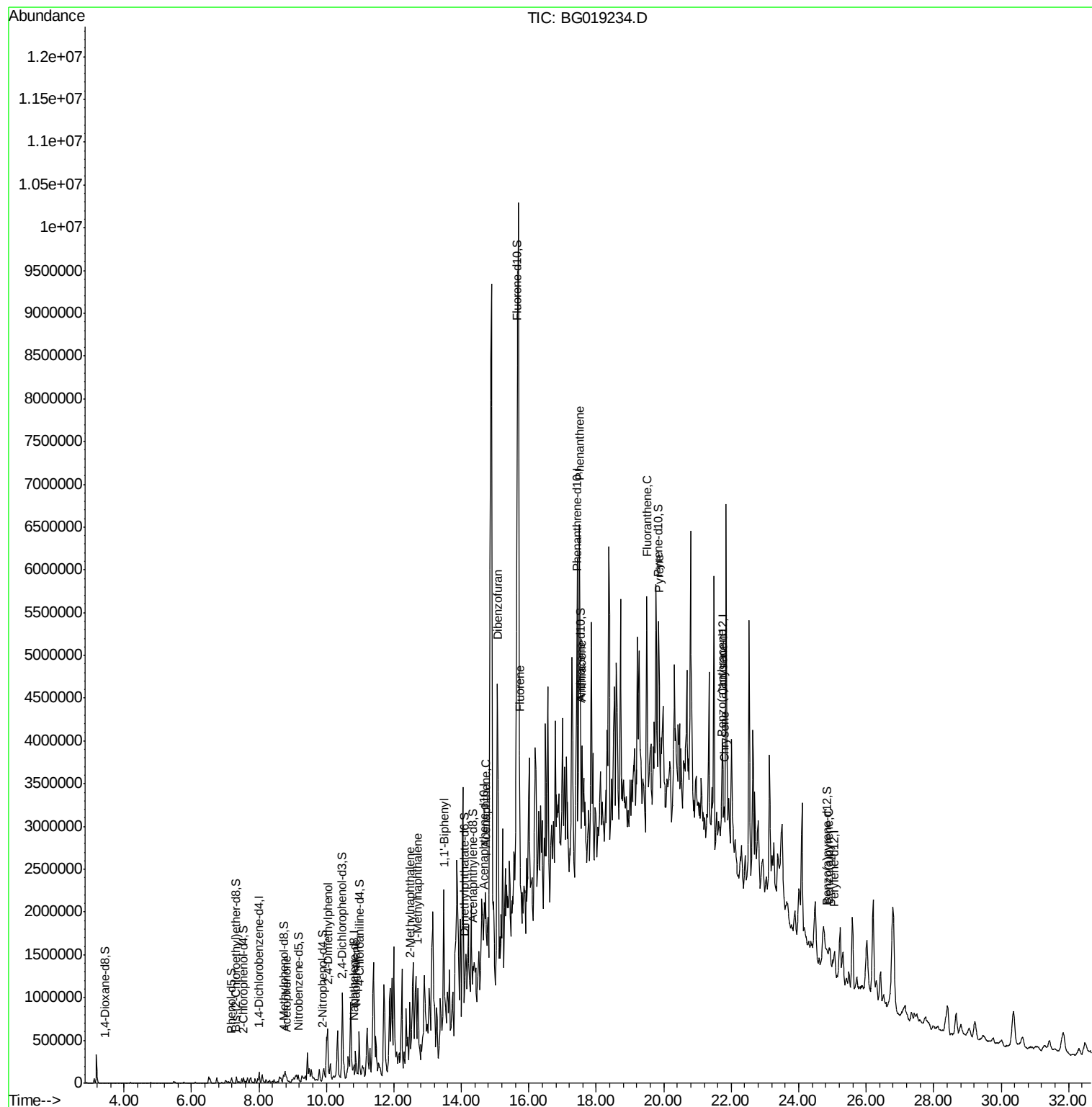
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019234.D
Acq On : 16 Oct 2015 21:59
Operator : UM/NP
Sample : G3996-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

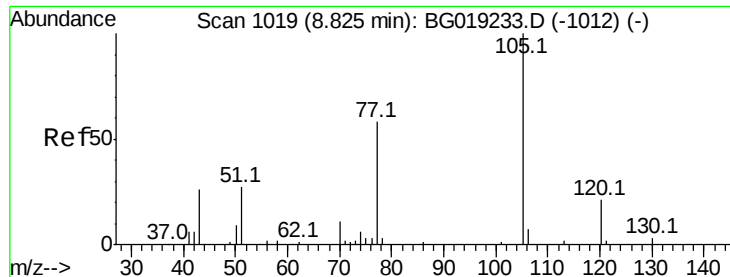
Instrument :
BNA_G
ClientSampleId :
E5LK1

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Quant Time: Oct 19 15:43:02 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 19 00:27:28 2015
Response via : Initial Calibration





#14

Acetophenone

Concen: 3.75 ng/ul

RT: 8.82 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BG019234.D

Acq: 16 Oct 2015 21:59

Instrument :

BNA_G

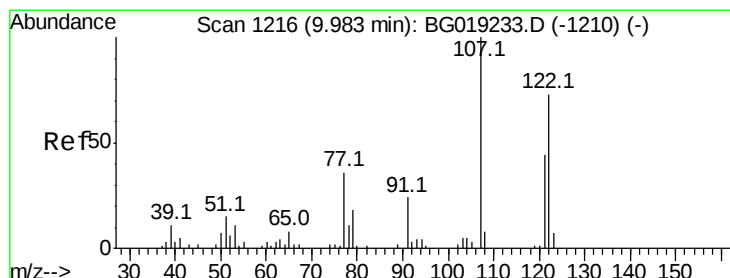
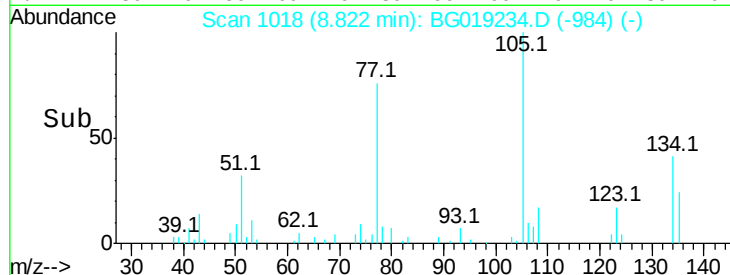
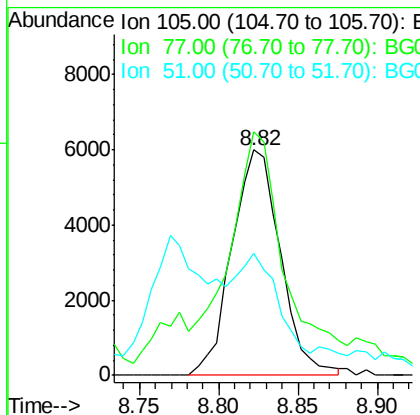
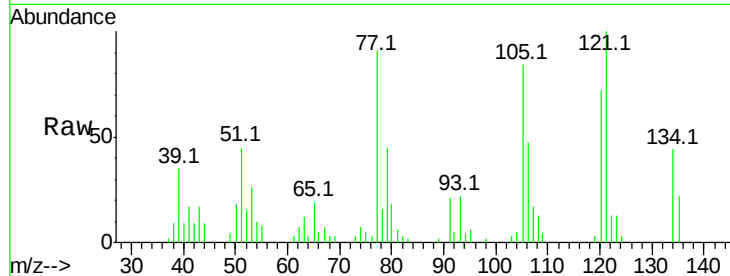
ClientSampleId :

E5LK1

Tot Ion:	105	Resp:	12728
Ion Ratio	Lower	Upper	
105	100		
77	108.2	63.8	95.6#
51	54.1	26.1	39.1#

Manual Integrations
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#24

2,4-Dimethylphenol

Concen: 177.42 ng/ul m

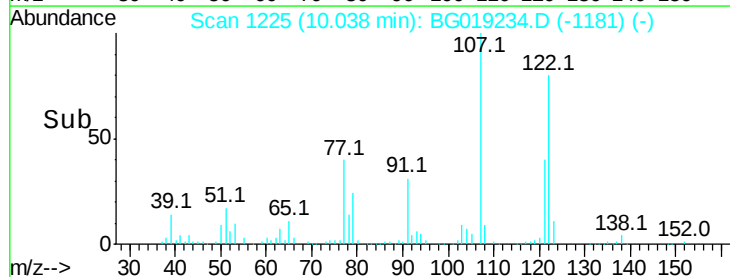
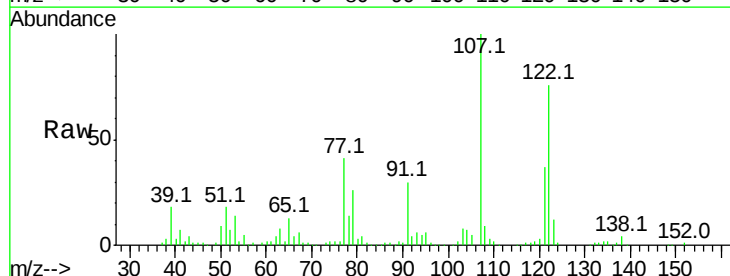
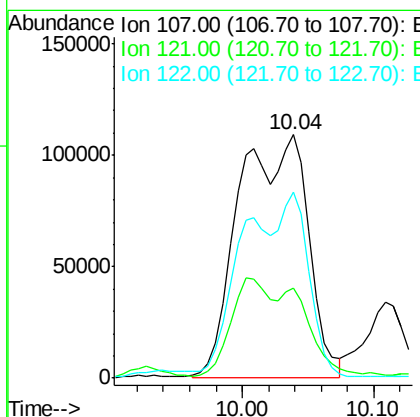
RT: 10.04 min Scan# 1225

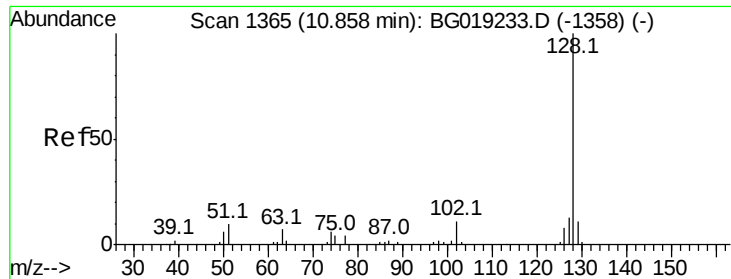
Delta R.T. 0.06 min

Lab File: BG019234.D

Acq: 16 Oct 2015 21:59

Tgt Ion:	107	Resp:	396823
Ion Ratio	Lower	Upper	
107	100		
121	36.7	37.2	55.8#
122	76.4	67.6	101.4





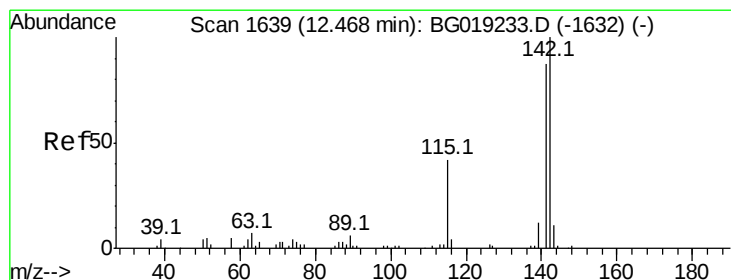
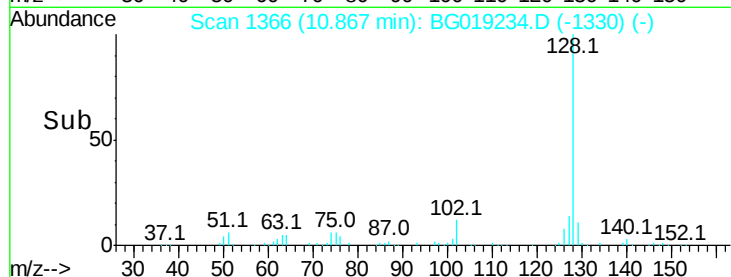
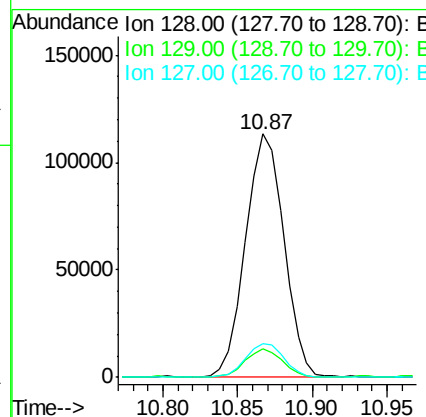
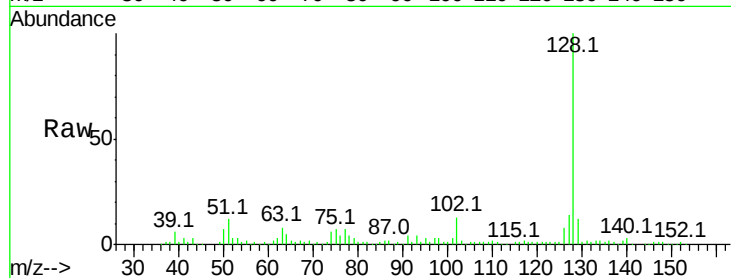
#28
Naphthalene
Concen: 36.45 ng/ul
RT: 10.87 min Scan# 1366
Delta R.T. 0.01 min
Lab File: BG019234.D
Acq: 16 Oct 2015 21:59

Instrument :
BNA_G
ClientSampled :
E5LK1

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.6	14.4
127	13.6	11.3	16.9

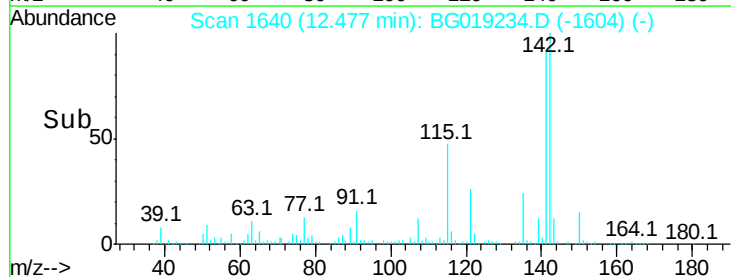
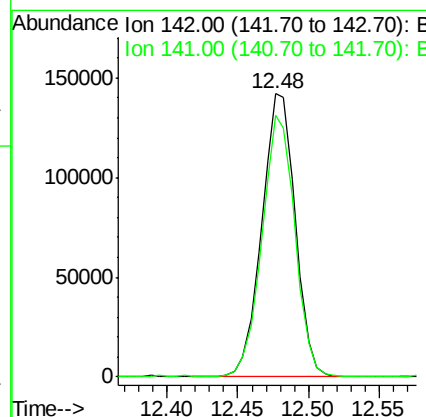
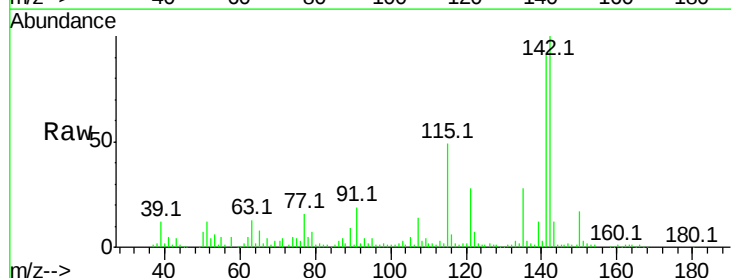
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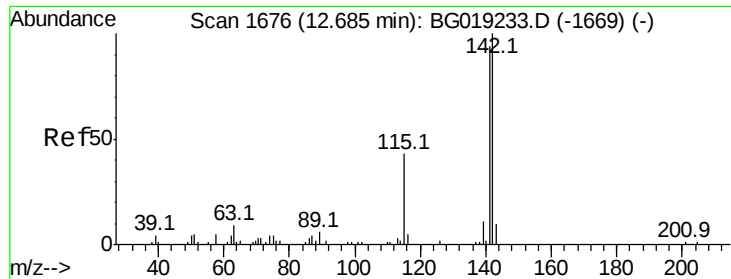
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#34
2-Methylnaphthalene
Concen: 53.50 ng/ul
RT: 12.48 min Scan# 1640
Delta R.T. 0.01 min
Lab File: BG019234.D
Acq: 16 Oct 2015 21:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.4	110.0





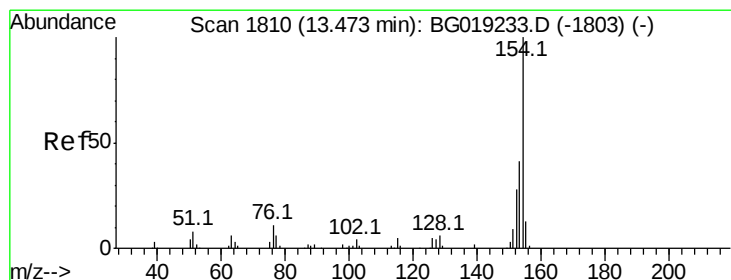
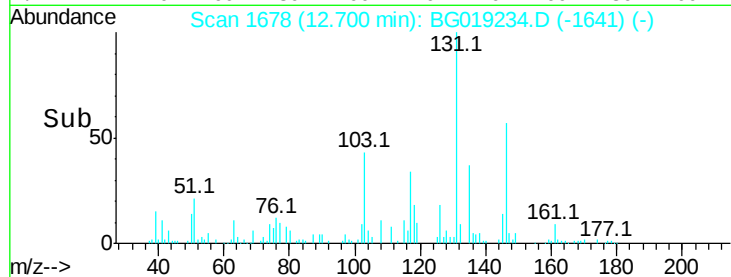
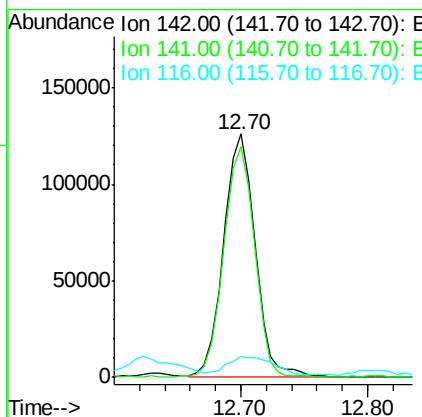
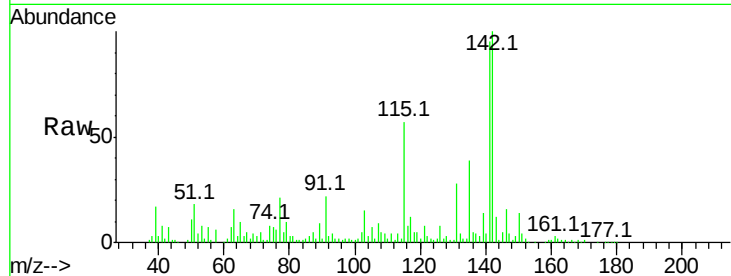
#35
 1-Methylnaphthalene
 Concen: 50.23 ng/ul
 RT: 12.70 min Scan# 1678
 Delta R.T. 0.01 min
 Lab File: BG019234.D
 Acq: 16 Oct 2015 21:59

Instrument :
 BNA_G
 ClientSampleId :
 E5LK1

Tot Ion	Ratio	Resp Lower	Upper
142	100		
141	94.8	74.8	112.2
116	8.4	3.2	4.8#

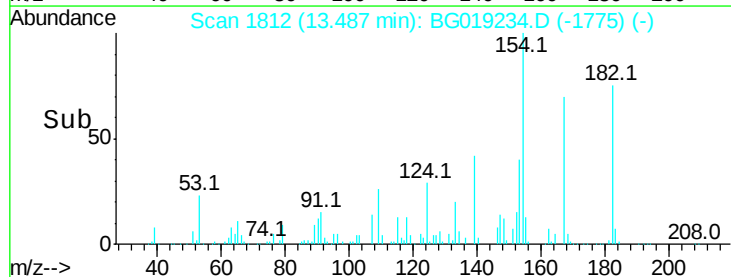
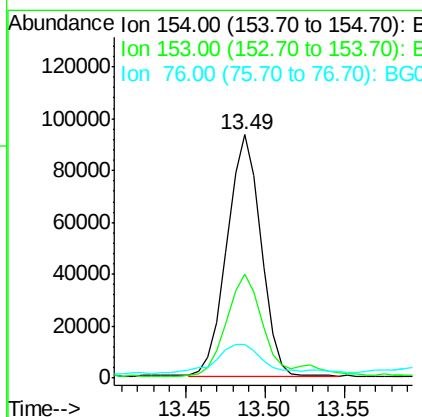
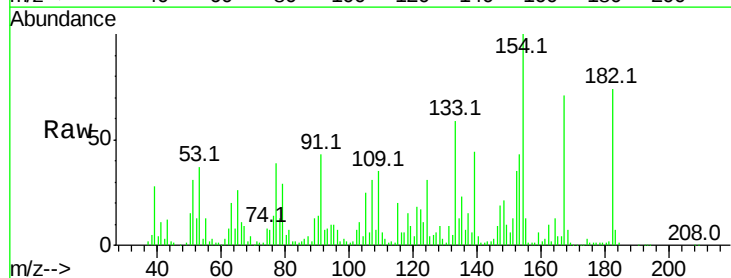
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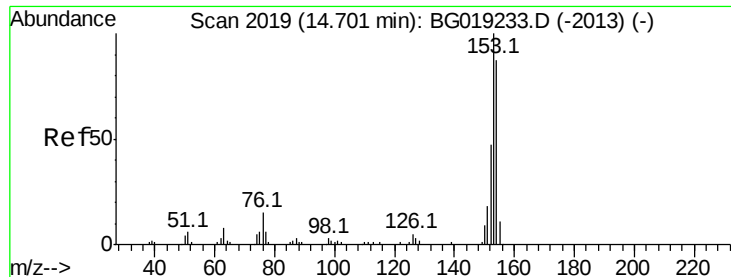
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#41
 1,1'-Biphenyl
 Concen: 28.00 ng/ul
 RT: 13.49 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: BG019234.D
 Acq: 16 Oct 2015 21:59

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	42.6	31.4	47.0
76	13.8	10.8	16.2





#50

Acenaphthene

Concen: 21.07 ng/ul

RT: 14.72 min Scan# 2022

Delta R.T. 0.02 min

Lab File: BG019234.D

Acq: 16 Oct 2015 21:59

Instrument :

BNA_G

ClientSampled :

E5LK1

Tot Ion:153 Resp: 92858

Ion Ratio Lower Upper

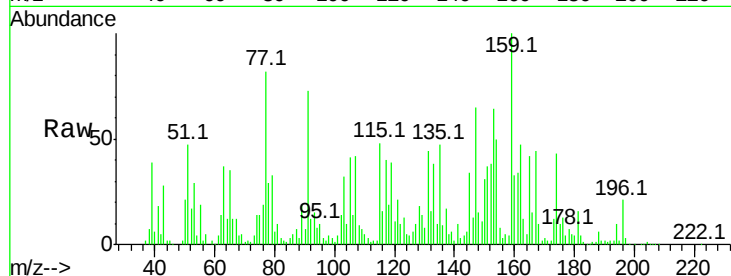
153 100

152 59.1 36.2 54.2#

154 79.4 67.5 101.3

Manual Integrations
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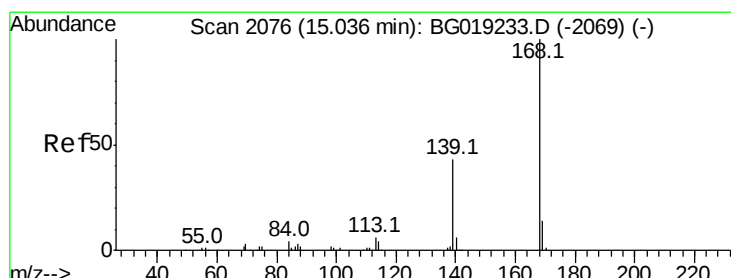
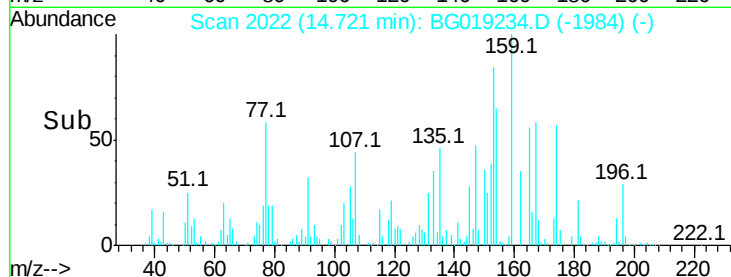
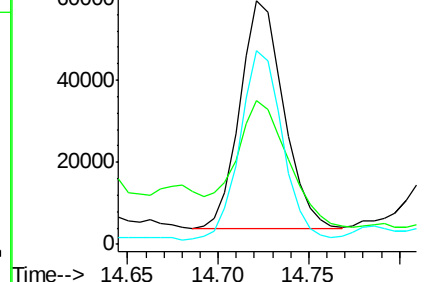
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 98.29 ng/ul

RT: 15.07 min Scan# 2081

Delta R.T. 0.03 min

Lab File: BG019234.D

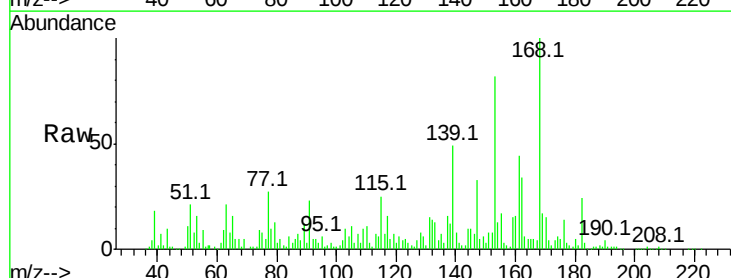
Acq: 16 Oct 2015 21:59

Tgt Ion:168 Resp: 612307

Ion Ratio Lower Upper

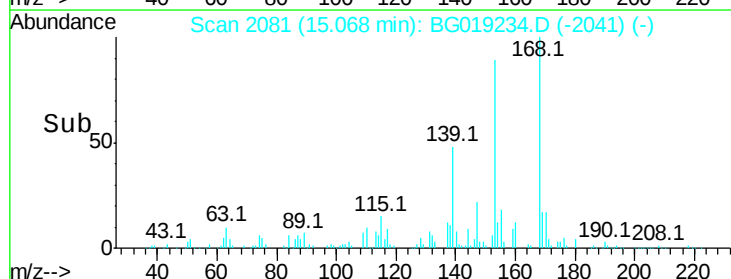
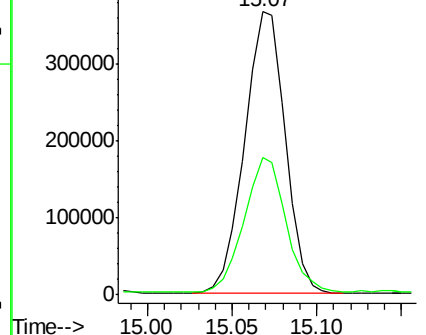
168 100

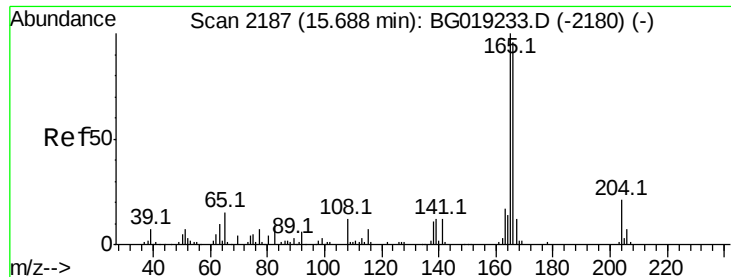
139 48.6 28.5 42.7#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 97.38 ng/ul

RT: 15.73 min Scan# 2193

Delta R.T. 0.04 min

Lab File: BG019234.D

Acq: 16 Oct 2015 21:59

Instrument :

BNA_G

ClientSampleId :

E5LK1

Tot Ion:166 Resp: 519194

Ion Ratio Lower Upper

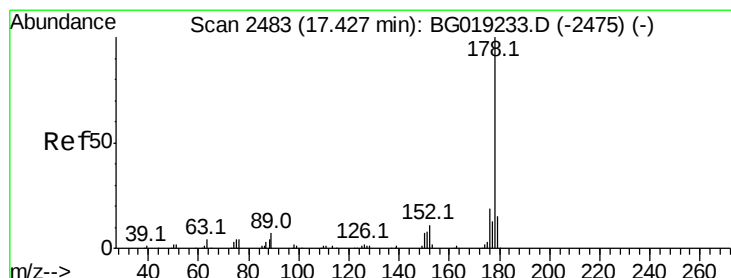
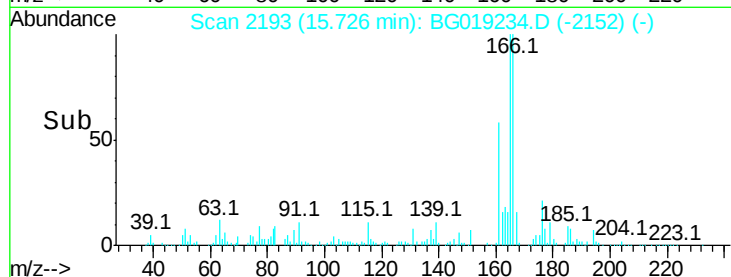
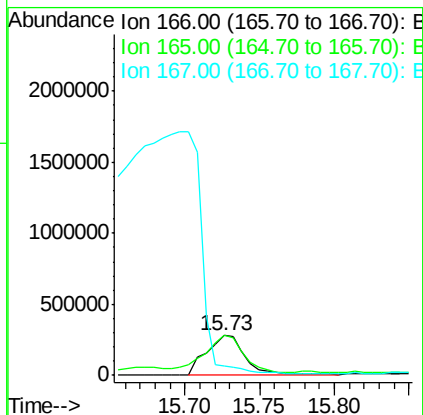
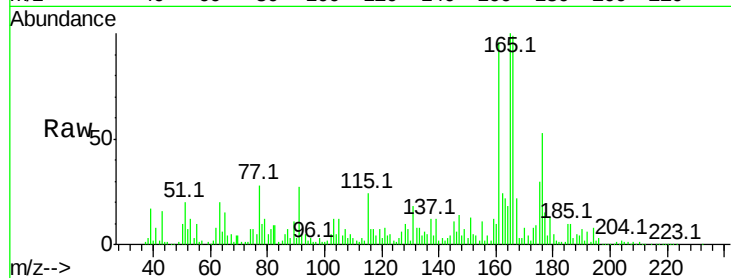
166 100

165 101.1 77.7 116.5

167 22.5 10.4 15.6#

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#70

Phenanthrene

Concen: 219.59 ng/ul

RT: 17.49 min Scan# 2494

Delta R.T. 0.07 min

Lab File: BG019234.D

Acq: 16 Oct 2015 21:59

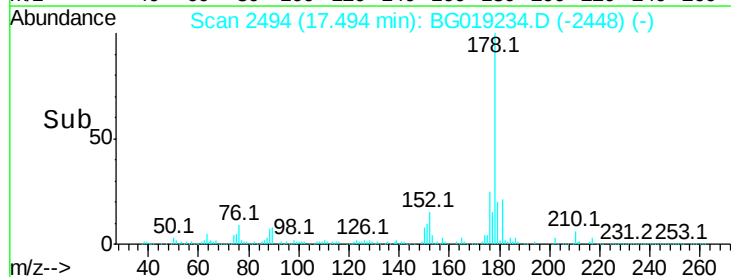
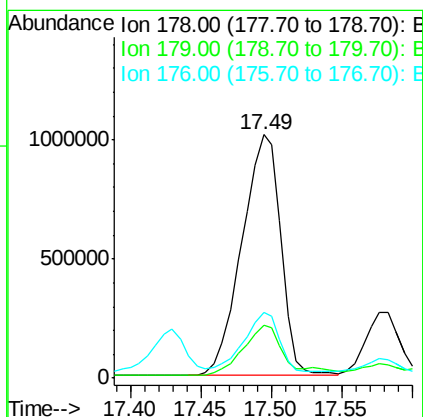
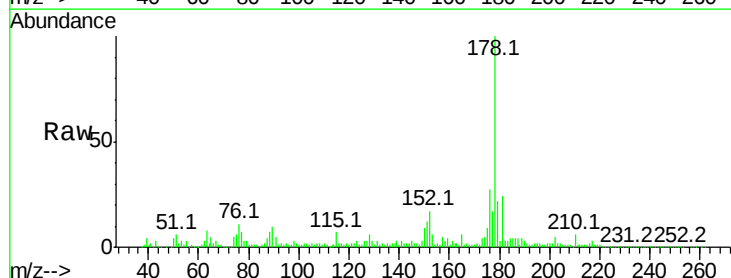
Tgt Ion:178 Resp: 1957307

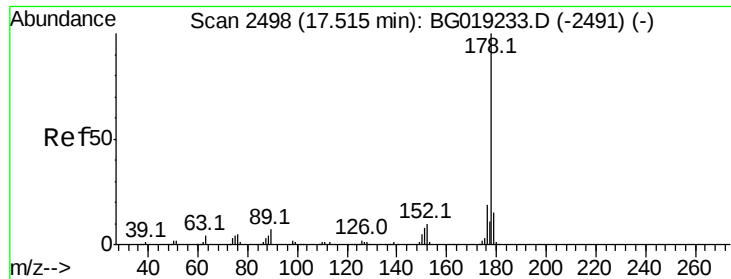
Ion Ratio Lower Upper

178 100

179 21.6 12.5 18.7#

176 27.0 15.4 23.0#





#72

Anthracene

Concen: 45.63 ng/ul

RT: 17.58 min Scan# 2509

Delta R.T. 0.07 min

Lab File: BG019234.D

Acq: 16 Oct 2015 21:59

Instrument :

BNA_G

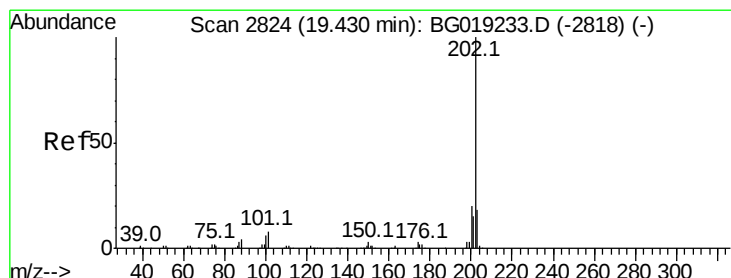
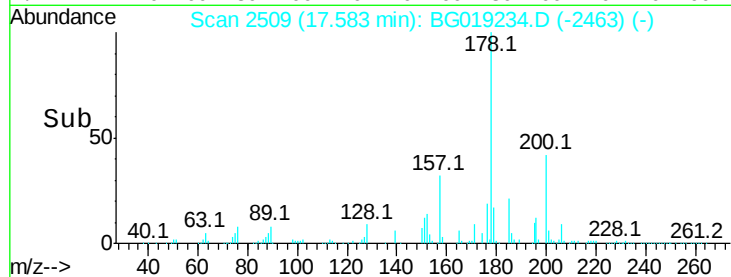
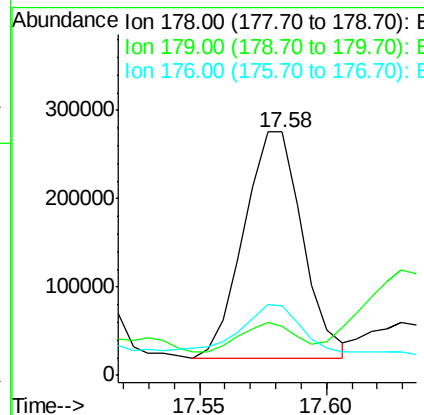
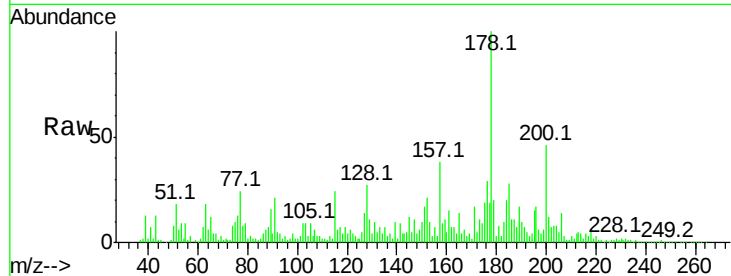
ClientSampleId :

E5LK1

Tot Ion:	178	Resp:	413251
Ion Ratio	Lower	Upper	
178	100		
179	20.2	12.2	18.4#
176	28.6	15.0	22.6#

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#77

Fluoranthene

Concen: 80.53 ng/ul

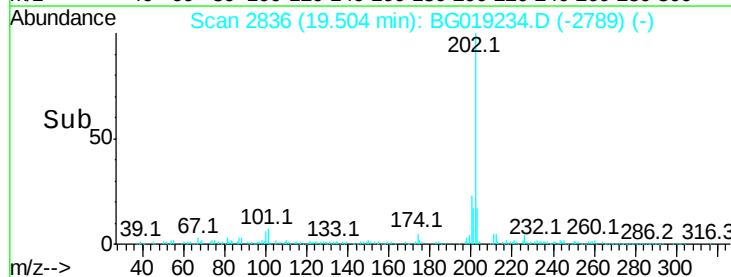
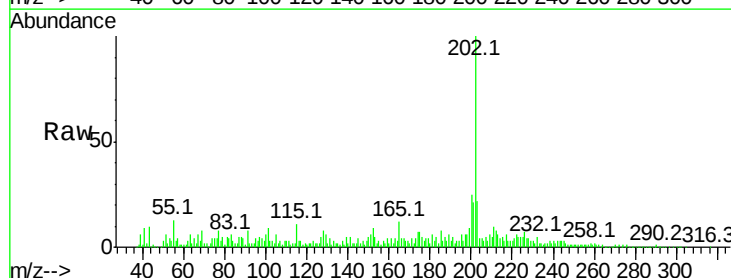
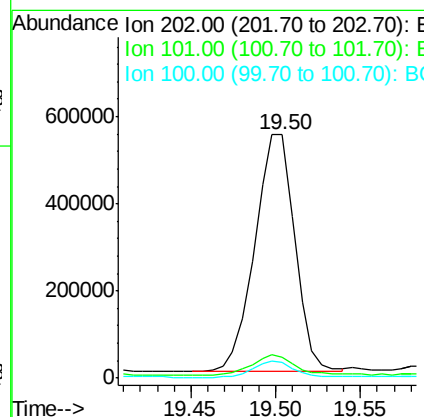
RT: 19.50 min Scan# 2836

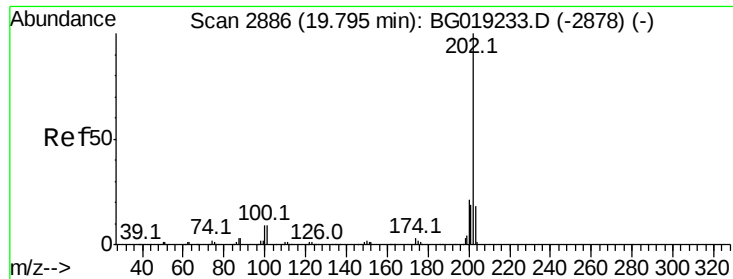
Delta R.T. 0.07 min

Lab File: BG019234.D

Acq: 16 Oct 2015 21:59

Tgt Ion:	202	Resp:	898511
Ion Ratio	Lower	Upper	
202	100		
101	8.7	9.0	13.4#
100	6.4	6.9	10.3#





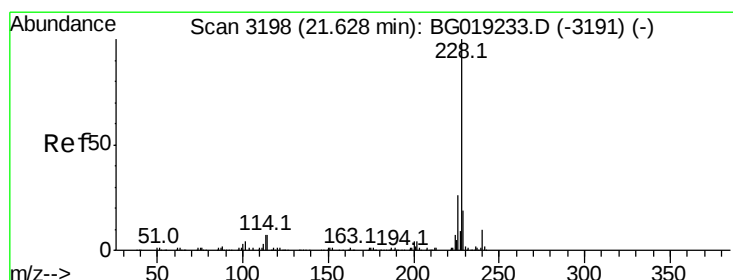
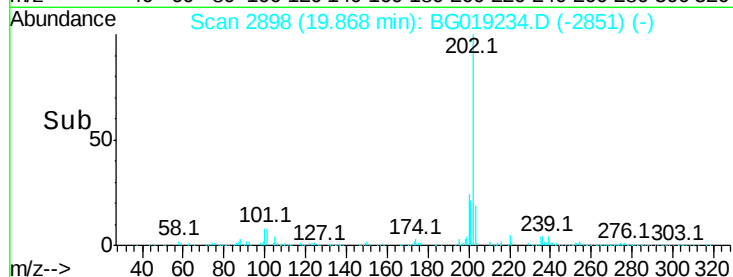
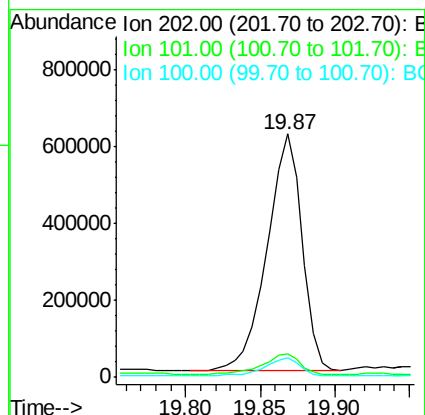
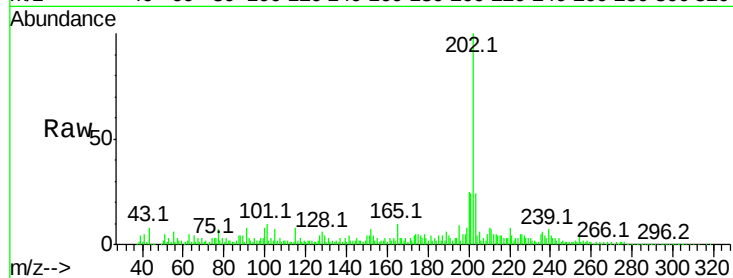
#80
Pvrene
Concen: 99.38 ng/ul
RT: 19.87 min Scan# 2898
Delta R.T. 0.07 min
Lab File: BG019234.D
Acq: 16 Oct 2015 21:59

Instrument :
BNA_G
ClientSampleId :
E5LK1

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.9	10.2	15.2#
100	8.2	8.5	12.7#

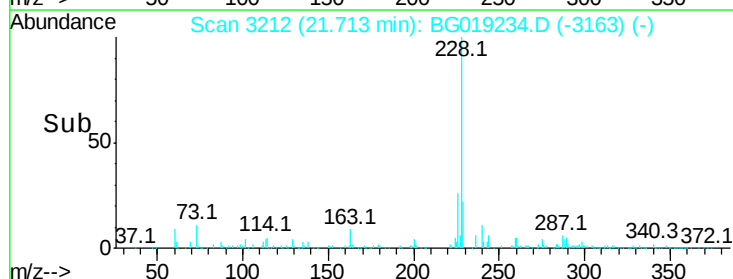
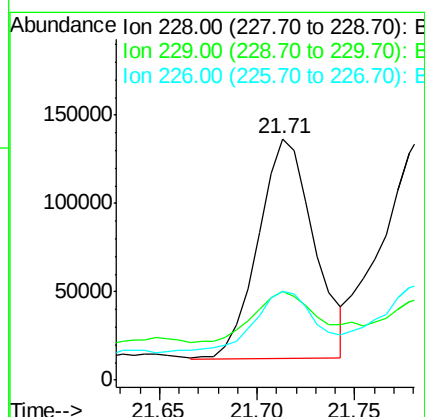
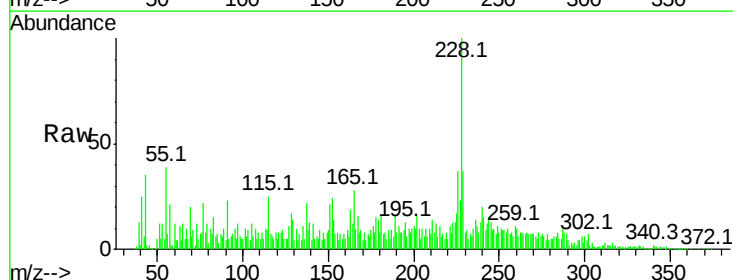
Manual Integrations
APPROVED

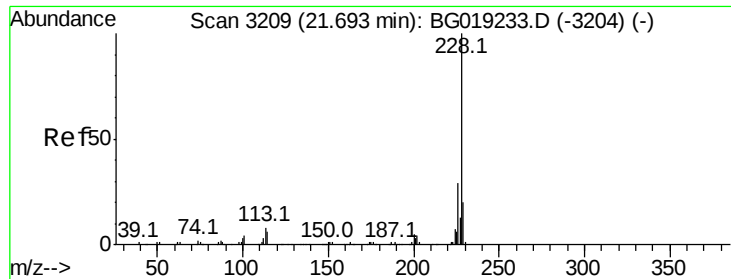
MMdadoda
10/19/2015 6:29:32 PM



#83
Benzo(a)anthracene
Concen: 25.50 ng/ul
RT: 21.71 min Scan# 3212
Delta R.T. 0.09 min
Lab File: BG019234.D
Acq: 16 Oct 2015 21:59

Tgt Ion	Ratio	Lower	Upper
228	100		
229	36.8	16.6	24.8#
226	36.6	22.8	34.2#





#85

Chrysene

Concen: 31.13 ng/ul

RT: 21.78 min Scan# 3224

Delta R.T. 0.09 min

Lab File: BG019234.D

Acq: 16 Oct 2015 21:59

Instrument :

BNA_G

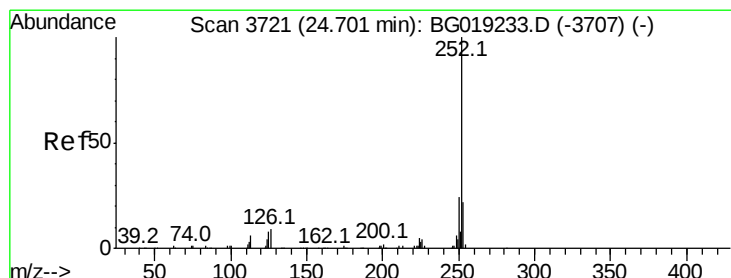
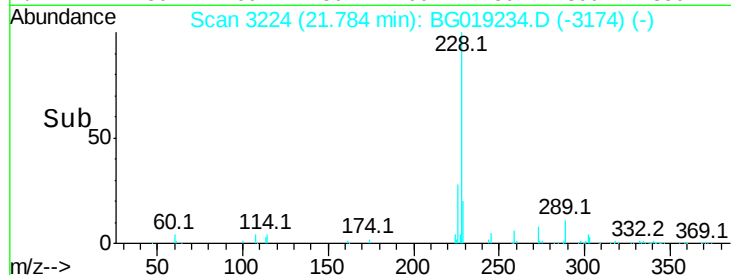
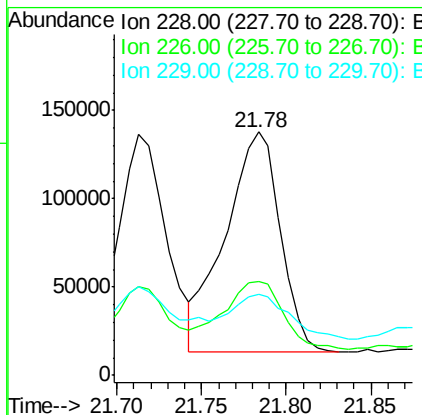
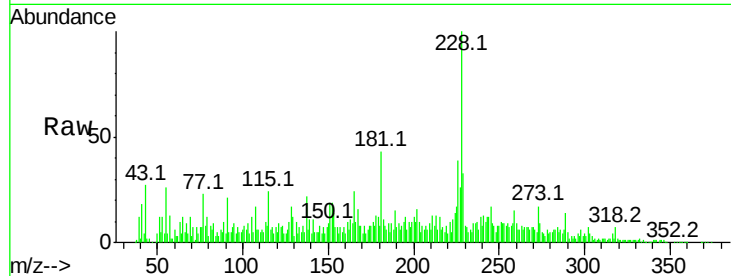
ClientSampleId :

E5LK1

Tot Ion	Ratio	Resp	Lower	Upper
228	100	283631		
226	38.7	24.2	36.2#	
229	33.1	15.6	23.4#	

Manual Integrations
APPROVED

MMdadoda
10/19/2015 6:29:32 PM



#91

Benzo(a)pyrene

Concen: 11.30 ng/ul m

RT: 24.90 min Scan# 3754

Delta R.T. 0.20 min

Lab File: BG019234.D

Acq: 16 Oct 2015 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	98669		
253	39.0	18.1	27.1#	
125	17.1	9.4	14.2#	

