

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101915\
 Data File : BG019254.D
 Acq On : 20 Oct 2015 00:13
 Operator : UM/NP
 Sample : G3996-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5LK2

Manual Integrations
 APPROVED

MMdadoda
 10/20/2015 6:27:34 PM

Quant Time: Oct 20 10:23:19 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 20 06:03:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	24179	20.00	ng/ul	0.00
18) Naphthalene-d8	10.82	136	101944m	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.66	164	58745m	20.00	ng/ul	0.03
62) Phenanthrene-d10	17.44	188	136265m	20.00	ng/ul	0.06
78) Chrysene-d12	21.72	240	154432m	20.00	ng/ul	0.07
86) Perylene-d12	25.00	264	140383m	20.00	ng/ul	0.14

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	908m	2.09	ng/uL	0.00
5) Phenol-d5	7.20	99	29689	14.07	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.33	67	19398	14.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	24060	15.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.75	113	24265	13.57	ng/ul	0.03
19) Nitrobenzene-d5	9.17	128	12377	15.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.90	143	14600m	17.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	23694m	14.35	ng/ul	0.03
29) 4-Chloroaniline-d4	10.97	131	26875m	12.64	ng/ul	0.03
44) Dimethylphthalate-d6	14.09	166	78812m	15.34	ng/ul	0.06
47) Acenaphthylene-d8	14.35	160	90586m	16.31	ng/ul	0.03
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.65	176	158831m	36.17	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	15.51	200	325	0.39	ng/ul	-0.24
71) Anthracene-d10	17.54	188	118089m	18.34	ng/ul	0.06
79) Pyrene-d10	19.82	212	118322m	16.89	ng/ul	0.06
90) Benzo(a)pyrene-d12	24.77	264	115555m	16.29	ng/ul	0.14

Target Compounds

					Ovalue
14) Acetophenone	8.83	105	8011	2.65	ng/ul# 38
24) 2,4-Dimethylphenol	10.05	107	212853m	99.19	ng/ul
28) Naphthalene	10.87	128	127305m	23.89	ng/ul
34) 2-Methylnaphthalene	12.48	142	151575m	35.88	ng/ul
35) 1-Methylnaphthalene	12.70	142	153875m	37.20	ng/ul
41) 1,1'-Biophenyl	13.48	154	85967m	18.74	ng/ul
50) Acenaphthene	14.72	153	82520m	20.12	ng/ul
54) Dibenzofuran	15.06	168	405202m	69.90	ng/ul
59) Fluorene	15.72	166	323715m	65.25	ng/ul
70) Phenanthrene	17.49	178	1542071m	202.67	ng/ul
72) Anthracene	17.57	178	269616m	34.88	ng/ul
77) Fluoranthene	19.49	202	711731m	74.73	ng/ul
80) Pyrene	19.86	202	785184m	85.66	ng/ul
83) Benzo(a)anthracene	21.70	228	203191m	23.30	ng/ul
85) Chrysene	21.77	228	225293m	27.31	ng/ul
91) Benzo(a)pyrene	24.85	252	71497m	9.34	ng/ul

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

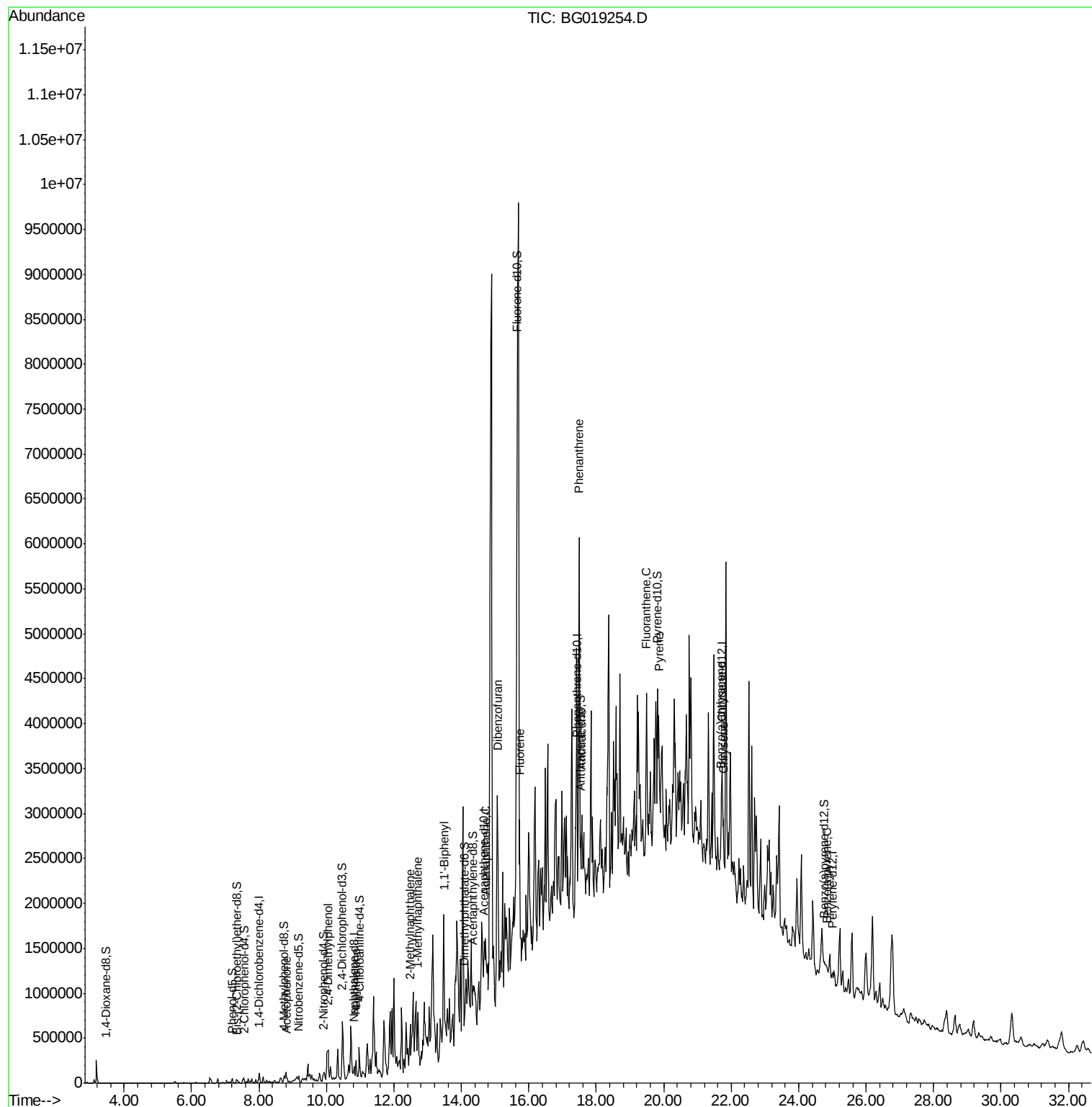
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101915\
Data File : BG019254.D
Acq On : 20 Oct 2015 00:13
Operator : UM/NP
Sample : G3996-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

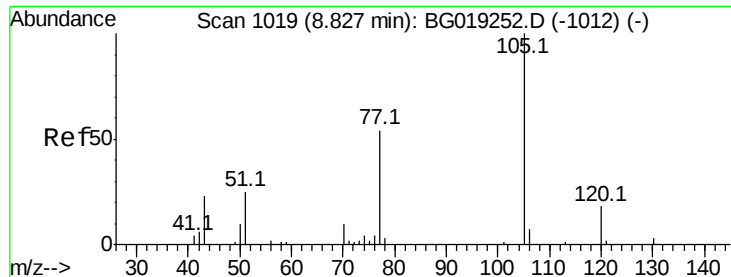
Instrument :
BNA_G
ClientSampleId :
E5LK2

Manual Integrations
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10/20/2015 6:27:34 PM

Quant Time: Oct 20 10:23:19 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 20 06:03:40 2015
Response via : Initial Calibration





#14

Acetophenone

Concen: 2.65 ng/ul

RT: 8.83 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BG019254.D

Acq: 20 Oct 2015 00:13

Instrument :

BNA_G

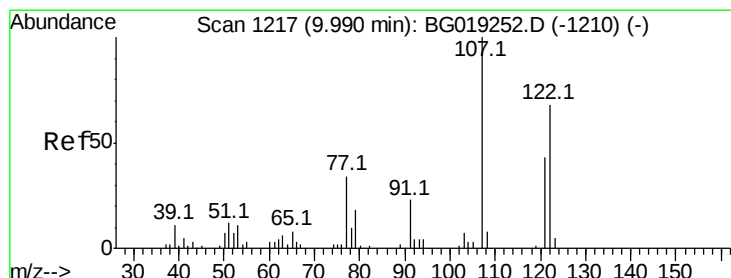
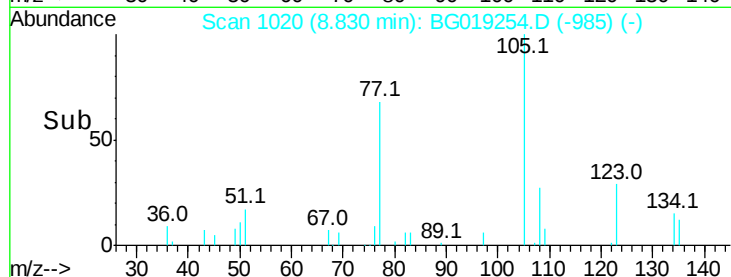
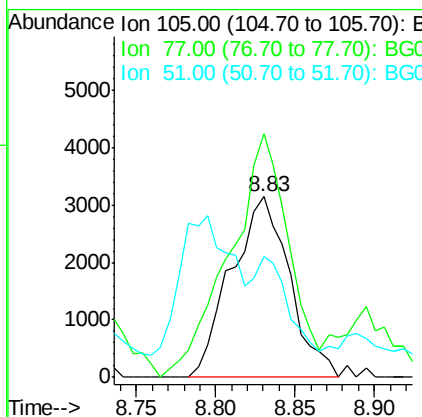
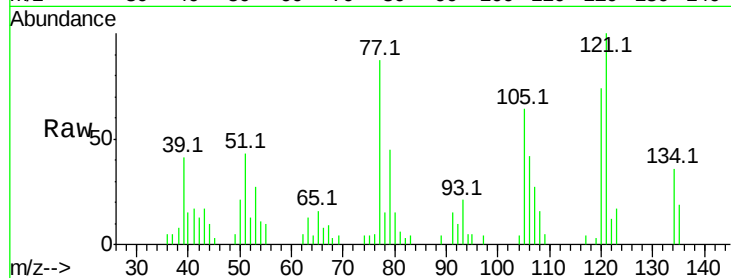
ClientSampleId :

E5LK2

Tot Ion:	105	Resp:	8011
Ion Ratio	Lower	Upper	
105	100		
77	134.9	63.8	95.6#
51	66.6	26.1	39.1#

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#24

2,4-Dimethylphenol

Concen: 99.19 ng/ul m

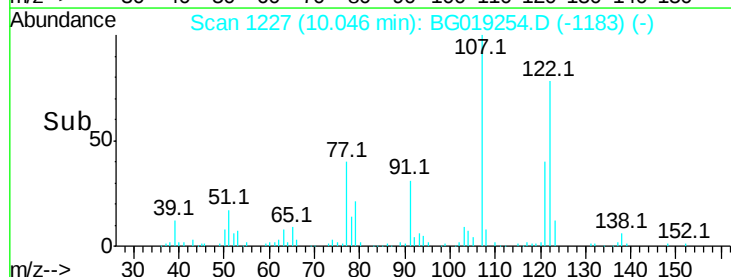
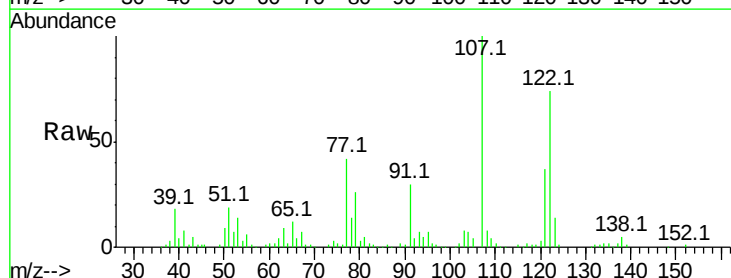
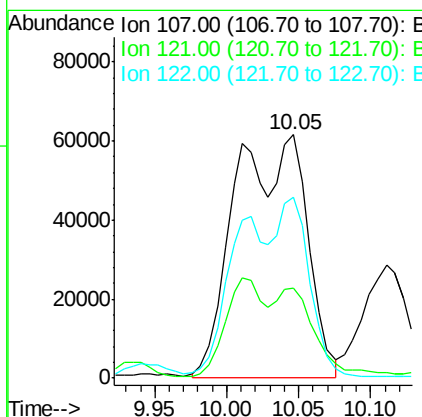
RT: 10.05 min Scan# 1227

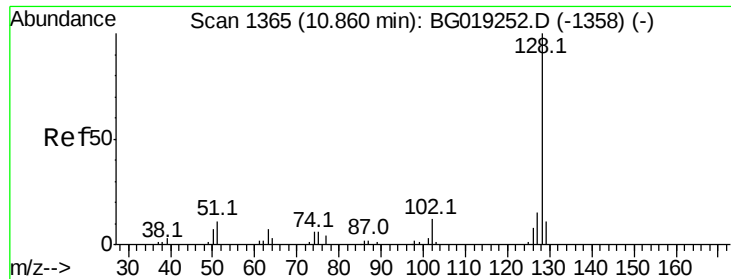
Delta R.T. 0.06 min

Lab File: BG019254.D

Acq: 20 Oct 2015 00:13

Tgt Ion:	107	Resp:	212853
Ion Ratio	Lower	Upper	
107	100		
121	37.2	37.2	55.8
122	74.3	67.6	101.4





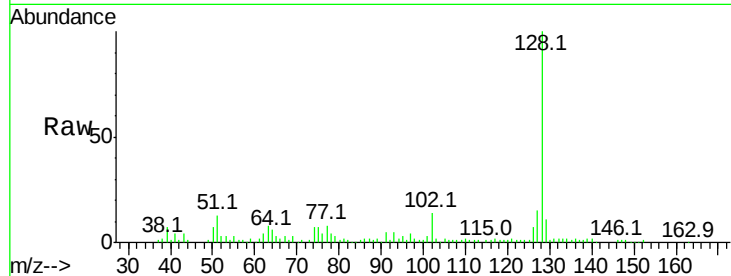
#28
Naphthalene
Concen: 23.89 ng/ul m
RT: 10.87 min Scan# 1367
Delta R.T. 0.01 min
Lab File: BG019254.D
Acq: 20 Oct 2015 00:13

Instrument :
BNA_G
ClientSampleId :
E5LK2

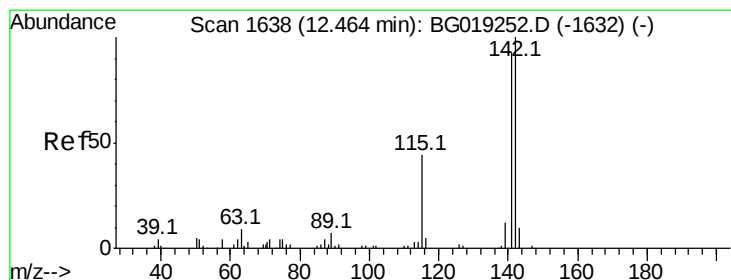
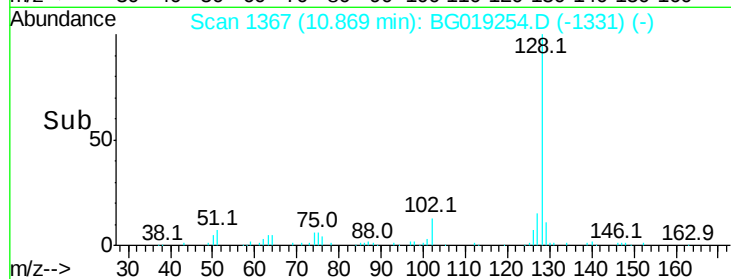
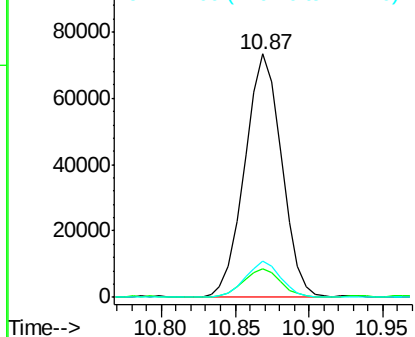
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.6	14.4
127	14.7	11.3	16.9

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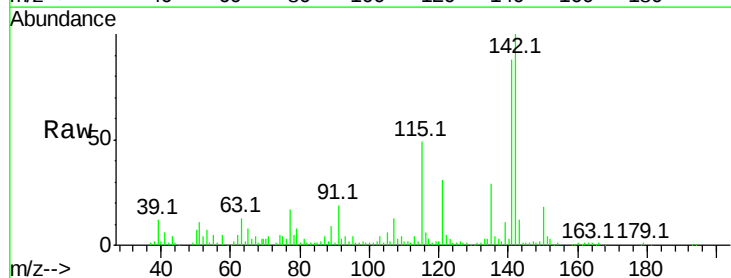


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

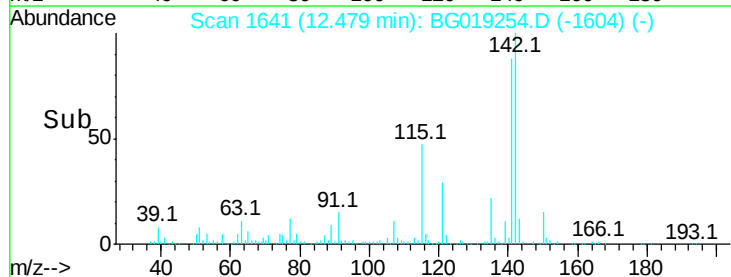
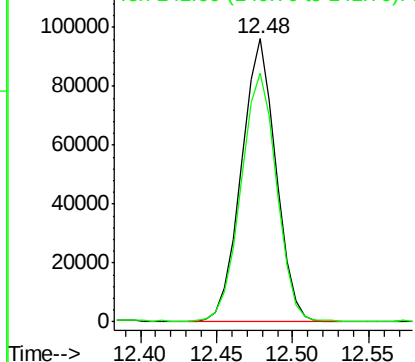


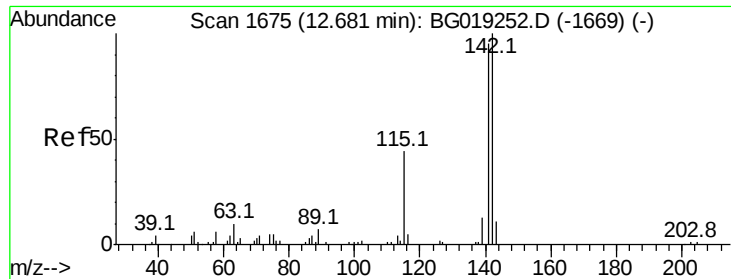
#34
2-Methylnaphthalene
Concen: 35.88 ng/ul m
RT: 12.48 min Scan# 1641
Delta R.T. 0.01 min
Lab File: BG019254.D
Acq: 20 Oct 2015 00:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.0	73.4	110.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





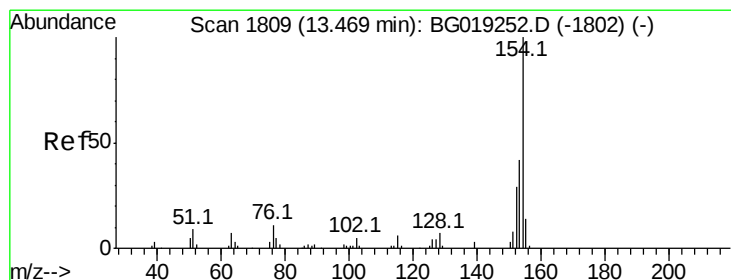
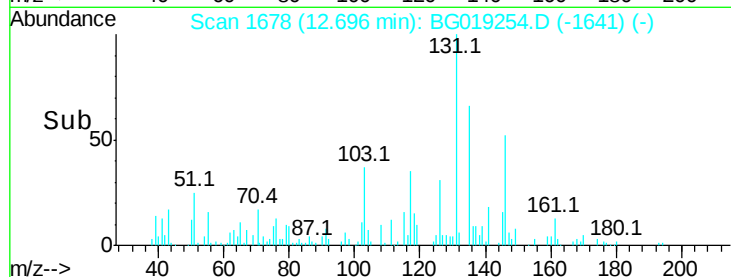
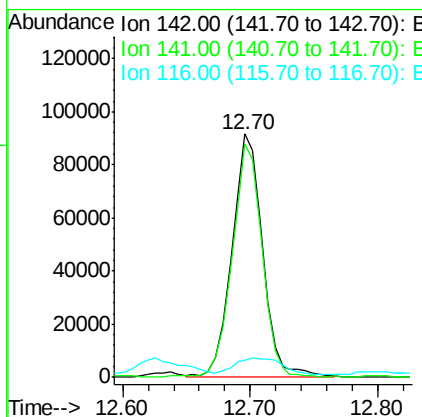
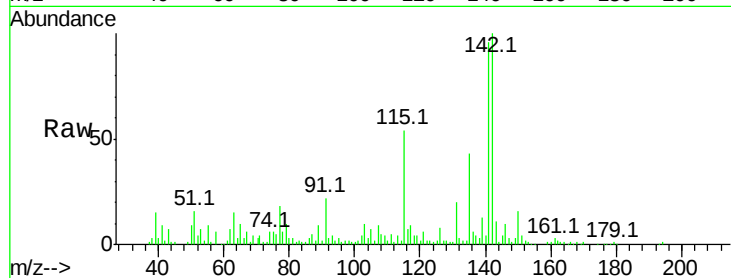
#35
 1-Methylnaphthalene
 Concen: 37.20 ng/ul m
 RT: 12.70 min Scan# 1678
 Delta R.T. 0.01 min
 Lab File: BG019254.D
 Acq: 20 Oct 2015 00:13

Instrument :
 BNA_G
 ClientSampleId :
 E5LK2

Tot Ion	Ratio	Lower	Upper
142	100		
141	95.6	74.8	112.2
116	6.8	3.2	4.8#

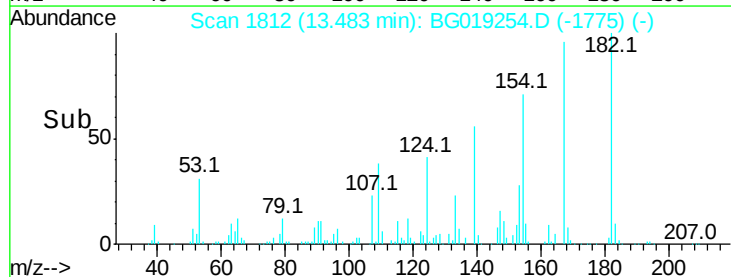
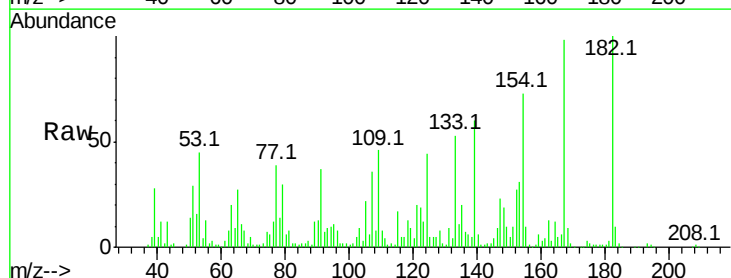
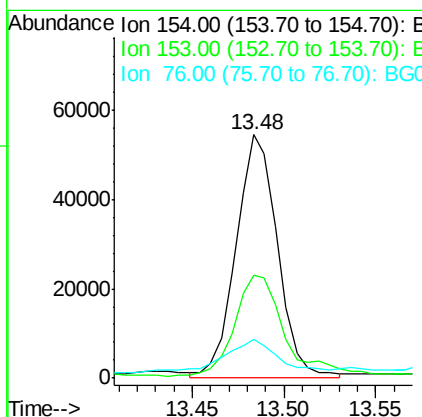
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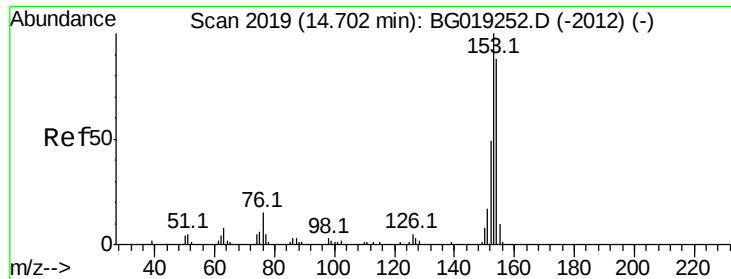
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#41
 1,1'-Biphenyl
 Concen: 18.74 ng/ul m
 RT: 13.48 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: BG019254.D
 Acq: 20 Oct 2015 00:13

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.1	31.4	47.0
76	15.8	10.8	16.2





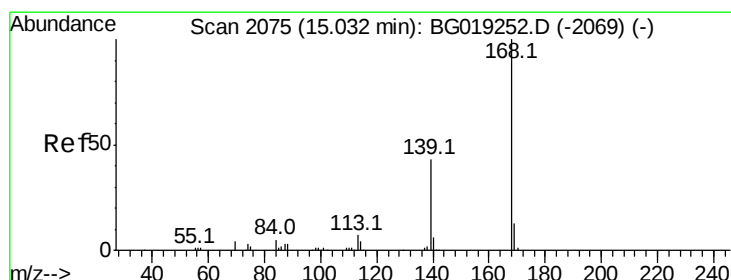
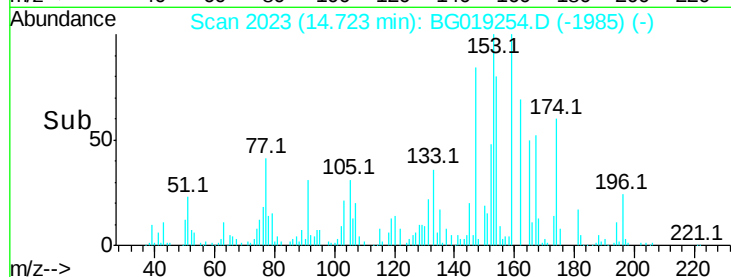
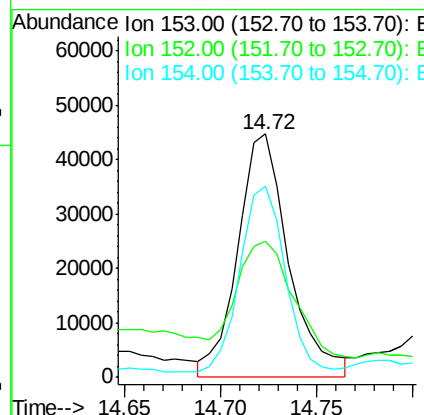
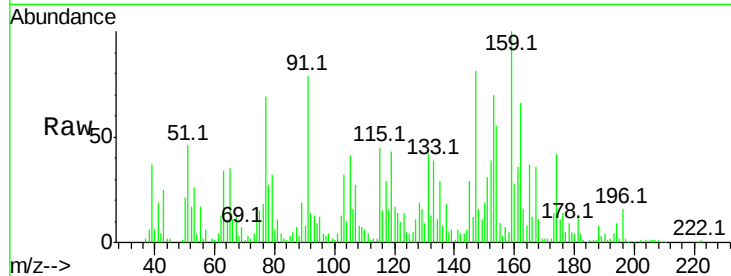
#50
Acenaphthene
Concen: 20.12 ng/ul m
RT: 14.72 min Scan# 2023
Delta R.T. 0.02 min
Lab File: BG019254.D
Acq: 20 Oct 2015 00:13

Instrument :
BNA_G
ClientSampled :
E5LK2

Tot Ion	Ratio	Lower	Upper
153	100		
152	55.9	36.2	54.2#
154	78.5	67.5	101.3

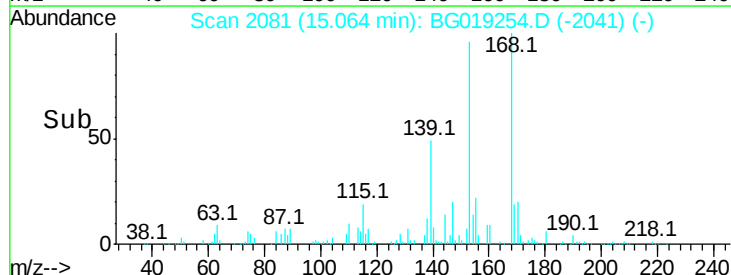
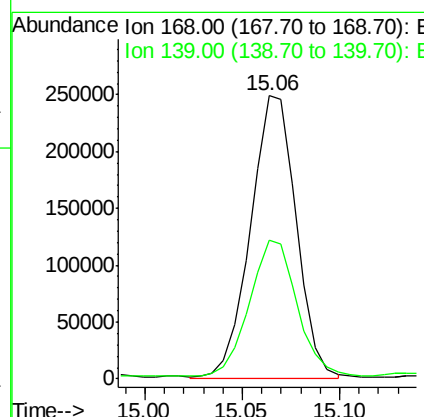
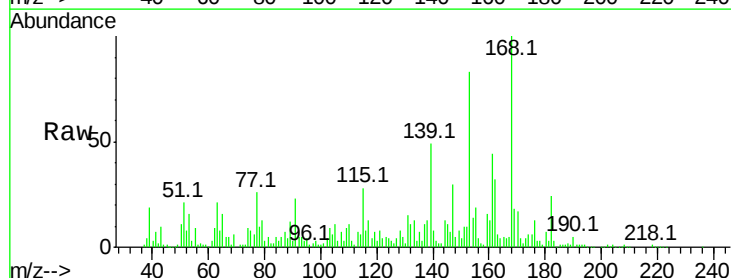
Manual Integrations
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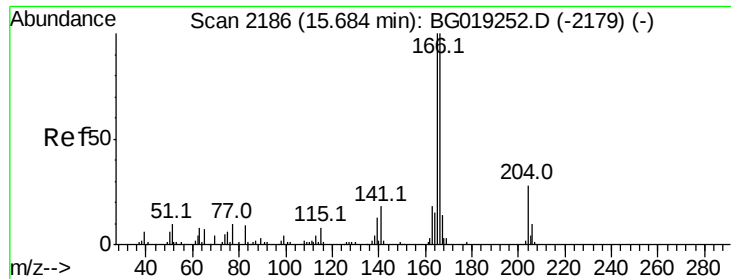
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#54
Dibenzofuran
Concen: 69.90 ng/ul m
RT: 15.06 min Scan# 2081
Delta R.T. 0.03 min
Lab File: BG019254.D
Acq: 20 Oct 2015 00:13

Tgt Ion	Ratio	Lower	Upper
168	100		
139	49.0	28.5	42.7#





#59

Fluorene

Concen: 65.25 ng/ul m

RT: 15.72 min Scan# 2193

Delta R.T. 0.04 min

Lab File: BG019254.D

Acq: 20 Oct 2015 00:13

Instrument :

BNA_G

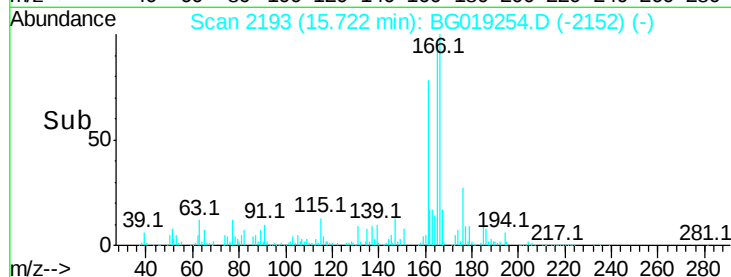
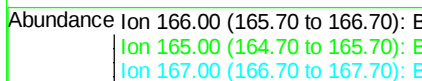
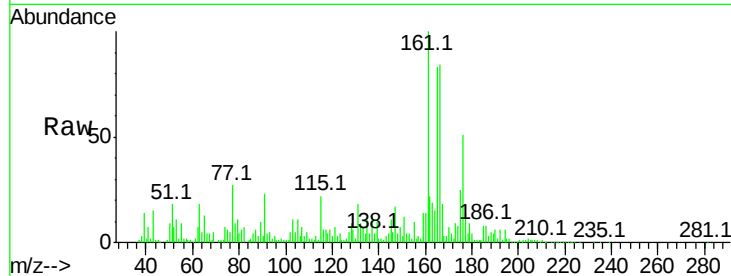
ClientSampleId :

E5LK2

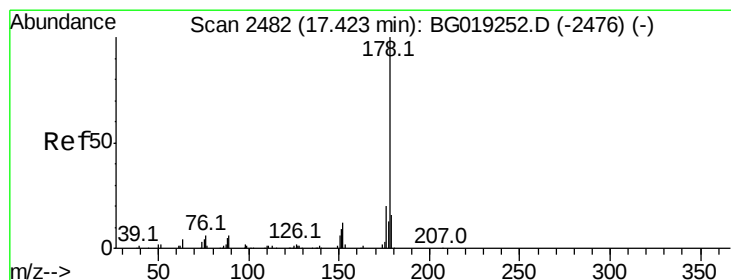
Tot Ion:	166	Resp:	323715
Ion Ratio	Lower	Upper	
166	100		
165	99.4	77.7	116.5
167	21.5	10.4	15.6#

Manual Integrations
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Time-->



#70

Phenanthrene

Concen: 202.67 ng/ul m

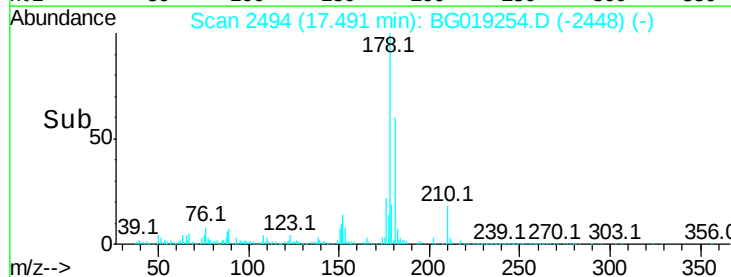
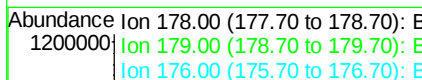
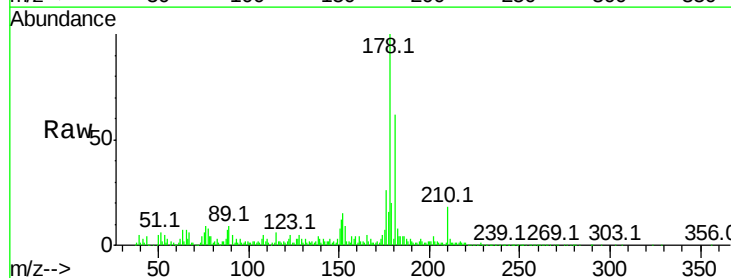
RT: 17.49 min Scan# 2494

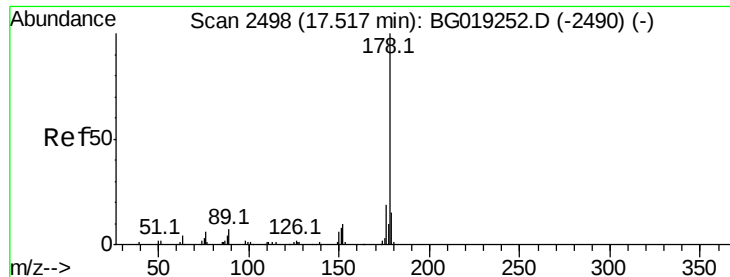
Delta R.T. 0.07 min

Lab File: BG019254.D

Acq: 20 Oct 2015 00:13

Tgt Ion:	178	Resp:	1542071
Ion Ratio	Lower	Upper	
178	100		
179	20.0	12.5	18.7#
176	25.9	15.4	23.0#





#72

Anthracene

Concen: 34.88 ng/ul m

RT: 17.57 min Scan# 2508

Delta R.T. 0.06 min

Lab File: BG019254.D

Acq: 20 Oct 2015 00:13

Instrument :

BNA_G

ClientSampleId :

E5LK2

Tot Ion:178 Resp: 269616

Ion Ratio Lower Upper

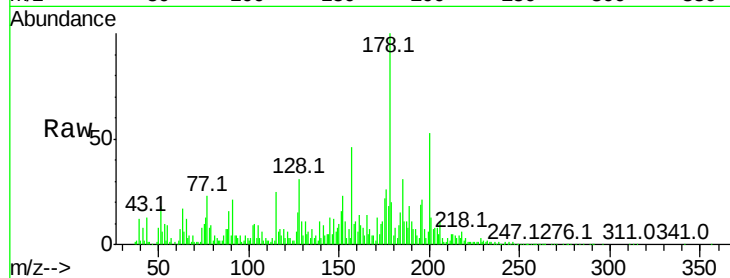
178 100

179 20.1 12.2 18.4#

176 25.9 15.0 22.6#

Manual Integrations
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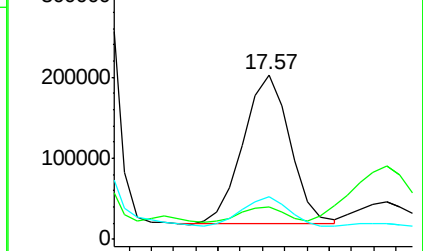
MMdadoda
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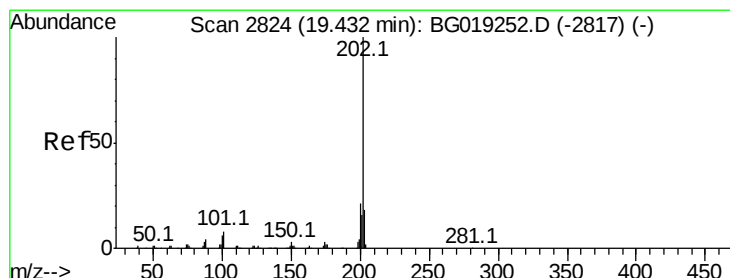
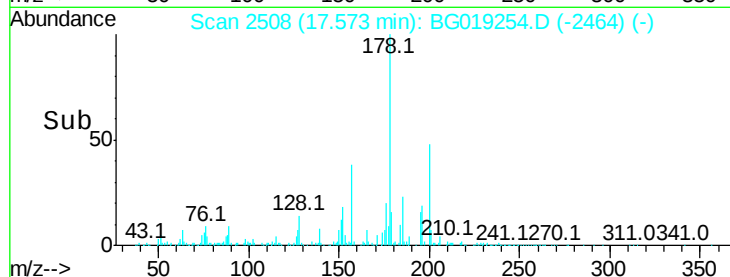
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#77

Fluoranthene

Concen: 74.73 ng/ul m

RT: 19.49 min Scan# 2835

Delta R.T. 0.06 min

Lab File: BG019254.D

Acq: 20 Oct 2015 00:13

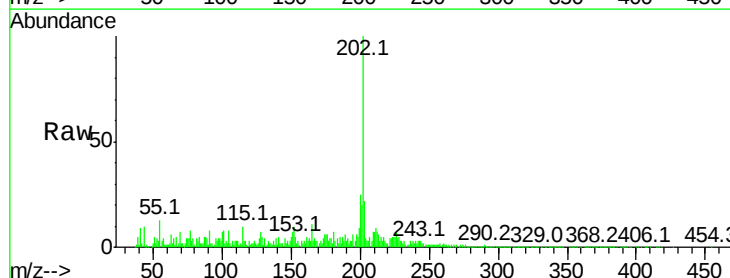
Tgt Ion:202 Resp: 711731

Ion Ratio Lower Upper

202 100

101 8.4 9.0 13.4#

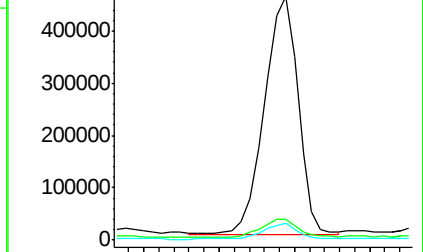
100 6.8 6.9 10.3#



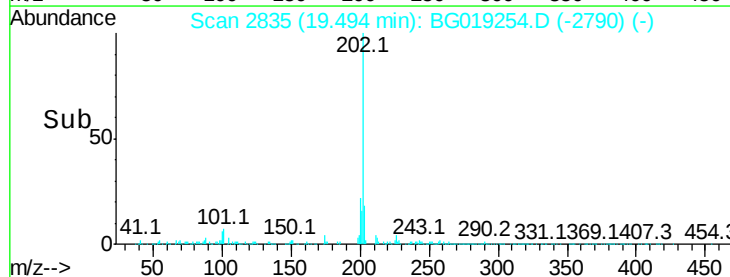
Abundance Ion 202.00 (201.70 to 202.70): E

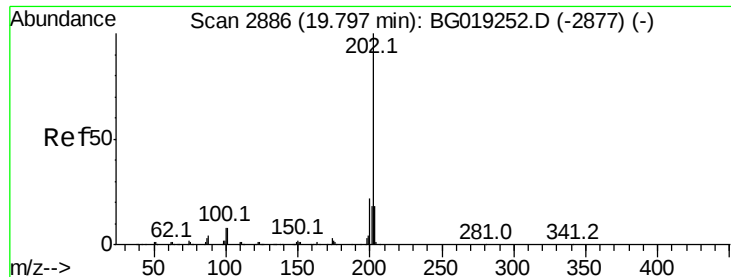
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



Time-->





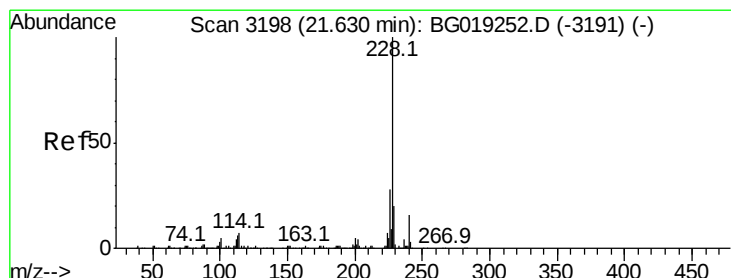
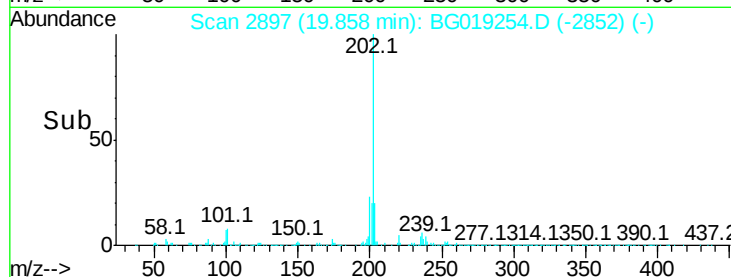
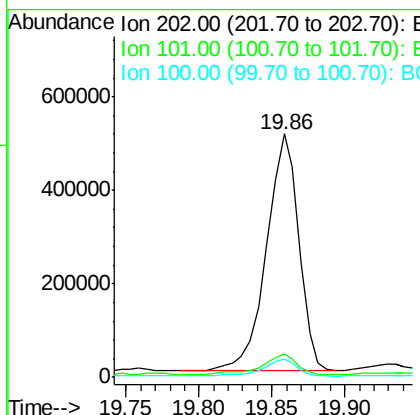
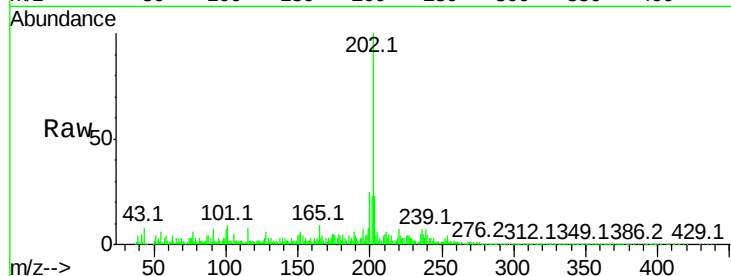
#80
Pvrene
Concen: 85.66 ng/ul m
RT: 19.86 min Scan# 2897
Delta R.T. 0.06 min
Lab File: BG019254.D
Acq: 20 Oct 2015 00:13

Instrument :
BNA_G
ClientSampleId :
E5LK2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.4	10.2	15.2#
100	7.5	8.5	12.7#

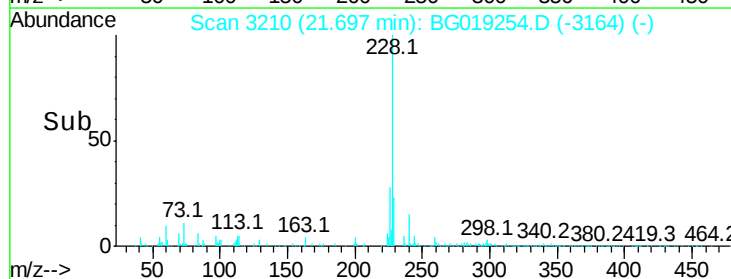
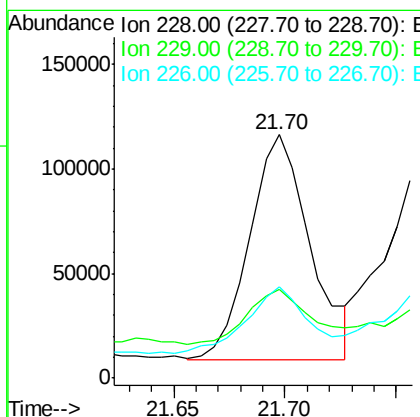
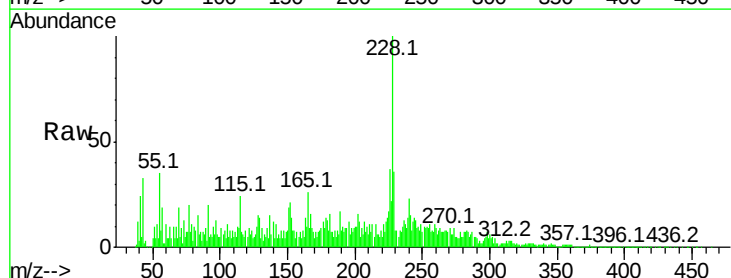
Manual Integrations
APPROVED

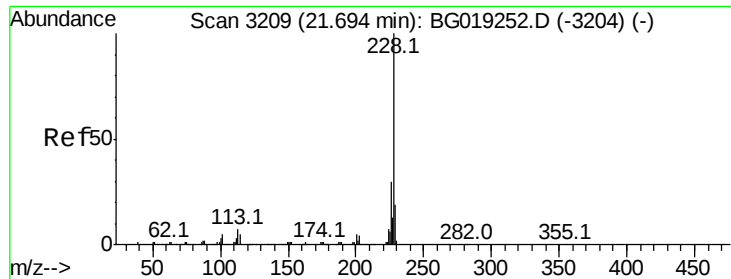
MMdadoda
10/20/2015 6:27:34 PM



#83
Benzo(a)anthracene
Concen: 23.30 ng/ul m
RT: 21.70 min Scan# 3210
Delta R.T. 0.07 min
Lab File: BG019254.D
Acq: 20 Oct 2015 00:13

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	36.3	16.6	24.8#
226	37.4	22.8	34.2#





#85

Chrysene

Concen: 27.31 ng/ul m

RT: 21.77 min Scan# 3222

Delta R.T. 0.07 min

Lab File: BG019254.D

Acq: 20 Oct 2015 00:13

Instrument :

BNA_G

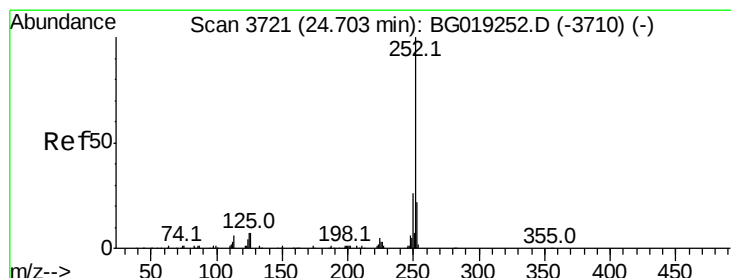
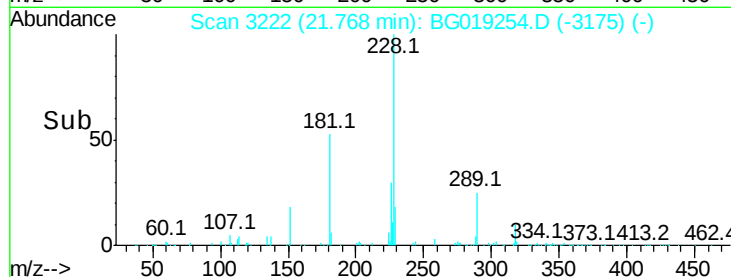
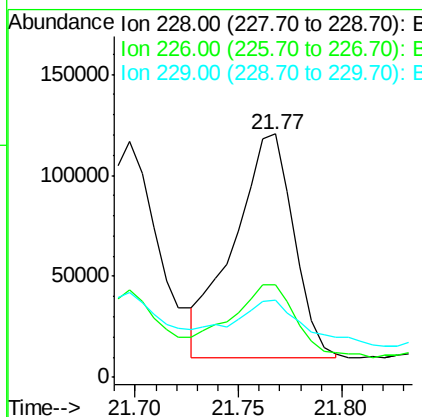
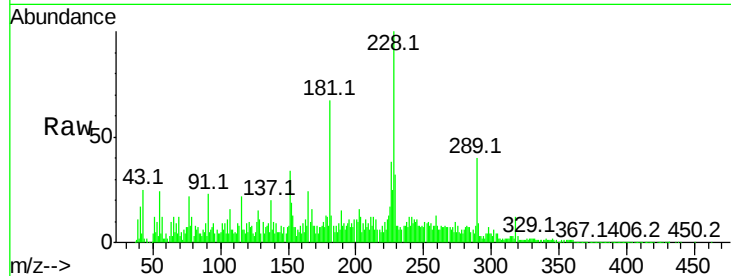
ClientSampleId :

E5LK2

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.9	24.2	36.2#
229	31.8	15.6	23.4#

Manual Integrations
APPROVED

MMdadoda
10/20/2015 6:27:34 PM



#91

Benzo(a)pyrene

Concen: 9.34 ng/ul m

RT: 24.85 min Scan# 3746

Delta R.T. 0.14 min

Lab File: BG019254.D

Acq: 20 Oct 2015 00:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.2	18.1	27.1#
125	14.1	9.4	14.2

