

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
 Data File : BG020519.D
 Acq On : 26 Dec 2015 1:03
 Operator : UM/SJ
 Sample : G4847-09
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N73

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:06:26 PM

Quant Time: Dec 26 05:56:51 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 26 02:12:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	17906	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	78486	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.72	164	57244	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	142259m	20.00	ng/ul	0.00
78) Chrysene-d12	21.72	240	180269	20.00	ng/ul	0.00
86) Perylene-d12	24.99	264	173331	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	562	1.73	ng/uL	0.00
5) Phenol-d5	7.24	99	13394	9.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	31961	37.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	34756	31.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	25153	20.81	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	22370	36.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	26730	38.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	46184	34.12	ng/ul	0.01
29) 4-Chloroaniline-d4	11.04	131	2000m	1.29	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	174784	37.04	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	199697	36.53	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	6548	8.32	ng/ul	0.00
58) Fluorene-d10	15.70	176	159252	37.32	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.88	200	117	0.12	ng/ul	0.06
71) Anthracene-d10	17.56	188	257339	38.62	ng/ul	0.00
79) Pyrene-d10	19.84	212	302738	38.79	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	355006	40.51	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	11.01	128	6751639	1618.23	ng/ul#	54
34) 2-Methylnaphthalene	12.56	142	1257502	407.34	ng/ul	99
41) 1,1'-Biphenyl	13.55	154	435177	98.50	ng/ul	96
48) Acenaphthylene	14.43	152	205960	35.84	ng/ul	98
50) Acenaphthene	14.80	153	1691794	435.51	ng/ul	92
54) Dibenzofuran	15.12	168	1398834	242.03	ng/ul	92
59) Fluorene	15.77	166	1076120	229.77	ng/ul	97
70) Phenanthrene	17.51	178	1922570m	242.89	ng/ul	
72) Anthracene	17.56	178	234039m	28.92	ng/ul	
75) Carbazole	17.89	167	2270491m	332.87	ng/ul	
77) Fluoranthene	19.50	202	356844	35.85	ng/ul	98
80) Pyrene	19.87	202	209002	20.50	ng/ul	98

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

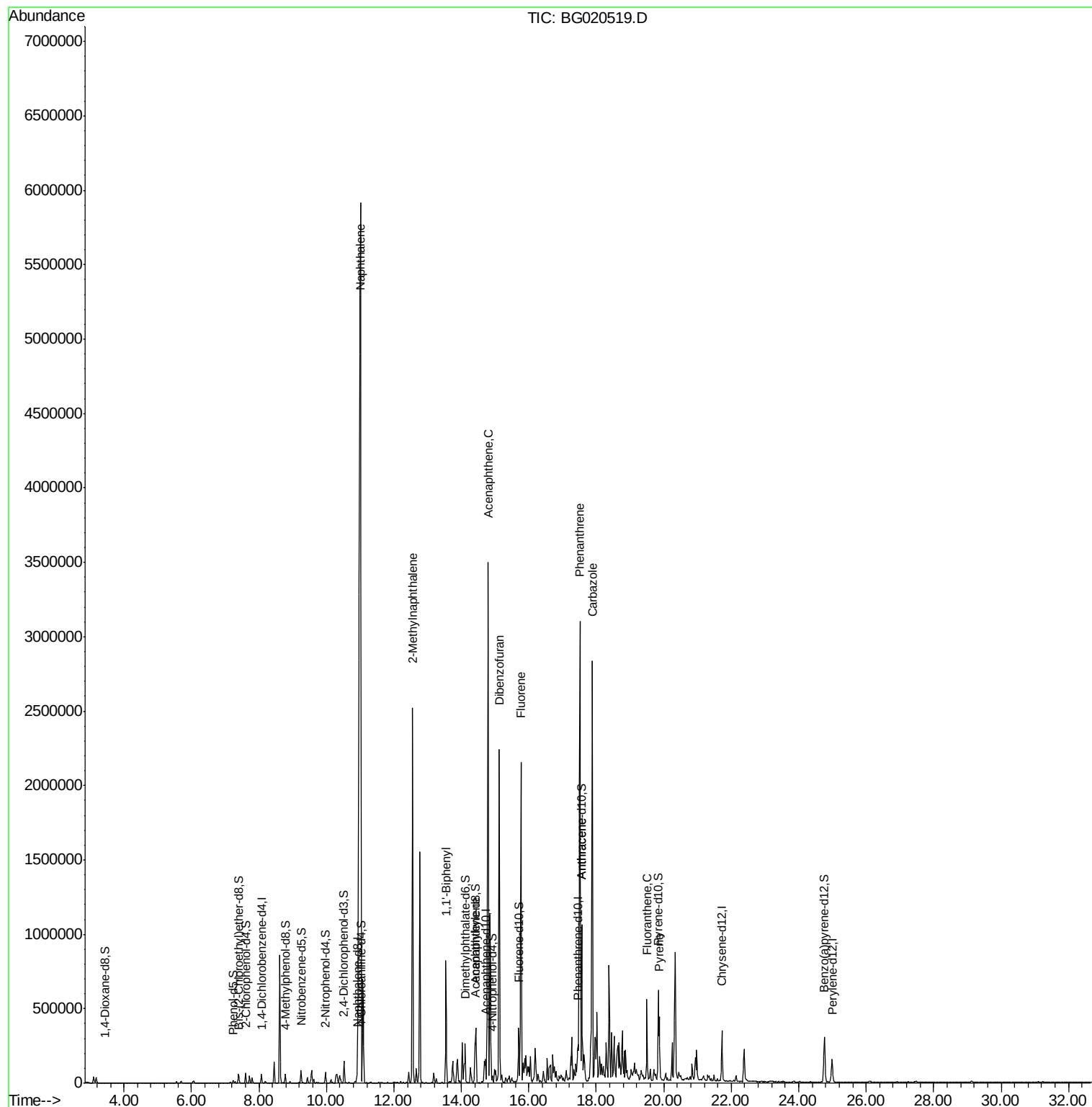
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020519.D
Acq On : 26 Dec 2015 1:03
Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

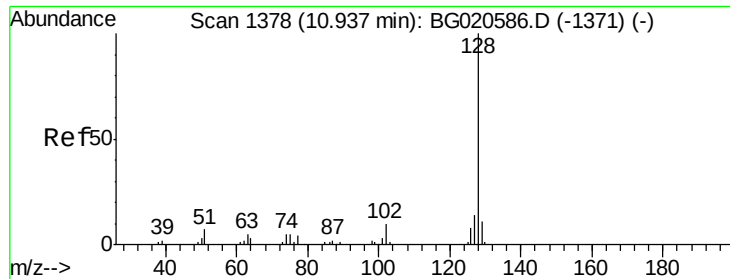
Instrument :
BNA_G
ClientSampleId :
D9N73

Manual Integrations
APPROVED

Sohil
12/28/2015 6:06:26 PM

Quant Time: Dec 26 05:56:51 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 26 02:12:58 2015
Response via : Initial Calibration





#28

Naphthalene

Concen: 1618.23 ng/ul

RT: 11.01 min Scan# 1390

Delta R.T. 0.07 min

Lab File: BG020519.D

Acq: 26 Dec 2015 1:03

Instrument :

BNA_G

ClientSampleId :

D9N73

Tot Ion:128 Resp: 6751639

Ion Ratio Lower Upper

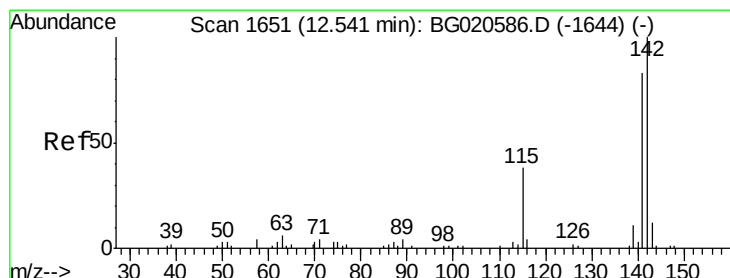
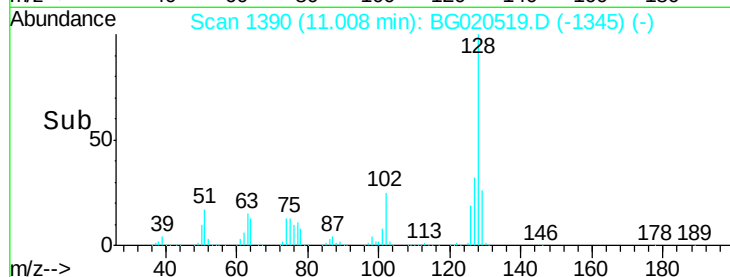
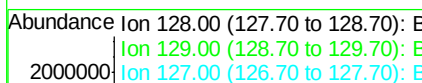
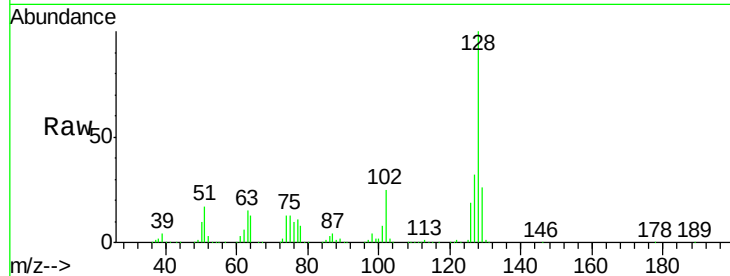
128 100

129 26.1 8.6 12.8#

127 32.4 10.1 15.1#

Manual Integrations
APPROVED

Sohil
12/28/2015 6:06:26 PM



#34

2-Methylnaphthalene

Concen: 407.34 ng/ul

RT: 12.56 min Scan# 1654

Delta R.T. 0.01 min

Lab File: BG020519.D

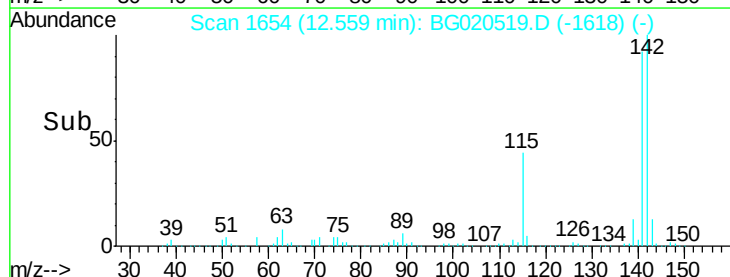
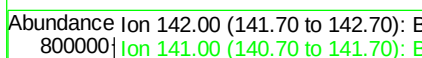
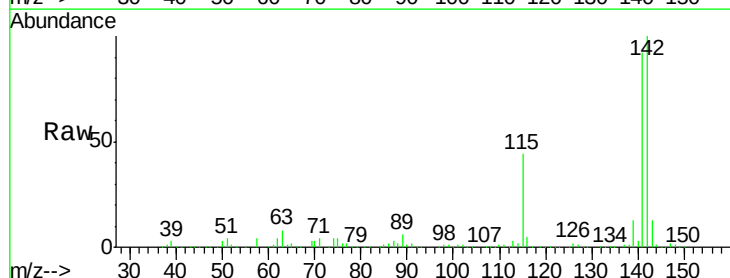
Acq: 26 Dec 2015 1:03

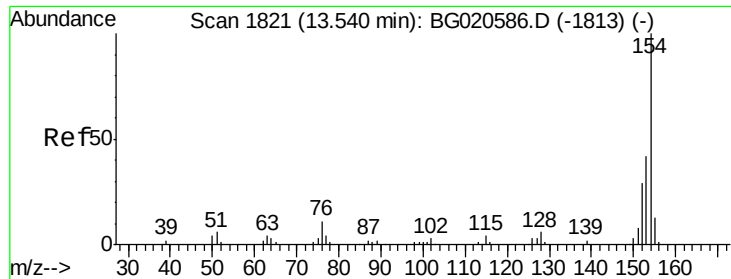
Tgt Ion:142 Resp: 1257502

Ion Ratio Lower Upper

142 100

141 92.2 74.9 112.3





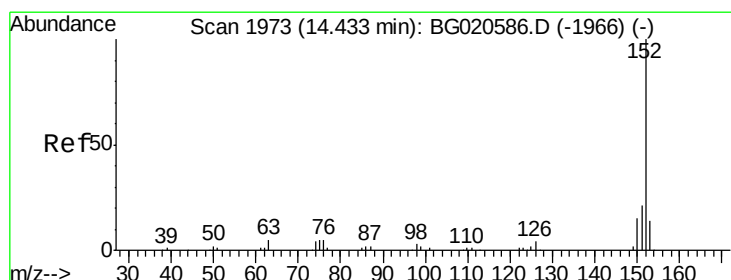
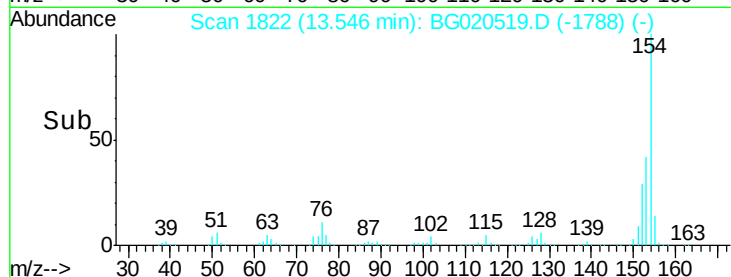
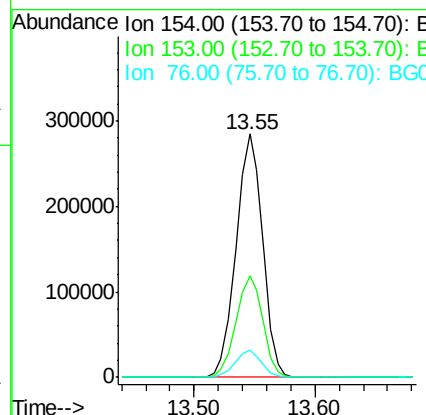
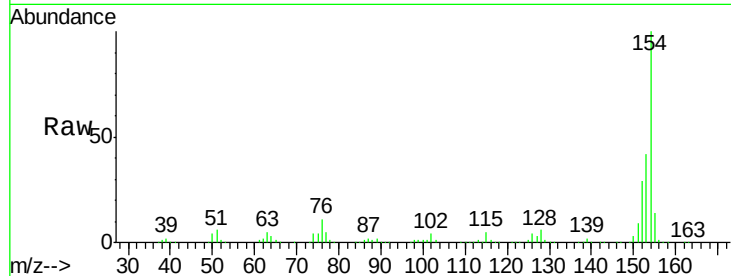
#41
 1,1'-Biphenyl
 Concen: 98.50 ng/ul
 RT: 13.55 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BG020519.D
 Acq: 26 Dec 2015 1:03

Instrument :
 BNA_G
 ClientSampleId :
 D9N73

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.9	35.5	53.3
76	11.2	10.4	15.6

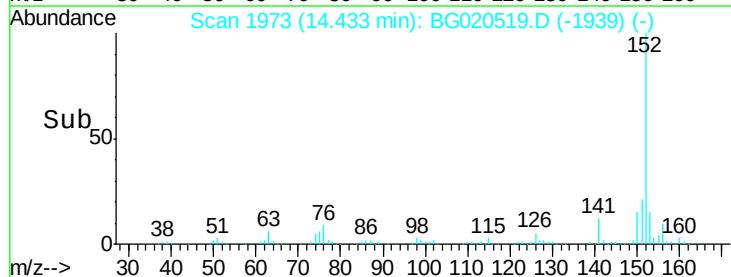
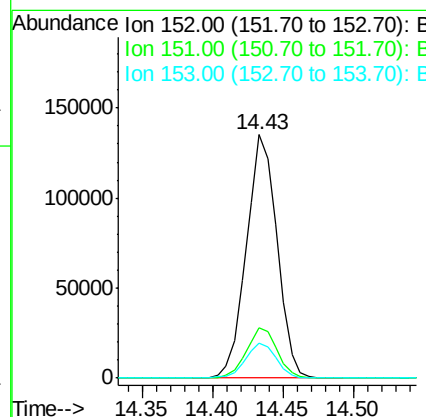
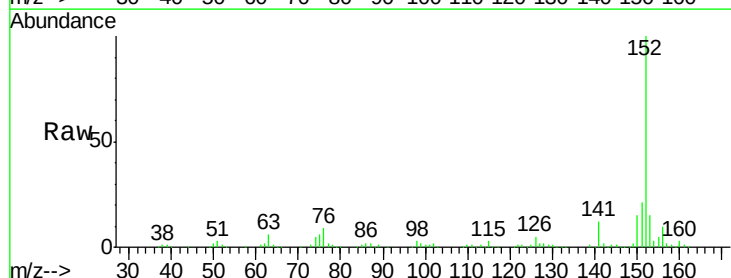
Manual Integrations
 APPROVED

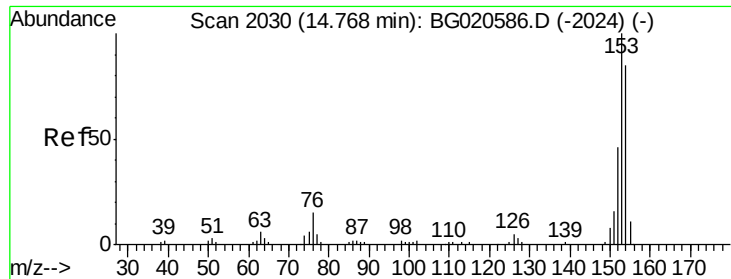
Sohil
 12/28/2015 6:06:26 PM



#48
 Acenaphthylene
 Concen: 35.84 ng/ul
 RT: 14.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: BG020519.D
 Acq: 26 Dec 2015 1:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.4	24.6
153	14.5	10.4	15.6





#50

Acenaphthene

Concen: 435.51 ng/ul

RT: 14.80 min Scan# 2035

Delta R.T. 0.03 min

Lab File: BG020519.D

Acq: 26 Dec 2015 1:03

Instrument :

BNA_G

ClientSampleId :

D9N73

Tot Ion:153 Resp: 1691794

Ion Ratio Lower Upper

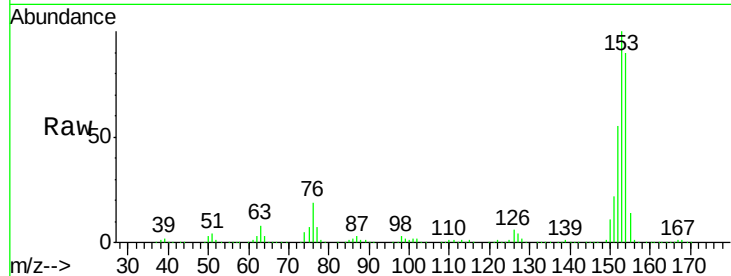
153 100

152 55.0 37.6 56.4

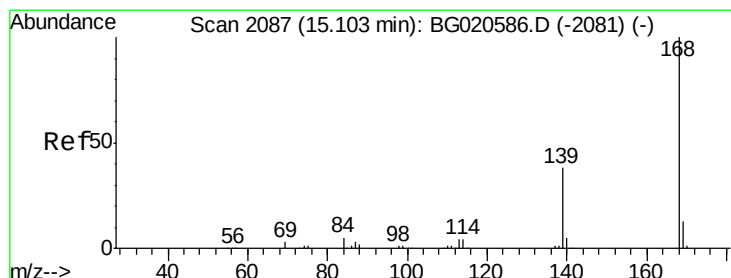
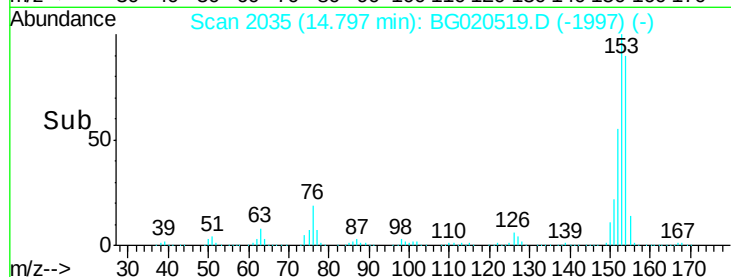
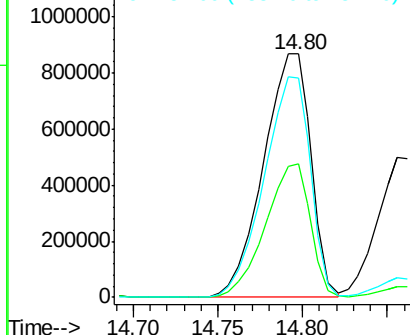
154 89.9 67.9 101.9

Manual Integrations
APPROVED

Sohil
12/28/2015 6:06:26 PM



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: 242.03 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. 0.01 min

Lab File: BG020519.D

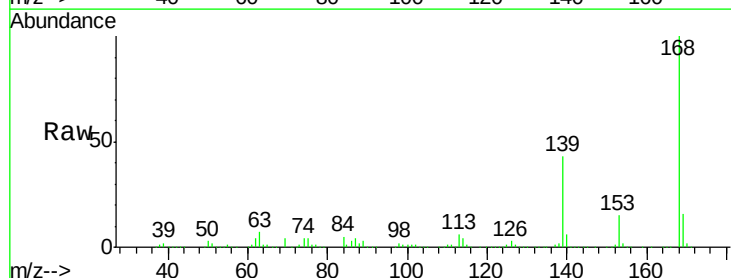
Acq: 26 Dec 2015 1:03

Tgt Ion:168 Resp: 1398834

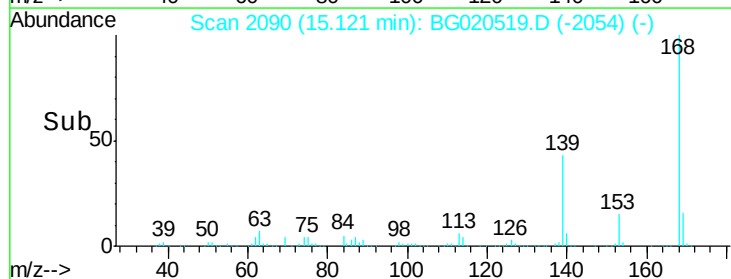
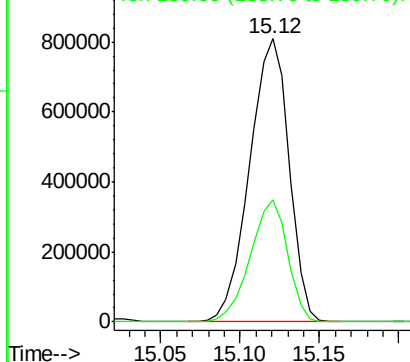
Ion Ratio Lower Upper

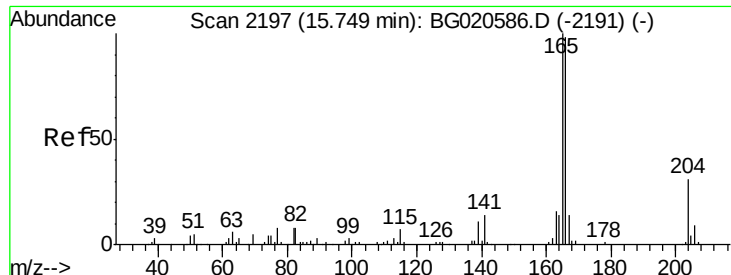
168 100

139 43.1 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





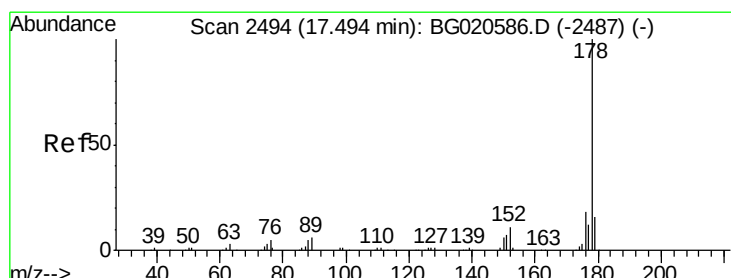
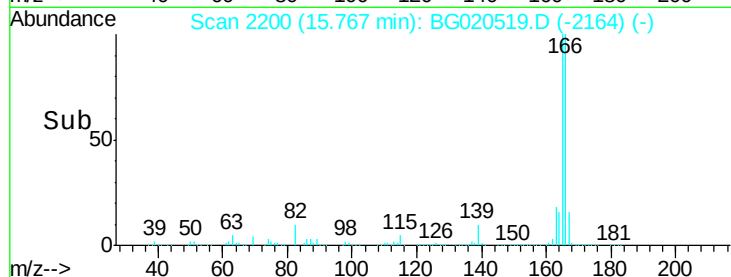
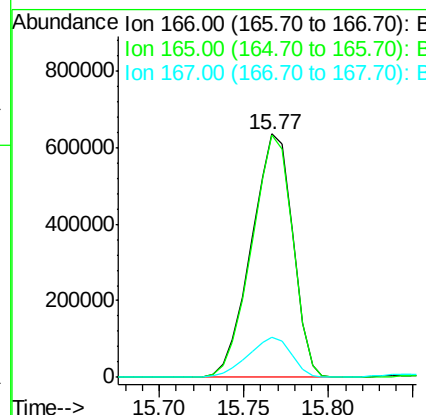
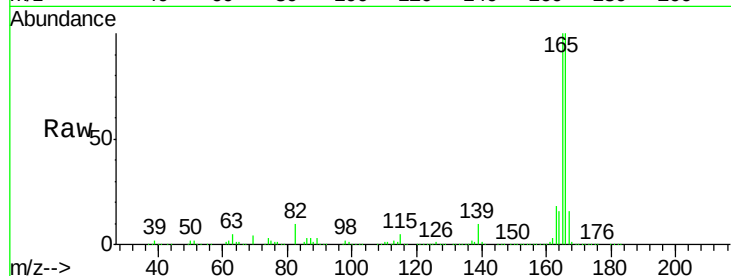
#59
Fluorene
Concen: 229.77 ng/ul
RT: 15.77 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BG020519.D
Acq: 26 Dec 2015 1:03

Instrument :
BNA_G
ClientSampleId :
D9N73

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.5	81.4	122.0
167	16.3	11.2	16.8

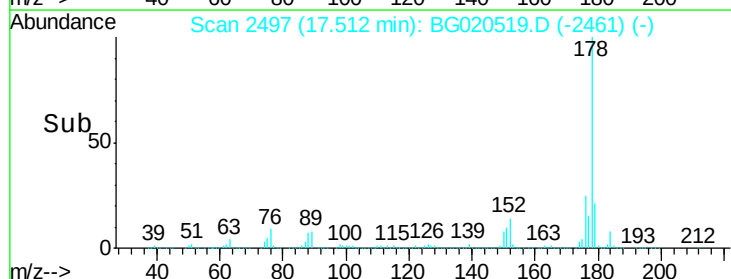
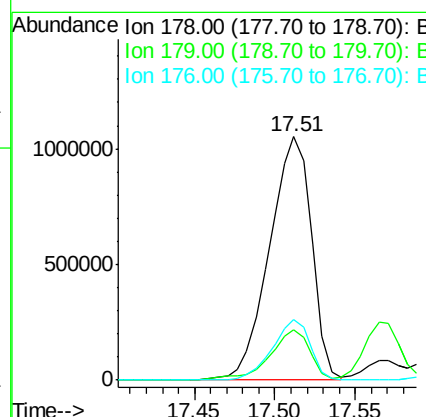
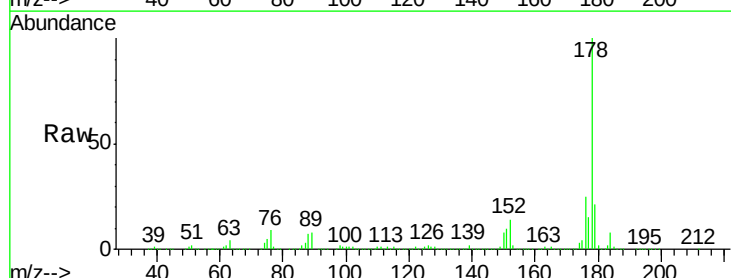
Manual Integrations
APPROVED

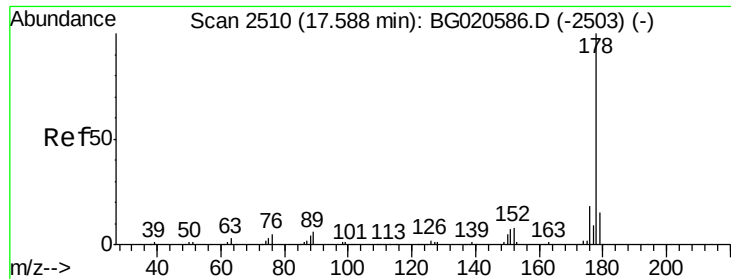
Sohil
12/28/2015 6:06:26 PM



#70
Phenanthrene
Concen: 242.89 ng/ul m
RT: 17.51 min Scan# 2497
Delta R.T. 0.01 min
Lab File: BG020519.D
Acq: 26 Dec 2015 1:03

Tgt Ion	Ratio	Lower	Upper
178	100		
179	20.7	12.9	19.3#
176	24.9	15.3	22.9#





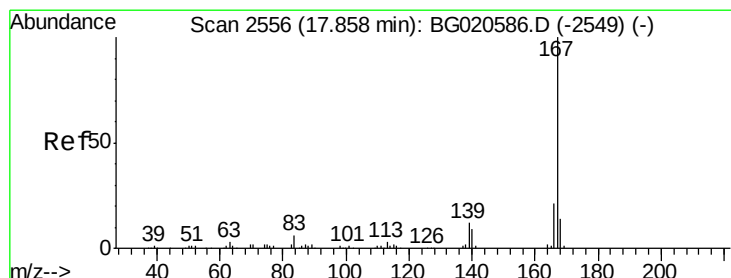
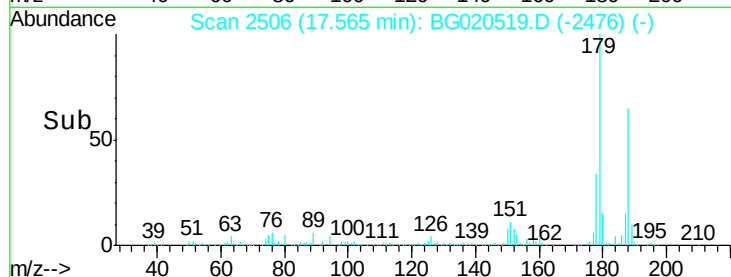
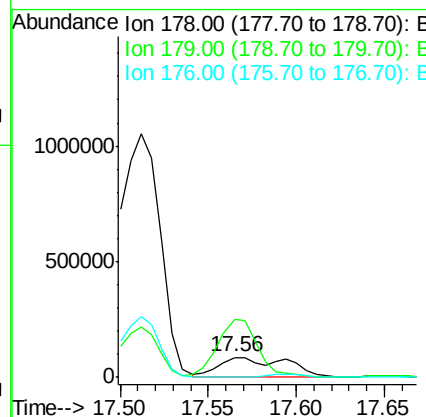
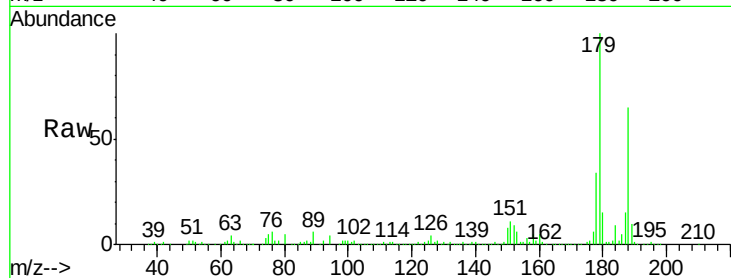
#72
 Anthracene
 Concen: 28.92 ng/ul m
 RT: 17.56 min Scan# 2506
 Delta R.T. -0.02 min
 Lab File: BG020519.D
 Acq: 26 Dec 2015 1:03

Instrument :
 BNA_G
 ClientSampleId :
 D9N73

Tot Ion	Ratio	Lower	Upper
178	100		
179	293.4	12.3	18.5#
176	4.4	14.3	21.5#

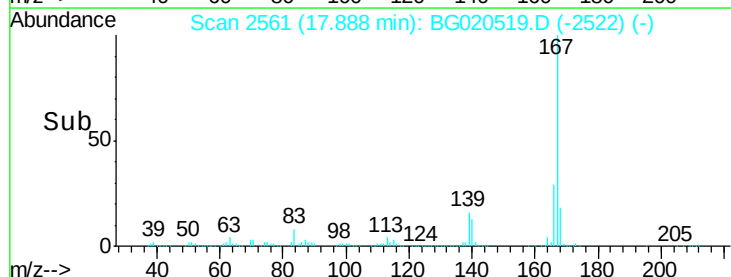
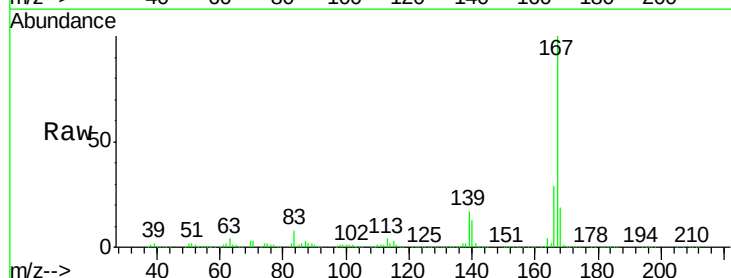
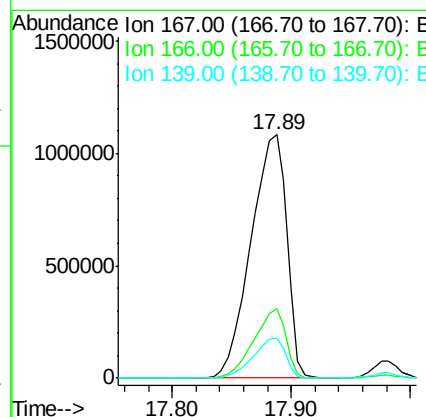
Manual Integrations
 APPROVED

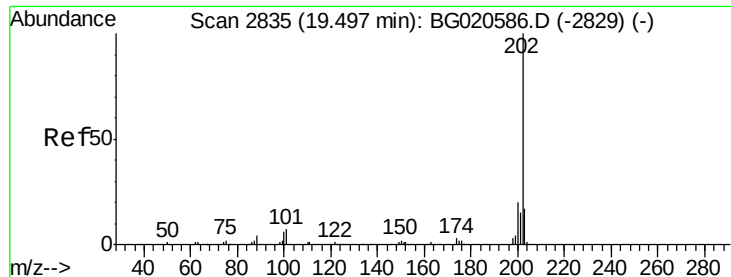
Sohil
 12/28/2015 6:06:26 PM



#75
 Carbazole
 Concen: 332.87 ng/ul m
 RT: 17.89 min Scan# 2561
 Delta R.T. 0.03 min
 Lab File: BG020519.D
 Acq: 26 Dec 2015 1:03

Tgt Ion	Ratio	Lower	Upper
167	100		
166	28.6	17.0	25.6#
139	16.5	10.1	15.1#





#77

Fluoranthene

Concen: 35.85 ng/ul

RT: 19.50 min Scan# 2836

Delta R.T. 0.00 min

Lab File: BG020519.D

Acq: 26 Dec 2015 1:03

Instrument :

BNA_G

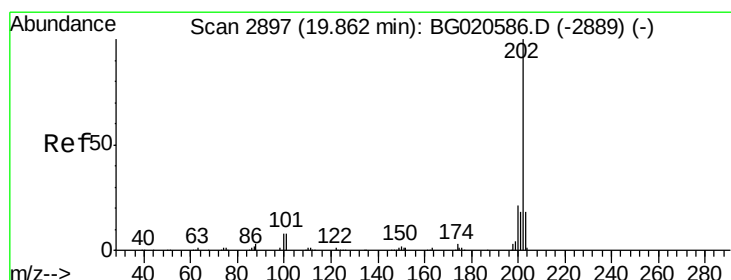
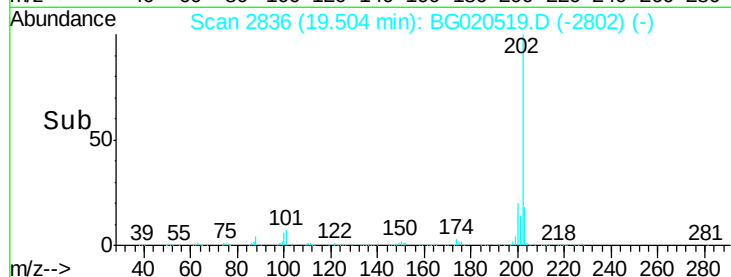
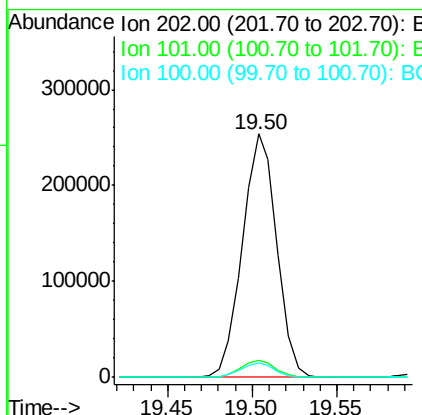
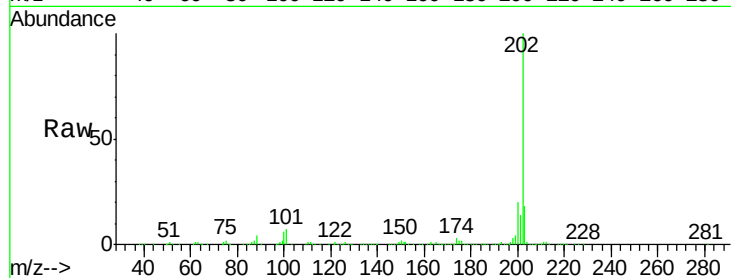
ClientSampleId :

D9N73

Tot Ion:	202	Resp:	356844
Ion Ratio	Lower	Upper	
202	100		
101	7.1	6.2	9.4
100	5.8	5.1	7.7

Manual Integrations
APPROVED

Sohil
12/28/2015 6:06:26 PM



#80

Pyrene

Concen: 20.50 ng/ul

RT: 19.87 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BG020519.D

Acq: 26 Dec 2015 1:03

Tgt Ion:	202	Resp:	209002
Ion Ratio	Lower	Upper	
202	100		
101	8.0	7.0	10.4
100	7.4	6.4	9.6

