

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
 Data File : BG082537.D
 Acq On : 29 Aug 2017 3:07
 Operator : SJ/JU
 Sample : I4905-21
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0B23

Manual Integrations
 APPROVED

Sohil
 8/29/2017 6:02:31 PM

Quant Time: Aug 29 15:29:35 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 29 03:57:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	52085	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	211762	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	136114	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	311697m	20.00	ng/ul	0.01
75) Chrysene-d12	22.05	240	389354	20.00	ng/ul	0.02
83) Perylene-d12	25.58	264	376391m	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.82	96	5595	5.00	ng/uL	0.00
5) Phenol-d5	7.50	99	146680	25.64	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.66	67	94350	26.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	114142	31.63	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	125224	26.19	ng/ul	0.01
19) Nitrobenzene-d5	9.52	128	57758	34.88	ng/ul	0.02
22) 2-Nitrophenol-d4	10.24	143	66956	36.88	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.79	165	132213	35.20	ng/ul	0.01
29) 4-Chloroaniline-d4	11.30	131	99233	23.73	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	392930	32.46	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	472442	34.61	ng/ul	0.01
51) 4-Nitrophenol-d4	15.16	143	50584	26.28	ng/ul	0.02
57) Fluorene-d10	15.95	176	338787	31.19	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	16.08	200	17608	8.70	ng/ul	0.02
70) Anthracene-d10	17.81	188	545774	36.52	ng/ul	0.01
76) Pyrene-d10	20.09	212	642410	32.17	ng/ul	0.02
87) Benzo(a)pyrene-d12	25.34	264	626485m	35.55	ng/ul	0.06

Target Compounds

					Ovalue	
6) Phenol	7.53	94	12347	2.172	ng/ul	96
28) Naphthalene	11.22	128	37020	3.530	ng/ul	95
34) 2-Methylnaphthalene	12.80	142	62067	7.368	ng/ul	95
44) Dimethylphthalate	14.39	163	95623	8.578	ng/ul	99
47) Acenaphthylene	14.69	152	40834	3.130	ng/ul	98
58) Fluorene	16.00	166	18939	1.667	ng/ul#	80
69) Phenanthrene	17.75	178	255218	16.270	ng/ul	97
71) Anthracene	17.84	178	33708m	2.103	ng/ul	
74) Fluoranthene	19.75	202	407216	21.361	ng/ul	97
77) Pyrene	20.12	202	775945	33.404	ng/ul	99
80) Benzo(a)anthracene	22.03	228	332242	14.769	ng/ul#	91
82) Chrysene	22.10	228	440911	21.762	ng/ul#	91
85) Benzo(b)fluoranthene	24.45	252	325724m	14.461	ng/ul	
86) Benzo(k)fluoranthene	24.49	252	144974m	6.589	ng/ul	
88) Benzo(a)pyrene	25.41	252	360893m	16.549	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.63	276	177102m	6.935	ng/ul	
90) Dibenzo(a,h)anthracene	29.69	278	46978m	2.195	ng/ul	
91) Benzo(g,h,i)perylene	30.92	276	157869m	7.514	ng/ul	

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

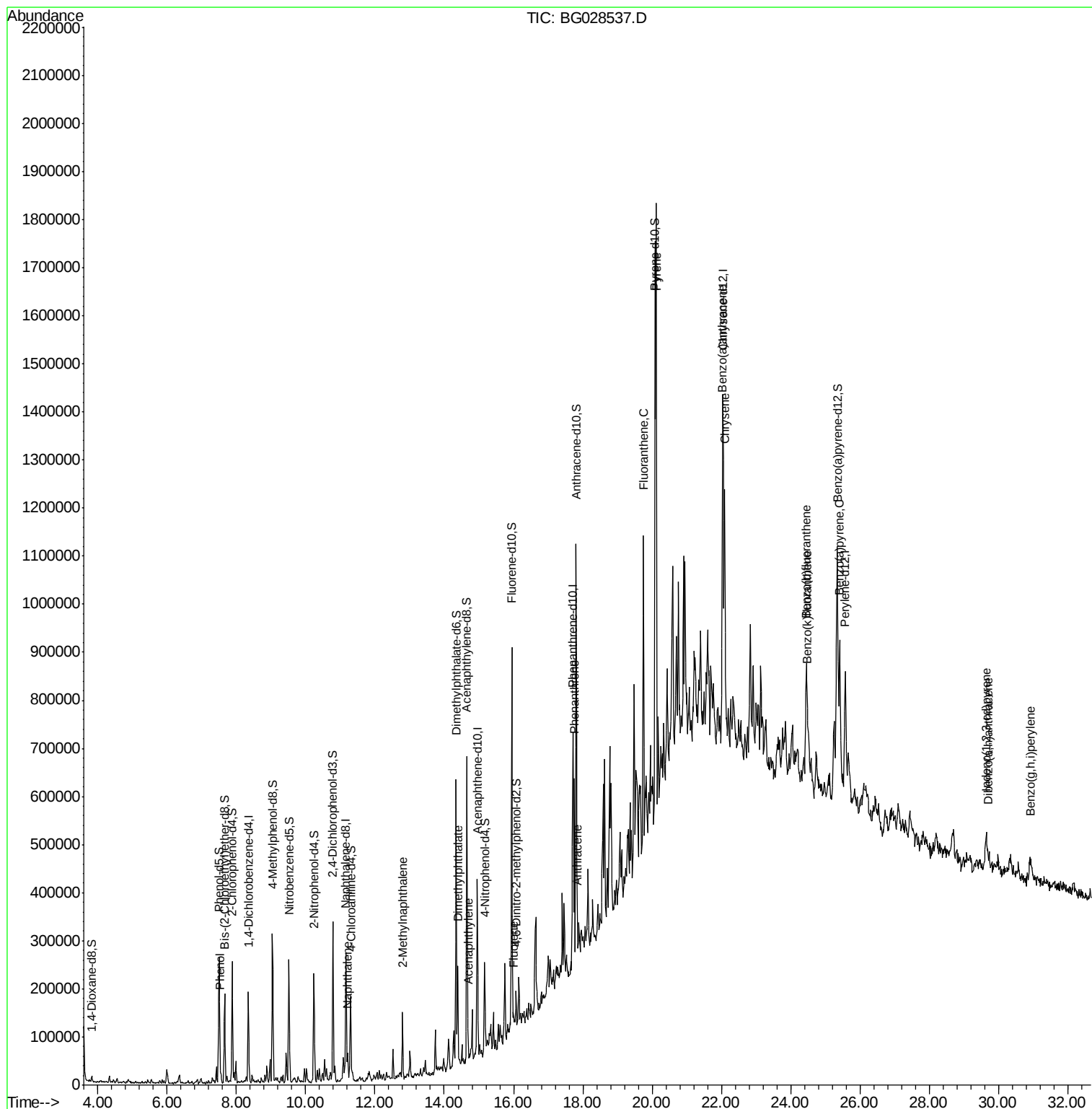
Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028537.D
Acq On : 29 Aug 2017 3:07
Operator : SJ/JU
Sample : I4905-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

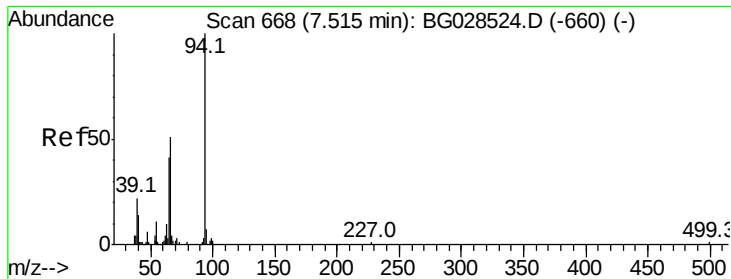
Instrument :
BNA_G
ClientSampleId :
B0B23

Manual Integrations
APPROVED

Sohil
8/29/2017 6:02:31 PM

Quant Time: Aug 29 15:29:35 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 29 03:57:40 2017
Response via : Initial Calibration





#6

Phenol

Concen: 2.172 ng/ul

RT: 7.53 min Scan# 670

Delta R.T. 0.01 min

Lab File: BG028537.D

Acq: 29 Aug 2017 3:07

Instrument :

BNA_G

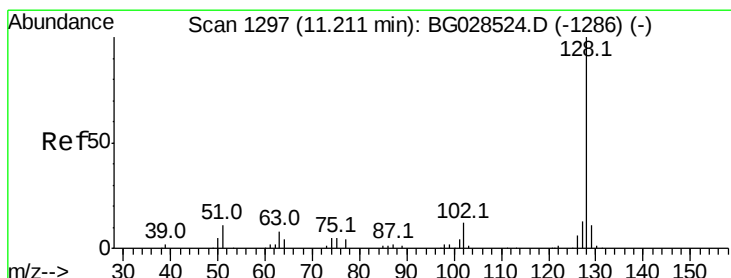
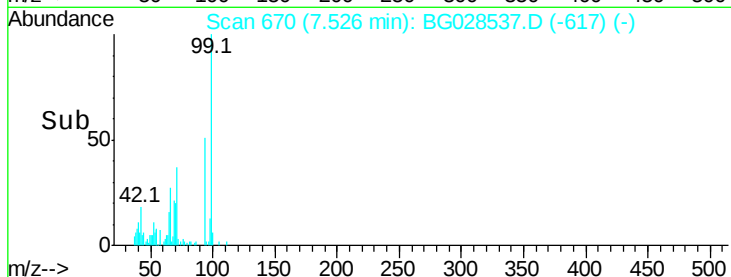
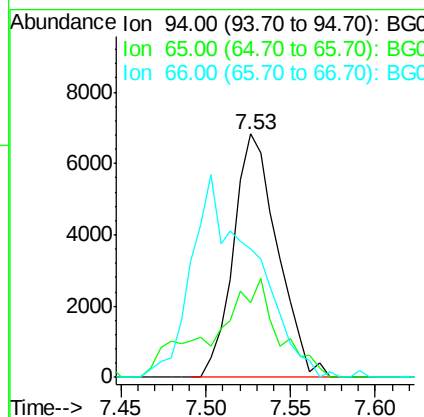
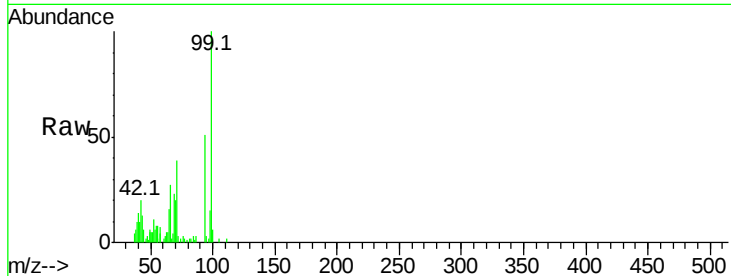
ClientSampleId :

B0B23

Tot Ion:	94	Resp:	12347
Ion Ratio	Lower	Upper	
94	100		
65	30.8	26.8	40.2
66	52.9	44.4	66.6

Manual Integrations
APPROVED

Sohil
8/29/2017 6:02:31 PM



#28

Naphthalene

Concen: 3.530 ng/ul

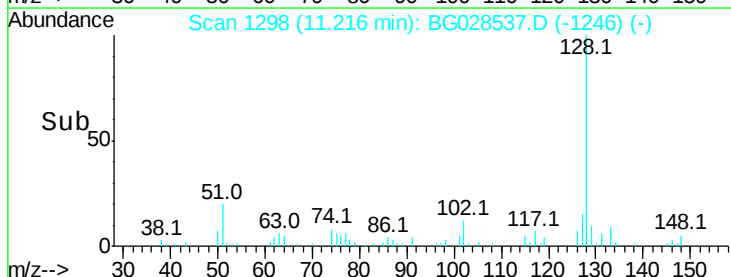
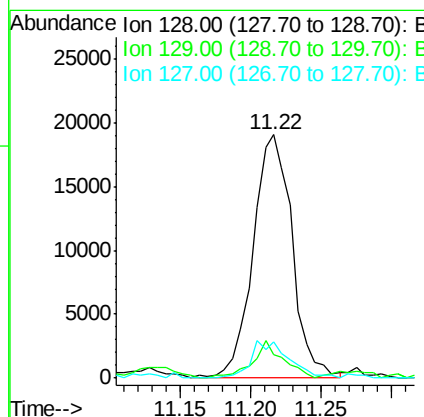
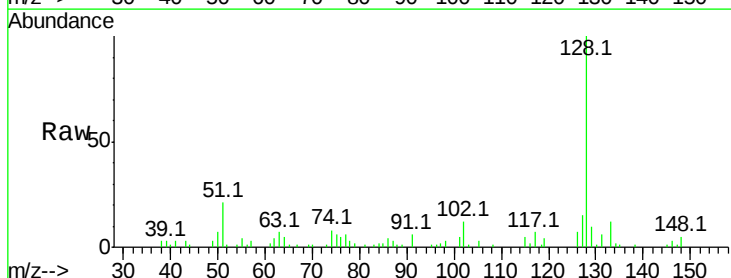
RT: 11.22 min Scan# 1298

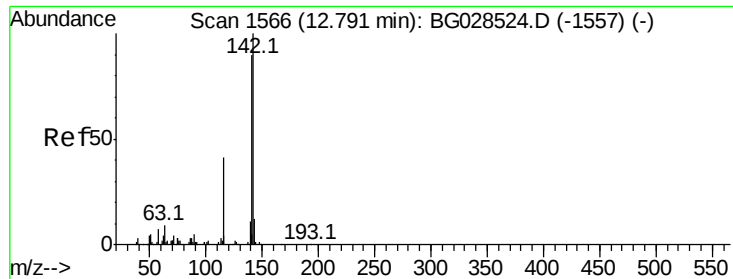
Delta R.T. 0.01 min

Lab File: BG028537.D

Acq: 29 Aug 2017 3:07

Tgt Ion:	128	Resp:	37020
Ion Ratio	Lower	Upper	
128	100		
129	9.5	9.4	14.2
127	14.9	10.3	15.5





#34

2-Methylnaphthalene

Concen: 7.368 ng/ul

RT: 12.80 min Scan# 1567

Delta R.T. 0.01 min

Lab File: BG028537.D

Acq: 29 Aug 2017 3:07

Instrument :

BNA_G

ClientSampleId :

B0B23

Tot Ion:142 Resp: 62067

Ion Ratio Lower Upper

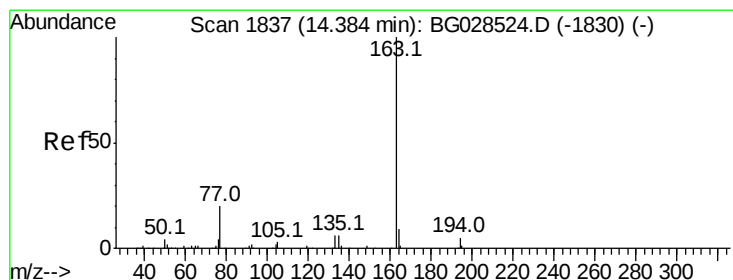
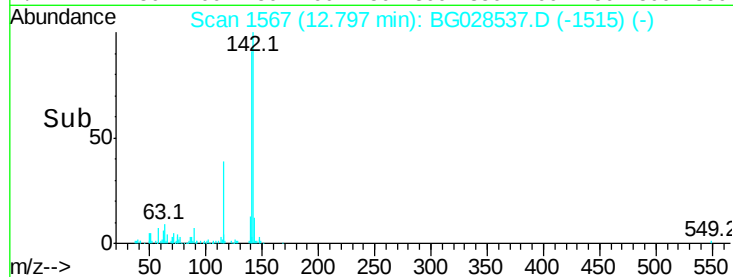
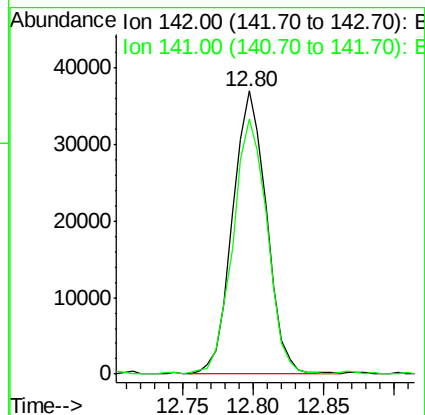
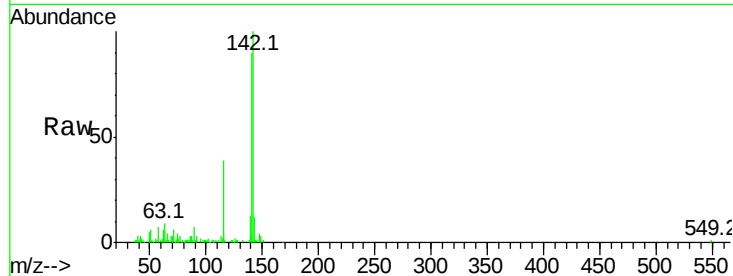
142 100

141 90.3 68.6 102.8

Manual Integrations
APPROVED

Sohil

8/29/2017 6:02:31 PM



#44

Dimethylphthalate

Concen: 8.578 ng/ul

RT: 14.39 min Scan# 1838

Delta R.T. 0.01 min

Lab File: BG028537.D

Acq: 29 Aug 2017 3:07

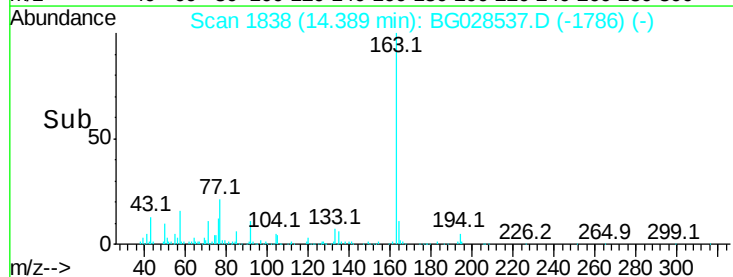
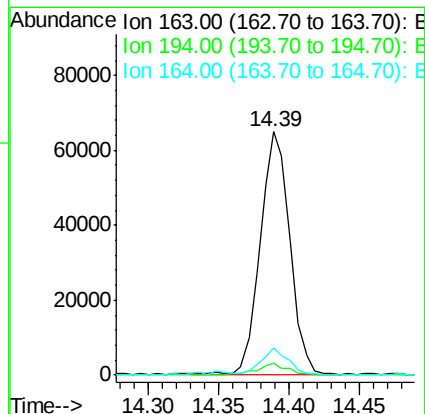
Tgt Ion:163 Resp: 95623

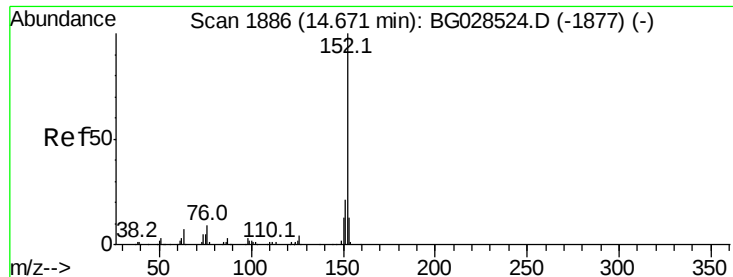
Ion Ratio Lower Upper

163 100

194 5.0 3.4 5.0

164 11.1 9.0 13.4





#47

Acenaphthylene

Concen: 3.130 ng/ul

RT: 14.69 min Scan# 1889

Delta R.T. 0.02 min

Lab File: BG028537.D

Acq: 29 Aug 2017 3:07

Instrument :

BNA_G

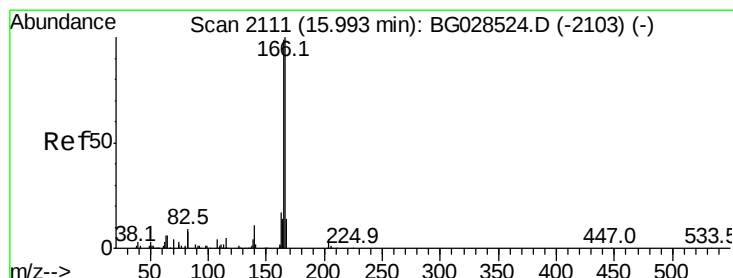
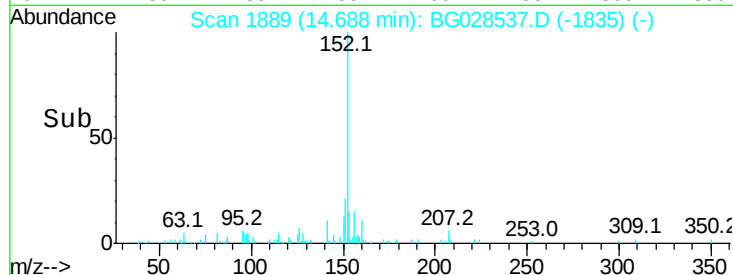
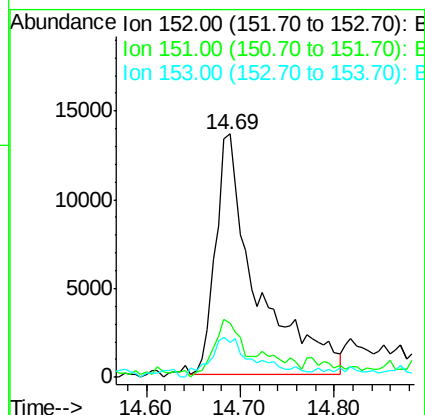
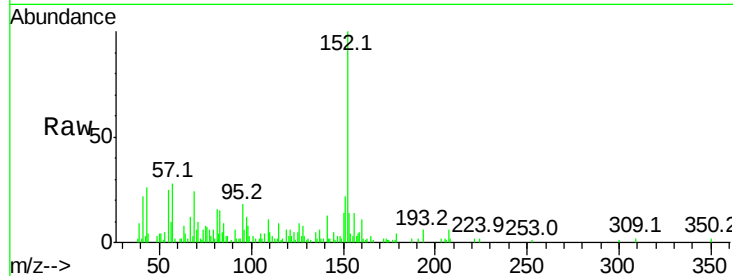
ClientSampleId :

B0B23

Tot Ion:	152	Resp:	40834
Ion Ratio	Lower	Upper	
152	100		
151	22.2	16.7	25.1
153	14.4	11.4	17.2

Manual Integrations
APPROVED

Sohil
8/29/2017 6:02:31 PM



#58

Fluorene

Concen: 1.667 ng/ul

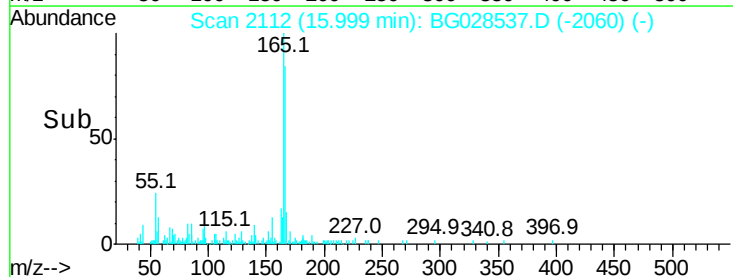
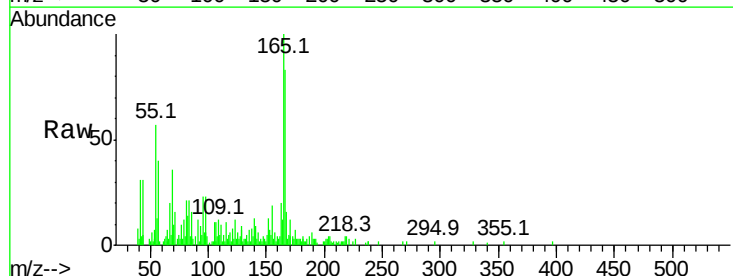
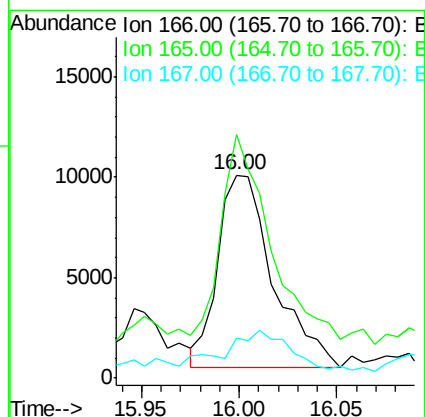
RT: 16.00 min Scan# 2112

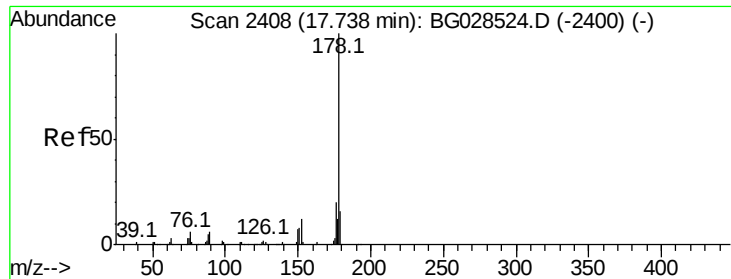
Delta R.T. 0.01 min

Lab File: BG028537.D

Acq: 29 Aug 2017 3:07

Tgt Ion:	166	Resp:	18939
Ion Ratio	Lower	Upper	
166	100		
165	120.1	79.7	119.5#
167	19.6	11.4	17.2#





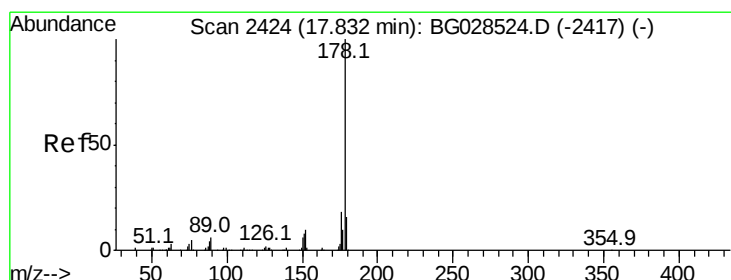
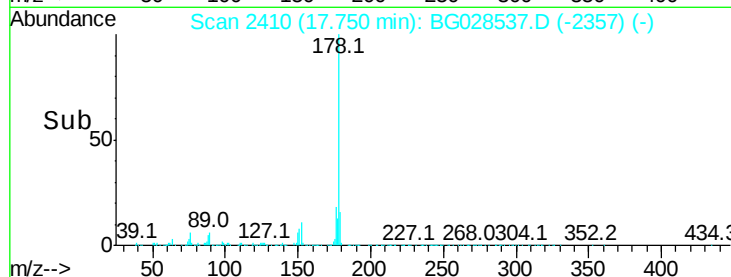
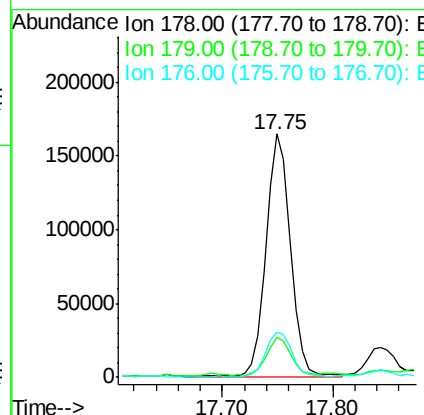
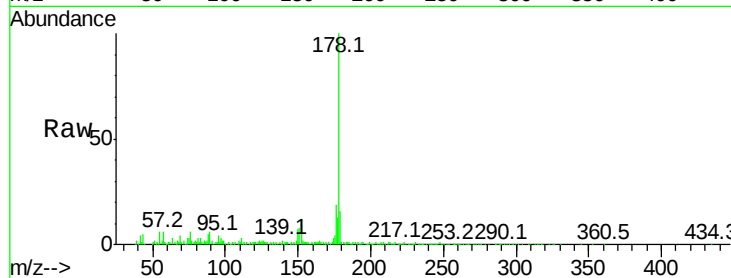
#69
 Phenanthrene
 Concen: 16.270 ng/ul
 RT: 17.75 min Scan# 2410
 Delta R.T. 0.01 min
 Lab File: BG028537.D
 Acq: 29 Aug 2017 3:07

Instrument :
 BNA_G
 ClientSampleId :
 B0B23

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.4	18.6
176	18.8	16.5	24.7

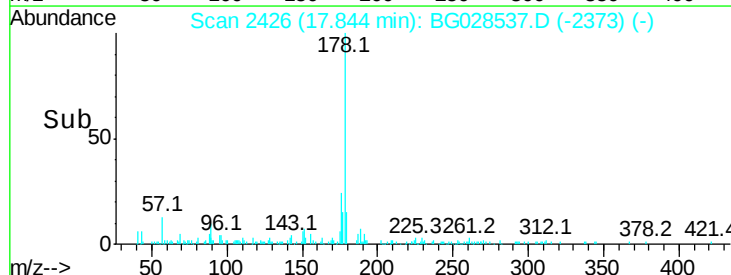
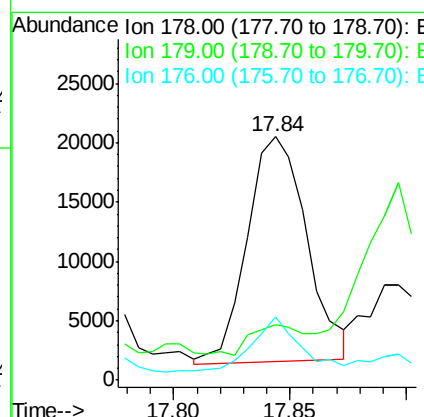
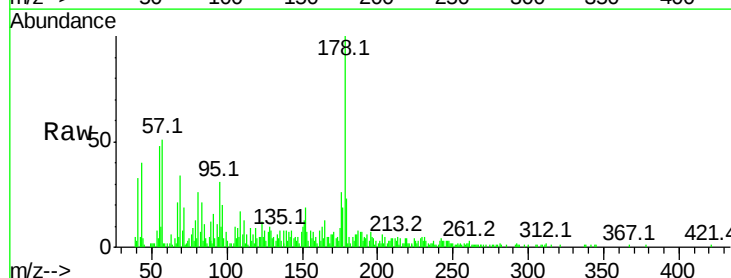
Manual Integrations
 APPROVED

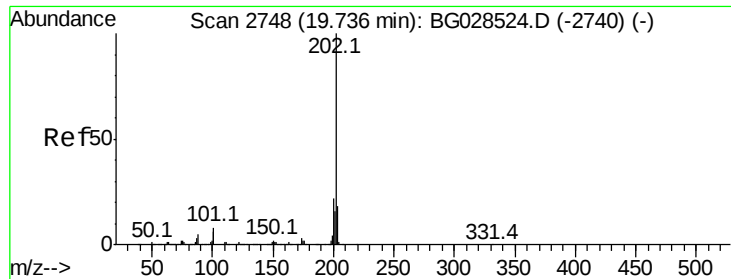
Sohil
 8/29/2017 6:02:31 PM



#71
 Anthracene
 Concen: 2.103 ng/ul m
 RT: 17.84 min Scan# 2426
 Delta R.T. 0.01 min
 Lab File: BG028537.D
 Acq: 29 Aug 2017 3:07

Tgt Ion	Ratio	Lower	Upper
178	100		
179	22.5	12.6	19.0#
176	25.7	15.9	23.9#





#74

Fluoranthene

Concen: 21.361 ng/ul

RT: 19.75 min Scan# 2751

Delta R.T. 0.02 min

Lab File: BG028537.D

Acq: 29 Aug 2017 3:07

Instrument :

BNA_G

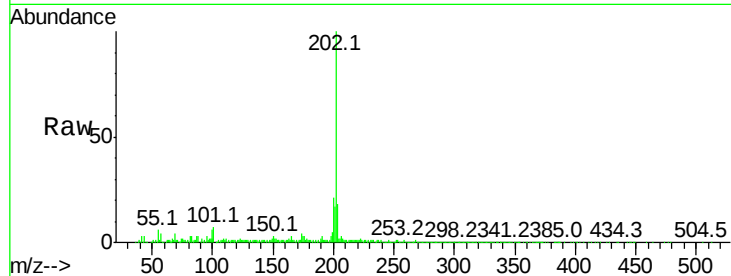
ClientSampleId :

B0B23

Tot Ion	Ratio	Resp	Lower	Upper
202	100	407216		
101	6.7		6.2	9.2
100	5.8		5.2	7.8

Manual Integrations
APPROVED

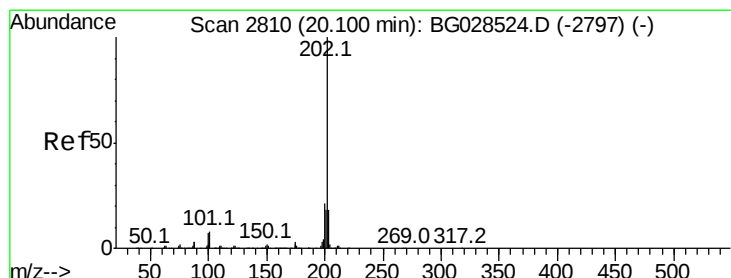
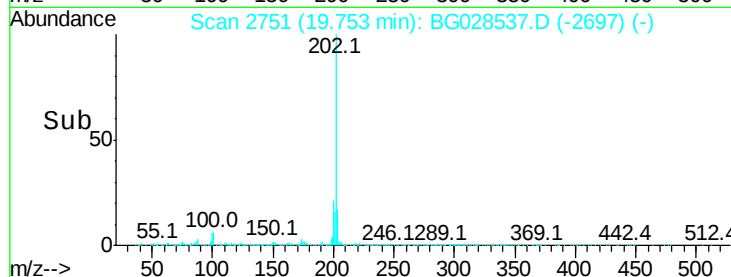
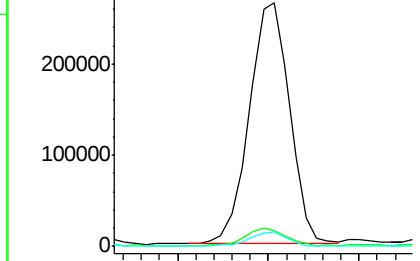
Sohil
8/29/2017 6:02:31 PM



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): B



#77

Pyrene

Concen: 33.404 ng/ul

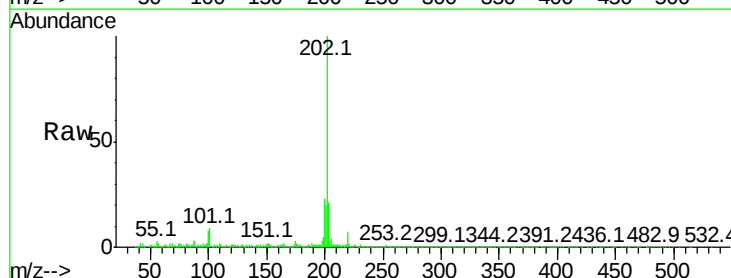
RT: 20.12 min Scan# 2813

Delta R.T. 0.02 min

Lab File: BG028537.D

Acq: 29 Aug 2017 3:07

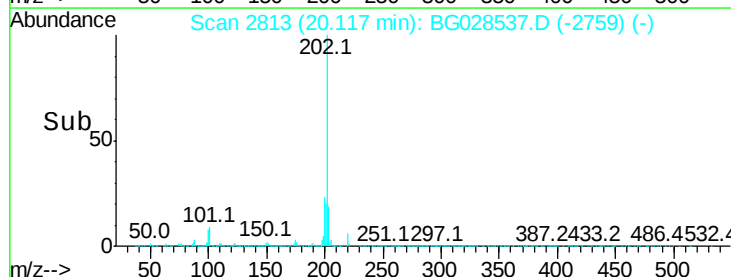
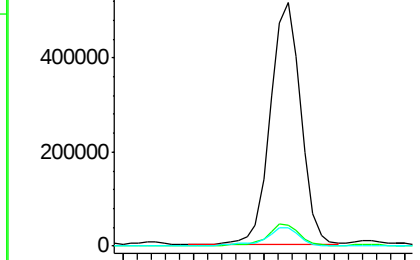
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	775945		
101	8.8		6.9	10.3
100	7.7		6.6	10.0

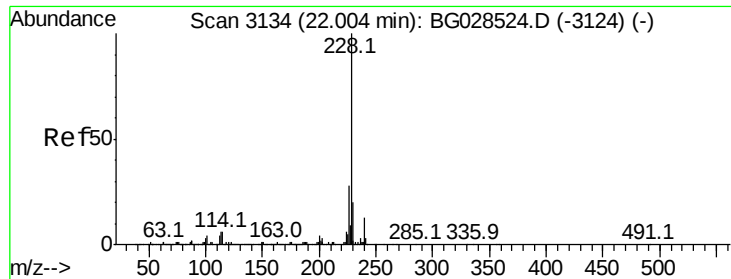


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 14.769 ng/ul

RT: 22.03 min Scan# 3138

Delta R.T. 0.02 min

Lab File: BG028537.D

Acq: 29 Aug 2017 3:07

Instrument :

BNA_G

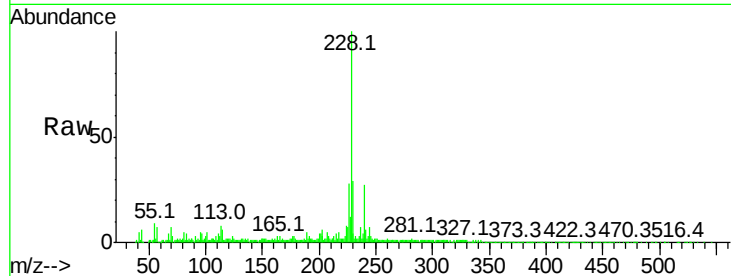
ClientSampled :

B0B23

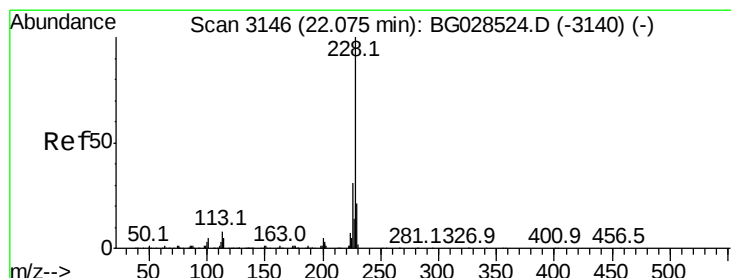
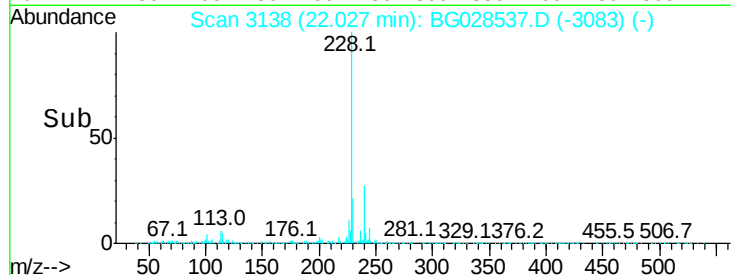
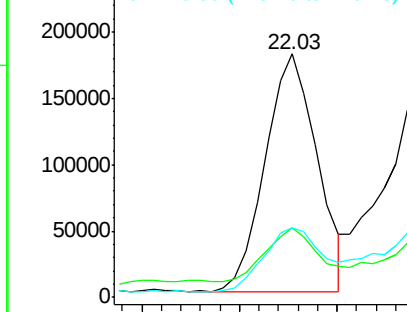
Tot Ion:	228	Resp:	332242
Ion Ratio	Lower	Upper	
228	100		
229	28.7	16.3	24.5#
226	28.4	21.9	32.9

Manual Integrations
APPROVED

Sohil
8/29/2017 6:02:31 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 21.762 ng/ul

RT: 22.10 min Scan# 3150

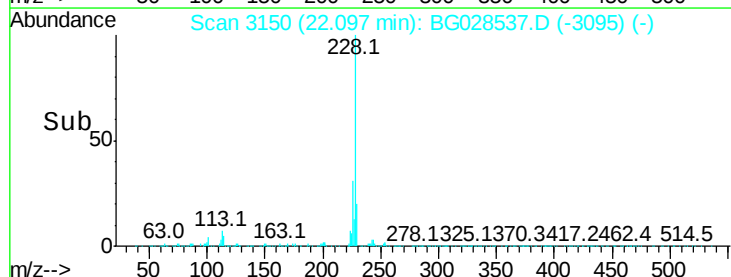
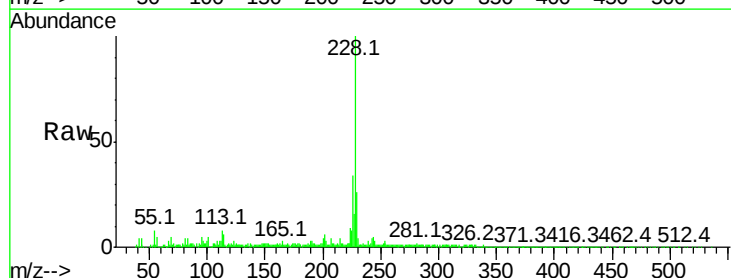
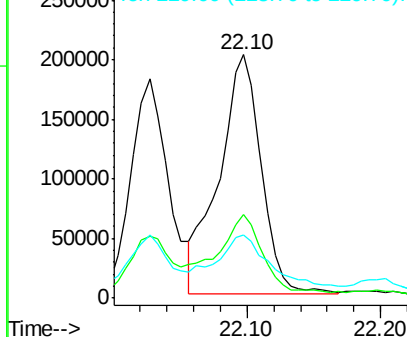
Delta R.T. 0.02 min

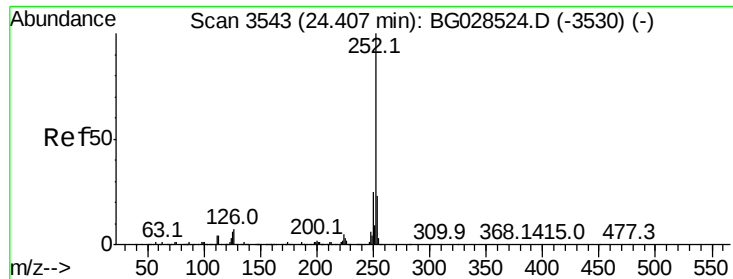
Lab File: BG028537.D

Acq: 29 Aug 2017 3:07

Tgt Ion:	228	Resp:	440911
Ion Ratio	Lower	Upper	
228	100		
226	34.1	24.0	36.0
229	26.1	16.9	25.3#

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 14.461 ng/ul m

RT: 24.45 min Scan# 3550

Delta R.T. 0.04 min

Lab File: BG028537.D

Acq: 29 Aug 2017 3:07

Instrument :

BNA_G

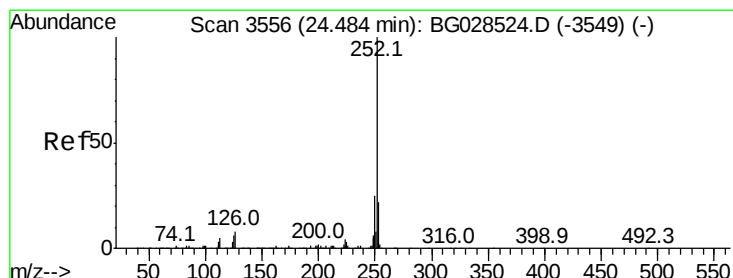
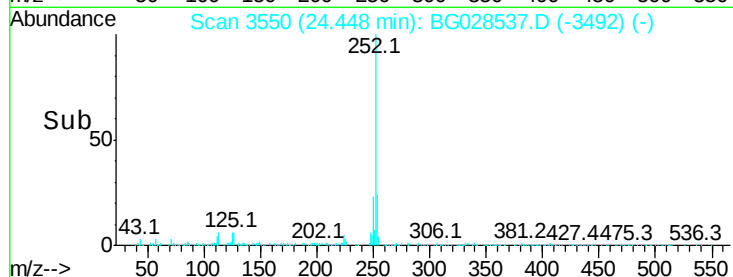
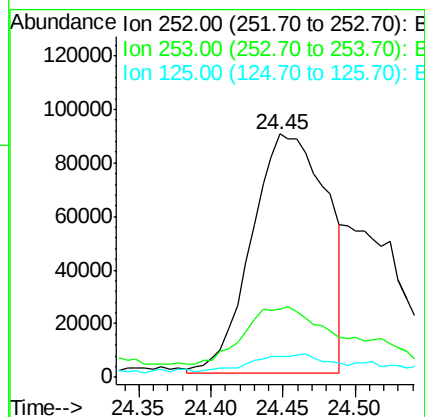
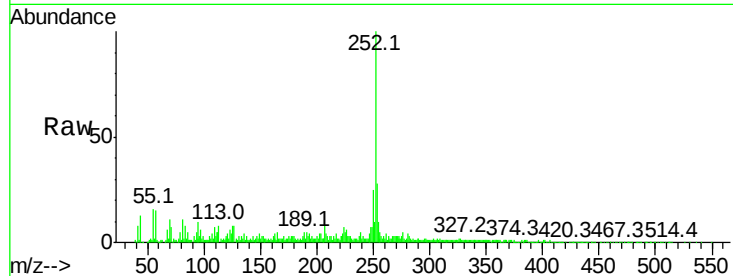
ClientSampleId :

B0B23

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	27.9	17.7	26.5#	
125	8.5	4.0	6.0#	

Manual Integrations
APPROVED

Sohil
8/29/2017 6:02:31 PM



#86

Benzo(k)fluoranthene

Concen: 6.589 ng/ul m

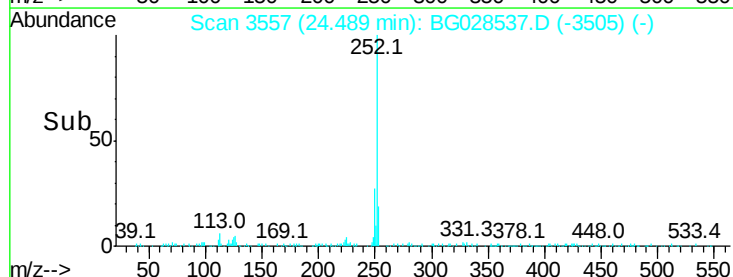
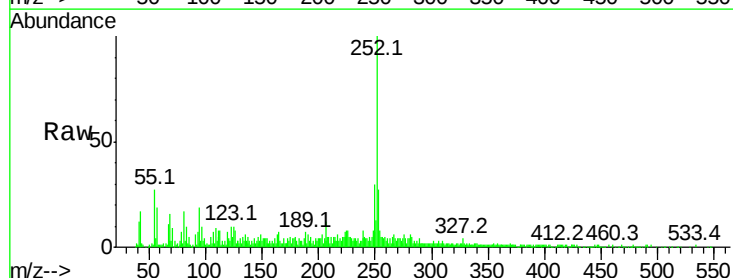
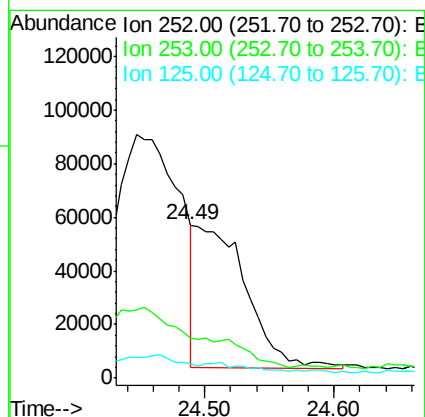
RT: 24.49 min Scan# 3557

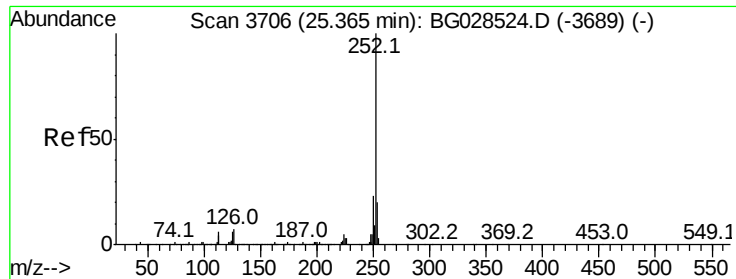
Delta R.T. 0.01 min

Lab File: BG028537.D

Acq: 29 Aug 2017 3:07

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	26.6	18.5	27.7	
125	9.8	4.1	6.1#	





#88

Benzo(a)pyrene

Concen: 16.549 ng/ul m

RT: 25.41 min Scan# 3714

Delta R.T. 0.05 min

Lab File: BG028537.D

Acq: 29 Aug 2017 3:07

Instrument :

BNA_G

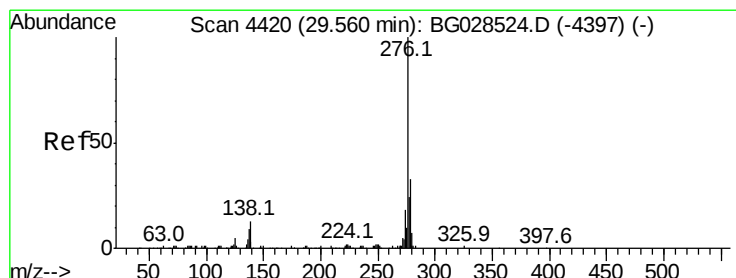
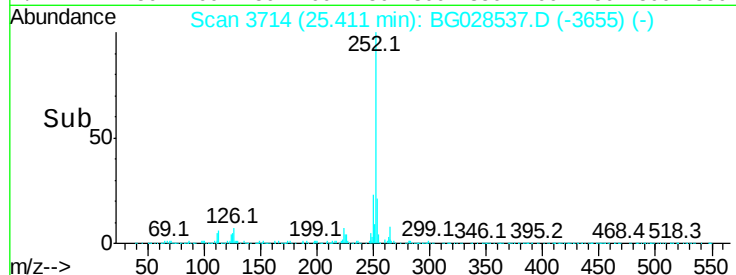
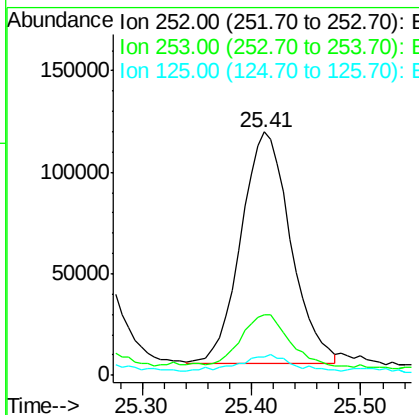
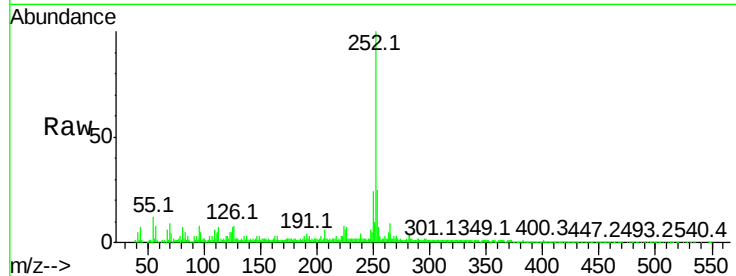
ClientSampleId :

B0B23

Tot Ion:	252	Resp:	360893
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.8	26.6
125	7.4	5.4	8.0

Manual Integrations
APPROVED

Sohil
8/29/2017 6:02:31 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 6.935 ng/ul m

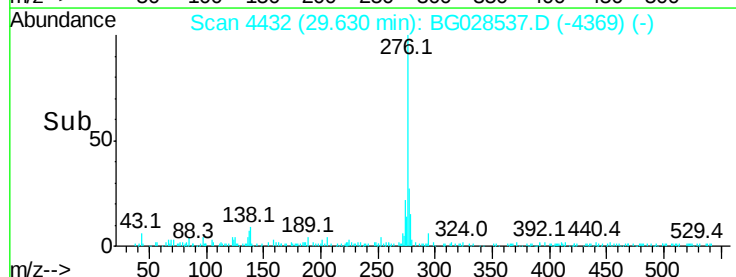
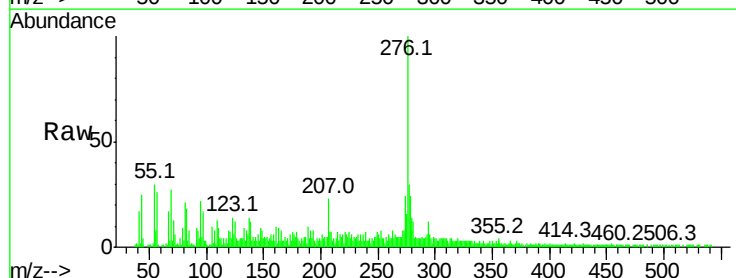
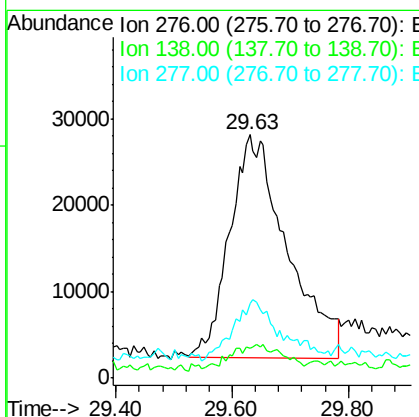
RT: 29.63 min Scan# 4432

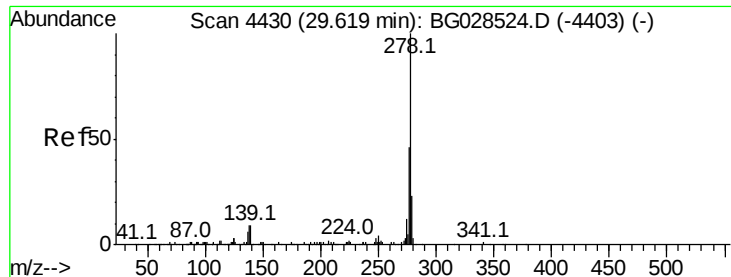
Delta R.T. 0.07 min

Lab File: BG028537.D

Acq: 29 Aug 2017 3:07

Tgt Ion:	276	Resp:	177102
Ion Ratio	Lower	Upper	
276	100		
138	12.3	8.2	12.4
277	30.4	18.6	28.0#





#90

Dibenzo(a,h)anthracene

Concen: 2.195 ng/ul m

RT: 29.69 min Scan# 4442

Delta R.T. 0.07 min

Lab File: BG028537.D

Acq: 29 Aug 2017 3:07

Instrument :

BNA_G

ClientSampleId :

B0B23

Tot Ion:278 Resp: 46978

Ion Ratio Lower Upper

278 100

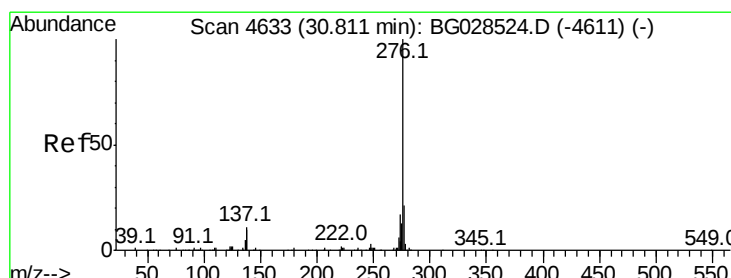
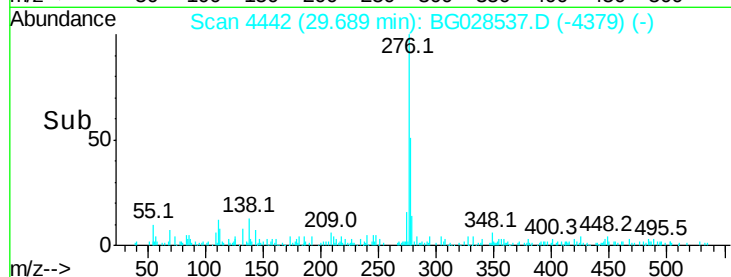
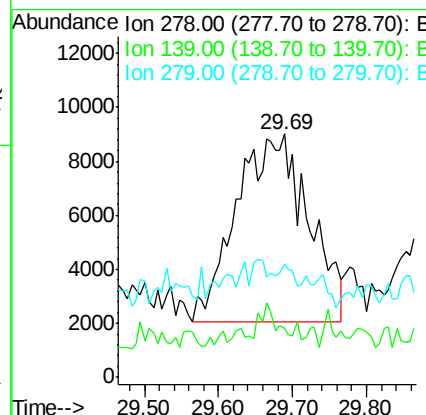
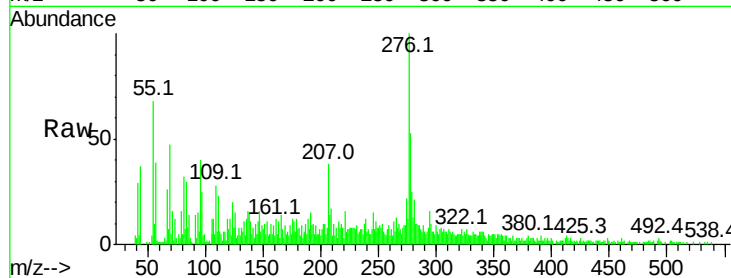
139 20.1 6.7 10.1#

279 46.7 20.9 31.3#

Manual Integrations
APPROVED

Sohil

8/29/2017 6:02:31 PM



#91

Benzo(g,h,i)perylene

Concen: 7.514 ng/ul m

RT: 30.92 min Scan# 4652

Delta R.T. 0.11 min

Lab File: BG028537.D

Acq: 29 Aug 2017 3:07

Tgt Ion:276 Resp: 157869

Ion Ratio Lower Upper

276 100

138 12.5 8.6 12.8

277 25.0 17.6 26.4

