

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
 Data File : BG028534.D
 Acq On : 29 Aug 2017 1:09
 Operator : SJ/JU
 Sample : I4905-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AY0

Manual Integrations
 APPROVED

Sohil
 8/29/2017 6:02:17 PM

Quant Time: Aug 29 06:31:54 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	38477	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	160747	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	110030	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	268657	20.00	ng/ul	0.00
75) Chrysene-d12	22.04	240	330519	20.00	ng/ul	0.01
83) Perylene-d12	25.55	264	319954	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.83	96	4702	5.69	ng/uL	0.00
5) Phenol-d5	7.50	99	129423	30.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	82305	30.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	95777	35.93	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	107594	30.46	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	51387	40.88	ng/ul	0.00
22) 2-Nitrophenol-d4	10.24	143	59033	42.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	115946	40.66	ng/ul	0.00
29) 4-Chloroaniline-d4	11.29	131	110569	34.84	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	380062	38.84	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	444409	40.28	ng/ul	0.00
51) 4-Nitrophenol-d4	15.16	143	51388	33.02	ng/ul	0.02
57) Fluorene-d10	15.94	176	328495	37.42	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	45194	25.90	ng/ul	0.01
70) Anthracene-d10	17.80	188	521918	40.51	ng/ul	0.00
76) Pyrene-d10	20.08	212	626752	36.98	ng/ul	0.01
87) Benzo(a)pyrene-d12	25.32	264	628046	41.93	ng/ul	0.04

Target Compounds

					Ovalue
6) Phenol	7.52	94	11126	2.649 ng/ul#	92
28) Naphthalene	11.22	128	24380	3.062 ng/ul	98
34) 2-Methylnaphthalene	12.79	142	8481m	1.326 ng/ul	
44) Dimethylphthalate	14.38	163	110848	12.302 ng/ul	98
47) Acenaphthylene	14.68	152	47214	4.478 ng/ul	96
49) Acenaphthene	15.02	153	8278	1.164 ng/ul	92
53) Dibenzofuran	15.35	168	31979	3.083 ng/ul	98
58) Fluorene	15.99	166	30811	3.355 ng/ul	100
69) Phenanthrene	17.75	178	849951	62.865 ng/ul	98
71) Anthracene	17.84	178	135900	9.835 ng/ul	98
72) Carbazole	18.11	167	73556	6.121 ng/ul	98
74) Fluoranthene	19.75	202	1484473	90.345 ng/ul	99
77) Pyrene	20.11	202	1246475	63.212 ng/ul	98
80) Benzo(a)anthracene	22.02	228	785316	41.122 ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.87	149	24746	2.355 ng/ul#	88
82) Chrysene	22.09	228	740978	43.082 ng/ul	98
85) Benzo(b)fluoranthene	24.44	252	773101	40.378 ng/ul	97
86) Benzo(k)fluoranthene	24.49	252	321762m	17.204 ng/ul	
88) Benzo(a)pyrene	25.39	252	573704	30.947 ng/ul	99
89) Indeno(1,2,3-cd)pyrene	29.58	276	278493m	12.829 ng/ul	
90) Dibenzo(a,h)anthracene	29.62	278	84557	4.647 ng/ul	98
91) Benzo(a,h,i)perylene	30.85	276	164718	9.223 ng/ul	98

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028534.D
Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B0AY0

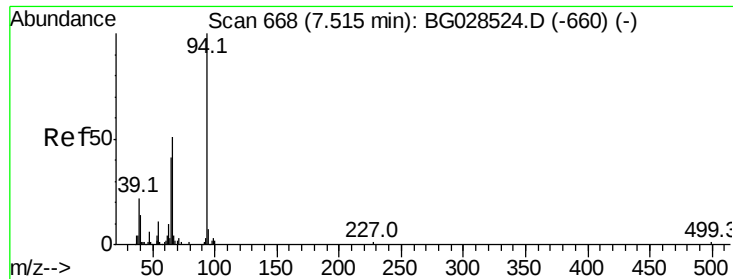
Manual Integrations
APPROVED

Sohil
8/29/2017 6:02:17 PM

Quant Time: Aug 29 06:31:54 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)
--------------------	------	------	----------	------	-------	----------

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



#6

Phenol

Concen: 2.649 ng/ul

RT: 7.52 min Scan# 669

Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Instrument :

BNA_G

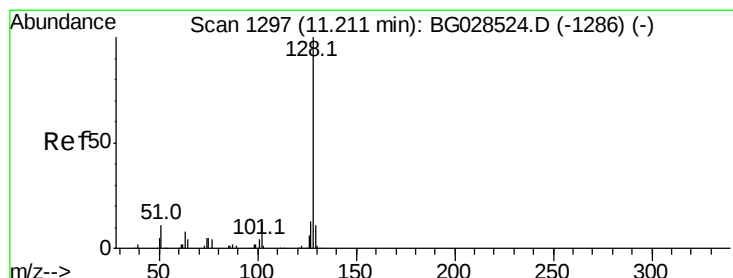
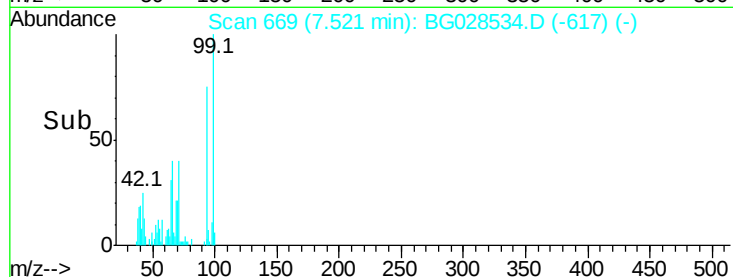
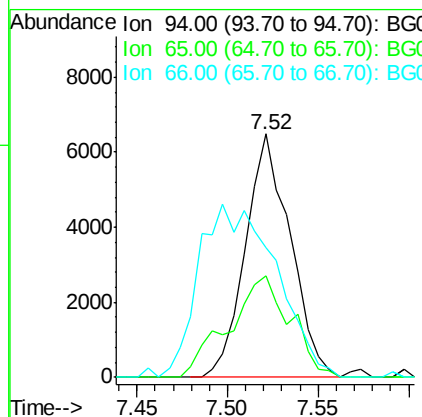
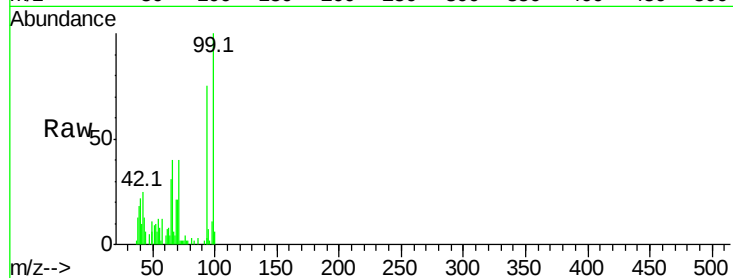
ClientSampleId :

B0AY0

Tot Ion:	94	Resp:	11126
Ion Ratio	Lower	Upper	
94	100		
65	41.9	26.8	40.2#
66	53.1	44.4	66.6

Manual Integrations
APPROVED

Sohil
8/29/2017 6:02:17 PM



#28

Naphthalene

Concen: 3.062 ng/ul

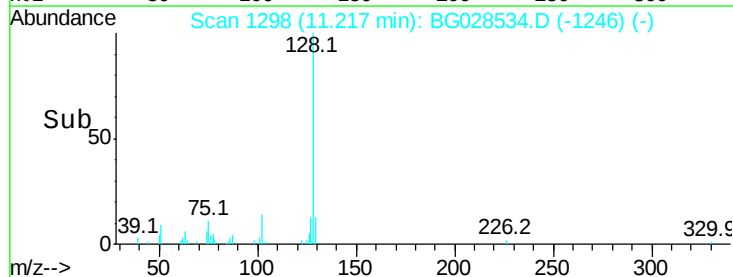
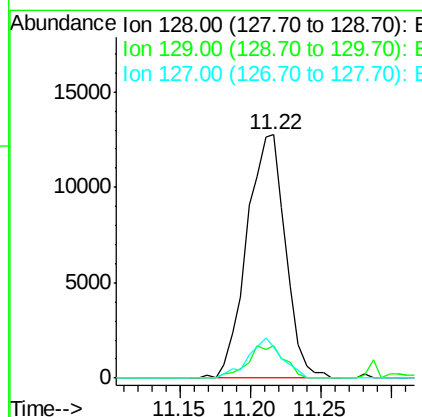
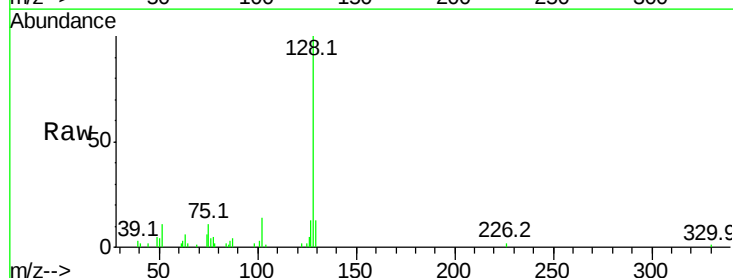
RT: 11.22 min Scan# 1298

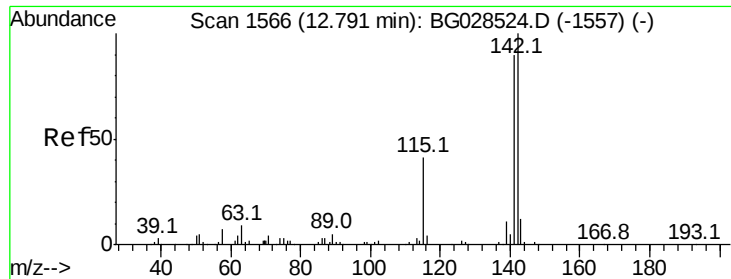
Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Tgt Ion:	128	Resp:	24380
Ion Ratio	Lower	Upper	
128	100		
129	13.1	9.4	14.2
127	12.8	10.3	15.5





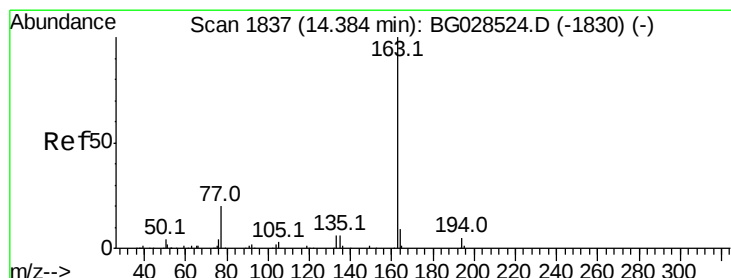
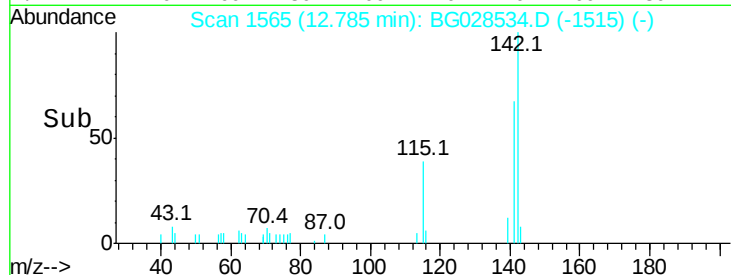
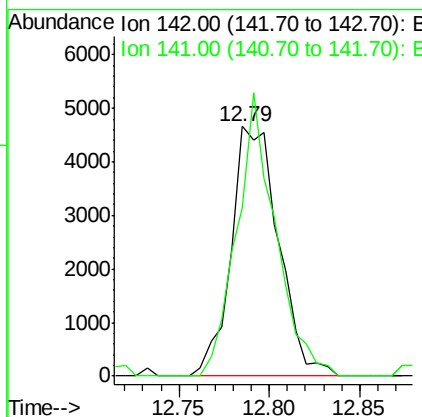
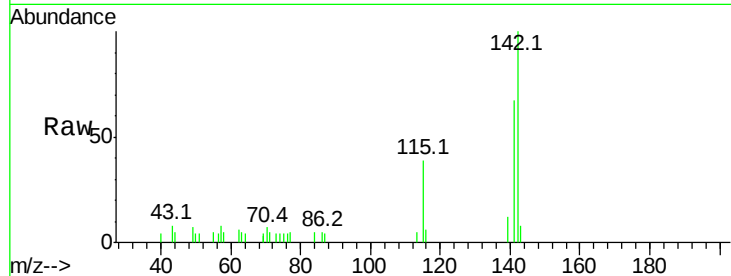
#34
 2-Methylnaphthalene
 Concen: 1.326 ng/ul m
 RT: 12.79 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BG028534.D
 Acq: 29 Aug 2017 1:09

Instrument :
 BNA_G
 ClientSampleId :
 B0AY0

Tot Ion	Ratio	Lower	Upper
142	100		
141	67.1	68.6	102.8#

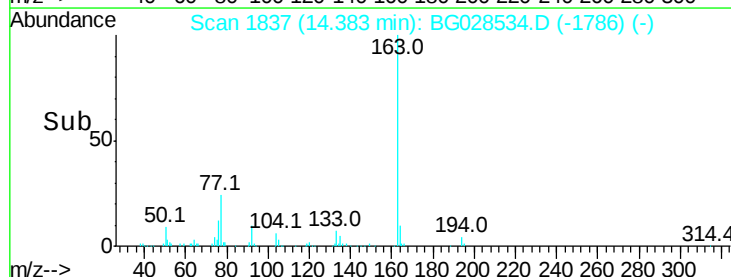
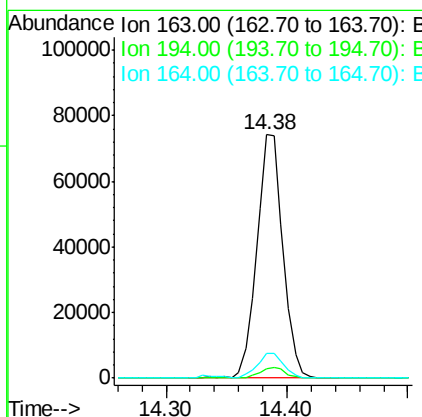
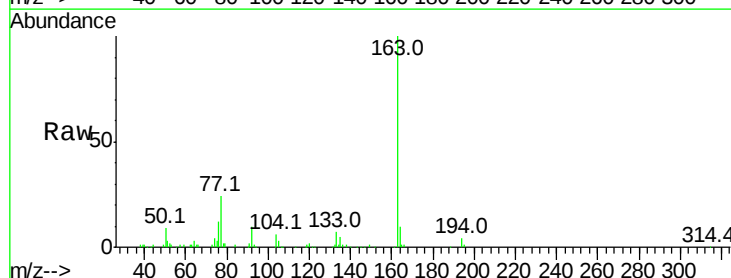
Manual Integrations
 APPROVED

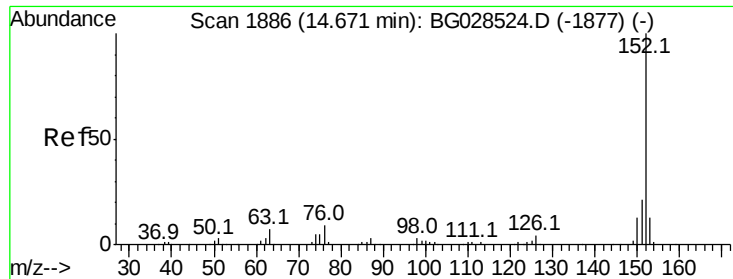
Sohil
 8/29/2017 6:02:17 PM



#44
 Dimethylphthalate
 Concen: 12.302 ng/ul
 RT: 14.38 min Scan# 1837
 Delta R.T. -0.00 min
 Lab File: BG028534.D
 Acq: 29 Aug 2017 1:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.3	9.0	13.4





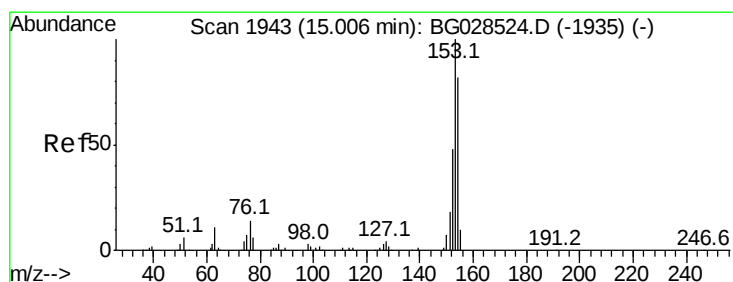
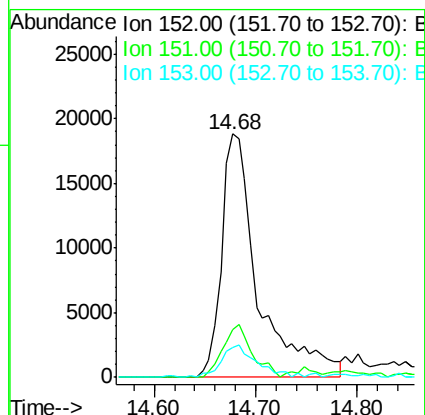
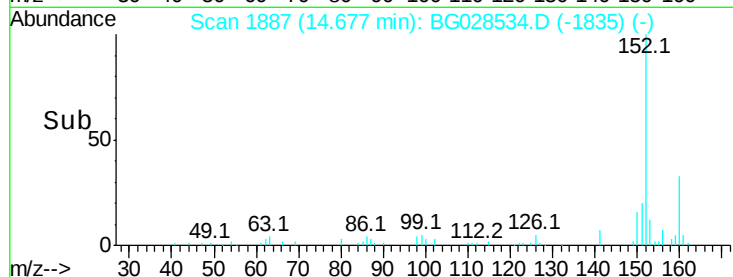
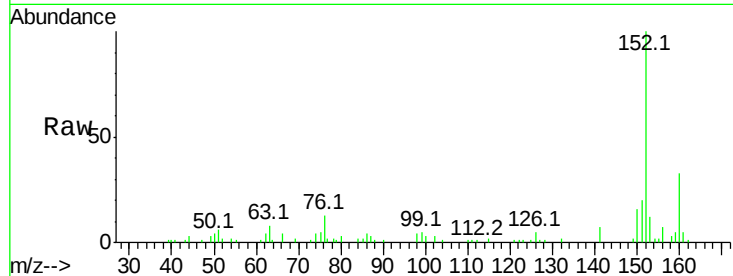
#47
Acenaphthylene
Concen: 4.478 ng/ul
RT: 14.68 min Scan# 1887
Delta R.T. 0.01 min
Lab File: BG028534.D
Acq: 29 Aug 2017 1:09

Instrument :
BNA_G
ClientSampled :
B0AY0

Tot Ion:	152	Resp:	47214
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.7	25.1
153	12.1	11.4	17.2

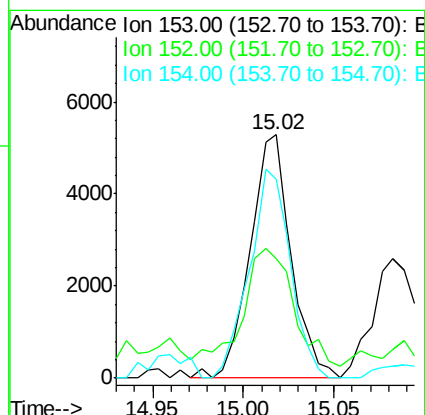
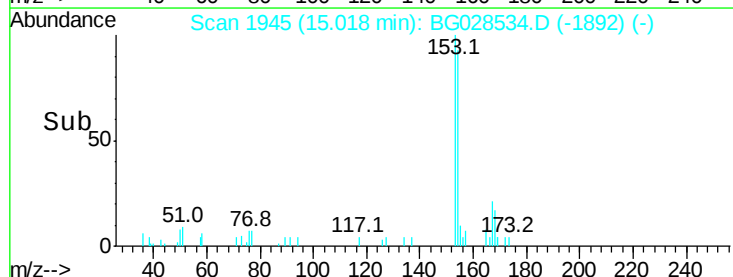
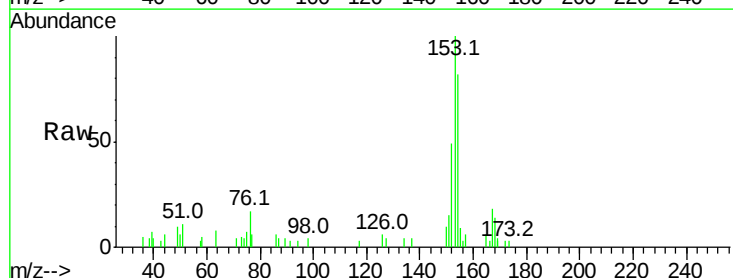
Manual Integrations
APPROVED

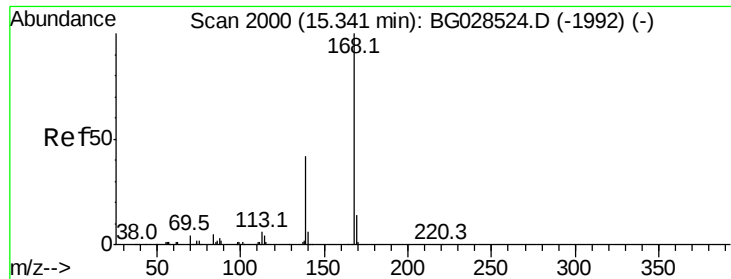
Sohil
8/29/2017 6:02:17 PM



#49
Acenaphthene
Concen: 1.164 ng/ul
RT: 15.02 min Scan# 1945
Delta R.T. 0.01 min
Lab File: BG028534.D
Acq: 29 Aug 2017 1:09

Tgt Ion:	153	Resp:	8278
Ion Ratio	Lower	Upper	
153	100		
152	49.0	36.5	54.7
154	81.7	72.3	108.5





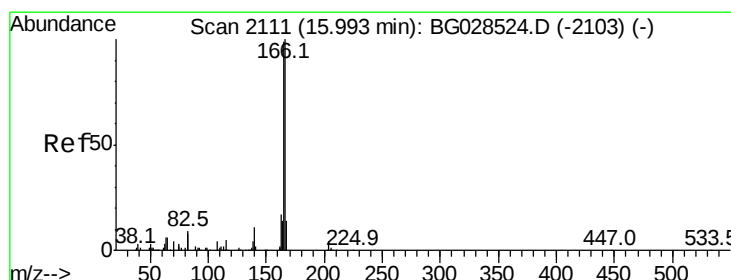
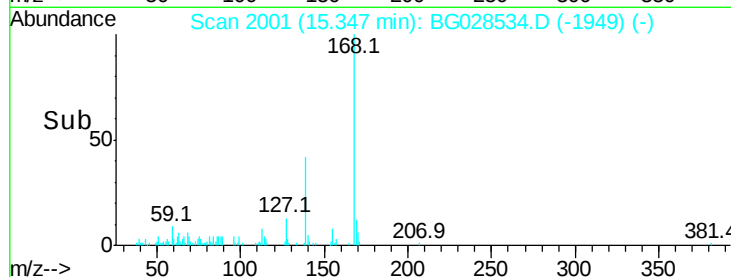
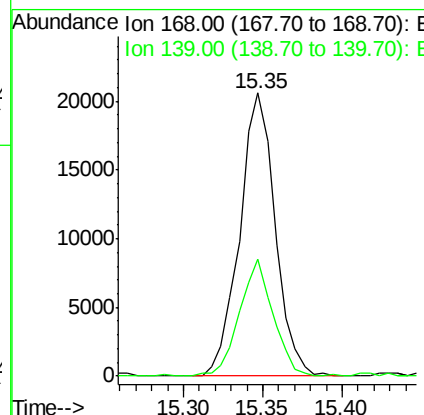
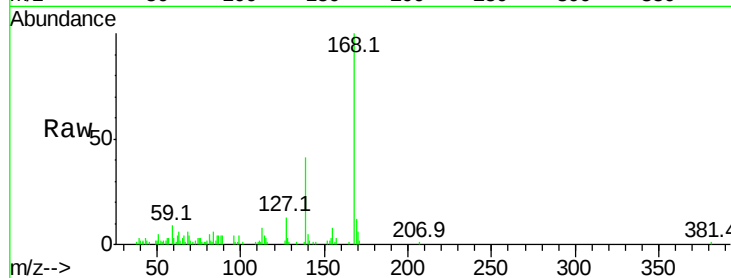
#53
Dibenzenofuran
Concen: 3.083 ng/ul
RT: 15.35 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BG028534.D
Acq: 29 Aug 2017 1:09

Instrument :
BNA_G
ClientSampleId :
B0AY0

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.3	33.8	50.8

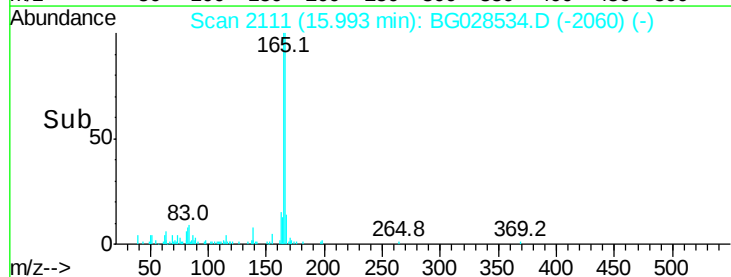
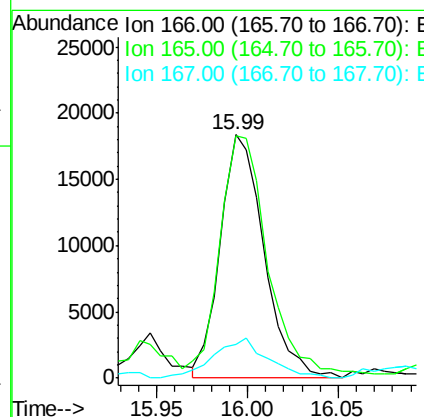
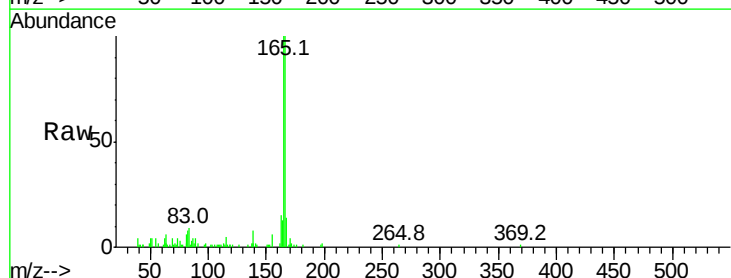
Manual Integrations
APPROVED

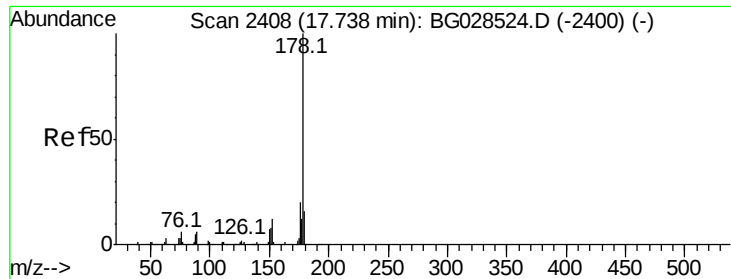
Sohil
8/29/2017 6:02:17 PM



#58
Fluorene
Concen: 3.355 ng/ul
RT: 15.99 min Scan# 2111
Delta R.T. -0.00 min
Lab File: BG028534.D
Acq: 29 Aug 2017 1:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.7	119.5
167	14.0	11.4	17.2





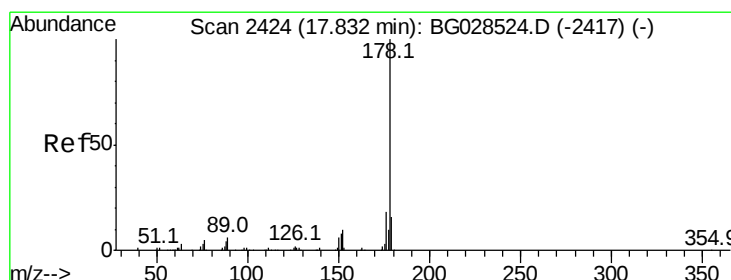
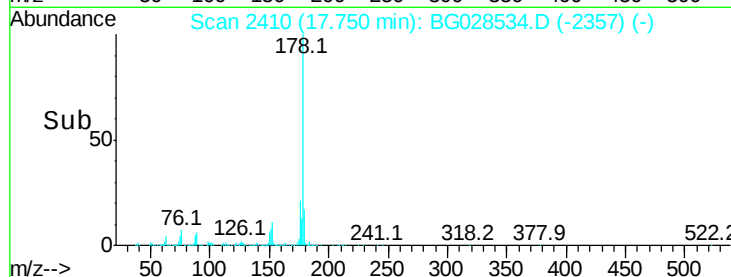
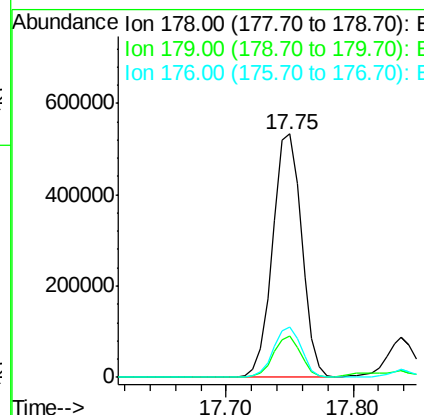
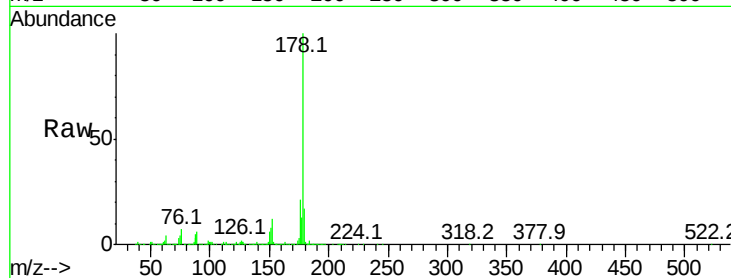
#69
Phenanthrene
Concen: 62.865 ng/ul
RT: 17.75 min Scan# 2410
Delta R.T. 0.01 min
Lab File: BG028534.D
Acq: 29 Aug 2017 1:09

Instrument :
BNA_G
ClientSampleId :
B0AY0

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.8	12.4	18.6
176	20.8	16.5	24.7

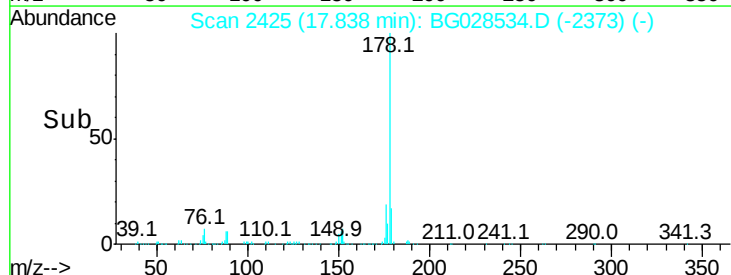
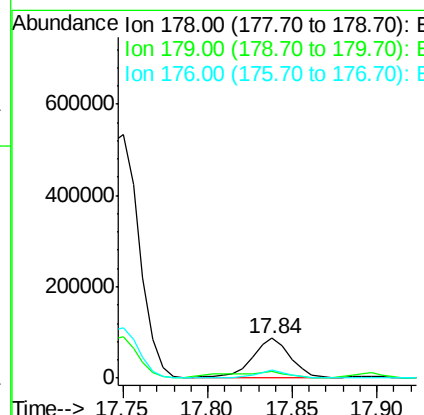
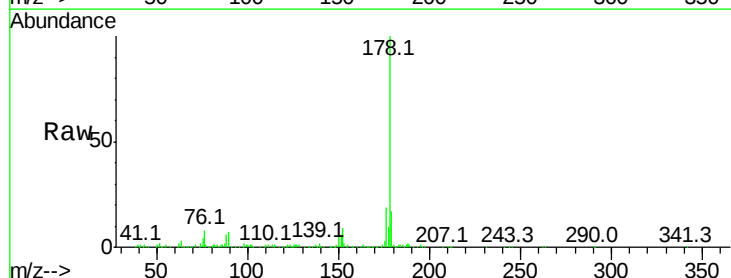
Manual Integrations
APPROVED

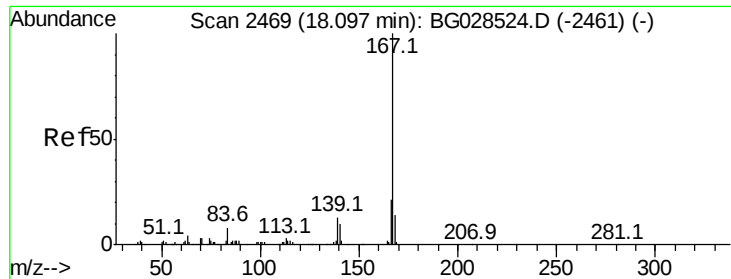
Sohil
8/29/2017 6:02:17 PM



#71
Anthracene
Concen: 9.835 ng/ul
RT: 17.84 min Scan# 2425
Delta R.T. 0.01 min
Lab File: BG028534.D
Acq: 29 Aug 2017 1:09

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.8	12.6	19.0
176	19.1	15.9	23.9





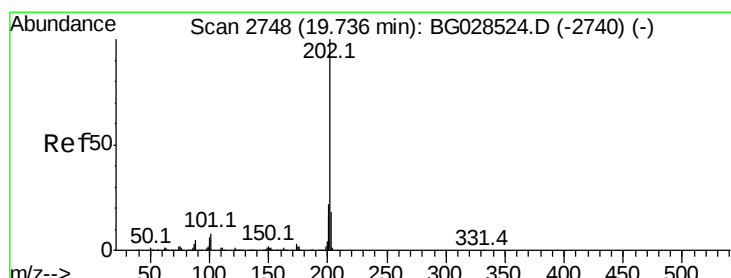
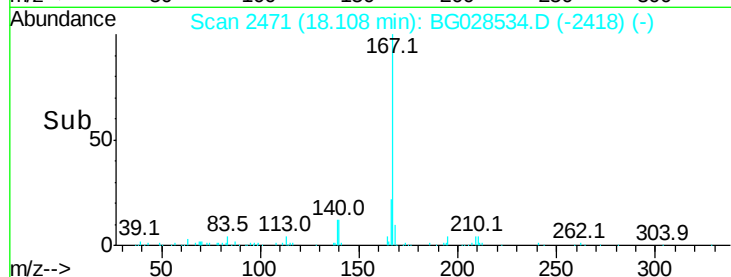
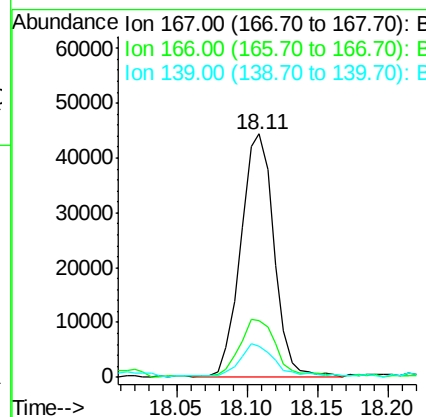
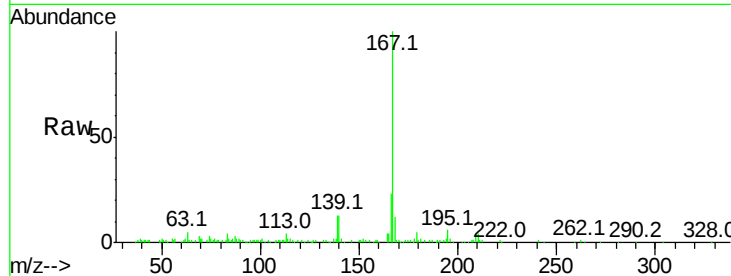
#72
 Carbazole
 Concen: 6.121 ng/ul
 RT: 18.11 min Scan# 2471
 Delta R.T. 0.01 min
 Lab File: BG028534.D
 Acq: 29 Aug 2017 1:09

Instrument :
 BNA_G
 ClientSampleId :
 B0AY0

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.5	17.9	26.9
139	12.9	10.5	15.7

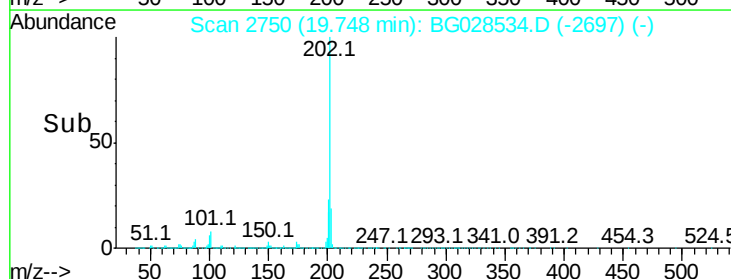
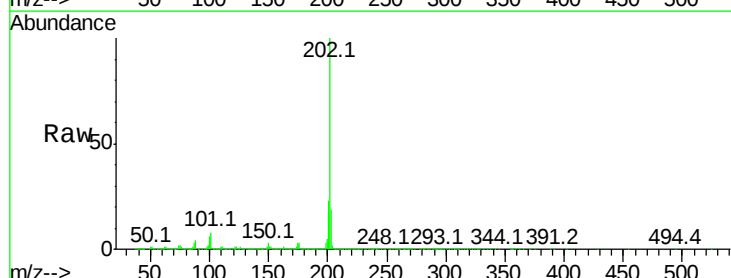
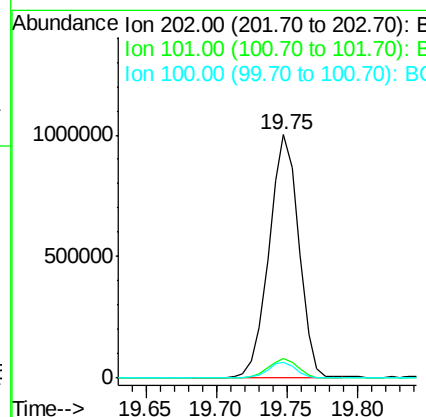
Manual Integrations
 APPROVED

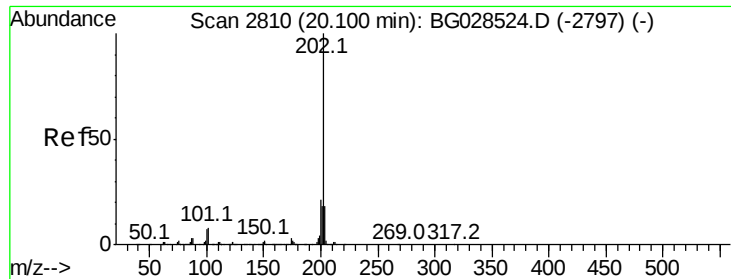
Sohil
 8/29/2017 6:02:17 PM



#74
 Fluoranthene
 Concen: 90.345 ng/ul
 RT: 19.75 min Scan# 2750
 Delta R.T. 0.01 min
 Lab File: BG028534.D
 Acq: 29 Aug 2017 1:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	6.2	9.2
100	6.3	5.2	7.8





#77

Pvrene

Concen: 63.212 ng/ul

RT: 20.11 min Scan# 2812

Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Instrument :

BNA_G

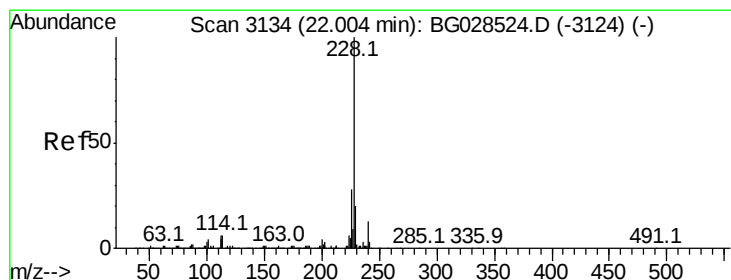
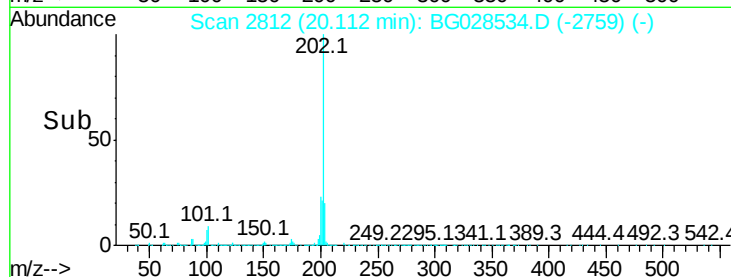
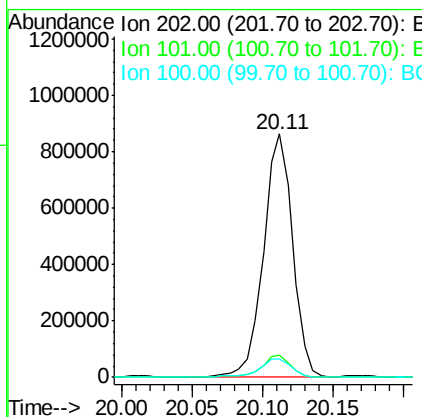
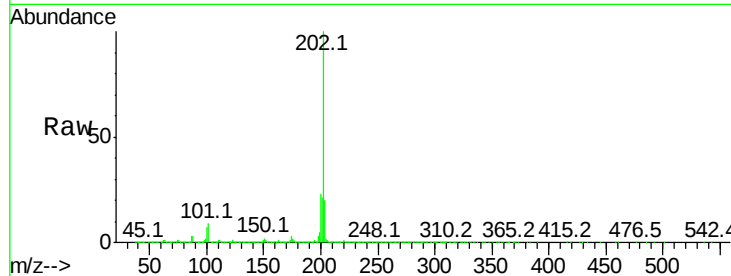
ClientSampled :

B0AY0

Tot Ion:	202	Resp:	1246475
Ion Ratio	Lower	Upper	
202	100		
101	9.2	6.9	10.3
100	7.5	6.6	10.0

Manual Integrations
APPROVED

Sohil
8/29/2017 6:02:17 PM



#80

Benzo(a)anthracene

Concen: 41.122 ng/ul

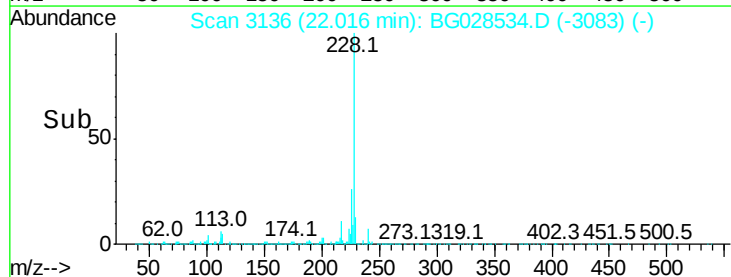
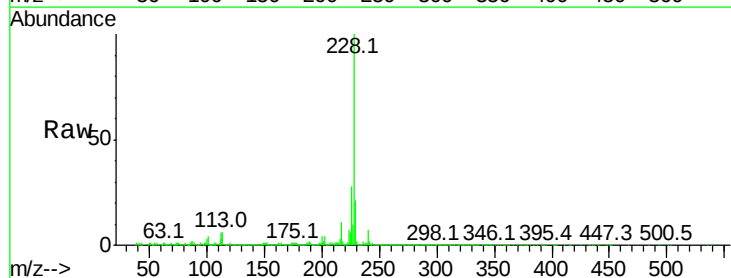
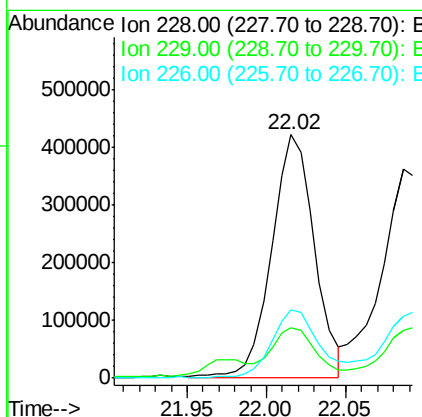
RT: 22.02 min Scan# 3136

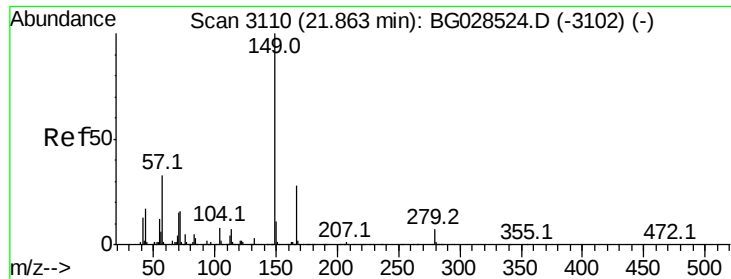
Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Tgt Ion:	228	Resp:	785316
Ion Ratio	Lower	Upper	
228	100		
229	20.7	16.3	24.5
226	28.0	21.9	32.9





#81

Bis(2-ethylhexyl)phthalate

Concen: 2.355 ng/ul

RT: 21.87 min Scan# 3111

Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Instrument :

BNA_G

ClientSampleId :

B0AY0

Tot Ion:149 Resp: 24746

Ion Ratio Lower Upper

149 100

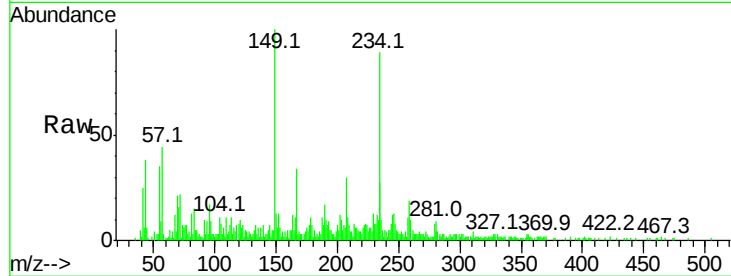
167 33.8 21.8 32.8#

279 8.3 4.5 6.7#

Manual Integrations
APPROVED

Sohil

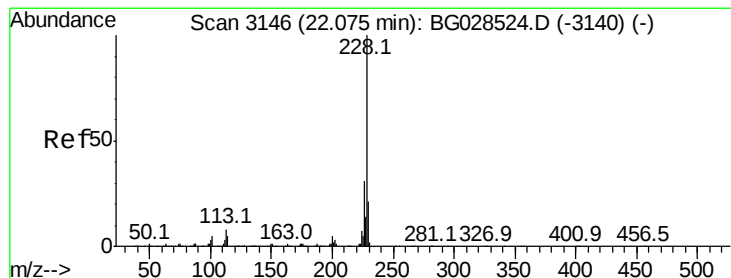
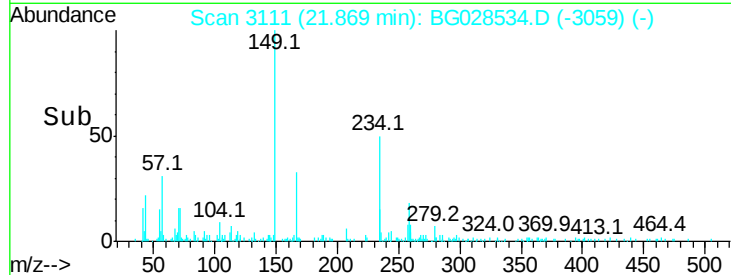
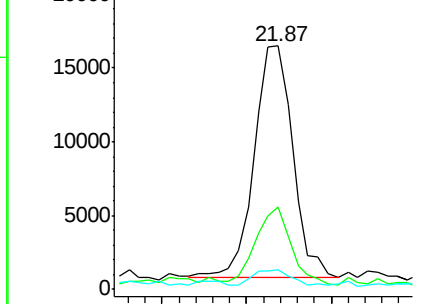
8/29/2017 6:02:17 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 43.082 ng/ul

RT: 22.09 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Tgt Ion:228 Resp: 740978

Ion Ratio Lower Upper

228 100

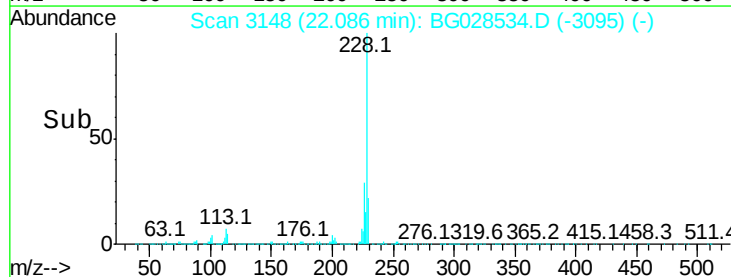
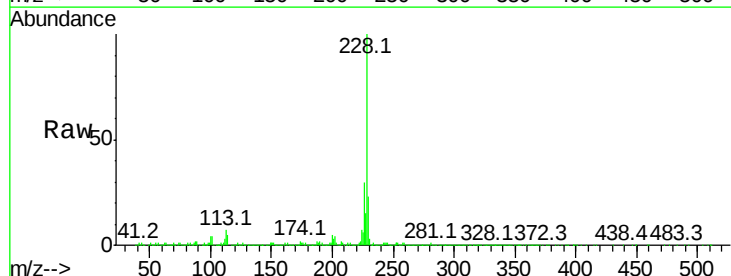
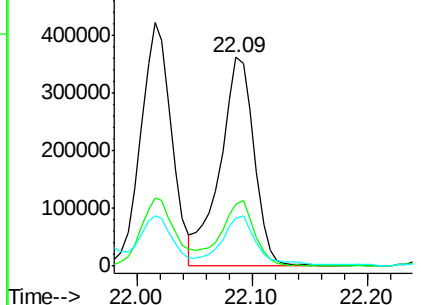
226 29.7 24.0 36.0

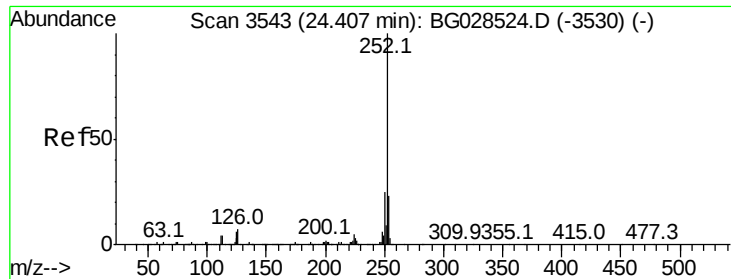
229 22.7 16.9 25.3

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: 40.378 ng/ul

RT: 24.44 min Scan# 3548

Delta R.T. 0.03 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Instrument :

BNA_G

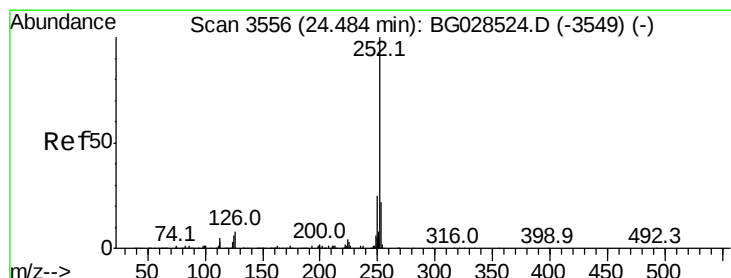
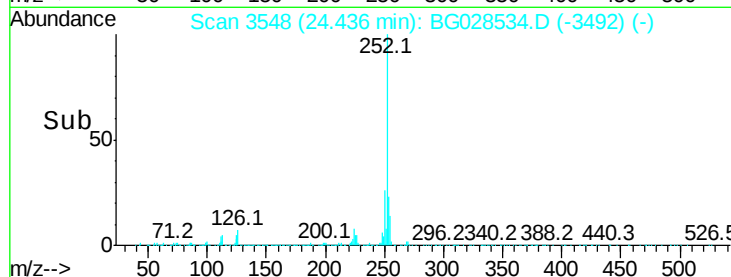
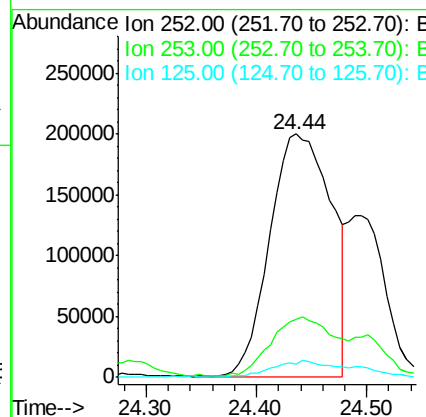
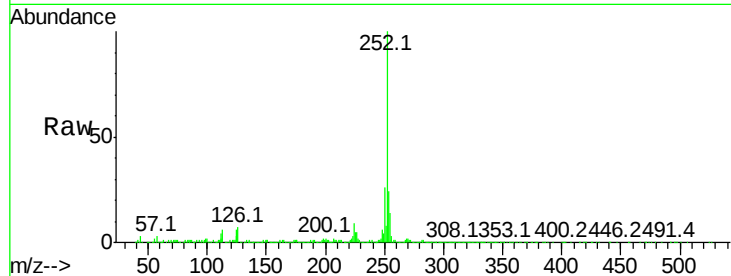
ClientSampled :

B0AY0

Tot Ion:	252	Resp:	773101
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.7	26.5
125	5.7	4.0	6.0

Manual Integrations
APPROVED

Sohil
8/29/2017 6:02:17 PM



#86

Benzo(k)fluoranthene

Concen: 17.204 ng/ul m

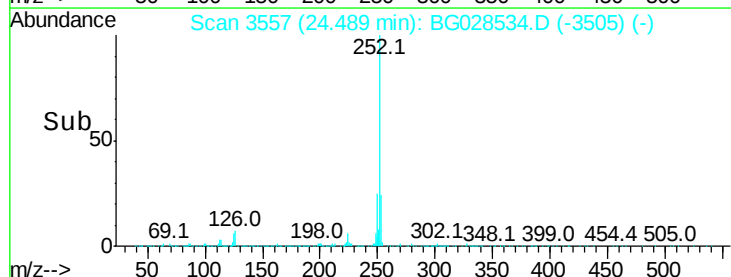
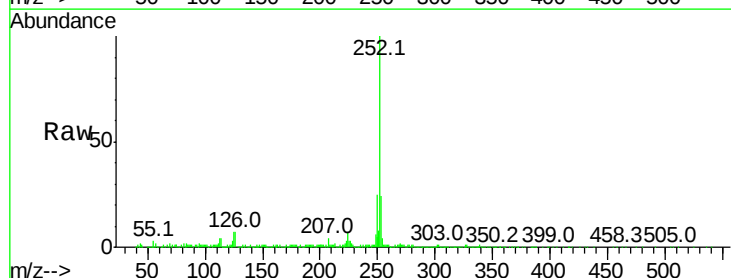
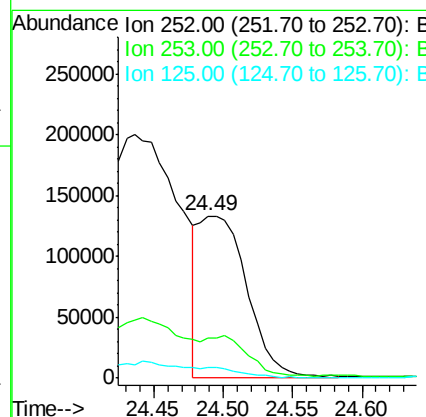
RT: 24.49 min Scan# 3557

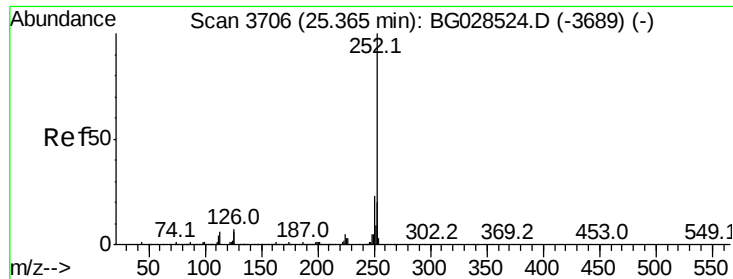
Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Tgt Ion:	252	Resp:	321762
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.5	27.7
125	6.7	4.1	6.1#





#88

Benzo(a)pyrene

Concen: 30.947 ng/ul

RT: 25.39 min Scan# 3710

Delta R.T. 0.02 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Instrument :

BNA_G

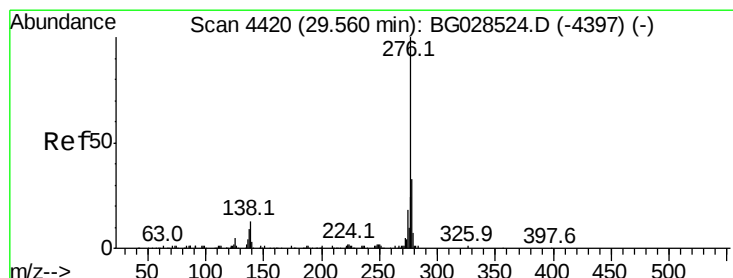
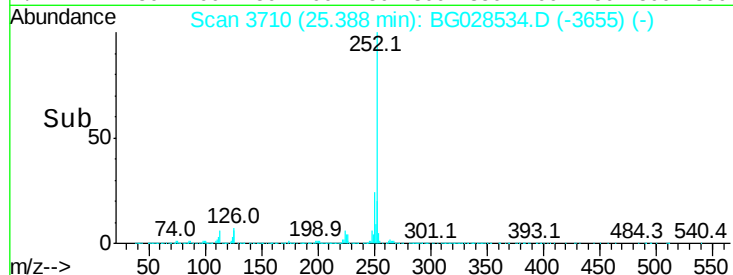
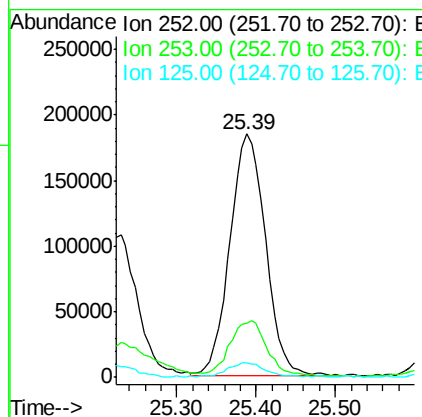
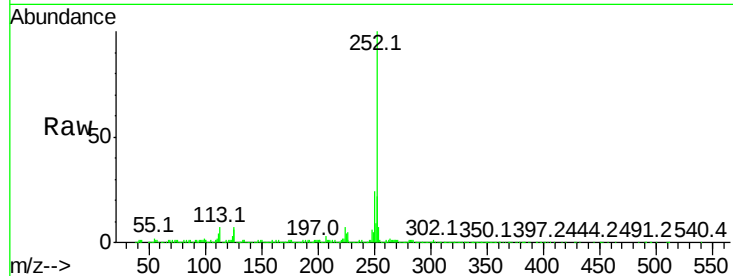
ClientSampled :

B0AY0

Tot Ion:	252	Resp:	573704
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.8	26.6
125	6.1	5.4	8.0

Manual Integrations
APPROVED

Sohil
8/29/2017 6:02:17 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 12.829 ng/ul m

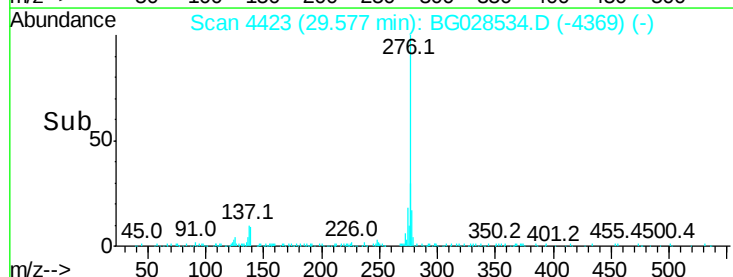
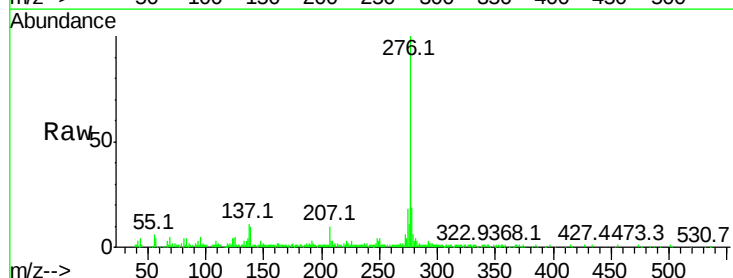
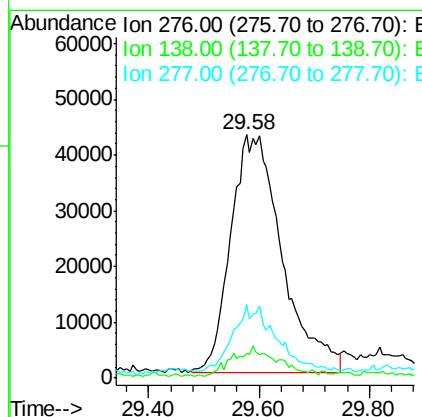
RT: 29.58 min Scan# 4423

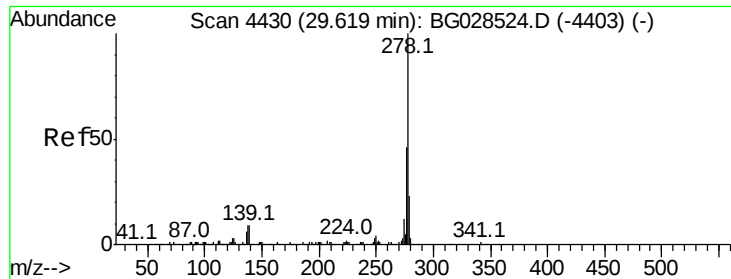
Delta R.T. 0.02 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Tgt Ion:	276	Resp:	278493
Ion Ratio	Lower	Upper	
276	100		
138	10.2	8.2	12.4
277	30.1	18.6	28.0#





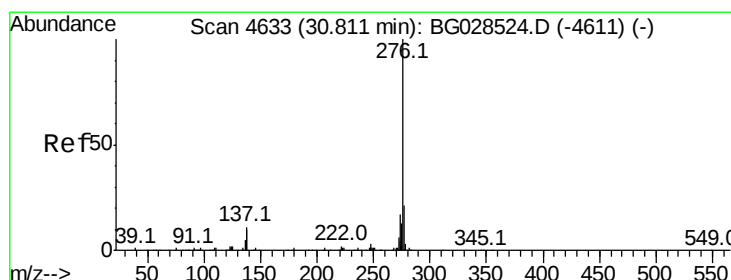
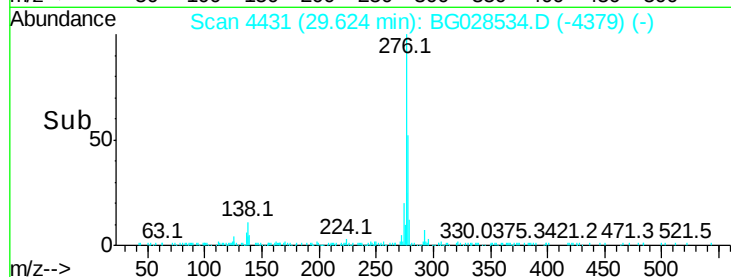
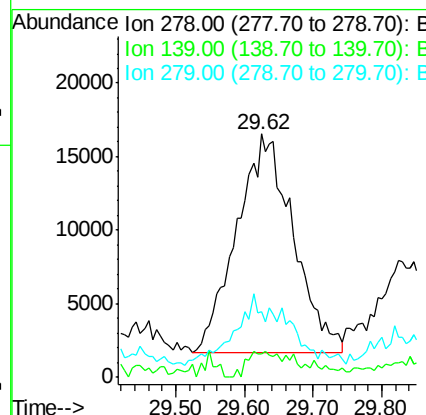
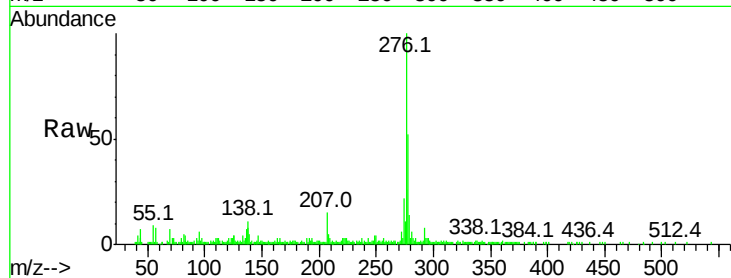
#90
Dibenzo(a,h)anthracene
Concen: 4.647 ng/ul
RT: 29.62 min Scan# 4431
Delta R.T. 0.01 min
Lab File: BG028534.D
Acq: 29 Aug 2017 1:09

Instrument :
BNA_G
ClientSampleId :
B0AY0

Tot Ion	Ratio	Lower	Upper
278	100		
139	9.8	6.7	10.1
279	27.0	20.9	31.3

Manual Integrations
APPROVED

Sohil
8/29/2017 6:02:17 PM



#91
Benzo(g,h,i)perylene
Concen: 9.223 ng/ul
RT: 30.85 min Scan# 4639
Delta R.T. 0.04 min
Lab File: BG028534.D
Acq: 29 Aug 2017 1:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.0	8.6	12.8
277	22.5	17.6	26.4

