

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102417\
 Data File : BG029424.D
 Acq On : 24 Oct 2017 14:42
 Operator : SJ/JU
 Sample : I5925-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 CB3L3

Manual Integrations
 APPROVED

Sohil
 10/25/2017 6:27:06 PM

Quant Time: Oct 24 19:29:22 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 17 07:42:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	71535	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.98	136	336976	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	231316	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.52	188	575050	20.00	ng/ul	-0.01
75) Chrysene-d12	21.79	240	610976	20.00	ng/ul	-0.01
83) Perylene-d12	25.10	264	618993	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	7620	4.33	ng/uL	0.00
5) Phenol-d5	7.31	99	154011	22.43	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.48	67	91126	21.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	119238	24.62	ng/ul	-0.01
13) 4-Methylphenol-d8	8.86	113	137245	24.75	ng/ul	-0.01
19) Nitrobenzene-d5	9.33	128	62077	25.66	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.06	143	74635	30.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	143058	25.33	ng/ul	-0.01
29) 4-Chloroaniline-d4	11.11	131	222005	33.83	ng/ul	-0.01
43) Dimethylphthalate-d6	14.18	166	483109	24.43	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	591817	24.61	ng/ul	0.00
51) 4-Nitrophenol-d4	14.96	143	64153	17.57	ng/ul	-0.01
57) Fluorene-d10	15.77	176	440650	27.21	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.88	200	53957	19.22	ng/ul	-0.01
70) Anthracene-d10	17.62	188	686208	25.23	ng/ul	-0.01
76) Pyrene-d10	19.89	212	788030	24.92	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.88	264	760377	25.94	ng/ul	-0.01

Target Compounds

					Ovalue	
28) Naphthalene	11.03	128	50758	2.847	ng/ul	97
34) 2-Methylnaphthalene	12.62	142	25236	1.710	ng/ul	98
49) Acenaphthene	14.84	153	27240	1.623	ng/ul	95
53) Dibenzofuran	15.18	168	33781	1.472	ng/ul	91
58) Fluorene	15.83	166	34342	1.876	ng/ul	93
69) Phenanthrene	17.57	178	540942	17.401	ng/ul	98
71) Anthracene	17.65	178	109833	3.424	ng/ul	99
72) Carbazole	17.92	167	45112	1.565	ng/ul	97
74) Fluoranthene	19.56	202	839272	24.157	ng/ul	100
77) Pyrene	19.92	202	729499	17.815	ng/ul	99
80) Benzo(a)anthracene	21.77	228	414830	10.834	ng/ul	100
82) Chrysene	21.84	228	376721	10.828	ng/ul	97
85) Benzo(b)fluoranthene	24.05	252	485549	13.066	ng/ul	99
86) Benzo(k)fluoranthene	24.11	252	171995m	4.787	ng/ul	
88) Benzo(a)pyrene	24.94	252	312938	8.651	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	28.88	276	192307	4.699	ng/ul	97
90) Dibenzo(a,h)anthracene	28.92	278	58047	1.707	ng/ul	98
91) Benzo(g,h,i)perylene	30.05	276	176164	5.193	ng/ul	96

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

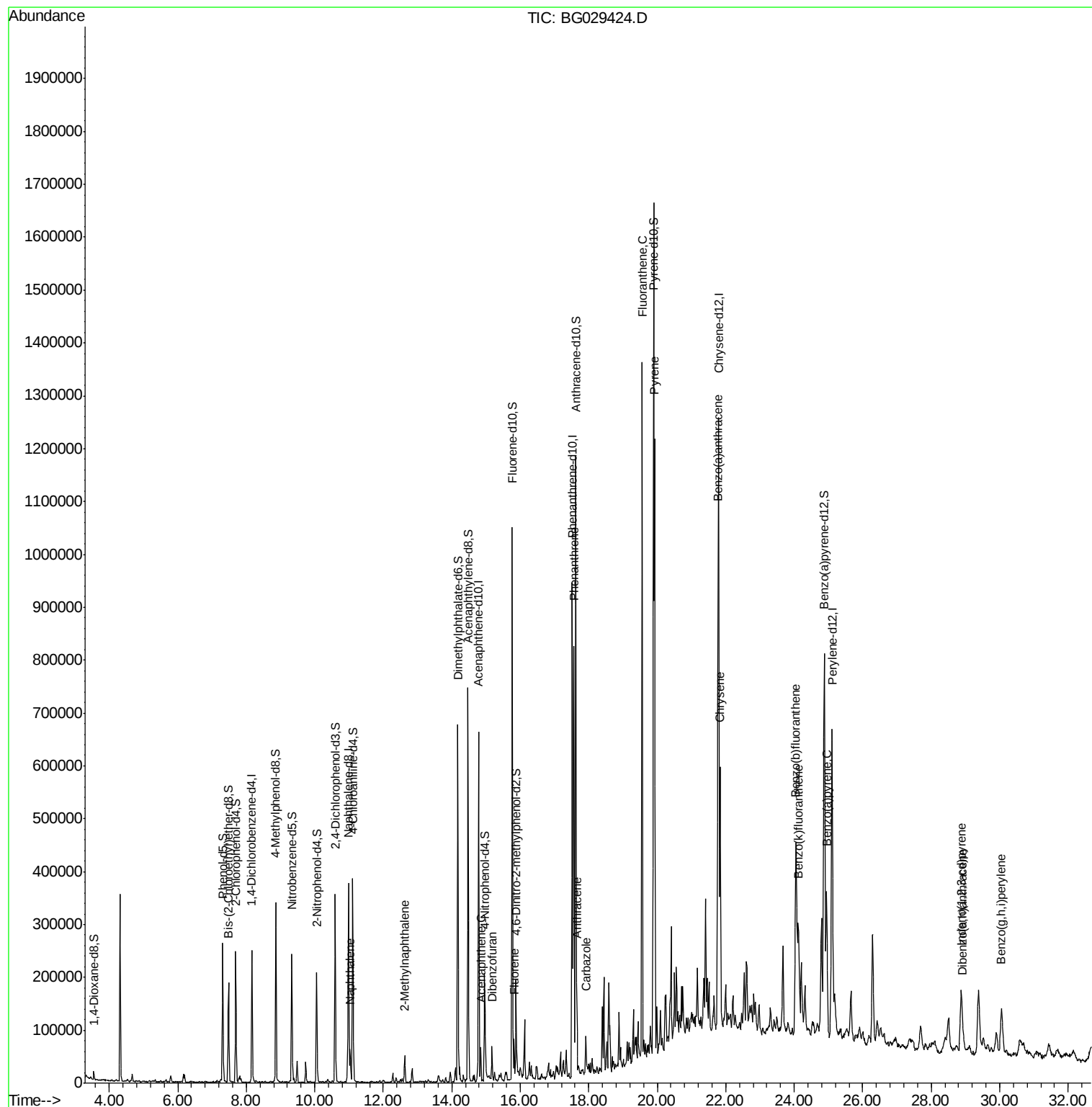
Data Path : Z:\HPCHEM1\BNA G\DATA\BG102417\
Data File : BG029424.D
Acq On : 24 Oct 2017 14:42
Operator : SJ/JU
Sample : I5925-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

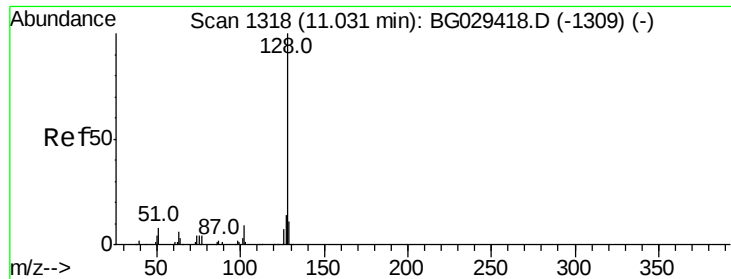
Instrument :
BNA_G
ClientSampled :
CB3L3

Manual Integrations
APPROVED

Sohil
10/25/2017 6:27:06 PM

Quant Time: Oct 24 19:29:22 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 17 07:42:23 2017
Response via : Initial Calibration





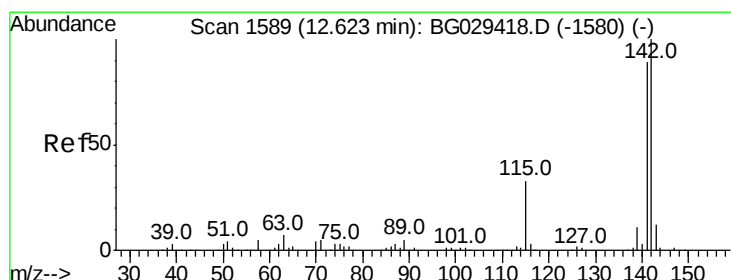
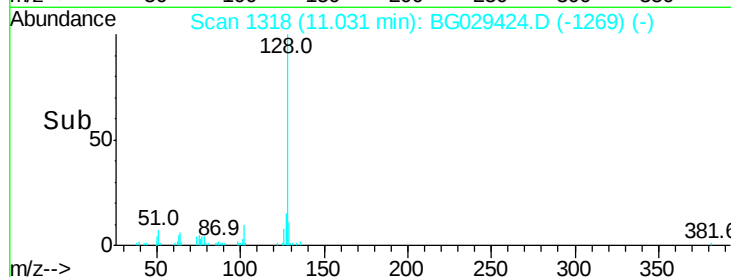
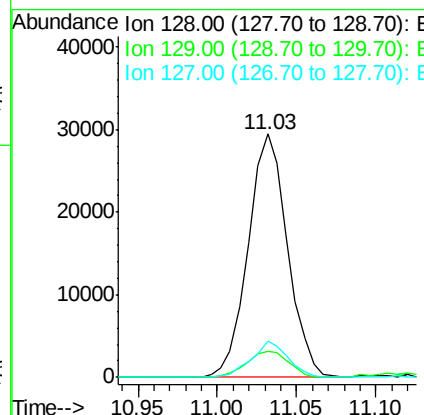
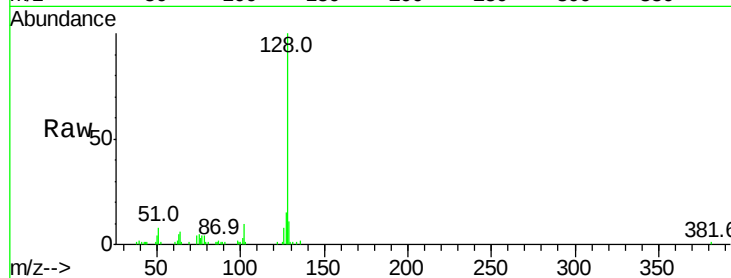
#28
Naphthalene
Concen: 2.847 ng/ul
RT: 11.03 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BG029424.D
Acq: 24 Oct 2017 14:42

Instrument :
BNA_G
ClientSampleId :
CB3L3

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.3	13.9
127	14.9	10.7	16.1

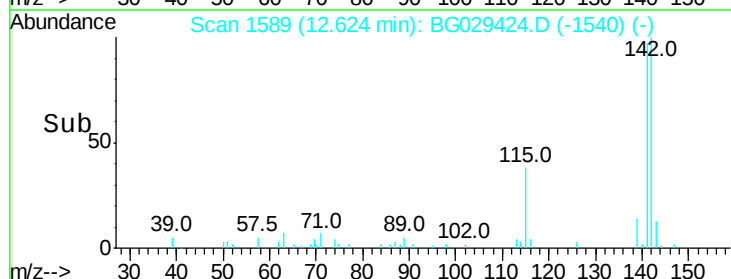
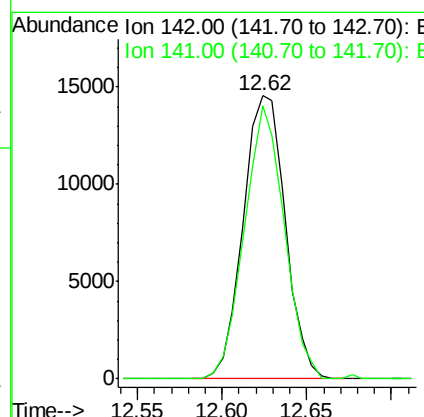
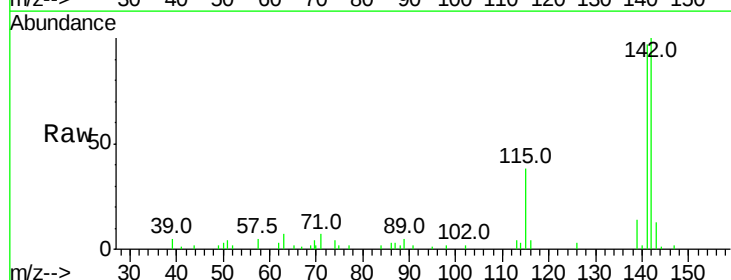
Manual Integrations
APPROVED

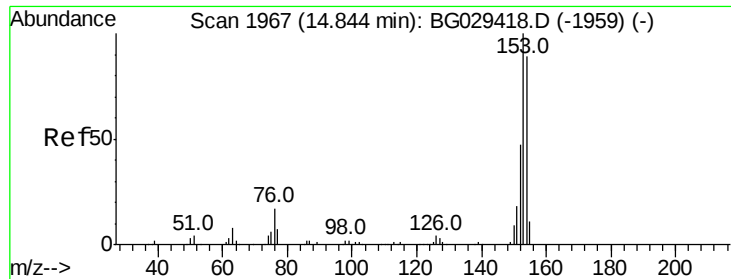
Sohil
10/25/2017 6:27:06 PM



#34
2-Methylnaphthalene
Concen: 1.710 ng/ul
RT: 12.62 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BG029424.D
Acq: 24 Oct 2017 14:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.6	75.4	113.0





#49

Acenaphthene

Concen: 1.623 ng/ul

RT: 14.84 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG029424.D

Acq: 24 Oct 2017 14:42

Instrument :

BNA_G

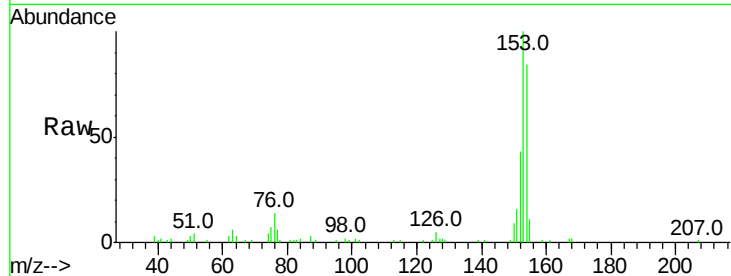
ClientSampled :

CB3L3

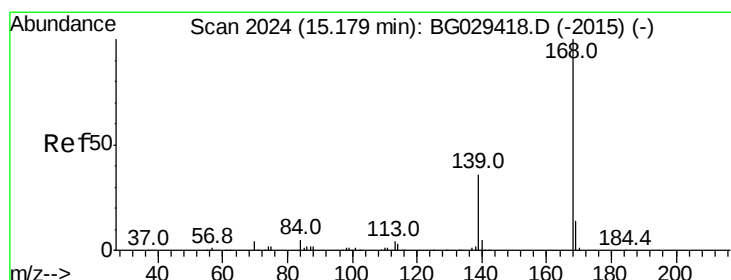
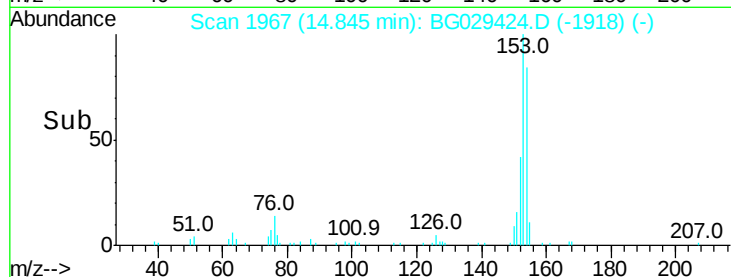
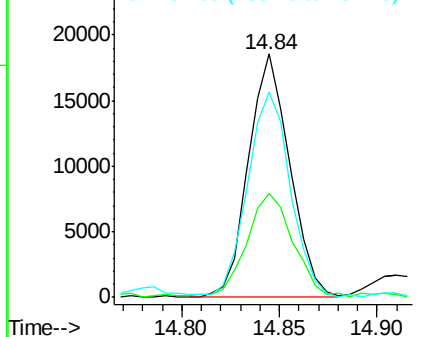
Tot Ion:	153	Resp:	27240
Ion Ratio	Lower	Upper	
153	100		
152	42.9	38.2	57.2
154	84.1	70.6	105.8

Manual Integrations
APPROVED

Sohil
10/25/2017 6:27:06 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



#53

Dibenzofuran

Concen: 1.472 ng/ul

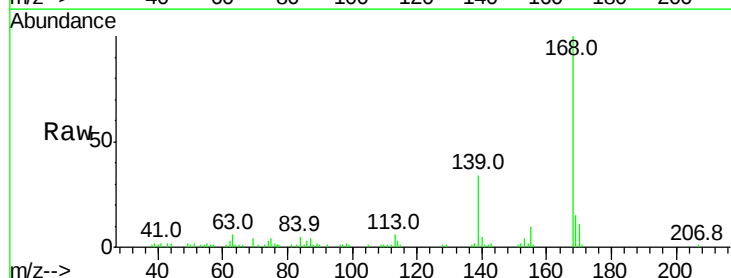
RT: 15.18 min Scan# 2024

Delta R.T. -0.01 min

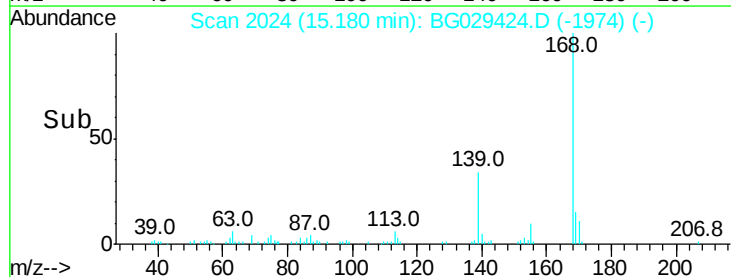
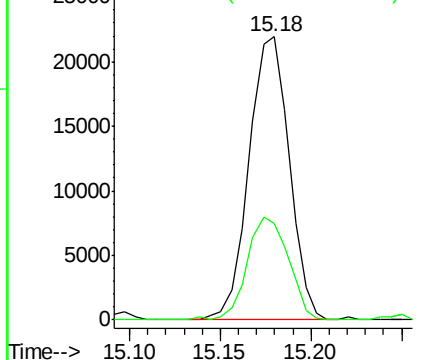
Lab File: BG029424.D

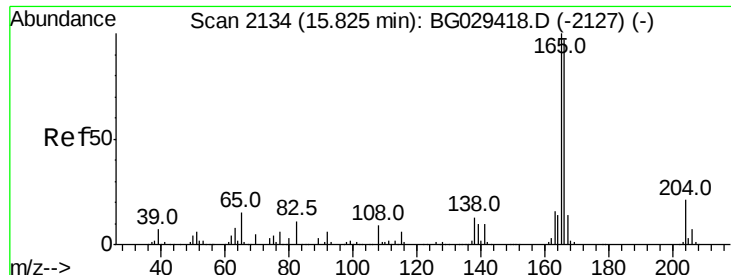
Acq: 24 Oct 2017 14:42

Tgt Ion:	168	Resp:	33781
Ion Ratio	Lower	Upper	
168	100		
139	33.9	31.4	47.2



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





#58

Fluorene

Concen: 1.876 ng/ul

RT: 15.83 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BG029424.D

Acq: 24 Oct 2017 14:42

Instrument :

BNA_G

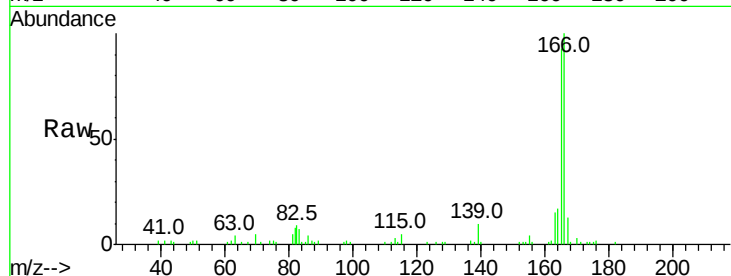
ClientSampleId :

CB3L3

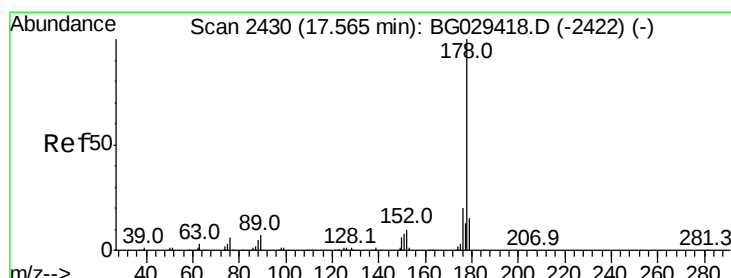
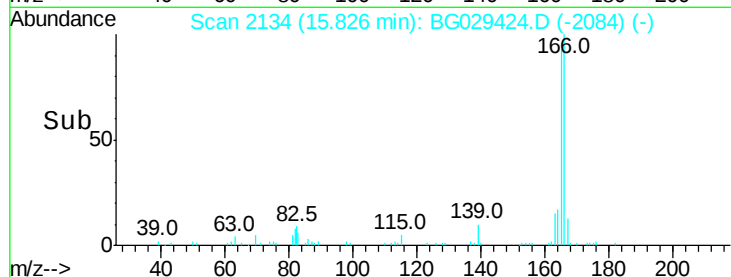
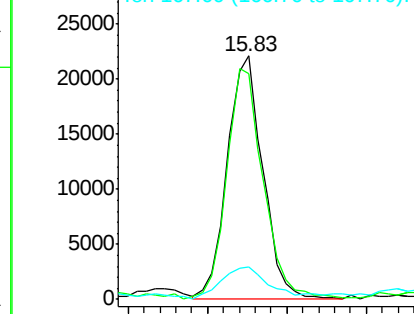
Tot Ion:	166	Resp:	34342
Ion Ratio	Lower	Upper	
166	100		
165	92.5	79.9	119.9
167	13.5	10.6	16.0

Manual Integrations
APPROVED

Sohil
10/25/2017 6:27:06 PM



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 17.401 ng/ul

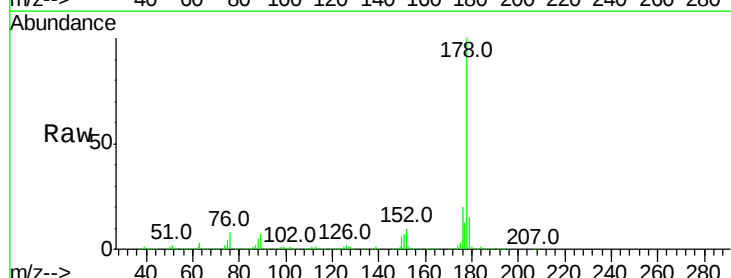
RT: 17.57 min Scan# 2430

Delta R.T. -0.01 min

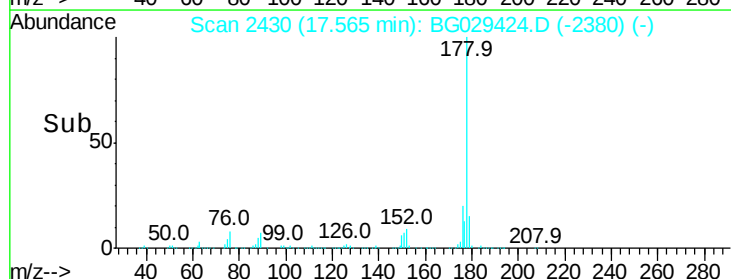
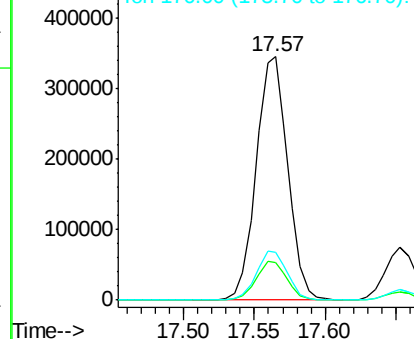
Lab File: BG029424.D

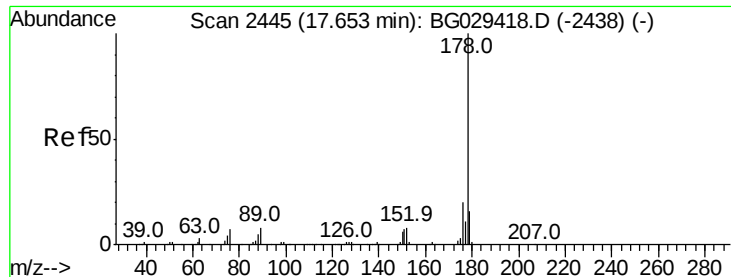
Acq: 24 Oct 2017 14:42

Tgt Ion:	178	Resp:	540942
Ion Ratio	Lower	Upper	
178	100		
179	15.3	13.0	19.6
176	19.6	15.3	22.9



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





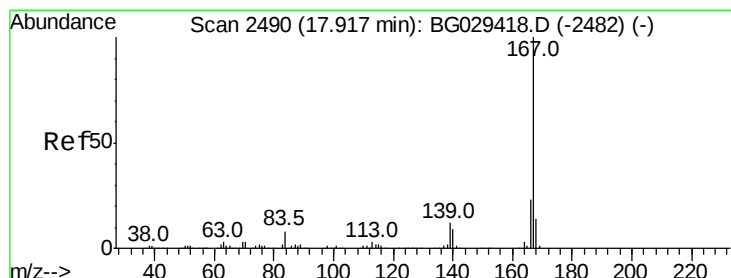
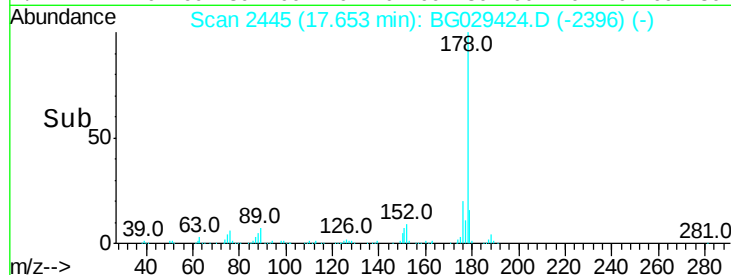
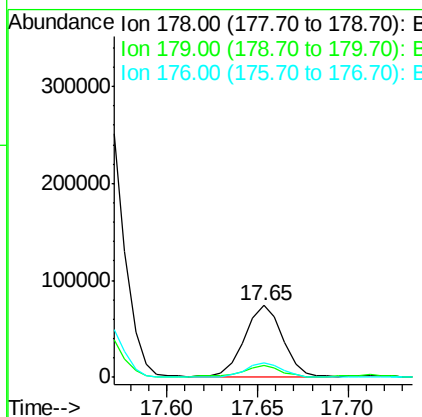
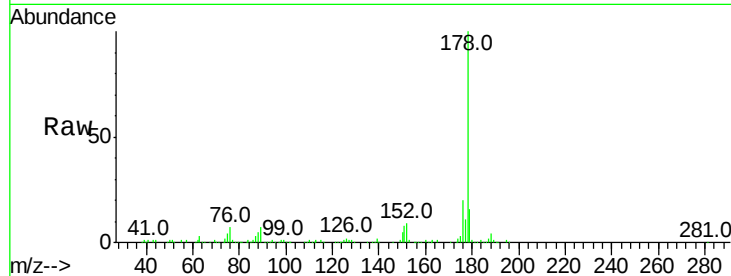
#71
 Anthracene
 Concen: 3.424 ng/ul
 RT: 17.65 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BG029424.D
 Acq: 24 Oct 2017 14:42

Instrument :
 BNA_G
 ClientSampleId :
 CB3L3

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.0	13.2	19.8
176	20.0	16.0	24.0

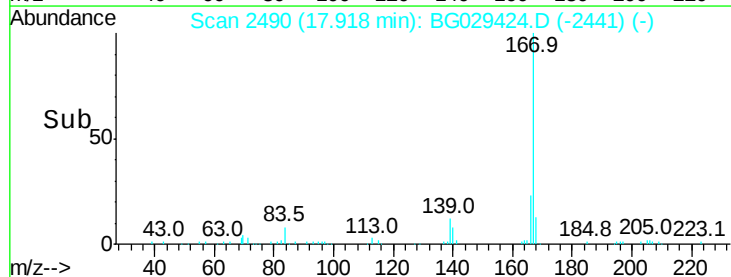
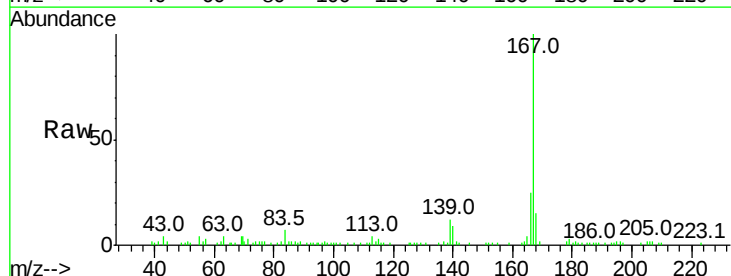
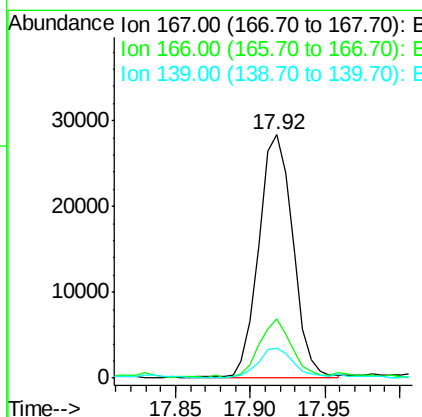
Manual Integrations
 APPROVED

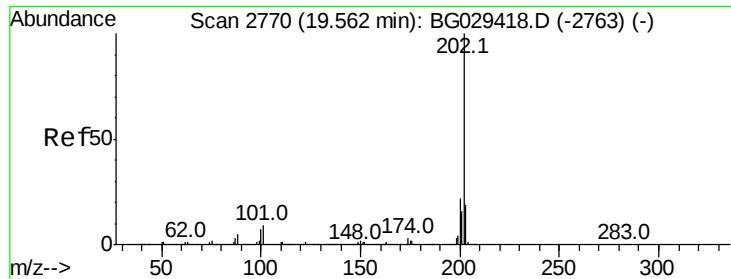
Sohil
 10/25/2017 6:27:06 PM



#72
 Carbazole
 Concen: 1.565 ng/ul
 RT: 17.92 min Scan# 2490
 Delta R.T. -0.01 min
 Lab File: BG029424.D
 Acq: 24 Oct 2017 14:42

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.6	18.6	28.0
139	12.3	10.6	16.0





#74

Fluoranthene

Concen: 24.157 ng/ul

RT: 19.56 min Scan# 2770

Delta R.T. -0.01 min

Lab File: BG029424.D

Acq: 24 Oct 2017 14:42

Instrument :

BNA_G

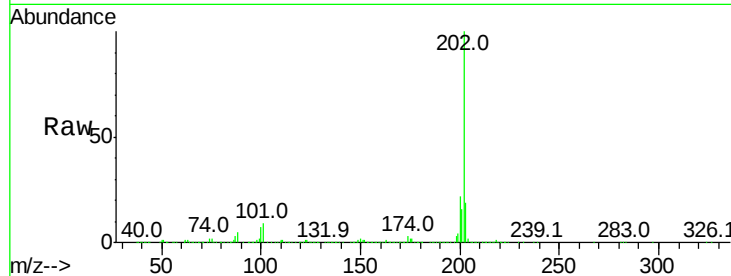
ClientSampleId :

CB3L3

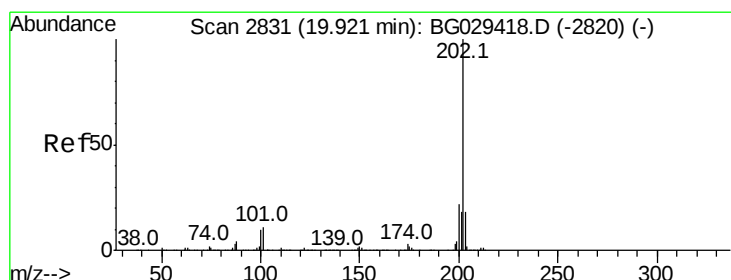
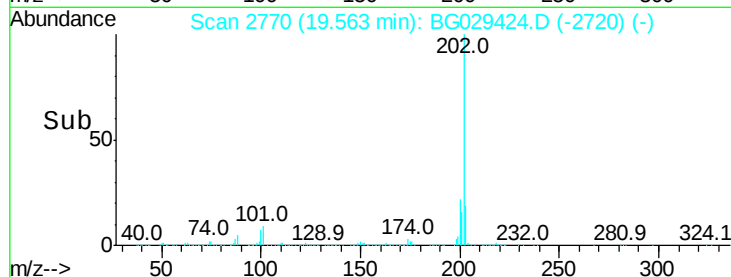
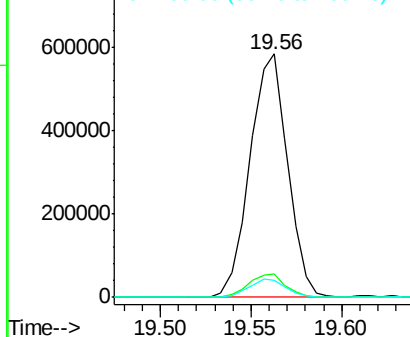
Tot Ion	Ratio	Resp	Lower	Upper
202	100	839272		
101	9.4		7.4	11.2
100	7.1		5.6	8.4

Manual Integrations
APPROVED

Sohil
10/25/2017 6:27:06 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: 17.815 ng/ul

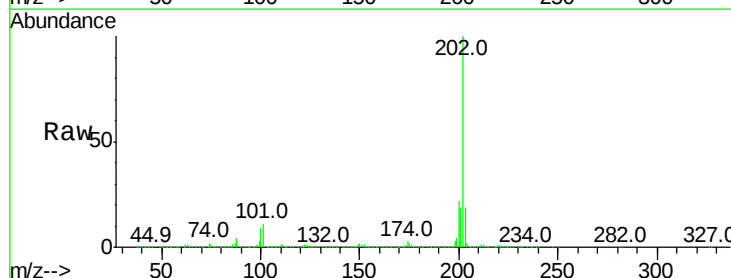
RT: 19.92 min Scan# 2831

Delta R.T. -0.01 min

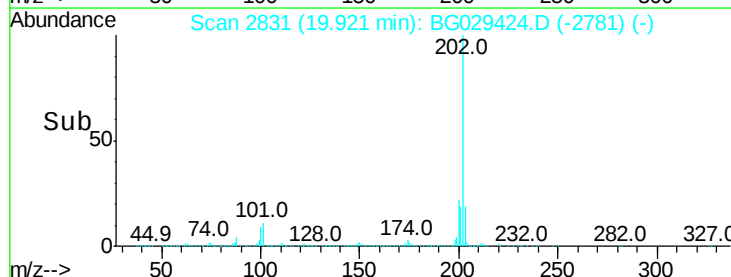
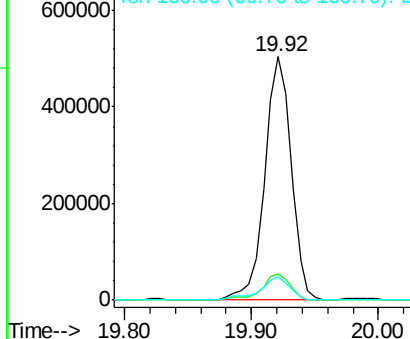
Lab File: BG029424.D

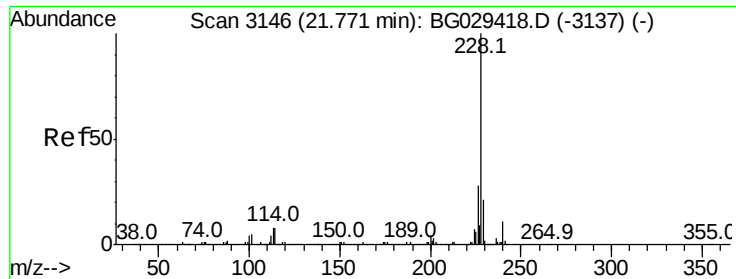
Acq: 24 Oct 2017 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	729499		
101	10.7		8.4	12.6
100	9.4		7.0	10.6



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





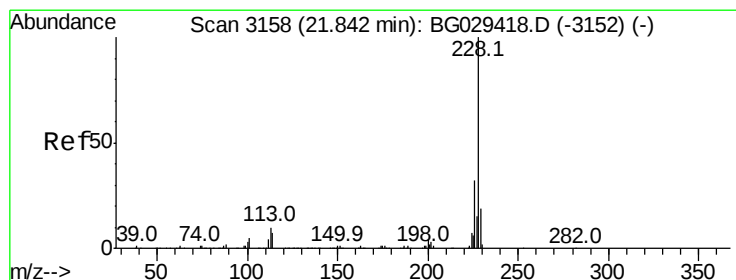
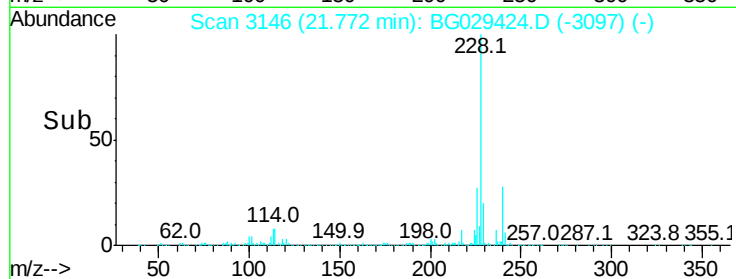
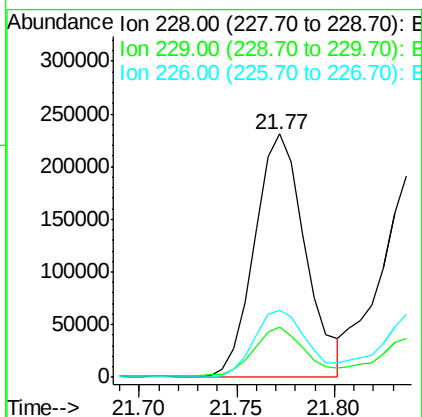
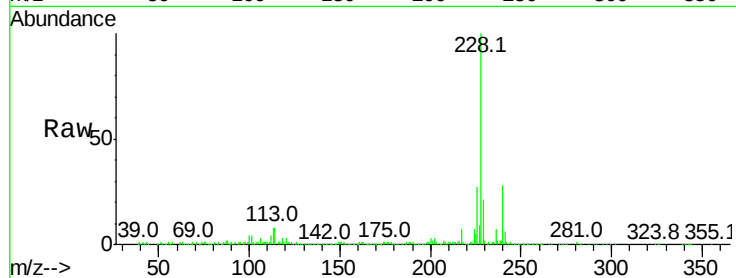
#80
Benzo(a)anthracene
Concen: 10.834 ng/ul
RT: 21.77 min Scan# 3146
Delta R.T. -0.01 min
Lab File: BG029424.D
Acq: 24 Oct 2017 14:42

Instrument :
BNA_G
ClientSampleId :
CB3L3

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.5	16.2	24.4
226	27.5	22.2	33.2

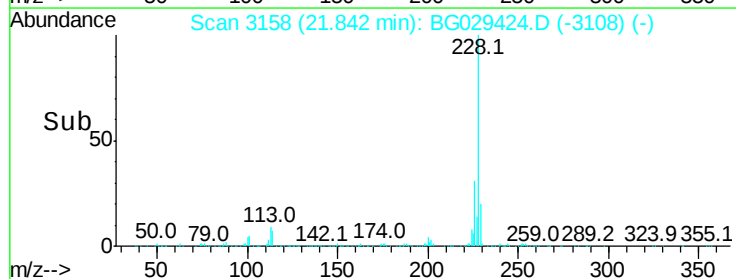
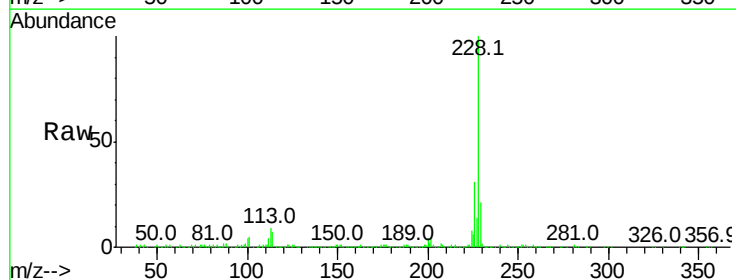
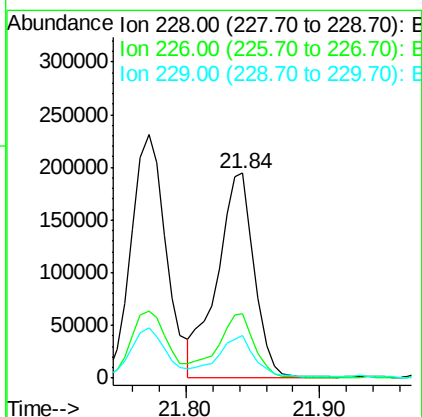
Manual Integrations
APPROVED

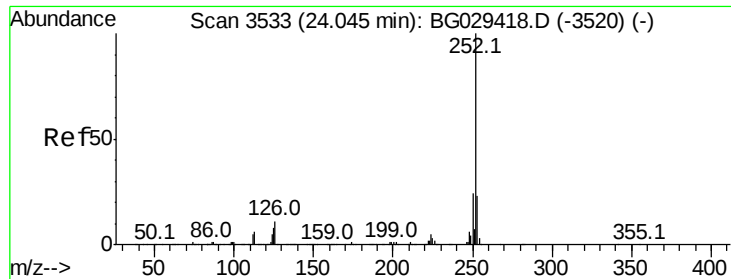
Sohil
10/25/2017 6:27:06 PM



#82
Chrysene
Concen: 10.828 ng/ul
RT: 21.84 min Scan# 3158
Delta R.T. -0.01 min
Lab File: BG029424.D
Acq: 24 Oct 2017 14:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.2	36.2
229	20.6	15.2	22.8





#85

Benzo(b)fluoranthene

Concen: 13.066 ng/ul

RT: 24.05 min Scan# 3534

Delta R.T. -0.01 min

Lab File: BG029424.D

Acq: 24 Oct 2017 14:42

Instrument :

BNA_G

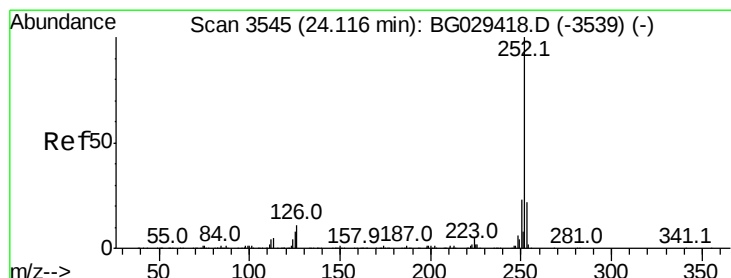
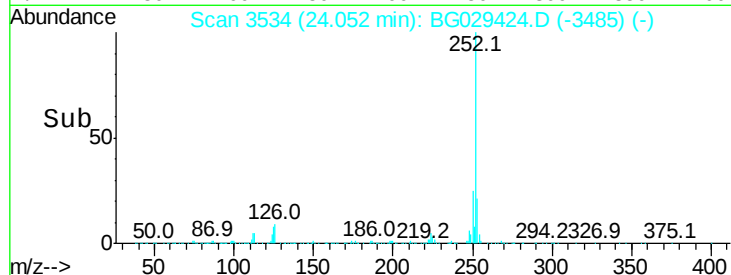
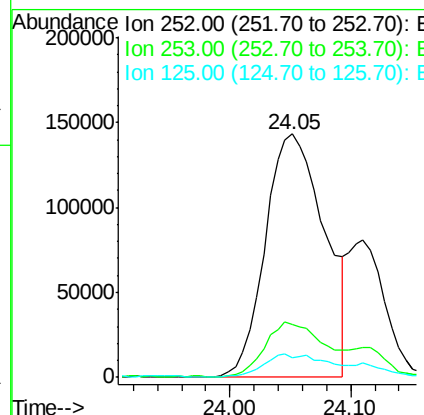
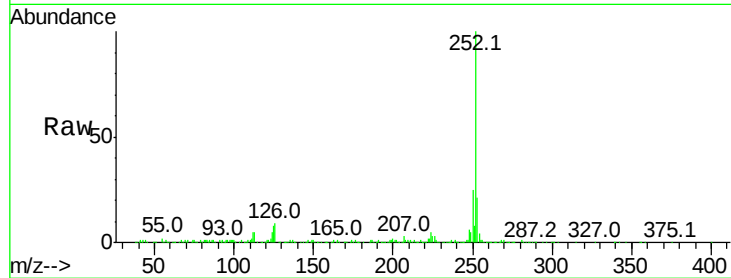
ClientSampleId :

CB3L3

Tot Ion:	252	Resp:	485549
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.0	25.4
125	8.2	7.5	11.3

Manual Integrations
APPROVED

Sohil
10/25/2017 6:27:06 PM



#86

Benzo(k)fluoranthene

Concen: 4.787 ng/ul m

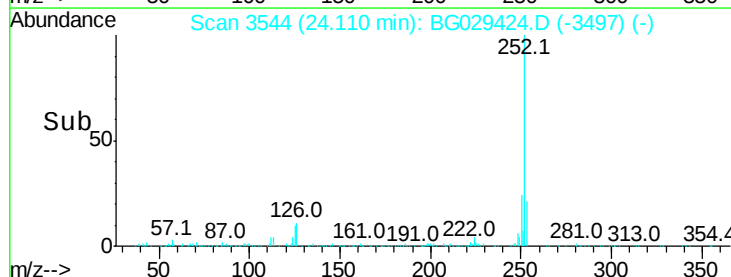
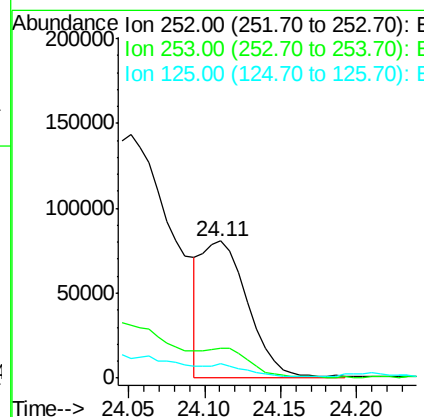
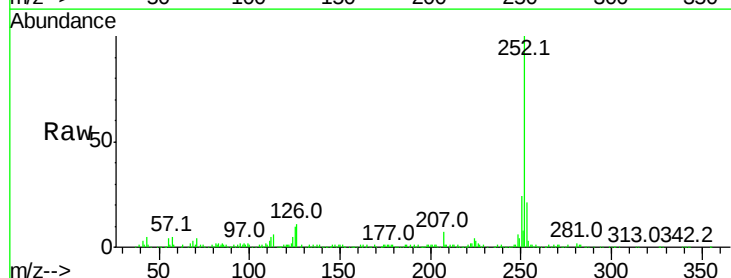
RT: 24.11 min Scan# 3544

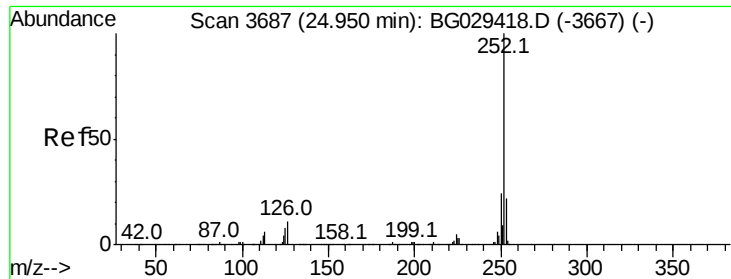
Delta R.T. -0.02 min

Lab File: BG029424.D

Acq: 24 Oct 2017 14:42

Tgt Ion:	252	Resp:	171995
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.2	25.8
125	10.2	7.8	11.8





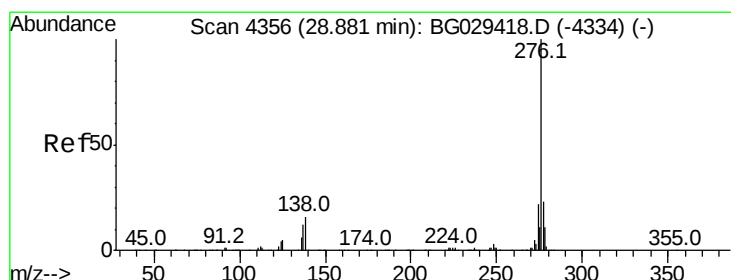
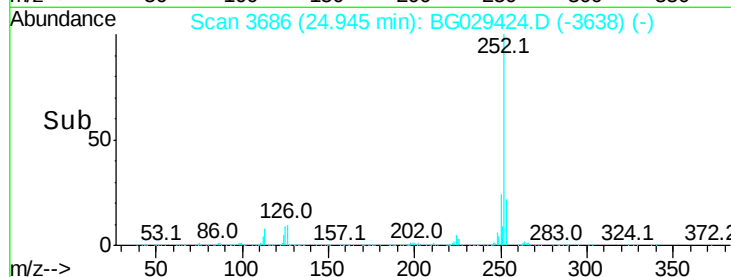
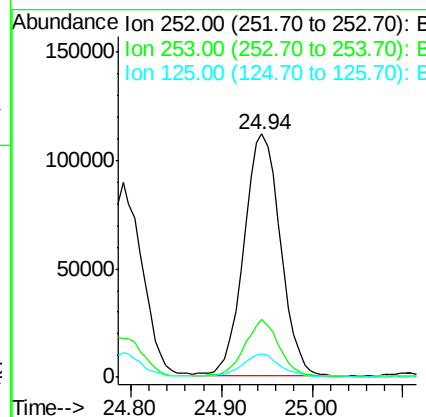
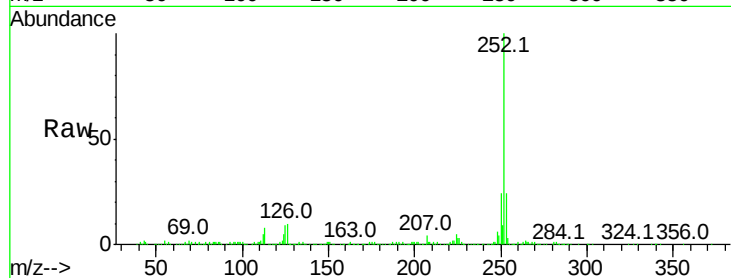
#88
Benzo(a)pyrene
Concen: 8.651 ng/ul
RT: 24.94 min Scan# 3686
Delta R.T. -0.02 min
Lab File: BG029424.D
Acq: 24 Oct 2017 14:42

Instrument :
BNA_G
ClientSampled :
CB3L3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	9.4	7.8	11.8

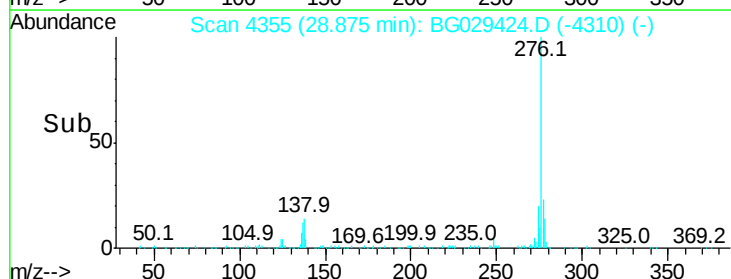
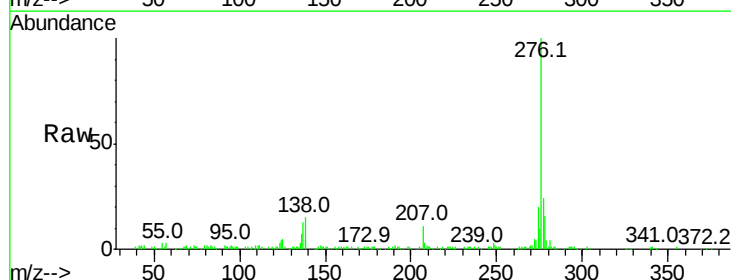
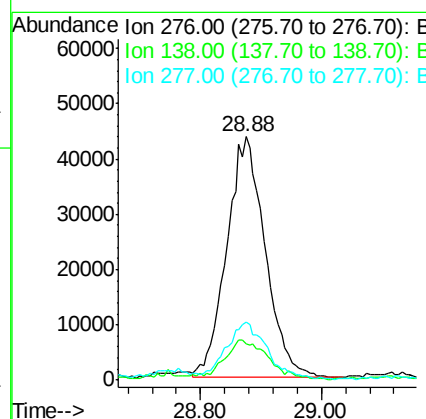
Manual Integrations
APPROVED

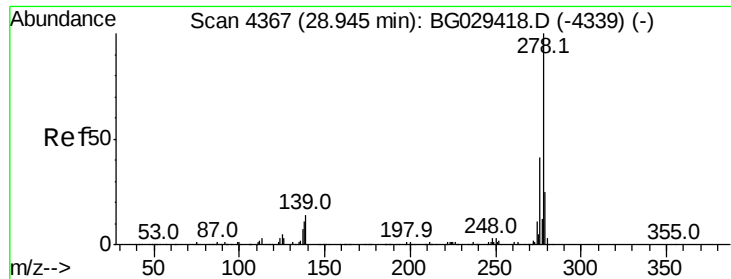
Sohil
10/25/2017 6:27:06 PM



#89
Indeno(1,2,3-cd)pyrene
Concen: 4.699 ng/ul
RT: 28.88 min Scan# 4355
Delta R.T. -0.04 min
Lab File: BG029424.D
Acq: 24 Oct 2017 14:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.4	13.4	20.0
277	23.7	18.6	28.0





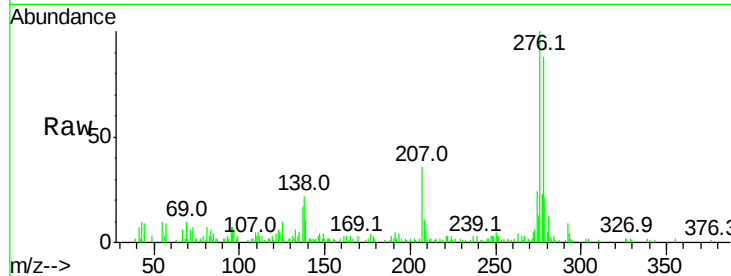
#90
Dibenzo(a,h)anthracene
Concen: 1.707 ng/ul
RT: 28.92 min Scan# 4363
Delta R.T. -0.06 min
Lab File: BG029424.D
Acq: 24 Oct 2017 14:42

Instrument :
BNA_G
ClientSampled :
CB3L3

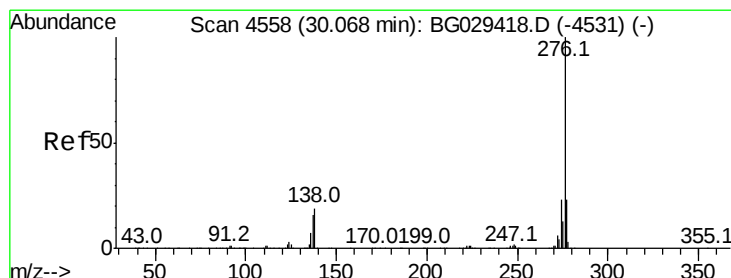
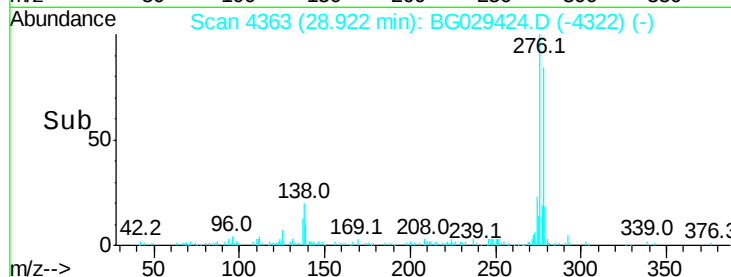
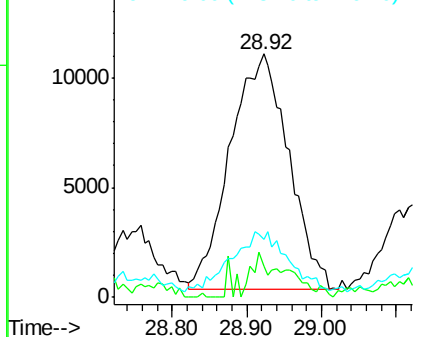
Tot Ion	Ratio	Lower	Upper
278	100		
139	12.8	9.4	14.2
279	23.7	18.4	27.6

Manual Integrations
APPROVED

Sohil
10/25/2017 6:27:06 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 5.193 ng/ul
RT: 30.05 min Scan# 4555
Delta R.T. -0.05 min
Lab File: BG029424.D
Acq: 24 Oct 2017 14:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.6	12.1	18.1
277	23.4	17.7	26.5

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

