

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG101517\
 Data File : BG029237.D
 Acq On : 15 Oct 2017 00:14
 Operator : SJ/JU
 Sample : I5548-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB7

Manual Integrations
 APPROVED

Sohil
 10/16/2017 7:43:45 PM

Quant Time: Oct 15 03:43:40 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Oct 15 01:38:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	126826	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	551682	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	333536	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.54	188	693735	20.00	ng/ul	0.00
75) Chrysene-d12	21.81	240	593597	20.00	ng/ul	0.02
83) Perylene-d12	25.13	264	609521	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	14039	4.50	ng/uL	0.00
5) Phenol-d5	7.32	99	301880	24.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	190636	25.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	222618	25.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	241728	24.59	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	116671	29.46	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	126723	31.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	235196	25.44	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	192590	17.93	ng/ul	0.00
43) Dimethylphthalate-d6	14.19	166	719727	25.24	ng/ul	0.00
46) Acenaphthylene-d8	14.49	160	915001	26.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	108715	20.65	ng/ul	0.00
57) Fluorene-d10	15.78	176	623846	26.71	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	76172	22.49	ng/ul	0.00
70) Anthracene-d10	17.64	188	861606	26.26	ng/ul	0.00
76) Pyrene-d10	19.90	212	831595	27.06	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.90	264	725415	25.13	ng/ul	0.03

Target Compounds

					Ovalue	
6) Phenol	7.35	94	33133	2.631	ng/ul	92
28) Naphthalene	11.04	128	135493	4.642	ng/ul	97
34) 2-Methylnaphthalene	12.64	142	79166	3.276	ng/ul	100
40) 1,1'-Biphenyl	13.63	154	37474	1.363	ng/ul	98
44) Dimethylphthalate	14.23	163	272325	9.791	ng/ul	98
49) Acenaphthene	14.86	153	492777	20.361	ng/ul	96
53) Dibenzofuran	15.19	168	507044	15.324	ng/ul	99
58) Fluorene	15.83	166	623246	23.611	ng/ul	99
69) Phenanthrene	17.58	178	5388743m	143.690	ng/ul	
71) Anthracene	17.66	178	1444020	37.320	ng/ul	97
72) Carbazole	17.93	167	839013	24.122	ng/ul	99
74) Fluoranthene	19.59	202	5597255	133.545	ng/ul#	53
77) Pyrene	19.94	202	5008810	125.902	ng/ul#	60
80) Benzo(a)anthracene	21.79	228	2832143	76.132	ng/ul#	88
81) Bis(2-ethylhexyl)phthalate	21.68	149	81351	3.480	ng/ul	98
82) Chrysene	21.86	228	2746340	81.251	ng/ul#	87
85) Benzo(b)fluoranthene	24.09	252	3180903	86.930	ng/ul#	89
86) Benzo(k)fluoranthene	24.15	252	1134192	32.059	ng/ul#	91
88) Benzo(a)pyrene	24.98	252	2163901	60.753	ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	28.94	276	1461593	36.270	ng/ul#	87
90) Dibenzo(a,h)anthracene	28.99	278	367819	10.987	ng/ul#	90
91) Benzo(a,h,i)perylene	30.13	276	1161296	34.766	ng/ul#	87

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

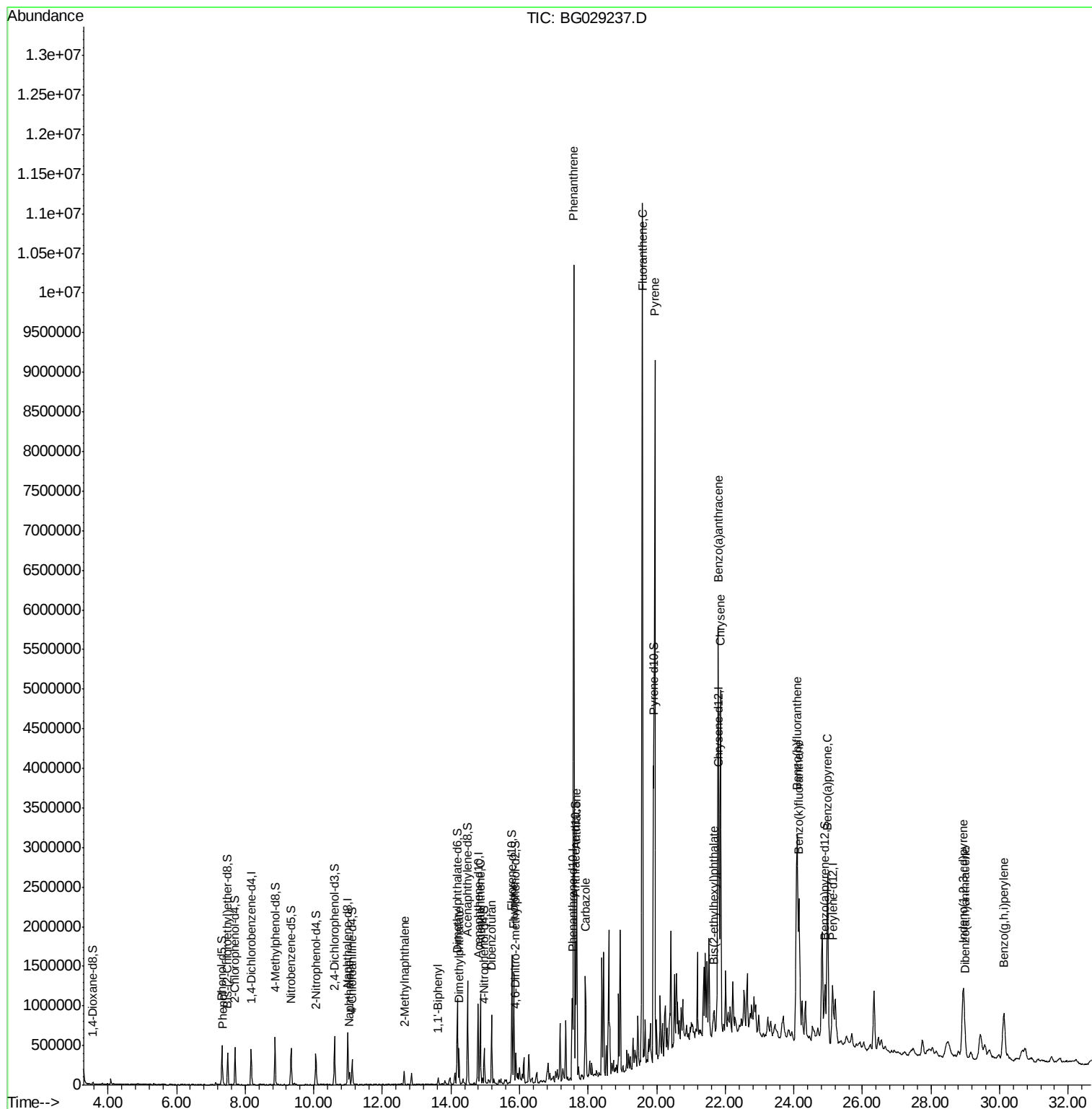
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029237.D
Acq On : 15 Oct 2017 00:14
Operator : SJ/JU
Sample : I5548-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

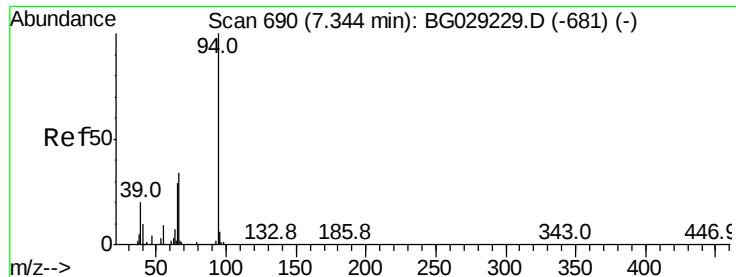
Instrument :
BNA_G
ClientSampled :
C0AB7

Manual Integrations
APPROVED

Sohil
10/16/2017 7:43:45 PM

Quant Time: Oct 15 03:43:40 2017
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 2.631 ng/ul

RT: 7.35 min Scan# 691

Delta R.T. 0.00 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

Instrument :

BNA_G

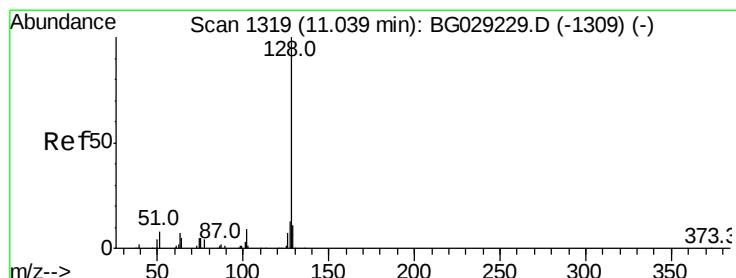
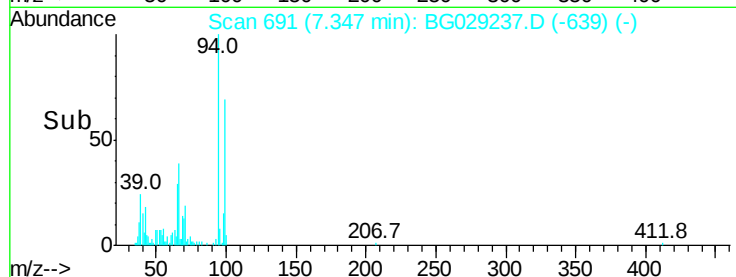
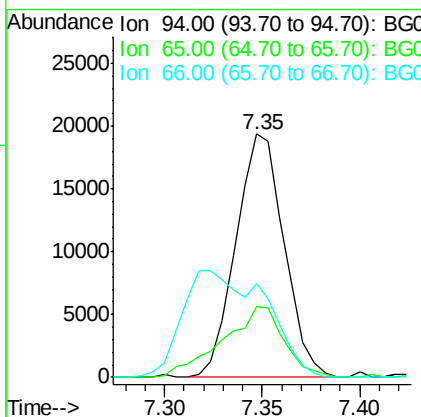
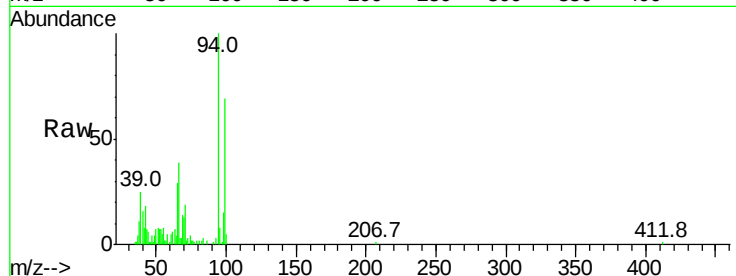
ClientSampleId :

C0AB7

Tot Ion:	94	Resp:	33133
Ion Ratio	Lower	Upper	
94	100		
65	29.0	27.1	40.7
66	38.5	34.6	52.0

Manual Integrations
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#28

Naphthalene

Concen: 4.642 ng/ul

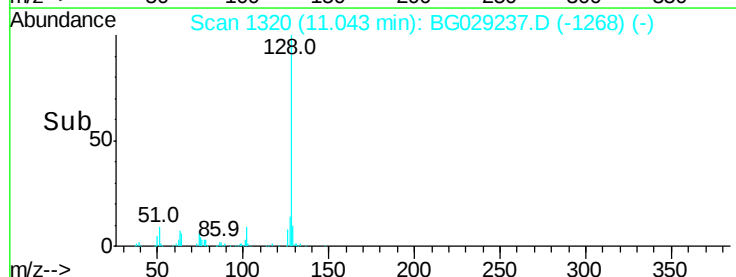
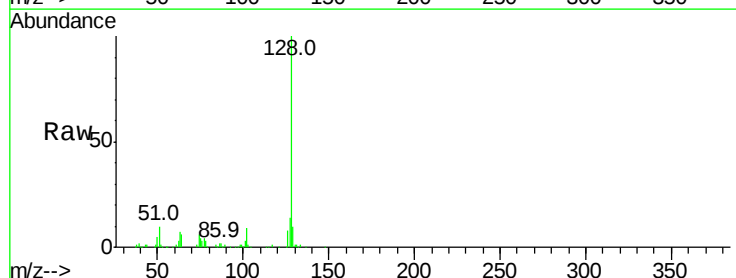
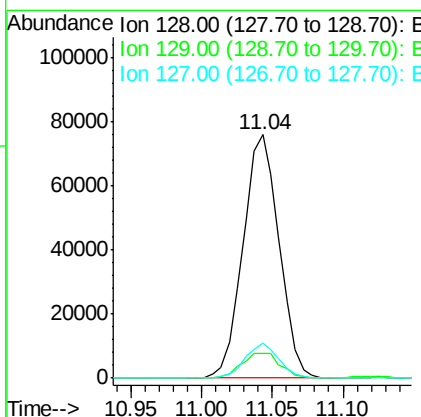
RT: 11.04 min Scan# 1320

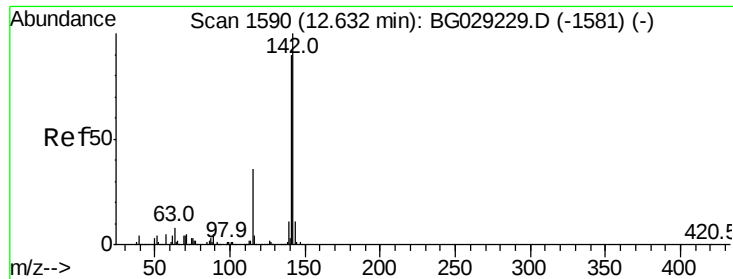
Delta R.T. 0.00 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

Tgt Ion:	128	Resp:	135493
Ion Ratio	Lower	Upper	
128	100		
129	10.2	9.3	13.9
127	14.2	10.7	16.1





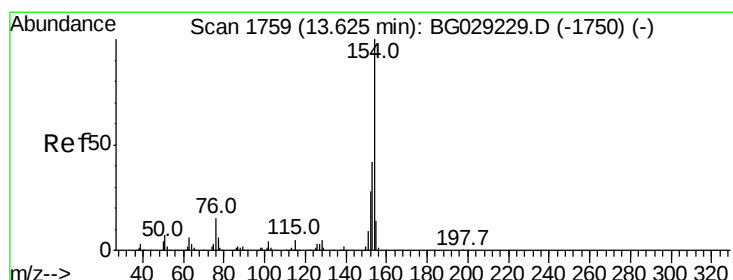
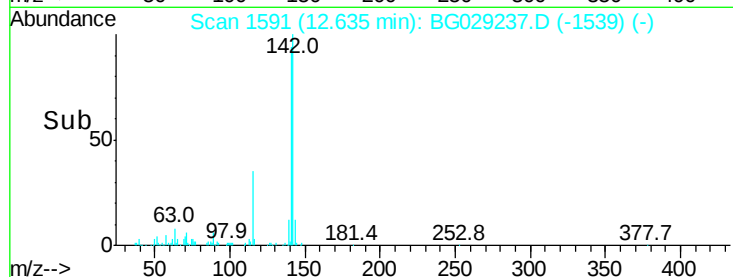
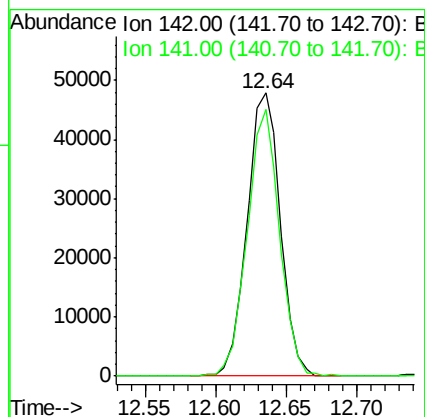
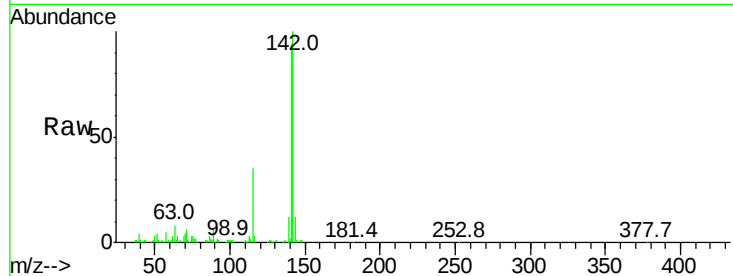
#34
 2-Methylnaphthalene
 Concen: 3.276 ng/ul
 RT: 12.64 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: BG029237.D
 Acq: 15 Oct 2017 00:14

Instrument :
 BNA_G
 ClientSampled :
 C0AB7

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.2	75.4	113.0

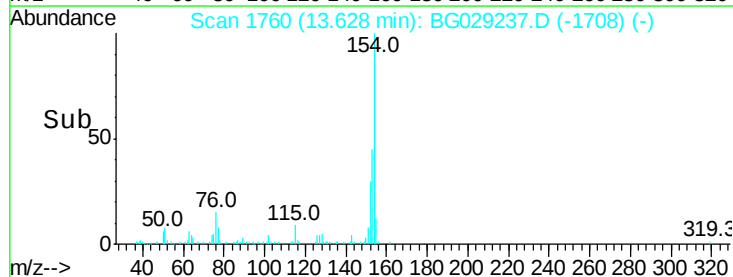
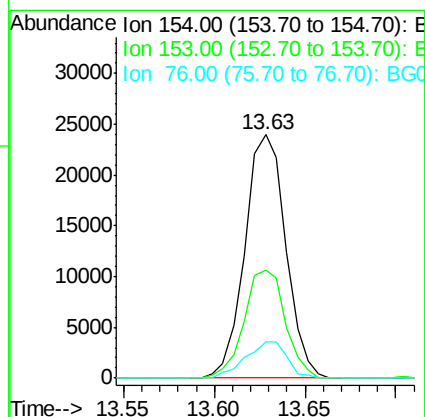
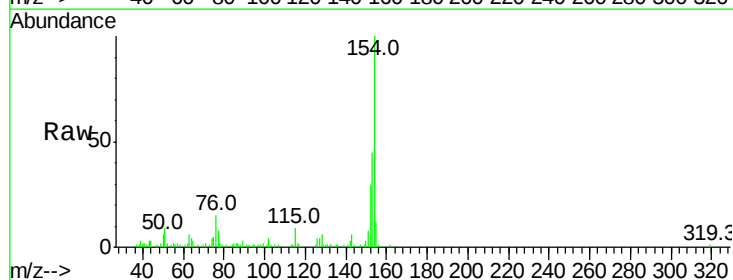
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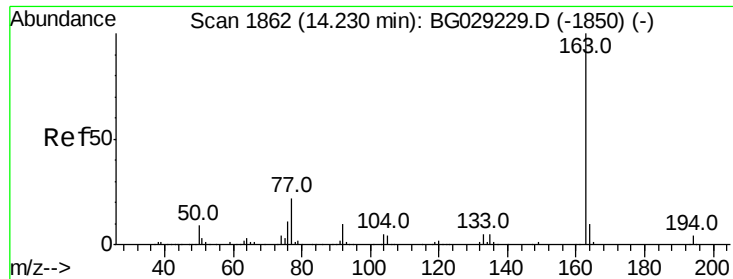
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 10/16/2017 7:43:45 PM



#40
 1,1'-Biphenyl
 Concen: 1.363 ng/ul
 RT: 13.63 min Scan# 1760
 Delta R.T. 0.00 min
 Lab File: BG029237.D
 Acq: 15 Oct 2017 00:14

Tgt Ion	Ratio	Lower	Upper
154	100		
153	44.6	34.6	52.0
76	14.9	10.6	15.8





#44

Dimethylphthalate

Concen: 9.791 ng/ul

RT: 14.23 min Scan# 1863

Delta R.T. 0.00 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

Instrument :

BNA_G

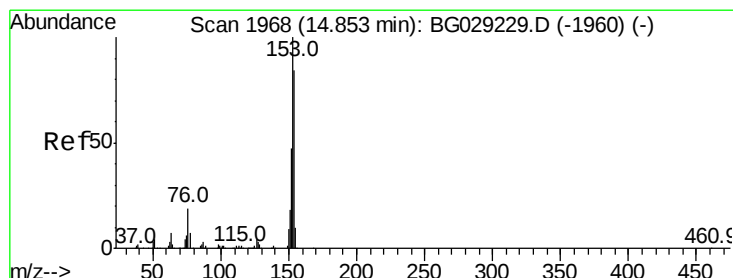
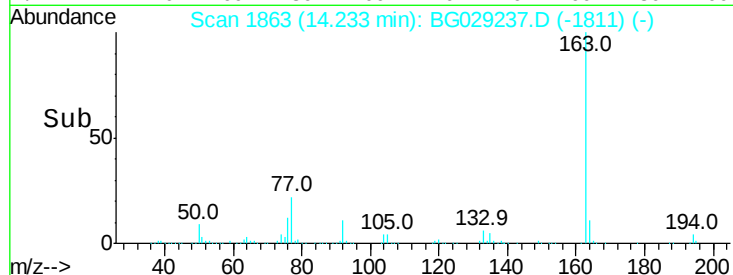
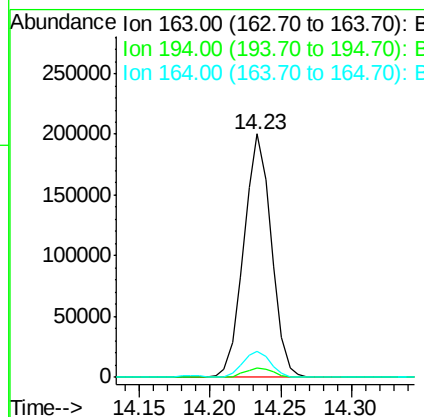
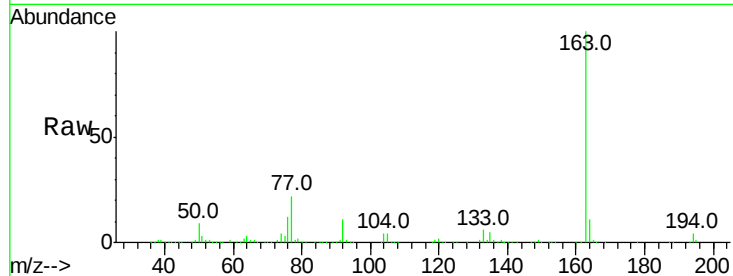
ClientSampled :

C0AB7

Tot Ion:	163	Resp:	272325
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.5	5.3
164	10.7	7.6	11.4

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#49

Acenaphthene

Concen: 20.361 ng/ul

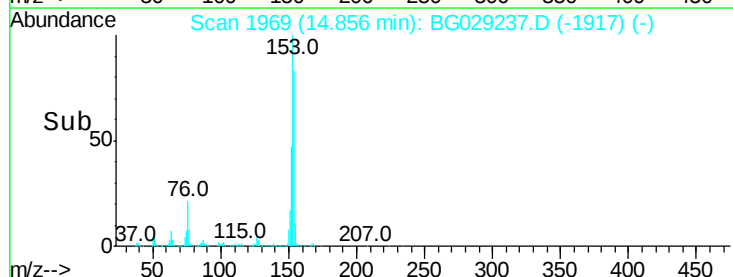
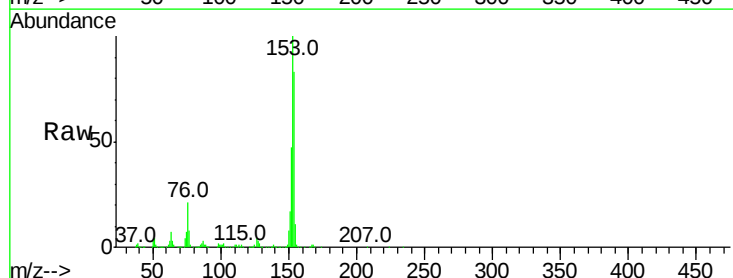
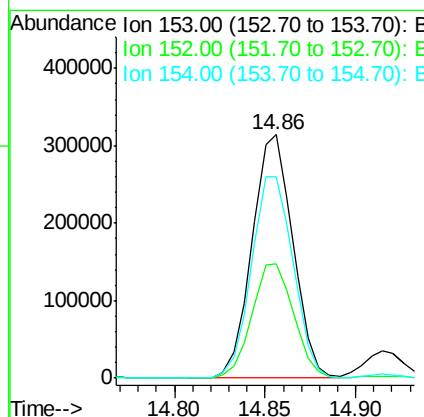
RT: 14.86 min Scan# 1969

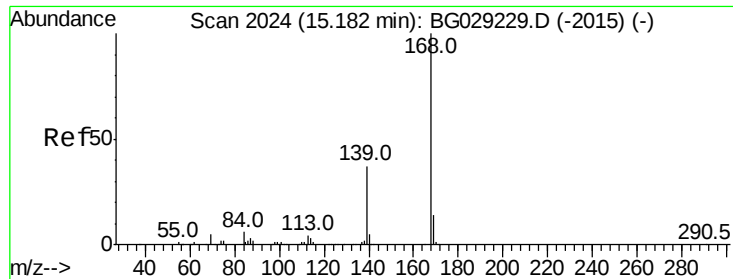
Delta R.T. 0.00 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

Tgt Ion:	153	Resp:	492777
Ion Ratio	Lower	Upper	
153	100		
152	47.1	38.2	57.2
154	82.9	70.6	105.8





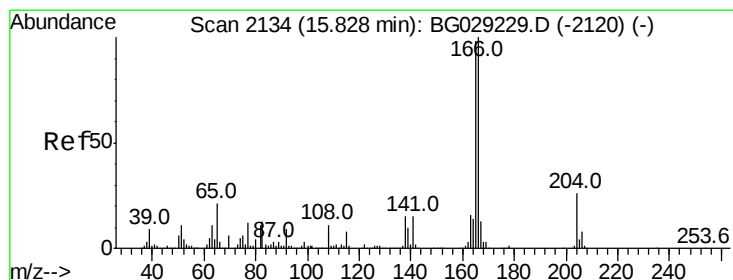
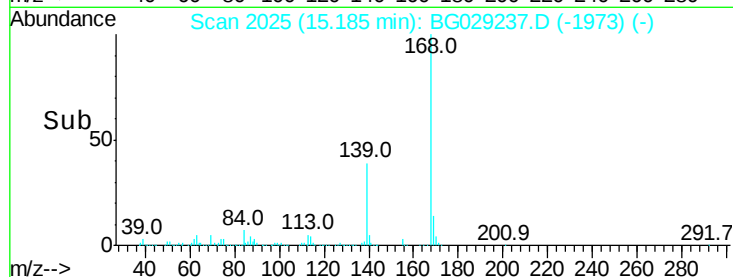
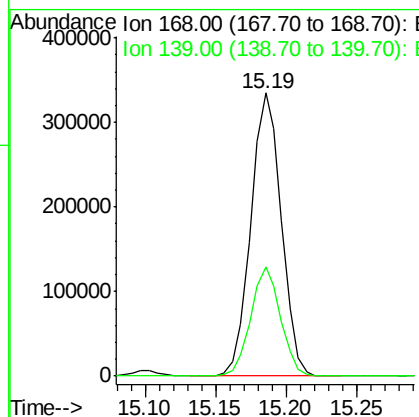
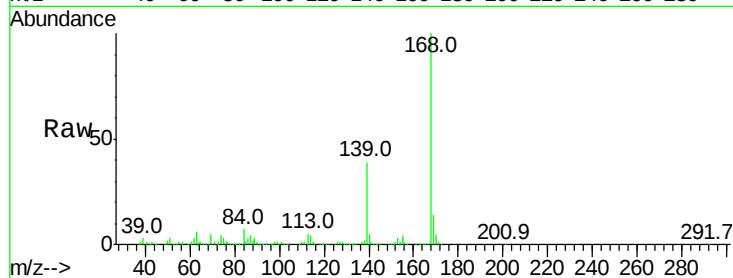
#53
Dibenzenofuran
Concen: 15.324 ng/ul
RT: 15.19 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BG029237.D
Acq: 15 Oct 2017 00:14

Instrument :
BNA_G
ClientSampleId :
C0AB7

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.7	31.4	47.2

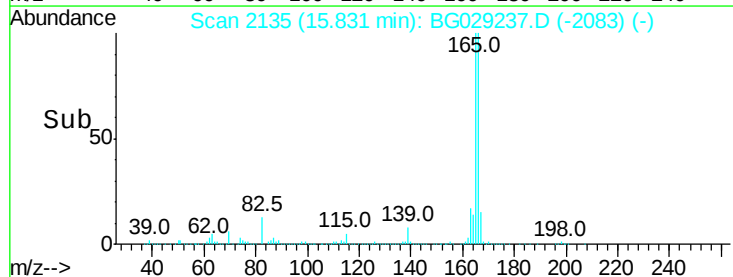
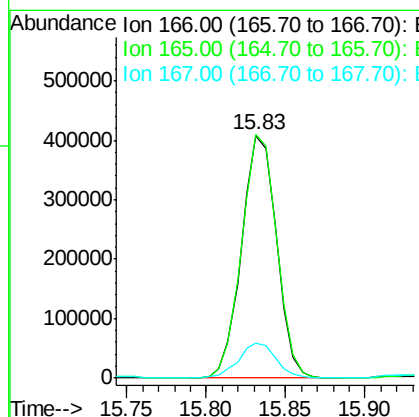
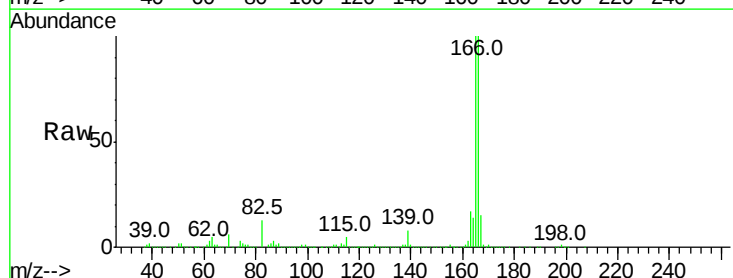
Manual Integrations
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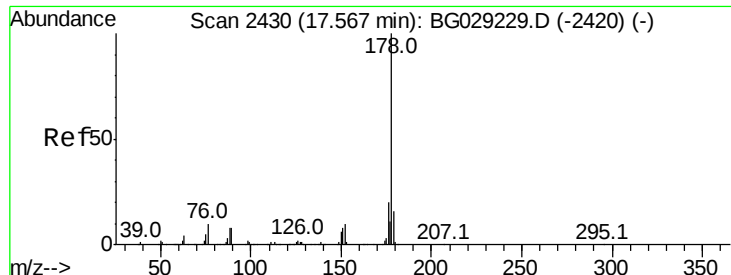
Sohil
10/16/2017 7:43:45 PM



#58
Fluorene
Concen: 23.611 ng/ul
RT: 15.83 min Scan# 2135
Delta R.T. 0.00 min
Lab File: BG029237.D
Acq: 15 Oct 2017 00:14

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.5	79.9	119.9
167	14.7	10.6	16.0





#69

Phenanthrene

Concen: 143.690 ng/ul m

RT: 17.58 min Scan# 2433

Delta R.T. 0.02 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

Instrument :

BNA_G

ClientSampleId :

C0AB7

Tot Ion:178 Resp: 5388743

Ion Ratio Lower Upper

178 100

179 30.9 13.0 19.6#

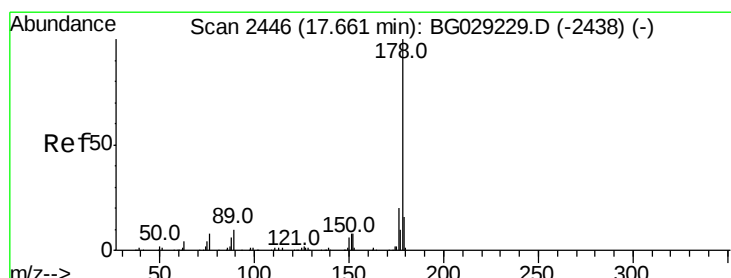
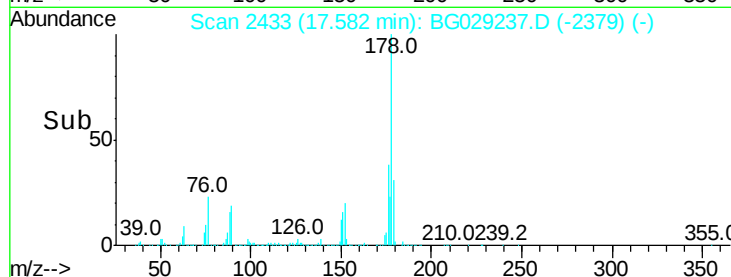
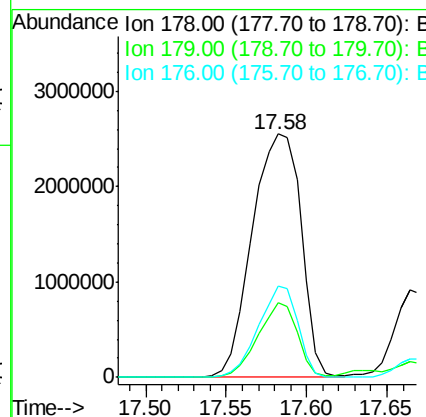
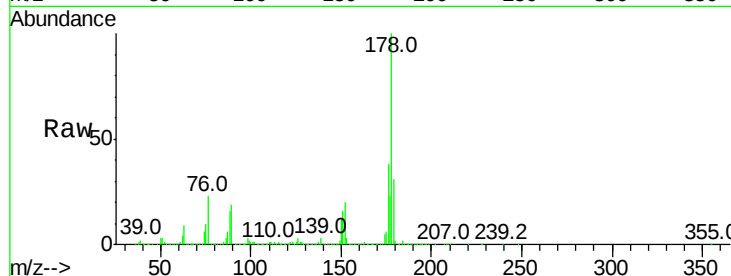
176 37.5 15.3 22.9#

Manual Integrations

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#71

Anthracene

Concen: 37.320 ng/ul

RT: 17.66 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

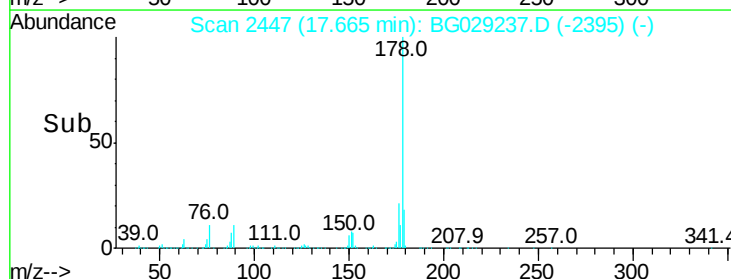
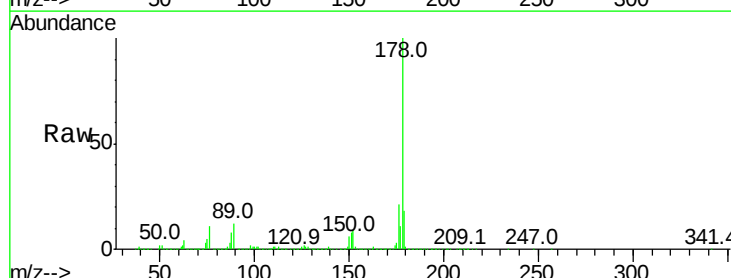
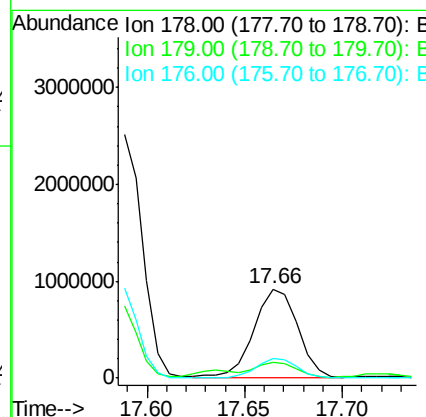
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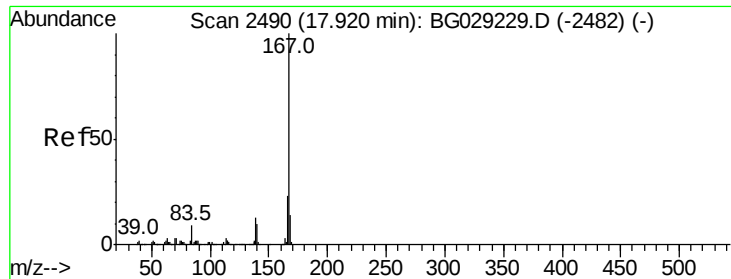
Ion Ratio Lower Upper

178 100

179 18.1 13.2 19.8

176 21.4 16.0 24.0





#72

Carbazole

Concen: 24.122 ng/ul

RT: 17.93 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

Instrument :

BNA_G

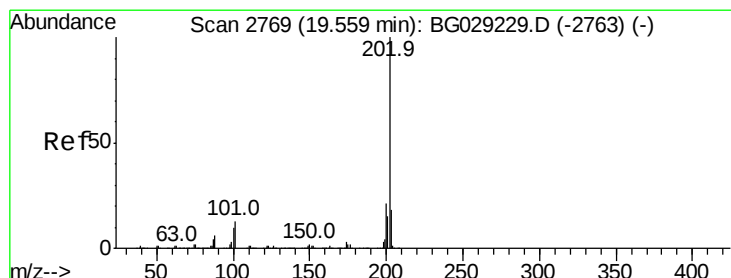
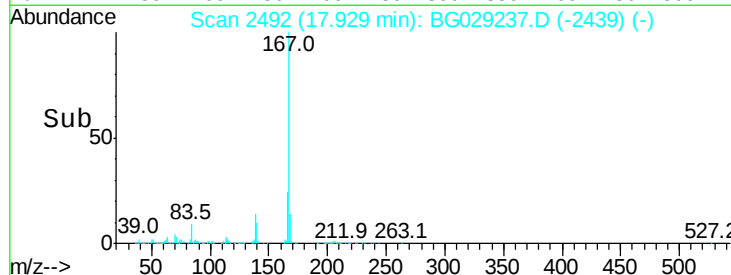
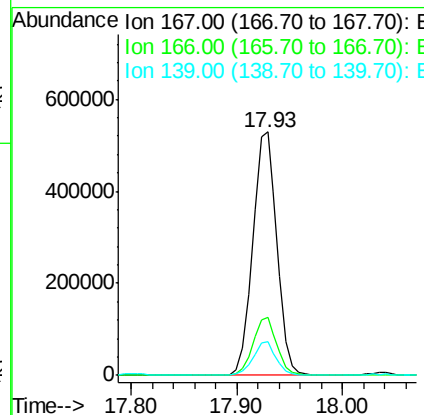
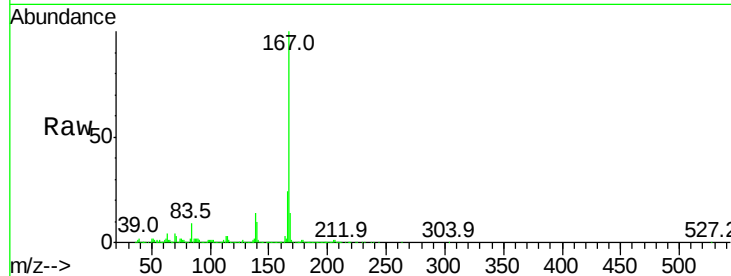
ClientSampleId :

C0AB7

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.7	18.6	28.0
139	13.8	10.6	16.0

Manual Integrations
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#74

Fluoranthene

Concen: 133.545 ng/ul

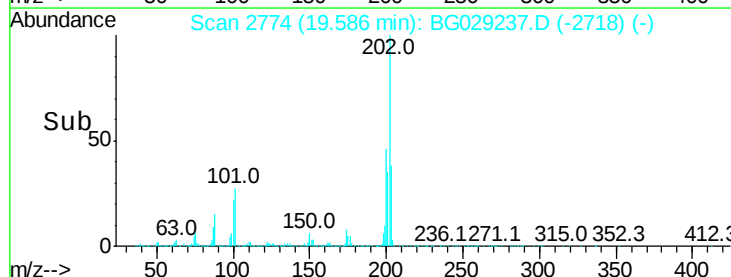
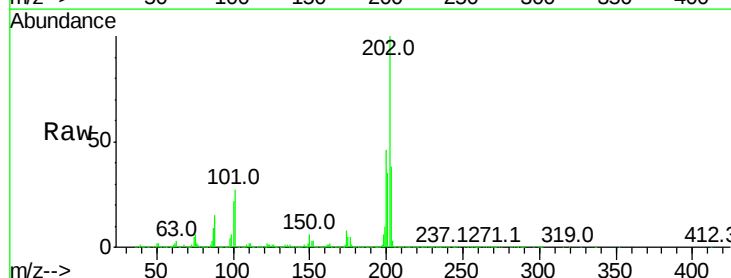
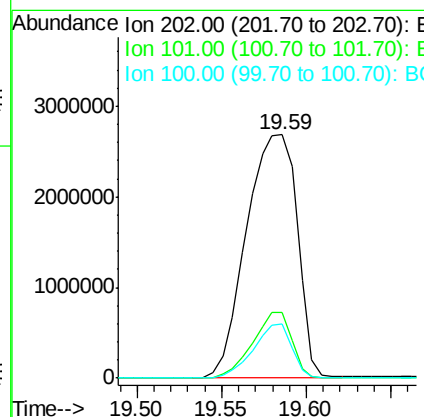
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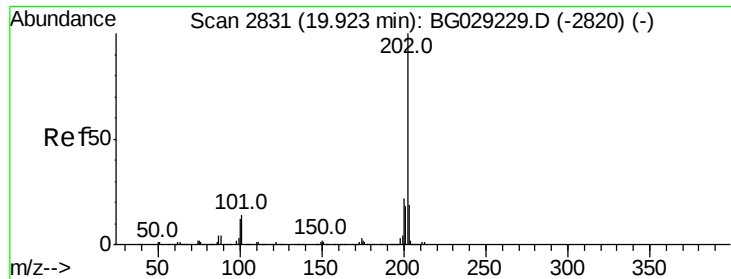
Delta R.T. 0.03 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	27.0	7.4	11.2#
100	22.1	5.6	8.4#





#77

Pvrene

Concen: 125.902 ng/ul

RT: 19.94 min Scan# 2835

Delta R.T. 0.02 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

Instrument :

BNA_G

ClientSampleId :

C0AB7

Tot Ion:202 Resp: 5008810

Ion Ratio Lower Upper

202 100

101 26.0 8.4 12.6#

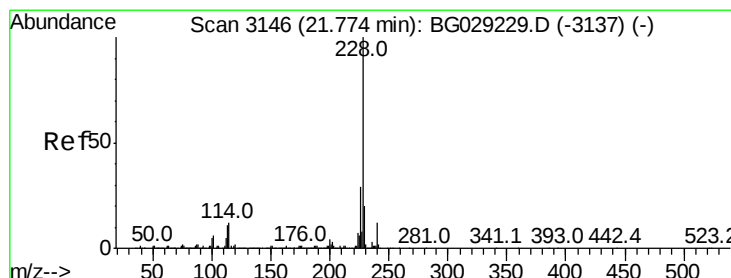
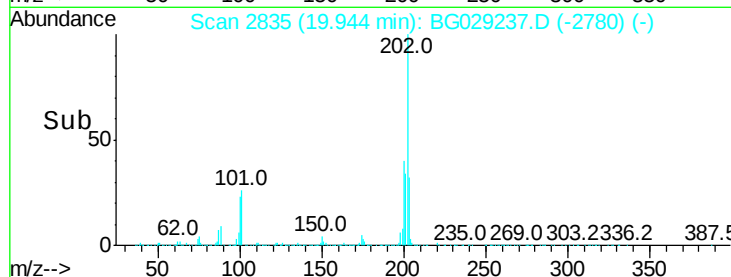
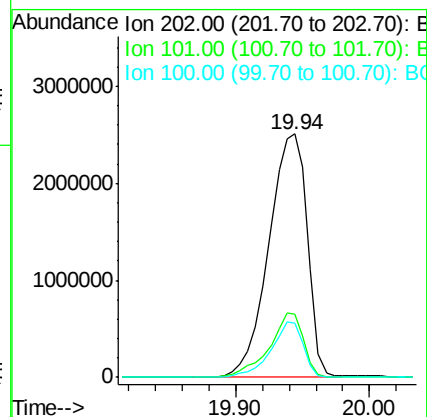
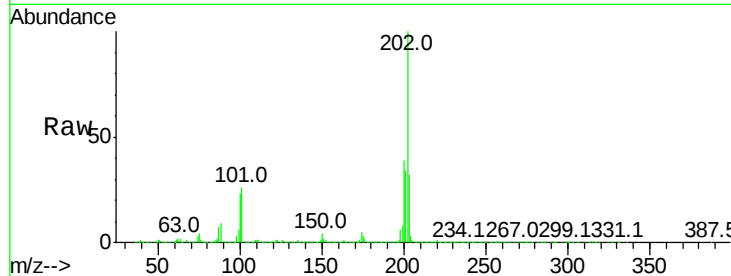
100 22.5 7.0 10.6#

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#80

Benzo(a)anthracene

Concen: 76.132 ng/ul

RT: 21.79 min Scan# 3149

Delta R.T. 0.02 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

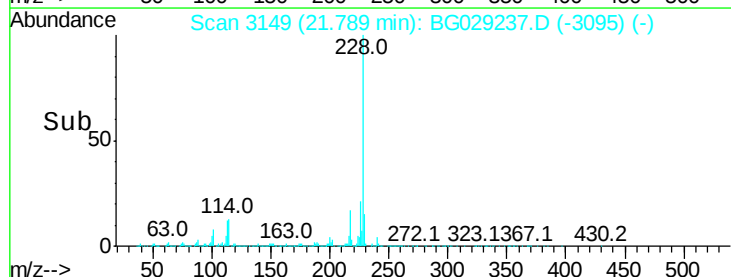
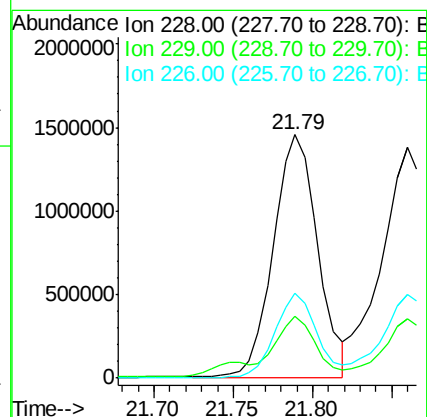
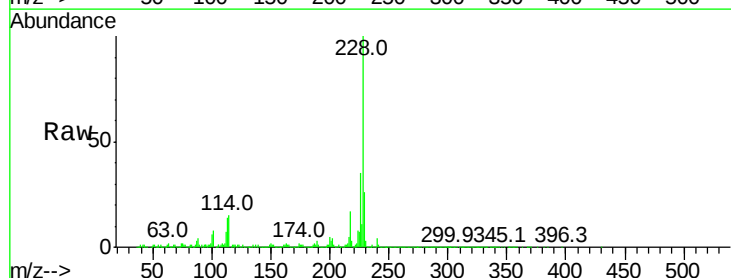
Tgt Ion:228 Resp: 2832143

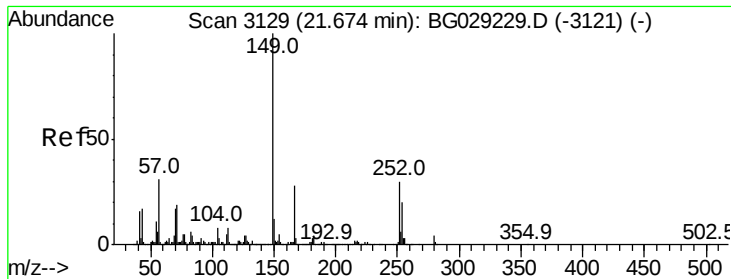
Ion Ratio Lower Upper

228 100

229 25.6 16.2 24.4#

226 34.6 22.2 33.2#





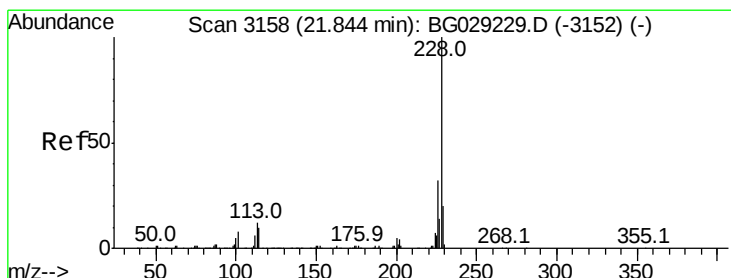
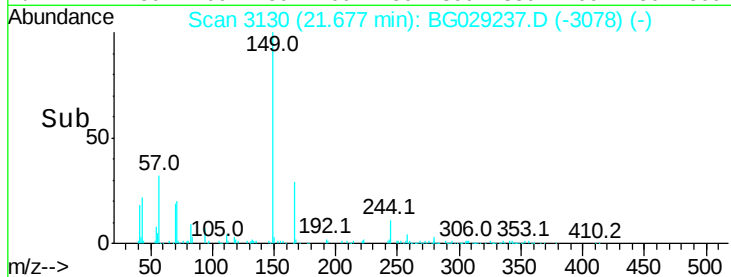
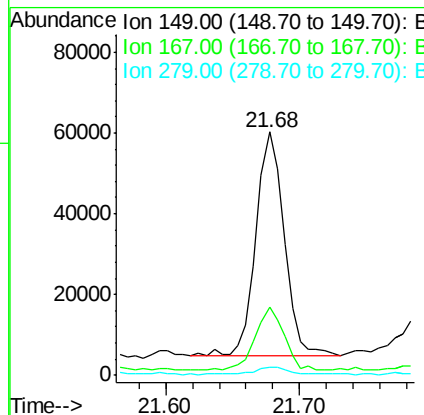
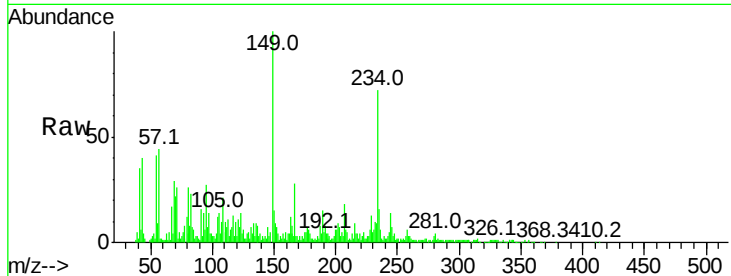
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 3.480 ng/ul
 RT: 21.68 min Scan# 3130
 Delta R.T. 0.00 min
 Lab File: BG029237.D
 Acq: 15 Oct 2017 00:14

Instrument :
 BNA_G
 ClientSampleId :
 C0AB7

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.2	23.2	34.8
279	3.4	3.1	4.7

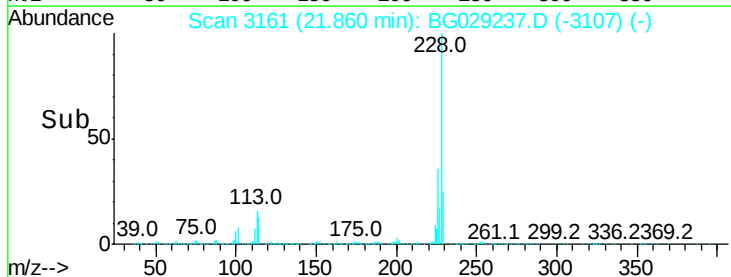
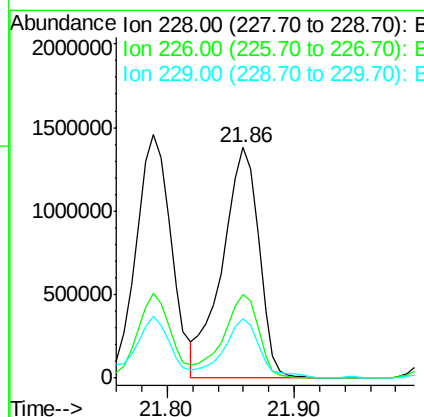
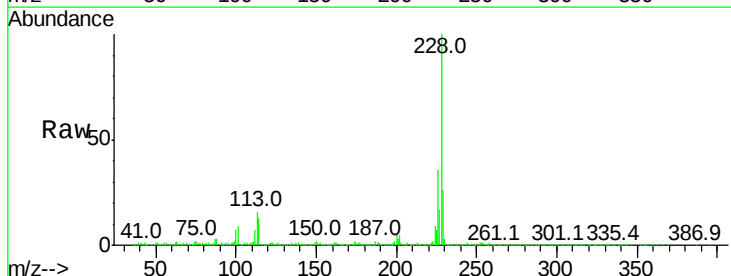
Manual Integrations
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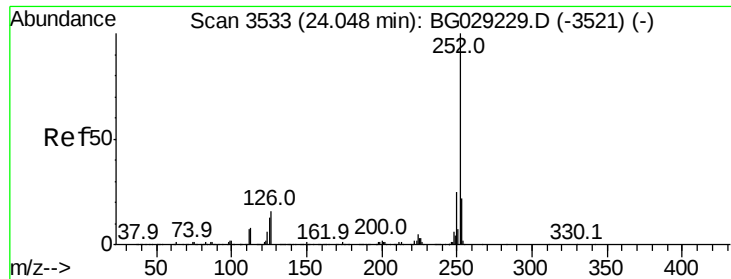
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#82
 Chrysene
 Concen: 81.251 ng/ul
 RT: 21.86 min Scan# 3161
 Delta R.T. 0.02 min
 Lab File: BG029237.D
 Acq: 15 Oct 2017 00:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.5	24.2	36.2#
229	25.7	15.2	22.8#





#85

Benzo(b)fluoranthene

Concen: 86.930 ng/ul

RT: 24.09 min Scan# 3541

Delta R.T. 0.04 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

Instrument :

BNA_G

ClientSampled :

C0AB7

Tot Ion:252 Resp: 3180903

Ion Ratio Lower Upper

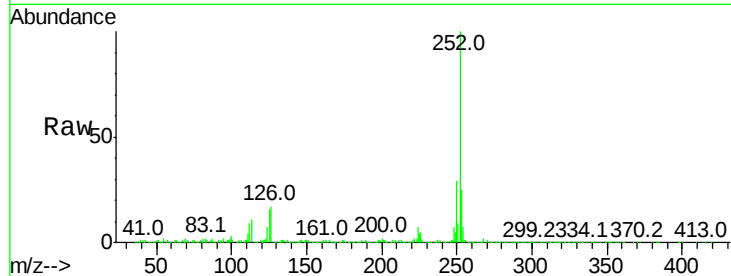
252 100

253 24.7 17.0 25.4

125 16.4 7.5 11.3#

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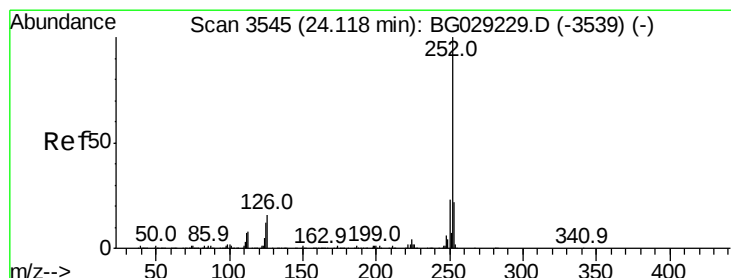
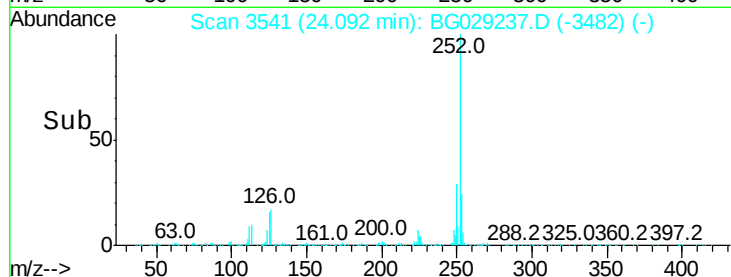
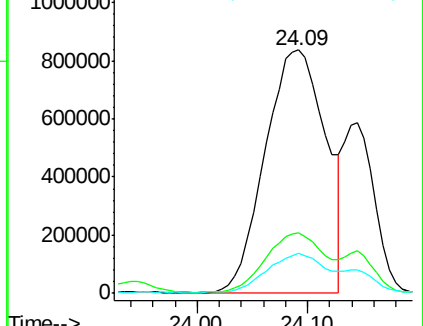
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#86

Benzo(k)fluoranthene

Concen: 32.059 ng/ul

RT: 24.15 min Scan# 3550

Delta R.T. 0.03 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

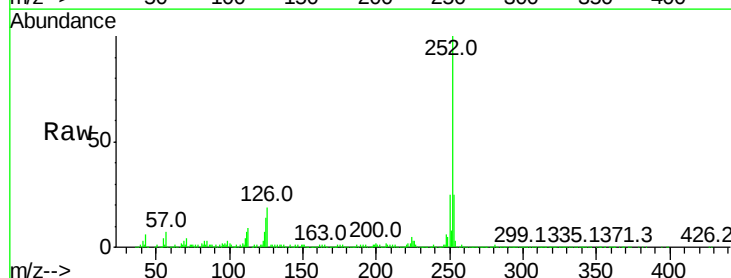
Tgt Ion:252 Resp: 1134192

Ion Ratio Lower Upper

252 100

253 25.4 17.2 25.8

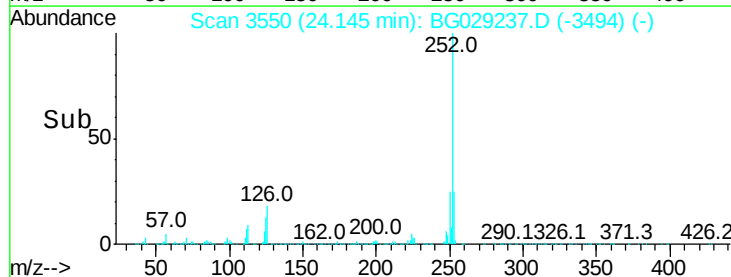
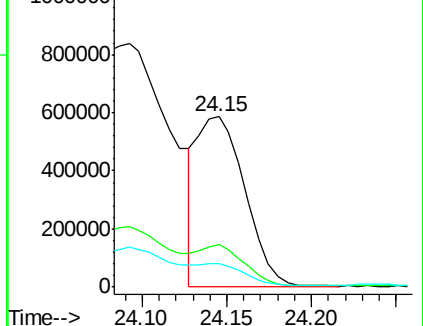
125 14.0 7.8 11.8#

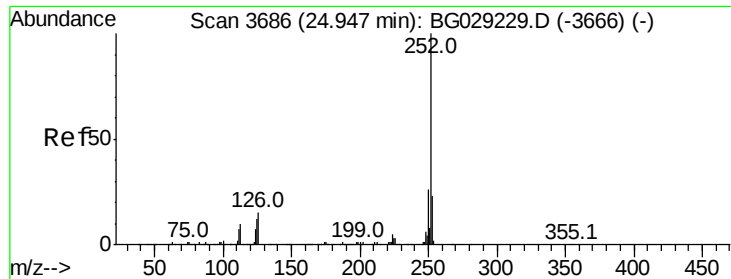


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





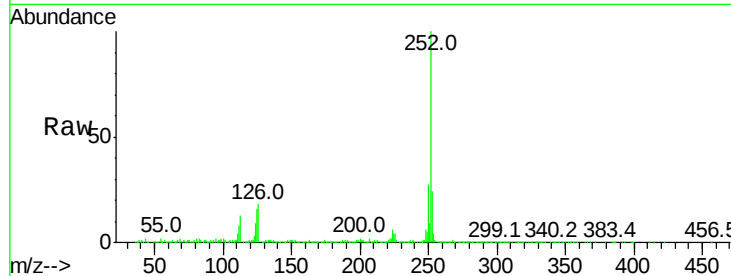
#88
Benzo(a)pyrene
Concen: 60.753 ng/ul
RT: 24.98 min Scan# 3692
Delta R.T. 0.03 min
Lab File: BG029237.D
Acq: 15 Oct 2017 00:14

Instrument :
BNA_G
ClientSampled :
C0AB7

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	15.9	7.8	11.8#

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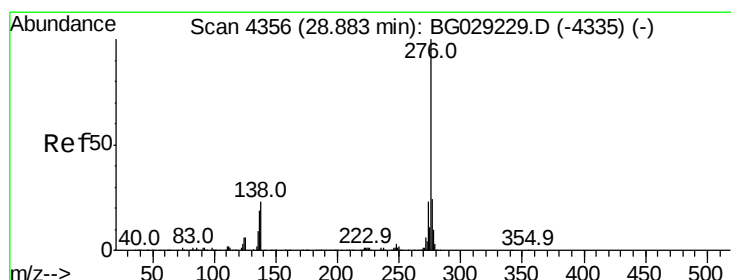
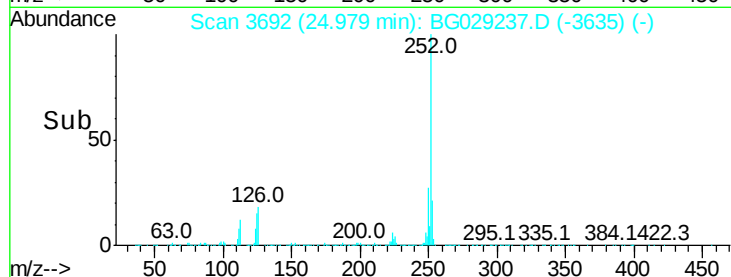
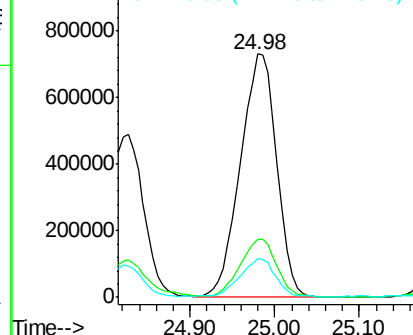


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Indeno(1,2,3-cd)pyrene
Concen: 36.270 ng/ul
RT: 28.94 min Scan# 4366
Delta R.T. 0.06 min
Lab File: BG029237.D
Acq: 15 Oct 2017 00:14

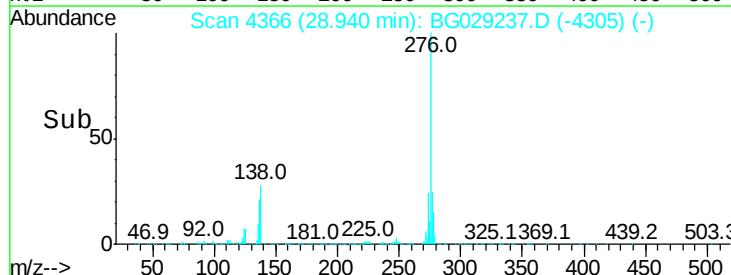
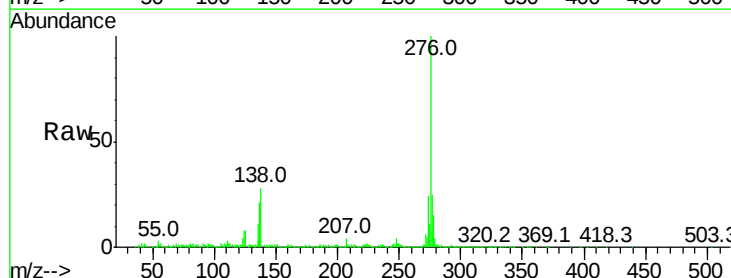
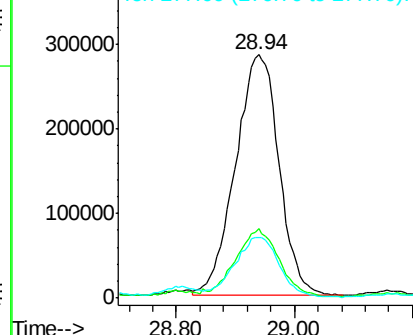
Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.5	13.4	20.0#
277	25.0	18.6	28.0

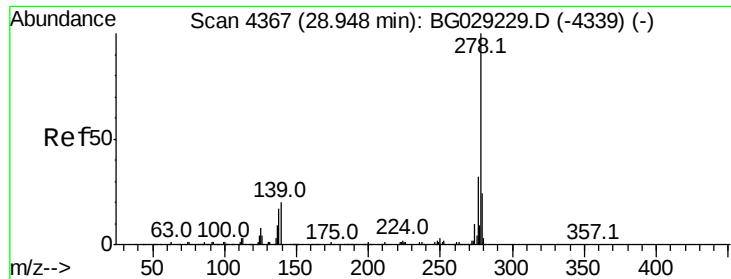
Abundance

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





#90

Dibenzo(a,h)anthracene

Concen: 10.987 ng/ul

RT: 28.99 min Scan# 4374

Delta R.T. 0.04 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

Instrument :

BNA_G

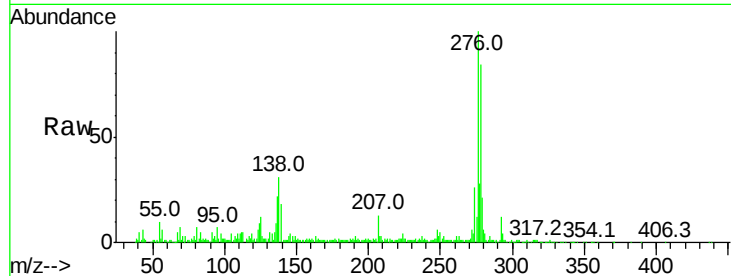
ClientSampled :

C0AB7

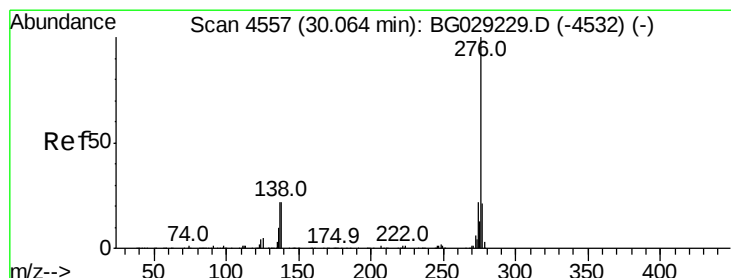
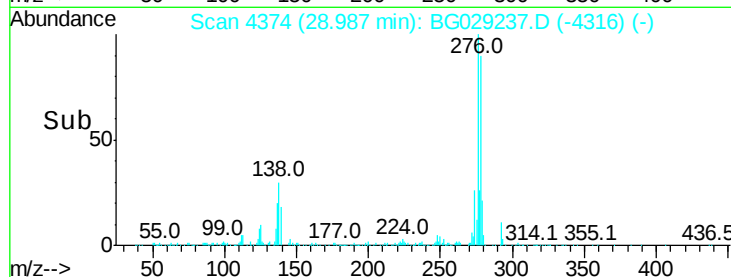
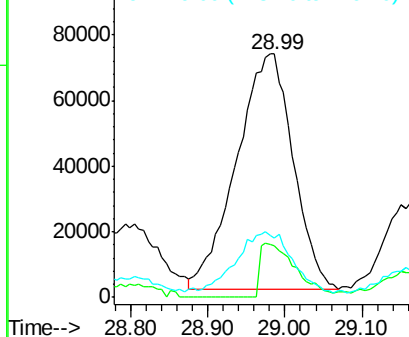
Tot Ion:	278	Resp:	367819
Ion Ratio	Lower	Upper	
278	100		
139	21.2	9.4	14.2#
279	24.6	18.4	27.6

Manual Integrations
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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: 34.766 ng/ul

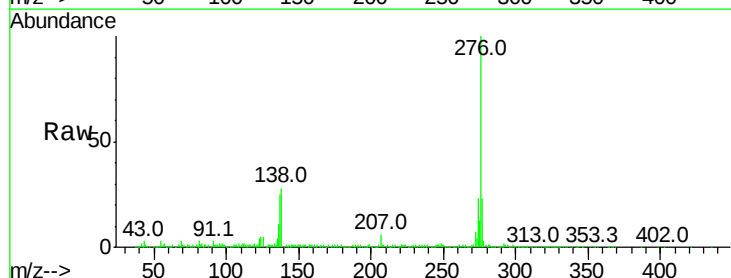
RT: 30.13 min Scan# 4568

Delta R.T. 0.06 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

Tgt Ion:	276	Resp:	1161296
Ion Ratio	Lower	Upper	
276	100		
138	28.1	12.1	18.1#
277	22.8	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

