

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102517\
 Data File : BG029475.D
 Acq On : 26 Oct 2017 12:58
 Operator : SJ/JU
 Sample : I5792-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 B0D38

Manual Integrations
 APPROVED

Sohil
 10/27/2017 5:32:48 PM

Quant Time: Oct 26 17:32:30 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 09:08:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	94300	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	436542	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	273103	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	576712	20.00	ng/ul	0.00
75) Chrysene-d12	21.81	240	608279	20.00	ng/ul	0.00
83) Perylene-d12	25.13	264	612469	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	13298	5.73	ng/uL	0.00
5) Phenol-d5	7.32	99	306418	33.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	183772	32.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	249496	39.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	249887	34.18	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	132212	42.19	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	154449	48.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	280148	38.29	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	270080	31.77	ng/ul	0.00
43) Dimethylphthalate-d6	14.19	166	833218	35.69	ng/ul	0.00
46) Acenaphthylene-d8	14.49	160	1066159	37.55	ng/ul	0.00
51) 4-Nitrophenol-d4	14.98	143	111433	25.85	ng/ul	0.00
57) Fluorene-d10	15.78	176	751032	39.27	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	95727	34.00	ng/ul	0.00
70) Anthracene-d10	17.63	188	1050498	38.51	ng/ul	0.00
76) Pyrene-d10	19.90	212	1204497	38.25	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.91	264	1204430	41.52	ng/ul	0.03

Target Compounds

					Ovalue	
6) Phenol	7.35	94	35723	3.814	ng/ul	95
28) Naphthalene	11.04	128	113033	4.893	ng/ul	99
34) 2-Methylnaphthalene	12.63	142	79764	4.172	ng/ul	96
40) 1,1'-Biphenyl	13.63	154	23238	1.032	ng/ul#	88
44) Dimethylphthalate	14.23	163	45799	2.011	ng/ul	98
47) Acenaphthylene	14.52	152	80084	2.765	ng/ul#	90
49) Acenaphthene	14.86	153	25182	1.271	ng/ul	93
53) Dibenzofuran	15.19	168	122135	4.508	ng/ul	96
58) Fluorene	15.83	166	108473	5.019	ng/ul	97
69) Phenanthrene	17.58	178	2090122m	67.042	ng/ul	
71) Anthracene	17.66	178	79207	2.462	ng/ul	99
72) Carbazole	17.92	167	128857	4.456	ng/ul	98
74) Fluoranthene	19.57	202	2321976	66.642	ng/ul#	94
77) Pyrene	19.94	202	2081791	51.065	ng/ul#	96
80) Benzo(a)anthracene	21.78	228	651969	17.103	ng/ul	98
82) Chrysene	21.85	228	1142868	32.996	ng/ul#	93
85) Benzo(b)fluoranthene	24.08	252	1184700	32.221	ng/ul	97
86) Benzo(k)fluoranthene	24.14	252	437052m	12.294	ng/ul	
88) Benzo(a)pyrene	24.98	252	715118	19.981	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	28.93	276	465012	11.484	ng/ul	98
90) Dibenzo(a,h)anthracene	28.99	278	105460m	3.135	ng/ul	
91) Benzo(a,h,i)perylene	30.13	276	374809	11.167	ng/ul#	93

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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

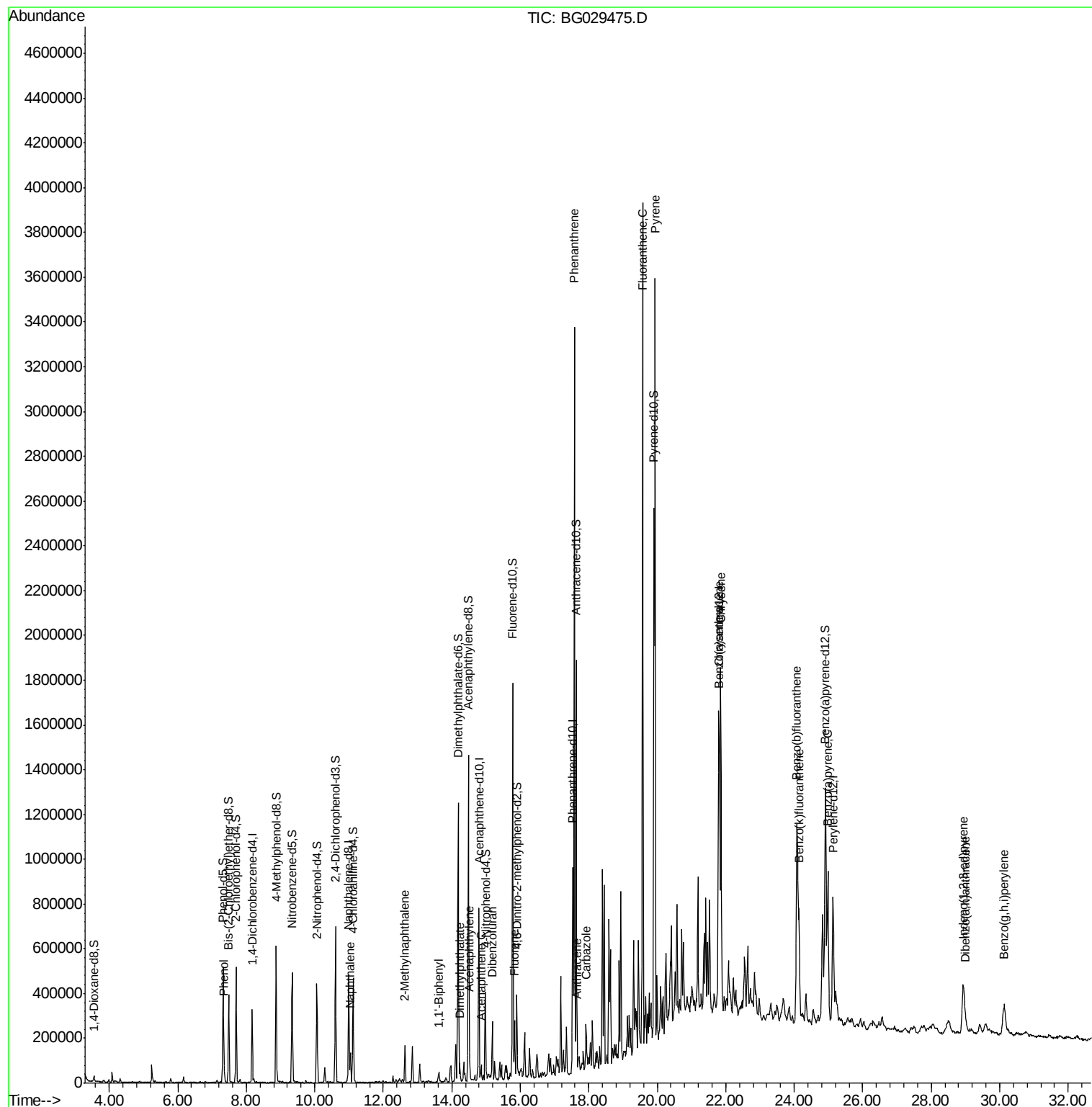
Data Path : Z:\HPCHEM1\BNA G\DATA\BG102517\
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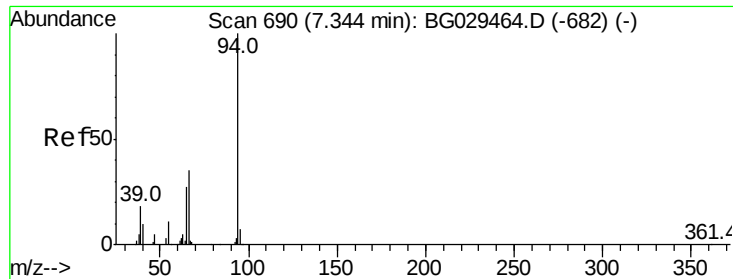
Instrument :
BNA_G
ClientSampled :
B0D38

Manual Integrations
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#6

Phenol

Concen: 3.814 ng/ul

RT: 7.35 min Scan# 691

Delta R.T. 0.00 min

Lab File: BG029475.D

Acq: 26 Oct 2017 12:58

Instrument :

BNA_G

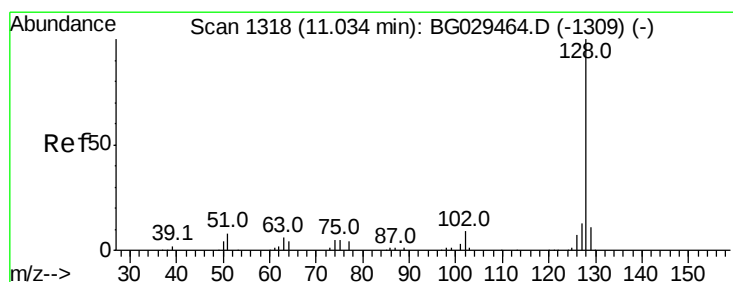
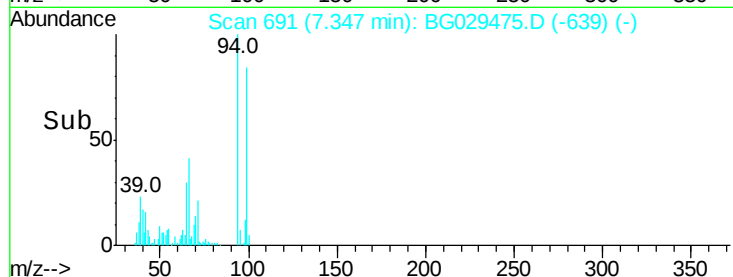
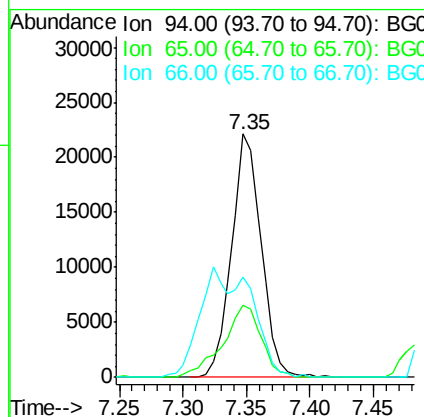
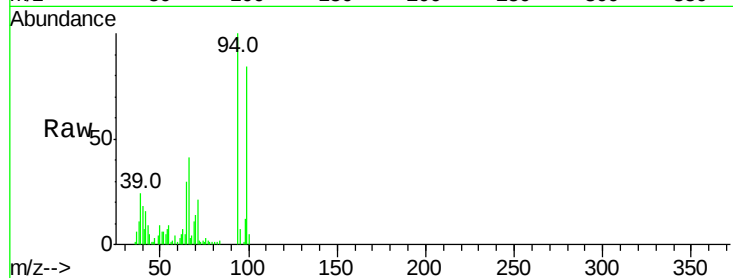
ClientSampled :

B0D38

Tot Ion:	94	Resp:	35723
Ion Ratio	Lower	Upper	
94	100		
65	29.6	27.1	40.7
66	40.9	34.6	52.0

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#28

Naphthalene

Concen: 4.893 ng/ul

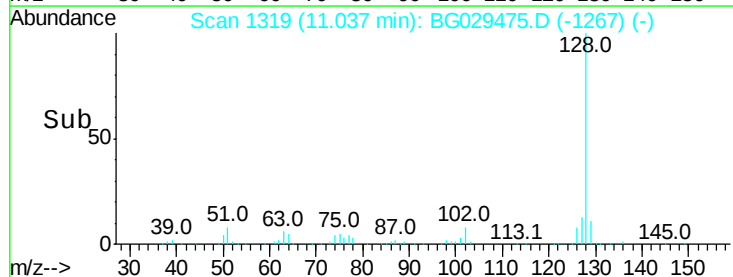
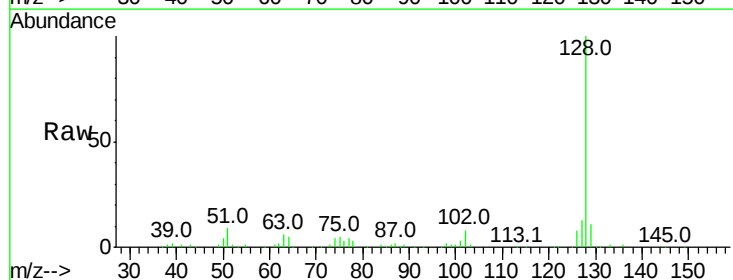
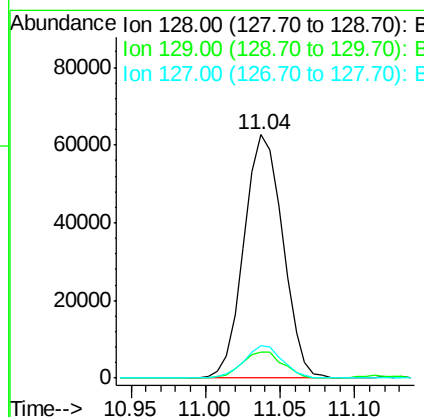
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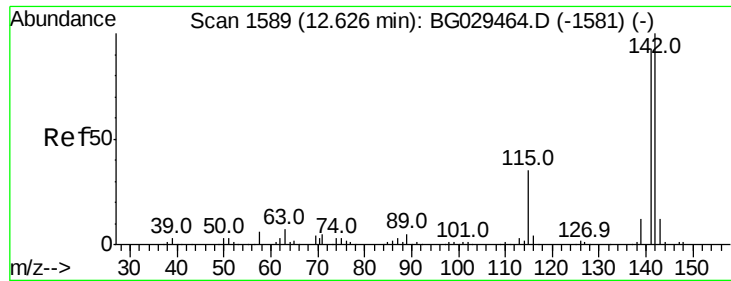
Delta R.T. 0.00 min

Lab File: BG029475.D

Acq: 26 Oct 2017 12:58

Tgt Ion:	128	Resp:	113033
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.3	13.9
127	13.5	10.7	16.1





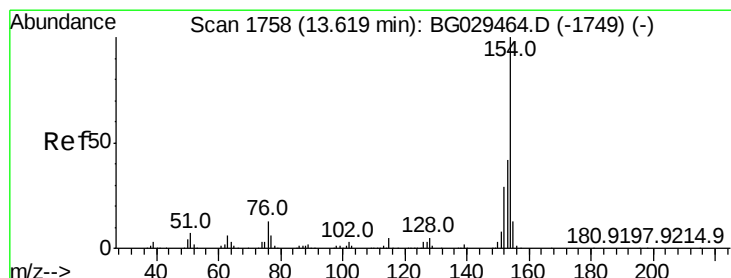
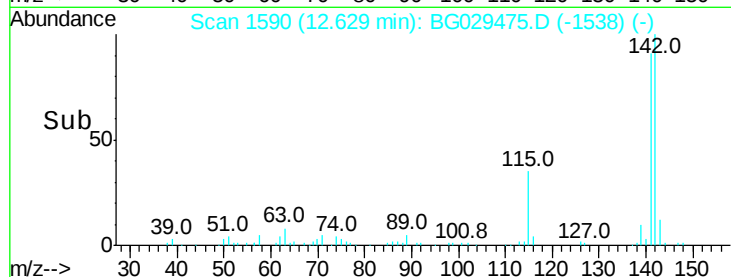
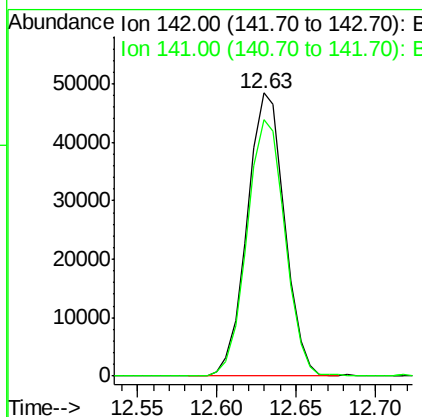
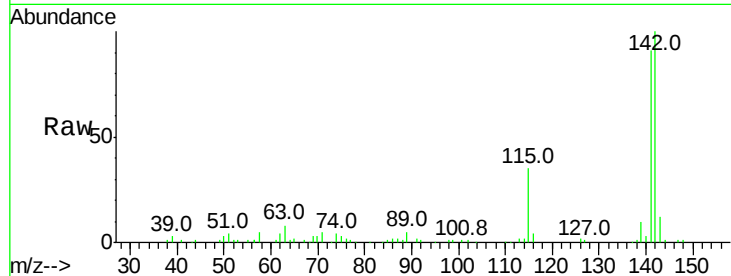
#34
 2-Methylnaphthalene
 Concen: 4.172 ng/ul
 RT: 12.63 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: BG029475.D
 Acq: 26 Oct 2017 12:58

Instrument :
 BNA_G
 ClientSampled :
 B0D38

Tot Ion:142 Resp: 79764
 Ion Ratio Lower Upper
 142 100
 141 90.8 75.4 113.0

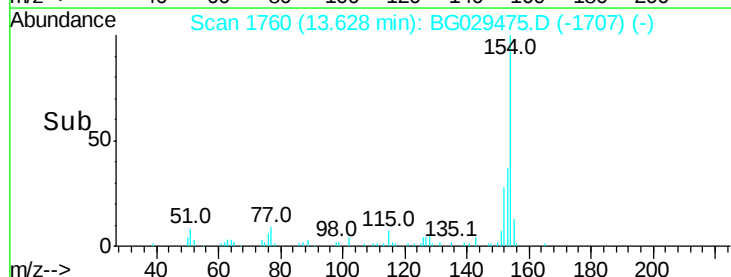
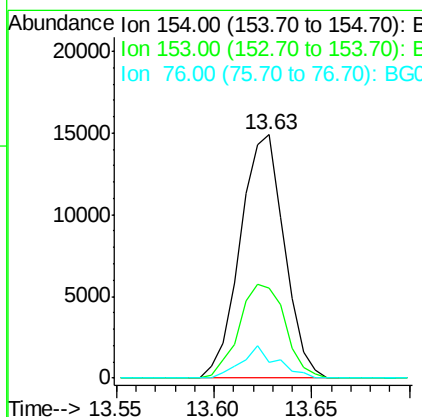
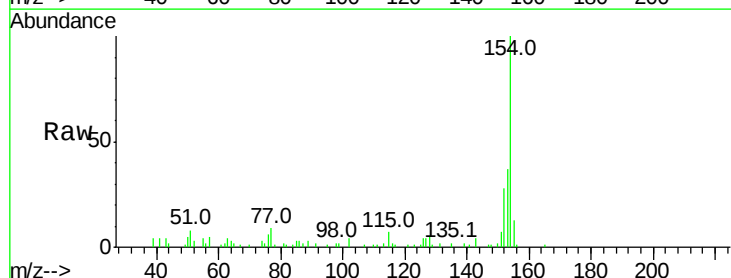
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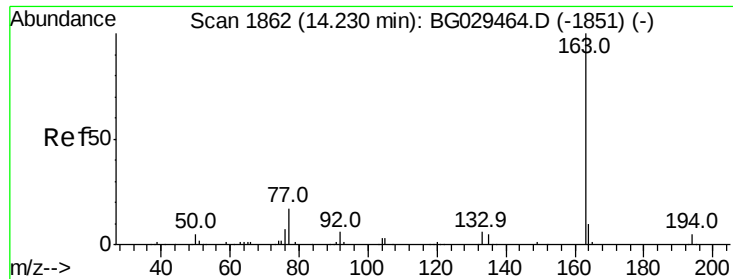
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#40
 1,1'-Biphenyl
 Concen: 1.032 ng/ul
 RT: 13.63 min Scan# 1760
 Delta R.T. 0.01 min
 Lab File: BG029475.D
 Acq: 26 Oct 2017 12:58

Tgt Ion:154 Resp: 23238
 Ion Ratio Lower Upper
 154 100
 153 36.9 34.6 52.0
 76 6.5 10.6 15.8#





#44

Dimethylphthalate

Concen: 2.011 ng/ul

RT: 14.23 min Scan# 1863

Delta R.T. 0.00 min

Lab File: BG029475.D

Acq: 26 Oct 2017 12:58

Instrument :

BNA_G

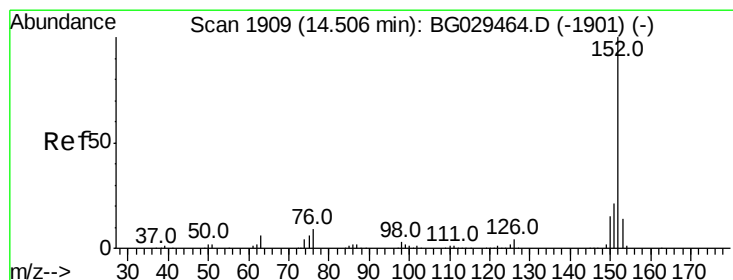
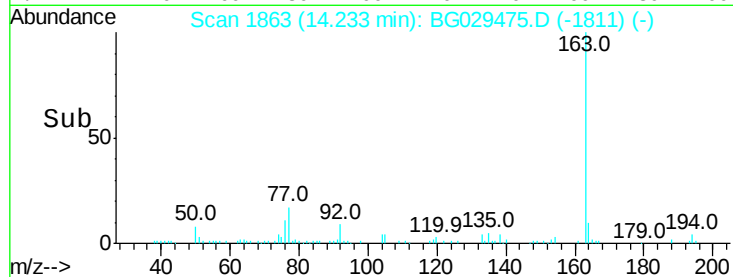
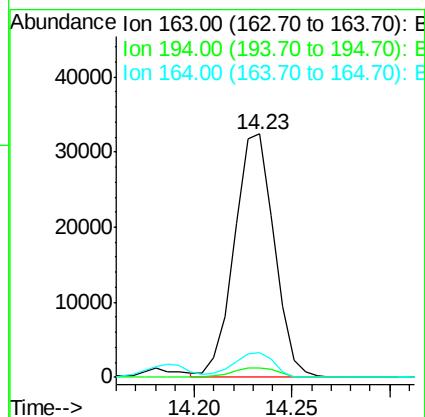
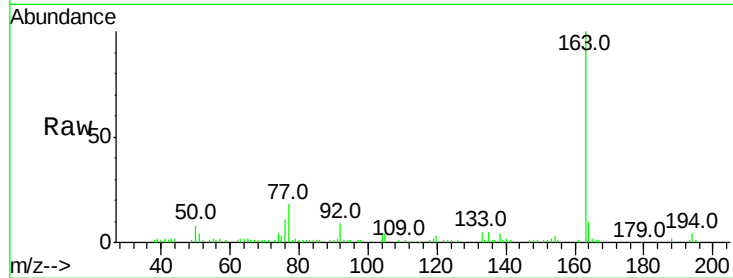
ClientSampleId :

B0D38

Tot Ion:	163	Resp:	45799
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.5	5.3
164	10.2	7.6	11.4

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#47

Acenaphthylene

Concen: 2.765 ng/ul

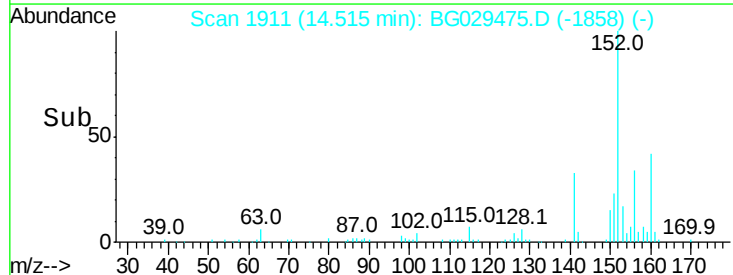
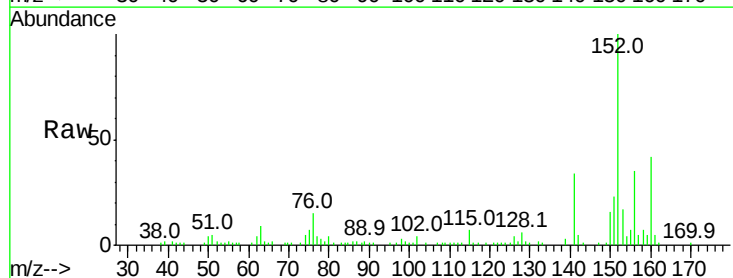
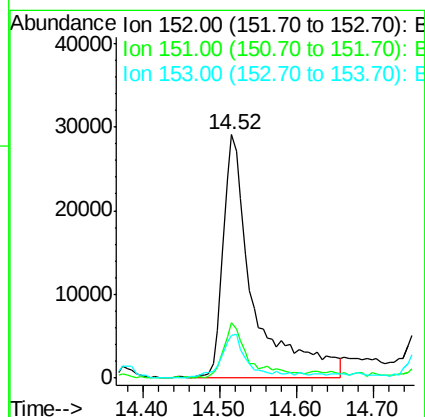
RT: 14.52 min Scan# 1911

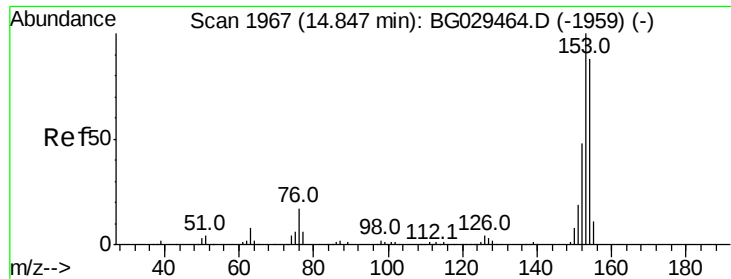
Delta R.T. 0.01 min

Lab File: BG029475.D

Acq: 26 Oct 2017 12:58

Tgt Ion:	152	Resp:	80084
Ion Ratio	Lower	Upper	
152	100		
151	22.7	15.2	22.8
153	17.4	10.2	15.4#





#49

Acenaphthene

Concen: 1.271 ng/ul

RT: 14.86 min Scan# 1969

Delta R.T. 0.01 min

Lab File: BG029475.D

Acq: 26 Oct 2017 12:58

Instrument :

BNA_G

ClientSampleId :

B0D38

Tot Ion:153 Resp: 25182

Ion Ratio Lower Upper

153 100

152 56.8 38.2 57.2

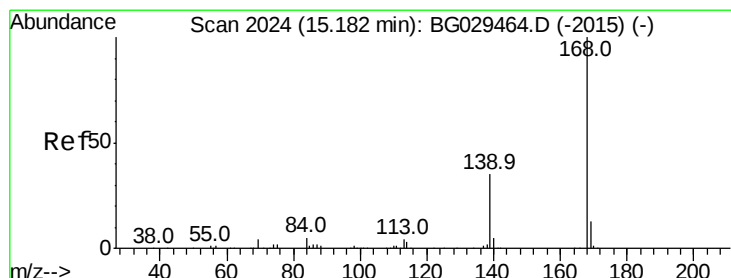
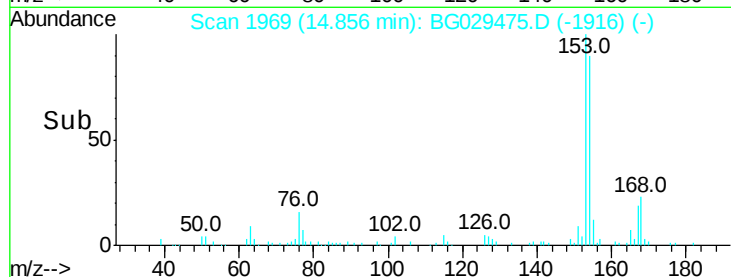
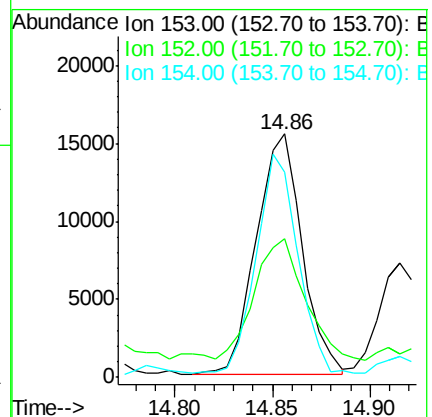
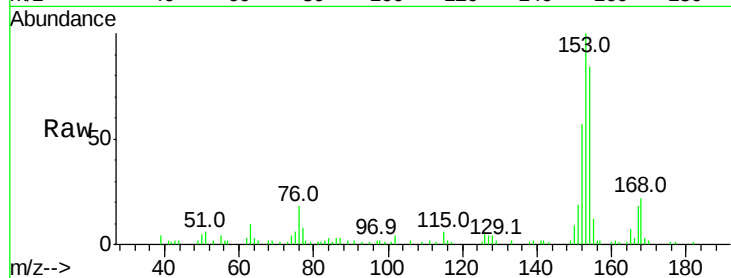
154 84.3 70.6 105.8

Manual Integrations

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#53

Dibenzofuran

Concen: 4.508 ng/ul

RT: 15.19 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BG029475.D

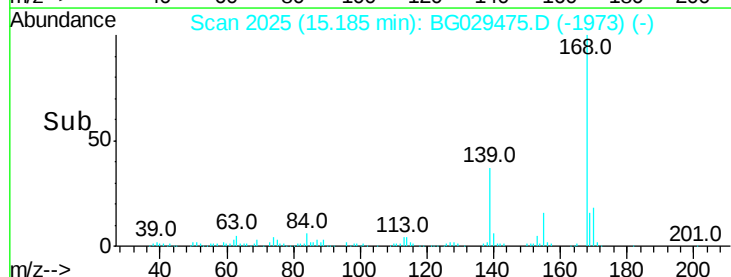
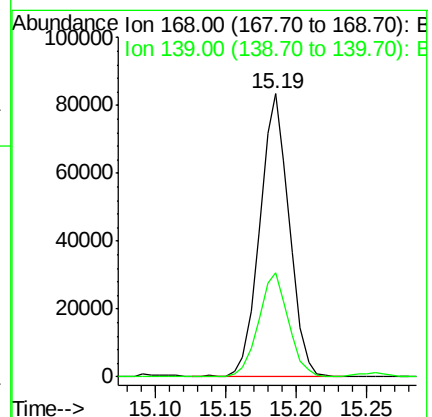
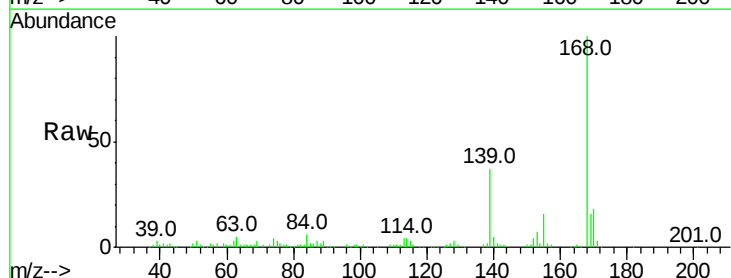
Acq: 26 Oct 2017 12:58

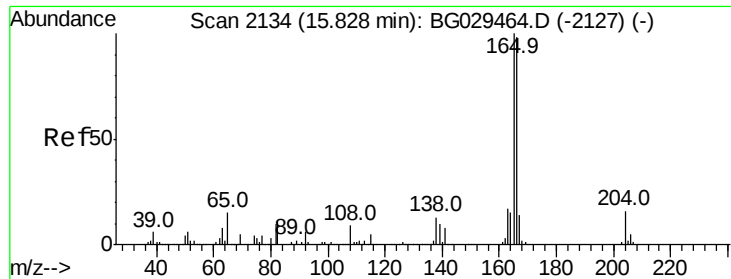
Tgt Ion:168 Resp: 122135

Ion Ratio Lower Upper

168 100

139 36.8 31.4 47.2





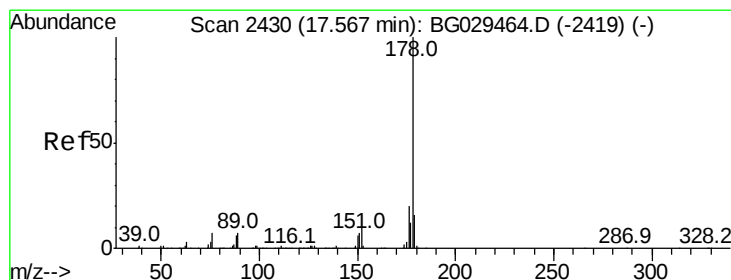
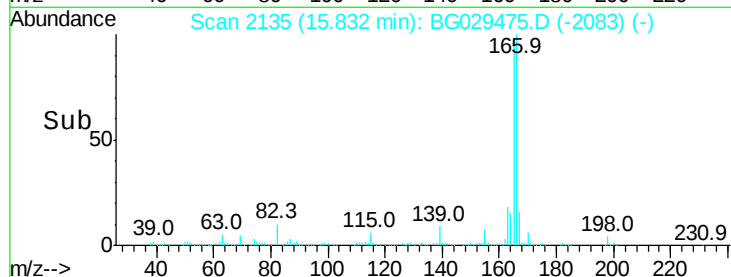
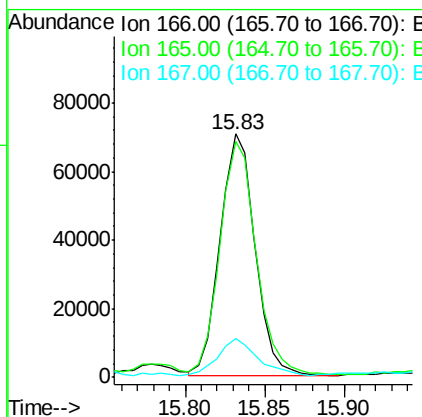
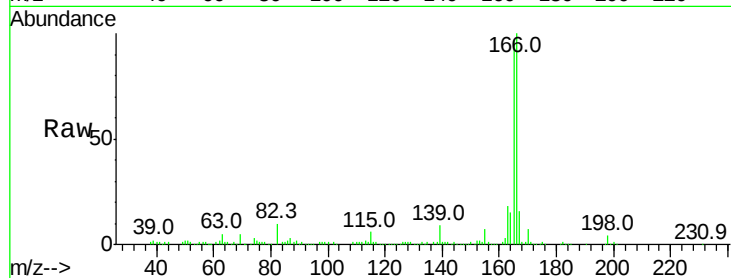
#58
Fluorene
 Concen: 5.019 ng/ul
 RT: 15.83 min Scan# 2135
 Delta R.T. 0.00 min
 Lab File: BG029475.D
 Acq: 26 Oct 2017 12:58

Instrument :
 BNA_G
 ClientSampleId :
 B0D38

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.1	79.9	119.9
167	15.8	10.6	16.0

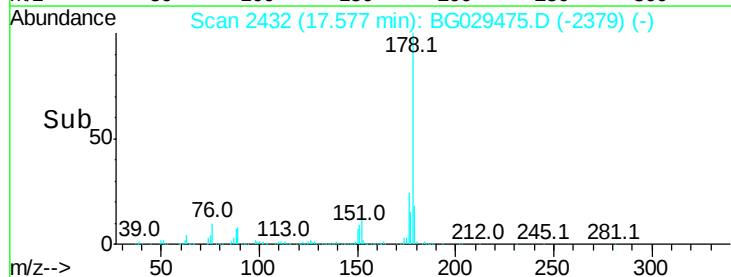
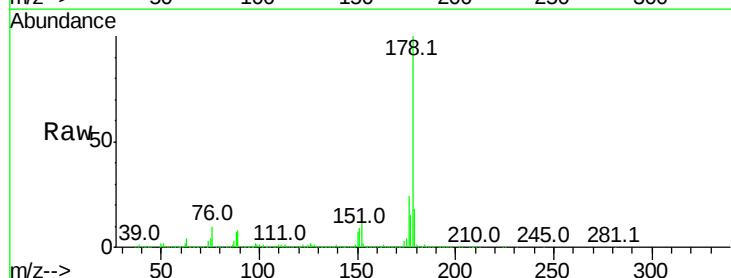
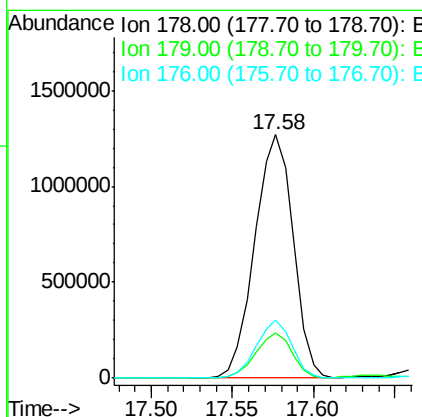
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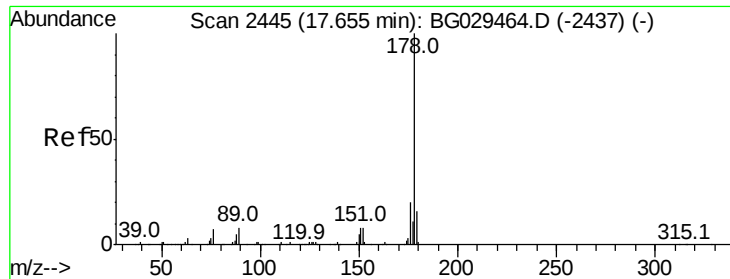
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#69
Phenanthrene
 Concen: 67.042 ng/ul m
 RT: 17.58 min Scan# 2432
 Delta R.T. 0.01 min
 Lab File: BG029475.D
 Acq: 26 Oct 2017 12:58

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.4	13.0	19.6
176	23.7	15.3	22.9#





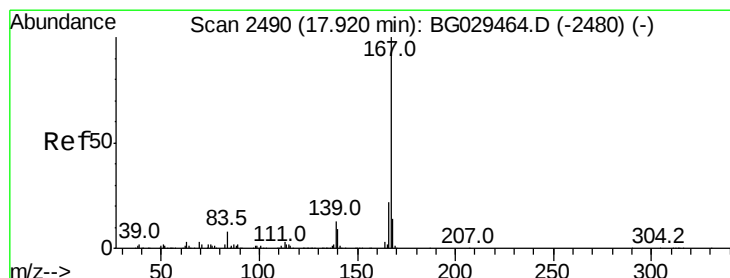
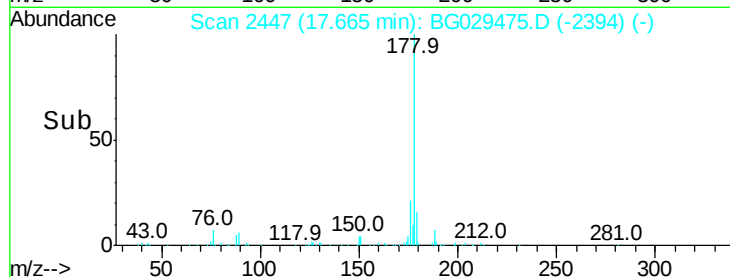
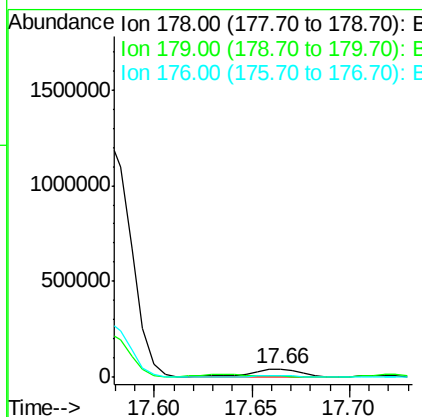
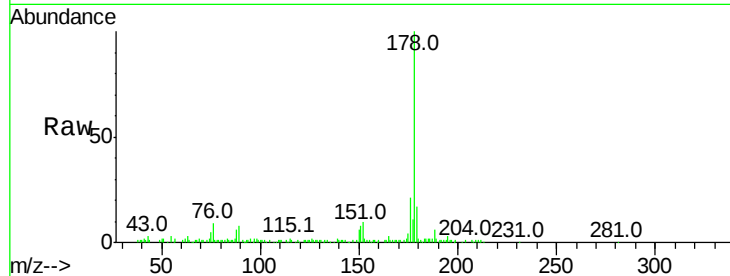
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 Anthracene
 Concen: 2.462 ng/ul
 RT: 17.66 min Scan# 2447
 Delta R.T. 0.01 min
 Lab File: BG029475.D
 Acq: 26 Oct 2017 12:58

Instrument :
 BNA_G
 ClientSampleId :
 B0D38

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.9	13.2	19.8
176	20.5	16.0	24.0

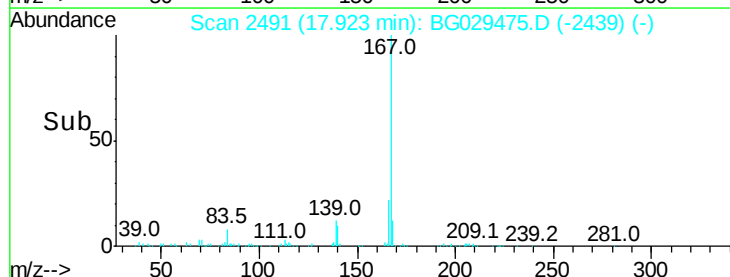
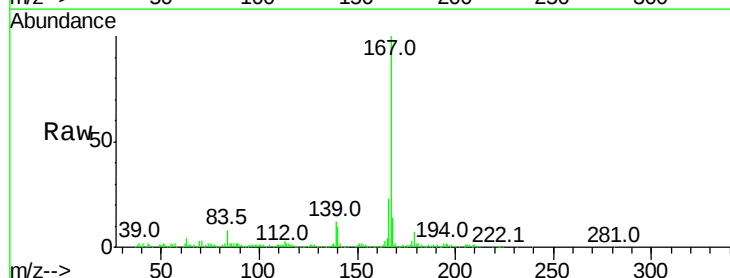
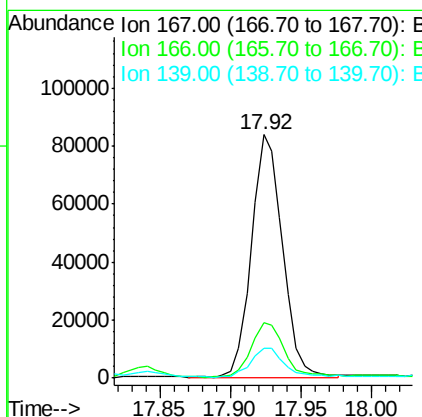
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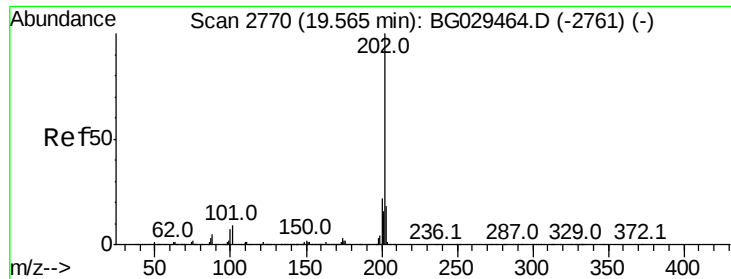
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#72
 Carbazole
 Concen: 4.456 ng/ul
 RT: 17.92 min Scan# 2491
 Delta R.T. 0.00 min
 Lab File: BG029475.D
 Acq: 26 Oct 2017 12:58

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.6	28.0
139	12.3	10.6	16.0





#74

Fluoranthene

Concen: 66.642 ng/ul

RT: 19.57 min Scan# 2772

Delta R.T. 0.01 min

Lab File: BG029475.D

Acq: 26 Oct 2017 12:58

Instrument :

BNA_G

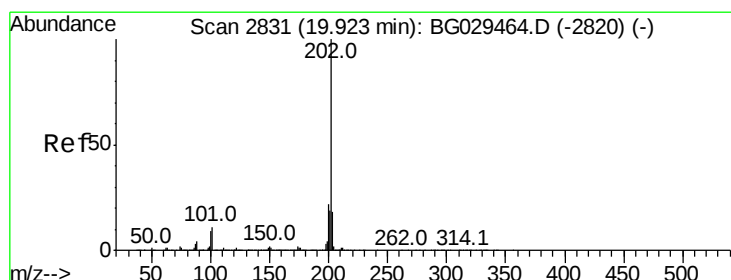
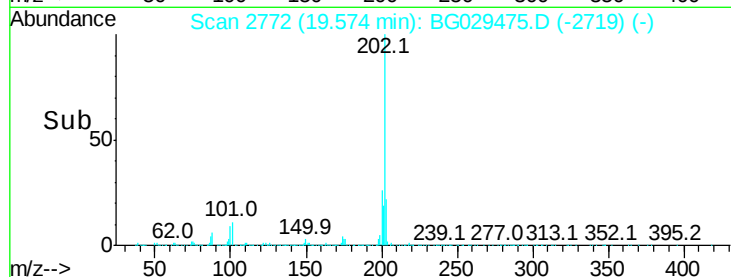
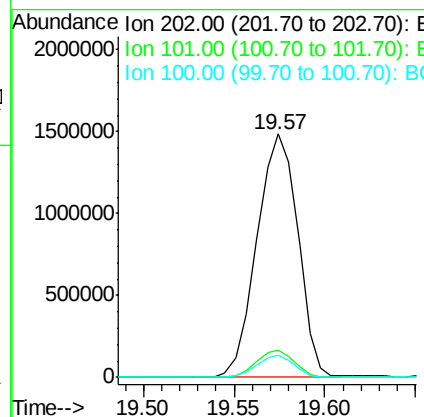
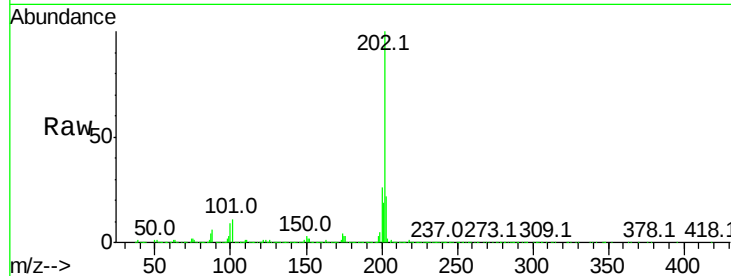
ClientSampleId :

B0D38

Tot Ion:	202	Resp:	2321976
Ion Ratio	Lower	Upper	
202	100		
101	11.2	7.4	11.2#
100	9.1	5.6	8.4#

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#77

Pyrene

Concen: 51.065 ng/ul

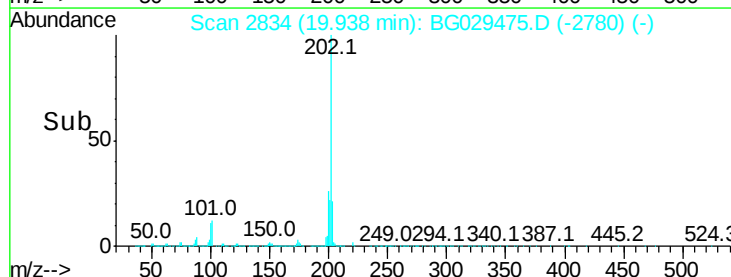
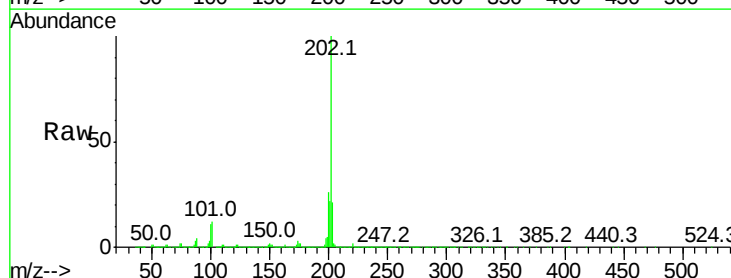
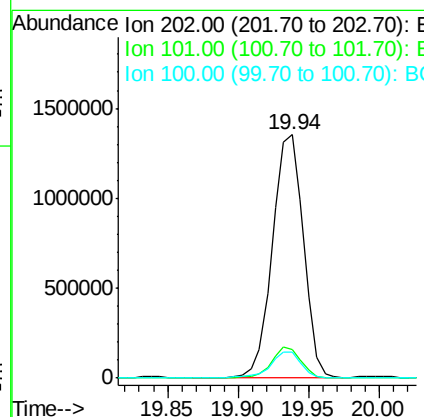
RT: 19.94 min Scan# 2834

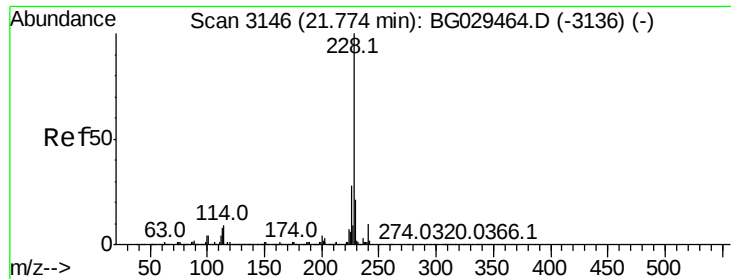
Delta R.T. 0.02 min

Lab File: BG029475.D

Acq: 26 Oct 2017 12:58

Tgt Ion:	202	Resp:	2081791
Ion Ratio	Lower	Upper	
202	100		
101	11.9	8.4	12.6
100	10.6	7.0	10.6#





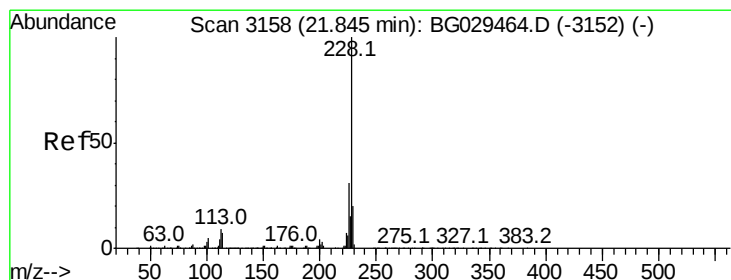
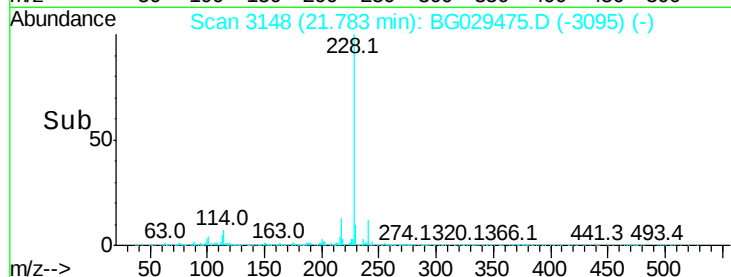
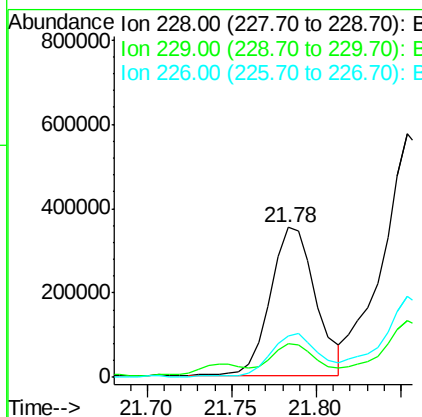
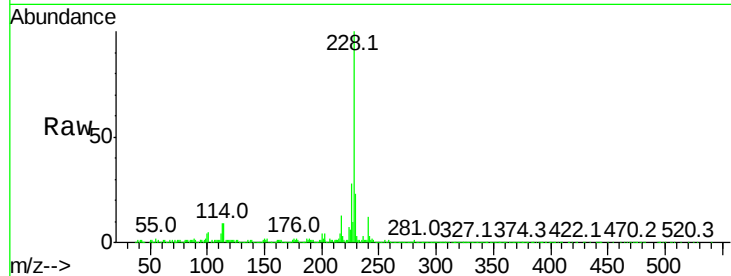
#80
Benzo(a)anthracene
Concen: 17.103 ng/ul
RT: 21.78 min Scan# 3148
Delta R.T. 0.01 min
Lab File: BG029475.D
Acq: 26 Oct 2017 12:58

Instrument :
BNA_G
ClientSampleId :
B0D38

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.9	16.2	24.4
226	27.7	22.2	33.2

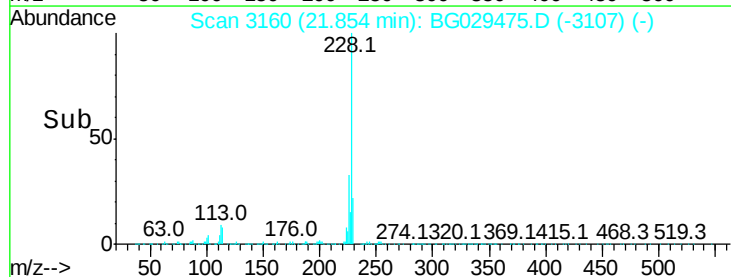
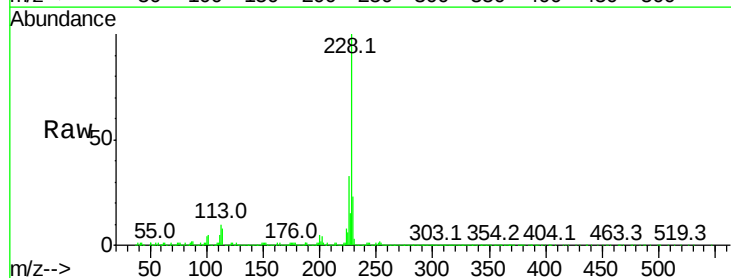
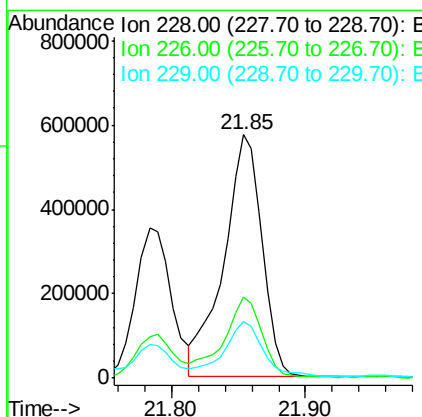
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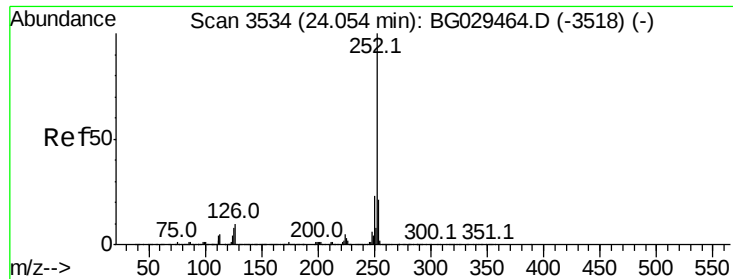
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#82
Chrysene
Concen: 32.996 ng/ul
RT: 21.85 min Scan# 3160
Delta R.T. 0.01 min
Lab File: BG029475.D
Acq: 26 Oct 2017 12:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.2	36.2
229	23.1	15.2	22.8#





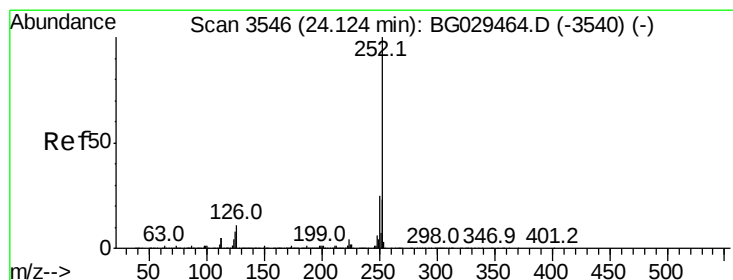
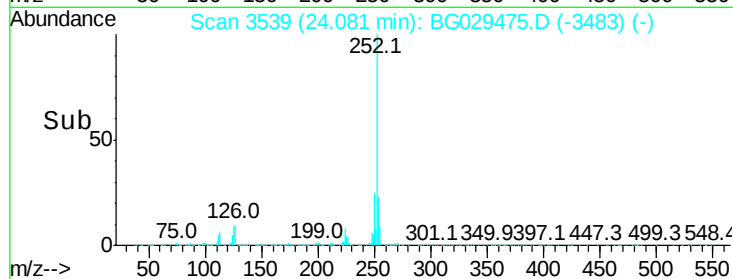
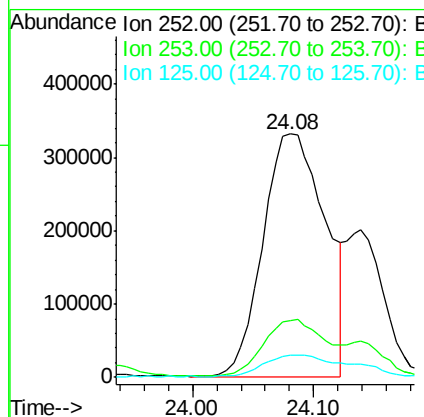
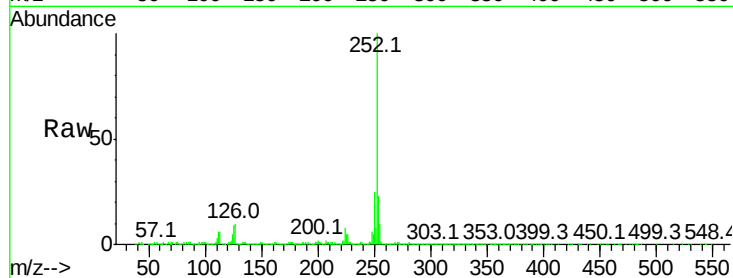
#85
Benzo(b)fluoranthene
Concen: 32.221 ng/u1
RT: 24.08 min Scan# 3539
Delta R.T. 0.03 min
Lab File: BG029475.D
Acq: 26 Oct 2017 12:58

Instrument :
BNA_G
ClientSampled :
B0D38

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.4
125	8.9	7.5	11.3

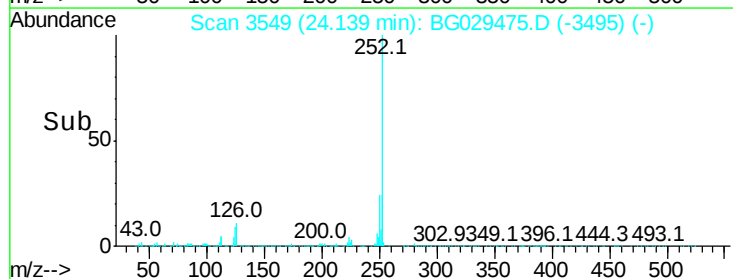
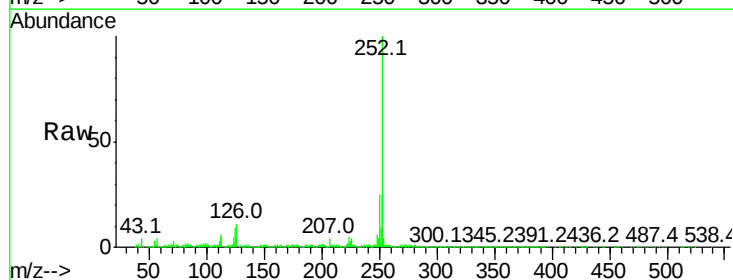
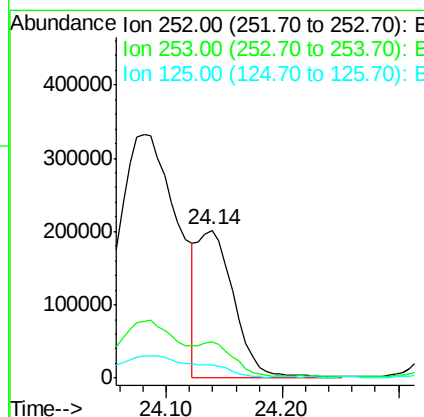
Manual Integrations
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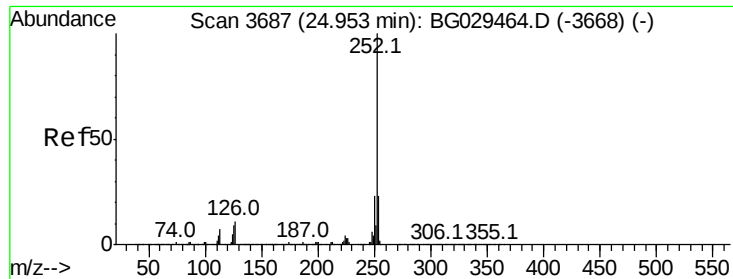
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#86
Benzo(k)fluoranthene
Concen: 12.294 ng/u1 m
RT: 24.14 min Scan# 3549
Delta R.T. 0.02 min
Lab File: BG029475.D
Acq: 26 Oct 2017 12:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	9.3	7.8	11.8





#88

Benzo(a)pyrene

Concen: 19.981 ng/ul

RT: 24.98 min Scan# 3692

Delta R.T. 0.03 min

Lab File: BG029475.D

Acq: 26 Oct 2017 12:58

Instrument :

BNA_G

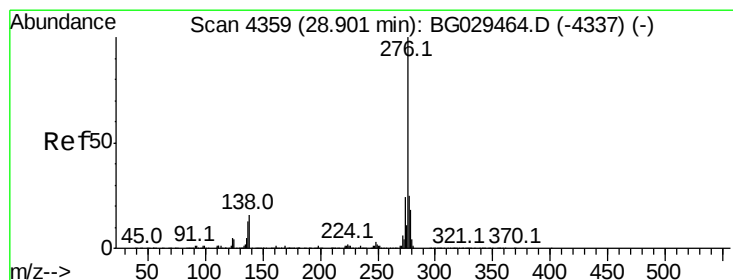
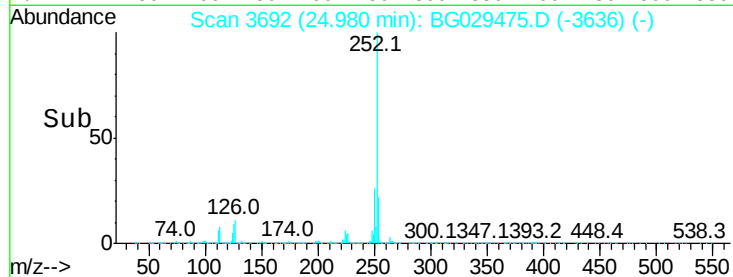
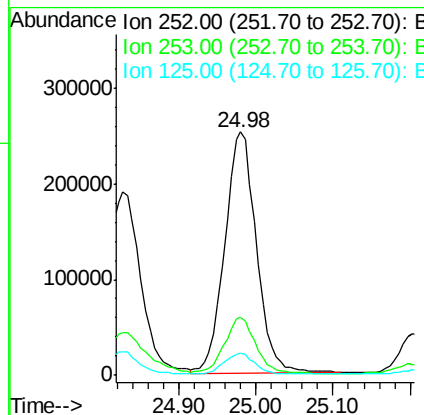
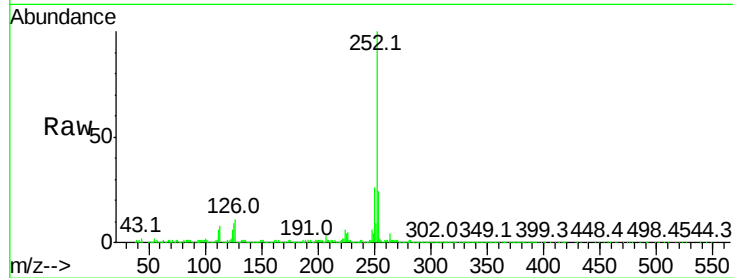
ClientSampleId :

B0D38

Tot Ion:	252	Resp:	715118
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.1	25.7
125	9.4	7.8	11.8

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#89

Indeno(1,2,3-cd)pyrene

Concen: 11.484 ng/ul

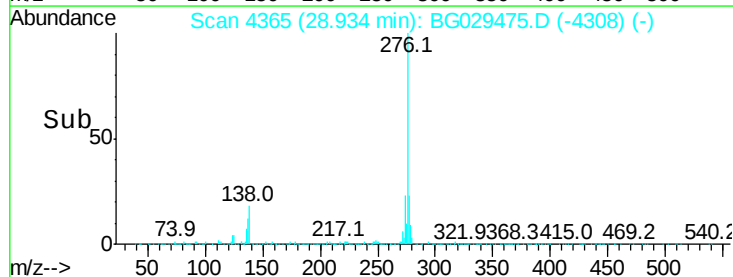
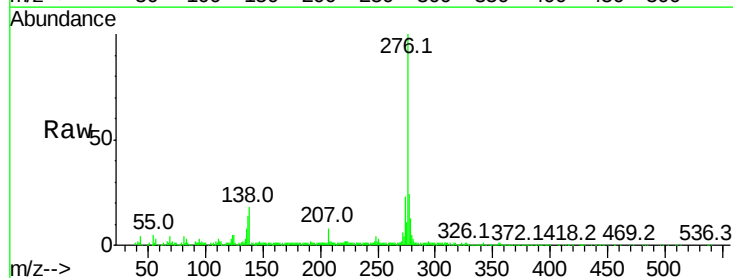
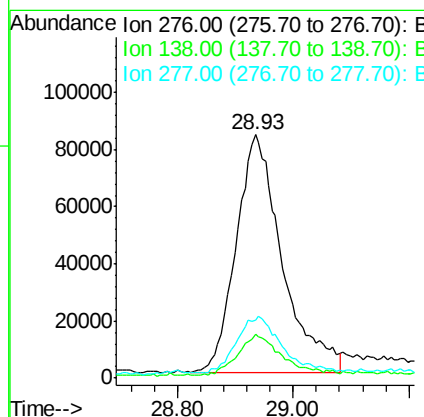
RT: 28.93 min Scan# 4365

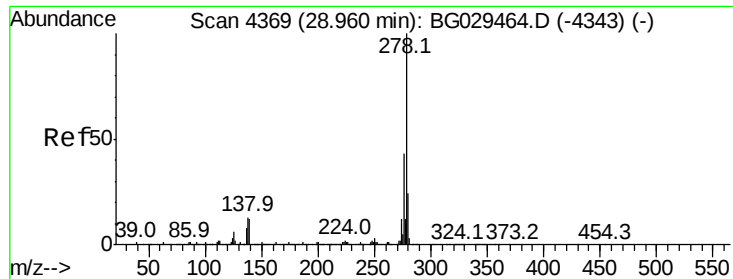
Delta R.T. 0.03 min

Lab File: BG029475.D

Acq: 26 Oct 2017 12:58

Tgt Ion:	276	Resp:	465012
Ion Ratio	Lower	Upper	
276	100		
138	18.2	13.4	20.0
277	23.7	18.6	28.0





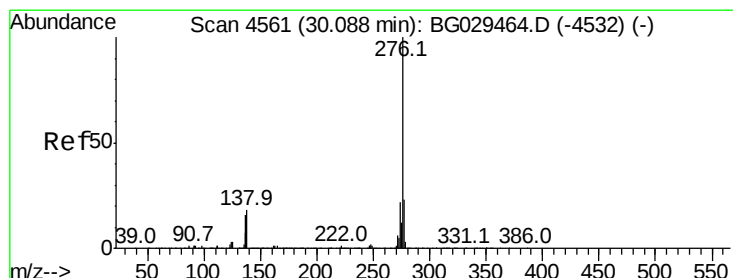
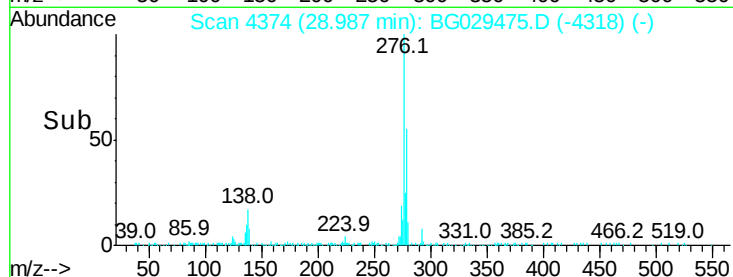
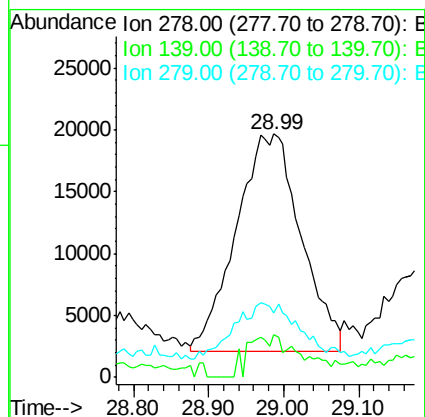
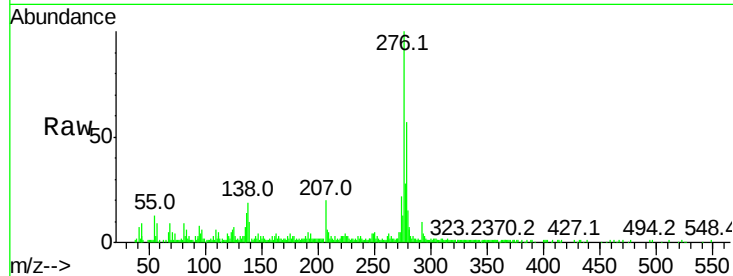
#90
Dibenzo(a,h)anthracene
Concen: 3.135 ng/ul m
RT: 28.99 min Scan# 4374
Delta R.T. 0.03 min
Lab File: BG029475.D
Acq: 26 Oct 2017 12:58

Instrument :
BNA_G
ClientSampled :
B0D38

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.3	9.4	14.2#
279	26.2	18.4	27.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 11.167 ng/ul
RT: 30.13 min Scan# 4569
Delta R.T. 0.04 min
Lab File: BG029475.D
Acq: 26 Oct 2017 12:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.2	12.1	18.1#
277	25.1	17.7	26.5

