

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
 Data File : BG020315.D
 Acq On : 19 Dec 2015 17:11
 Operator : UM/SJ
 Sample : G4849-08
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N72

Manual Integrations
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Quant Time: Dec 21 12:04:07 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 20 04:48:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	25828	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	104654	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	80015	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.49	188	156324m	20.00	ng/ul	0.03
78) Chrysene-d12	21.77	240	206373	20.00	ng/ul	0.02
86) Perylene-d12	25.03	264	199365	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	1197	2.56	ng/uL	0.00
5) Phenol-d5	7.24	99	34955	15.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	24273	17.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	29004	17.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	30753	15.79	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	16974	20.81	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	18727	20.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	33796	18.38	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	42438	20.55	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	116717	18.03	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	137776	18.30	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	16277	14.02	ng/ul	0.00
58) Fluorene-d10	15.72	176	107667	18.34	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	189	0.20	ng/ul	0.00
71) Anthracene-d10	17.62	188	155571	21.60	ng/ul	0.05
79) Pyrene-d10	19.87	212	201787	20.98	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.80	264	227300	22.86	ng/ul	0.01

Target Compounds

					Ovalue	
28) Naphthalene	11.01	128	5188512	949.37	ng/ul#	64
34) 2-Methylnaphthalene	12.59	142	2413252	578.09	ng/ul	99
41) 1,1'-Biphenyl	13.57	154	1189951	197.12	ng/ul	98
45) Dimethylphthalate	14.18	163	23572	3.57	ng/ul	99
48) Acenaphthylene	14.45	152	92993	11.62	ng/ul#	82
50) Acenaphthene	14.83	153	3377263	627.44	ng/ul#	86
54) Dibenzofuran	15.16	168	3573703	446.32	ng/ul#	67
59) Fluorene	15.80	166	2984862	464.21	ng/ul#	96
70) Phenanthrene	17.59	178	8631443	1009.45	ng/ul#	37
72) Anthracene	17.65	178	1410206	162.60	ng/ul#	87
75) Carbazole	17.88	167	595812	81.76	ng/ul	97
77) Fluoranthene	19.57	202	6263899m	626.81	ng/ul	
80) Pyrene	19.93	202	5079688	406.68	ng/ul#	56
83) Benzo(a)anthracene	21.75	228	2041440	169.53	ng/ul#	87
85) Chrysene	21.81	228	1712845	151.03	ng/ul#	88
88) Benzo(b)fluoranthene	24.00	252	1130157	94.18	ng/ul	97
89) Benzo(k)fluoranthene	24.06	252	431262m	37.45	ng/ul	
91) Benzo(a)pyrene	24.88	252	665779	58.53	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.75	276	212194	15.66	ng/ul	95
93) Dibenzo(a,h)anthracene	28.78	278	58818m	5.23	ng/ul	
94) Benzo(a,h,i)perylene	29.92	276	158747	14.30	ng/ul	97

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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

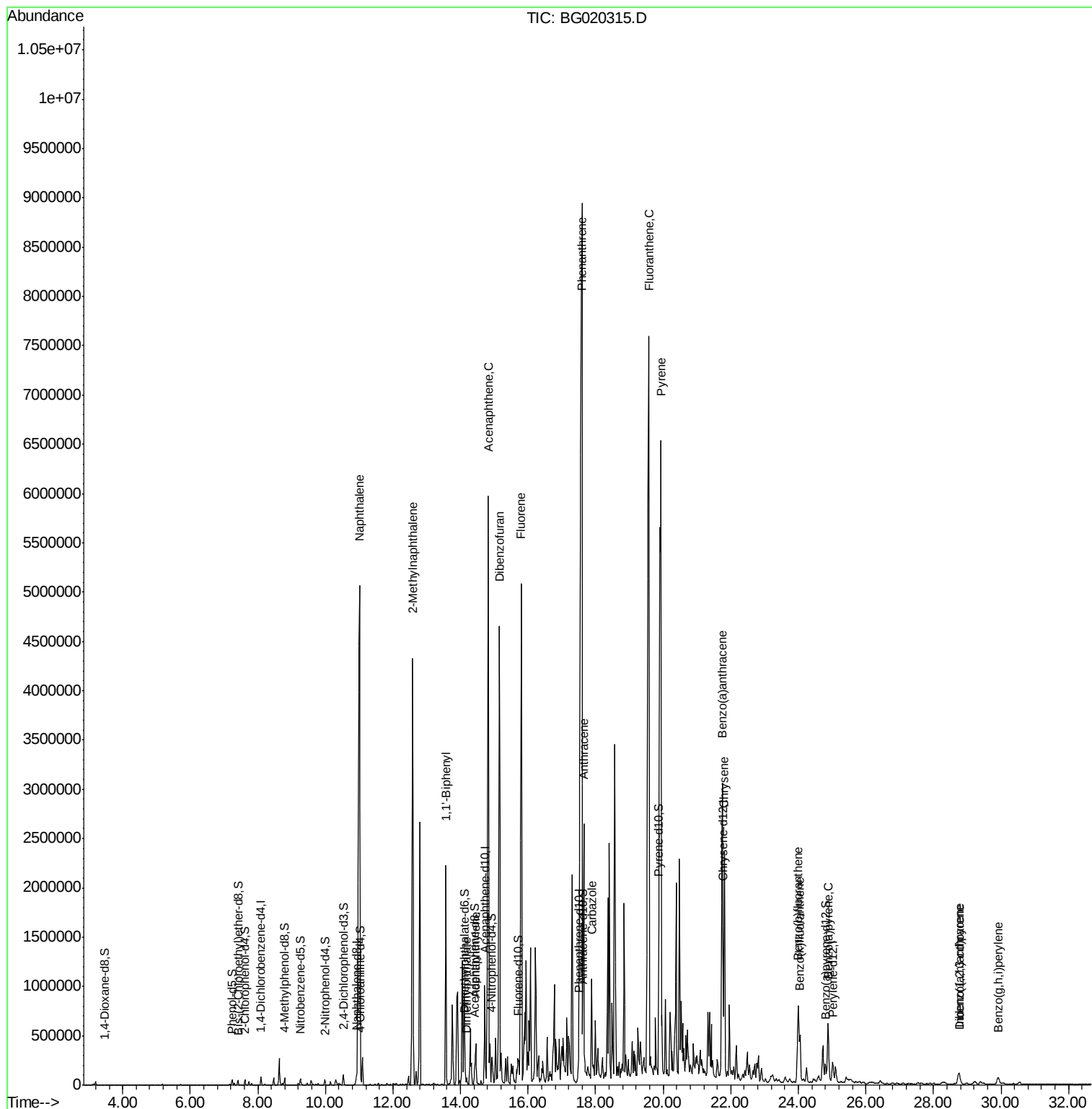
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
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Sample : G4849-08
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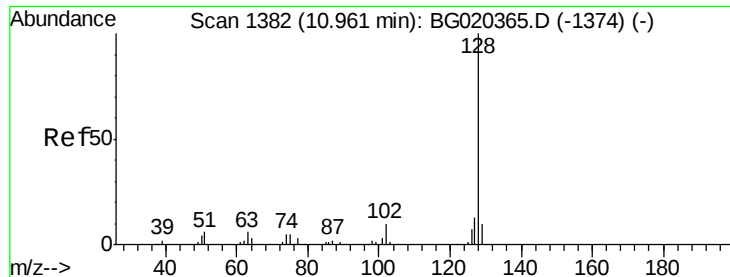
Instrument :
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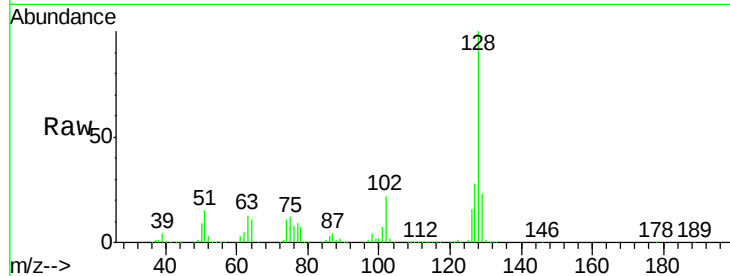
#28
Naphthalene
Concen: 949.37 ng/ul
RT: 11.01 min Scan# 1390
Delta R.T. 0.05 min
Lab File: BG020315.D
Acq: 19 Dec 2015 17:11

Instrument :
BNA_G
ClientSampleId :
D9N72

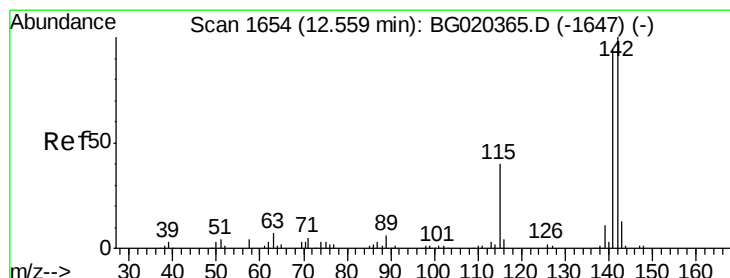
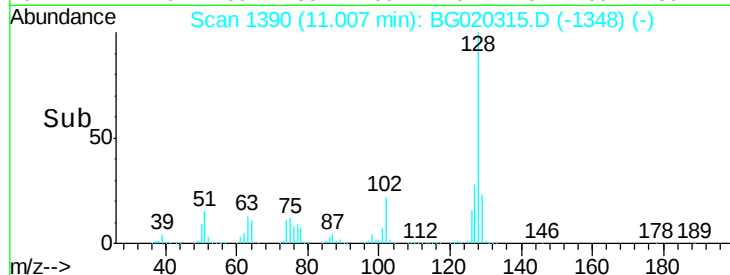
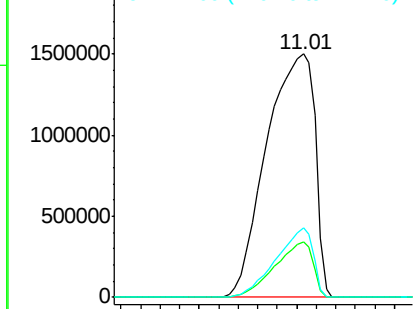
Tot Ion:128 Resp: 5188512
Ion Ratio Lower Upper
128 100
129 22.7 8.6 12.8#
127 28.4 10.1 15.1#

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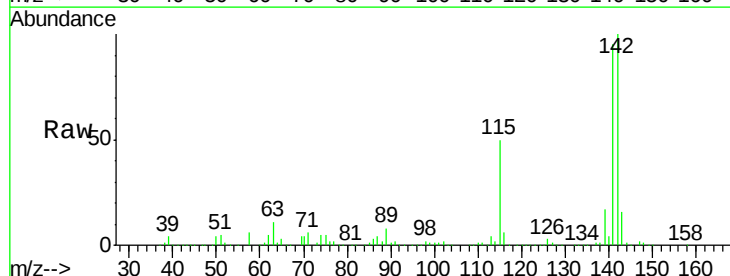


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Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

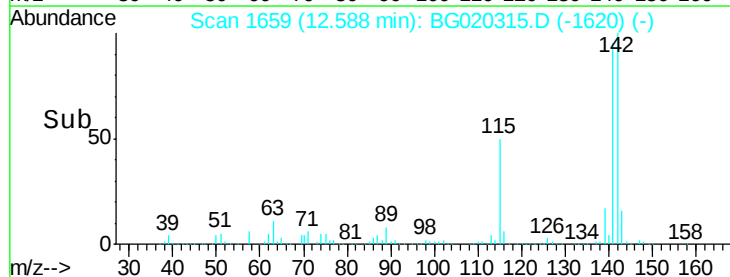
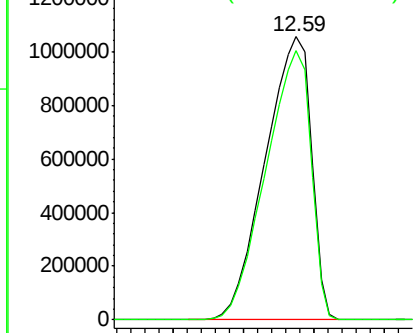


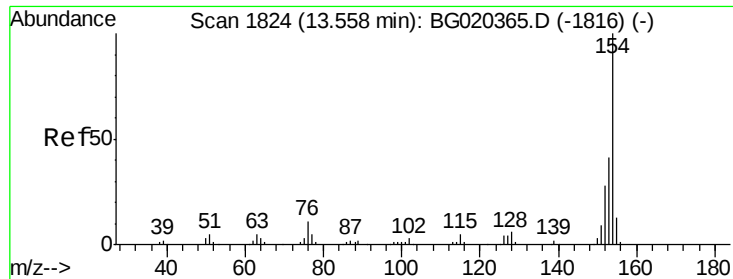
#34
2-Methylnaphthalene
Concen: 578.09 ng/ul
RT: 12.59 min Scan# 1659
Delta R.T. 0.03 min
Lab File: BG020315.D
Acq: 19 Dec 2015 17:11

Tgt Ion:142 Resp: 2413252
Ion Ratio Lower Upper
142 100
141 94.9 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





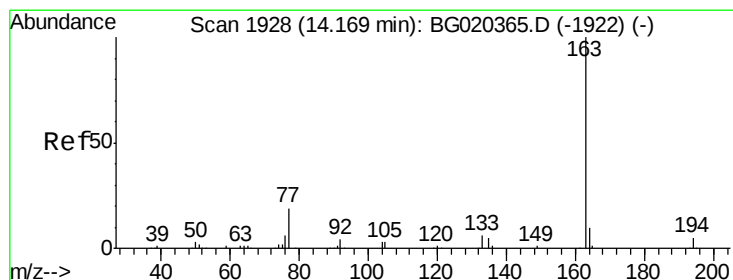
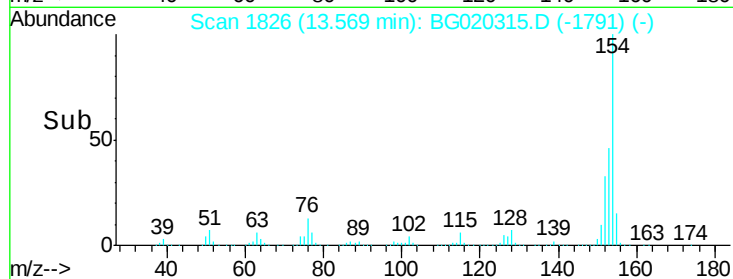
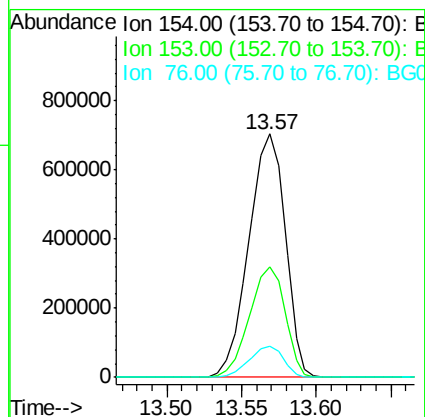
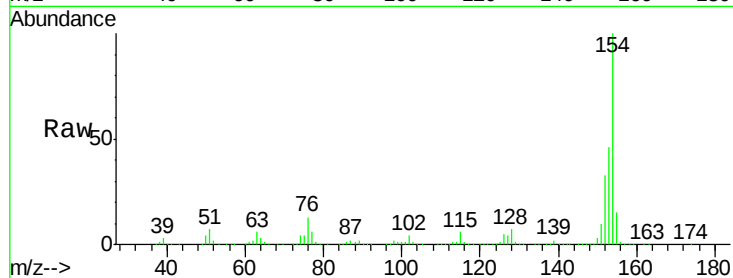
#41
 1,1'-Biphenyl
 Concen: 197.12 ng/ul
 RT: 13.57 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: BG020315.D
 Acq: 19 Dec 2015 17:11

Instrument :
 BNA_G
 ClientSampleId :
 D9N72

Tot Ion	Ratio	Lower	Upper
154	100		
153	45.6	35.5	53.3
76	12.8	10.4	15.6

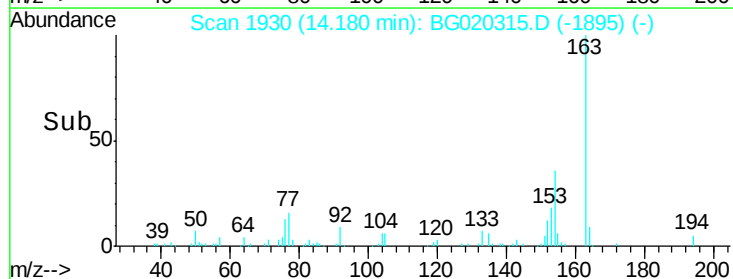
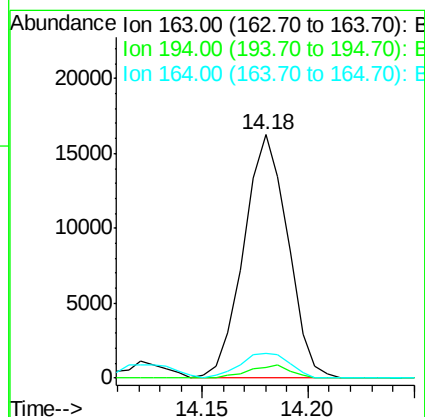
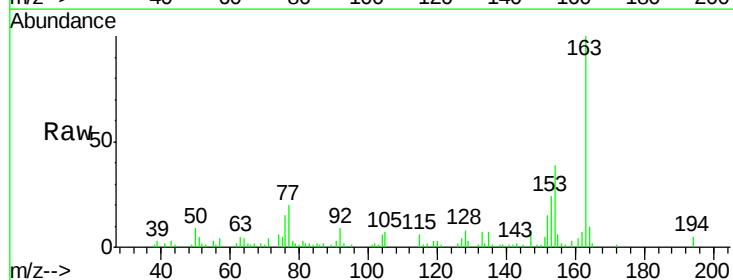
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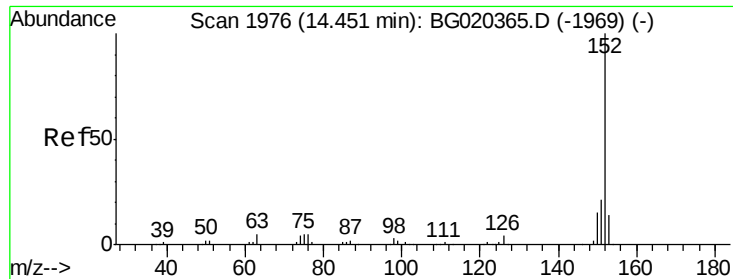
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#45
 Dimethylphthalate
 Concen: 3.57 ng/ul
 RT: 14.18 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: BG020315.D
 Acq: 19 Dec 2015 17:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	10.2	7.7	11.5





#48

Acenaphthylene

Concen: 11.62 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BG020315.D

Acq: 19 Dec 2015 17:11

Instrument :

BNA_G

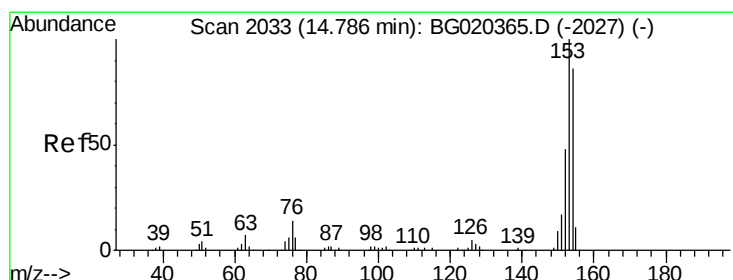
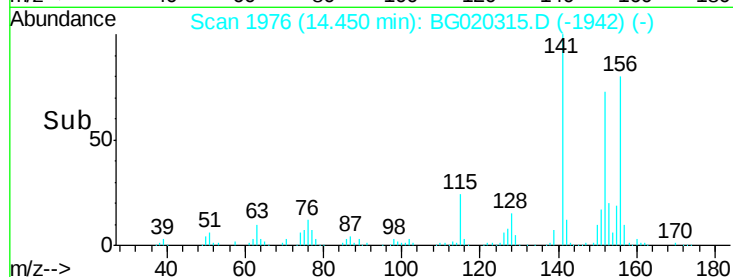
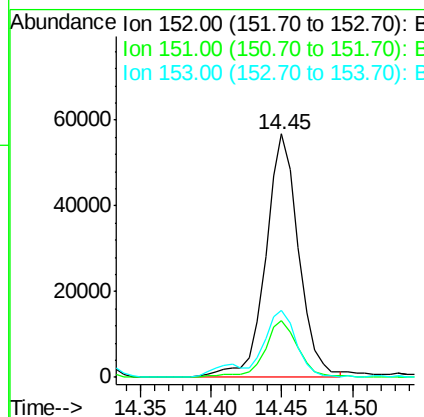
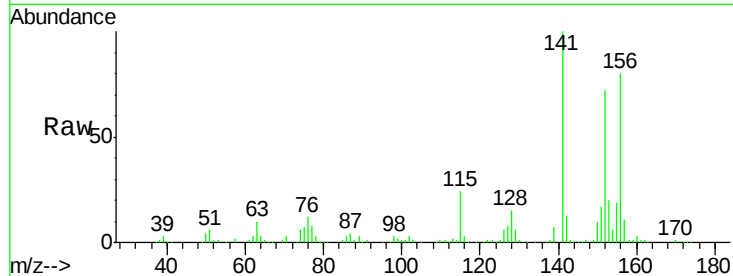
ClientSampleId :

D9N72

Tot Ion	Ratio	Lower	Upper
152	100		
151	23.2	16.4	24.6
153	27.3	10.4	15.6

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#50

Acenaphthene

Concen: 627.44 ng/ul

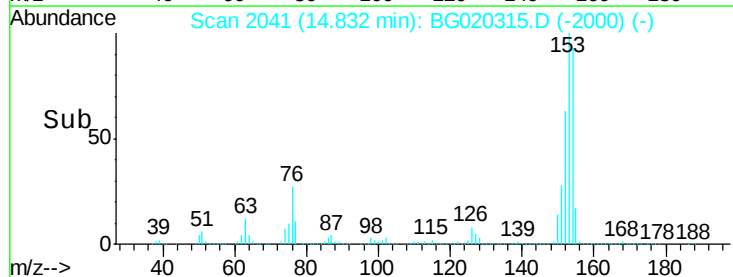
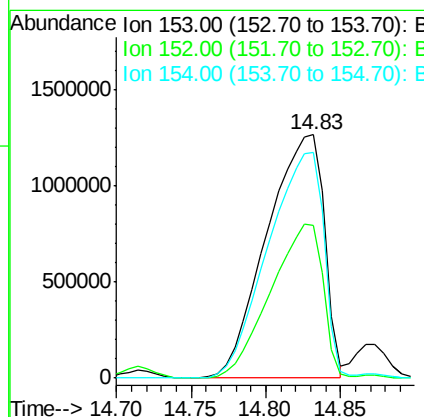
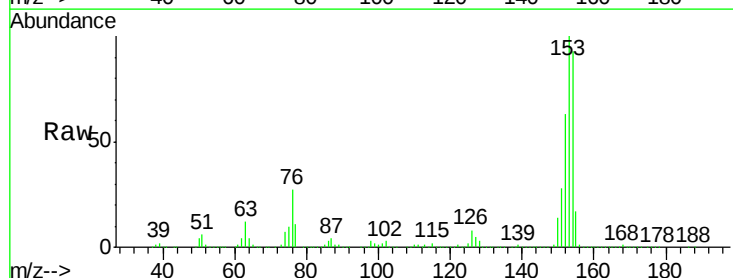
RT: 14.83 min Scan# 2041

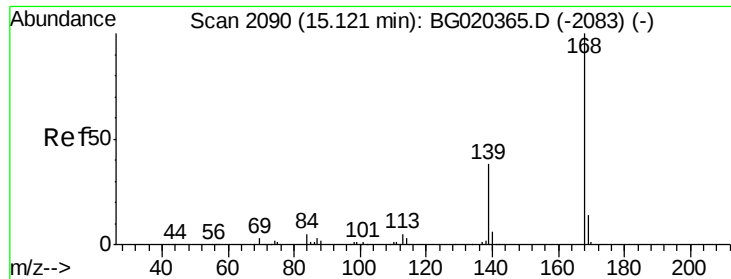
Delta R.T. 0.04 min

Lab File: BG020315.D

Acq: 19 Dec 2015 17:11

Tgt Ion	Ratio	Lower	Upper
153	100		
152	62.9	37.6	56.4
154	92.8	67.9	101.9





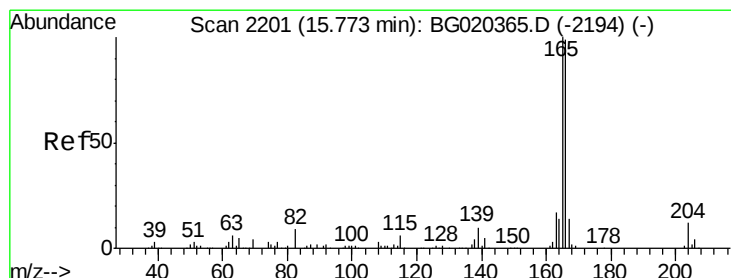
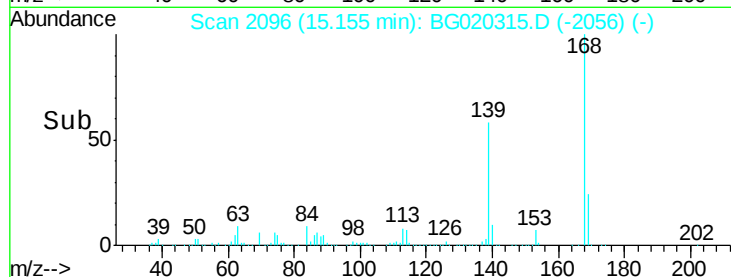
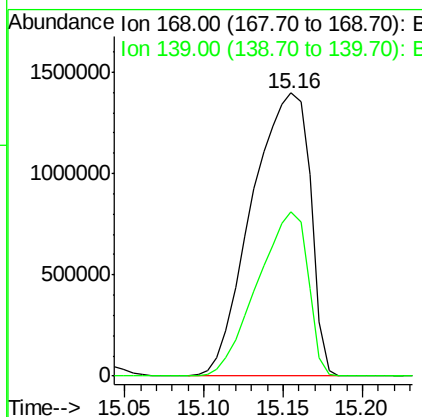
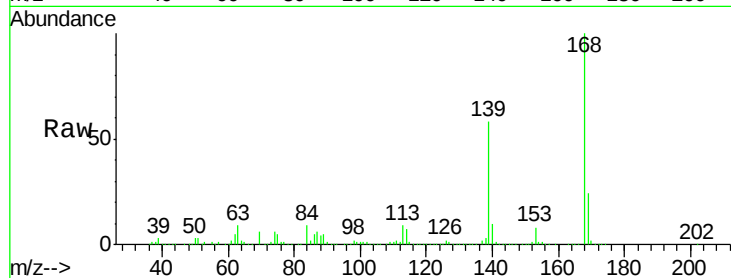
#54
Dibenzofuran
Concen: 446.32 ng/ul
RT: 15.16 min Scan# 2096
Delta R.T. 0.04 min
Lab File: BG020315.D
Acq: 19 Dec 2015 17:11

Instrument :
BNA_G
ClientSampleId :
D9N72

Tot Ion:168 Resp: 3573703
Ion Ratio Lower Upper
168 100
139 58.2 30.5 45.7#

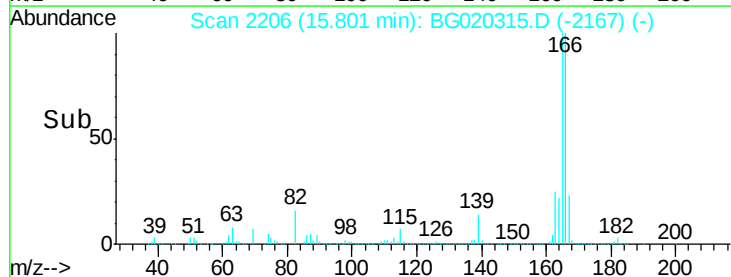
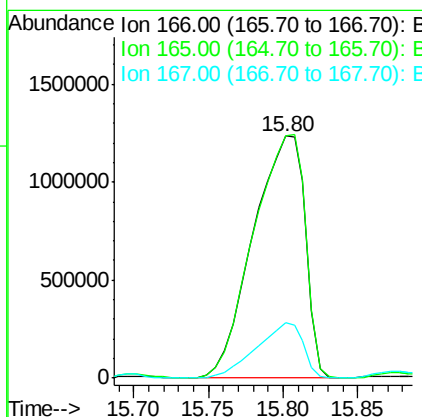
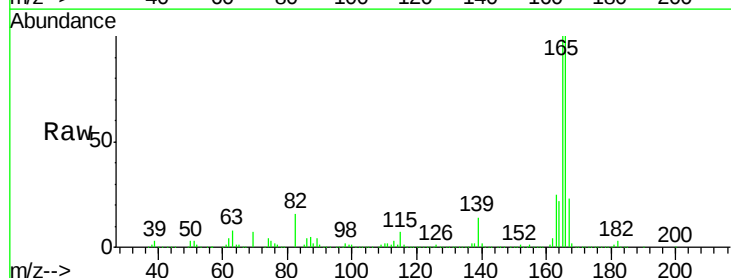
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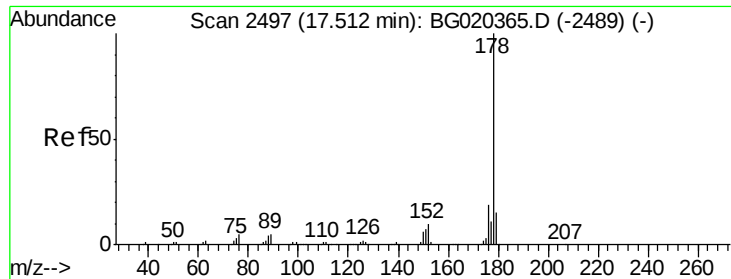
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#59
Fluorene
Concen: 464.21 ng/ul
RT: 15.80 min Scan# 2206
Delta R.T. 0.03 min
Lab File: BG020315.D
Acq: 19 Dec 2015 17:11

Tgt Ion:166 Resp: 2984862
Ion Ratio Lower Upper
166 100
165 100.2 81.4 122.0
167 23.1 11.2 16.8#





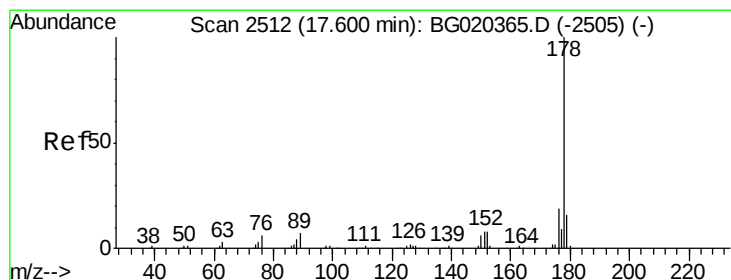
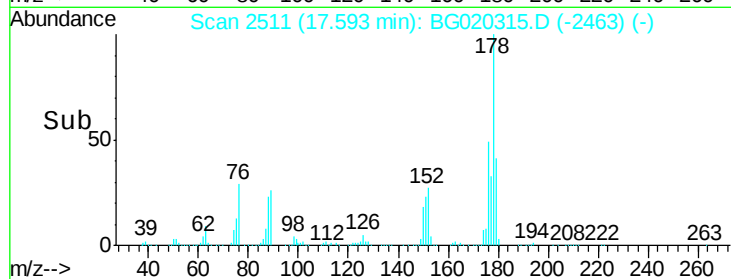
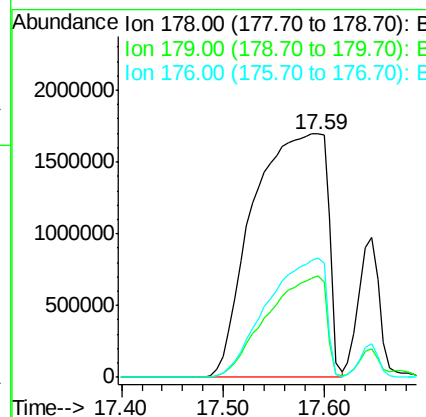
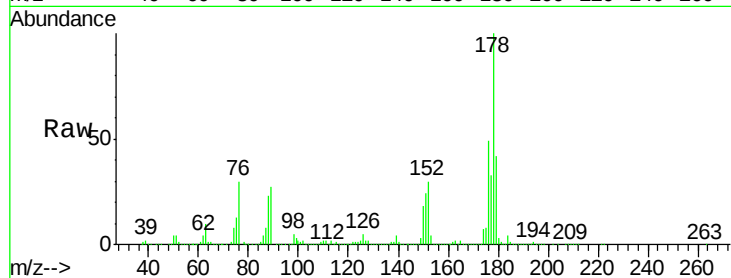
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 Phenanthrene
 Concen: 1009.45 ng/ul
 RT: 17.59 min Scan# 2511
 Delta R.T. 0.08 min
 Lab File: BG020315.D
 Acq: 19 Dec 2015 17:11

Instrument :
 BNA_G
 ClientSampleId :
 D9N72

Tot Ion:178 Resp: 8631443
 Ion Ratio Lower Upper
 178 100
 179 41.6 12.9 19.3#
 176 49.1 15.3 22.9#

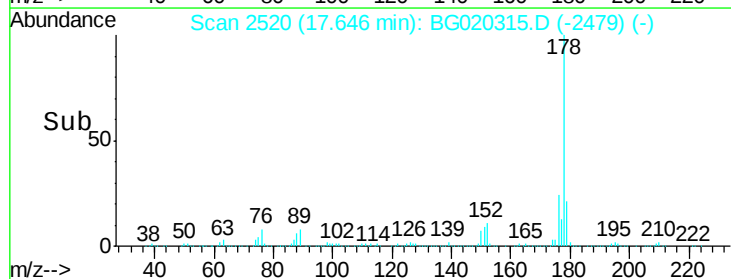
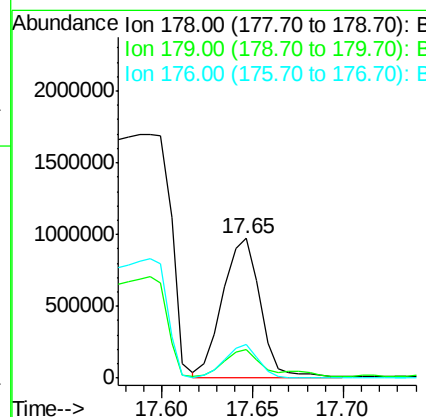
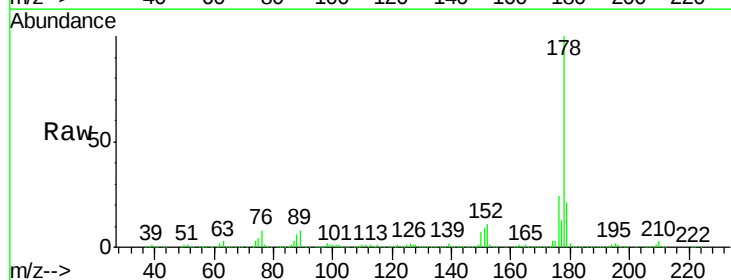
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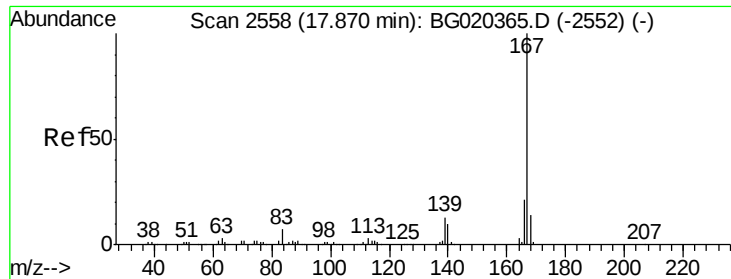
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#72
 Anthracene
 Concen: 162.60 ng/ul
 RT: 17.65 min Scan# 2520
 Delta R.T. 0.04 min
 Lab File: BG020315.D
 Acq: 19 Dec 2015 17:11

Tgt Ion:178 Resp: 1410206
 Ion Ratio Lower Upper
 178 100
 179 20.8 12.3 18.5#
 176 23.7 14.3 21.5#





#75

Carbazole

Concen: 81.76 ng/ul

RT: 17.88 min Scan# 2560

Delta R.T. 0.01 min

Lab File: BG020315.D

Acq: 19 Dec 2015 17:11

Instrument :

BNA_G

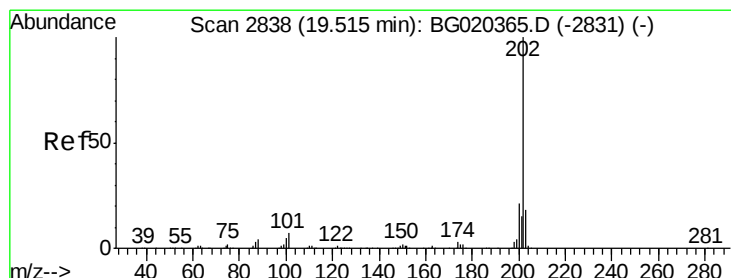
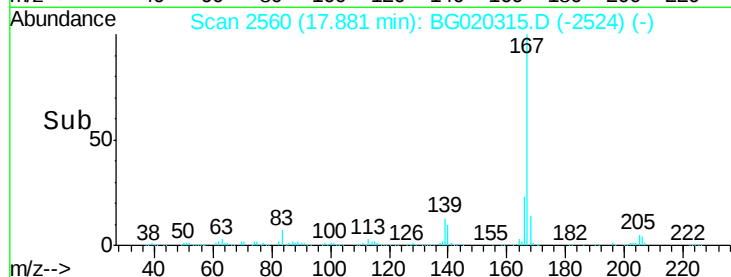
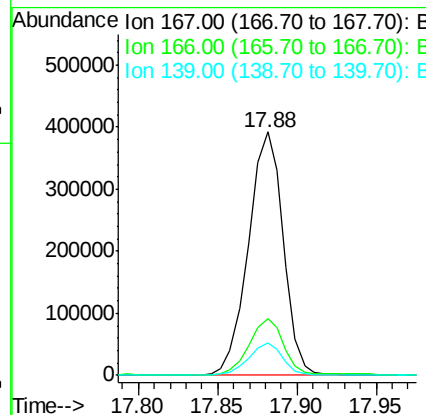
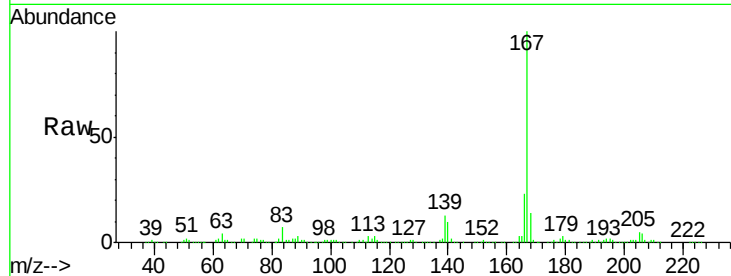
ClientSampleId :

D9N72

Tot Ion:	167	Resp:	595812
Ion Ratio	Lower	Upper	
167	100		
166	23.4	17.0	25.6
139	13.3	10.1	15.1

Manual Integrations
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#77

Fluoranthene

Concen: 626.81 ng/ul m

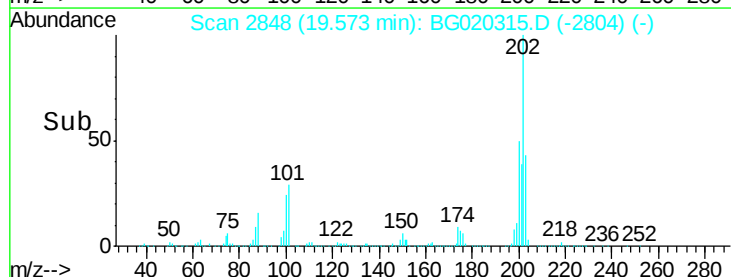
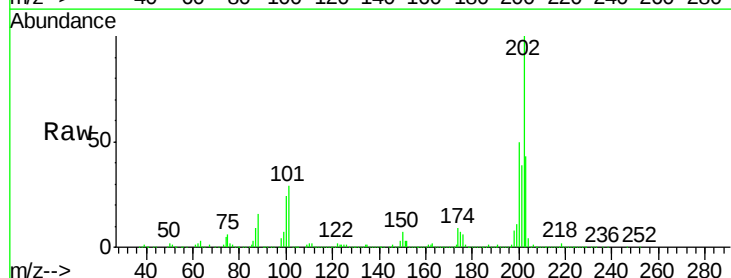
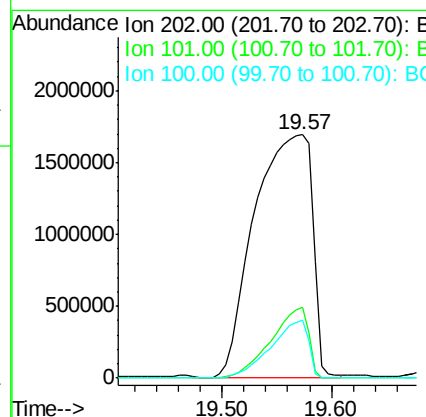
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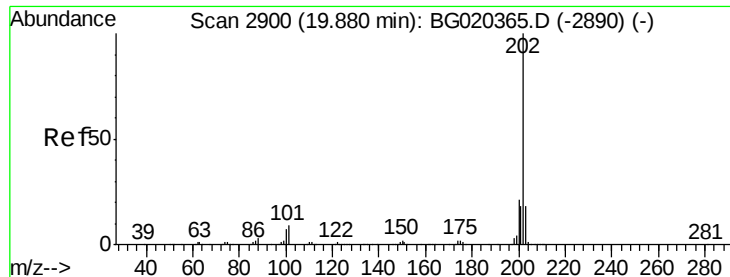
Delta R.T. 0.06 min

Lab File: BG020315.D

Acq: 19 Dec 2015 17:11

Tgt Ion:	202	Resp:	6263899
Ion Ratio	Lower	Upper	
202	100		
101	29.1	6.2	9.4#
100	23.6	5.1	7.7#





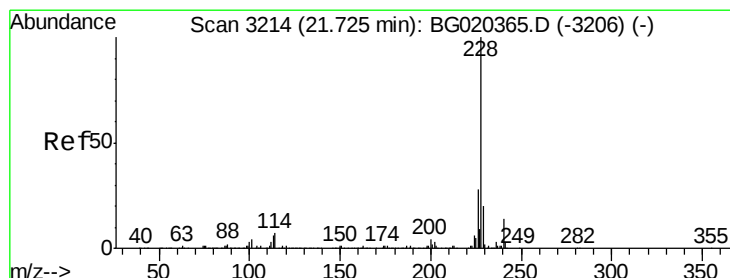
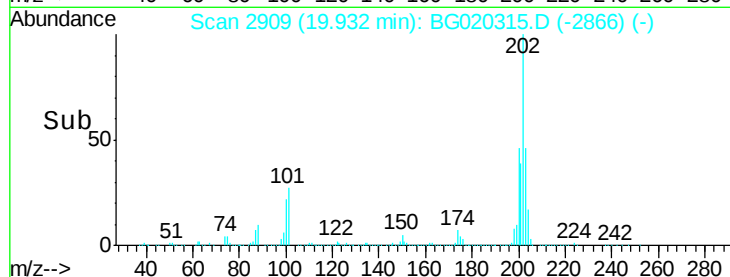
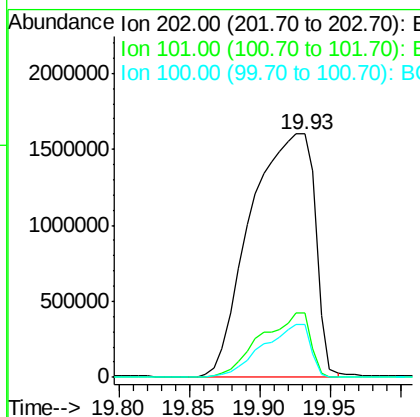
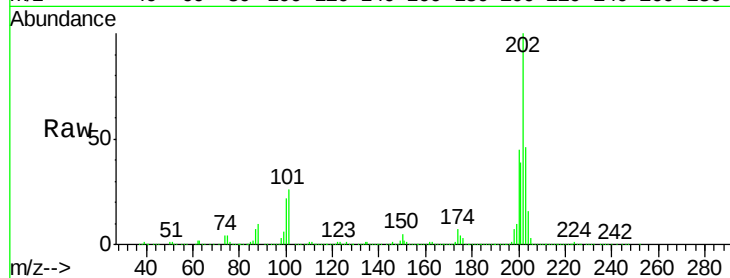
#80
Pvrene
Concen: 406.68 ng/ul
RT: 19.93 min Scan# 2909
Delta R.T. 0.06 min
Lab File: BG020315.D
Acq: 19 Dec 2015 17:11

Instrument :
BNA_G
ClientSampleId :
D9N72

Tot Ion:202 Resp: 5079688
Ion Ratio Lower Upper
202 100
101 26.2 7.0 10.4#
100 21.5 6.4 9.6#

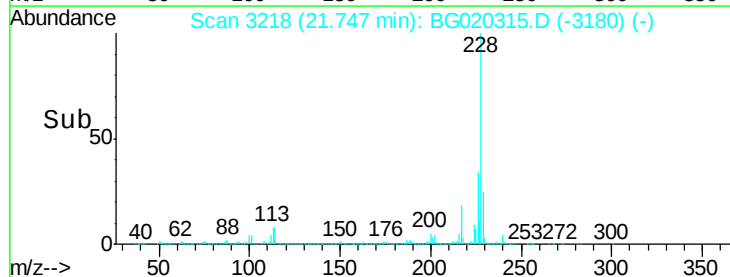
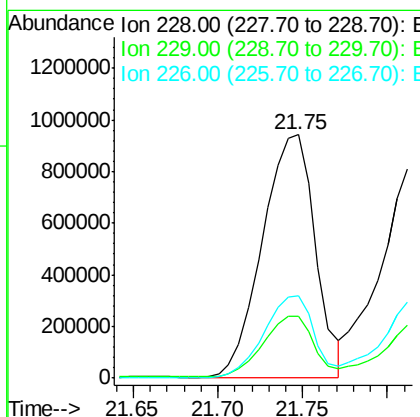
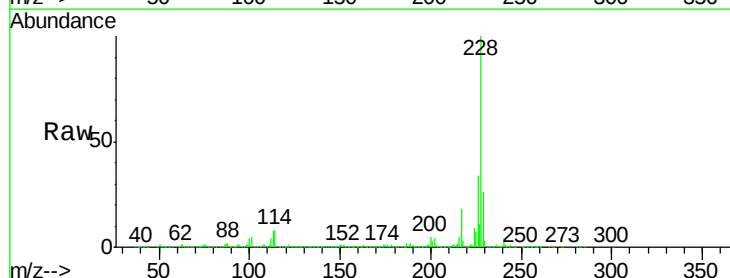
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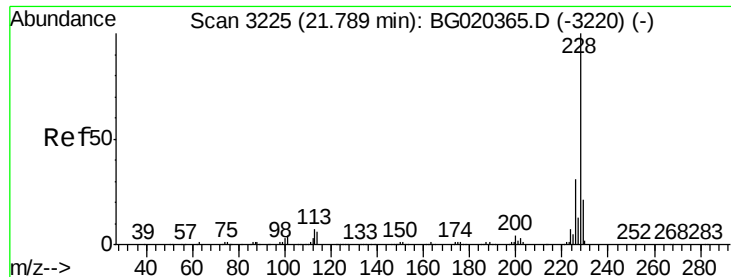
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#83
Benzo(a)anthracene
Concen: 169.53 ng/ul
RT: 21.75 min Scan# 3218
Delta R.T. 0.03 min
Lab File: BG020315.D
Acq: 19 Dec 2015 17:11

Tgt Ion:228 Resp: 2041440
Ion Ratio Lower Upper
228 100
229 25.5 15.8 23.8#
226 34.0 21.8 32.6#





#85

Chrysene

Concen: 151.03 ng/ul

RT: 21.81 min Scan# 3229

Delta R.T. 0.02 min

Lab File: BG020315.D

Acq: 19 Dec 2015 17:11

Instrument :

BNA_G

ClientSampleId :

D9N72

Tot Ion:228 Resp: 1712845

Ion Ratio Lower Upper

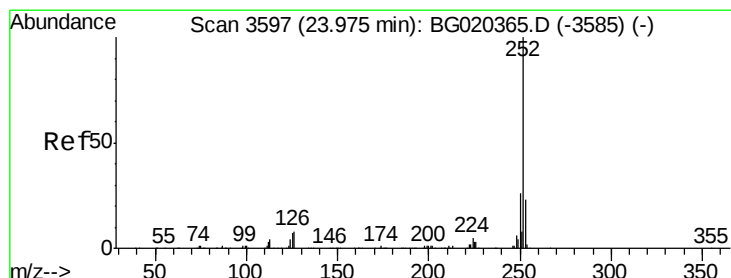
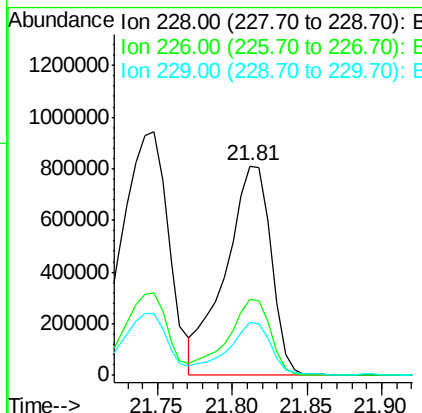
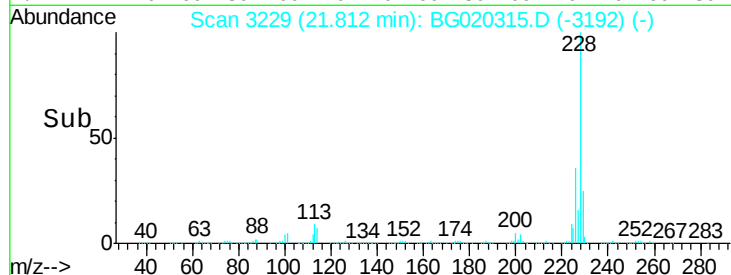
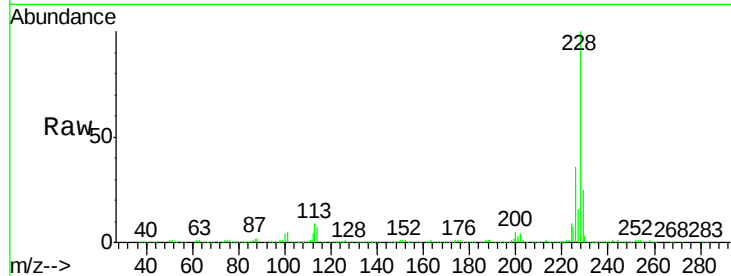
228 100

226 36.1 23.9 35.9#

229 25.3 15.6 23.4#

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#88

Benzo(b)fluoranthene

Concen: 94.18 ng/ul

RT: 24.00 min Scan# 3601

Delta R.T. 0.03 min

Lab File: BG020315.D

Acq: 19 Dec 2015 17:11

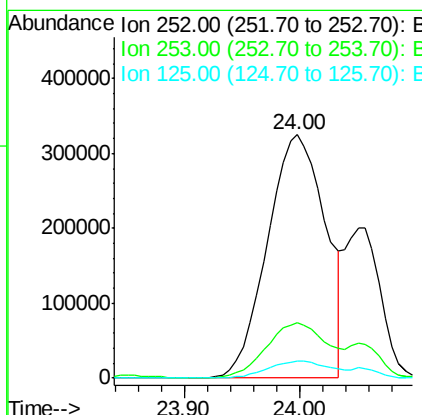
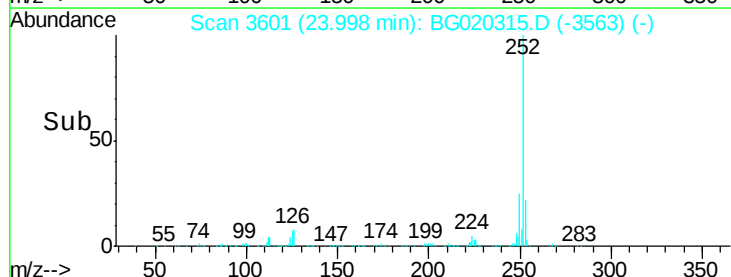
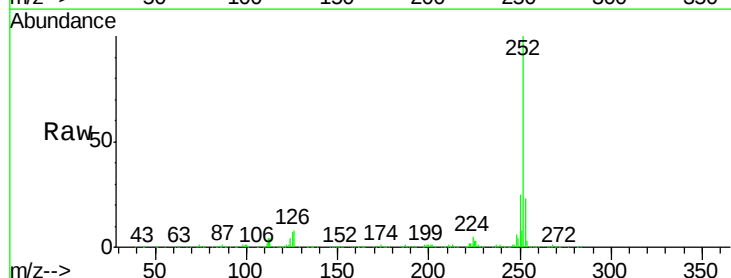
Tgt Ion:252 Resp: 1130157

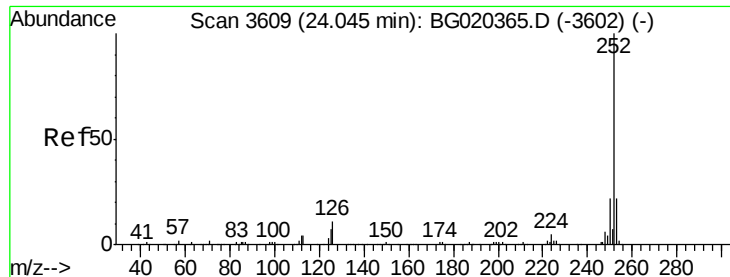
Ion Ratio Lower Upper

252 100

253 22.5 16.7 25.1

125 6.9 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 37.45 ng/ul m

RT: 24.06 min Scan# 3611

Delta R.T. 0.01 min

Lab File: BG020315.D

Acq: 19 Dec 2015 17:11

Instrument :

BNA_G

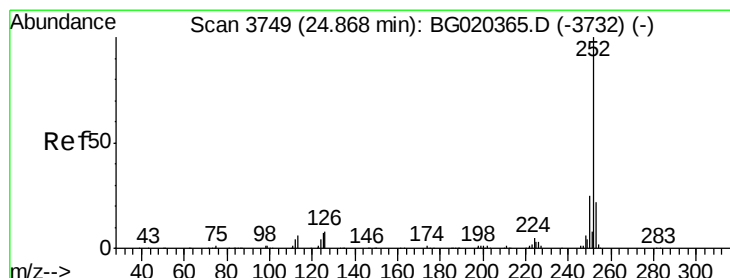
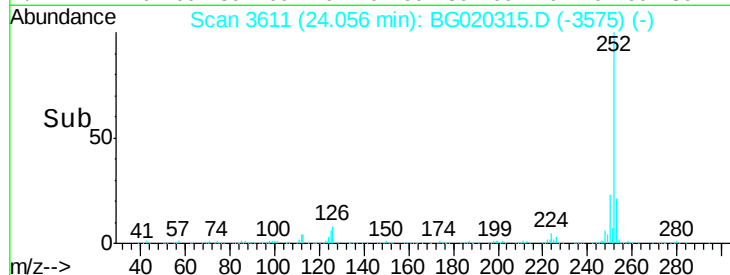
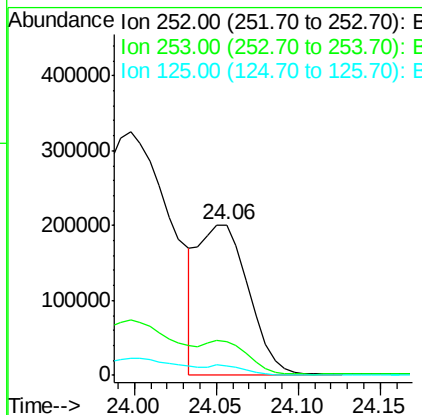
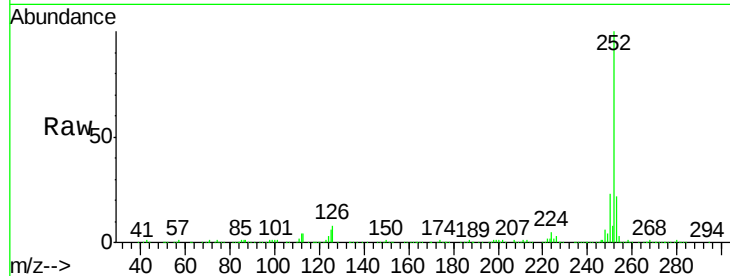
ClientSampleId :

D9N72

Tot Ion:	252	Resp:	431262
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.9	26.9
125	6.2	5.8	8.6

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#91

Benzo(a)pyrene

Concen: 58.53 ng/ul

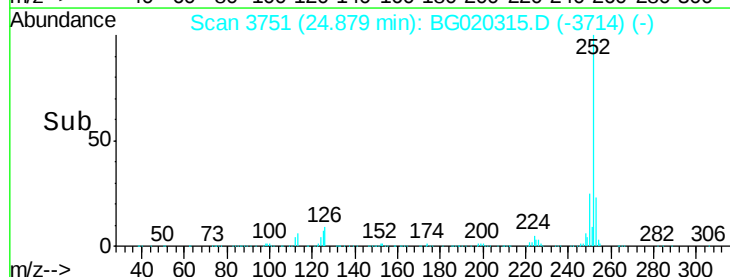
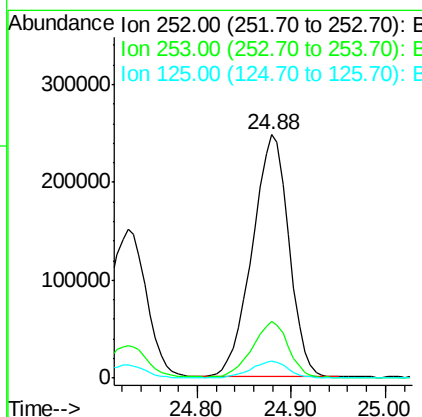
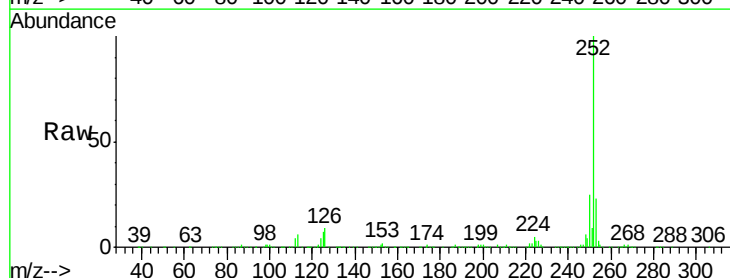
RT: 24.88 min Scan# 3751

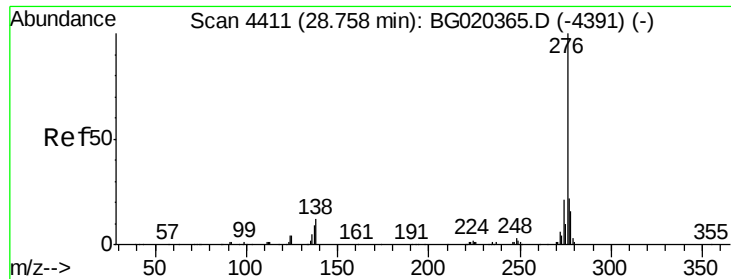
Delta R.T. 0.02 min

Lab File: BG020315.D

Acq: 19 Dec 2015 17:11

Tgt Ion:	252	Resp:	665779
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.4
125	7.2	6.2	9.4





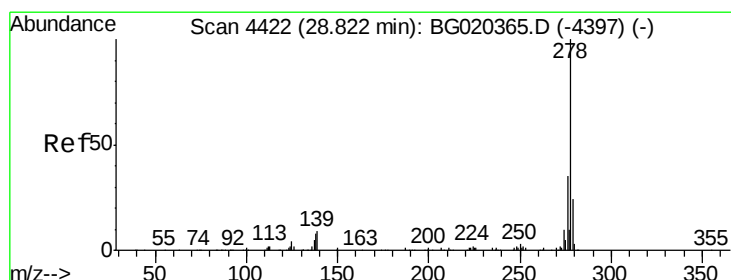
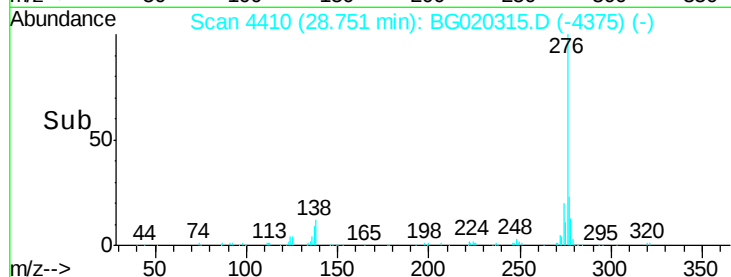
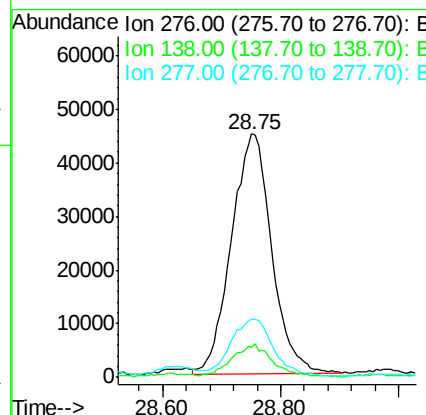
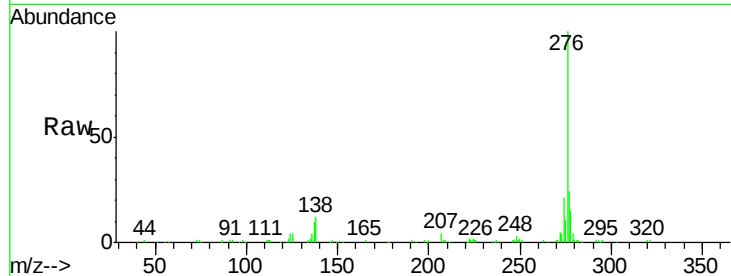
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 15.66 ng/ul
 RT: 28.75 min Scan# 4410
 Delta R.T. 0.01 min
 Lab File: BG020315.D
 Acq: 19 Dec 2015 17:11

Instrument :
 BNA_G
 ClientSampleId :
 D9N72

Tot Ion	Ratio	Resp	Lower	Upper
276	100	212194		
138	12.4		11.4	17.0
277	24.0		17.4	26.0

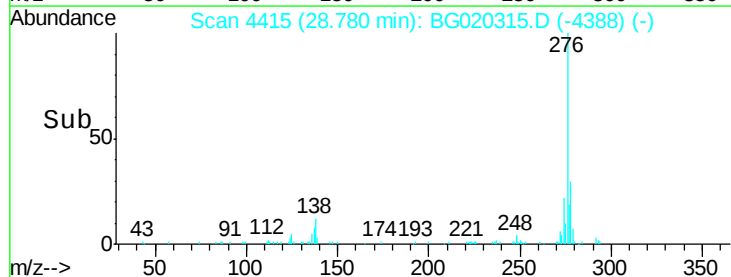
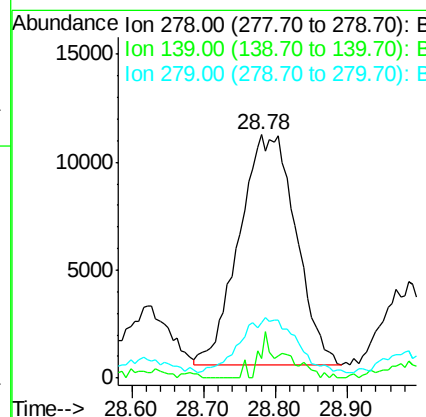
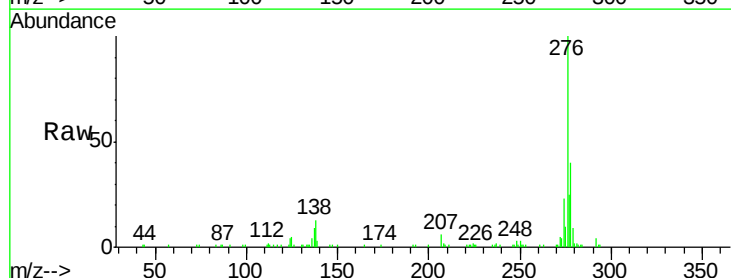
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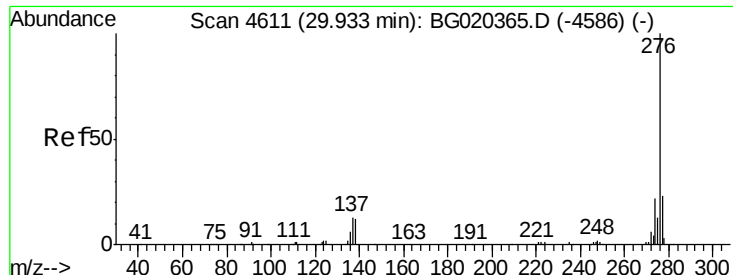
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#93
 Dibenzo(a,h)anthracene
 Concen: 5.23 ng/ul m
 RT: 28.78 min Scan# 4415
 Delta R.T. -0.04 min
 Lab File: BG020315.D
 Acq: 19 Dec 2015 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	58818		
139	8.2		9.4	14.2#
279	23.0		19.4	29.0





#94
 Benzo(a,h,i)perylene
 Concen: 14.30 ng/ul
 RT: 29.92 min Scan# 4609
 Delta R.T. -0.00 min
 Lab File: BG020315.D
 Acq: 19 Dec 2015 17:11

Instrument :
 BNA_G
 ClientSampleId :
 D9N72

Tot Ion:	276	Resp:	158747
Ion Ratio	Lower	Upper	
276	100		
138	13.9	10.8	16.2
277	22.7	19.9	29.9

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