

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
 Data File : BG020366.D
 Acq On : 21 Dec 2015 6:25
 Operator : UM/SJ
 Sample : G4848-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N60

Manual Integrations
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Quant Time: Dec 22 09:51:01 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:46:34 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	23529	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	101854	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	69655	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	156408	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	199168	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	191400	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	1319	3.10	ng/uL	0.00
5) Phenol-d5	7.25	99	39103	18.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	25110	20.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	31981	21.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	34310	19.34	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	18601	23.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	20835	23.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.54	165	36903	20.62	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	43763	21.77	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	125364	22.25	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	149885	22.86	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	15945	15.78	ng/ul	0.00
58) Fluorene-d10	15.72	176	113257	22.16	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.85	200	13630	14.70	ng/ul	0.02
71) Anthracene-d10	17.58	188	169355	23.50	ng/ul	0.00
79) Pyrene-d10	19.85	212	204777	22.06	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	230890	24.19	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.98	128	2335263	439.04	ng/ul#	88
34) 2-Methylnaphthalene	12.57	142	749587	184.50	ng/ul	95
41) 1,1'-Biphenyl	13.56	154	334405	63.64	ng/ul	96
45) Dimethylphthalate	14.17	163	53658	9.32	ng/ul	97
48) Acenaphthylene	14.45	152	68654	9.86	ng/ul#	94
50) Acenaphthene	14.80	153	1264058	269.77	ng/ul	95
54) Dibenzofuran	15.13	168	1251120	179.49	ng/ul	92
59) Fluorene	15.78	166	1086924	194.18	ng/ul	99
70) Phenanthrene	17.54	178	3690044m	431.32	ng/ul	
72) Anthracene	17.62	178	412045	47.49	ng/ul	98
75) Carbazole	17.87	167	227442	31.19	ng/ul	99
77) Fluoranthene	19.54	202	2567158m	256.75	ng/ul	
80) Pyrene	19.90	202	1956952	162.34	ng/ul#	93
83) Benzo(a)anthracene	21.73	228	566031	48.71	ng/ul	97
85) Chrysene	21.79	228	456463	41.70	ng/ul	98
88) Benzo(b)fluoranthene	23.97	252	277693	24.11	ng/ul	96
89) Benzo(k)fluoranthene	24.04	252	101727m	9.20	ng/ul	
91) Benzo(a)pyrene	24.87	252	159928	14.65	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	28.74	276	41973	3.23	ng/ul	95
93) Dibenzo(a,h)anthracene	28.78	278	13367m	1.24	ng/ul	
94) Benzo(a,h,i)perylene	29.91	276	34477	3.23	ng/ul	94

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

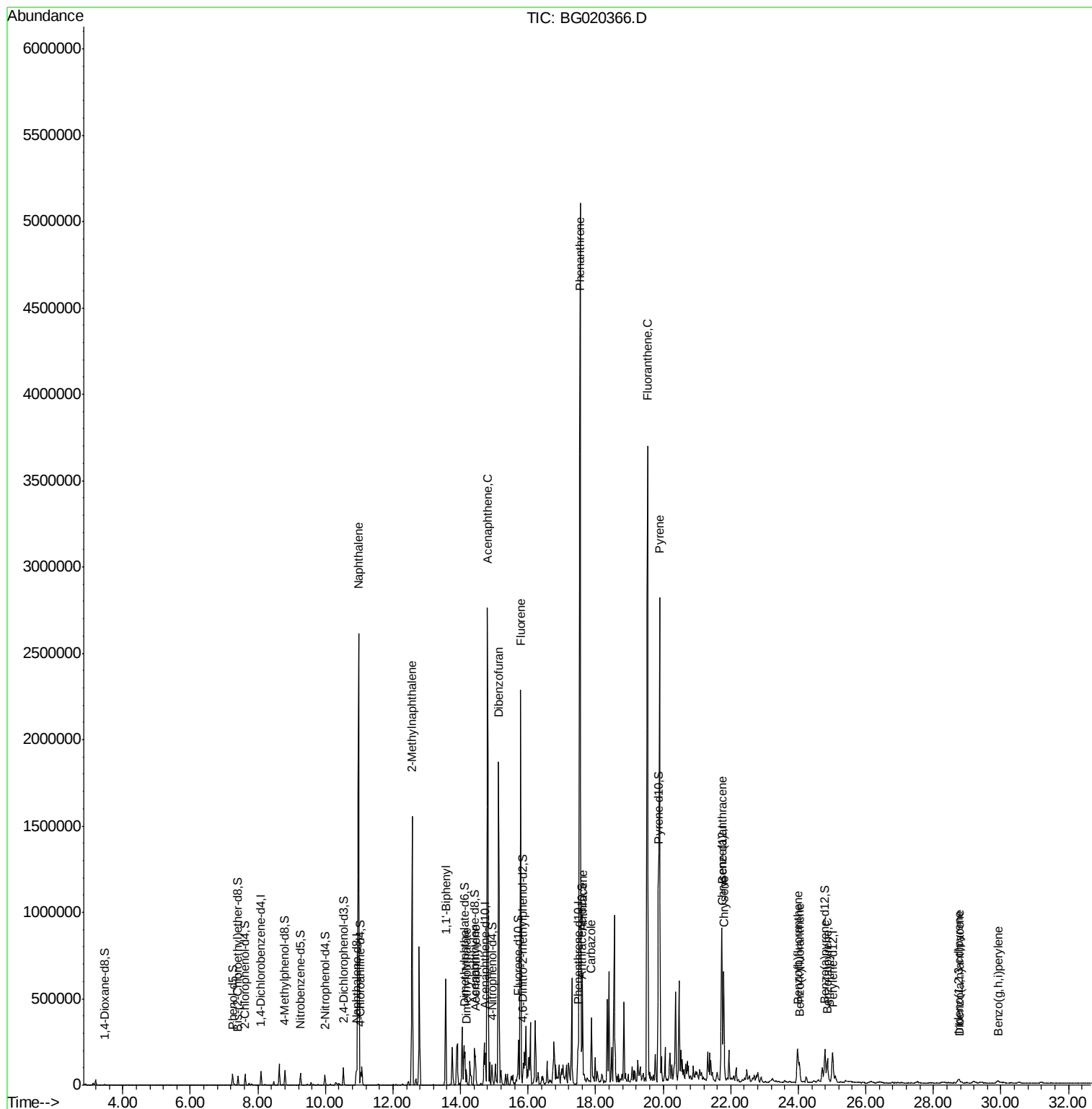
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
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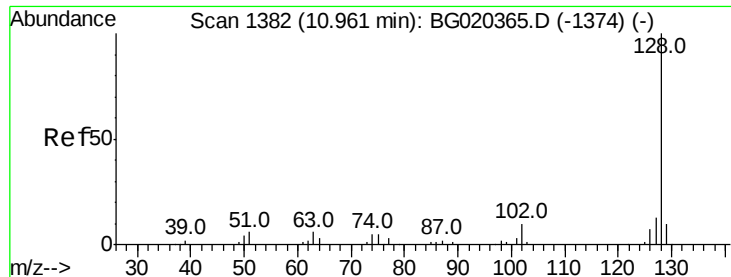
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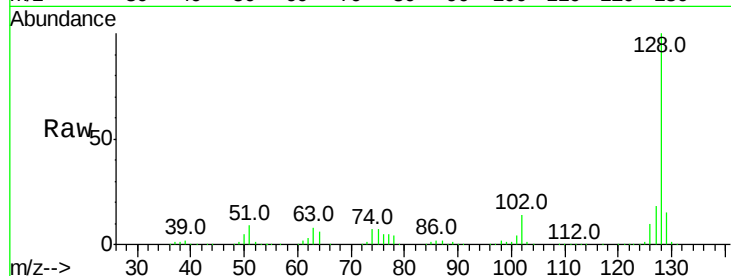
#28
Naphthalene
Concen: 439.04 ng/ul
RT: 10.98 min Scan# 1386
Delta R.T. 0.02 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Instrument :
BNA_G
ClientSampleId :
D9N60

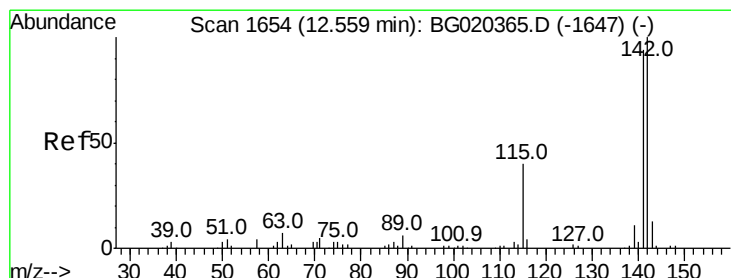
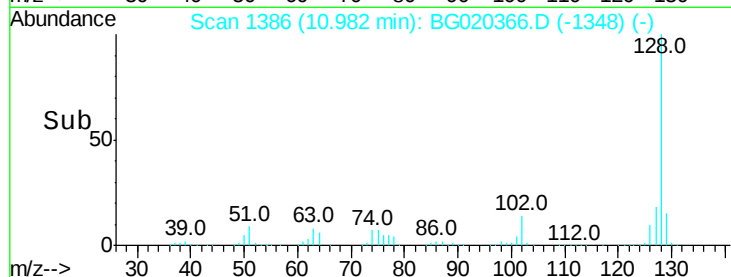
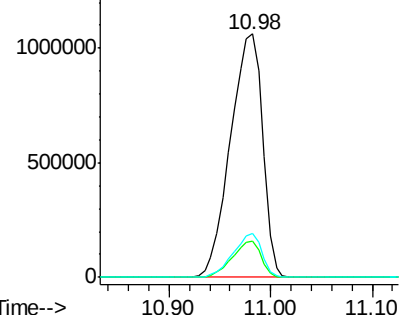
Tot Ion:128 Resp: 2335263
Ion Ratio Lower Upper
128 100
129 14.7 8.6 12.8#
127 17.9 10.1 15.1#

Manual Integrations
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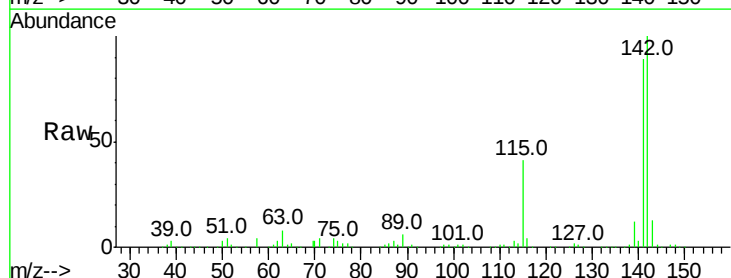


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

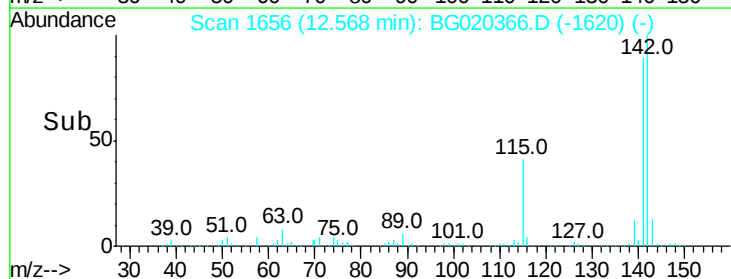
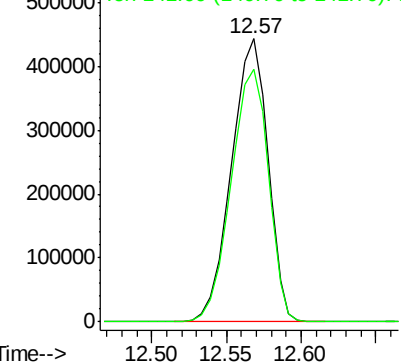


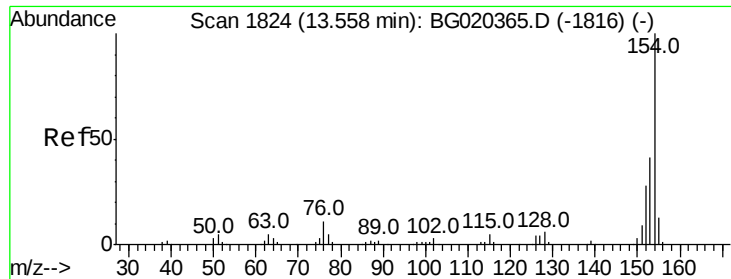
#34
2-Methylnaphthalene
Concen: 184.50 ng/ul
RT: 12.57 min Scan# 1656
Delta R.T. 0.01 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Tgt Ion:142 Resp: 749587
Ion Ratio Lower Upper
142 100
141 89.3 74.9 112.3



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





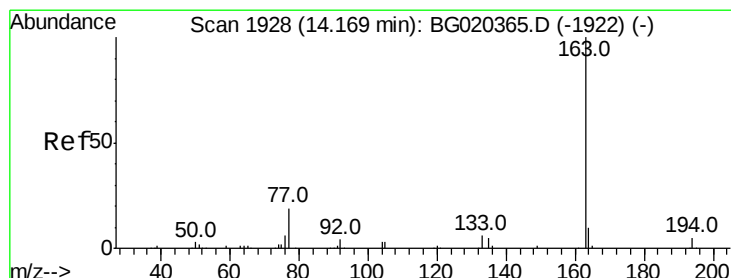
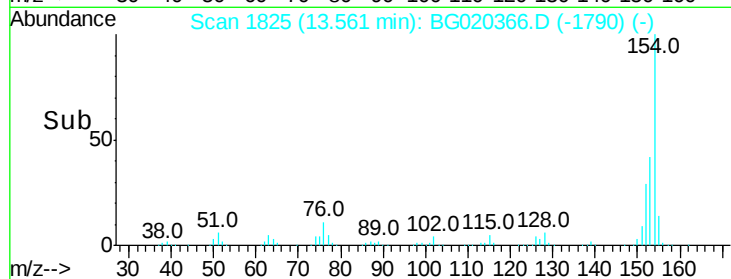
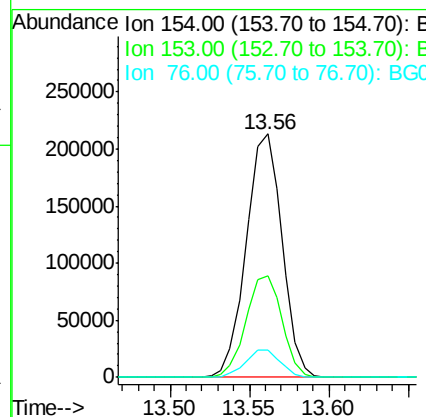
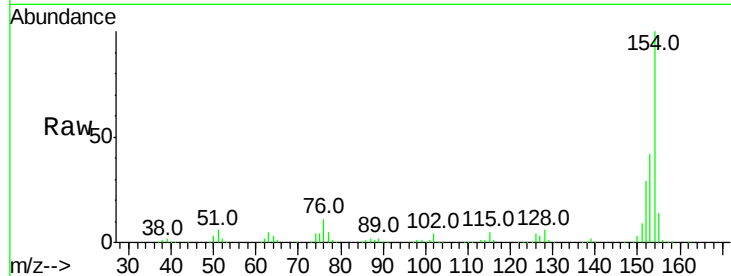
#41
 1,1'-Biphenyl
 Concen: 63.64 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BG020366.D
 Acq: 21 Dec 2015 6:25

Instrument :
 BNA_G
 ClientSampleId :
 D9N60

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.5	35.5	53.3
76	11.4	10.4	15.6

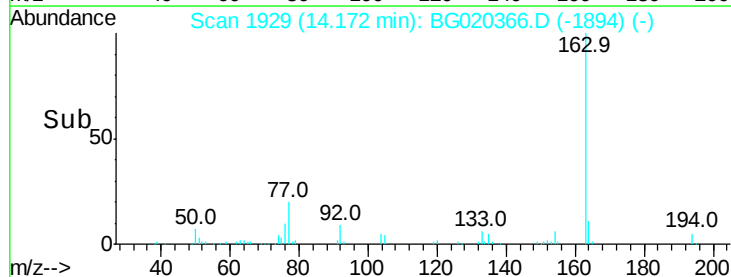
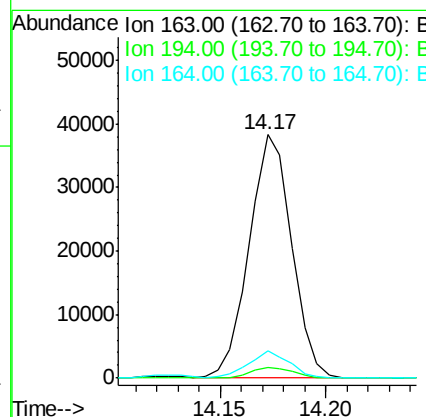
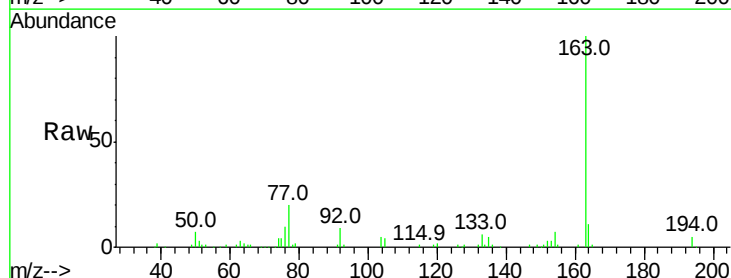
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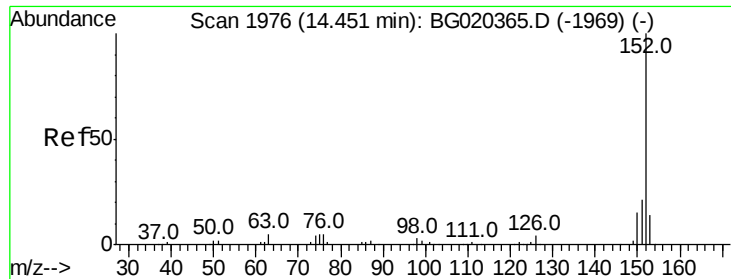
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#45
 Dimethylphthalate
 Concen: 9.32 ng/ul
 RT: 14.17 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: BG020366.D
 Acq: 21 Dec 2015 6:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	11.1	7.7	11.5





#48

Acenaphthylene

Concen: 9.86 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG020366.D

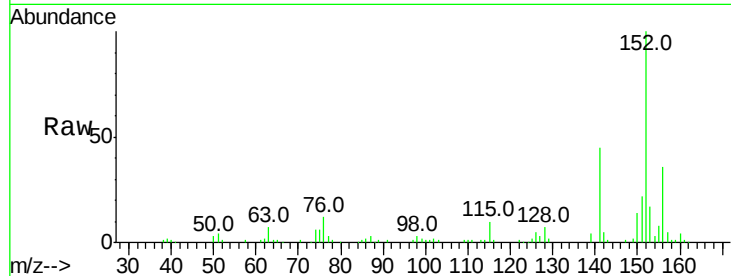
Acq: 21 Dec 2015 6:25

Instrument :

BNA_G

ClientSampleId :

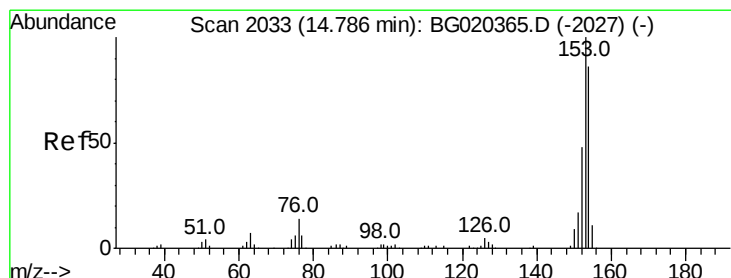
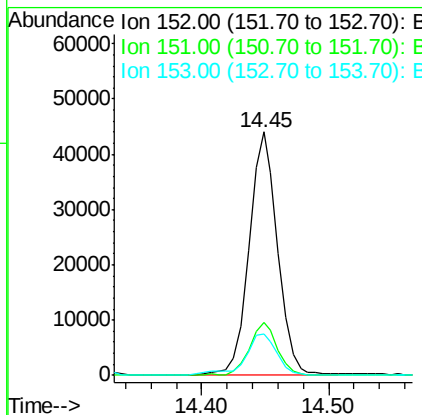
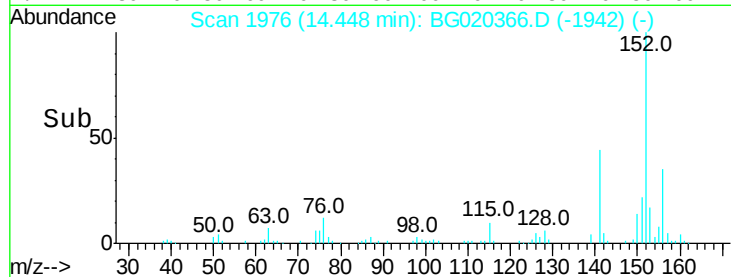
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Tot Ion	Ratio	Resp	Lower	Upper
152	100	68654		
151	21.6		16.4	24.6
153	17.2		10.4	15.6

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#50

Acenaphthene

Concen: 269.77 ng/ul

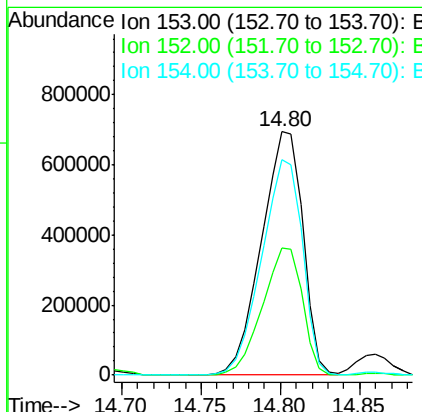
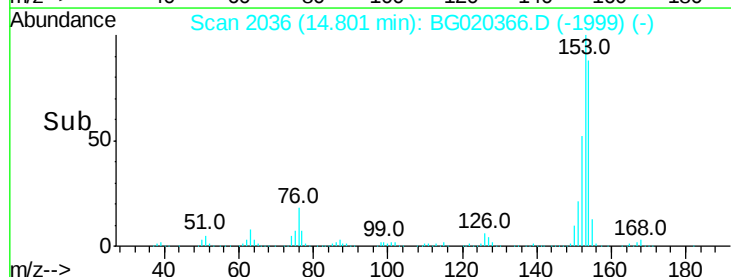
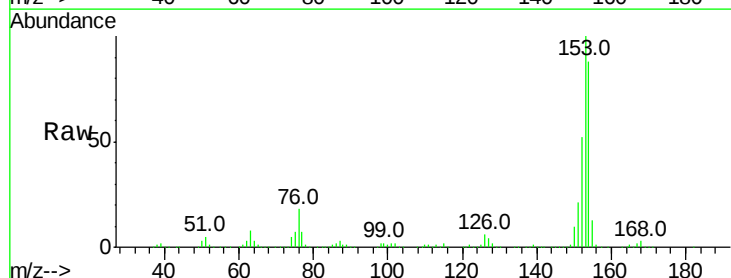
RT: 14.80 min Scan# 2036

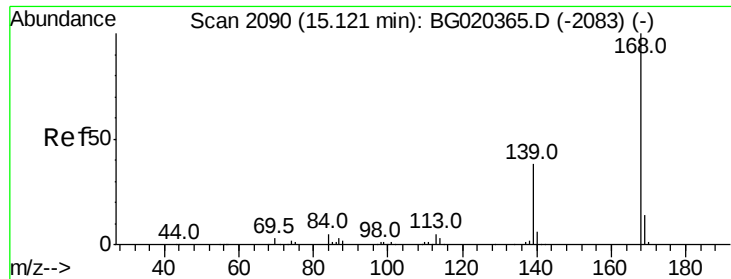
Delta R.T. 0.02 min

Lab File: BG020366.D

Acq: 21 Dec 2015 6:25

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	1264058		
152	52.0		37.6	56.4
154	88.4		67.9	101.9





#54

Dibenzofuran

Concen: 179.49 ng/ul

RT: 15.13 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BG020366.D

Acq: 21 Dec 2015 6:25

Instrument :

BNA_G

ClientSampleId :

D9N60

Tot Ion:168 Resp: 1251120

Ion Ratio Lower Upper

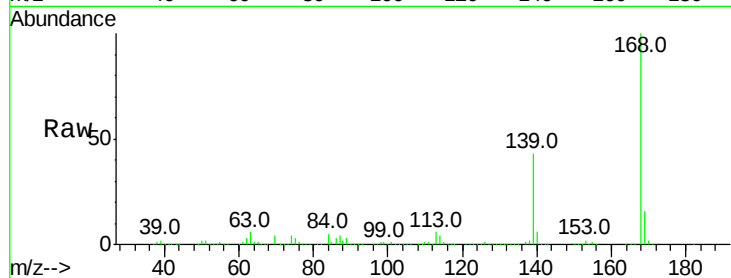
168 100

139 43.1 30.5 45.7

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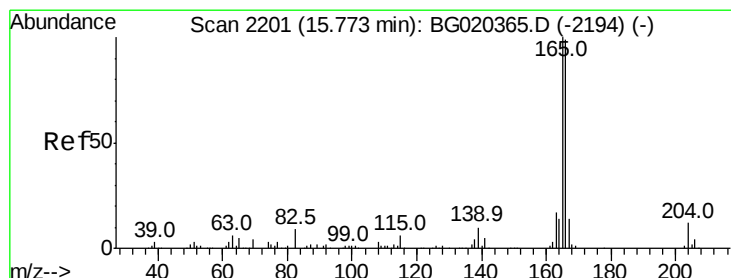
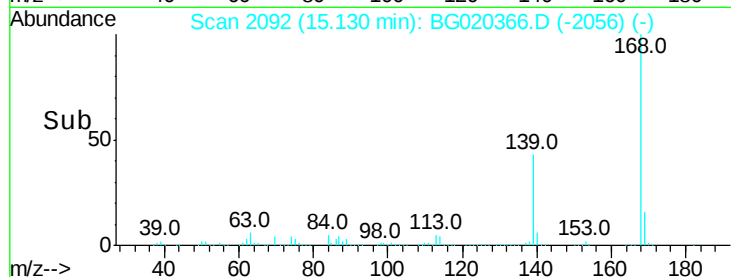
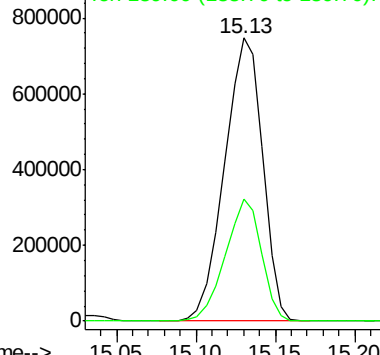
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 194.18 ng/ul

RT: 15.78 min Scan# 2203

Delta R.T. 0.01 min

Lab File: BG020366.D

Acq: 21 Dec 2015 6:25

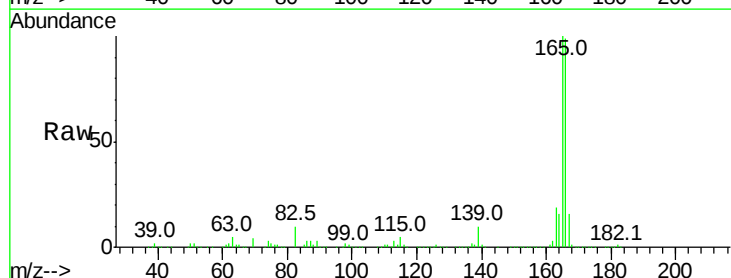
Tgt Ion:166 Resp: 1086924

Ion Ratio Lower Upper

166 100

165 101.5 81.4 122.0

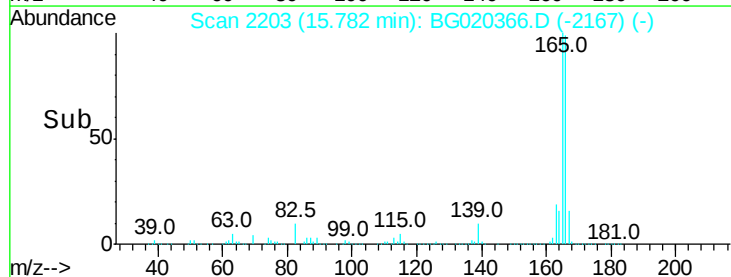
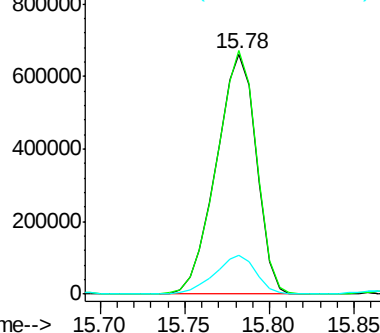
167 16.4 11.2 16.8

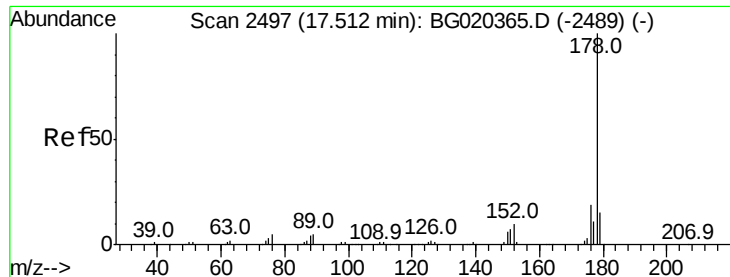


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 431.32 ng/ul m

RT: 17.54 min Scan# 2503

Delta R.T. 0.03 min

Lab File: BG020366.D

Acq: 21 Dec 2015 6:25

Instrument :

BNA_G

ClientSampleId :

D9N60

Tot Ion:178 Resp: 3690044

Ion Ratio Lower Upper

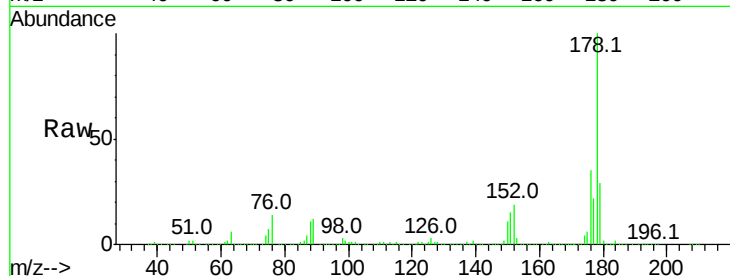
178 100

179 28.7 12.9 19.3#

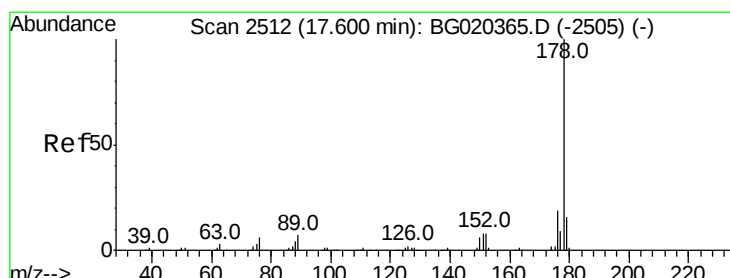
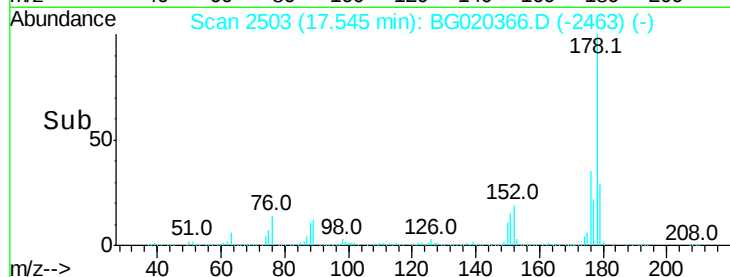
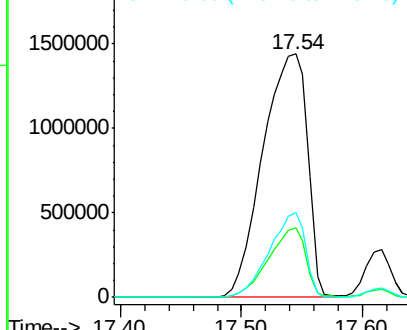
176 34.7 15.3 22.9#

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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



#72

Anthracene

Concen: 47.49 ng/ul

RT: 17.62 min Scan# 2515

Delta R.T. 0.02 min

Lab File: BG020366.D

Acq: 21 Dec 2015 6:25

Tgt Ion:178 Resp: 412045

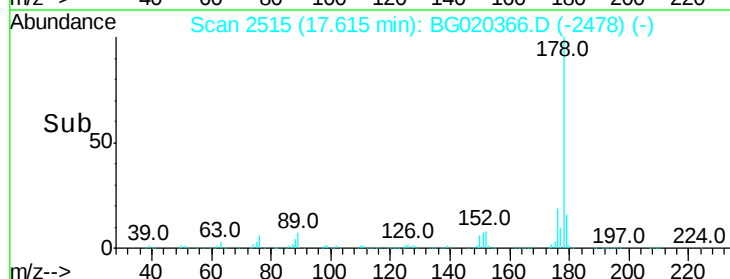
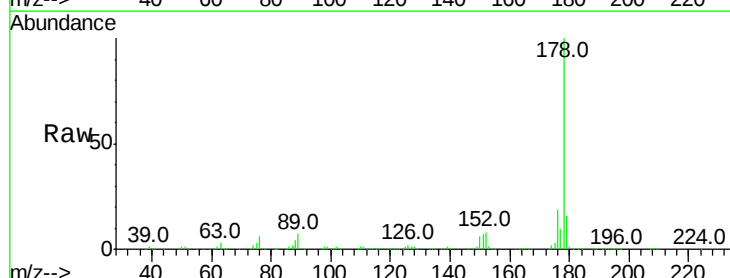
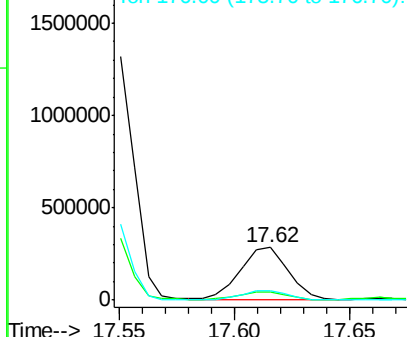
Ion Ratio Lower Upper

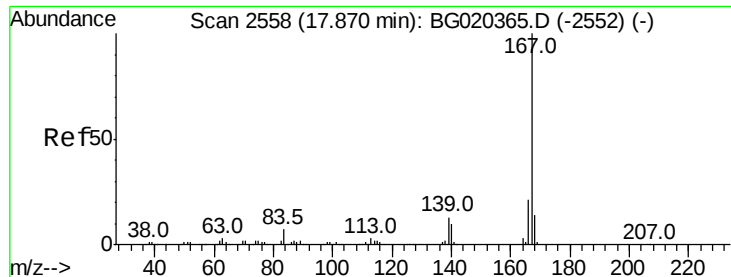
178 100

179 16.3 12.3 18.5

176 19.0 14.3 21.5

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





#75

Carbazole

Concen: 31.19 ng/ul

RT: 17.87 min Scan# 2559

Delta R.T. 0.00 min

Lab File: BG020366.D

Acq: 21 Dec 2015 6:25

Instrument :

BNA_G

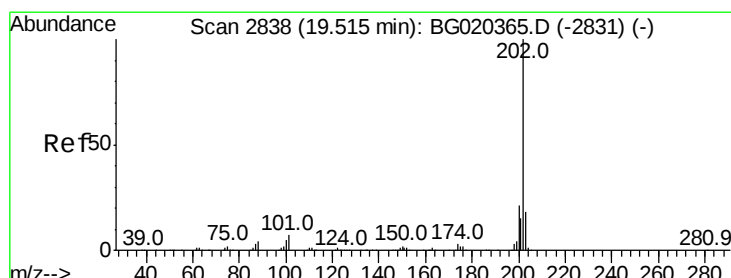
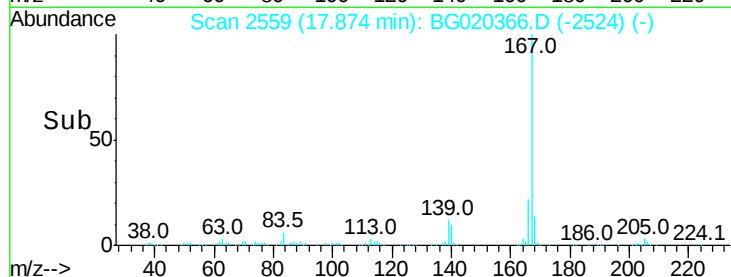
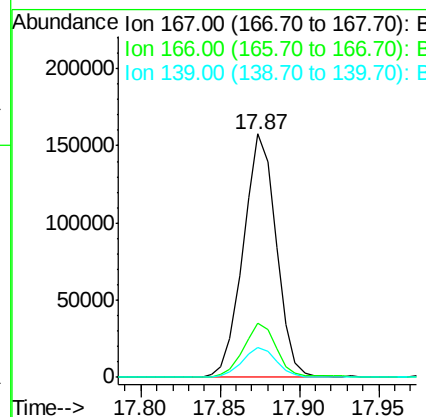
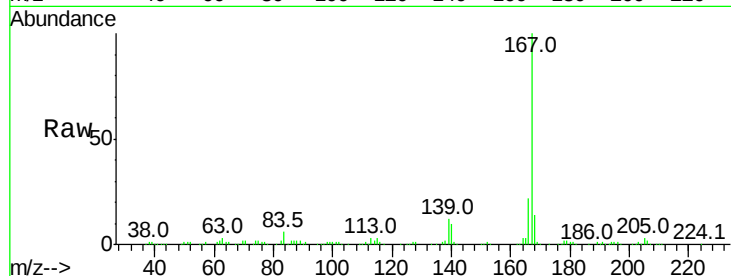
ClientSampleId :

D9N60

Tot Ion:	167	Resp:	227442
Ion Ratio		Lower	Upper
167	100		
166	22.1	17.0	25.6
139	12.3	10.1	15.1

Manual Integrations
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#77

Fluoranthene

Concen: 256.75 ng/ul m

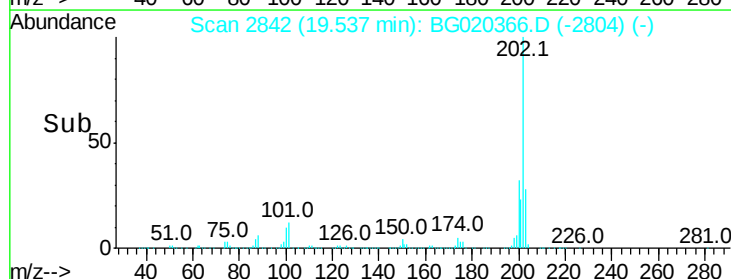
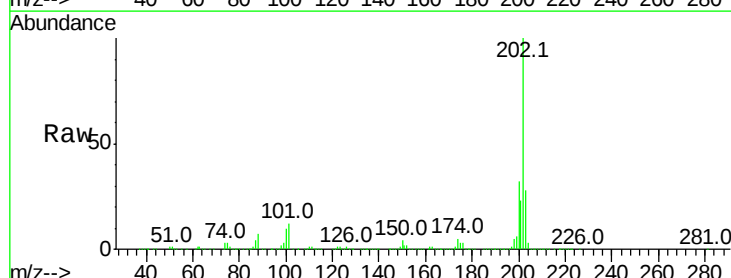
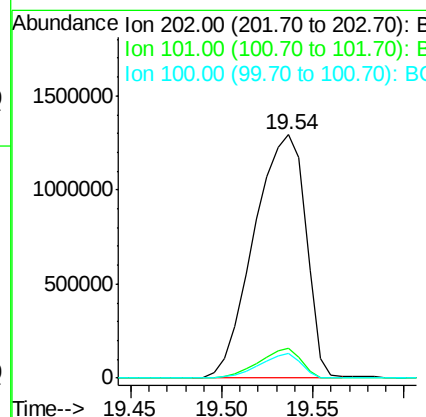
RT: 19.54 min Scan# 2842

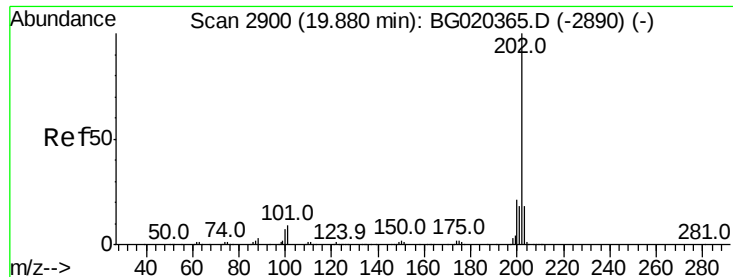
Delta R.T. 0.02 min

Lab File: BG020366.D

Acq: 21 Dec 2015 6:25

Tgt Ion:	202	Resp:	2567158
Ion Ratio		Lower	Upper
202	100		
101	12.1	6.2	9.4#
100	9.9	5.1	7.7#





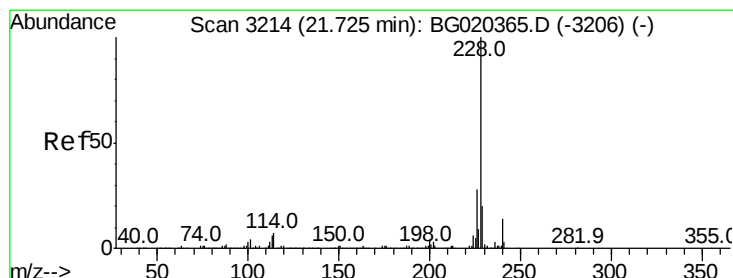
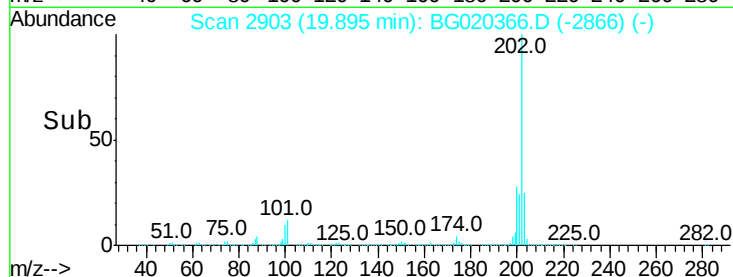
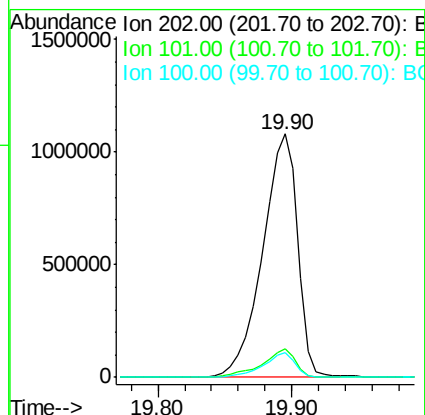
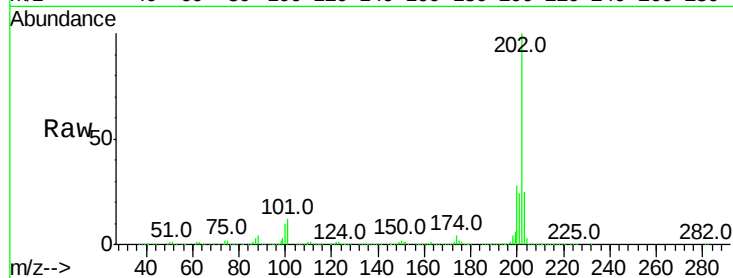
#80
Pvrene
Concen: 162.34 ng/ul
RT: 19.90 min Scan# 2903
Delta R.T. 0.02 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Instrument :
BNA_G
ClientSampleId :
D9N60

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1956952		
101	11.7		7.0	10.4#
100	10.0		6.4	9.6#

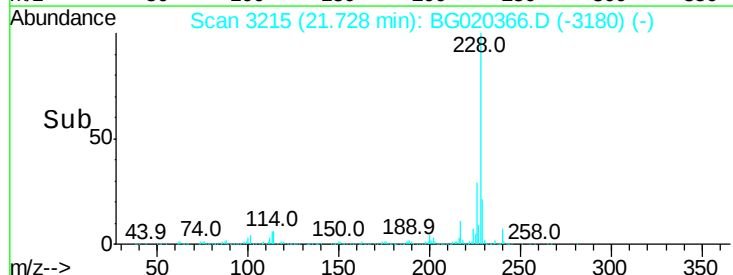
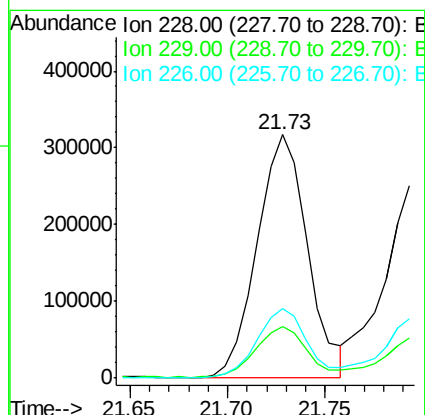
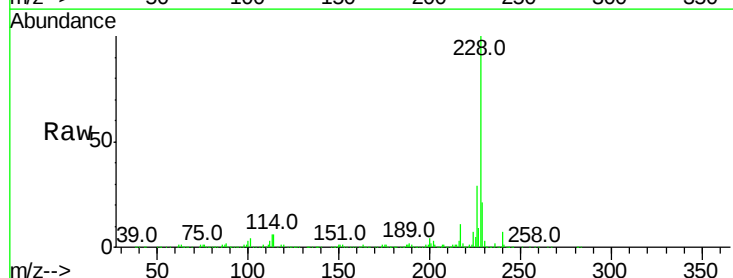
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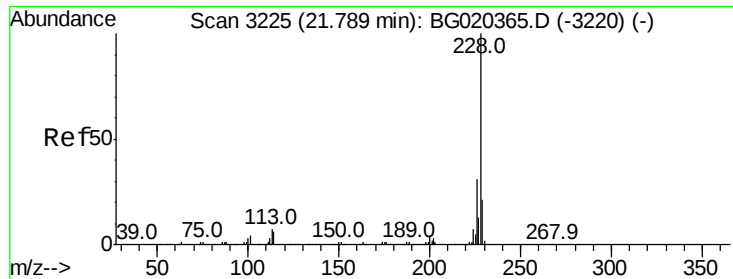
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#83
Benzo(a)anthracene
Concen: 48.71 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. 0.00 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	566031		
229	21.3		15.8	23.8
226	28.8		21.8	32.6





#85

Chrysene

Concen: 41.70 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. 0.00 min

Lab File: BG020366.D

Acq: 21 Dec 2015 6:25

Instrument :

BNA_G

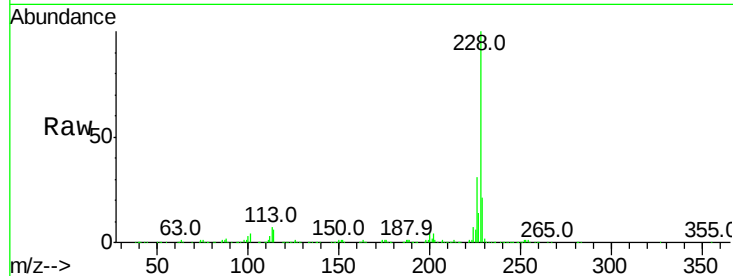
ClientSampleId :

D9N60

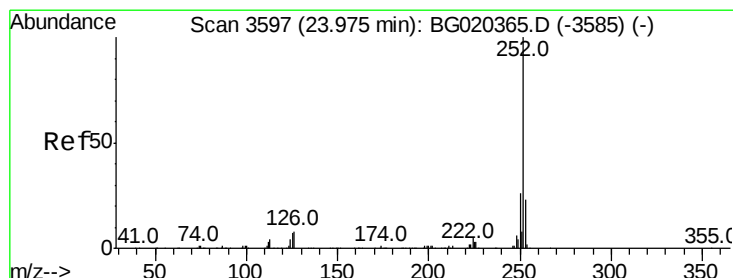
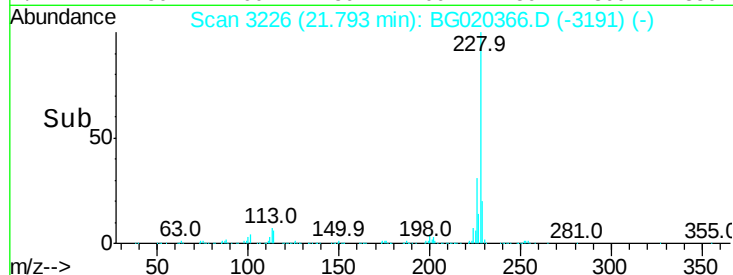
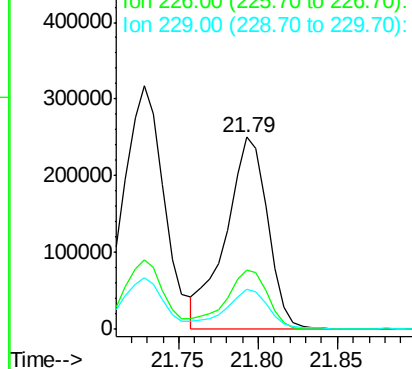
Tot Ion:	228	Resp:	456463
Ion Ratio	Lower	Upper	
228	100		
226	31.0	23.9	35.9
229	20.6	15.6	23.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 24.11 ng/ul

RT: 23.97 min Scan# 3597

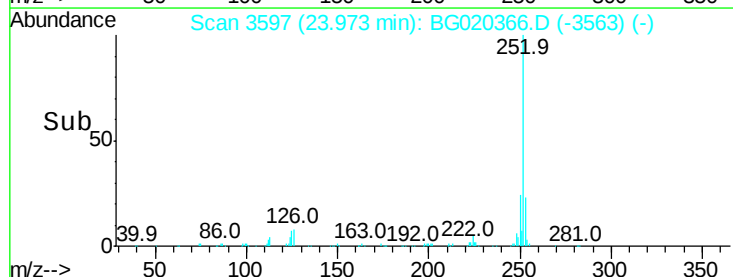
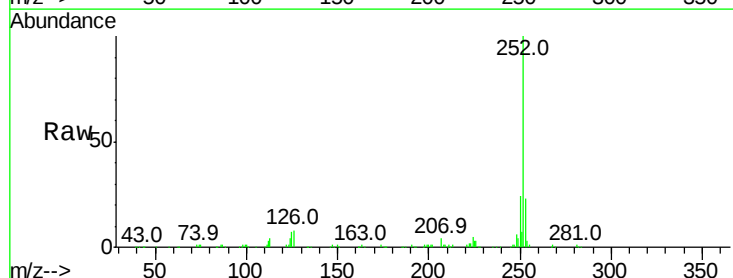
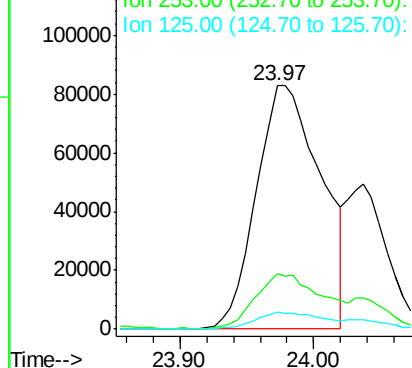
Delta R.T. -0.00 min

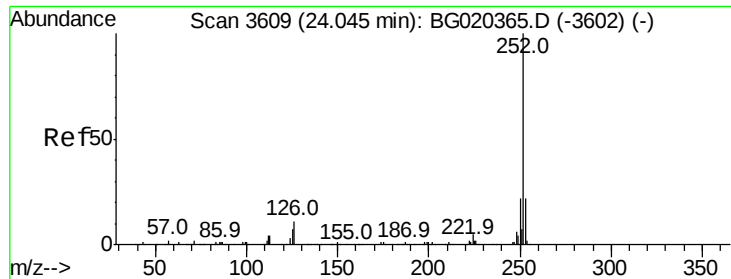
Lab File: BG020366.D

Acq: 21 Dec 2015 6:25

Tgt Ion:	252	Resp:	277693
Ion Ratio	Lower	Upper	
252	100		
253	22.8	16.7	25.1
125	6.9	6.2	9.2

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





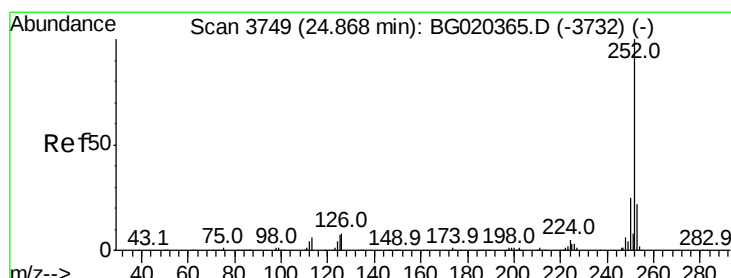
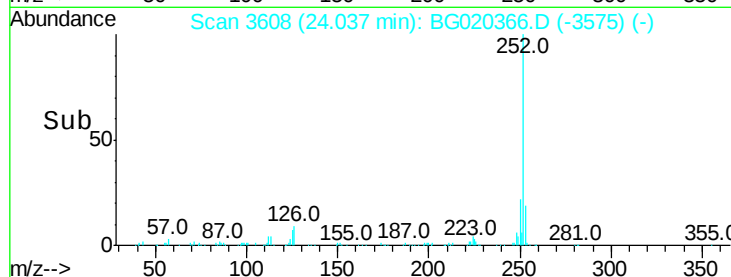
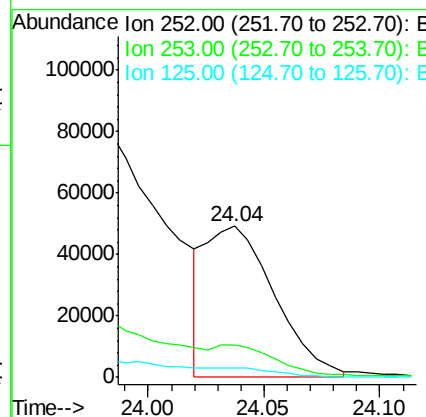
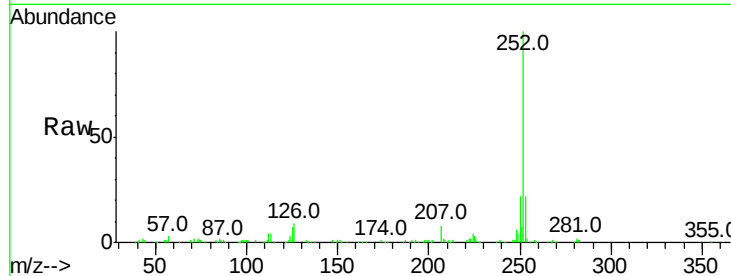
#89
Benzo(k)fluoranthene
Concen: 9.20 ng/ul m
RT: 24.04 min Scan# 3608
Delta R.T. -0.01 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Instrument :
BNA_G
ClientSampleId :
D9N60

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	6.6	5.8	8.6

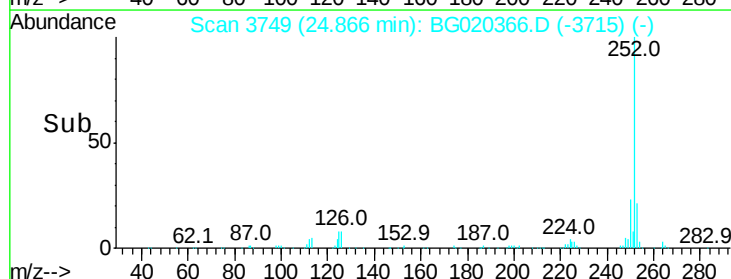
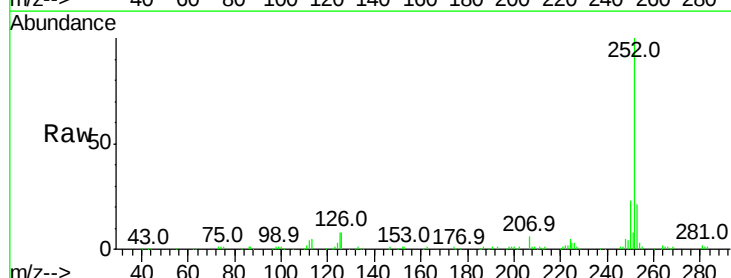
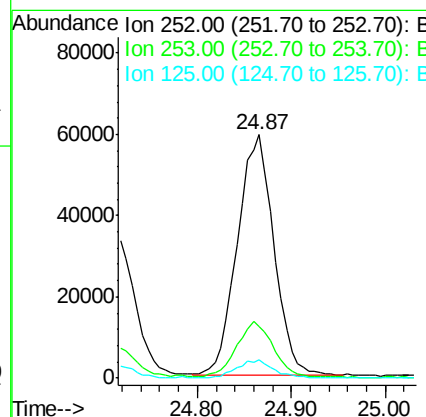
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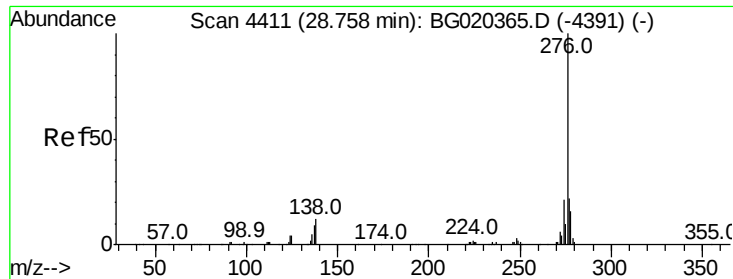
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#91
Benzo(a)pyrene
Concen: 14.65 ng/ul
RT: 24.87 min Scan# 3749
Delta R.T. -0.00 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.4
125	7.7	6.2	9.4





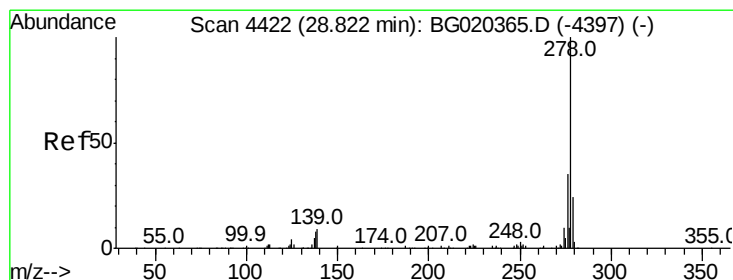
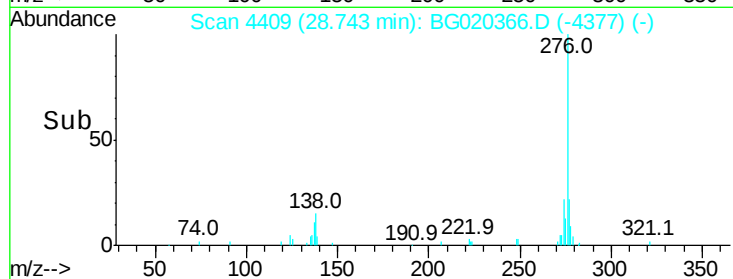
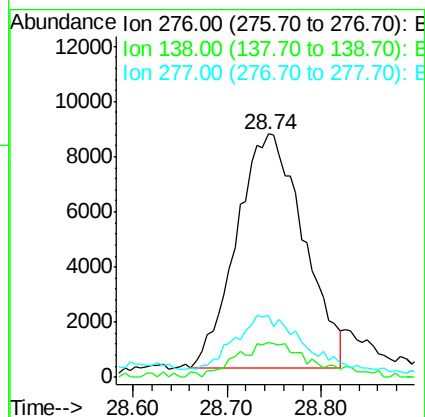
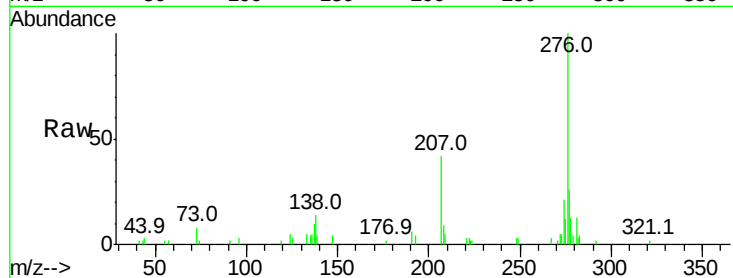
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 3.23 ng/ul
 RT: 28.74 min Scan# 4409
 Delta R.T. -0.01 min
 Lab File: BG020366.D
 Acq: 21 Dec 2015 6:25

Instrument :
 BNA_G
 ClientSampleId :
 D9N60

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.4	11.4	17.0
277	25.6	17.4	26.0

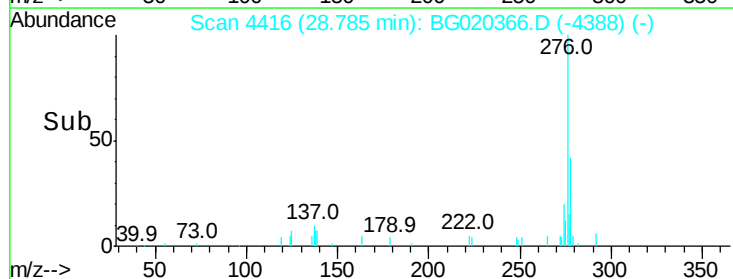
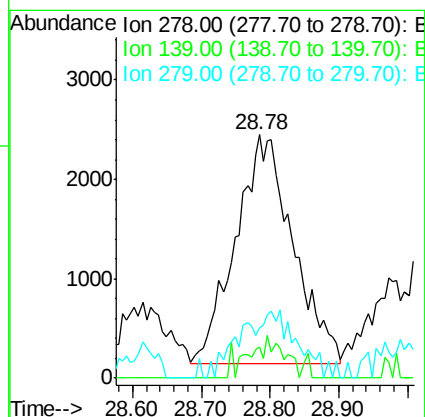
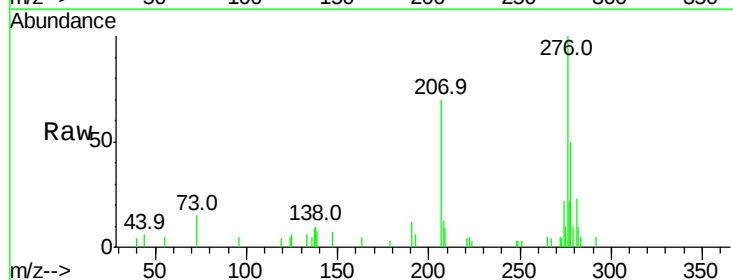
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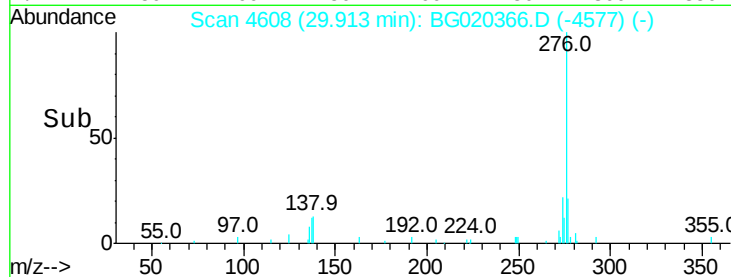
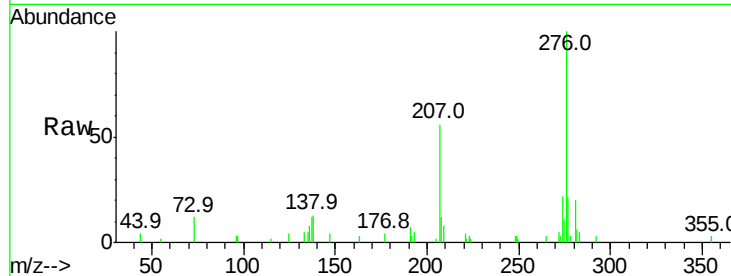
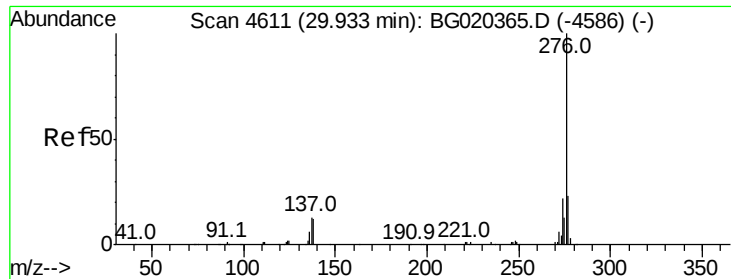
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#93
 Dibenzo(a,h)anthracene
 Concen: 1.24 ng/ul m
 RT: 28.78 min Scan# 4416
 Delta R.T. -0.04 min
 Lab File: BG020366.D
 Acq: 21 Dec 2015 6:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.9	9.4	14.2
279	20.7	19.4	29.0





#94

Benzo(a,h,i)perylene

Concen: 3.23 ng/ul

RT: 29.91 min Scan# 4608

Delta R.T. -0.02 min

Lab File: BG020366.D

Acq: 21 Dec 2015 6:25

Tot Ion:	276	Resp:	34477
Ion Ratio	Lower	Upper	
276	100		
138	12.7	10.8	16.2
277	20.7	19.9	29.9

Instrument :

BNA_G

ClientSampleId :

D9N60

Manual Integrations
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