

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
 Data File : BG020297.D
 Acq On : 19 Dec 2015 5:30
 Operator : UM/SJ
 Sample : G4768-17
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N41

Quant Time: Dec 20 03:40:05 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 19 04:52:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	19310	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	84280	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	57059	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	139573	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	183946	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	166641	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	551	1.58	ng/uL	0.00
5) Phenol-d5	7.24	99	14243	8.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	32479	31.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	35651	28.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	27427	18.83	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	22854	34.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	27127	37.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	47048	31.77	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	1155	0.69	ng/ul	0.01
44) Dimethylphthalate-d6	14.13	166	162109	35.12	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	189826	35.35	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	7107	8.59	ng/ul	0.00
58) Fluorene-d10	15.72	176	147242	35.17	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	26487	32.01	ng/ul	0.00
71) Anthracene-d10	17.57	188	231892	36.06	ng/ul	0.00
79) Pyrene-d10	19.85	212	280736	32.75	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	312697	37.62	ng/ul	0.00

Target Compounds

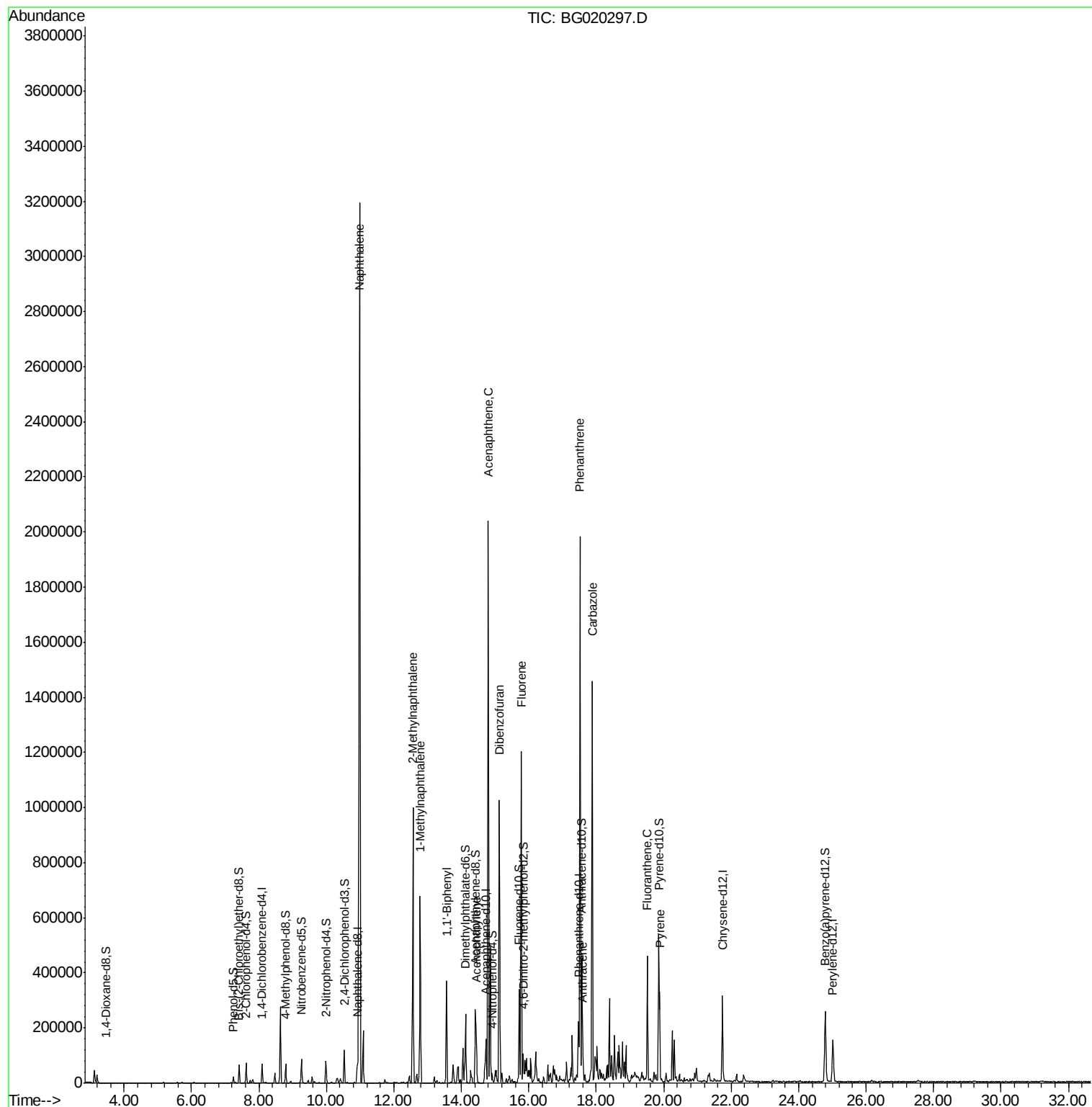
						Ovalue
28) Naphthalene	10.99	128	2932796	666.36	ng/ul#	83
34) 2-Methylnaphthalene	12.56	142	478210	142.25	ng/ul	98
35) 1-Methylnaphthalene	12.78	142	312529	96.70	ng/ul	95
41) 1,1'-Biphenyl	13.56	154	201414	46.79	ng/ul	95
48) Acenaphthylene	14.45	152	120450	21.11	ng/ul	97
50) Acenaphthene	14.80	153	908095	236.59	ng/ul	97
54) Dibenzofuran	15.12	168	644702	112.91	ng/ul	98
59) Fluorene	15.78	166	550244	120.00	ng/ul	98
70) Phenanthrene	17.52	178	1255393	164.44	ng/ul	95
72) Anthracene	17.60	178	84827	10.95	ng/ul	97
75) Carbazole	17.88	167	1028000	158.00	ng/ul	95
77) Fluoranthene	19.52	202	305360	34.22	ng/ul	98
80) Pyrene	19.88	202	181327	16.29	ng/ul	97

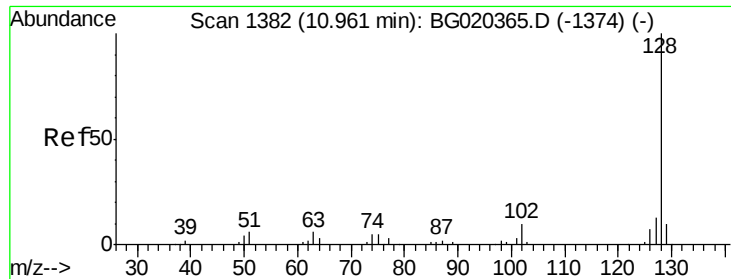
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 19 04:52:13 2015
Response via : Initial Calibration





#28

Naphthalene

Concen: 666.36 ng/ul

RT: 10.99 min Scan# 1387

Delta R.T. 0.03 min

Lab File: BG020297.D

Acq: 19 Dec 2015 5:30

Instrument :

BNA_G

ClientSampleId :

D9N41

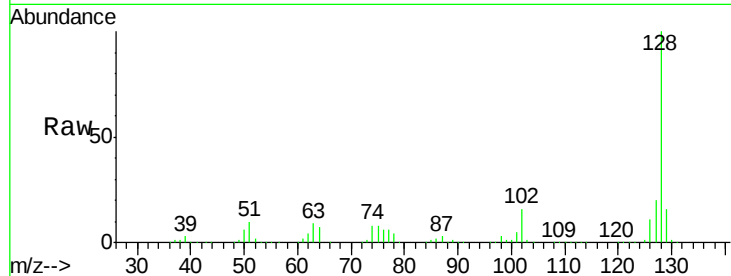
Tot Ion:128 Resp: 2932796

Ion Ratio Lower Upper

128 100

129 16.2 8.6 12.8#

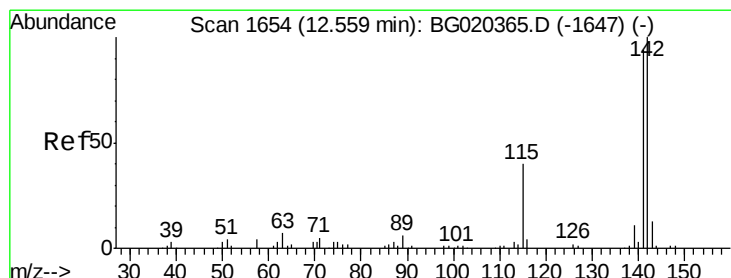
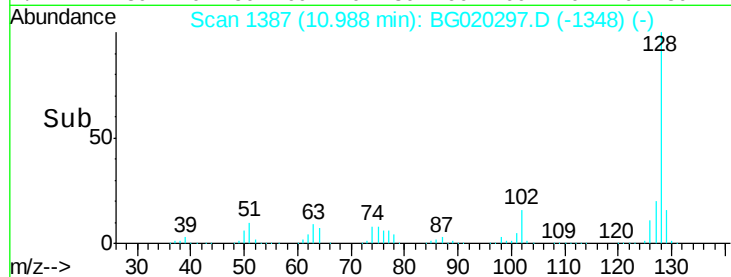
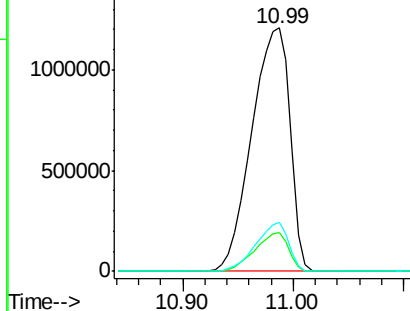
127 20.1 10.1 15.1#



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: 142.25 ng/ul

RT: 12.56 min Scan# 1655

Delta R.T. 0.01 min

Lab File: BG020297.D

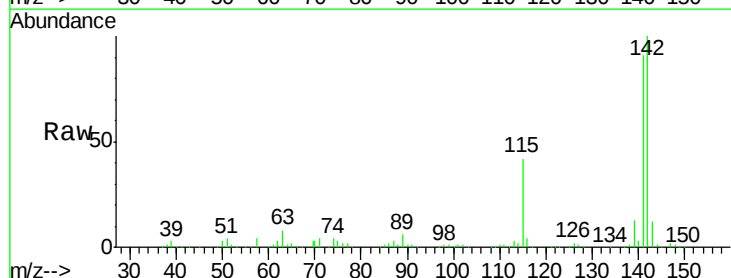
Acq: 19 Dec 2015 5:30

Tgt Ion:142 Resp: 478210

Ion Ratio Lower Upper

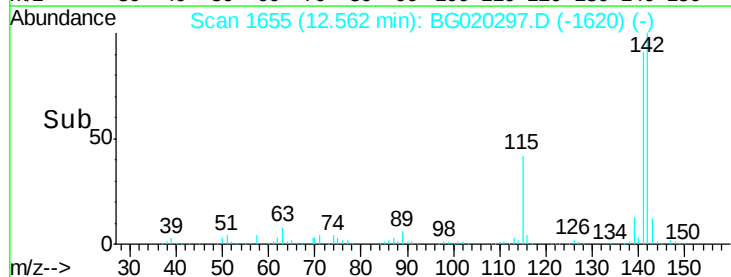
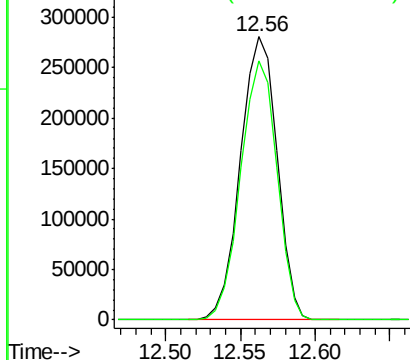
142 100

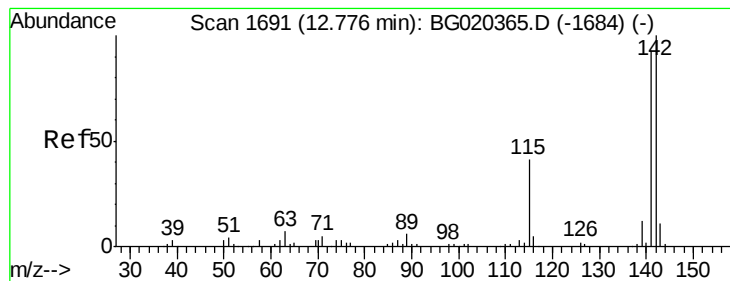
141 91.3 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#35

1-Methylnaphthalene

Concen: 96.70 ng/ul

RT: 12.78 min Scan# 1692

Delta R.T. 0.01 min

Lab File: BG020297.D

Acq: 19 Dec 2015 5:30

Instrument :

BNA_G

ClientSampleId :

D9N41

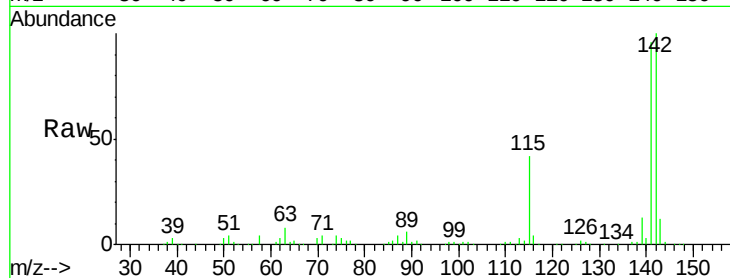
Tot Ion:142 Resp: 312529

Ion Ratio Lower Upper

142 100

141 96.2 73.0 109.6

116 4.4 3.0 4.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

250000

200000

150000

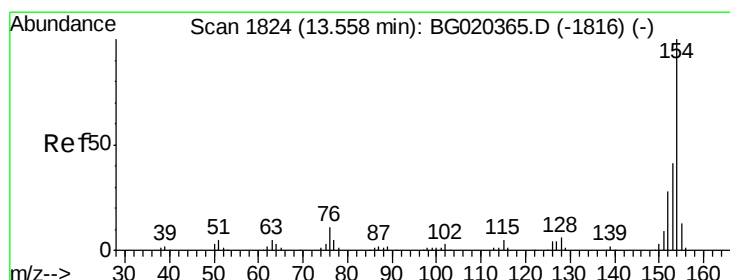
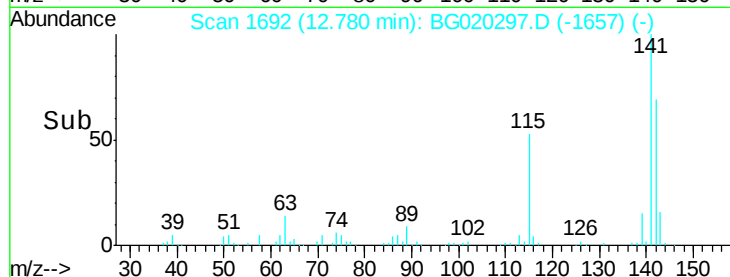
100000

50000

0

12.70 12.75 12.80 12.85

Time-->



#41

1,1'-Biphenyl

Concen: 46.79 ng/ul

RT: 13.56 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BG020297.D

Acq: 19 Dec 2015 5:30

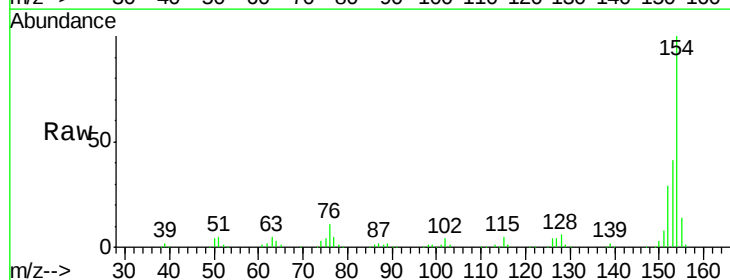
Tgt Ion:154 Resp: 201414

Ion Ratio Lower Upper

154 100

153 41.3 35.5 53.3

76 11.4 10.4 15.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG

150000

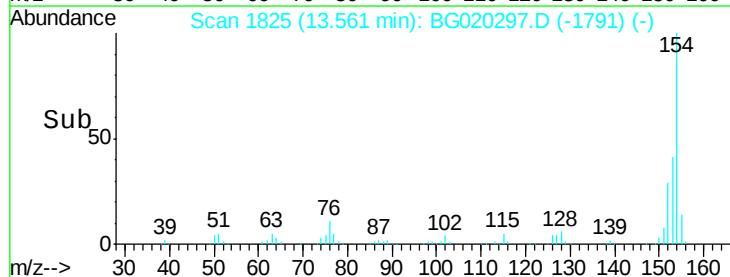
100000

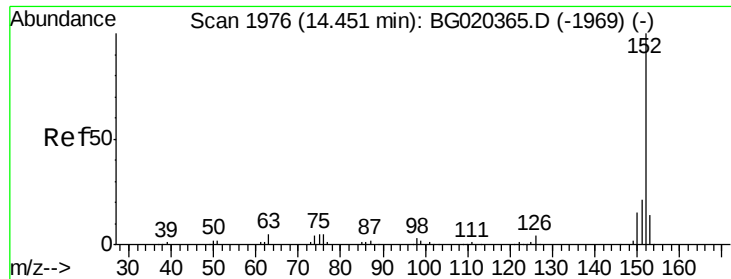
50000

0

13.50 13.55 13.60

Time-->





#48

Acenaphthylene

Concen: 21.11 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BG020297.D

Acq: 19 Dec 2015 5:30

Instrument :

BNA_G

ClientSampled :

D9N41

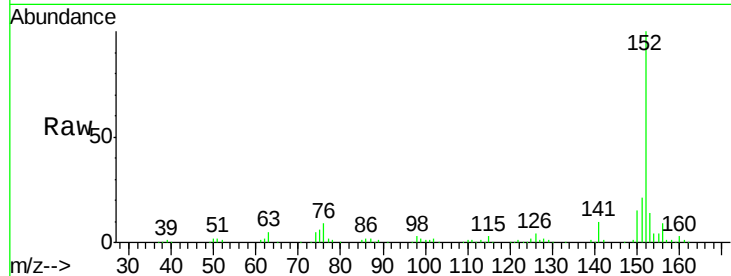
Tot Ion:152 Resp: 120450

Ion Ratio Lower Upper

152 100

151 21.4 16.4 24.6

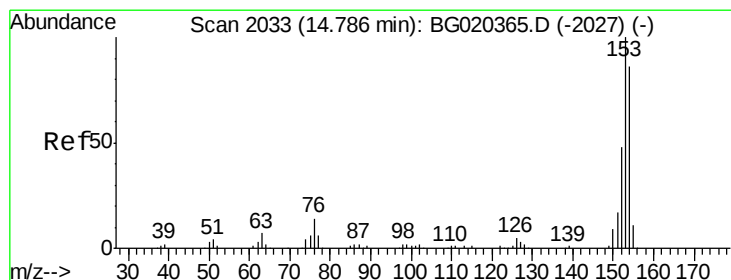
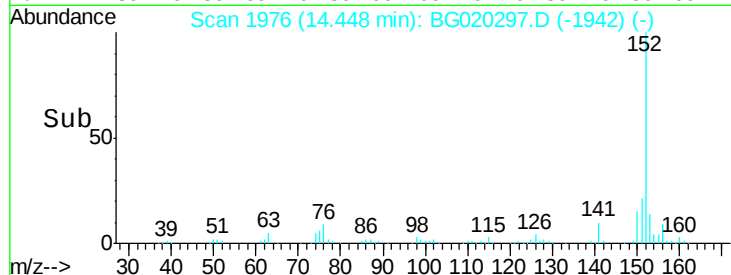
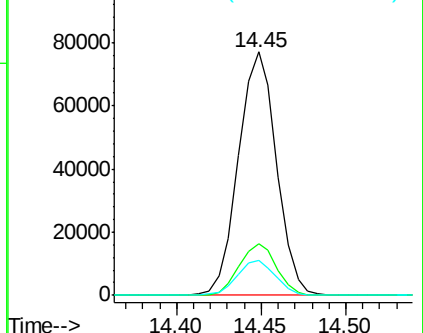
153 14.3 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 236.59 ng/ul

RT: 14.80 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BG020297.D

Acq: 19 Dec 2015 5:30

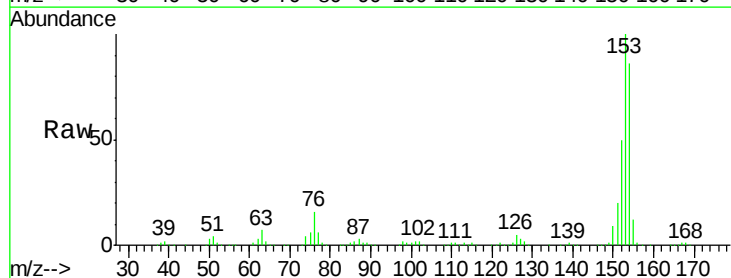
Tgt Ion:153 Resp: 908095

Ion Ratio Lower Upper

153 100

152 50.1 37.6 56.4

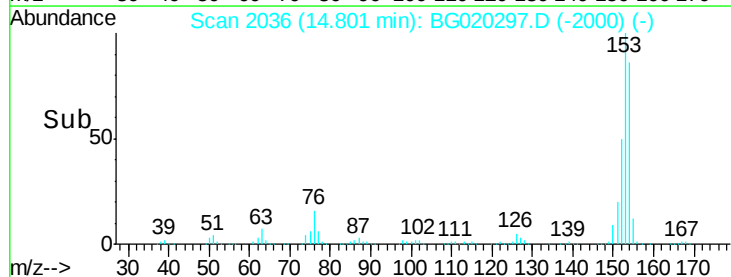
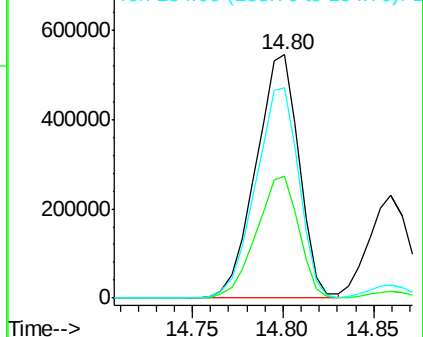
154 86.4 67.9 101.9

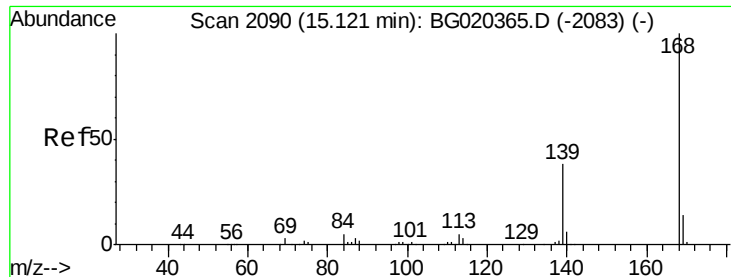


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 112.91 ng/ul

RT: 15.12 min Scan# 2091

Delta R.T. 0.01 min

Lab File: BG020297.D

Acq: 19 Dec 2015 5:30

Instrument :

BNA_G

ClientSampleId :

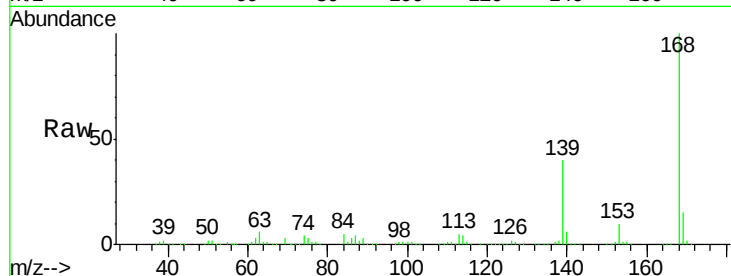
D9N41

Tot Ion:168 Resp: 644702

Ion Ratio Lower Upper

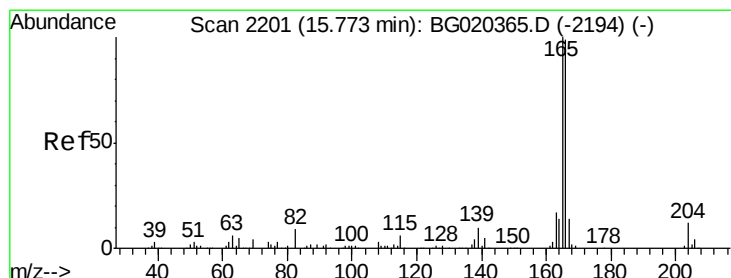
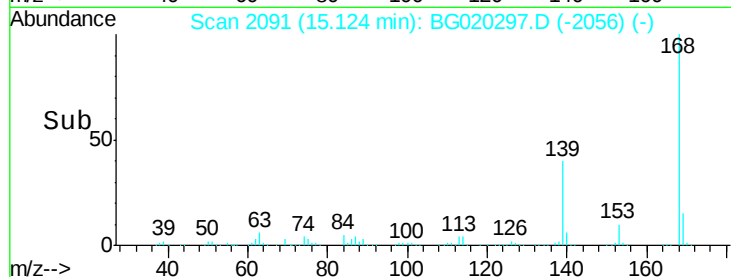
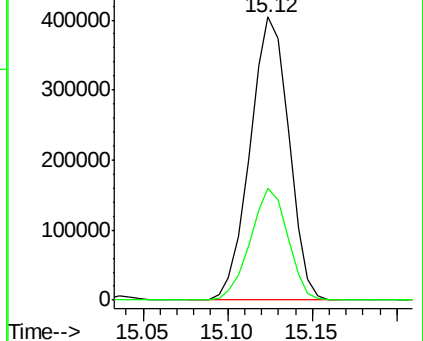
168 100

139 39.6 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 120.00 ng/ul

RT: 15.78 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BG020297.D

Acq: 19 Dec 2015 5:30

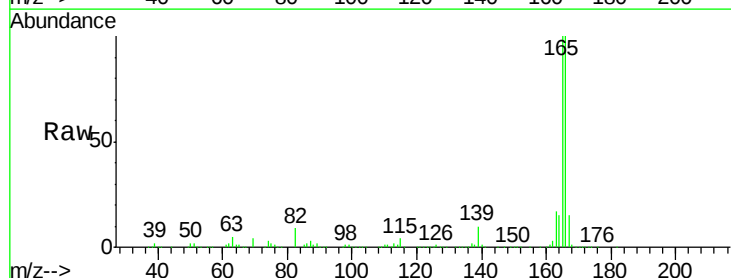
Tgt Ion:166 Resp: 550244

Ion Ratio Lower Upper

166 100

165 99.7 81.4 122.0

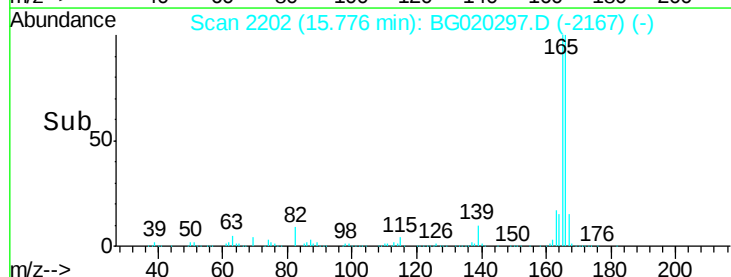
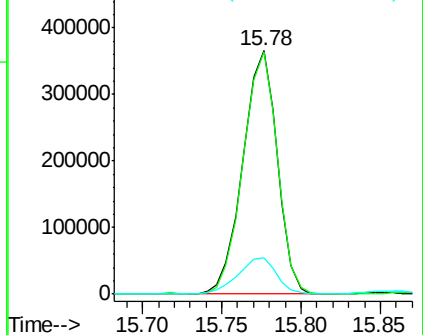
167 14.9 11.2 16.8

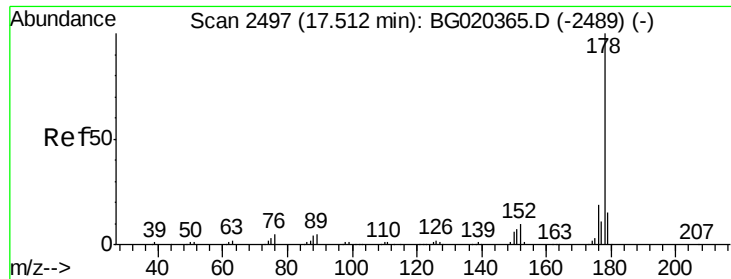


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 164.44 ng/ul

RT: 17.52 min Scan# 2499

Delta R.T. 0.01 min

Lab File: BG020297.D

Acq: 19 Dec 2015 5:30

Instrument :

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ClientSampleId :

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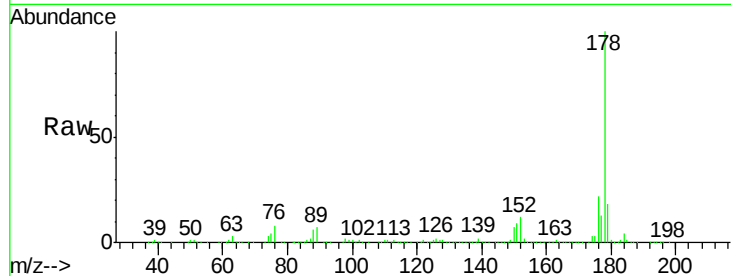
Tot Ion:178 Resp: 1255393

Ion Ratio Lower Upper

178 100

179 18.2 12.9 19.3

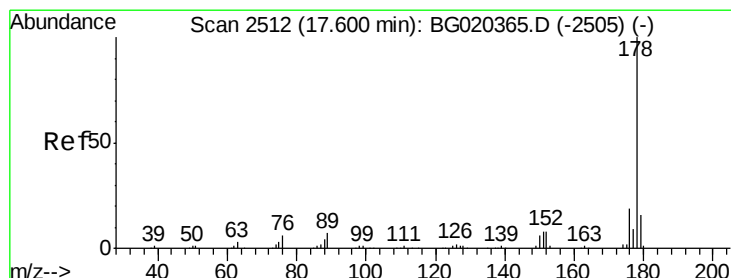
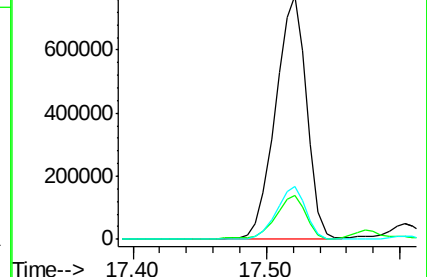
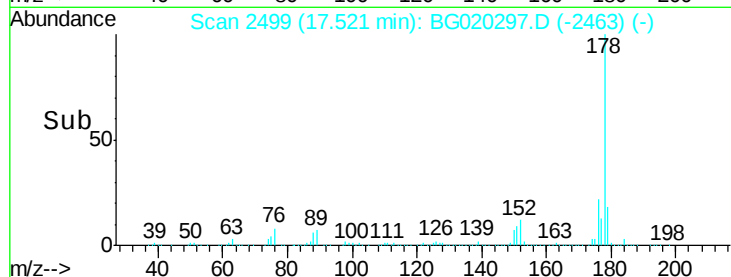
176 21.7 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 10.95 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG020297.D

Acq: 19 Dec 2015 5:30

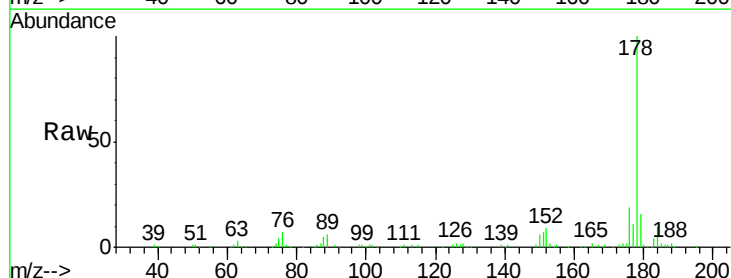
Tgt Ion:178 Resp: 84827

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

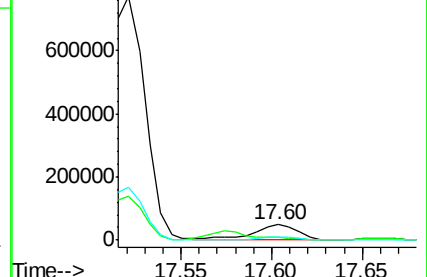
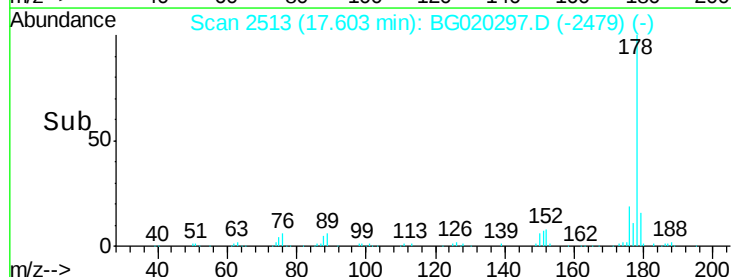
176 19.4 14.3 21.5

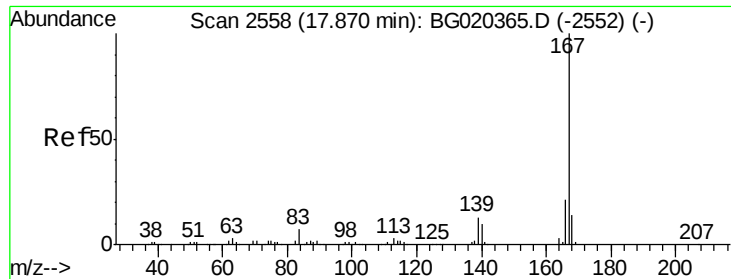


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

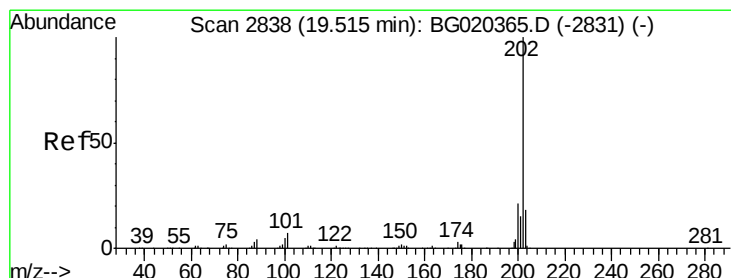
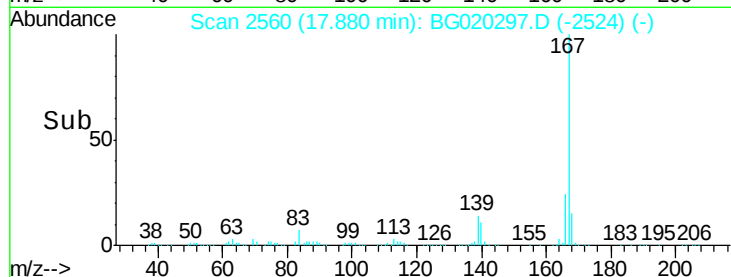
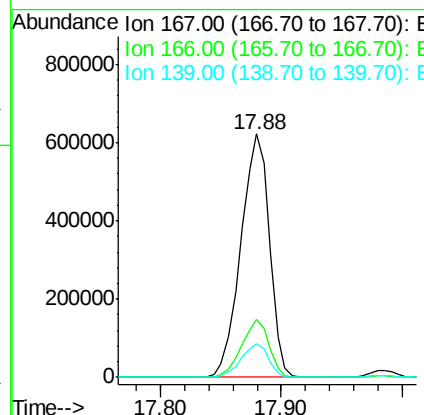
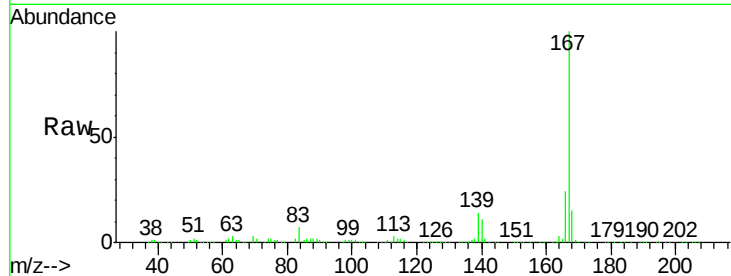




#75
 Carbazole
 Concen: 158.00 ng/ul
 RT: 17.88 min Scan# 2560
 Delta R.T. 0.01 min
 Lab File: BG020297.D
 Acq: 19 Dec 2015 5:30

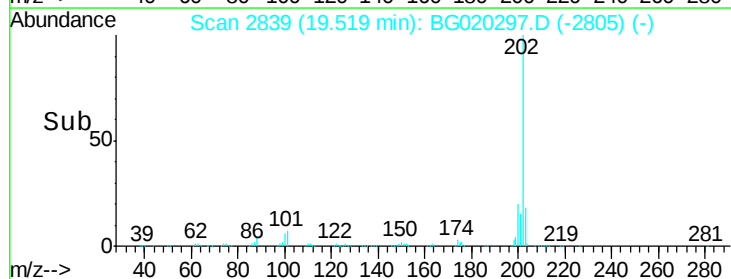
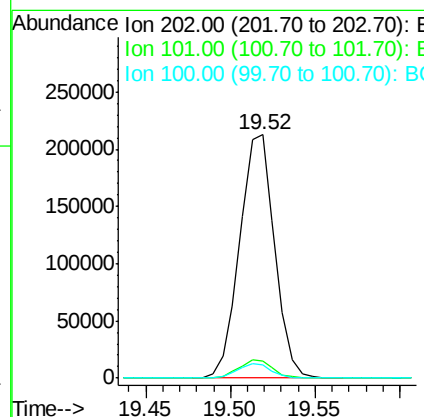
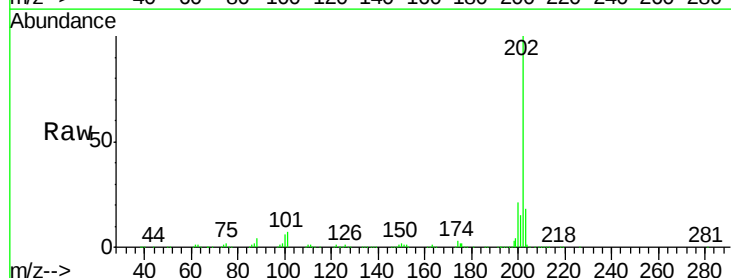
Instrument :
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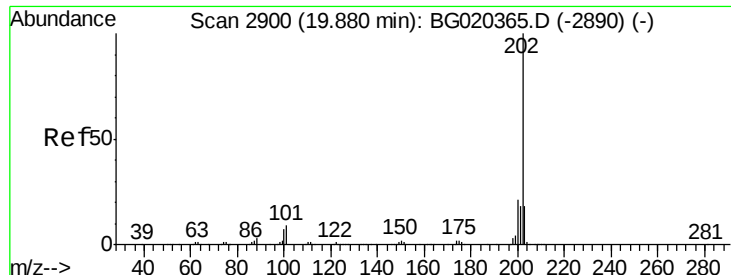
Tot Ion:167 Resp: 1028000
 Ion Ratio Lower Upper
 167 100
 166 23.9 17.0 25.6
 139 14.1 10.1 15.1



#77
 Fluoranthene
 Concen: 34.22 ng/ul
 RT: 19.52 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: BG020297.D
 Acq: 19 Dec 2015 5:30

Tgt Ion:202 Resp: 305360
 Ion Ratio Lower Upper
 202 100
 101 7.0 6.2 9.4
 100 5.6 5.1 7.7

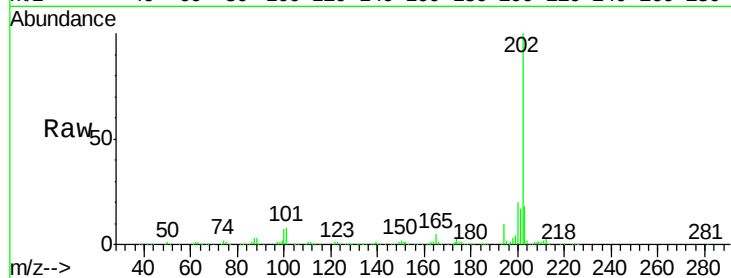




#80
 Pvrene
 Concen: 16.29 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: BG020297.D
 Acq: 19 Dec 2015 5:30

Instrument :
 BNA_G
 ClientSampleId :
 D9N41

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.8	7.0	10.4
100	6.9	6.4	9.6



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

