

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020282.D
 Acq On : 18 Dec 2015 19:34
 Operator : UM/SJ
 Sample : G4768-03MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N27MSD

Quant Time: Dec 29 02:11:32 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 19 00:45:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	16682	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	71869	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	50223	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	130915	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	167434	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	155628	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	341	1.13	ng/uL	0.00
5) Phenol-d5	7.24	99	8522	5.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	23173	26.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	24783	23.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	17491	13.90	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	16023	28.60	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	18550	29.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	32481	25.72	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	3324	2.34	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	133410	32.84	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	146878	31.07	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	4846	6.65	ng/ul	0.00
58) Fluorene-d10	15.71	176	119446	32.42	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	21990	28.33	ng/ul	0.00
71) Anthracene-d10	17.57	188	199762	33.12	ng/ul	0.00
79) Pyrene-d10	19.85	212	242031	31.01	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	222172	28.62	ng/ul	0.00

Target Compounds

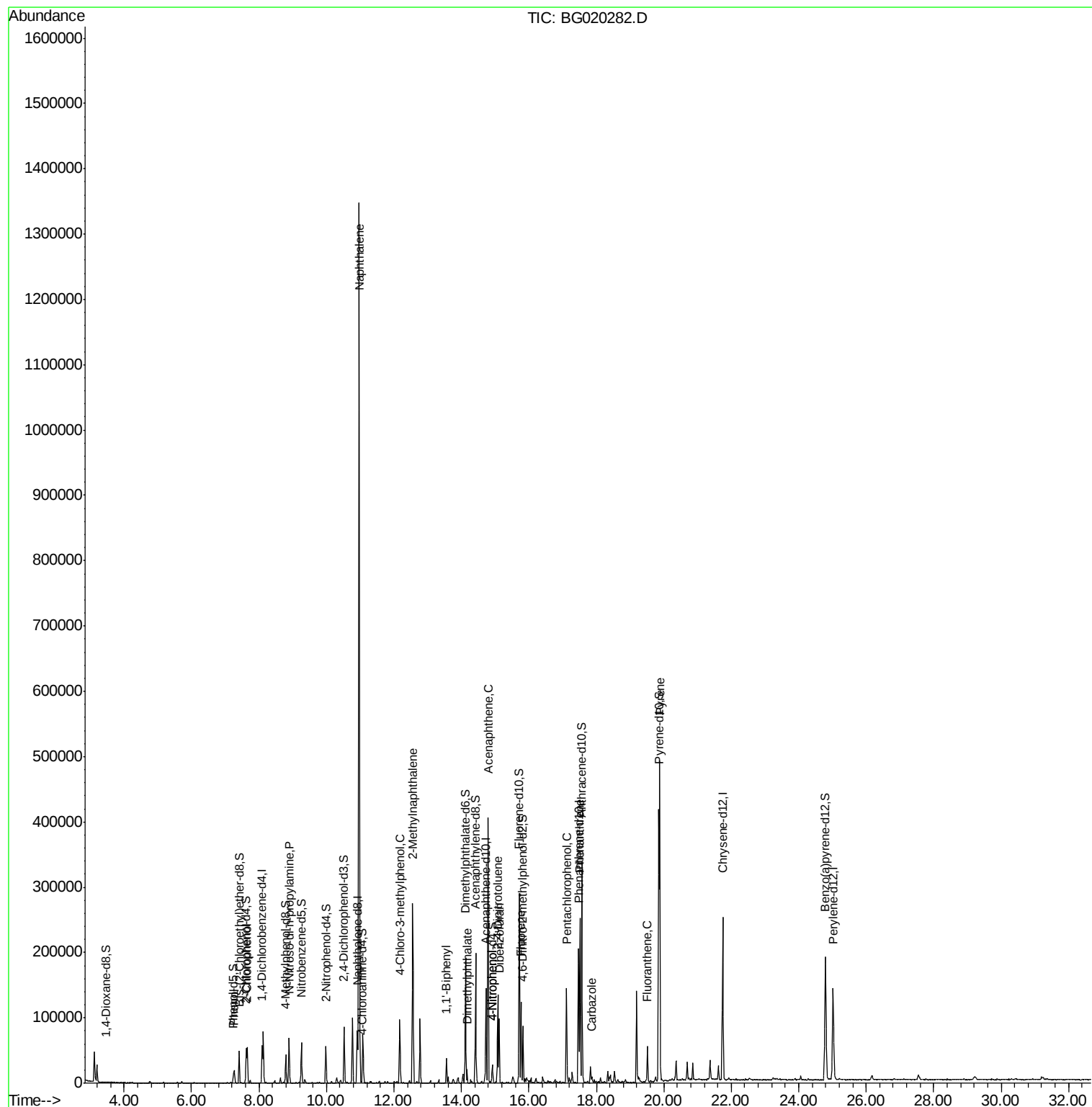
						Qvalue
6) Phenol	7.27	94	11199	7.11	ng/ul	97
10) 2-Chlorophenol	7.65	128	25766	23.00	ng/ul	95
15) N-Nitroso-di-n-propylamine	8.89	70	26432	25.35	ng/ul	96
28) Naphthalene	10.97	128	1151375	306.78	ng/ul	96
33) 4-Chloro-3-methylphenol	12.18	107	36422	23.63	ng/ul	93
34) 2-Methylnaphthalene	12.56	142	133778	46.66	ng/ul	97
41) 1,1'-Biphenyl	13.56	154	20584	5.43	ng/ul	92
45) Dimethylphthalate	14.17	163	14017	3.38	ng/ul	97
50) Acenaphthene	14.79	153	173676	51.41	ng/ul	99
53) 4-Nitrophenol	14.93	109	4535	6.47	ng/ul	90
54) Dibenzofuran	15.12	168	67377	13.41	ng/ul	98
55) 2,4-Dinitrotoluene	15.08	165	38883	30.87	ng/ul#	97
59) Fluorene	15.77	166	56895	14.10	ng/ul	98
69) Pentachlorophenol	17.12	266	29491	29.64	ng/ul	95
70) Phenanthrene	17.51	178	159463	22.27	ng/ul	99
75) Carbazole	17.87	167	6557	1.07	ng/ul	98
77) Fluoranthene	19.51	202	36388	4.35	ng/ul	99
80) Pyrene	19.88	202	321073	31.68	ng/ul	100

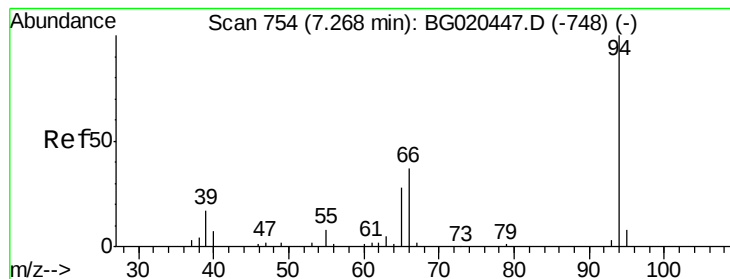
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 7.11 ng/ul

RT: 7.27 min Scan# 754

Delta R.T. -0.00 min

Lab File: BG020282.D

Acq: 18 Dec 2015 19:34

Instrument :

BNA_G

ClientSampleId :

D9N27MSD

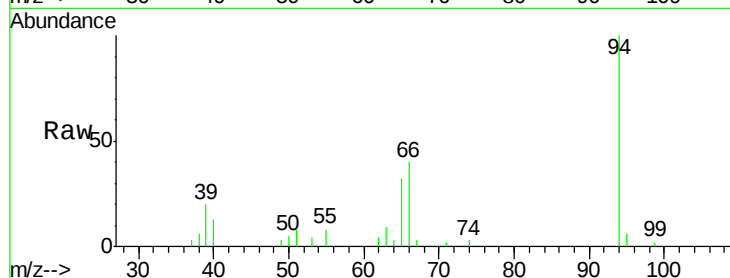
Tgt Ion: 94 Resp: 11199

Ion Ratio Lower Upper

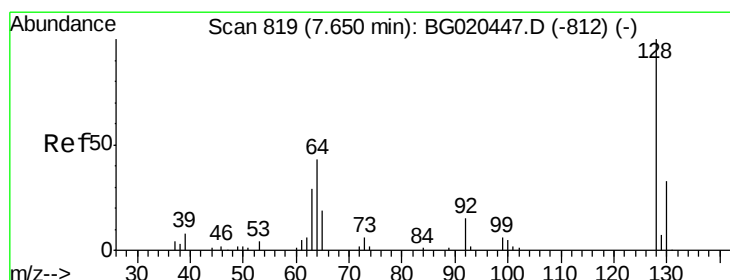
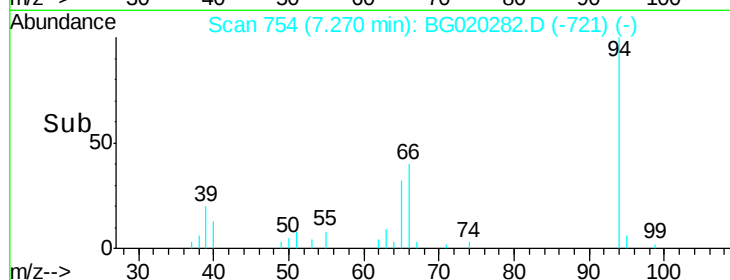
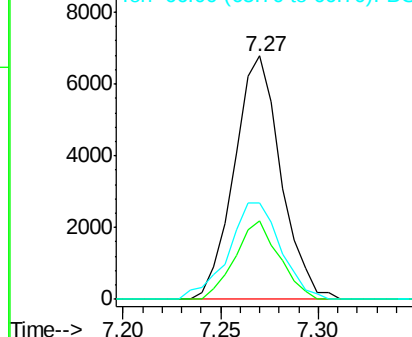
94 100

65 32.0 26.3 39.5

66 39.5 33.3 49.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#10

2-Chlorophenol

Concen: 23.00 ng/ul

RT: 7.65 min Scan# 819

Delta R.T. -0.00 min

Lab File: BG020282.D

Acq: 18 Dec 2015 19:34

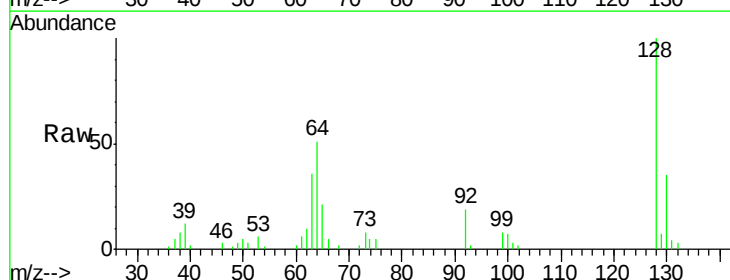
Tgt Ion: 128 Resp: 25766

Ion Ratio Lower Upper

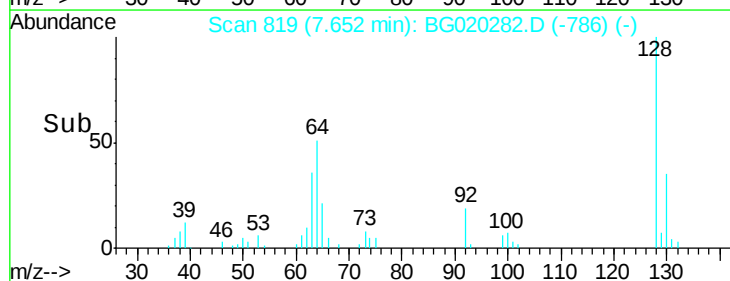
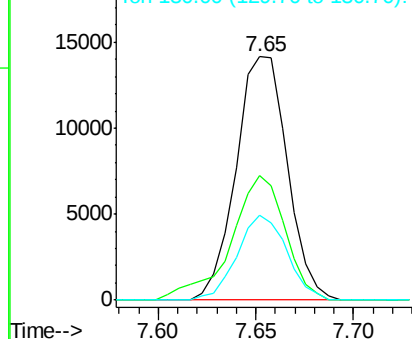
128 100

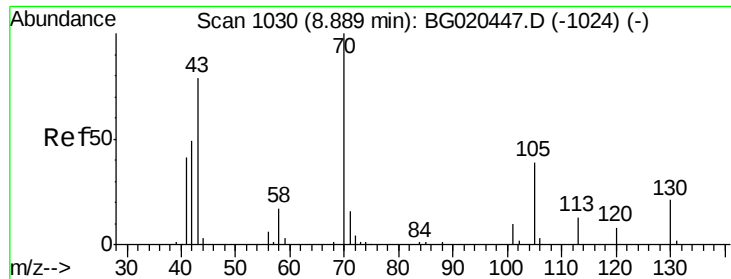
64 51.3 39.4 59.0

130 35.0 24.6 36.8



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 130.00 (129.70 to 130.70): E

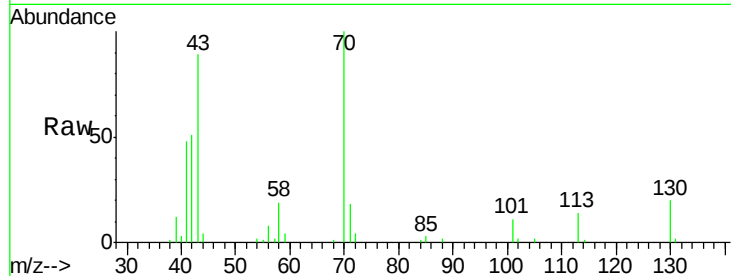




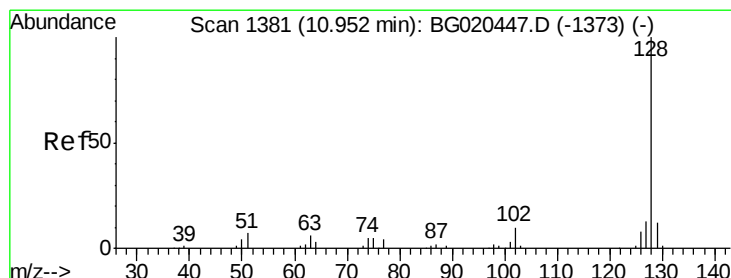
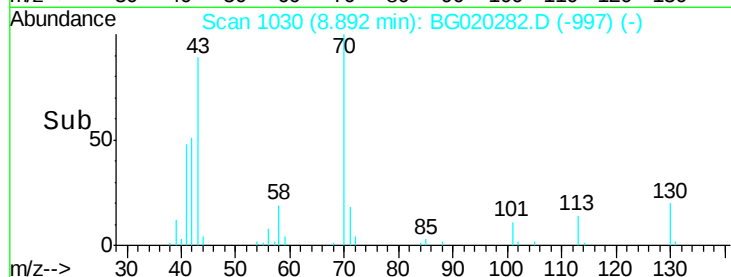
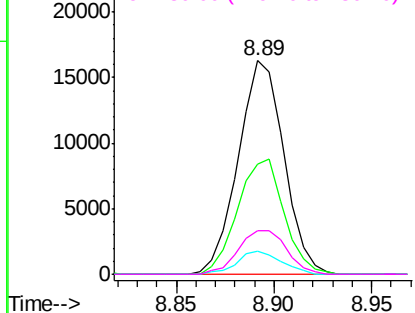
#15
N-Nitroso-di-n-propylamine
Concen: 25.35 ng/ul
RT: 8.89 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG020282.D
Acq: 18 Dec 2015 19:34

Instrument :
BNA_G
ClientSampleId :
D9N27MSD

Tgt Ion: 70 Resp: 26432
Ion Ratio Lower Upper
70 100
42 51.3 44.3 66.5
101 10.6 7.6 11.4
130 20.4 17.0 25.4

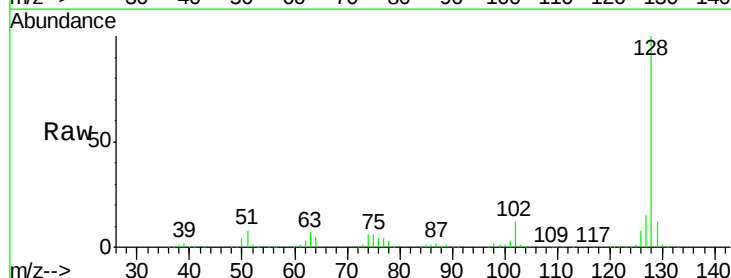


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

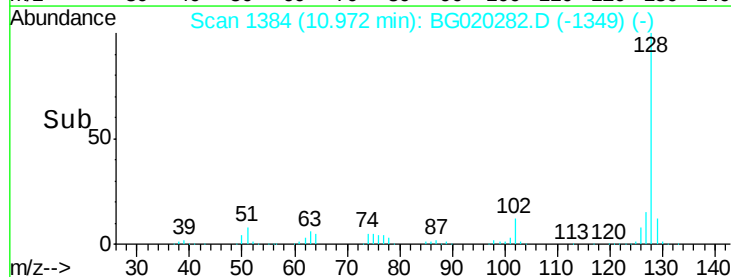
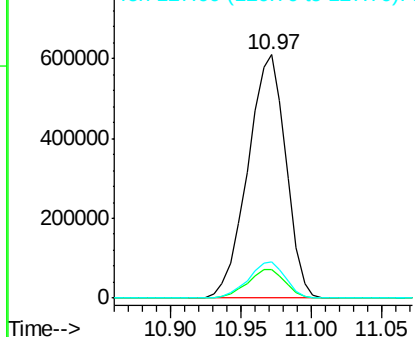


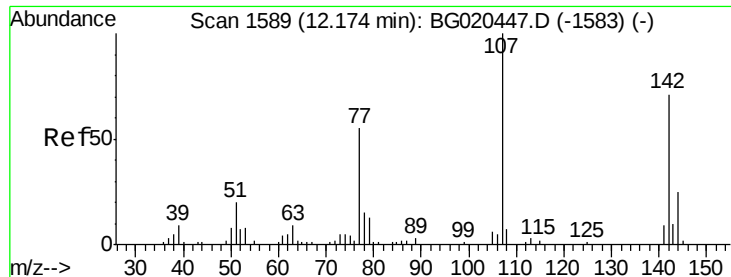
#28
Naphthalene
Concen: 306.78 ng/ul
RT: 10.97 min Scan# 1384
Delta R.T. 0.01 min
Lab File: BG020282.D
Acq: 18 Dec 2015 19:34

Tgt Ion: 128 Resp: 1151375
Ion Ratio Lower Upper
128 100
129 11.9 8.6 12.8
127 14.7 10.1 15.1



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

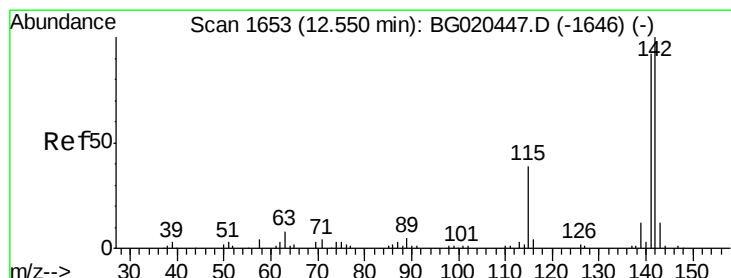
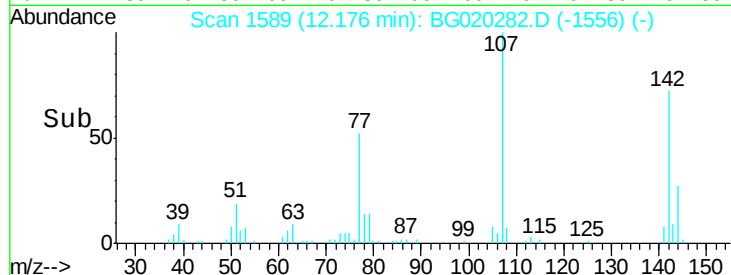
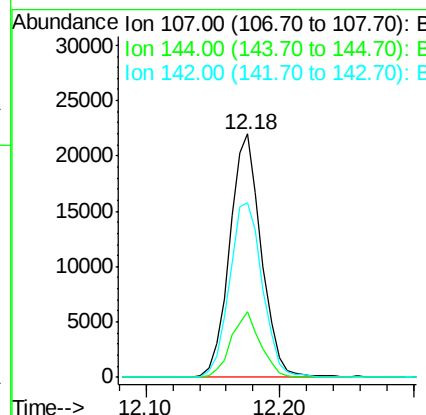
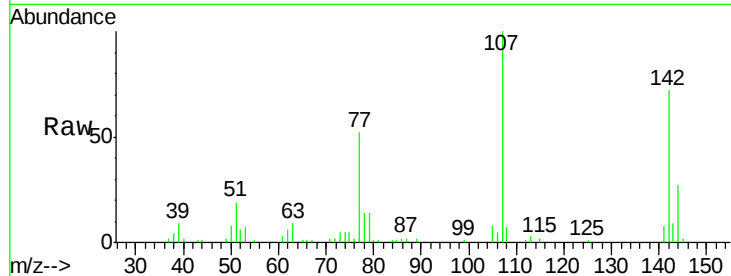




#33
 4-Chloro-3-methylphenol
 Concen: 23.63 ng/ul
 RT: 12.18 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: BG020282.D
 Acq: 18 Dec 2015 19:34

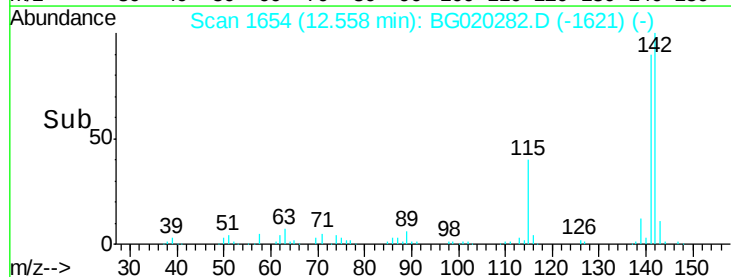
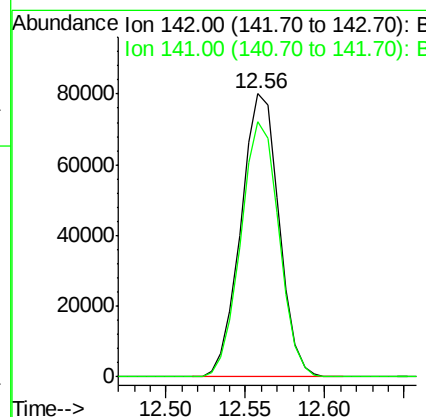
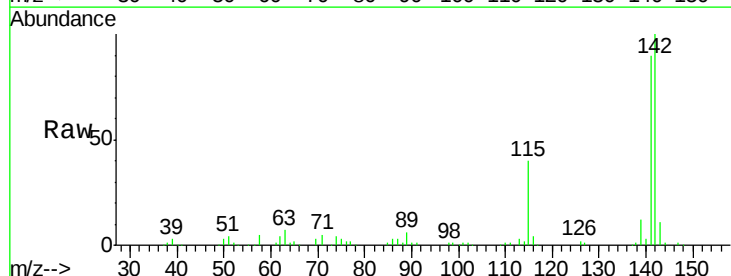
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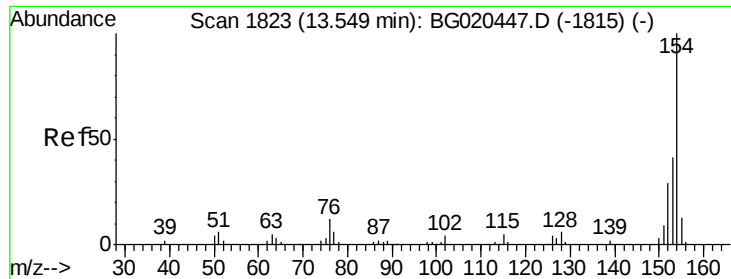
Tgt Ion:107 Resp: 36422
 Ion Ratio Lower Upper
 107 100
 144 27.1 18.7 28.1
 142 71.9 52.8 79.2



#34
 2-Methylnaphthalene
 Concen: 46.66 ng/ul
 RT: 12.56 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BG020282.D
 Acq: 18 Dec 2015 19:34

Tgt Ion:142 Resp: 133778
 Ion Ratio Lower Upper
 142 100
 141 90.3 74.9 112.3

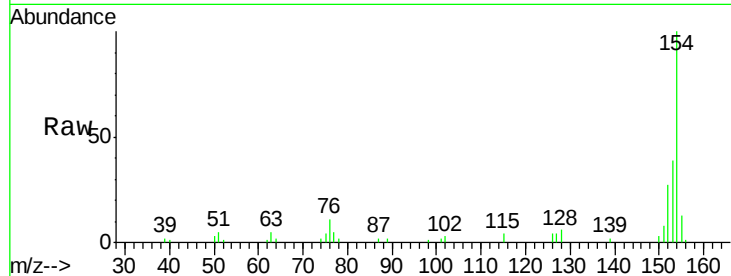




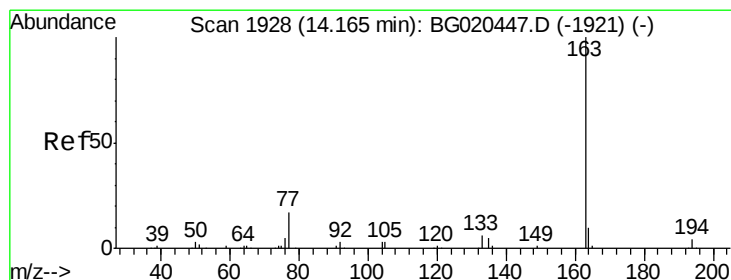
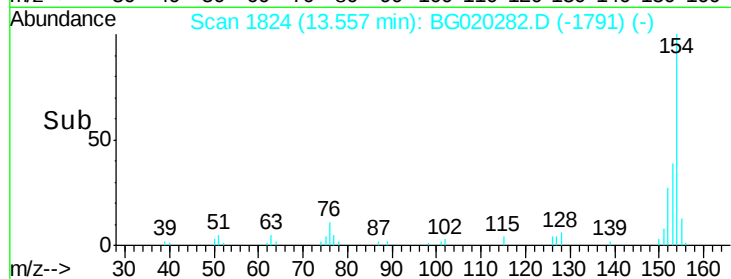
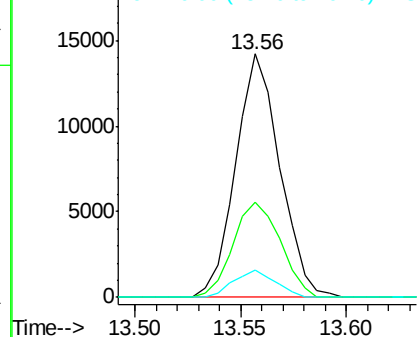
#41
 1,1'-Biphenyl
 Concen: 5.43 ng/ul
 RT: 13.56 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG020282.D
 Acq: 18 Dec 2015 19:34

Instrument :
 BNA_G
 ClientSampleId :
 D9N27MSD

Tgt Ion:154 Resp: 20584
 Ion Ratio Lower Upper
 154 100
 153 39.0 35.5 53.3
 76 11.0 10.4 15.6

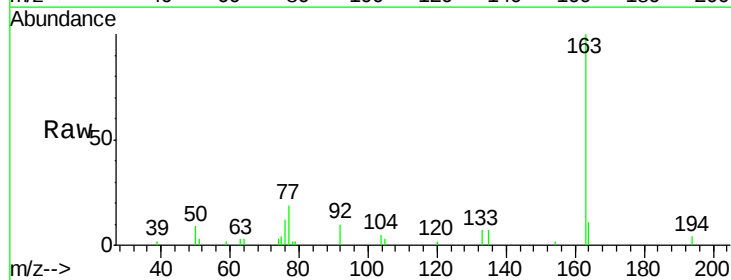


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

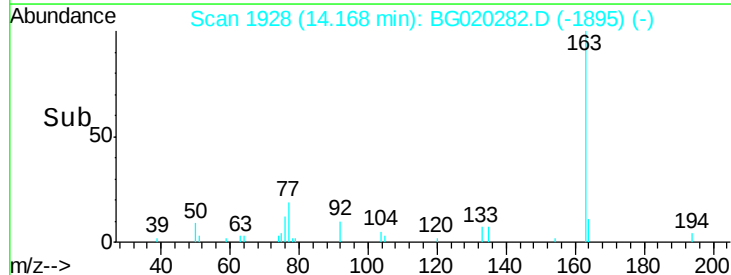
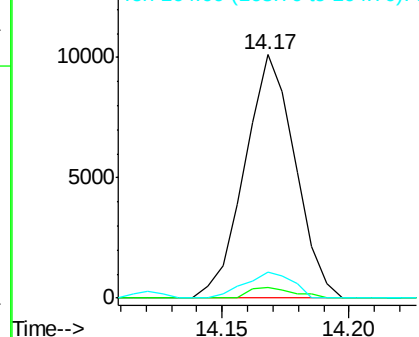


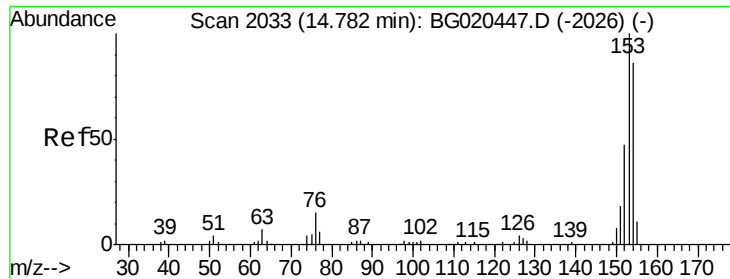
#45
 Dimethylphthalate
 Concen: 3.38 ng/ul
 RT: 14.17 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: BG020282.D
 Acq: 18 Dec 2015 19:34

Tgt Ion:163 Resp: 14017
 Ion Ratio Lower Upper
 163 100
 194 4.5 3.5 5.3
 164 10.9 7.7 11.5



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 51.41 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BG020282.D

Acq: 18 Dec 2015 19:34

Instrument :

BNA_G

ClientSampleId :

D9N27MSD

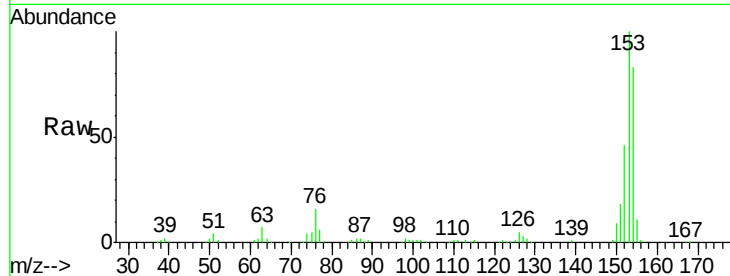
Tgt Ion:153 Resp: 173676

Ion Ratio Lower Upper

153 100

152 46.3 37.6 56.4

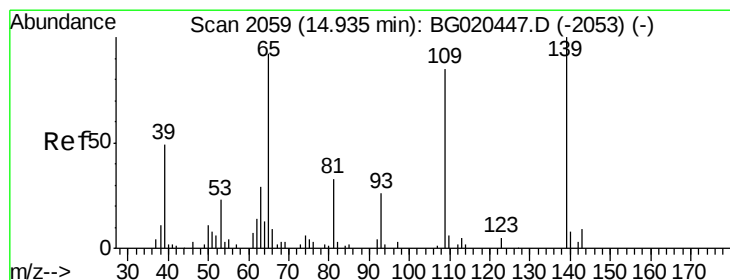
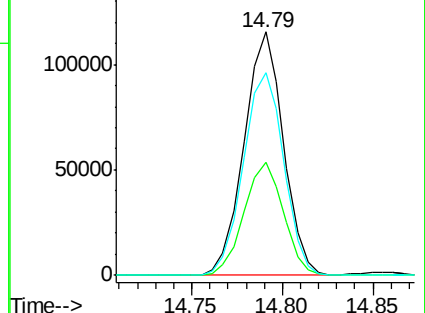
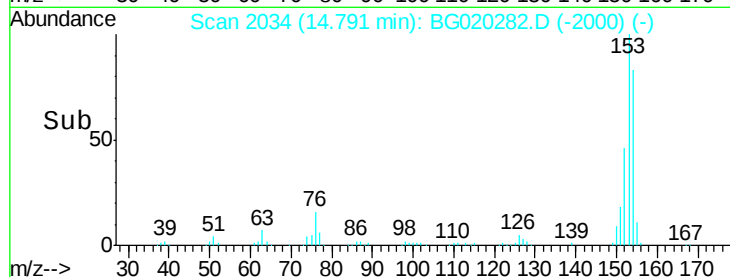
154 83.4 67.9 101.9



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



#53

4-Nitrophenol

Concen: 6.47 ng/ul

RT: 14.93 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BG020282.D

Acq: 18 Dec 2015 19:34

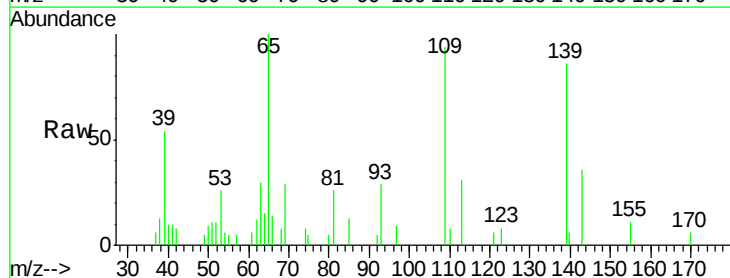
Tgt Ion:109 Resp: 4535

Ion Ratio Lower Upper

109 100

139 91.0 80.5 120.7

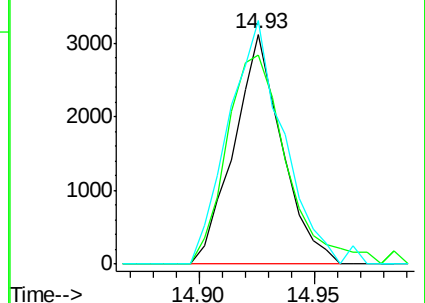
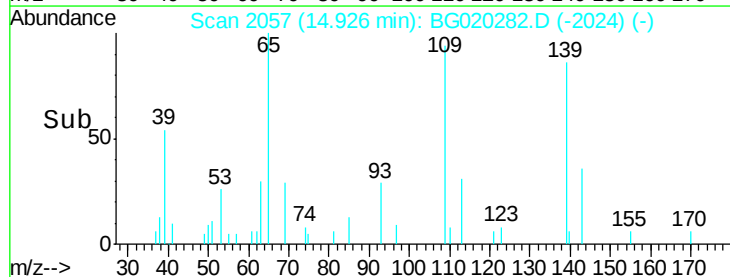
65 105.8 93.4 140.2

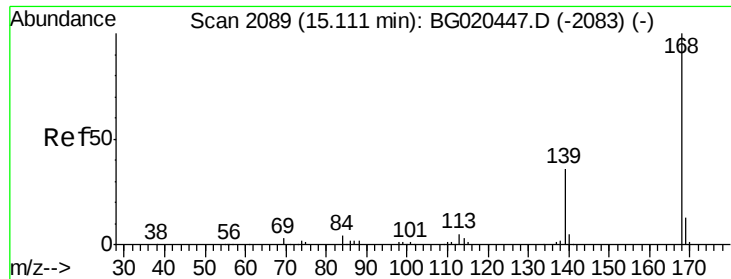


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BG

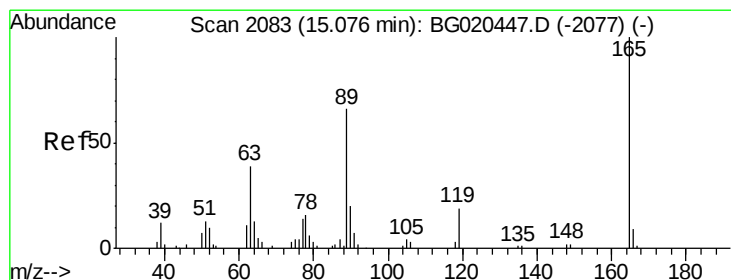
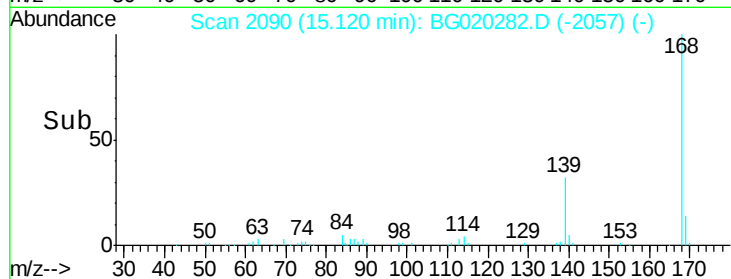
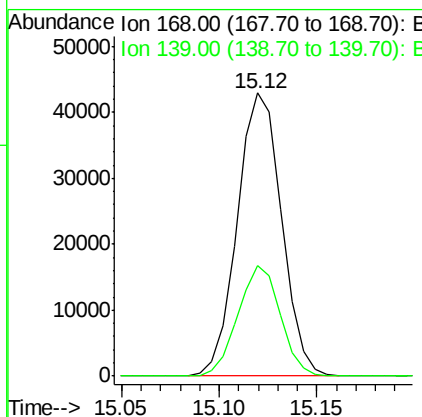
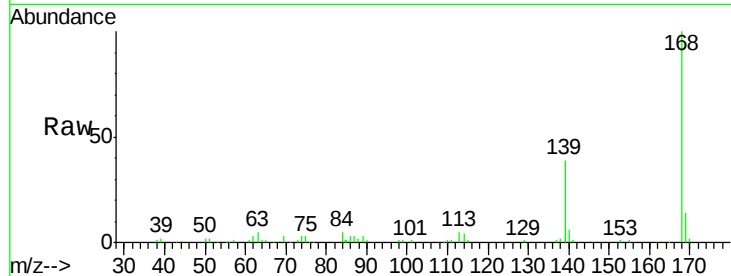




#54
Dibenzenofuran
Concen: 13.41 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. -0.00 min
Lab File: BG020282.D
Acq: 18 Dec 2015 19:34

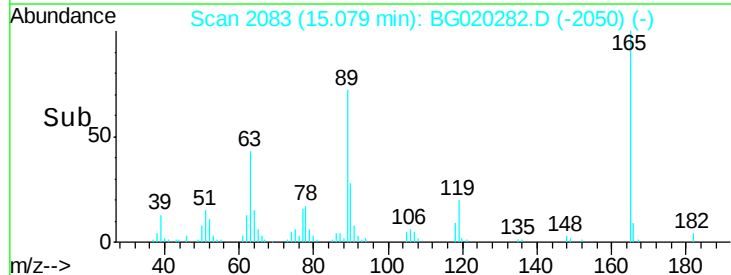
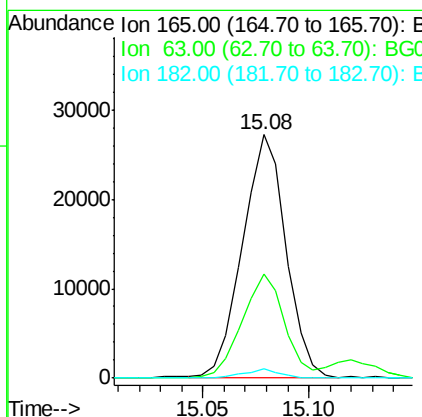
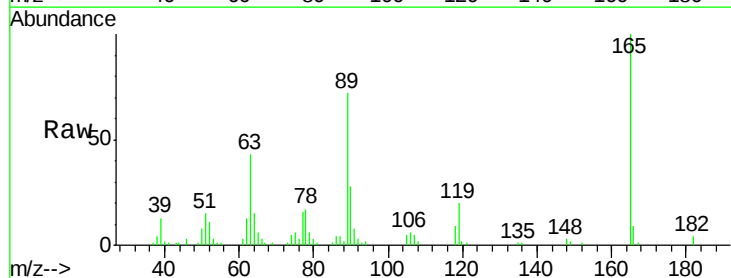
Instrument :
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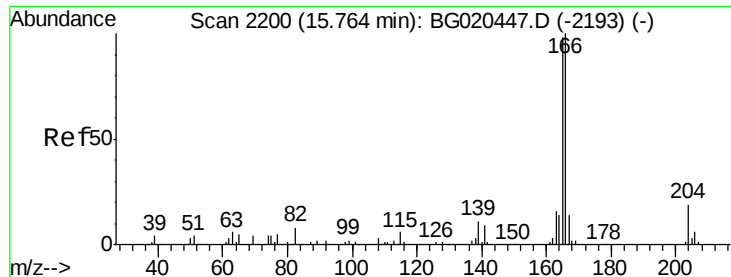
Tgt Ion:168 Resp: 67377
Ion Ratio Lower Upper
168 100
139 39.1 30.5 45.7



#55
2,4-Dinitrotoluene
Concen: 30.87 ng/ul
RT: 15.08 min Scan# 2083
Delta R.T. -0.00 min
Lab File: BG020282.D
Acq: 18 Dec 2015 19:34

Tgt Ion:165 Resp: 38883
Ion Ratio Lower Upper
165 100
63 42.6 35.8 53.8
182 3.6 2.2 3.2#





#59

Fluorene

Concen: 14.10 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BG020282.D

Acq: 18 Dec 2015 19:34

Instrument :

BNA_G

ClientSampleId :

D9N27MSD

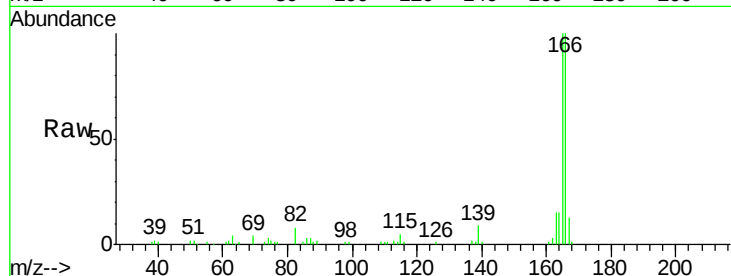
Tgt Ion:166 Resp: 56895

Ion Ratio Lower Upper

166 100

165 99.7 81.4 122.0

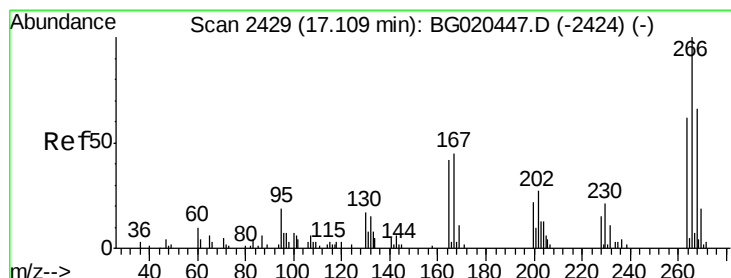
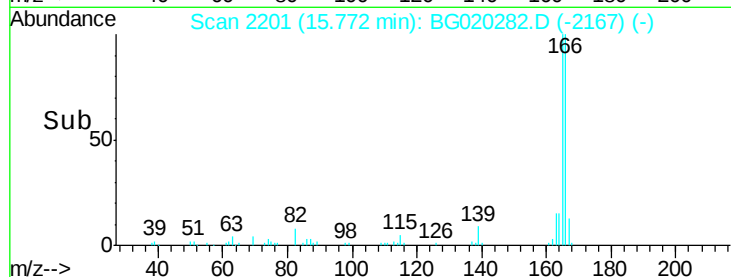
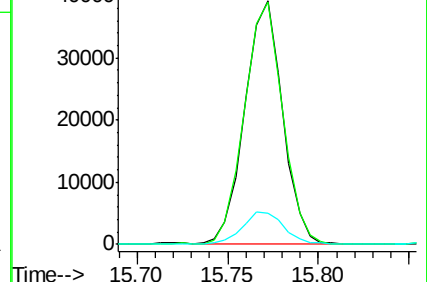
167 12.8 11.2 16.8



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



#69

Pentachlorophenol

Concen: 29.64 ng/ul

RT: 17.12 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BG020282.D

Acq: 18 Dec 2015 19:34

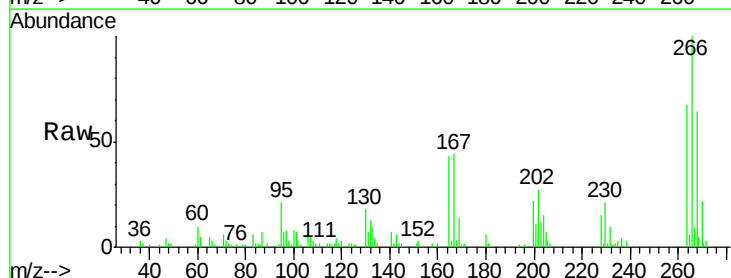
Tgt Ion:266 Resp: 29491

Ion Ratio Lower Upper

266 100

264 66.9 52.2 78.2

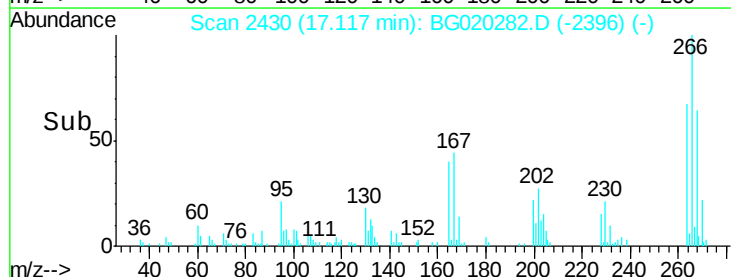
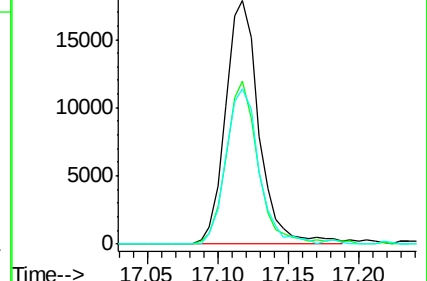
268 68.2 49.3 73.9

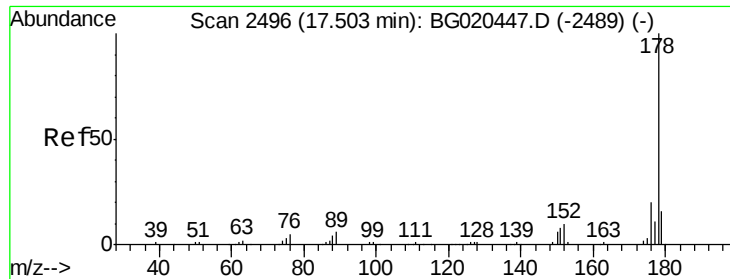


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 22.27 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. 0.00 min

Lab File: BG020282.D

Acq: 18 Dec 2015 19:34

Instrument :

BNA_G

ClientSampleId :

D9N27MSD

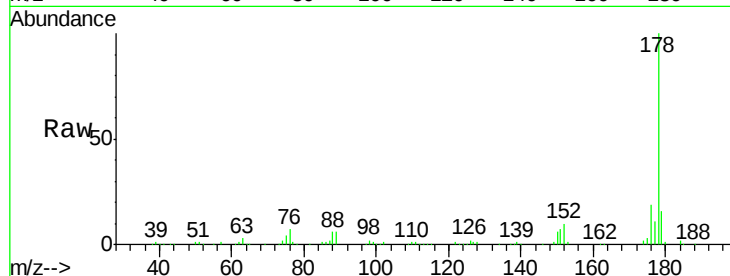
Tgt Ion:178 Resp: 159463

Ion Ratio Lower Upper

178 100

179 15.7 12.9 19.3

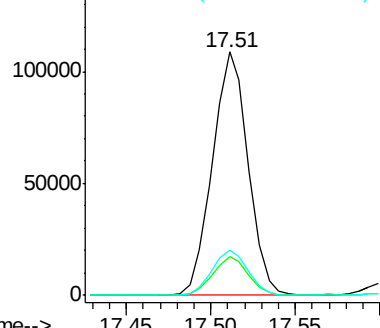
176 18.7 15.3 22.9



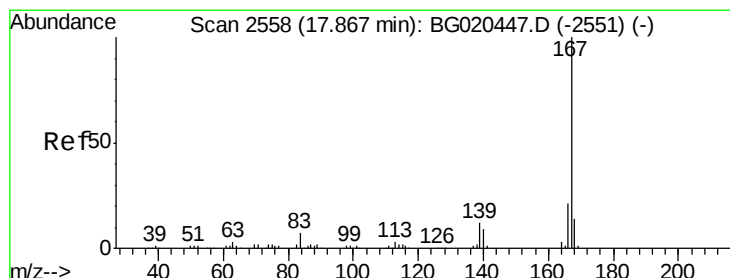
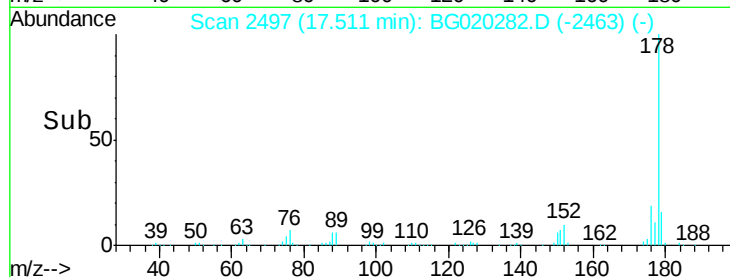
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#75

Carbazole

Concen: 1.07 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020282.D

Acq: 18 Dec 2015 19:34

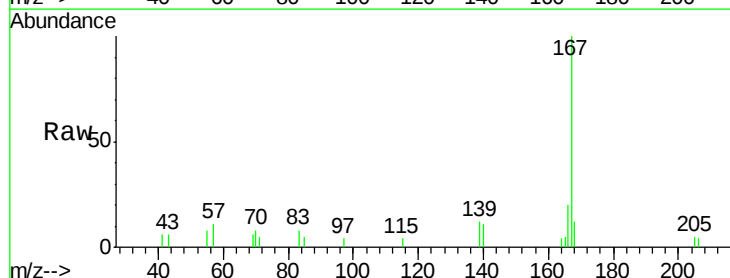
Tgt Ion:167 Resp: 6557

Ion Ratio Lower Upper

167 100

166 20.3 17.0 25.6

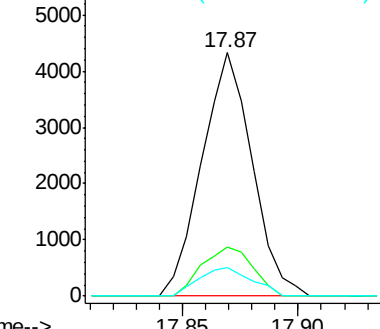
139 11.7 10.1 15.1



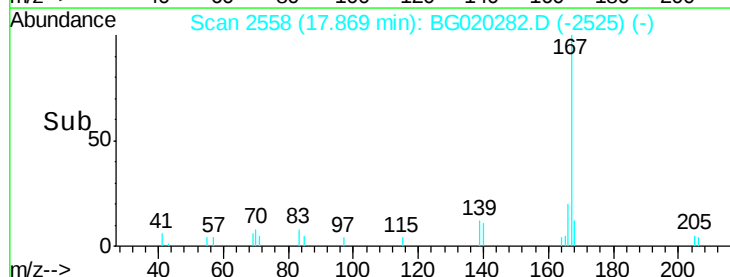
Abundance Ion 167.00 (166.70 to 167.70): E

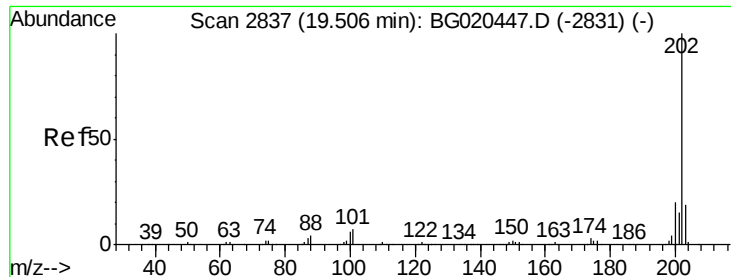
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->

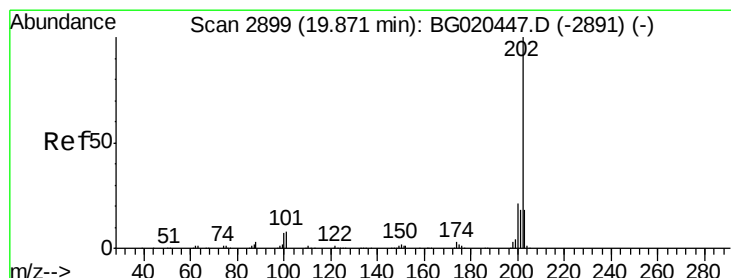
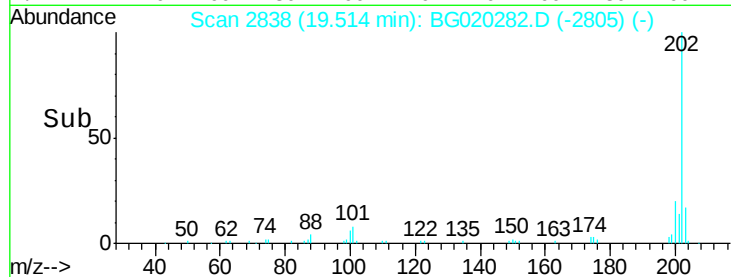
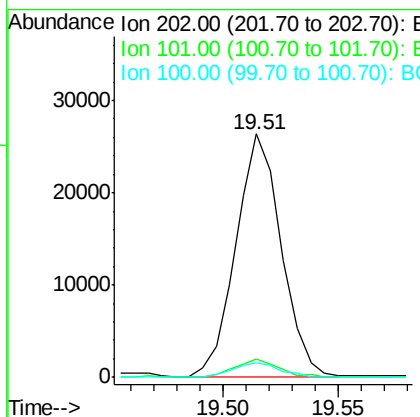
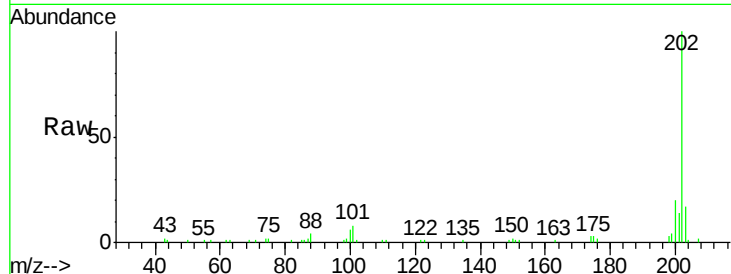




#77
Fluoranthene
 Concen: 4.35 ng/ul
 RT: 19.51 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: BG020282.D
 Acq: 18 Dec 2015 19:34

Instrument :
 BNA_G
 ClientSampleId :
 D9N27MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.2	9.4
100	6.0	5.1	7.7



#80
Pyrene
 Concen: 31.68 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG020282.D
 Acq: 18 Dec 2015 19:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	7.0	10.4
100	7.7	6.4	9.6

