

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020279.D
 Acq On : 18 Dec 2015 17:37
 Operator : UM/SJ
 Sample : G4767-19DL2 30X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N41DL2

Quant Time: Dec 19 00:48:32 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	17086	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	73632	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	52440	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	132571	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	175231	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	160877	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.24	99	1472	0.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	862	0.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	1139	1.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	1309	1.02	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	613	1.07	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	539	0.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	1268	0.98	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	1665	1.15	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	5480	1.29	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	5787	1.17	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	380	0.50	ng/ul	0.00
58) Fluorene-d10	15.71	176	5234	1.36	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	184	0.23	ng/ul	0.00
71) Anthracene-d10	17.47	188	132571	21.70	ng/ul	-0.10
79) Pyrene-d10	19.85	212	9322	1.14	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	11175	1.39	ng/ul	-0.01

Target Compounds

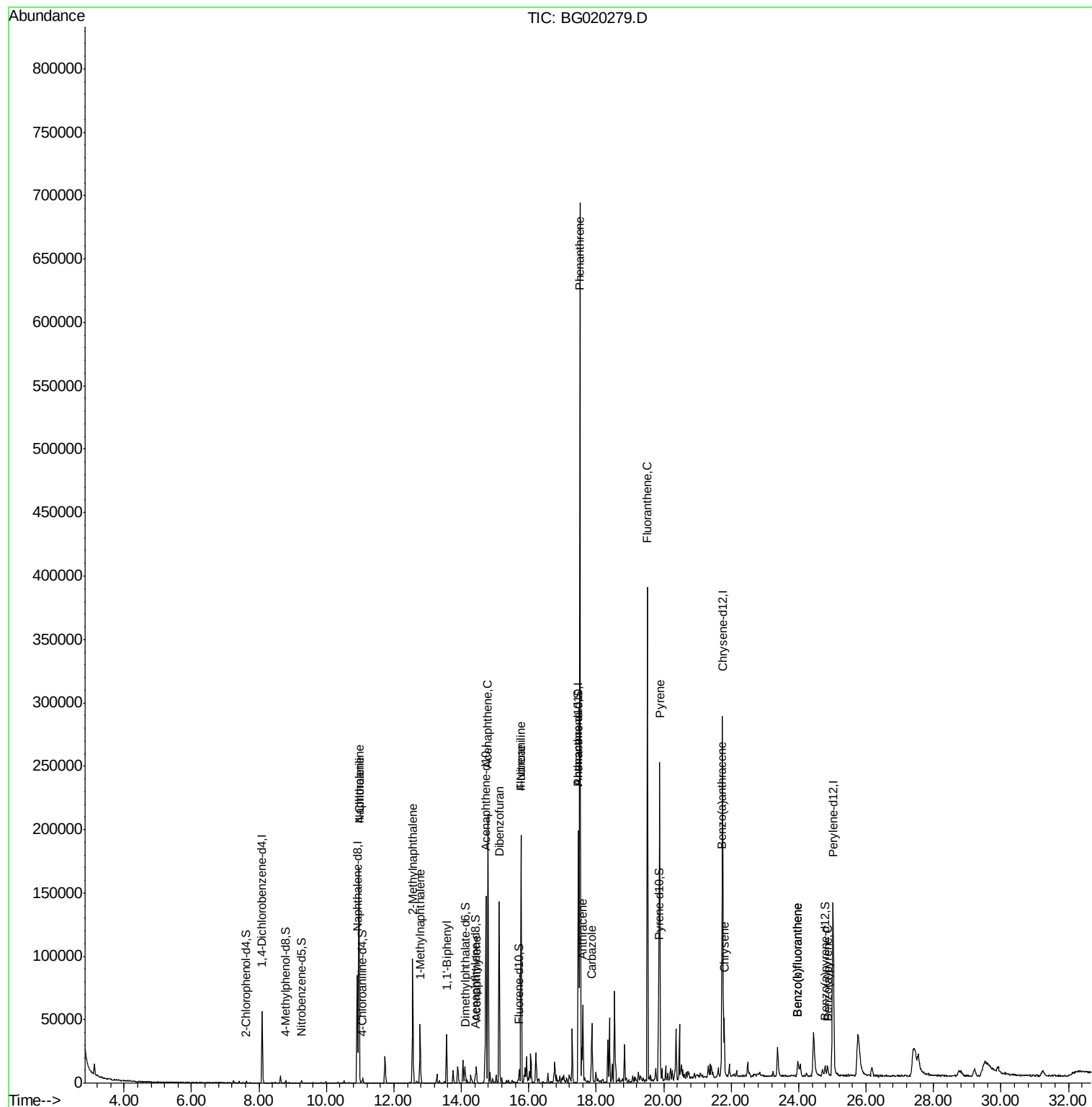
						Qvalue
28) Naphthalene	10.96	128	147770	38.43	ng/ul	99
30) 4-Chloroaniline	10.96	127	19885	13.40	ng/ul#	10
34) 2-Methylnaphthalene	12.56	142	47260	16.09	ng/ul	96
35) 1-Methylnaphthalene	12.78	142	23033	8.16	ng/ul	100
41) 1,1'-Biphenyl	13.56	154	20822	5.26	ng/ul	94
48) Acenaphthylene	14.45	152	6702	1.28	ng/ul	93
50) Acenaphthene	14.79	153	90478	25.65	ng/ul	98
54) Dibenzofuran	15.12	168	98385	18.75	ng/ul	99
59) Fluorene	15.77	166	91117	21.62	ng/ul	98
61) 4-Nitroaniline	15.77	138	1031	1.10	ng/ul#	10
70) Phenanthrene	17.52	178	445185	61.39	ng/ul	99
72) Anthracene	17.60	178	41405	5.63	ng/ul	99
75) Carbazole	17.87	167	31436	5.09	ng/ul	99
77) Fluoranthene	19.52	202	258937	30.55	ng/ul	98
80) Pyrene	19.88	202	174294	16.43	ng/ul	98
83) Benzo(a)anthracene	21.72	228	41263	4.04	ng/ul	98
85) Chrysene	21.79	228	35566	3.69	ng/ul	95
88) Benzo(b)fluoranthene	23.97	252	15947	1.65	ng/ul	100
89) Benzo(k)fluoranthene	23.97	252	15947	1.72	ng/ul	97
91) Benzo(a)pyrene	24.86	252	11082	1.21	ng/ul#	92

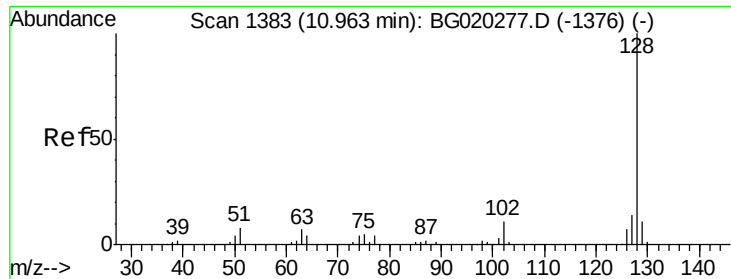
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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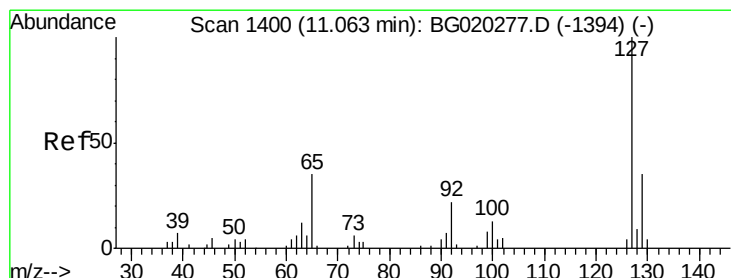
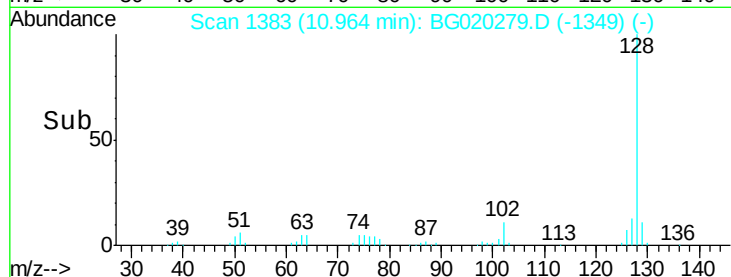
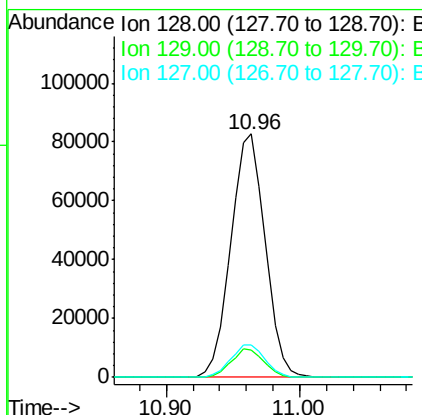
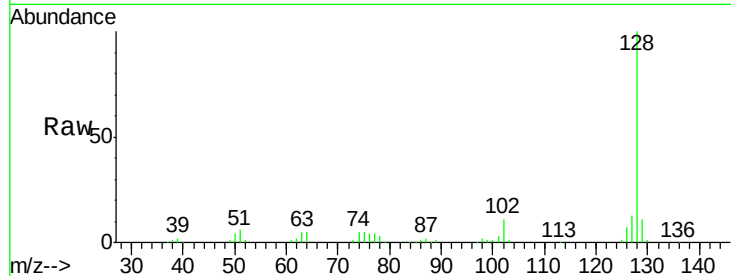




#28
Naphthalene
Concen: 38.43 ng/ul
RT: 10.96 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BG020279.D
Acq: 18 Dec 2015 17:37

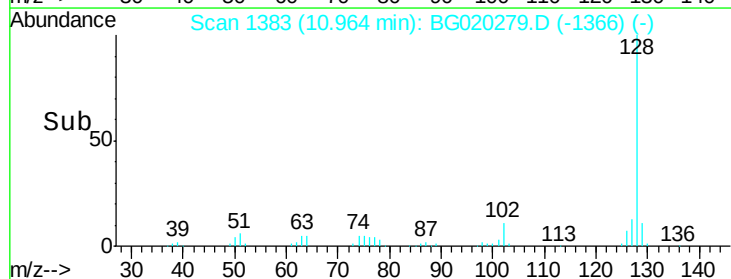
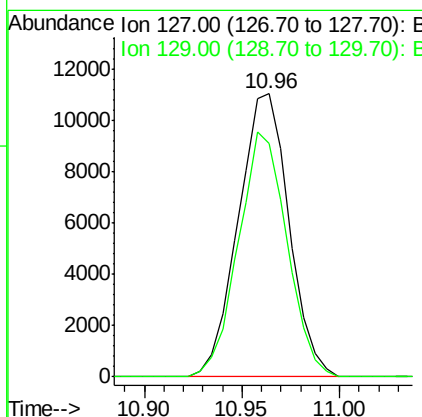
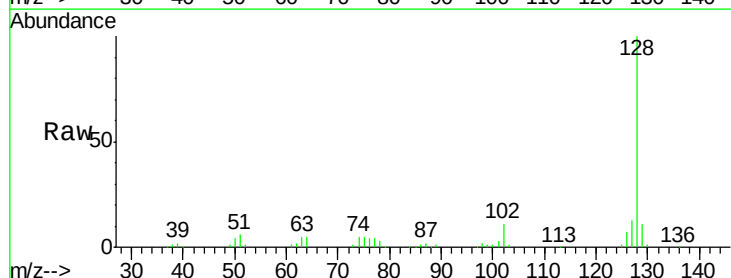
Instrument :
BNA_G
ClientSampleId :
D9N41DL2

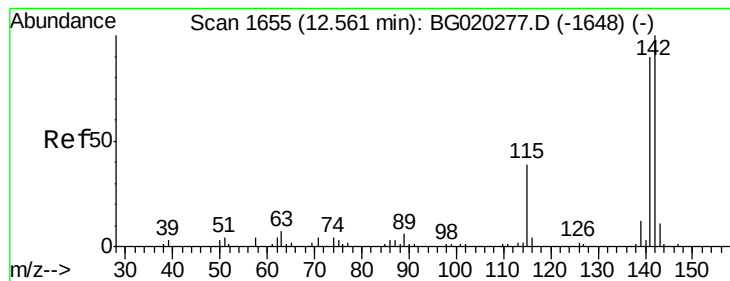
Tgt Ion:128 Resp: 147770
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 13.4 10.1 15.1



#30
4-Chloroaniline
Concen: 13.40 ng/ul
RT: 10.96 min Scan# 1383
Delta R.T. -0.10 min
Lab File: BG020279.D
Acq: 18 Dec 2015 17:37

Tgt Ion:127 Resp: 19885
Ion Ratio Lower Upper
127 100
129 82.3 25.7 38.5#





#34

2-Methylnaphthalene

Concen: 16.09 ng/ul

RT: 12.56 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BG020279.D

Acq: 18 Dec 2015 17:37

Instrument :

BNA_G

ClientSampleId :

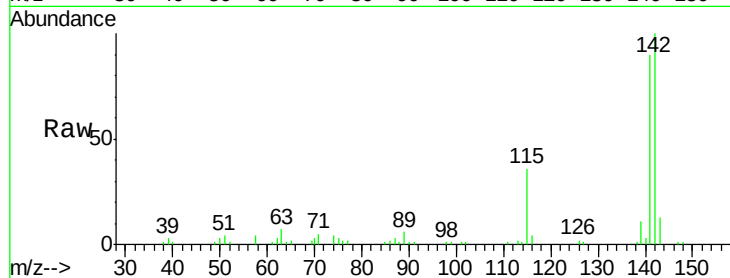
D9N41DL2

Tgt Ion:142 Resp: 47260

Ion Ratio Lower Upper

142 100

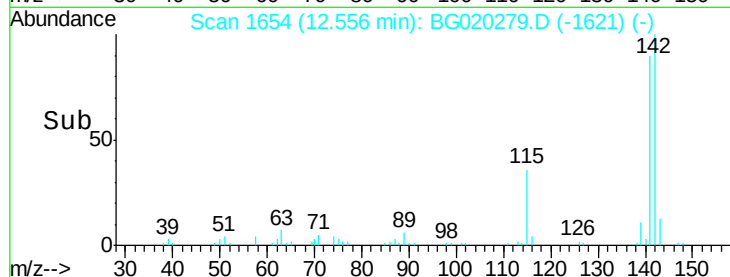
141 89.9 74.9 112.3



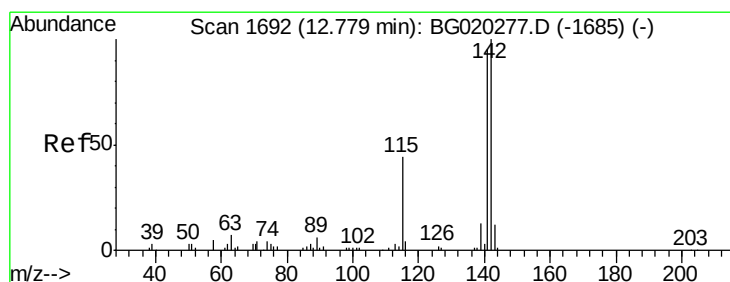
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.56



Time-->



#35

1-Methylnaphthalene

Concen: 8.16 ng/ul

RT: 12.78 min Scan# 1692

Delta R.T. 0.00 min

Lab File: BG020279.D

Acq: 18 Dec 2015 17:37

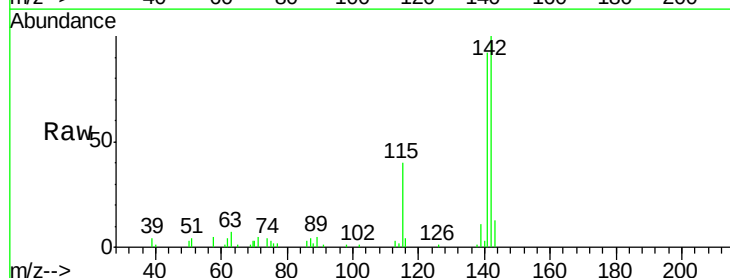
Tgt Ion:142 Resp: 23033

Ion Ratio Lower Upper

142 100

141 91.7 73.0 109.6

116 4.2 3.0 4.6

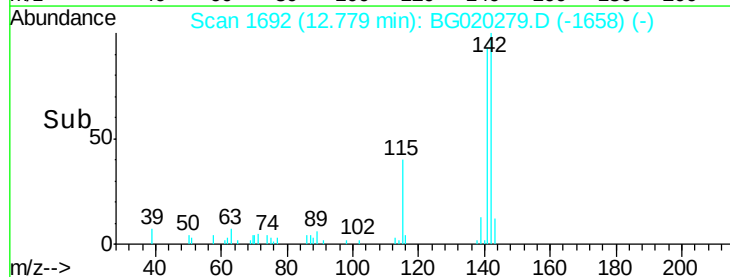


Abundance Ion 142.00 (141.70 to 142.70): E

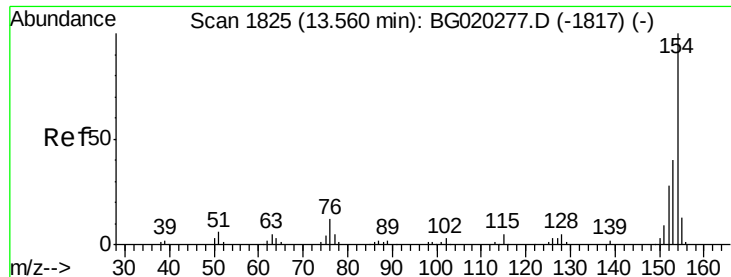
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

12.78



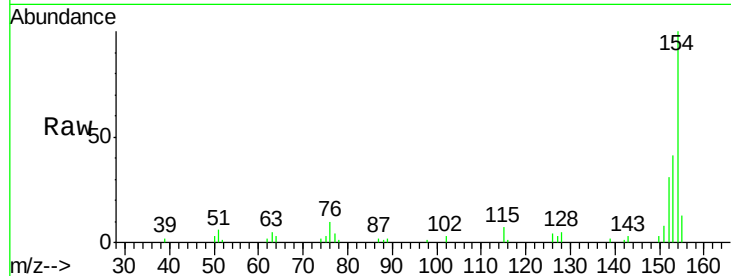
Time-->



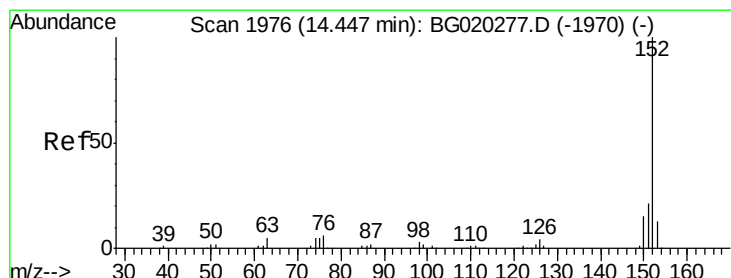
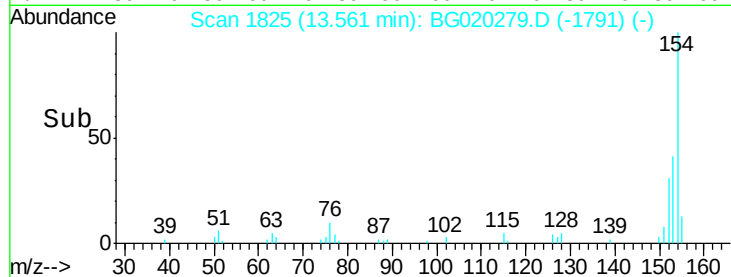
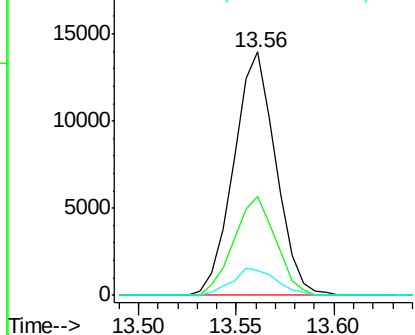
#41
 1,1'-Biphenyl
 Concen: 5.26 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BG020279.D
 Acq: 18 Dec 2015 17:37

Instrument :
 BNA_G
 ClientSampleId :
 D9N41DL2

Tgt Ion:154 Resp: 20822
 Ion Ratio Lower Upper
 154 100
 153 40.6 35.5 53.3
 76 10.4 10.4 15.6

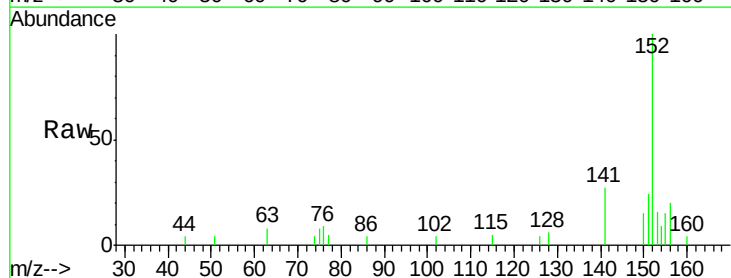


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

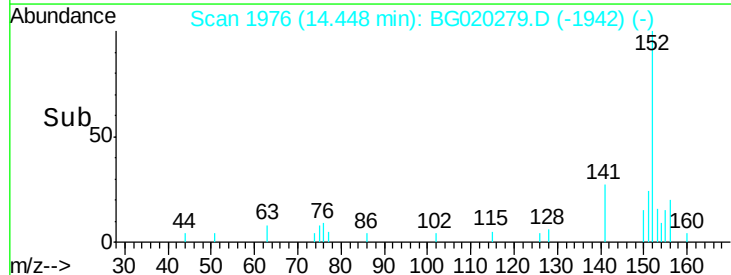
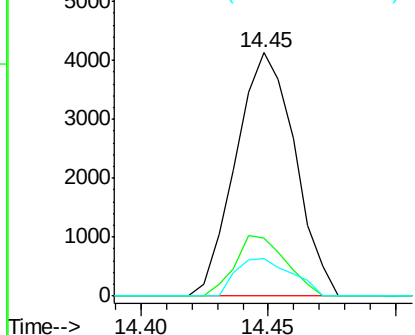


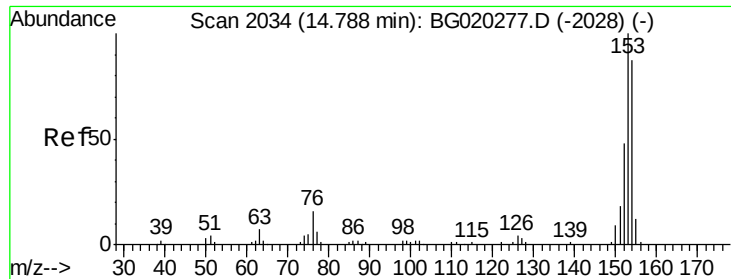
#48
 Acenaphthylene
 Concen: 1.28 ng/ul
 RT: 14.45 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: BG020279.D
 Acq: 18 Dec 2015 17:37

Tgt Ion:152 Resp: 6702
 Ion Ratio Lower Upper
 152 100
 151 23.6 16.4 24.6
 153 15.5 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: 25.65 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BG020279.D

Acq: 18 Dec 2015 17:37

Instrument :

BNA_G

ClientSampleId :

D9N41DL2

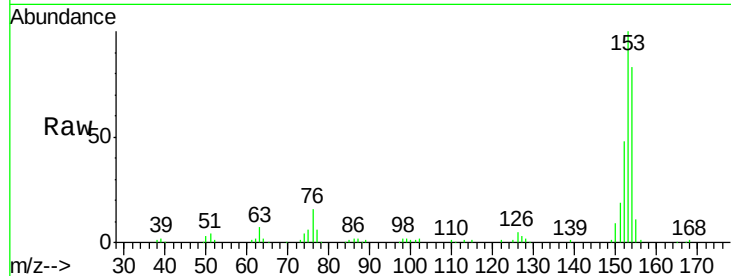
Tgt Ion:153 Resp: 90478

Ion Ratio Lower Upper

153 100

152 47.7 37.6 56.4

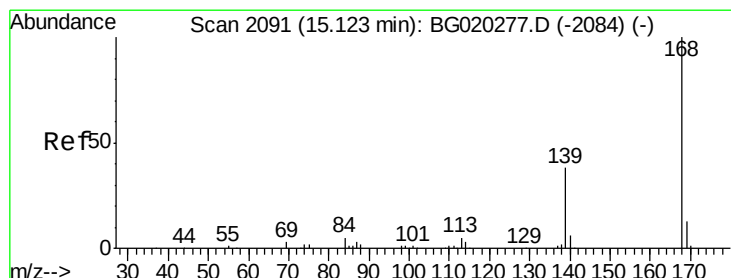
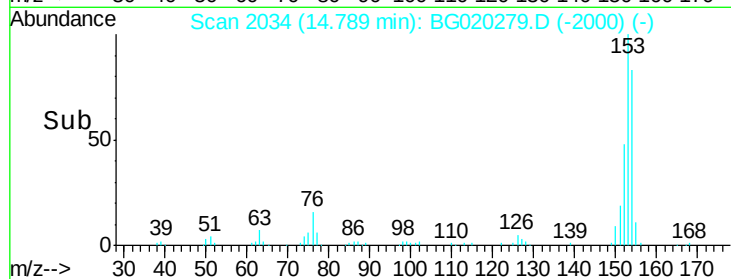
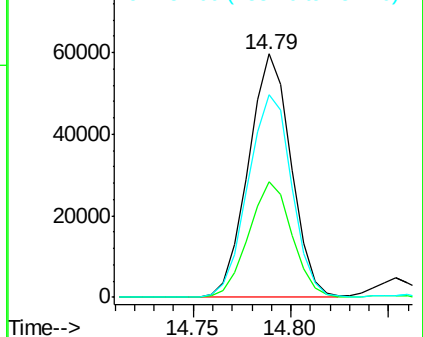
154 83.0 67.9 101.9



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

Dibenzofuran

Concen: 18.75 ng/ul

RT: 15.12 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BG020279.D

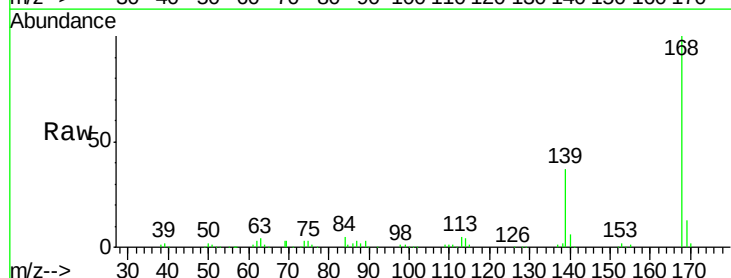
Acq: 18 Dec 2015 17:37

Tgt Ion:168 Resp: 98385

Ion Ratio Lower Upper

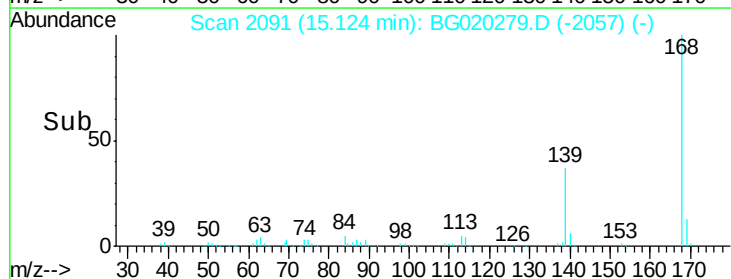
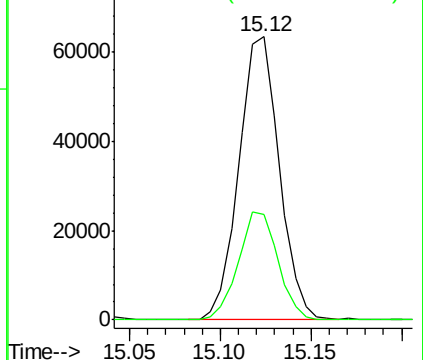
168 100

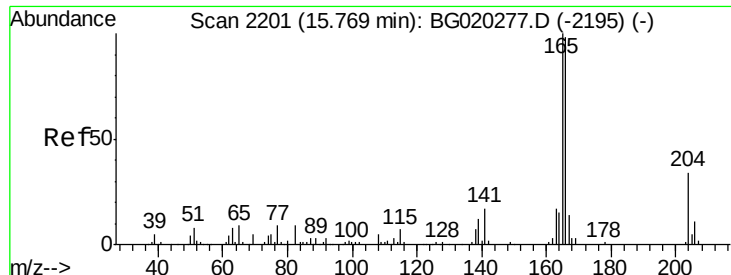
139 37.3 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 21.62 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BG020279.D

Acq: 18 Dec 2015 17:37

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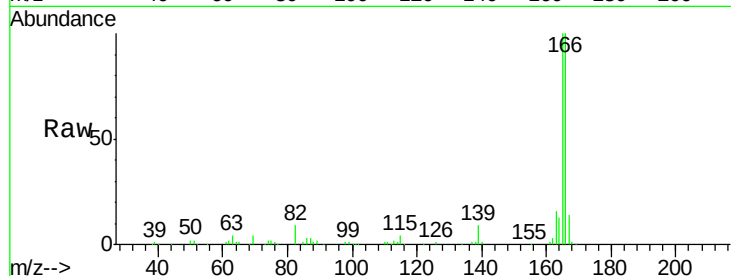
Tgt Ion:166 Resp: 91117

Ion Ratio Lower Upper

166 100

165 99.9 81.4 122.0

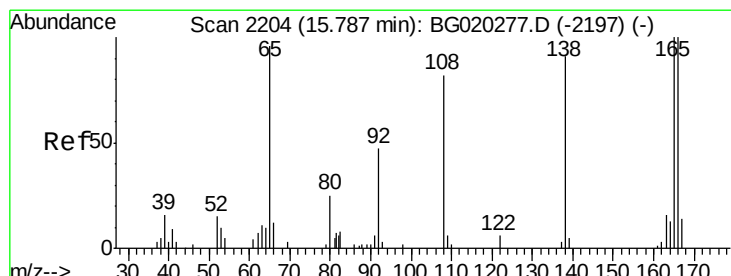
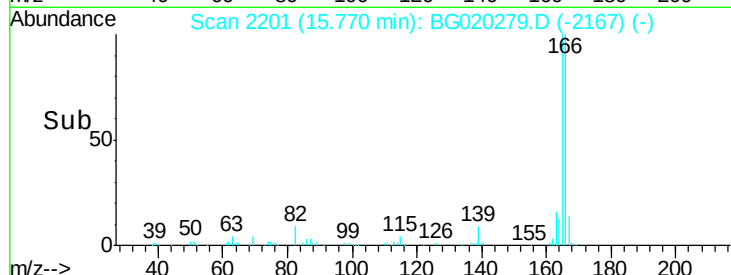
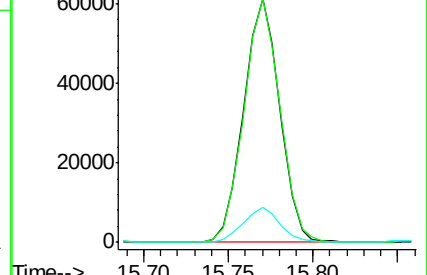
167 14.3 11.2 16.8



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



#61

4-Nitroaniline

Concen: 1.10 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.02 min

Lab File: BG020279.D

Acq: 18 Dec 2015 17:37

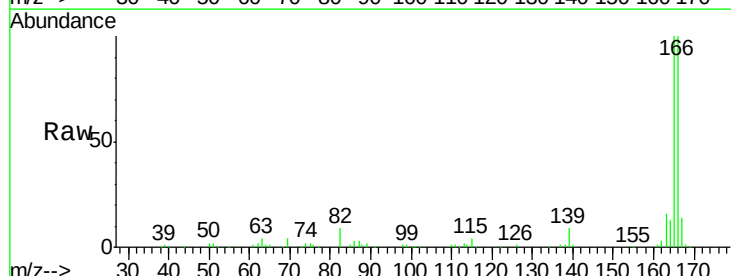
Tgt Ion:138 Resp: 1031

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

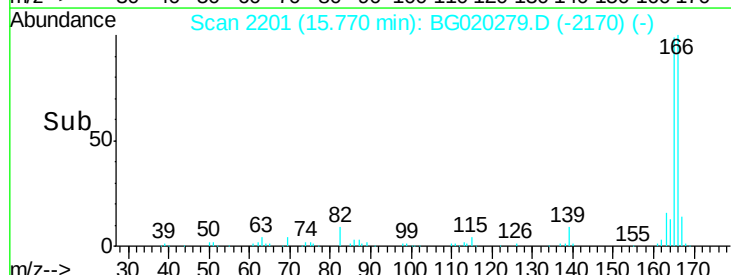
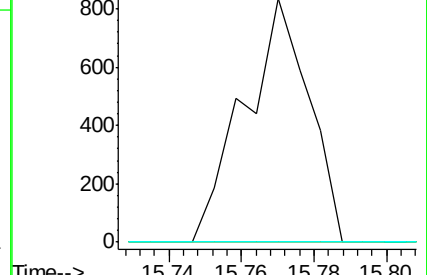
108 0.0 75.4 113.0#

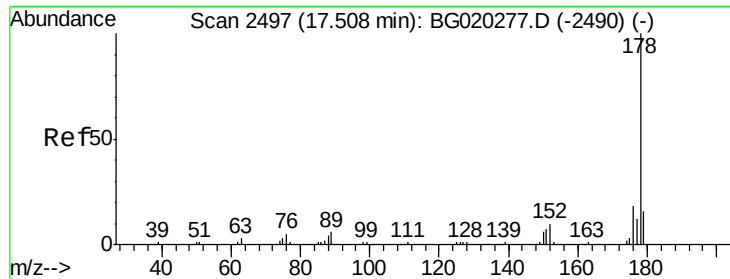


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 61.39 ng/ul

RT: 17.52 min Scan# 2498

Delta R.T. 0.01 min

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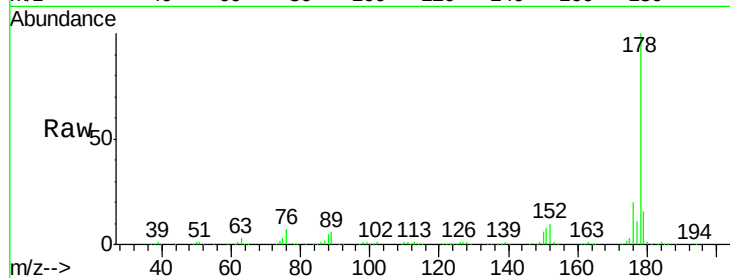
Tgt Ion:178 Resp: 445185

Ion Ratio Lower Upper

178 100

179 16.1 12.9 19.3

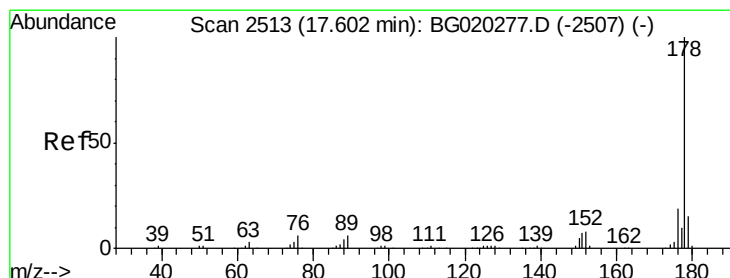
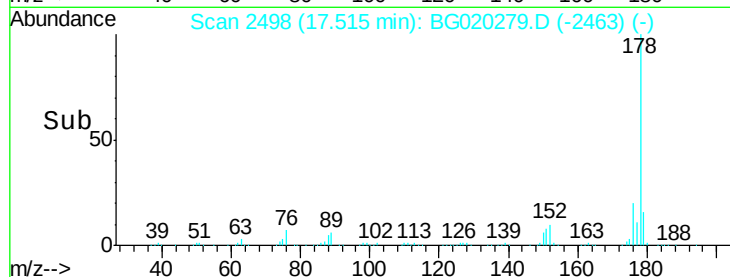
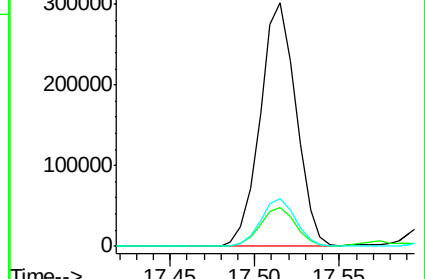
176 19.6 15.3 22.9



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: 5.63 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG020279.D

Acq: 18 Dec 2015 17:37

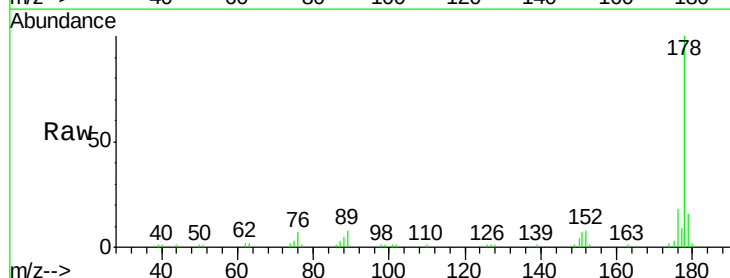
Tgt Ion:178 Resp: 41405

Ion Ratio Lower Upper

178 100

179 16.2 12.3 18.5

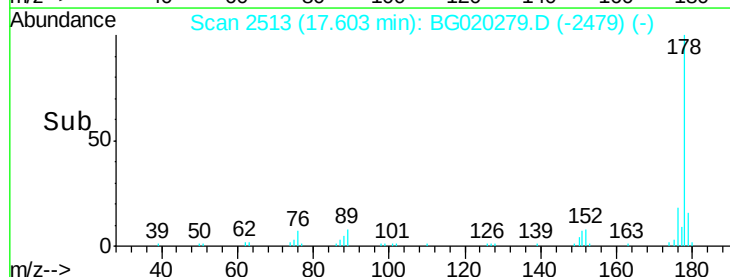
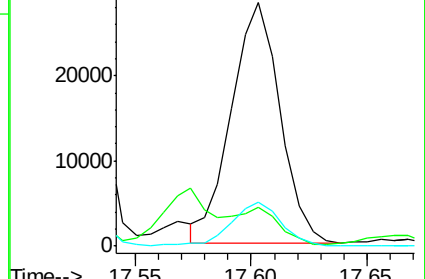
176 18.0 14.3 21.5

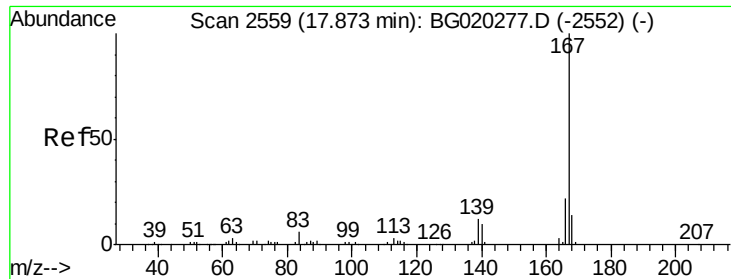


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 5.09 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.01 min

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Acq: 18 Dec 2015 17:37

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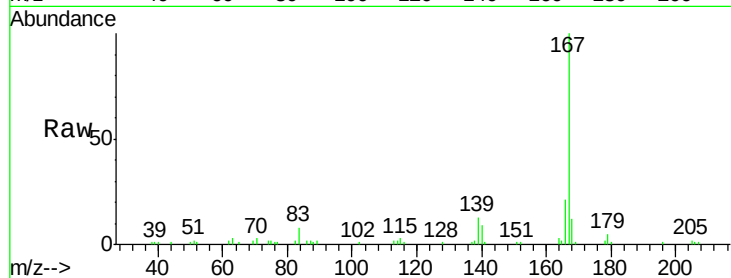
Tgt Ion:167 Resp: 31436

Ion Ratio Lower Upper

167 100

166 20.5 17.0 25.6

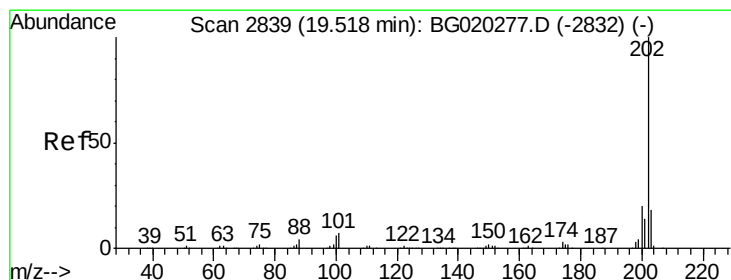
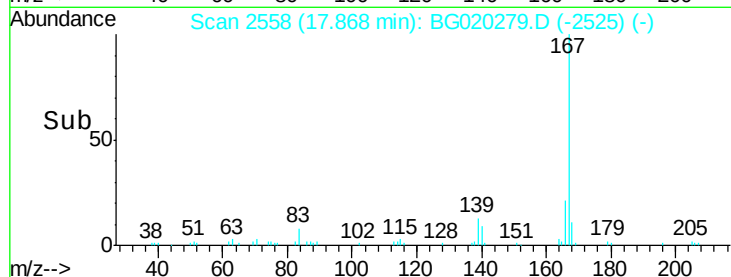
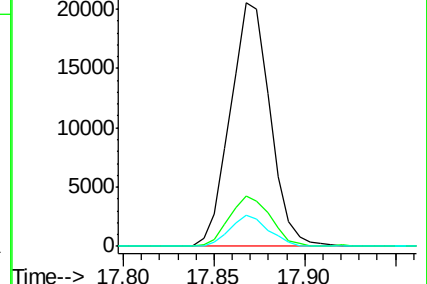
139 12.7 10.1 15.1



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



#77

Fluoranthene

Concen: 30.55 ng/ul

RT: 19.52 min Scan# 2839

Delta R.T. 0.00 min

Lab File: BG020279.D

Acq: 18 Dec 2015 17:37

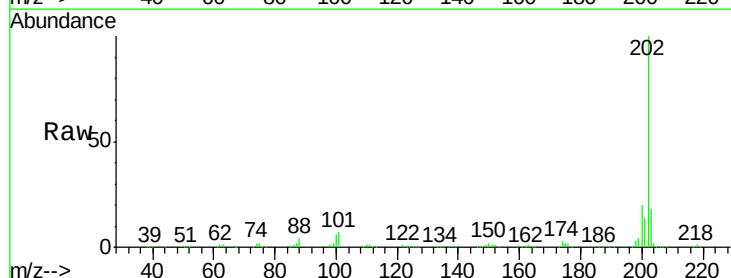
Tgt Ion:202 Resp: 258937

Ion Ratio Lower Upper

202 100

101 7.0 6.2 9.4

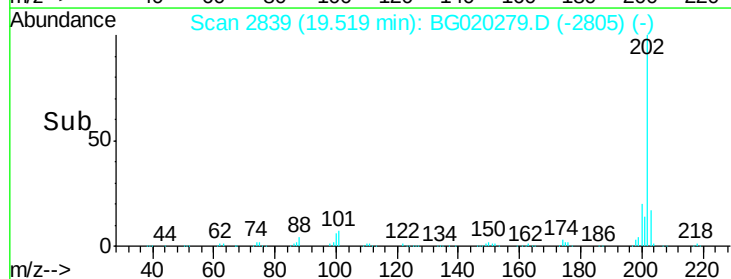
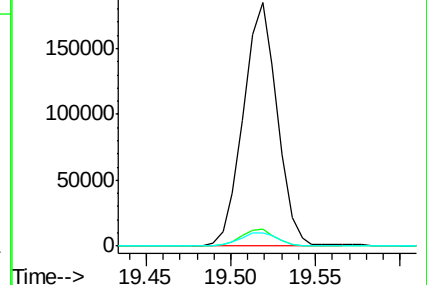
100 5.6 5.1 7.7

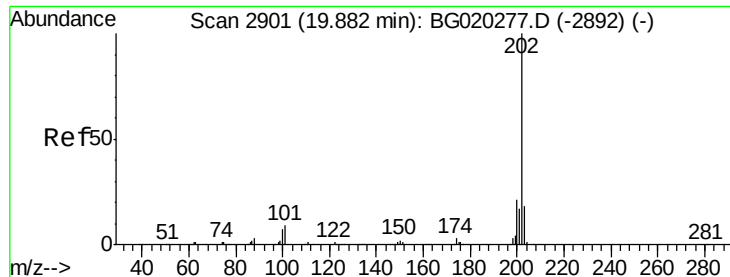


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

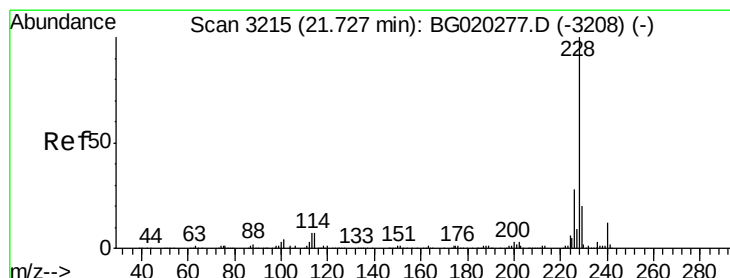
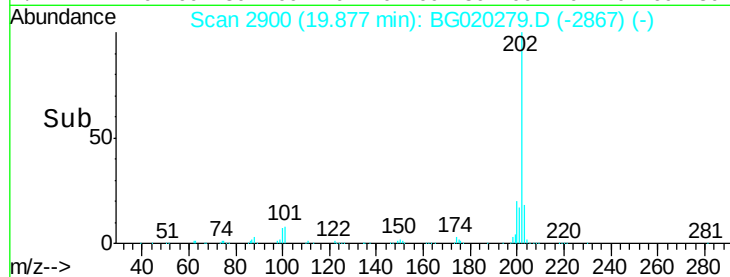
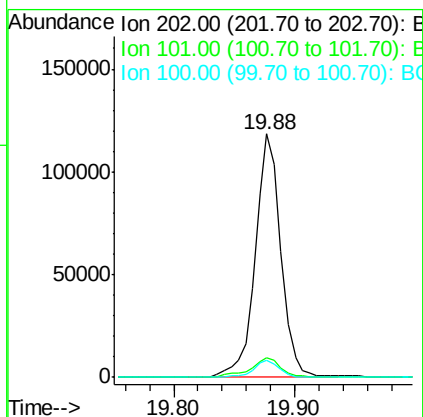
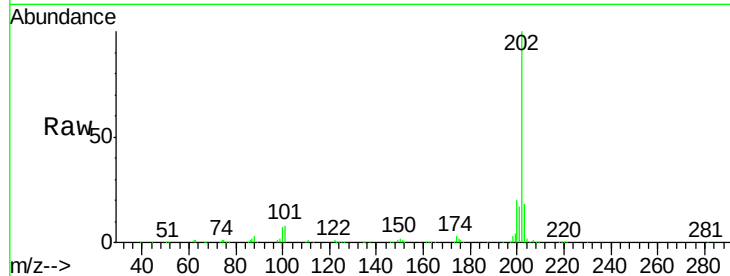




#80
 Pyrene
 Concen: 16.43 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. -0.01 min
 Lab File: BG020279.D
 Acq: 18 Dec 2015 17:37

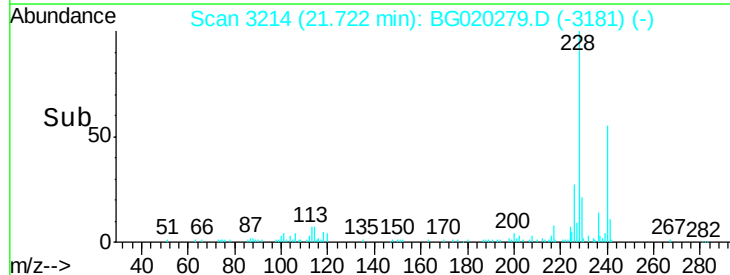
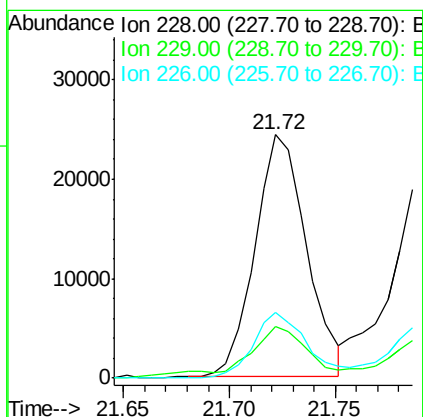
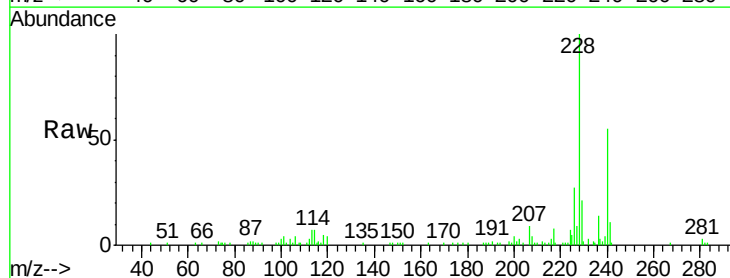
Instrument :
 BNA_G
 ClientSampleId :
 D9N41DL2

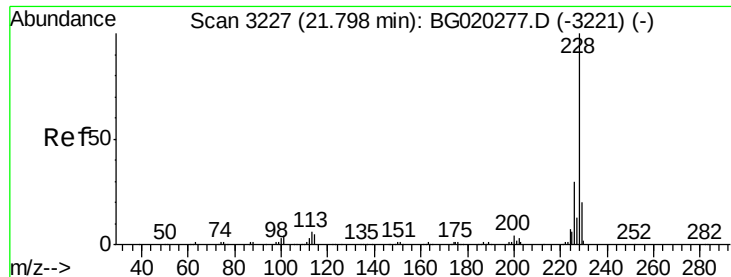
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	7.0	10.4
100	7.1	6.4	9.6



#83
 Benzo(a)anthracene
 Concen: 4.04 ng/ul
 RT: 21.72 min Scan# 3214
 Delta R.T. -0.01 min
 Lab File: BG020279.D
 Acq: 18 Dec 2015 17:37

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.8	23.8
226	26.8	21.8	32.6





#85

Chrysene

Concen: 3.69 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. -0.01 min

Lab File: BG020279.D

Acq: 18 Dec 2015 17:37

Instrument :

BNA_G

ClientSampleId :

D9N41DL2

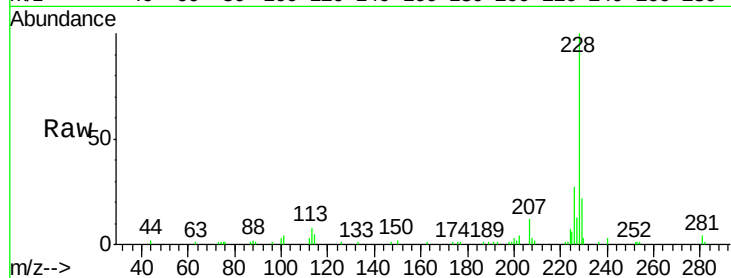
Tgt Ion:228 Resp: 35566

Ion Ratio Lower Upper

228 100

226 27.2 23.9 35.9

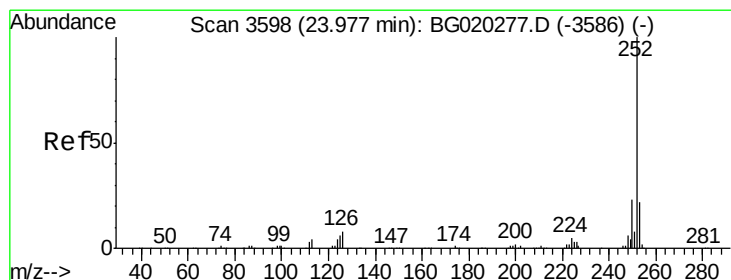
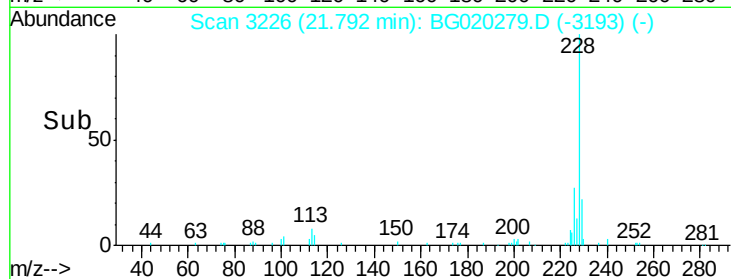
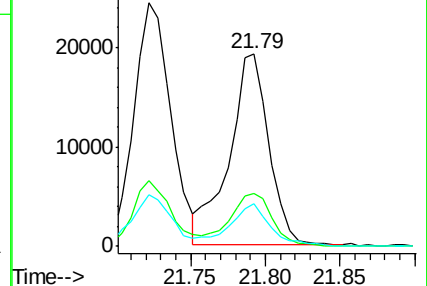
229 22.1 15.6 23.4



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: 1.65 ng/ul

RT: 23.97 min Scan# 3597

Delta R.T. -0.01 min

Lab File: BG020279.D

Acq: 18 Dec 2015 17:37

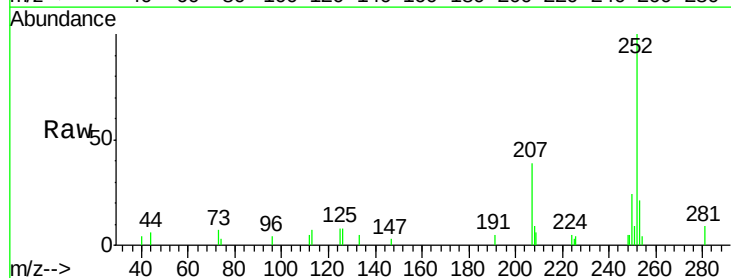
Tgt Ion:252 Resp: 15947

Ion Ratio Lower Upper

252 100

253 20.8 16.7 25.1

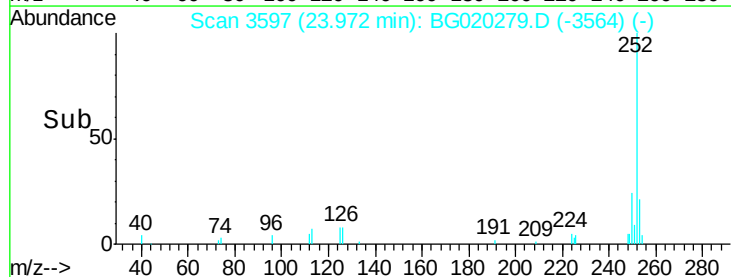
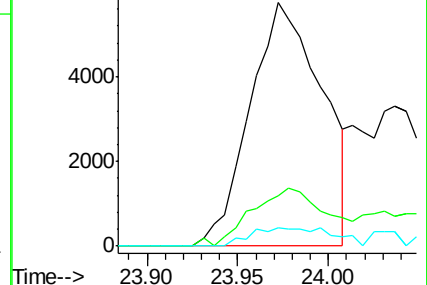
125 7.5 6.2 9.2

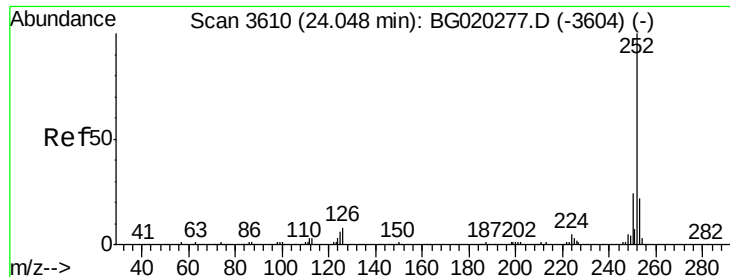


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 1.72 ng/ul

RT: 23.97 min Scan# 3597

Delta R.T. -0.08 min

Lab File: BG020279.D

Acq: 18 Dec 2015 17:37

Instrument :

BNA_G

ClientSampleId :

D9N41DL2

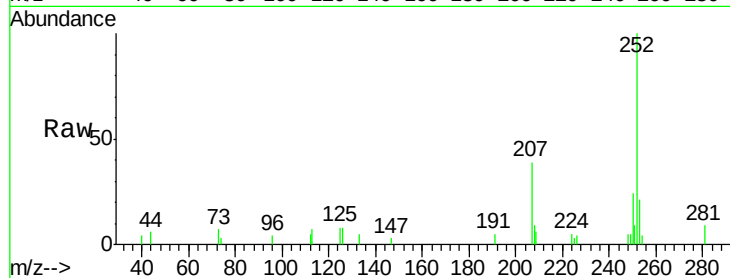
Tgt Ion:252 Resp: 15947

Ion Ratio Lower Upper

252 100

253 20.8 17.9 26.9

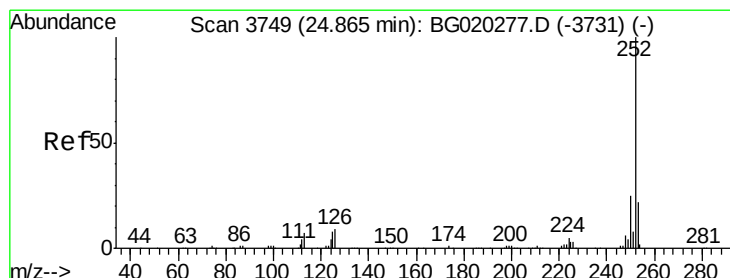
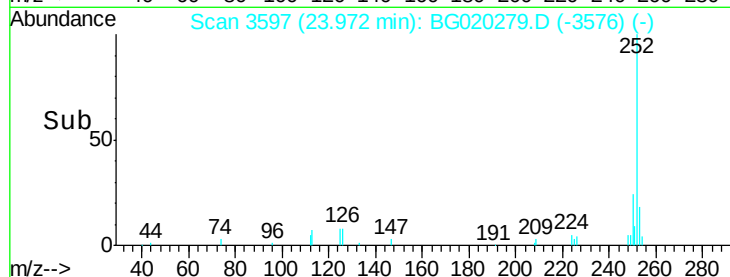
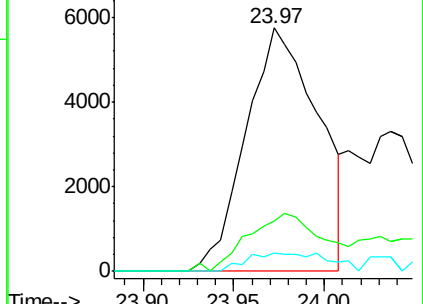
125 7.5 5.8 8.6



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



#91

Benzo(a)pyrene

Concen: 1.21 ng/ul

RT: 24.86 min Scan# 3748

Delta R.T. -0.01 min

Lab File: BG020279.D

Acq: 18 Dec 2015 17:37

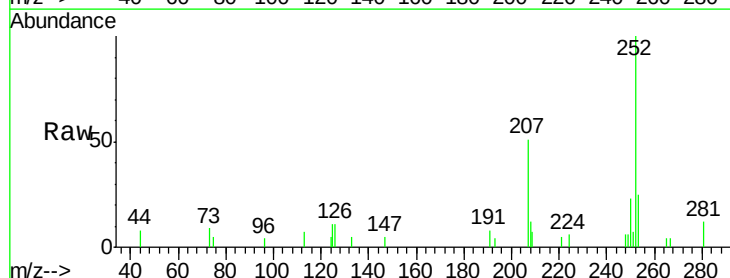
Tgt Ion:252 Resp: 11082

Ion Ratio Lower Upper

252 100

253 25.0 17.0 25.4

125 10.5 6.2 9.4#



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

