Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020295.D
Acq On : 19 Dec 2015 4:12
Operator : UM/SJ
Sample : G4768-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

Quant Time: Dec 20 03:27:29 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	18276	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	78391	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	56447	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	139409	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	186163	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	169939	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	413	1.25	ng/uL	0.00
5) Phenol-d5	7.24	99	12348	7.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	27153	28.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	29235	24.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	22101	16.04	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	18570	30.39	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	22640	33.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	38941	28.27	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	1751	1.13	ng/ul	-0.02
44) Dimethylphthalate-d6	14.12	166	150515	32.97	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	165827	31.22	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	6359	7.77	ng/ul	0.00
58) Fluorene-d10	15.71	176	133728	32.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	24515	29.66	ng/ul	0.00
71) Anthracene-d10	17.57	188	220260	34.29	ng/ul	0.00
79) Pyrene-d10	19.85	212	272409	31.40	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	280471	33.09	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.97	128	1702190	415.81	ng/ul#	92
34) 2-Methylnaphthalene	12.56	142	128922	41.23	ng/ul	97
35) 1-Methylnaphthalene	12.78	142	67833	22.56	ng/ul	92
41) 1,1'-Biphenyl	13.56	154	36480	8.57	ng/ul#	96
48) Acenaphthylene	14.45	152	20049	3.55	ng/ul	97
50) Acenaphthene	14.79	153	184554	48.60	ng/ul	99
54) Dibenzofuran	15.12	168	148070	26.21	ng/ul	99
59) Fluorene	15.77	166	146059	32.20	ng/ul	99
70) Phenanthrene	17.51	178	468116	61.39	ng/ul	99
72) Anthracene	17.60	178	24613	3.18	ng/ul	98
75) Carbazole	17.87	167	108982	16.77	ng/ul	98
77) Fluoranthene	19.51	202	146613	16.45	ng/ul	98
80) Pyrene	19.88	202	85515	7.59	ng/ul	98

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

Quantitation Report (QT/LSC Reviewed)

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ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
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D9N39

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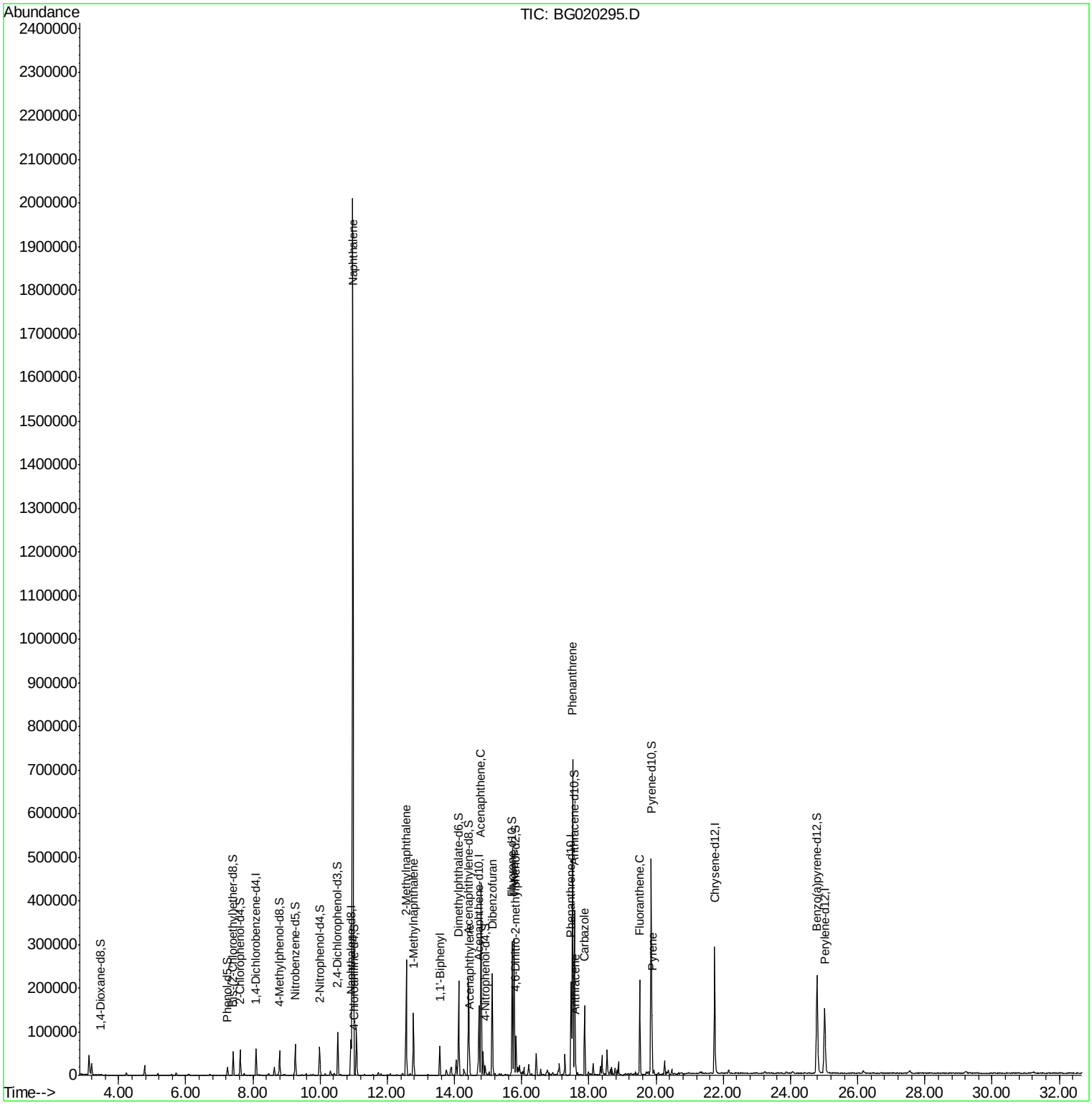
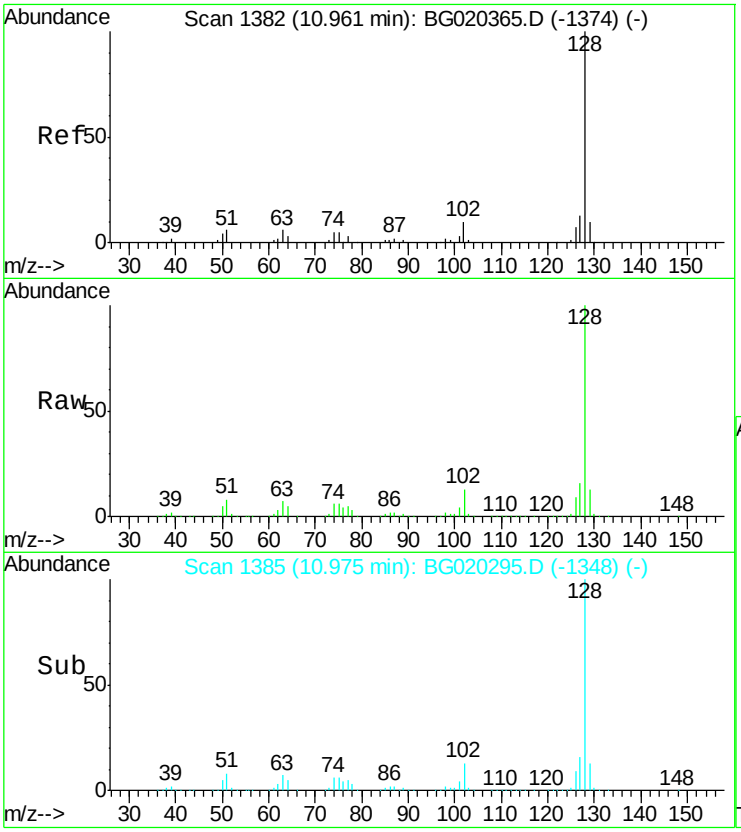
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 04:52:13 2015
Response via : Initial Calibration



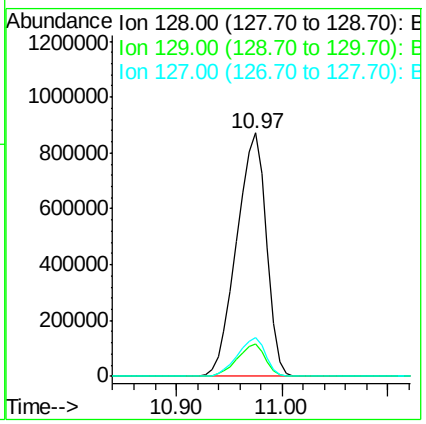


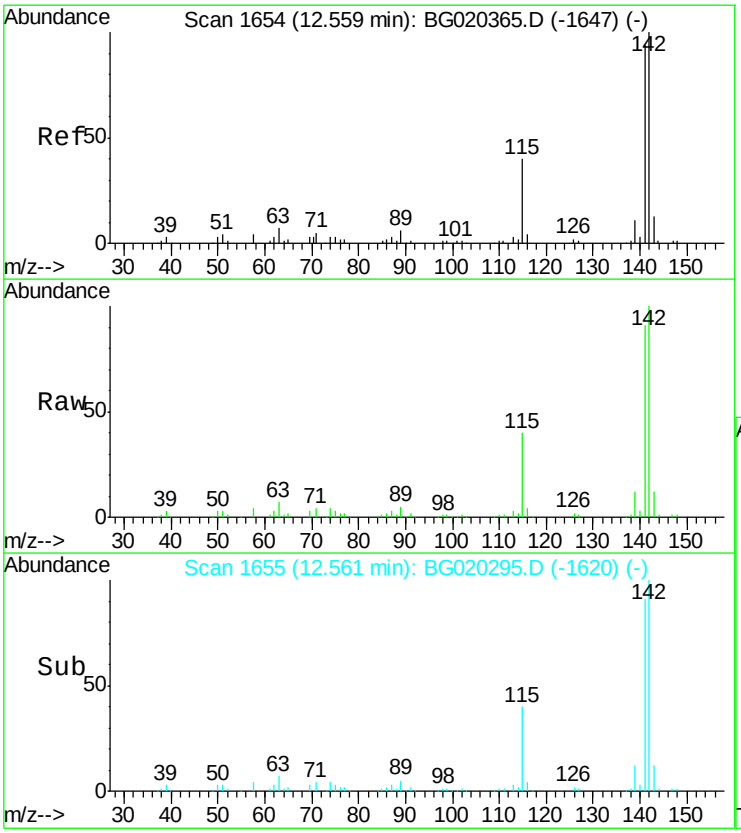
#28
Naphthalene
Concen: 415.81 ng/ul
RT: 10.97 min Scan# 1385
Delta R.T. 0.02 min
Lab File: BG020295.D
Acq: 19 Dec 2015 4:12

Instrument :
BNA_G
ClientSampleId :
D9N39

Tgt Ion:128 Resp: 1702190

Ion	Ratio	Lower	Upper
128	100		
129	13.2	8.6	12.8#
127	16.1	10.1	15.1#

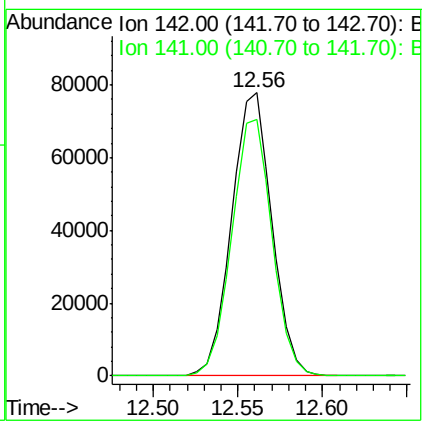


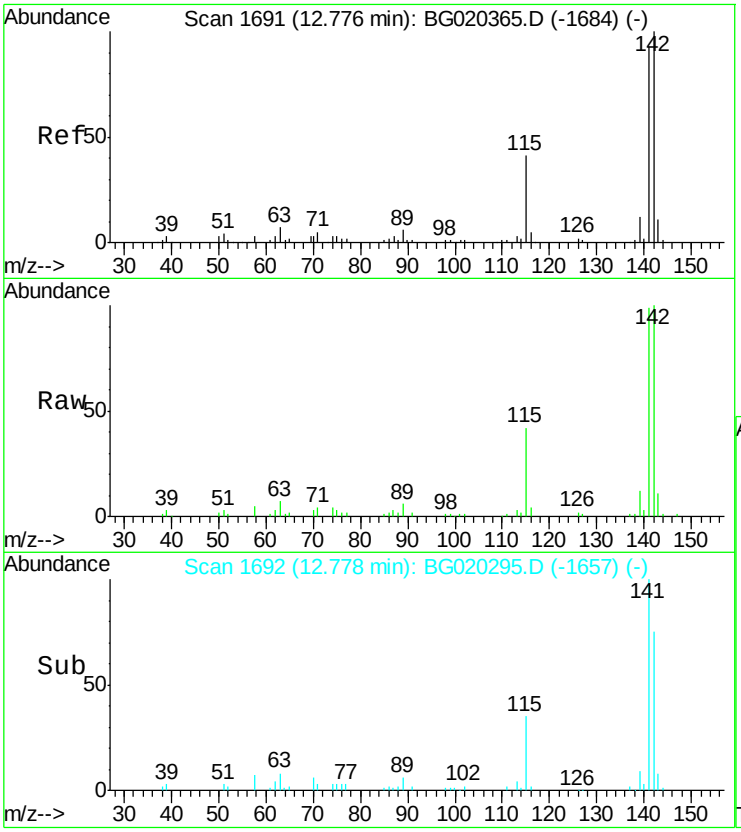


#34
2-Methylnaphthalene
Concen: 41.23 ng/ul
RT: 12.56 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BG020295.D
Acq: 19 Dec 2015 4:12

Tgt Ion:142 Resp: 128922

Ion	Ratio	Lower	Upper
142	100		
141	90.8	74.9	112.3



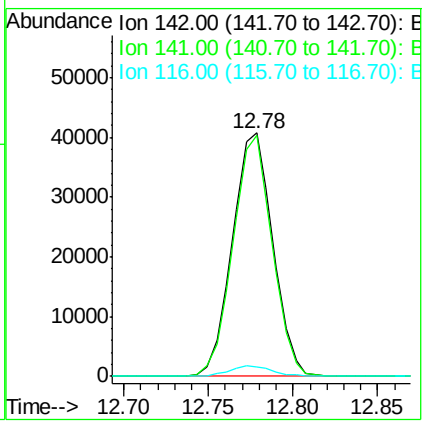


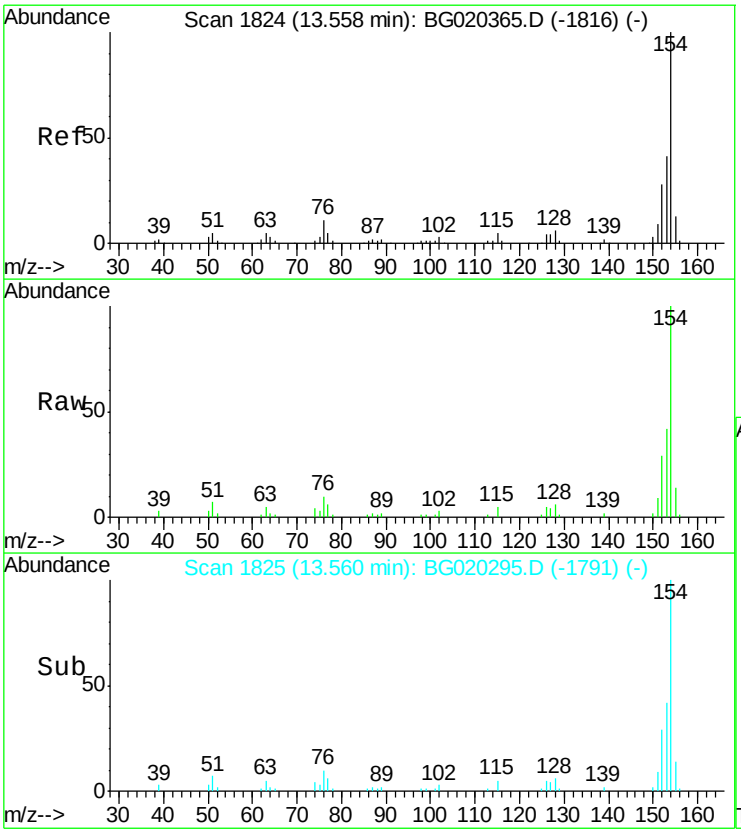
#35
1-Methylnaphthalene
Concen: 22.56 ng/ul
RT: 12.78 min Scan# 1692
Delta R.T. 0.00 min
Lab File: BG020295.D
Acq: 19 Dec 2015 4:12

Instrument :
BNA_G
ClientSampleId :
D9N39

Tgt Ion:142 Resp: 67833

Ion	Ratio	Lower	Upper
142	100		
141	98.8	73.0	109.6
116	4.1	3.0	4.6

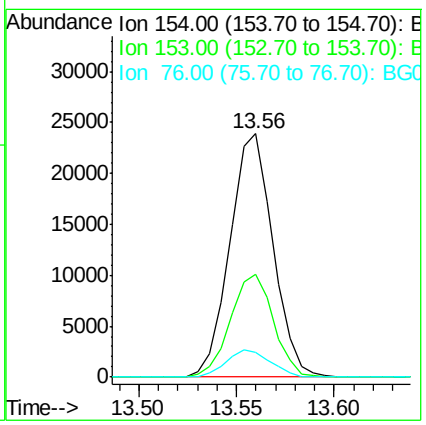


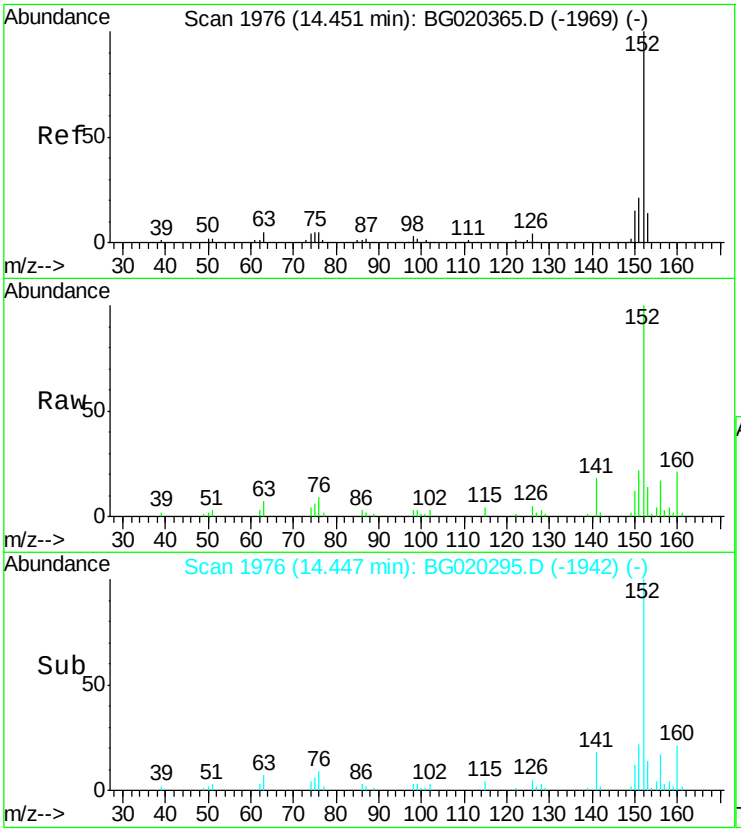


#41
1,1'-Biphenyl
Concen: 8.57 ng/ul
RT: 13.56 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BG020295.D
Acq: 19 Dec 2015 4:12

Tgt Ion:154 Resp: 36480

Ion	Ratio	Lower	Upper
154	100		
153	42.2	35.5	53.3
76	10.3	10.4	15.6#



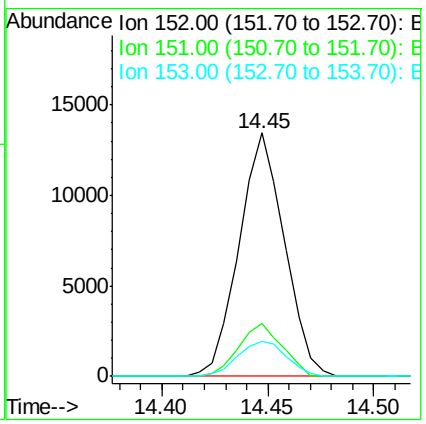


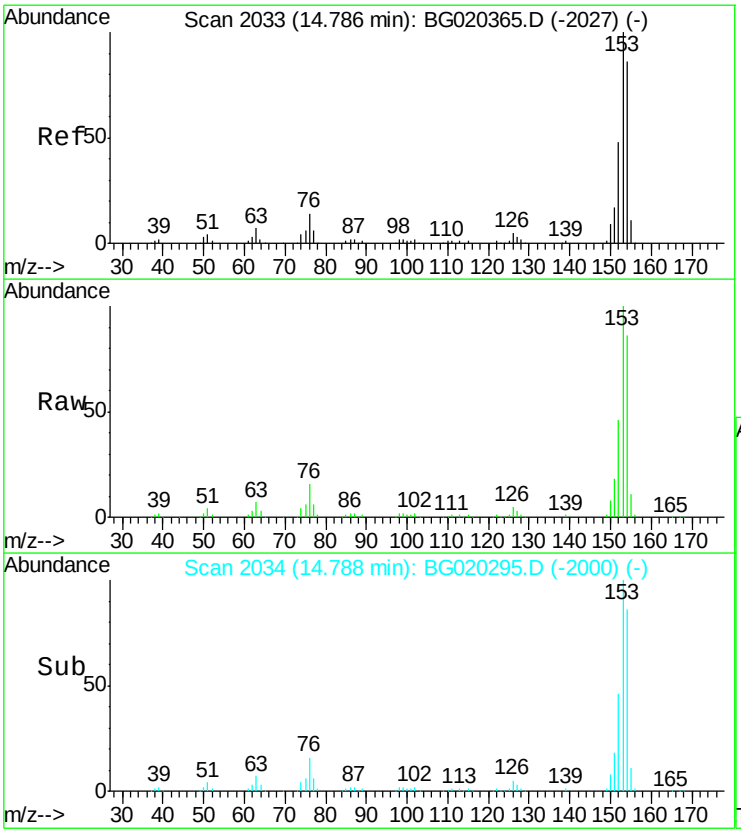
#48
Acenaphthylene
Concen: 3.55 ng/ul
RT: 14.45 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG020295.D
Acq: 19 Dec 2015 4:12

Instrument :
BNA_G
ClientSampleId :
D9N39

Tgt Ion:152 Resp: 20049

Ion	Ratio	Lower	Upper
152	100		
151	21.7	16.4	24.6
153	14.2	10.4	15.6

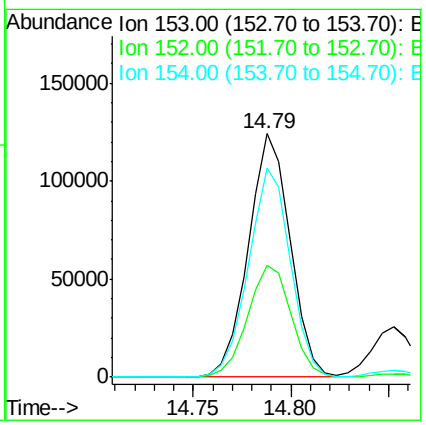


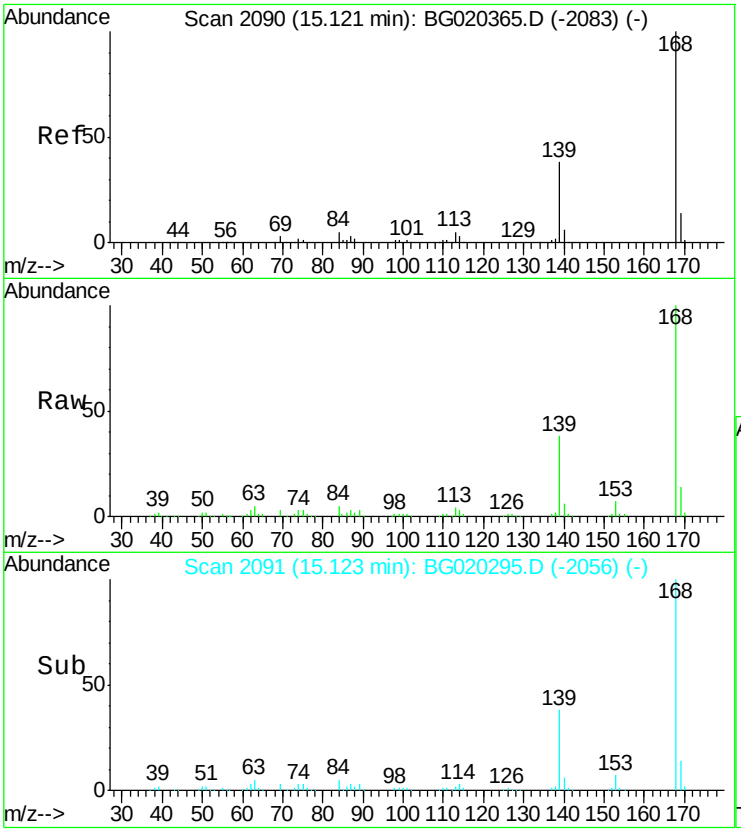


#50
Acenaphthene
Concen: 48.60 ng/ul
RT: 14.79 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BG020295.D
Acq: 19 Dec 2015 4:12

Tgt Ion:153 Resp: 184554

Ion	Ratio	Lower	Upper
153	100		
152	46.0	37.6	56.4
154	85.7	67.9	101.9



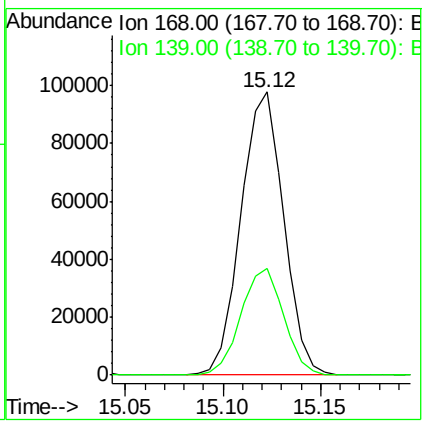


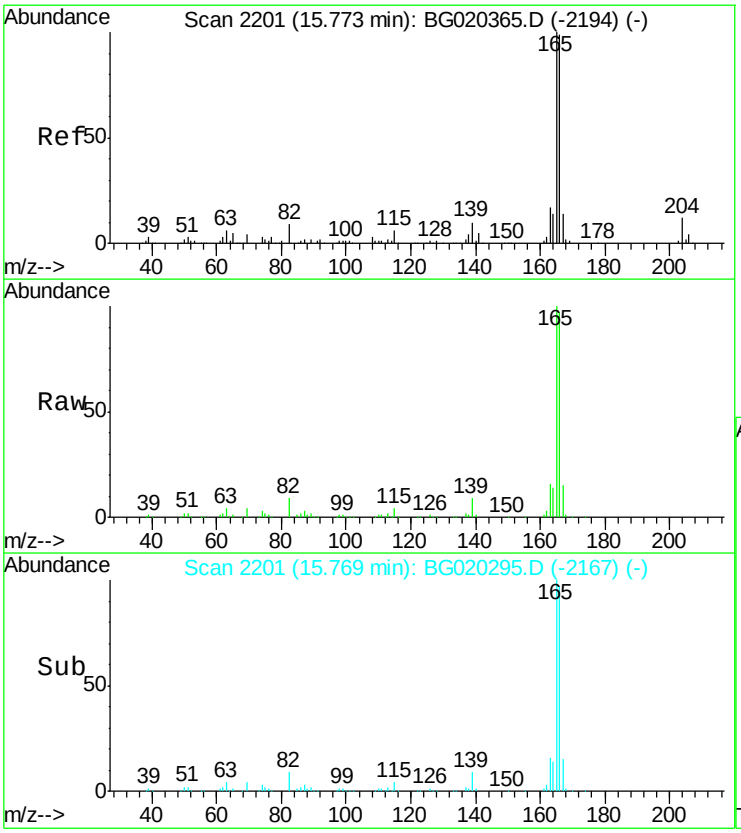
#54
Dibenzofuran
Concen: 26.21 ng/ul
RT: 15.12 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BG020295.D
Acq: 19 Dec 2015 4:12

Instrument :
BNA_G
ClientSampleId :
D9N39

Tgt Ion:168 Resp: 148070

Ion	Ratio	Lower	Upper
168	100		
139	37.6	30.5	45.7

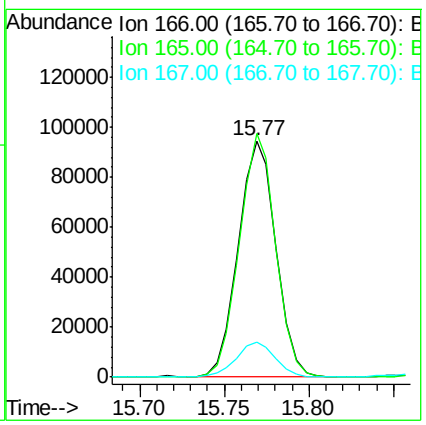


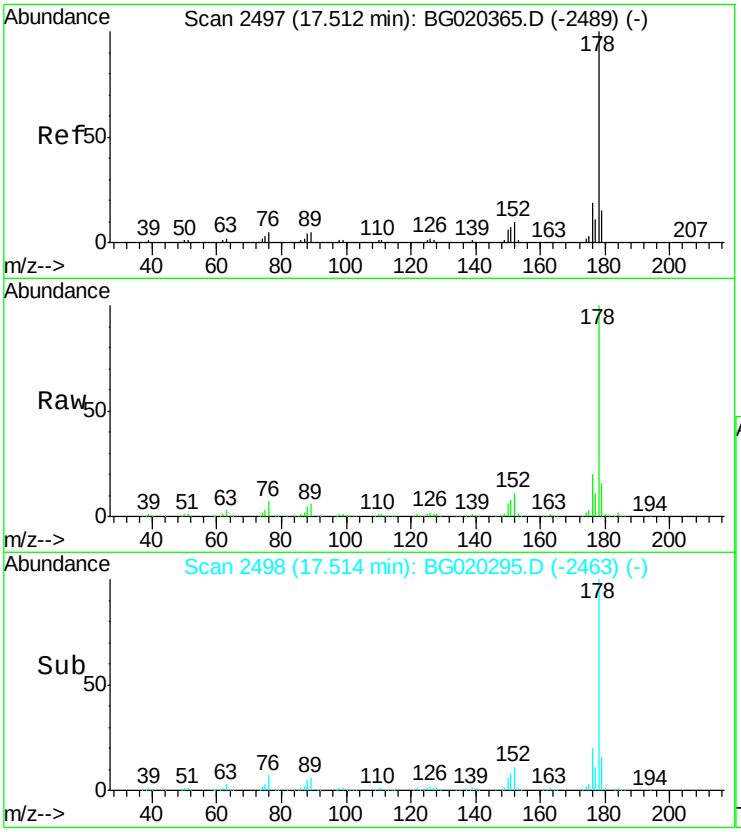


#59
Fluorene
Concen: 32.20 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BG020295.D
Acq: 19 Dec 2015 4:12

Tgt Ion:166 Resp: 146059

Ion	Ratio	Lower	Upper
166	100		
165	103.1	81.4	122.0
167	15.0	11.2	16.8



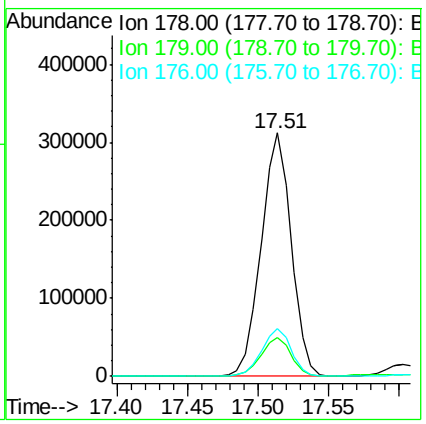


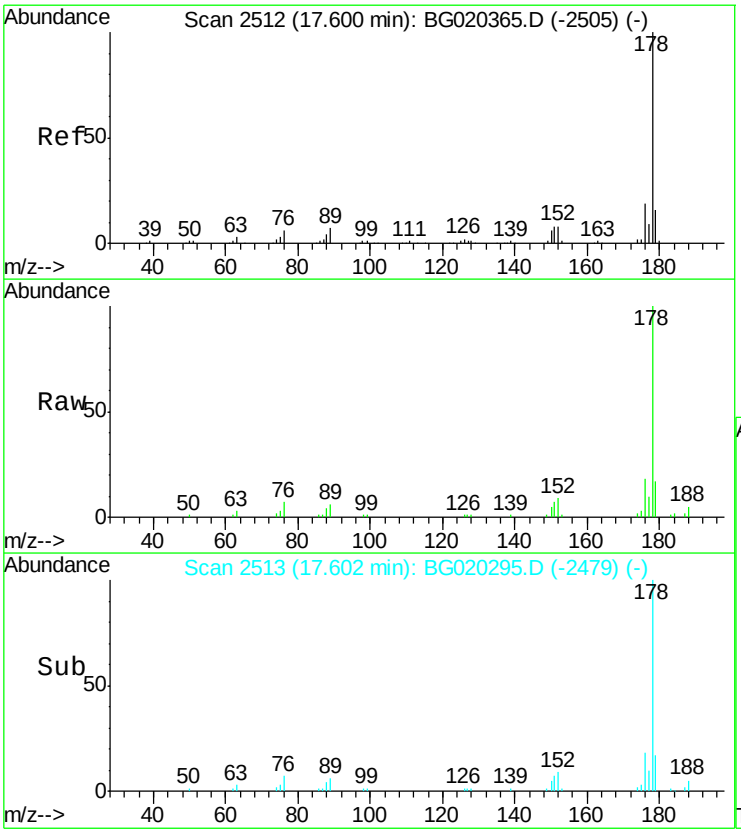
#70
Phenanthrene
Concen: 61.39 ng/ul
RT: 17.51 min Scan# 2498
Delta R.T. 0.00 min
Lab File: BG020295.D
Acq: 19 Dec 2015 4:12

Instrument :
BNA_G
ClientSampleId :
D9N39

Tgt Ion:178 Resp: 468116

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.9	19.3
176	19.6	15.3	22.9

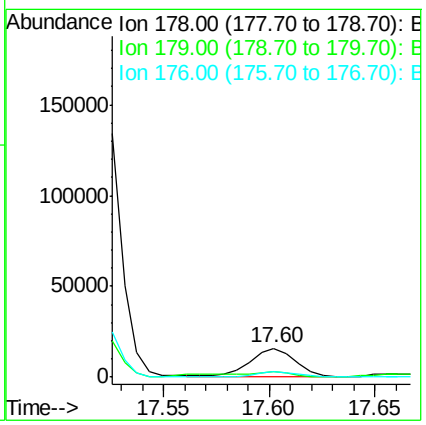


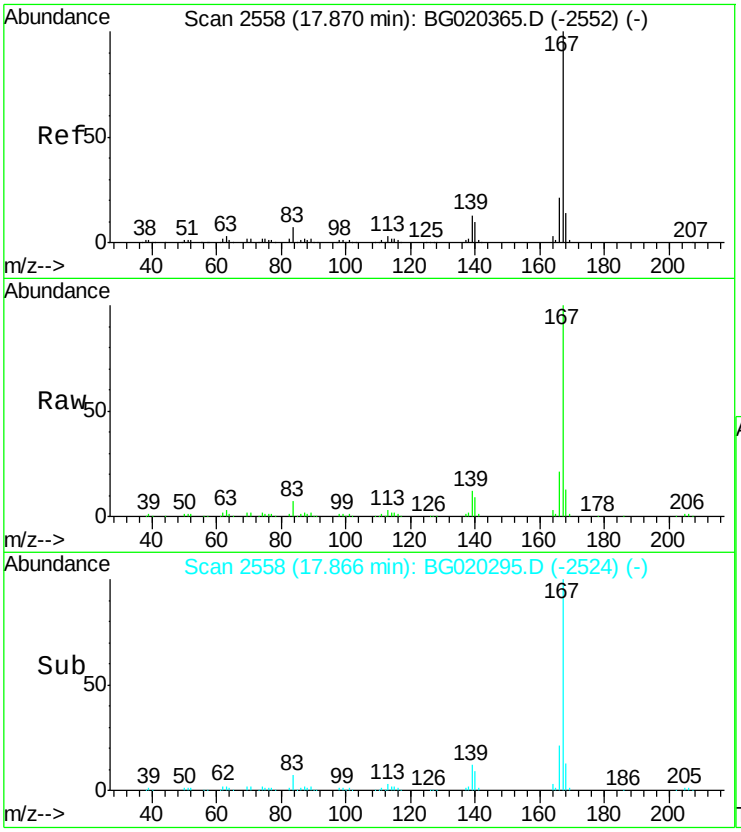


#72
Anthracene
Concen: 3.18 ng/ul
RT: 17.60 min Scan# 2513
Delta R.T. -0.00 min
Lab File: BG020295.D
Acq: 19 Dec 2015 4:12

Tgt Ion:178 Resp: 24613

Ion	Ratio	Lower	Upper
178	100		
179	17.2	12.3	18.5
176	18.0	14.3	21.5



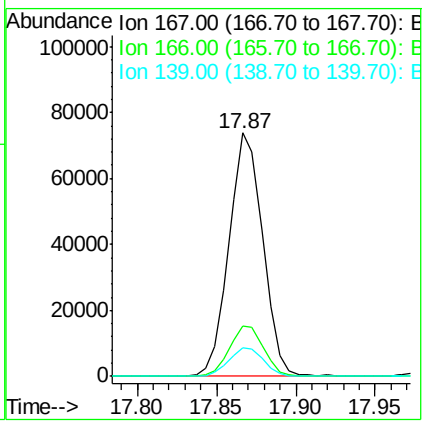


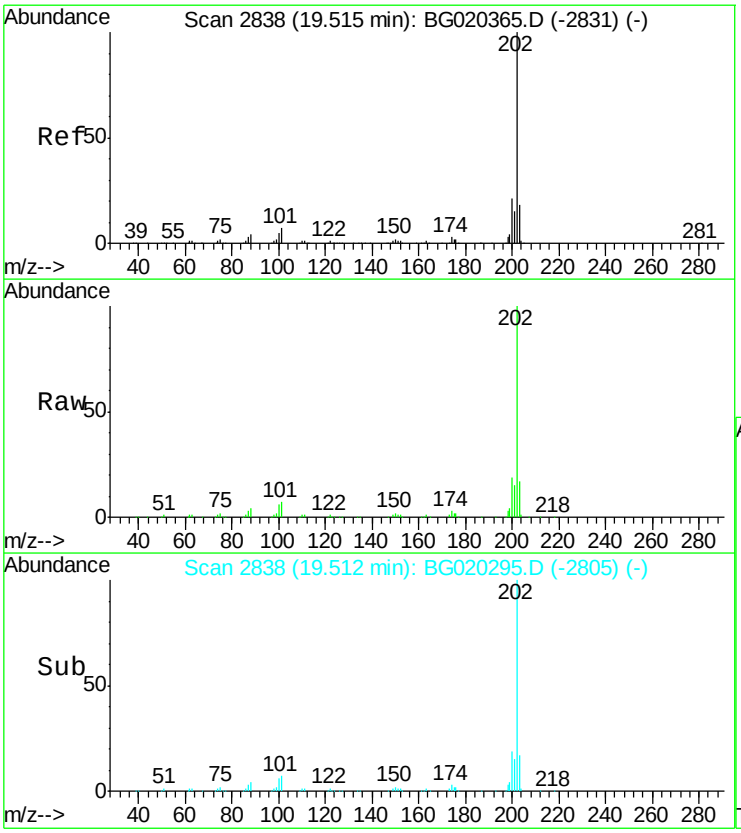
#75
Carbazole
Concen: 16.77 ng/ul
RT: 17.87 min Scan# 2558
Delta R.T. -0.00 min
Lab File: BG020295.D
Acq: 19 Dec 2015 4:12

Instrument :
BNA_G
ClientSampleId :
D9N39

Tgt Ion:167 Resp: 108982

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.0	25.6
139	11.6	10.1	15.1

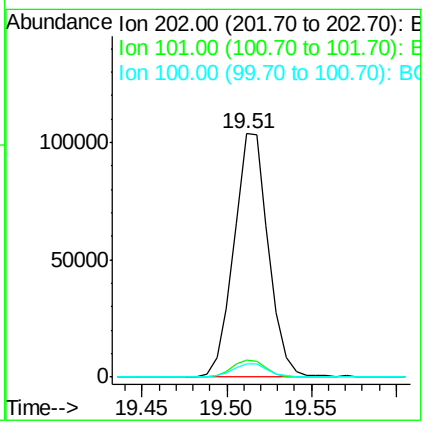


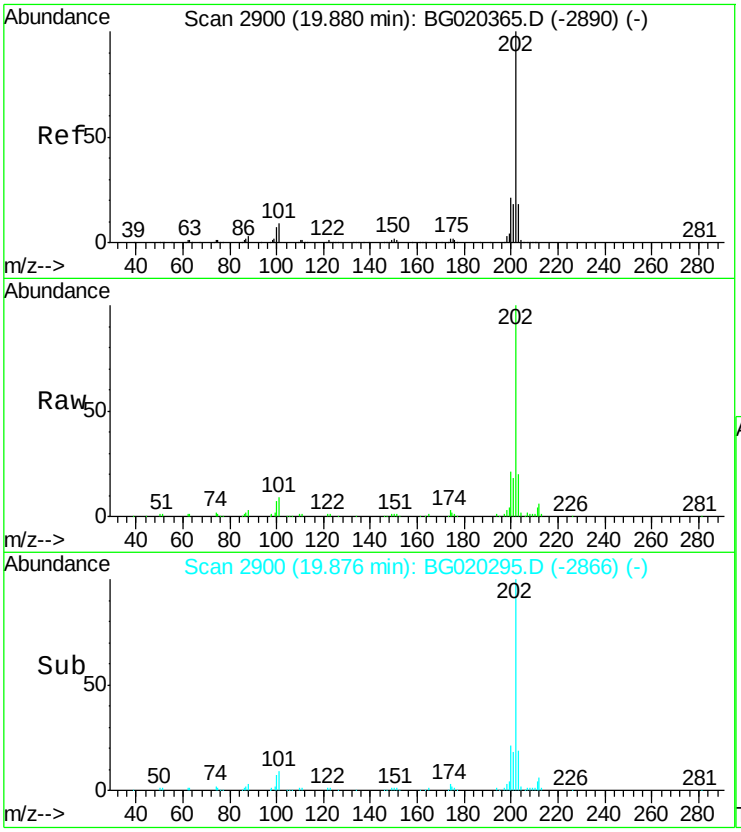


#77
Fluoranthene
Concen: 16.45 ng/ul
RT: 19.51 min Scan# 2838
Delta R.T. -0.01 min
Lab File: BG020295.D
Acq: 19 Dec 2015 4:12

Tgt Ion:202 Resp: 146613

Ion	Ratio	Lower	Upper
202	100		
101	7.0	6.2	9.4
100	5.7	5.1	7.7





#80
Pyrene
Concen: 7.59 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. -0.00 min
Lab File: BG020295.D
Acq: 19 Dec 2015 4:12

Instrument :
BNA_G
ClientSampleId :
D9N39

Tgt Ion:202 Resp: 85515

Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.0	10.4
100	6.9	6.4	9.6