Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020554.D
Acq On : 27 Dec 2015 13:58
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

Quant Time: Dec 28 04:08:39 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 02:38:20 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	18461	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	82371	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	58439	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	147173	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	178785	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	155322	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.45	96	447	1.34	ng/uL	0.00
5) Phenol-d5	7.23	99	14108	9.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	31408	35.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	33994	29.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	26580	21.33	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	23035	35.67	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	27155	36.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	45548	32.06	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	538	0.33	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	167951	34.87	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	199916	35.82	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	6192	7.71	ng/ul	0.00
58) Fluorene-d10	15.70	176	156830	36.00	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	25936	26.59	ng/ul	0.00
71) Anthracene-d10	17.56	188	251898	36.54	ng/ul	0.00
79) Pyrene-d10	19.84	212	292825	37.83	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	320302	40.79	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.96	128	1963826	448.49	ng/ul#	91
34) 2-Methylnaphthalene	12.55	142	459792	141.92	ng/ul	97
41) 1,1'-Biphenyl	13.55	154	164376	36.45	ng/ul	95
48) Acenaphthylene	14.44	152	73792	12.58	ng/ul	98
50) Acenaphthene	14.79	153	802924	202.47	ng/ul	96
54) Dibenzofuran	15.12	168	646483	109.57	ng/ul	100
59) Fluorene	15.76	166	590622	123.53	ng/ul	99
70) Phenanthrene	17.51	178	1470211	179.54	ng/ul	93
72) Anthracene	17.60	178	100958	12.06	ng/ul	99
75) Carbazole	17.87	167	503943	71.41	ng/ul	98
77) Fluoranthene	19.51	202	388151	37.69	ng/ul	99
80) Pyrene	19.87	202	224745	22.23	ng/ul	99
83) Benzo(a)anthracene	21.72	228	10795	1.03	ng/ul	93

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

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Quant Title : SVOA CALIBRATION
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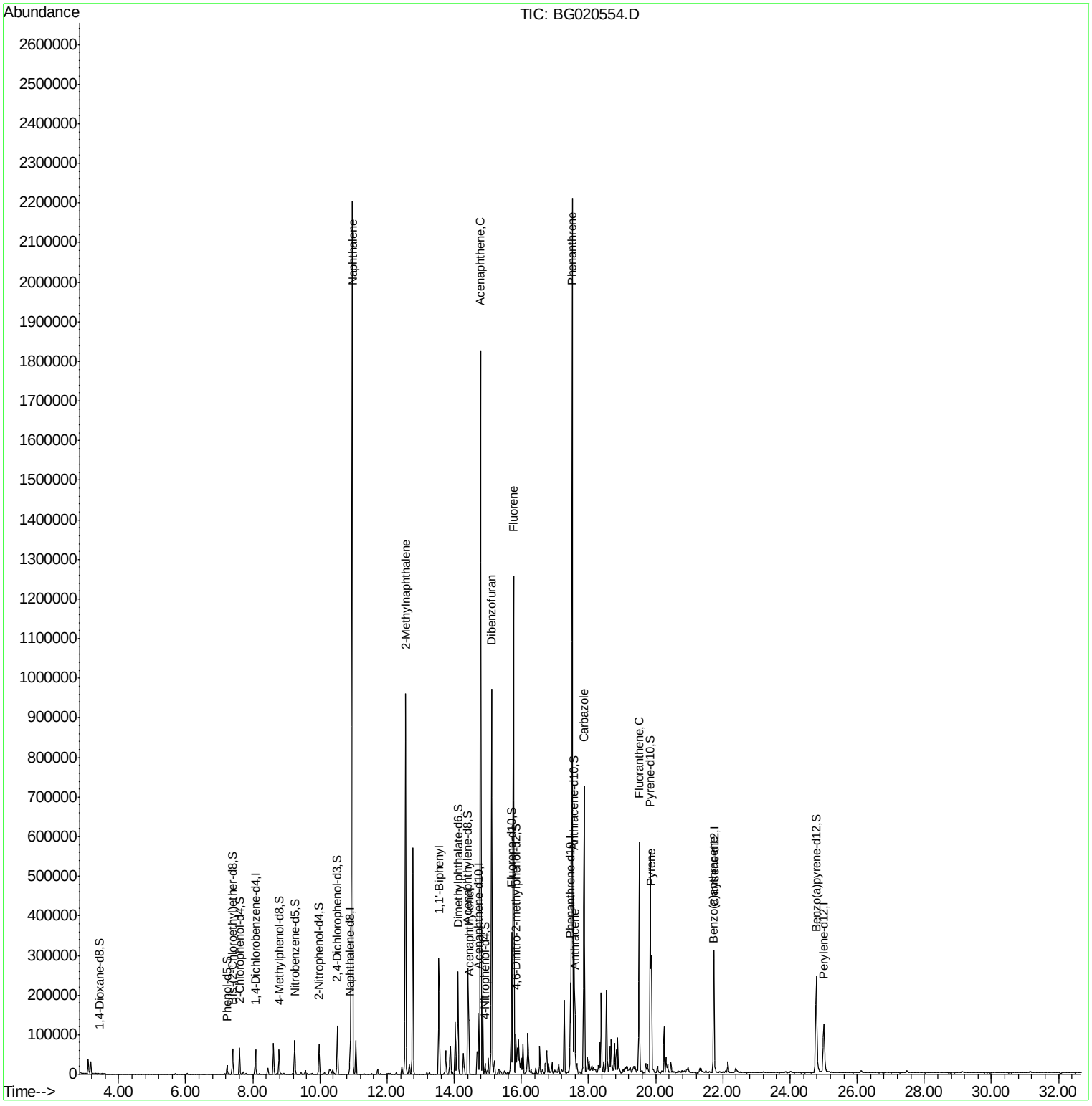
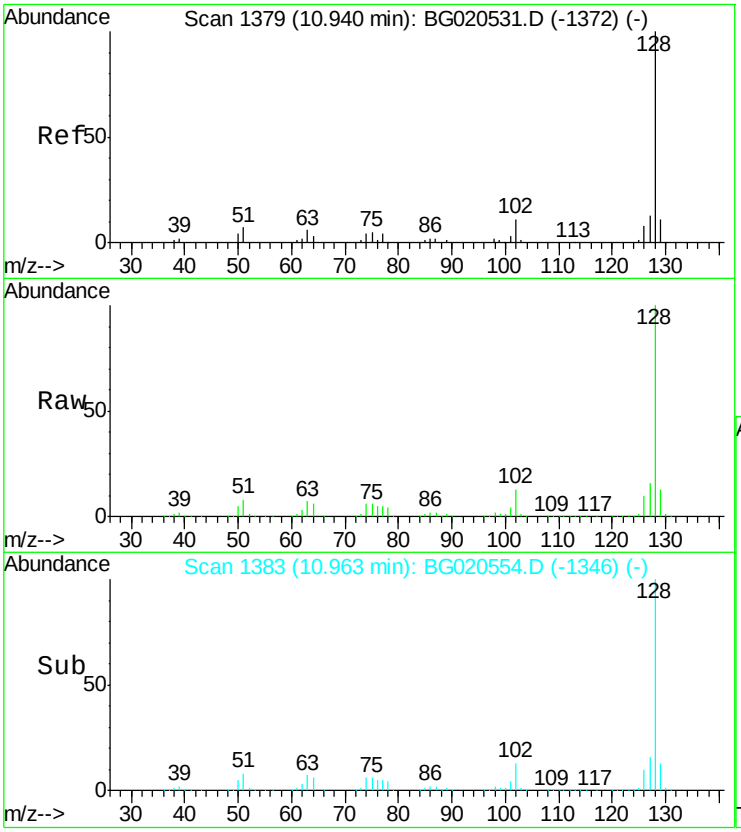
Response via : Initial Calibration



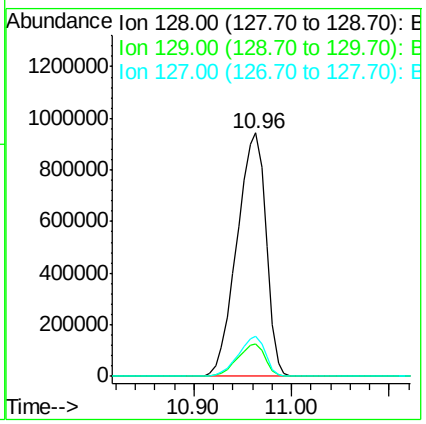


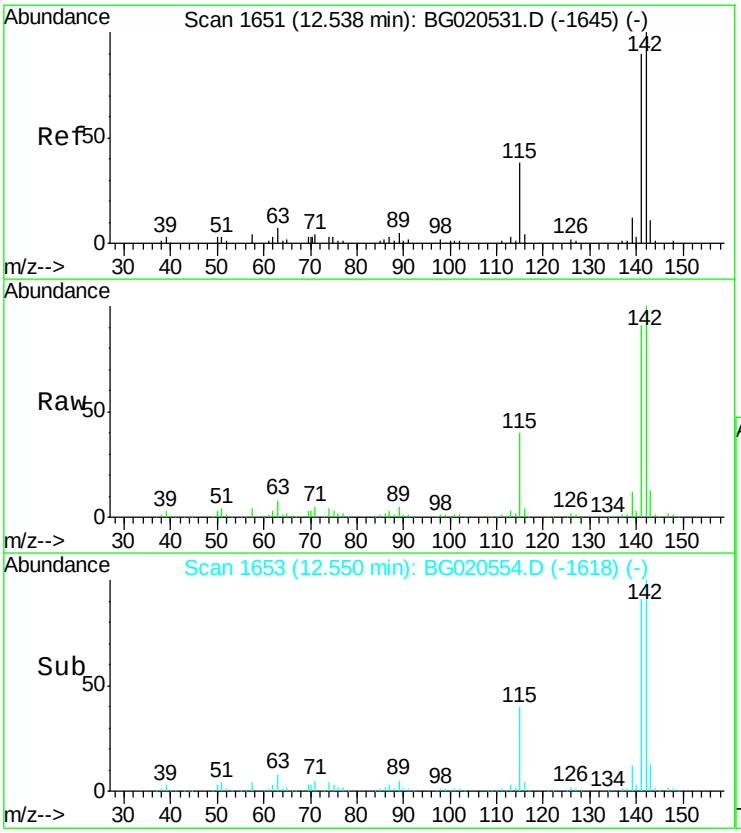
#28
Naphthalene
Concen: 448.49 ng/ul
RT: 10.96 min Scan# 1383
Delta R.T. 0.02 min
Lab File: BG020554.D
Acq: 27 Dec 2015 13:58

Instrument :
BNA_G
ClientSampleId :
D9N64

Tgt Ion:128 Resp: 1963826

Ion	Ratio	Lower	Upper
128	100		
129	13.4	8.6	12.8#
127	16.4	10.1	15.1#

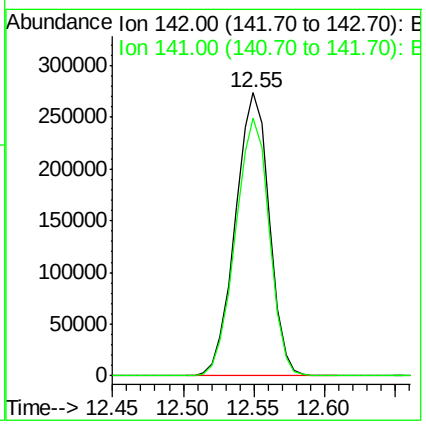


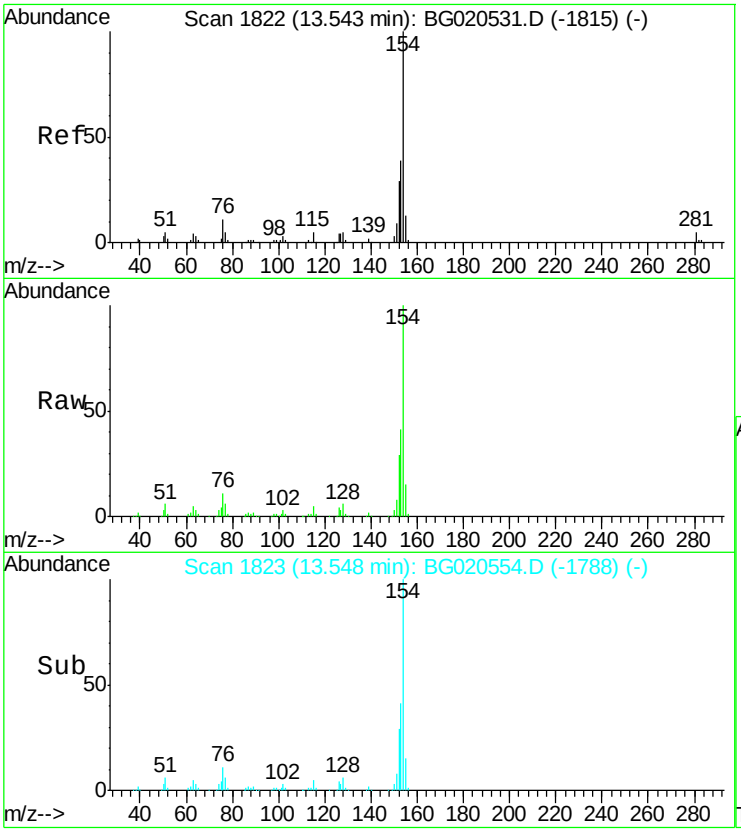


#34
2-Methylnaphthalene
Concen: 141.92 ng/ul
RT: 12.55 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BG020554.D
Acq: 27 Dec 2015 13:58

Tgt Ion:142 Resp: 459792

Ion	Ratio	Lower	Upper
142	100		
141	91.1	74.9	112.3



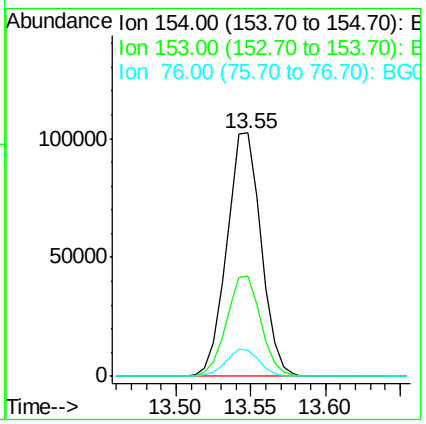


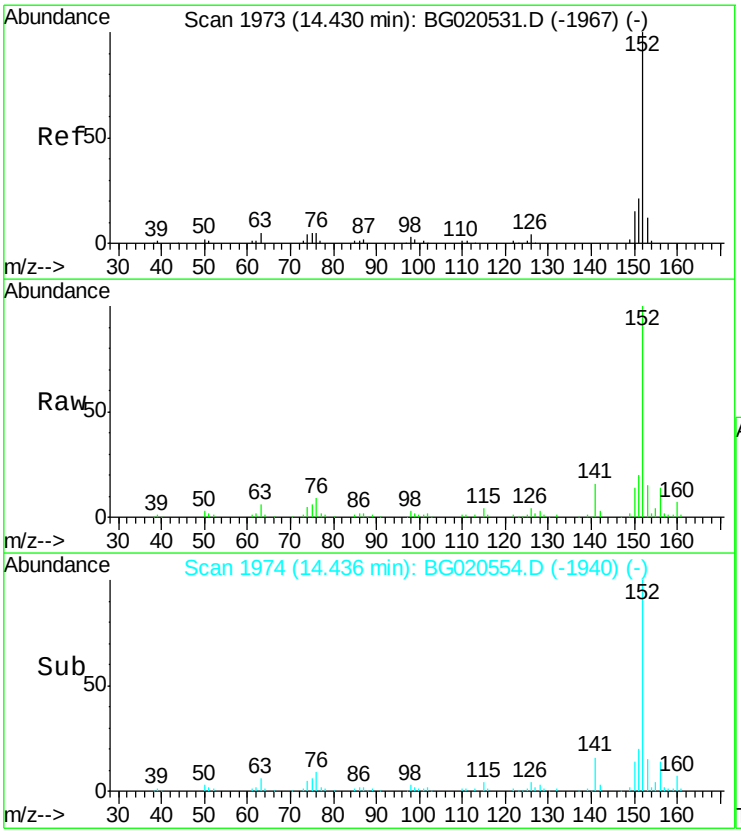
#41
1,1'-Biphenyl
Concen: 36.45 ng/ul
RT: 13.55 min Scan# 1823
Delta R.T. 0.00 min
Lab File: BG020554.D
Acq: 27 Dec 2015 13:58

Instrument :
BNA_G
ClientSampleId :
D9N64

Tgt Ion:154 Resp: 164376

Ion	Ratio	Lower	Upper
154	100		
153	41.0	35.5	53.3
76	10.7	10.4	15.6

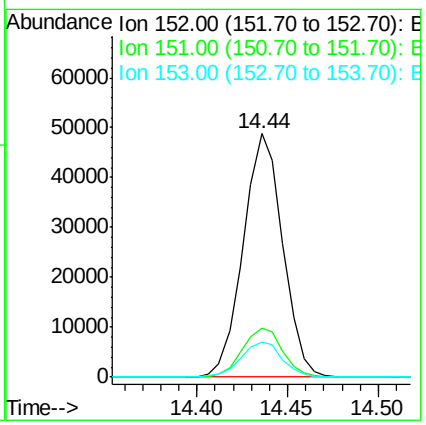


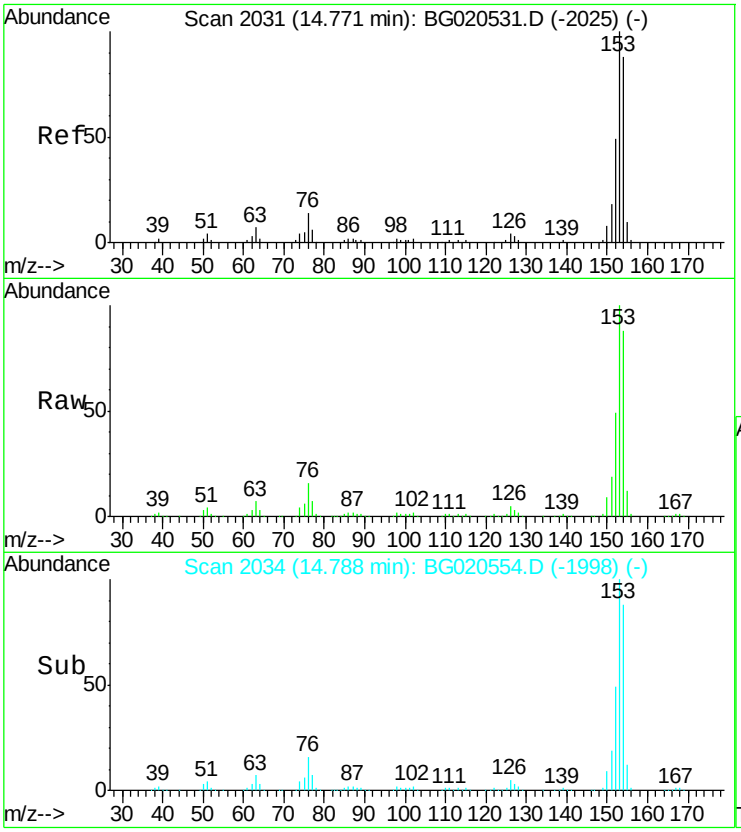


#48
Acenaphthylene
Concen: 12.58 ng/ul
RT: 14.44 min Scan# 1974
Delta R.T. -0.00 min
Lab File: BG020554.D
Acq: 27 Dec 2015 13:58

Tgt Ion:152 Resp: 73792

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.4	24.6
153	14.6	10.4	15.6



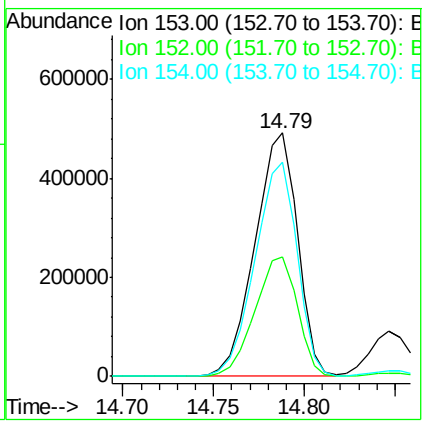


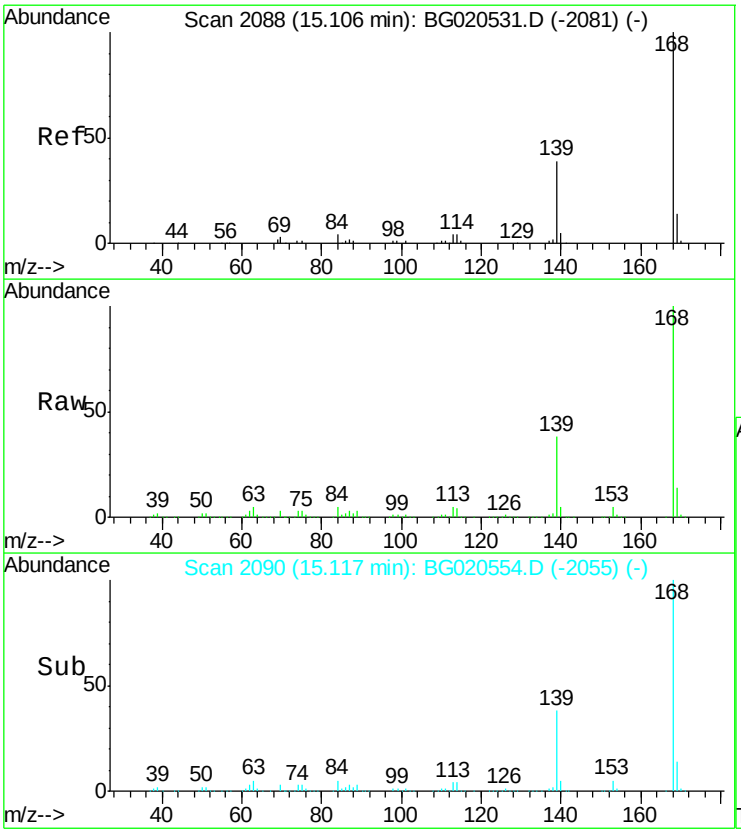
#50
Acenaphthene
Concen: 202.47 ng/ul
RT: 14.79 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BG020554.D
Acq: 27 Dec 2015 13:58

Instrument :
BNA_G
ClientSampleId :
D9N64

Tgt Ion:153 Resp: 802924

Ion	Ratio	Lower	Upper
153	100		
152	49.3	37.6	56.4
154	88.2	67.9	101.9

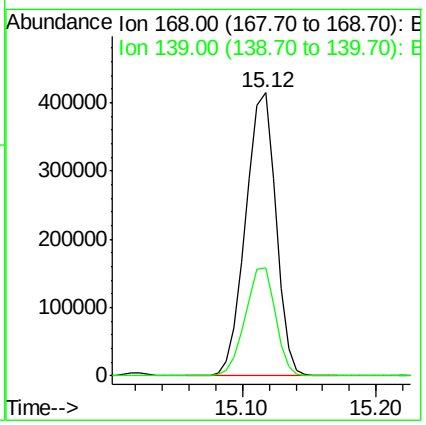


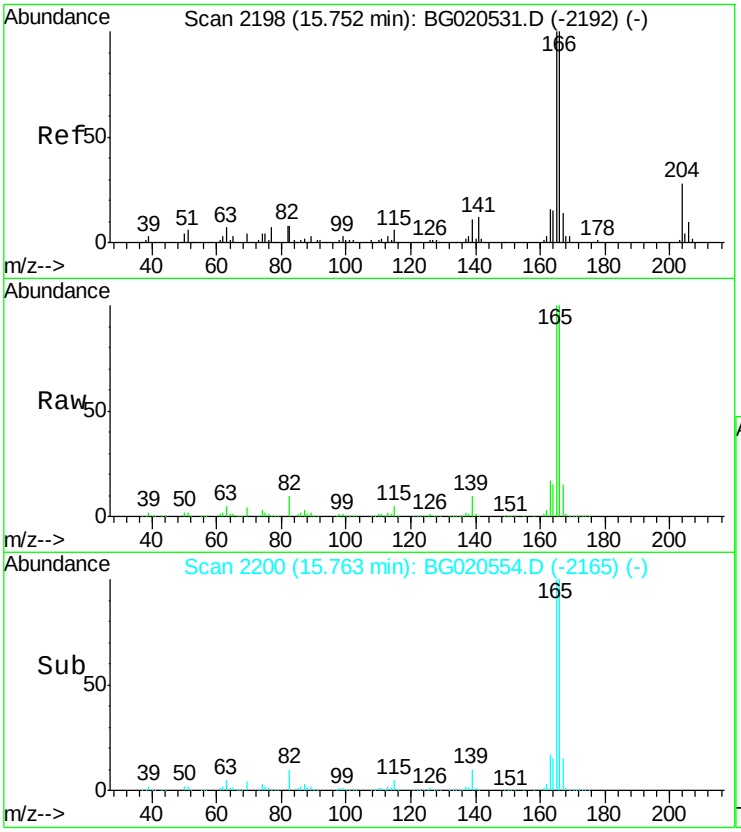


#54
Dibenzofuran
Concen: 109.57 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. 0.00 min
Lab File: BG020554.D
Acq: 27 Dec 2015 13:58

Tgt Ion:168 Resp: 646483

Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.5	45.7



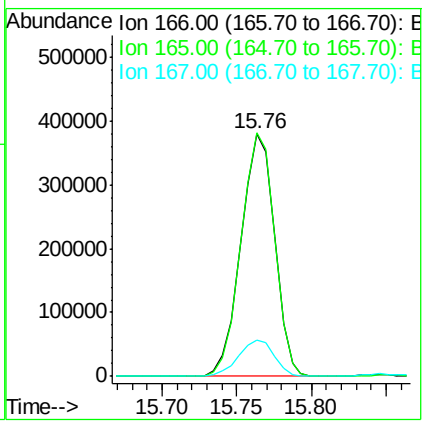


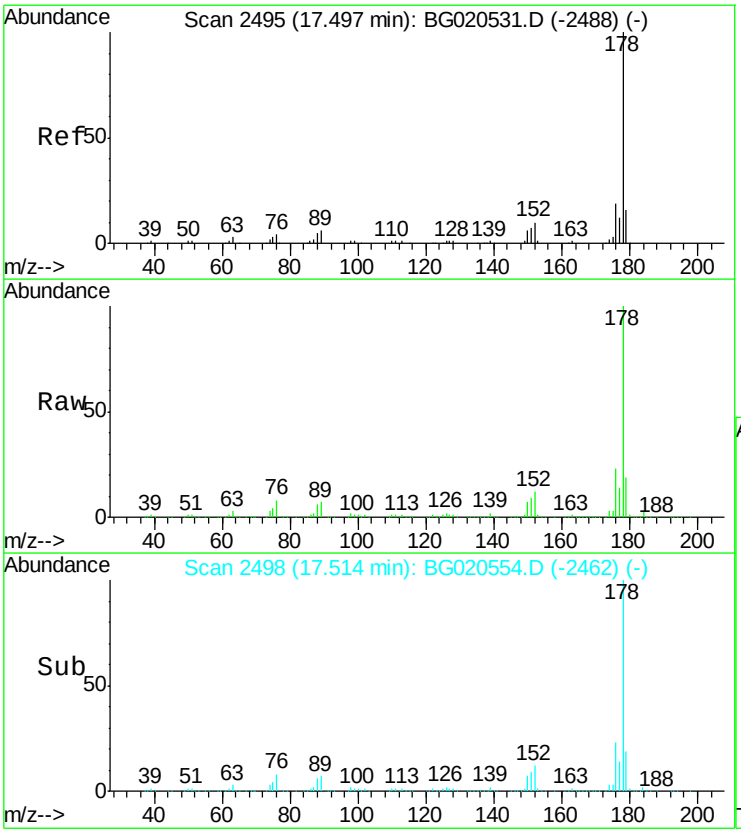
#59
Fluorene
Concen: 123.53 ng/ul
RT: 15.76 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BG020554.D
Acq: 27 Dec 2015 13:58

Instrument :
BNA_G
ClientSampleId :
D9N64

Tgt Ion:166 Resp: 590622

Ion	Ratio	Lower	Upper
166	100		
165	100.4	81.4	122.0
167	15.1	11.2	16.8

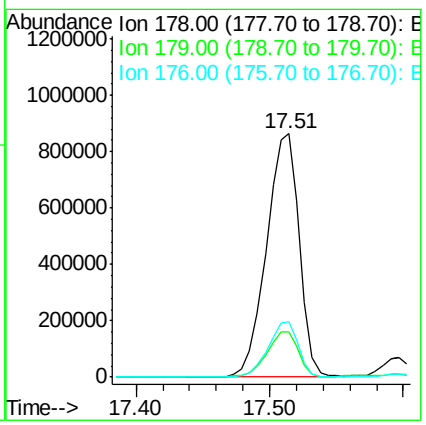


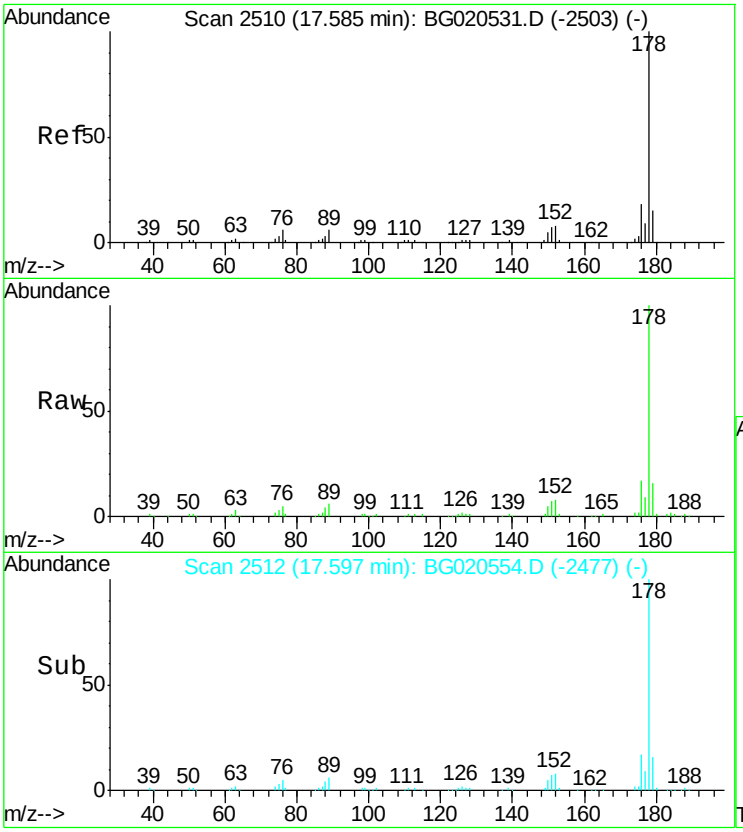


#70
Phenanthrene
Concen: 179.54 ng/ul
RT: 17.51 min Scan# 2498
Delta R.T. 0.01 min
Lab File: BG020554.D
Acq: 27 Dec 2015 13:58

Tgt Ion:178 Resp: 1470211

Ion	Ratio	Lower	Upper
178	100		
179	18.8	12.9	19.3
176	22.7	15.3	22.9



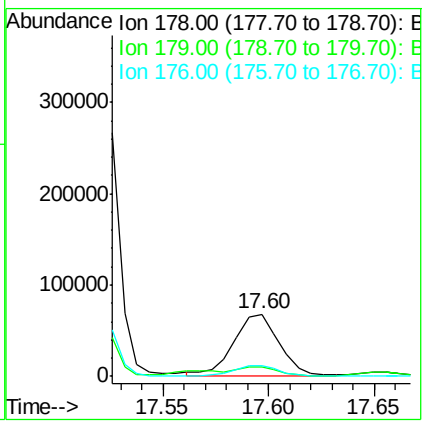


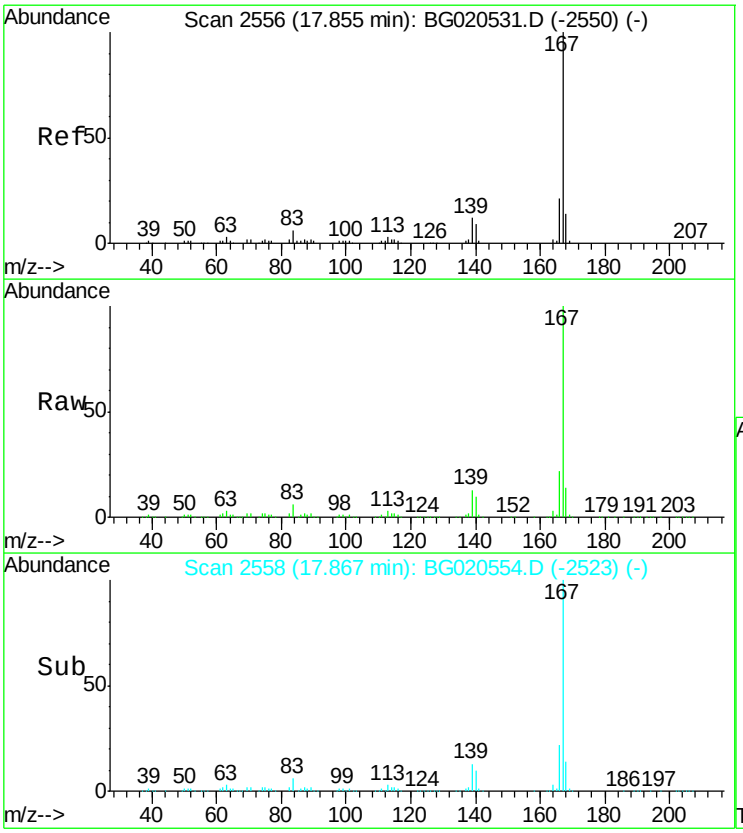
#72
Anthracene
Concen: 12.06 ng/ul
RT: 17.60 min Scan# 2512
Delta R.T. 0.00 min
Lab File: BG020554.D
Acq: 27 Dec 2015 13:58

Instrument :
BNA_G
ClientSampleId :
D9N64

Tgt Ion:178 Resp: 100958

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	17.4	14.3	21.5

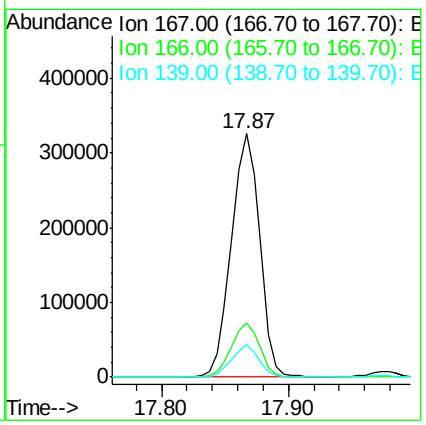


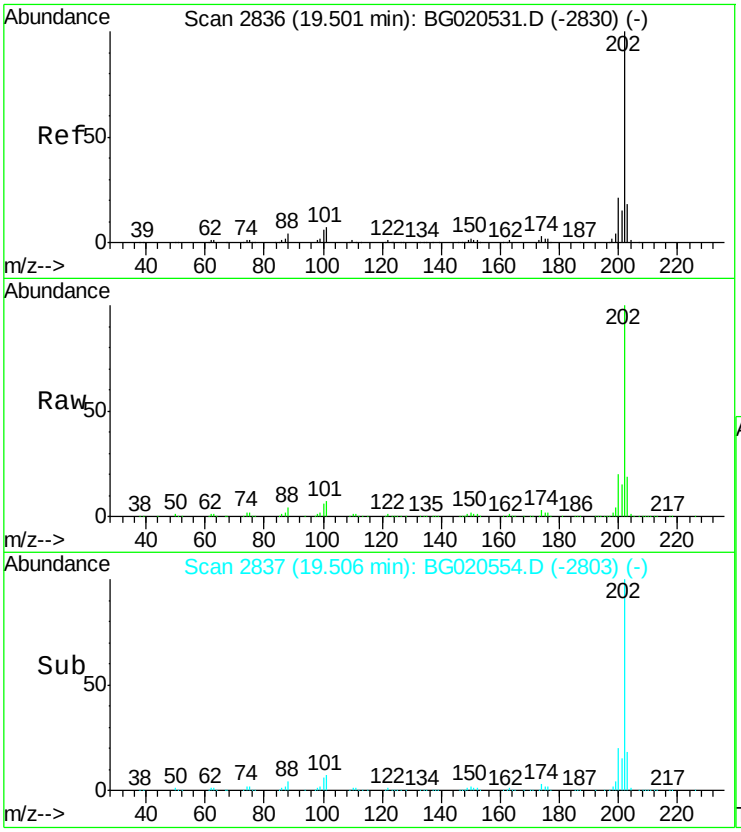


#75
Carbazole
Concen: 71.41 ng/ul
RT: 17.87 min Scan# 2558
Delta R.T. 0.00 min
Lab File: BG020554.D
Acq: 27 Dec 2015 13:58

Tgt Ion:167 Resp: 503943

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.0	25.6
139	13.1	10.1	15.1



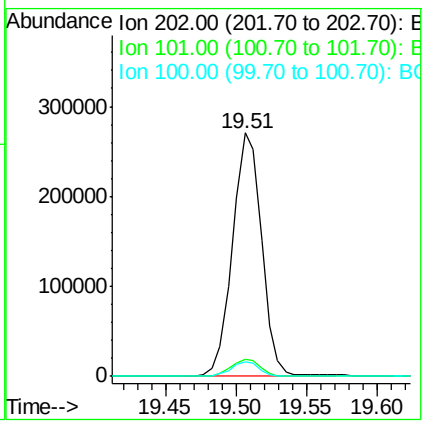


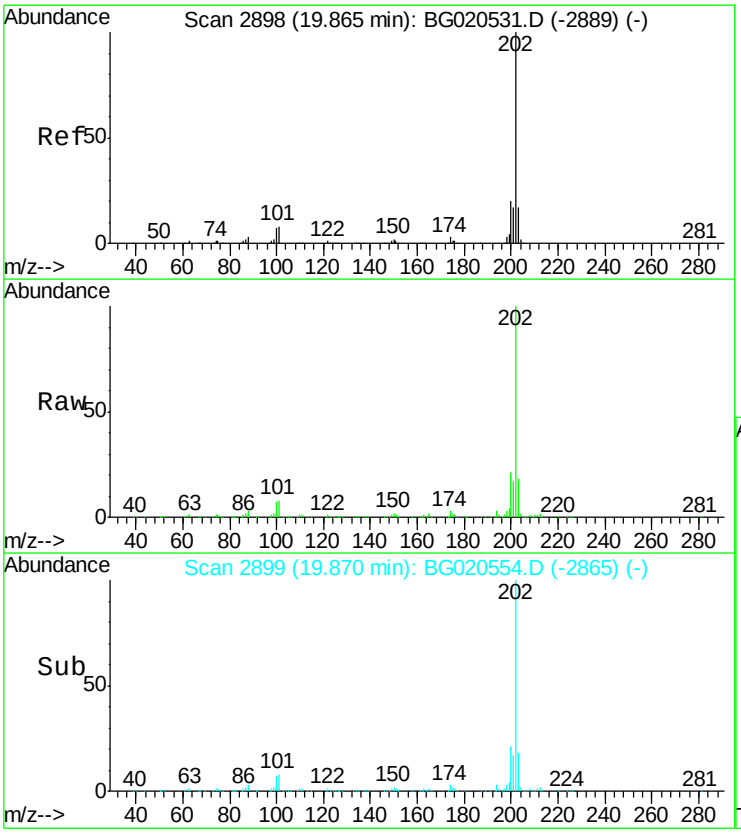
#77
Fluoranthene
Concen: 37.69 ng/ul
RT: 19.51 min Scan# 2837
Delta R.T. -0.00 min
Lab File: BG020554.D
Acq: 27 Dec 2015 13:58

Instrument :
BNA_G
ClientSampleId :
D9N64

Tgt Ion:202 Resp: 388151

Ion	Ratio	Lower	Upper
202	100		
101	7.1	6.2	9.4
100	6.1	5.1	7.7

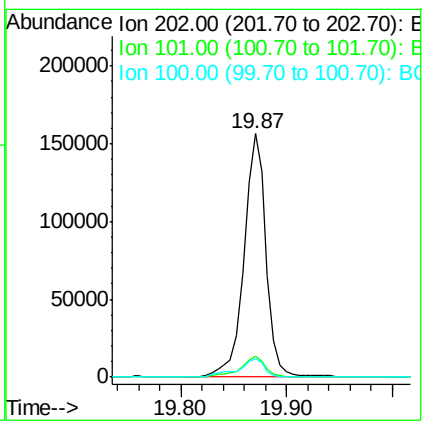


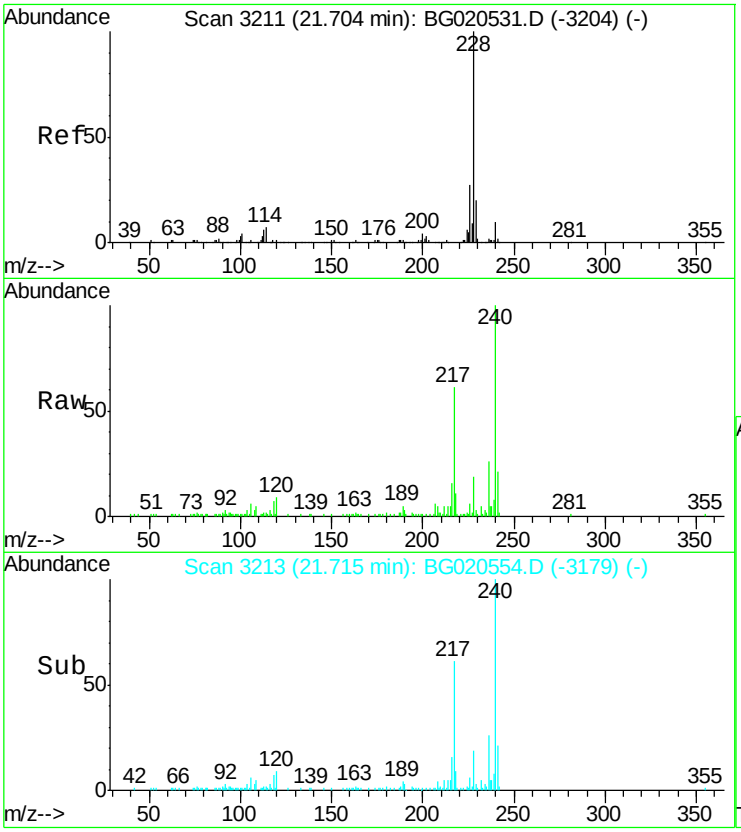


#80
Pyrene
Concen: 22.23 ng/ul
RT: 19.87 min Scan# 2899
Delta R.T. -0.00 min
Lab File: BG020554.D
Acq: 27 Dec 2015 13:58

Tgt Ion:202 Resp: 224745

Ion	Ratio	Lower	Upper
202	100		
101	8.3	7.0	10.4
100	7.3	6.4	9.6





#83
Benzo(a)anthracene
Concen: 1.03 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. -0.00 min
Lab File: BG020554.D
Acq: 27 Dec 2015 13:58

Instrument :
BNA_G
ClientSampleId :
D9N64

Tgt Ion:228 Resp: 10795

Ion	Ratio	Lower	Upper
228	100		
229	18.0	15.8	23.8
226	31.6	21.8	32.6