Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020366.D
Acq On : 21 Dec 2015 6:25
Operator : UM/SJ
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

Quant Time: Dec 21 07:49:48 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 07:46:34 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	23529	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	101854	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	69655	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	156408	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	199168	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	191400	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	1319	3.10	ng/uL	0.00
5) Phenol-d5	7.25	99	39103	18.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	25110	20.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	31981	21.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	34310	19.34	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	18601	23.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	20835	23.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.54	165	36903	20.62	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	43763	21.77	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	125364	22.25	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	149885	22.86	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	15945	15.78	ng/ul	0.00
58) Fluorene-d10	15.72	176	113257	22.16	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.85	200	13630	14.70	ng/ul	0.02
71) Anthracene-d10	17.58	188	169355	23.50	ng/ul	0.00
79) Pyrene-d10	19.85	212	204777	22.06	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	230890	24.19	ng/ul	0.00
Target Compounds						Qvalue
17) Hexachloroethane	9.20	117	669	1.01	ng/ul#	1
28) Naphthalene	10.98	128	2335263	439.04	ng/ul#	88
30) 4-Chloroaniline	10.98	127	376169	183.31	ng/ul#	11
34) 2-Methylnaphthalene	12.57	142	749587	184.50	ng/ul	95
35) 1-Methylnaphthalene	12.78	142	373634	95.66	ng/ul#	97
41) 1,1'-Biphenyl	13.56	154	334405	63.64	ng/ul	96
43) 2-Nitroaniline	13.76	65	1581	1.11	ng/ul#	25
45) Dimethylphthalate	14.17	163	53658	9.32	ng/ul	97
48) Acenaphthylene	14.45	152	68654	9.86	ng/ul#	94
50) Acenaphthene	14.80	153	1264058	269.77	ng/ul	95
53) 4-Nitrophenol	14.80	109	2592	2.67	ng/ul#	1
54) Dibenzofuran	15.13	168	1251120	179.49	ng/ul	92
55) 2,4-Dinitrotoluene	15.07	165	1877	1.07	ng/ul#	40
59) Fluorene	15.78	166	1086924	194.18	ng/ul	99
61) 4-Nitroaniline	15.78	138	14514	11.62	ng/ul#	13
65) N-Nitrosodiphenylamine	15.98	169	6480	1.49	ng/ul#	1
70) Phenanthrene	17.62	178	412045	48.16	ng/ul	100
72) Anthracene	17.62	178	412045	47.49	ng/ul	98
75) Carbazole	17.87	167	227442	31.19	ng/ul	99
80) Pyrene	19.90	202	1956952	162.34	ng/ul#	93
83) Benzo(a)anthracene	21.73	228	566031	48.71	ng/ul	97
85) Chrysene	21.79	228	456463	41.70	ng/ul	98
88) Benzo(b)fluoranthene	23.97	252	277693	24.11	ng/ul	96

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020366.D
Acq On : 21 Dec 2015 6:25
Operator : UM/SJ
Sample : G4848-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N60

Quant Time: Dec 21 07:49:48 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 07:46:34 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(k)fluoranthene	23.97	252	277693	25.12	ng/ul	99
91) Benzo(a)pyrene	24.87	252	159928	14.65	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	28.74	276	41973	3.23	ng/ul	95
94) Benzo(g,h,i)perylene	29.91	276	34477	3.23	ng/ul	94

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
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Acq On : 21 Dec 2015 6:25
Operator : UM/SJ
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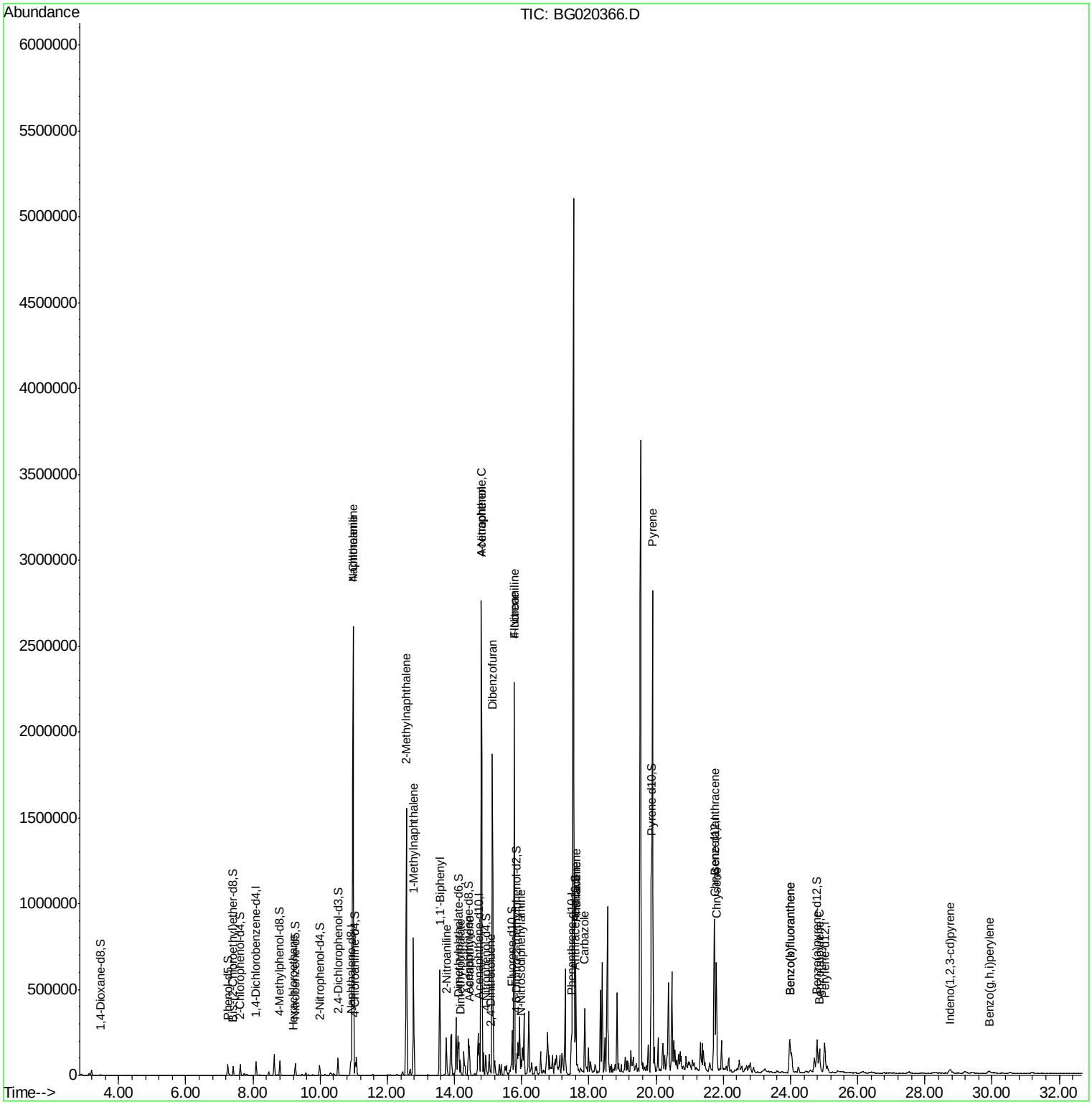
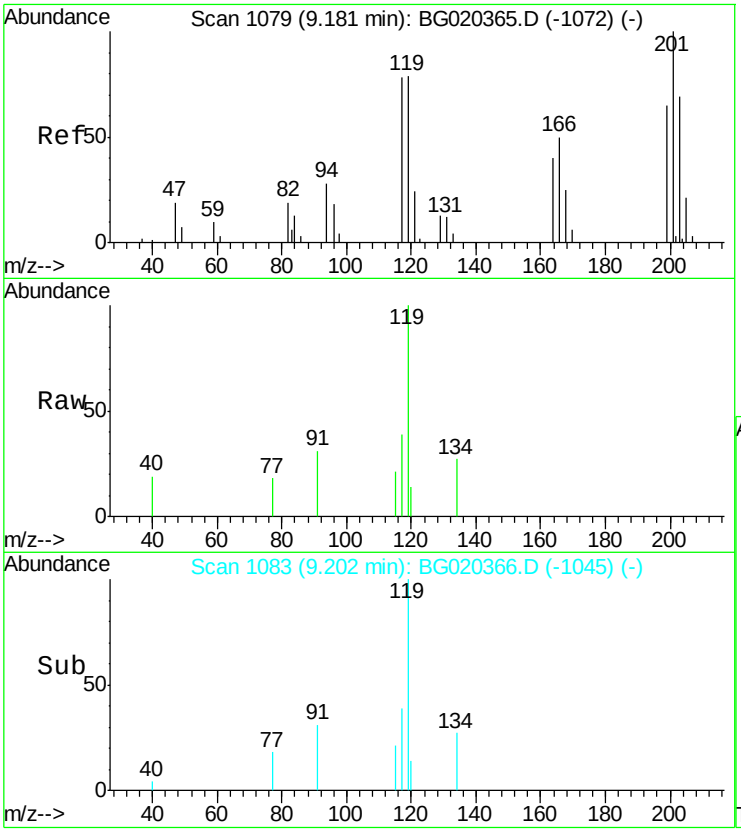
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 07:46:34 2015
Response via : Initial Calibration



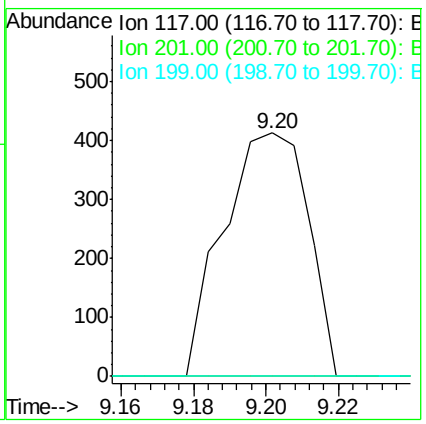


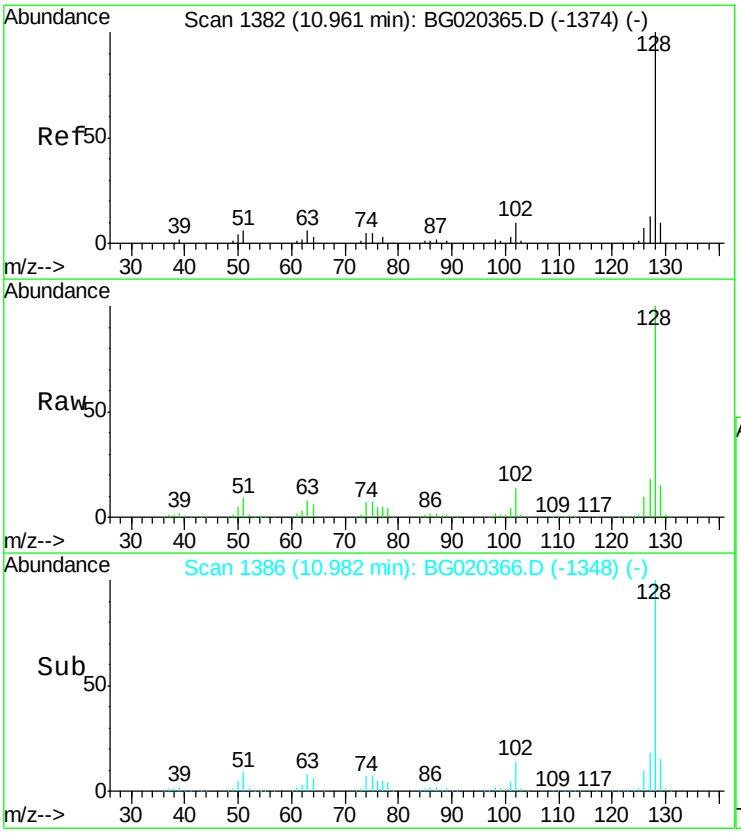
#17
Hexachloroethane
Concen: 1.01 ng/ul
RT: 9.20 min Scan# 1083
Delta R.T. 0.02 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Instrument :
BNA_G
ClientSampleId :
D9N60

Tgt Ion:117 Resp: 669

Ion	Ratio	Lower	Upper
117	100		
201	0.0	102.7	154.1#
199	0.0	65.8	98.8#

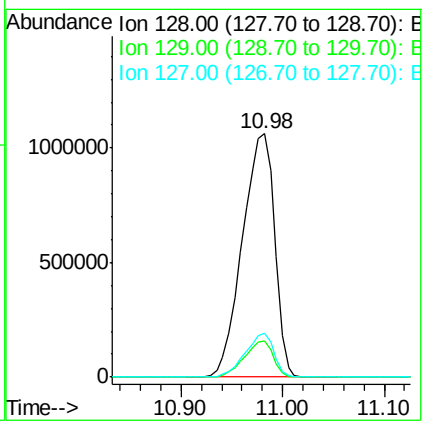


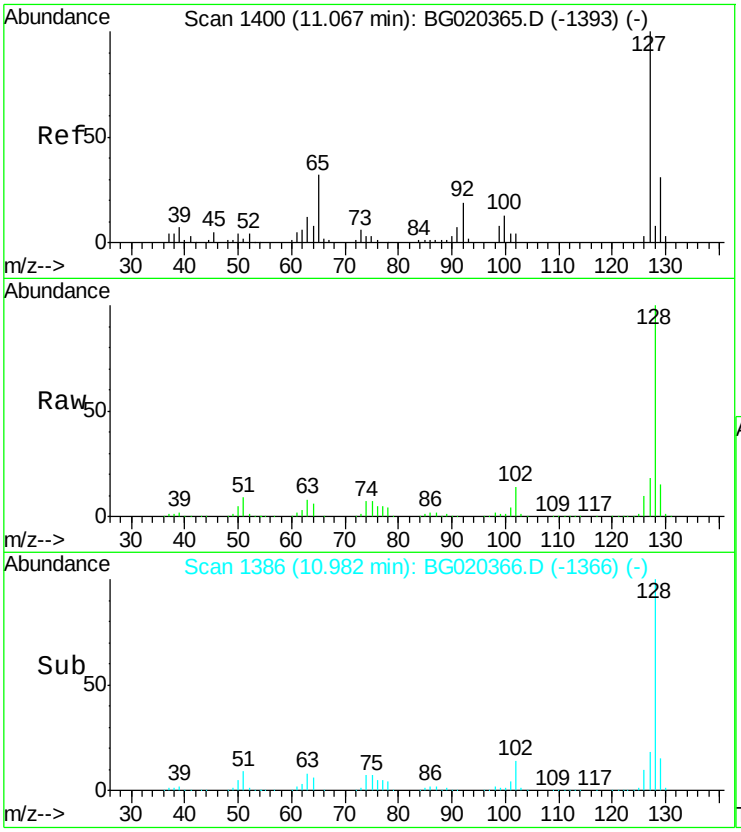


#28
Naphthalene
Concen: 439.04 ng/ul
RT: 10.98 min Scan# 1386
Delta R.T. 0.02 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Tgt Ion:128 Resp: 2335263

Ion	Ratio	Lower	Upper
128	100		
129	14.7	8.6	12.8#
127	17.9	10.1	15.1#



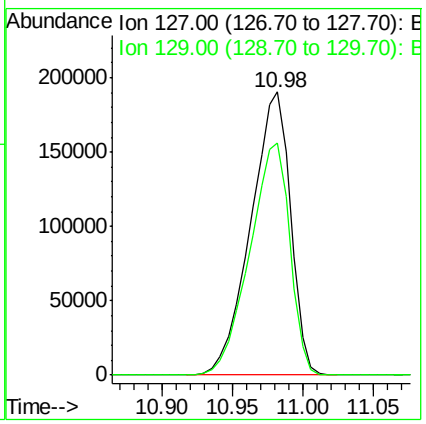


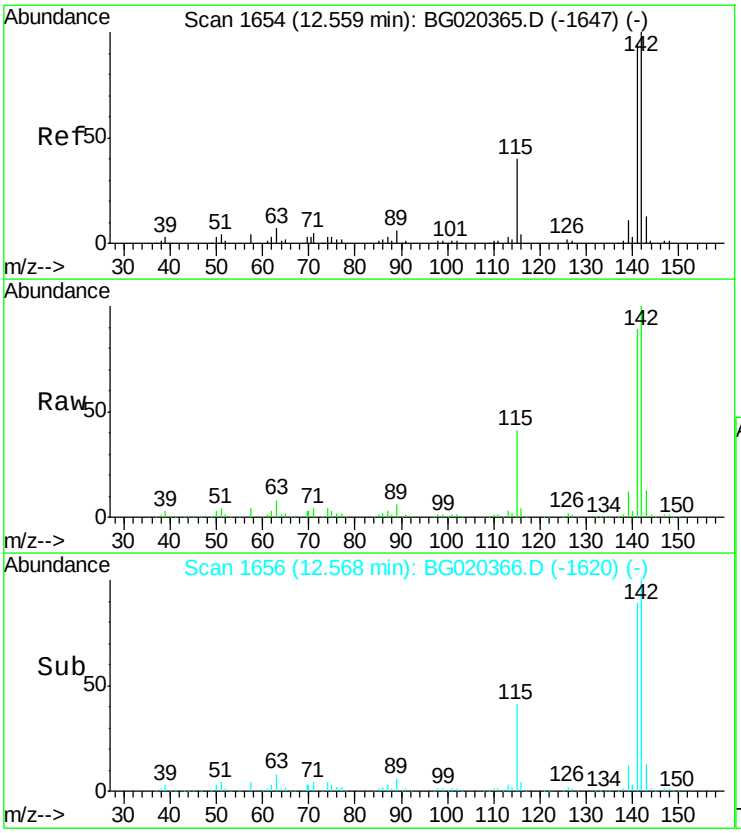
#30
4-Chloroaniline
Concen: 183.31 ng/ul
RT: 10.98 min Scan# 1386
Delta R.T. -0.08 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Instrument :
BNA_G
ClientSampleId :
D9N60

Tgt Ion:127 Resp: 376169

Ion	Ratio	Lower	Upper
127	100		
129	82.0	25.7	38.5#

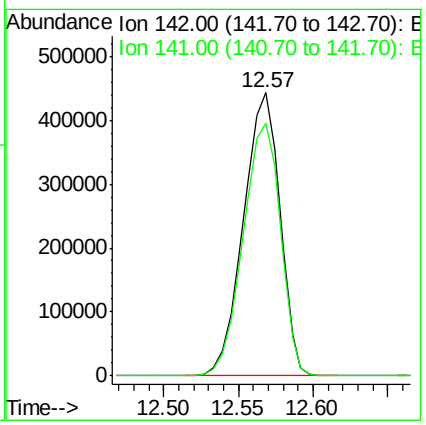


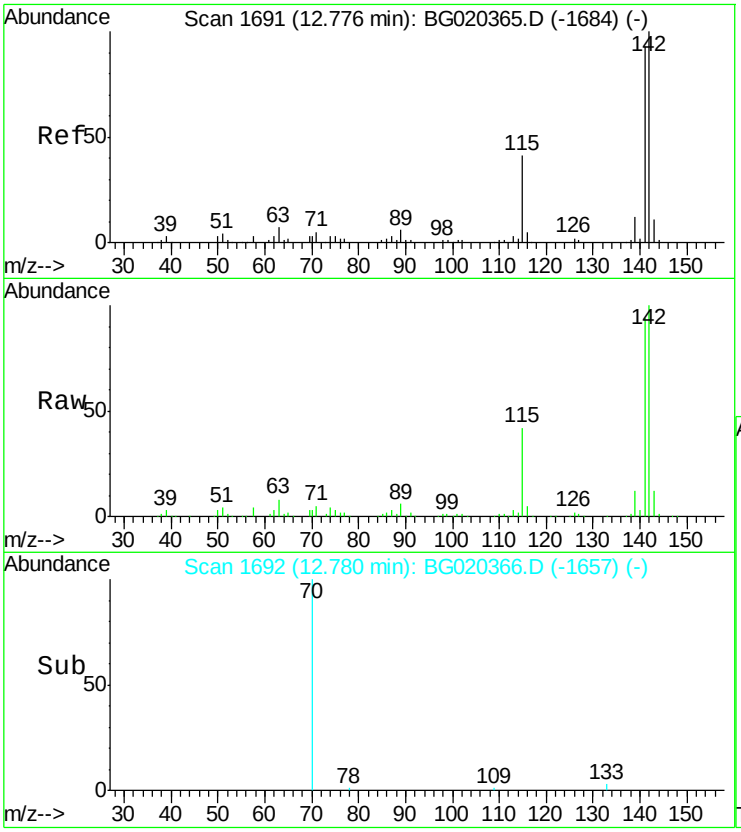


#34
2-Methylnaphthalene
Concen: 184.50 ng/ul
RT: 12.57 min Scan# 1656
Delta R.T. 0.01 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Tgt Ion:142 Resp: 749587

Ion	Ratio	Lower	Upper
142	100		
141	89.3	74.9	112.3



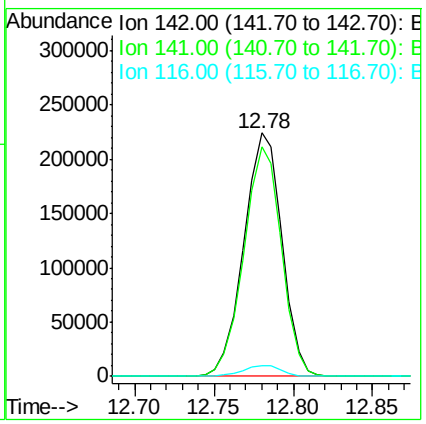


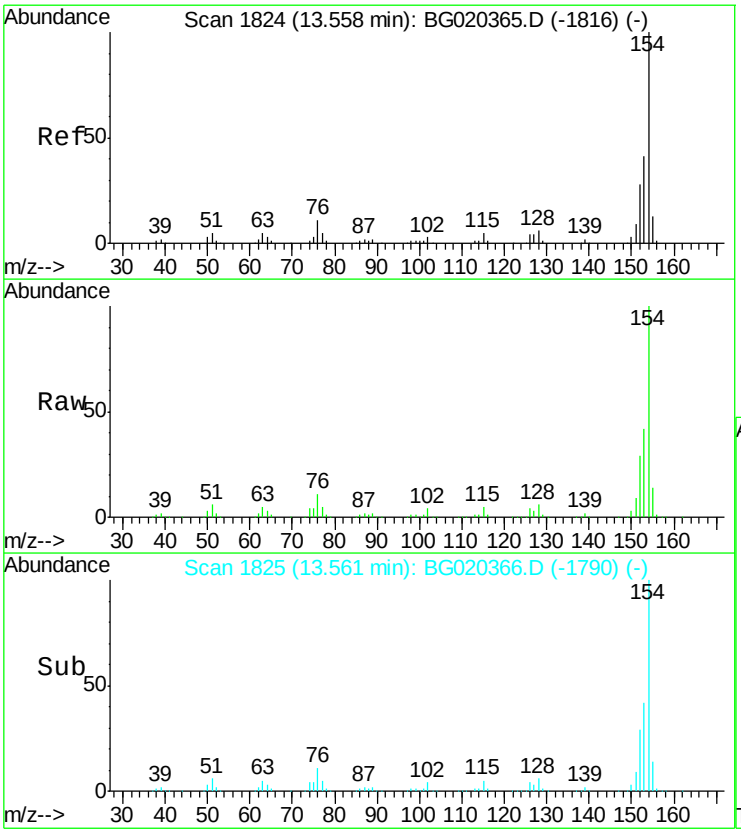
#35
1-Methylnaphthalene
Concen: 95.66 ng/ul
RT: 12.78 min Scan# 1692
Delta R.T. 0.00 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Instrument :
BNA_G
ClientSampleId :
D9N60

Tgt Ion:142 Resp: 373634

Ion	Ratio	Lower	Upper
142	100		
141	94.0	73.0	109.6
116	4.6	3.0	4.6#

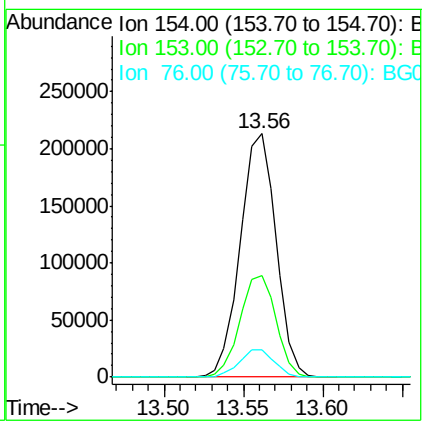


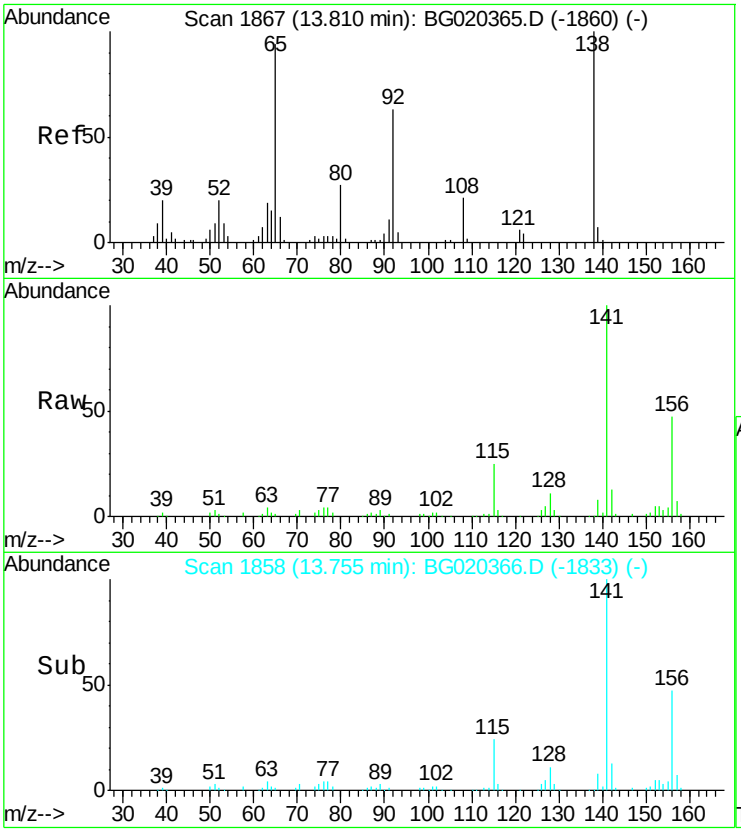


#41
1,1'-Biphenyl
Concen: 63.64 ng/ul
RT: 13.56 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Tgt Ion:154 Resp: 334405

Ion	Ratio	Lower	Upper
154	100		
153	41.5	35.5	53.3
76	11.4	10.4	15.6



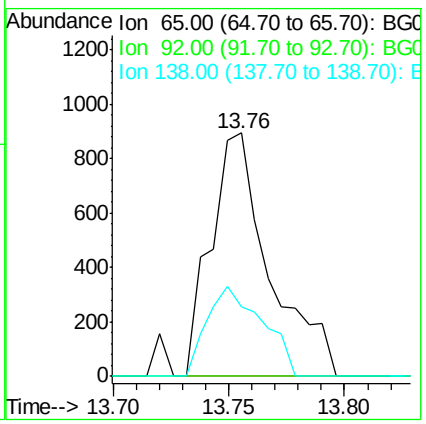


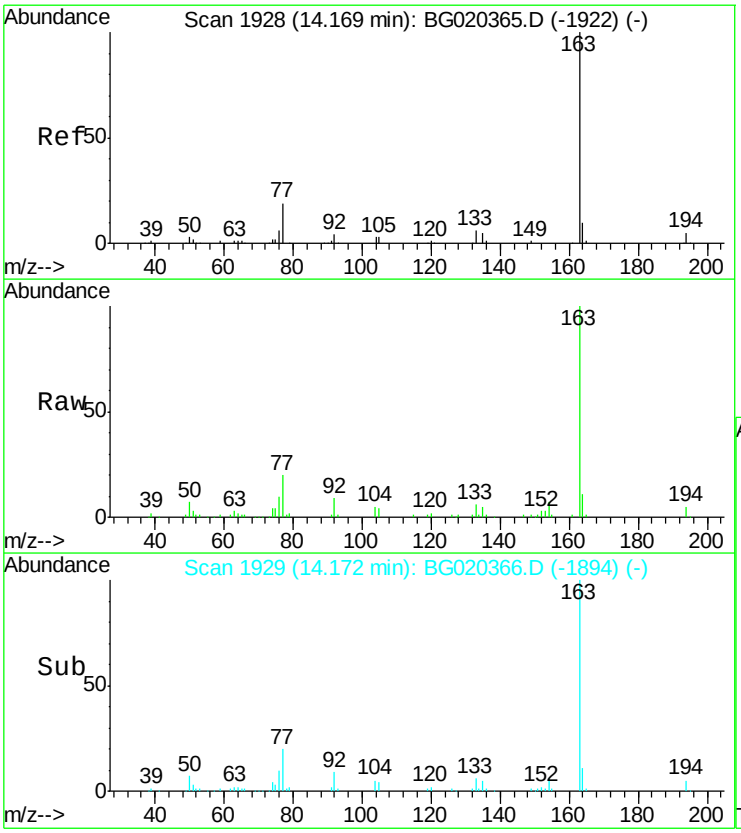
#43
2-Nitroaniline
Concen: 1.11 ng/ul
RT: 13.76 min Scan# 1858
Delta R.T. -0.06 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Instrument :
BNA_G
ClientSampleId :
D9N60

Tgt Ion: 65 Resp: 1581

Ion	Ratio	Lower	Upper
65	100		
92	0.0	53.1	79.7#
138	28.5	76.6	114.8#

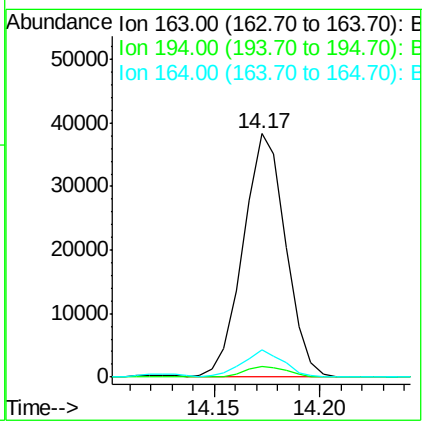


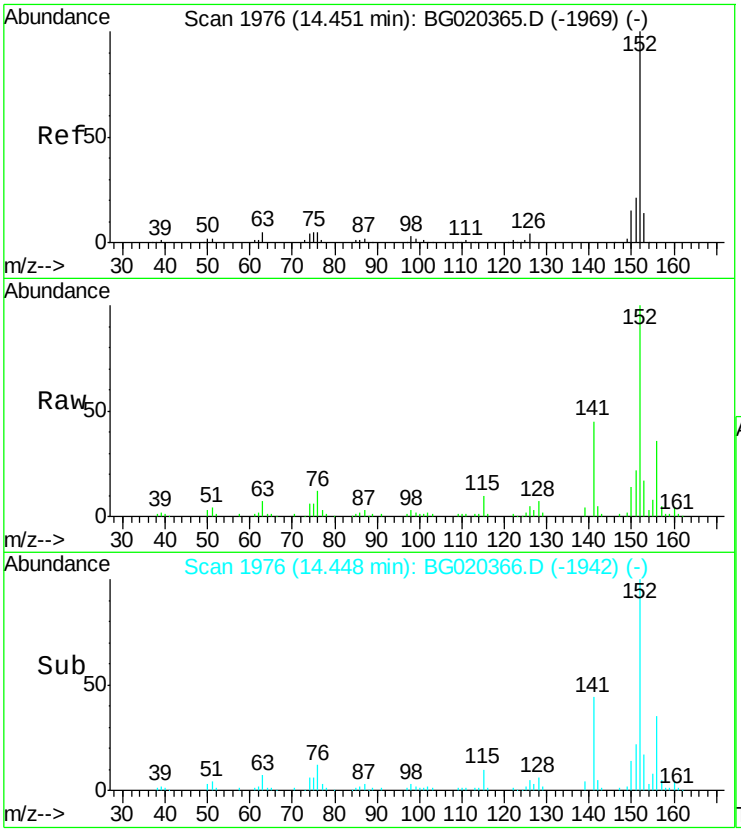


#45
Dimethylphthalate
Concen: 9.32 ng/ul
RT: 14.17 min Scan# 1929
Delta R.T. 0.00 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Tgt Ion:163 Resp: 53658

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	11.1	7.7	11.5



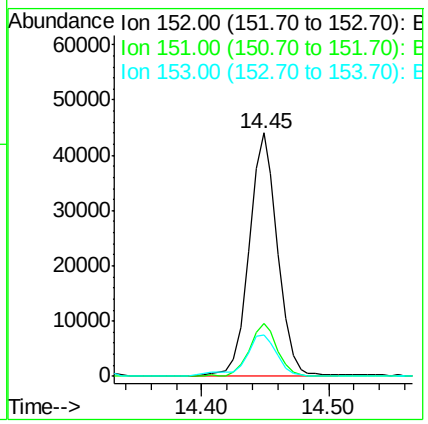


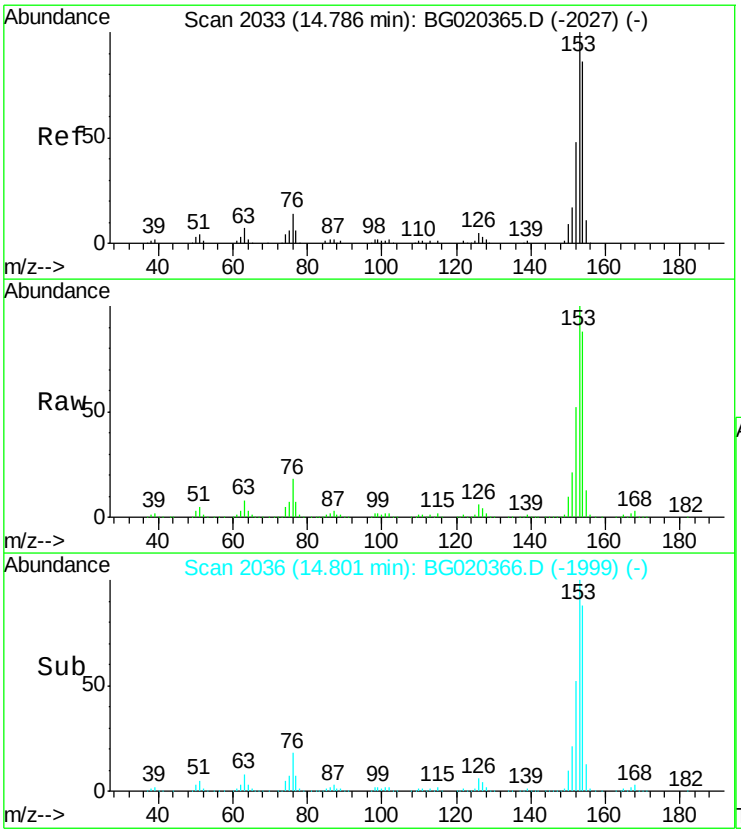
#48
Acenaphthylene
Concen: 9.86 ng/ul
RT: 14.45 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Instrument :
BNA_G
ClientSampleId :
D9N60

Tgt Ion:152 Resp: 68654

Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.4	24.6
153	17.2	10.4	15.6#

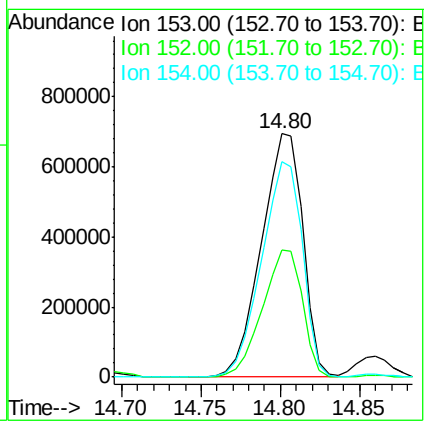


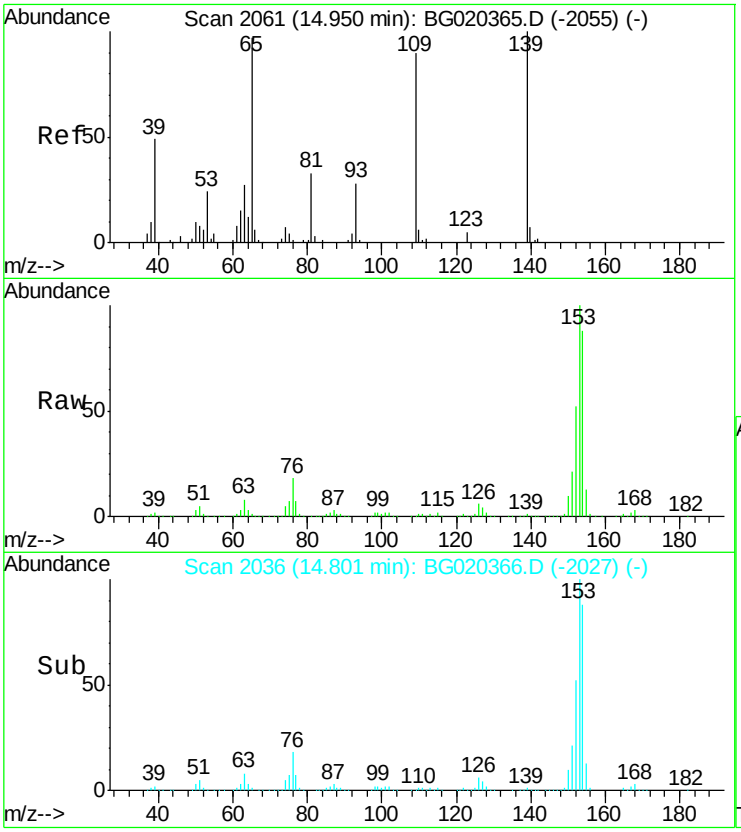


#50
Acenaphthene
Concen: 269.77 ng/ul
RT: 14.80 min Scan# 2036
Delta R.T. 0.02 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Tgt Ion:153 Resp: 1264058

Ion	Ratio	Lower	Upper
153	100		
152	52.0	37.6	56.4
154	88.4	67.9	101.9



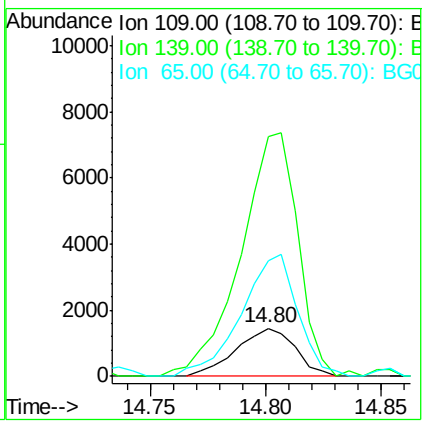


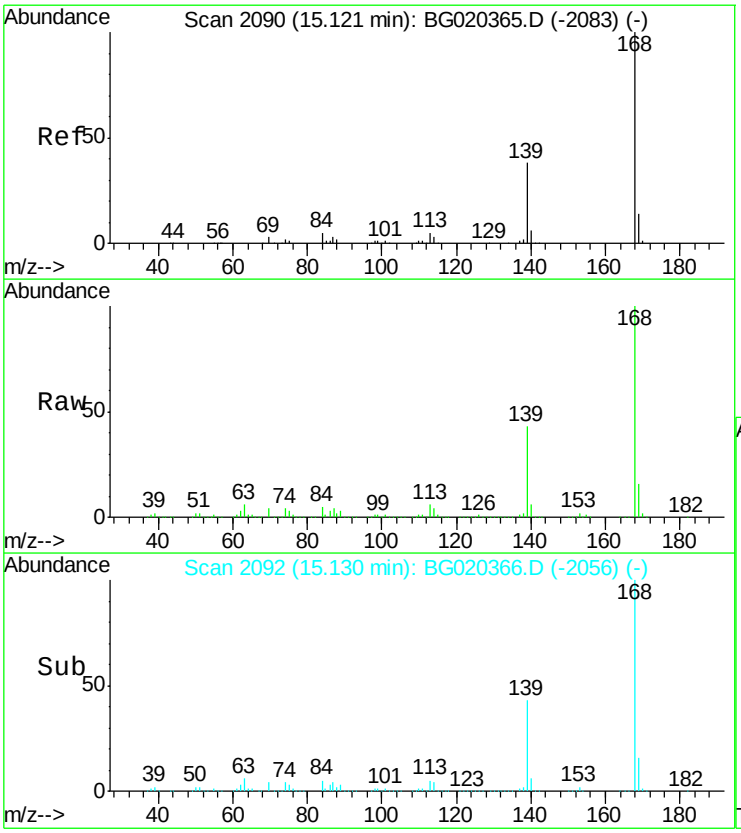
#53
4-Nitrophenol
Concen: 2.67 ng/ul
RT: 14.80 min Scan# 2036
Delta R.T. -0.15 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Instrument :
BNA_G
ClientSampleId :
D9N60

Tgt Ion:109 Resp: 2592

Ion	Ratio	Lower	Upper
109	100		
139	497.1	80.5	120.7#
65	238.9	93.4	140.2#

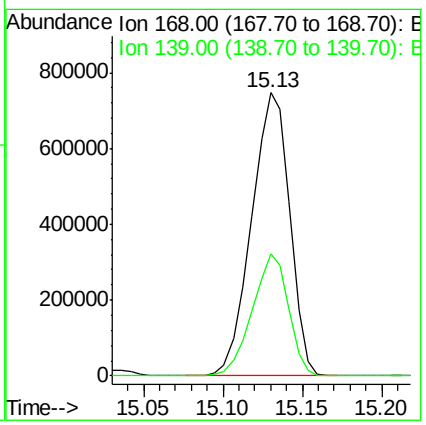


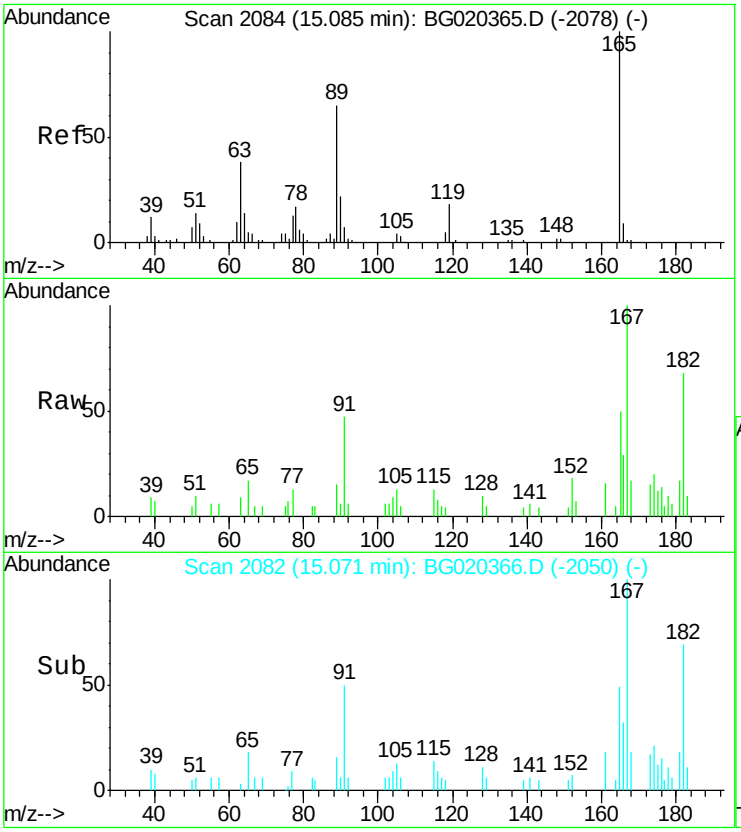


#54
Dibenzofuran
Concen: 179.49 ng/ul
RT: 15.13 min Scan# 2092
Delta R.T. 0.01 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Tgt Ion:168 Resp: 1251120

Ion	Ratio	Lower	Upper
168	100		
139	43.1	30.5	45.7



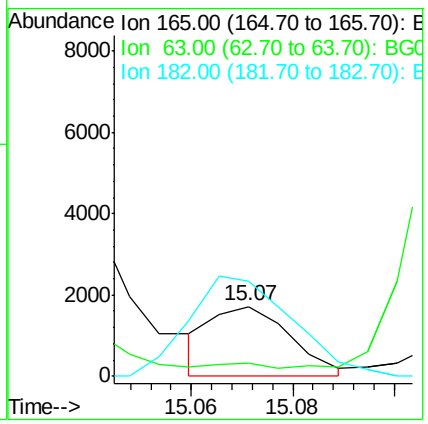


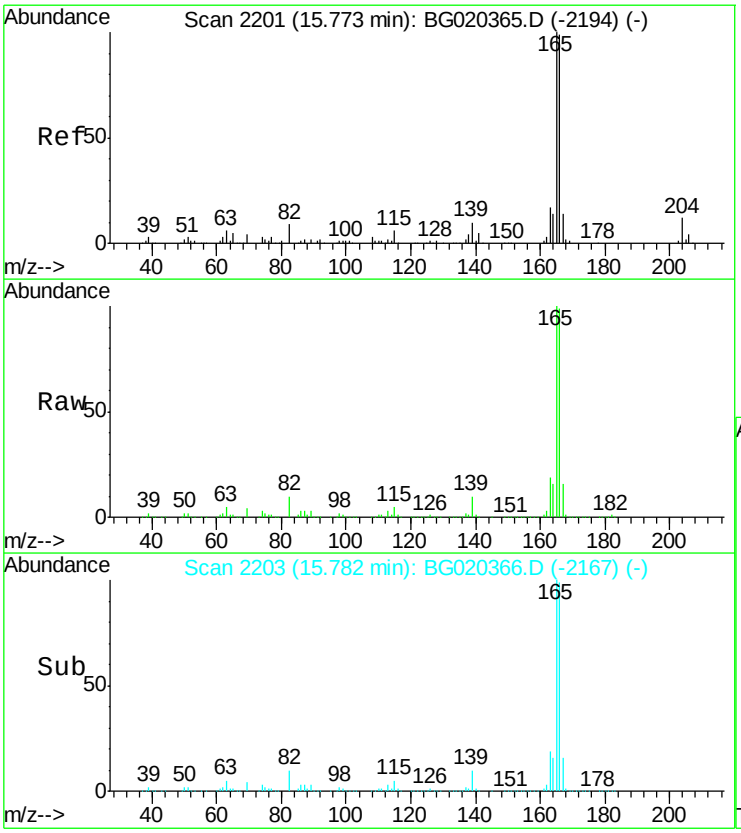
#55
2,4-Dinitrotoluene
Concen: 1.07 ng/ul
RT: 15.07 min Scan# 2082
Delta R.T. -0.01 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Instrument :
BNA_G
ClientSampleId :
D9N60

Tgt Ion:165 Resp: 1877

Ion	Ratio	Lower	Upper
165	100		
63	18.9	35.8	53.8#
182	135.8	2.2	3.2#

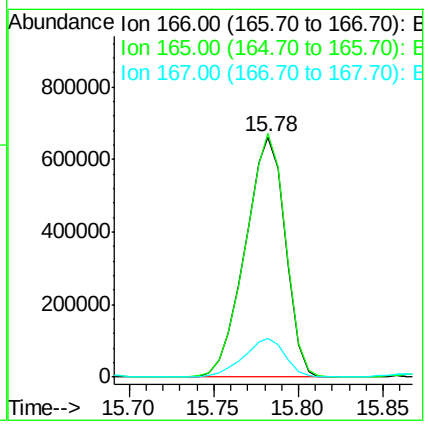


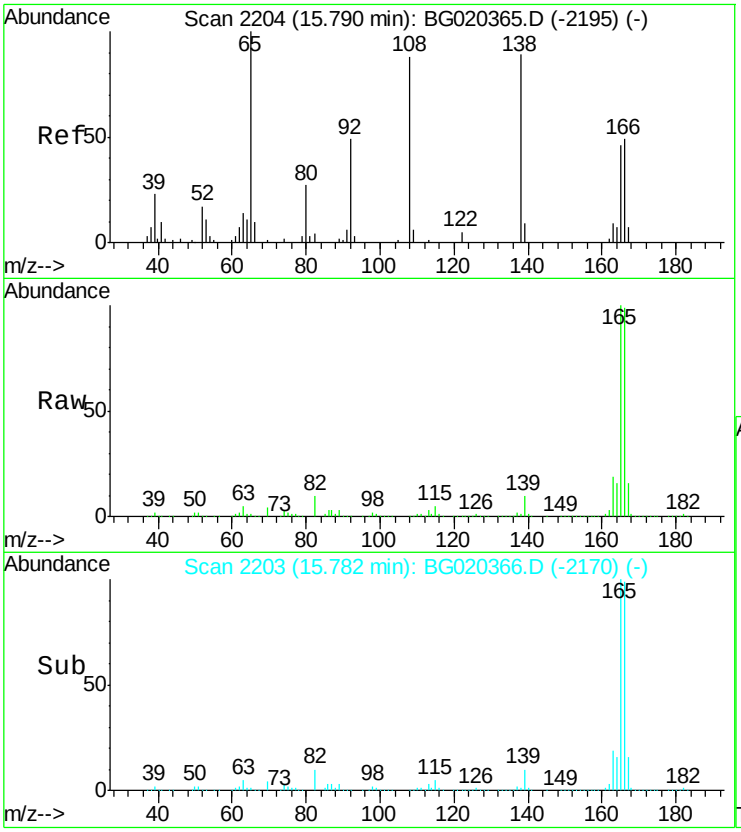


#59
Fluorene
Concen: 194.18 ng/ul
RT: 15.78 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Tgt Ion:166 Resp: 1086924

Ion	Ratio	Lower	Upper
166	100		
165	101.5	81.4	122.0
167	16.4	11.2	16.8



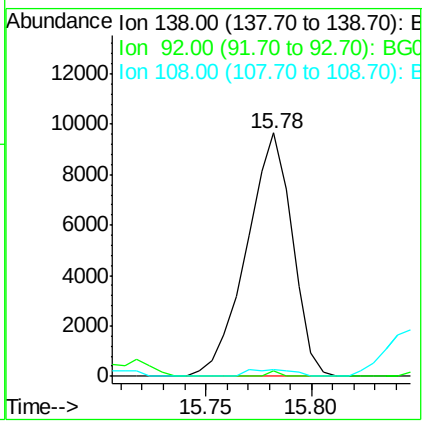


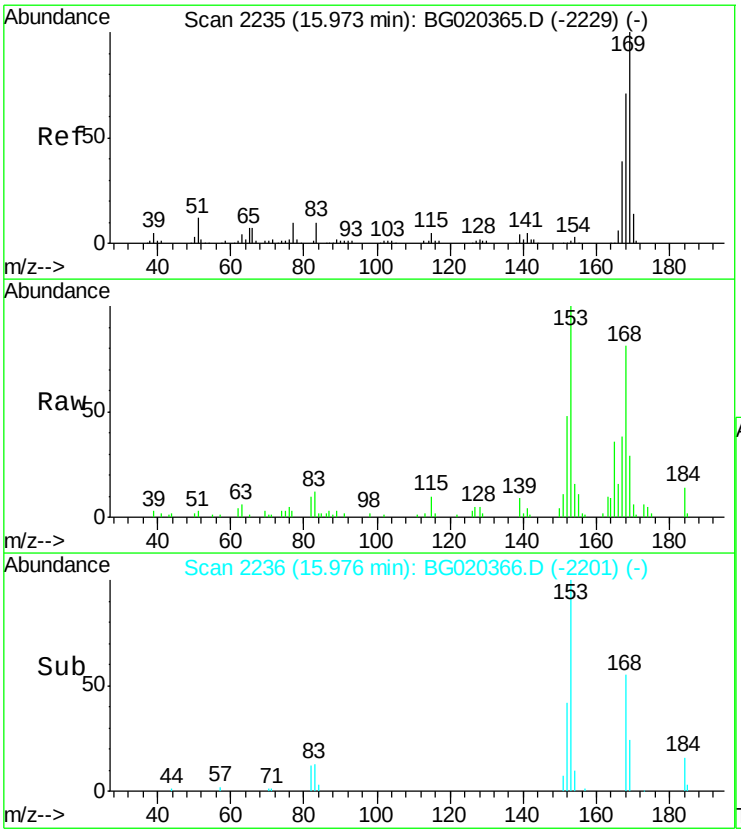
#61
4-Nitroaniline
Concen: 11.62 ng/ul
RT: 15.78 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Instrument :
BNA_G
ClientSampleId :
D9N60

Tgt Ion:138 Resp: 14514

Ion	Ratio	Lower	Upper
138	100		
92	2.2	45.2	67.8#
108	2.6	75.4	113.0#

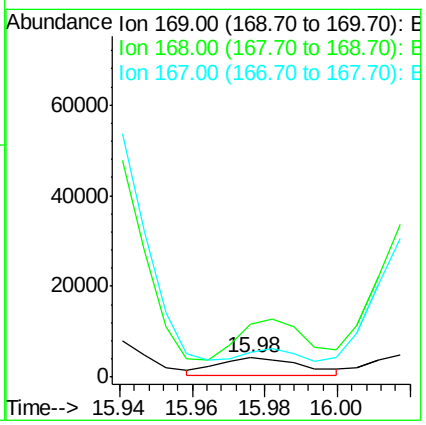


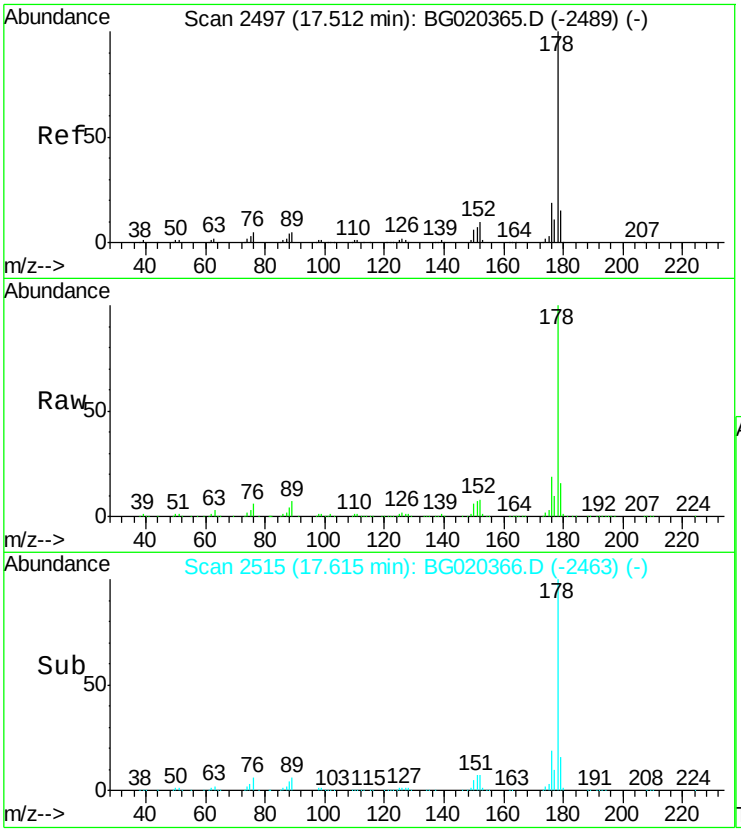


#65
N-Nitrosodiphenylamine
Concen: 1.49 ng/ul
RT: 15.98 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Tgt Ion:169 Resp: 6480

Ion	Ratio	Lower	Upper
169	100		
168	277.1	54.3	81.5#
167	130.1	31.8	47.8#



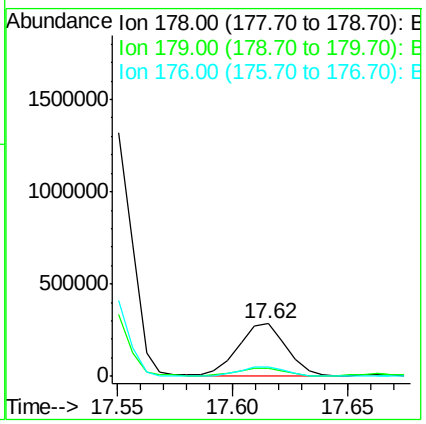


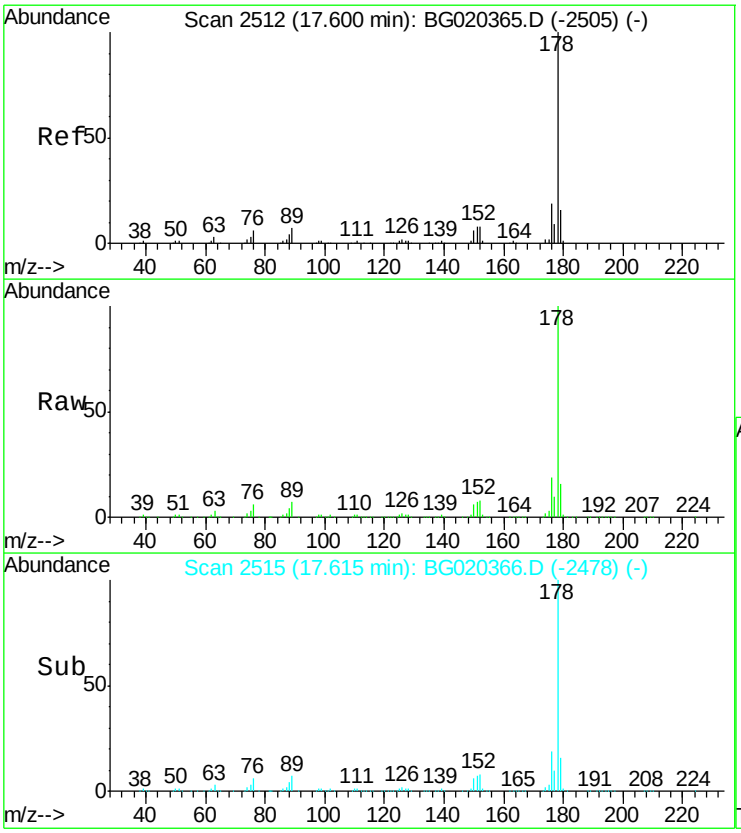
#70
Phenanthrene
Concen: 48.16 ng/ul
RT: 17.62 min Scan# 2515
Delta R.T. 0.10 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Instrument :
BNA_G
ClientSampleId :
D9N60

Tgt Ion:178 Resp: 412045

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.9	19.3
176	19.0	15.3	22.9

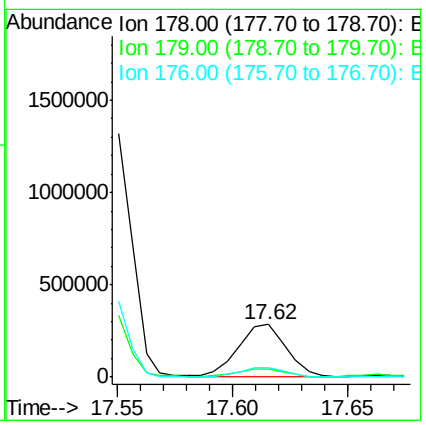


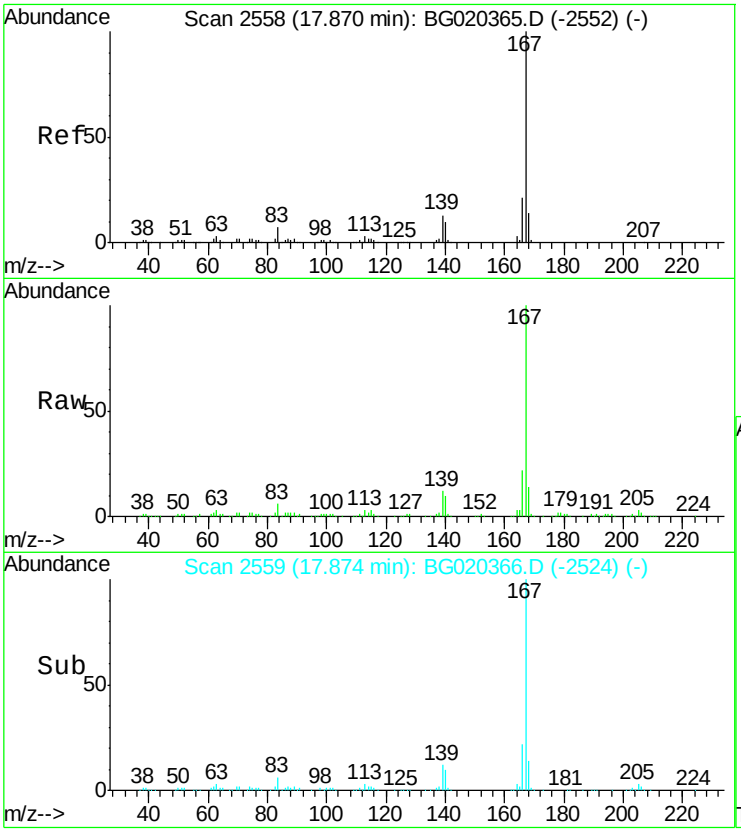


#72
Anthracene
Concen: 47.49 ng/ul
RT: 17.62 min Scan# 2515
Delta R.T. 0.02 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Tgt Ion:178 Resp: 412045

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.3	18.5
176	19.0	14.3	21.5



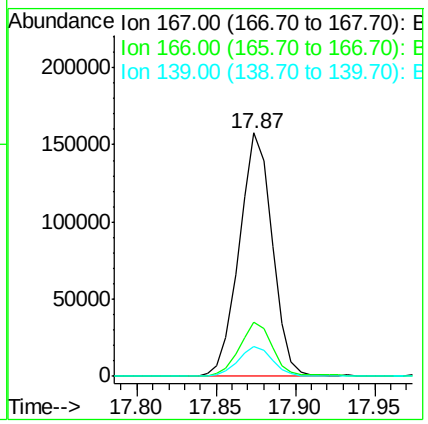


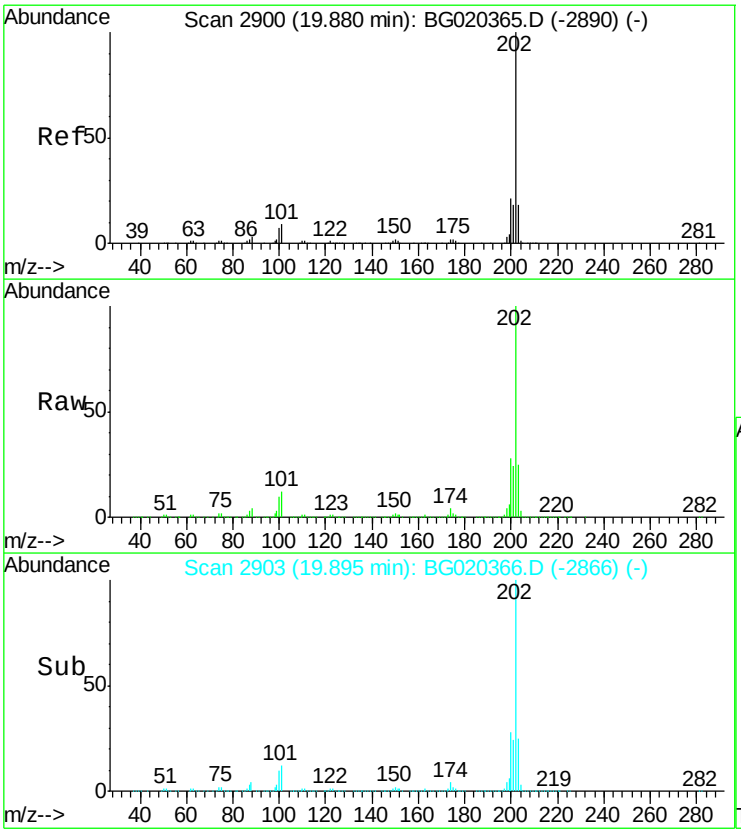
#75
Carbazole
Concen: 31.19 ng/ul
RT: 17.87 min Scan# 2559
Delta R.T. 0.00 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Instrument :
BNA_G
ClientSampleId :
D9N60

Tgt Ion:167 Resp: 227442

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.0	25.6
139	12.3	10.1	15.1

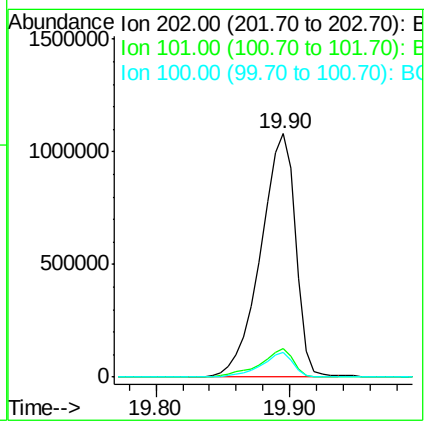


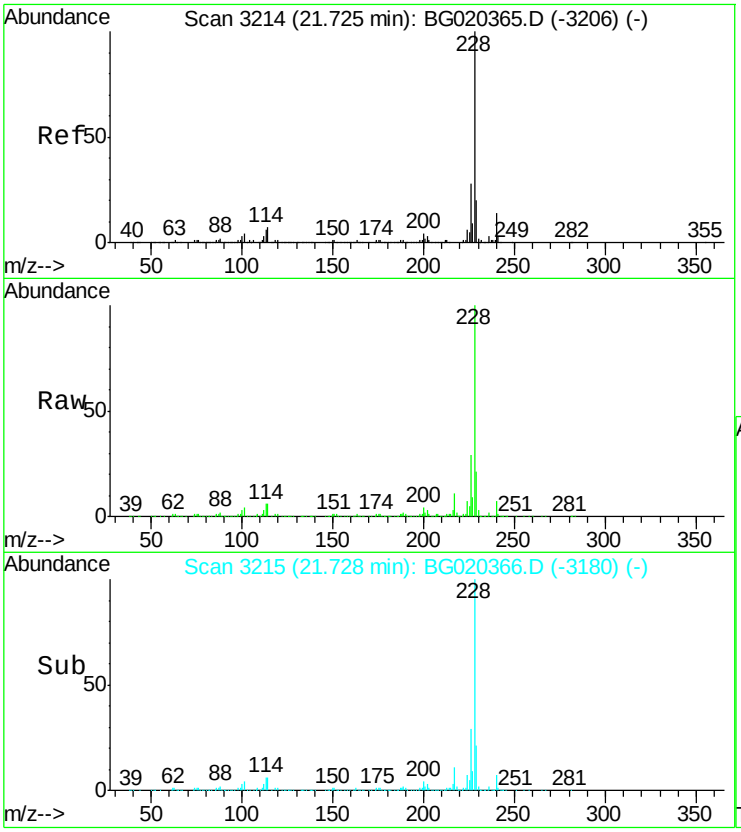


#80
Pyrene
Concen: 162.34 ng/ul
RT: 19.90 min Scan# 2903
Delta R.T. 0.02 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Tgt Ion:202 Resp: 1956952

Ion	Ratio	Lower	Upper
202	100		
101	11.7	7.0	10.4#
100	10.0	6.4	9.6#



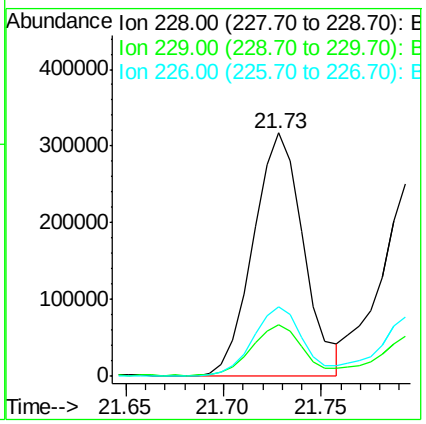


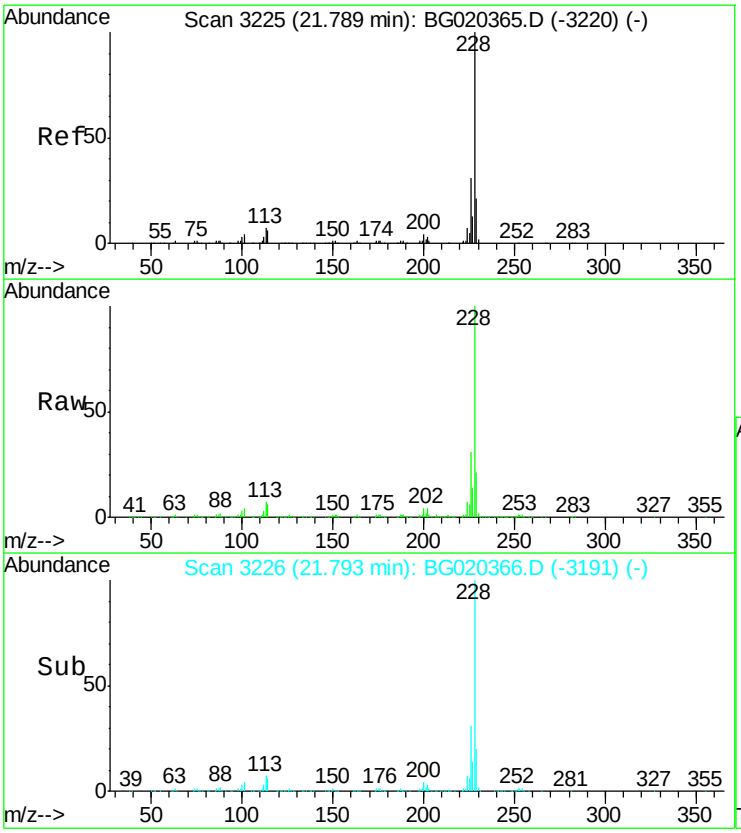
#83
Benzo(a)anthracene
Concen: 48.71 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. 0.00 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Instrument :
BNA_G
ClientSampleId :
D9N60

Tgt Ion:228 Resp: 566031

Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.8	23.8
226	28.8	21.8	32.6

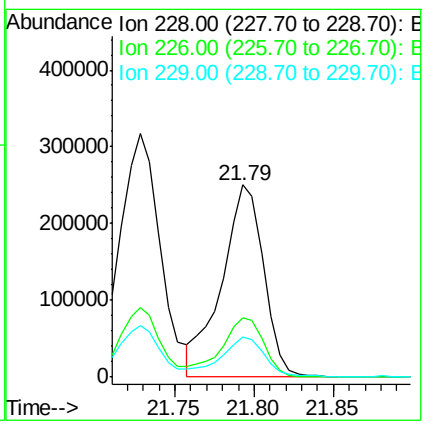


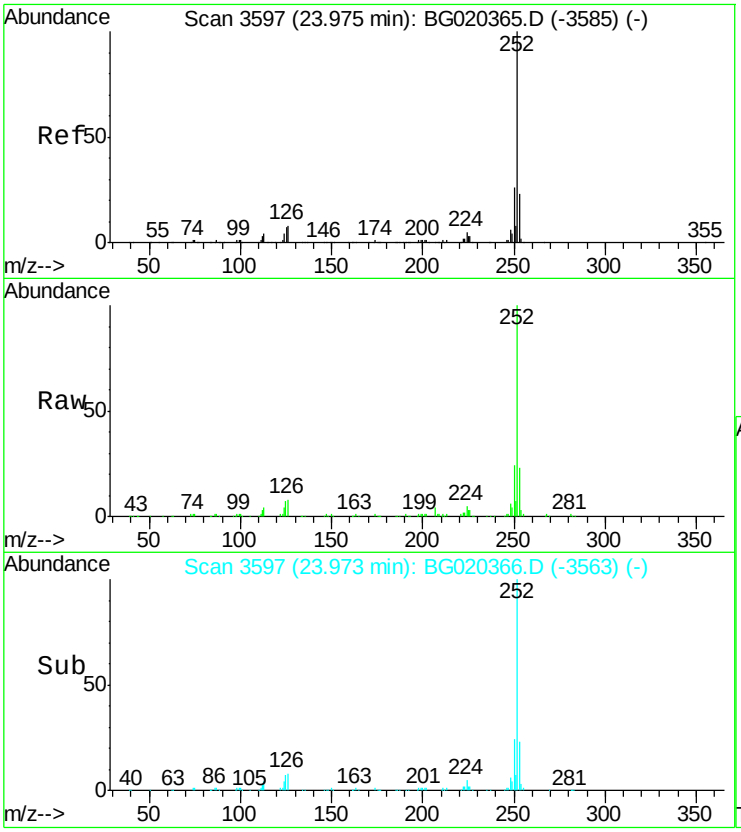


#85
Chrysene
Concen: 41.70 ng/ul
RT: 21.79 min Scan# 3226
Delta R.T. 0.00 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Tgt Ion:228 Resp: 456463

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.9	35.9
229	20.6	15.6	23.4



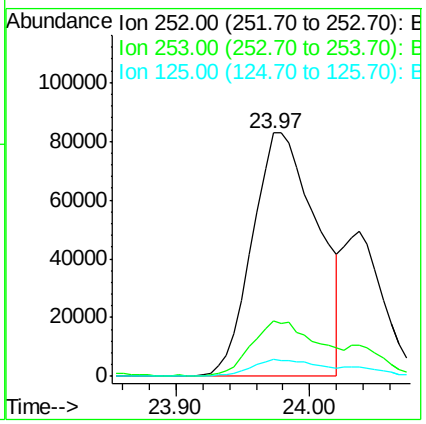


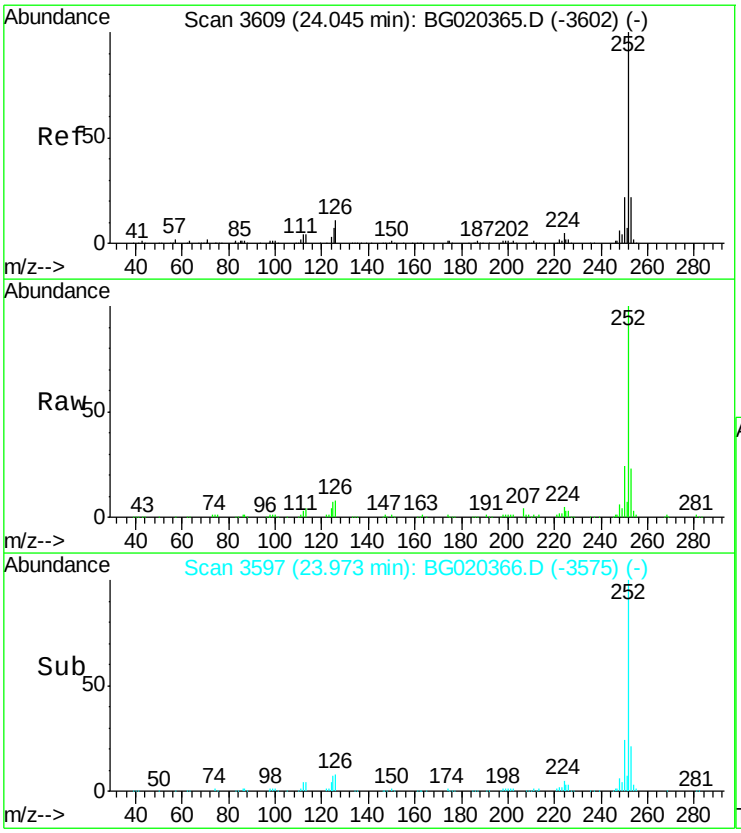
#88
Benzo(b)fluoranthene
Concen: 24.11 ng/ul
RT: 23.97 min Scan# 3597
Delta R.T. -0.00 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Instrument :
BNA_G
ClientSampleId :
D9N60

Tgt Ion:252 Resp: 277693

Ion	Ratio	Lower	Upper
252	100		
253	22.8	16.7	25.1
125	6.9	6.2	9.2

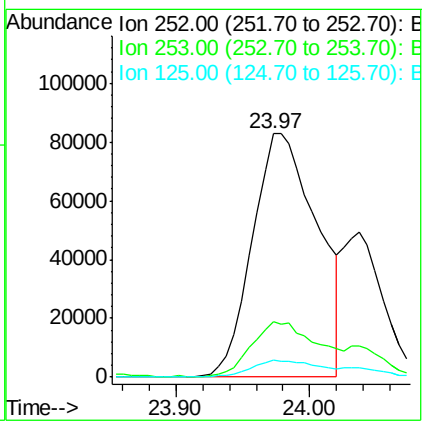


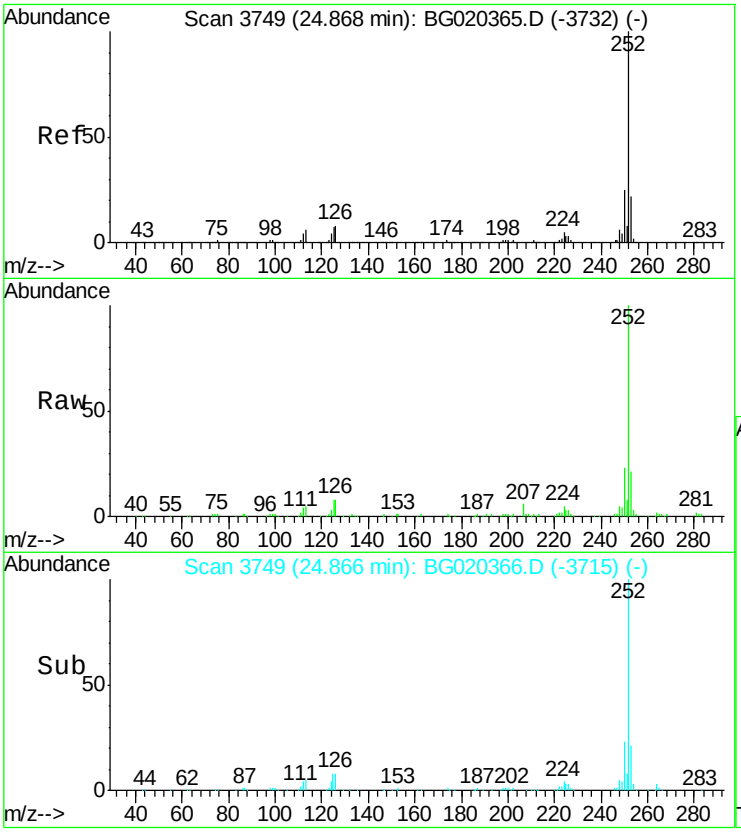


#89
Benzo(k)fluoranthene
Concen: 25.12 ng/ul
RT: 23.97 min Scan# 3597
Delta R.T. -0.07 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Tgt Ion:252 Resp: 277693

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	6.9	5.8	8.6



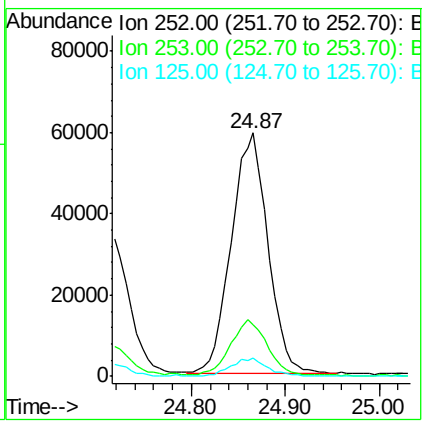


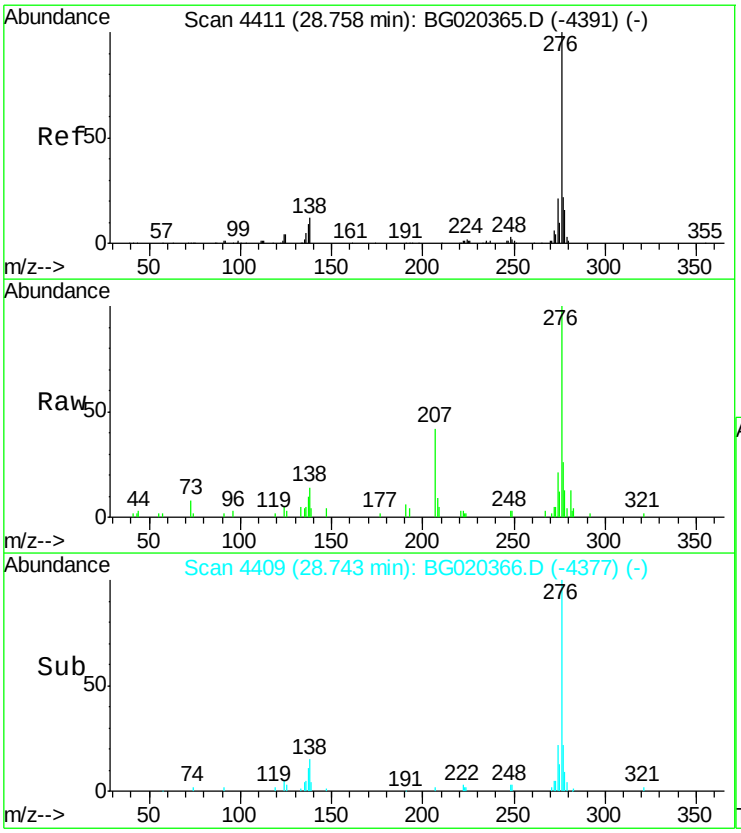
#91
Benzo(a)pyrene
Concen: 14.65 ng/ul
RT: 24.87 min Scan# 3749
Delta R.T. -0.00 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Instrument :
BNA_G
ClientSampleId :
D9N60

Tgt Ion:252 Resp: 159928

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.4
125	7.7	6.2	9.4

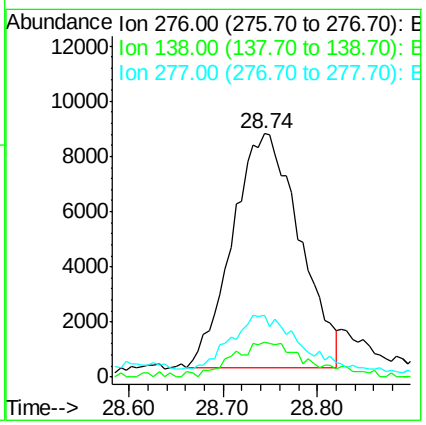


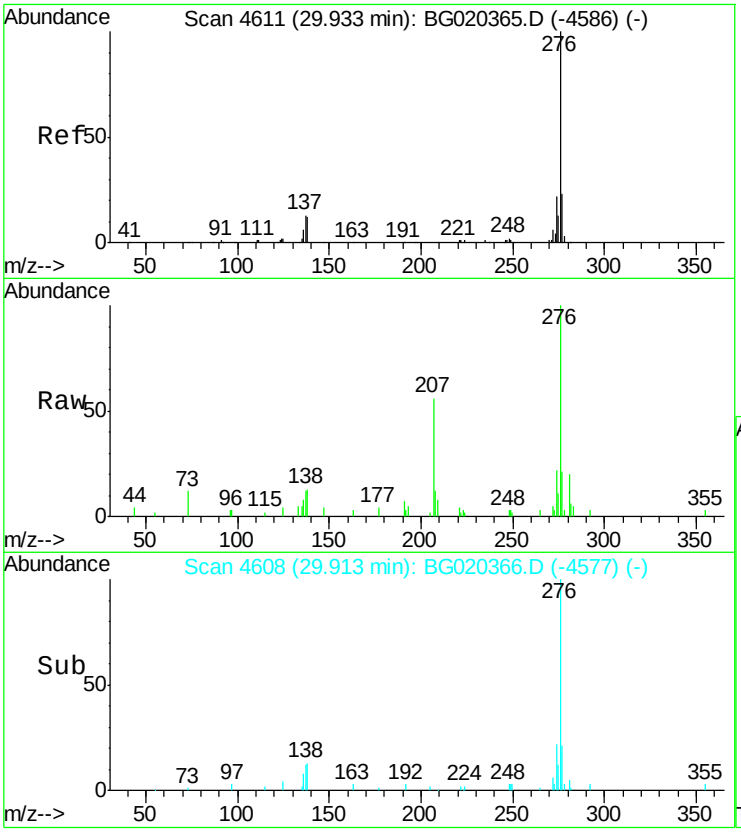


#92
Indeno(1,2,3-cd)pyrene
Concen: 3.23 ng/ul
RT: 28.74 min Scan# 4409
Delta R.T. -0.01 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Tgt Ion:276 Resp: 41973

Ion	Ratio	Lower	Upper
276	100		
138	14.4	11.4	17.0
277	25.6	17.4	26.0





#94
Benzo(g,h,i)perylene
Concen: 3.23 ng/ul
RT: 29.91 min Scan# 4608
Delta R.T. -0.02 min
Lab File: BG020366.D
Acq: 21 Dec 2015 6:25

Instrument :
BNA_G
ClientSampleId :
D9N60

Tgt Ion:276 Resp: 34477

Ion	Ratio	Lower	Upper
276	100		
138	12.7	10.8	16.2
277	20.7	19.9	29.9