Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
Data File : BG020543.D
Acq On : 26 Dec 2015 16:48
Operator : UM/SJ
Sample : G4802-22MS
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96MS

Quant Time: Dec 28 01:27:31 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 01:15:44 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	21264	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	90283	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	66214	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	155965	20.00	ng/ul	0.01
78) Chrysene-d12	21.73	240	194672	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	187791	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.44	96	1761	4.57	ng/uL	0.00
5) Phenol-d5	7.23	99	45049	26.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	29315	29.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	37124	28.36	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	39865	27.77	ng/ul	0.00
19) Nitrobenzene-d5	9.24	128	21308	30.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	22214	27.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	42111	27.04	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	41562	23.36	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	149382	27.37	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	180273	28.51	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	17159	18.86	ng/ul	0.00
58) Fluorene-d10	15.71	176	139556	28.28	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	8144	7.88	ng/ul	0.02
71) Anthracene-d10	17.56	188	213368	29.21	ng/ul	0.01
79) Pyrene-d10	19.84	212	252511	29.96	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	284995	30.02	ng/ul	0.03
Target Compounds						Qvalue
6) Phenol	7.26	94	48473	27.28	ng/ul	97
10) 2-Chlorophenol	7.64	128	37008	27.08	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.88	70	32141	27.64	ng/ul	95
17) Hexachloroethane	9.14	117	915	1.59	ng/ul#	1
28) Naphthalene	10.95	128	172236	35.89	ng/ul	97
30) 4-Chloroaniline	10.95	127	23474	13.09	ng/ul#	8
33) 4-Chloro-3-methylphenol	12.17	107	49157	29.37	ng/ul	90
35) 1-Methylnaphthalene	12.77	142	645548	191.36	ng/ul	96
41) 1,1'-Biphenyl	13.54	154	166580	32.60	ng/ul	95
45) Dimethylphthalate	14.16	163	51855	9.35	ng/ul	99
48) Acenaphthylene	14.44	152	162094	24.39	ng/ul#	92
50) Acenaphthene	14.78	153	482993	107.49	ng/ul	98
53) 4-Nitrophenol	14.93	109	15324	18.62	ng/ul#	88
54) Dibenzofuran	15.11	168	60171	9.00	ng/ul	89
55) 2,4-Dinitrotoluene	15.08	165	52119	30.90	ng/ul#	96
59) Fluorene	15.76	166	380215	70.18	ng/ul	99
61) 4-Nitroaniline	15.76	138	5083	4.34	ng/ul#	10
65) N-Nitrosodiphenylamine	15.96	169	9356	2.15	ng/ul#	29
69) Pentachlorophenol	17.12	266	16635	14.17	ng/ul	96
70) Phenanthrene	17.60	178	464196	53.49	ng/ul	100
72) Anthracene	17.60	178	464304	52.32	ng/ul	98
75) Carbazole	17.86	167	21310	2.85	ng/ul#	90
77) Fluoranthene	19.51	202	686748	62.93	ng/ul	99

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
Data File : BG020543.D
Acq On : 26 Dec 2015 16:48
Operator : UM/SJ
Sample : G4802-22MS
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96MS

Quant Time: Dec 28 01:27:31 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 01:15:44 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Pyrene	19.88	202	1225749	111.34	ng/ul	97
83) Benzo(a)anthracene	21.78	228	326396	28.55	ng/ul	93
85) Chrysene	21.78	228	325518	29.89	ng/ul	96
88) Benzo(b)fluoranthene	23.97	252	235218	20.87	ng/ul	97
89) Benzo(k)fluoranthene	23.97	252	235218	21.59	ng/ul	100
91) Benzo(a)pyrene	24.86	252	296391	27.36	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.74	276	118172	9.11	ng/ul	95
93) Dibenzo(a,h)anthracene	28.77	278	31795	2.95	ng/ul	97
94) Benzo(g,h,i)perylene	29.91	276	122910	11.53	ng/ul	97

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
Data File : BG020543.D
Acq On : 26 Dec 2015 16:48
Operator : UM/SJ
Sample : G4802-22MS
Misc :
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Instrument :
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ClientSampleId :
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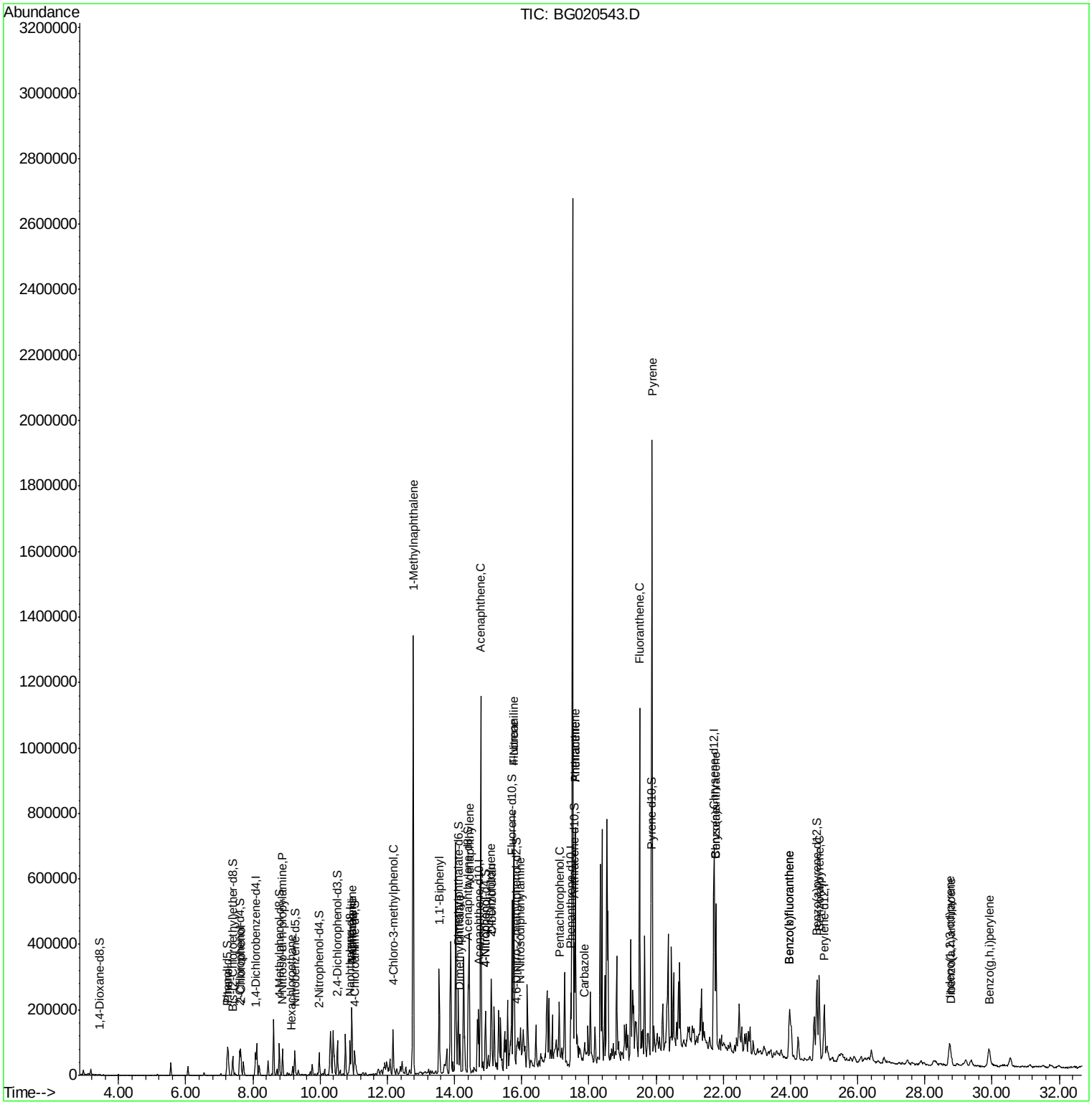
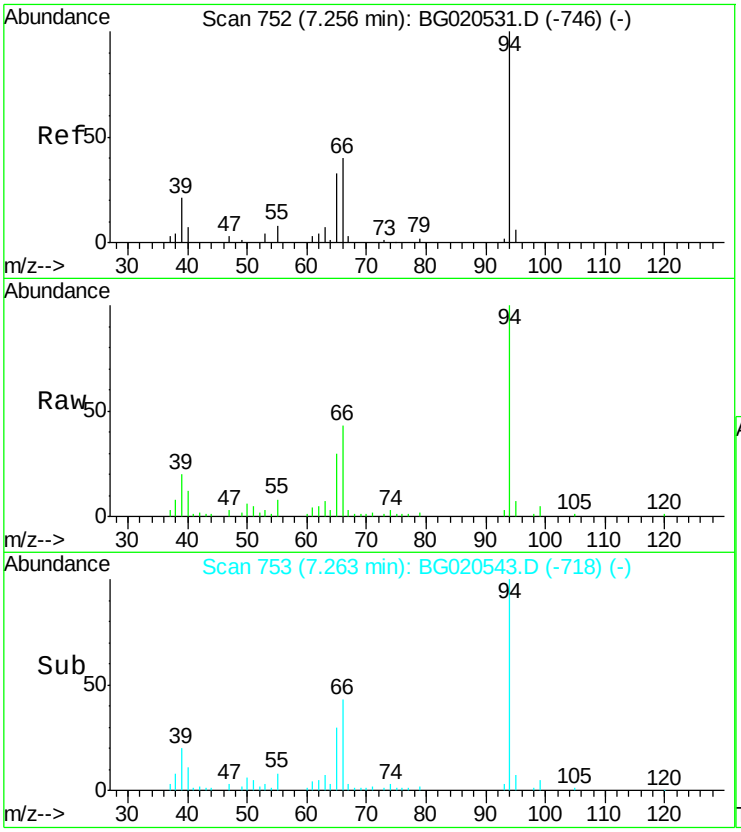
Quant Time: Dec 28 01:27:31 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 01:15:44 2015
Response via : Initial Calibration



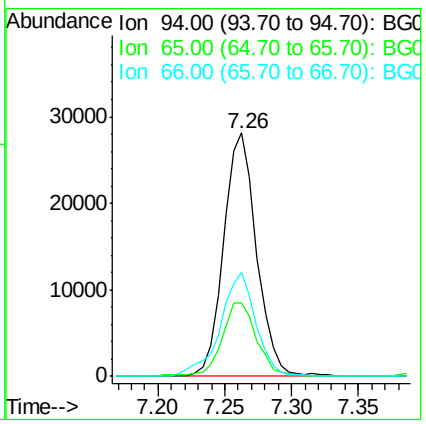


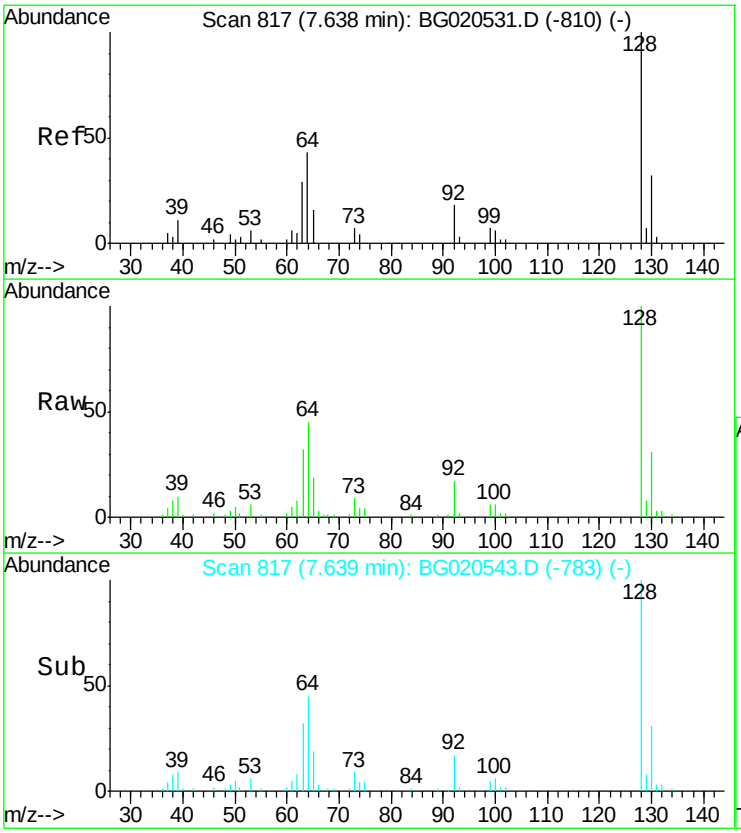
#6
Phenol
Concen: 27.28 ng/ul
RT: 7.26 min Scan# 753
Delta R.T. 0.01 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Instrument :
BNA_G
ClientSampleId :
G9D96MS

Tgt Ion: 94 Resp: 48473

Ion	Ratio	Lower	Upper
94	100		
65	30.3	26.3	39.5
66	43.0	33.3	49.9

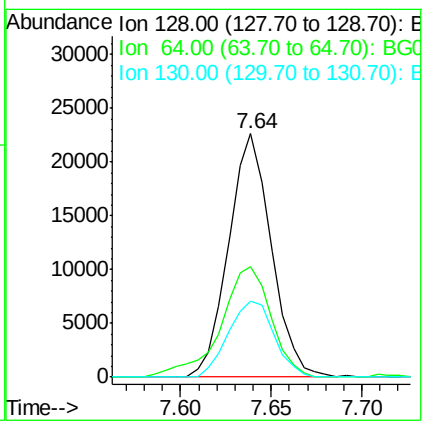


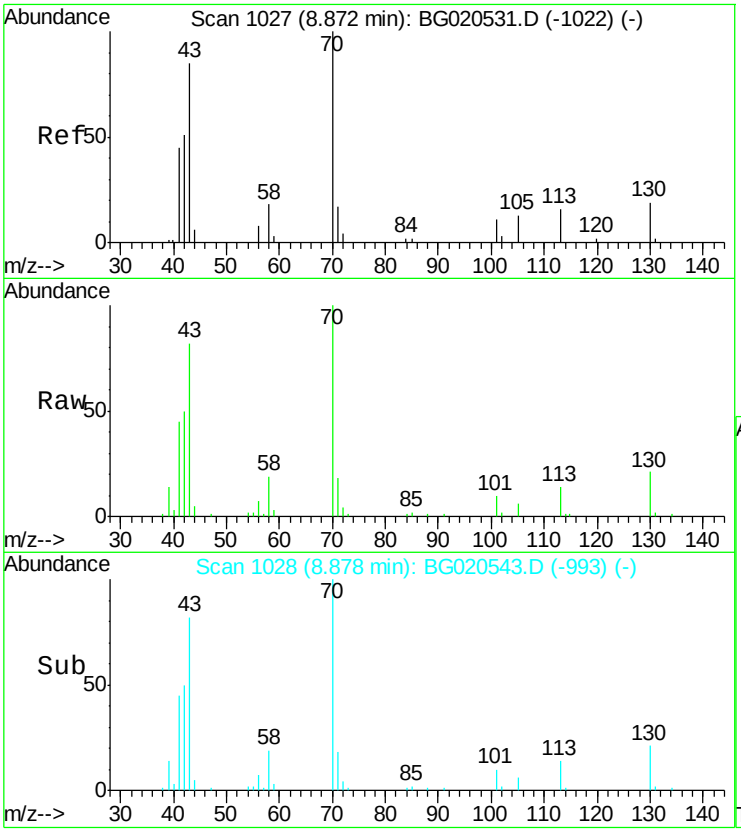


#10
2-Chlorophenol
Concen: 27.08 ng/ul
RT: 7.64 min Scan# 817
Delta R.T. 0.00 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Tgt Ion:128 Resp: 37008

Ion	Ratio	Lower	Upper
128	100		
64	45.5	39.4	59.0
130	31.3	24.6	36.8



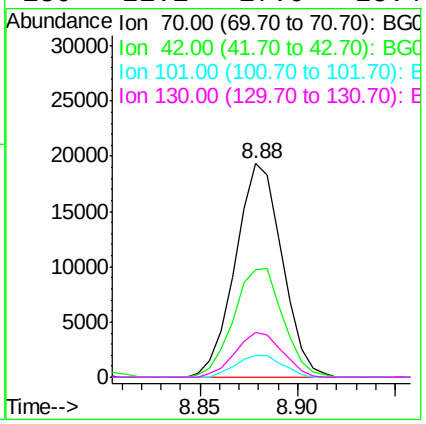


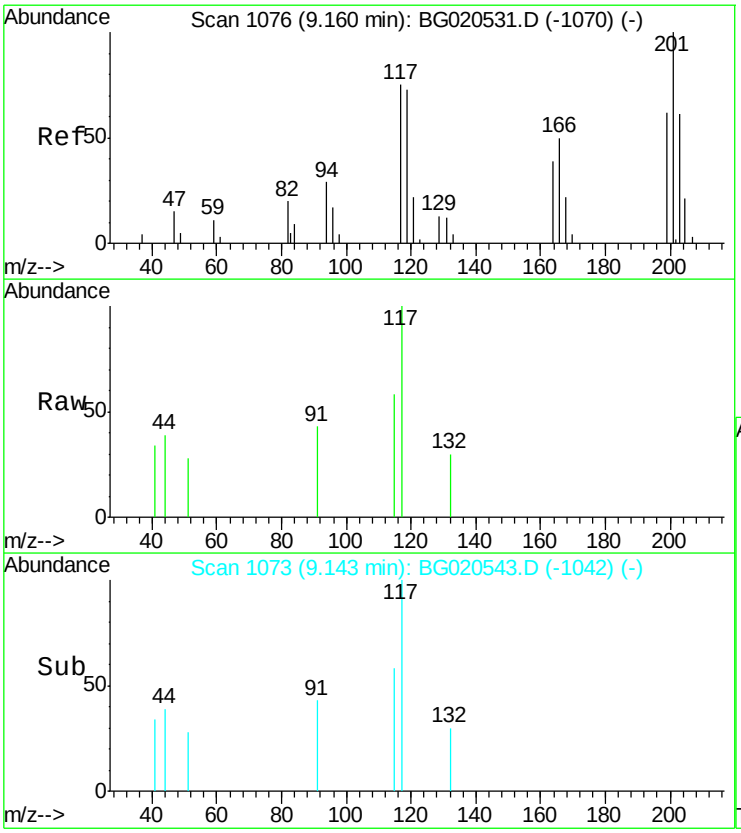
#15
N-Nitroso-di-n-propylamine
Concen: 27.64 ng/ul
RT: 8.88 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Instrument :
BNA_G
ClientSampleId :
G9D96MS

Tgt Ion: 70 Resp: 32141

Ion	Ratio	Lower	Upper
70	100		
42	50.3	44.3	66.5
101	10.0	7.6	11.4
130	21.1	17.0	25.4

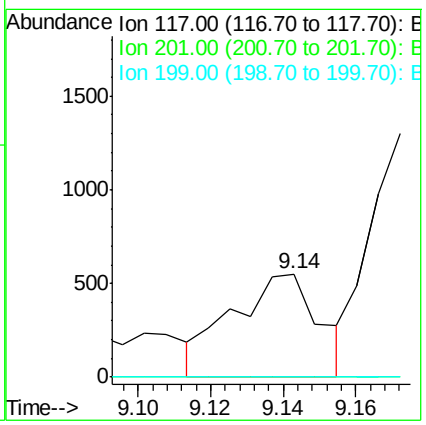


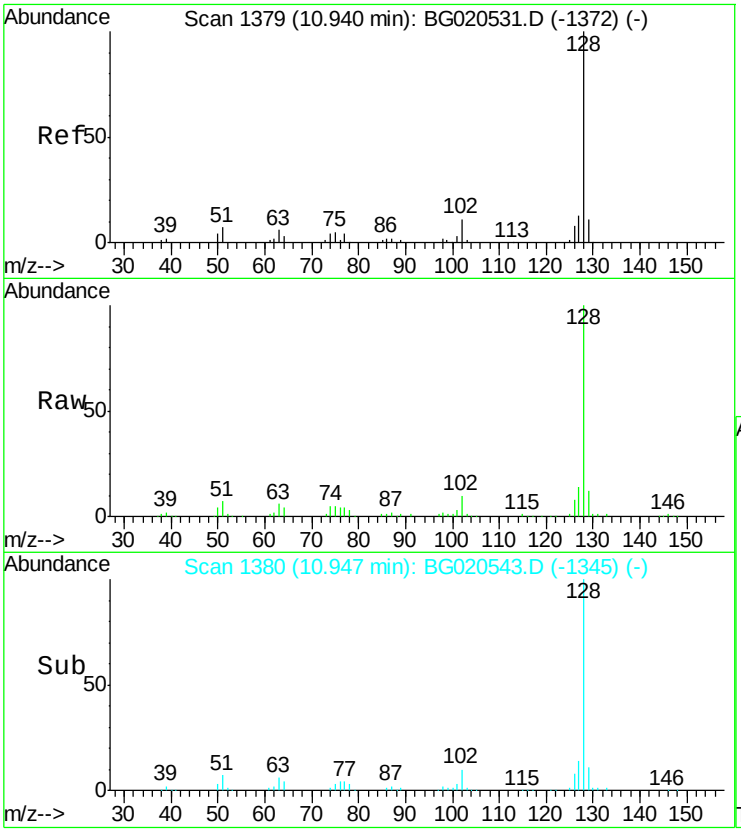


#17
Hexachloroethane
Concen: 1.59 ng/ul
RT: 9.14 min Scan# 1073
Delta R.T. -0.02 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Tgt Ion:117 Resp: 915

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



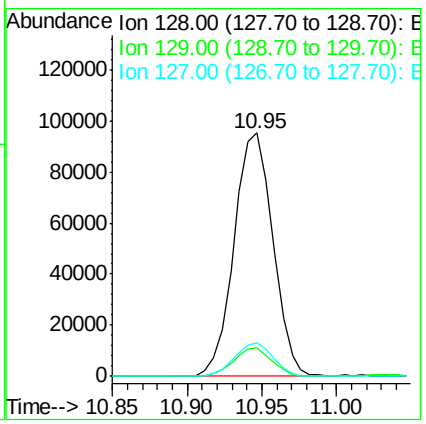


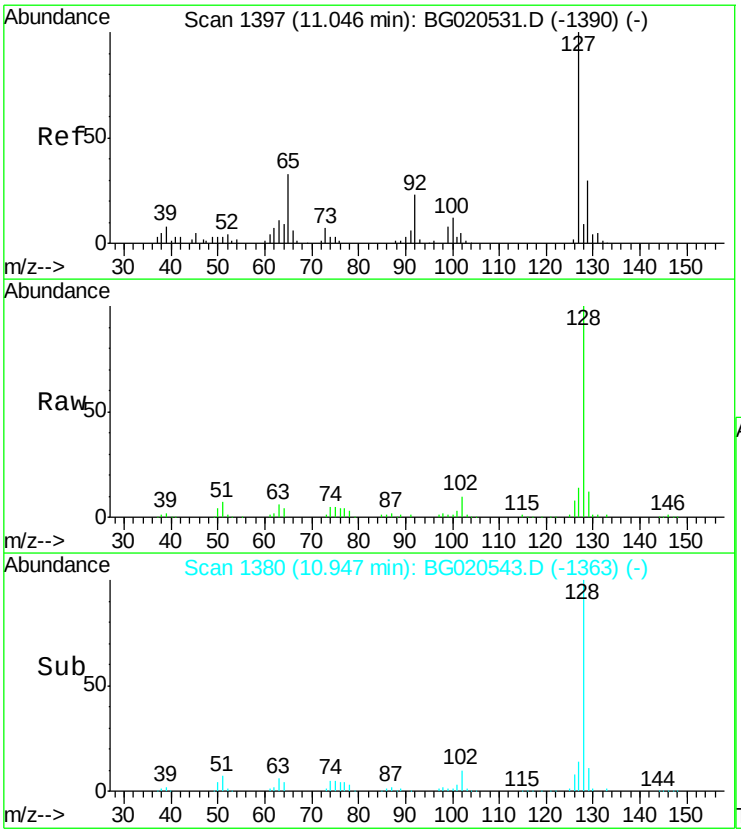
#28
Naphthalene
Concen: 35.89 ng/ul
RT: 10.95 min Scan# 1380
Delta R.T. 0.01 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Instrument :
BNA_G
ClientSampleId :
G9D96MS

Tgt Ion:128 Resp: 172236

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	12.8
127	13.8	10.1	15.1

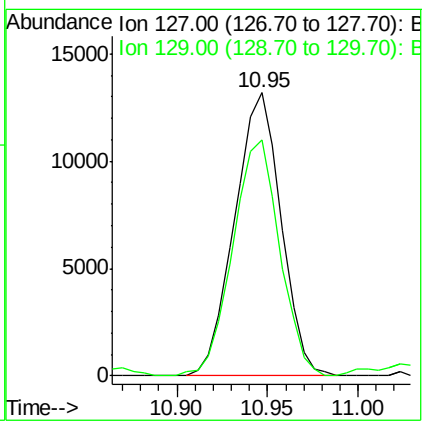


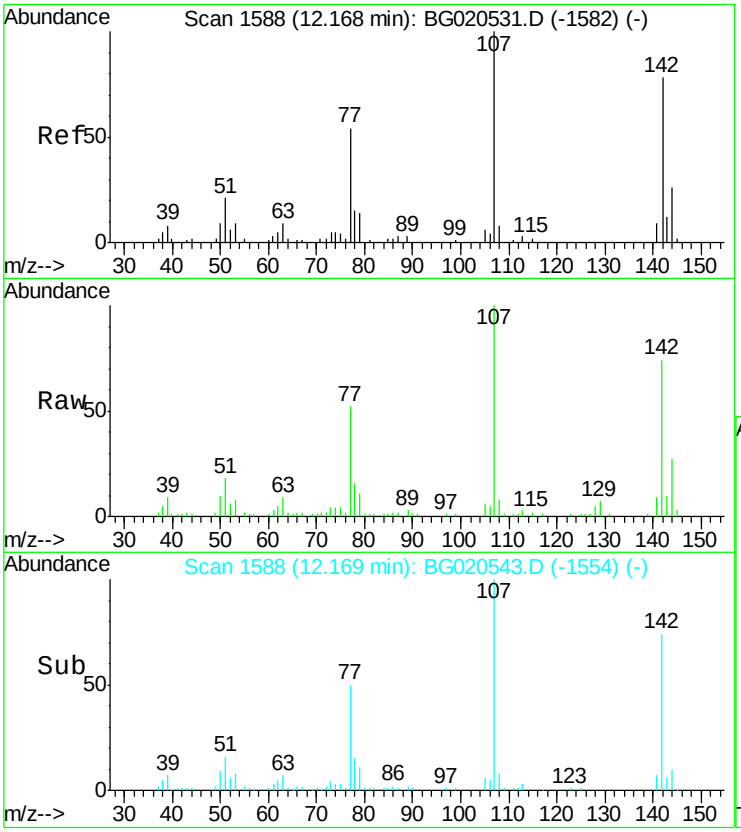


#30
4-Chloroaniline
Concen: 13.09 ng/ul
RT: 10.95 min Scan# 1380
Delta R.T. -0.10 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Tgt Ion:127 Resp: 23474

Ion	Ratio	Lower	Upper
127	100		
129	83.2	25.7	38.5#



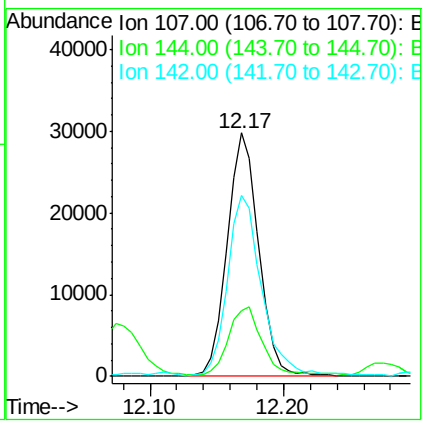


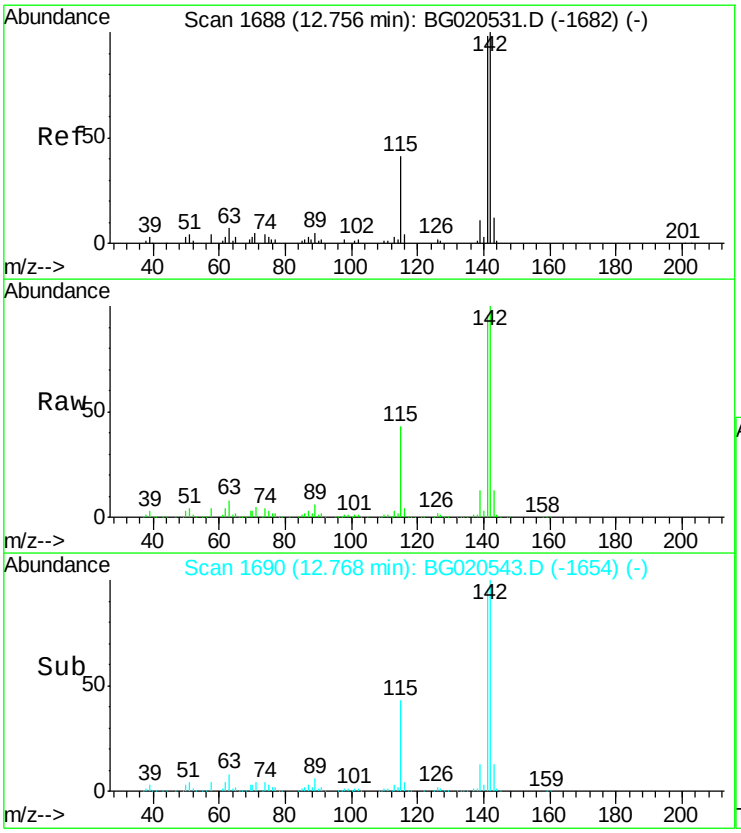
#33
4-Chloro-3-methylphenol
Concen: 29.37 ng/ul
RT: 12.17 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Instrument :
BNA_G
ClientSampleId :
G9D96MS

Tgt Ion:107 Resp: 49157

Ion	Ratio	Lower	Upper
107	100		
144	26.8	18.7	28.1
142	74.3	52.8	79.2

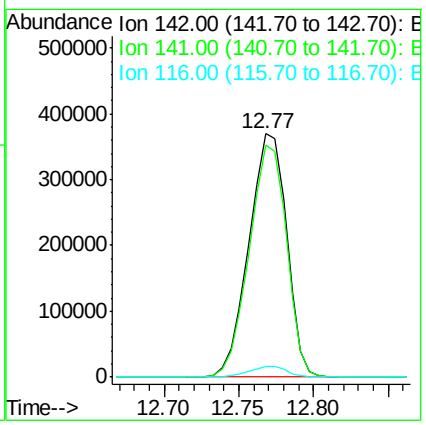


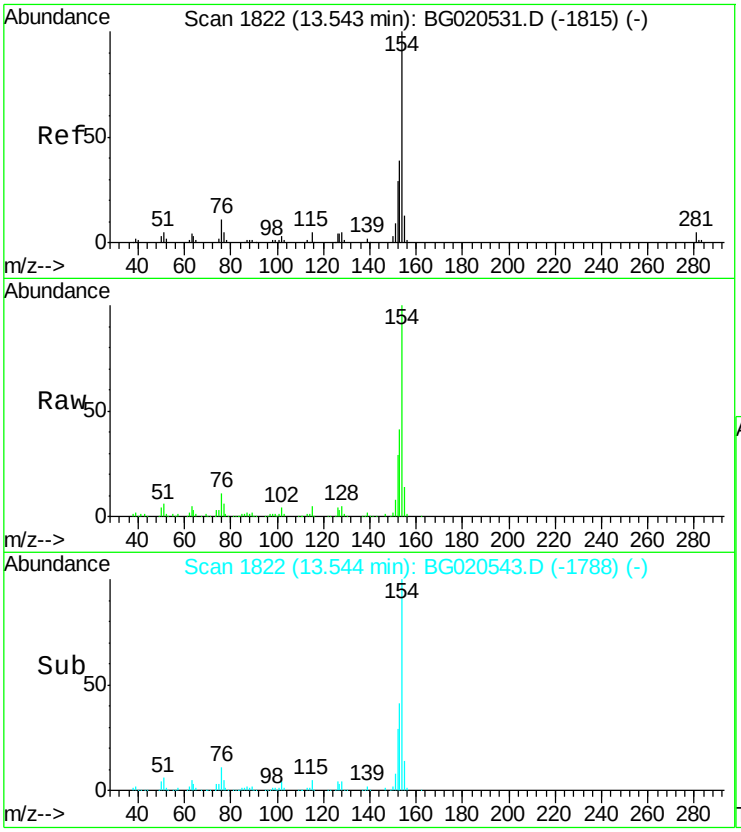


#35
1-Methylnaphthalene
Concen: 191.36 ng/ul
RT: 12.77 min Scan# 1690
Delta R.T. 0.01 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Tgt Ion:142 Resp: 645548

Ion	Ratio	Lower	Upper
142	100		
141	95.6	73.0	109.6
116	4.5	3.0	4.6



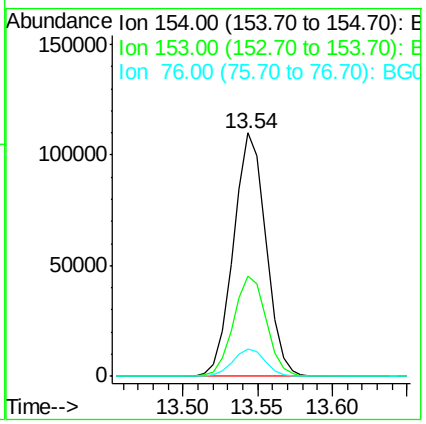


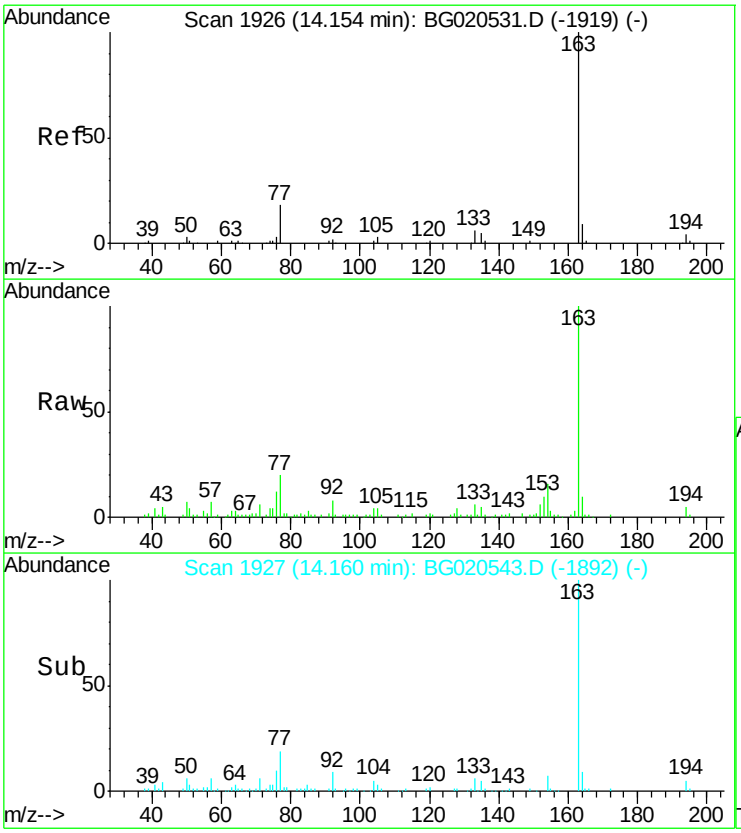
#41
1,1'-Biphenyl
Concen: 32.60 ng/ul
RT: 13.54 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Instrument :
BNA_G
ClientSampleId :
G9D96MS

Tgt Ion:154 Resp: 166580

Ion	Ratio	Lower	Upper
154	100		
153	41.4	35.5	53.3
76	11.4	10.4	15.6

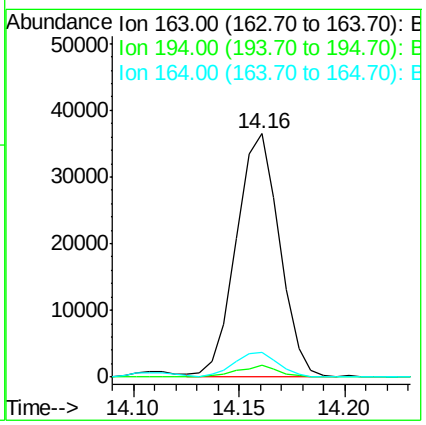


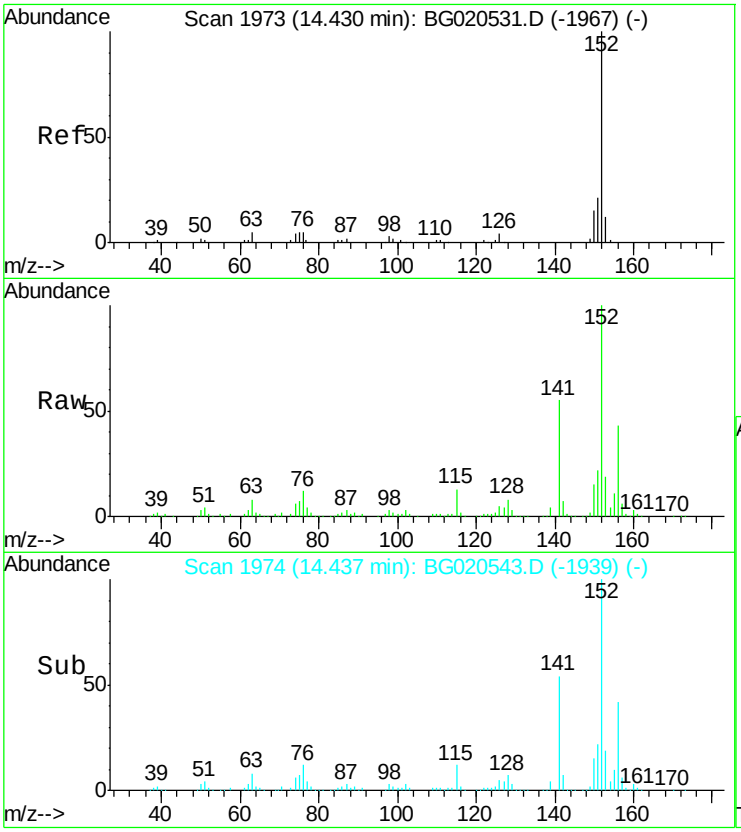


#45
Dimethylphthalate
Concen: 9.35 ng/ul
RT: 14.16 min Scan# 1927
Delta R.T. 0.01 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Tgt Ion:163 Resp: 51855

Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.5	5.3
164	9.9	7.7	11.5



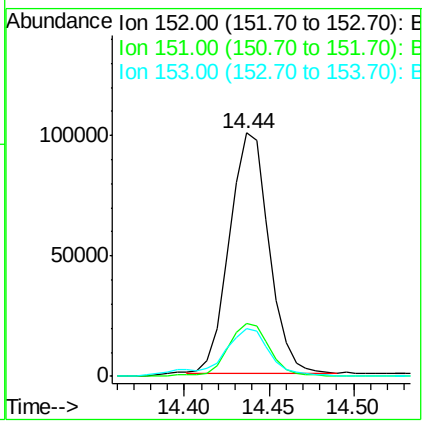


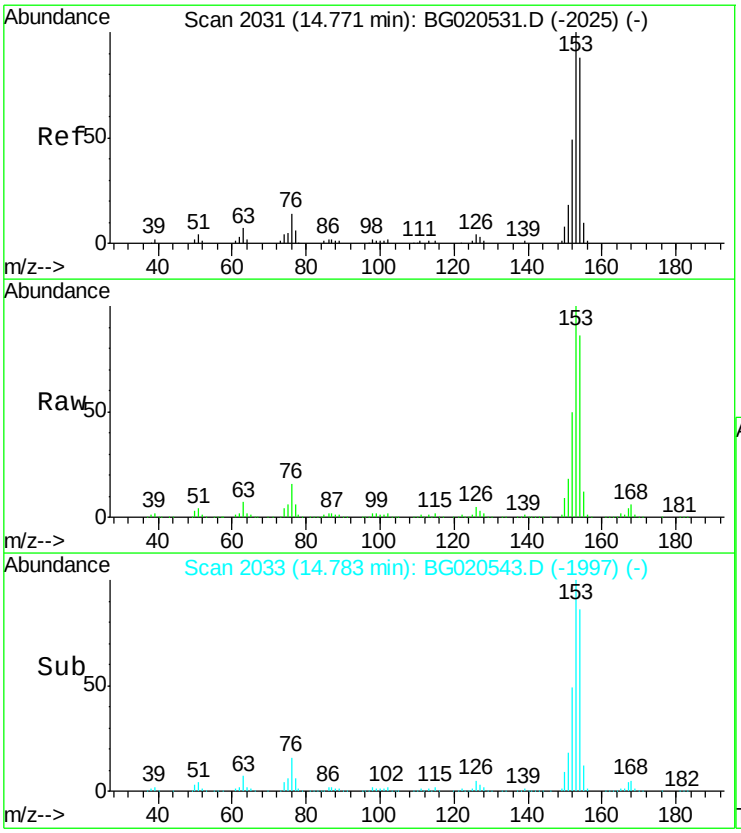
#48
Acenaphthylene
Concen: 24.39 ng/ul
RT: 14.44 min Scan# 1974
Delta R.T. 0.01 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Instrument :
BNA_G
ClientSampleId :
G9D96MS

Tgt Ion:152 Resp: 162094

Ion	Ratio	Lower	Upper
152	100		
151	21.9	16.4	24.6
153	19.5	10.4	15.6#

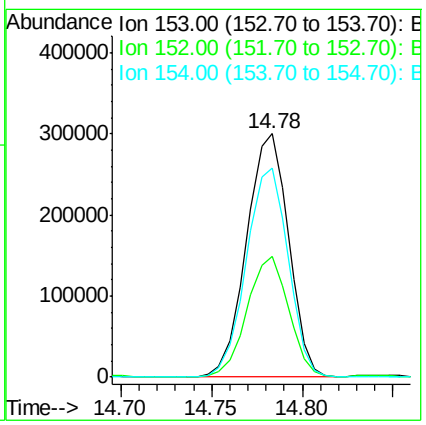


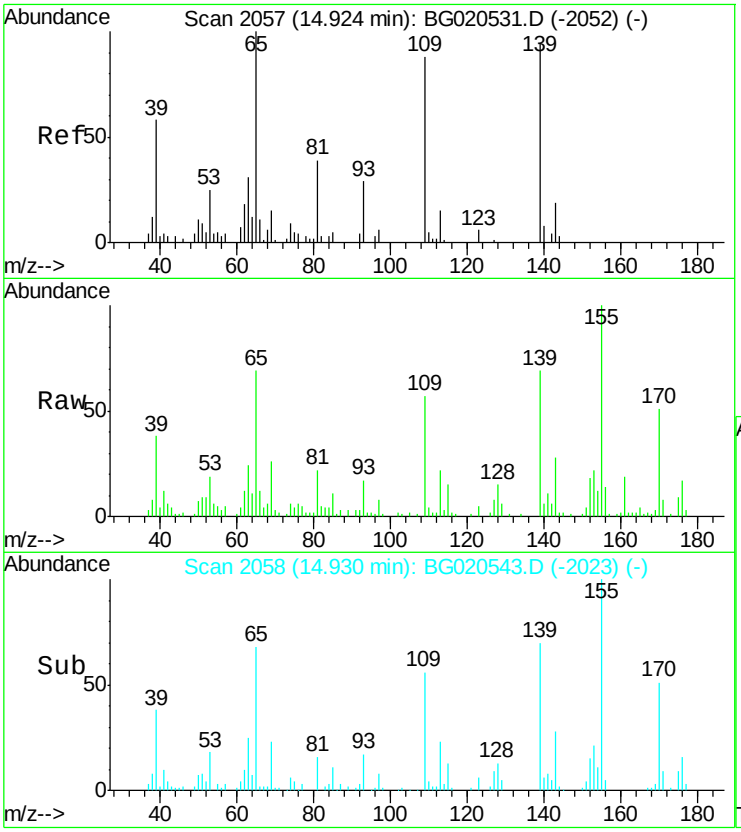


#50
Acenaphthene
Concen: 107.49 ng/ul
RT: 14.78 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Tgt Ion:153 Resp: 482993

Ion	Ratio	Lower	Upper
153	100		
152	49.6	37.6	56.4
154	86.1	67.9	101.9



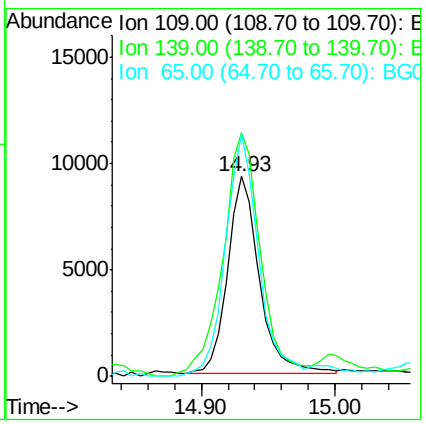


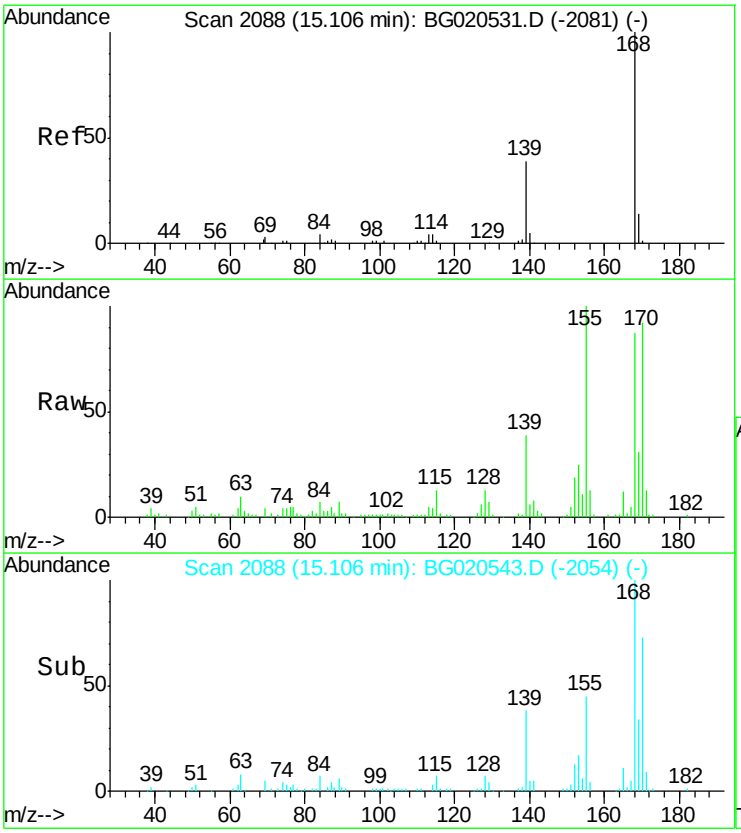
#53
4-Nitrophenol
Concen: 18.62 ng/ul
RT: 14.93 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Instrument :
BNA_G
ClientSampleId :
G9D96MS

Tgt Ion:109 Resp: 15324

Ion	Ratio	Lower	Upper
109	100		
139	121.8	80.5	120.7#
65	121.6	93.4	140.2

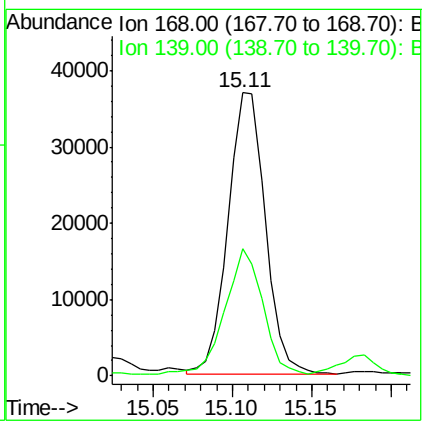


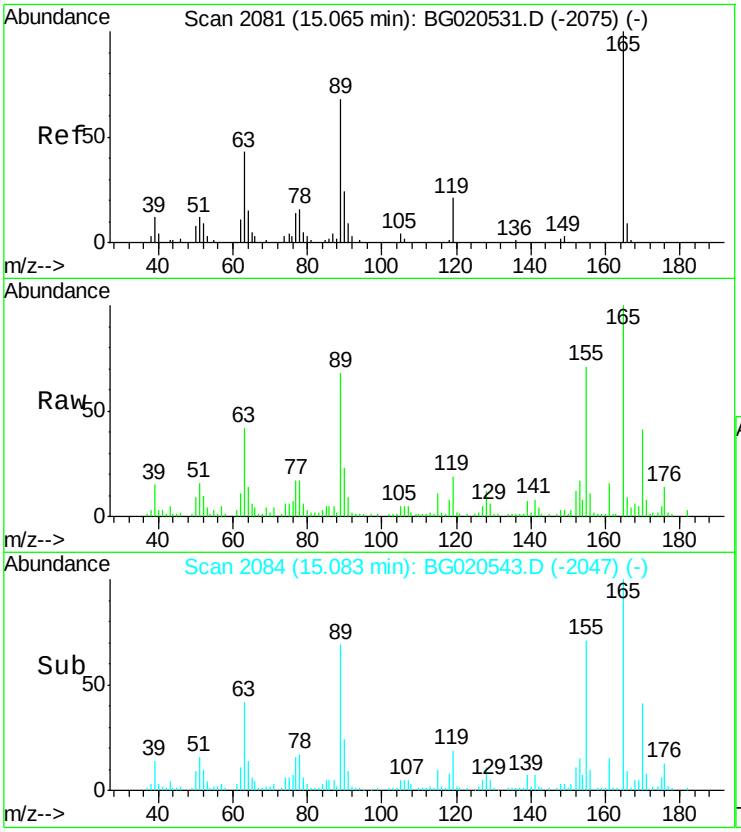


#54
Dibenzofuran
Concen: 9.00 ng/ul
RT: 15.11 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Tgt Ion:168 Resp: 60171

Ion	Ratio	Lower	Upper
168	100		
139	44.8	30.5	45.7



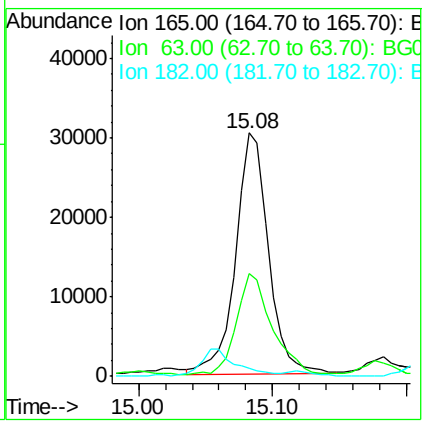


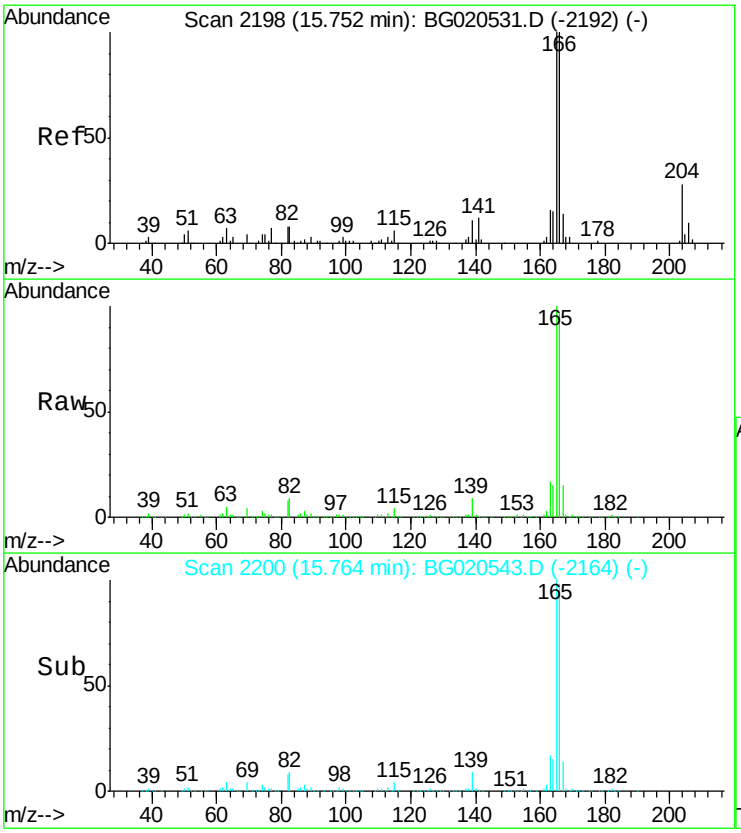
#55
2,4-Dinitrotoluene
Concen: 30.90 ng/ul
RT: 15.08 min Scan# 2084
Delta R.T. 0.02 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Instrument :
BNA_G
ClientSampleId :
G9D96MS

Tgt Ion:165 Resp: 52119

Ion	Ratio	Lower	Upper
165	100		
63	42.0	35.8	53.8
182	3.3	2.2	3.2#

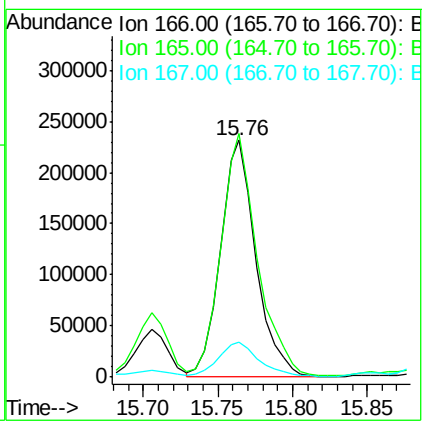


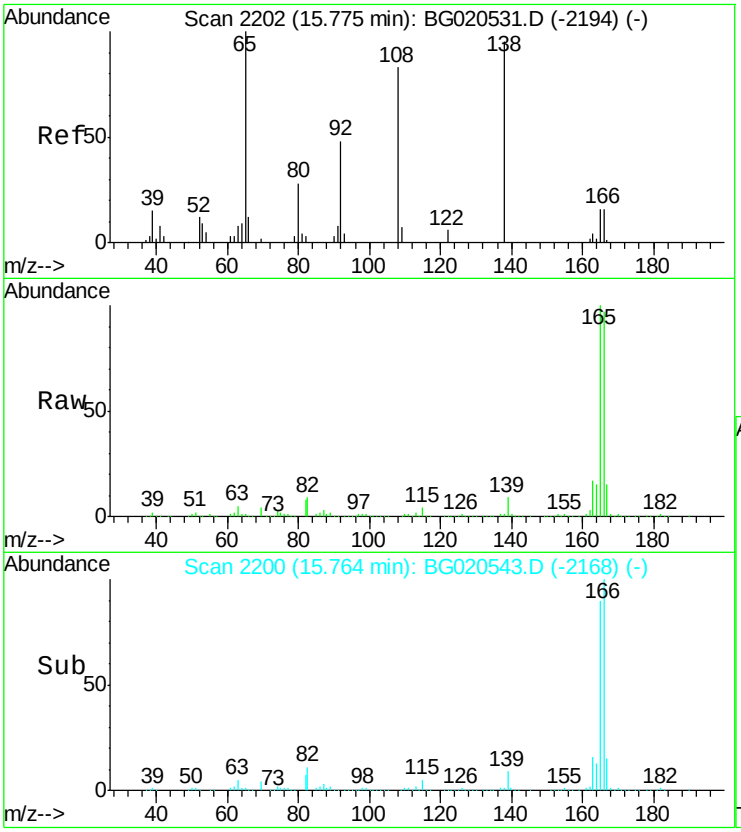


#59
Fluorene
Concen: 70.18 ng/ul
RT: 15.76 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Tgt Ion:166 Resp: 380215

Ion	Ratio	Lower	Upper
166	100		
165	102.9	81.4	122.0
167	15.0	11.2	16.8



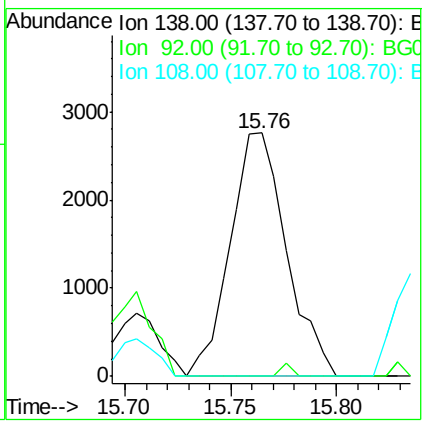


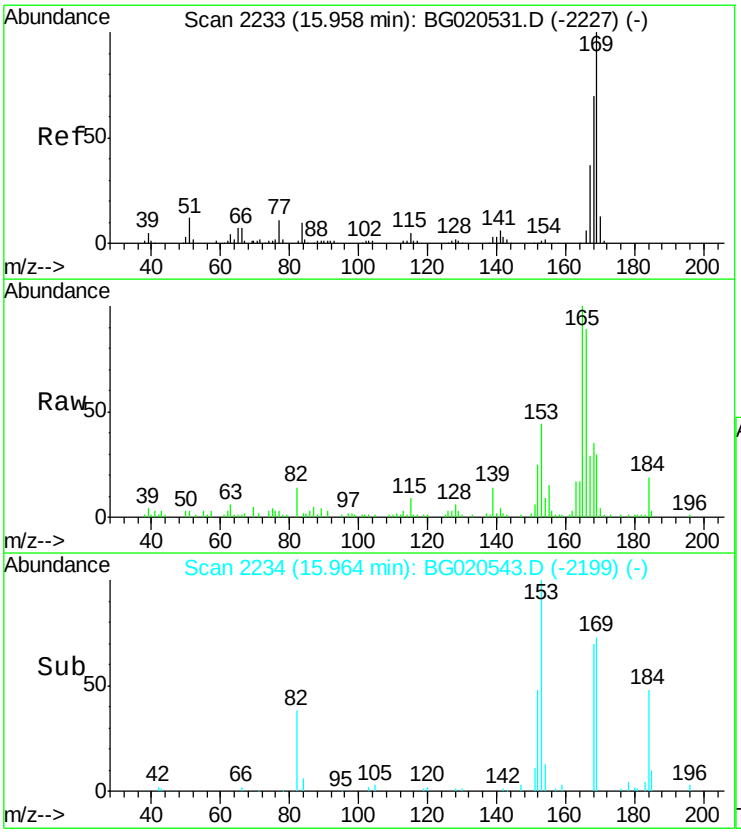
#61
4-Nitroaniline
Concen: 4.34 ng/ul
RT: 15.76 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Instrument :
BNA_G
ClientSampleId :
G9D96MS

Tgt Ion:138 Resp: 5083

Ion	Ratio	Lower	Upper
138	100		
92	0.0	45.2	67.8#
108	0.0	75.4	113.0#

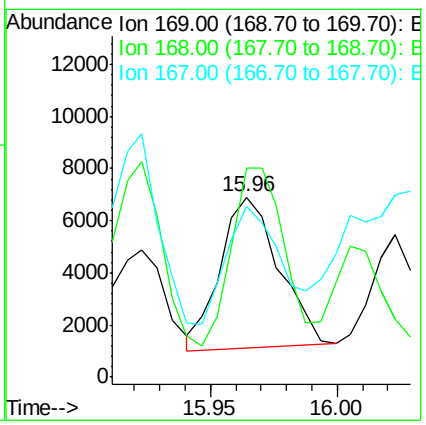


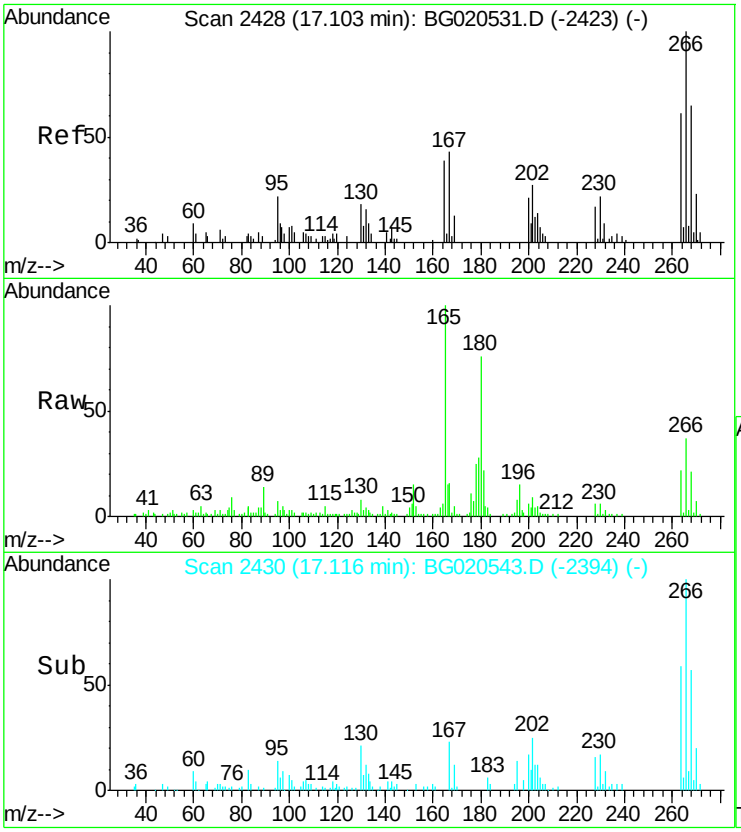


#65
N-Nitrosodiphenylamine
Concen: 2.15 ng/ul
RT: 15.96 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Tgt Ion:169 Resp: 9356

Ion	Ratio	Lower	Upper
169	100		
168	116.3	54.3	81.5#
167	95.2	31.8	47.8#



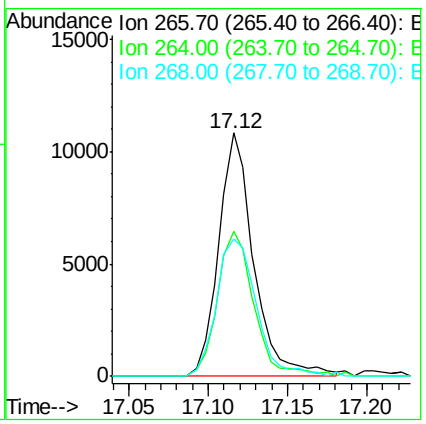


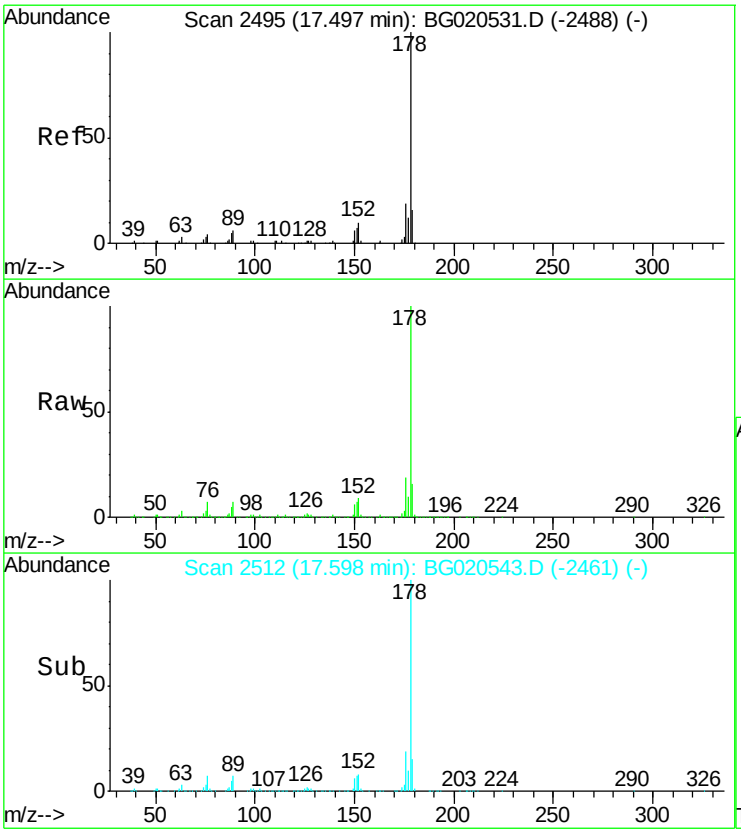
#69
Pentachlorophenol
Concen: 14.17 ng/ul
RT: 17.12 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Instrument :
BNA_G
ClientSampleId :
G9D96MS

Tgt Ion:266 Resp: 16635

Ion	Ratio	Lower	Upper
266	100		
264	59.5	52.2	78.2
268	61.5	49.3	73.9

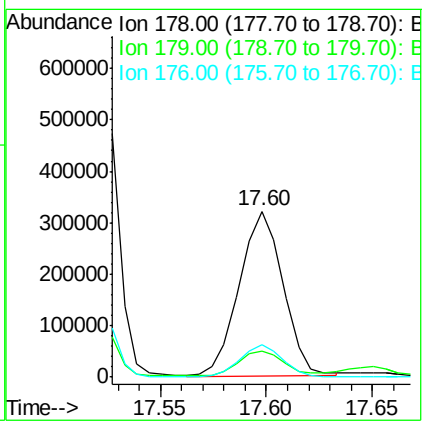


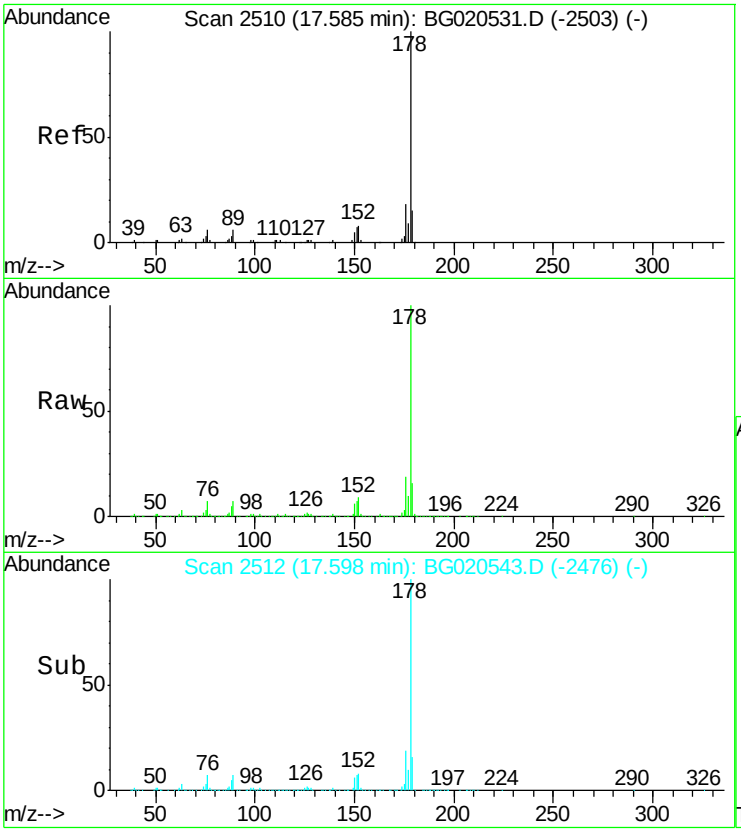


#70
Phenanthrene
Concen: 53.49 ng/ul
RT: 17.60 min Scan# 2512
Delta R.T. 0.10 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Tgt Ion:178 Resp: 464196

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.9	19.3
176	19.3	15.3	22.9



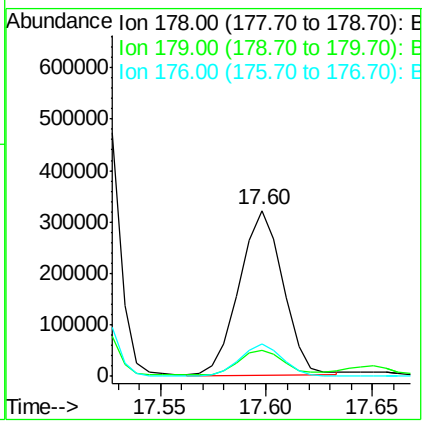


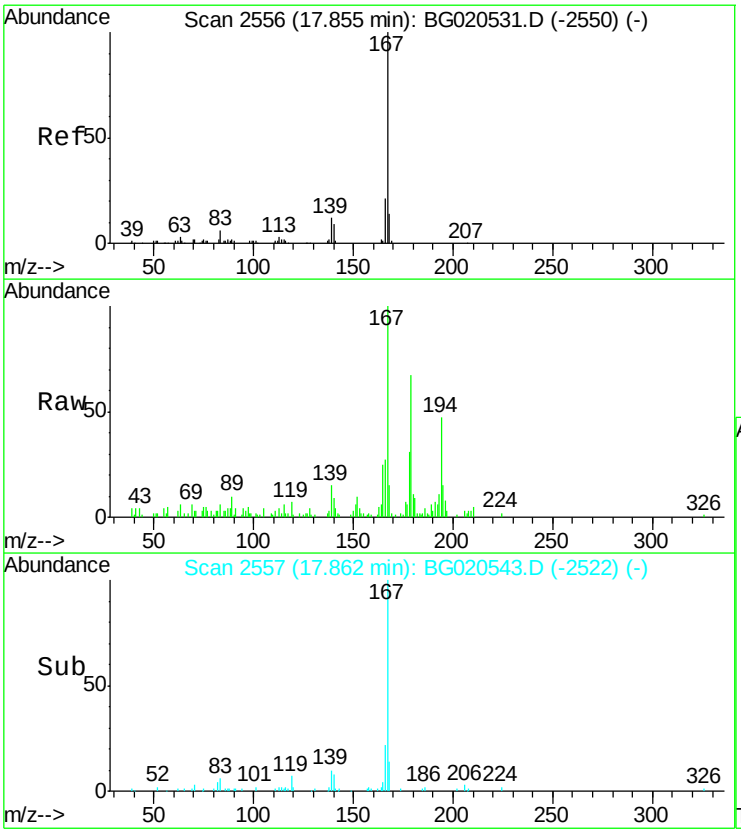
#72
Anthracene
Concen: 52.32 ng/ul
RT: 17.60 min Scan# 2512
Delta R.T. 0.01 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Instrument :
BNA_G
ClientSampleId :
G9D96MS

Tgt Ion:178 Resp: 464304

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	19.3	14.3	21.5

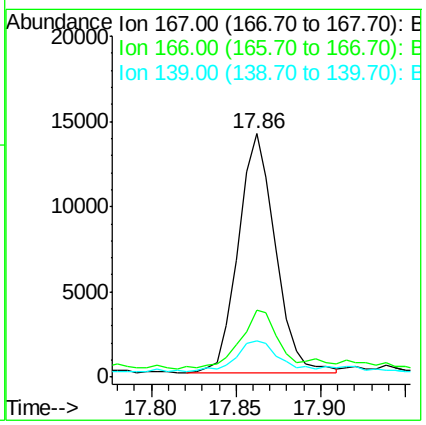


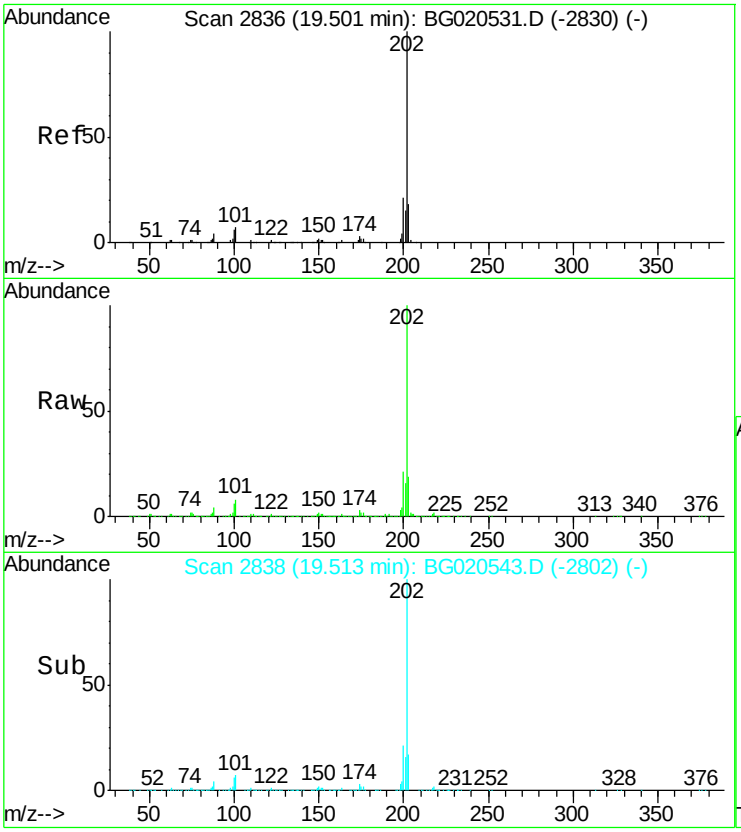


#75
Carbazole
Concen: 2.85 ng/ul
RT: 17.86 min Scan# 2557
Delta R.T. 0.01 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Tgt Ion:167 Resp: 21310

Ion	Ratio	Lower	Upper
167	100		
166	27.3	17.0	25.6#
139	14.7	10.1	15.1



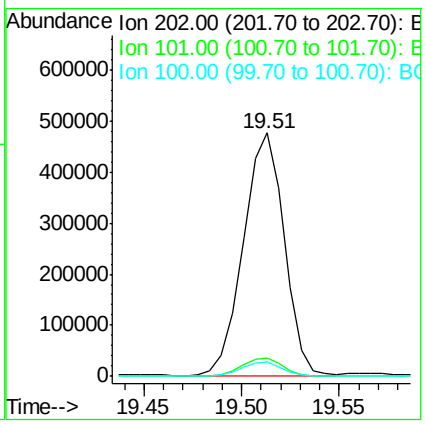


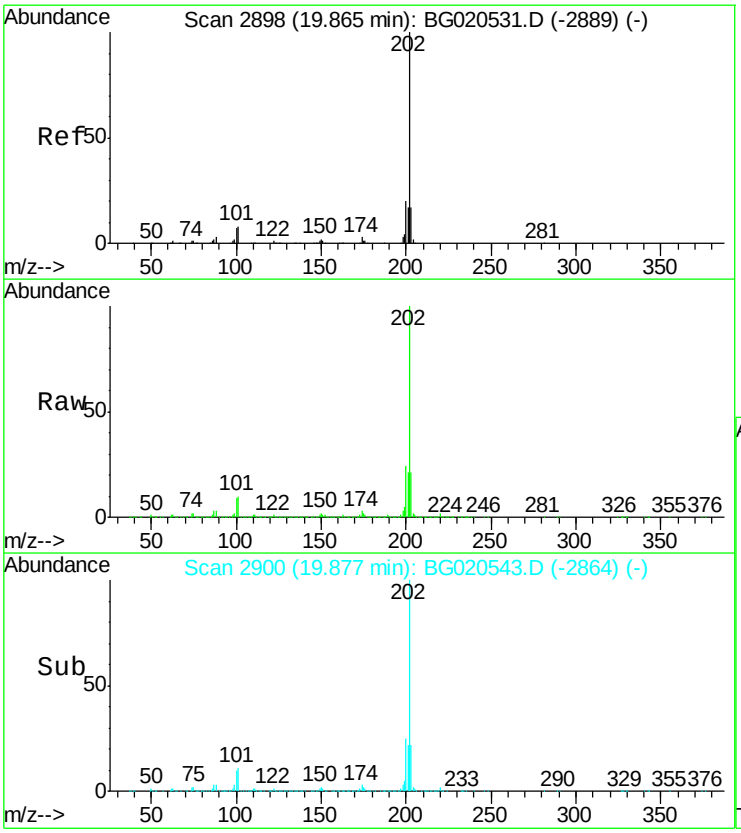
#77
Fluoranthene
Concen: 62.93 ng/ul
RT: 19.51 min Scan# 2838
Delta R.T. 0.01 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Instrument :
BNA_G
ClientSampleId :
G9D96MS

Tgt Ion:202 Resp: 686748

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

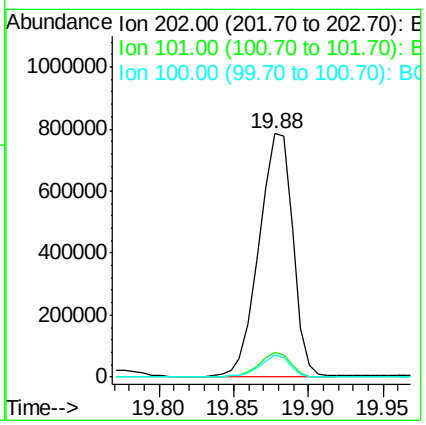


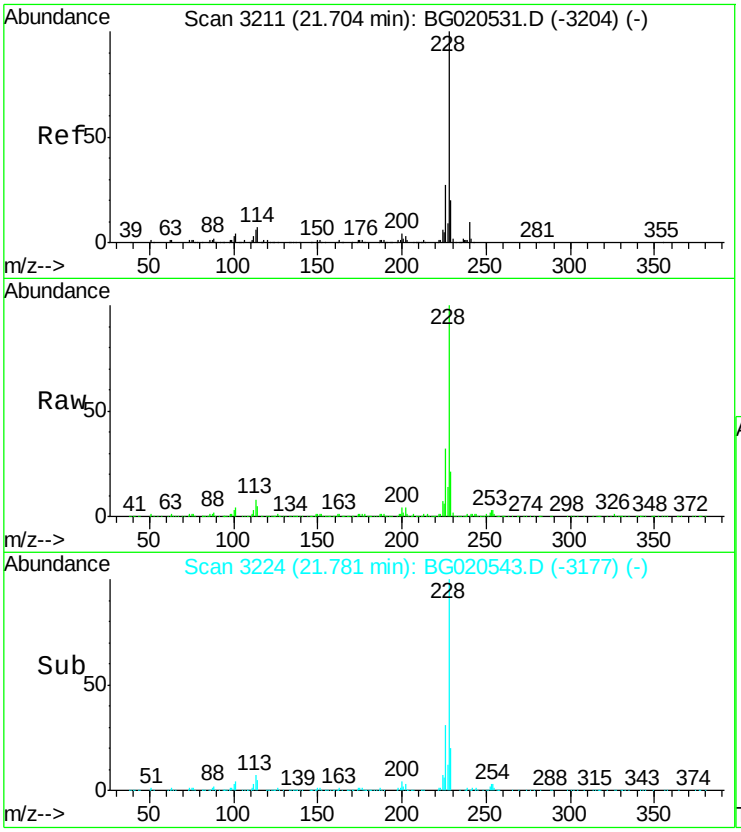


#80
Pyrene
Concen: 111.34 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. 0.01 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Tgt Ion:202 Resp: 1225749

Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.0	10.4
100	9.1	6.4	9.6



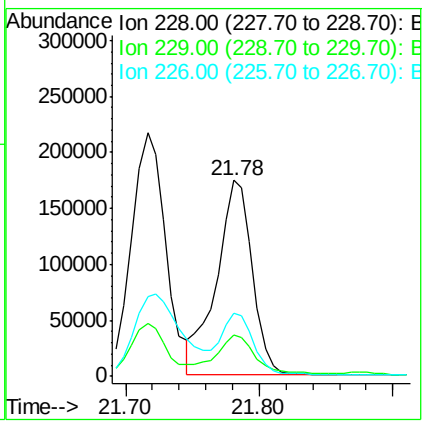


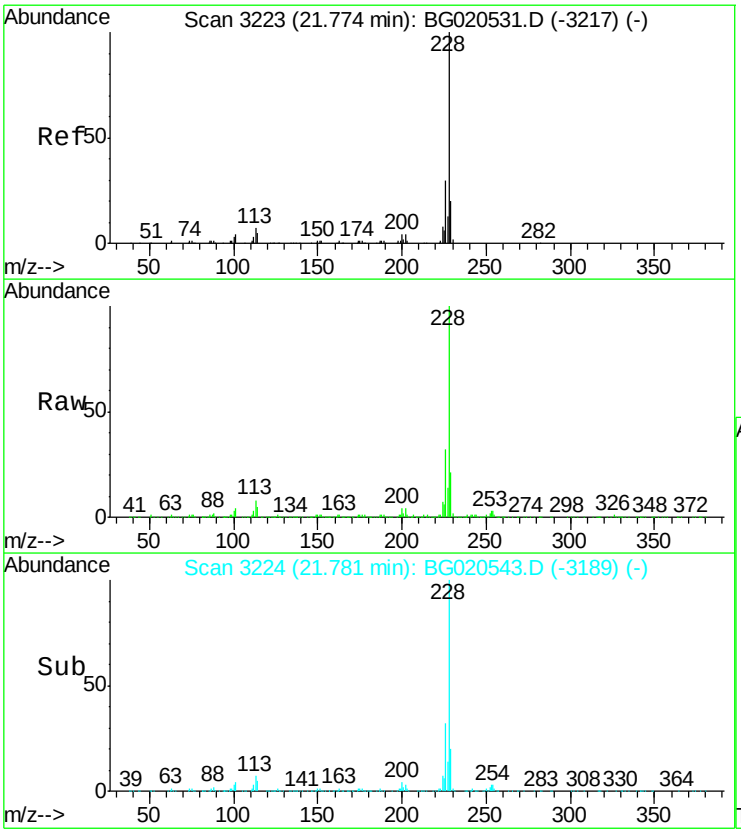
#83
Benzo(a)anthracene
Concen: 28.55 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. 0.08 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Instrument :
BNA_G
ClientSampleId :
G9D96MS

Tgt Ion:228 Resp: 326396

Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.8	23.8
226	32.3	21.8	32.6

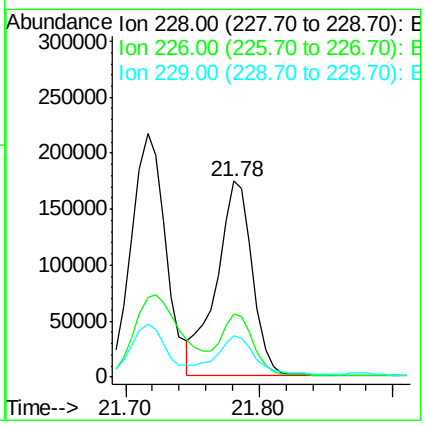


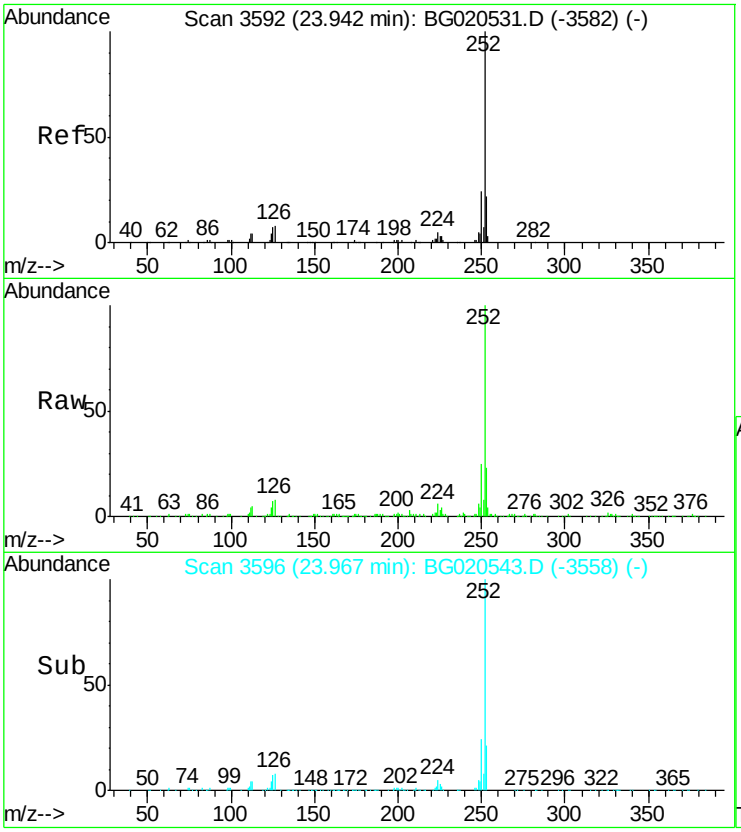


#85
Chrysene
Concen: 29.89 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. 0.01 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Tgt Ion:228 Resp: 325518

Ion	Ratio	Lower	Upper
228	100		
226	32.3	23.9	35.9
229	21.4	15.6	23.4



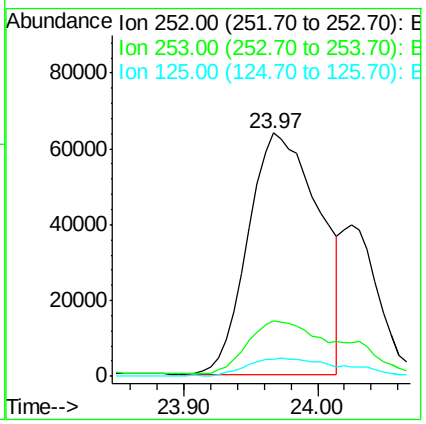


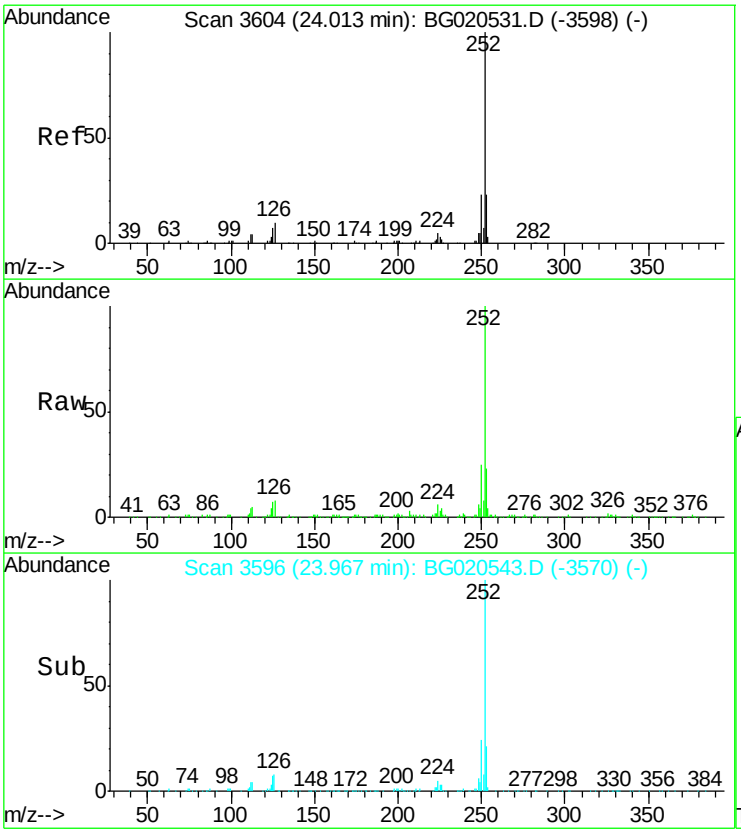
#88
Benzo(b)fluoranthene
Concen: 20.87 ng/ul
RT: 23.97 min Scan# 3596
Delta R.T. 0.02 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Instrument :
BNA_G
ClientSampleId :
G9D96MS

Tgt Ion:252 Resp: 235218

Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.7	25.1
125	7.1	6.2	9.2

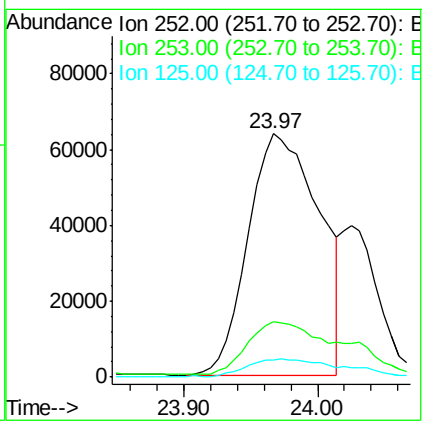


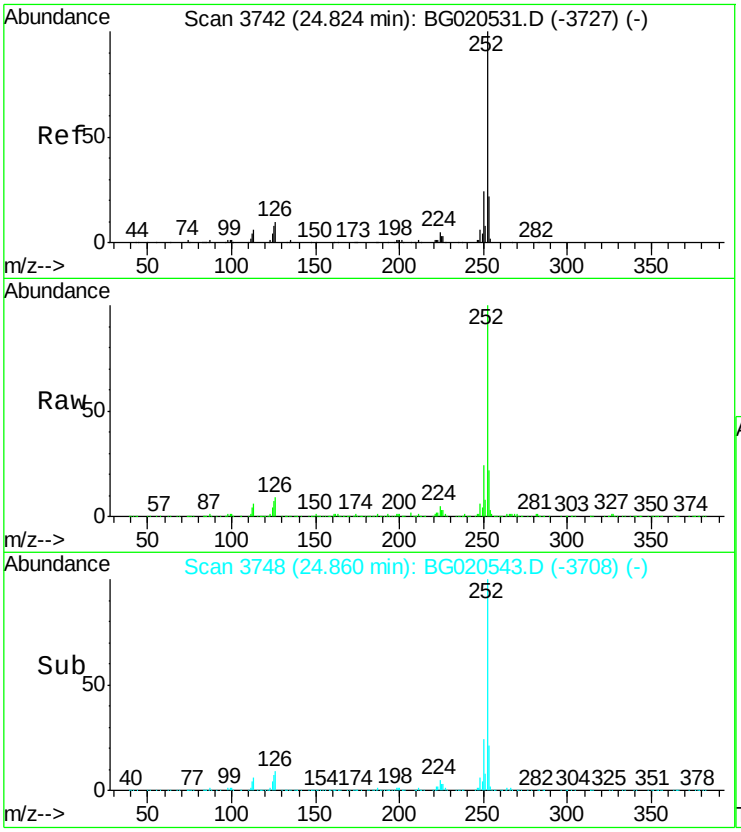


#89
Benzo(k)fluoranthene
Concen: 21.59 ng/ul
RT: 23.97 min Scan# 3596
Delta R.T. -0.05 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Tgt Ion:252 Resp: 235218

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	7.1	5.8	8.6



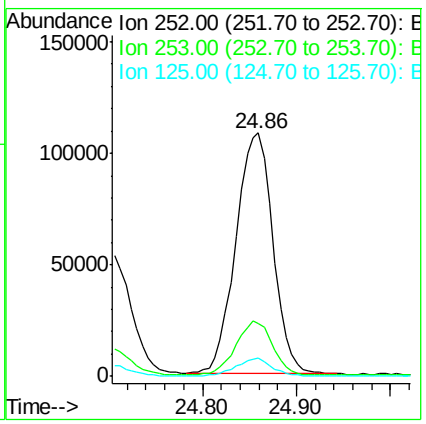


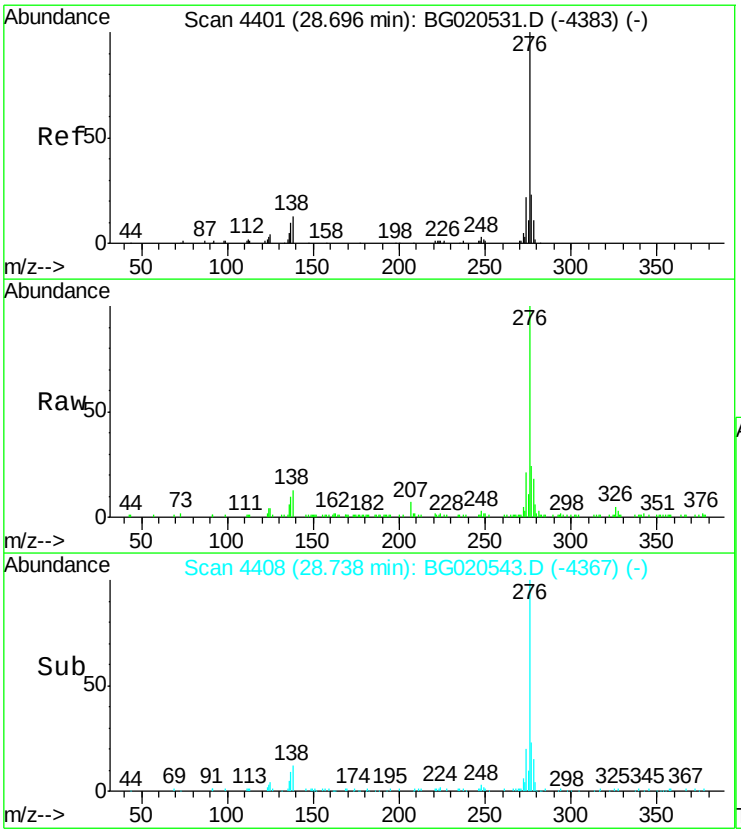
#91
Benzo(a)pyrene
Concen: 27.36 ng/ul
RT: 24.86 min Scan# 3748
Delta R.T. 0.04 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Instrument :
BNA_G
ClientSampleId :
G9D96MS

Tgt Ion:252 Resp: 296391

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.4
125	7.3	6.2	9.4

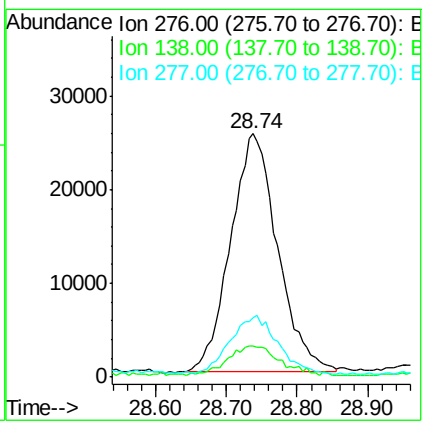


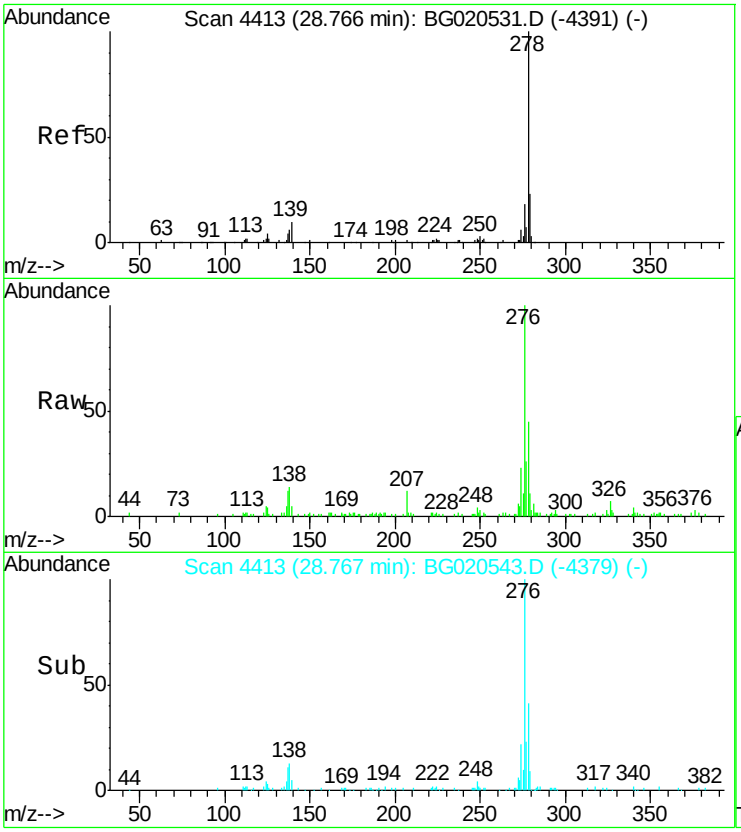


#92
Indeno(1,2,3-cd)pyrene
Concen: 9.11 ng/ul
RT: 28.74 min Scan# 4408
Delta R.T. 0.04 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Tgt Ion:276 Resp: 118172

Ion	Ratio	Lower	Upper
276	100		
138	13.0	11.4	17.0
277	24.5	17.4	26.0



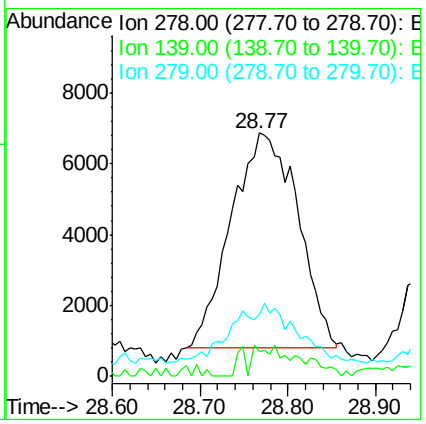


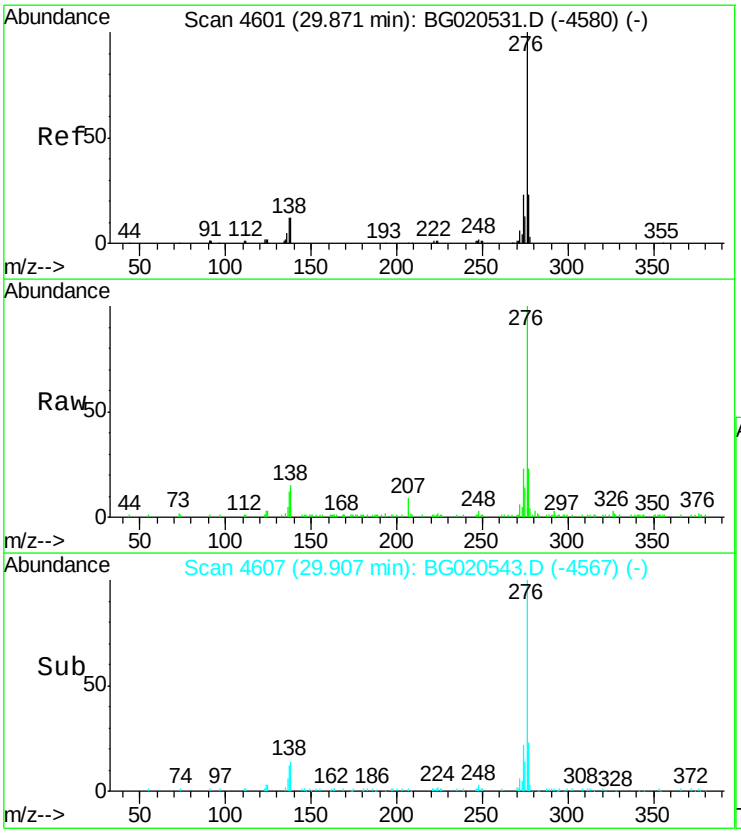
#93
Dibenzo(a,h)anthracene
Concen: 2.95 ng/ul
RT: 28.77 min Scan# 4413
Delta R.T. 0.00 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Instrument :
BNA_G
ClientSampleId :
G9D96MS

Tgt Ion:278 Resp: 31795

Ion	Ratio	Lower	Upper
278	100		
139	10.3	9.4	14.2
279	25.6	19.4	29.0





#94
Benzo(g,h,i)perylene
Concen: 11.53 ng/ul
RT: 29.91 min Scan# 4607
Delta R.T. 0.04 min
Lab File: BG020543.D
Acq: 26 Dec 2015 16:48

Tgt Ion:276 Resp: 122910

Ion	Ratio	Lower	Upper
276	100		
138	14.6	10.8	16.2
277	23.4	19.9	29.9