Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052316\
Data File : BG022056.D
Acq On : 23 May 2016 21:19
Operator : UM/SJ
Sample : H3086-20MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

Quant Time: May 24 07:46:29 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 07:40:24 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	45860	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	197138	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	101978	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.56	188	183055	20.00	ng/ul	0.02
75) Chrysene-d12	21.86	240	217322	20.00	ng/ul	0.05
83) Perylene-d12	25.31	264	138666	20.00	ng/ul	0.16
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	880	1.00	ng/uL	0.00
5) Phenol-d5	7.32	99	48477	11.70	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	24448	11.25	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	41859	12.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	41796	11.89	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	22314	15.35	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	24002	15.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	40558	14.60	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	143910	47.56	ng/ul	-0.02
43) Dimethylphthalate-d6	14.20	166	131144	17.12	ng/ul	0.01
46) Acenaphthylene-d8	14.51	160	162544	15.20	ng/ul	0.02
51) 4-Nitrophenol-d4	15.01	143	44181	33.49	ng/ul	0.02
57) Fluorene-d10	15.80	176	110961	15.47	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.90	200	10572	11.05	ng/ul	0.00
70) Anthracene-d10	17.65	188	152097	17.31	ng/ul	0.02
76) Pyrene-d10	19.94	212	171702	14.01	ng/ul	0.03
87) Benzo(a)pyrene-d12	25.07	264	117589	18.28	ng/ul	0.14
Target Compounds						Qvalue
6) Phenol	7.35	94	48159	11.54	ng/ul	98
10) 2-Chlorophenol	7.73	128	41452	12.14	ng/ul	95
14) Acetophenone	8.97	105	5318	1.08	ng/ul#	36
15) N-Nitroso-di-n-propylamine	8.96	70	31952	12.59	ng/ul	98
17) Hexachloroethane	9.27	117	2987	2.19	ng/ul#	10
28) Naphthalene	11.03	128	14147	1.42	ng/ul#	6
32) Caprolactam	11.88	113	17024	15.58	ng/ul#	1
33) 4-Chloro-3-methylphenol	12.26	107	39714	13.68	ng/ul	91
34) 2-Methylnaphthalene	12.64	142	453490	63.47	ng/ul	100
39) 2,4,5-Trichlorophenol	13.33	196	3287	1.52	ng/ul#	31
40) 1,1'-Biphenyl	13.64	154	31596	3.76	ng/ul#	72
41) 2-Chloronaphthalene	13.64	162	19533	3.03	ng/ul#	1
44) Dimethylphthalate	14.25	163	41227	5.36	ng/ul#	40
47) Acenaphthylene	14.54	152	86598	7.95	ng/ul#	1
48) 3-Nitroaniline	14.70	138	4661	2.95	ng/ul#	65
49) Acenaphthene	14.87	153	452551	60.13	ng/ul	96
52) 4-Nitrophenol	15.03	109	28947	38.92	ng/ul#	47
53) Dibenzofuran	15.21	168	91124	9.79	ng/ul#	1
54) 2,4-Dinitrotoluene	15.21	165	148986	66.93	ng/ul#	64
58) Fluorene	15.86	166	230629	29.36	ng/ul#	91
60) 4-Nitroaniline	15.85	138	4634	2.67	ng/ul#	50
63) 4,6-Dinitro-2-methylphenol	15.90	198	1965	1.98	ng/ul#	1
64) N-Nitrosodiphenylamine	16.07	169	459054	79.32	ng/ul#	53

Quantitation Report (Not Reviewed)

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Data File : BG022056.D
Acq On : 23 May 2016 21:19
Operator : UM/SJ
Sample : H3086-20MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

Quant Time: May 24 07:46:29 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 07:40:24 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Pentachlorophenol	17.21	266	13232	11.83	ng/ul	88
69) Phenanthrene	17.60	178	612930	60.20	ng/ul#	92
71) Anthracene	17.69	178	24457	2.37	ng/ul#	56
72) Carbazole	17.95	167	11447	1.28	ng/ul#	1
73) Di-n-butylphthalate	18.49	149	42358	3.54	ng/ul#	5
74) Fluoranthene	19.60	202	65725	6.32	ng/ul#	85
77) Pyrene	19.97	202	496696	32.48	ng/ul	96
80) Benzo(a)anthracene	21.84	228	69947	5.49	ng/ul#	29
81) Bis(2-ethylhexyl)phthalate	21.71	149	24417	2.37	ng/ul#	76
82) Chrysene	21.91	228	135339	11.07	ng/ul#	60
88) Benzo(a)pyrene	25.14	252	8225	1.05	ng/ul#	1

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052316\
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Sample : H3086-20MS
Misc :
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Instrument :
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ClientSampleId :

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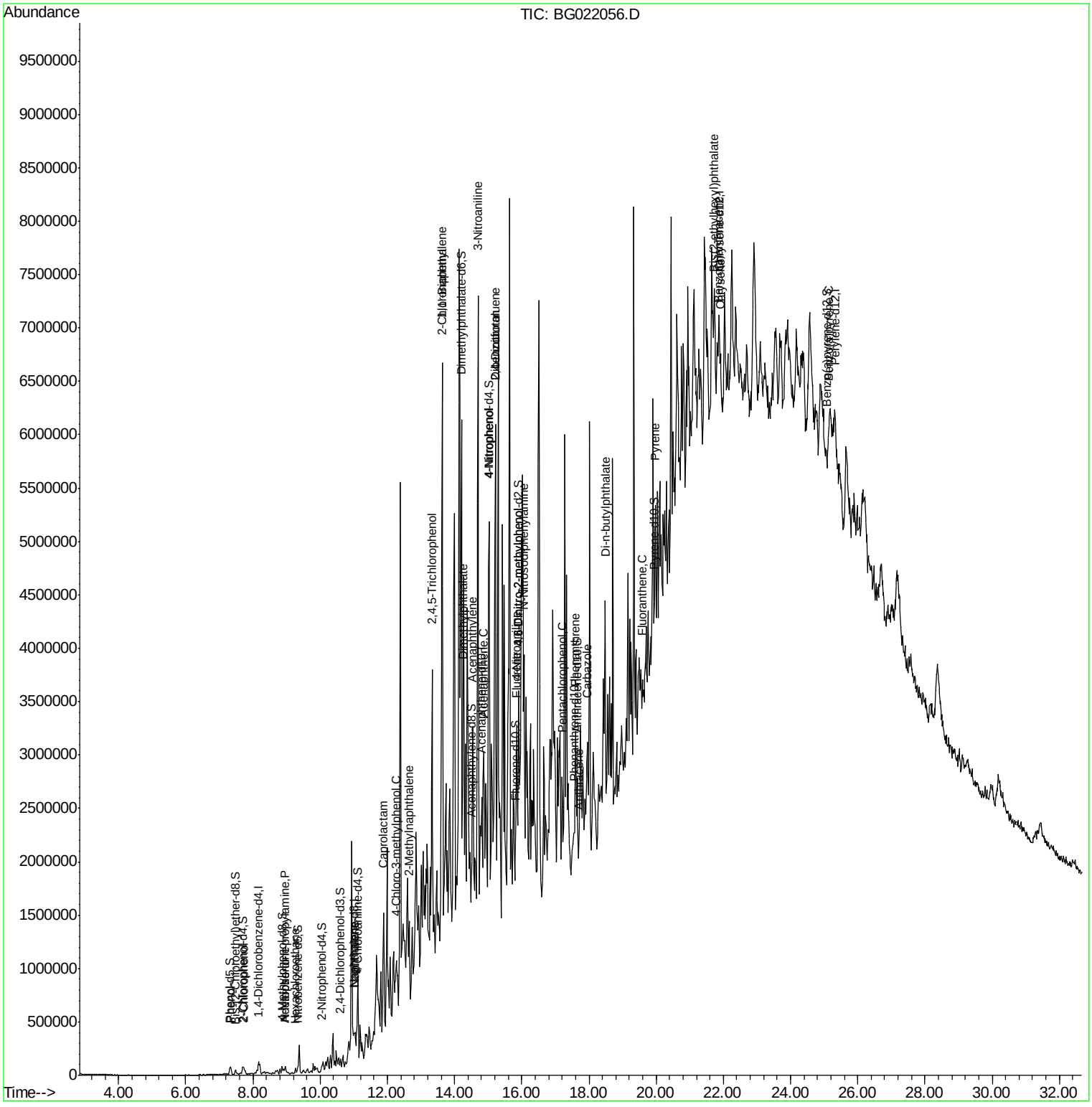
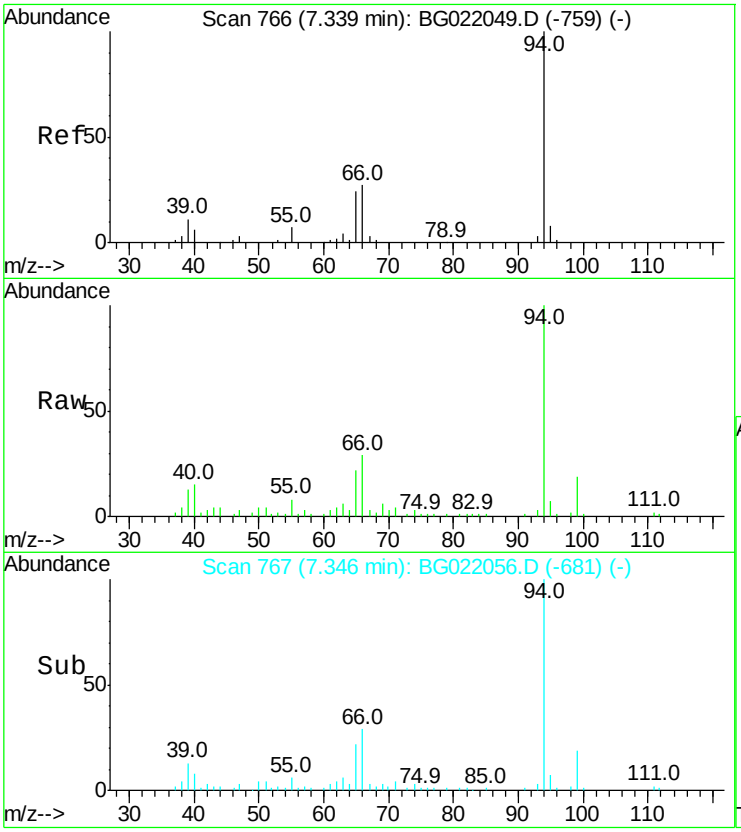
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 07:40:24 2016
Response via : Initial Calibration



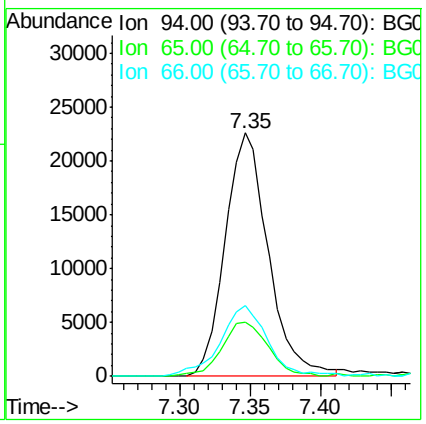


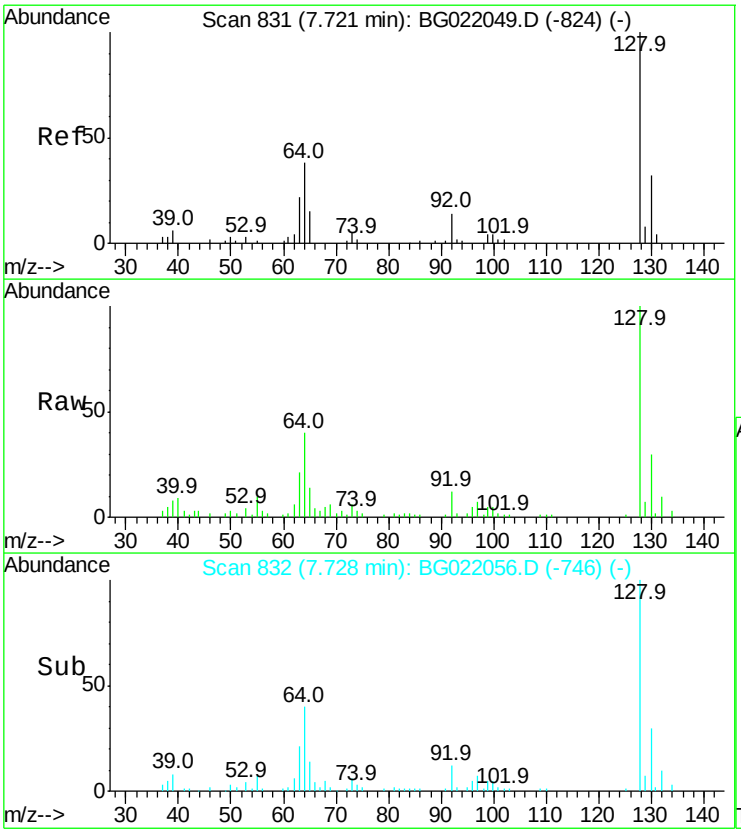
#6
Phenol
Concen: 11.54 ng/ul
RT: 7.35 min Scan# 767
Delta R.T. 0.01 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 94 Resp: 48159

Ion	Ratio	Lower	Upper
94	100		
65	22.3	16.8	25.2
66	29.1	22.6	33.8

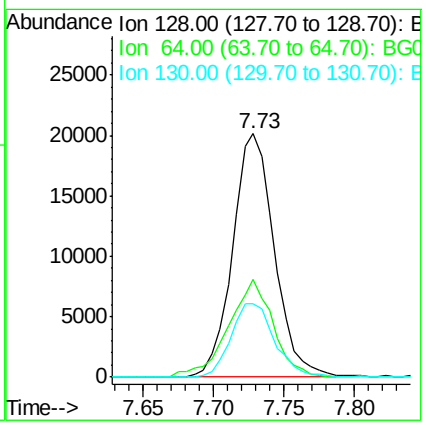


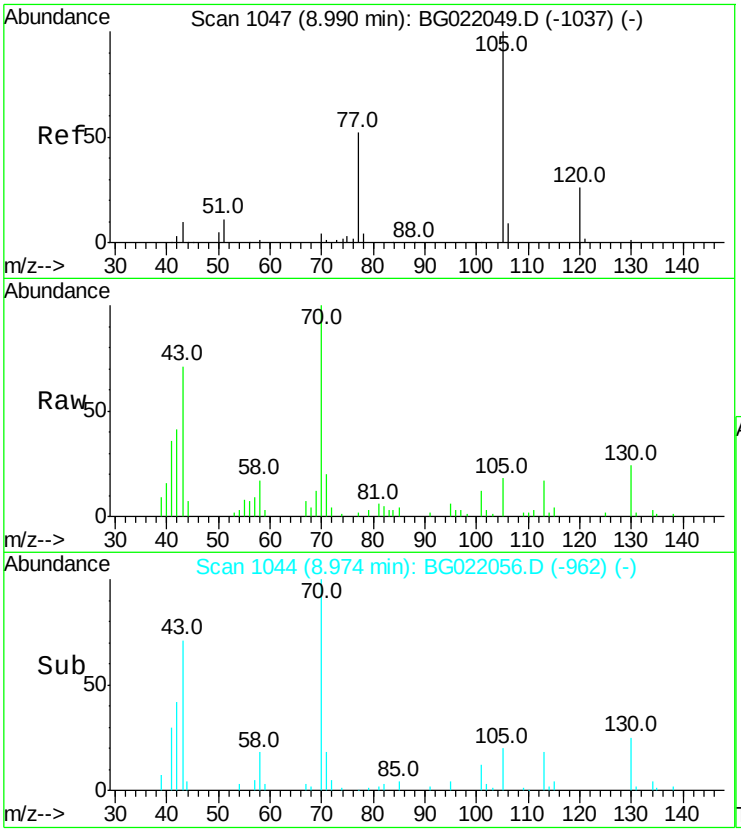


#10
2-Chlorophenol
Concen: 12.14 ng/ul
RT: 7.73 min Scan# 832
Delta R.T. 0.01 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion:128 Resp: 41452

Ion	Ratio	Lower	Upper
128	100		
64	40.0	34.2	51.4
130	30.2	27.0	40.4



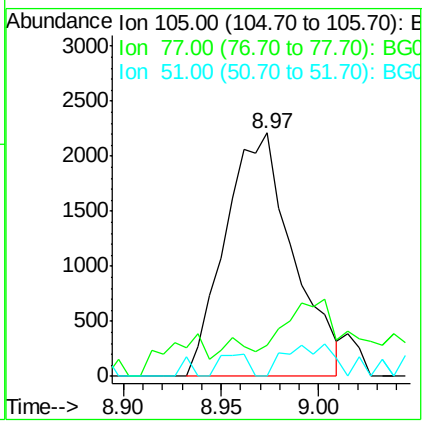


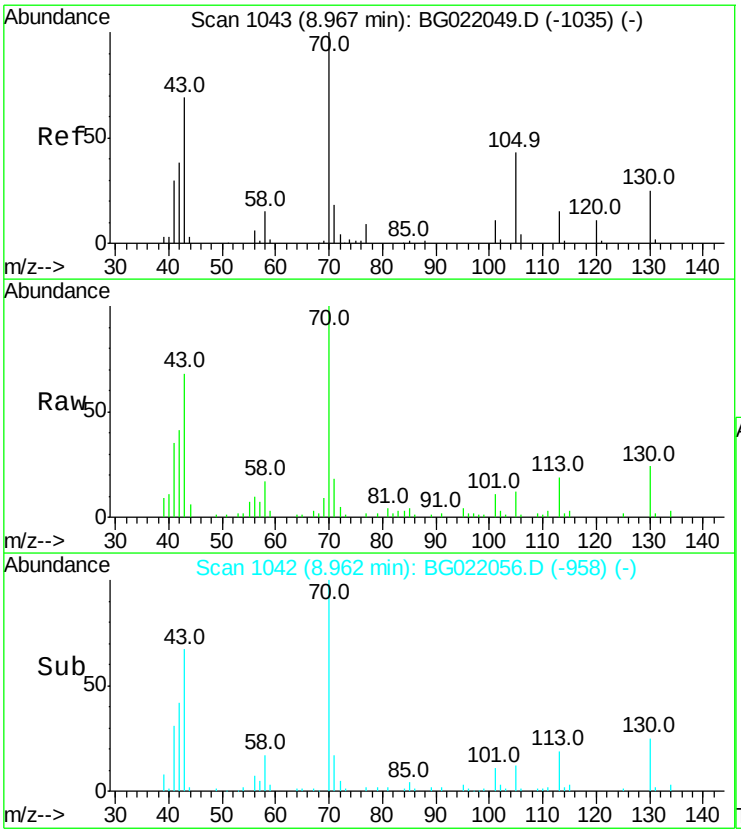
#14
Acetophenone
Concen: 1.08 ng/ul
RT: 8.97 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:105 Resp: 5318

Ion	Ratio	Lower	Upper
105	100		
77	12.8	56.1	84.1#
51	0.0	14.6	22.0#

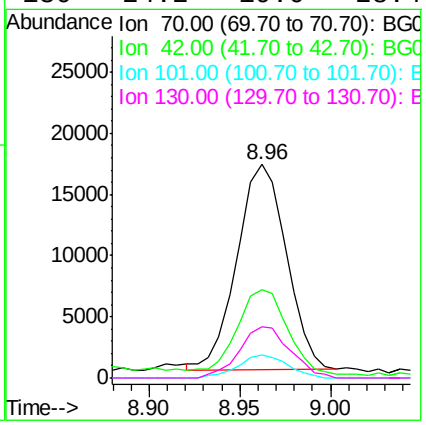


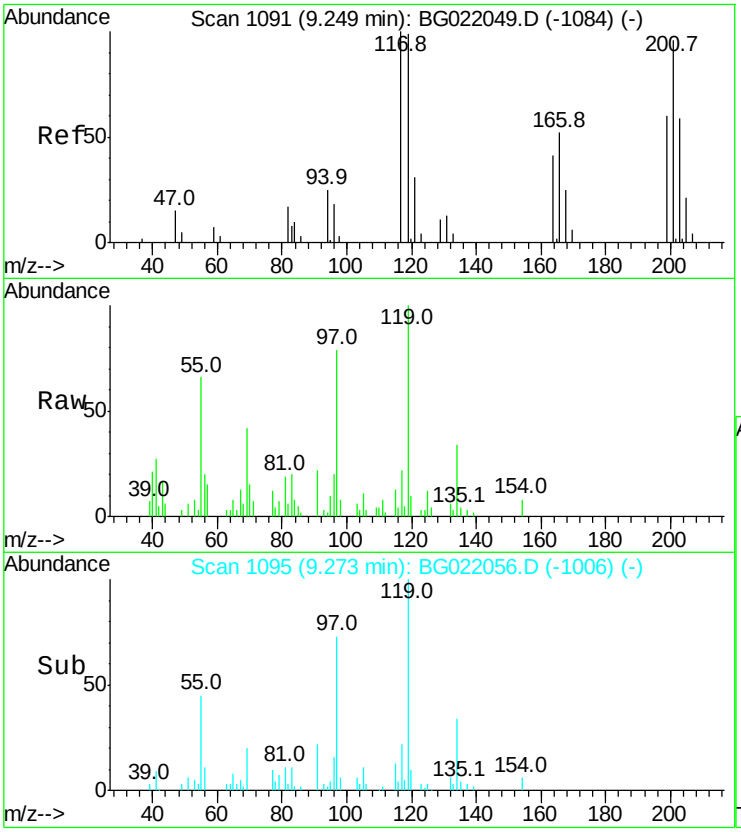


#15
N-Nitroso-di-n-propylamine
Concen: 12.59 ng/ul
RT: 8.96 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion: 70 Resp: 31952

Ion	Ratio	Lower	Upper
70	100		
42	41.5	31.4	47.2
101	11.0	8.6	13.0
130	24.2	19.0	28.4



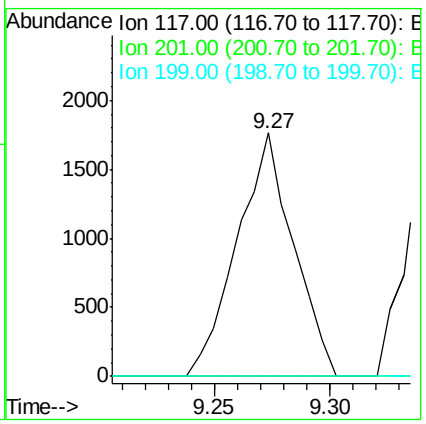


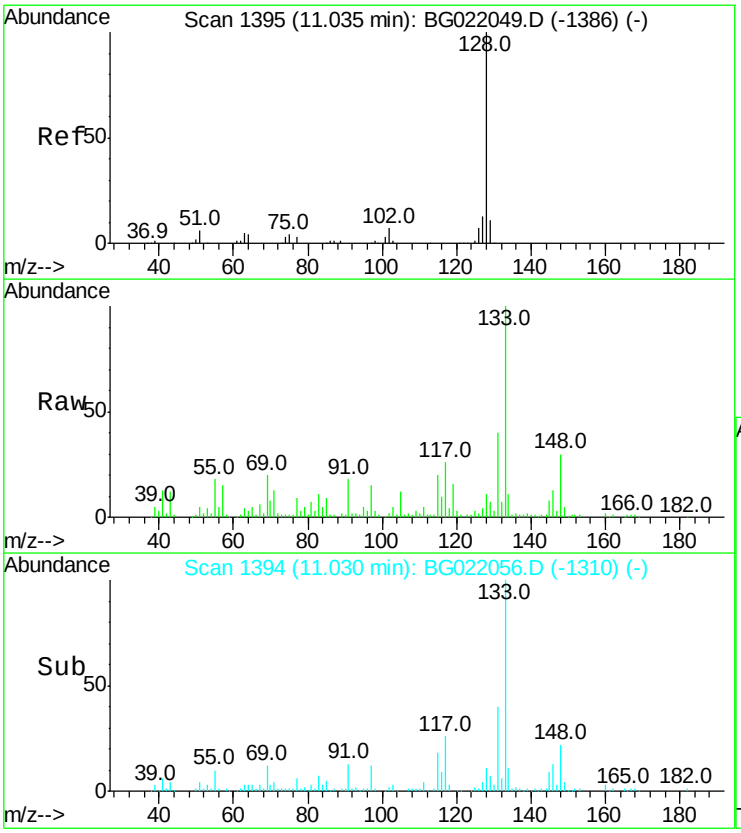
#17
Hexachloroethane
Concen: 2.19 ng/ul
RT: 9.27 min Scan# 1095
Delta R.T. 0.02 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:117 Resp: 2987

Ion	Ratio	Lower	Upper
117	100		
201	0.0	76.8	115.2#
199	0.0	43.5	65.3#

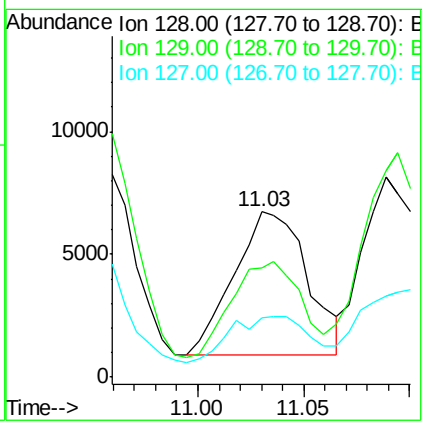


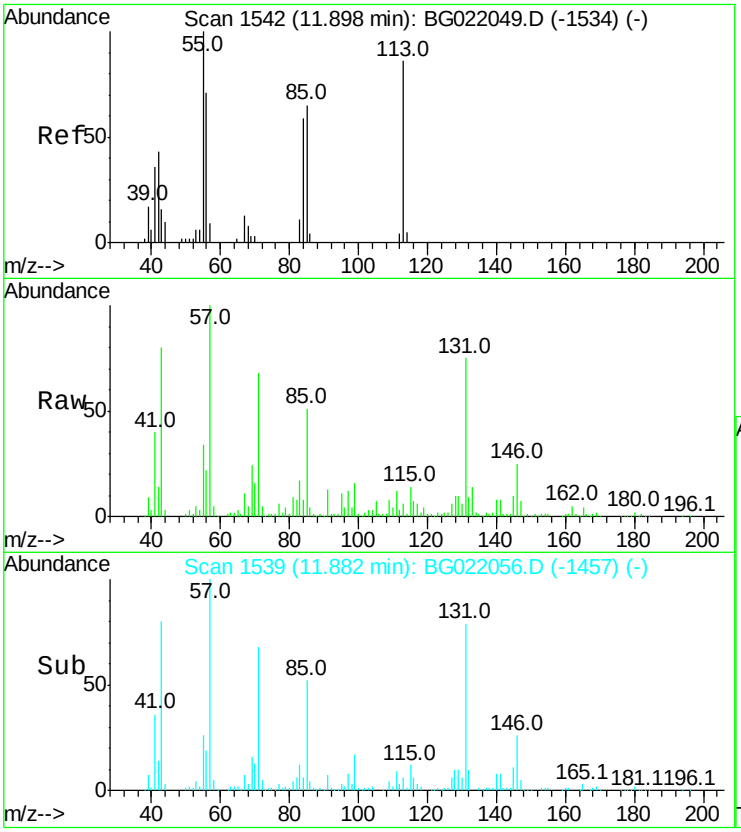


#28
Naphthalene
Concen: 1.42 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion:128 Resp: 14147

Ion	Ratio	Lower	Upper
128	100		
129	65.8	9.4	14.2#
127	36.2	11.2	16.8#



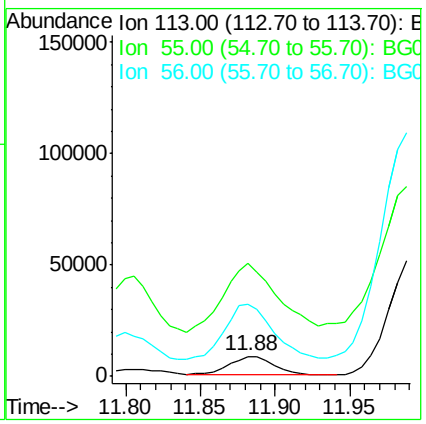


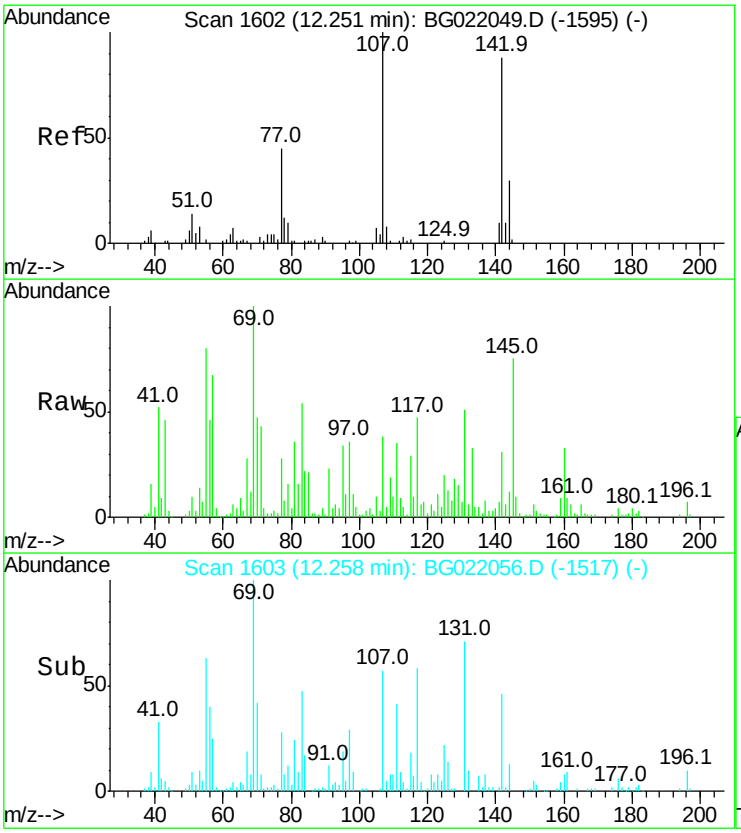
#32
Caprolactam
Concen: 15.58 ng/ul
RT: 11.88 min Scan# 1539
Delta R.T. -0.02 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:113 Resp: 17024

Ion	Ratio	Lower	Upper
113	100		
55	558.9	99.6	149.4#
56	359.3	66.4	99.6#

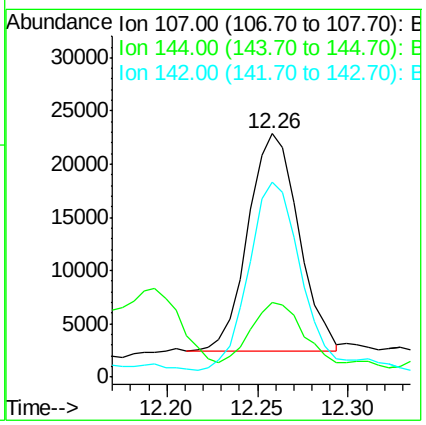


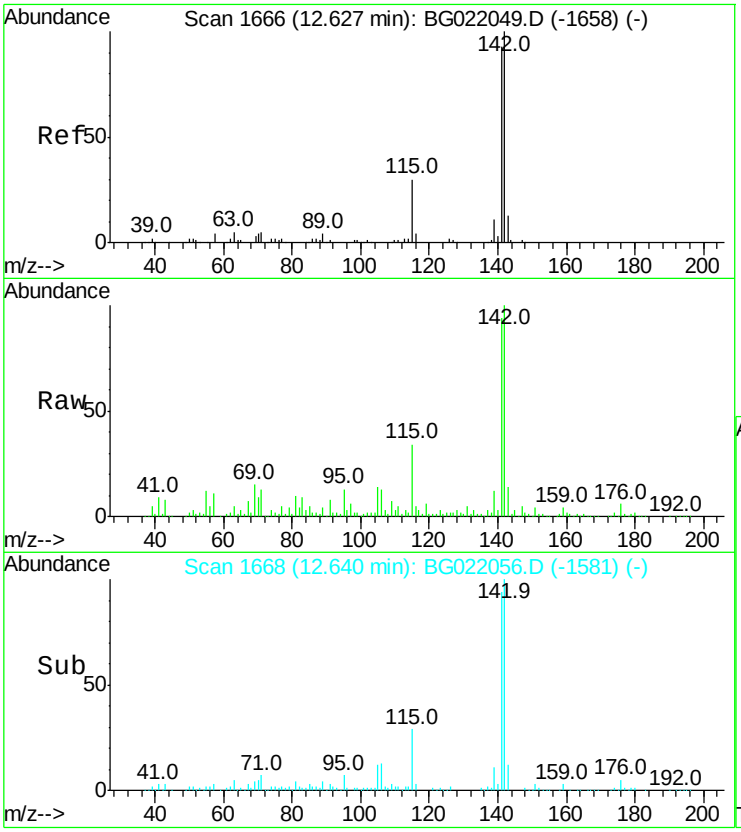


#33
4-Chloro-3-methylphenol
Concen: 13.68 ng/ul
RT: 12.26 min Scan# 1603
Delta R.T. 0.01 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion:107 Resp: 39714

Ion	Ratio	Lower	Upper
107	100		
144	30.7	22.7	34.1
142	80.2	71.6	107.4



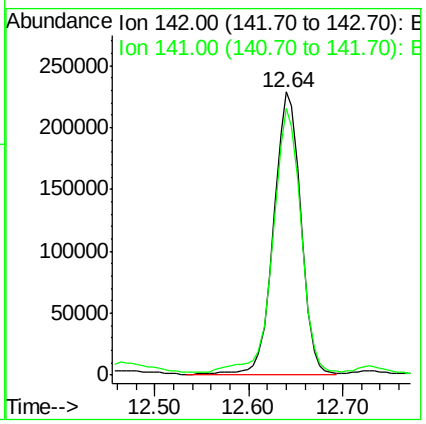


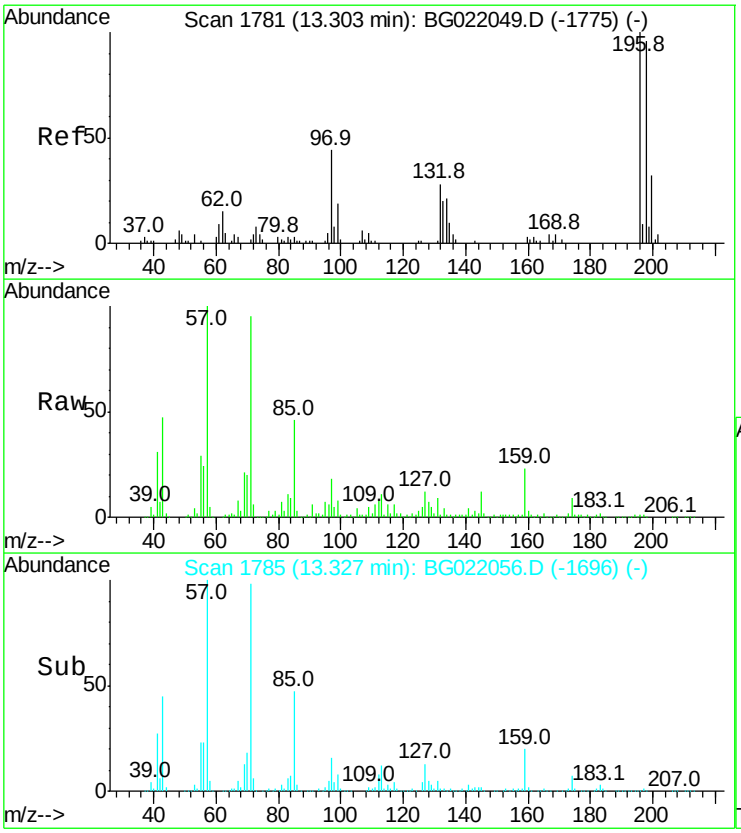
#34
2-Methylnaphthalene
Concen: 63.47 ng/ul
RT: 12.64 min Scan# 1668
Delta R.T. 0.01 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:142 Resp: 453490

Ion	Ratio	Lower	Upper
142	100		
141	94.3	75.2	112.8

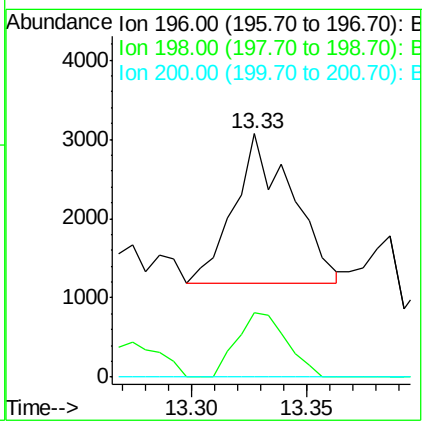


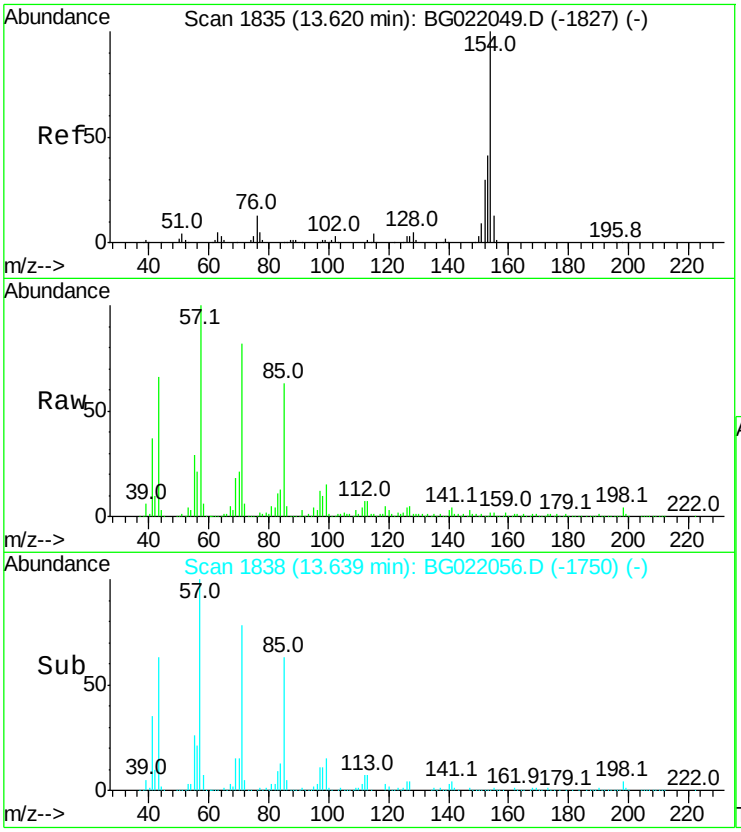


#39
2,4,5-Trichlorophenol
Concen: 1.52 ng/ul
RT: 13.33 min Scan# 1785
Delta R.T. 0.02 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion:196 Resp: 3287

Ion	Ratio	Lower	Upper
196	100		
198	26.6	79.8	119.8#
200	0.0	24.0	36.0#



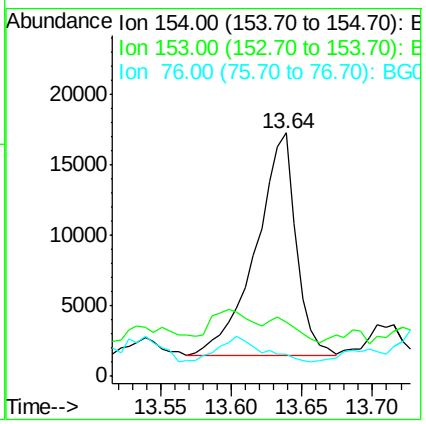


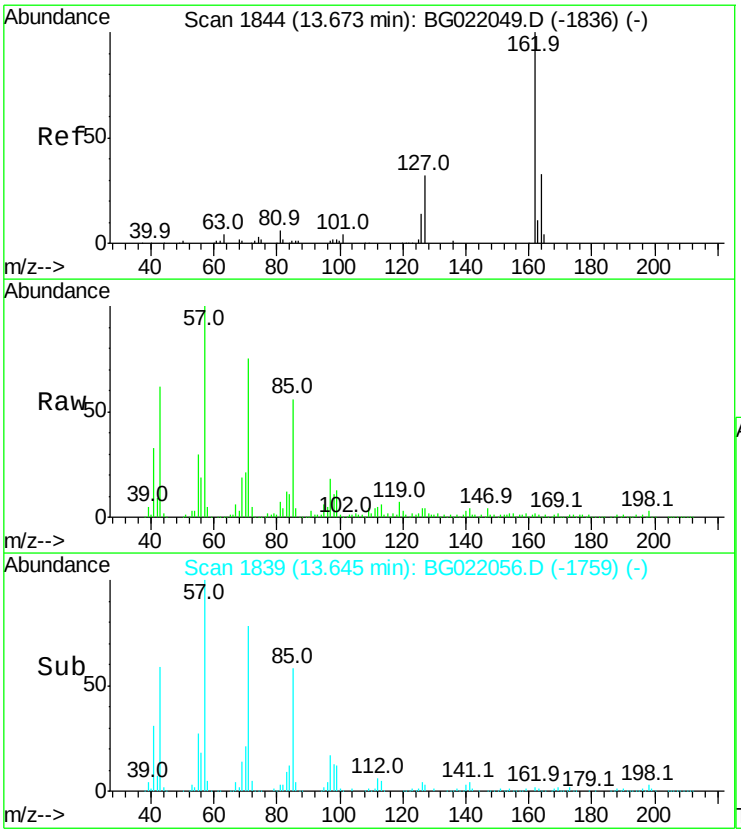
#40
1,1'-Biphenyl
Concen: 3.76 ng/ul
RT: 13.64 min Scan# 1838
Delta R.T. 0.02 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:154 Resp: 31596

Ion	Ratio	Lower	Upper
154	100		
153	22.4	34.6	52.0#
76	9.2	11.9	17.9#

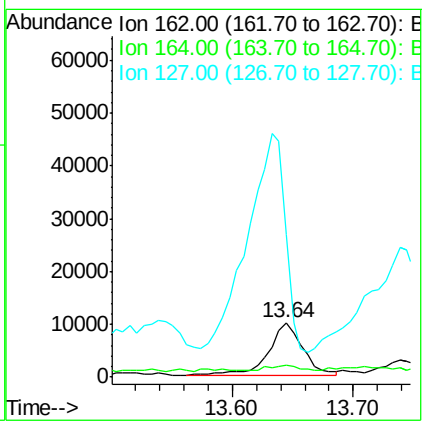


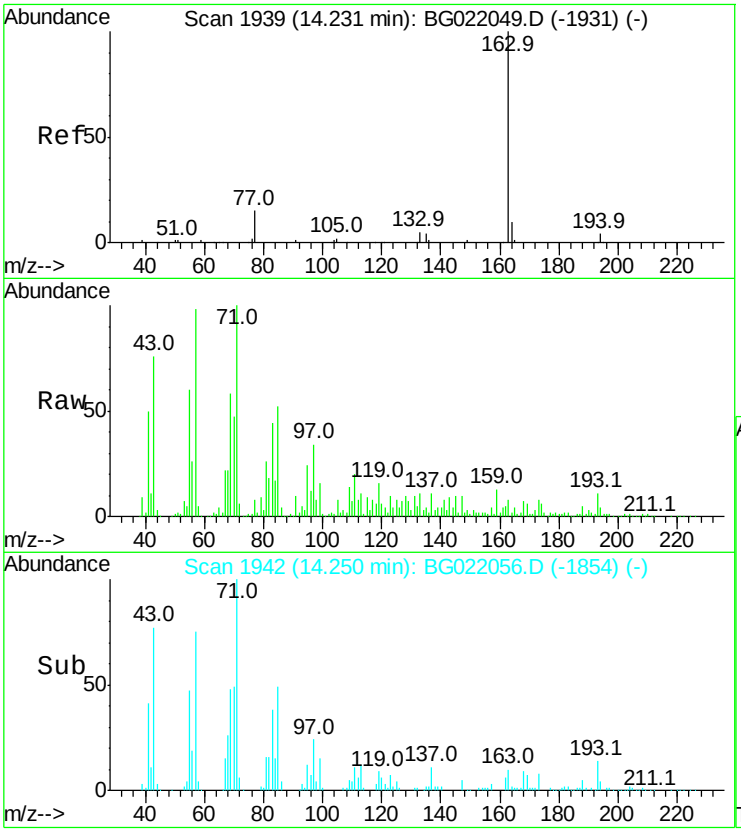


#41
2-Chloronaphthalene
Concen: 3.03 ng/ul
RT: 13.64 min Scan# 1839
Delta R.T. -0.03 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion:162 Resp: 19533

Ion	Ratio	Lower	Upper
162	100		
164	21.0	25.4	38.2#
127	260.8	30.2	45.4#



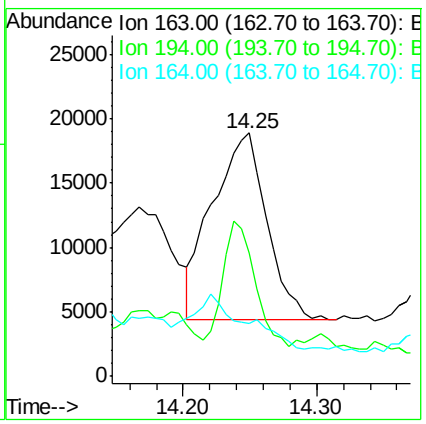


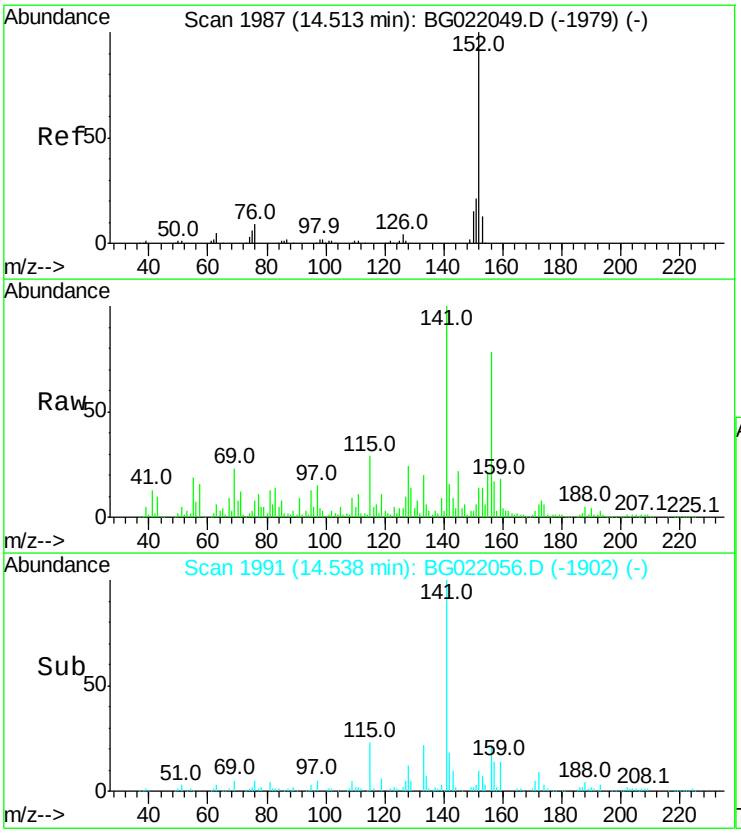
#44
Dimethylphthalate
Concen: 5.36 ng/ul
RT: 14.25 min Scan# 1942
Delta R.T. 0.02 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:163 Resp: 41227

Ion	Ratio	Lower	Upper
163	100		
194	50.5	3.4	5.2#
164	21.8	8.8	13.2#

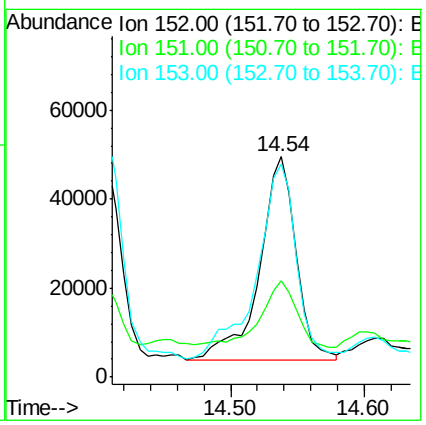


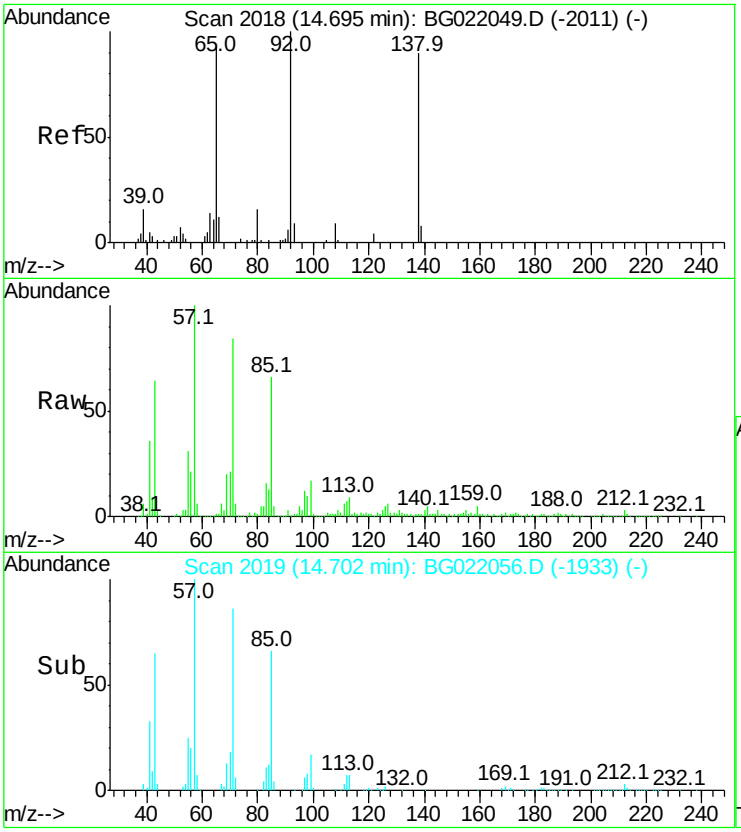


#47
Acenaphthylene
Concen: 7.95 ng/ul
RT: 14.54 min Scan# 1991
Delta R.T. 0.02 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion:152 Resp: 86598

Ion	Ratio	Lower	Upper
152	100		
151	43.6	17.5	26.3#
153	96.6	11.1	16.7#



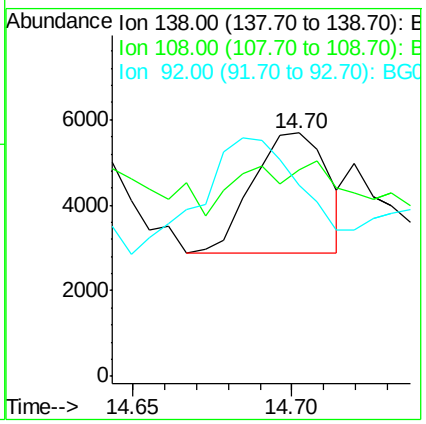


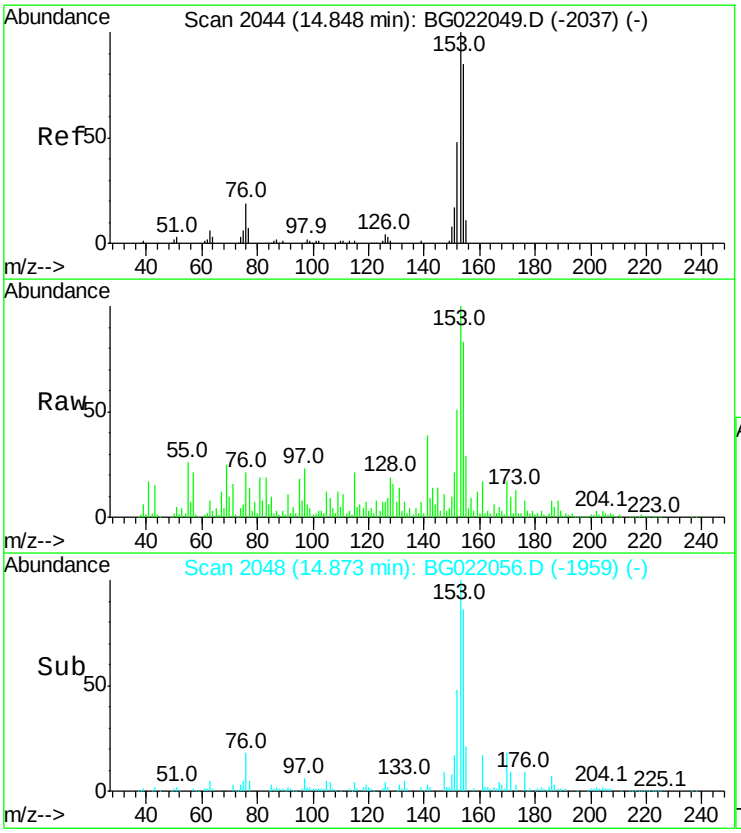
#48
3-Nitroaniline
Concen: 2.95 ng/ul
RT: 14.70 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:138 Resp: 4661

Ion	Ratio	Lower	Upper
138	100		
108	84.9	6.2	9.2#
92	78.3	79.3	118.9#

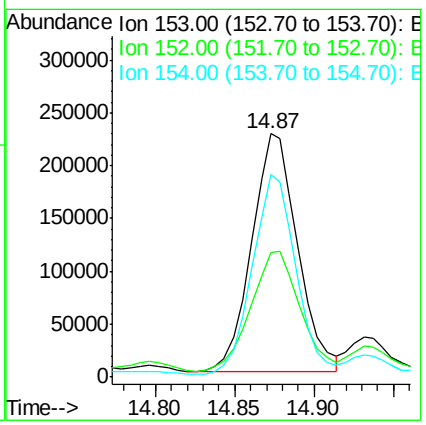


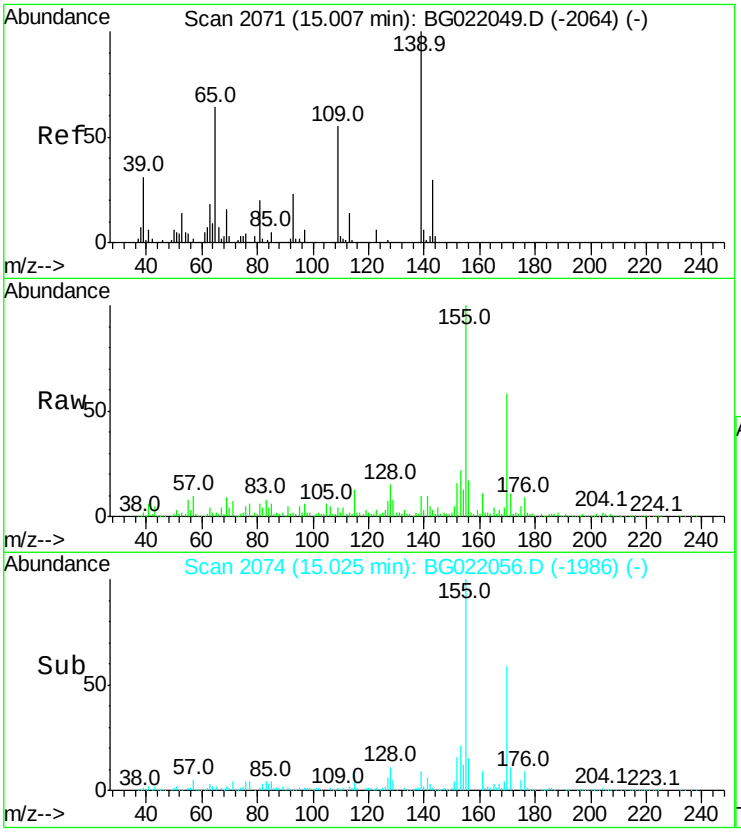


#49
Acenaphthene
Concen: 60.13 ng/ul
RT: 14.87 min Scan# 2048
Delta R.T. 0.02 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion:153 Resp: 452551

Ion	Ratio	Lower	Upper
153	100		
152	50.9	37.3	55.9
154	83.2	68.2	102.2



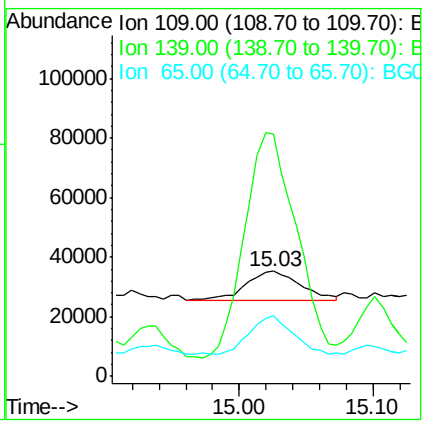


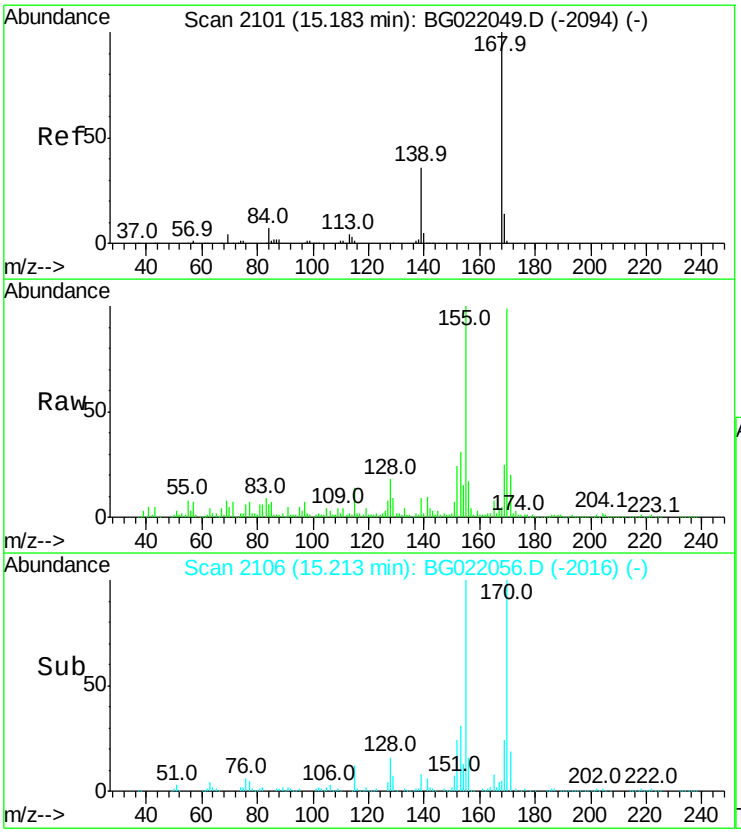
#52
4-Nitrophenol
Concen: 38.92 ng/ul
RT: 15.03 min Scan# 2074
Delta R.T. 0.02 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:109 Resp: 28947

Ion	Ratio	Lower	Upper
109	100		
139	230.7	136.1	204.1#
65	57.7	106.0	159.0#

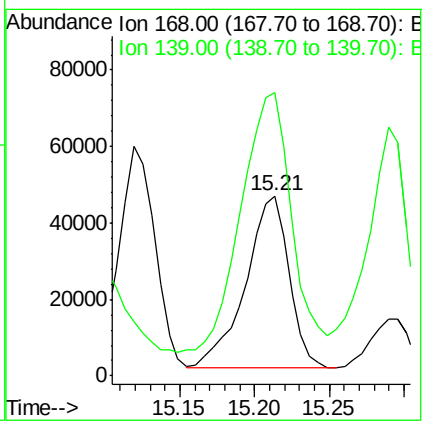


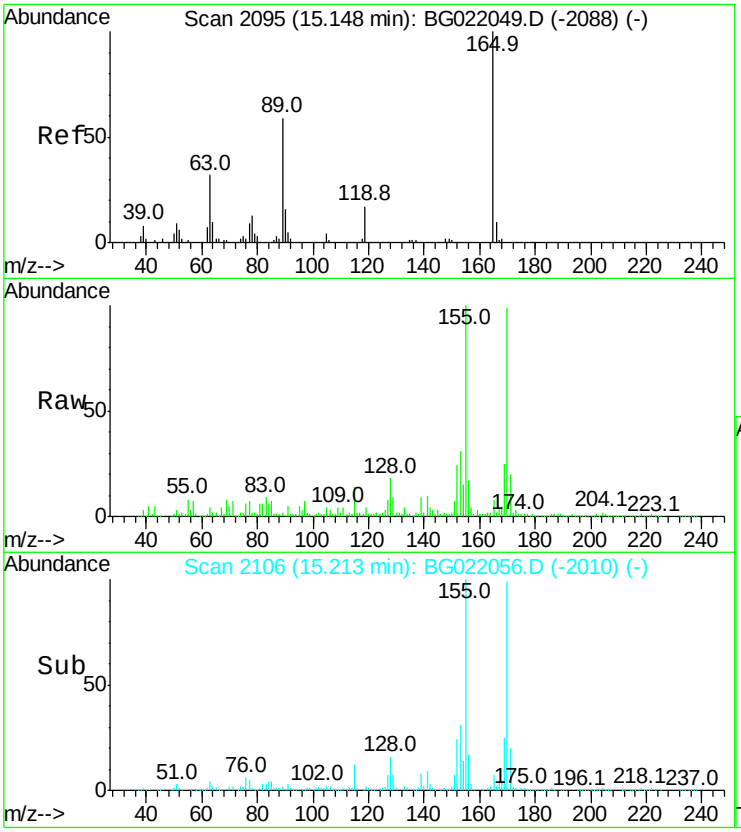


#53
Dibenzofuran
Concen: 9.79 ng/ul
RT: 15.21 min Scan# 2106
Delta R.T. 0.03 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion:168 Resp: 91124

Ion	Ratio	Lower	Upper
168	100		
139	157.5	27.4	41.0#



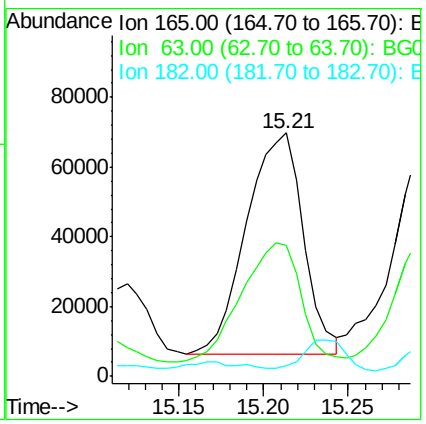


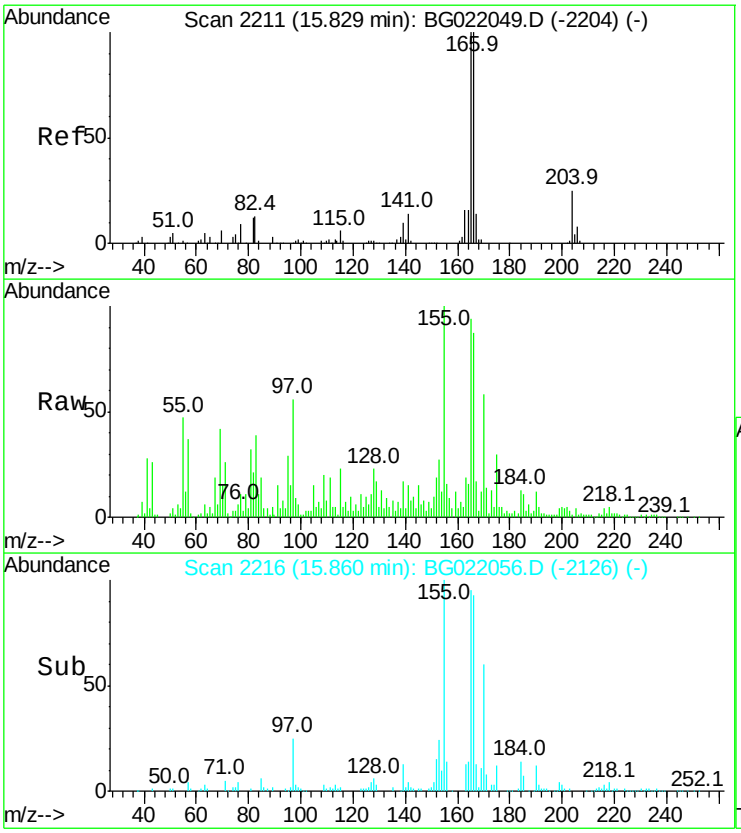
#54
2,4-Dinitrotoluene
Concen: 66.93 ng/ul
RT: 15.21 min Scan# 2106
Delta R.T. 0.07 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:165 Resp: 148986

Ion	Ratio	Lower	Upper
165	100		
63	53.7	25.7	38.5#
182	4.5	2.1	3.1#

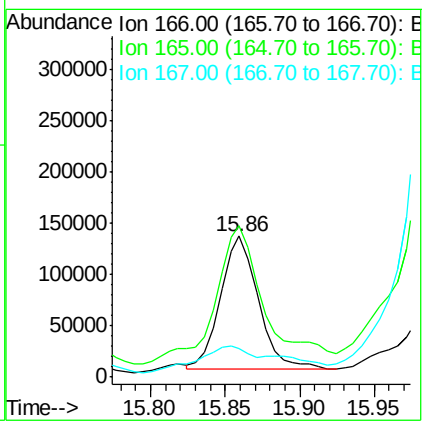


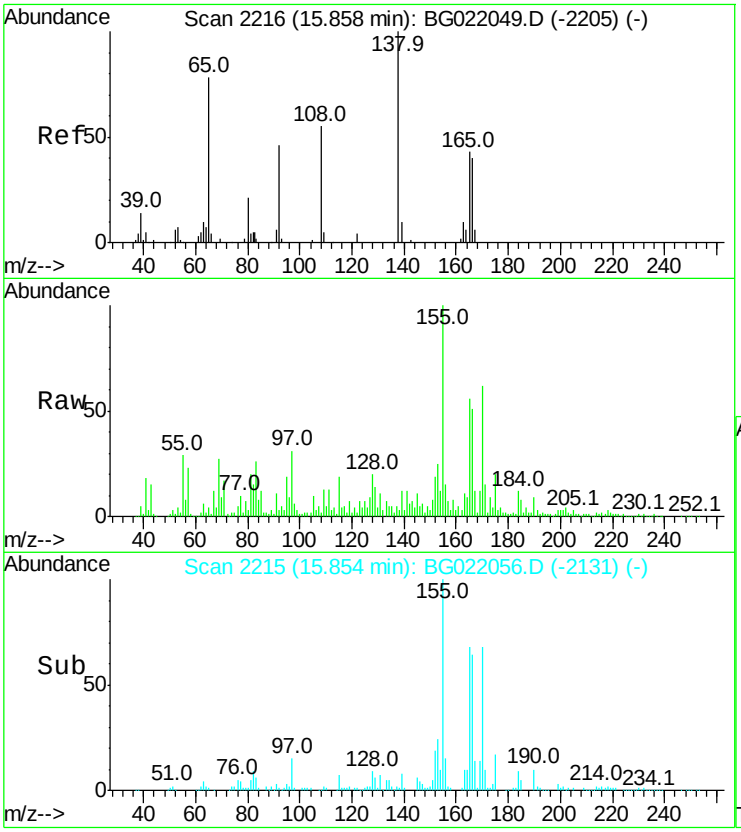


#58
Fluorene
Concen: 29.36 ng/ul
RT: 15.86 min Scan# 2216
Delta R.T. 0.03 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion:166 Resp: 230629

Ion	Ratio	Lower	Upper
166	100		
165	108.0	80.3	120.5
167	20.0	10.3	15.5#



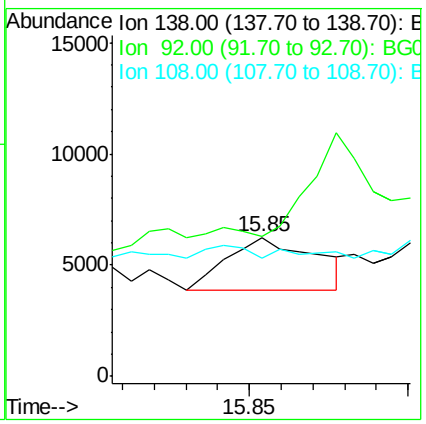


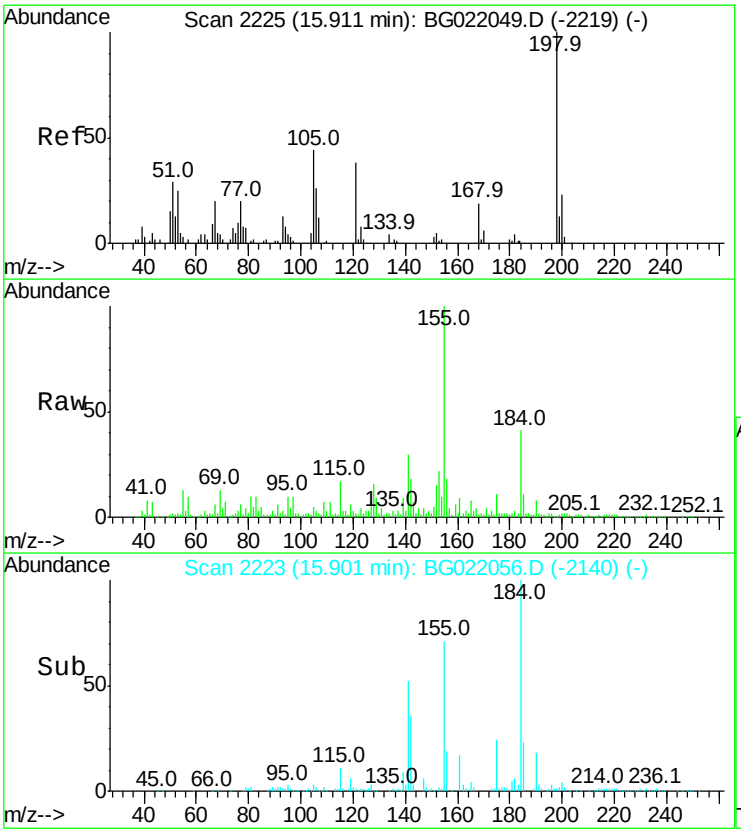
#60
4-Nitroaniline
Concen: 2.67 ng/ul
RT: 15.85 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:138 Resp: 4634

Ion	Ratio	Lower	Upper
138	100		
92	100.3	39.0	58.4#
108	84.7	49.2	73.8#

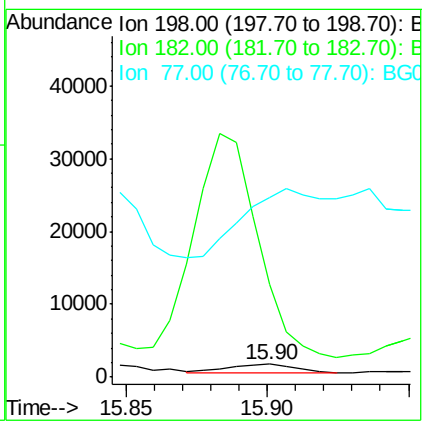


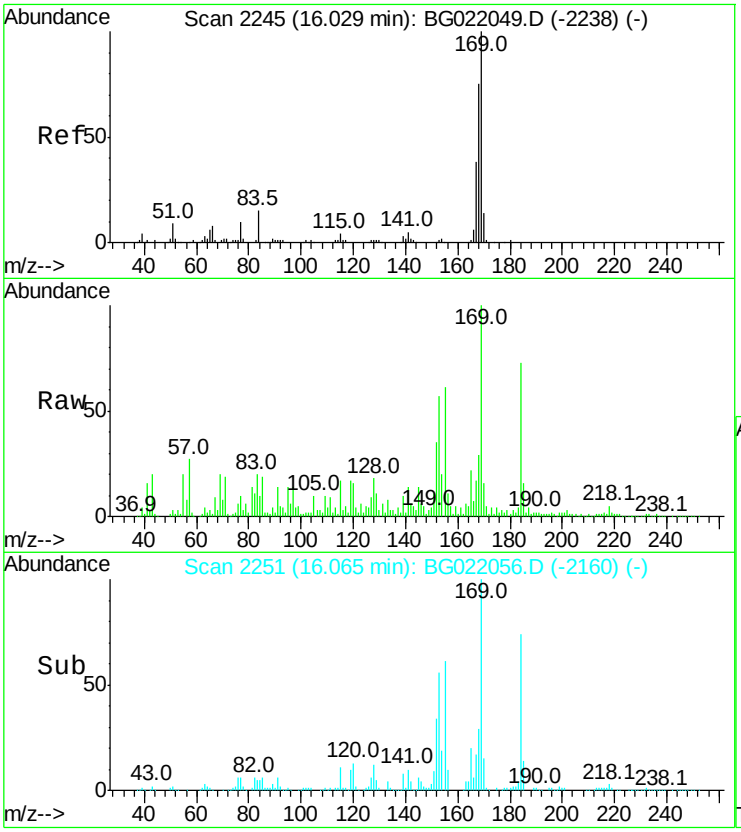


#63
4,6-Dinitro-2-methylphenol
Concen: 1.98 ng/ul
RT: 15.90 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion:198 Resp: 1965

Ion	Ratio	Lower	Upper
198	100		
182	732.7	4.2	6.2#
77	1422.0	16.7	25.1#



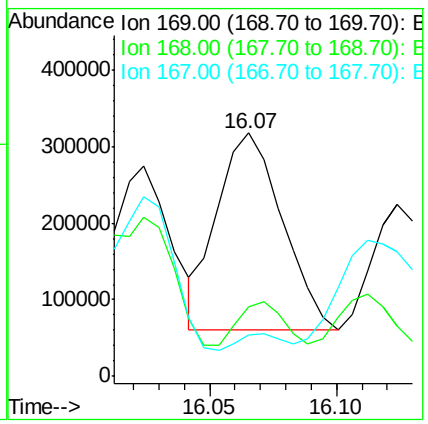


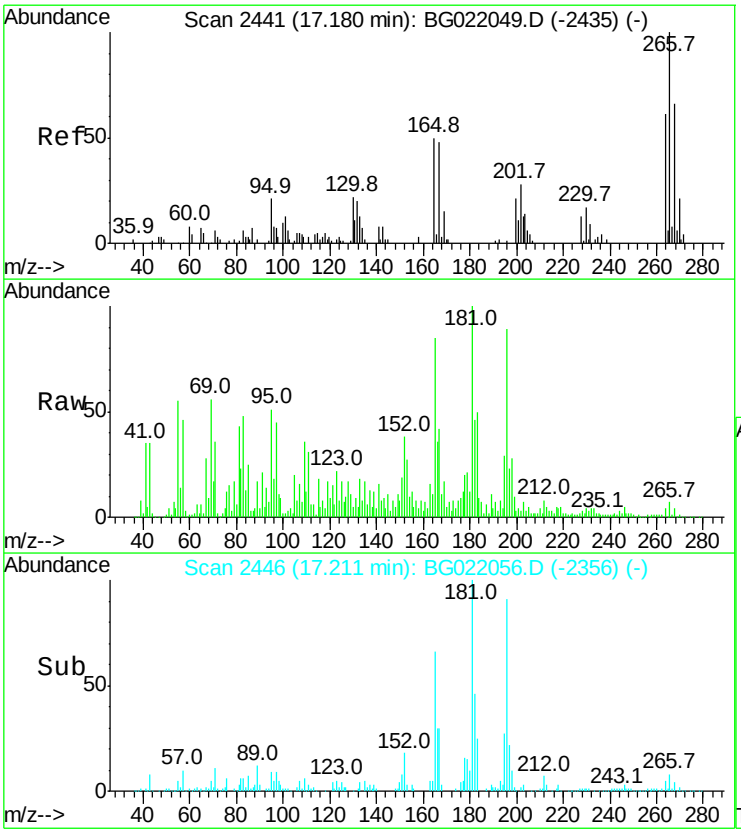
#64
N-Nitrosodiphenylamine
Concen: 79.32 ng/ul
RT: 16.07 min Scan# 2251
Delta R.T. 0.04 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:169 Resp: 459054

Ion	Ratio	Lower	Upper
169	100		
168	28.6	59.0	88.6#
167	17.2	30.6	46.0#

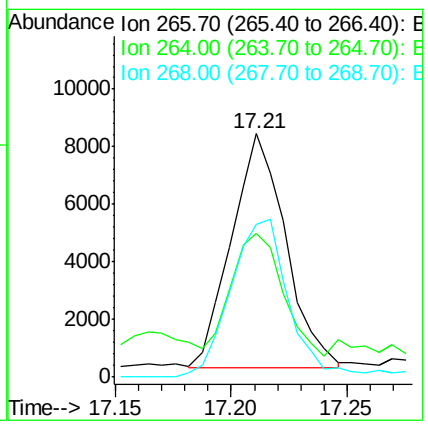


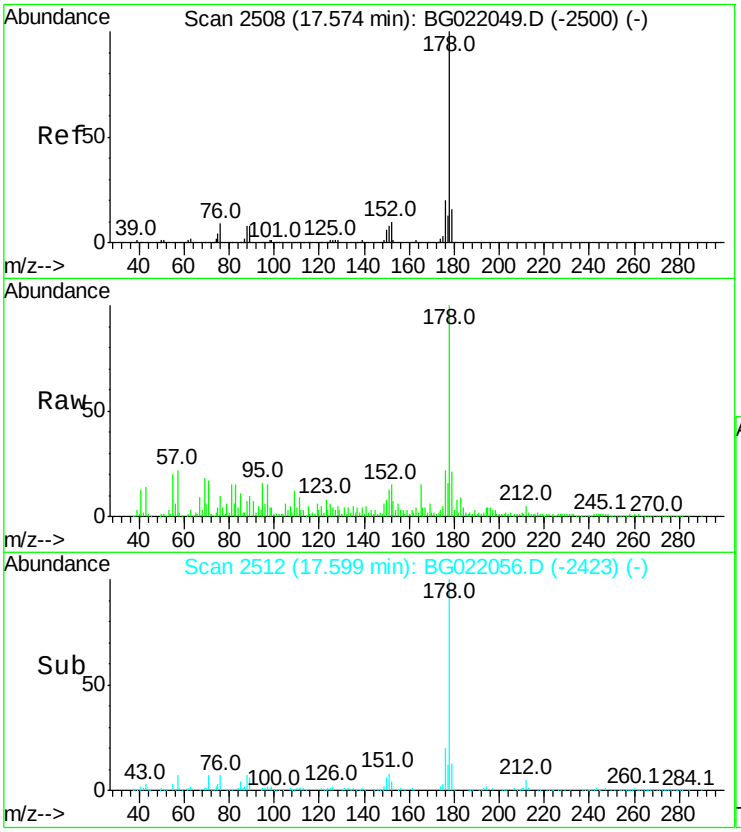


#68
Pentachlorophenol
Concen: 11.83 ng/ul
RT: 17.21 min Scan# 2446
Delta R.T. 0.03 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion:266 Resp: 13232

Ion	Ratio	Lower	Upper
266	100		
264	59.1	54.7	82.1
268	62.7	57.8	86.8



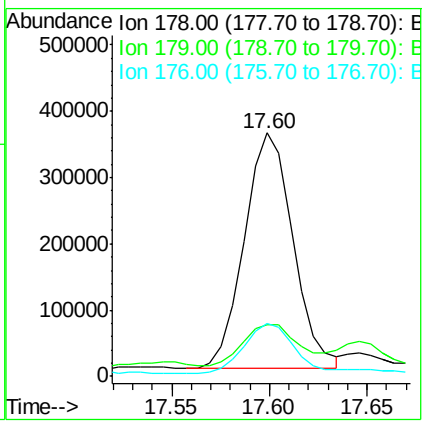


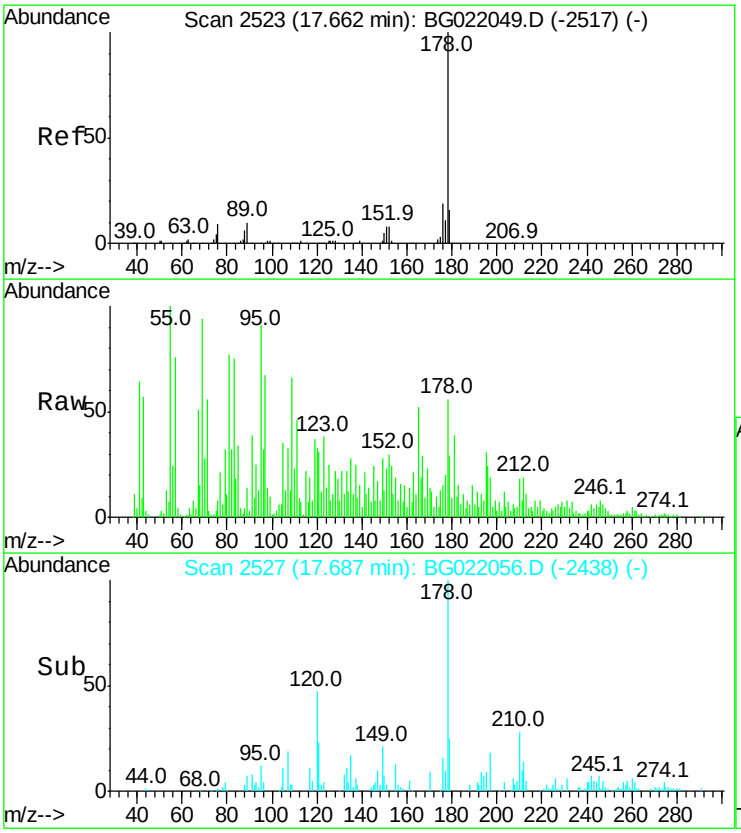
#69
Phenanthrene
Concen: 60.20 ng/ul
RT: 17.60 min Scan# 2512
Delta R.T. 0.02 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:178 Resp: 612930

Ion	Ratio	Lower	Upper
178	100		
179	21.4	12.9	19.3#
176	21.9	15.8	23.8

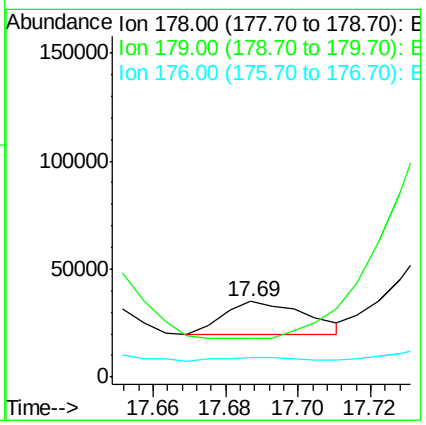


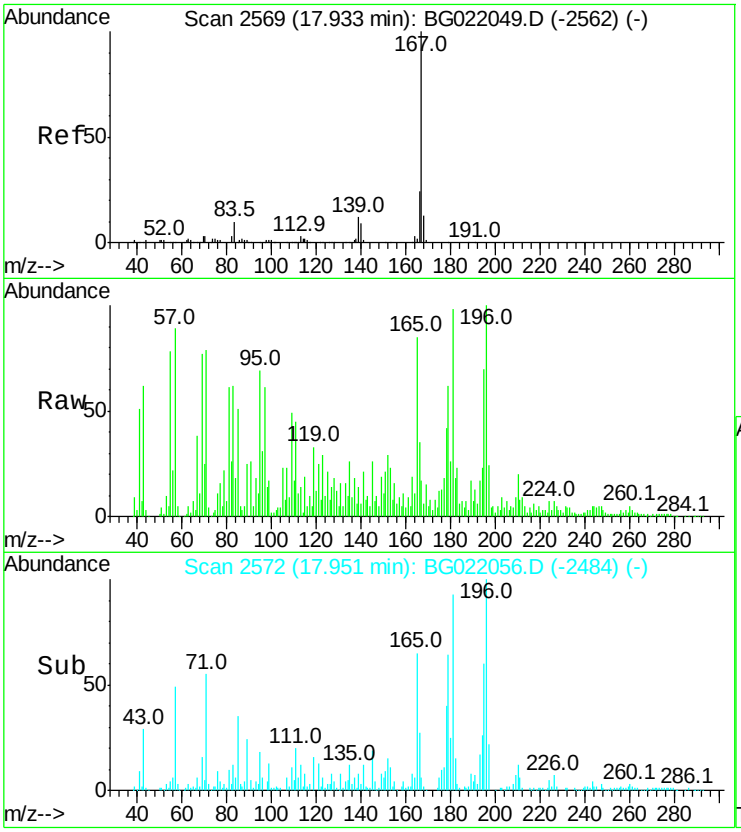


#71
Anthracene
Concen: 2.37 ng/ul
RT: 17.69 min Scan# 2527
Delta R.T. 0.02 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion:178 Resp: 24457

Ion	Ratio	Lower	Upper
178	100		
179	51.1	12.3	18.5#
176	26.2	16.3	24.5#



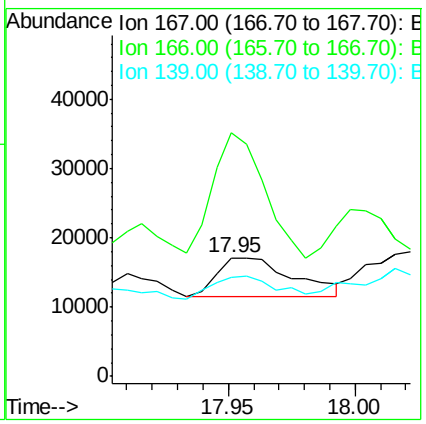


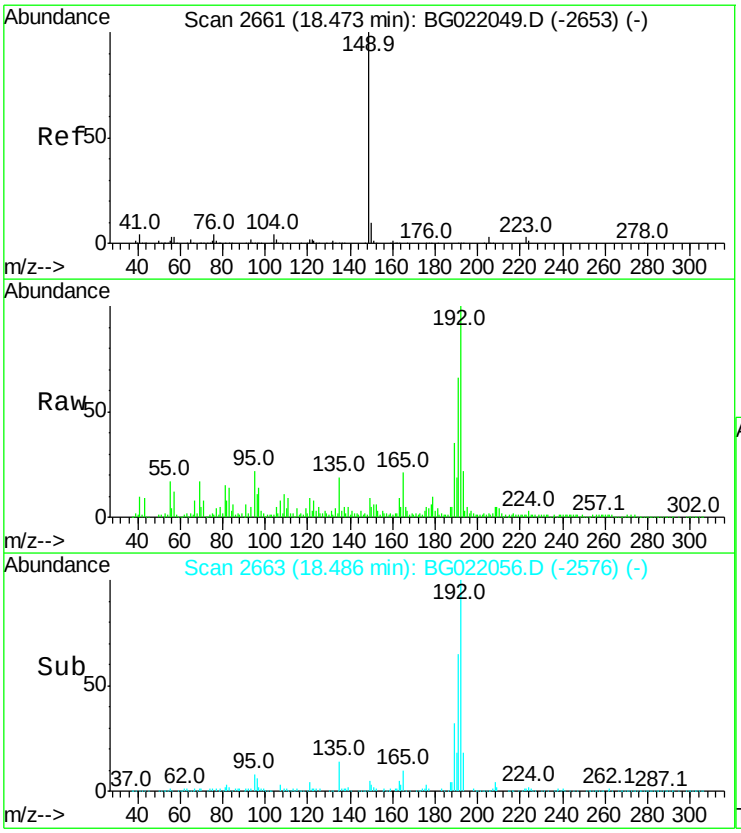
#72
Carbazole
Concen: 1.28 ng/ul
RT: 17.95 min Scan# 2572
Delta R.T. 0.02 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:167 Resp: 11447

Ion	Ratio	Lower	Upper
167	100		
166	205.0	19.2	28.8#
139	82.8	10.2	15.4#

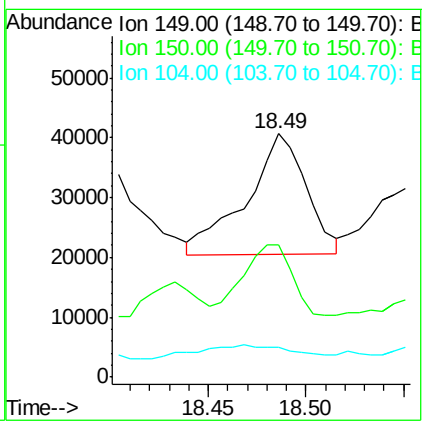


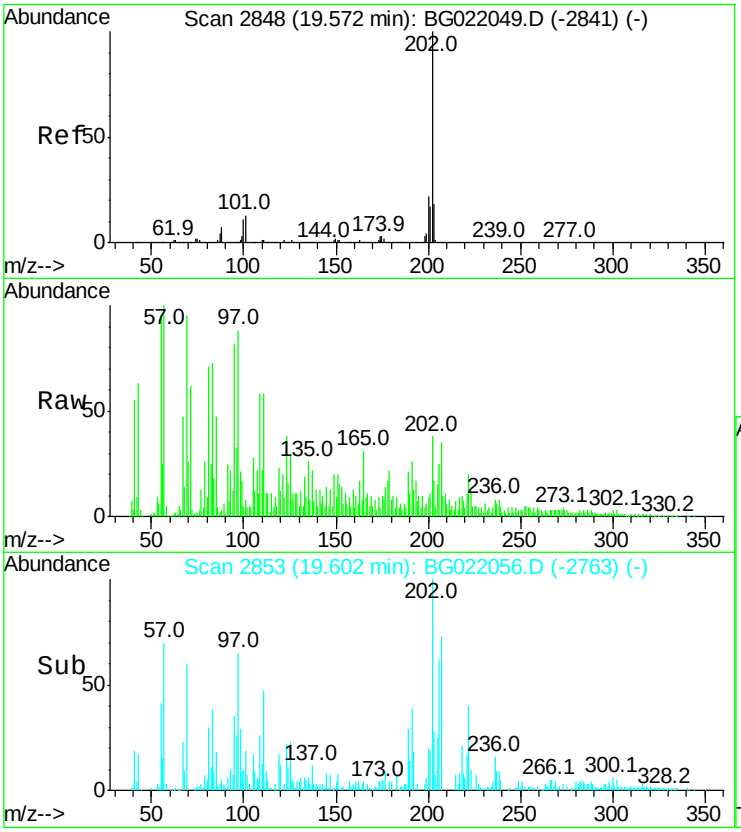


#73
Di-n-butylphthalate
Concen: 3.54 ng/ul
RT: 18.49 min Scan# 2663
Delta R.T. 0.01 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion:149 Resp: 42358

Ion	Ratio	Lower	Upper
149	100		
150	54.6	7.1	10.7#
104	12.3	3.3	4.9#



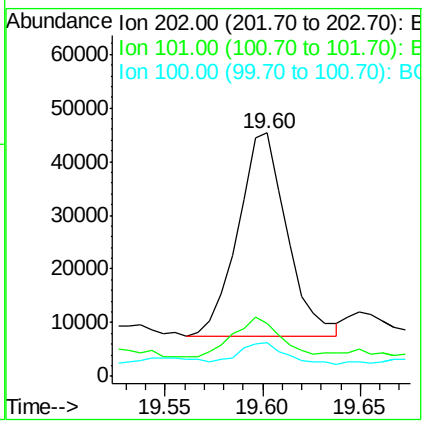


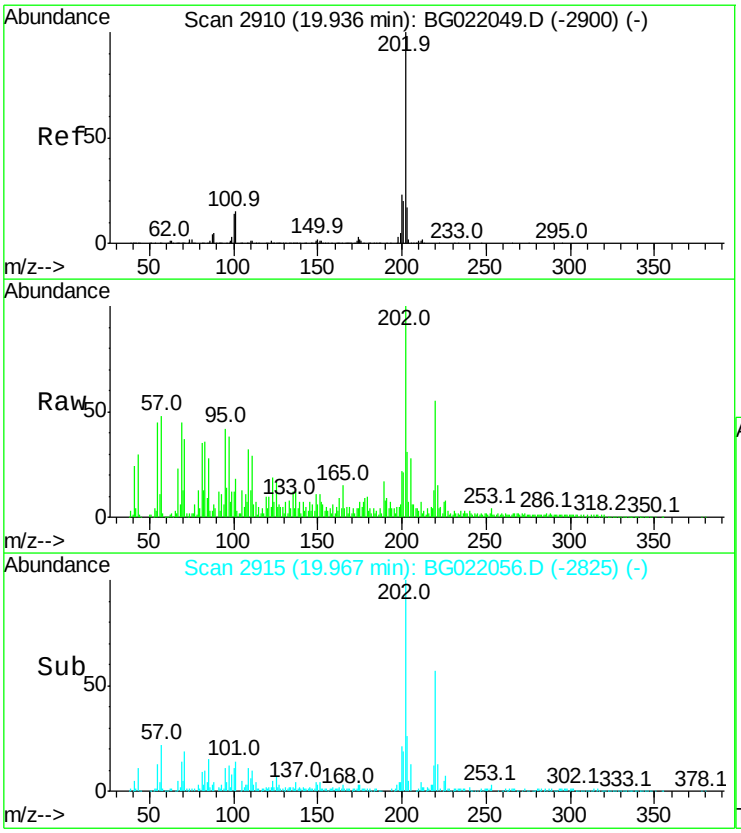
#74
Fluoranthene
Concen: 6.32 ng/ul
RT: 19.60 min Scan# 2853
Delta R.T. 0.03 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:202 Resp: 65725

Ion	Ratio	Lower	Upper
202	100		
101	21.7	10.6	16.0#
100	14.1	8.7	13.1#

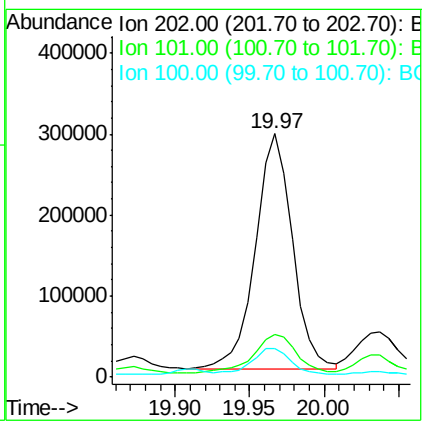


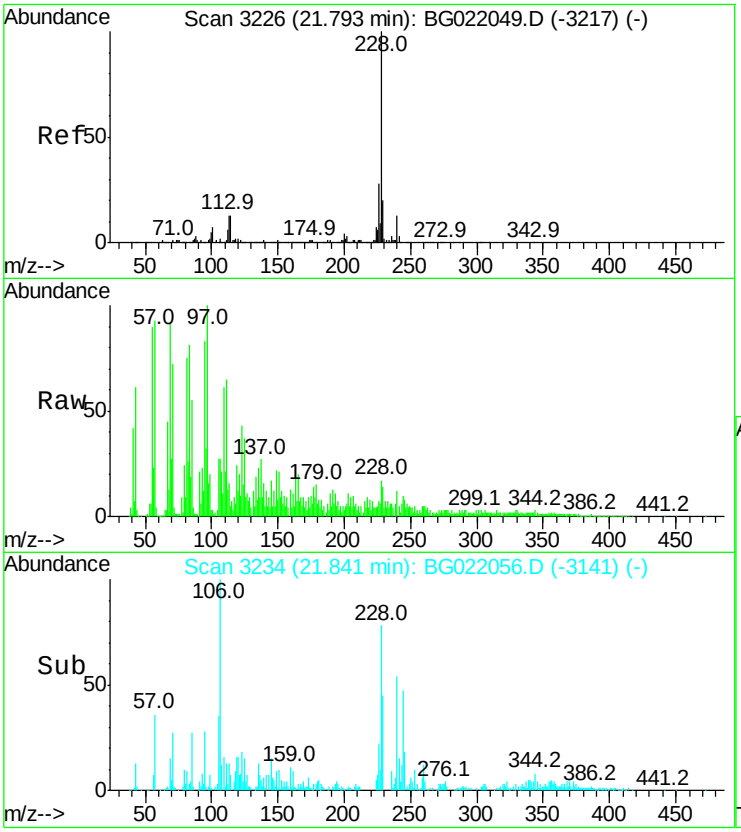


#77
Pyrene
Concen: 32.48 ng/ul
RT: 19.97 min Scan# 2915
Delta R.T. 0.03 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion:202 Resp: 496696

Ion	Ratio	Lower	Upper
202	100		
101	17.6	12.5	18.7
100	11.9	10.2	15.4



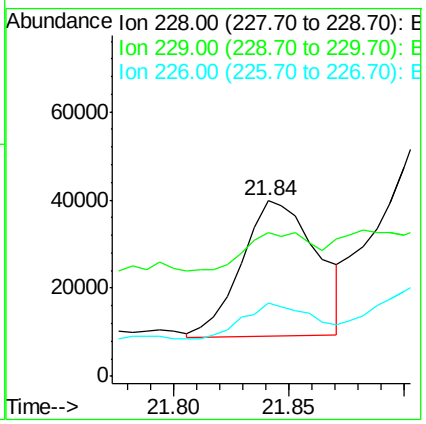


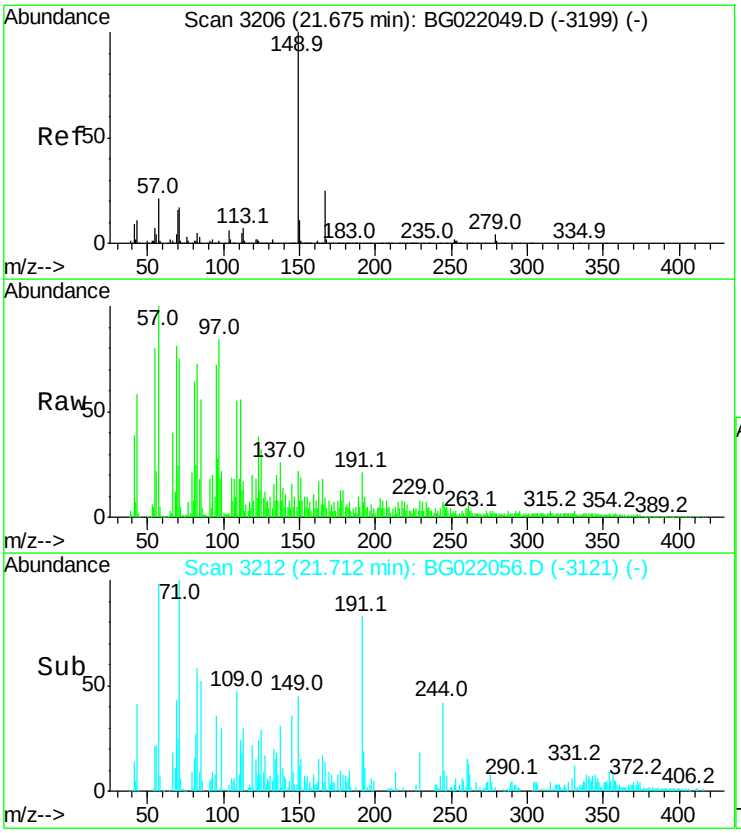
#80
Benzo(a)anthracene
Concen: 5.49 ng/ul
RT: 21.84 min Scan# 3234
Delta R.T. 0.05 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:228 Resp: 69947

Ion	Ratio	Lower	Upper
228	100		
229	81.9	15.4	23.2#
226	41.8	22.8	34.2#

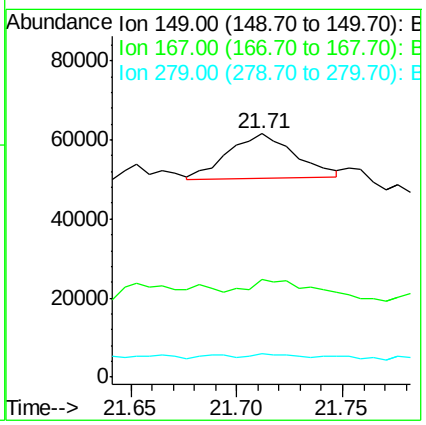


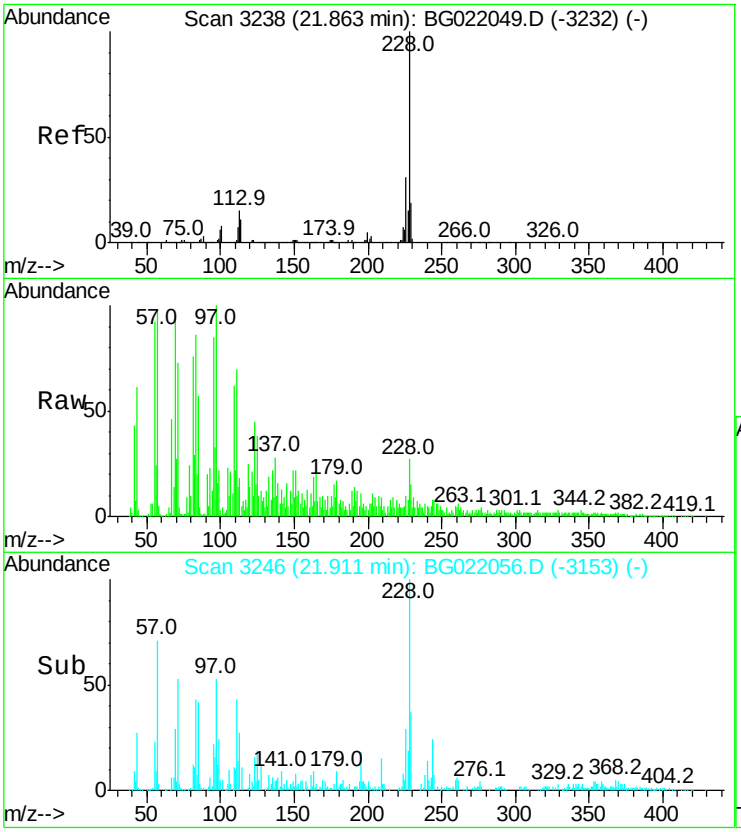


#81
Bis(2-ethylhexyl)phthalate
Concen: 2.37 ng/ul
RT: 21.71 min Scan# 3212
Delta R.T. 0.04 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion:149 Resp: 24417

Ion	Ratio	Lower	Upper
149	100		
167	40.1	21.9	32.9#
279	9.7	2.9	4.3#



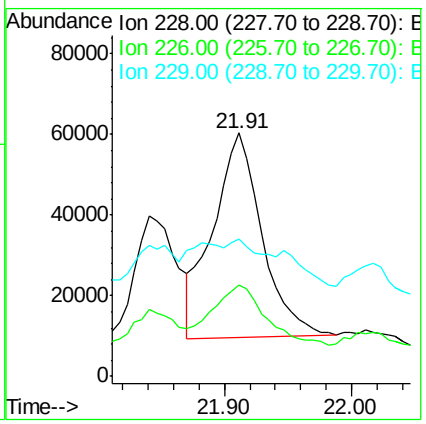


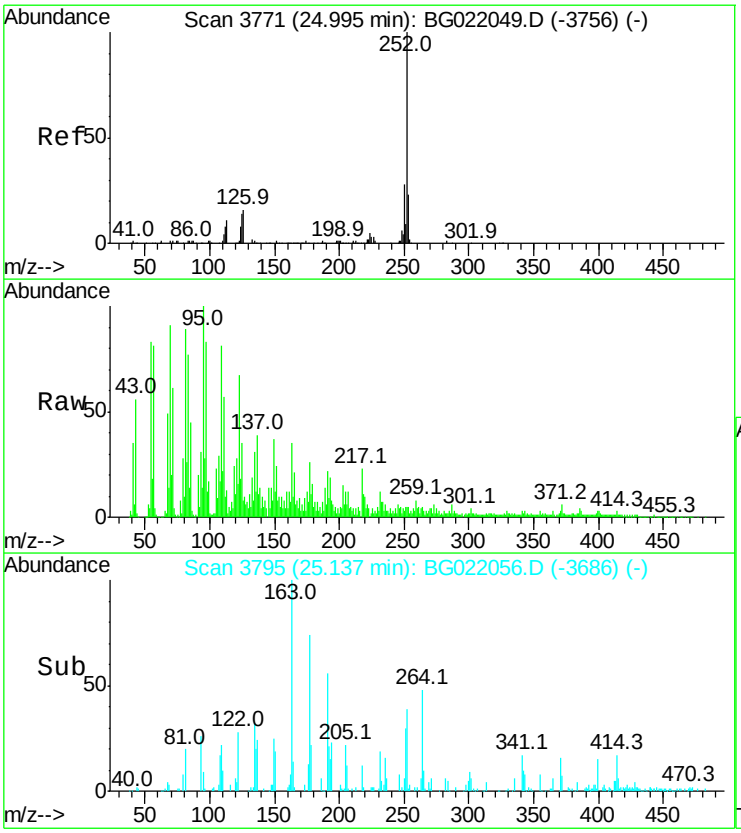
#82
Chrysene
Concen: 11.07 ng/ul
RT: 21.91 min Scan# 3246
Delta R.T. 0.05 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:228 Resp: 135339

Ion	Ratio	Lower	Upper
228	100		
226	37.5	24.2	36.4#
229	56.4	15.0	22.6#





#88
Benzo(a)pyrene
Concen: 1.05 ng/ul
RT: 25.14 min Scan# 3795
Delta R.T. 0.14 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion:252 Resp: 8225

Ion	Ratio	Lower	Upper
252	100		
253	96.7	19.0	28.4#
125	691.8	12.0	18.0#