Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
Data File : BG020544.D
Acq On : 26 Dec 2015 17:27
Operator : UM/SJ
Sample : G4802-23MSD
Misc :
ALS Vial : 81 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96MSD

Quant Time: Dec 28 01:28:14 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	18239	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	80091	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	58321	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	138197	20.00	ng/ul	0.01
78) Chrysene-d12	21.73	240	169577	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	163561	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.44	96	1220	3.69	ng/uL	0.00
5) Phenol-d5	7.23	99	31028	21.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	19645	22.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	24767	22.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	26696	21.68	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	14211	22.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	14542	20.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	28804	20.85	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	25942	16.44	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	102222	21.26	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	121988	21.90	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	11583	14.45	ng/ul	0.00
58) Fluorene-d10	15.71	176	95775	22.03	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	4762	5.20	ng/ul	0.02
71) Anthracene-d10	17.56	188	147979	22.86	ng/ul	0.01
79) Pyrene-d10	19.84	212	168798	22.99	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	190988	23.10	ng/ul	0.02
Target Compounds						Qvalue
6) Phenol	7.26	94	32420	21.27	ng/ul	97
10) 2-Chlorophenol	7.64	128	25463	21.72	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.88	70	22002	22.06	ng/ul	95
17) Hexachloroethane	9.18	117	2504	5.06	ng/ul#	1
28) Naphthalene	10.95	128	119567	28.08	ng/ul	98
30) 4-Chloroaniline	10.95	127	16052	10.09	ng/ul#	16
33) 4-Chloro-3-methylphenol	12.17	107	33230	22.38	ng/ul#	86
35) 1-Methylnaphthalene	12.77	142	451182	150.77	ng/ul	95
41) 1,1'-Biphenyl	13.54	154	114275	25.39	ng/ul	95
45) Dimethylphthalate	14.16	163	36498	7.47	ng/ul	98
50) Acenaphthene	14.78	153	338471	85.52	ng/ul	98
53) 4-Nitrophenol	14.93	109	9829	13.56	ng/ul#	87
54) Dibenzofuran	15.11	168	42784	7.27	ng/ul	98
55) 2,4-Dinitrotoluene	15.08	165	34101	22.95	ng/ul#	98
59) Fluorene	15.76	166	261834	54.87	ng/ul	100
61) 4-Nitroaniline	15.76	138	3558	3.45	ng/ul#	10
65) N-Nitrosodiphenylamine	15.96	169	6816	1.76	ng/ul#	38
69) Pentachlorophenol	17.12	266	9189	8.84	ng/ul	97
70) Phenanthrene	17.51	178	1281145	166.61	ng/ul	94
72) Anthracene	17.60	178	325503	41.40	ng/ul	98
75) Carbazole	17.86	167	14441	2.18	ng/ul#	90
77) Fluoranthene	19.51	202	475846	49.21	ng/ul	99
80) Pyrene	19.88	202	869001	90.62	ng/ul	99

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
Data File : BG020544.D
Acq On : 26 Dec 2015 17:27
Operator : UM/SJ
Sample : G4802-23MSD
Misc :
ALS Vial : 81 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96MSD

Quant Time: Dec 28 01:28:14 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)
83) Benzo(a)anthracene	21.72	228	258626	25.97	ng/ul	93
85) Chrysene	21.78	228	217295	22.91	ng/ul	96
88) Benzo(b)fluoranthene	23.96	252	150566	15.34	ng/ul	97
89) Benzo(k)fluoranthene	23.96	252	150566	15.87	ng/ul	100
91) Benzo(a)pyrene	24.85	252	198366	21.02	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.73	276	76621	6.78	ng/ul#	92
93) Dibenzo(a,h)anthracene	28.78	278	13811	1.47	ng/ul#	95
94) Benzo(g,h,i)perylene	29.90	276	74648	8.04	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 : BG020544.D
Acq On : 26 Dec 2015 17:27
Operator : UM/SJ
Sample : G4802-23MSD
Misc :
ALS Vial : 81 Sample Multiplier: 1

Instrument :
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ClientSampleId :
G9D96MSD

Quant Time: Dec 28 01:28:14 2015
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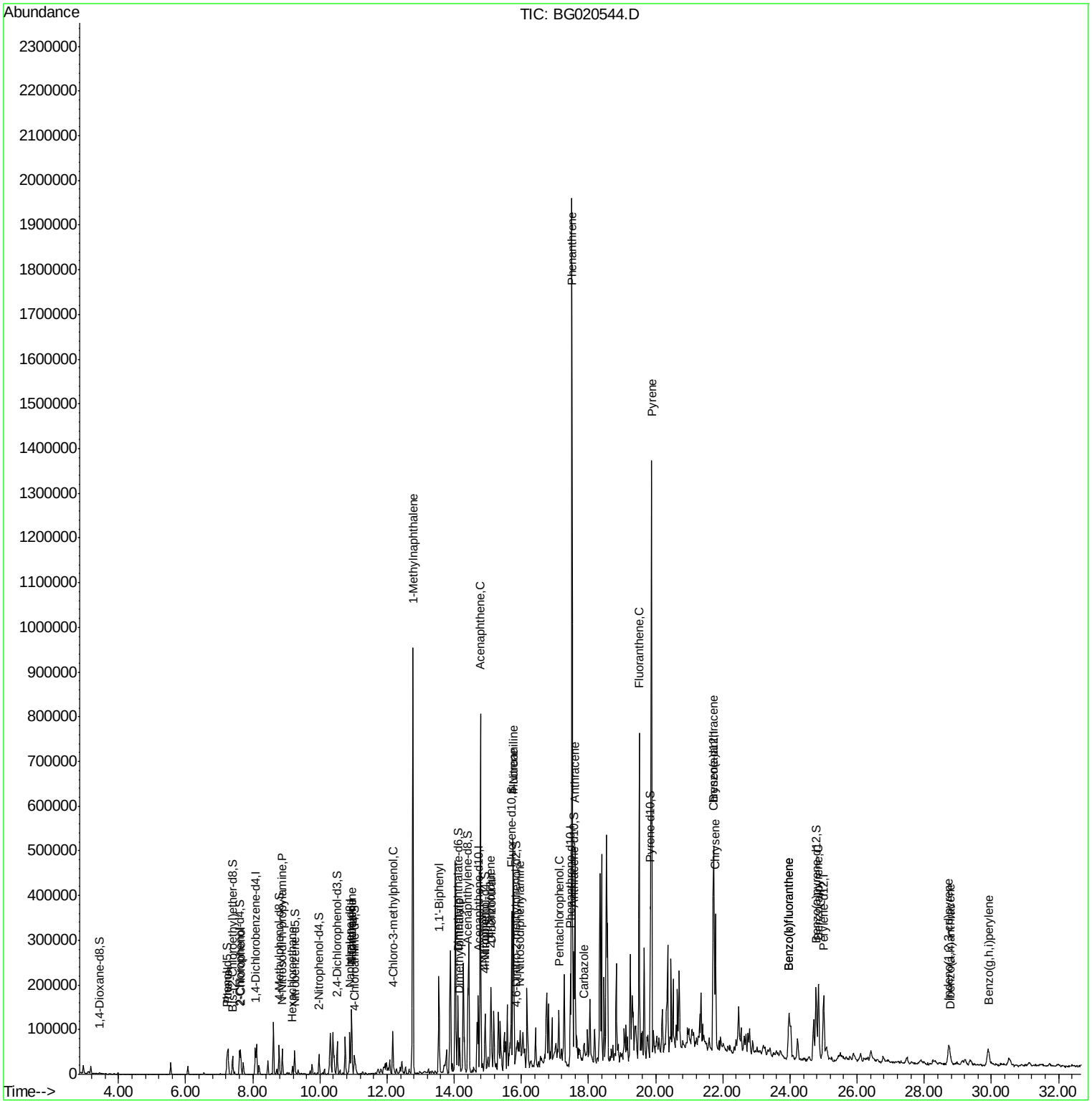
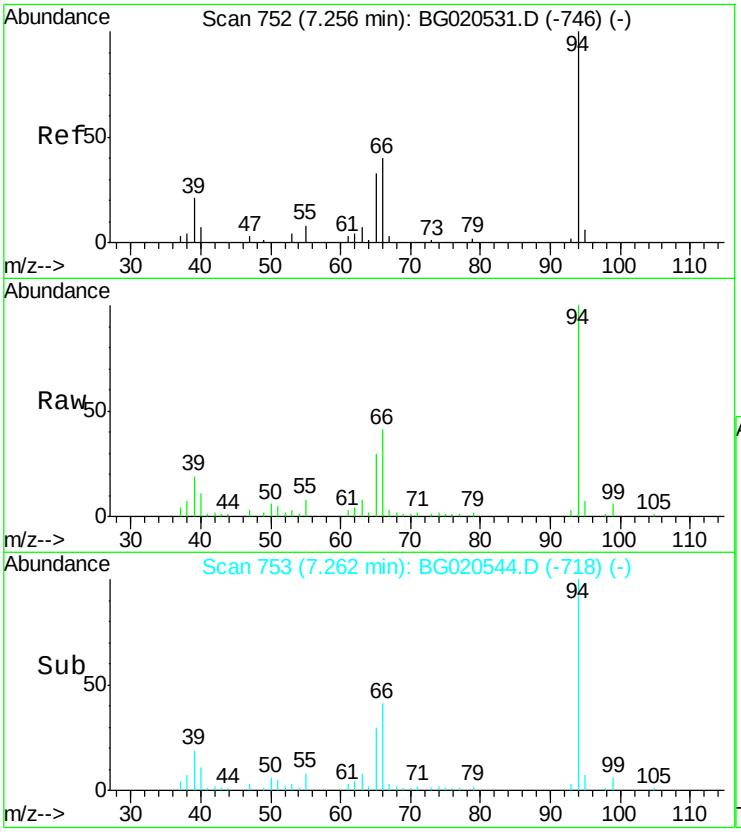
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 01:15:44 2015
Response via : Initial Calibration



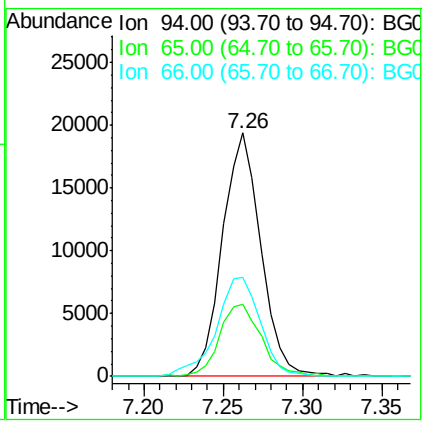


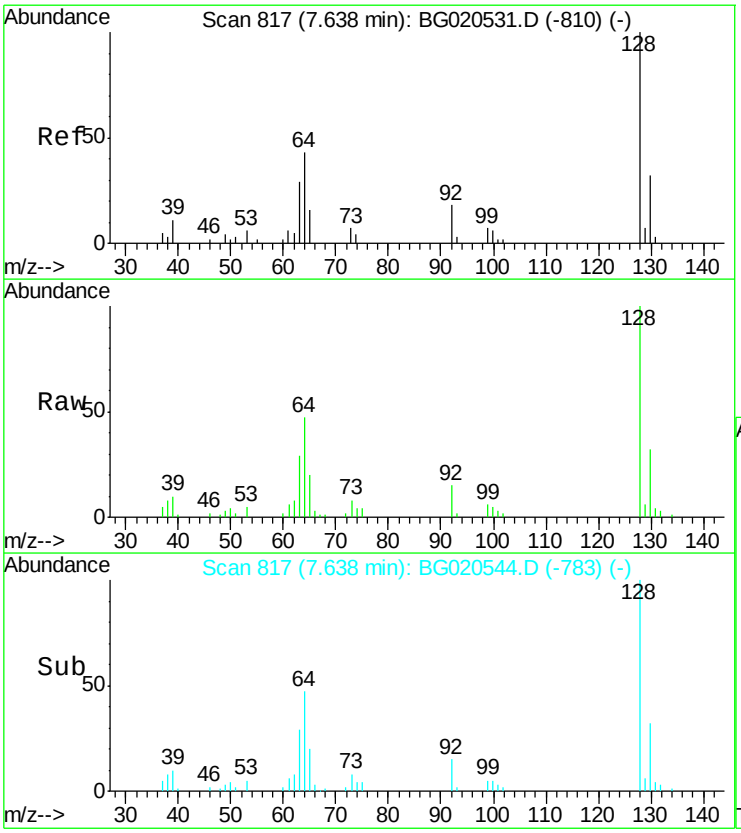
#6
Phenol
Concen: 21.27 ng/ul
RT: 7.26 min Scan# 753
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Instrument :
BNA_G
ClientSampleId :
G9D96MSD

Tgt Ion: 94 Resp: 32420

Ion	Ratio	Lower	Upper
94	100		
65	29.8	26.3	39.5
66	40.6	33.3	49.9

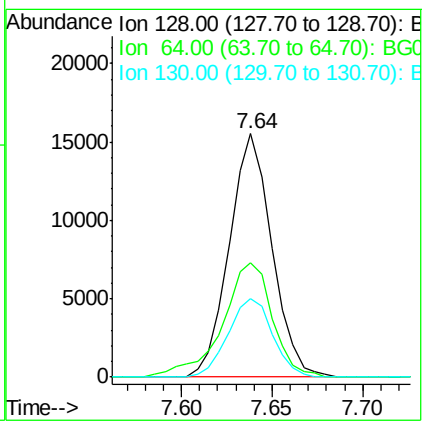


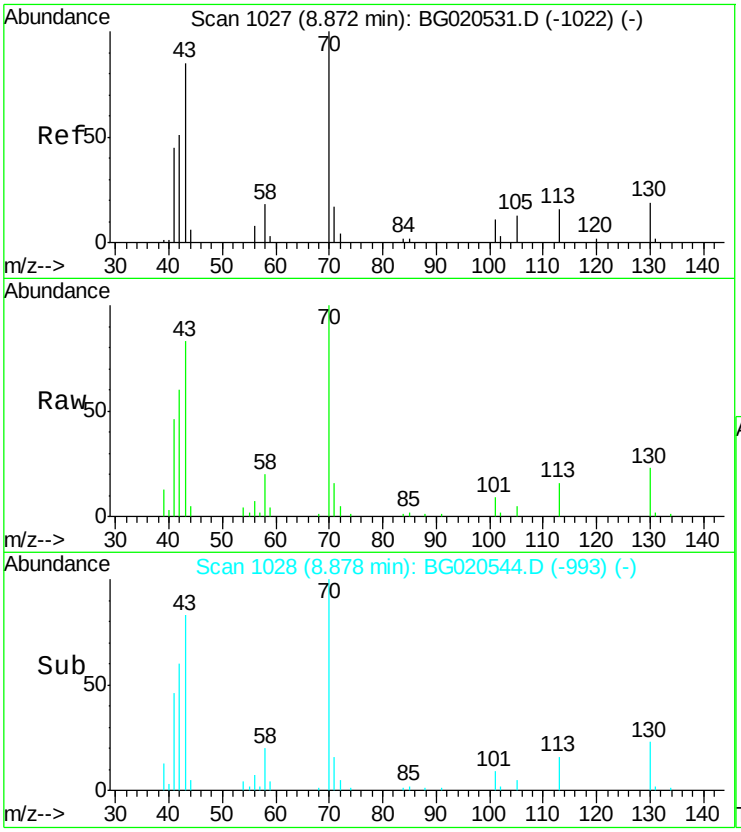


#10
2-Chlorophenol
Concen: 21.72 ng/ul
RT: 7.64 min Scan# 817
Delta R.T. 0.00 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Tgt Ion:128 Resp: 25463

Ion	Ratio	Lower	Upper
128	100		
64	47.2	39.4	59.0
130	32.4	24.6	36.8



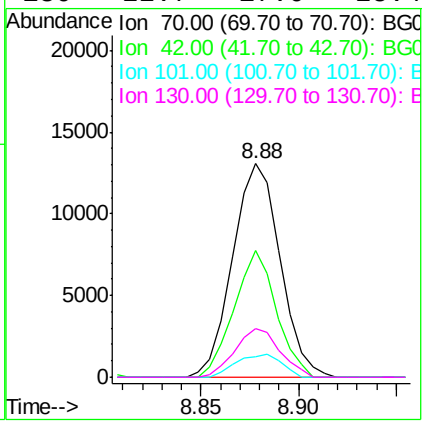


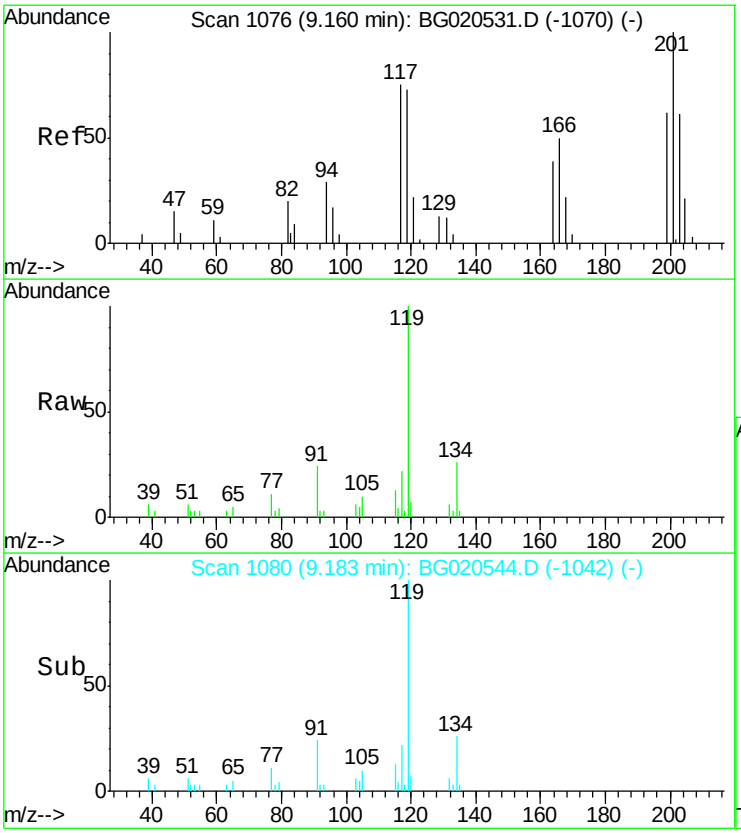
#15
N-Nitroso-di-n-propylamine
Concen: 22.06 ng/ul
RT: 8.88 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Instrument :
BNA_G
ClientSampleId :
G9D96MSD

Tgt Ion: 70 Resp: 22002

Ion	Ratio	Lower	Upper
70	100		
42	59.6	44.3	66.5
101	9.4	7.6	11.4
130	22.7	17.0	25.4

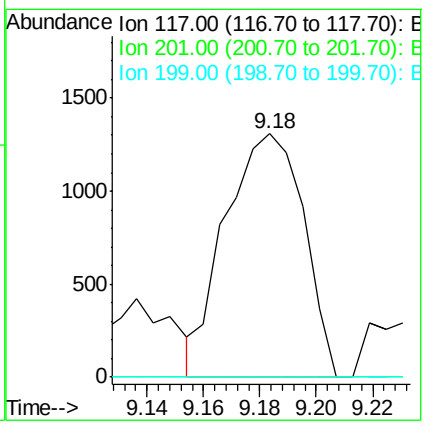


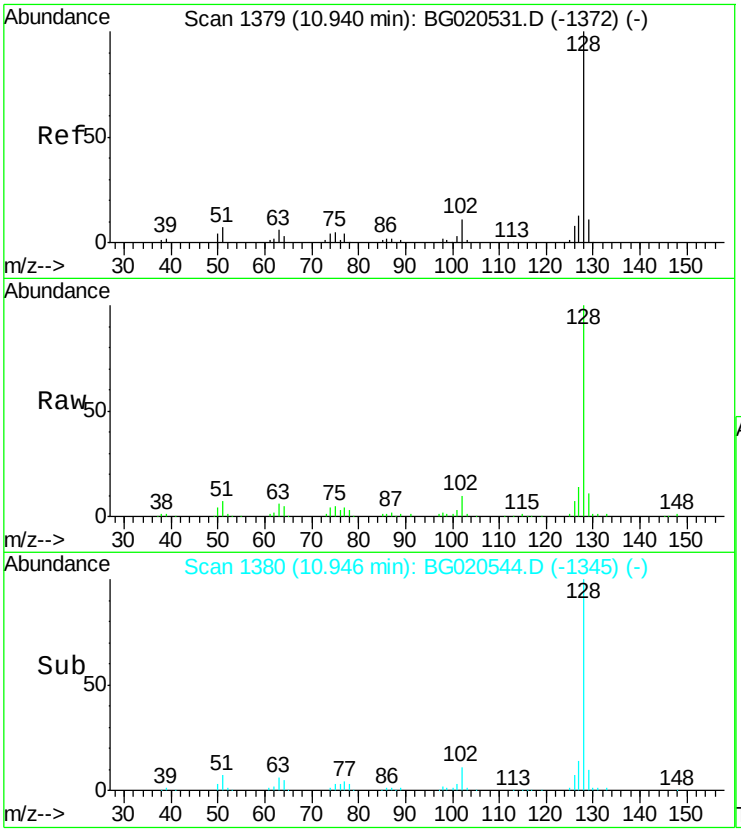


#17
Hexachloroethane
Concen: 5.06 ng/ul
RT: 9.18 min Scan# 1080
Delta R.T. 0.02 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Tgt Ion:117 Resp: 2504

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



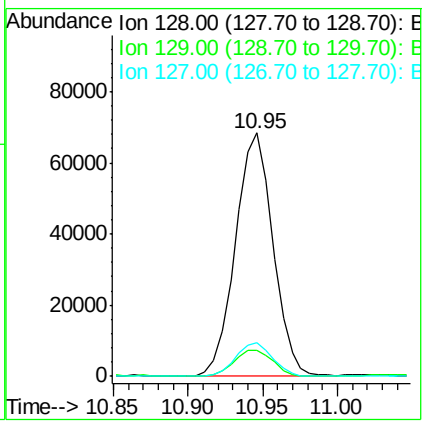


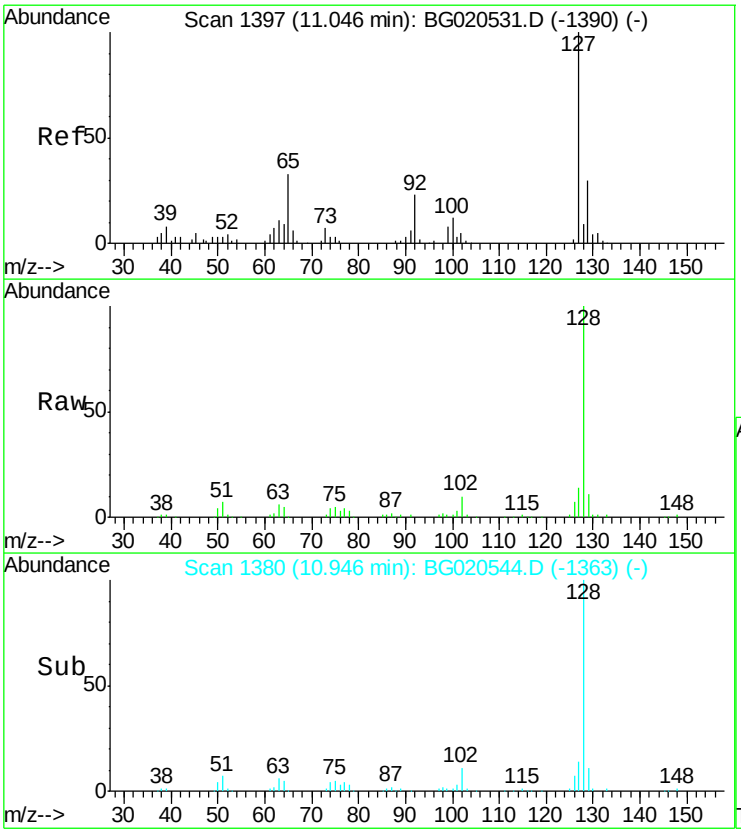
#28
Naphthalene
Concen: 28.08 ng/ul
RT: 10.95 min Scan# 1380
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Instrument :
BNA_G
ClientSampleId :
G9D96MSD

Tgt Ion:128 Resp: 119567

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	13.7	10.1	15.1

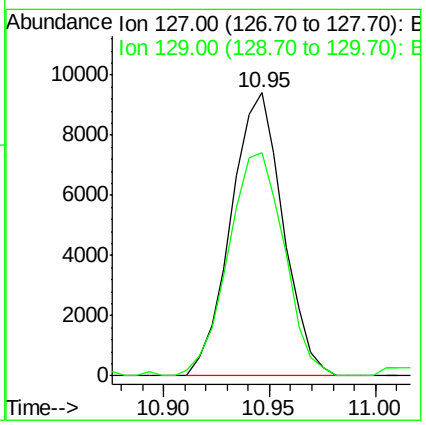


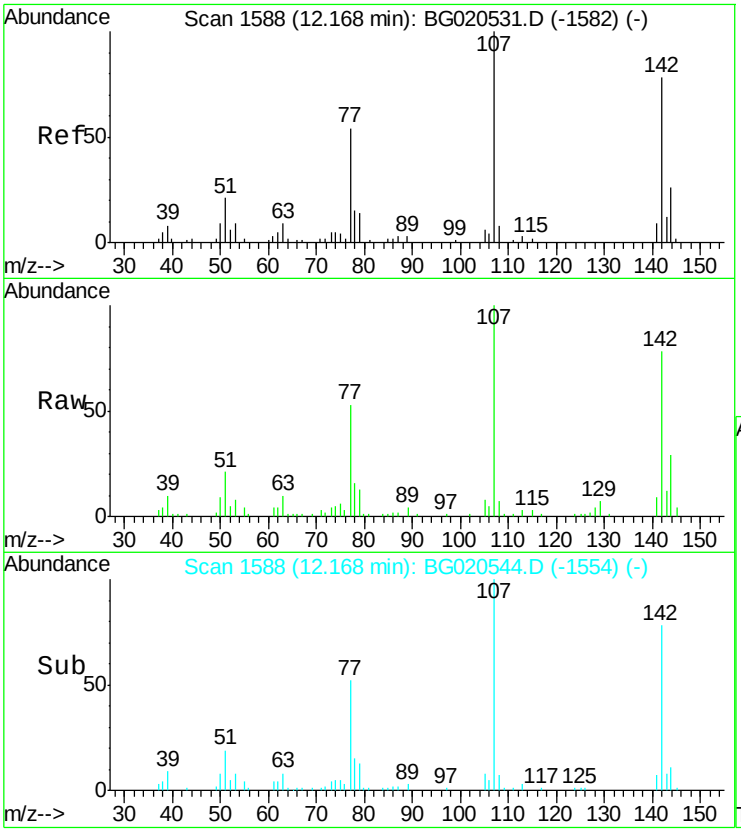


#30
4-Chloroaniline
Concen: 10.09 ng/ul
RT: 10.95 min Scan# 1380
Delta R.T. -0.10 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Tgt Ion:127 Resp: 16052

Ion	Ratio	Lower	Upper
127	100		
129	79.1	25.7	38.5#



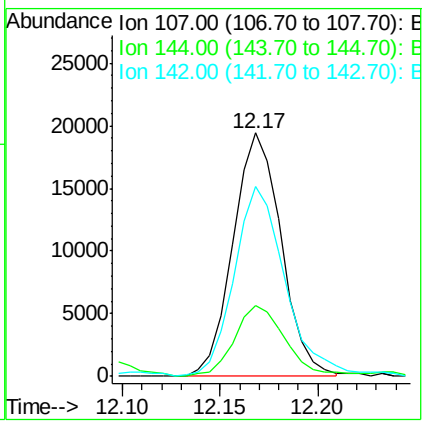


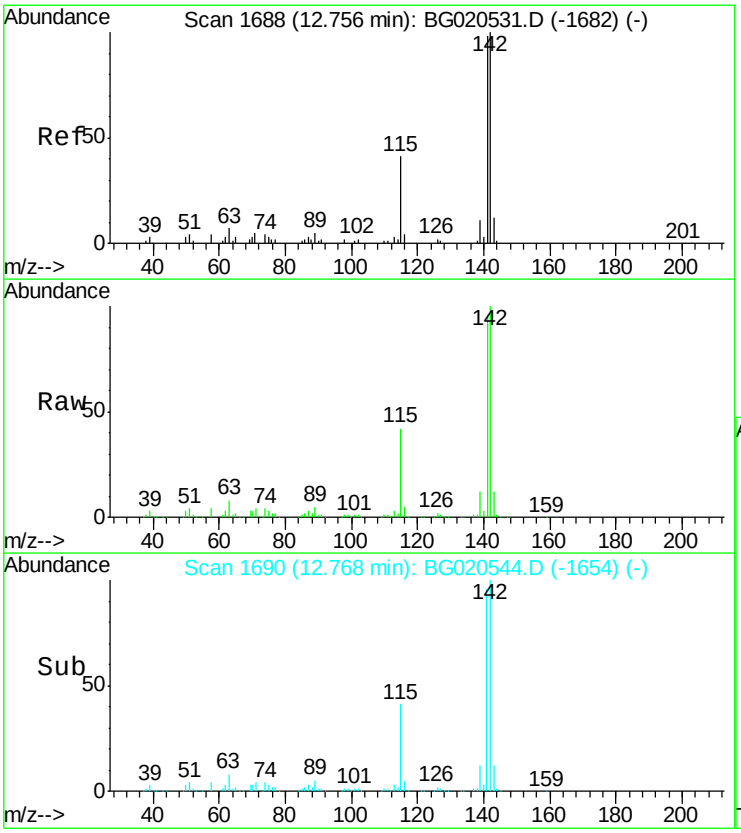
#33
4-Chloro-3-methylphenol
Concen: 22.38 ng/ul
RT: 12.17 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Instrument :
BNA_G
ClientSampleId :
G9D96MSD

Tgt Ion:107 Resp: 33230

Ion	Ratio	Lower	Upper
107	100		
144	29.2	18.7	28.1#
142	78.0	52.8	79.2

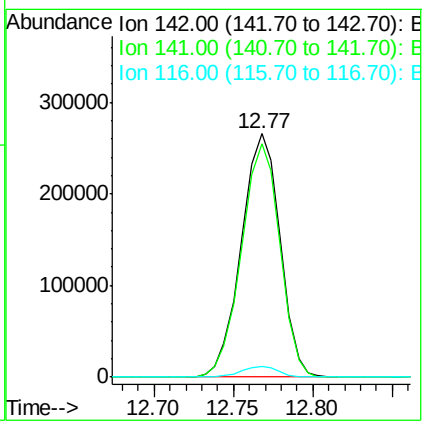


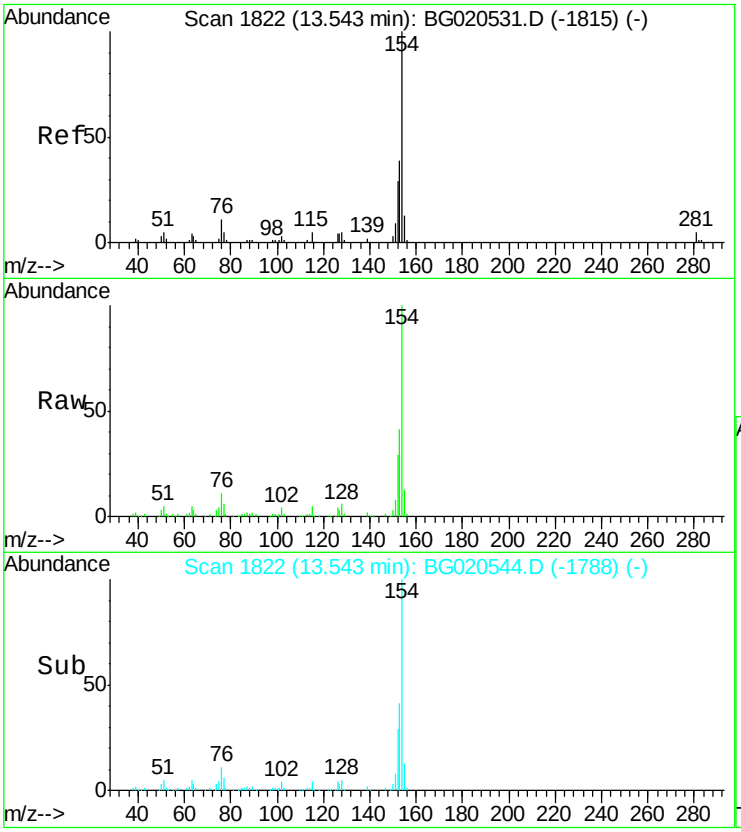


#35
1-Methylnaphthalene
Concen: 150.77 ng/ul
RT: 12.77 min Scan# 1690
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Tgt Ion:142 Resp: 451182

Ion	Ratio	Lower	Upper
142	100		
141	95.9	73.0	109.6
116	4.5	3.0	4.6



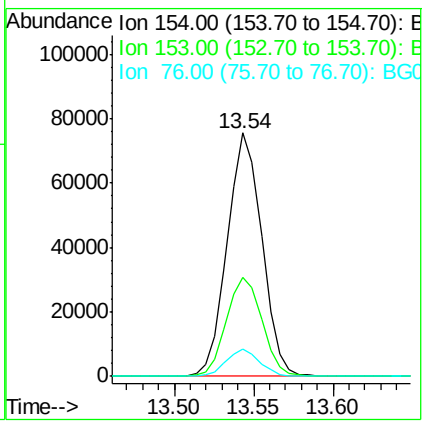


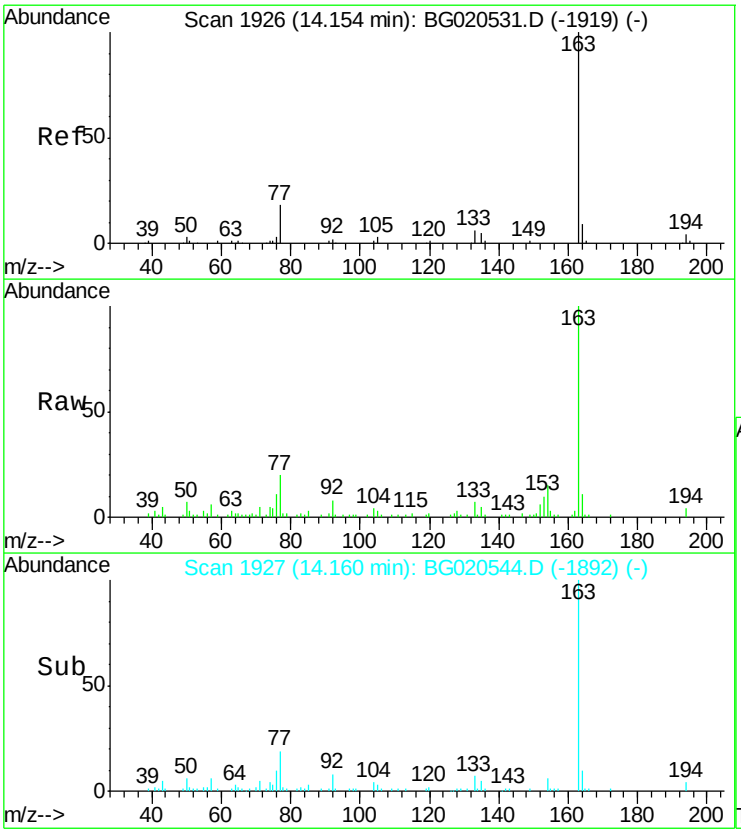
#41
1,1'-Biphenyl
Concen: 25.39 ng/ul
RT: 13.54 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Instrument :
BNA_G
ClientSampleId :
G9D96MSD

Tgt Ion:154 Resp: 114275

Ion	Ratio	Lower	Upper
154	100		
153	40.9	35.5	53.3
76	11.1	10.4	15.6

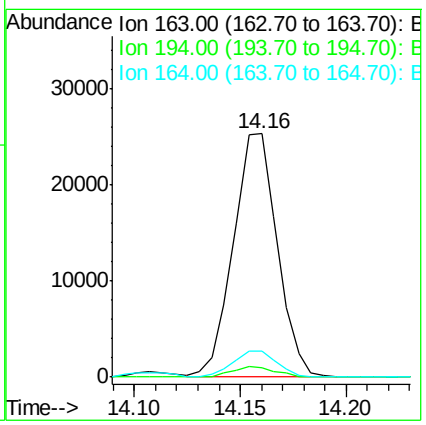


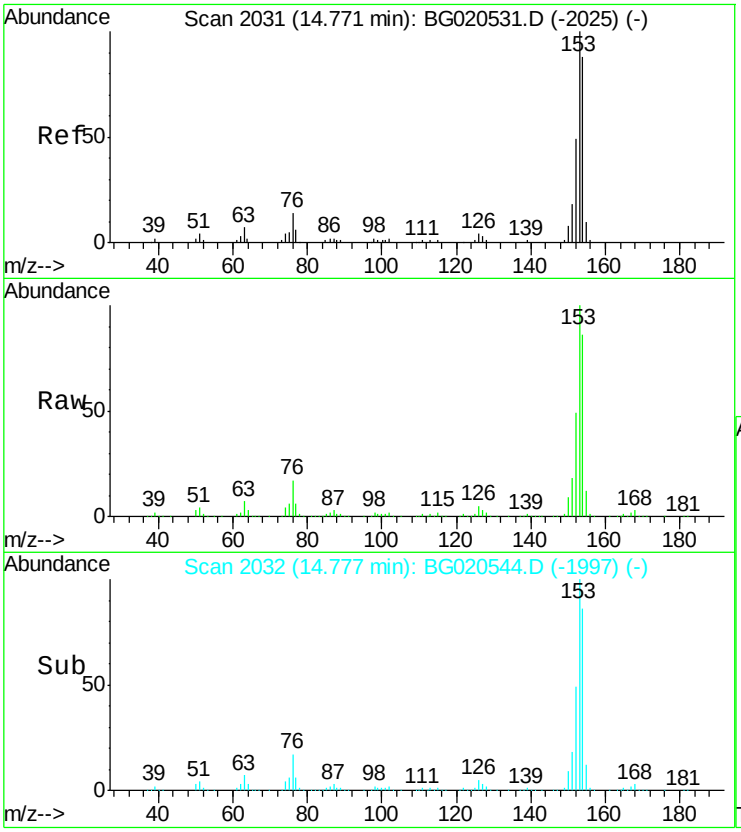


#45
Dimethylphthalate
Concen: 7.47 ng/ul
RT: 14.16 min Scan# 1927
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Tgt Ion:163 Resp: 36498

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.6	7.7	11.5



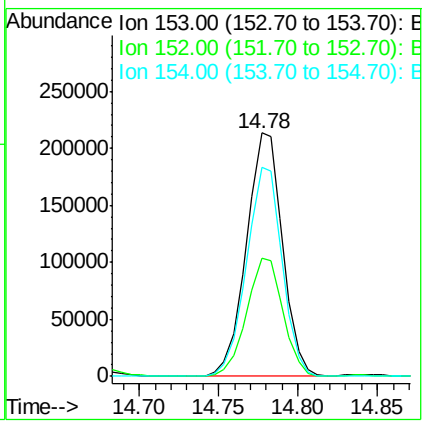


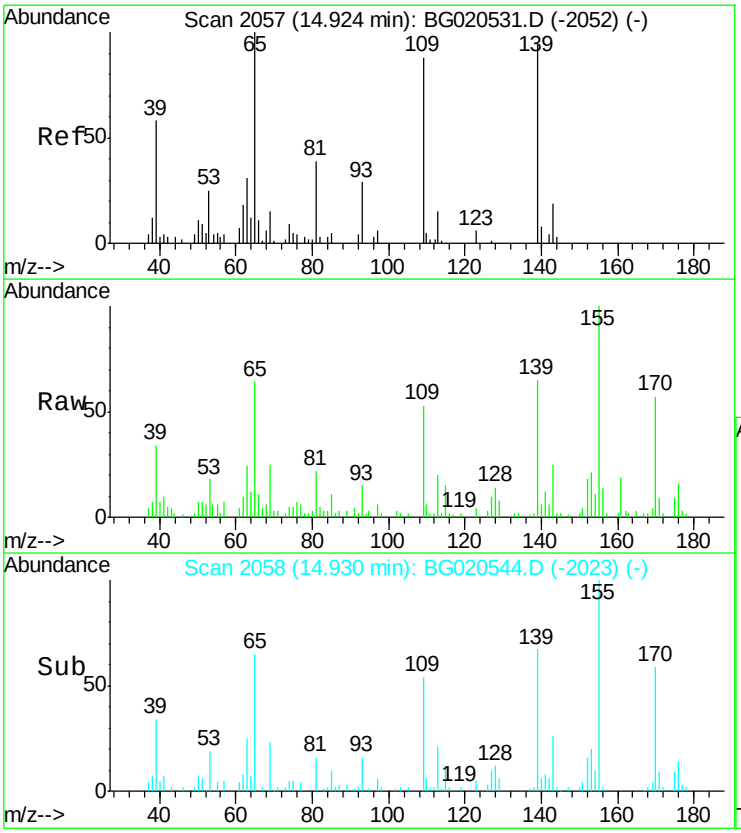
#50
Acenaphthene
Concen: 85.52 ng/ul
RT: 14.78 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Instrument :
BNA_G
ClientSampleId :
G9D96MSD

Tgt Ion:153 Resp: 338471

Ion	Ratio	Lower	Upper
153	100		
152	48.8	37.6	56.4
154	86.0	67.9	101.9

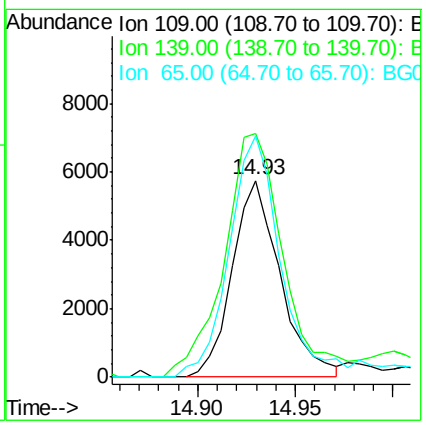


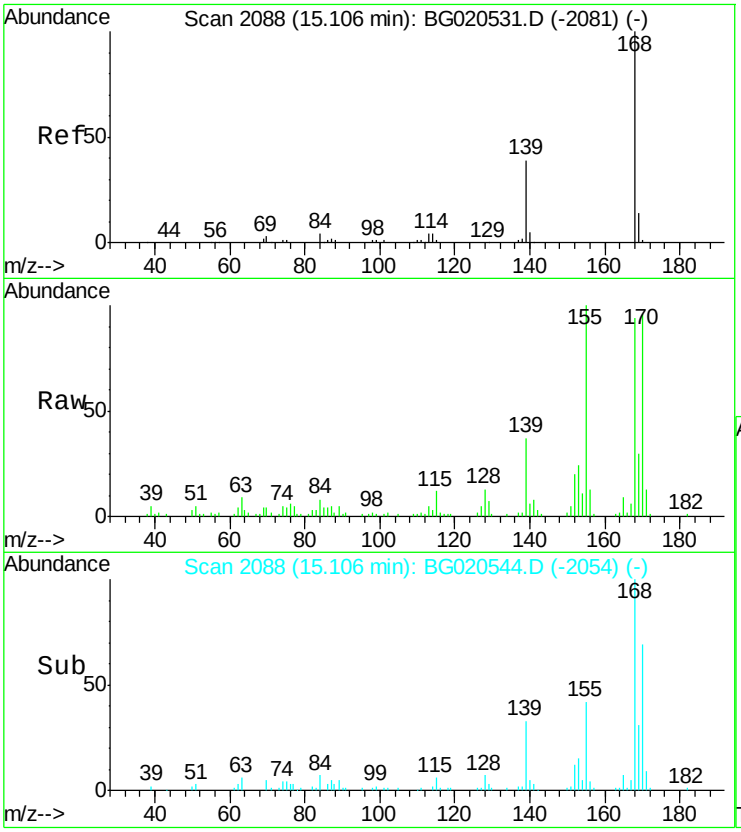


#53
4-Nitrophenol
Concen: 13.56 ng/ul
RT: 14.93 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Tgt Ion:109 Resp: 9829

Ion	Ratio	Lower	Upper
109	100		
139	123.7	80.5	120.7#
65	122.3	93.4	140.2



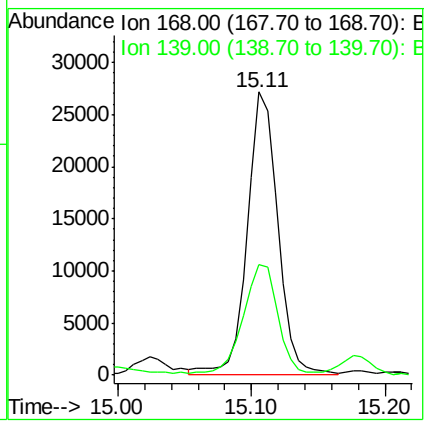


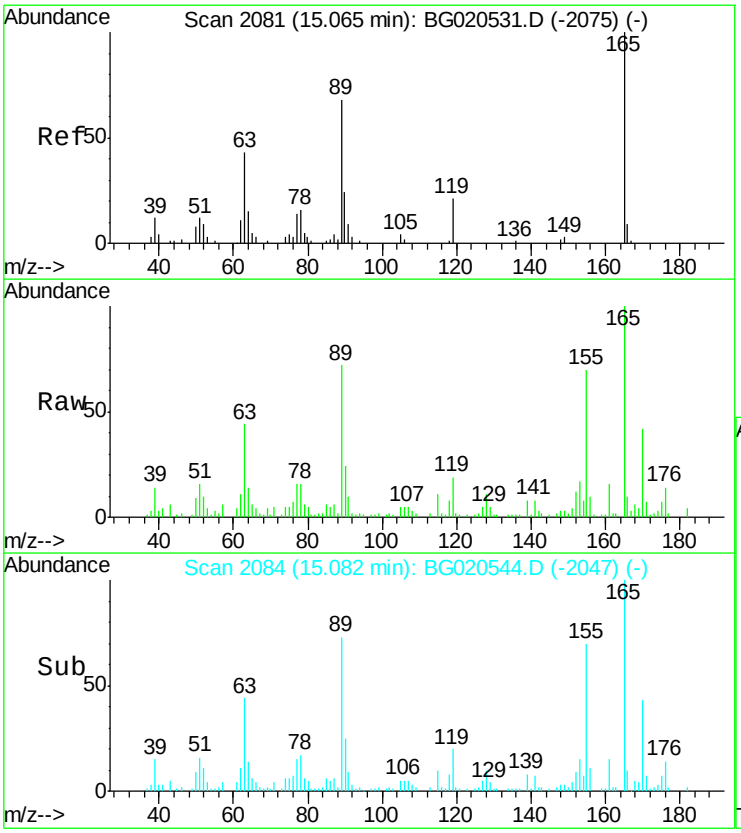
#54
Dibenzofuran
Concen: 7.27 ng/ul
RT: 15.11 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Instrument :
BNA_G
ClientSampleId :
G9D96MSD

Tgt Ion:168 Resp: 42784

Ion	Ratio	Lower	Upper
168	100		
139	39.0	30.5	45.7

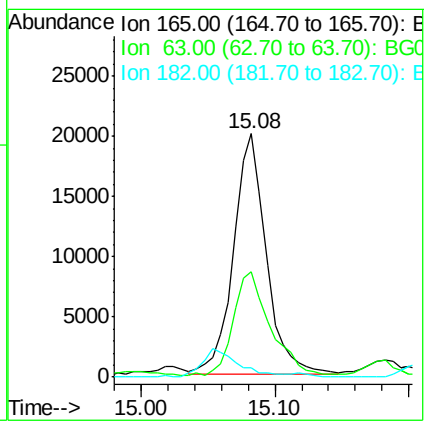


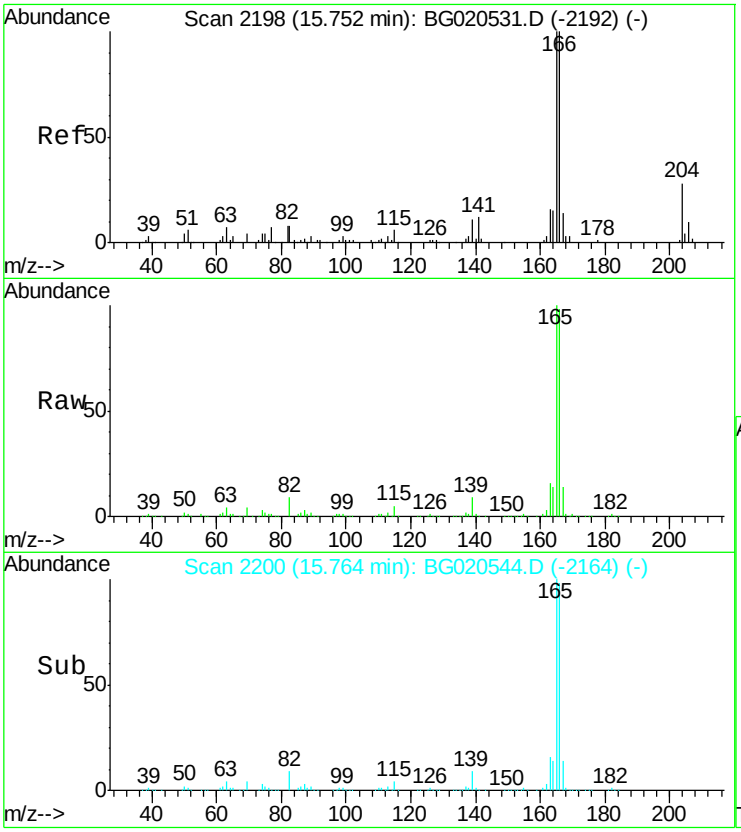


#55
2,4-Dinitrotoluene
Concen: 22.95 ng/ul
RT: 15.08 min Scan# 2084
Delta R.T. 0.02 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Tgt Ion:165 Resp: 34101

Ion	Ratio	Lower	Upper
165	100		
63	43.5	35.8	53.8
182	4.0	2.2	3.2#



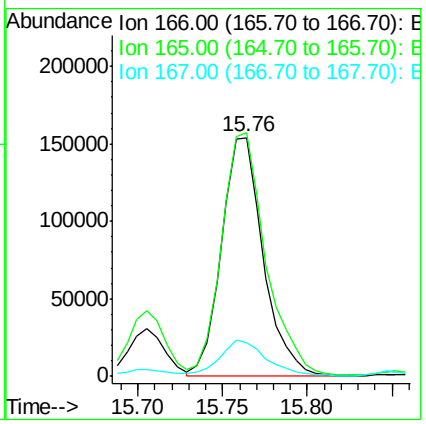


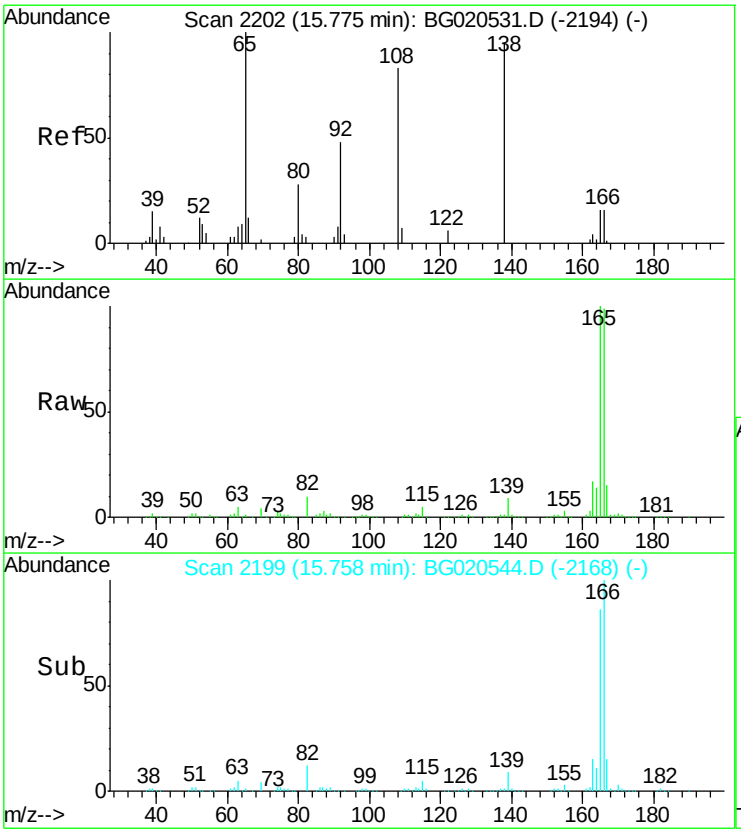
#59
Fluorene
Concen: 54.87 ng/ul
RT: 15.76 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Instrument :
BNA_G
ClientSampleId :
G9D96MSD

Tgt Ion:166 Resp: 261834

Ion	Ratio	Lower	Upper
166	100		
165	102.0	81.4	122.0
167	14.3	11.2	16.8

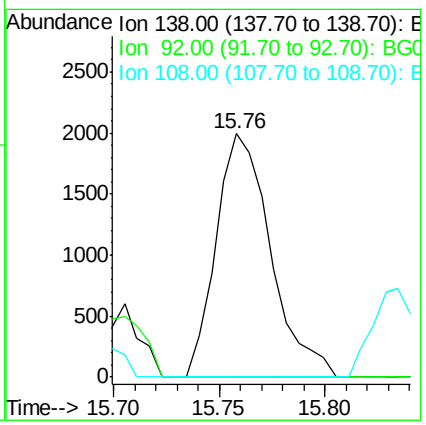


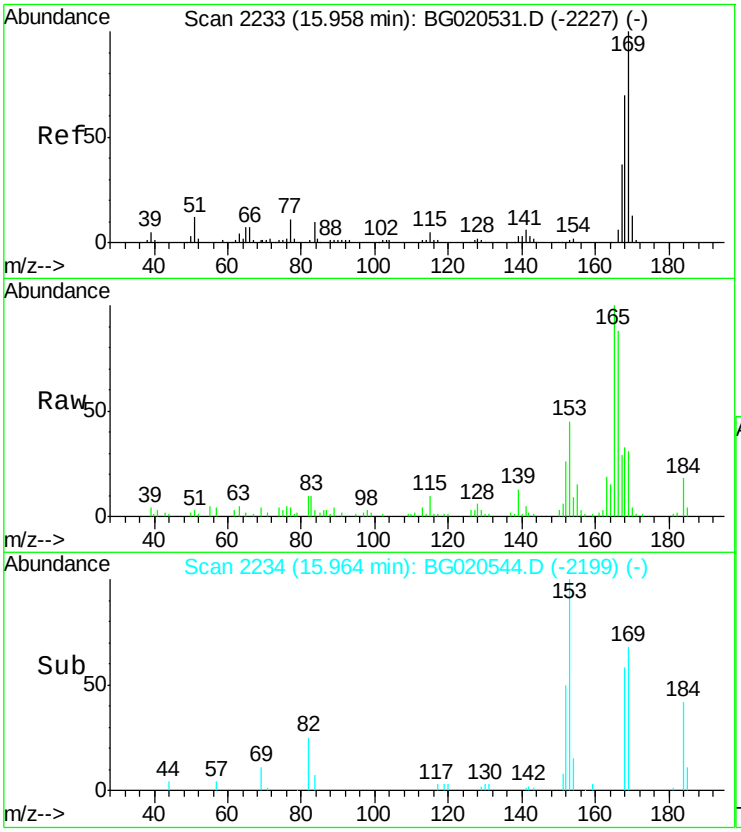


#61
4-Nitroaniline
Concen: 3.45 ng/ul
RT: 15.76 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Tgt Ion:138 Resp: 3558

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



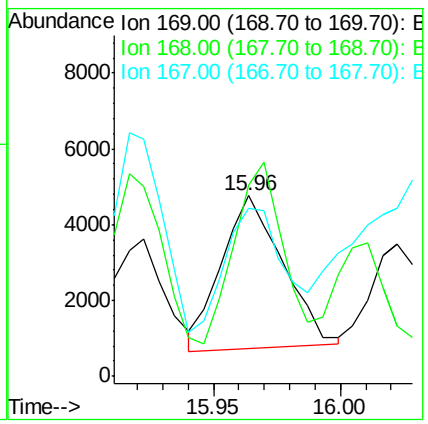


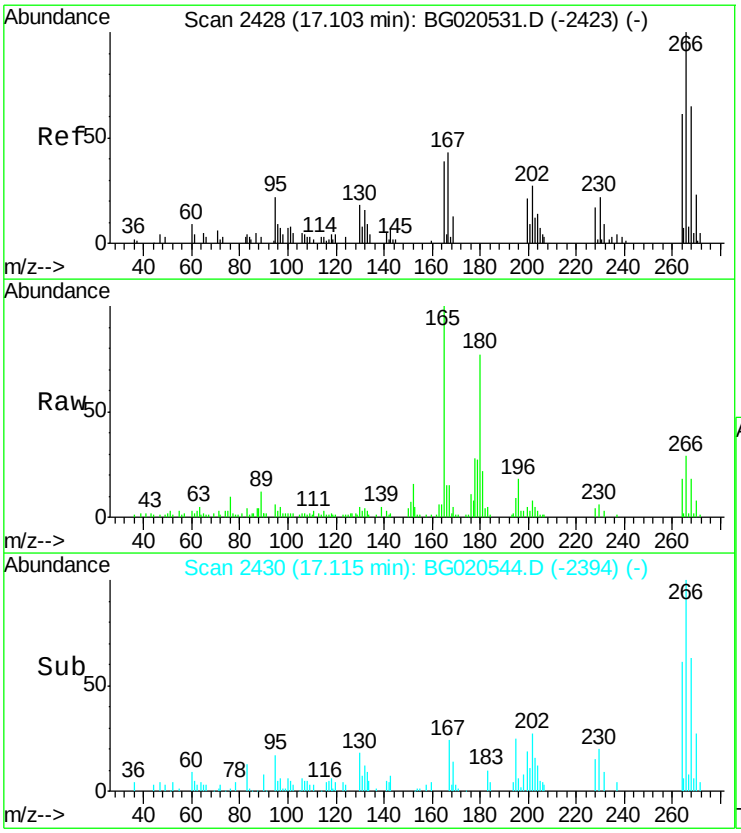
#65
N-Nitrosodiphenylamine
Concen: 1.76 ng/ul
RT: 15.96 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Instrument :
BNA_G
ClientSampleId :
G9D96MSD

Tgt Ion:169 Resp: 6816

Ion	Ratio	Lower	Upper
169	100		
168	106.0	54.3	81.5#
167	93.0	31.8	47.8#

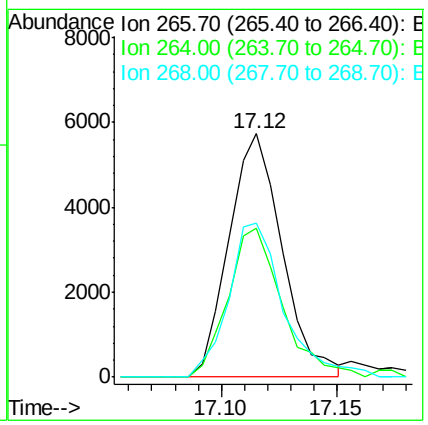


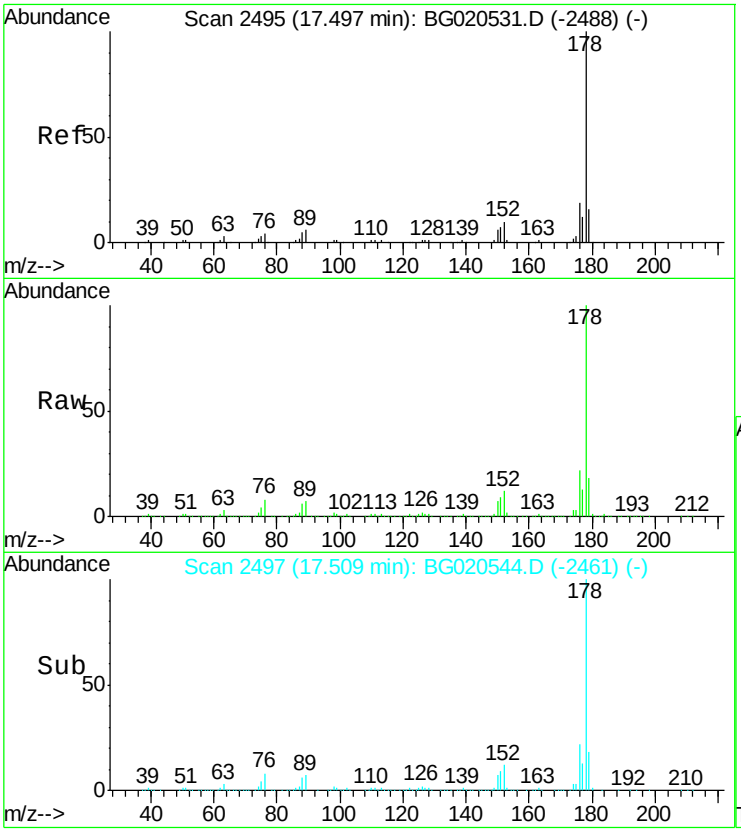


#69
Pentachlorophenol
Concen: 8.84 ng/ul
RT: 17.12 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Tgt Ion:266 Resp: 9189

Ion	Ratio	Lower	Upper
266	100		
264	67.8	52.2	78.2
268	63.3	49.3	73.9



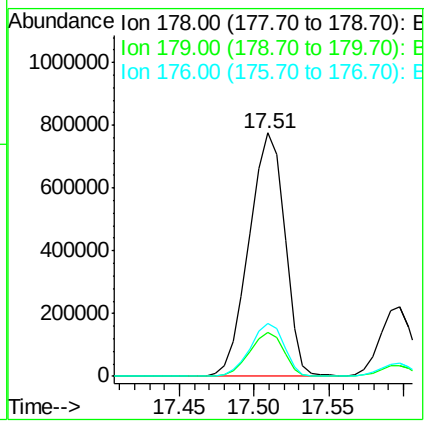


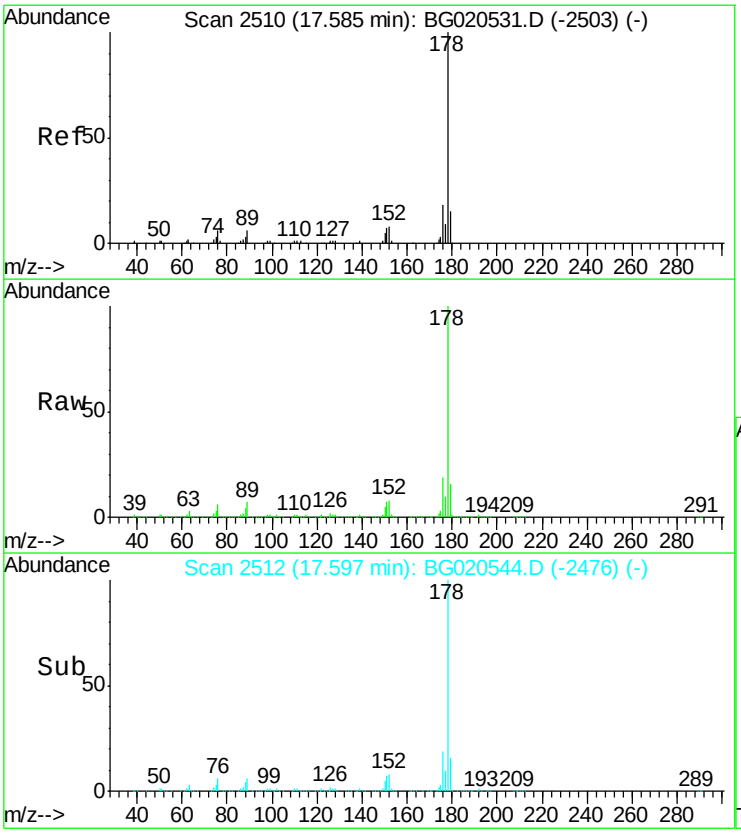
#70
Phenanthrene
Concen: 166.61 ng/ul
RT: 17.51 min Scan# 2497
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Instrument :
BNA_G
ClientSampleId :
G9D96MSD

Tgt Ion:178 Resp: 1281145

Ion	Ratio	Lower	Upper
178	100		
179	18.3	12.9	19.3
176	21.8	15.3	22.9

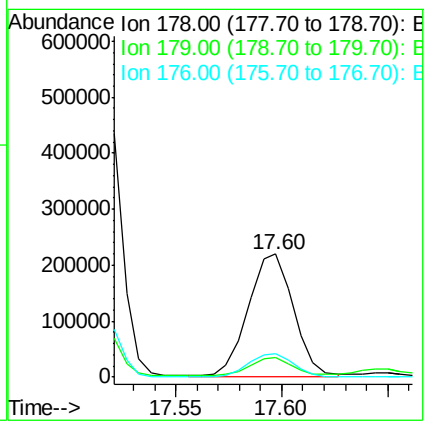


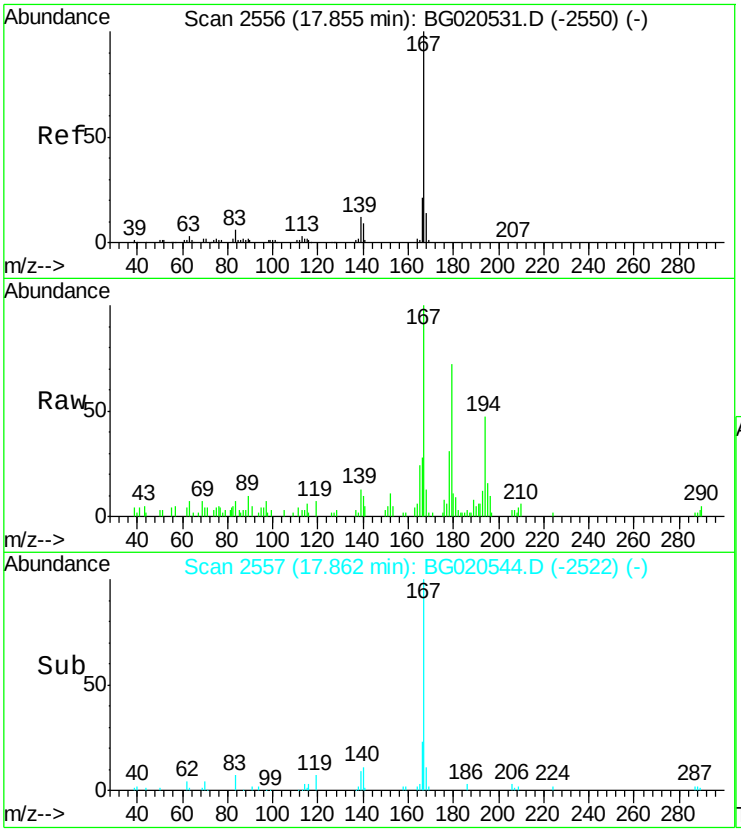


#72
Anthracene
Concen: 41.40 ng/ul
RT: 17.60 min Scan# 2512
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Tgt Ion:178 Resp: 325503

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.3	18.5
176	18.7	14.3	21.5



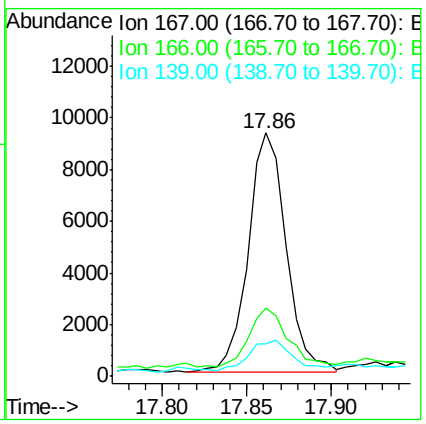


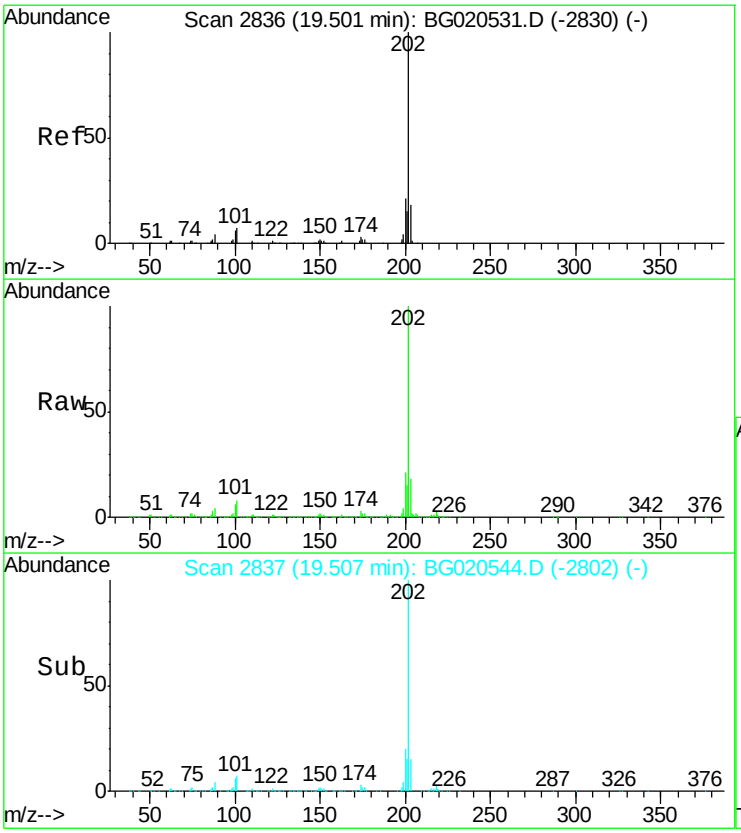
#75
Carbazole
Concen: 2.18 ng/ul
RT: 17.86 min Scan# 2557
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Instrument :
BNA_G
ClientSampleId :
G9D96MSD

Tgt Ion:167 Resp: 14441

Ion	Ratio	Lower	Upper
167	100		
166	28.0	17.0	25.6#
139	13.5	10.1	15.1

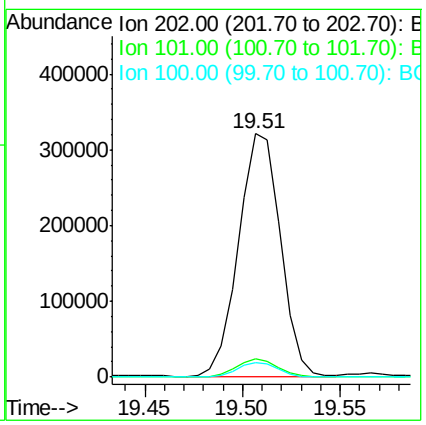


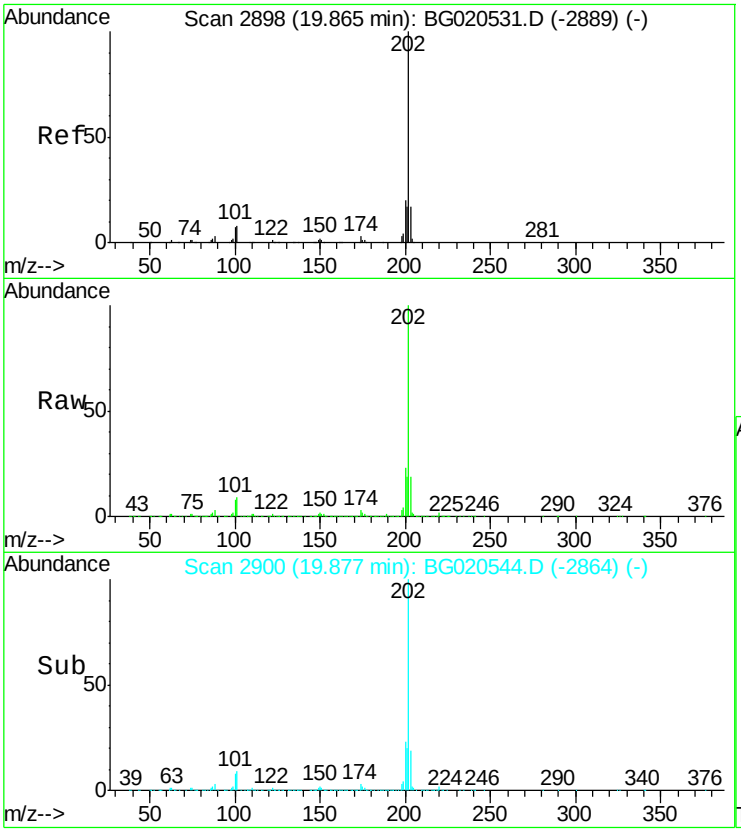


#77
Fluoranthene
Concen: 49.21 ng/ul
RT: 19.51 min Scan# 2837
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Tgt Ion:202 Resp: 475846

Ion	Ratio	Lower	Upper
202	100		
101	7.7	6.2	9.4
100	5.8	5.1	7.7



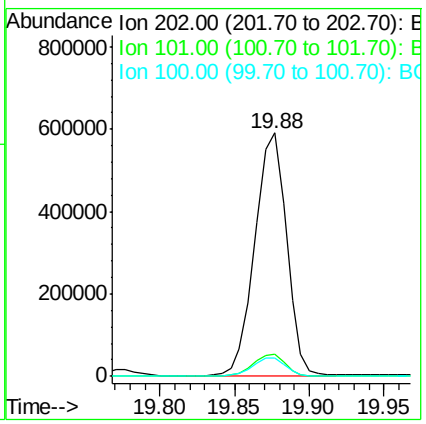


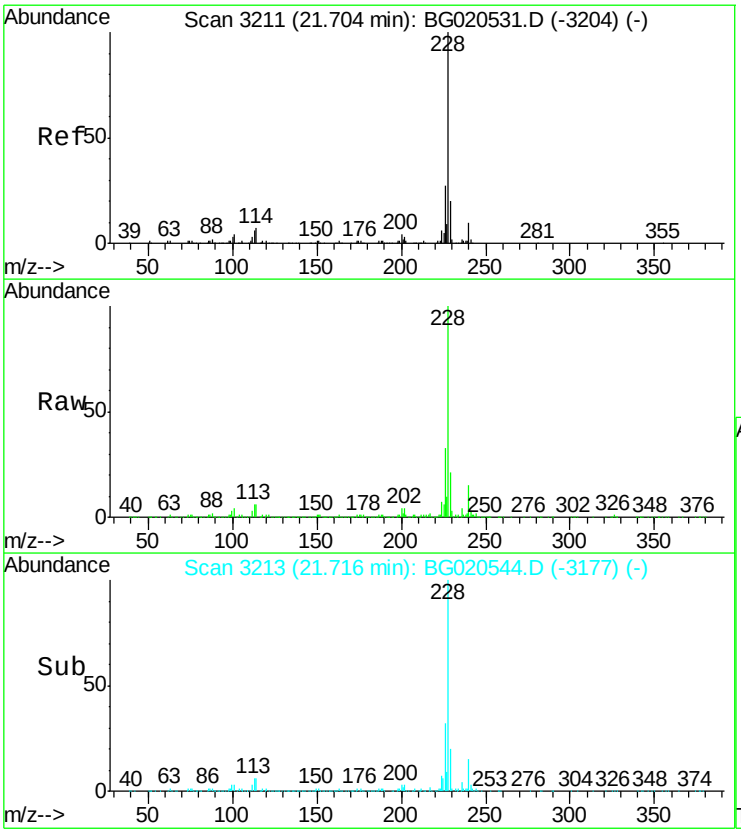
#80
Pyrene
Concen: 90.62 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Instrument :
BNA_G
ClientSampleId :
G9D96MSD

Tgt Ion:202 Resp: 869001

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
100	7.6	6.4	9.6

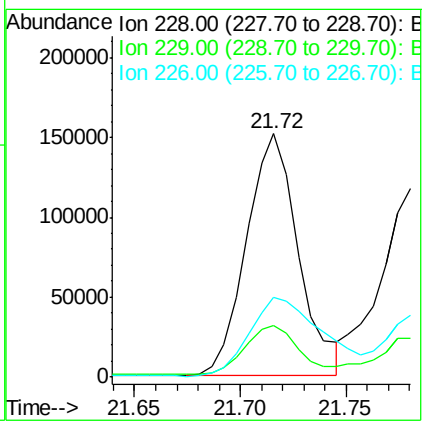


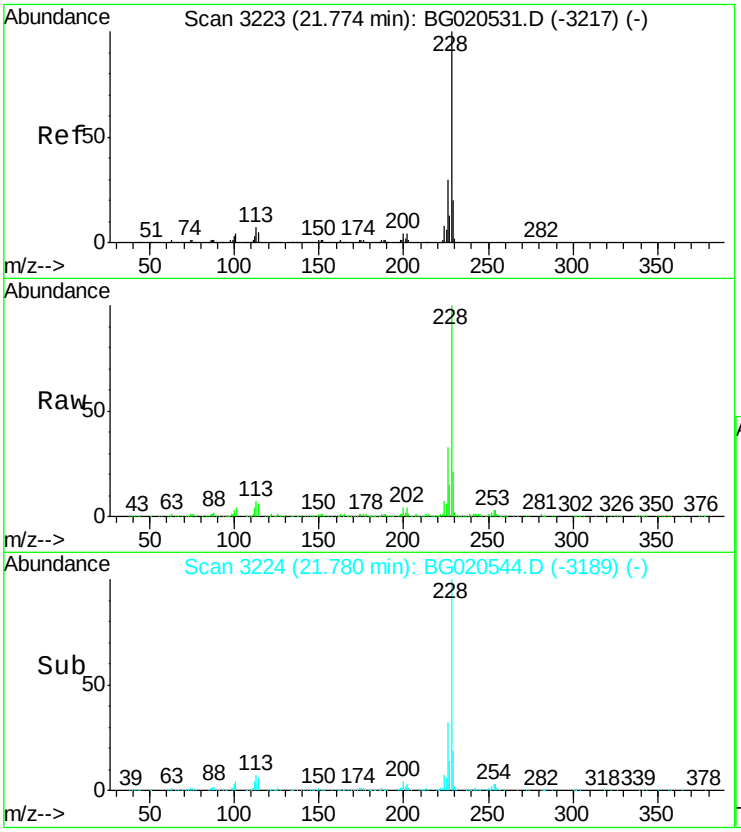


#83
Benzo(a)anthracene
Concen: 25.97 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Tgt Ion:228 Resp: 258626

Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.8	23.8
226	32.6	21.8	32.6



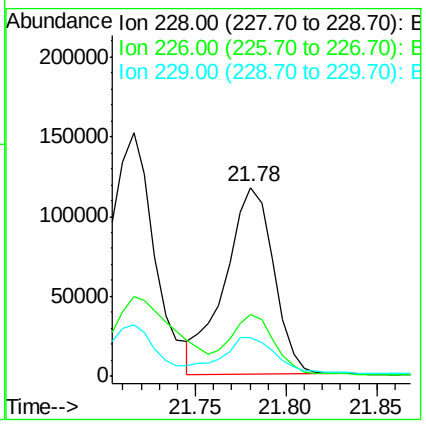


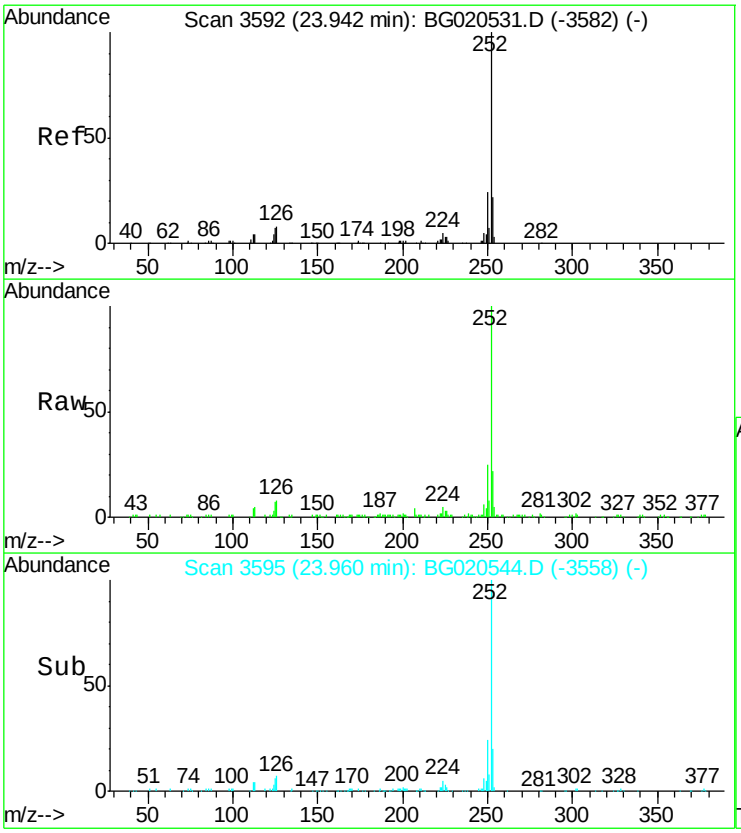
#85
Chrysene
Concen: 22.91 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Instrument :
BNA_G
ClientSampleId :
G9D96MSD

Tgt Ion:228 Resp: 217295

Ion	Ratio	Lower	Upper
228	100		
226	32.8	23.9	35.9
229	20.6	15.6	23.4

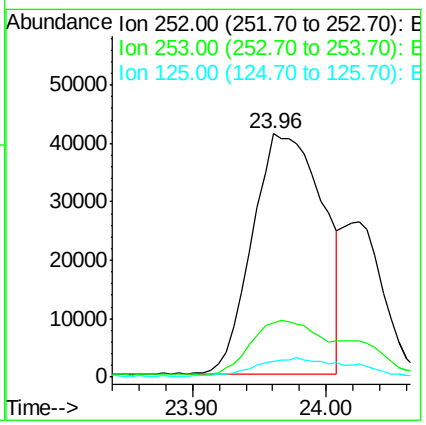


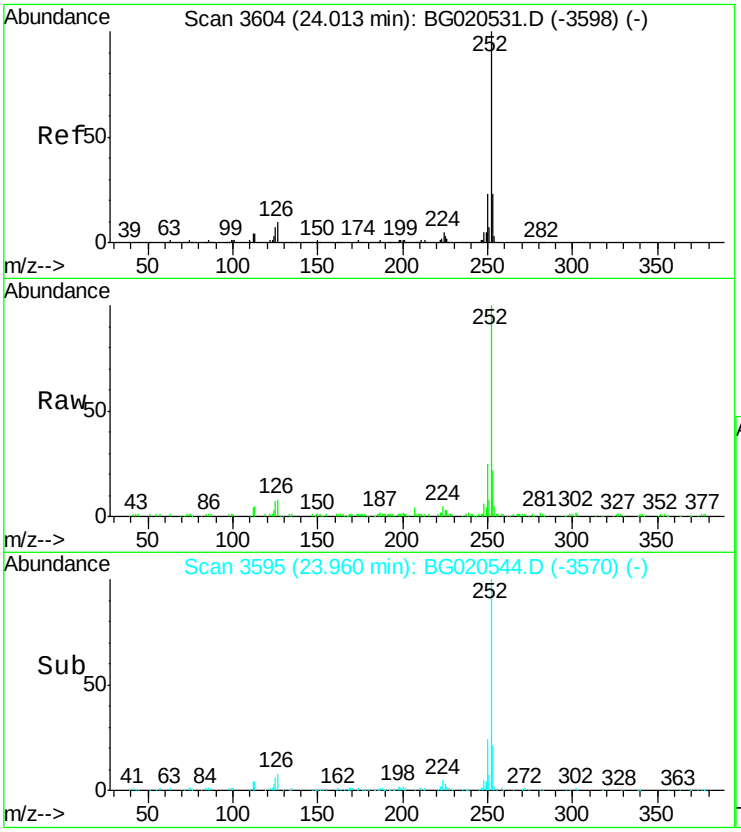


#88
Benzo(b)fluoranthene
Concen: 15.34 ng/ul
RT: 23.96 min Scan# 3595
Delta R.T. 0.02 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Tgt Ion:252 Resp: 150566

Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.7	25.1
125	6.7	6.2	9.2



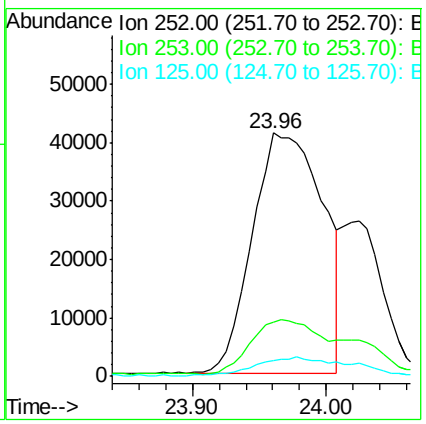


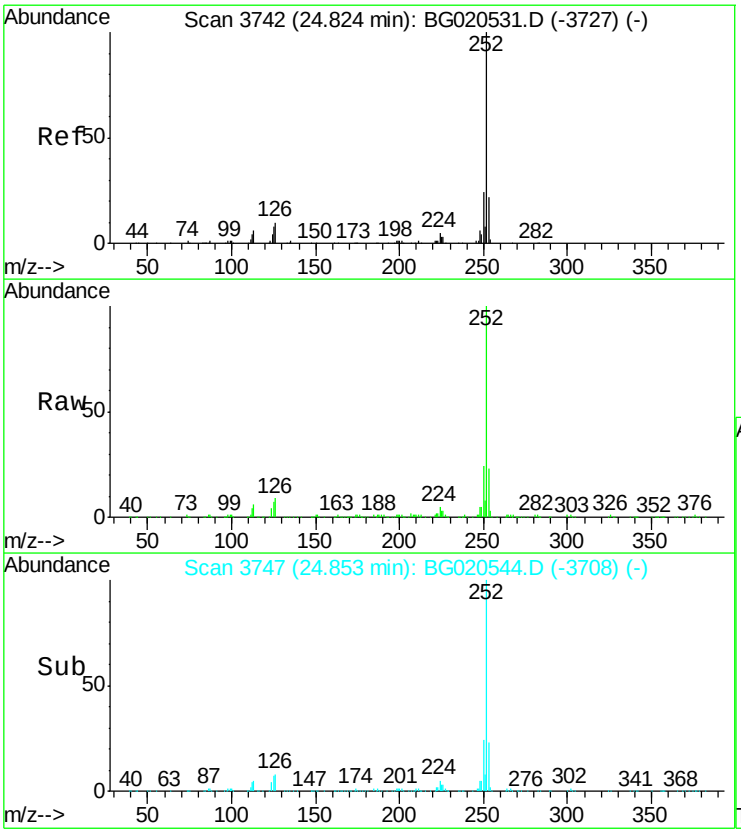
#89
Benzo(k)fluoranthene
Concen: 15.87 ng/ul
RT: 23.96 min Scan# 3595
Delta R.T. -0.05 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Instrument :
BNA_G
ClientSampleId :
G9D96MSD

Tgt Ion:252 Resp: 150566

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	6.7	5.8	8.6

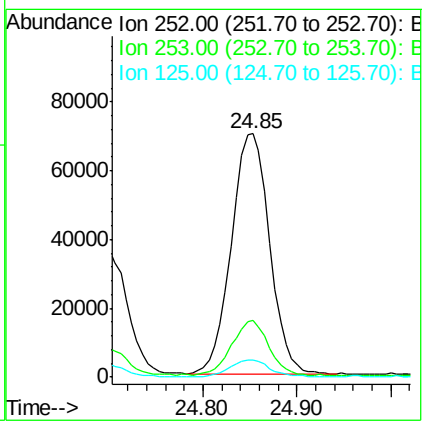


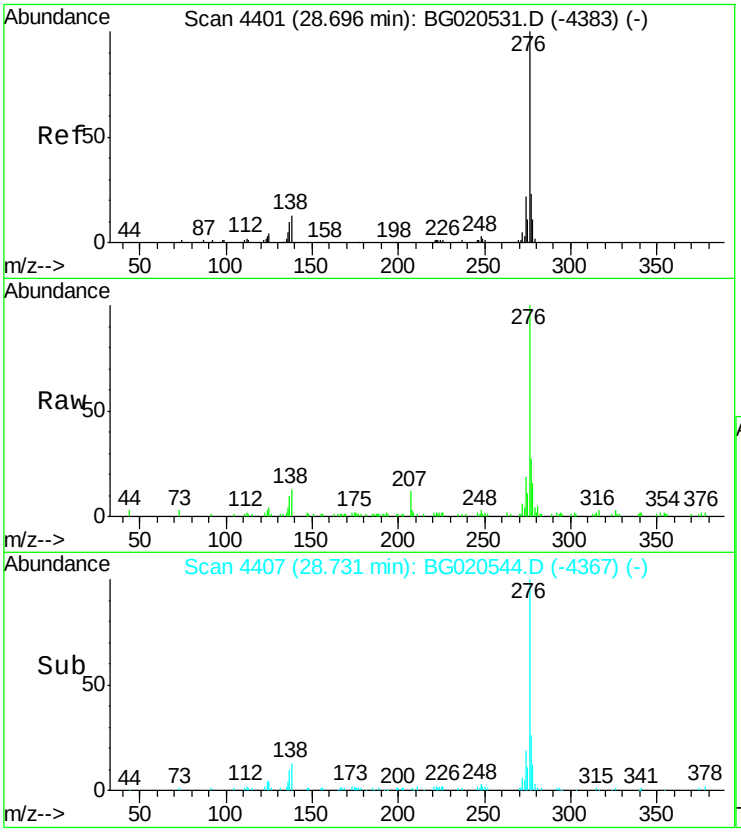


#91
Benzo(a)pyrene
Concen: 21.02 ng/ul
RT: 24.85 min Scan# 3747
Delta R.T. 0.03 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Tgt Ion:252 Resp: 198366

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.4
125	7.1	6.2	9.4



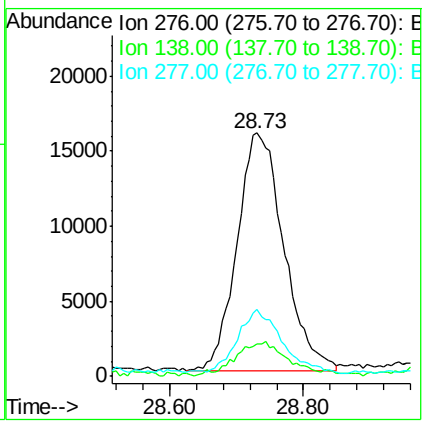


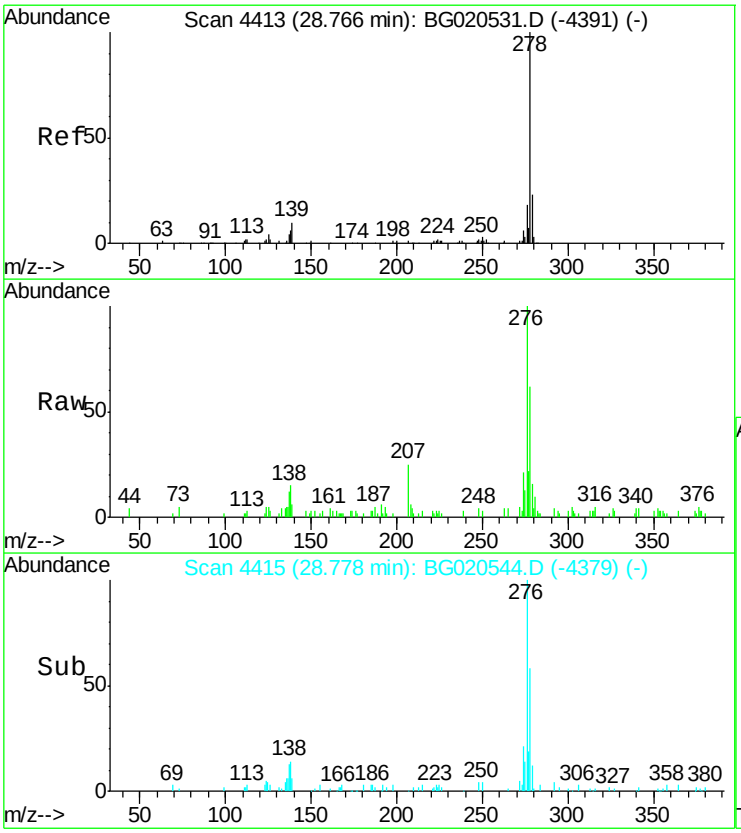
#92
Indeno(1,2,3-cd)pyrene
Concen: 6.78 ng/ul
RT: 28.73 min Scan# 4407
Delta R.T. 0.04 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Instrument :
BNA_G
ClientSampleId :
G9D96MSD

Tgt Ion:276 Resp: 76621

Ion	Ratio	Lower	Upper
276	100		
138	13.4	11.4	17.0
277	27.3	17.4	26.0#

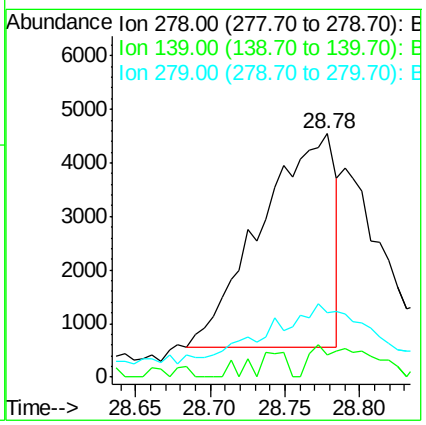


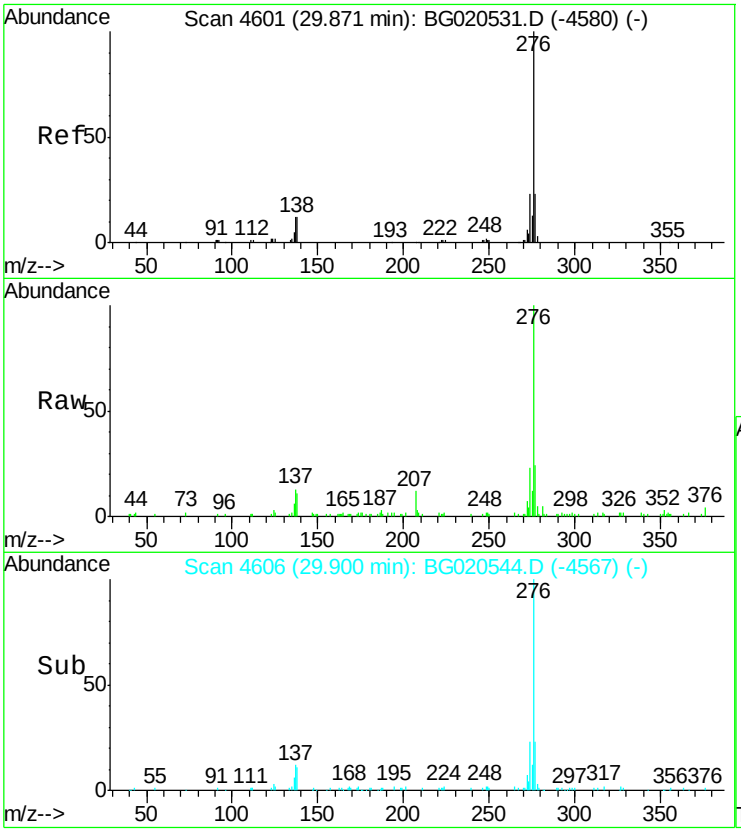


#93
Dibenzo(a,h)anthracene
Concen: 1.47 ng/ul
RT: 28.78 min Scan# 4415
Delta R.T. 0.01 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Tgt Ion:278 Resp: 13811

Ion	Ratio	Lower	Upper
278	100		
139	9.2	9.4	14.2#
279	26.5	19.4	29.0





#94
Benzo(g,h,i)perylene
Concen: 8.04 ng/ul
RT: 29.90 min Scan# 4606
Delta R.T. 0.03 min
Lab File: BG020544.D
Acq: 26 Dec 2015 17:27

Instrument :
BNA_G
ClientSampleId :
G9D96MSD

Tgt Ion:276 Resp: 74648

Ion	Ratio	Lower	Upper
276	100		
138	10.8	10.8	16.2
277	24.0	19.9	29.9