Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020618\
Data File : BG032586.D
Acq On : 7 Feb 2018 6:11
Operator : SJ/JU
Sample : J1455-06
Misc : MDL-W-8 ppm
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LW-02-OW

Quant Time: Feb 07 07:36:51 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 18:57:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	15477	20.00	ng	0.00
21) Naphthalene-d8	11.58	136	67484	20.00	ng	0.00
38) Acenaphthene-d10	15.34	164	45603	20.00	ng	0.00
63) Phenanthrene-d10	18.07	188	113691	20.00	ng	0.00
75) Chrysene-d12	22.39	240	140596	20.00	ng	-0.01
86) Perylene-d12	26.06	264	164265	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	43703	56.72	ng	0.00
7) Phenol-d6	7.82	99	34161	33.22	ng	0.00
23) Nitrobenzene-d5	9.91	82	84269	78.00	ng	0.00
41) 2,4,6-Tribromophenol	16.82	330	137490	158.39	ng	0.00
44) 2-Fluorobiphenyl	13.97	172	334575	87.20	ng	0.00
78) Terphenyl-d14	20.61	244	661109	100.72	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.59	88	54	0.208	ng	# 11
4) n-Nitrosodimethylamine	4.02	42	60	0.165	ng	# 1
10) Phenol	7.85	94	221	0.226	ng	# 1
15) Benzyl Alcohol	9.05	79	1648	1.945	ng	# 34
24) Nitrobenzene	10.03	77	69	0.066	ng	# 42
25) Isophorone	10.20	82	179	0.097	ng	# 69
37) 2-Methylnaphthalene	12.76	142	55	0.020	ng	# 17
45) 1,1'-Biphenyl	14.17	154	710	0.184	ng	91
47) 2-Nitroaniline	13.98	65	87	0.130	ng	# 42
48) Acenaphthylene	15.46	152	66	0.014	ng	# 59
49) Dimethylphthalate	14.76	163	3262	0.776	ng	# 77
51) Acenaphthene	15.34	154	174	0.055	ng	# 5
55) 4-Nitrophenol	15.76	139	55	0.095	ng	# 1
57) Fluorene	16.81	166	3527	0.906	ng	# 68
59) Diethylphthalate	16.11	149	2665	0.651	ng	# 67
62) Azobenzene	16.66	77	94	0.038	ng	# 48
64) 4,6-Dinitro-2-methylphenol	16.81	198	124	0.146	ng	# 18
65) n-Nitrosodiphenylamine	16.81	169	3445	1.015	ng	# 49
70) Phenanthrene	18.13	178	152	0.024	ng	# 60
71) Anthracene	18.13	178	152	0.024	ng	# 59
72) Carbazole	18.59	167	79	0.014	ng	# 59
73) Di-n-butylphthalate	18.97	149	1155	0.187	ng	# 86
77) Pyrene	20.61	202	2204	0.256	ng	# 51
79) Butylbenzylphthalate	21.29	149	57	0.021	ng	# 20
80) Benzo(a)anthracene	22.37	228	85	0.010	ng	# 50
82) Chrysene	22.39	228	300	0.036	ng	# 49
83) Bis(2-ethylhexyl)phthalate	22.22	149	284	0.074	ng	# 50
84) Di-n-octyl phthalate	23.51	149	60	0.010	ng	# 74
89) Benzo(a)pyrene	26.04	252	349	0.037	ng	# 59

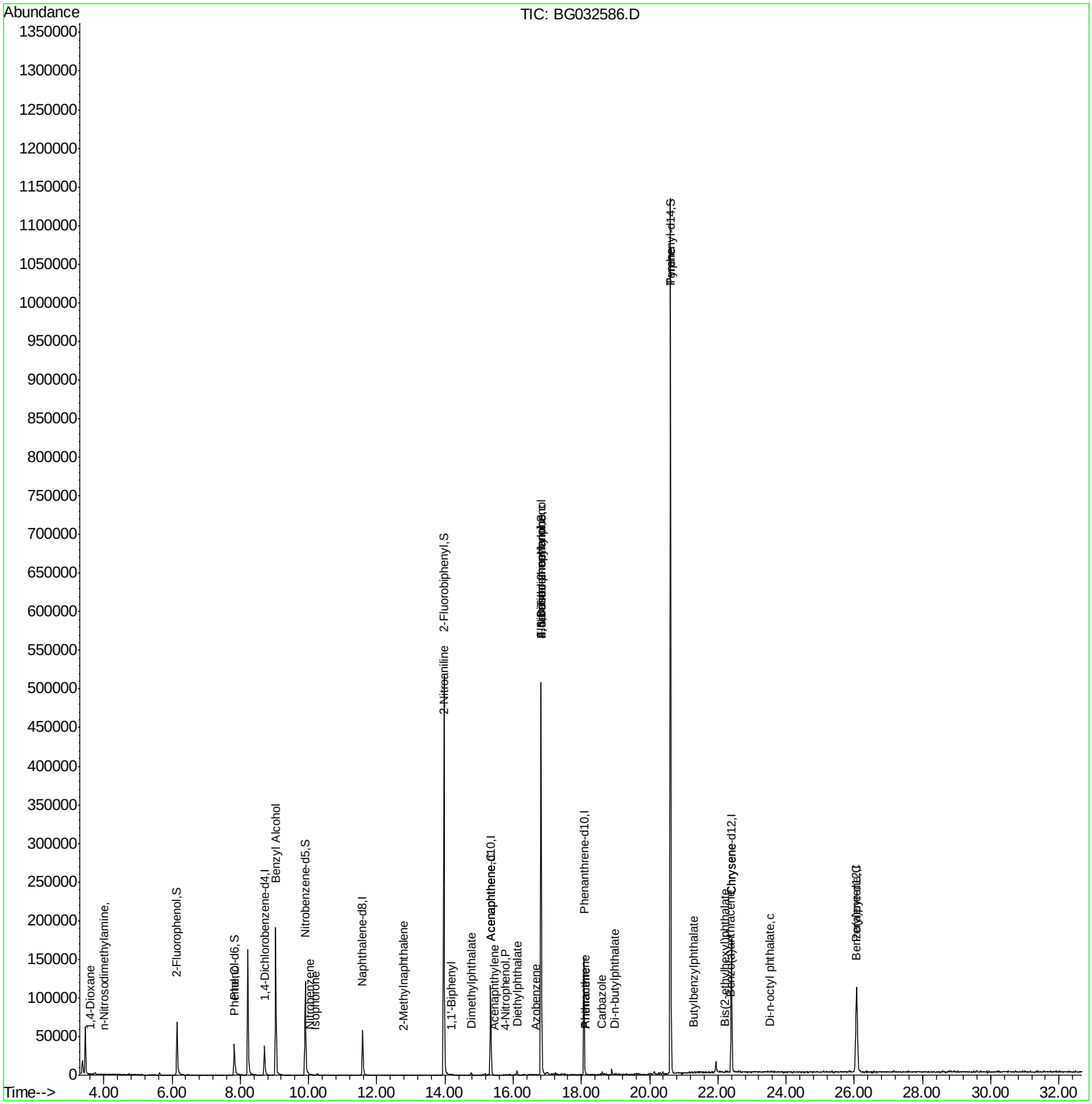
(#) = qualifier out of range (m) = manual integration (+) = signals summed

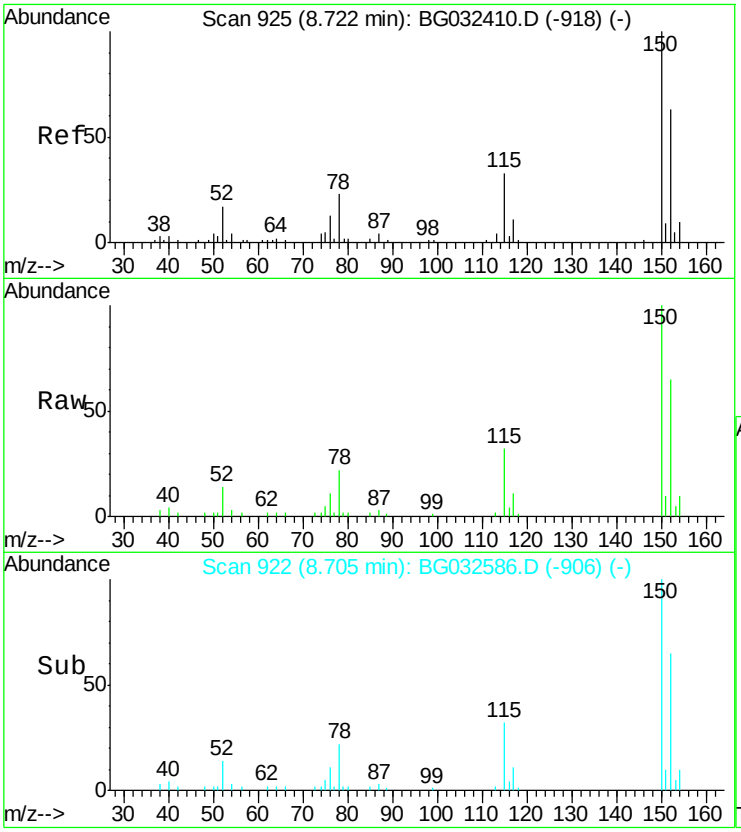
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020618\
Data File : BG032586.D
Acq On : 7 Feb 2018 6:11
Operator : SJ/JU
Sample : J1455-06
Misc : MDL-W-8 ppm
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Quant Time: Feb 07 07:36:51 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 18:57:08 2018
Response via : Initial Calibration



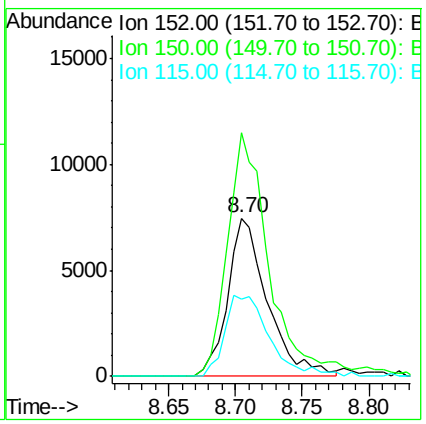


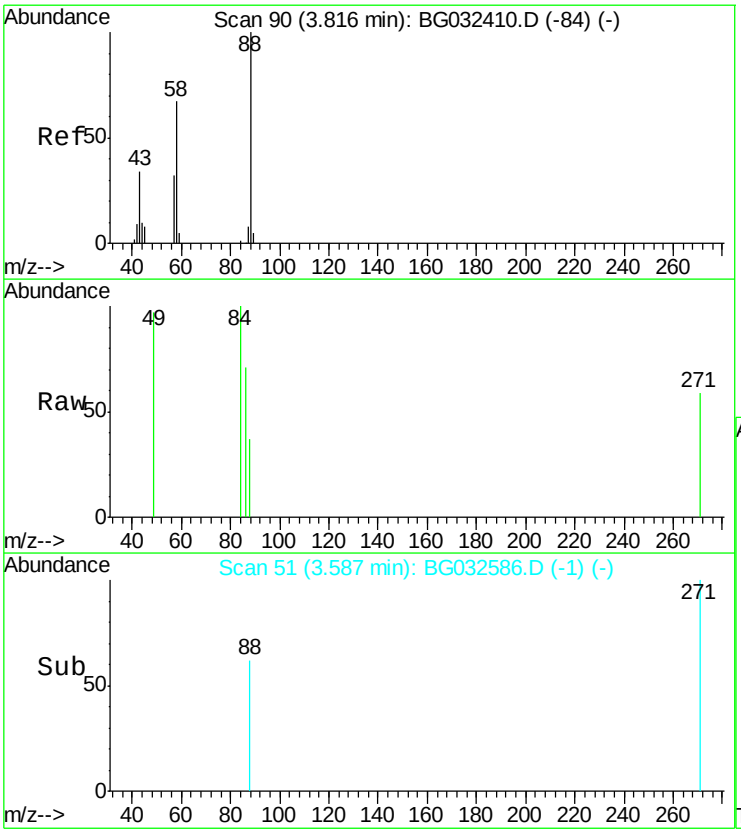
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.70 min Scan# 922
Delta R.T. -0.01 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion:152 Resp: 15477

Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.6	189.8
115	49.0	53.0	79.4#

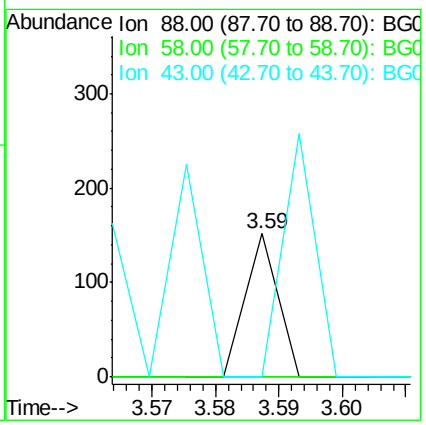


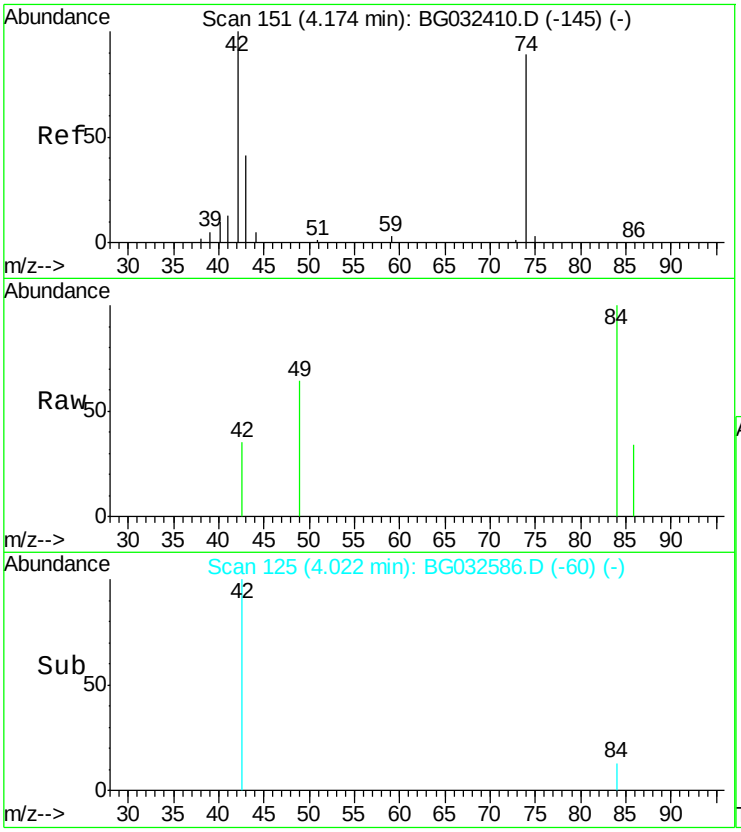


#2
1,4-Dioxane
Concen: 0.208 ng
RT: 3.59 min Scan# 51
Delta R.T. -0.22 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion: 88 Resp: 54

Ion	Ratio	Lower	Upper
88	100		
58	0.0	79.6	119.4#
43	0.0	27.4	41.0#



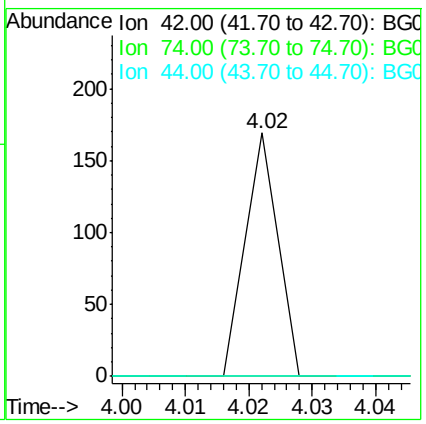


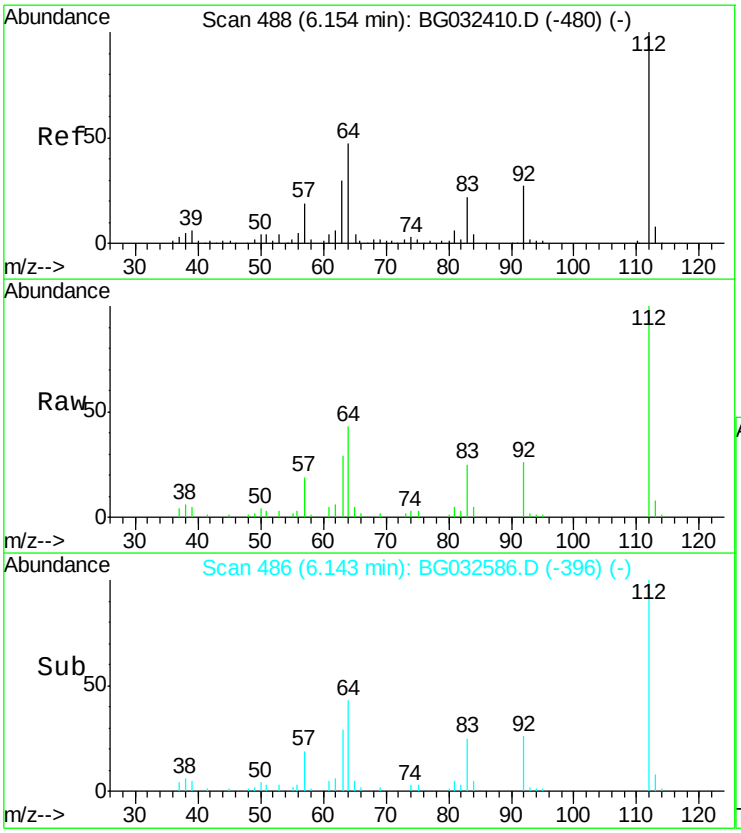
#4
n-Nitrosodimethylamine
Concen: 0.165 ng
RT: 4.02 min Scan# 125
Delta R.T. -0.15 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion: 42 Resp: 60

Ion	Ratio	Lower	Upper
42	100		
74	0.0	102.5	153.7#
44	0.0	18.9	28.3#

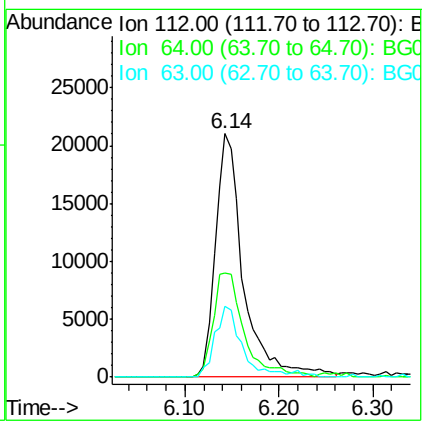


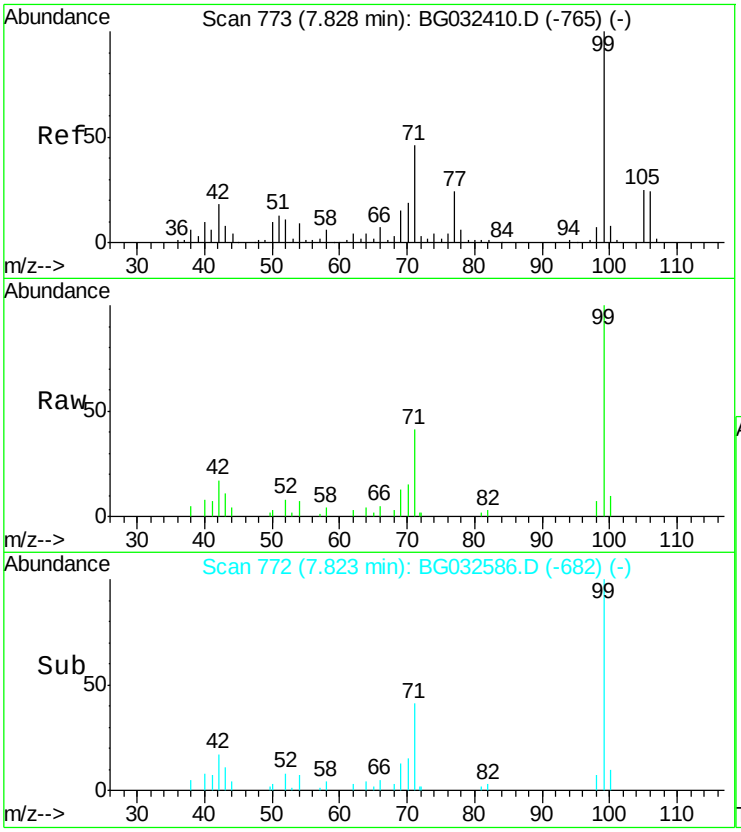


#5
2-Fluorophenol
Concen: 56.716 ng
RT: 6.14 min Scan# 486
Delta R.T. 0.00 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion:112 Resp: 43703

Ion	Ratio	Lower	Upper
112	100		
64	42.6	56.3	84.5#
63	29.3	30.1	45.1#



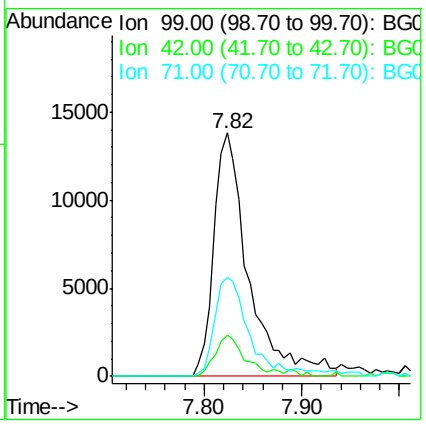


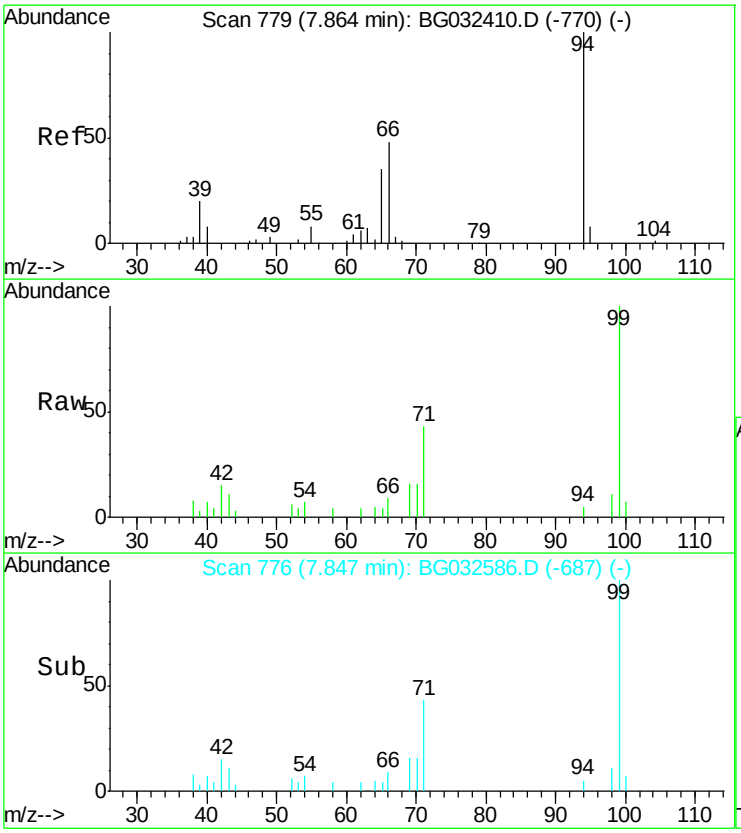
#7
Phenol-d6
Concen: 33.223 ng
RT: 7.82 min Scan# 772
Delta R.T. 0.00 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion: 99 Resp: 34161

Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.1	21.1
71	40.6	26.1	39.1#

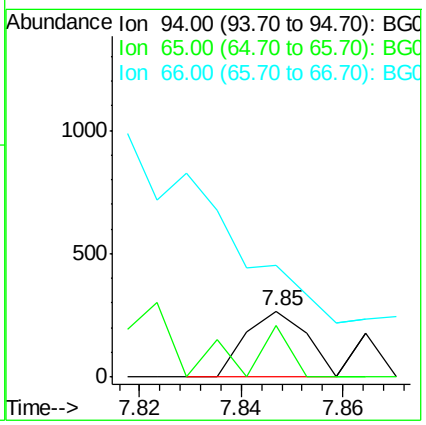


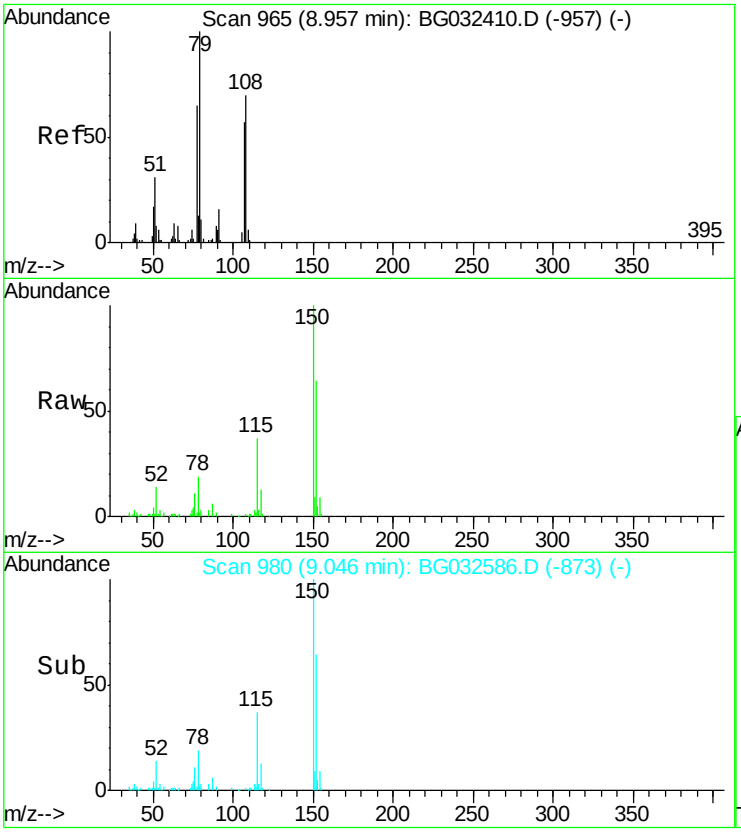


#10
Phenol
Concen: 0.226 ng
RT: 7.85 min Scan# 776
Delta R.T. -0.01 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion: 94 Resp: 221

Ion	Ratio	Lower	Upper
94	100		
65	79.0	11.9	51.9#
66	170.4	22.2	62.2#



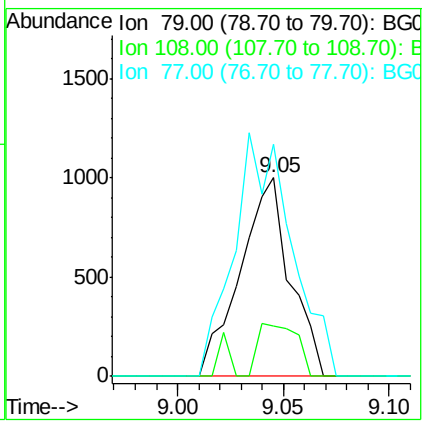


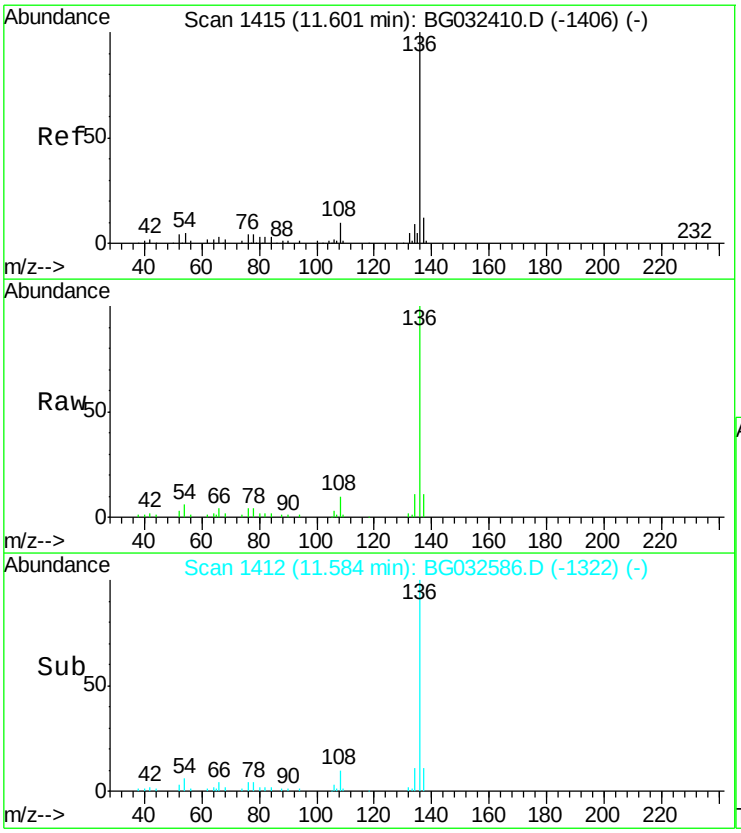
#15
Benzyl Alcohol
Concen: 1.945 ng
RT: 9.05 min Scan# 980
Delta R.T. 0.10 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion: 79 Resp: 1648

Ion	Ratio	Lower	Upper
79	100		
108	25.5	57.2	85.8#
77	116.9	46.1	69.1#

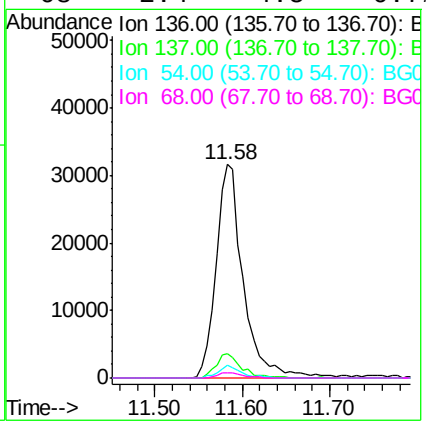


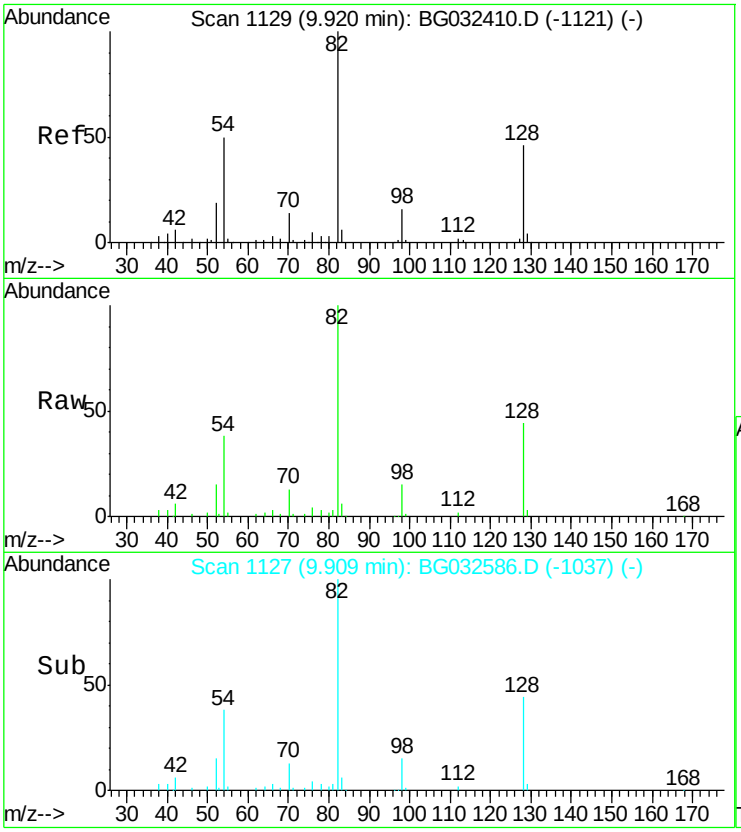


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.58 min Scan# 1412
Delta R.T. 0.00 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion:136 Resp: 67484

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	6.2	10.3	15.5#
68	2.4	4.5	6.7#



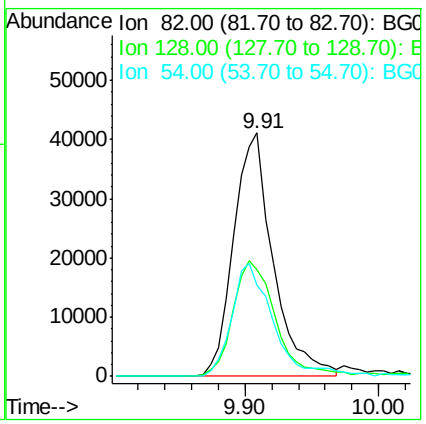


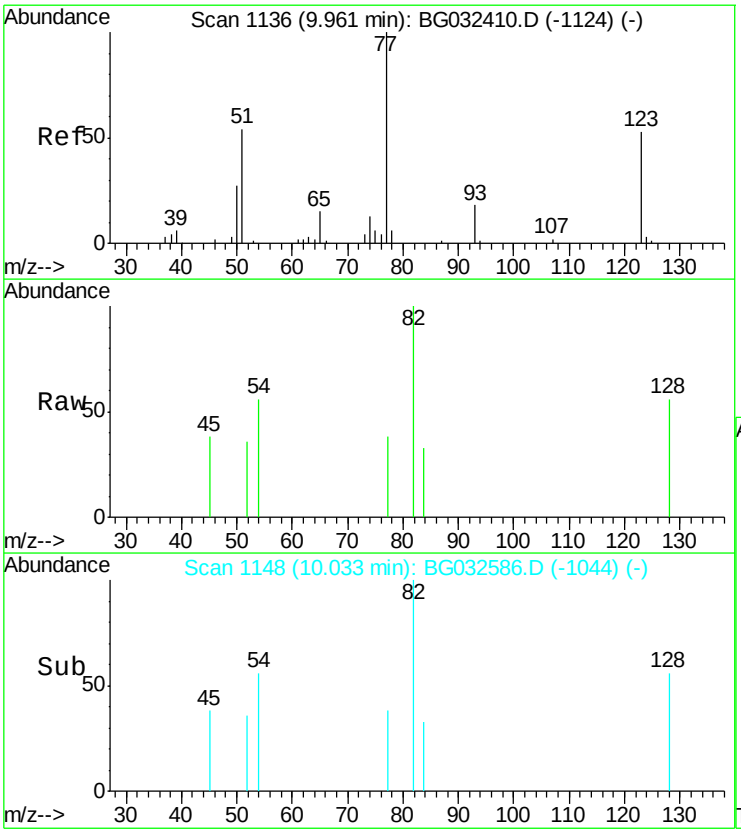
#23
Nitrobenzene-d5
Concen: 77.996 ng
RT: 9.91 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion: 82 Resp: 84269

Ion	Ratio	Lower	Upper
82	100		
128	43.7	29.7	44.5
54	37.6	43.1	64.7#

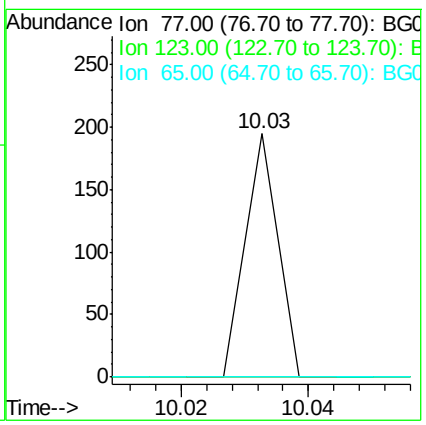


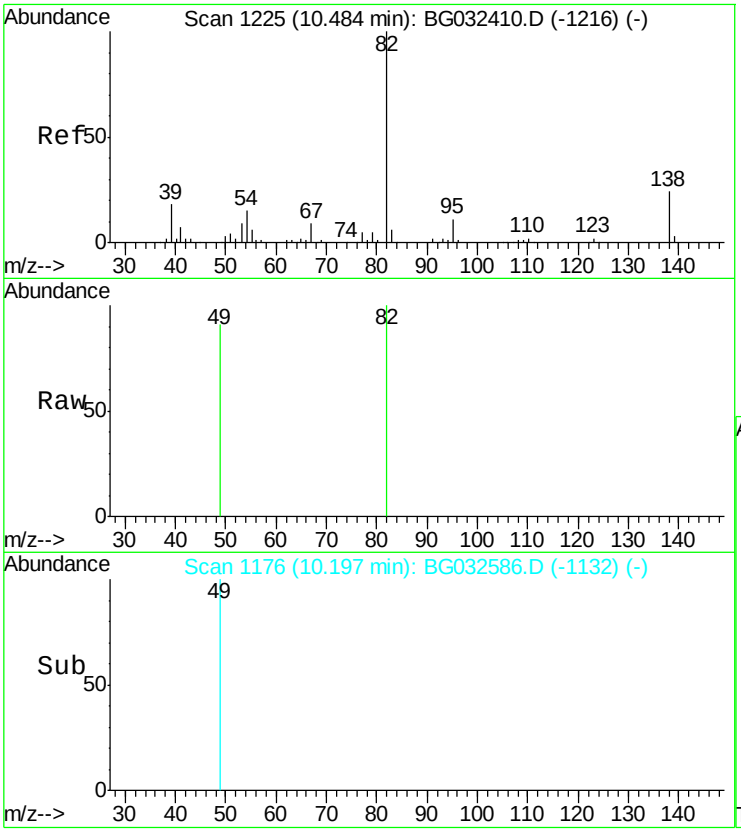


#24
Nitrobenzene
Concen: 0.066 ng
RT: 10.03 min Scan# 1148
Delta R.T. 0.08 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion: 77 Resp: 69

Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	0.0	13.0	19.6#



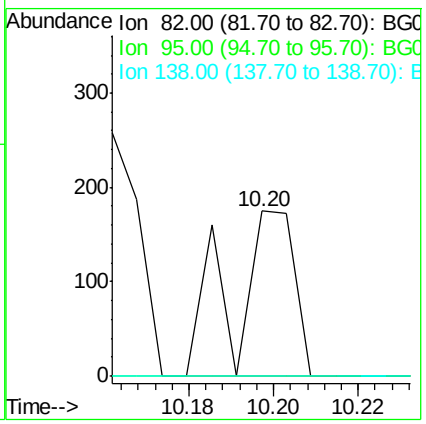


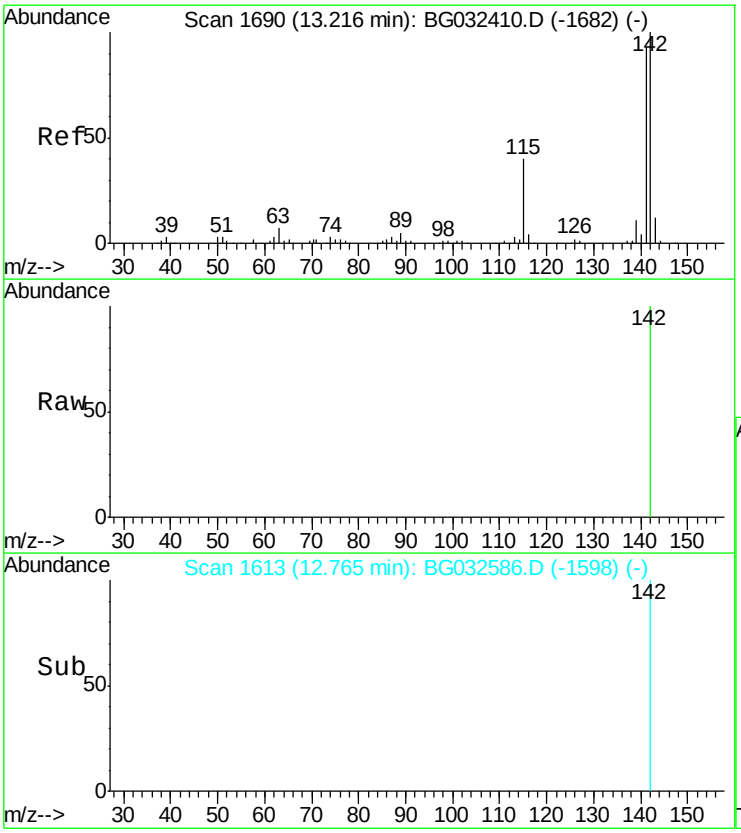
#25
Isophorone
Concen: 0.097 ng
RT: 10.20 min Scan# 1176
Delta R.T. -0.27 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion: 82 Resp: 179

Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.2	9.2#
138	0.0	12.1	18.1#

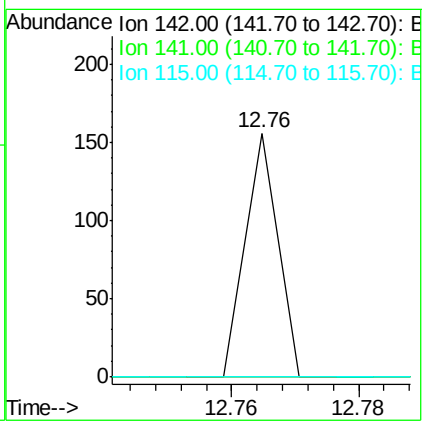


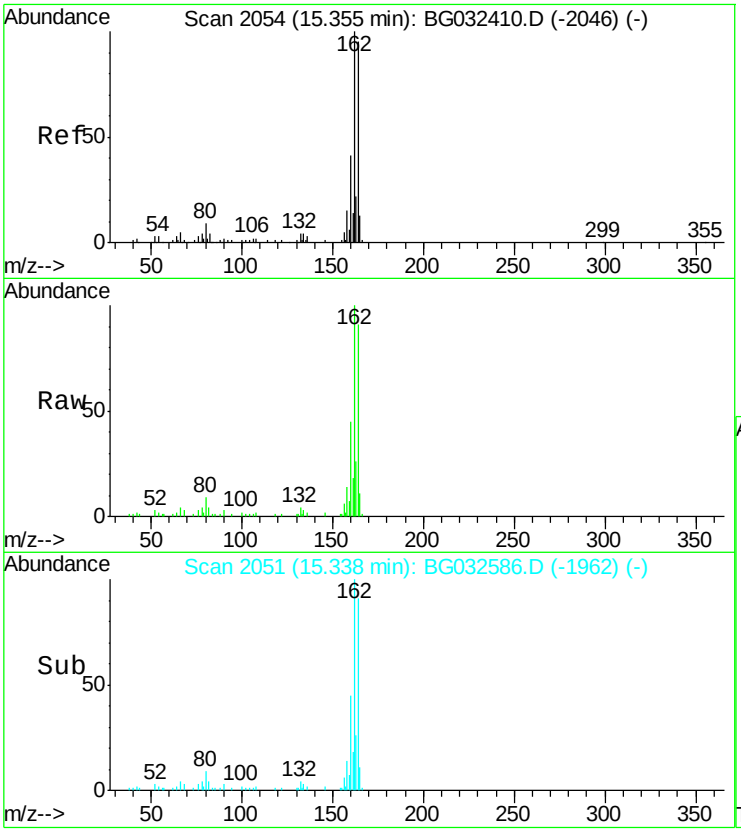


#37
2-Methylnaphthalene
Concen: 0.020 ng
RT: 12.76 min Scan# 1613
Delta R.T. -0.44 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion:142 Resp: 55

Ion	Ratio	Lower	Upper
142	100		
141	0.0	67.1	100.7#
115	0.0	30.7	46.1#



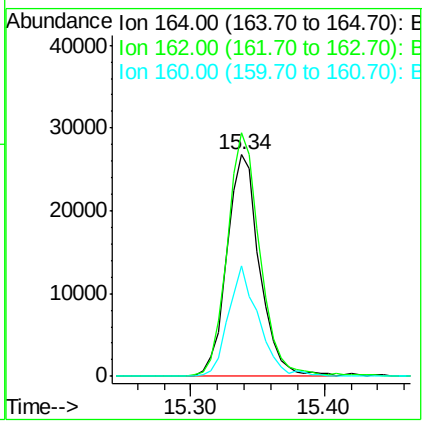


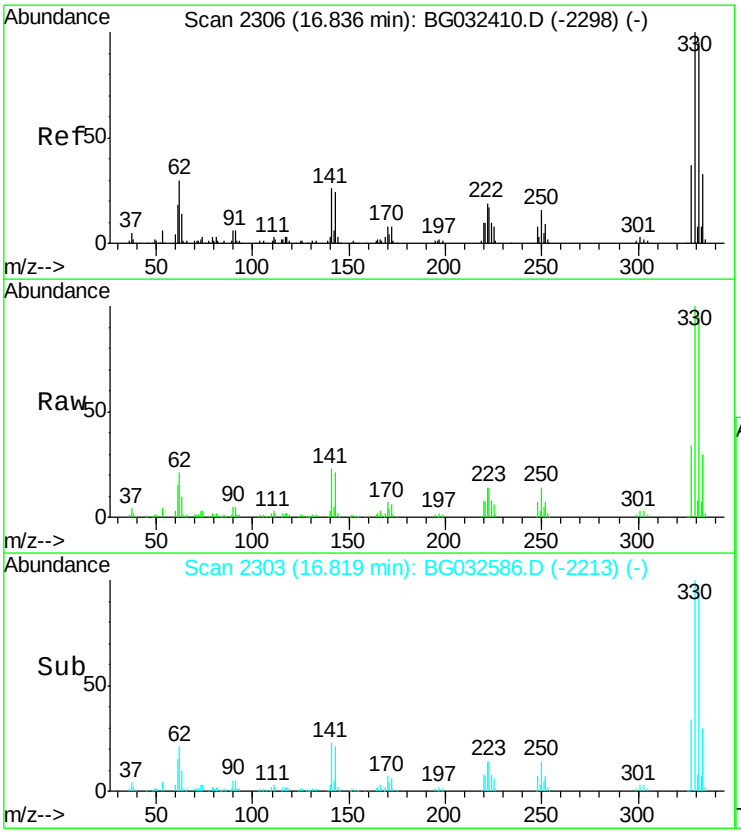
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.34 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion:164 Resp: 45603

Ion	Ratio	Lower	Upper
164	100		
162	110.0	78.8	118.2
160	50.0	35.4	53.0

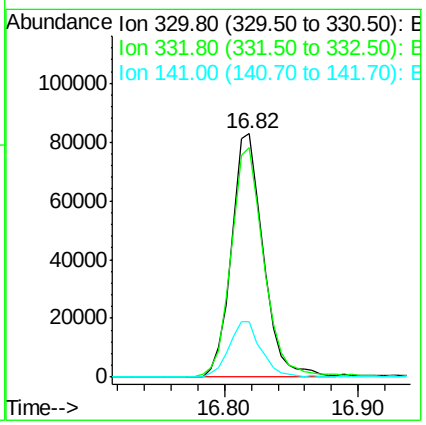


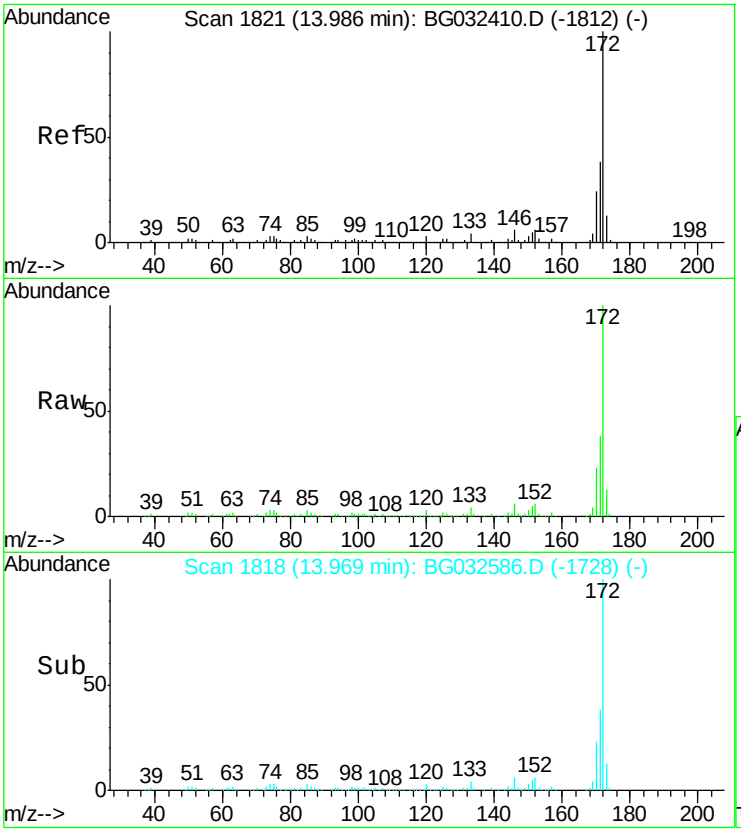


#41
2,4,6-Tribromophenol
Concen: 158.389 ng
RT: 16.82 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion:330 Resp: 137490

Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	23.2	25.2	37.8#



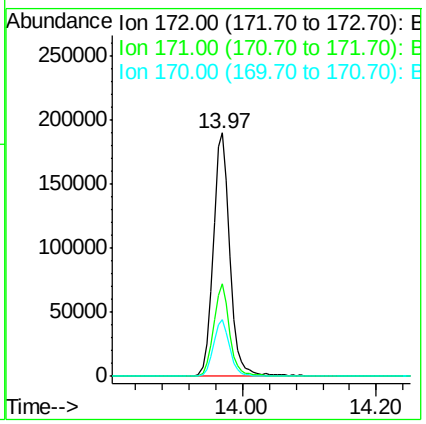


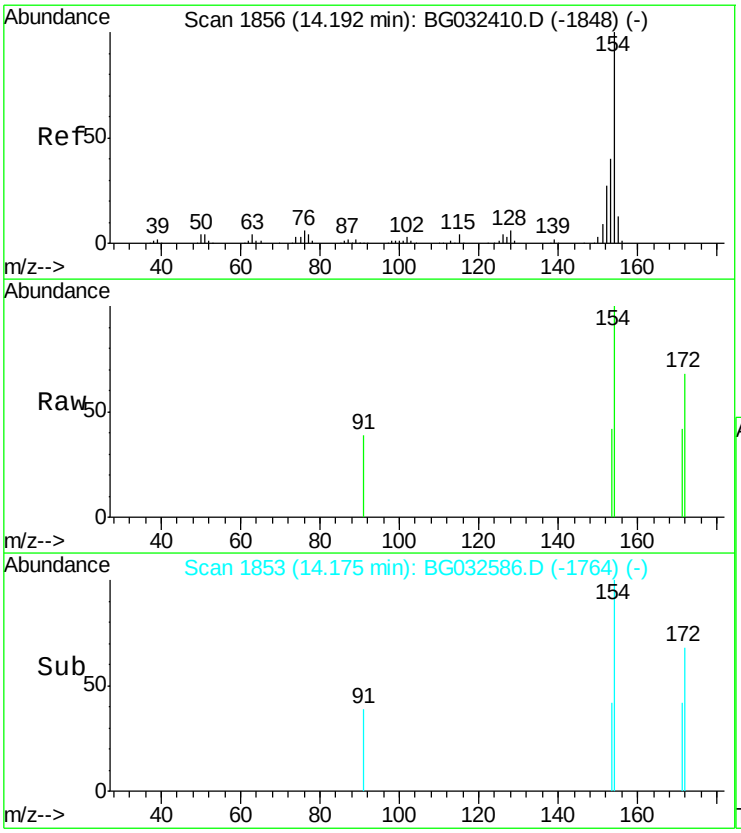
#44
2-Fluorobiphenyl
Concen: 87.201 ng
RT: 13.97 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion:172 Resp: 334575

Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.0	45.0
170	23.5	19.5	29.3

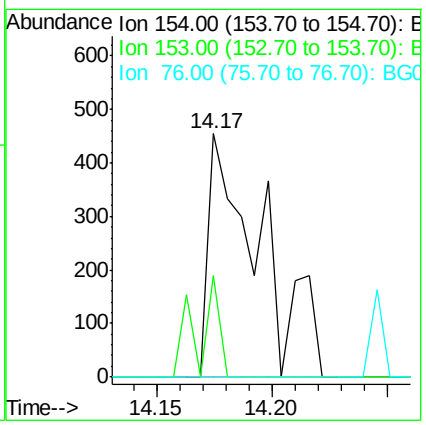


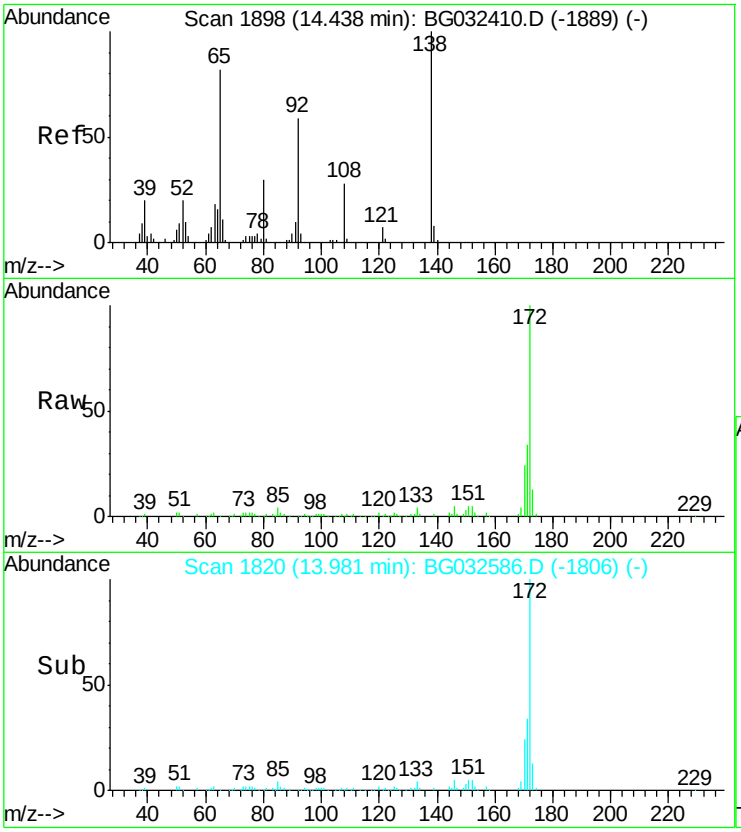


#45
1,1'-Biphenyl
Concen: 0.184 ng
RT: 14.17 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion:154 Resp: 710

Ion	Ratio	Lower	Upper
154	100		
153	41.5	19.8	59.8
76	0.0	0.0	31.9



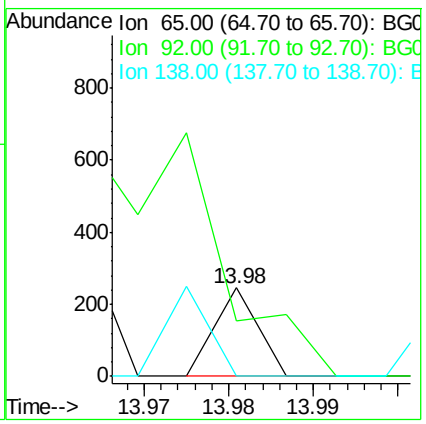


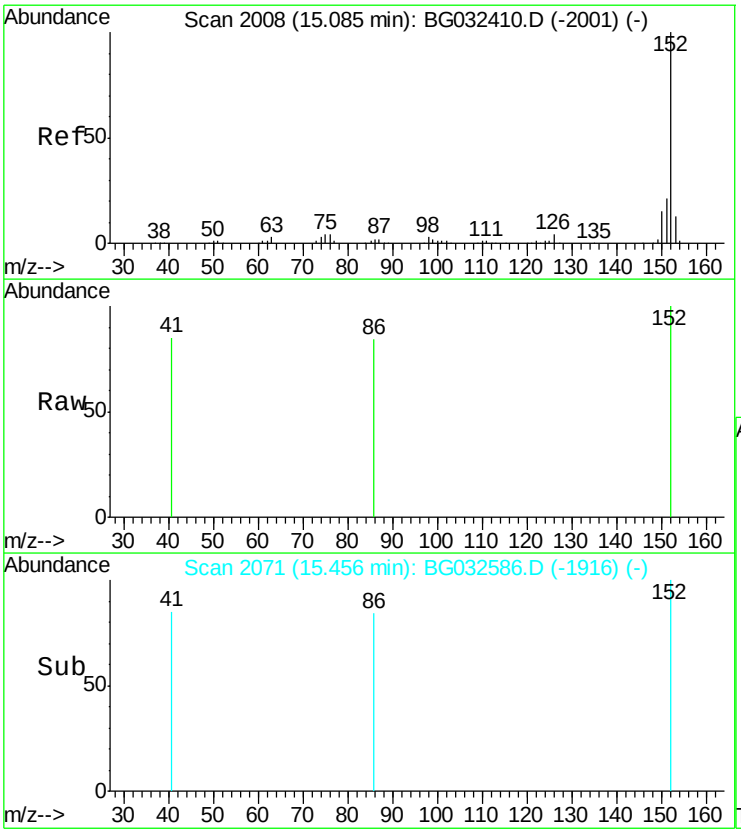
#47
2-Nitroaniline
Concen: 0.130 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.45 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion: 65 Resp: 87

Ion	Ratio	Lower	Upper
65	100		
92	62.2	54.6	82.0
138	0.0	72.9	109.3#

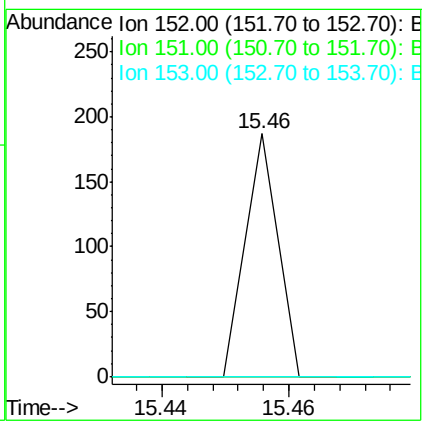


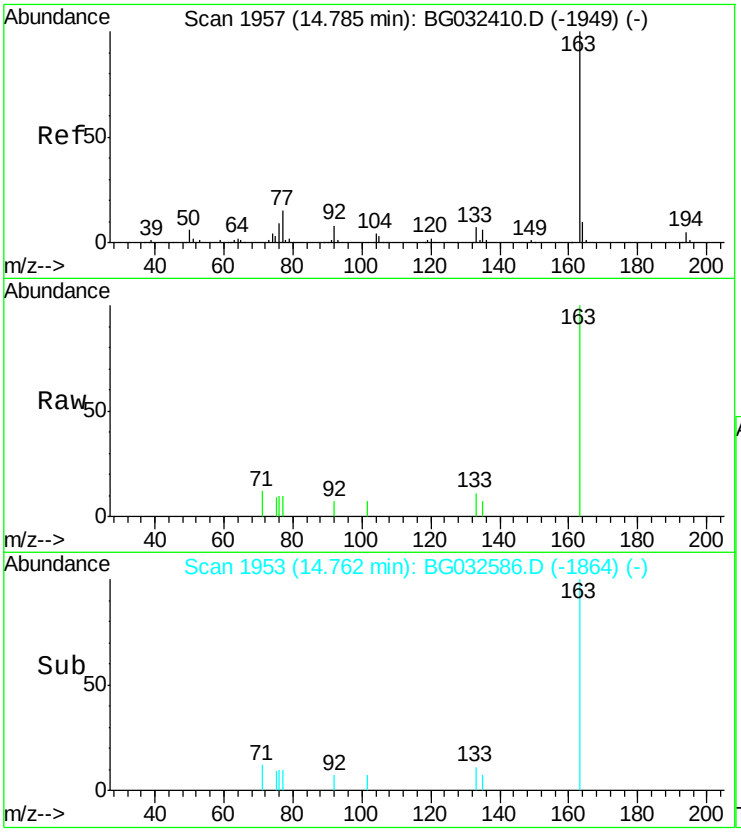


#48
Acenaphthylene
Concen: 0.014 ng
RT: 15.46 min Scan# 2071
Delta R.T. 0.38 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion:152 Resp: 66

Ion	Ratio	Lower	Upper
152	100		
151	0.0	17.2	25.8#
153	0.0	10.2	15.4#



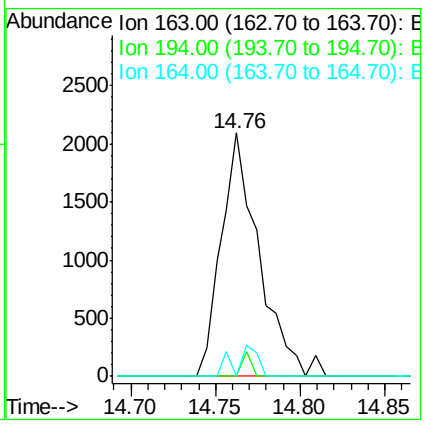


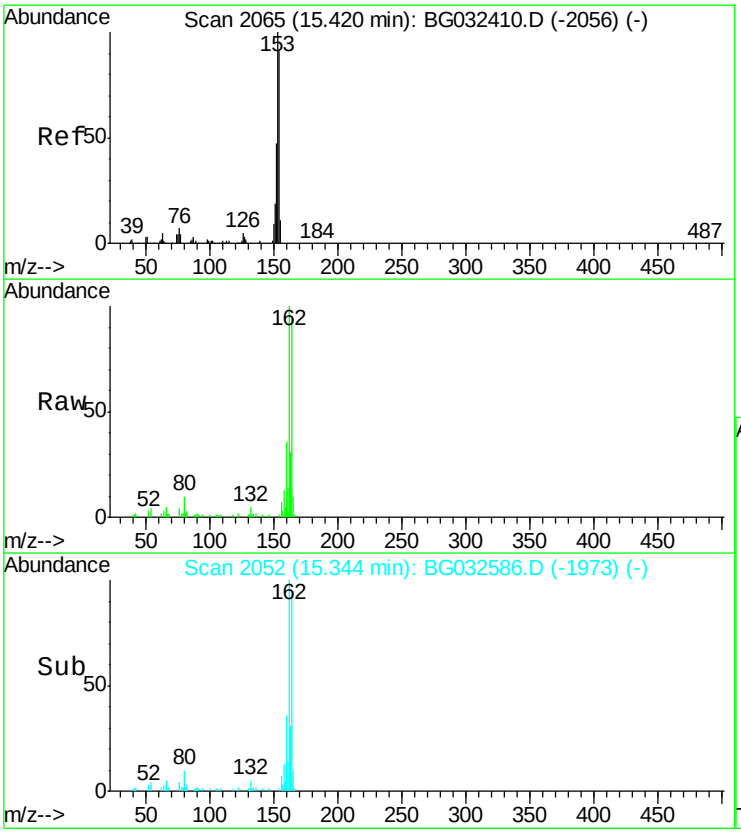
#49
Dimethylphthalate
Concen: 0.776 ng
RT: 14.76 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion:163 Resp: 3262

Ion	Ratio	Lower	Upper
163	100		
194	0.0	3.4	5.2#
164	0.0	8.2	12.4#

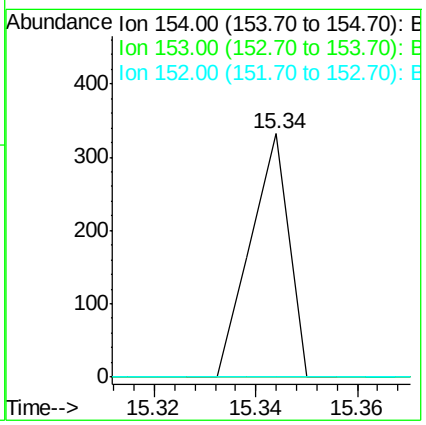


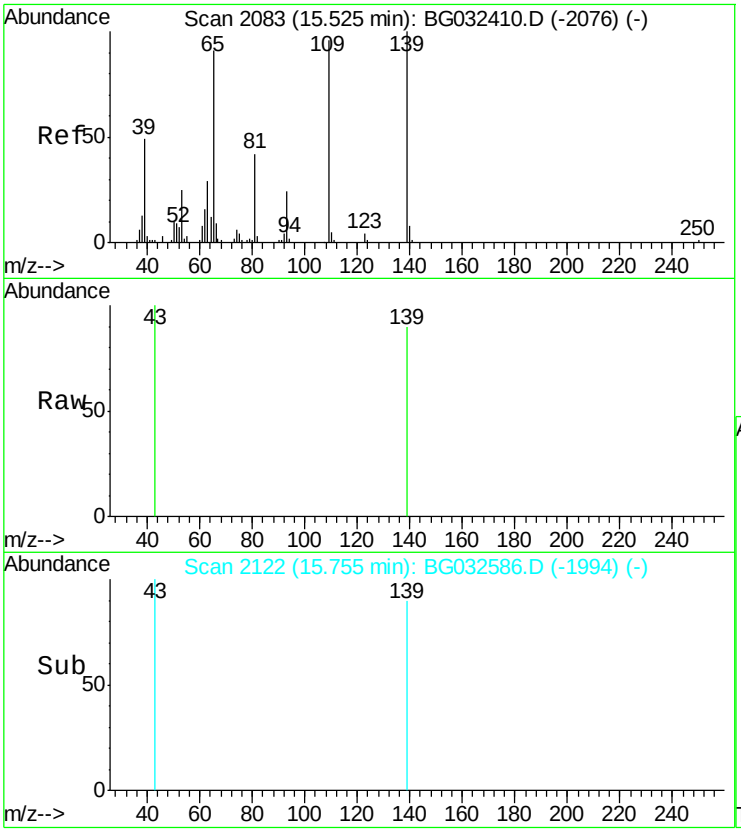


#51
Acenaphthene
Concen: 0.055 ng
RT: 15.34 min Scan# 2052
Delta R.T. -0.06 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion:154 Resp: 174

Ion	Ratio	Lower	Upper
154	100		
153	0.0	90.4	135.6#
152	0.0	41.6	62.4#



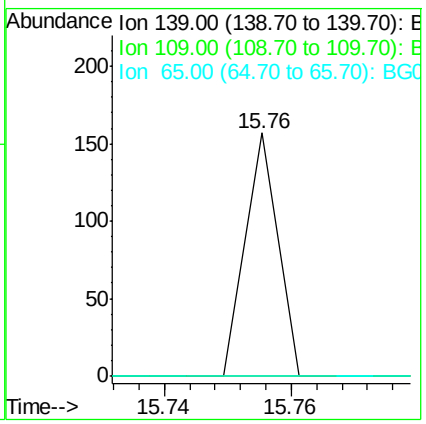


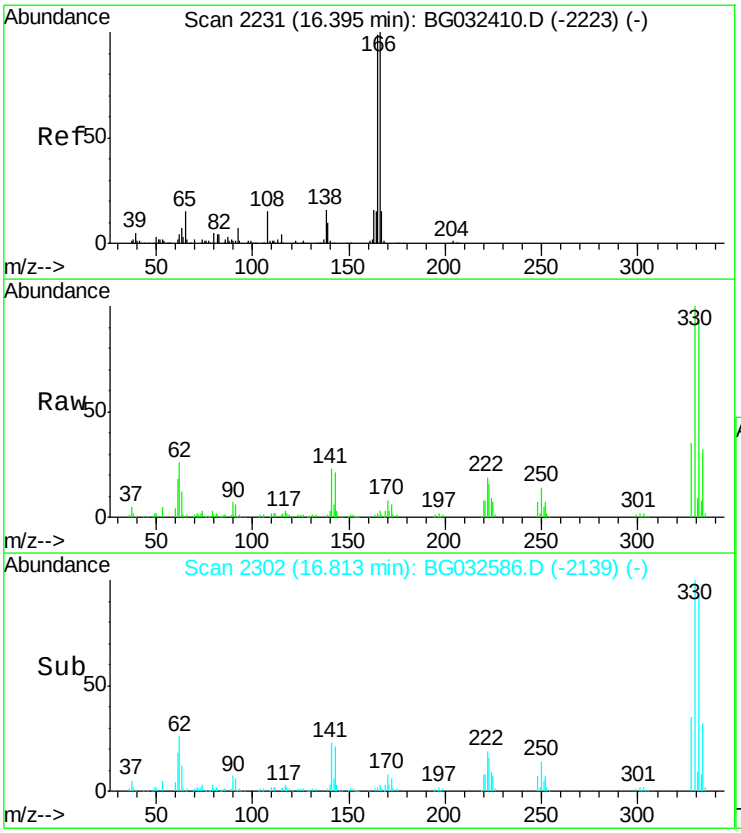
#55
4-Nitrophenol
Concen: 0.095 ng
RT: 15.76 min Scan# 2122
Delta R.T. 0.22 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion:139 Resp: 55

Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#

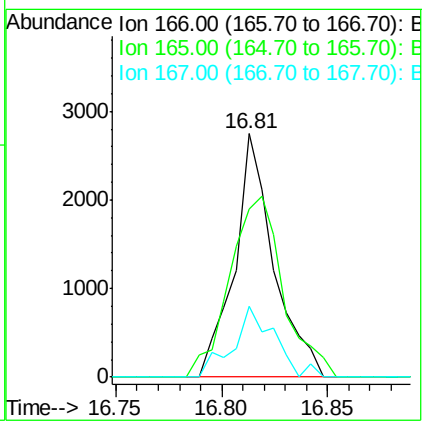


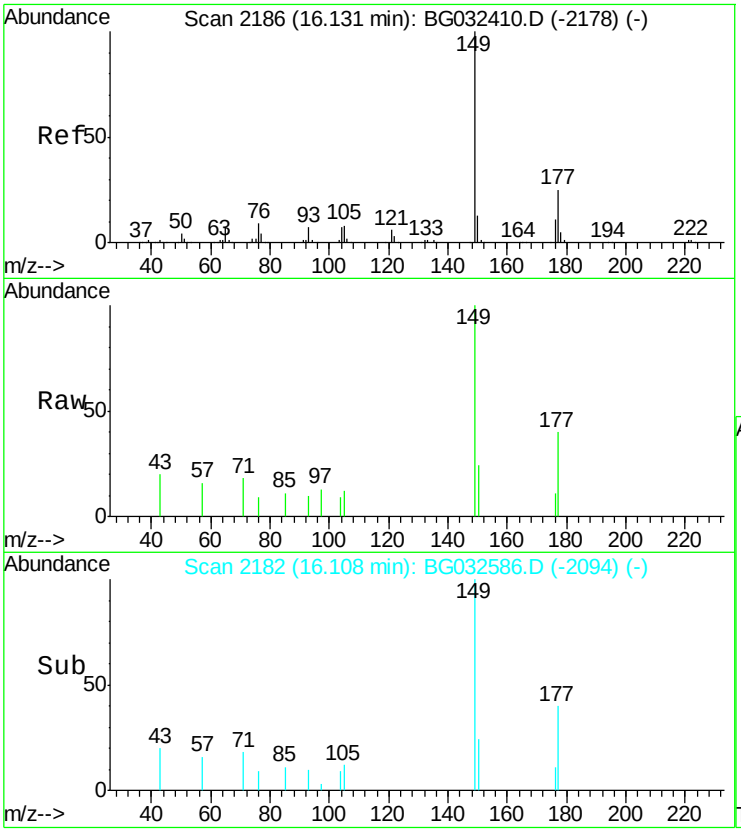


#57
Fluorene
Concen: 0.906 ng
RT: 16.81 min Scan# 2302
Delta R.T. 0.43 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion:166 Resp: 3527

Ion	Ratio	Lower	Upper
166	100		
165	69.3	80.6	121.0#
167	29.2	10.4	15.6#



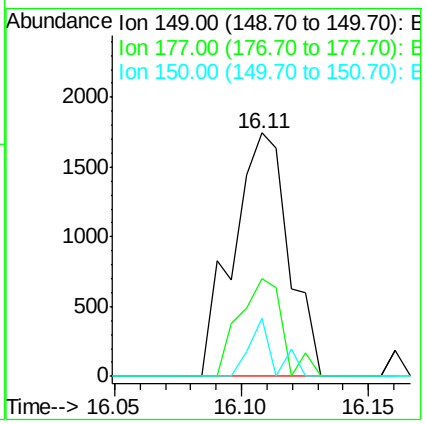


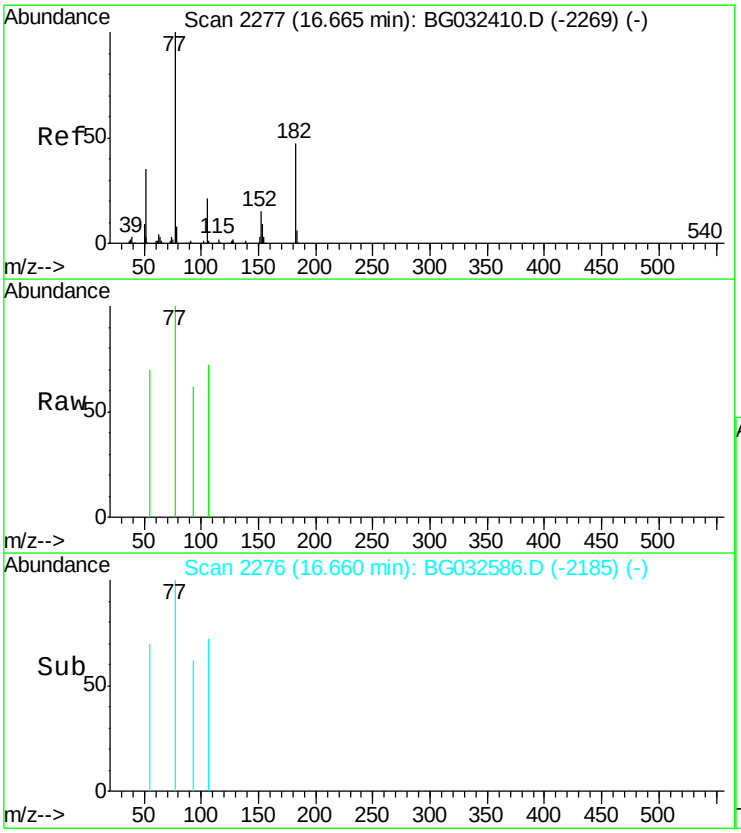
#59
Diethylphthalate
Concen: 0.651 ng
RT: 16.11 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion:149 Resp: 2665

Ion	Ratio	Lower	Upper
149	100		
177	40.2	18.5	27.7#
150	23.8	10.2	15.2#

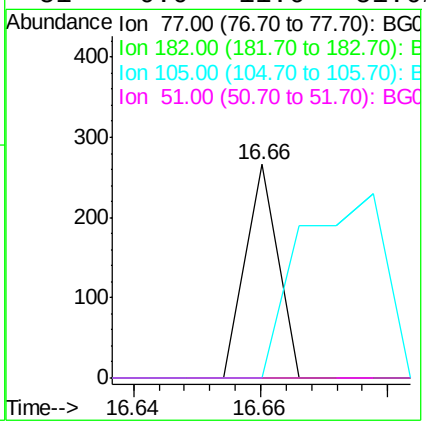


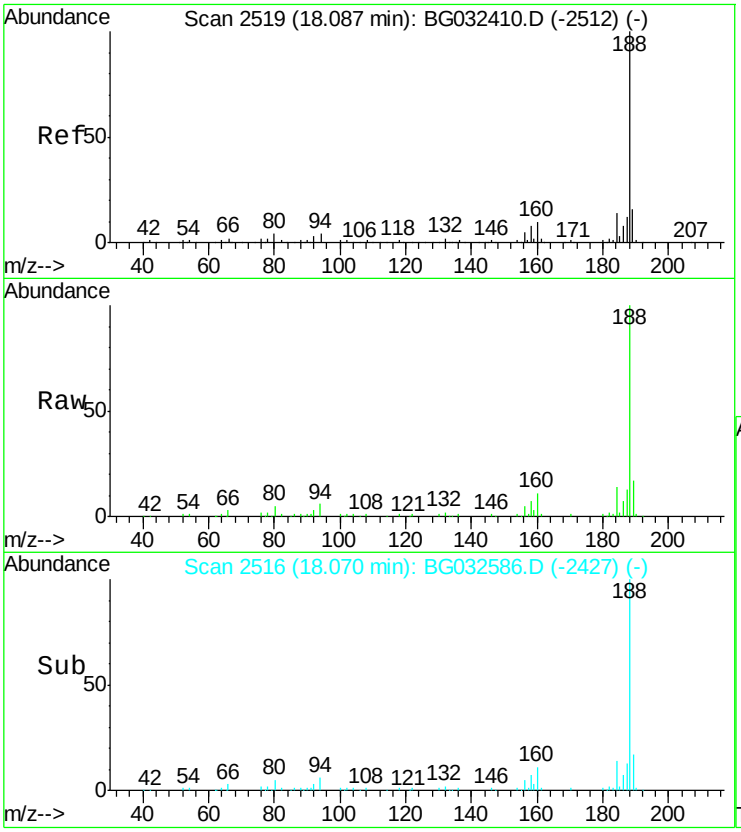


#62
Azobenzene
Concen: 0.038 ng
RT: 16.66 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion: 77 Resp: 94

Ion	Ratio	Lower	Upper
77	100		
182	0.0	7.4	47.4#
105	0.0	0.3	40.3#
51	0.0	11.6	51.6#



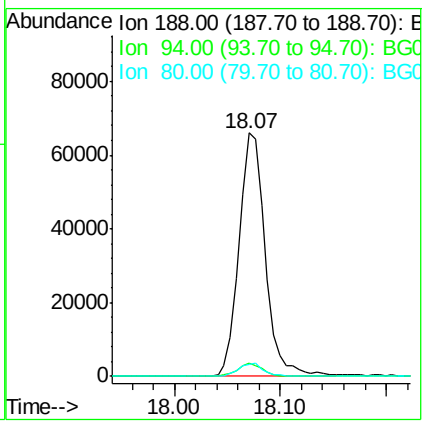


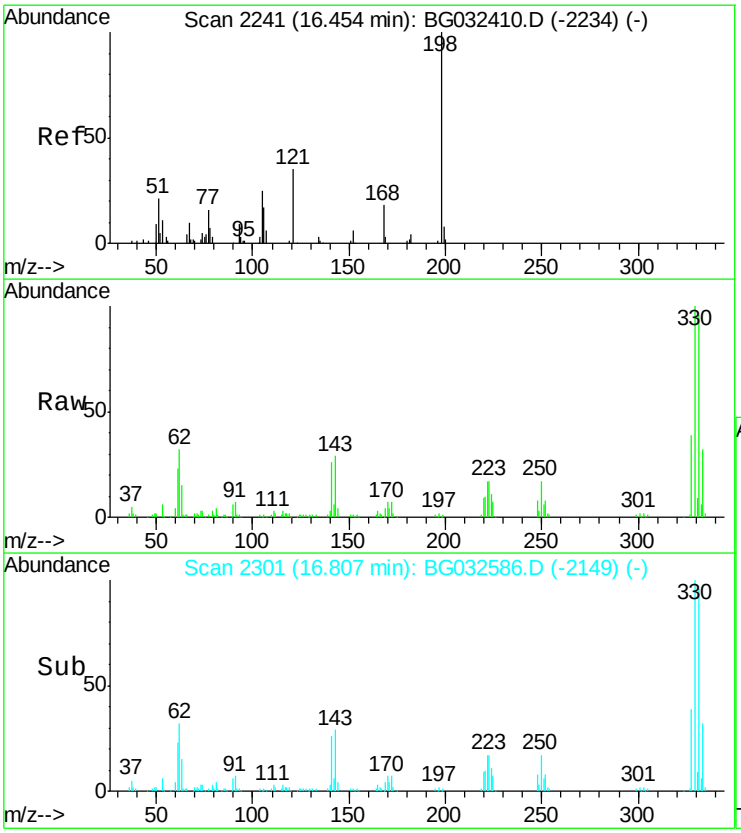
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.07 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion:188 Resp: 113691

Ion	Ratio	Lower	Upper
188	100		
94	5.7	6.9	10.3#
80	4.7	7.7	11.5#

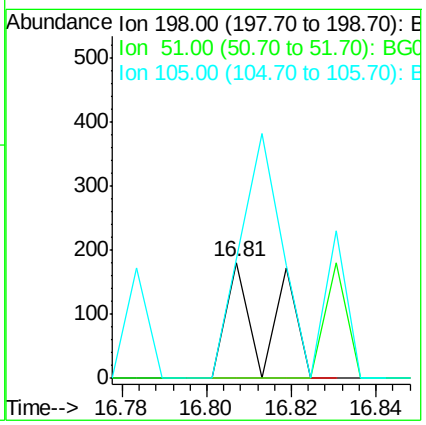


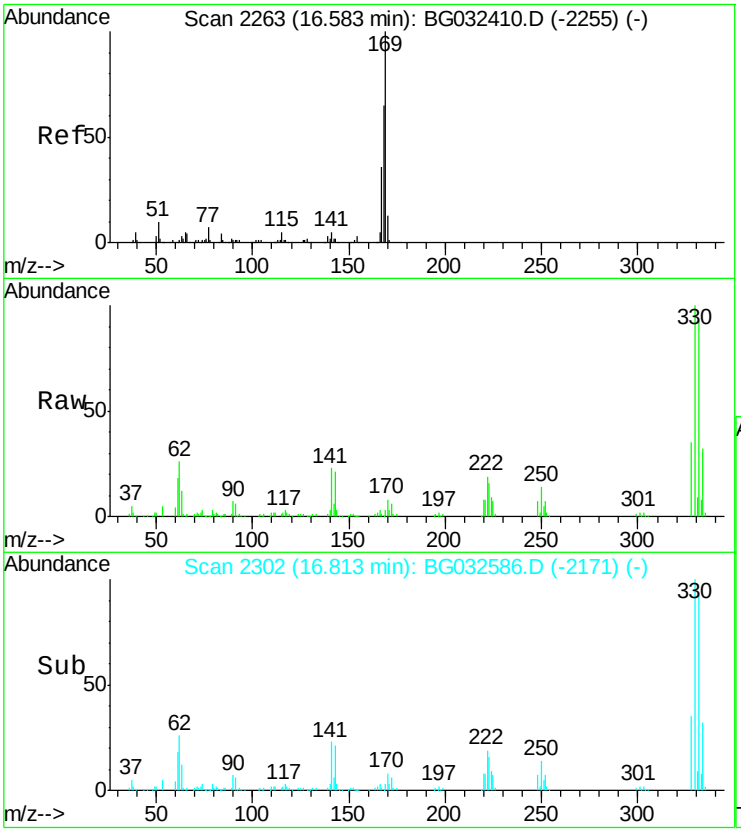


#64
4,6-Dinitro-2-methylphenol
Concen: 0.146 ng
RT: 16.81 min Scan# 2301
Delta R.T. 0.36 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion:198 Resp: 124

Ion	Ratio	Lower	Upper
198	100		
51	0.0	30.6	70.6#
105	103.3	23.8	63.8#



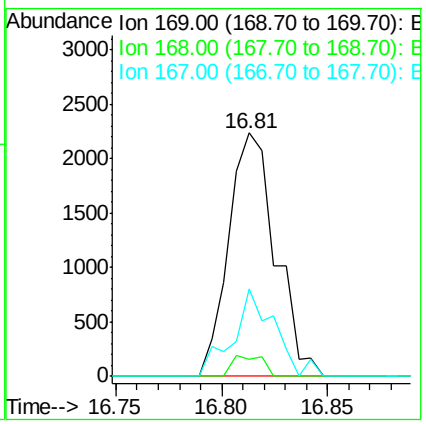


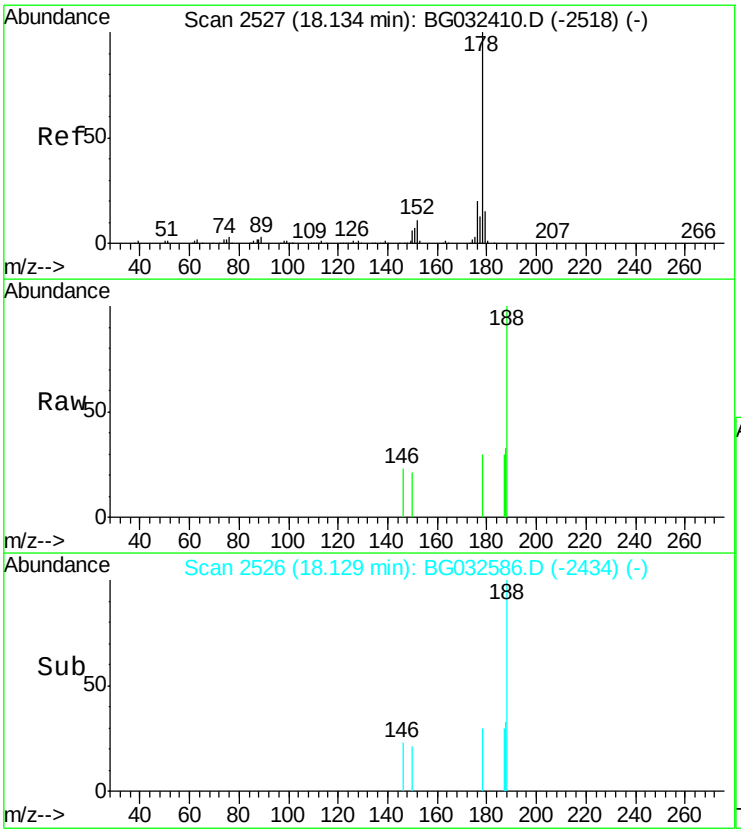
#65
n-Nitrosodiphenylamine
Concen: 1.015 ng
RT: 16.81 min Scan# 2302
Delta R.T. 0.24 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion:169 Resp: 3445

Ion	Ratio	Lower	Upper
169	100		
168	7.1	55.7	83.5#
167	35.9	30.1	45.1

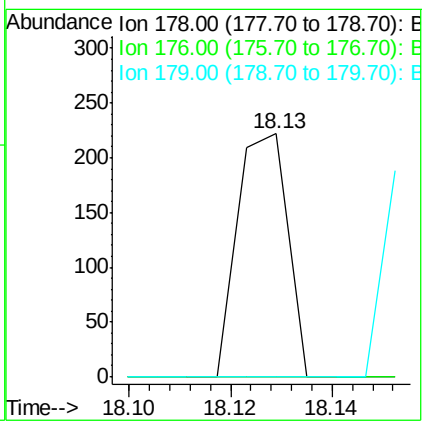


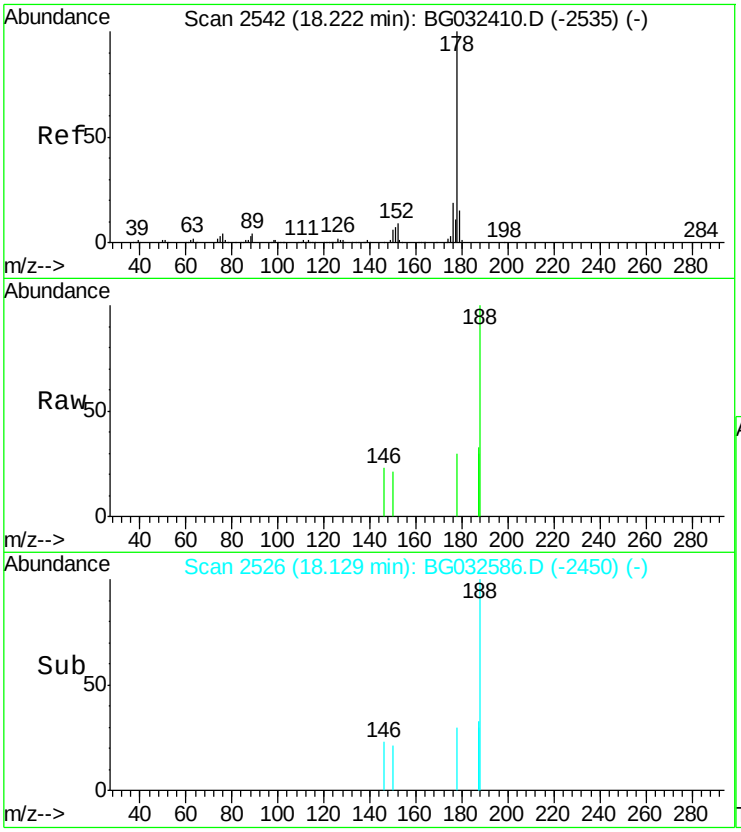


#70
Phenanthrene
Concen: 0.024 ng
RT: 18.13 min Scan# 2526
Delta R.T. 0.01 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion:178 Resp: 152

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.7	23.5#
179	0.0	12.5	18.7#



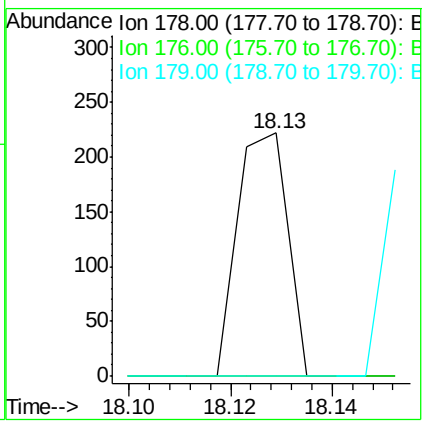


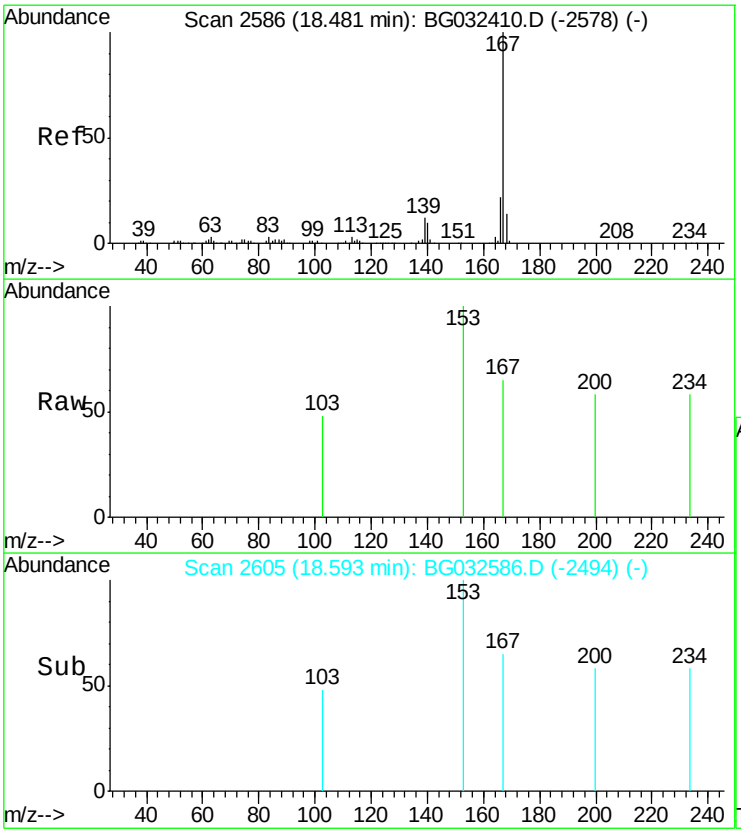
#71
Anthracene
Concen: 0.024 ng
RT: 18.13 min Scan# 2526
Delta R.T. -0.08 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion:178 Resp: 152

Ion	Ratio	Lower	Upper
178	100		
176	0.0	16.0	24.0#
179	0.0	12.5	18.7#

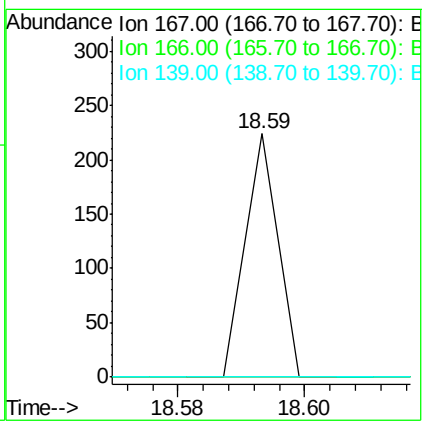


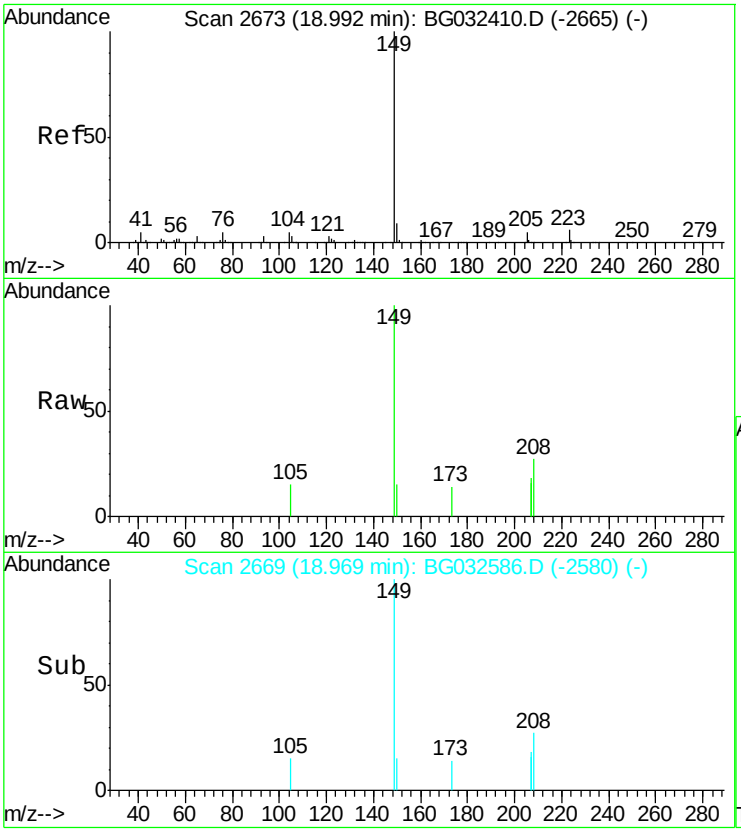


#72
Carbazole
Concen: 0.014 ng
RT: 18.59 min Scan# 2605
Delta R.T. 0.12 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion:167 Resp: 79

Ion	Ratio	Lower	Upper
167	100		
166	0.0	18.2	27.4#
139	0.0	9.4	14.2#



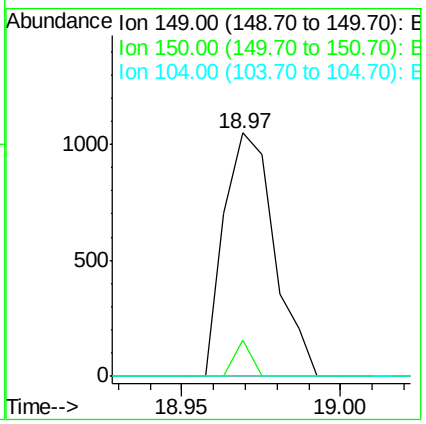


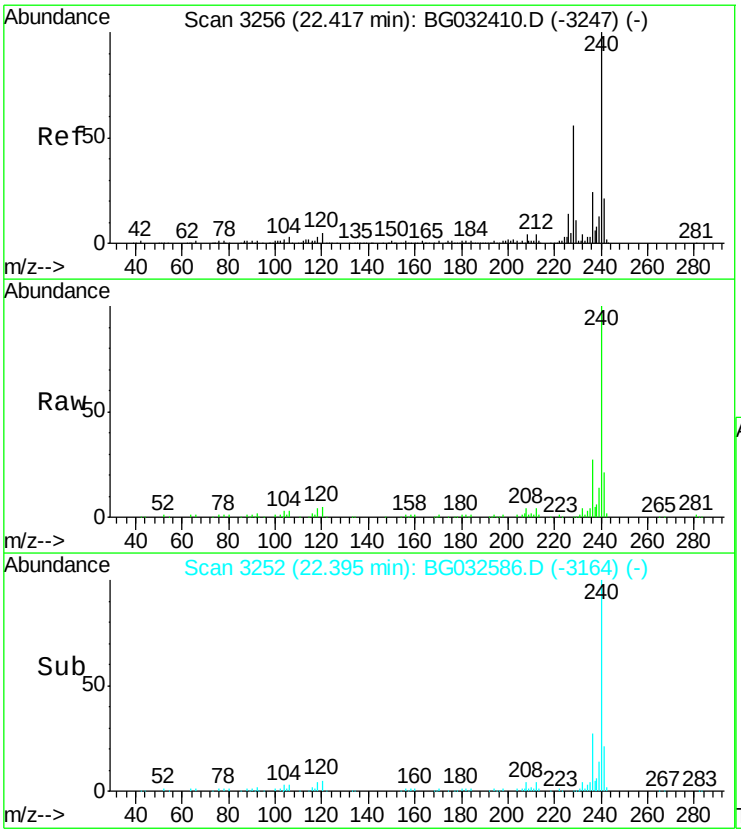
#73
Di-n-butylphthalate
Concen: 0.187 ng
RT: 18.97 min Scan# 2669
Delta R.T. -0.01 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion:149 Resp: 1155

Ion	Ratio	Lower	Upper
149	100		
150	15.0	7.8	11.6#
104	0.0	3.9	5.9#

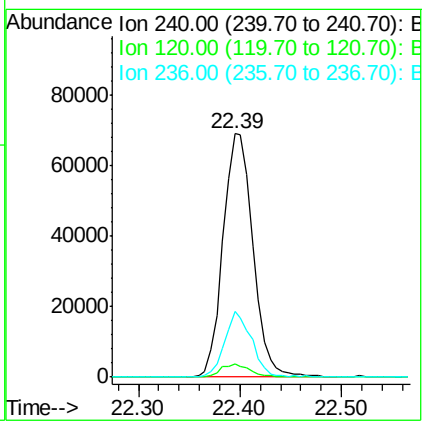


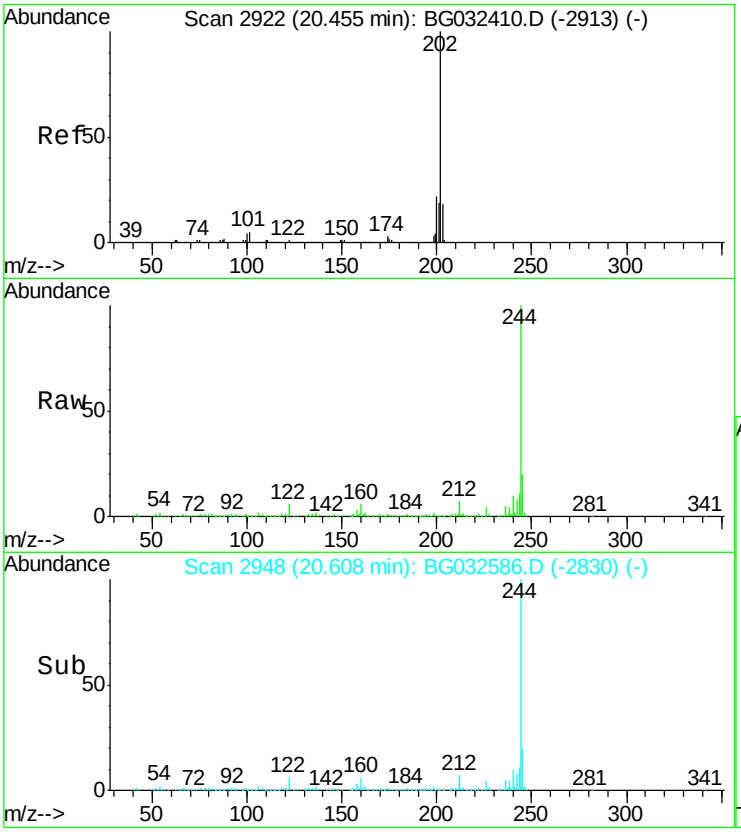


#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.39 min Scan# 3252
Delta R.T. -0.01 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion:240 Resp: 140596

Ion	Ratio	Lower	Upper
240	100		
120	5.5	6.8	10.2#
236	27.1	20.9	31.3



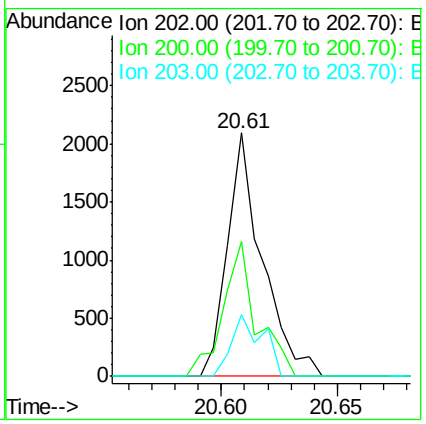


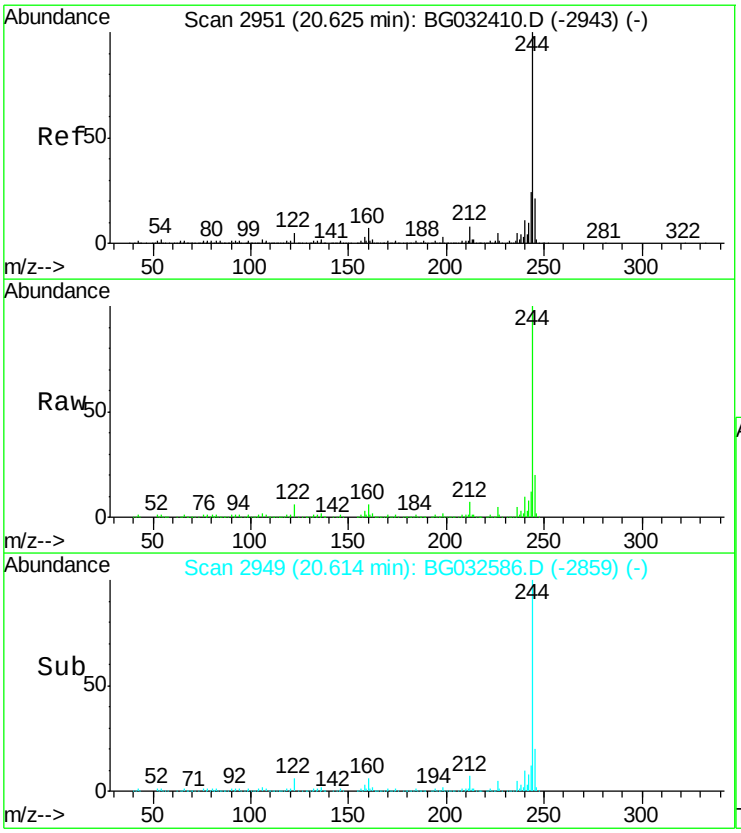
#77
Pyrene
Concen: 0.256 ng
RT: 20.61 min Scan# 2948
Delta R.T. 0.16 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion:202 Resp: 2204

Ion	Ratio	Lower	Upper
202	100		
200	55.6	16.9	25.3#
203	25.3	13.9	20.9#

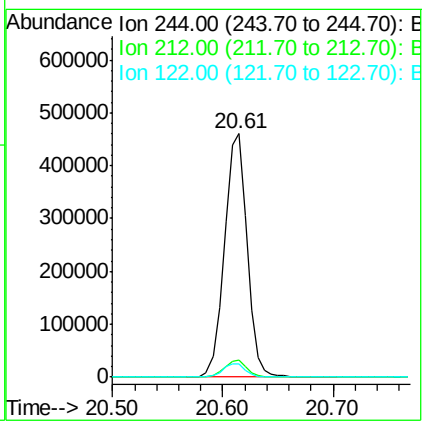


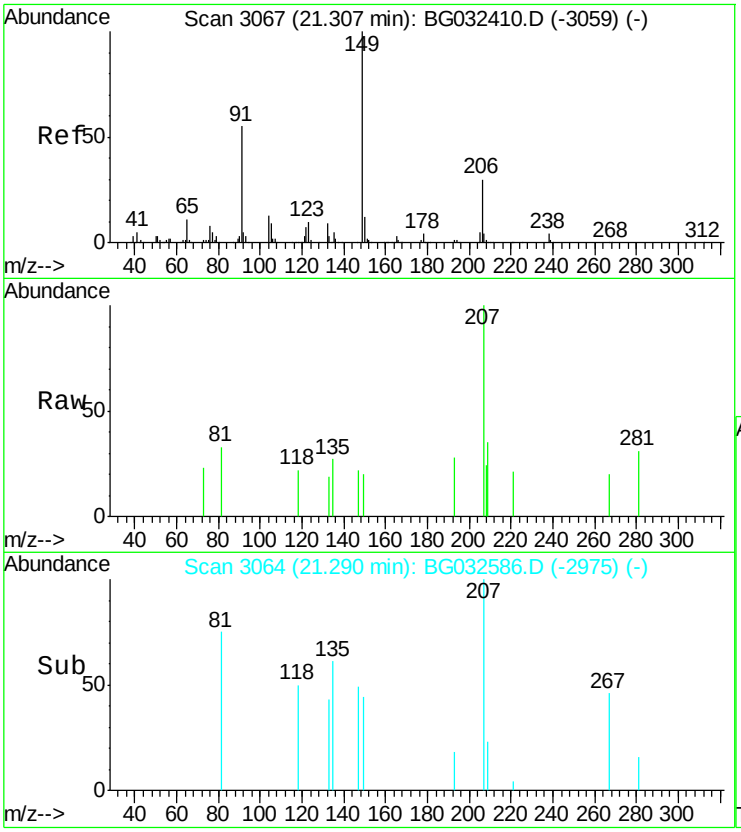


#78
Terphenyl-d14
Concen: 100.725 ng
RT: 20.61 min Scan# 2949
Delta R.T. 0.00 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion:244 Resp: 661109

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	5.7	7.0	10.4#



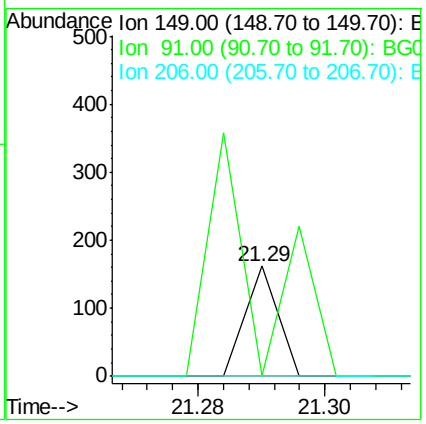


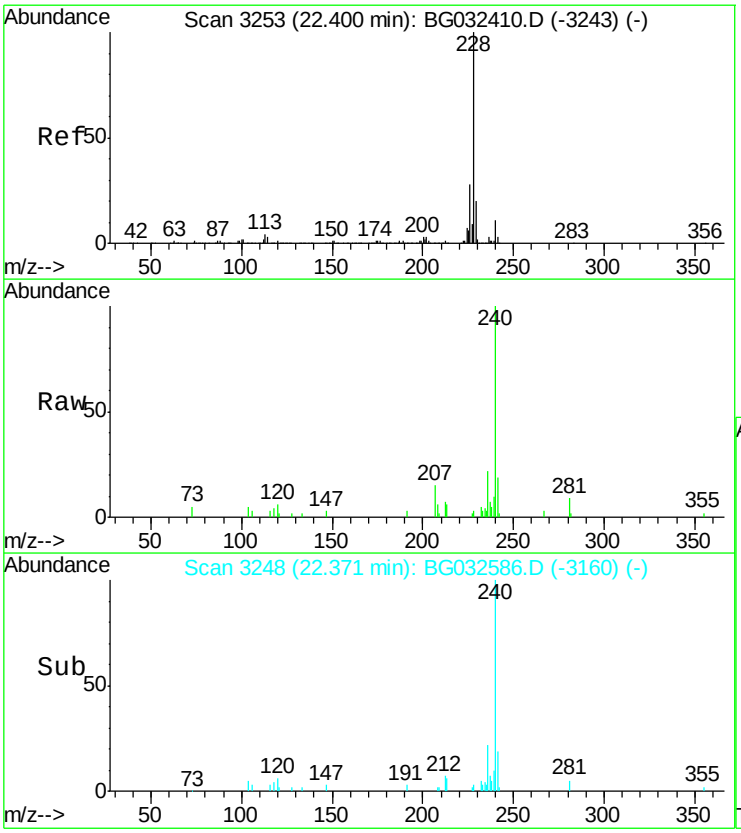
#79
Butylbenzylphthalate
Concen: 0.021 ng
RT: 21.29 min Scan# 3064
Delta R.T. -0.01 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion:149 Resp: 57

Ion	Ratio	Lower	Upper
149	100		
91	0.0	62.2	93.2#
206	0.0	18.6	27.8#

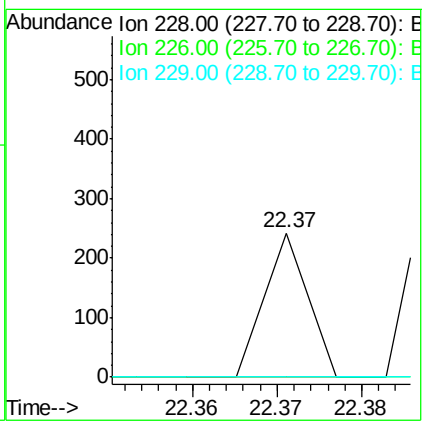


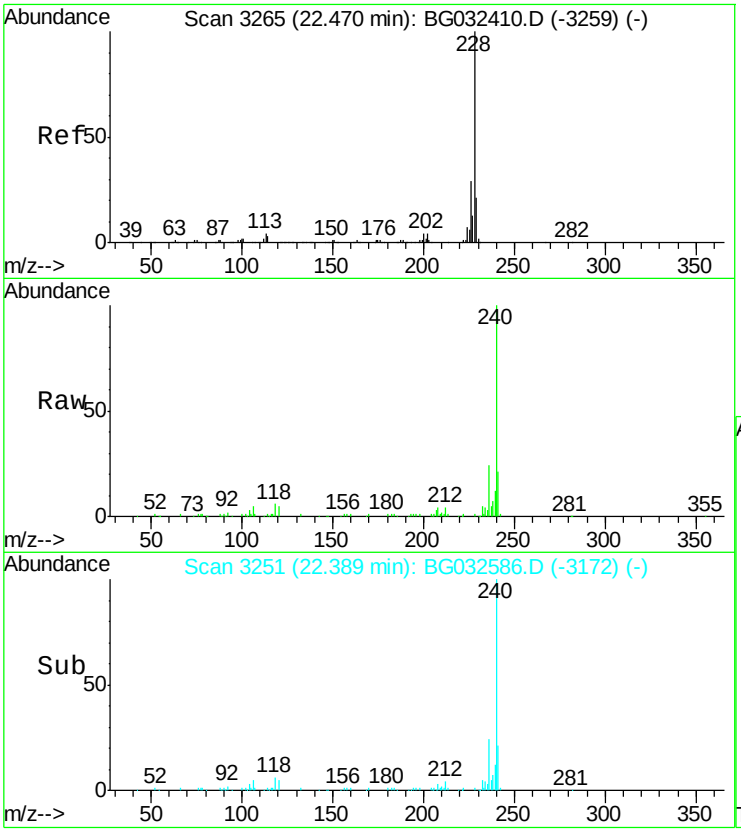


#80
Benzo(a)anthracene
Concen: 0.010 ng
RT: 22.37 min Scan# 3248
Delta R.T. -0.01 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion:228 Resp: 85

Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.7	34.1#
229	0.0	16.2	24.2#



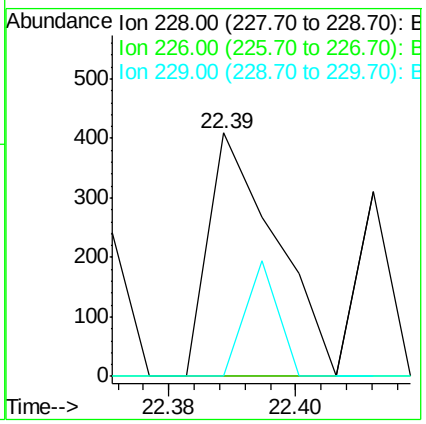


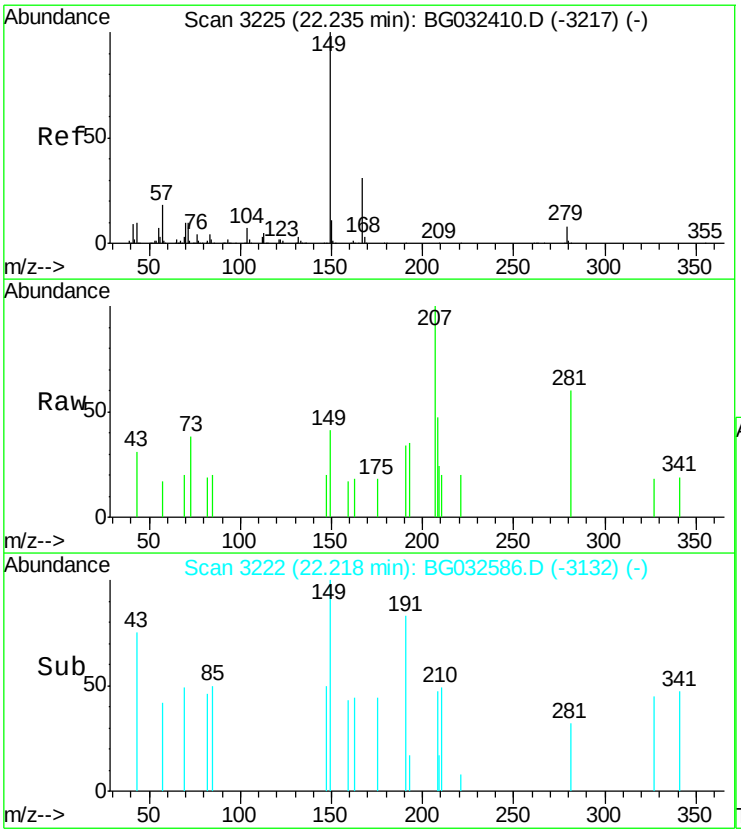
#82
Chrysene
Concen: 0.036 ng
RT: 22.39 min Scan# 3251
Delta R.T. -0.06 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion:228 Resp: 300

Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.9	37.3#
229	0.0	15.0	22.4#

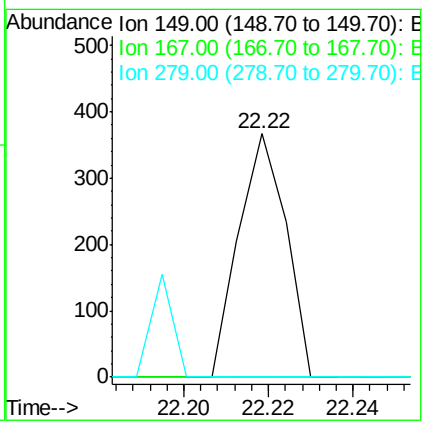


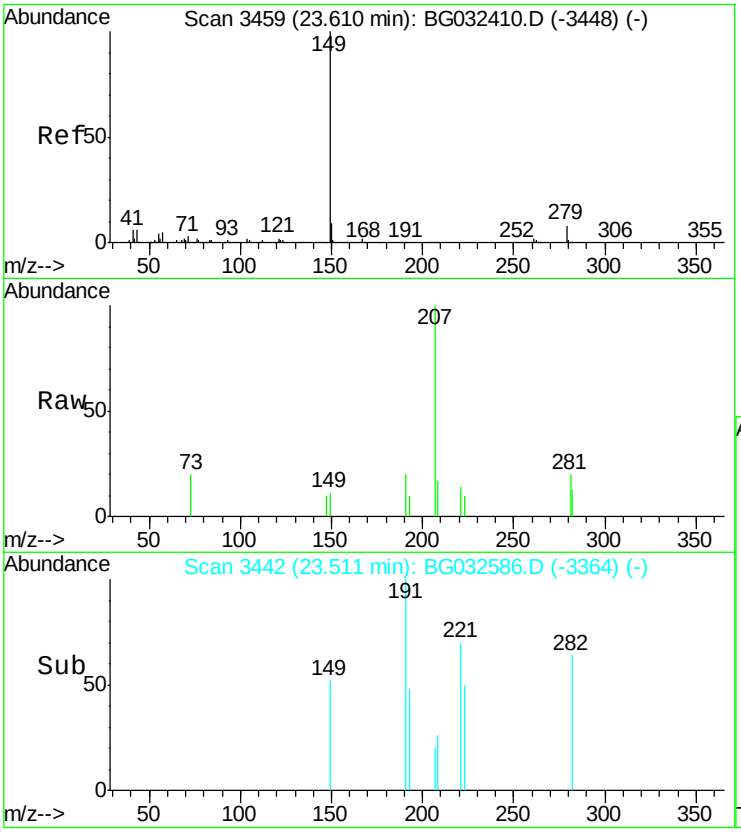


#83
Bis(2-ethylhexyl)phthalate
Concen: 0.074 ng
RT: 22.22 min Scan# 3222
Delta R.T. 0.00 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion:149 Resp: 284

Ion	Ratio	Lower	Upper
149	100		
167	0.0	24.3	36.5#
279	0.0	4.0	6.0#



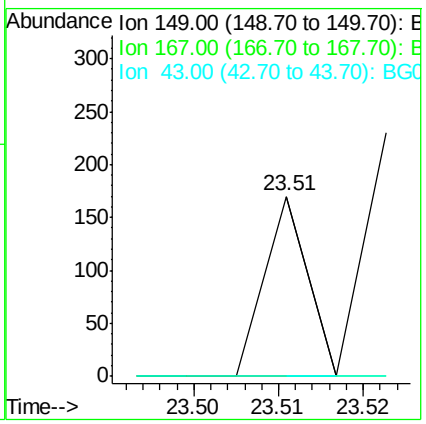


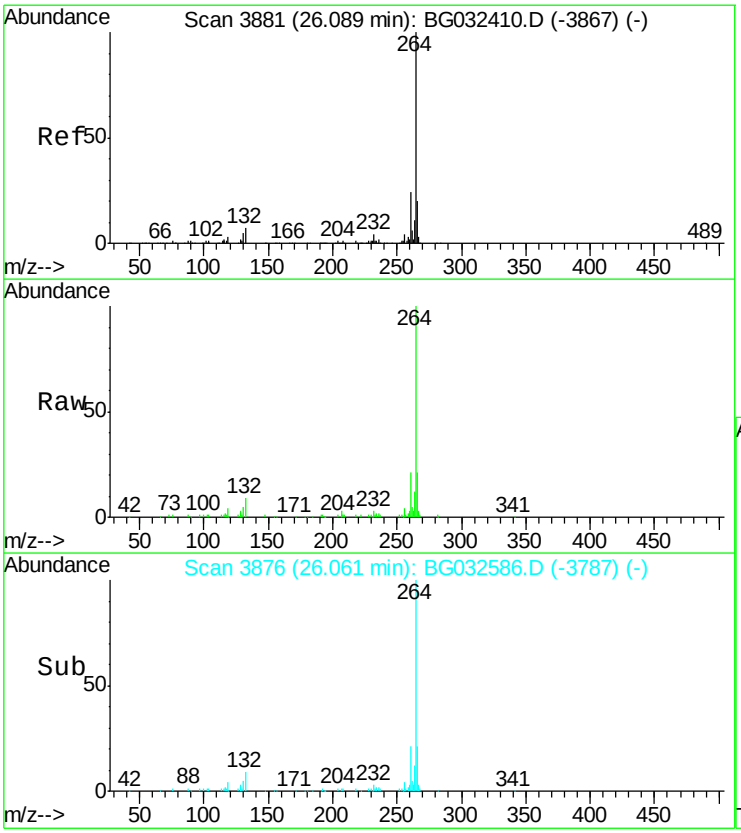
#84
Di-n-octyl phthalate
Concen: 0.010 ng
RT: 23.51 min Scan# 3442
Delta R.T. -0.07 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion:149 Resp: 60

Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.4	2.0#
43	0.0	8.9	13.3#

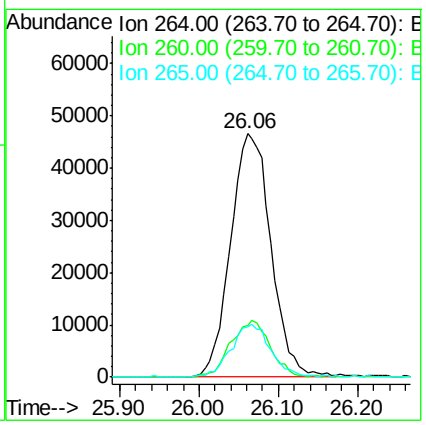


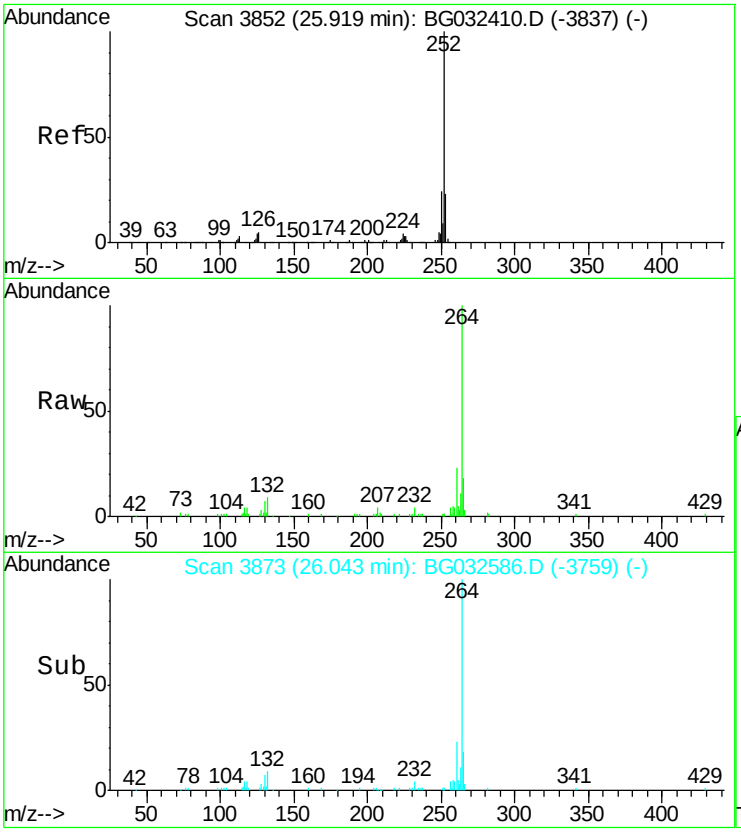


#86
Perylene-d12
Concen: 20.000 ng
RT: 26.06 min Scan# 3876
Delta R.T. -0.01 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Tgt Ion:264 Resp: 164265

Ion	Ratio	Lower	Upper
264	100		
260	21.2	17.4	26.0
265	20.9	17.7	26.5





#89
Benzo(a)pyrene
Concen: 0.037 ng
RT: 26.04 min Scan# 3873
Delta R.T. 0.14 min
Lab File: BG032586.D
Acq: 7 Feb 2018 6:11

Instrument :
BNA_G
ClientSampleId :
LW-02-OW

Tgt Ion:252 Resp: 349

Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.3	27.5#
125	0.0	7.3	10.9#