Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020618\
Data File : BG032585.D
Acq On : 7 Feb 2018 5:34
Operator : SJ/JU
Sample : J1455-05
Misc : MDL-W-8 ppm
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LW-02-B

Quant Time: Feb 07 07:21:46 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	8.71	152	18277	20.00	ng	0.00
21) Naphthalene-d8	11.58	136	64151	20.00	ng	0.00
38) Acenaphthene-d10	15.34	164	59015	20.00	ng	0.00
63) Phenanthrene-d10	18.08	188	158356	20.00	ng	0.00
75) Chrysene-d12	22.40	240	198664	20.00	ng	0.00
86) Perylene-d12	26.07	264	217973	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	58342	64.12	ng	0.00
7) Phenol-d6	7.82	99	34474	28.39	ng	0.00
23) Nitrobenzene-d5	9.90	82	96487	93.94	ng	0.00
41) 2,4,6-Tribromophenol	16.82	330	185456	165.09	ng	0.00
44) 2-Fluorobiphenyl	13.97	172	366658	73.85	ng	0.00
78) Terphenyl-d14	20.61	244	926752	99.93	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.59	88	54	0.176	ng	# 11
4) n-Nitrosodimethylamine	3.95	42	53	0.123	ng	# 1
6) Aniline	8.22	93	59	0.039	ng	# 1
10) Phenol	7.89	94	64	0.056	ng	# 37
11) bis(2-Chloroethyl)ether	8.22	93	59	0.067	ng	# 1
24) Nitrobenzene	9.91	77	324	0.326	ng	# 42
25) Isophorone	10.22	82	270	0.154	ng	# 69
26) 2-Nitrophenol	10.39	139	57	0.095	ng	# 29
37) 2-Methylnaphthalene	13.03	142	87	0.033	ng	# 17
45) 1,1'-Biphenyl	14.19	154	474	0.095	ng	80
47) 2-Nitroaniline	13.97	65	299	0.346	ng	# 1
49) Dimethylphthalate	14.76	163	125	0.023	ng	# 77
51) Acenaphthene	15.34	154	134	0.033	ng	# 5
52) 3-Nitroaniline	14.96	138	65	0.065	ng	# 1
57) Fluorene	16.82	166	4645	0.922	ng	# 71
59) Diethylphthalate	16.11	149	2274	0.429	ng	96
62) Azobenzene	16.82	77	586	0.185	ng	# 9
64) 4,6-Dinitro-2-methylphenol	16.82	198	517	0.437	ng	# 29
65) n-Nitrosodiphenylamine	16.81	169	5188	1.098	ng	# 48
67) Hexachlorobenzene	17.35	284	59	0.023	ng	# 41
73) Di-n-butylphthalate	18.97	149	643	0.075	ng	# 78
77) Pyrene	20.61	202	3235	0.265	ng	# 65
79) Butylbenzylphthalate	21.23	149	81	0.021	ng	# 20
80) Benzo(a)anthracene	22.40	228	523	0.042	ng	# 24
82) Chrysene	22.40	228	523	0.044	ng	# 22
83) Bis(2-ethylhexyl)phthalate	22.22	149	298	0.055	ng	# 50
84) Di-n-octyl phthalate	23.63	149	57	0.007	ng	# 74
89) Benzo(a)pyrene	26.07	252	488	0.039	ng	# 59

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

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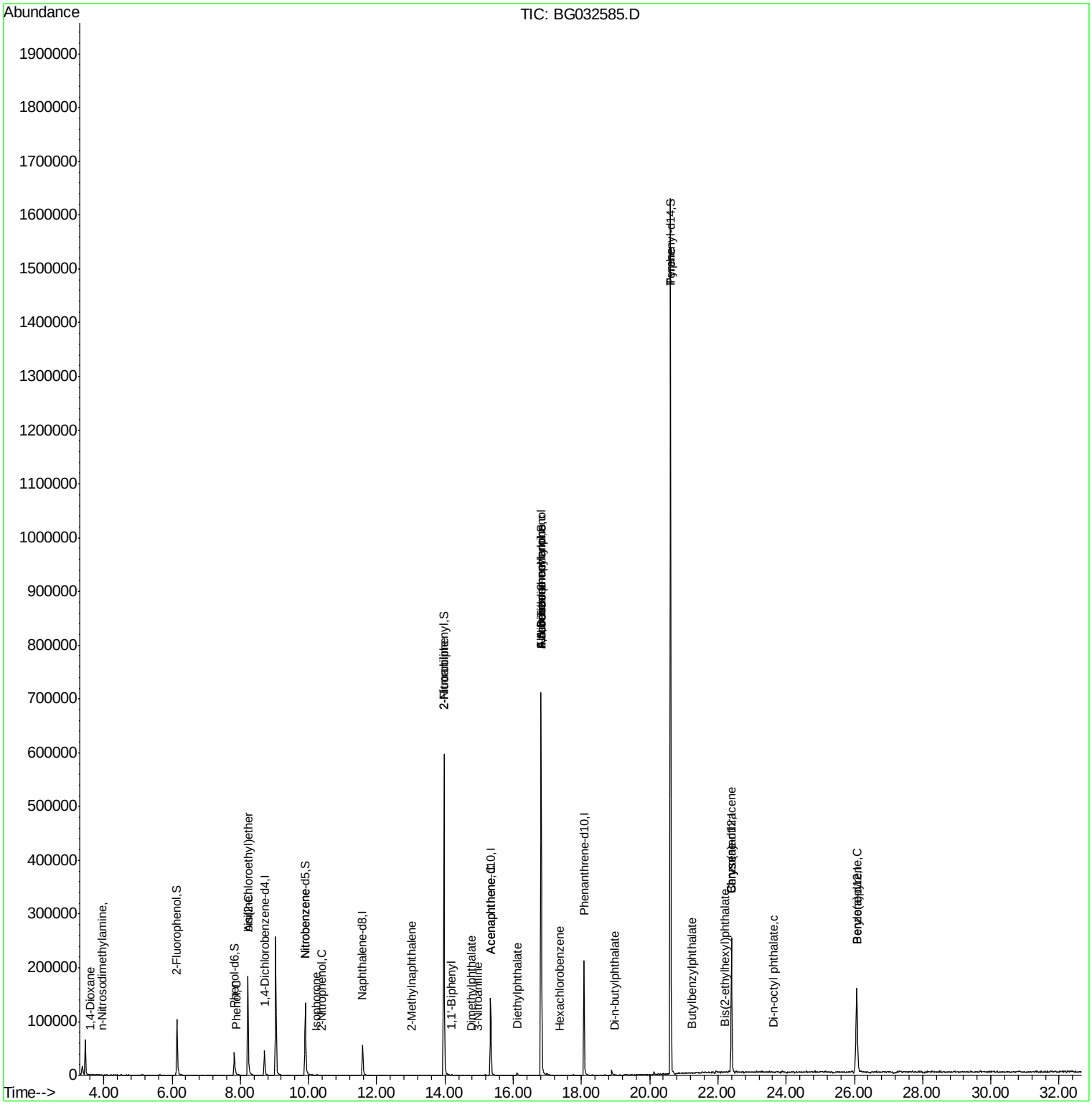
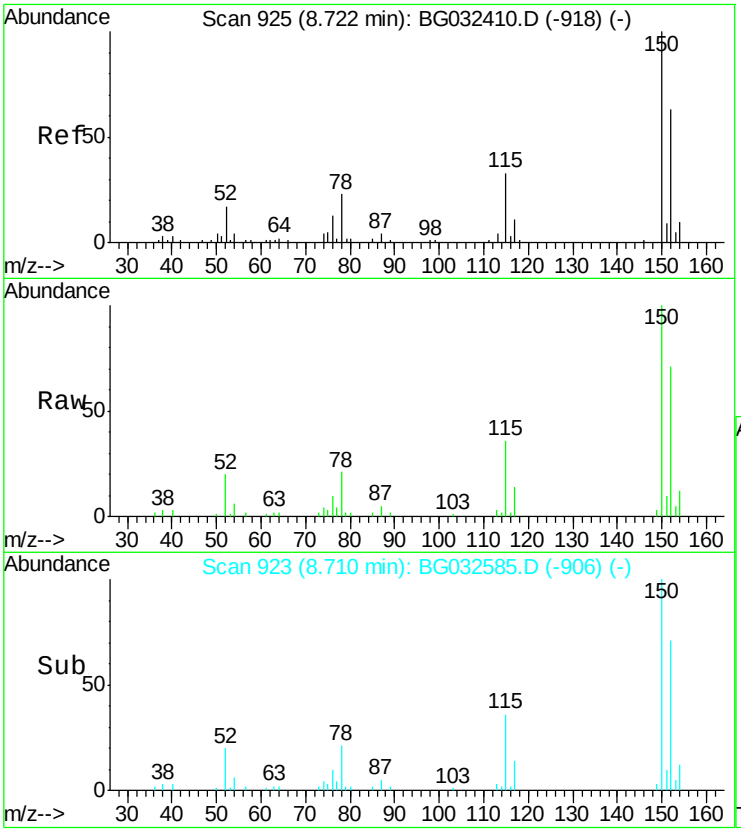


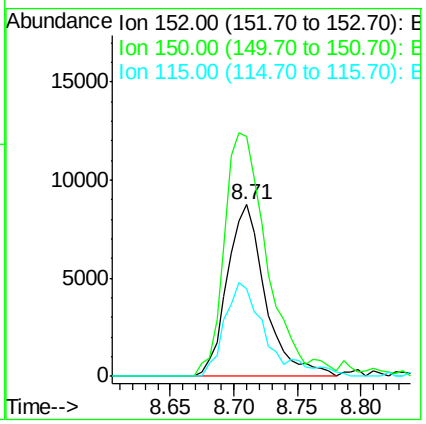


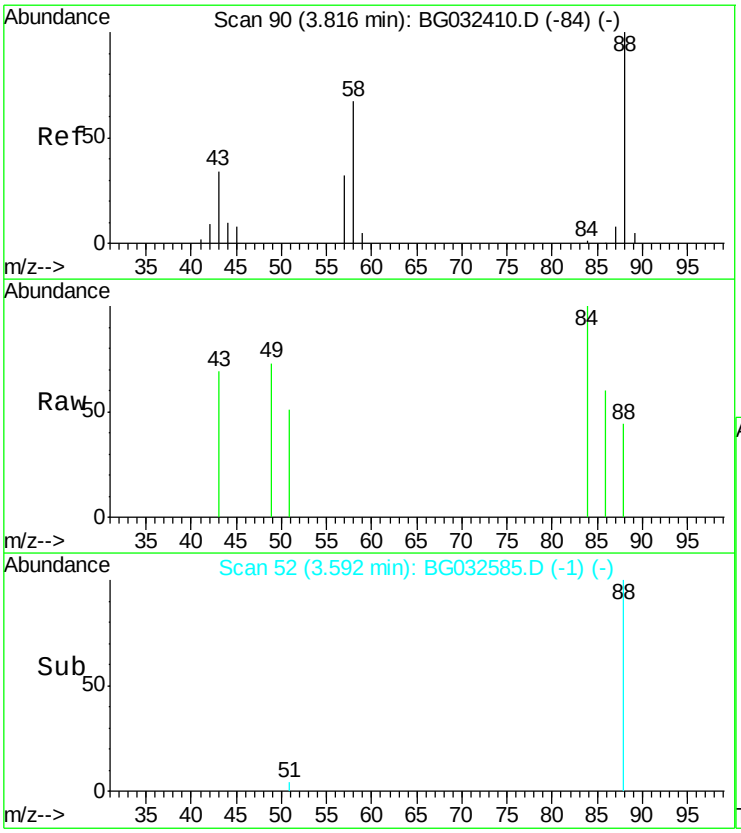
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. -0.00 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion:152 Resp: 18277

Ion	Ratio	Lower	Upper
152	100		
150	140.1	126.6	189.8
115	50.7	53.0	79.4#

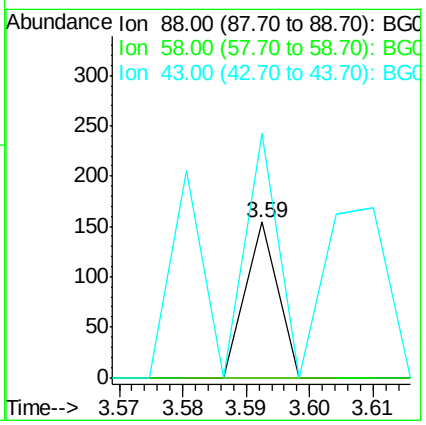


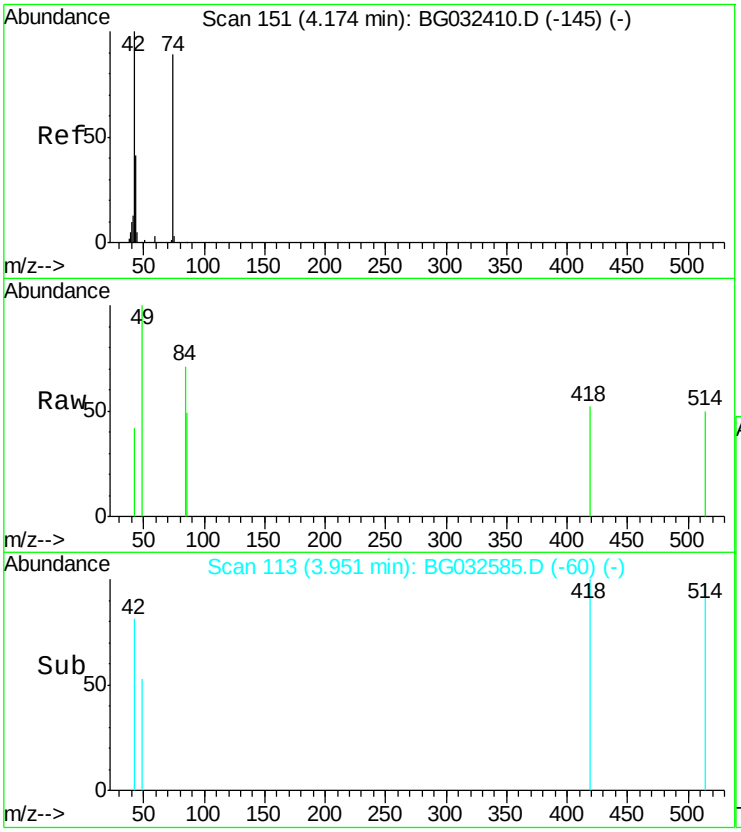


#2
1,4-Dioxane
Concen: 0.176 ng
RT: 3.59 min Scan# 52
Delta R.T. -0.22 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

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#



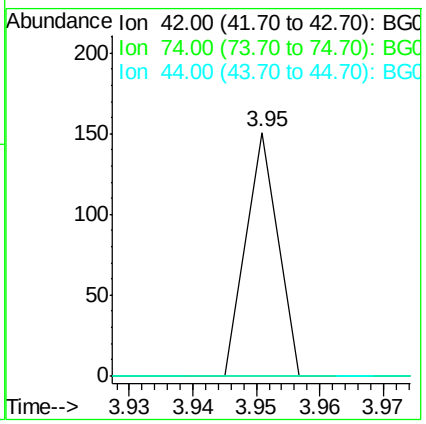


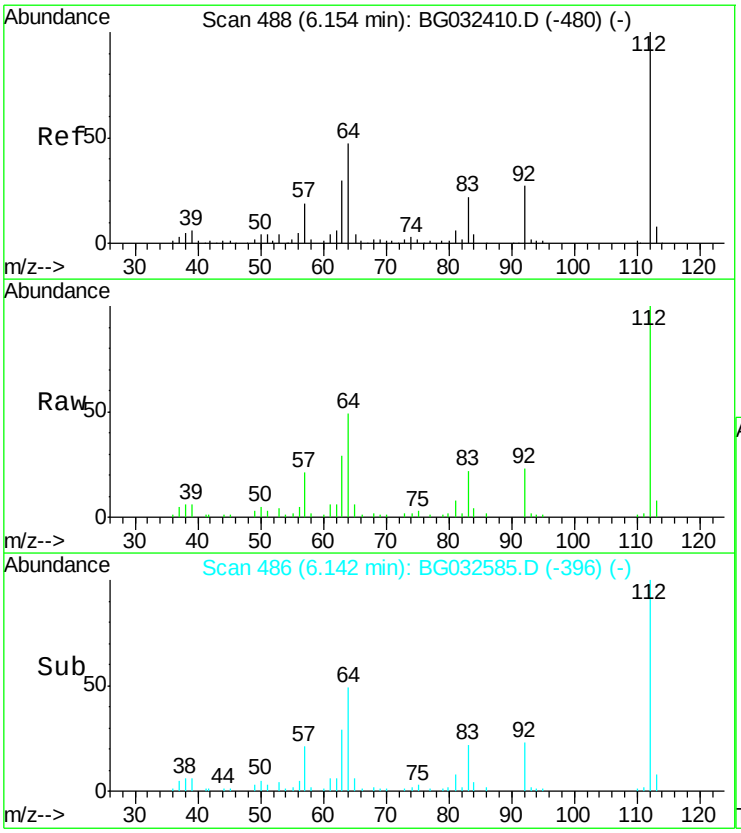
#4
n-Nitrosodimethylamine
Concen: 0.123 ng
RT: 3.95 min Scan# 113
Delta R.T. -0.22 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion: 42 Resp: 53

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

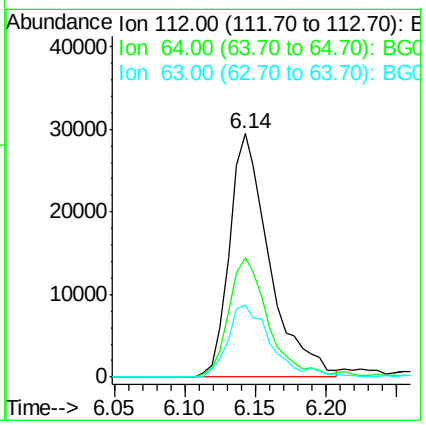


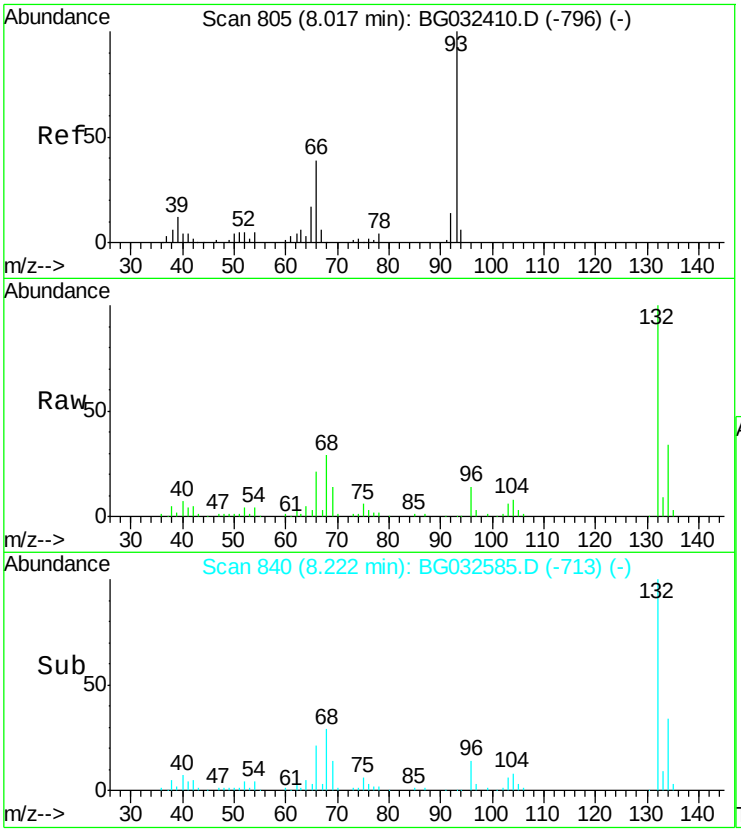


#5
2-Fluorophenol
Concen: 64.115 ng
RT: 6.14 min Scan# 486
Delta R.T. -0.00 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion:112 Resp: 58342

Ion	Ratio	Lower	Upper
112	100		
64	48.9	56.3	84.5#
63	29.5	30.1	45.1#



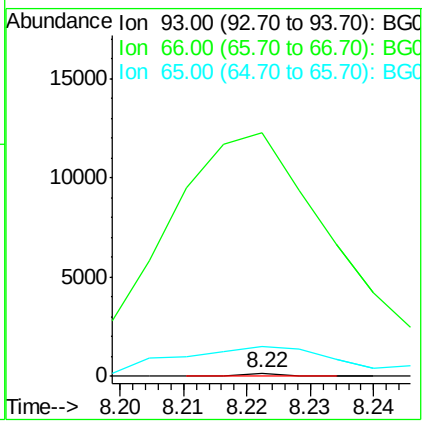


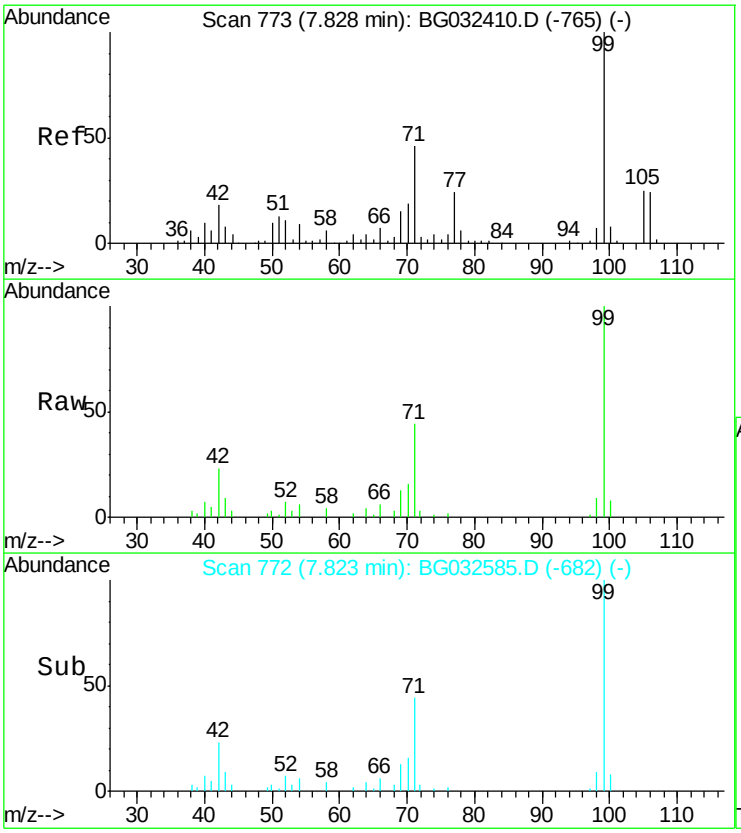
#6
Aniline
Concen: 0.039 ng
RT: 8.22 min Scan# 840
Delta R.T. 0.22 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion: 93 Resp: 59

Ion	Ratio	Lower	Upper
93	100		
66	7386.1	33.7	50.5#
65	913.3	16.1	24.1#

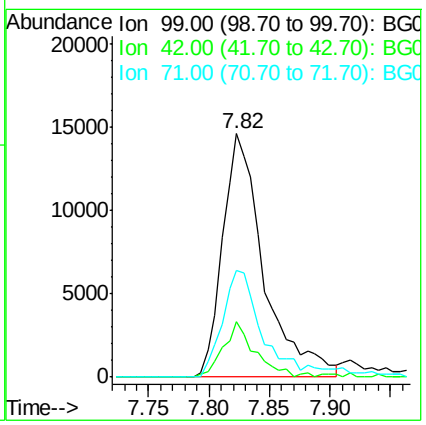


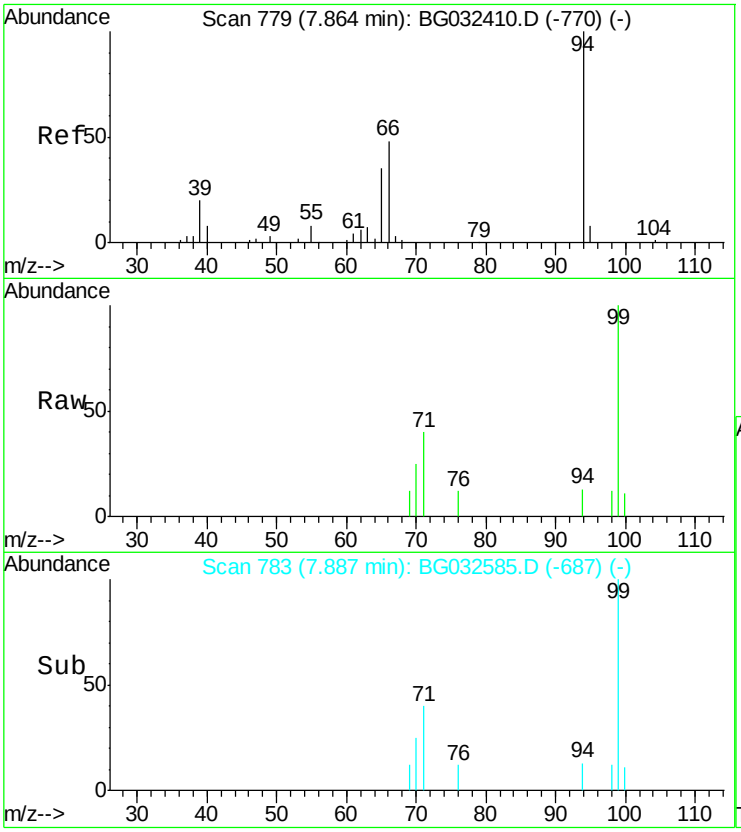


#7
Phenol-d6
Concen: 28.391 ng
RT: 7.82 min Scan# 772
Delta R.T. -0.00 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion: 99 Resp: 34474

Ion	Ratio	Lower	Upper
99	100		
42	23.0	14.1	21.1#
71	43.6	26.1	39.1#



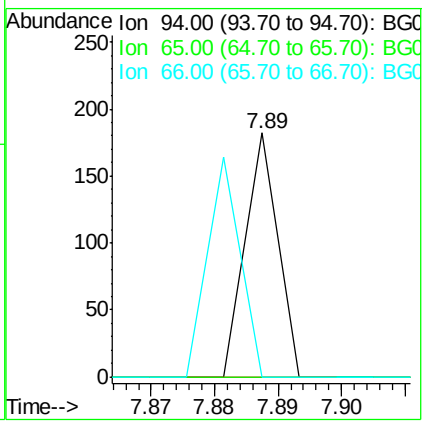


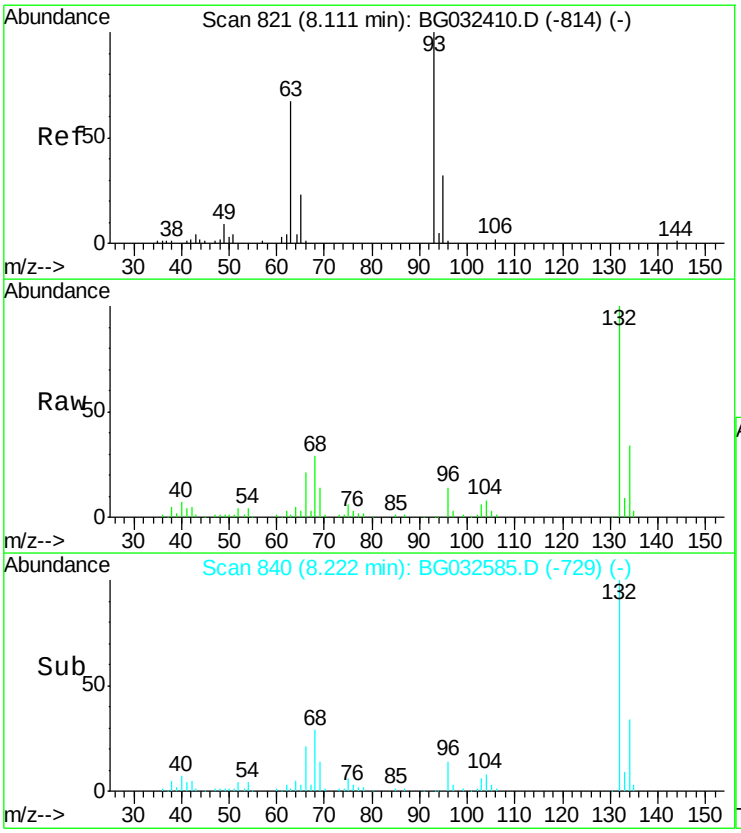
#10
Phenol
Concen: 0.056 ng
RT: 7.89 min Scan# 783
Delta R.T. 0.04 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion: 94 Resp: 64

Ion	Ratio	Lower	Upper
94	100		
65	0.0	11.9	51.9#
66	0.0	22.2	62.2#

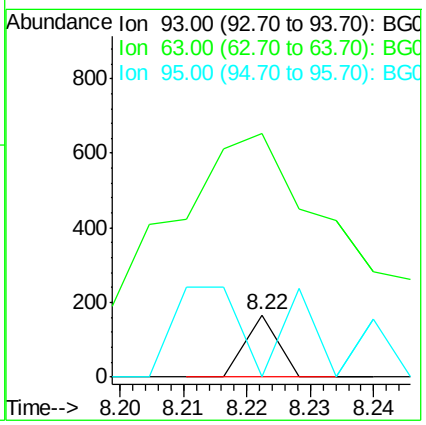


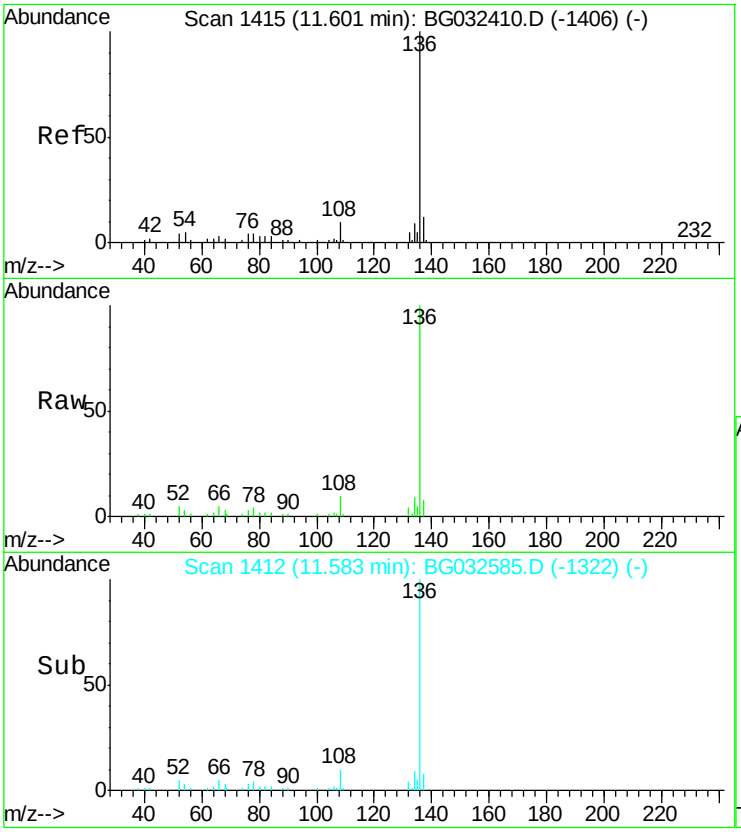


#11
bis(2-Chloroethyl)ether
Concen: 0.067 ng
RT: 8.22 min Scan# 840
Delta R.T. 0.12 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion: 93 Resp: 59

Ion	Ratio	Lower	Upper
93	100		
63	393.4	67.1	107.1#
95	0.0	11.5	51.5#



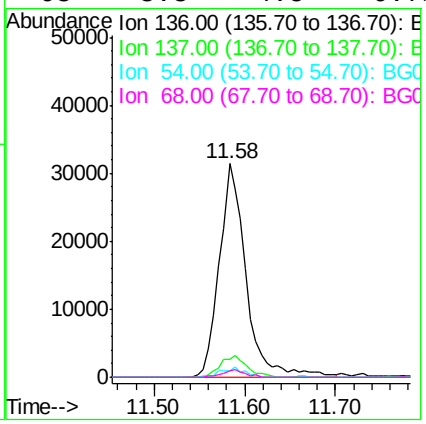


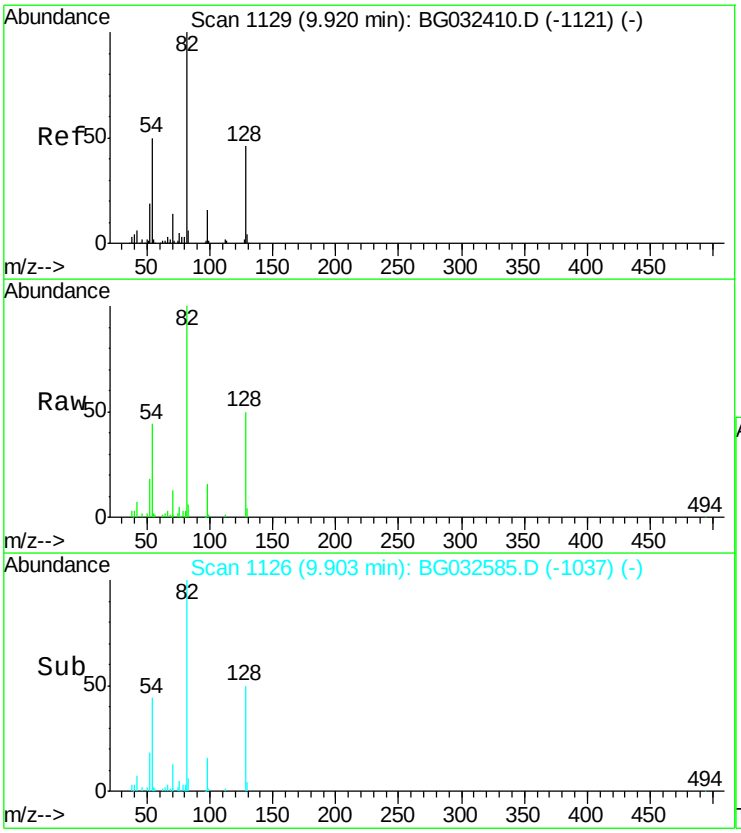
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.58 min Scan# 1412
Delta R.T. -0.00 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion:136 Resp: 64151

Ion	Ratio	Lower	Upper
136	100		
137	8.3	9.2	13.8#
54	2.9	10.3	15.5#
68	3.3	4.5	6.7#

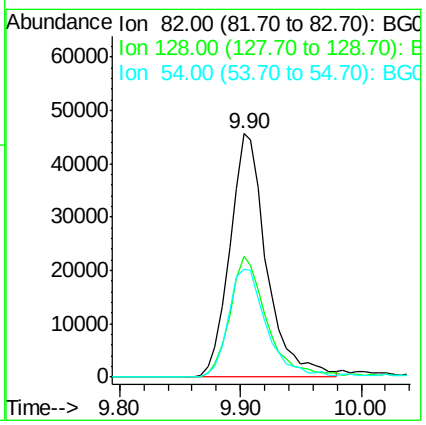


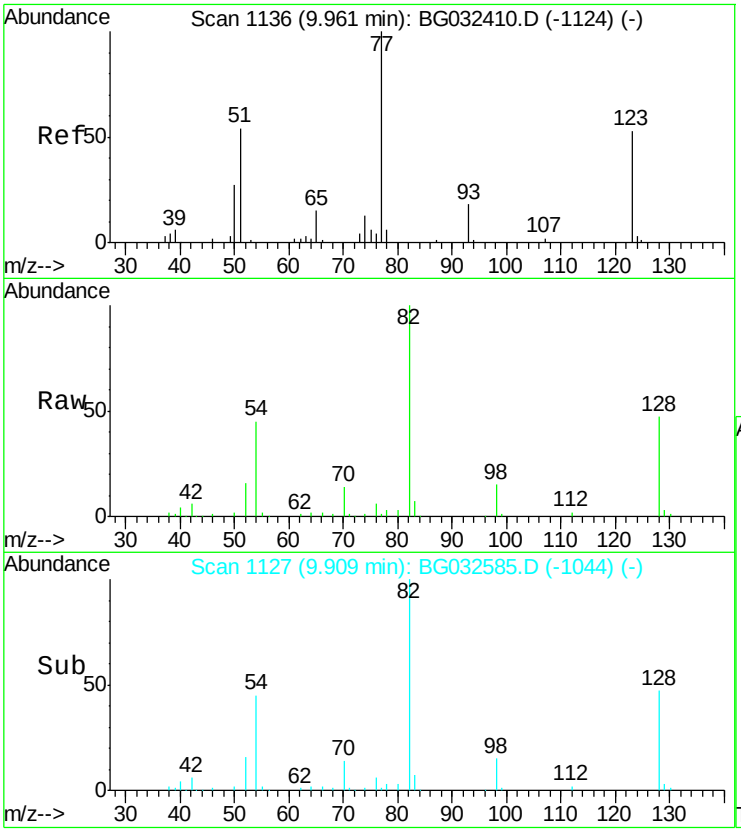


#23
Nitrobenzene-d5
Concen: 93.944 ng
RT: 9.90 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion: 82 Resp: 96487

Ion	Ratio	Lower	Upper
82	100		
128	49.6	29.7	44.5#
54	44.2	43.1	64.7



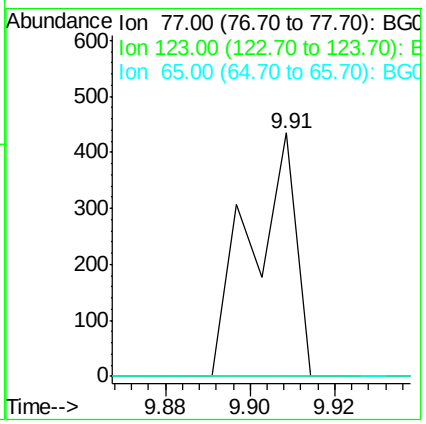


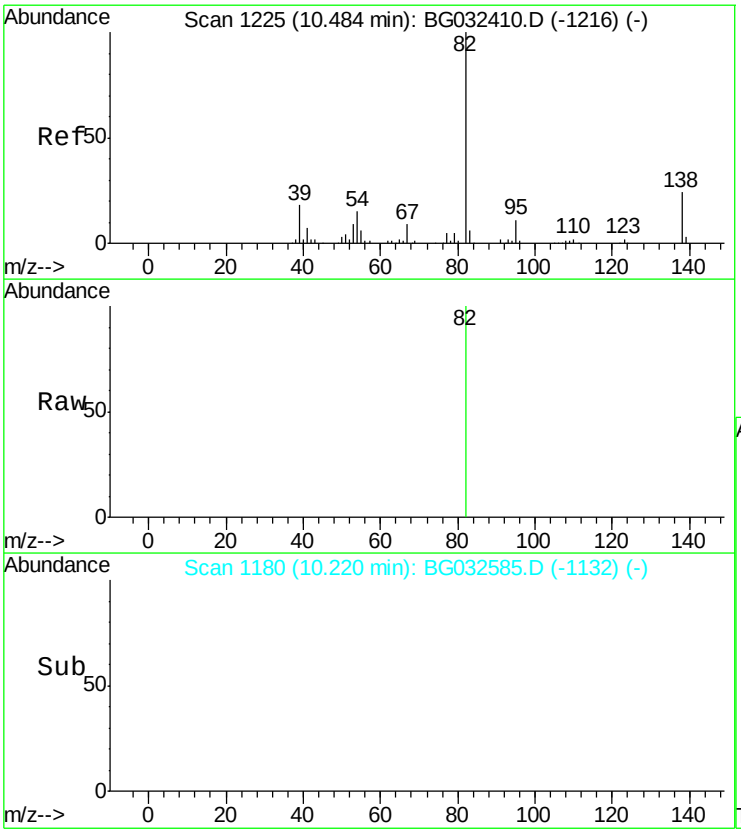
#24
Nitrobenzene
Concen: 0.326 ng
RT: 9.91 min Scan# 1127
Delta R.T. -0.04 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion: 77 Resp: 324

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

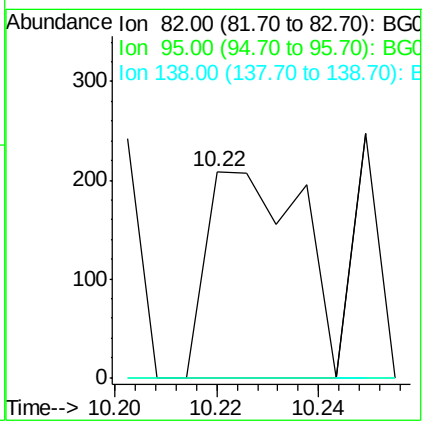


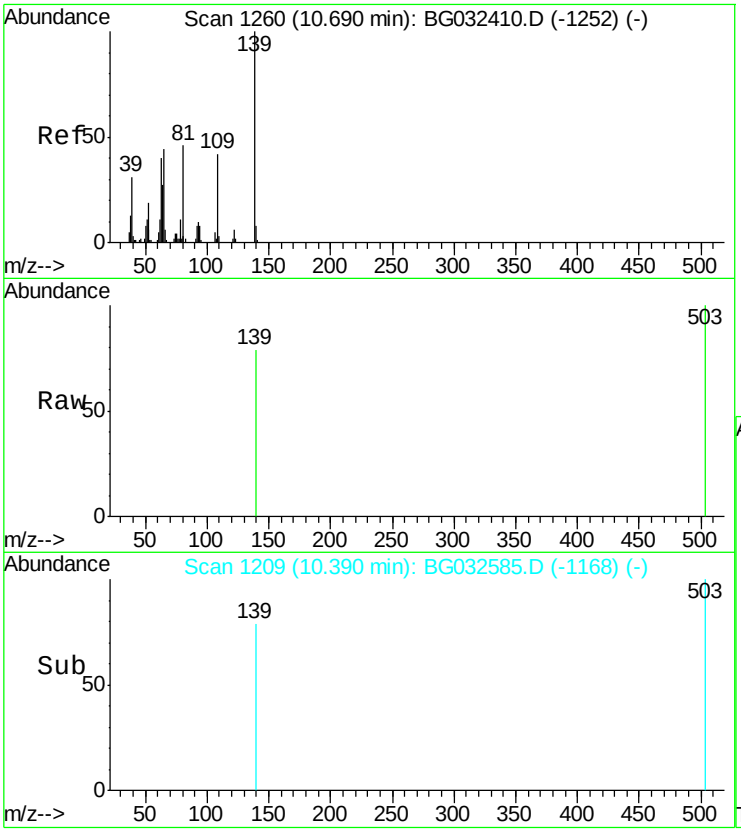


#25
Isophorone
Concen: 0.154 ng
RT: 10.22 min Scan# 1180
Delta R.T. -0.25 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion: 82 Resp: 270

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



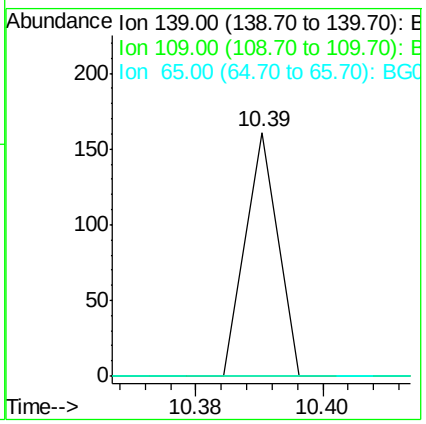


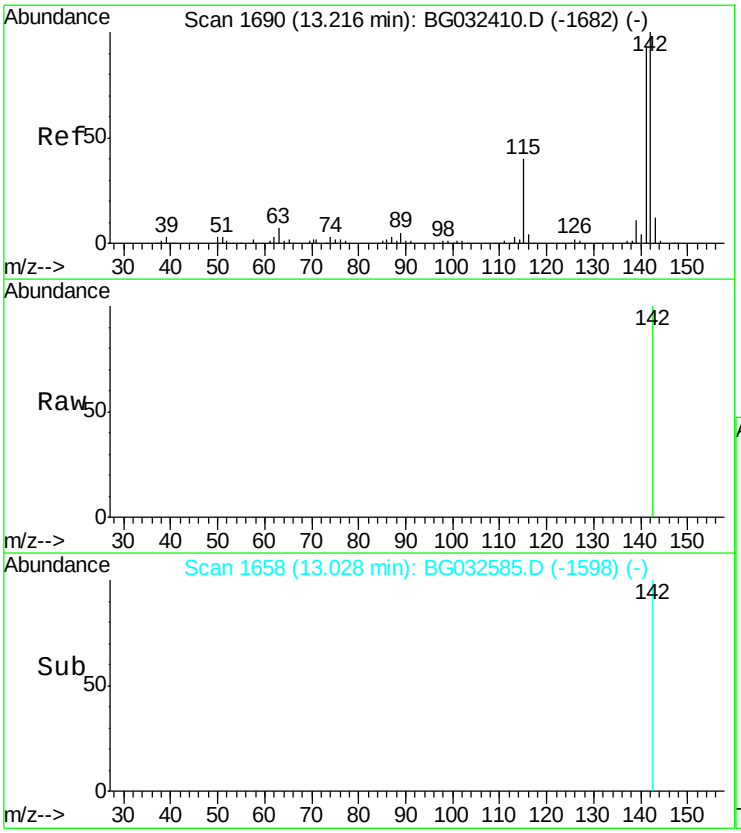
#26
2-Nitrophenol
Concen: 0.095 ng
RT: 10.39 min Scan# 1209
Delta R.T. -0.29 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion:139 Resp: 57

Ion	Ratio	Lower	Upper
139	100		
109	0.0	24.2	36.2#
65	0.0	47.4	71.0#

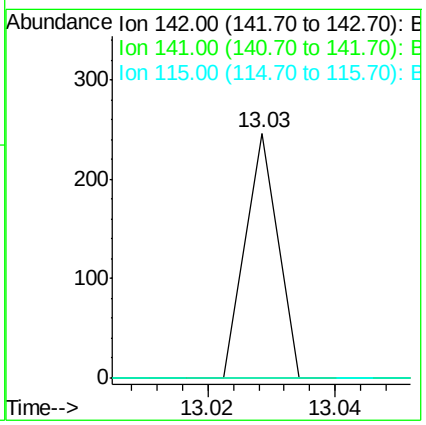


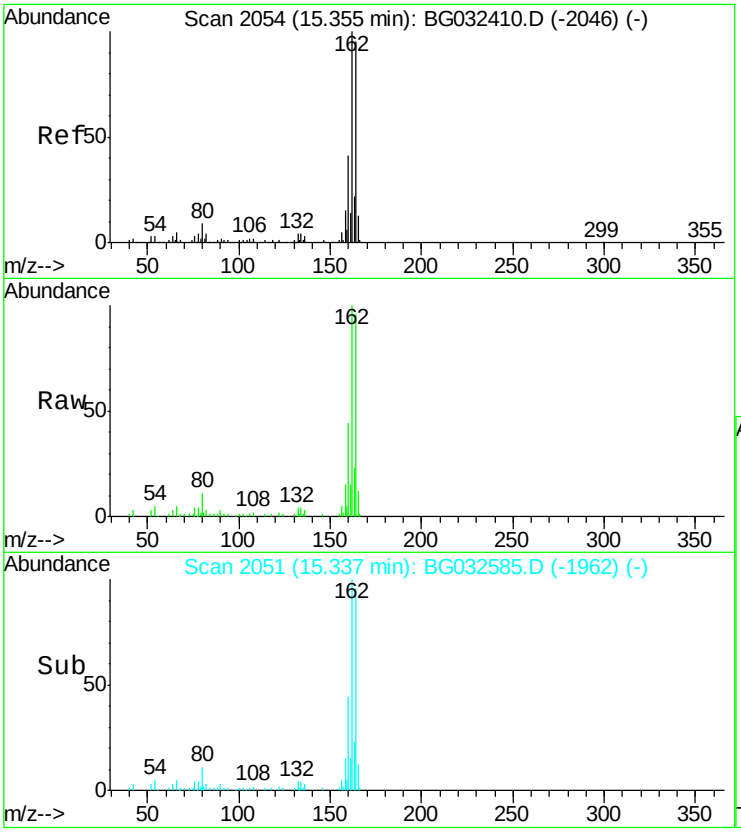


#37
2-Methylnaphthalene
Concen: 0.033 ng
RT: 13.03 min Scan# 1658
Delta R.T. -0.18 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion:142 Resp: 87

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



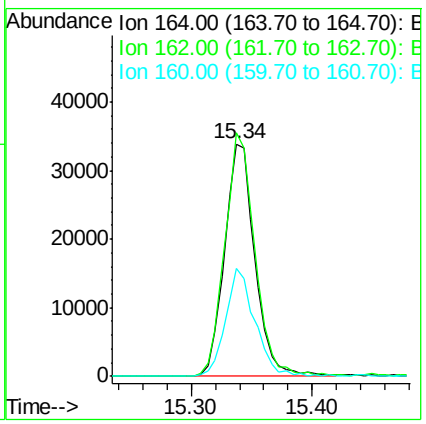


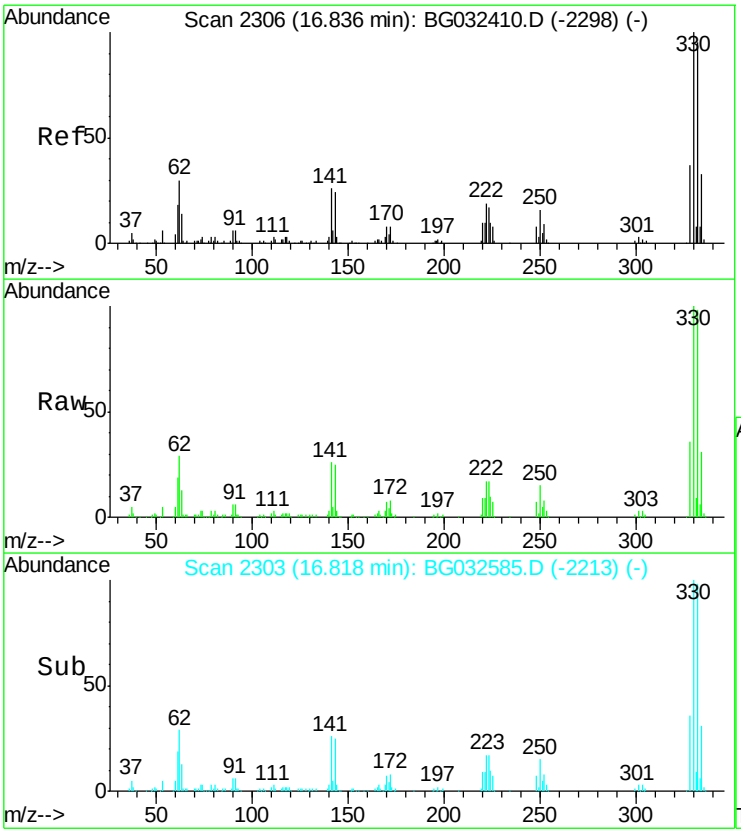
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.34 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion:164 Resp: 59015

Ion	Ratio	Lower	Upper
164	100		
162	104.7	78.8	118.2
160	46.5	35.4	53.0

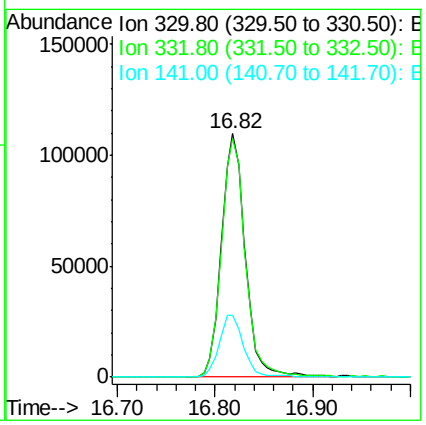


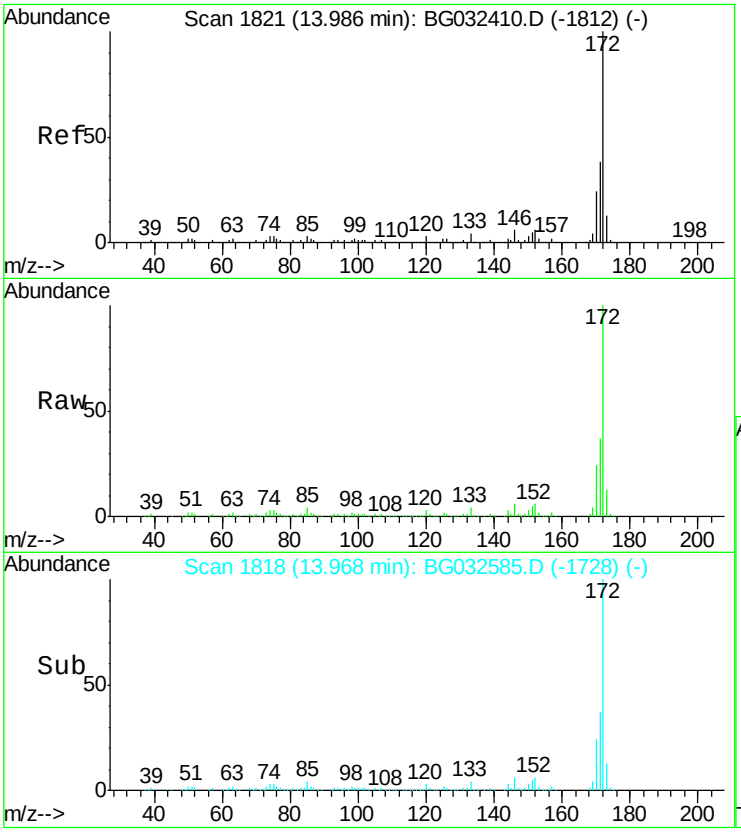


#41
2,4,6-Tribromophenol
Concen: 165.092 ng
RT: 16.82 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion:330 Resp: 185456

Ion	Ratio	Lower	Upper
330	100		
332	99.0	77.0	115.6
141	26.3	25.2	37.8



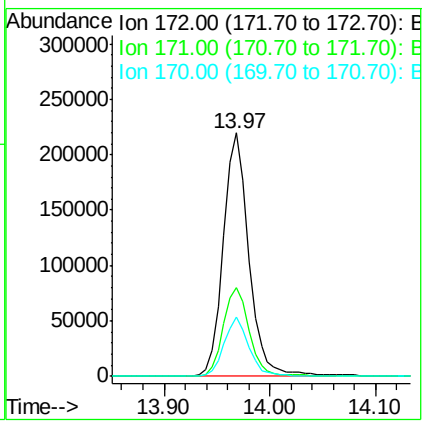


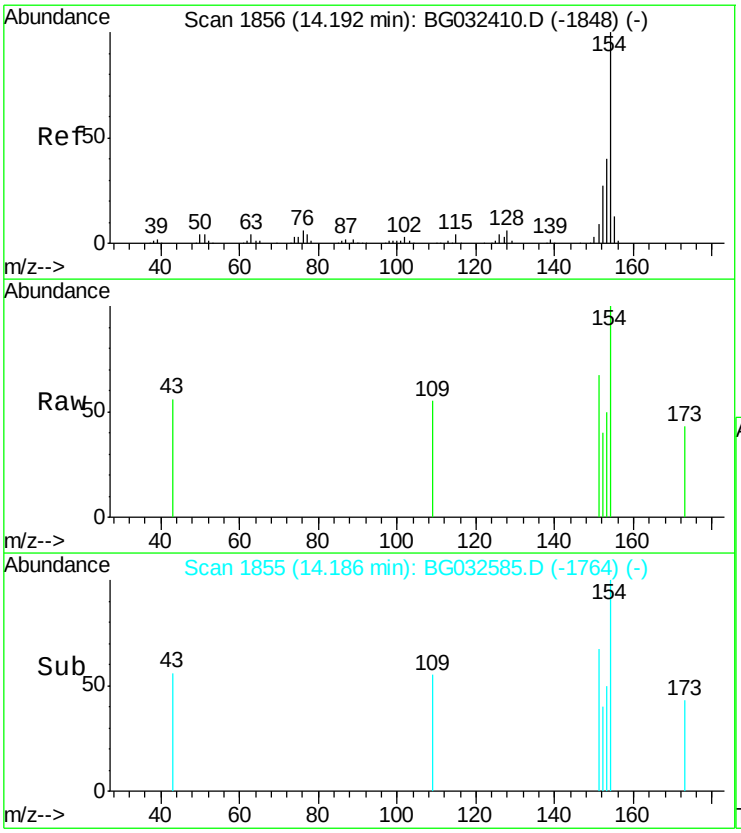
#44
2-Fluorobiphenyl
Concen: 73.845 ng
RT: 13.97 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion:172 Resp: 366658

Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.0	45.0
170	24.3	19.5	29.3

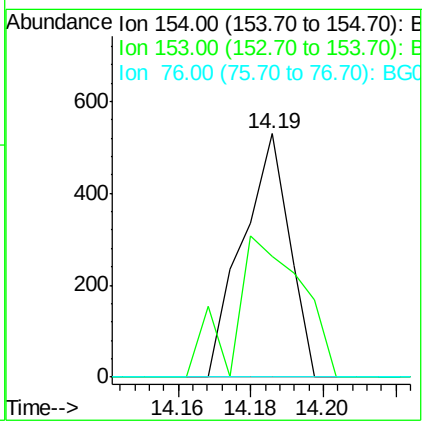


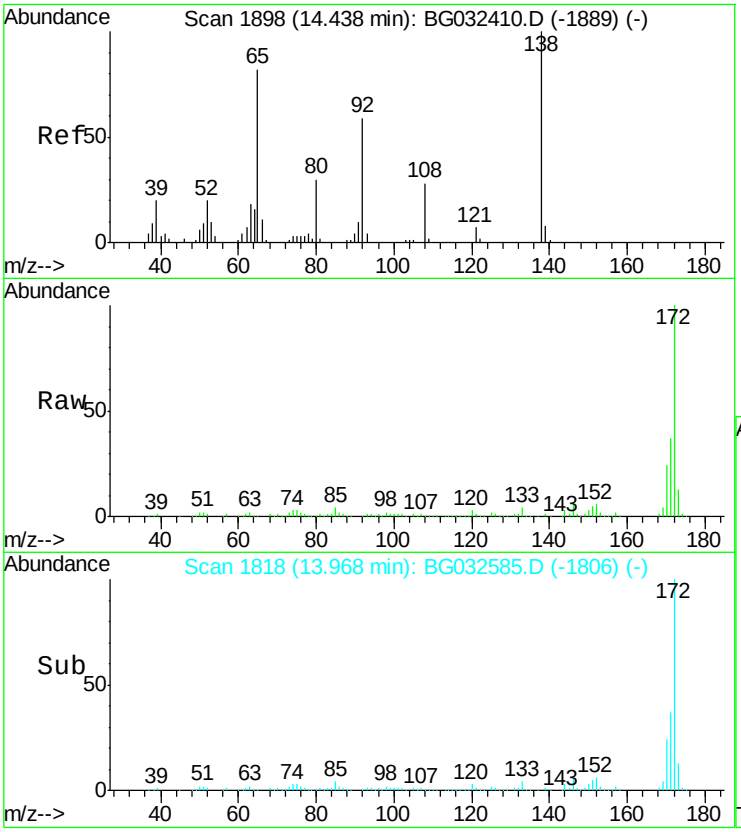


#45
1,1'-Biphenyl
Concen: 0.095 ng
RT: 14.19 min Scan# 1855
Delta R.T. 0.01 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion:154 Resp: 474

Ion	Ratio	Lower	Upper
154	100		
153	49.8	19.8	59.8
76	0.0	0.0	31.9



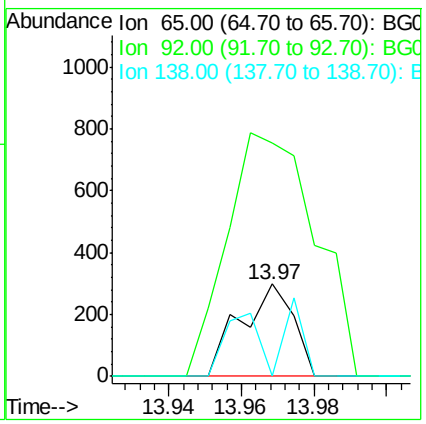


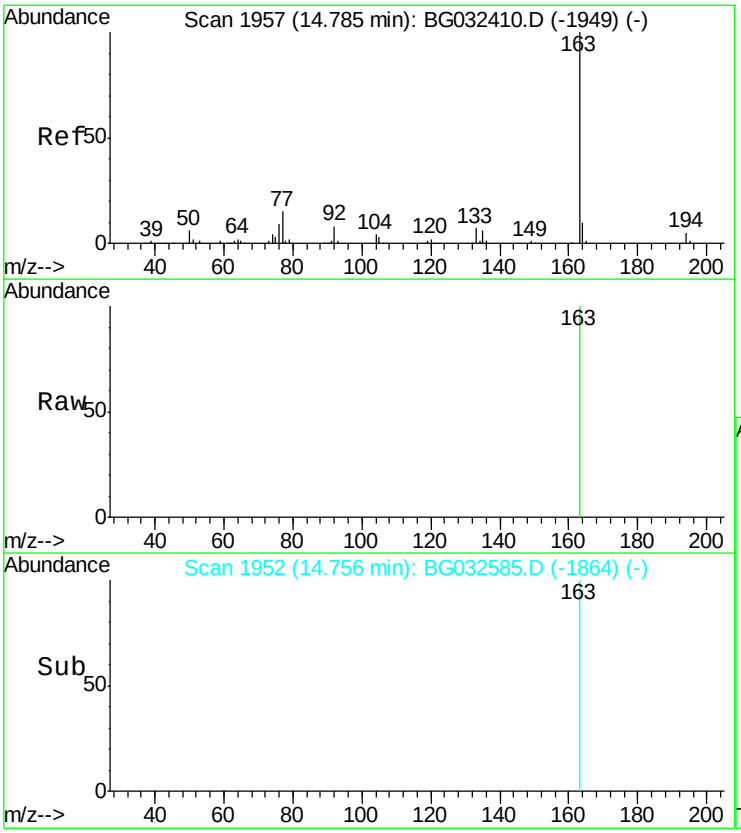
#47
2-Nitroaniline
Concen: 0.346 ng
RT: 13.97 min Scan# 1818
Delta R.T. -0.46 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion: 65 Resp: 299

Ion	Ratio	Lower	Upper
65	100		
92	254.2	54.6	82.0#
138	0.0	72.9	109.3#

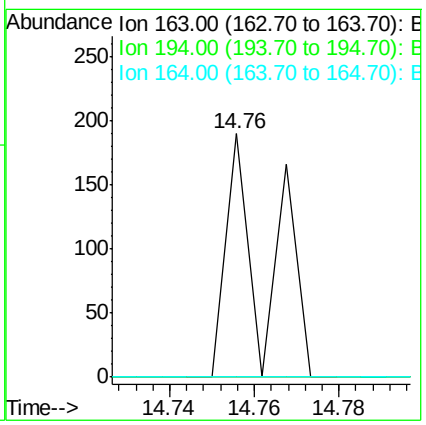


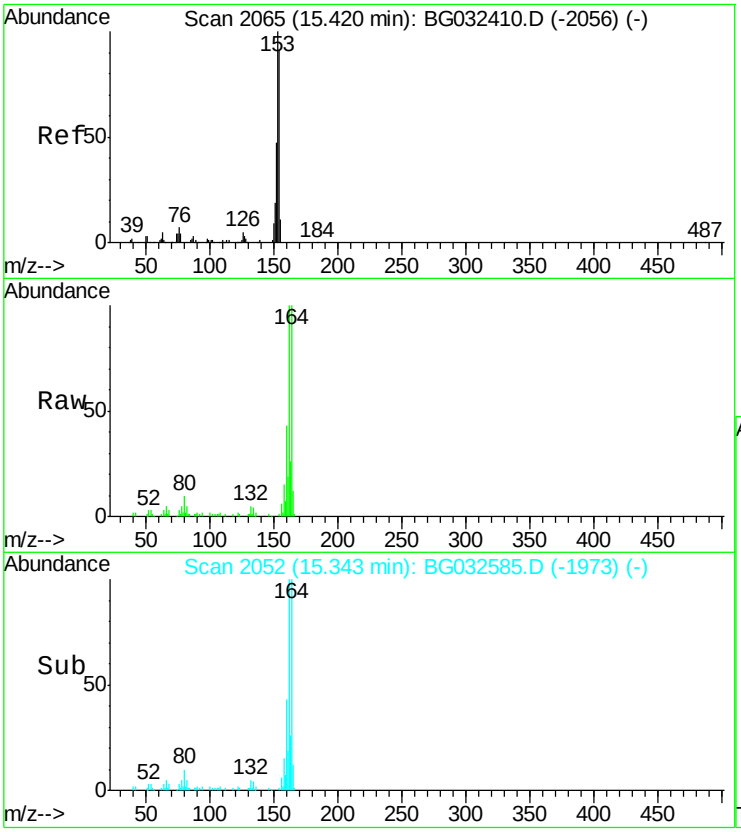


#49
Dimethylphthalate
Concen: 0.023 ng
RT: 14.76 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion:163 Resp: 125

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



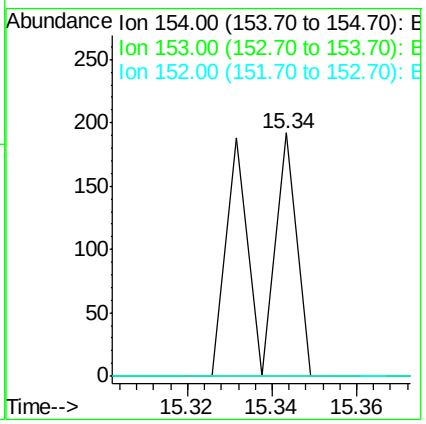


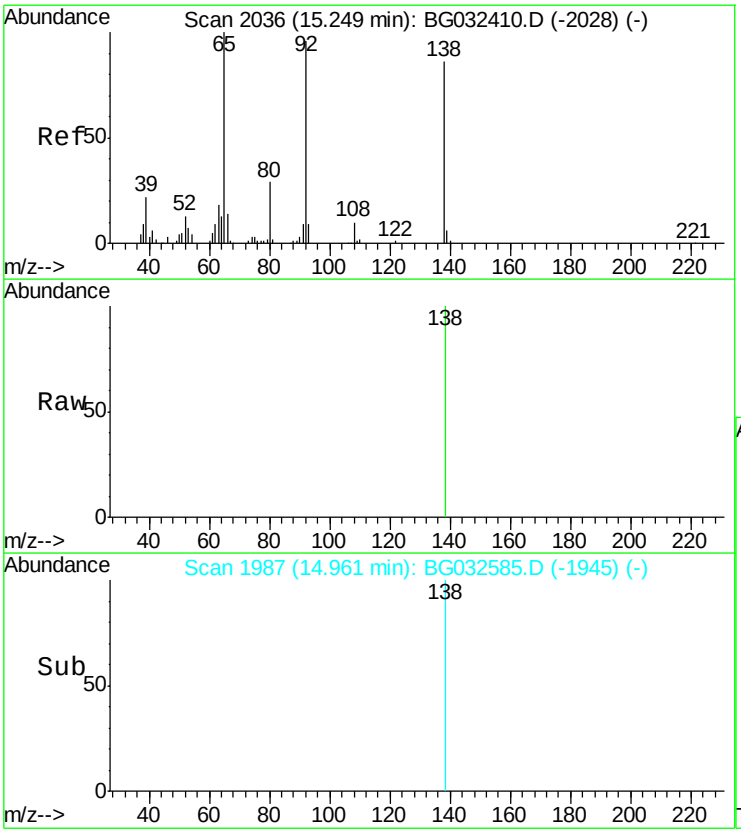
#51
Acenaphthene
Concen: 0.033 ng
RT: 15.34 min Scan# 2052
Delta R.T. -0.06 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion:154 Resp: 134

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

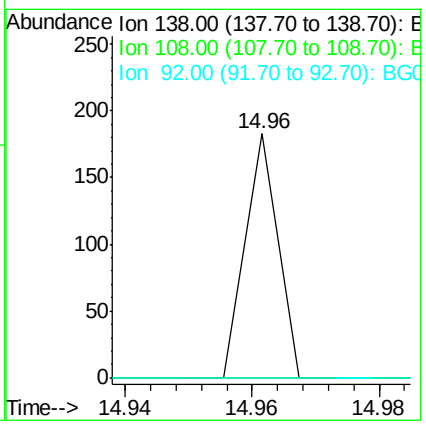


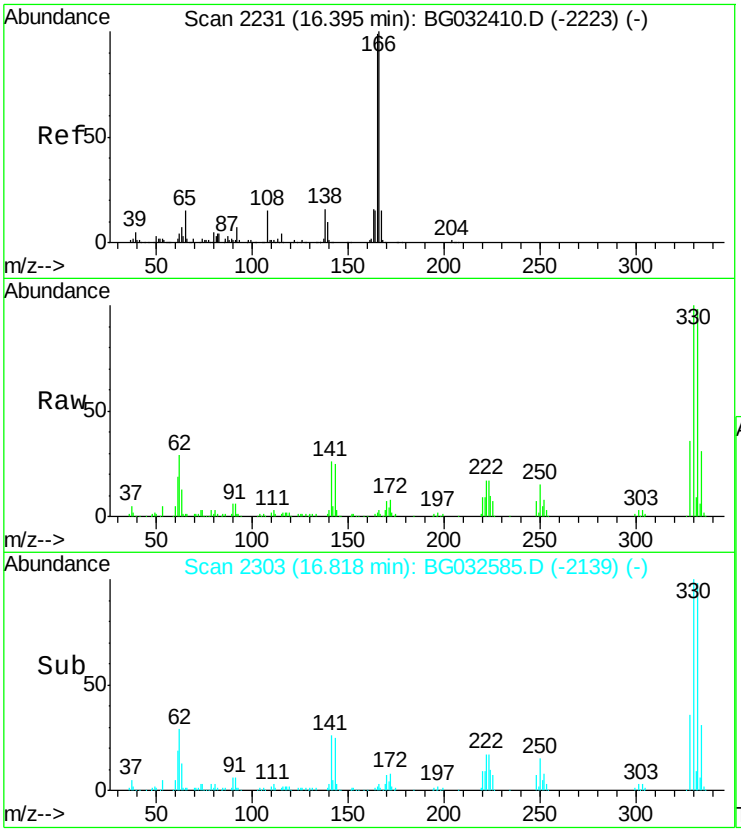


#52
3-Nitroaniline
Concen: 0.065 ng
RT: 14.96 min Scan# 1987
Delta R.T. -0.28 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion:138 Resp: 65

Ion	Ratio	Lower	Upper
138	100		
108	0.0	17.5	26.3#
92	0.0	105.8	158.8#



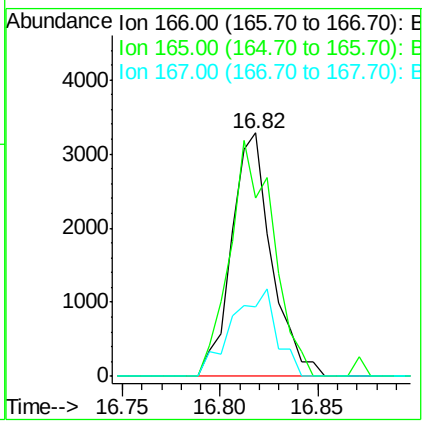


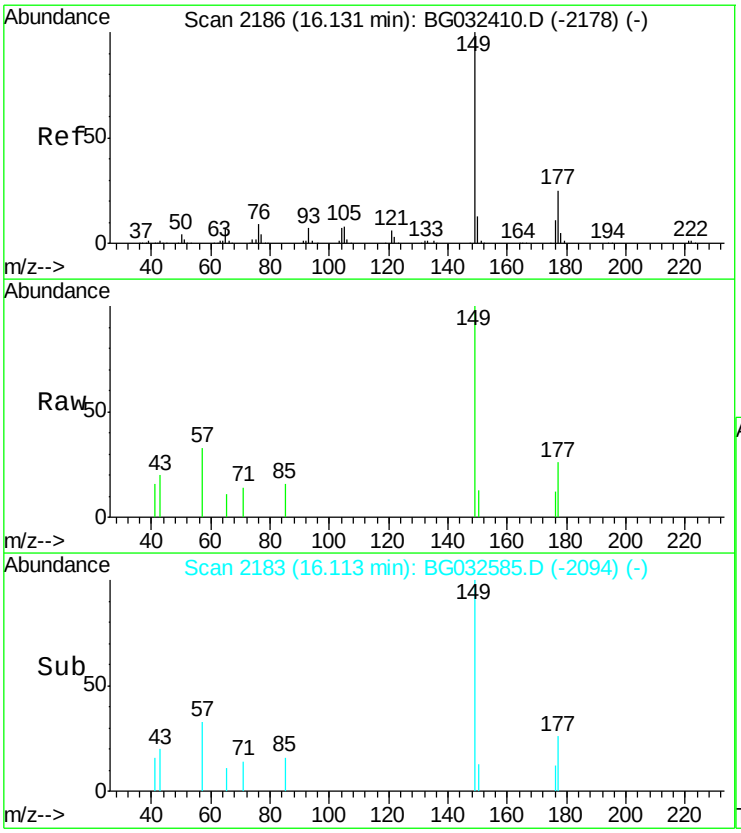
#57
Fluorene
Concen: 0.922 ng
RT: 16.82 min Scan# 2303
Delta R.T. 0.43 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion:166 Resp: 4645

Ion	Ratio	Lower	Upper
166	100		
165	73.3	80.6	121.0#
167	28.8	10.4	15.6#

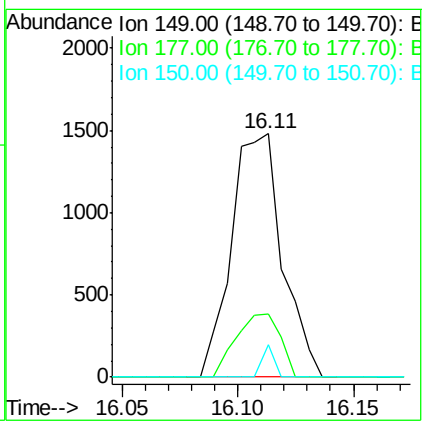


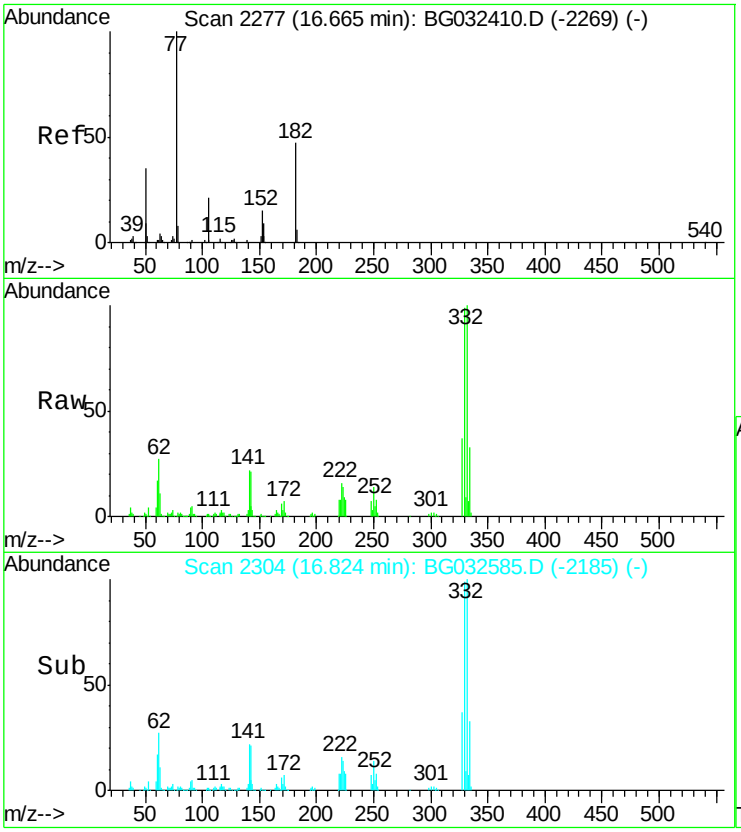


#59
Diethylphthalate
Concen: 0.429 ng
RT: 16.11 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion:149 Resp: 2274

Ion	Ratio	Lower	Upper
149	100		
177	25.9	18.5	27.7
150	13.4	10.2	15.2



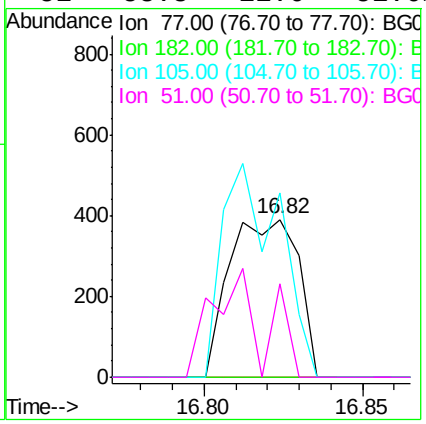


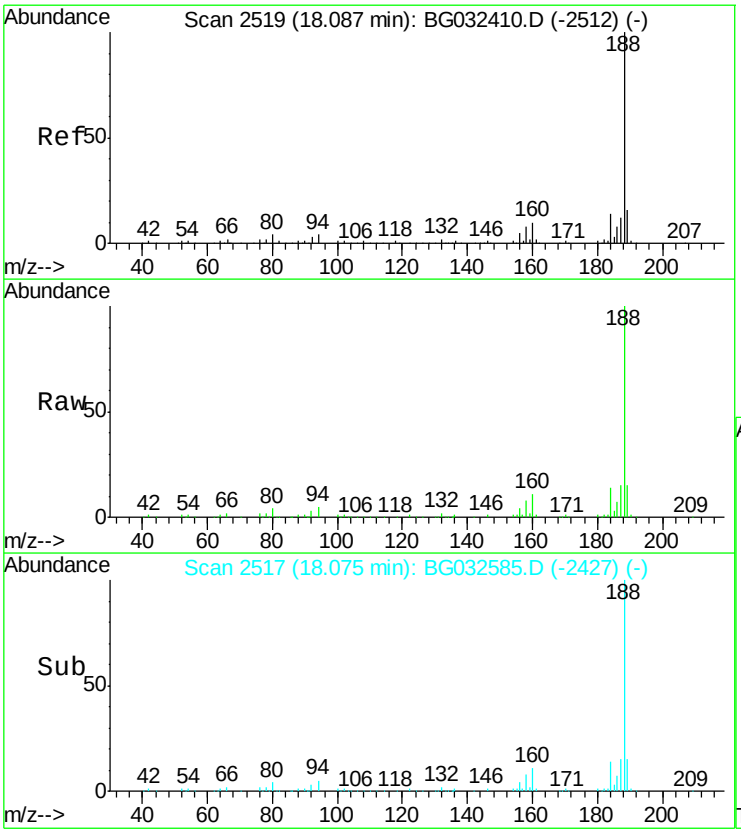
#62
Azobenzene
Concen: 0.185 ng
RT: 16.82 min Scan# 2304
Delta R.T. 0.17 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion: 77 Resp: 586

Ion	Ratio	Lower	Upper
77	100		
182	0.0	7.4	47.4#
105	116.6	0.3	40.3#
51	58.8	11.6	51.6#

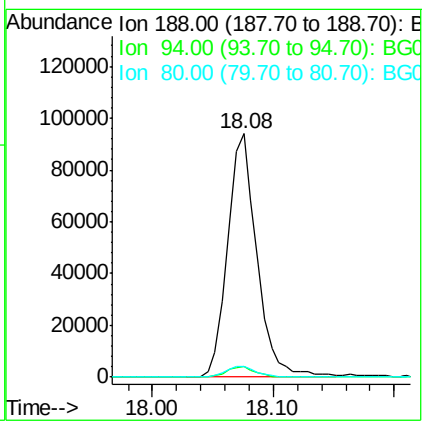


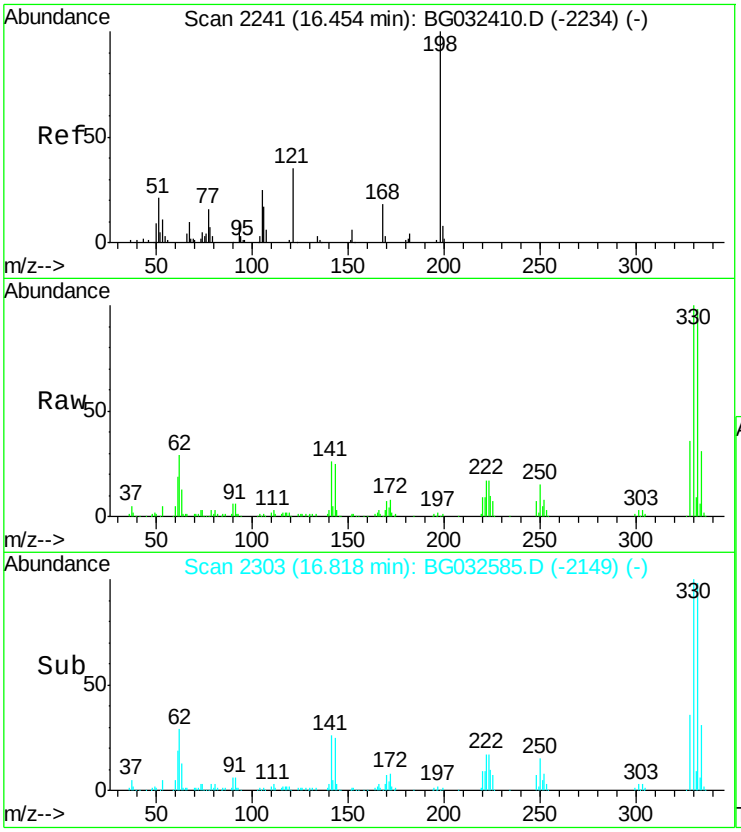


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.08 min Scan# 2517
Delta R.T. -0.00 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion:188 Resp: 158356

Ion	Ratio	Lower	Upper
188	100		
94	4.6	6.9	10.3#
80	4.3	7.7	11.5#



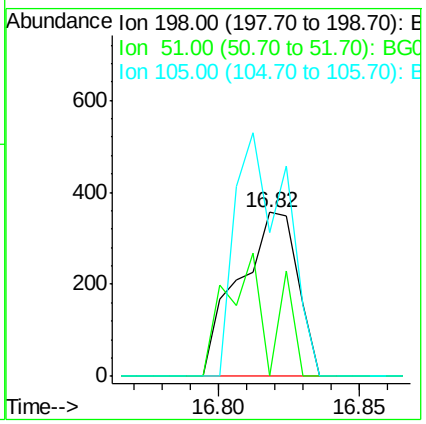


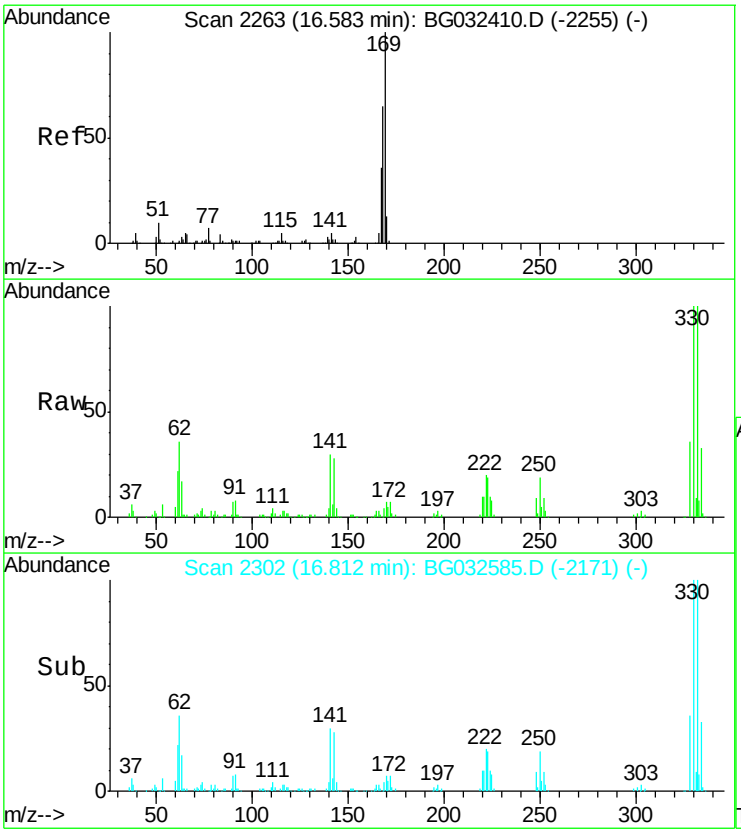
#64
4,6-Dinitro-2-methylphenol
Concen: 0.437 ng
RT: 16.82 min Scan# 2303
Delta R.T. 0.38 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion:198 Resp: 517

Ion	Ratio	Lower	Upper
198	100		
51	0.0	30.6	70.6#
105	87.6	23.8	63.8#

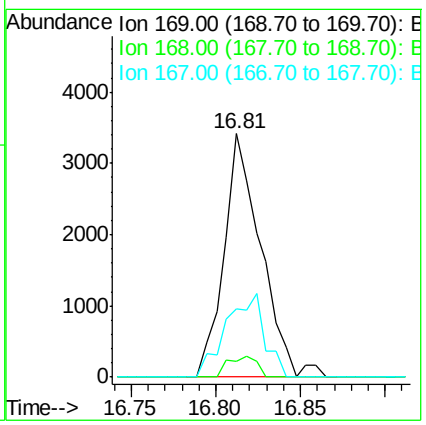


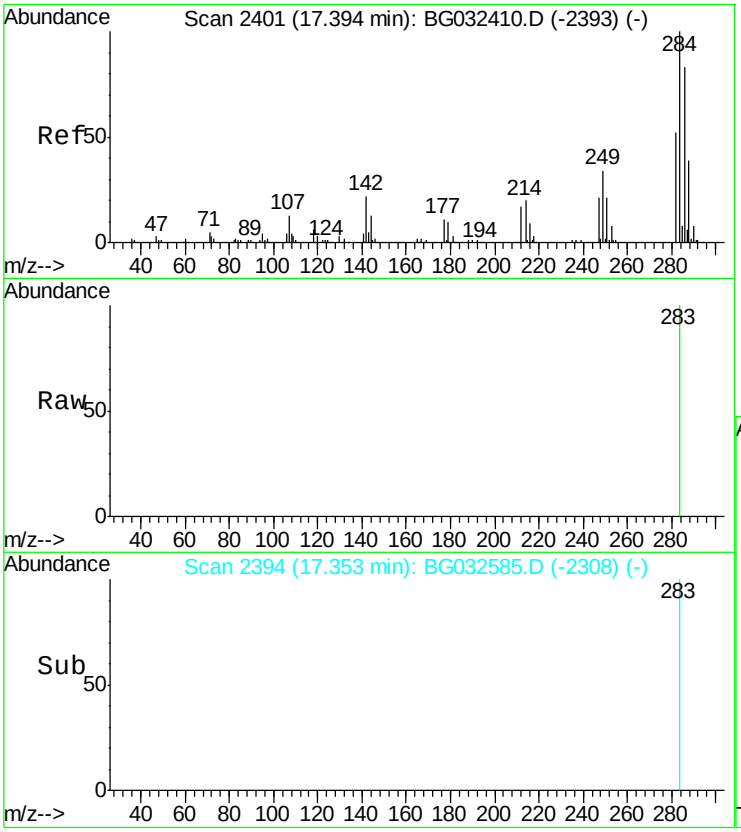


#65
n-Nitrosodiphenylamine
Concen: 1.098 ng
RT: 16.81 min Scan# 2302
Delta R.T. 0.24 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion:169 Resp: 5188

Ion	Ratio	Lower	Upper
169	100		
168	6.3	55.7	83.5#
167	34.1	30.1	45.1



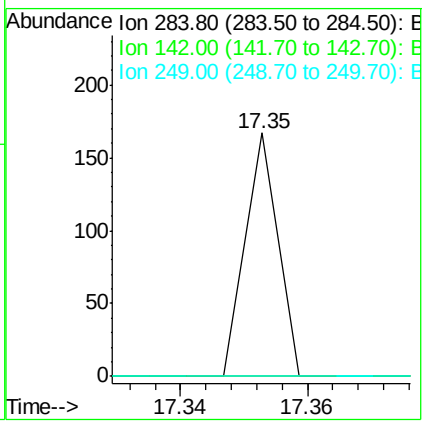


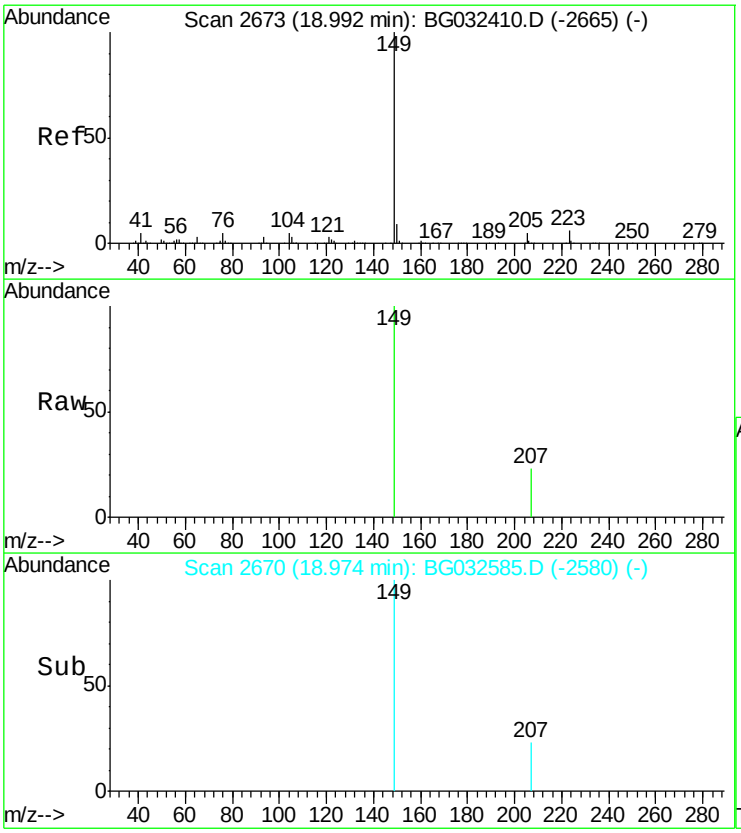
#67
Hexachlorobenzene
Concen: 0.023 ng
RT: 17.35 min Scan# 2394
Delta R.T. -0.02 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion:284 Resp: 59

Ion	Ratio	Lower	Upper
284	100		
142	0.0	26.8	40.2#
249	0.0	26.3	39.5#

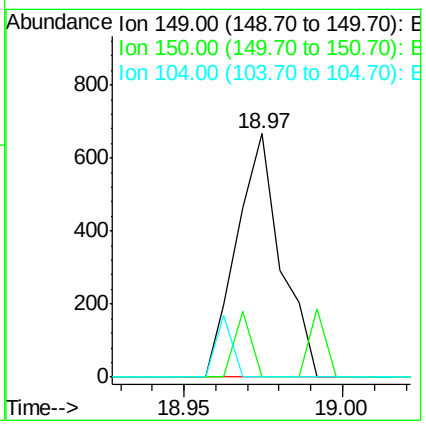


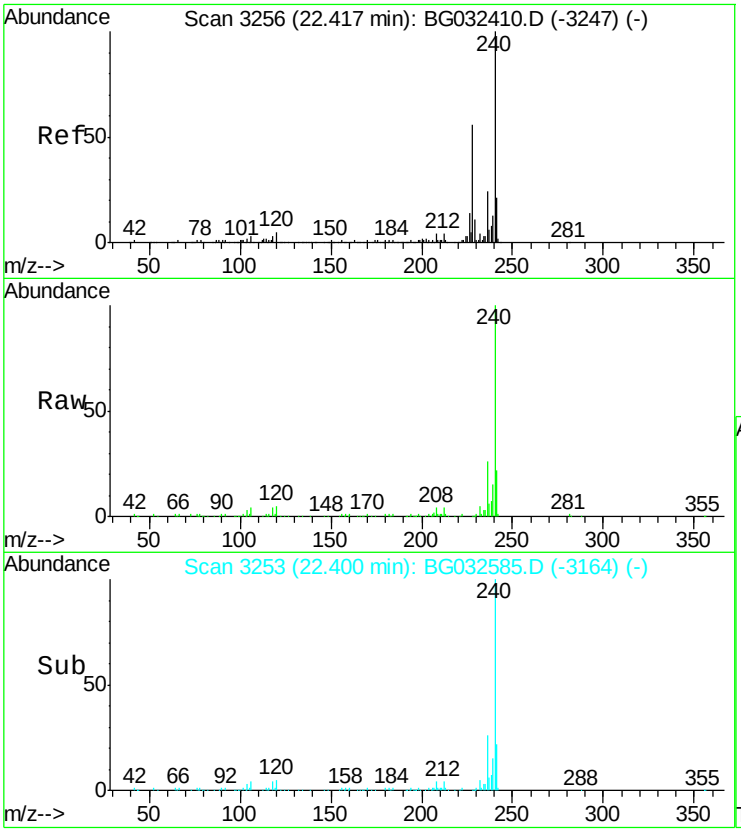


#73
Di-n-butylphthalate
Concen: 0.075 ng
RT: 18.97 min Scan# 2670
Delta R.T. -0.00 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion:149 Resp: 643

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



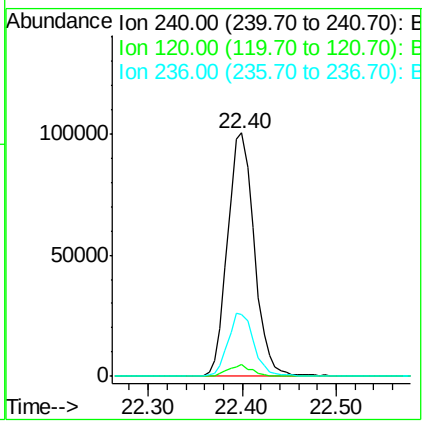


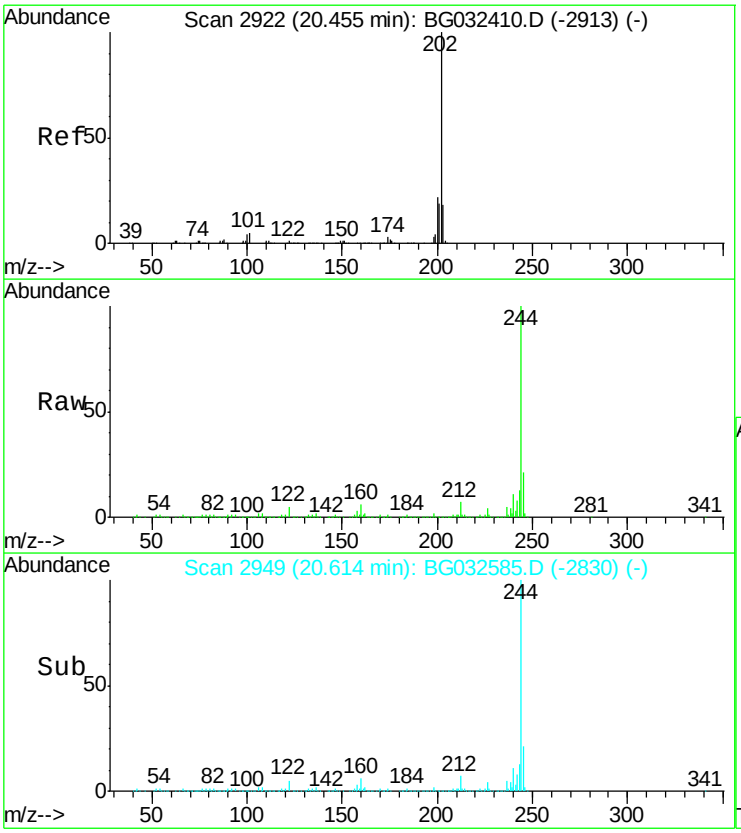
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.40 min Scan# 3253
Delta R.T. -0.01 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion:240 Resp: 198664

Ion	Ratio	Lower	Upper
240	100		
120	4.8	6.8	10.2#
236	25.6	20.9	31.3

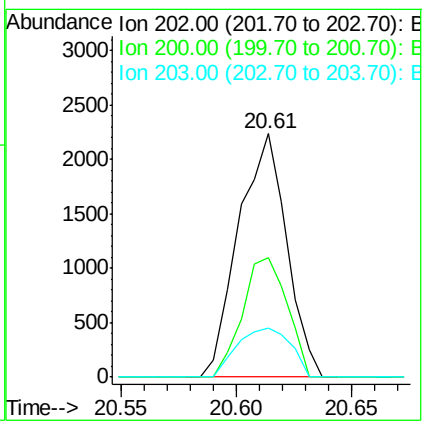


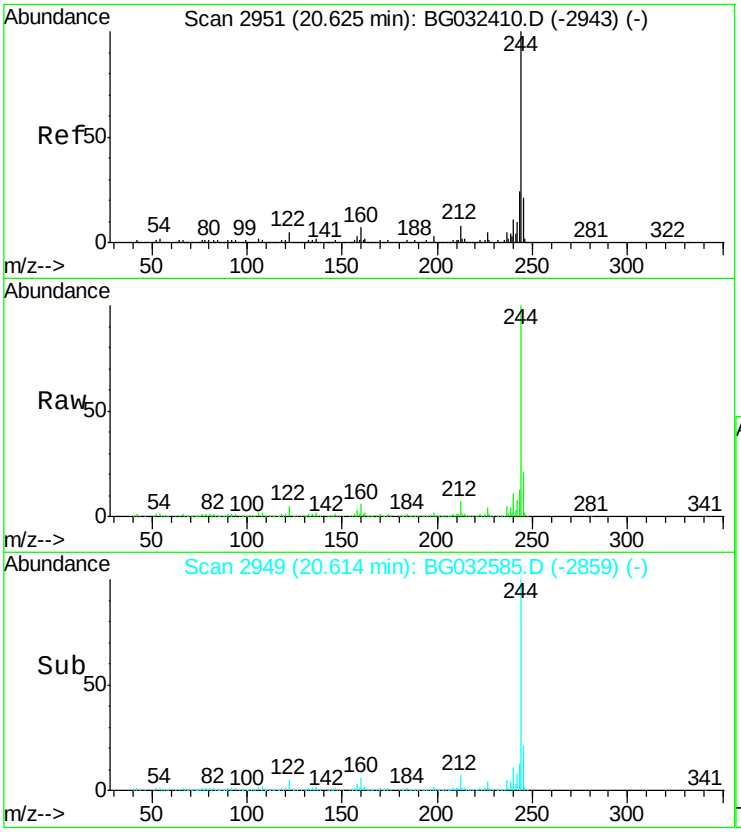


#77
Pyrene
Concen: 0.265 ng
RT: 20.61 min Scan# 2949
Delta R.T. 0.17 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion:202 Resp: 3235

Ion	Ratio	Lower	Upper
202	100		
200	49.1	16.9	25.3#
203	19.9	13.9	20.9



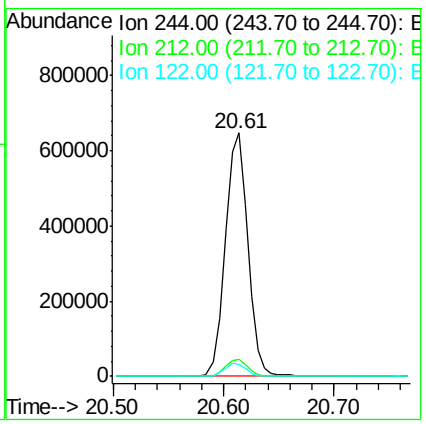


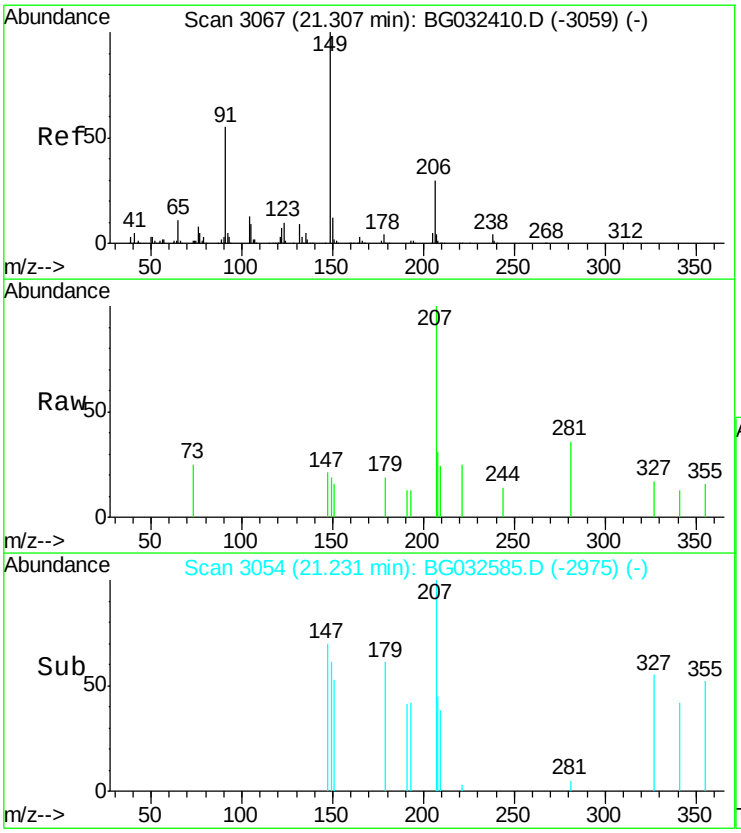
#78
Terphenyl-d14
Concen: 99.926 ng
RT: 20.61 min Scan# 2949
Delta R.T. -0.00 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion:244 Resp: 926752

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	5.1	7.0	10.4#

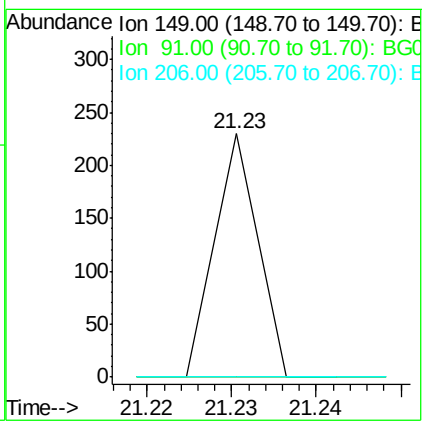


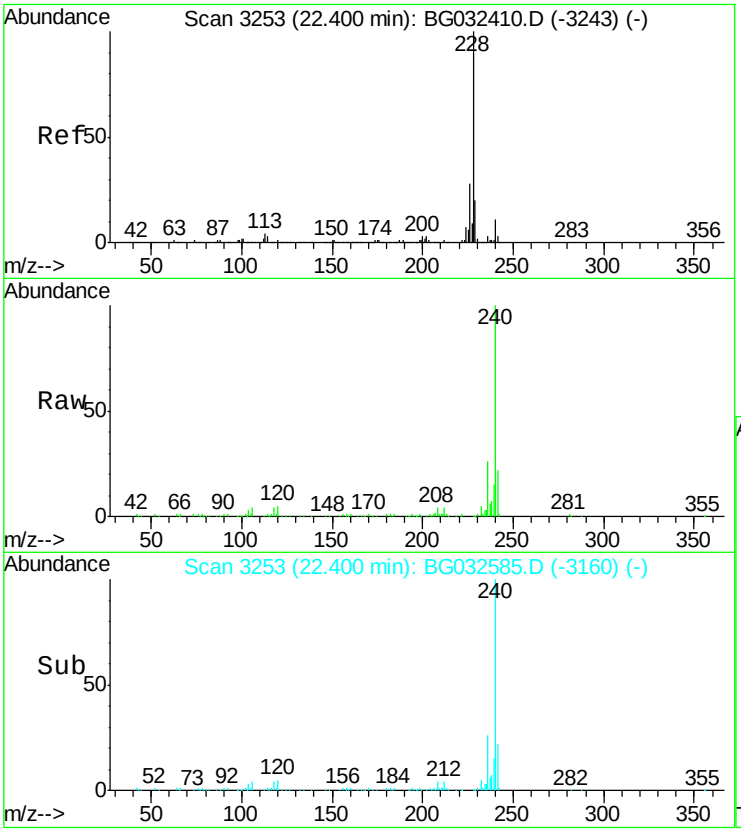


#79
Butylbenzylphthalate
Concen: 0.021 ng
RT: 21.23 min Scan# 3054
Delta R.T. -0.06 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion:149 Resp: 81

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



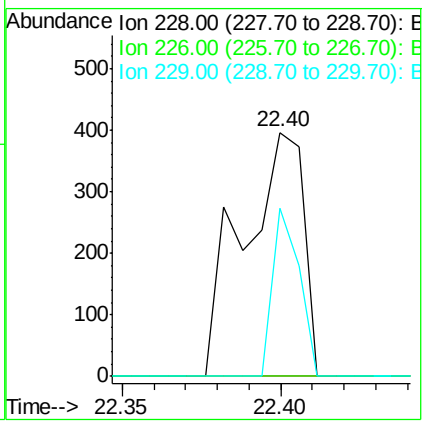


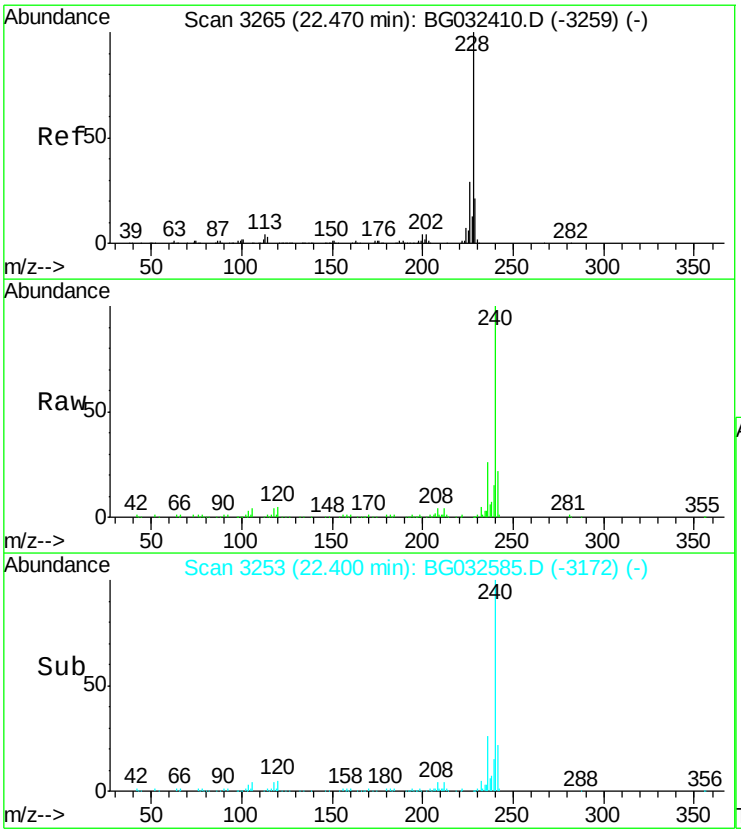
#80
Benzo(a)anthracene
Concen: 0.042 ng
RT: 22.40 min Scan# 3253
Delta R.T. 0.02 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion:228 Resp: 523

Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.7	34.1#
229	69.2	16.2	24.2#

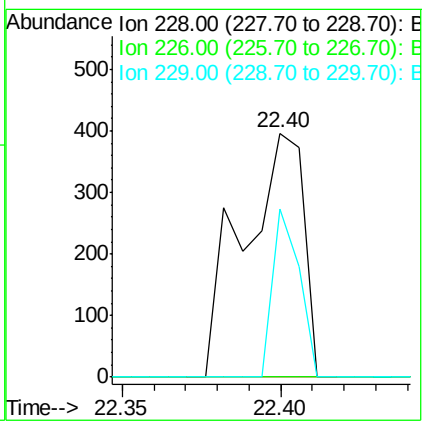


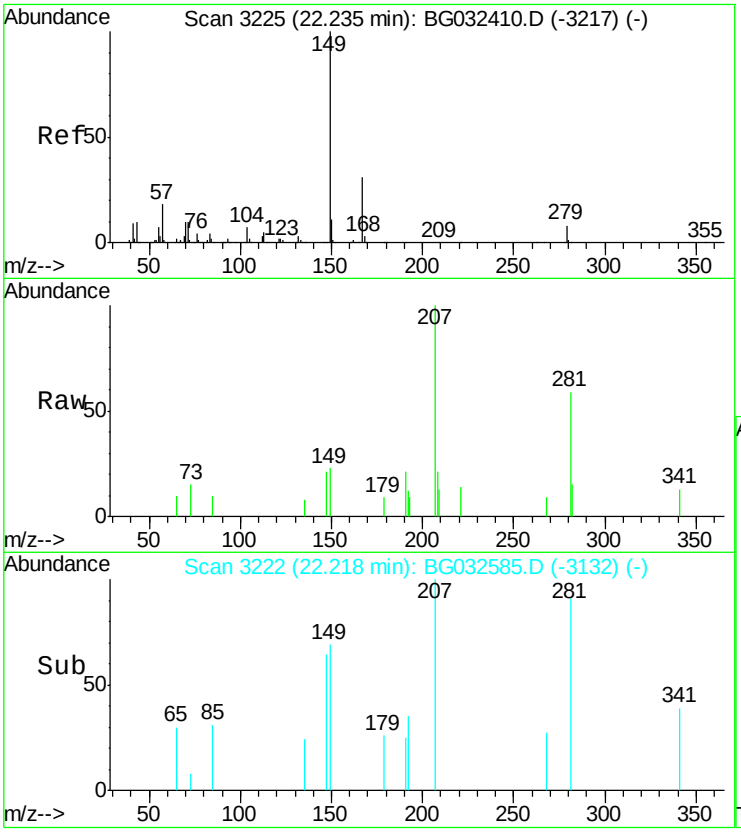


#82
Chrysene
Concen: 0.044 ng
RT: 22.40 min Scan# 3253
Delta R.T. -0.05 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion:228 Resp: 523

Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.9	37.3#
229	69.2	15.0	22.4#



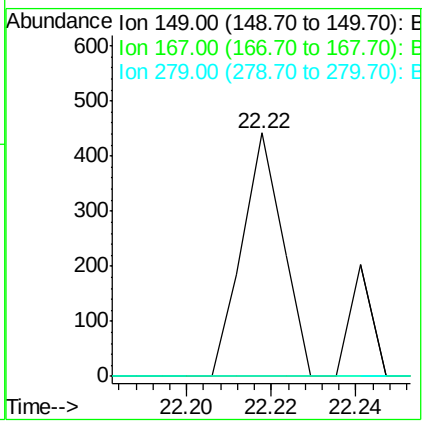


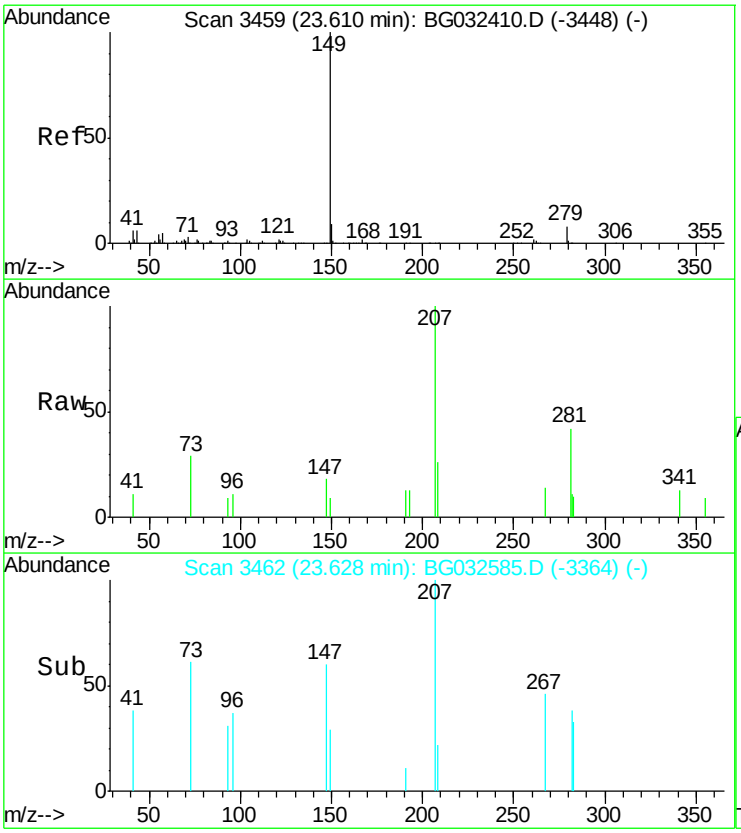
#83
Bis(2-ethylhexyl)phthalate
Concen: 0.055 ng
RT: 22.22 min Scan# 3222
Delta R.T. -0.00 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion:149 Resp: 298

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

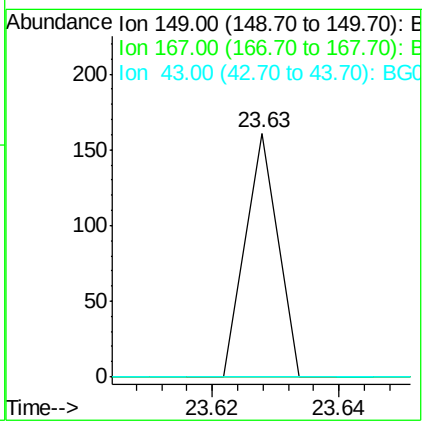


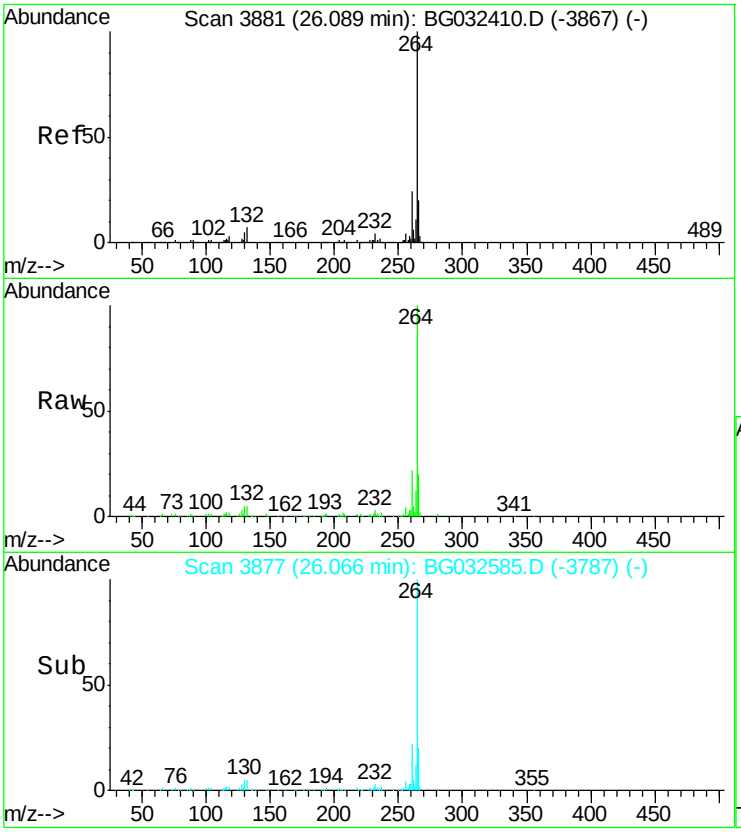


#84
Di-n-octyl phthalate
Concen: 0.007 ng
RT: 23.63 min Scan# 3462
Delta R.T. 0.05 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion:149 Resp: 57

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



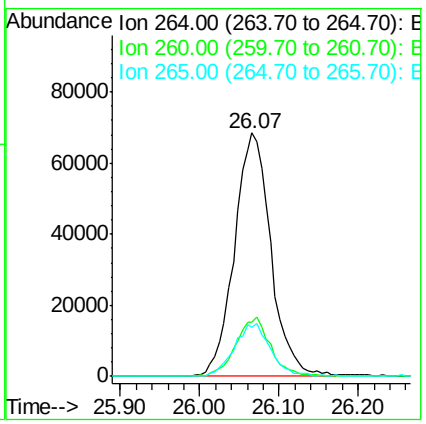


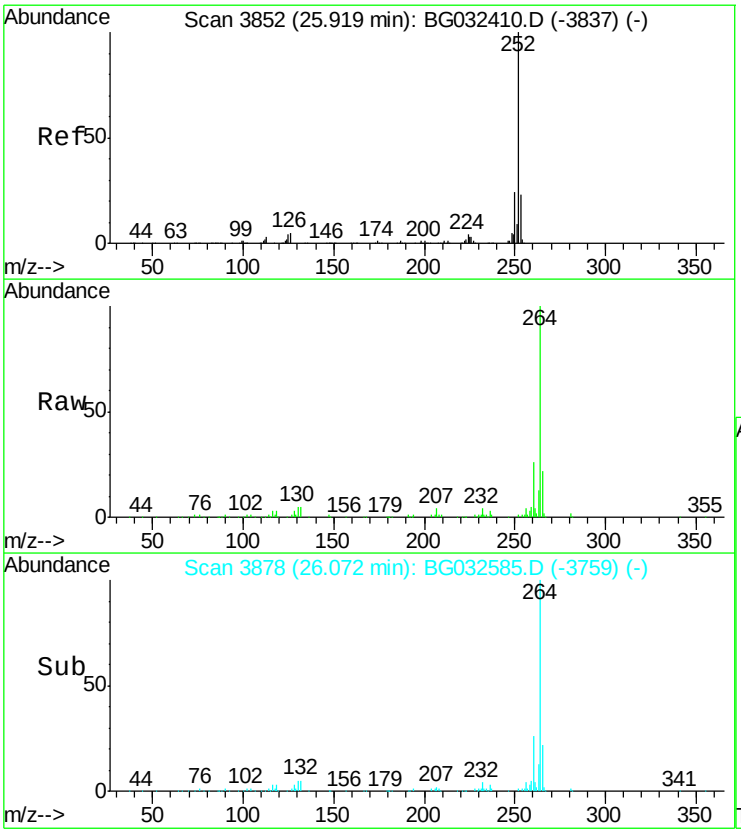
#86
Perylene-d12
Concen: 20.000 ng
RT: 26.07 min Scan# 3877
Delta R.T. -0.00 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Instrument :
BNA_G
ClientSampleId :
LW-02-B

Tgt Ion:264 Resp: 217973

Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	20.0	17.7	26.5





#89
Benzo(a)pyrene
Concen: 0.039 ng
RT: 26.07 min Scan# 3878
Delta R.T. 0.17 min
Lab File: BG032585.D
Acq: 7 Feb 2018 5:34

Tgt Ion:252 Resp: 488

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