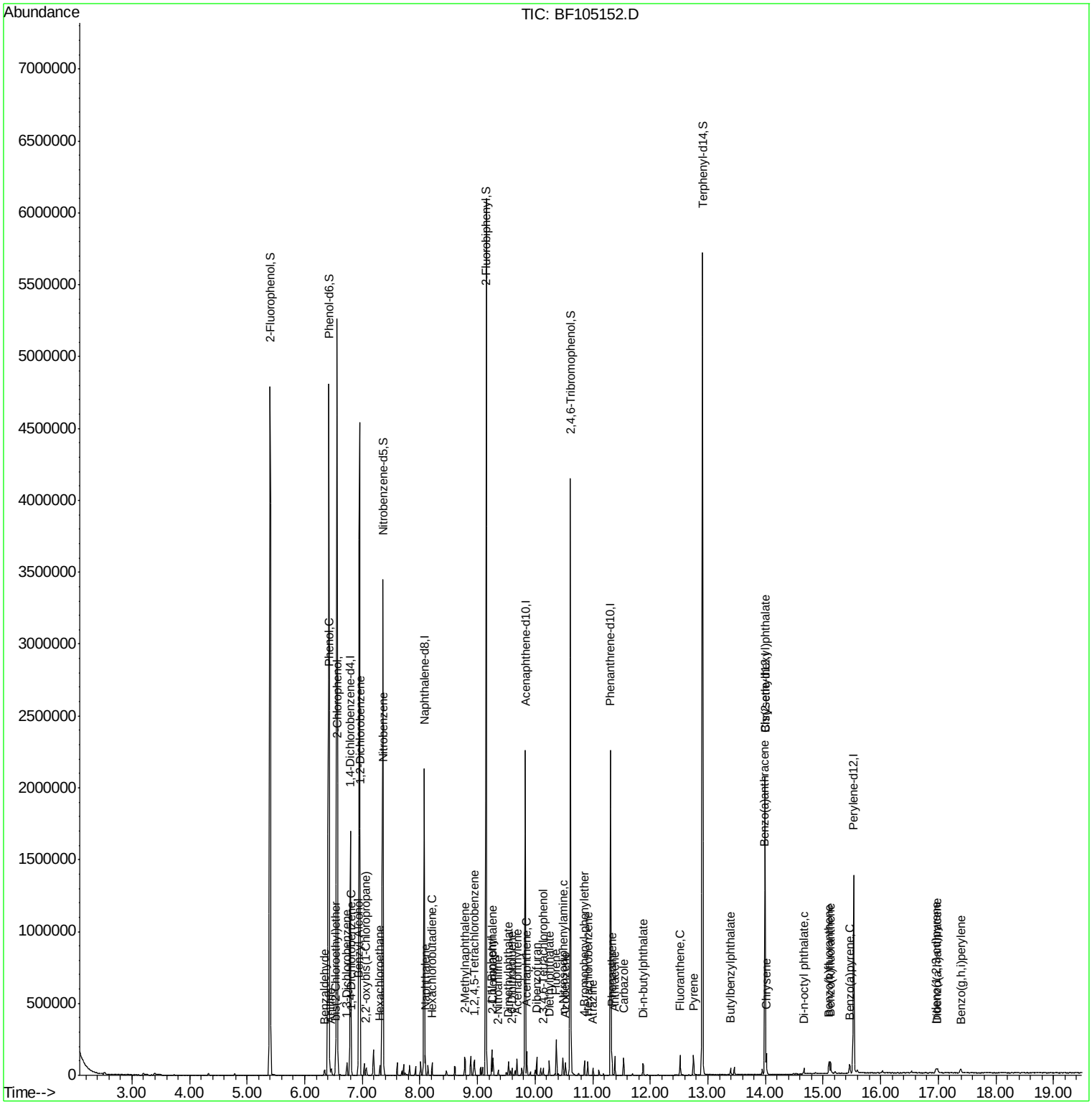
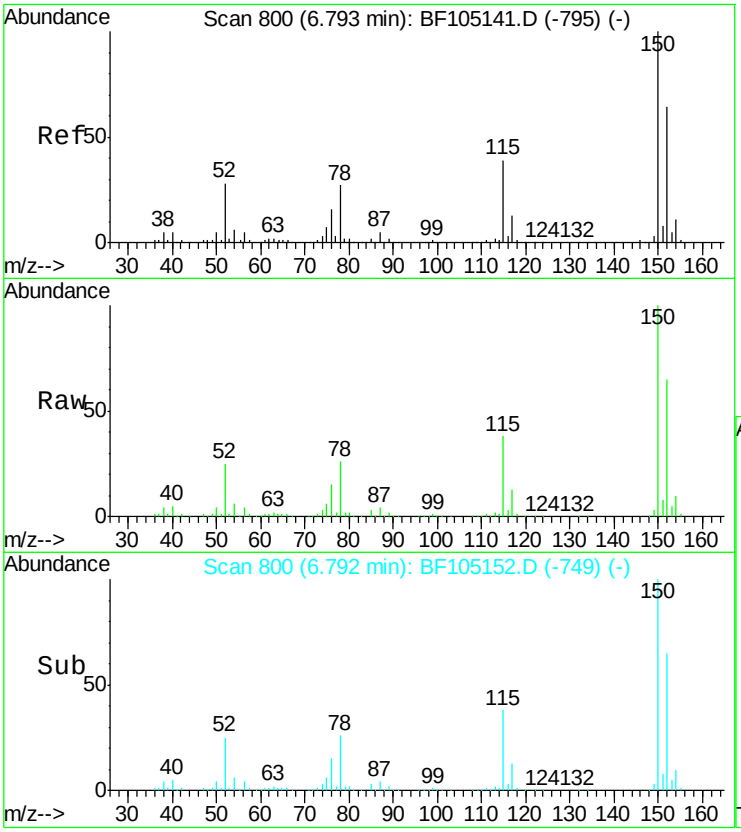
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
Data File : BF105152.D
Acq On : 8 May 2018 19:00
Operator : JU/SJ
Sample : J2133-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Quant Time: May 09 08:49:39 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 08 16:33:54 2018
Response via : Initial Calibration



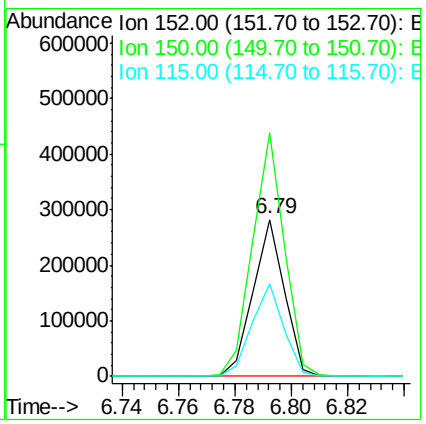


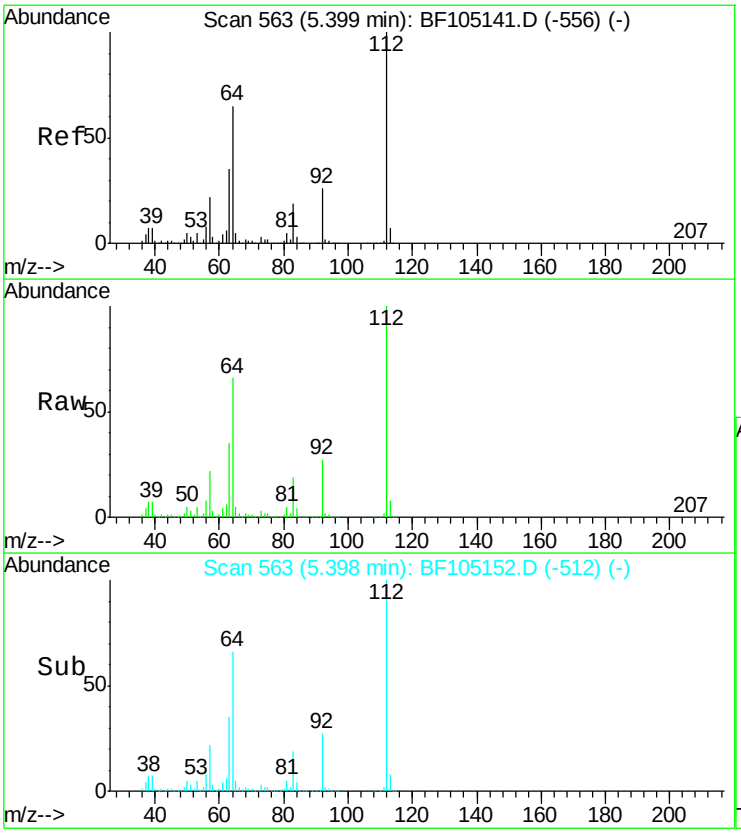
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:152 Resp: 217024

Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	58.9	50.1	75.1

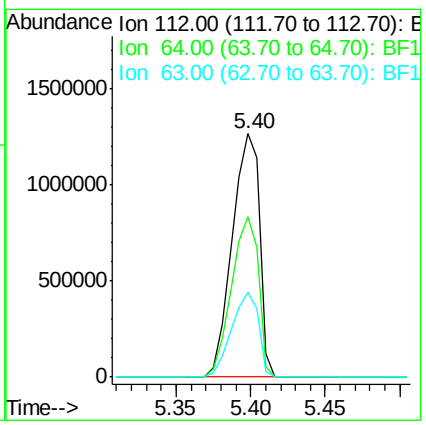


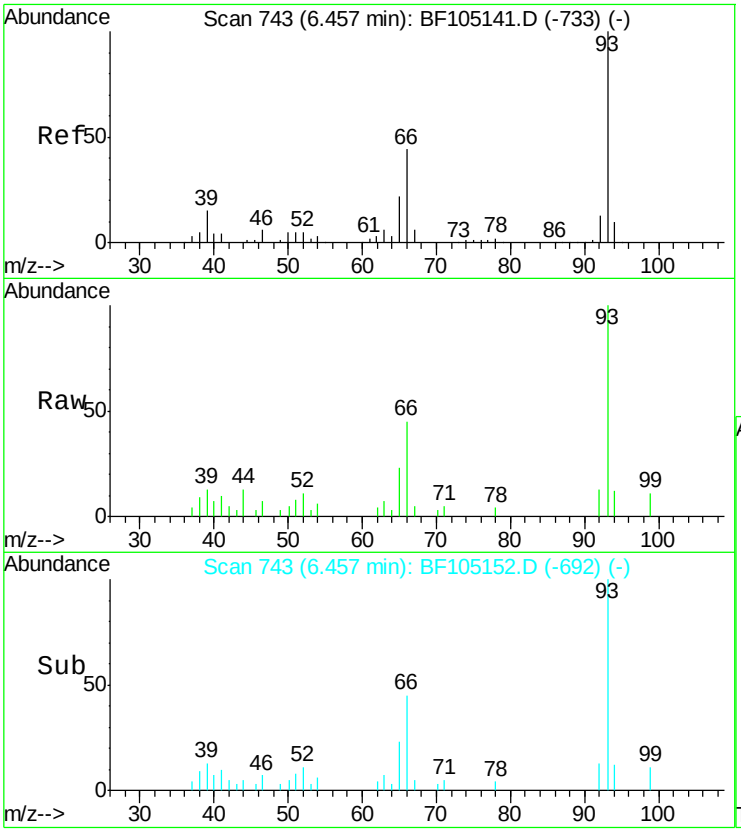


#5
2-Fluorophenol
Concen: 122.948 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.00 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:112 Resp: 1619644

Ion	Ratio	Lower	Upper
112	100		
64	65.9	47.9	71.9
63	34.7	23.7	35.5



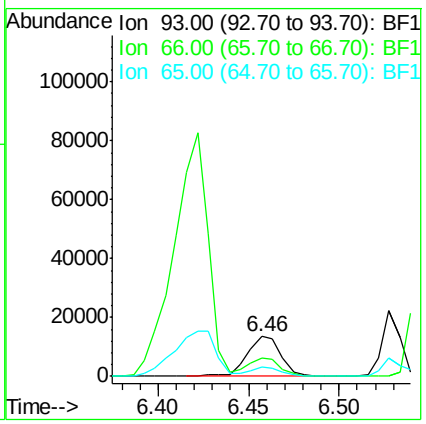


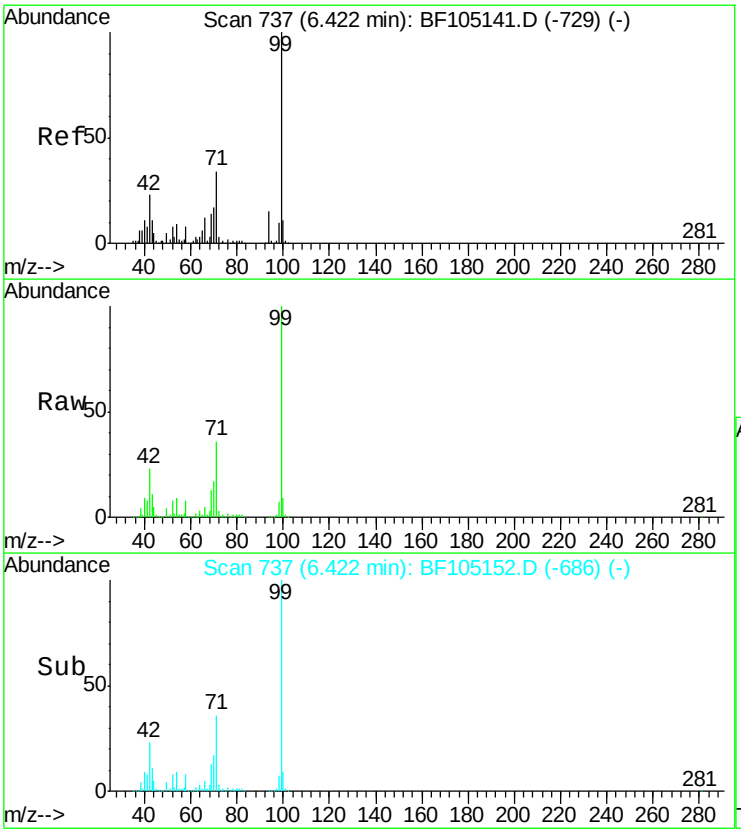
#6
Aniline
Concen: 0.777 ng
RT: 6.46 min Scan# 743
Delta R.T. -0.00 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion: 93 Resp: 17796

Ion	Ratio	Lower	Upper
93	100		
66	45.5	32.2	48.2
65	23.4	16.4	24.6

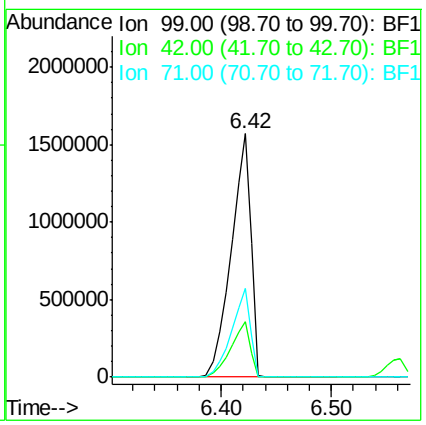


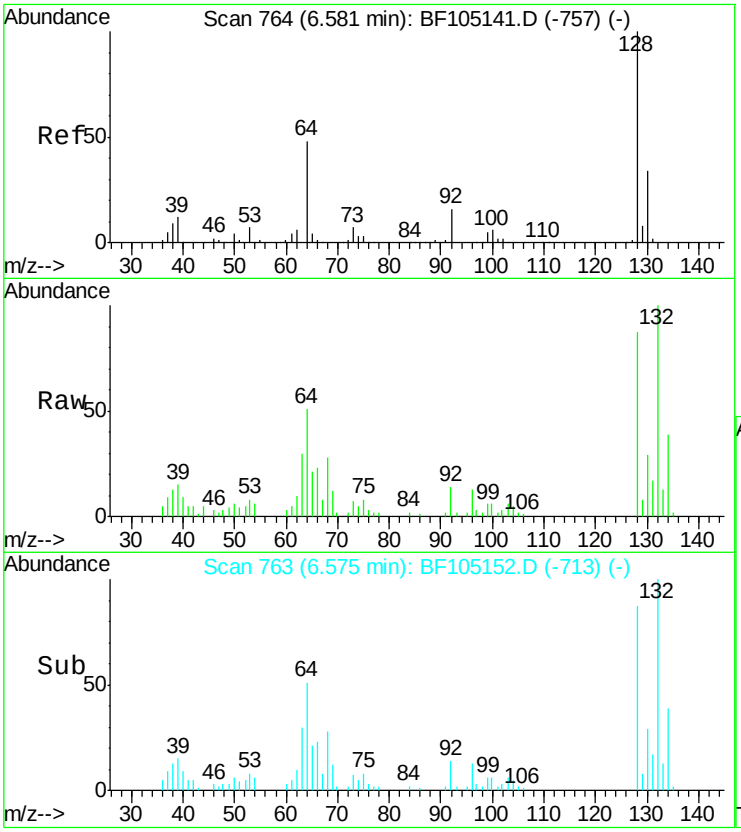


#7
Phenol-d6
Concen: 125.253 ng
RT: 6.42 min Scan# 737
Delta R.T. -0.00 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion: 99 Resp: 1964685

Ion	Ratio	Lower	Upper
99	100		
42	22.5	14.5	21.7#
71	36.3	25.4	38.0



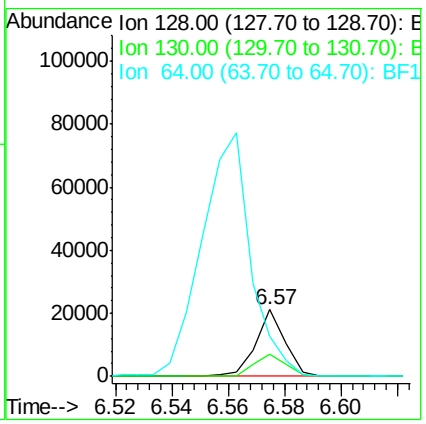


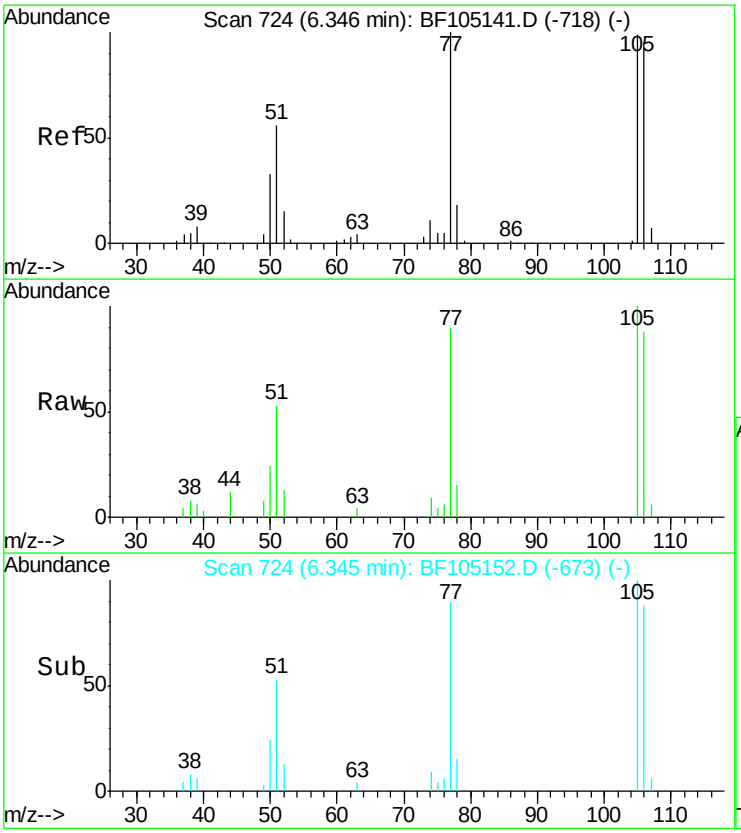
#8
2-Chlorophenol
Concen: 1.085 ng
RT: 6.57 min Scan# 763
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:128 Resp: 15158

Ion	Ratio	Lower	Upper
128	100		
130	32.9	13.0	53.0
64	59.2	29.4	69.4

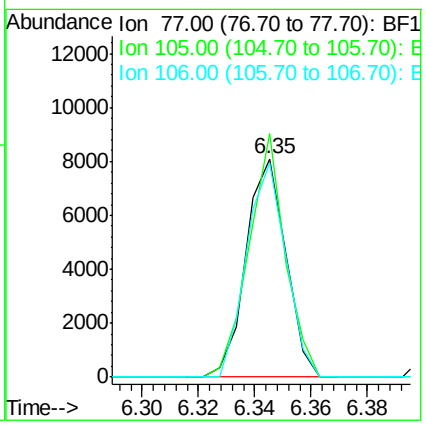


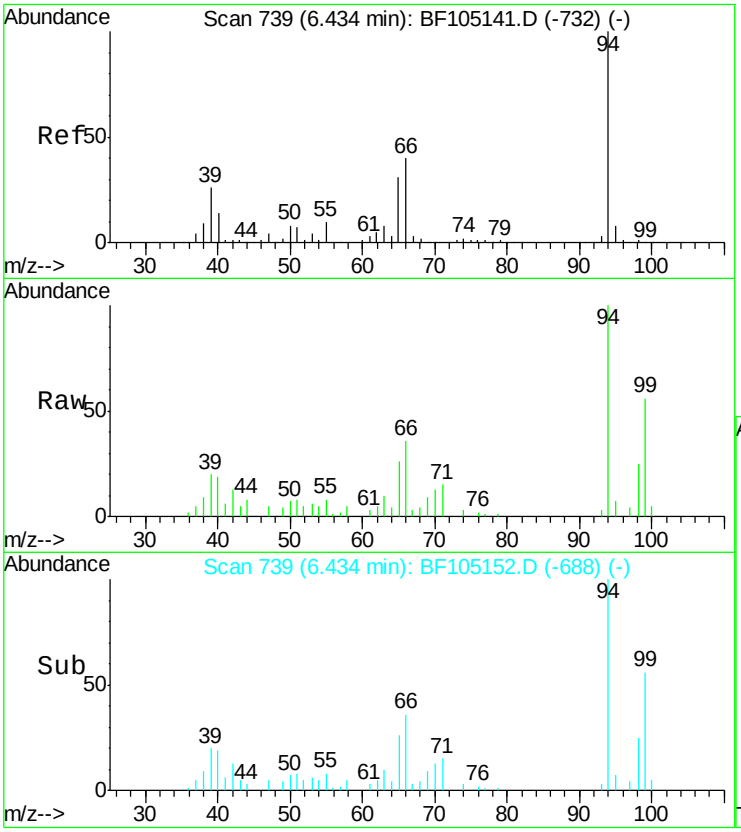


#9
Benzaldehyde
Concen: 0.658 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.00 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion: 77 Resp: 7912

Ion	Ratio	Lower	Upper
77	100		
105	111.7	81.1	121.1
106	98.4	74.5	114.5



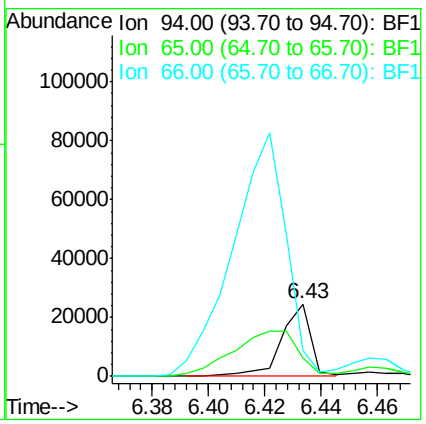


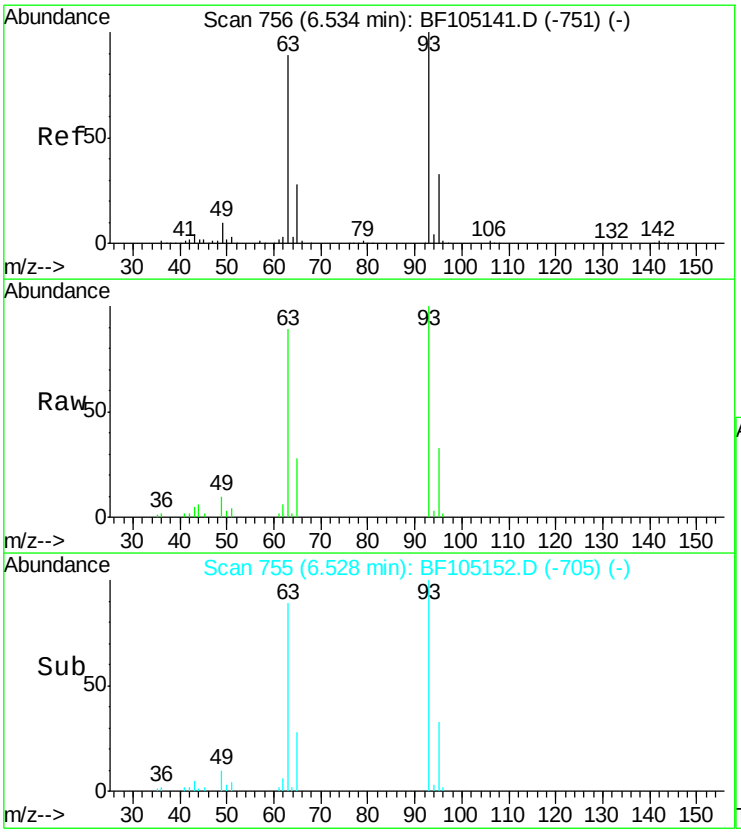
#10
Phenol
Concen: 1.011 ng
RT: 6.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion: 94 Resp: 17648

Ion	Ratio	Lower	Upper
94	100		
65	25.8	7.9	47.9
66	36.0	16.2	56.2

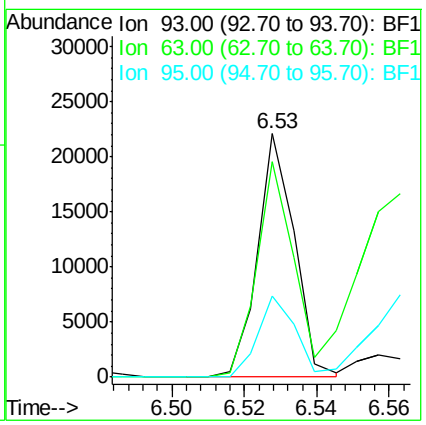


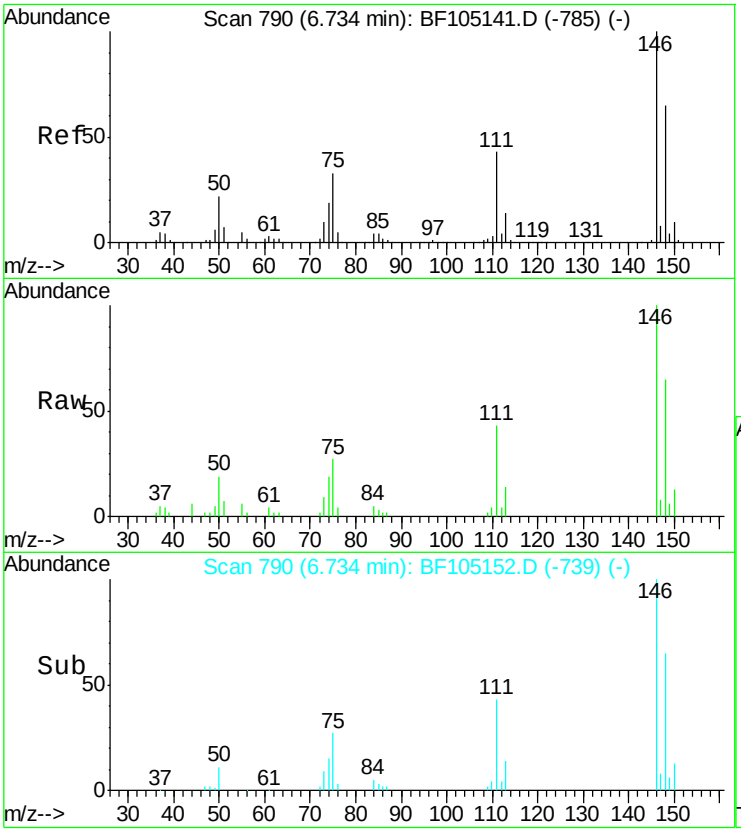


#11
bis(2-Chloroethyl)ether
Concen: 1.073 ng
RT: 6.53 min Scan# 755
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion: 93 Resp: 15432

Ion	Ratio	Lower	Upper
93	100		
63	88.6	58.6	98.6
95	33.2	11.8	51.8

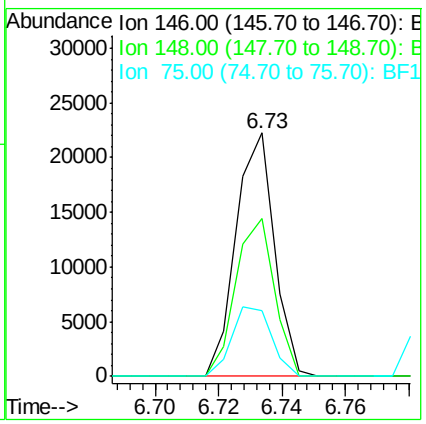




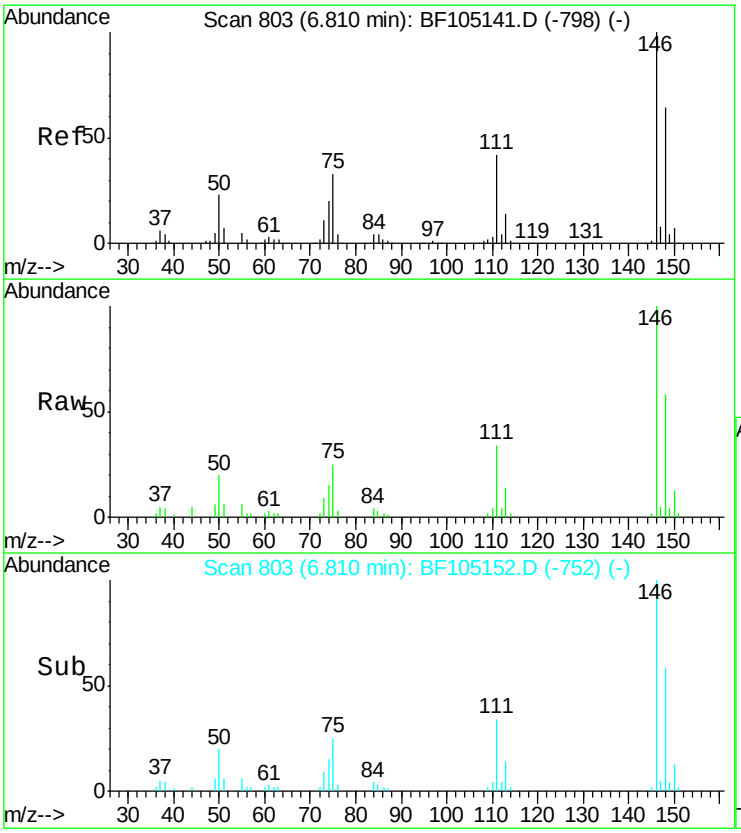
#12
1,3-Dichlorobenzene
Concen: 1.103 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:146 Resp: 18587

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.8	77.8
75	26.7	24.2	36.4



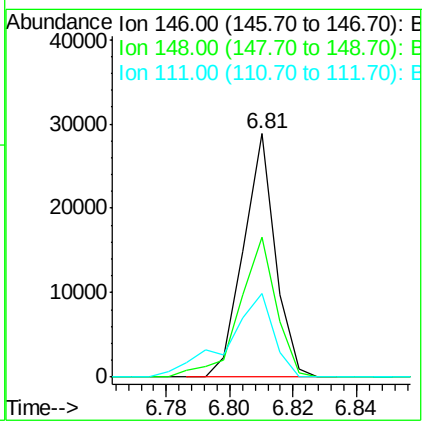
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

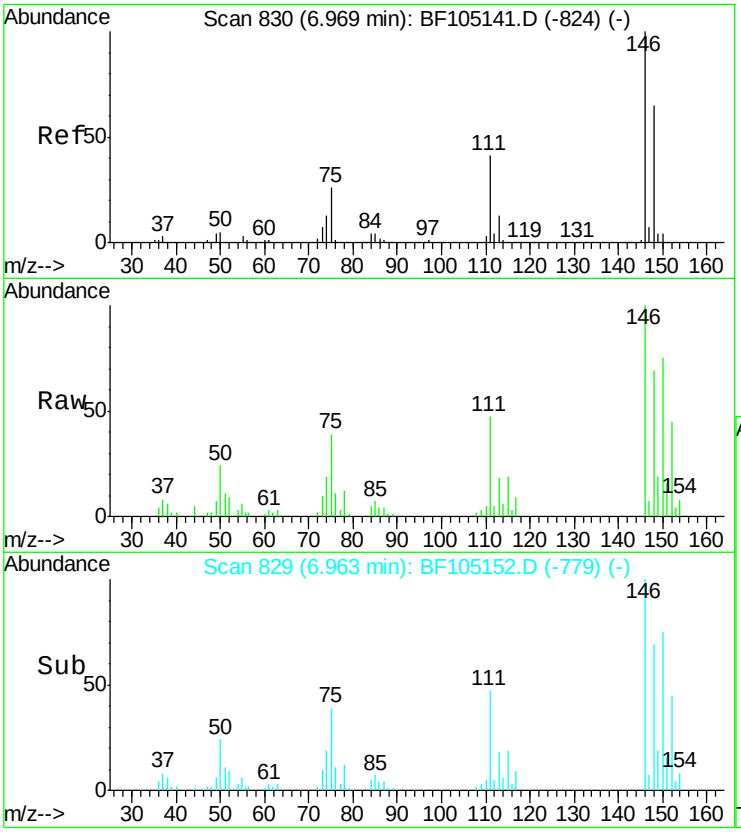


#13
1,4-Dichlorobenzene
Concen: 1.189 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:146 Resp: 20032

Ion	Ratio	Lower	Upper
146	100		
148	57.5	50.8	76.2
111	34.4	34.2	51.2



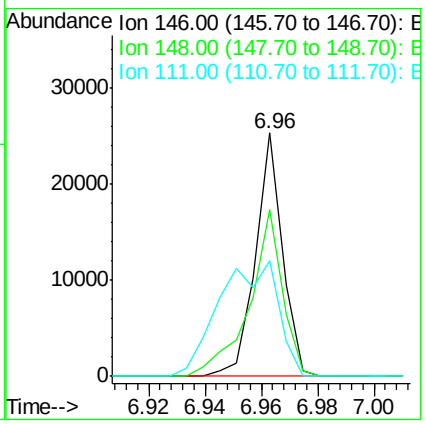


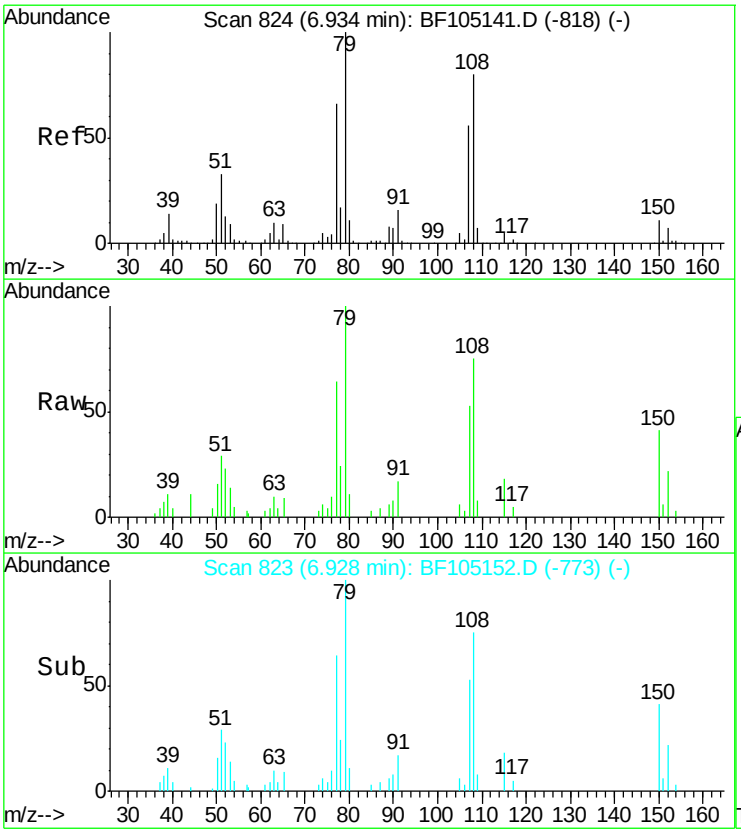
#14
1,2-Dichlorobenzene
Concen: 1.081 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:146 Resp: 16795

Ion	Ratio	Lower	Upper
146	100		
148	68.7	50.6	75.8
111	47.4	36.0	54.0

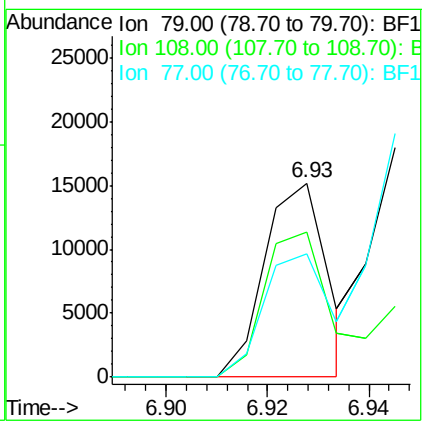


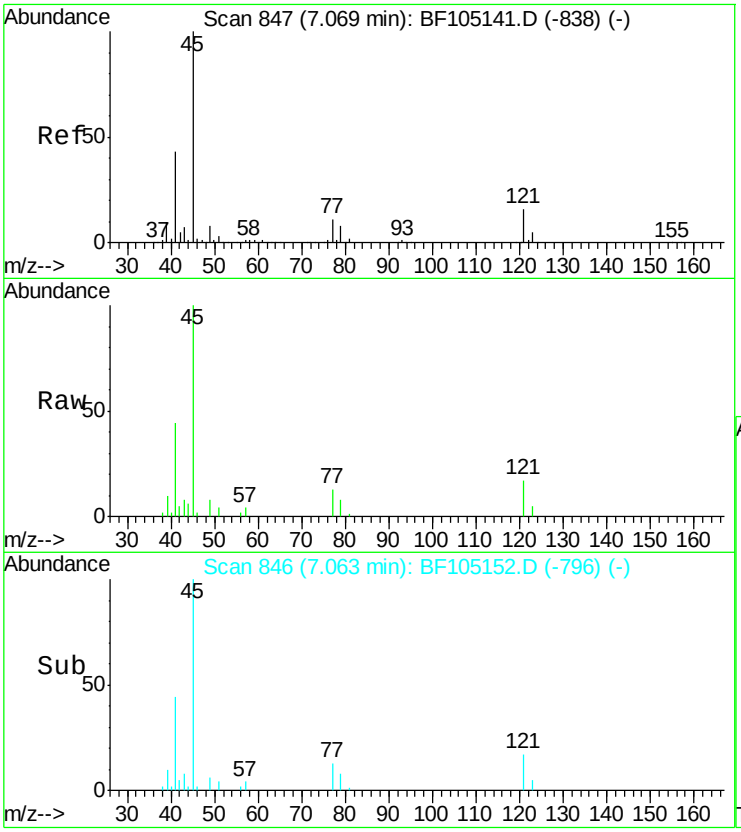


#15
Benzyl Alcohol
Concen: 1.076 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion: 79 Resp: 12916

Ion	Ratio	Lower	Upper
79	100		
108	74.6	65.1	97.7
77	63.7	50.6	75.8



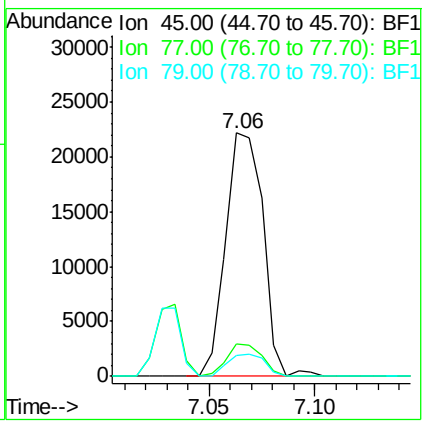


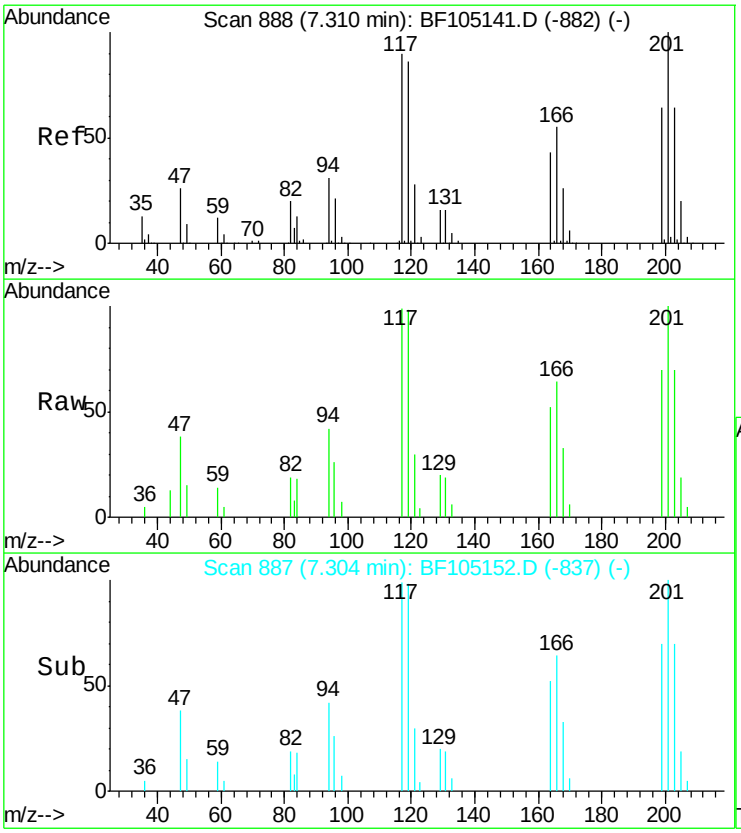
#16
2,2'-oxybis(1-Chloropropane)
Concen: 1.011 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion: 45 Resp: 27031

Ion	Ratio	Lower	Upper
45	100		
77	13.1	0.0	32.9
79	8.5	0.0	29.6

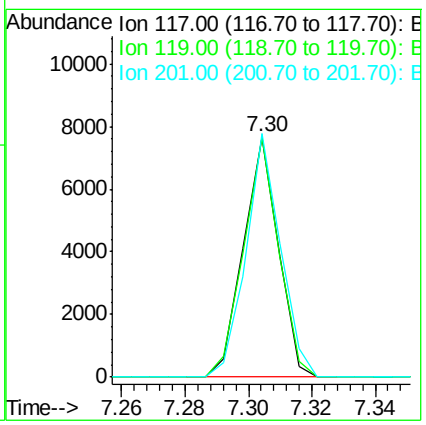


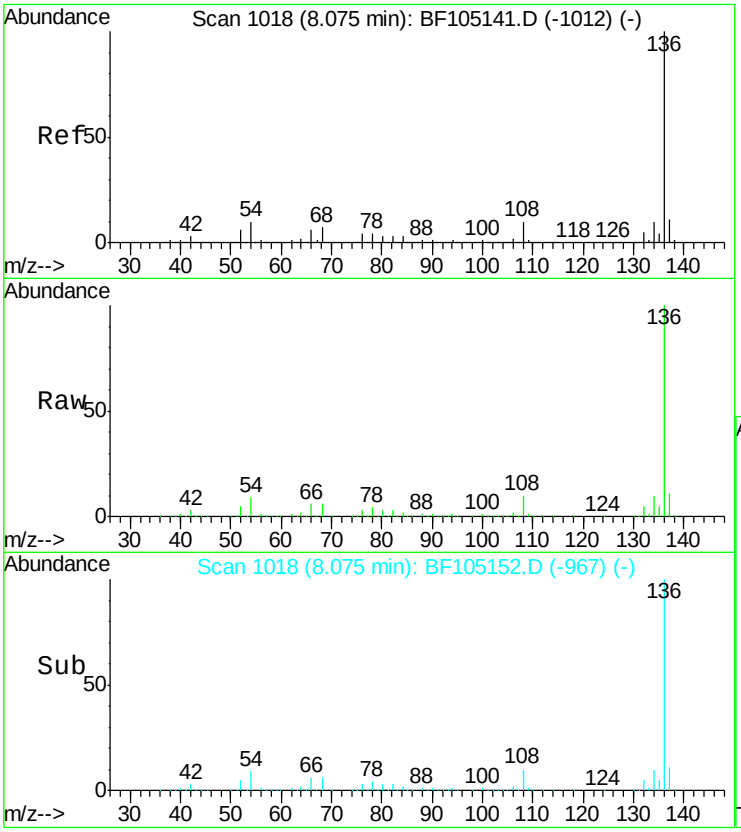


#18
Hexachloroethane
Concen: 1.074 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:117 Resp: 5820

Ion	Ratio	Lower	Upper
117	100		
119	99.8	75.8	113.8
201	101.5	75.7	113.5



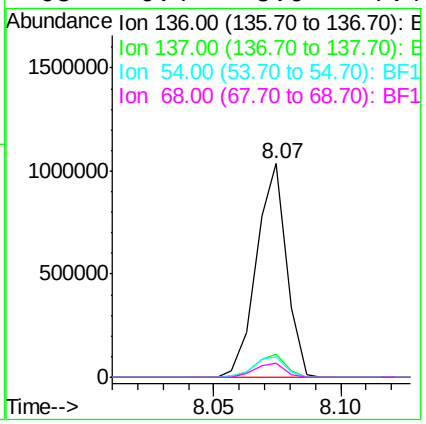


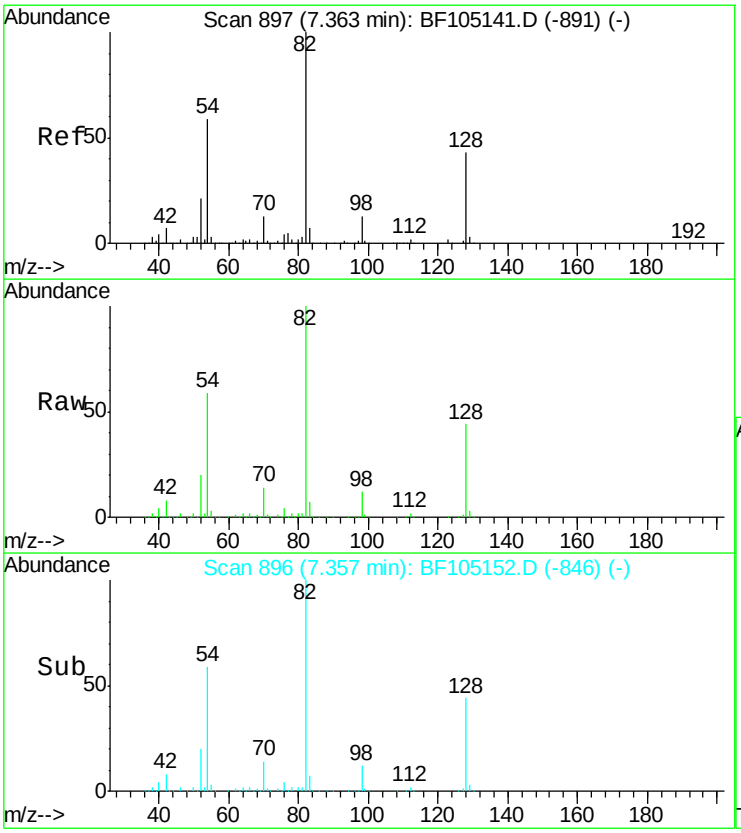
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:136 Resp: 852184

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.5	6.6	9.8
68	6.4	5.0	7.4

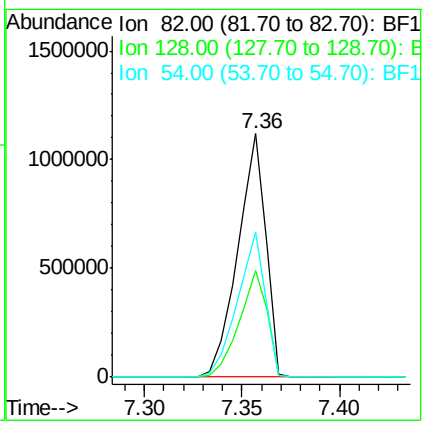


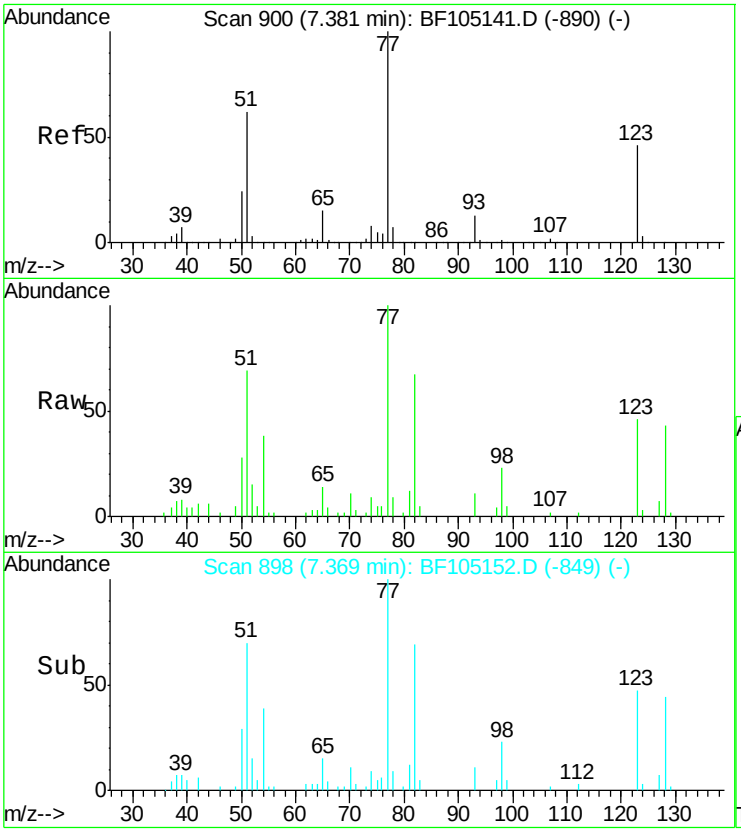


#23
Nitrobenzene-d5
Concen: 88.166 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion: 82 Resp: 1108601

Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.1	54.1
54	59.4	41.4	62.2



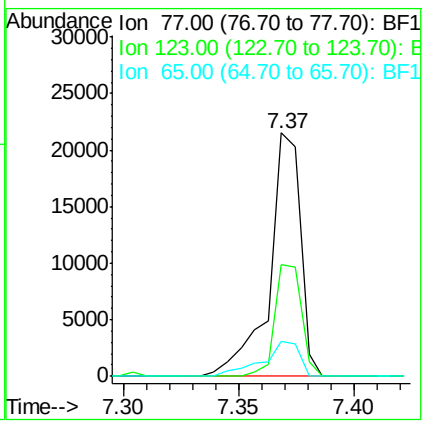


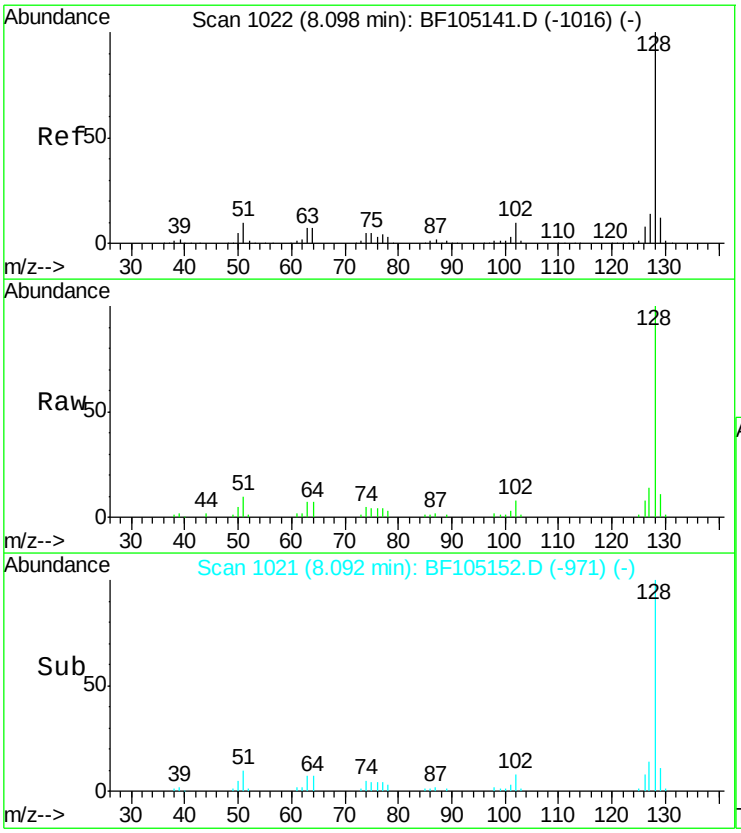
#24
Nitrobenzene
Concen: 1.410 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion: 77 Resp: 20101

Ion	Ratio	Lower	Upper
77	100		
123	46.1	37.9	56.9
65	14.3	11.0	16.4

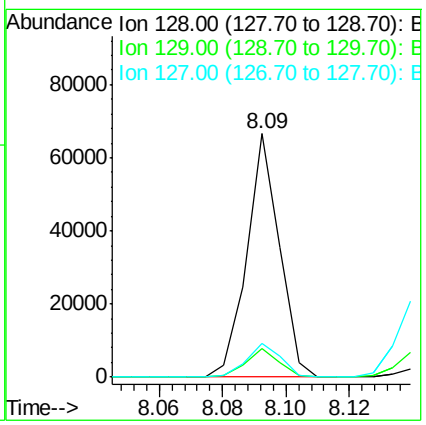


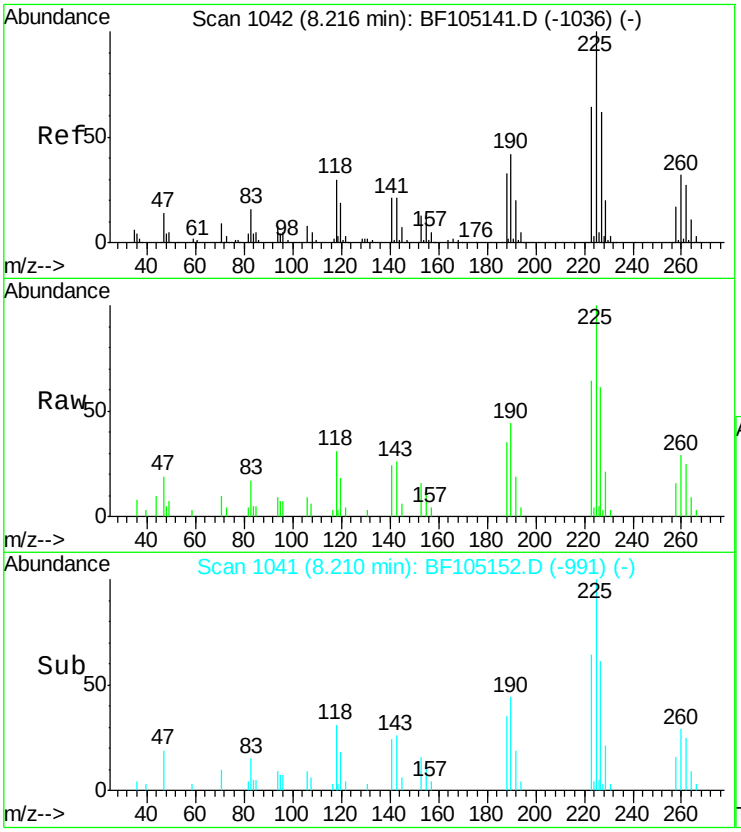


#31
Naphthalene
Concen: 1.153 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:128 Resp: 47314

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	13.6	10.9	16.3



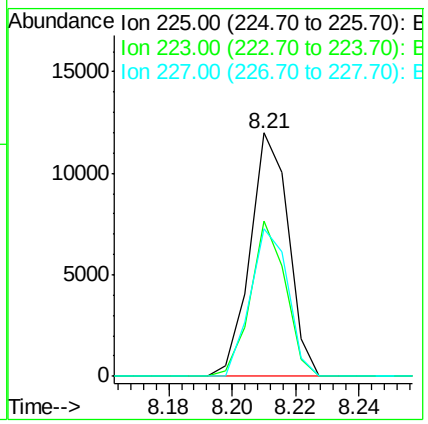


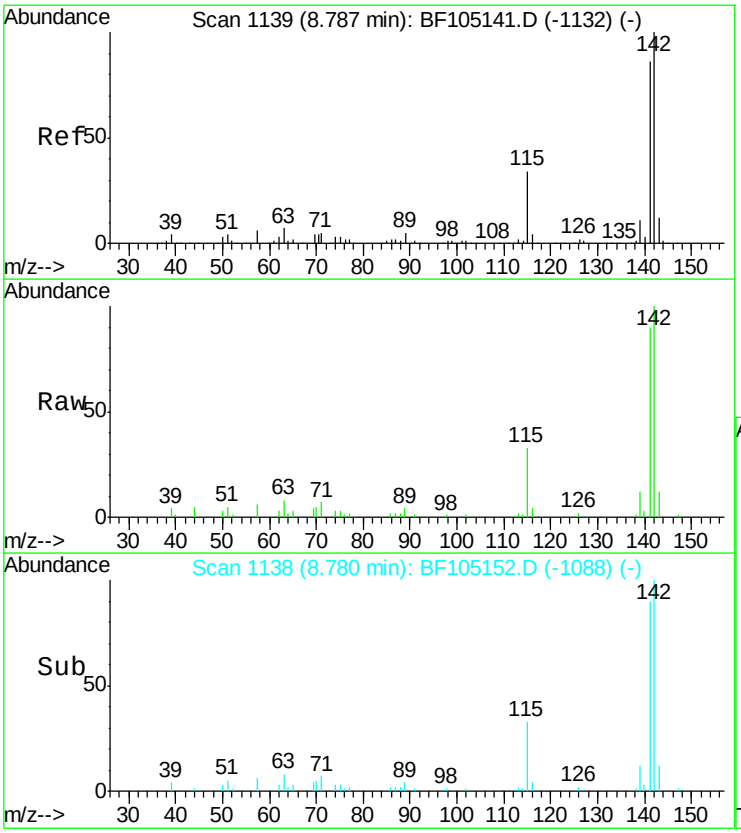
#34
Hexachlorobutadiene
Concen: 1.284 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:225 Resp: 10032

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.6	76.0
227	60.9	51.9	77.9

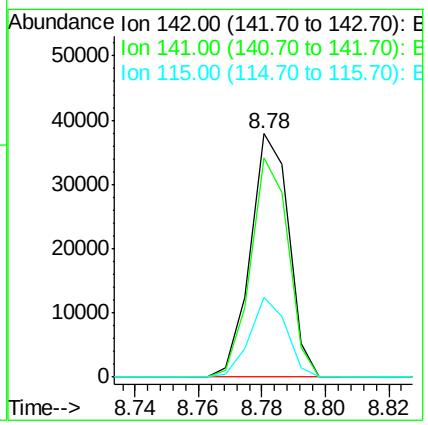


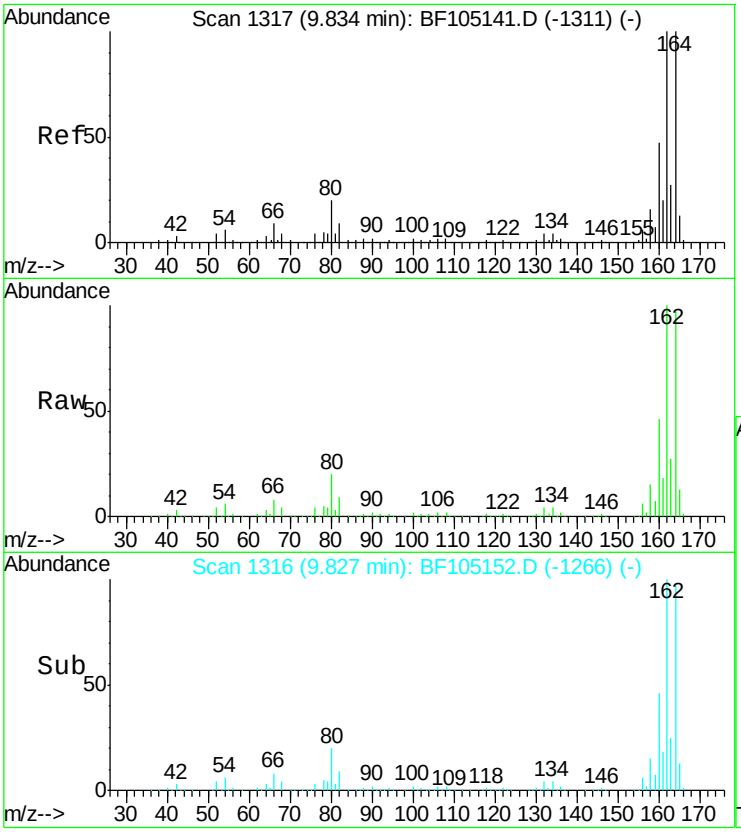


#37
2-Methylnaphthalene
Concen: 1.115 ng
RT: 8.78 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:142 Resp: 31896

Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.8	106.2
115	32.5	26.1	39.1



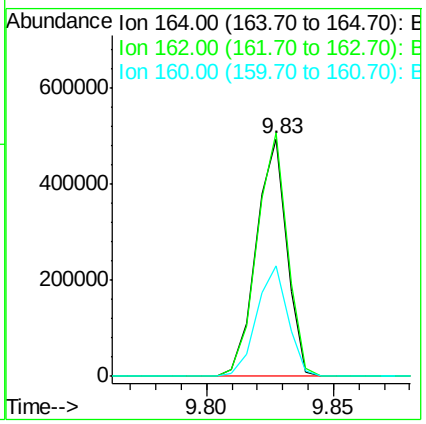


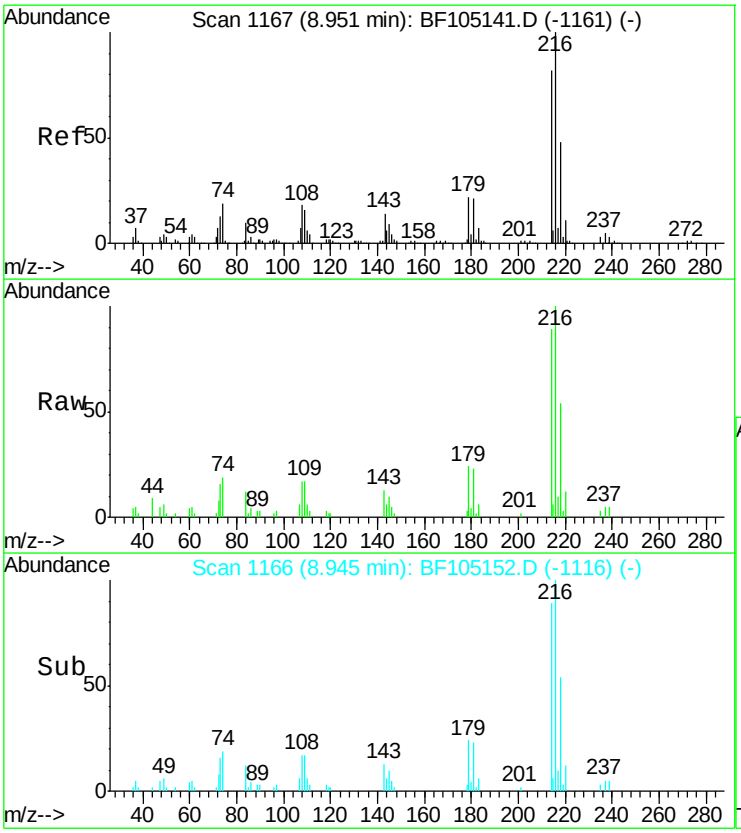
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:164 Resp: 418605

Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	46.8	38.3	57.5

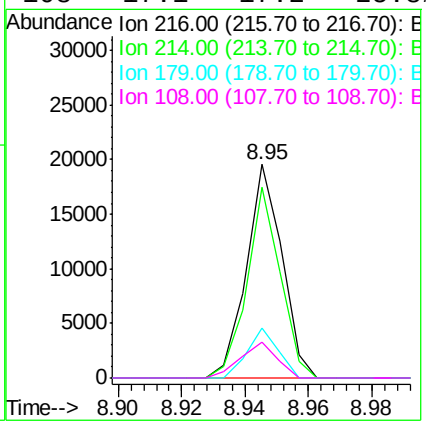


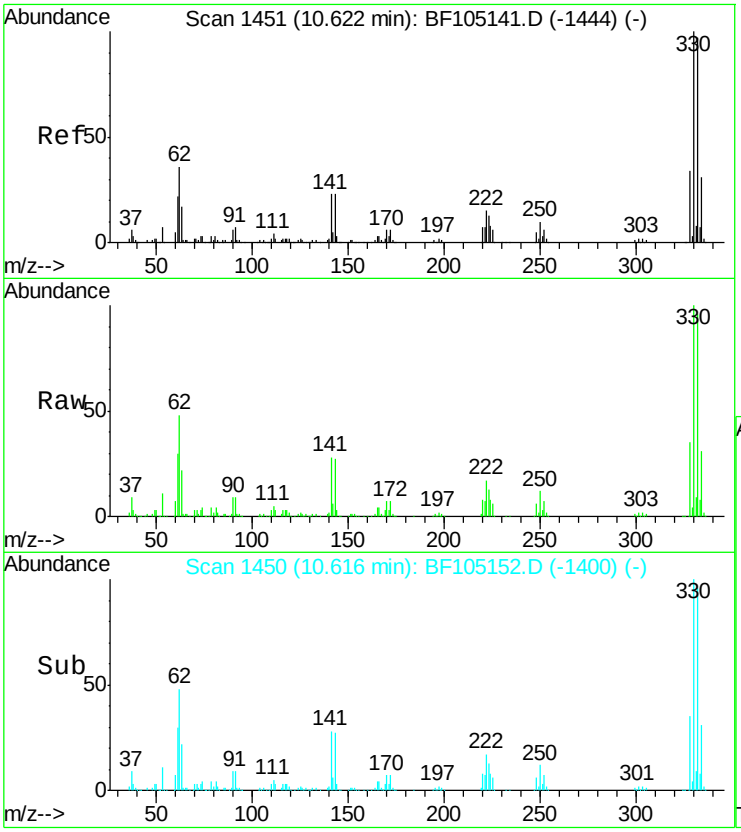


#39
1,2,4,5-Tetrachlorobenzene
Concen: 1.142 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:216 Resp: 15211

Ion	Ratio	Lower	Upper
216	100		
214	83.6	63.0	94.4
179	20.1	18.1	27.1
108	17.1	17.2	25.8#



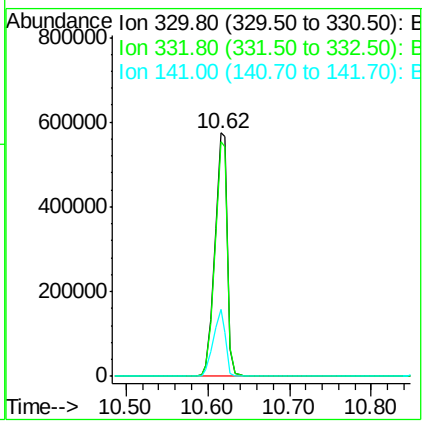


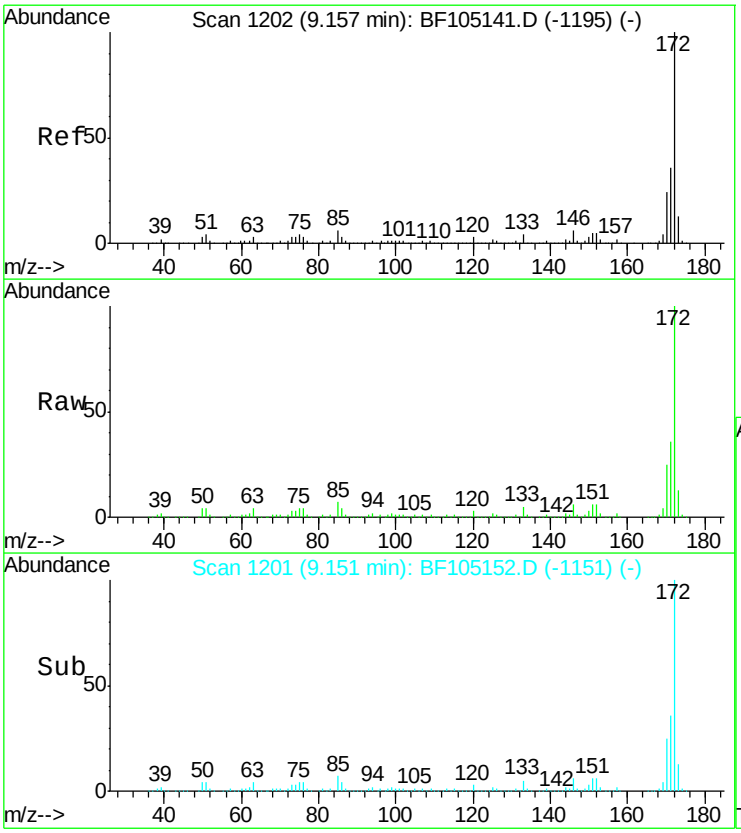
#41
2,4,6-Tribromophenol
Concen: 132.812 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:330 Resp: 613376

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	26.9	29.9	44.9#

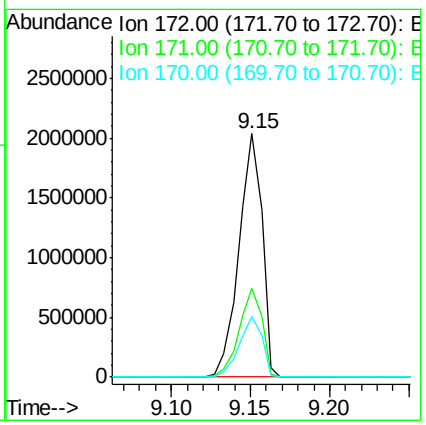


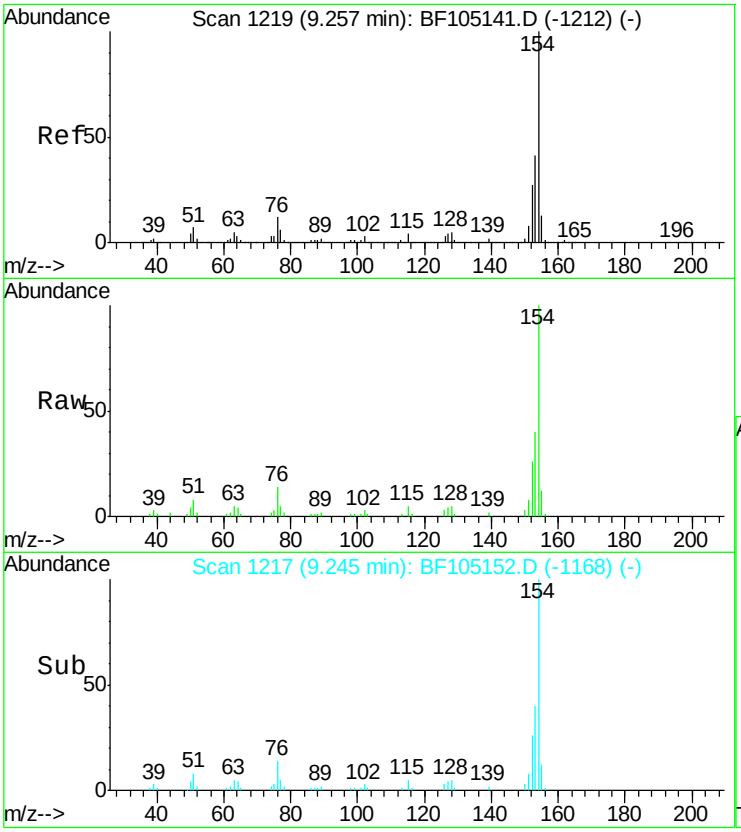


#44
2-Fluorobiphenyl
Concen: 75.778 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:172 Resp: 2043743

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.8	19.6	29.4



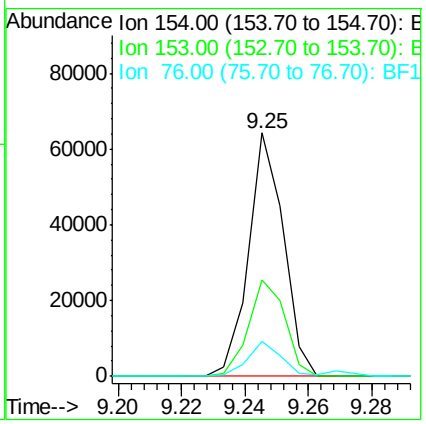


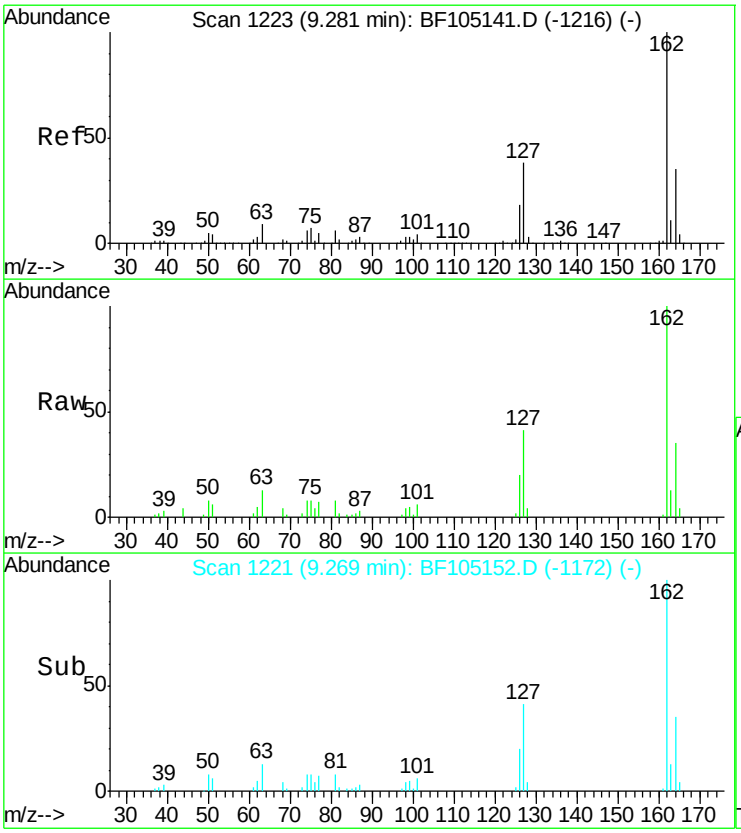
#45
1,1'-Biphenyl
Concen: 1.437 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:154 Resp: 49003

Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.3	61.3
76	14.3	0.0	34.0

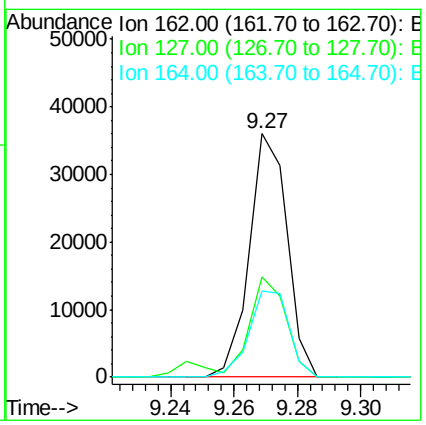


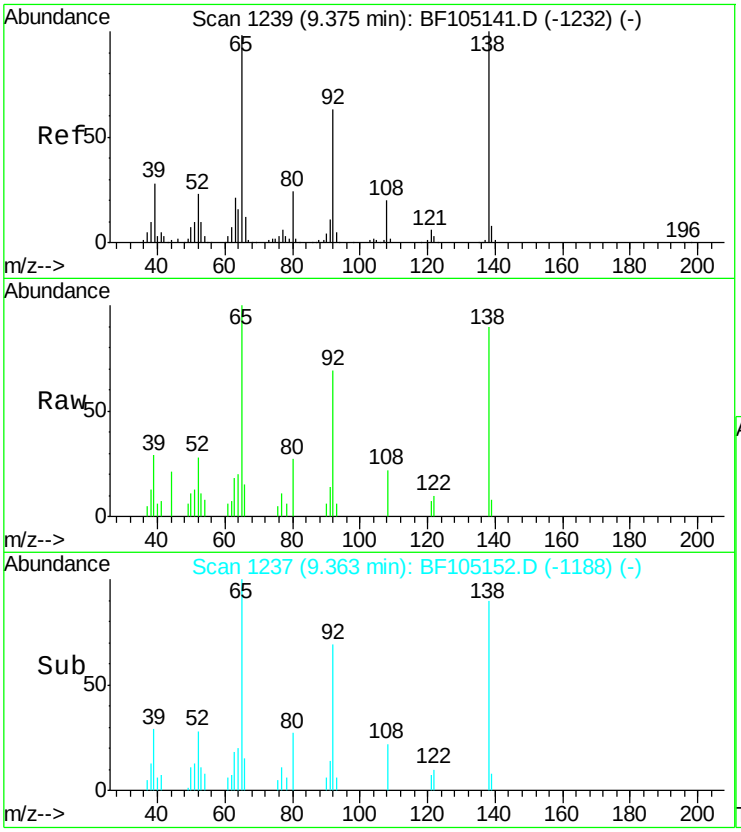


#46
2-Chloronaphthalene
Concen: 1.172 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:162 Resp: 29868

Ion	Ratio	Lower	Upper
162	100		
127	41.0	33.9	50.9
164	35.3	26.5	39.7



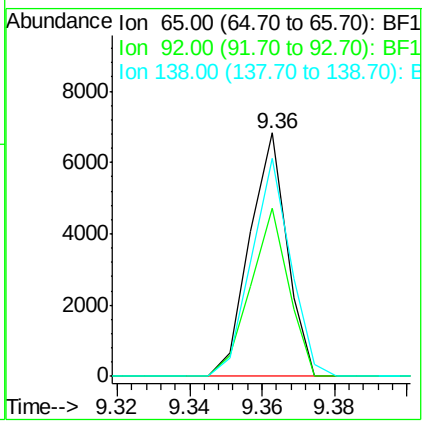


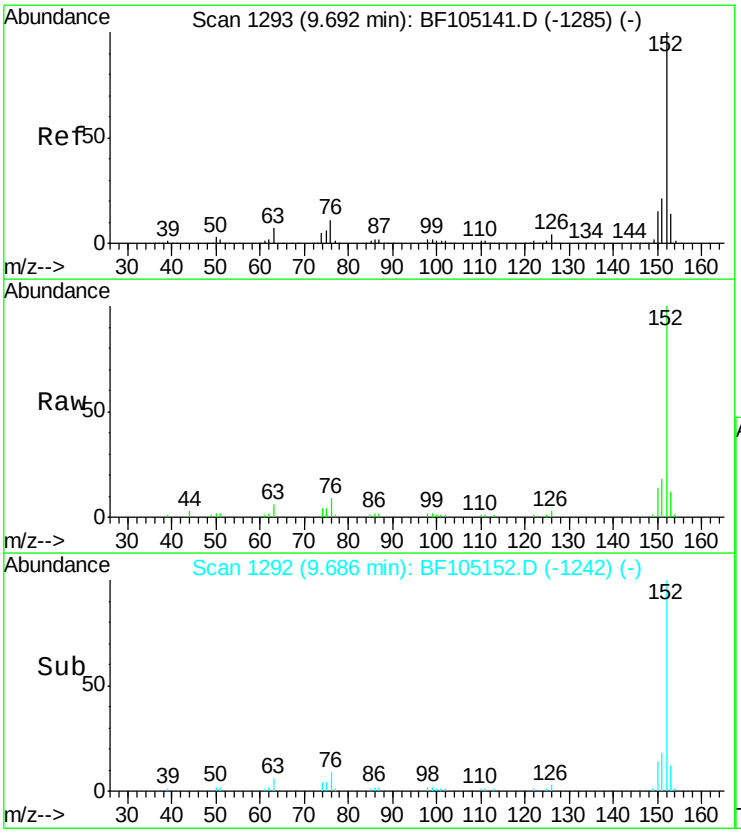
#47
2-Nitroaniline
Concen: 6.381 ng
RT: 9.36 min Scan# 1237
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion: 65 Resp: 4864

Ion	Ratio	Lower	Upper
65	100		
92	68.9	55.8	83.6
138	89.6	91.2	136.8#

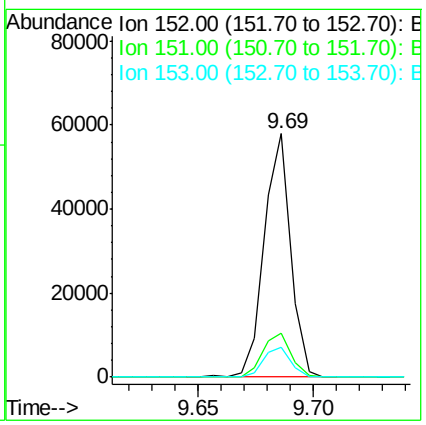


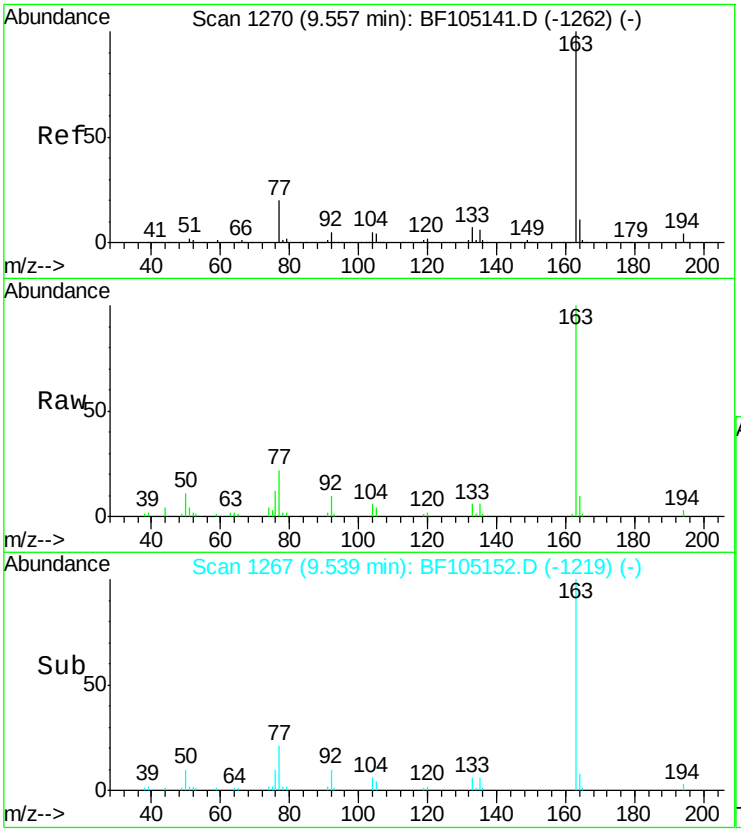


#48
Acenaphthylene
Concen: 1.175 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:152 Resp: 46265

Ion	Ratio	Lower	Upper
152	100		
151	18.1	16.3	24.5
153	12.2	10.7	16.1



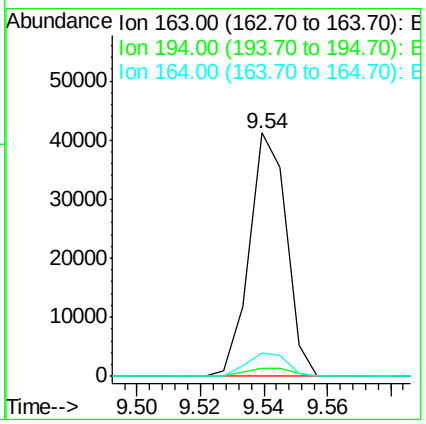


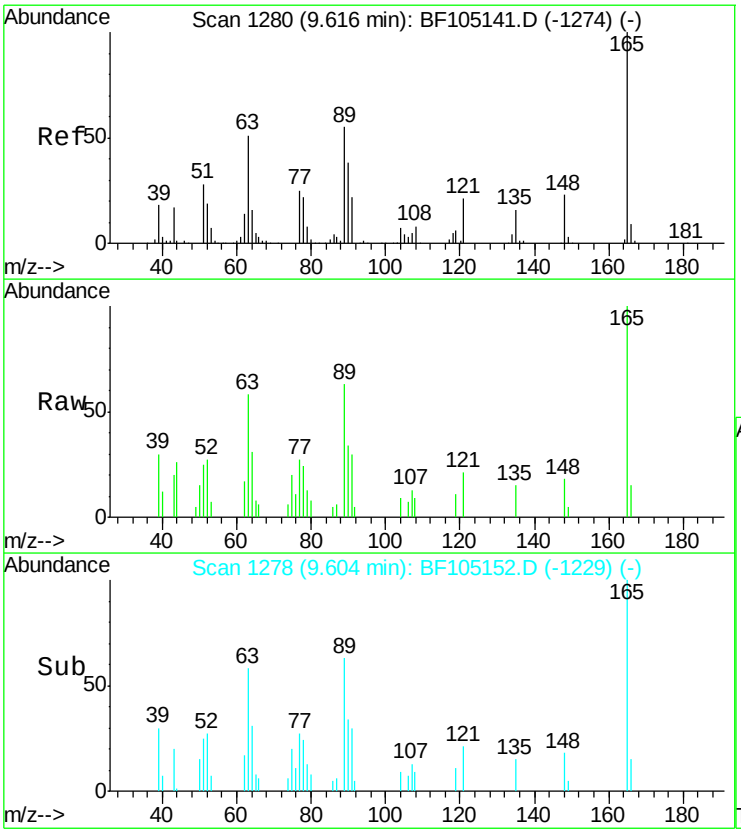
#49
Dimethylphthalate
Concen: 1.181 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:163 Resp: 33459

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	9.8	8.2	12.2

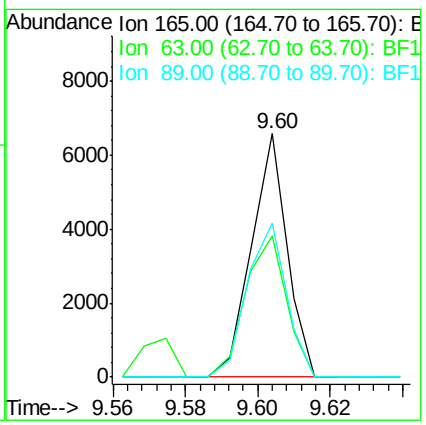


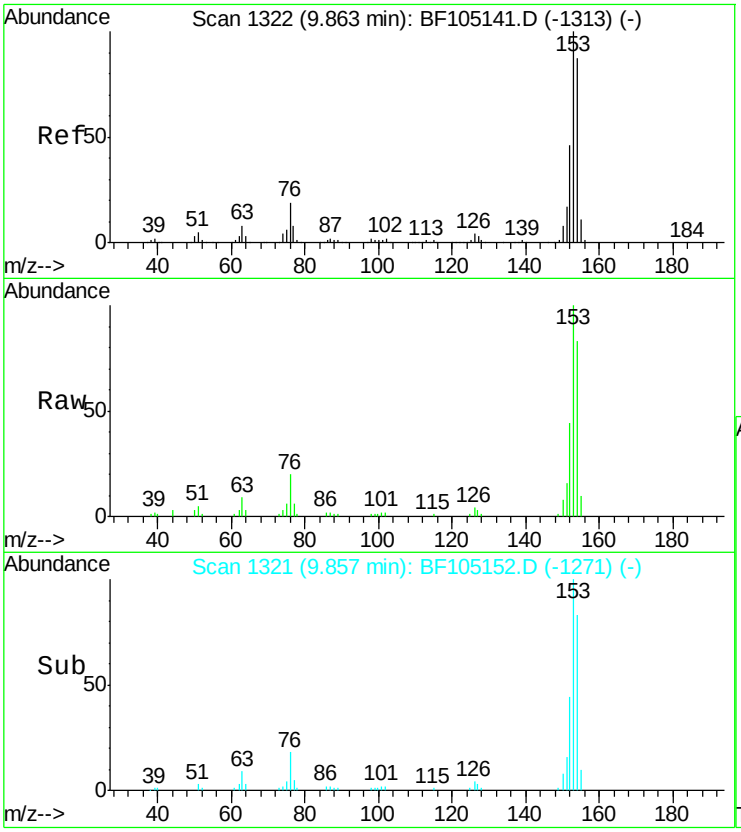


#50
2,6-Dinitrotoluene
Concen: 0.724 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:165 Resp: 4454

Ion	Ratio	Lower	Upper
165	100		
63	58.2	44.7	67.1
89	63.5	44.0	66.0



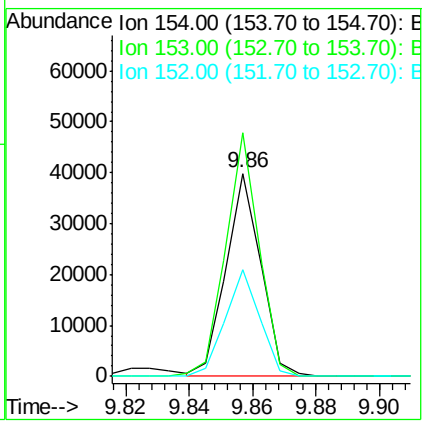


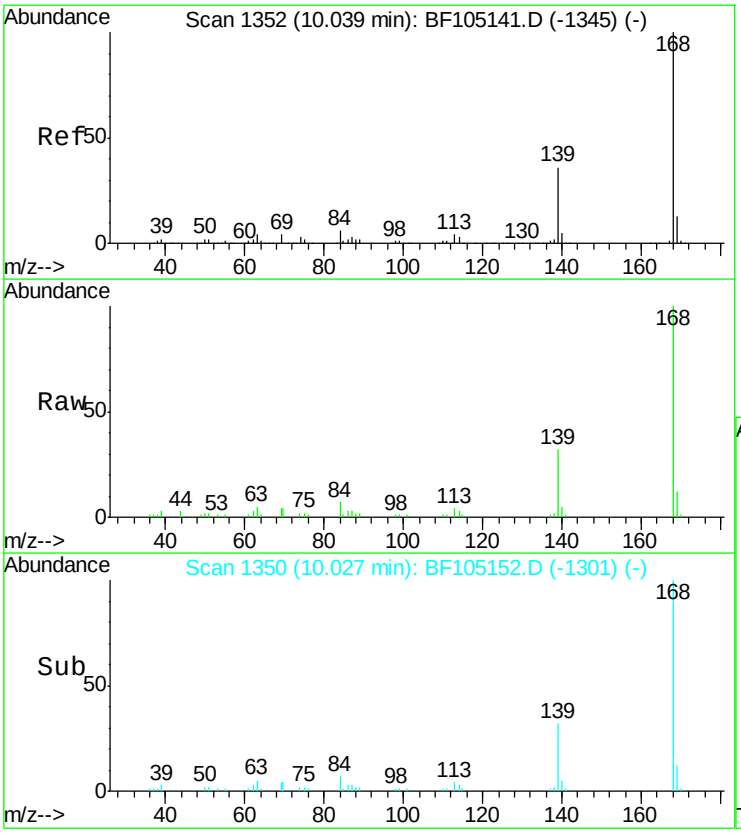
#51
Acenaphthene
Concen: 1.190 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:154 Resp: 30192

Ion	Ratio	Lower	Upper
154	100		
153	120.1	91.2	136.8
152	52.5	43.8	65.8

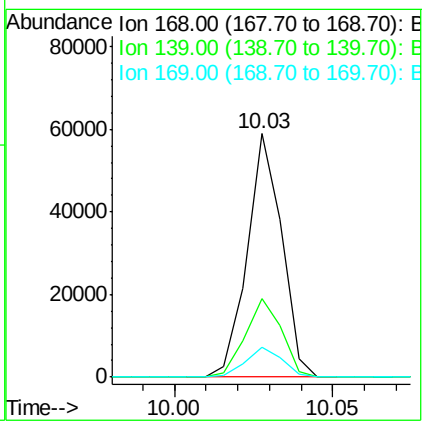


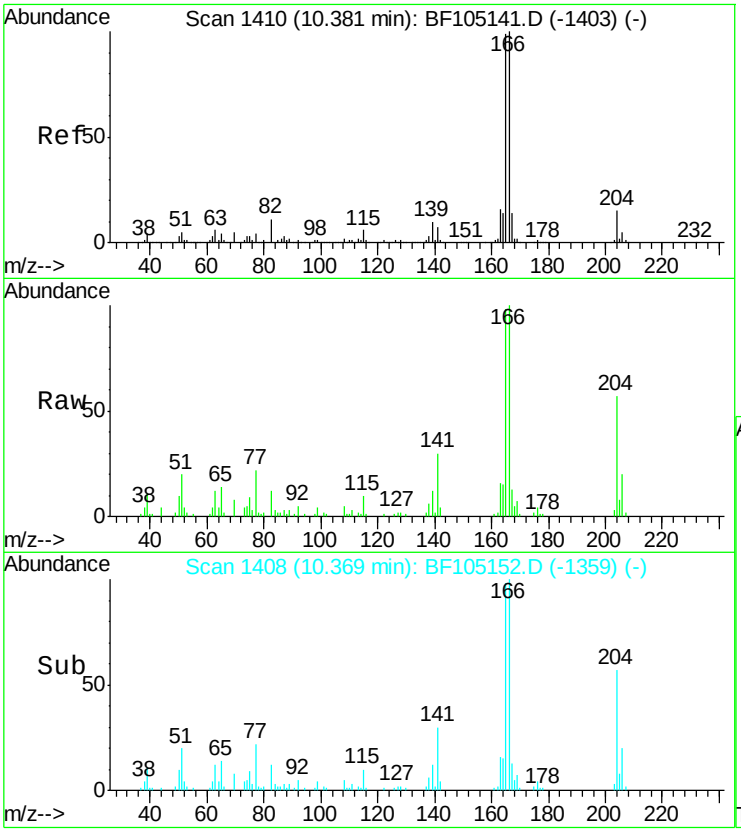


#54
Dibenzofuran
Concen: 1.194 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:168 Resp: 44306

Ion	Ratio	Lower	Upper
168	100		
139	32.1	30.1	45.1
169	12.3	10.9	16.3



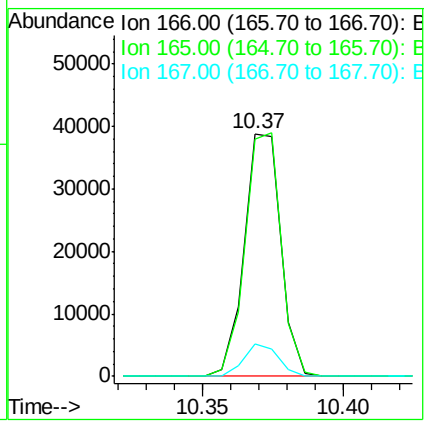


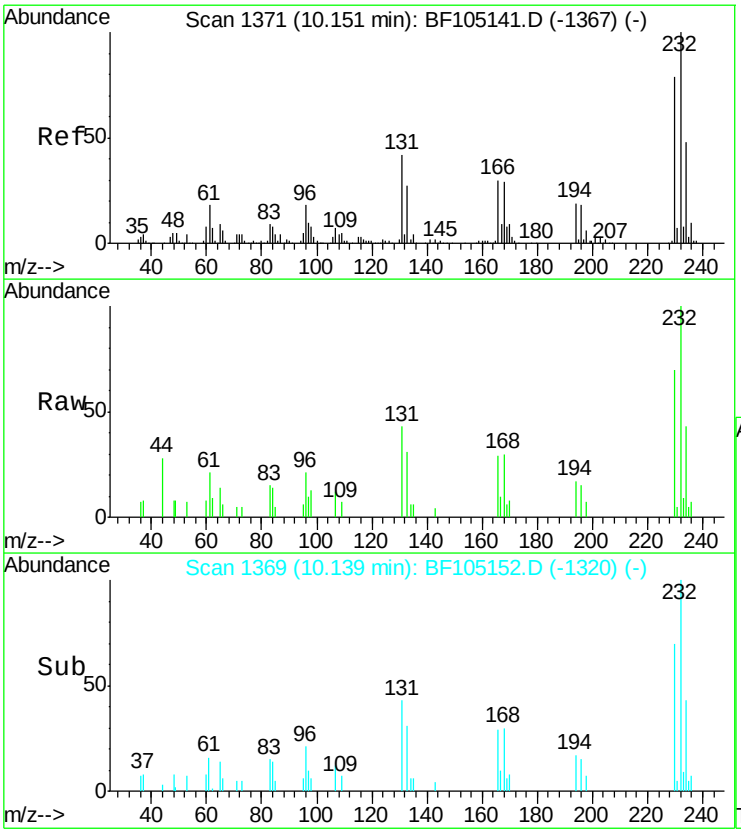
#57
Fluorene
Concen: 1.278 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:166 Resp: 34775

Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.8	119.8
167	13.2	10.6	16.0

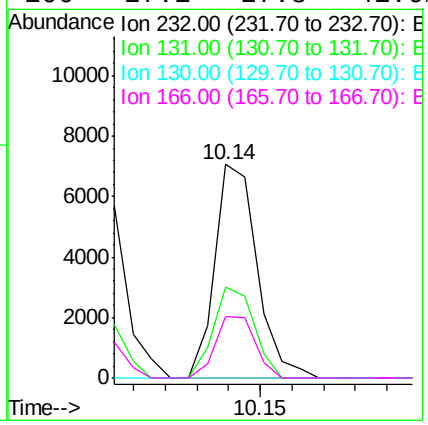


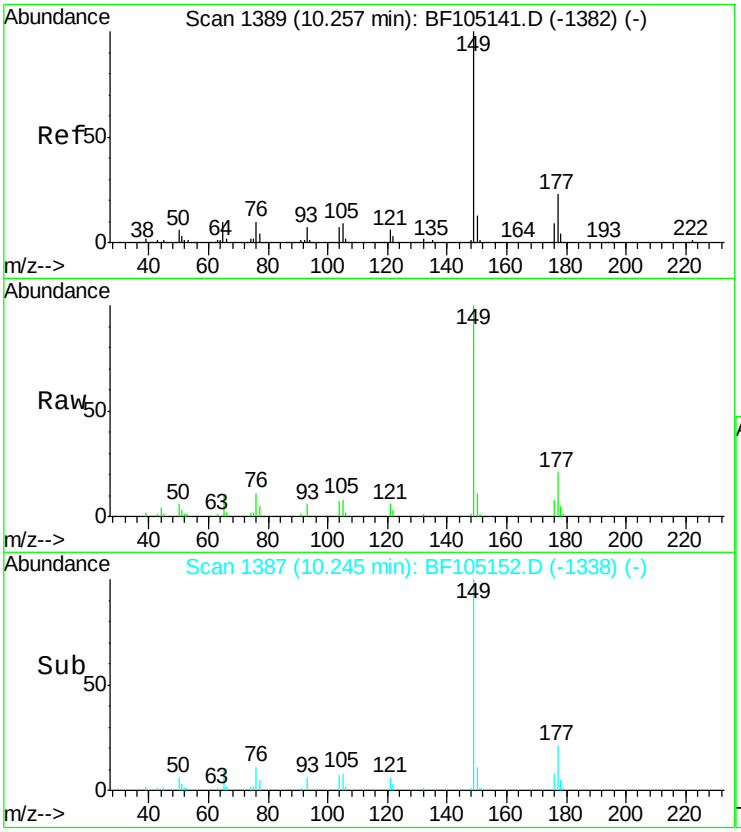


#58
2,3,4,6-Tetrachlorophenol
Concen: 0.860 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:232 Resp: 6521

Ion	Ratio	Lower	Upper
232	100		
131	40.8	43.8	65.8#
130	0.0	2.1	3.1#
166	27.1	27.8	41.6#



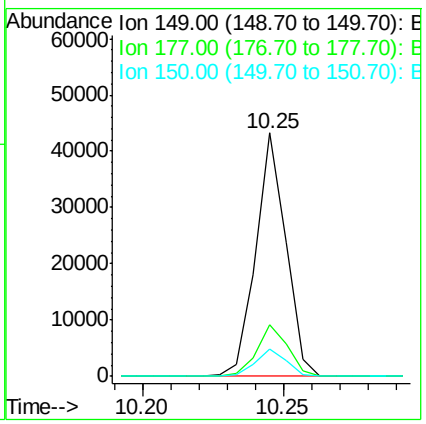


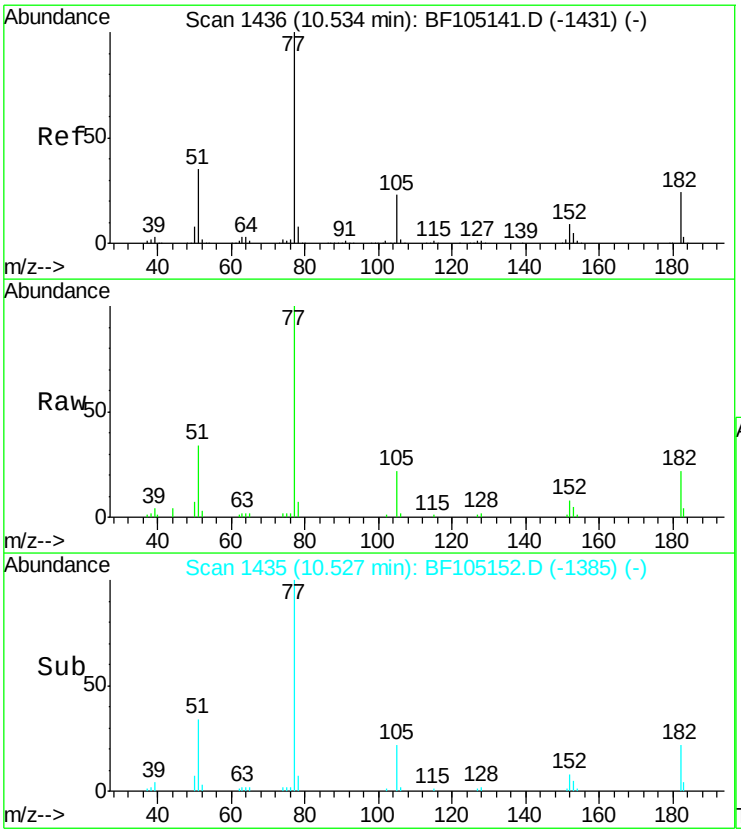
#59
Diethylphthalate
Concen: 1.148 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:149 Resp: 31983

Ion	Ratio	Lower	Upper
149	100		
177	21.3	16.1	24.1
150	11.3	10.1	15.1

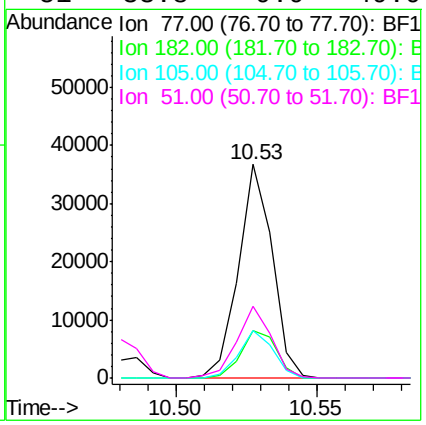


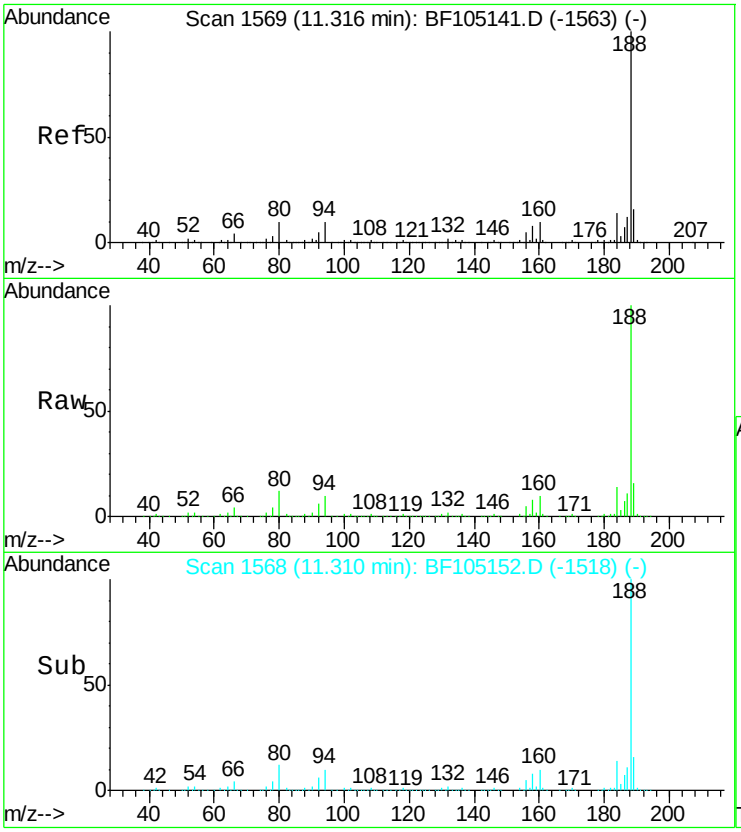


#62
Azobenzene
Concen: 1.052 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion: 77 Resp: 30564

Ion	Ratio	Lower	Upper
77	100		
182	22.0	1.7	41.7
105	22.5	3.0	43.0
51	33.8	9.9	49.9



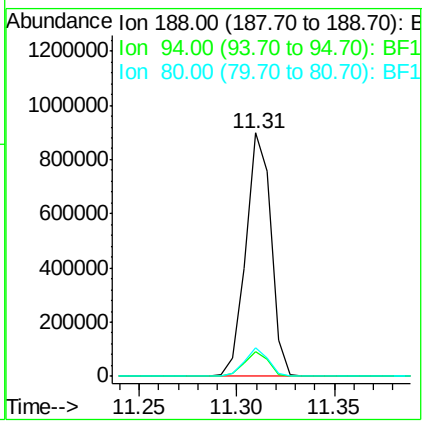


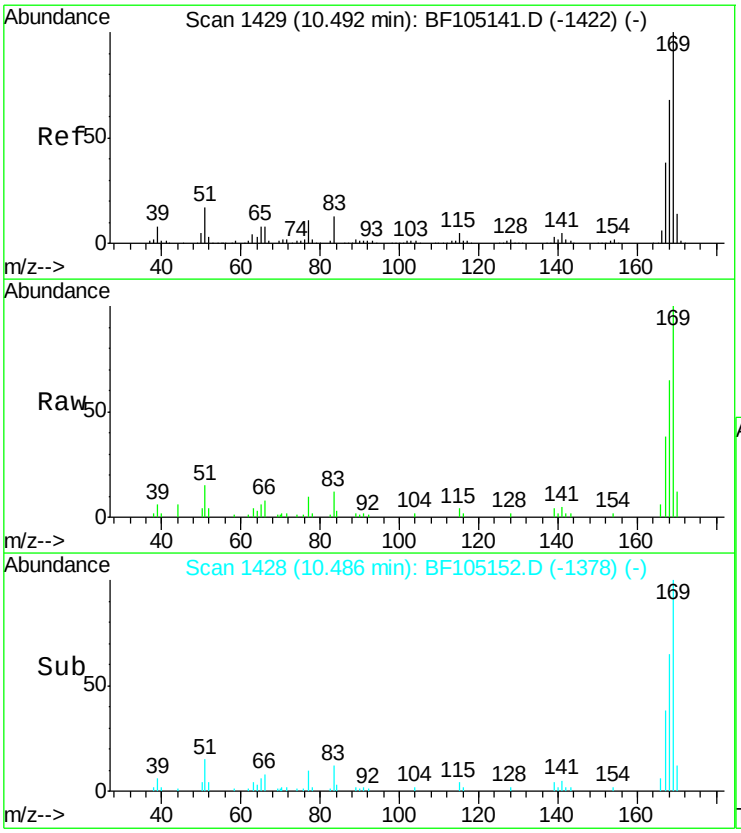
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:188 Resp: 801580

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	11.6	9.2	13.8

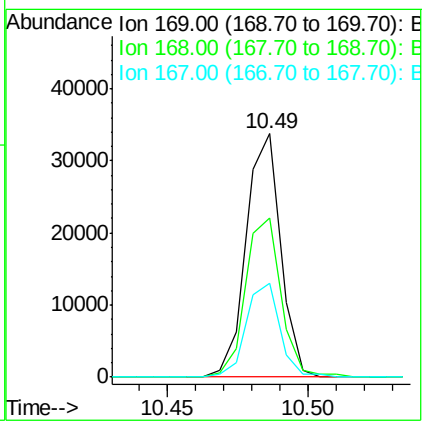


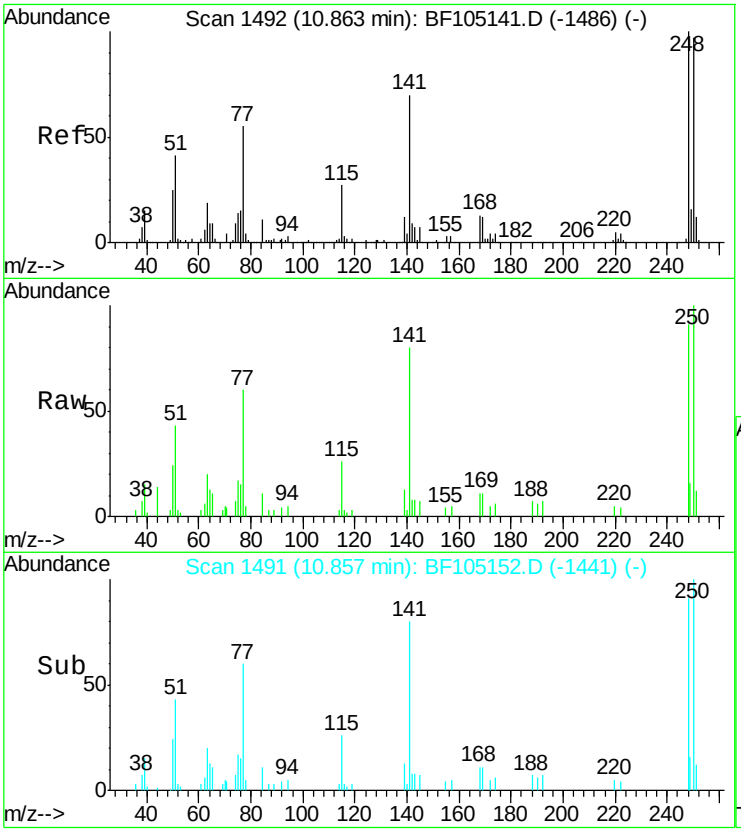


#65
n-Nitrosodiphenylamine
Concen: 1.147 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:169 Resp: 28652

Ion	Ratio	Lower	Upper
169	100		
168	65.5	54.4	81.6
167	38.5	29.8	44.6



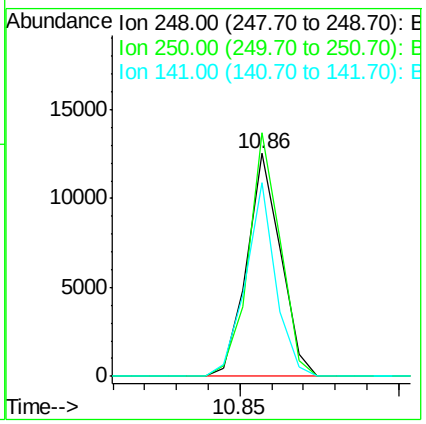


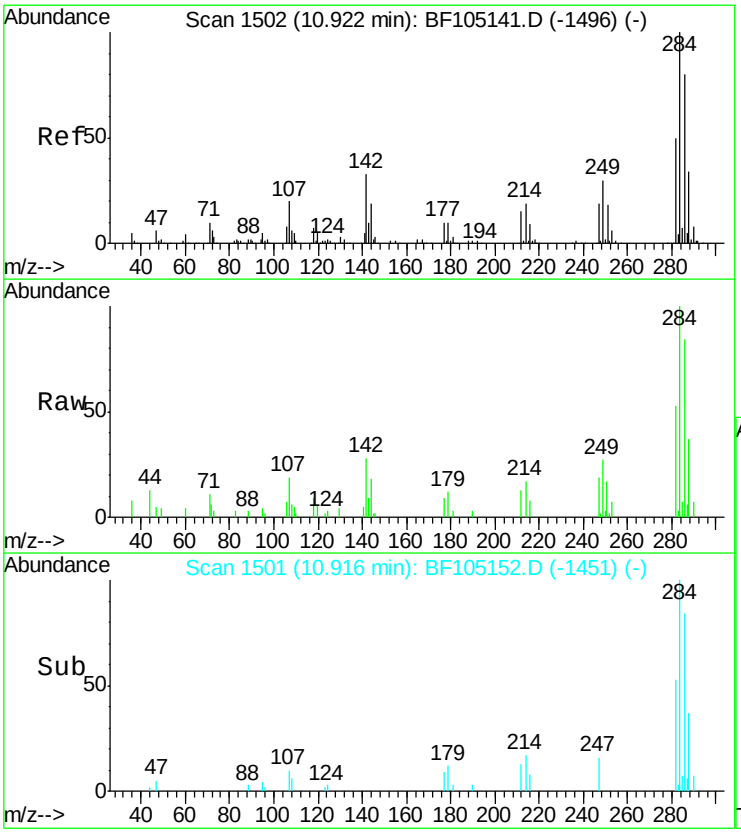
#66
4-Bromophenyl-phenylether
Concen: 1.085 ng
RT: 10.86 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:248 Resp: 9275

Ion	Ratio	Lower	Upper
248	100		
250	109.3	76.9	115.3
141	87.2	74.4	111.6

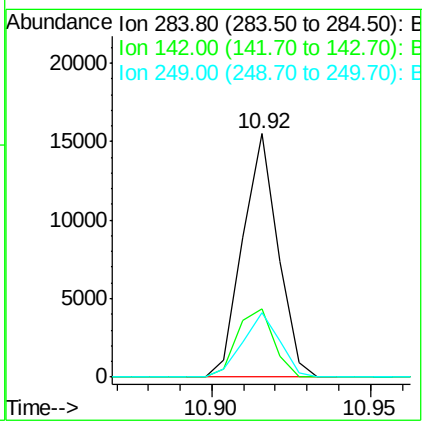


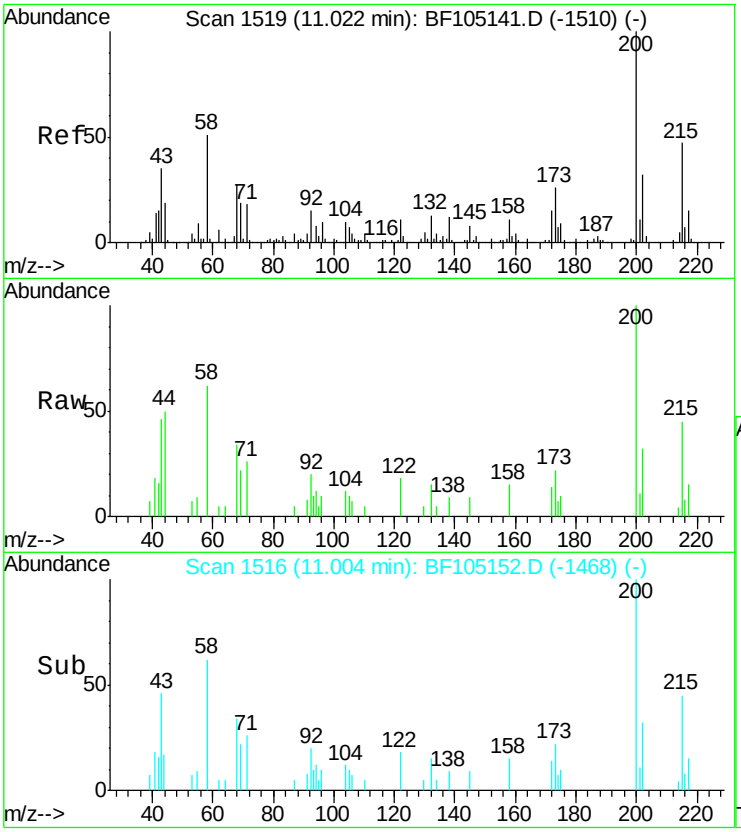


#67
Hexachlorobenzene
Concen: 1.212 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:284 Resp: 11935

Ion	Ratio	Lower	Upper
284	100		
142	28.1	34.6	52.0#
249	26.6	24.8	37.2



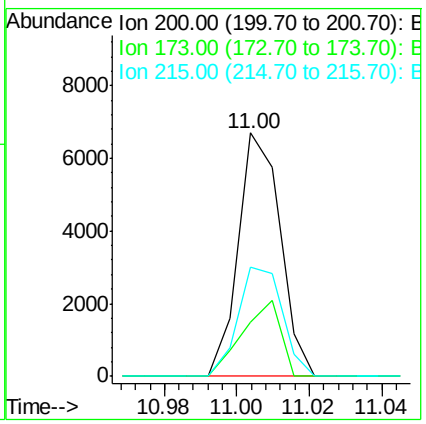


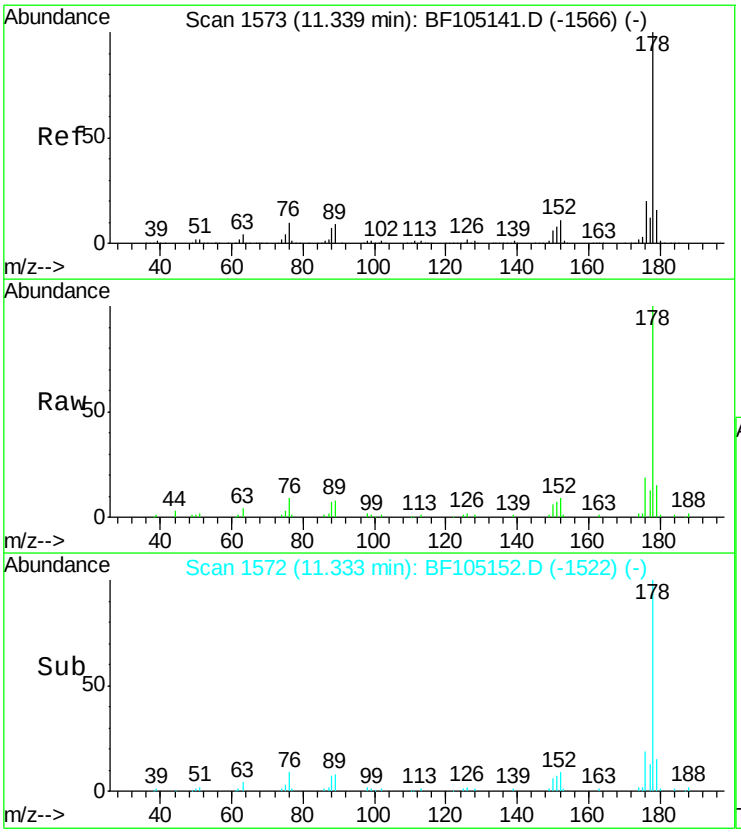
#68
Atrazine
Concen: 0.687 ng
RT: 11.00 min Scan# 1516
Delta R.T. -0.02 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:200 Resp: 5379

Ion	Ratio	Lower	Upper
200	100		
173	22.3	8.6	48.6
215	45.0	25.1	65.1

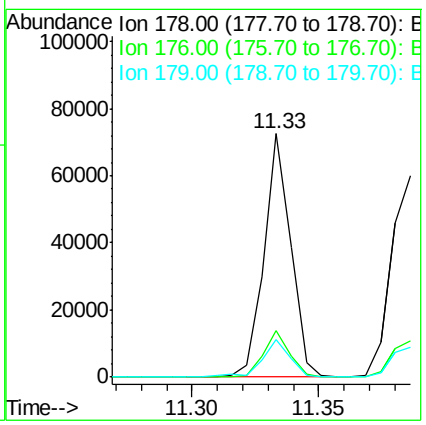


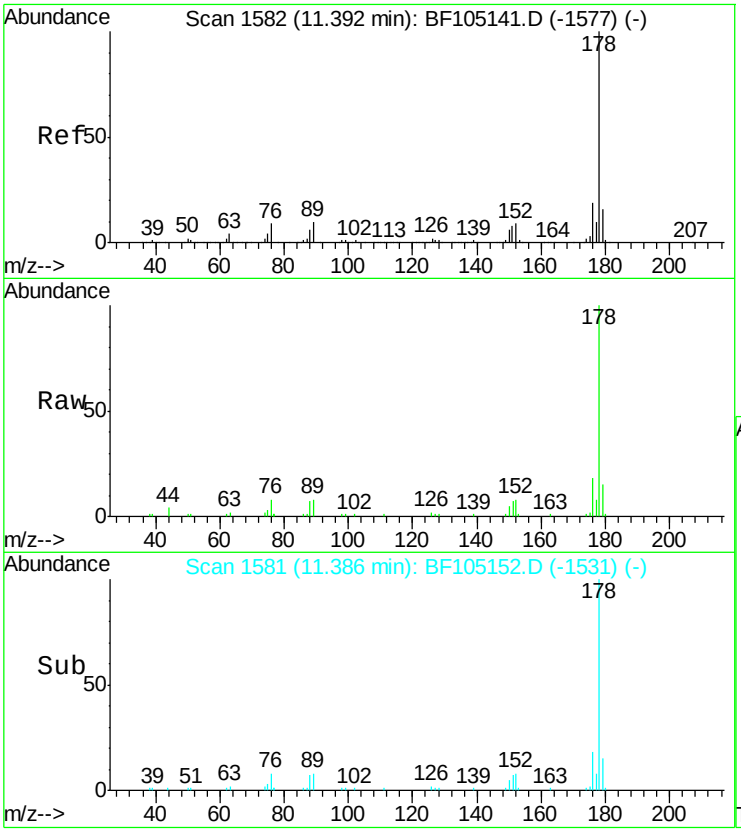


#70
Phenanthrene
Concen: 1.254 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:178 Resp: 53015

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.2	13.0	19.6



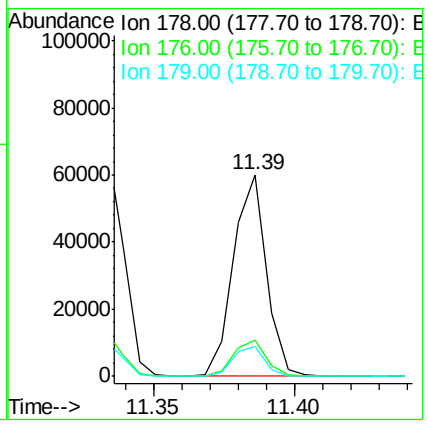


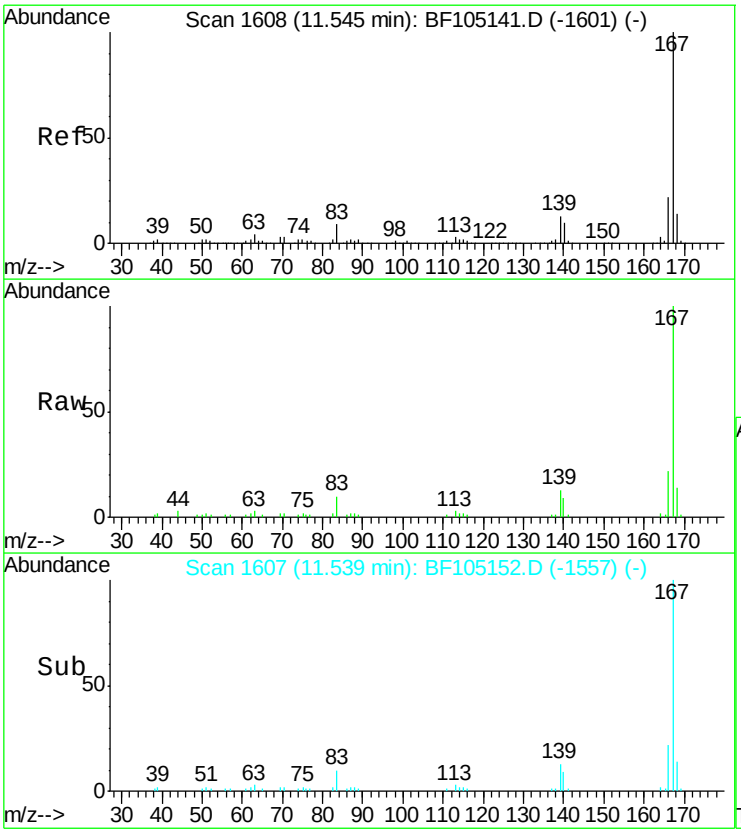
#71
Anthracene
Concen: 1.138 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:178 Resp: 48870

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	14.8	12.6	19.0

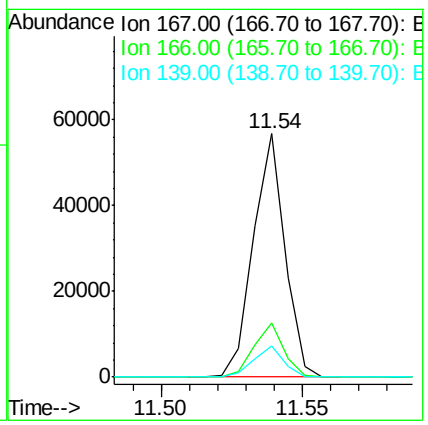


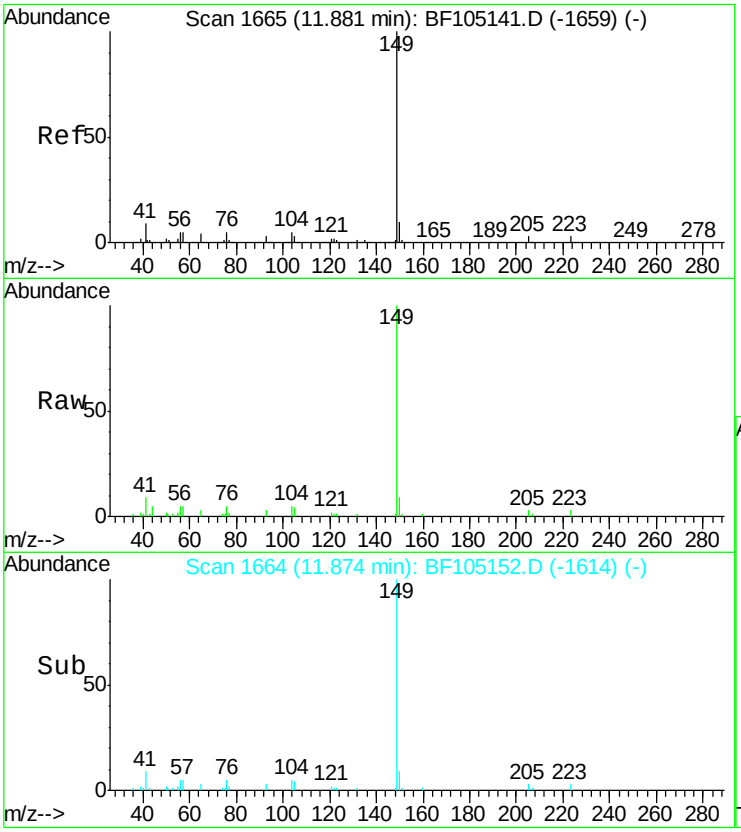


#72
Carbazole
Concen: 1.140 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:167 Resp: 44114

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.6	26.4
139	12.6	10.9	16.3



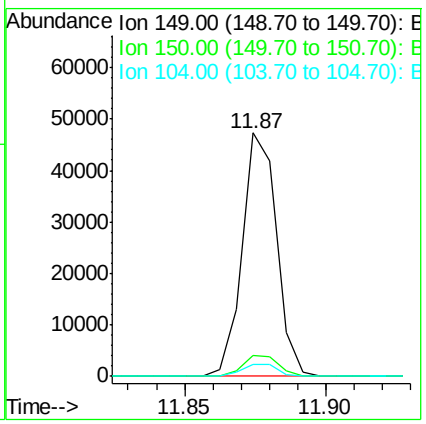


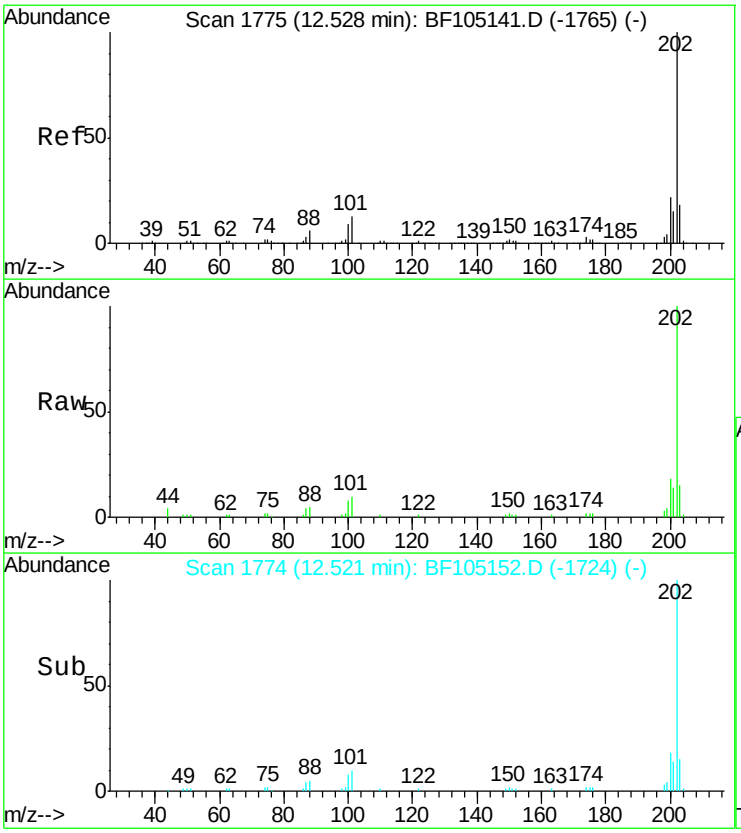
#73
Di-n-butylphthalate
Concen: 0.964 ng
RT: 11.87 min Scan# 1664
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:149 Resp: 39883

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.8	11.6
104	4.7	3.8	5.8

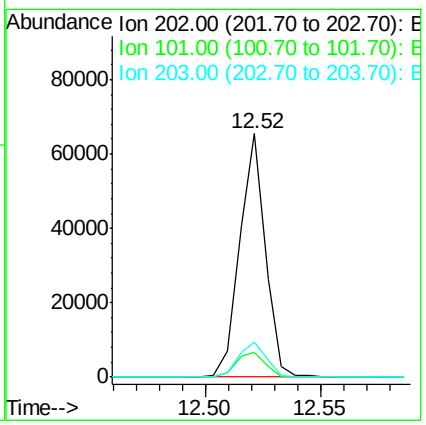


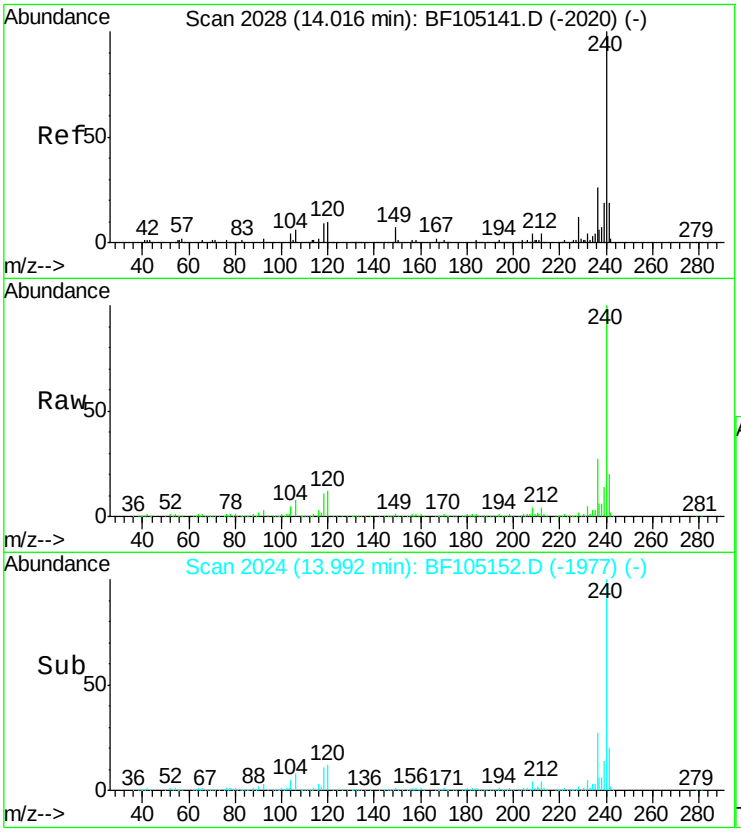


#74
Fluoranthene
Concen: 1.151 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:202 Resp: 50684

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	34.1
203	14.6	0.0	38.1



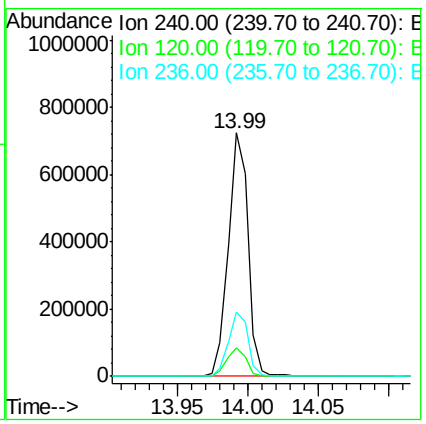


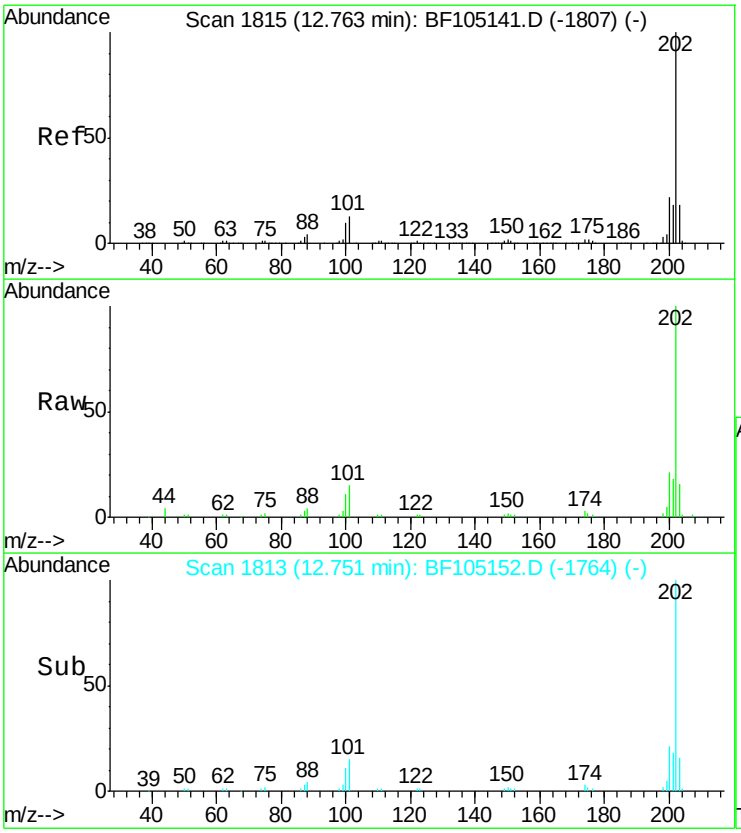
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:240 Resp: 702515

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.5	14.3
236	26.7	20.7	31.1

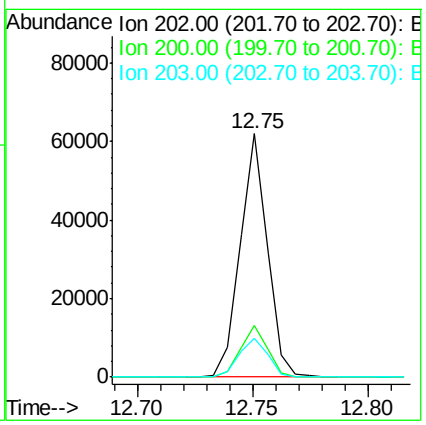


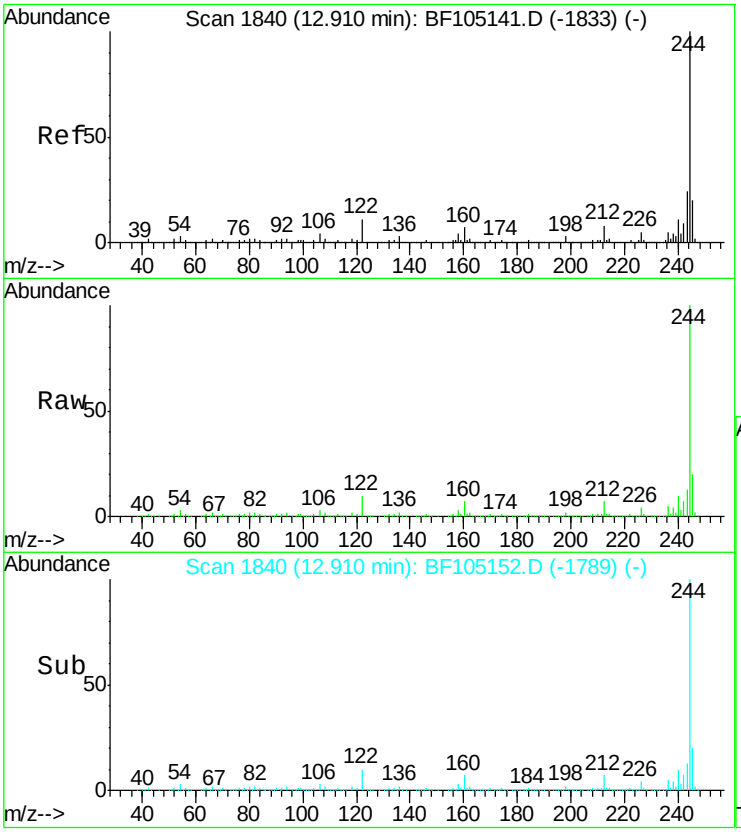


#77
Pyrene
Concen: 1.001 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:202 Resp: 51149

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	16.2	14.3	21.5



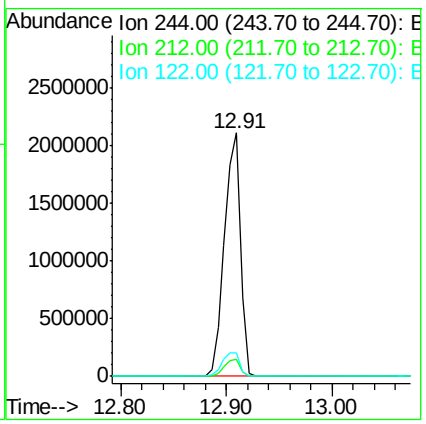


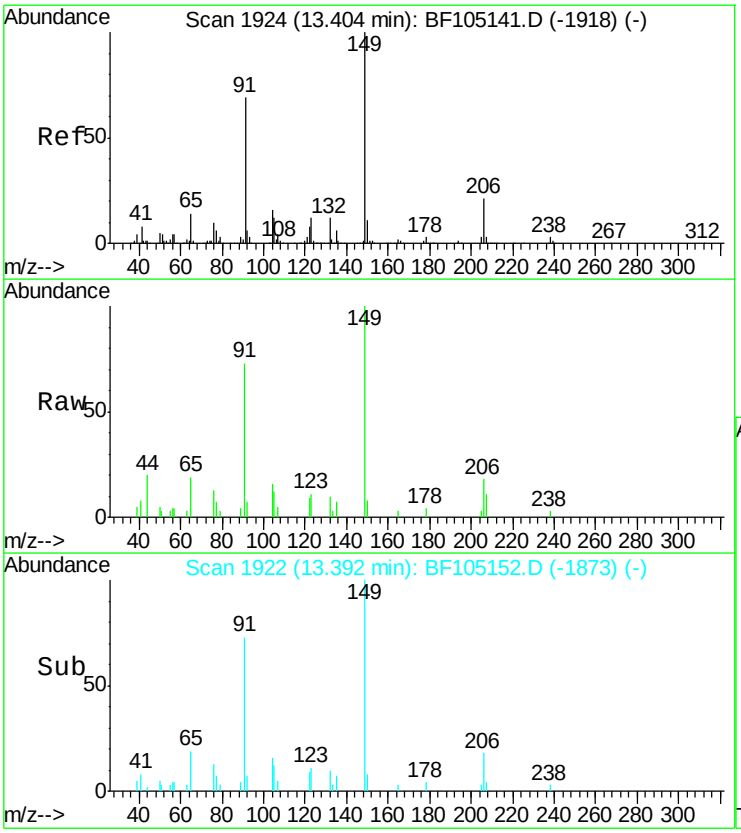
#78
Terphenyl-d14
Concen: 73.916 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:244 Resp: 2235478

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	9.9	11.0	16.4#

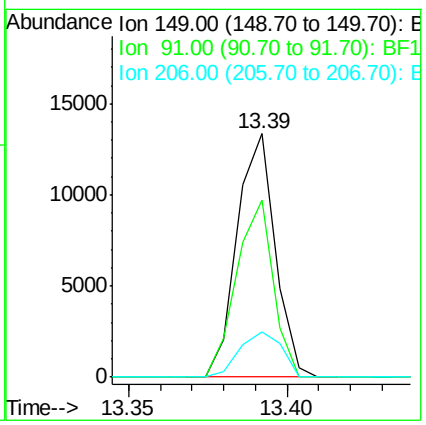


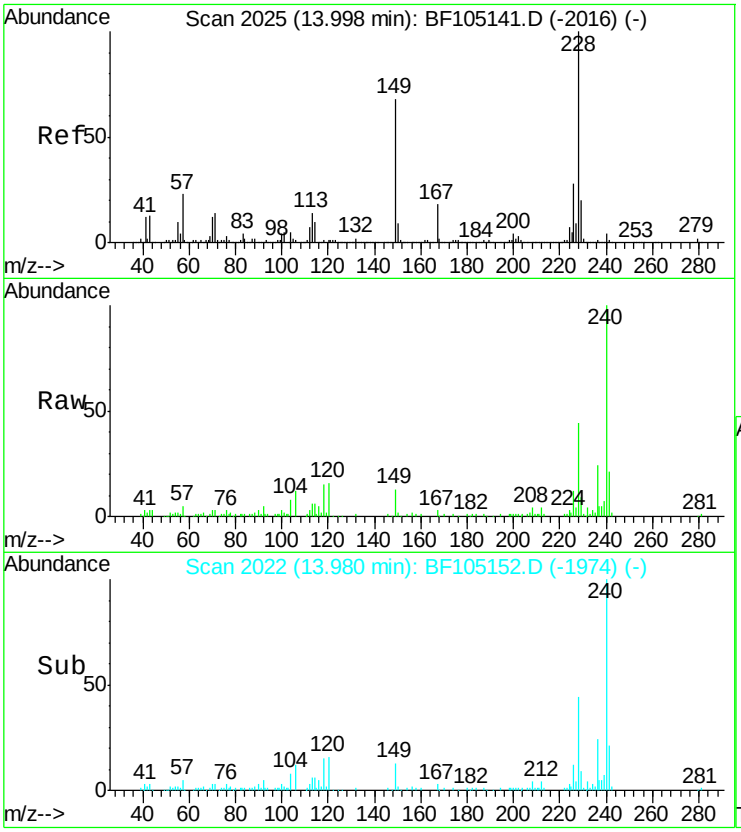


#79
Butylbenzylphthalate
Concen: 7.412 ng
RT: 13.39 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:149 Resp: 11061

Ion	Ratio	Lower	Upper
149	100		
91	72.8	56.8	85.2
206	18.5	14.1	21.1



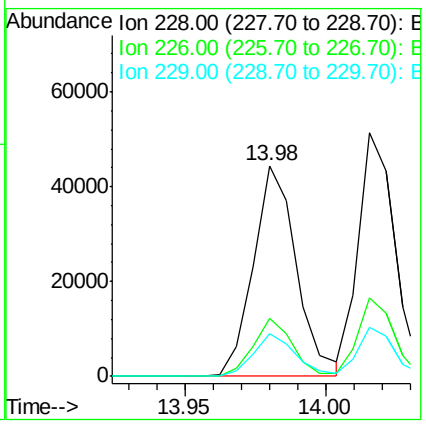


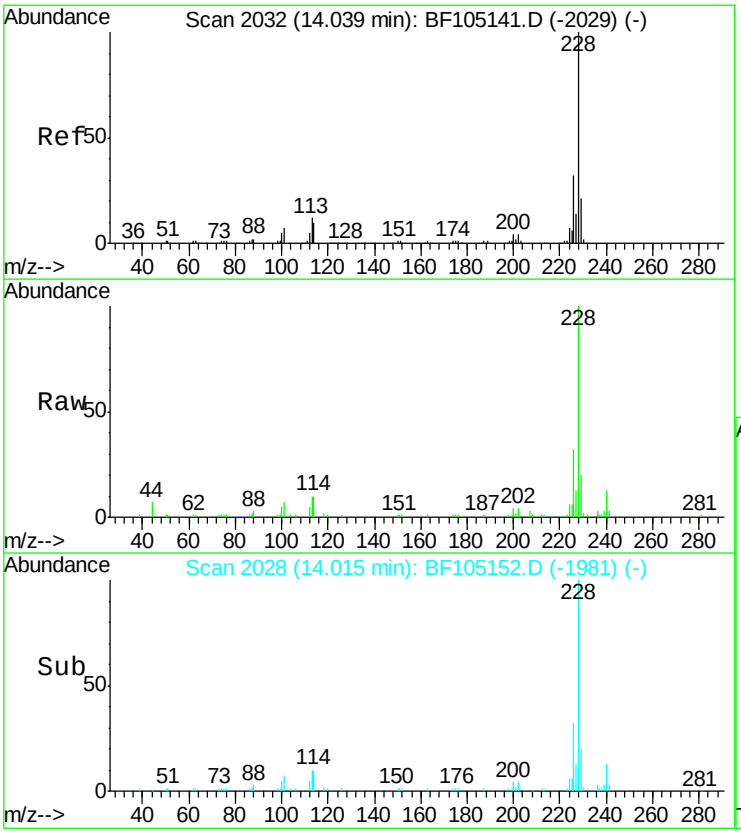
#80
Benzo(a)anthracene
Concen: 1.102 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:228 Resp: 46963

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	20.5	15.8	23.6

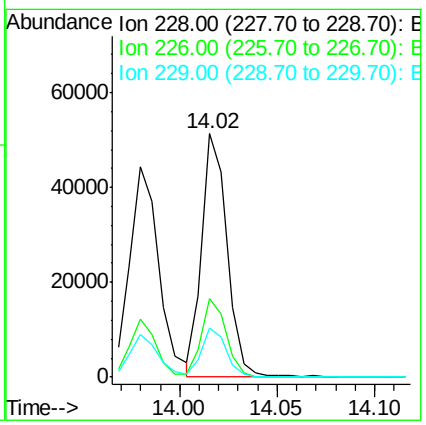


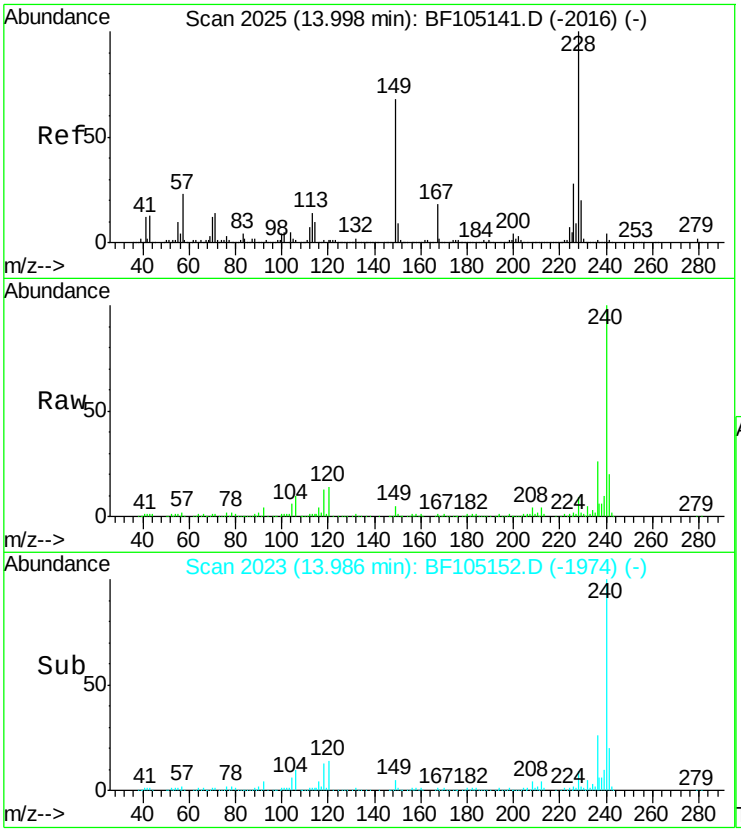


#82
Chrysene
Concen: 1.057 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:228 Resp: 46399

Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.0	37.6
229	20.2	16.2	24.4



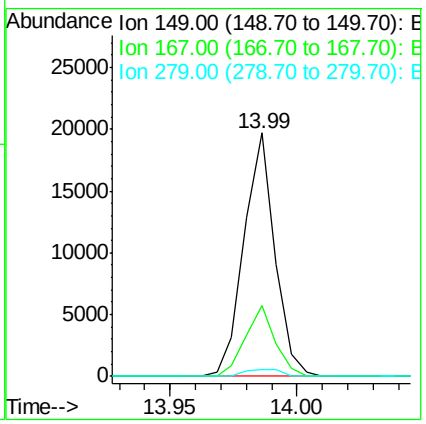


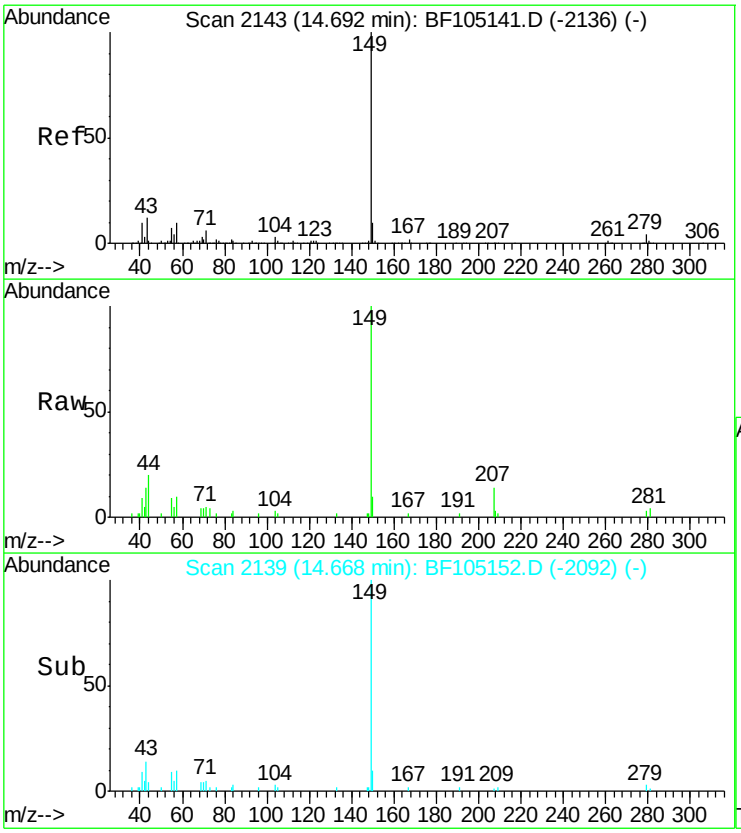
#83
Bis(2-ethylhexyl)phthalate
Concen: 0.792 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:149 Resp: 16726

Ion	Ratio	Lower	Upper
149	100		
167	29.3	21.3	31.9
279	2.8	3.0	4.4#

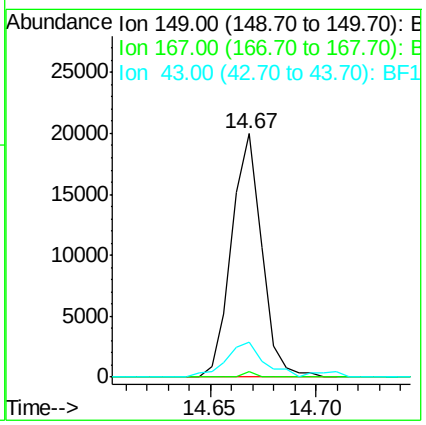


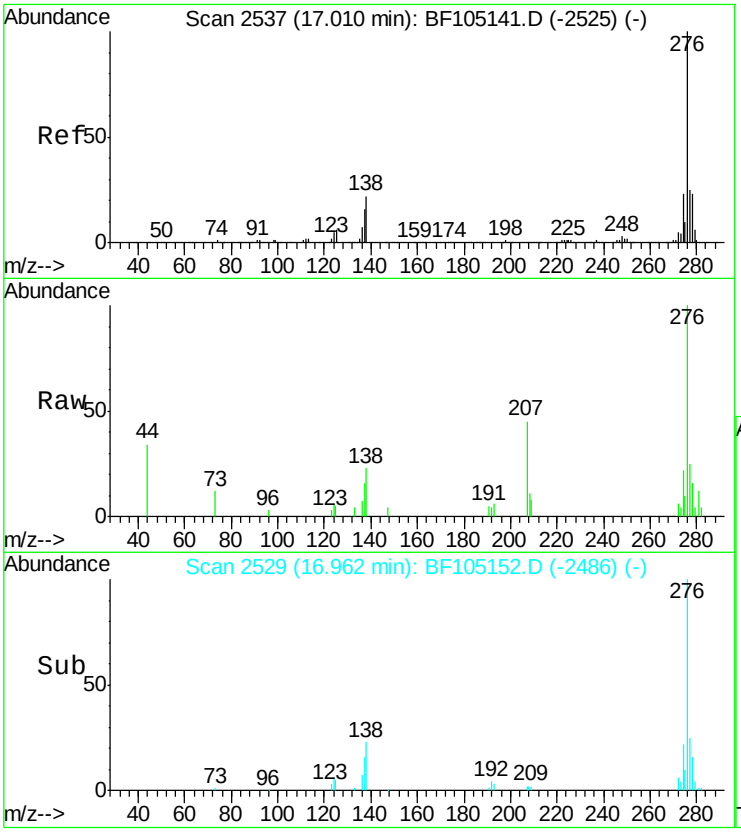


#84
Di-n-octyl phthalate
Concen: 7.347 ng
RT: 14.67 min Scan# 2139
Delta R.T. -0.02 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:149 Resp: 19712

Ion	Ratio	Lower	Upper
149	100		
167	0.8	1.2	1.8#
43	17.5	8.4	12.6#



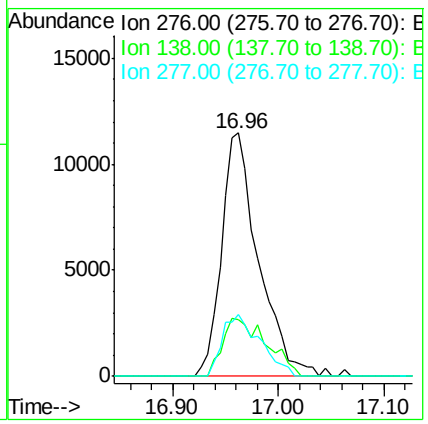


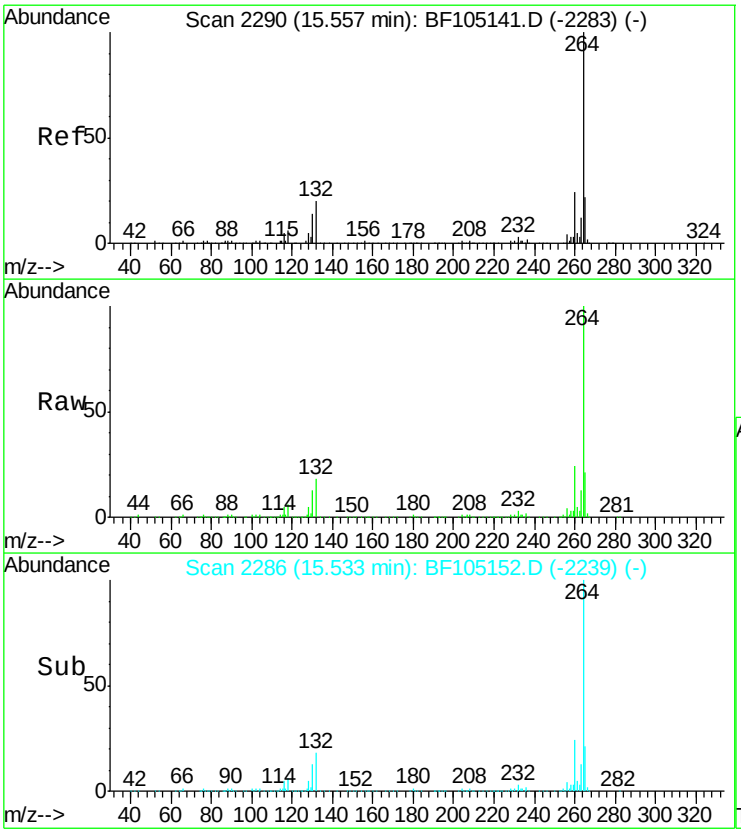
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.802 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.05 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:276 Resp: 27879

Ion	Ratio	Lower	Upper
276	100		
138	28.3	25.0	37.6
277	26.1	20.1	30.1

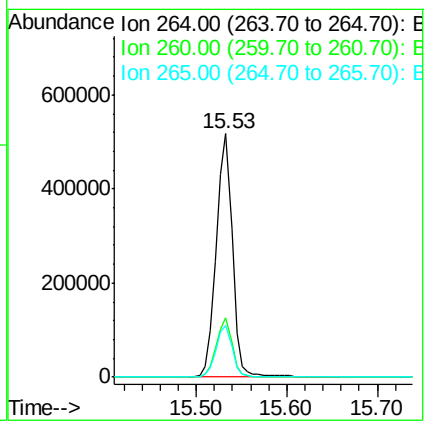


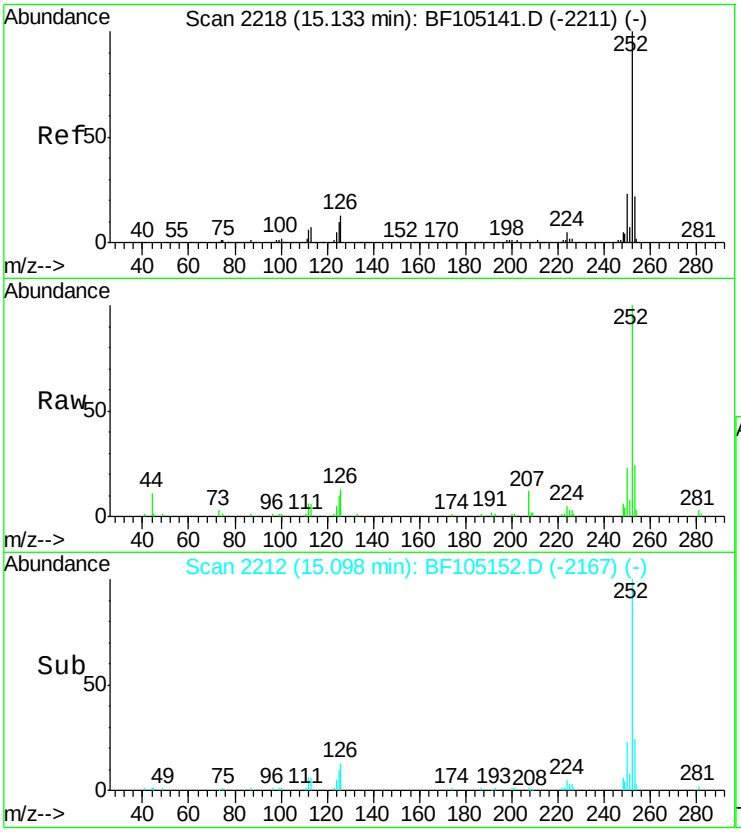


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.02 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:264 Resp: 635606

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.5	17.5	26.3



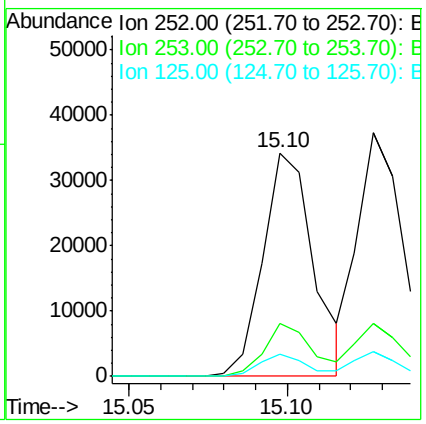


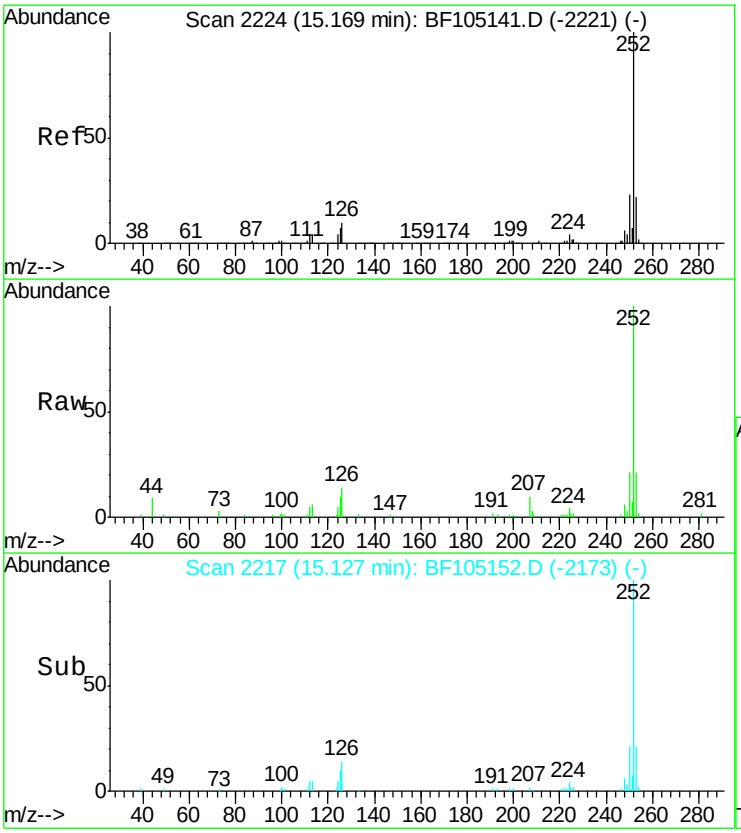
#87
Benzo(b)fluoranthene
Concen: 0.977 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.04 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:252 Resp: 37975

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	10.0	9.0	13.6

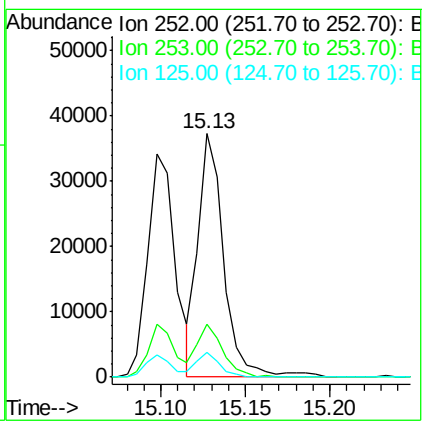


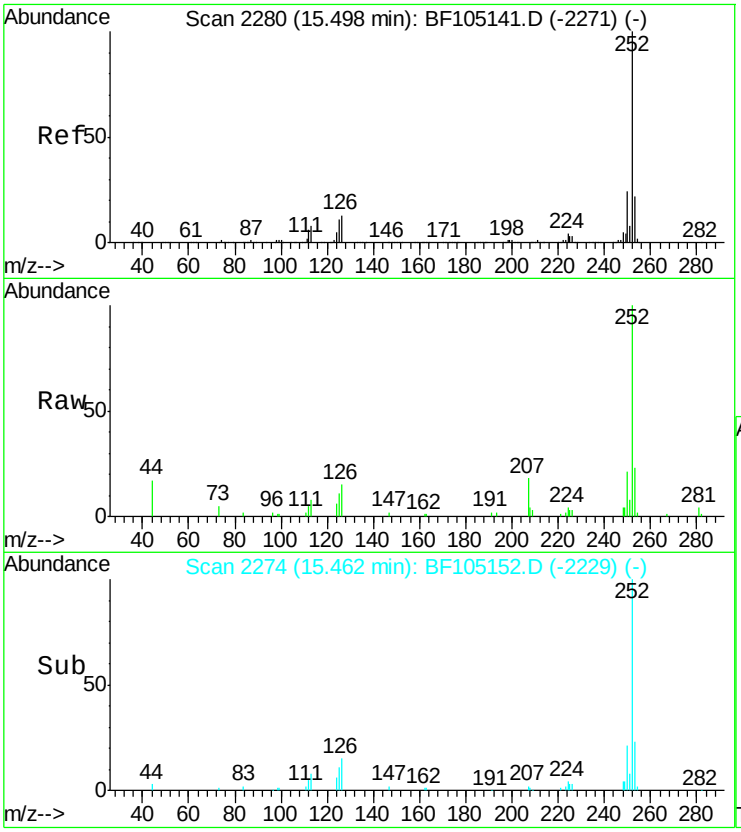


#88
Benzo(k)fluoranthene
Concen: 1.039 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:252 Resp: 39188

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	10.1	10.2	15.2#



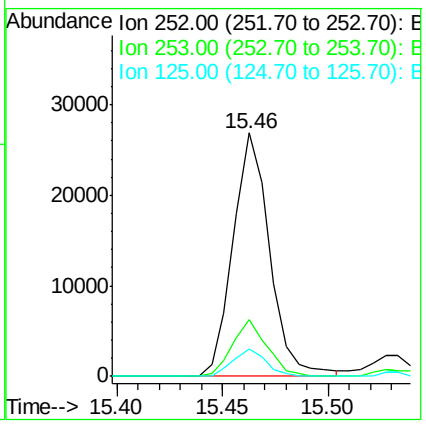


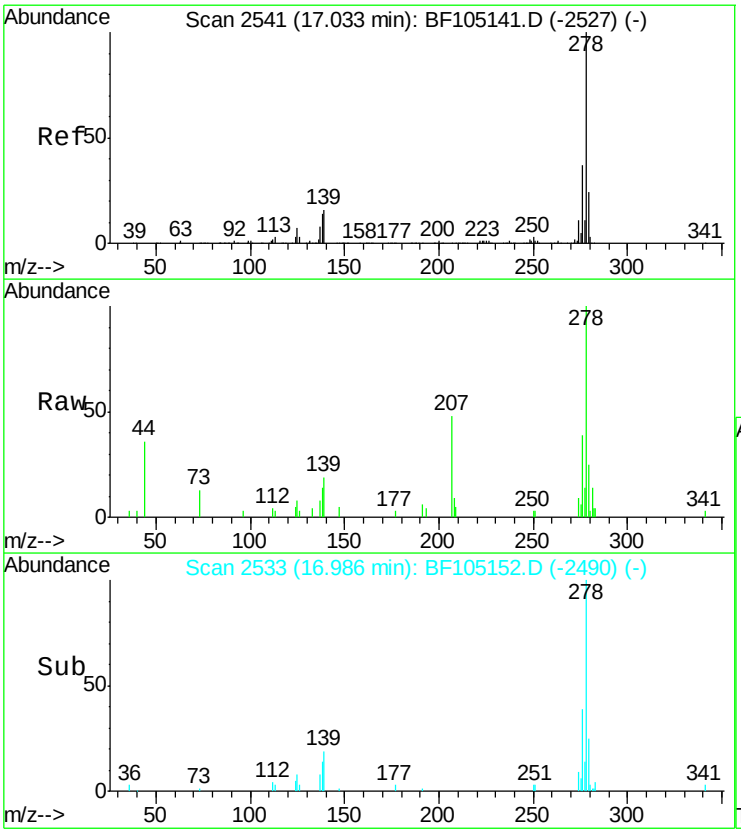
#89
Benzo(a)pyrene
Concen: 0.915 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.04 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:252 Resp: 32371

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	11.3	9.8	14.6

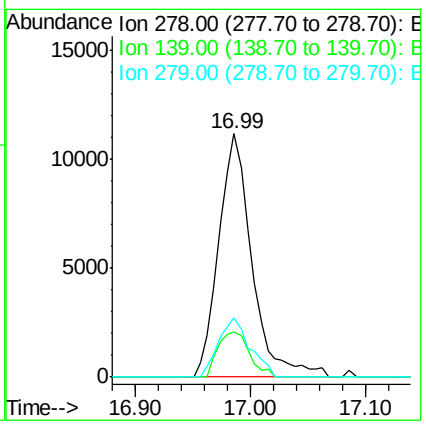


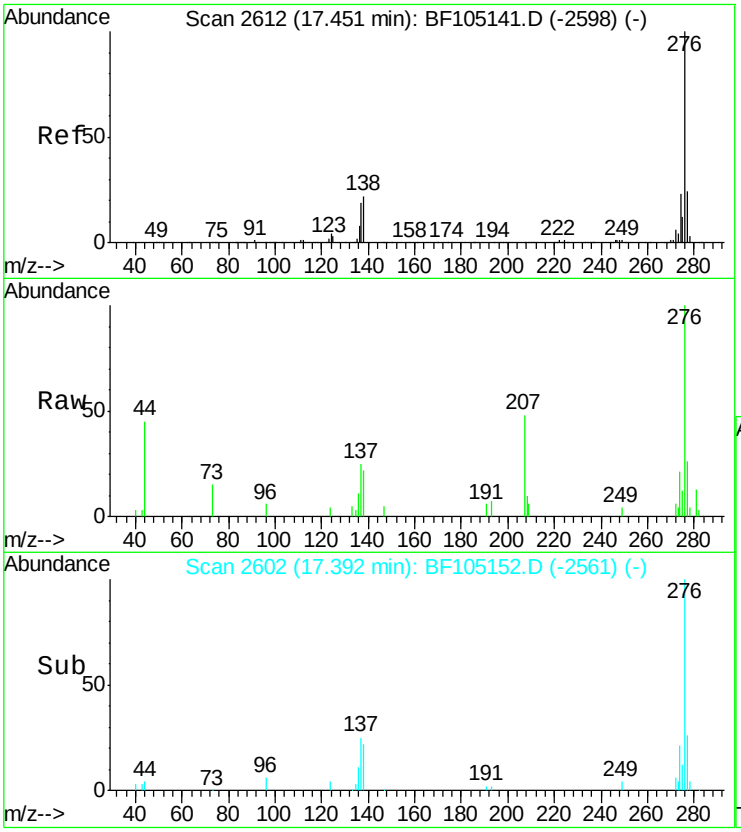


#90
Dibenzo(a,h)anthracene
Concen: 0.810 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.05 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Tgt Ion:278 Resp: 22262

Ion	Ratio	Lower	Upper
278	100		
139	18.7	15.9	23.9
279	24.6	19.0	28.4



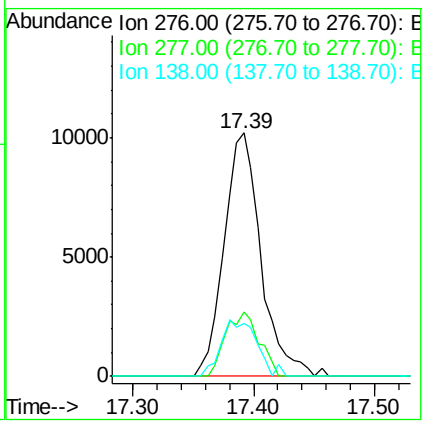


#91
Benzo(g,h,i)perylene
Concen: 0.805 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.06 min
Lab File: BF105152.D
Acq: 8 May 2018 19:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:276 Resp: 21644

Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	21.9	21.8	32.8



Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
Data File : BF105152.D
Acq On : 8 May 2018 19:00
Operator : JU/SJ
Sample : J2133-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2018

Quant Time: May 09 08:49:39 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 08 16:33:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	217024	20.00	ng		0.00
21) Naphthalene-d8	8.07	136	852184	20.00	ng		0.00
38) Acenaphthene-d10	9.83	164	418605	20.00	ng		0.00
63) Phenanthrene-d10	11.31	188	801580	20.00	ng		0.00
75) Chrysene-d12	13.99	240	702515	20.00	ng		-0.02
86) Perylene-d12	15.53	264	635606	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	1619644	122.95	ng		0.00
7) Phenol-d6	6.42	99	1964685	125.25	ng		0.00
23) Nitrobenzene-d5	7.36	82	1108601	88.17	ng		0.00
41) 2,4,6-Tribromophenol	10.62	330	613376	132.81	ng		0.00
44) 2-Fluorobiphenyl	9.15	172	2043743	75.78	ng		0.00
78) Terphenyl-d14	12.91	244	2235478	73.92	ng		0.00
Target Compounds							Qvalue
6) Aniline	6.46	93	17796	0.777	ng		92
8) 2-Chlorophenol	6.57	128	15158	1.085	ng		91
9) Benzaldehyde	6.35	77	7912	0.658	ng		93
10) Phenol	6.43	94	17648	1.011	ng		98
11) bis(2-Chloroethyl)ether	6.53	93	15432	1.073	ng		91
12) 1,3-Dichlorobenzene	6.73	146	18587	1.103	ng		98
13) 1,4-Dichlorobenzene	6.81	146	20032	1.189	ng		90
14) 1,2-Dichlorobenzene	6.96	146	16795	1.081	ng		94
15) Benzyl Alcohol	6.93	79	12916	1.076	ng		95
16) 2,2'-oxybis(1-Chloropropan	7.06	45	27031	1.011	ng		98
18) Hexachloroethane	7.30	117	5820	1.074	ng		94
24) Nitrobenzene	7.37	77	20101	1.410	ng		98
31) Naphthalene	8.09	128	47314	1.153	ng		99
34) Hexachlorobutadiene	8.21	225	10032	1.284	ng		97
37) 2-Methylnaphthalene	8.78	142	31896	1.115	ng		99
39) 1,2,4,5-Tetrachlorobenzene	8.95	216	15211	1.142	ng	#	94
45) 1,1'-Biphenyl	9.25	154	49003	1.437	ng		98
46) 2-Chloronaphthalene	9.27	162	29868	1.172	ng		97
47) 2-Nitroaniline	9.36	65	4864	6.381	ng	#	86
48) Acenaphthylene	9.69	152	46265	1.175	ng		96
49) Dimethylphthalate	9.54	163	33459	1.181	ng		99
50) 2,6-Dinitrotoluene	9.60	165	4454	0.724	ng		93
51) Acenaphthene	9.86	154	30192	1.190	ng		95
54) Dibenzofuran	10.03	168	44306	1.194	ng		92
57) Fluorene	10.37	166	34775	1.278	ng		98
58) 2,3,4,6-Tetrachlorophenol	10.14	232	6521	0.860	ng	#	83
59) Diethylphthalate	10.25	149	31983	1.148	ng		97
62) Azobenzene	10.53	77	30564	1.052	ng		97
65) n-Nitrosodiphenylamine	10.49	169	28652	1.147	ng		97
66) 4-Bromophenyl-phenylether	10.86	248	9275	1.085	ng		90
67) Hexachlorobenzene	10.92	284	11935	1.212	ng	#	83
68) Atrazine	11.00	200	5379	0.687	ng		95
70) Phenanthrene	11.33	178	53015	1.254	ng		98
71) Anthracene	11.39	178	48870	1.138	ng		97

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
Data File : BF105152.D
Acq On : 8 May 2018 19:00
Operator : JU/SJ
Sample : J2133-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2018

Quant Time: May 09 08:49:39 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 08 16:33:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
72) Carbazole	11.54	167	44114	1.140	ng		99
73) Di-n-butylphthalate	11.87	149	39883	0.964	ng		98
74) Fluoranthene	12.52	202	50684	1.151	ng		91
77) Pyrene	12.75	202	51149	1.001	ng		97
79) Butylbenzylphthalate	13.39	149	11061	7.412	ng		98
80) Benzo(a)anthracene	13.98	228	46963	1.102	ng		98
82) Chrysene	14.02	228	46399	1.057	ng		99
83) Bis(2-ethylhexyl)phthalate	13.99	149	16726	0.792	ng	#	95
84) Di-n-octyl phthalate	14.67	149	19712	7.347	ng	#	83
85) Indeno(1,2,3-cd)pyrene	16.96	276	27879	0.802	ng		96
87) Benzo(b)fluoranthene	15.10	252	37975	0.977	ng		95
88) Benzo(k)fluoranthene	15.13	252	39188	1.039	ng	#	96
89) Benzo(a)pyrene	15.46	252	32371	0.915	ng		97
90) Dibenzo(a,h)anthracene	16.99	278	22262	0.810	ng		98
91) Benzo(g,h,i)perylene	17.39	276	21644	0.805	ng		91

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