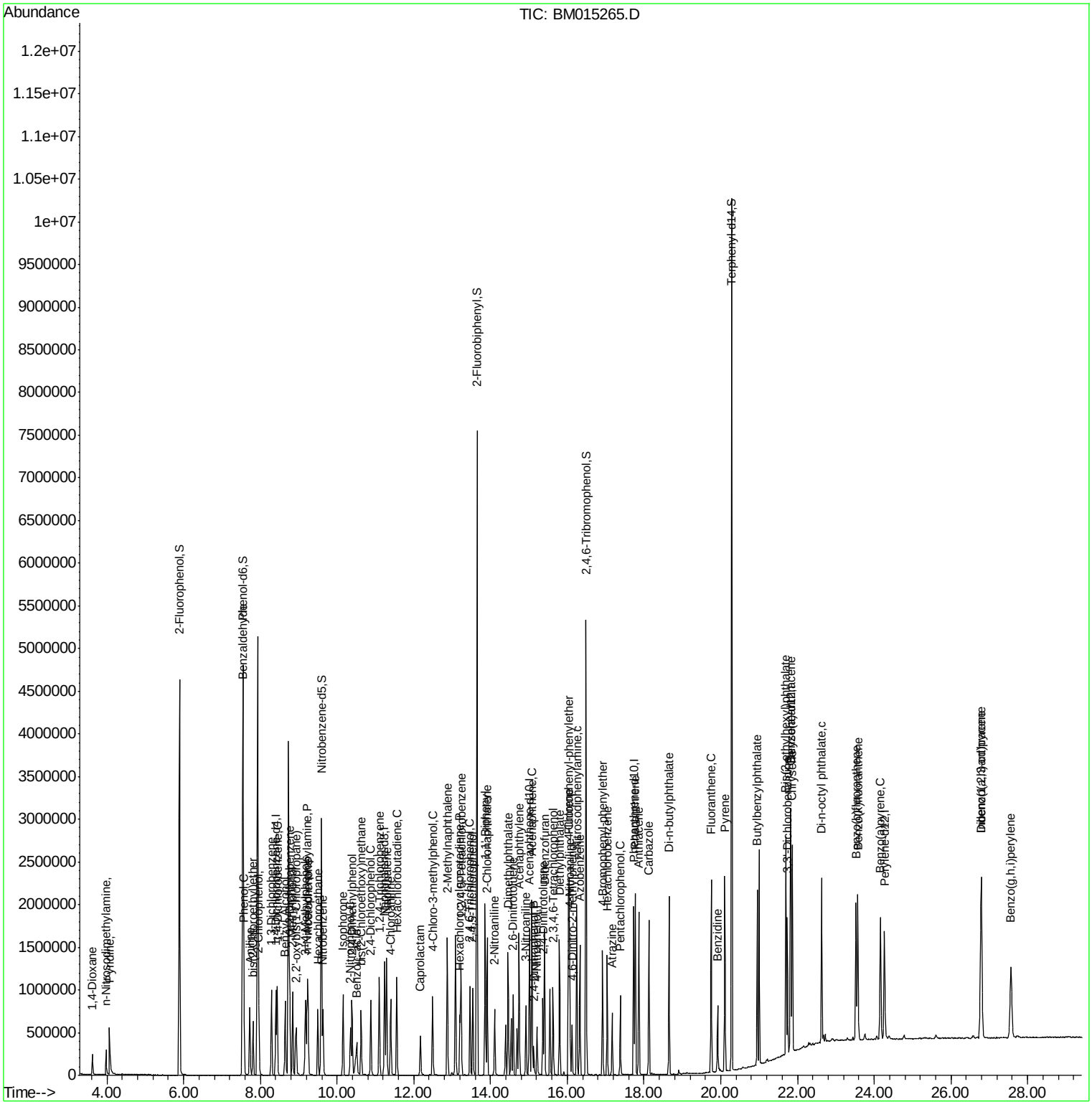
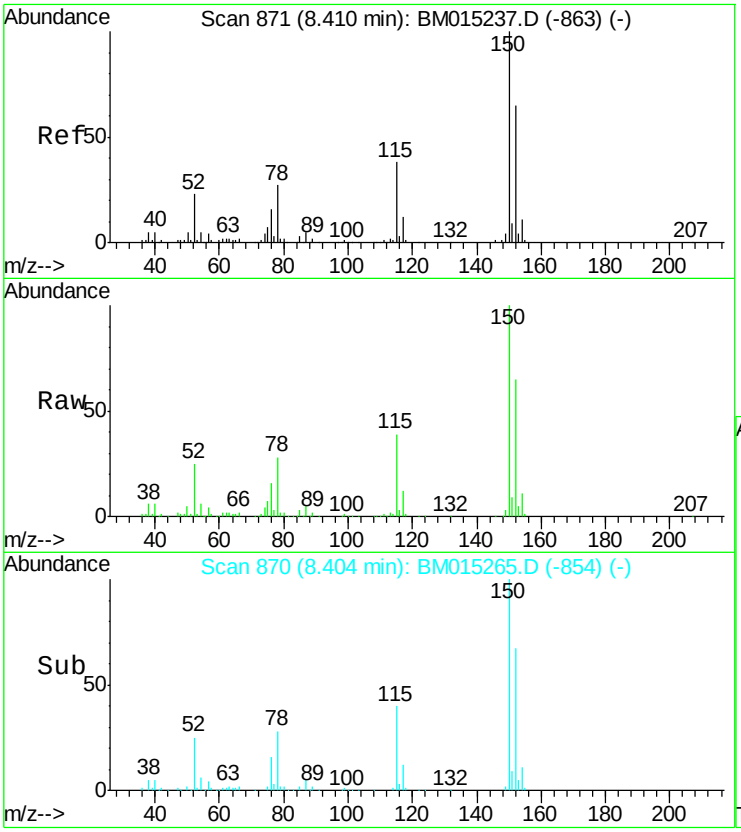
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
Data File : BM015265.D
Acq On : 23 May 2018 06:24
Operator : SJ/JU
Sample : J2133-02
Misc : LOQ 20 PPM
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Quant Time: May 23 07:56:59 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM052218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 22 15:47:28 2018
Response via : Initial Calibration



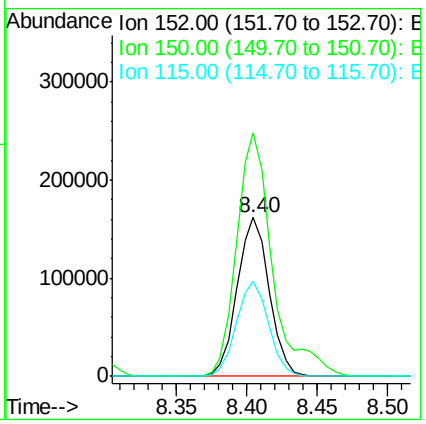


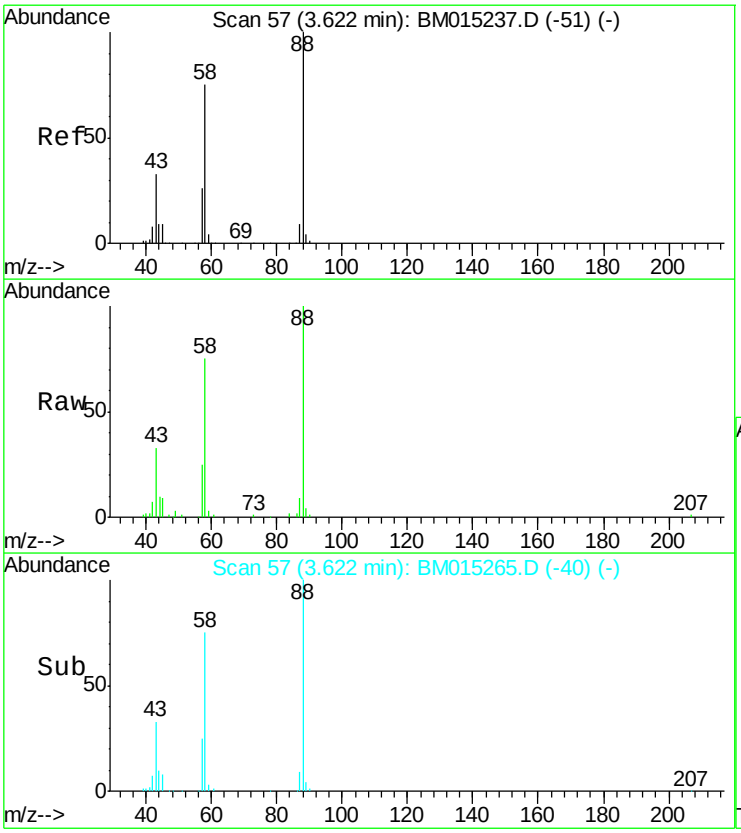
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.40 min Scan# 870
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:152 Resp: 256184

Ion	Ratio	Lower	Upper
152	100		
150	153.0	119.5	179.3
115	59.5	43.0	64.4

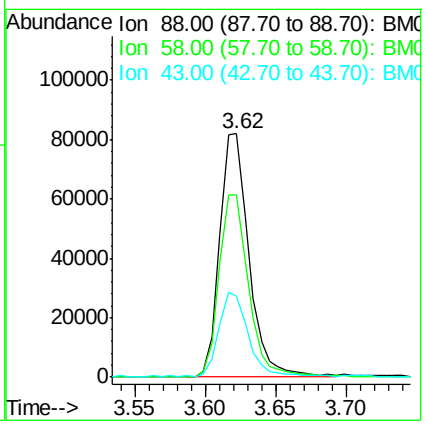


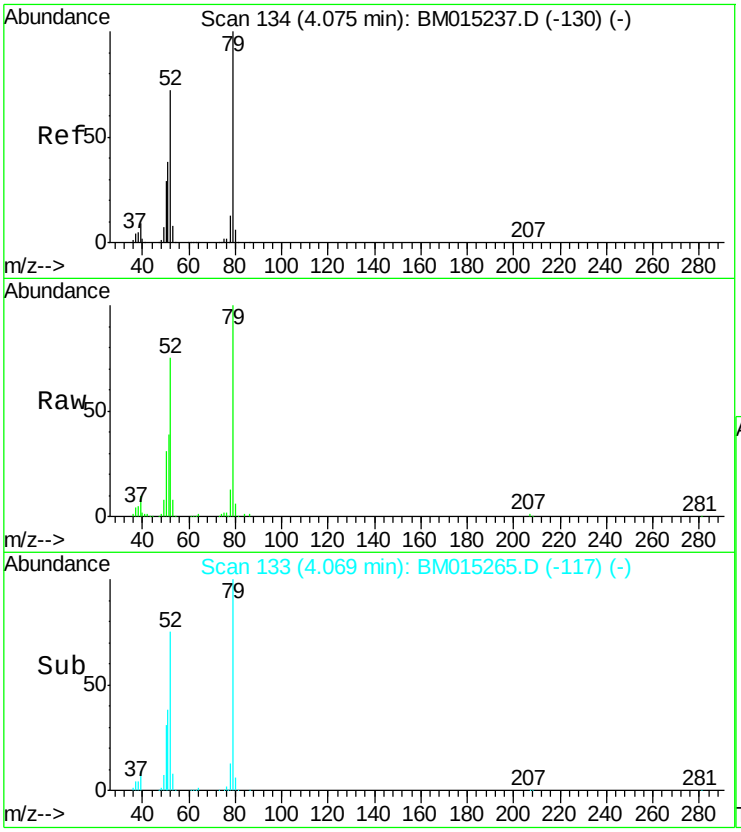


#2
1,4-Dioxane
Concen: 18.391 ng
RT: 3.62 min Scan# 57
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion: 88 Resp: 118974

Ion	Ratio	Lower	Upper
88	100		
58	75.6	0.0	0.0#
43	35.4	0.0	0.0#



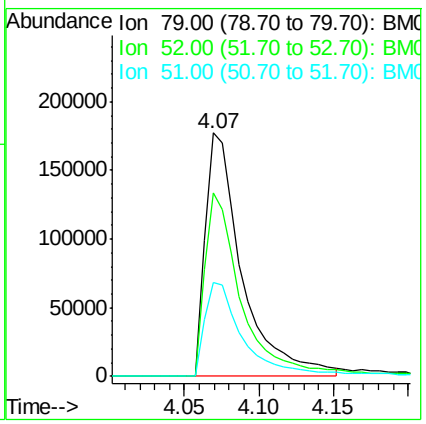


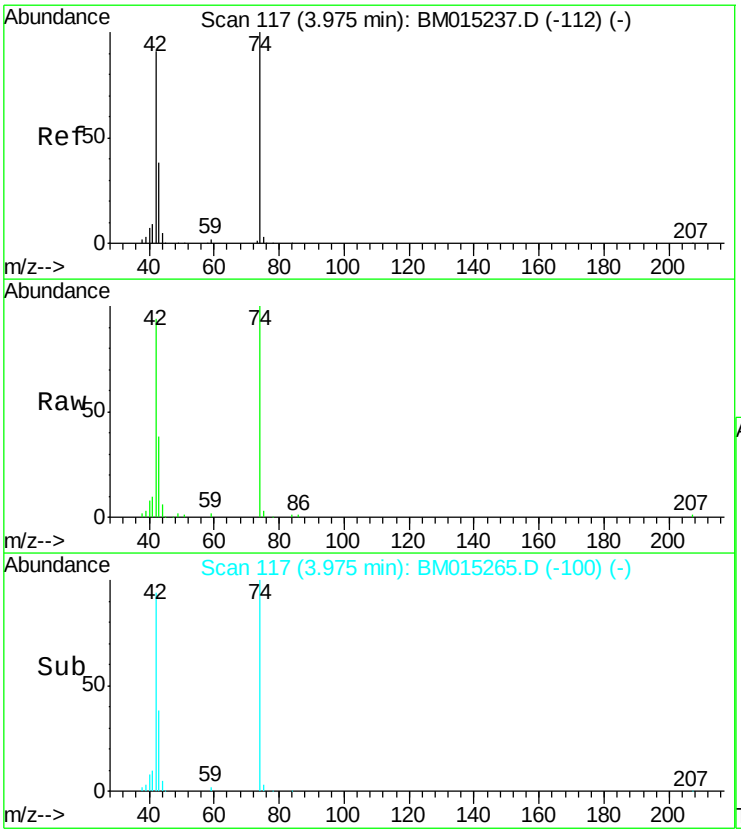
#3
Pyridine
Concen: 18.332 ng
RT: 4.07 min Scan# 133
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion: 79 Resp: 303799

Ion	Ratio	Lower	Upper
79	100		
52	75.1	51.1	76.7
51	38.6	26.1	39.1

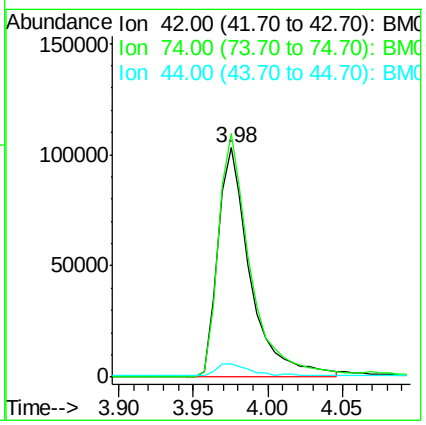


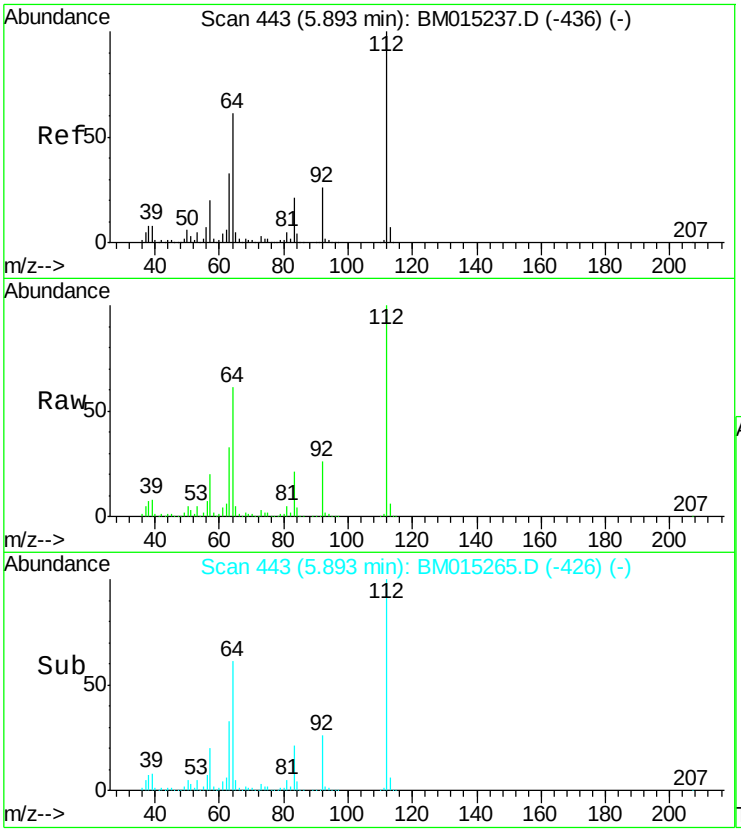


#4
n-Nitrosodimethylamine
Concen: 17.638 ng
RT: 3.98 min Scan# 117
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion: 42 Resp: 158154

Ion	Ratio	Lower	Upper
42	100		
74	106.1	119.3	178.9#
44	6.0	5.4	8.2



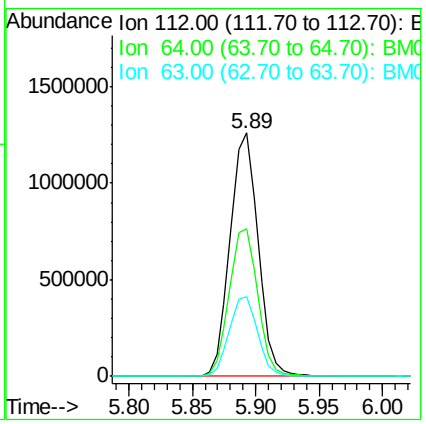


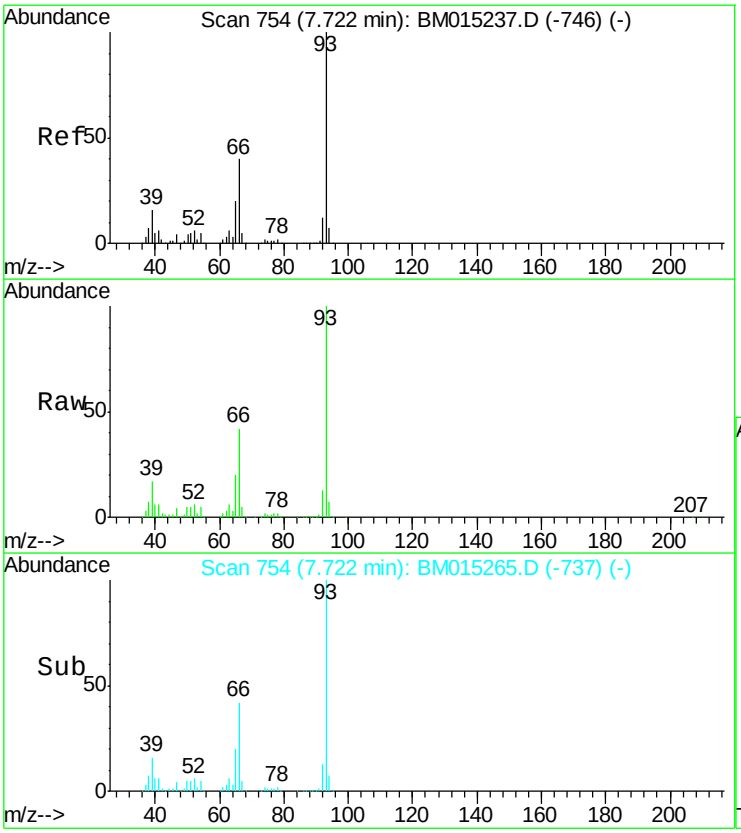
#5
2-Fluorophenol
Concen: 123.427 ng
RT: 5.89 min Scan# 443
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:112 Resp: 1932676

Ion	Ratio	Lower	Upper
112	100		
64	60.8	38.6	57.8#
63	32.8	19.3	28.9#

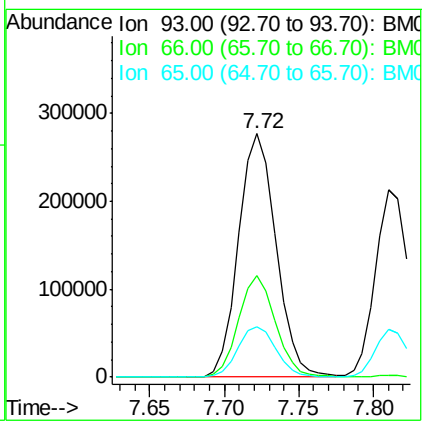


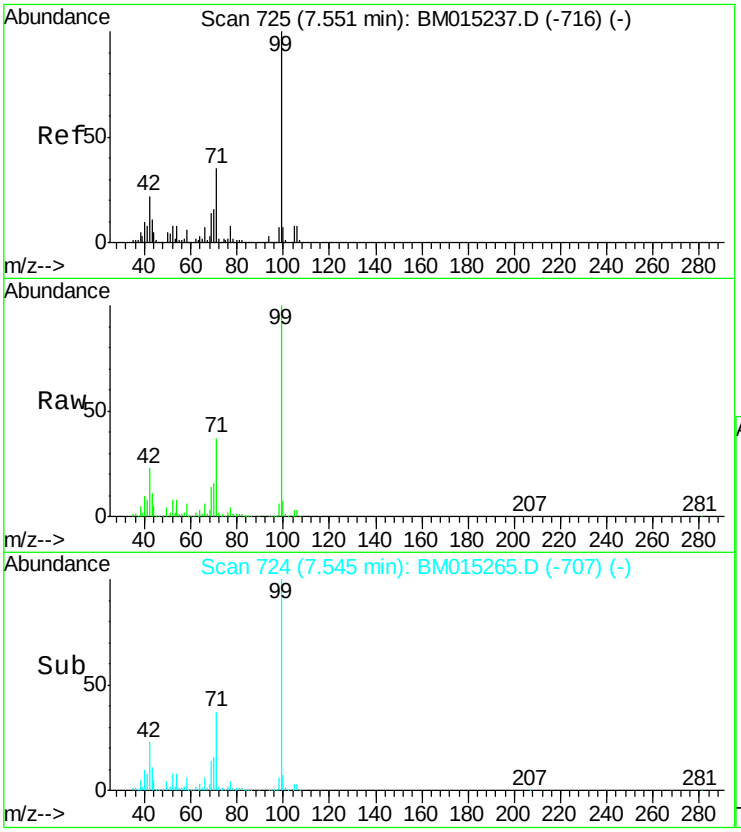


#6
Aniline
Concen: 19.237 ng
RT: 7.72 min Scan# 754
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion: 93 Resp: 483308

Ion	Ratio	Lower	Upper
93	100		
66	41.9	30.8	46.2
65	20.5	16.0	24.0



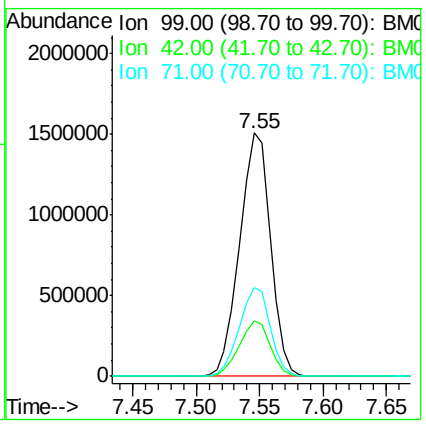


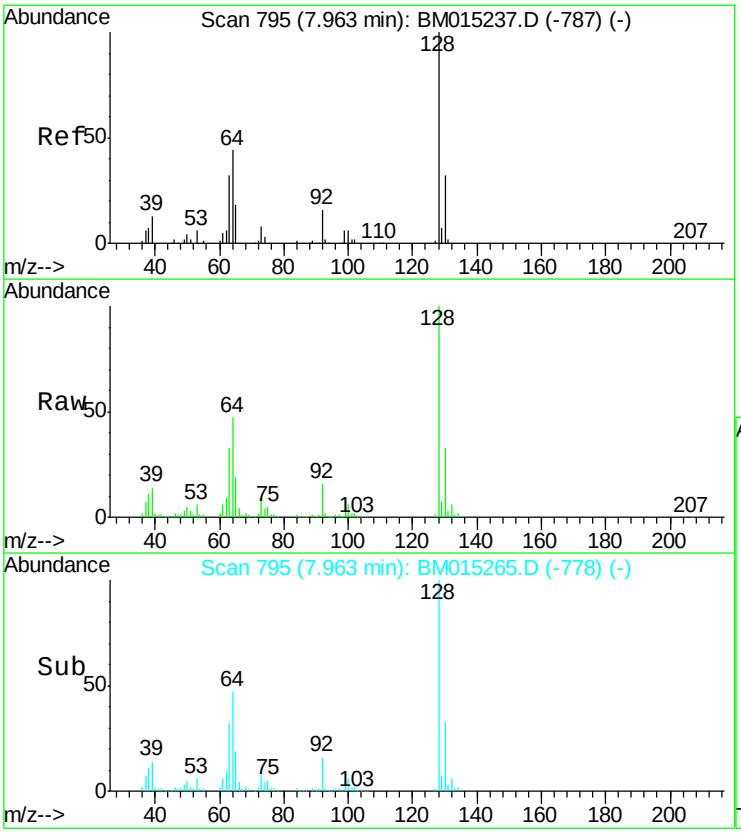
#7
Phenol-d6
Concen: 125.872 ng
RT: 7.55 min Scan# 724
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion: 99 Resp: 2566566

Ion	Ratio	Lower	Upper
99	100		
42	22.6	11.0	16.4#
71	36.7	23.4	35.2#

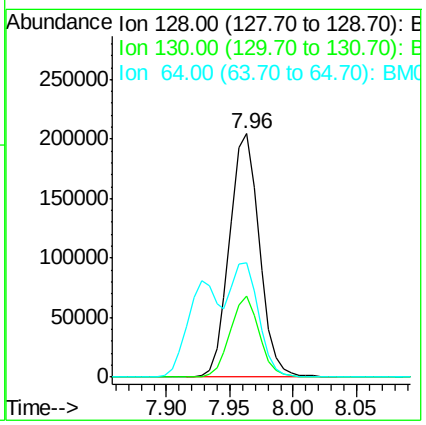


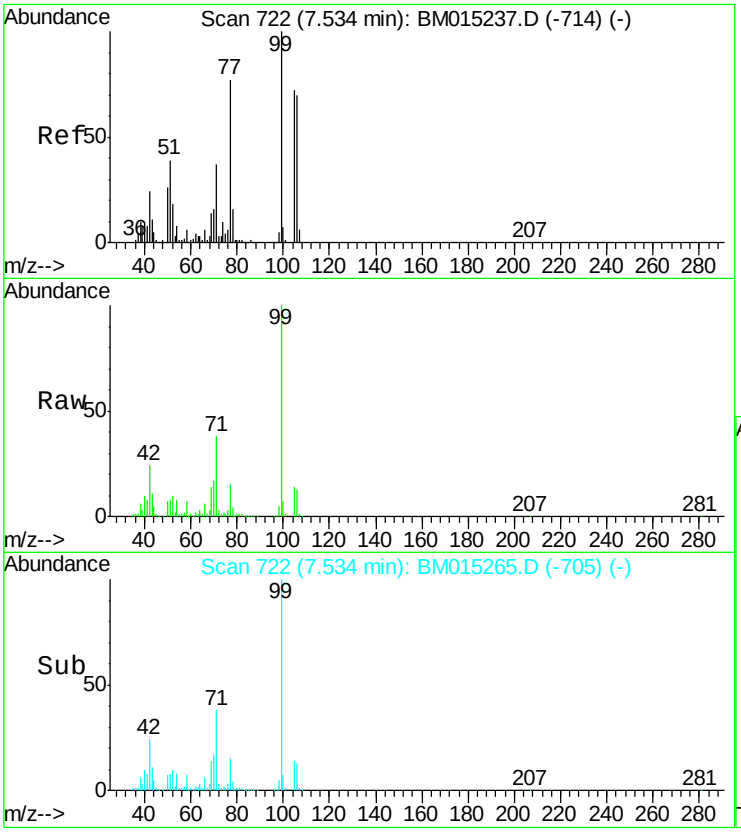


#8
2-Chlorophenol
Concen: 18.916 ng
RT: 7.96 min Scan# 795
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:128 Resp: 334275

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.0	52.0
64	46.8	24.9	64.9



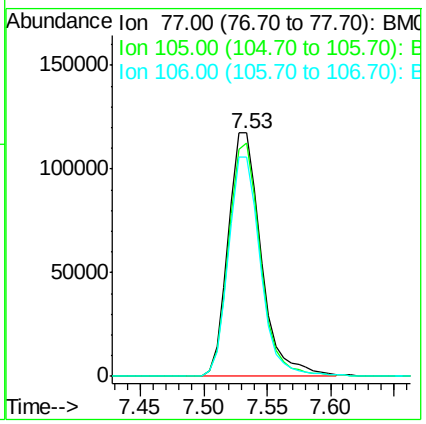


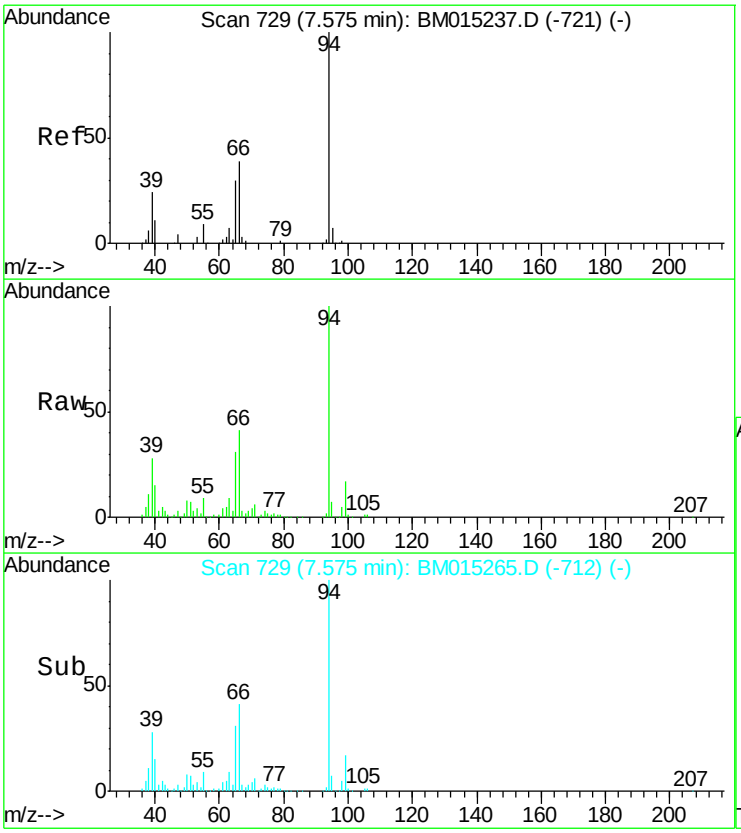
#9
Benzaldehyde
Concen: 16.429 ng
RT: 7.53 min Scan# 722
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion: 77 Resp: 211893

Ion	Ratio	Lower	Upper
77	100		
105	95.9	78.8	118.8
106	89.9	73.7	113.7

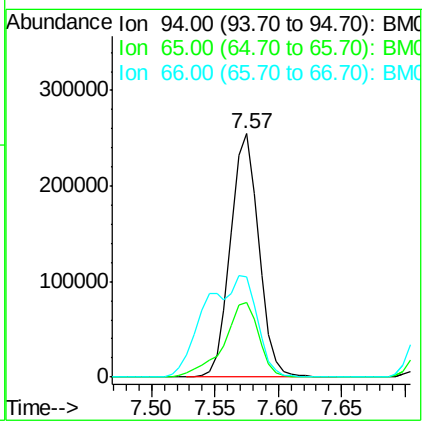


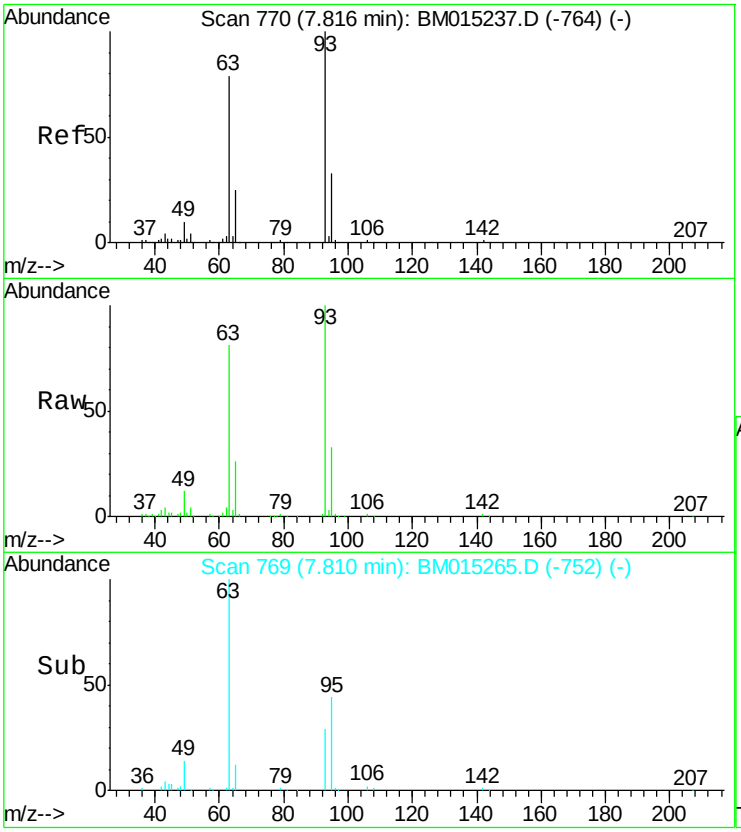


#10
Phenol
Concen: 18.983 ng
RT: 7.57 min Scan# 729
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion: 94 Resp: 393055

Ion	Ratio	Lower	Upper
94	100		
65	30.9	18.8	58.8
66	41.3	39.9	79.9



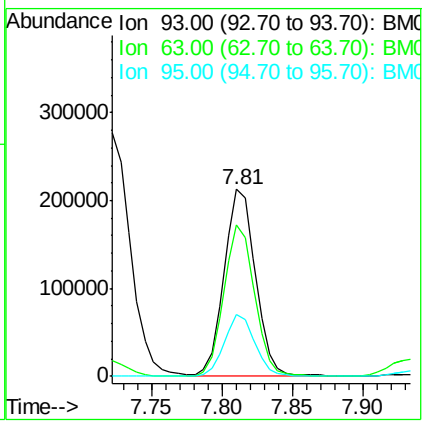


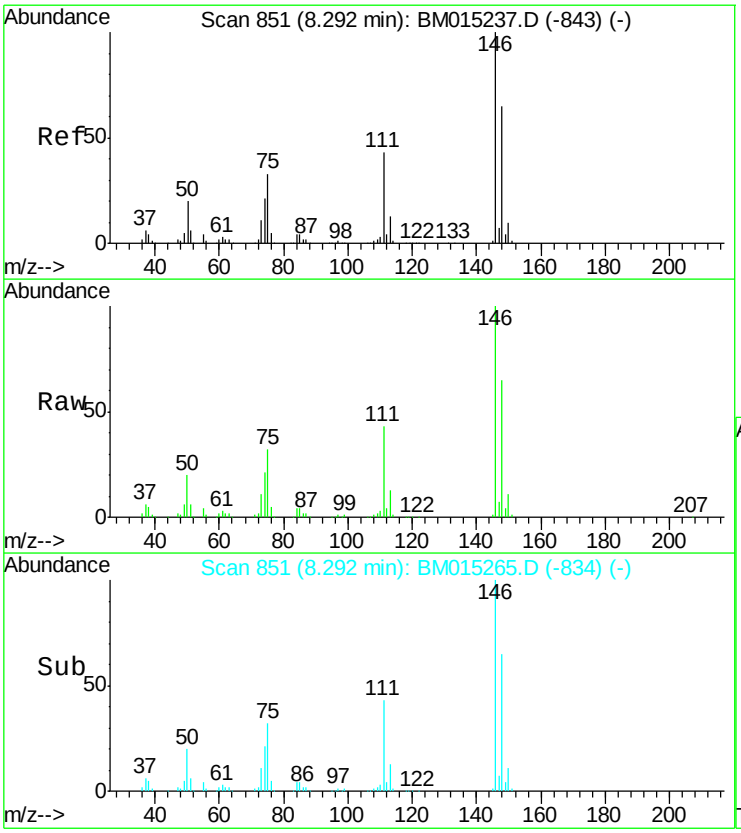
#11
bis(2-Chloroethyl)ether
Concen: 19.822 ng
RT: 7.81 min Scan# 769
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion: 93 Resp: 325568

Ion	Ratio	Lower	Upper
93	100		
63	80.9	49.5	89.5
95	33.2	13.5	53.5

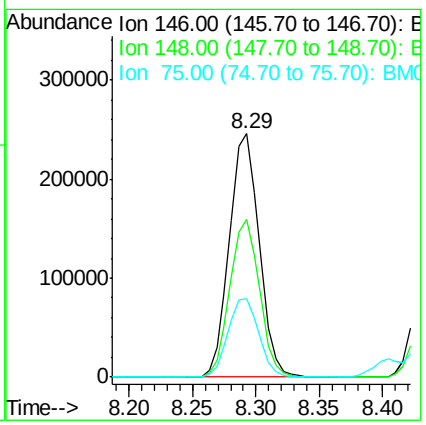


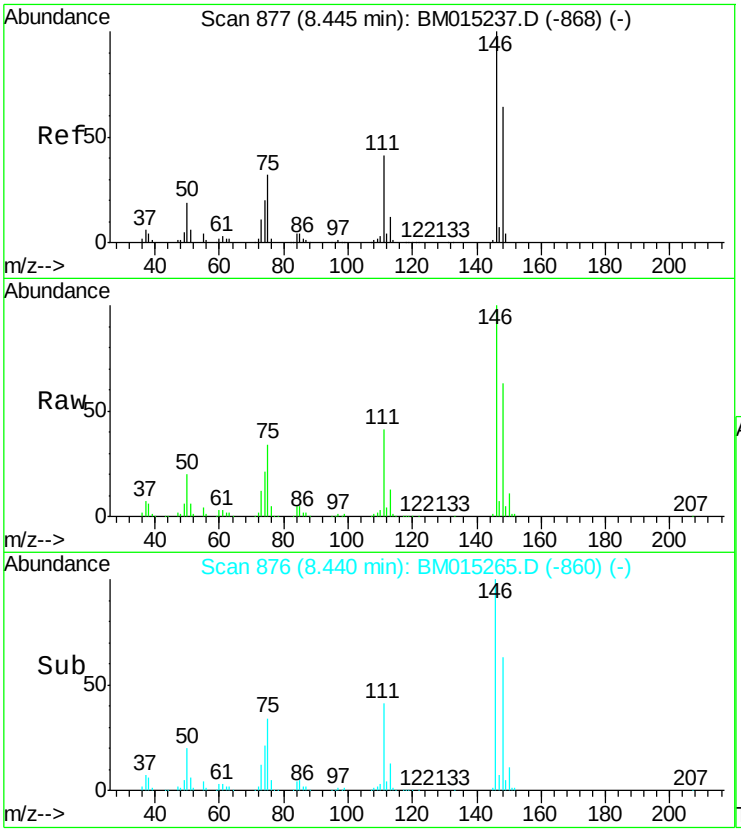


#12
1,3-Dichlorobenzene
Concen: 19.865 ng
RT: 8.29 min Scan# 851
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:146 Resp: 400239

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.9	76.3
75	32.2	21.4	32.2#



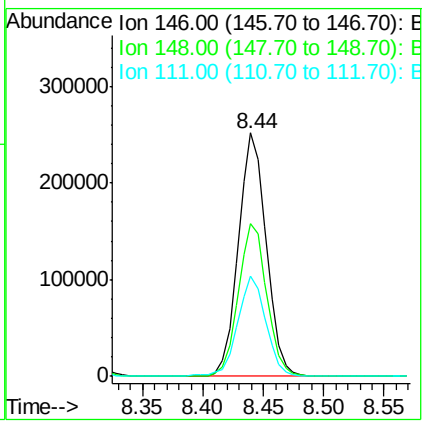


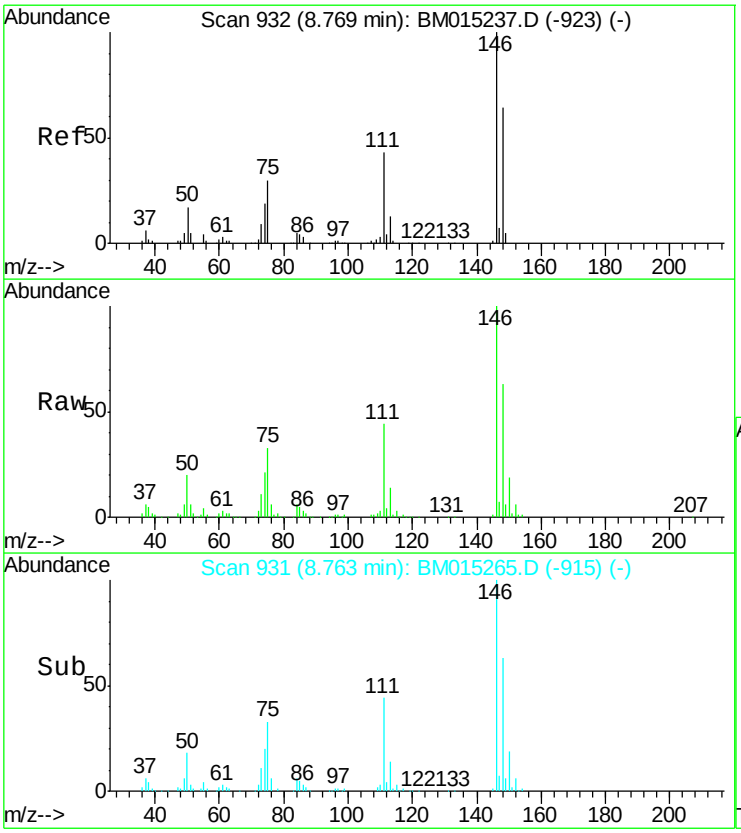
#13
1,4-Dichlorobenzene
Concen: 19.957 ng
RT: 8.44 min Scan# 876
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:146 Resp: 406559

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.9	77.9
111	41.3	29.2	43.8

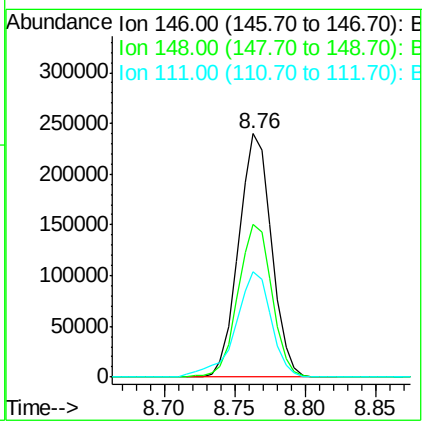


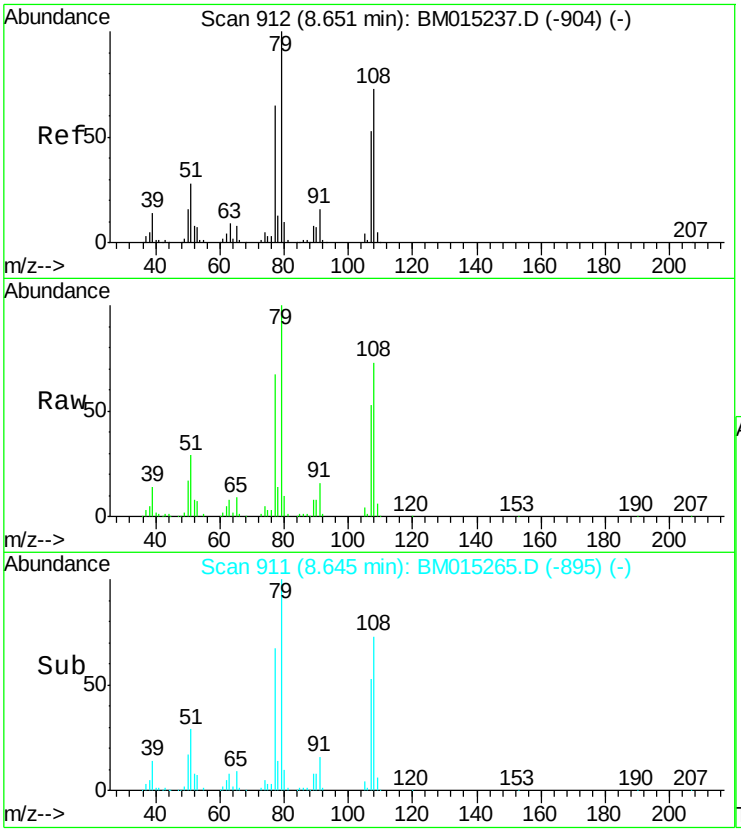


#14
1,2-Dichlorobenzene
Concen: 20.196 ng
RT: 8.76 min Scan# 931
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:146 Resp: 390508

Ion	Ratio	Lower	Upper
146	100		
148	62.5	52.3	78.5
111	43.5	30.6	45.8



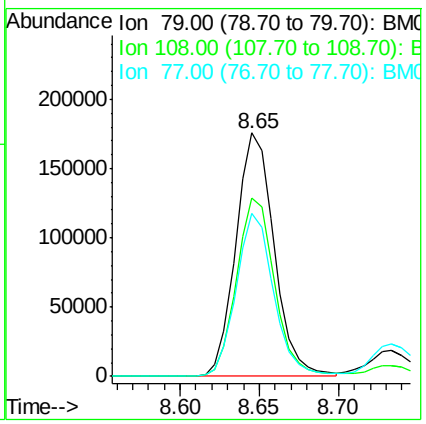


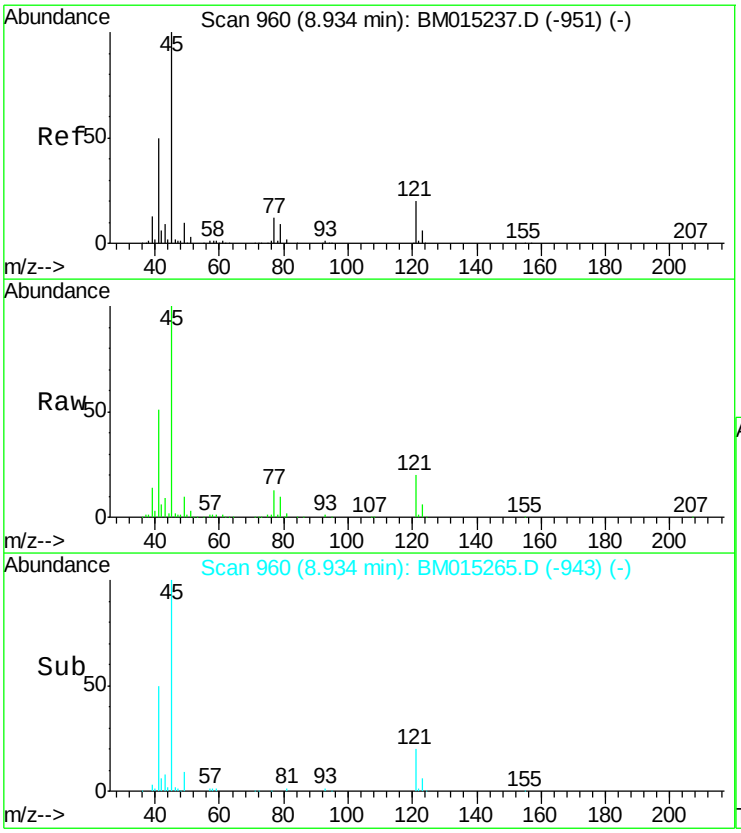
#15
Benzyl Alcohol
Concen: 19.968 ng
RT: 8.65 min Scan# 911
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion: 79 Resp: 294420

Ion	Ratio	Lower	Upper
79	100		
108	73.4	65.0	97.4
77	66.8	53.0	79.6

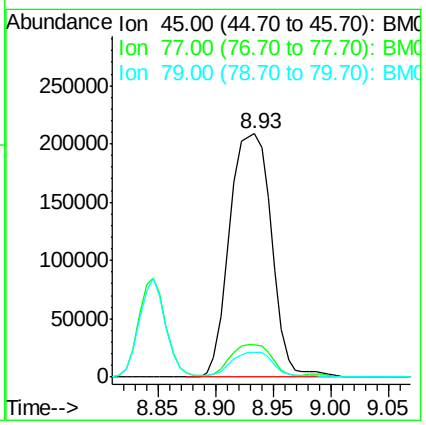


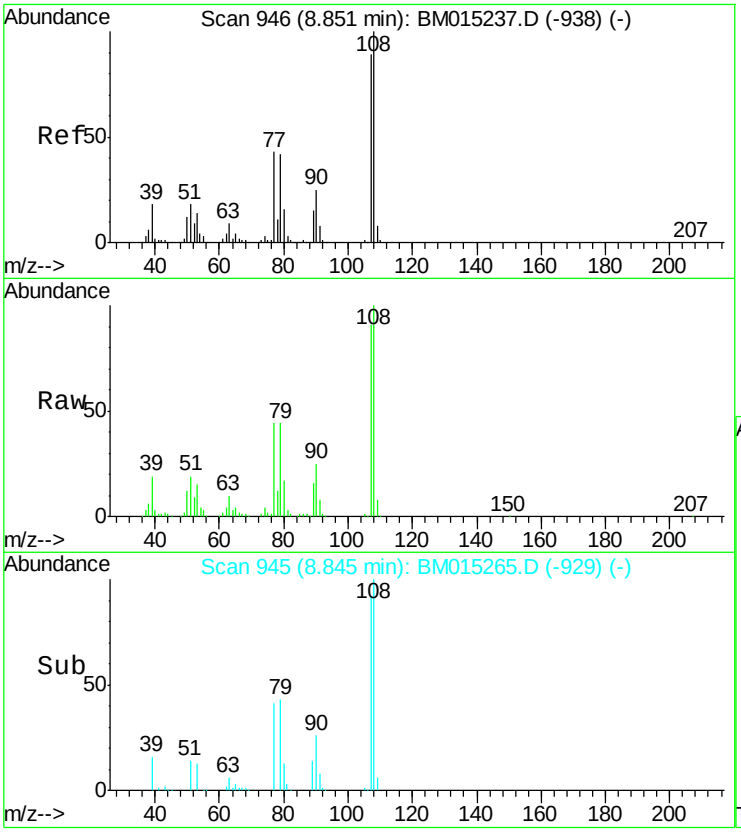


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.303 ng
RT: 8.93 min Scan# 960
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion: 45 Resp: 526082

Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	35.2
79	10.1	0.0	32.0



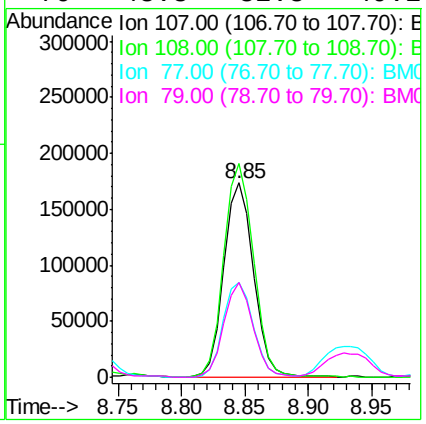


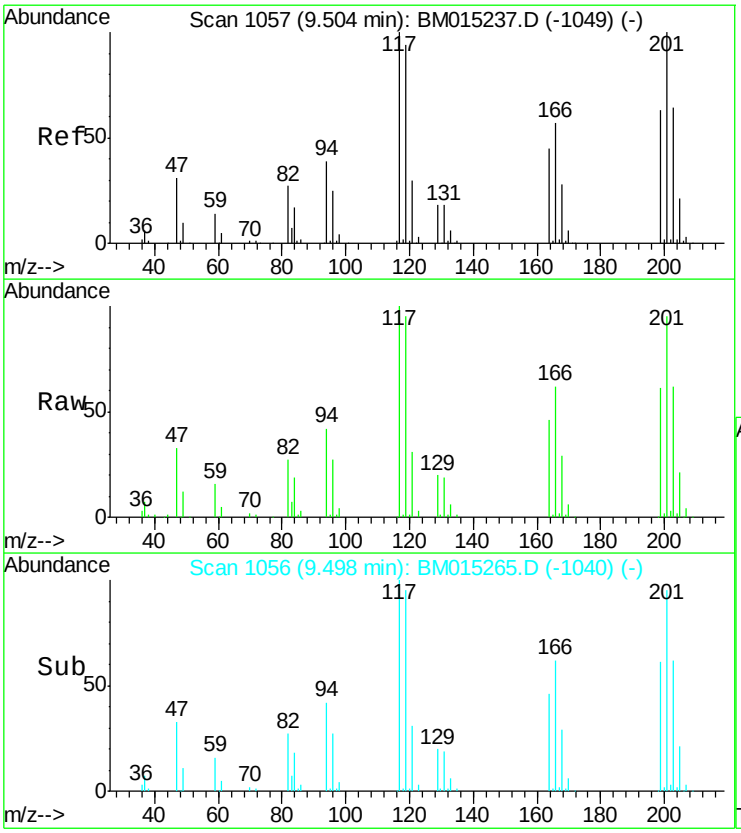
#17
2-Methylphenol
Concen: 20.467 ng
RT: 8.85 min Scan# 945
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:107 Resp: 281731

Ion	Ratio	Lower	Upper
107	100		
108	110.1	89.8	134.8
77	49.0	32.6	48.8#
79	48.8	32.8	49.2

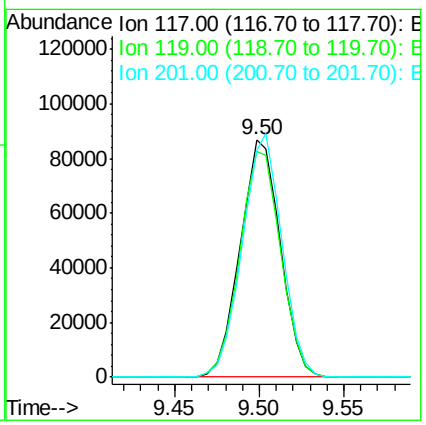


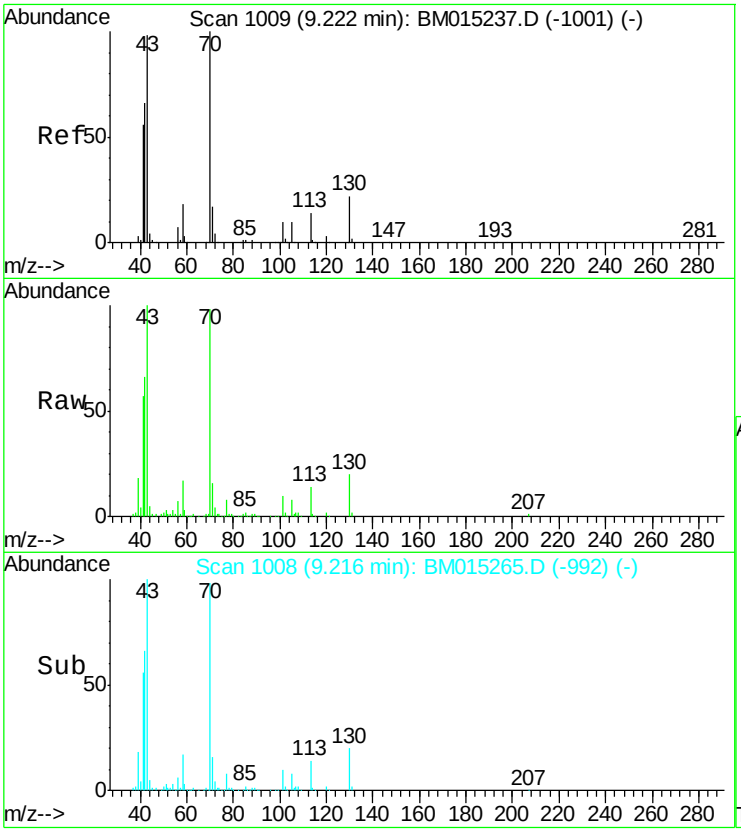


#18
Hexachloroethane
Concen: 19.875 ng
RT: 9.50 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:117 Resp: 143786

Ion	Ratio	Lower	Upper
117	100		
119	95.2	79.2	118.8
201	95.4	69.8	104.6



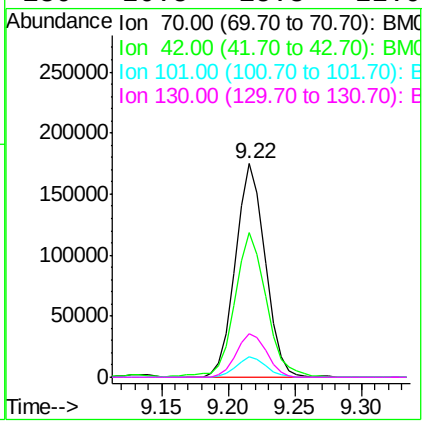


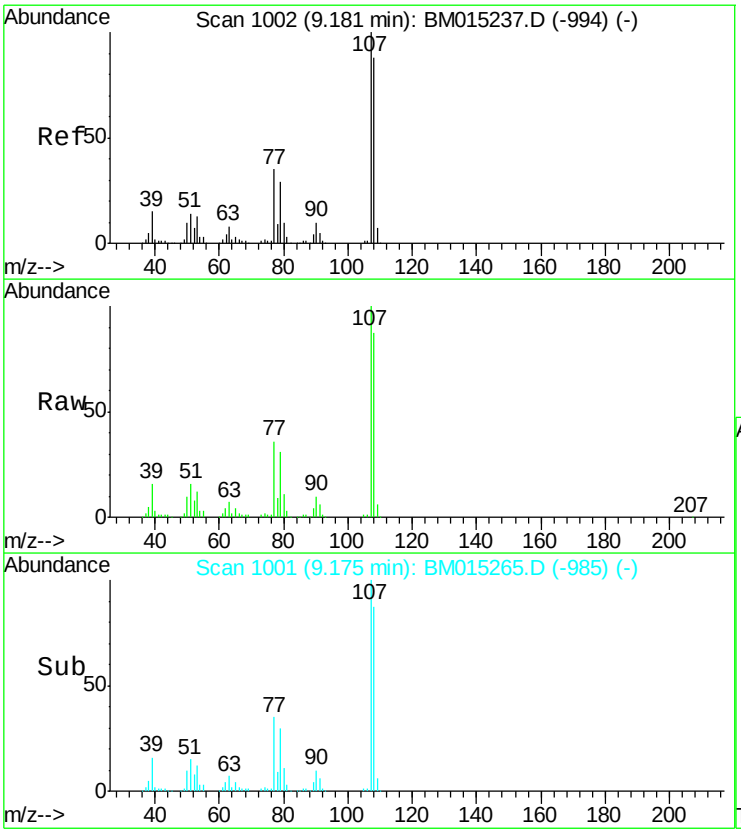
#19
n-Nitroso-di-n-propylamine
Concen: 20.801 ng
RT: 9.22 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion: 70 Resp: 270331

Ion	Ratio	Lower	Upper
70	100		
42	67.6	44.5	66.7#
101	9.8	7.4	11.2
130	20.5	15.3	22.9

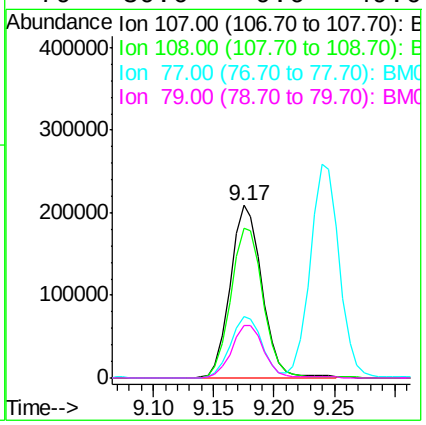


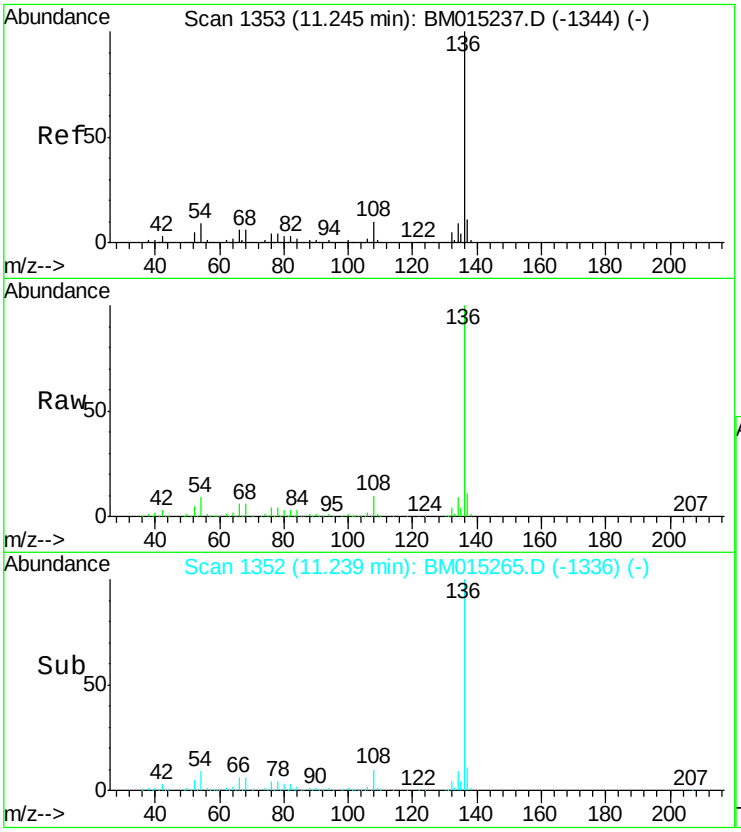


#20
3+4-Methylphenols
Concen: 21.022 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:107 Resp: 384223

Ion	Ratio	Lower	Upper
107	100		
108	87.0	73.2	113.2
77	35.7	10.7	50.7
79	30.6	9.6	49.6



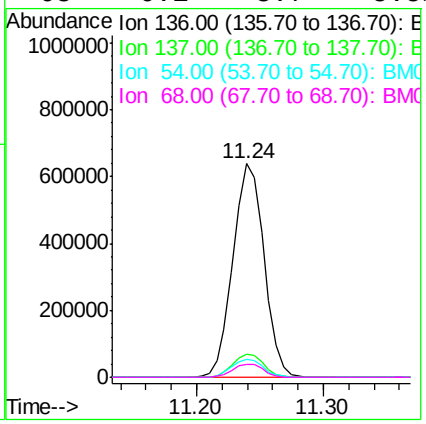


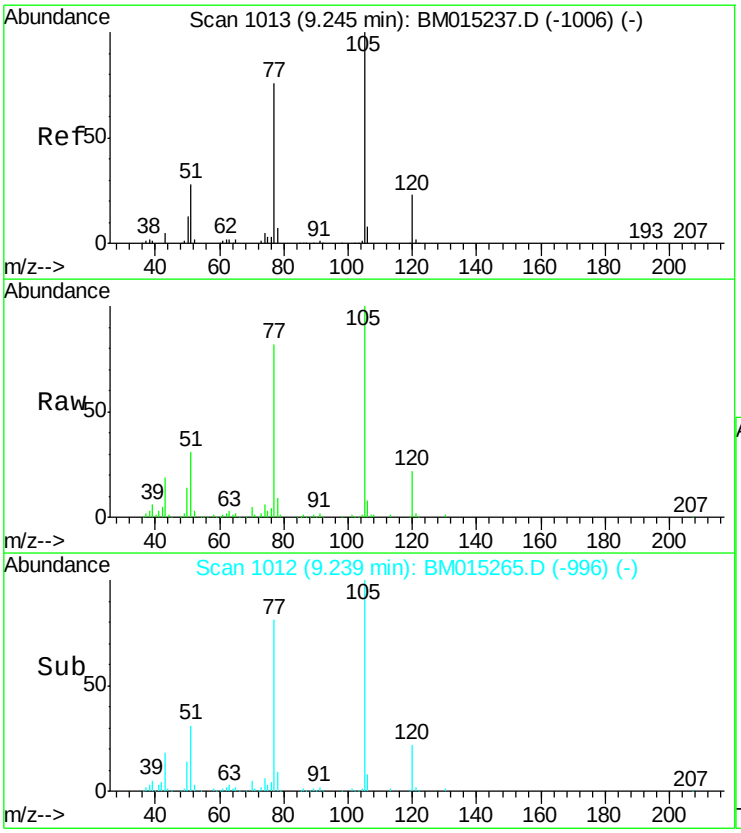
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.24 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:136 Resp: 1085580

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	8.6	4.6	6.8#
68	6.1	3.7	5.5#

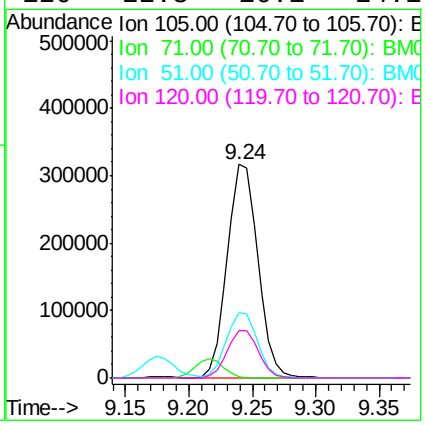


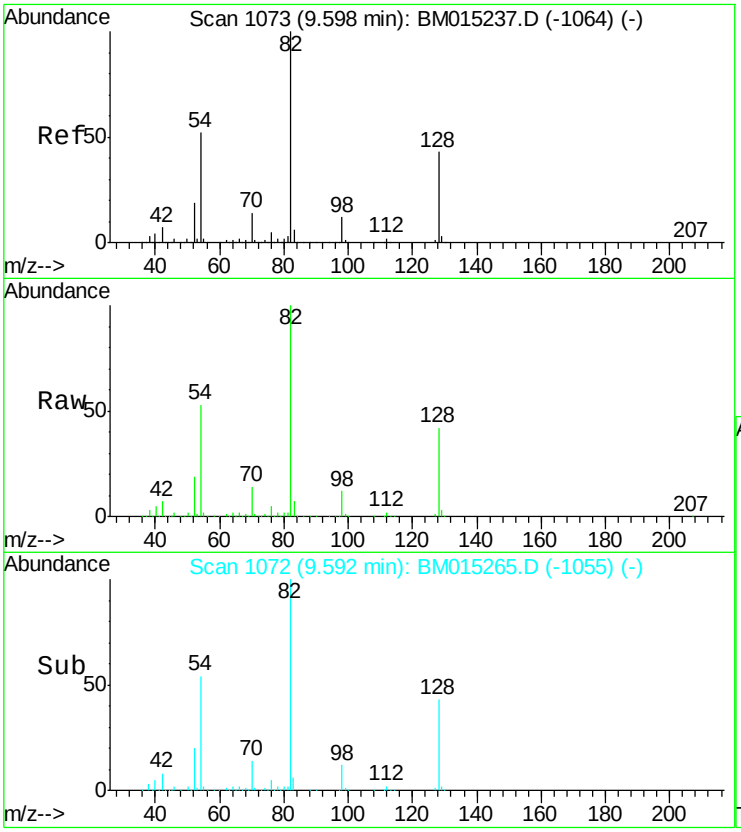


#22
Acetophenone
Concen: 20.312 ng
RT: 9.24 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:105 Resp: 528970

Ion	Ratio	Lower	Upper
105	100		
71	0.8	0.6	1.0
51	30.8	21.6	32.4
120	22.3	16.1	24.1



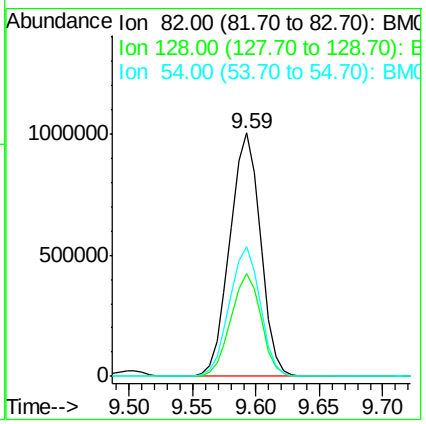


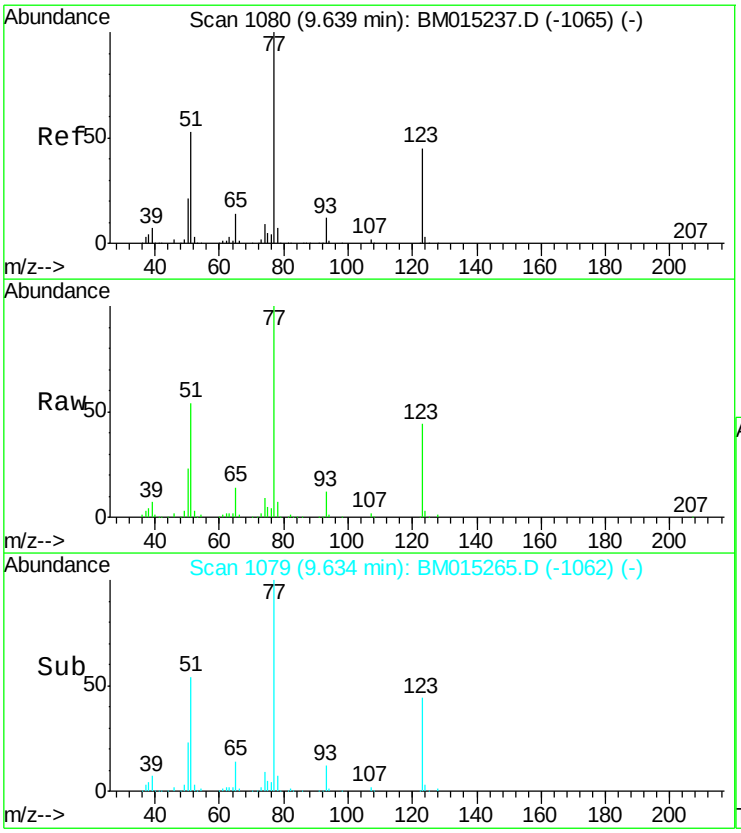
#23
Nitrobenzene-d5
Concen: 84.874 ng
RT: 9.59 min Scan# 1072
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion: 82 Resp: 1681950

Ion	Ratio	Lower	Upper
82	100		
128	42.2	32.8	49.2
54	53.2	40.6	60.8

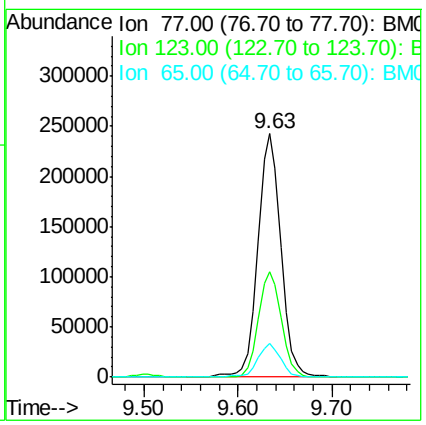


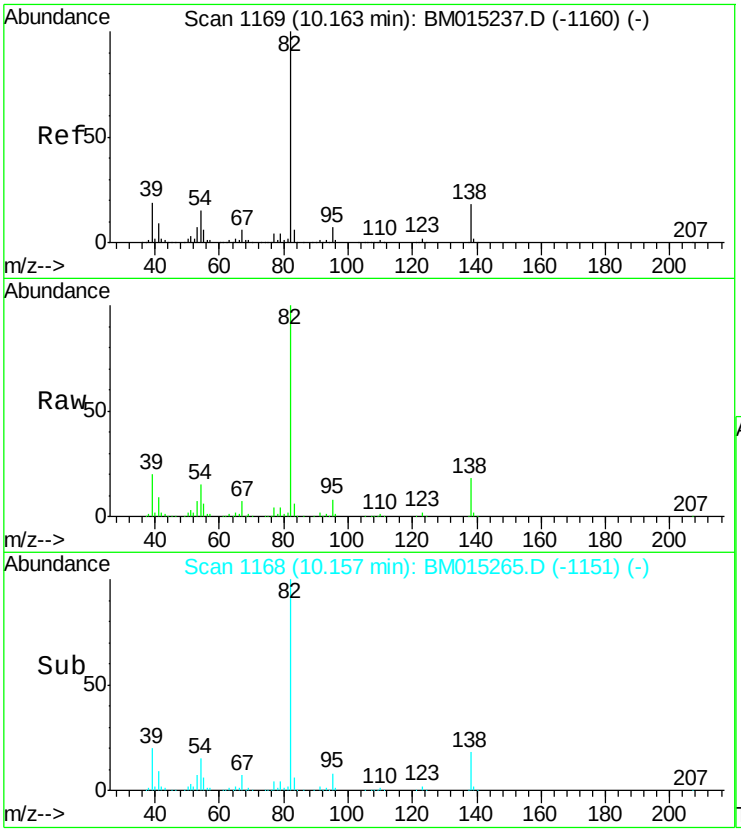


#24
Nitrobenzene
Concen: 19.836 ng
RT: 9.63 min Scan# 1079
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion: 77 Resp: 409308

Ion	Ratio	Lower	Upper
77	100		
123	43.5	32.6	49.0
65	14.0	10.9	16.3



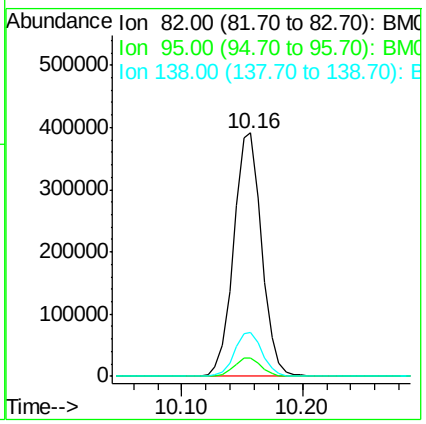


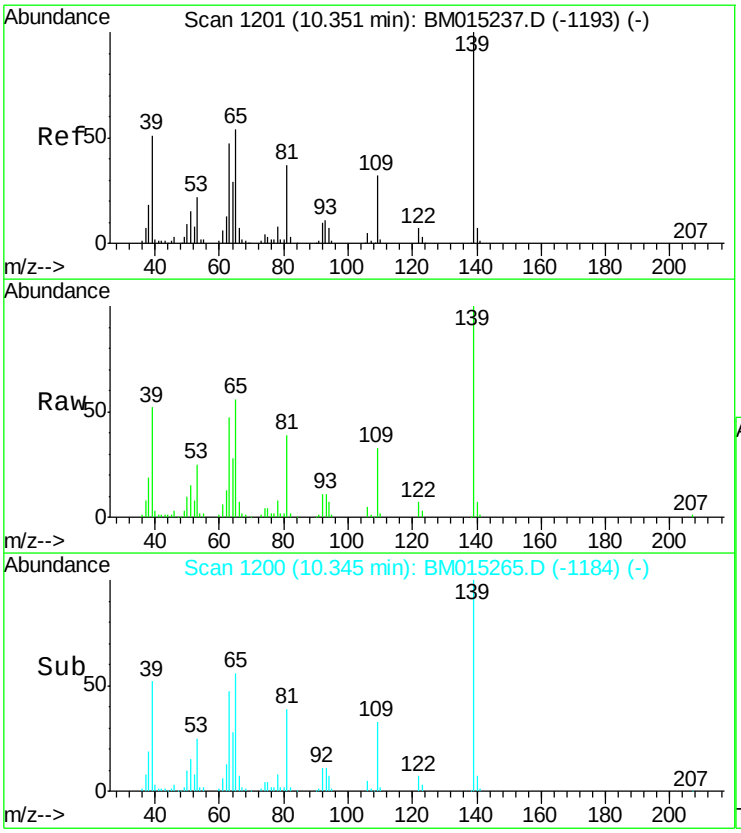
#25
Isophorone
Concen: 18.585 ng
RT: 10.16 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion: 82 Resp: 632602

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.8	8.6
138	18.1	16.3	24.5

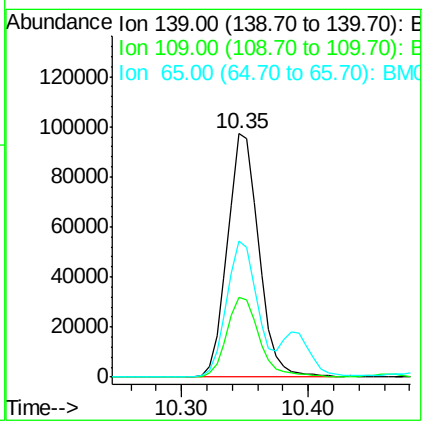


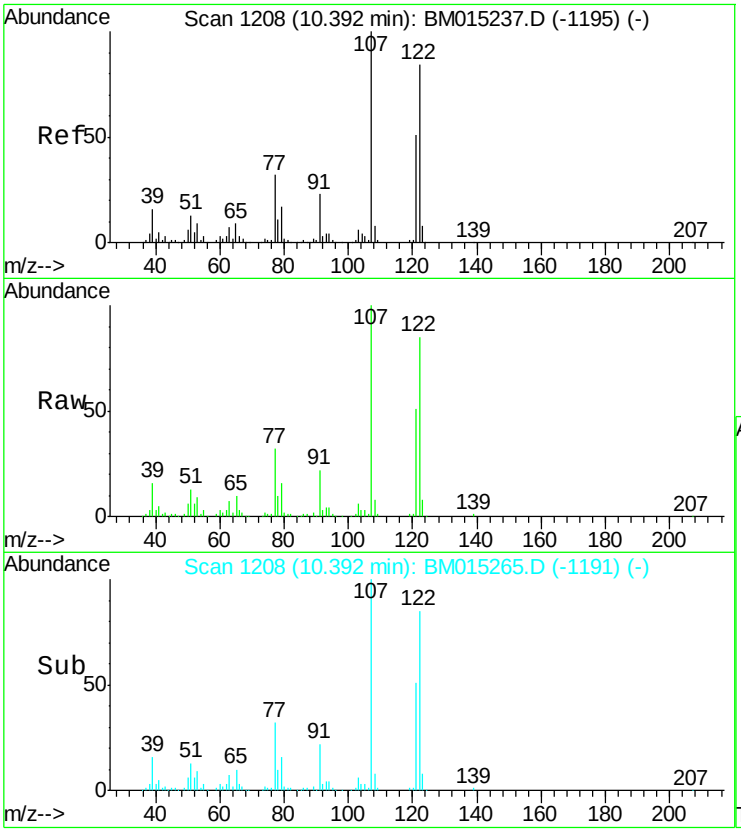


#26
2-Nitrophenol
Concen: 17.966 ng
RT: 10.35 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:139 Resp: 166327

Ion	Ratio	Lower	Upper
139	100		
109	33.0	20.1	30.1#
65	56.1	31.5	47.3#



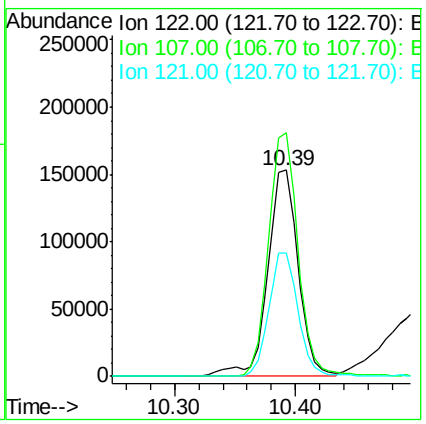


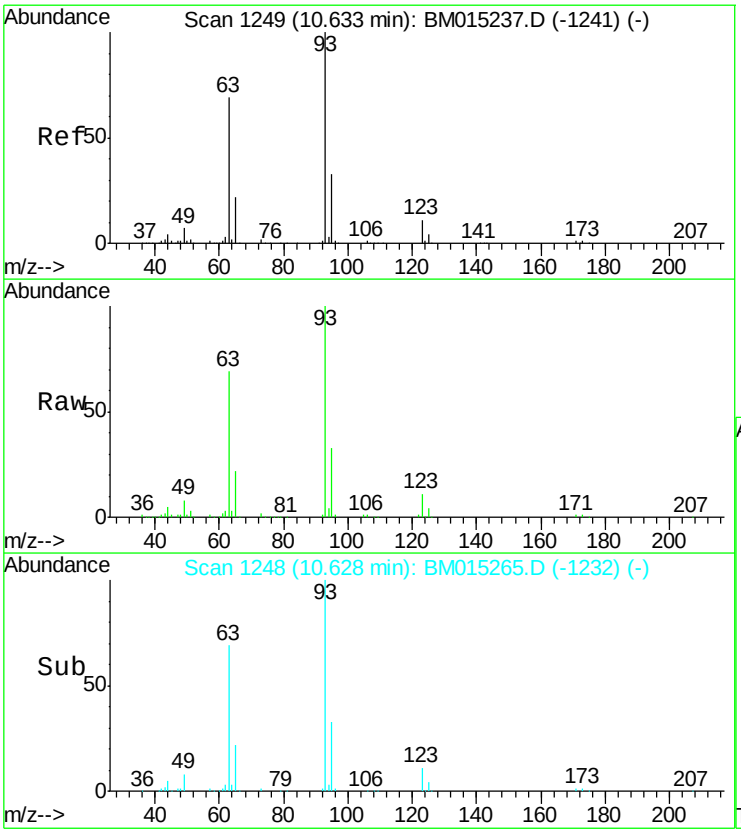
#27
2,4-Dimethylphenol
Concen: 15.910 ng
RT: 10.39 min Scan# 1208
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:122 Resp: 267149

Ion	Ratio	Lower	Upper
122	100		
107	118.0	84.7	127.1
121	59.7	46.6	69.8

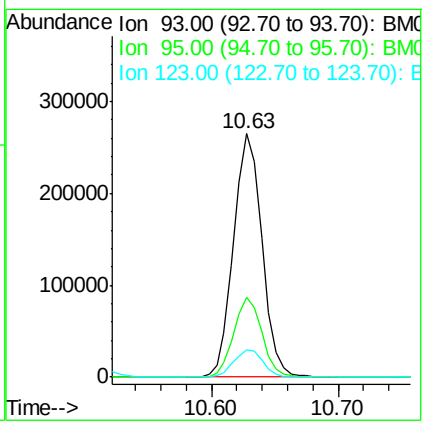


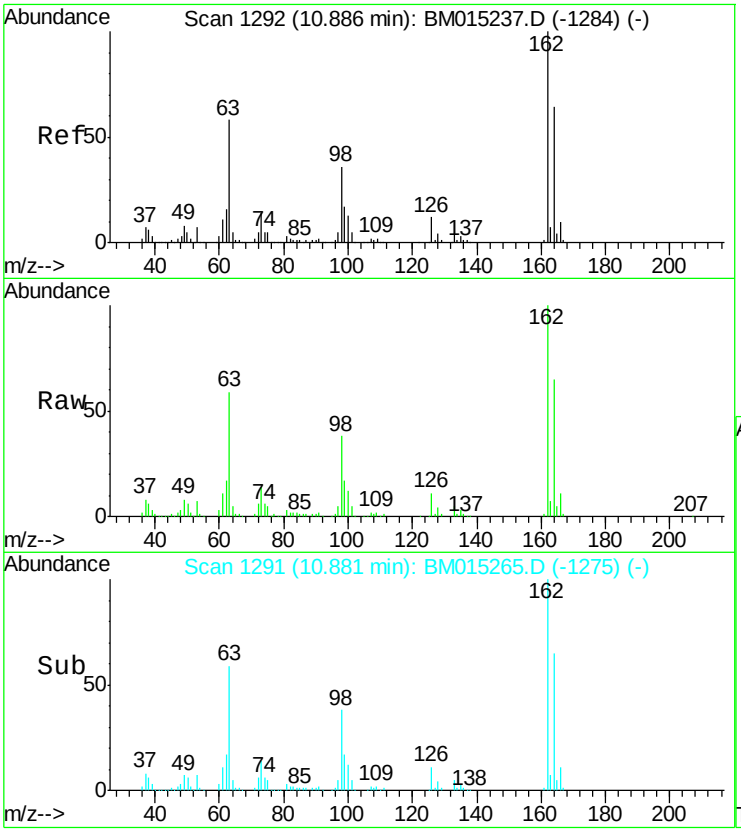


#28
bis(2-Chloroethoxy)methane
Concen: 18.466 ng
RT: 10.63 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion: 93 Resp: 411575

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.5	38.3
123	11.3	8.6	13.0



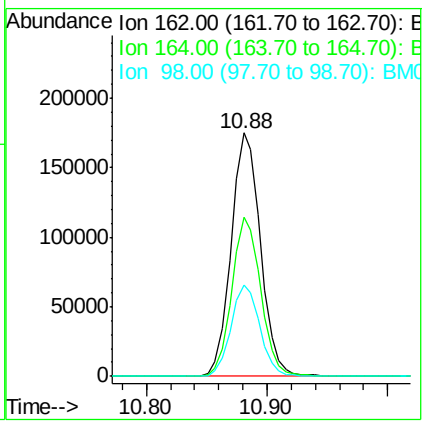


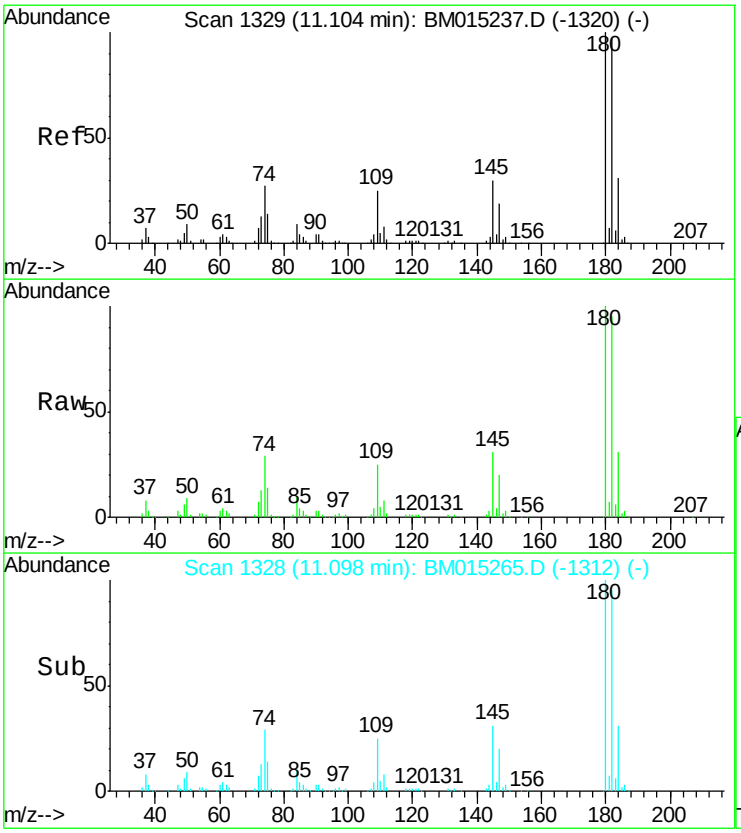
#29
2,4-Dichlorophenol
Concen: 18.721 ng
RT: 10.88 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:162 Resp: 297660

Ion	Ratio	Lower	Upper
162	100		
164	65.1	42.8	82.8
98	37.5	14.5	54.5

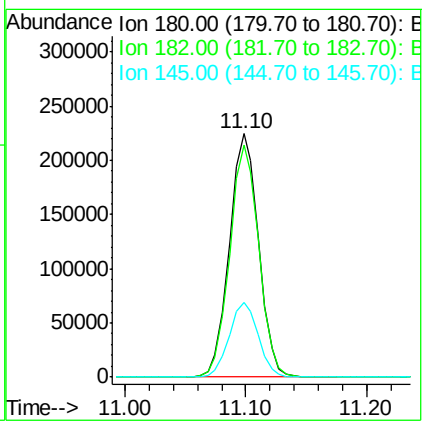


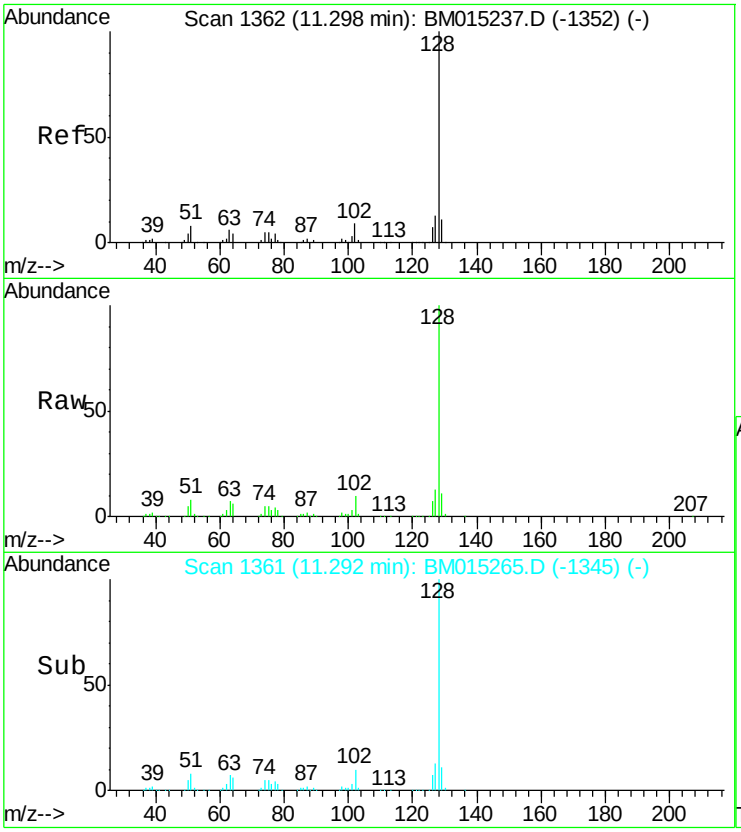


#30
1,2,4-Trichlorobenzene
Concen: 20.096 ng
RT: 11.10 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:180 Resp: 376447

Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.6	116.4
145	30.8	23.4	35.2



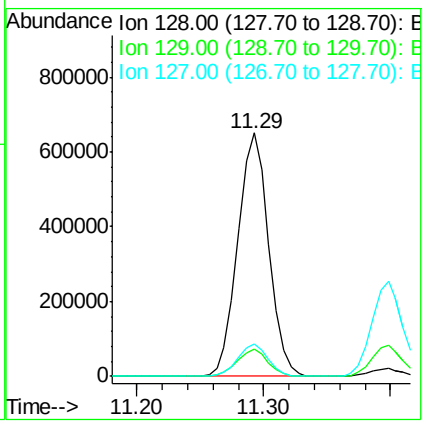


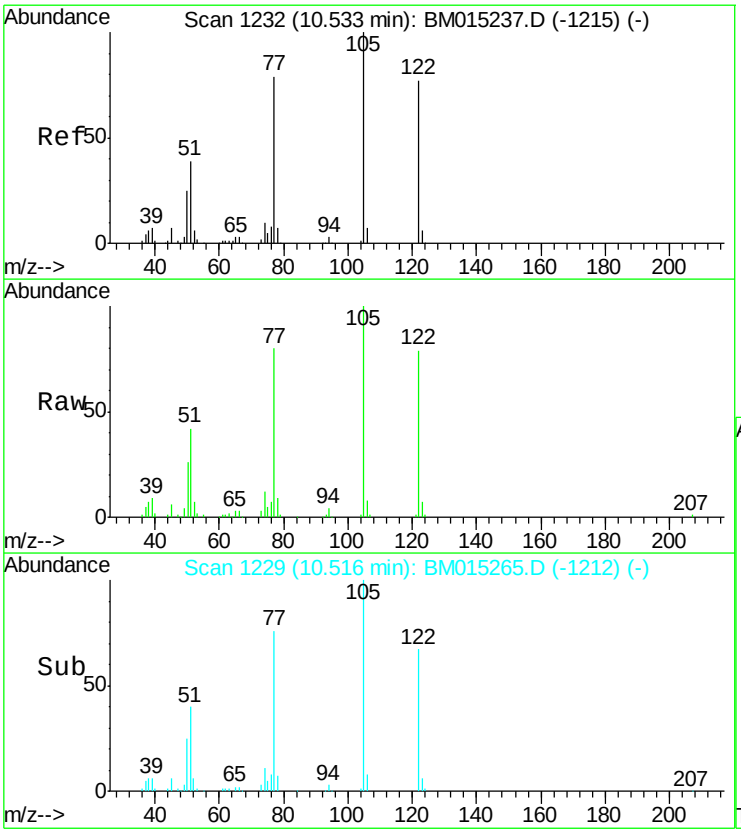
#31
Naphthalene
Concen: 19.491 ng
RT: 11.29 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:128 Resp: 1099781

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.1	10.4	15.6

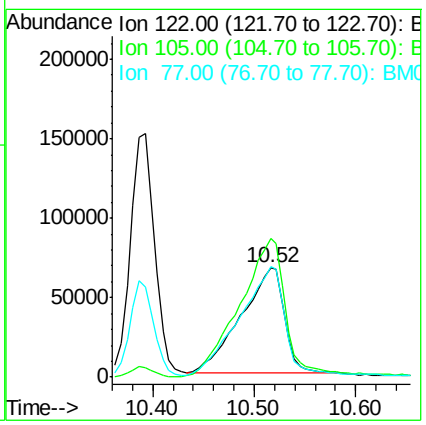


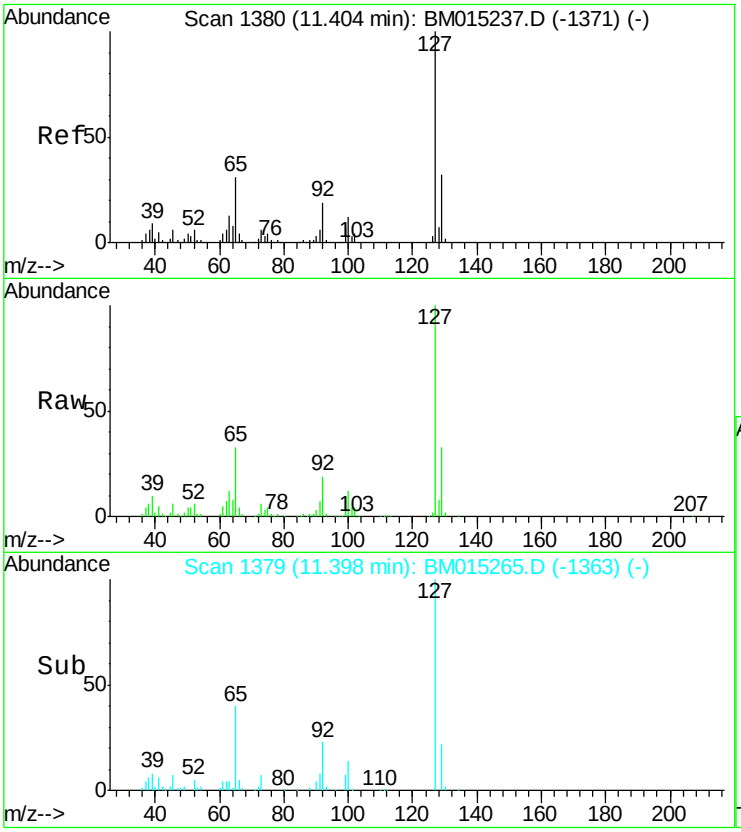


#32
Benzoic acid
Concen: 20.511 ng
RT: 10.52 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:122 Resp: 199223

Ion	Ratio	Lower	Upper
122	100		
105	126.3	99.9	139.9
77	101.4	73.7	113.7



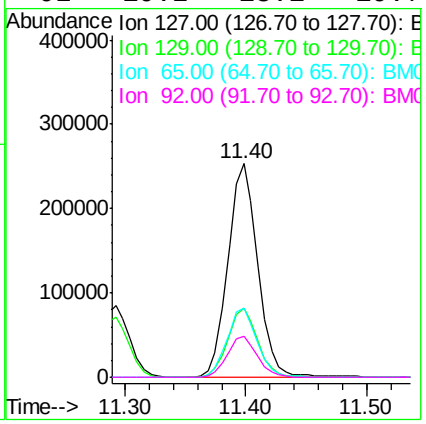


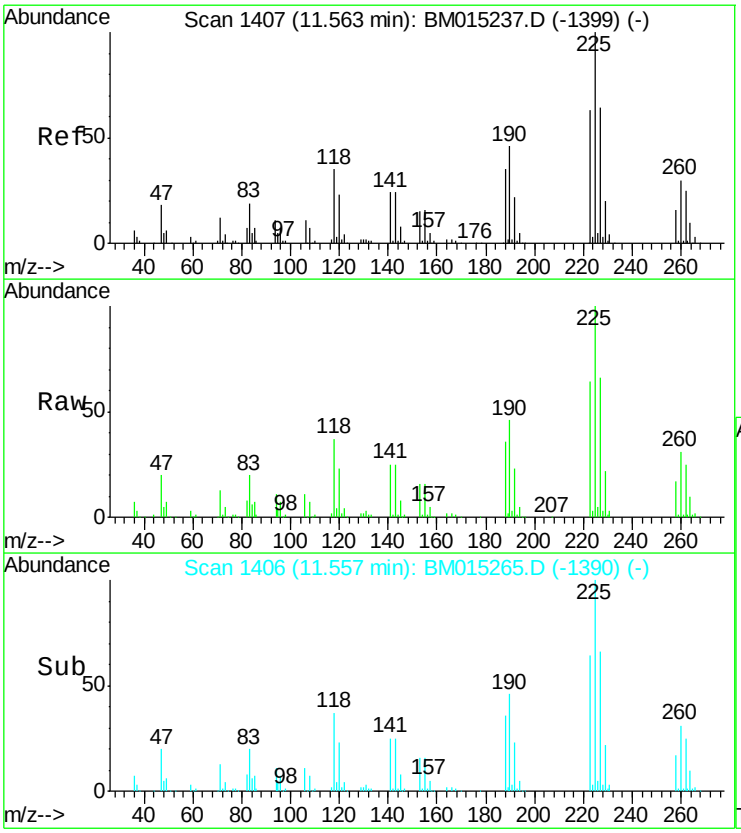
#33
4-Chloroaniline
Concen: 19.309 ng
RT: 11.40 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:127 Resp: 434795

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.3	37.9
65	32.5	17.6	26.4#
92	19.2	13.1	19.7

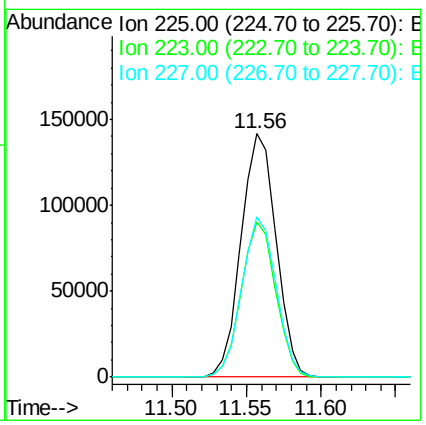


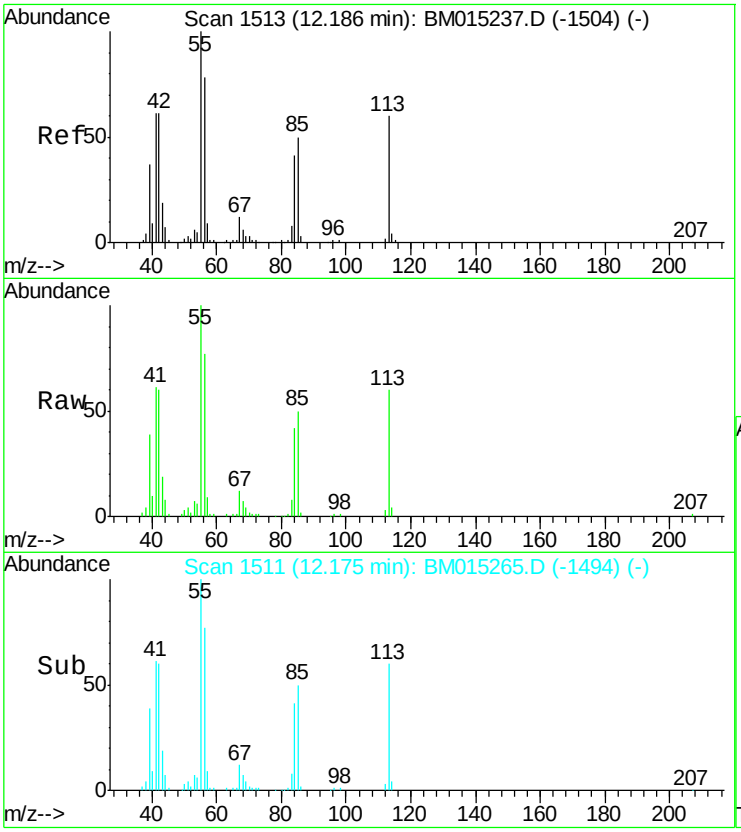


#34
Hexachlorobutadiene
Concen: 20.660 ng
RT: 11.56 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:225 Resp: 230141

Ion	Ratio	Lower	Upper
225	100		
223	63.6	47.9	71.9
227	65.7	50.1	75.1



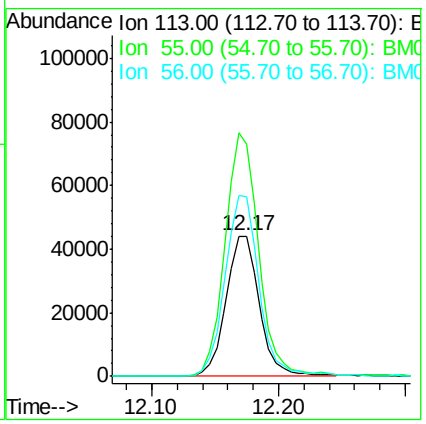


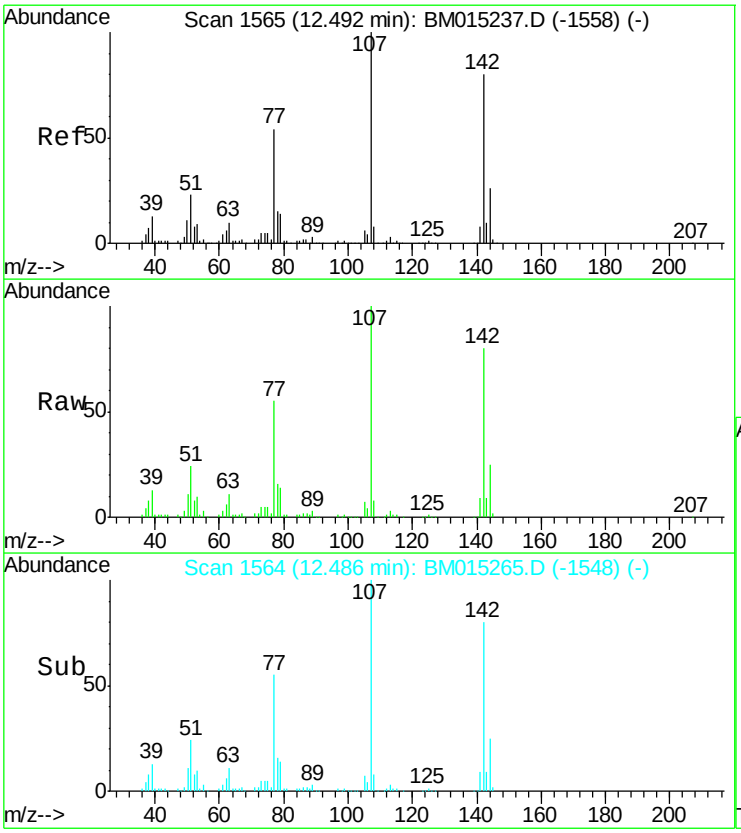
#35
Caprolactam
Concen: 17.816 ng
RT: 12.17 min Scan# 1511
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:113 Resp: 80176

Ion	Ratio	Lower	Upper
113	100		
55	166.1	145.9	185.9
56	128.6	101.0	141.0

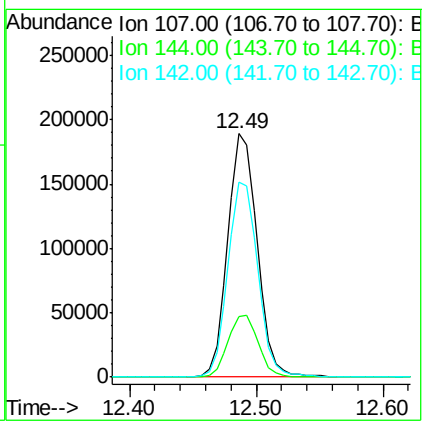


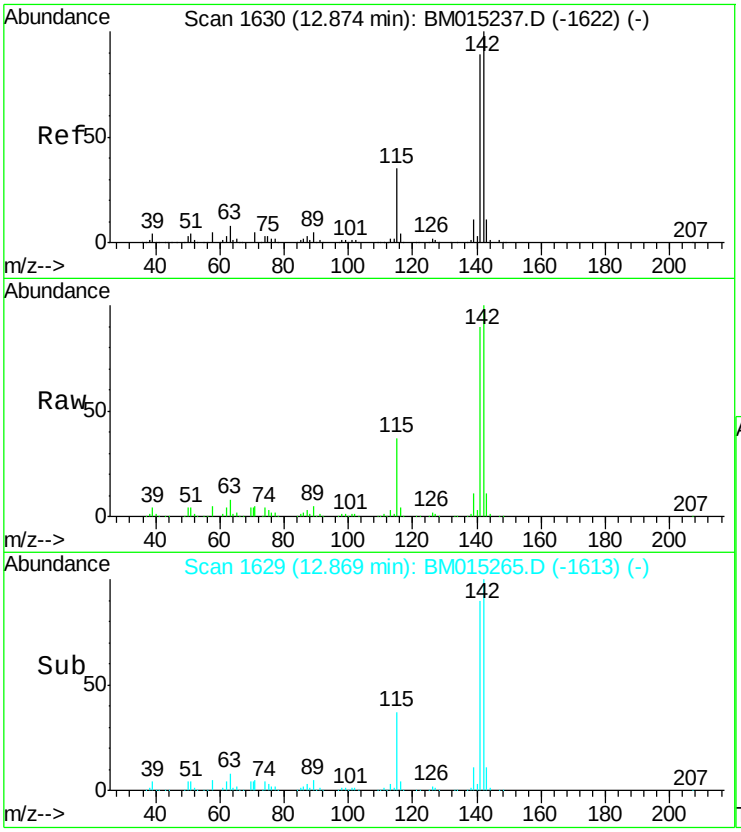


#36
4-Chloro-3-methylphenol
Concen: 18.761 ng
RT: 12.49 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:107 Resp: 304735

Ion	Ratio	Lower	Upper
107	100		
144	25.1	23.3	34.9
142	80.1	72.6	109.0



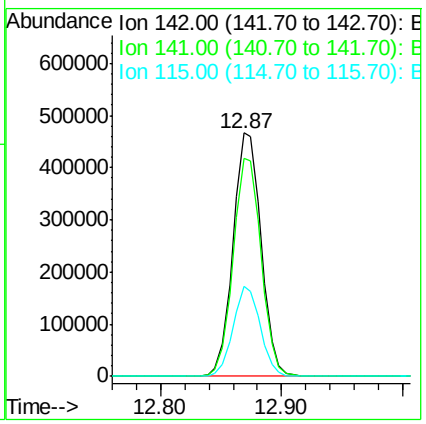


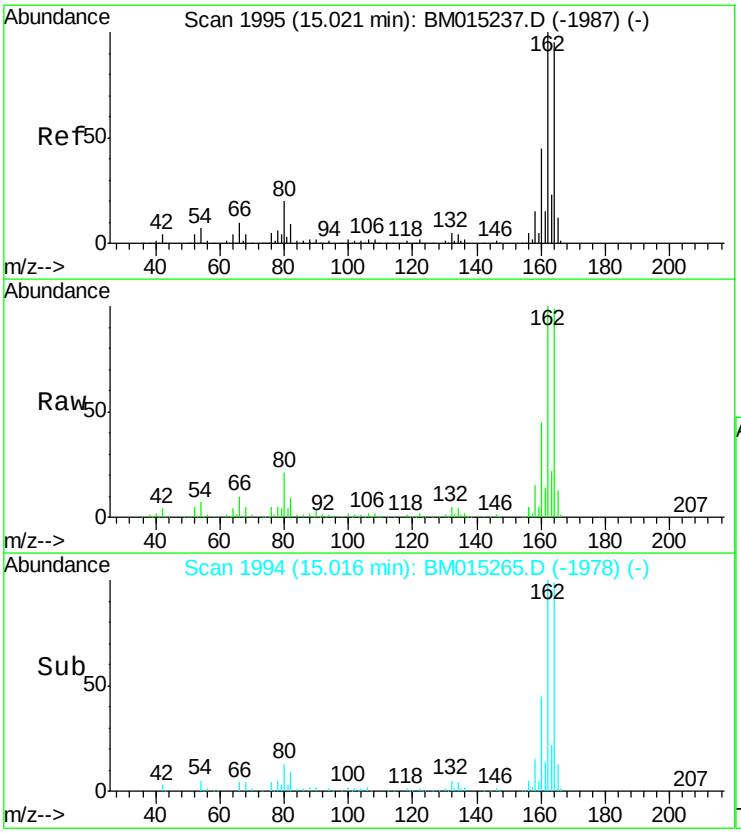
#37
2-Methylnaphthalene
Concen: 19.284 ng
RT: 12.87 min Scan# 1629
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:142 Resp: 754065

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.9	107.9
115	36.8	25.4	38.0

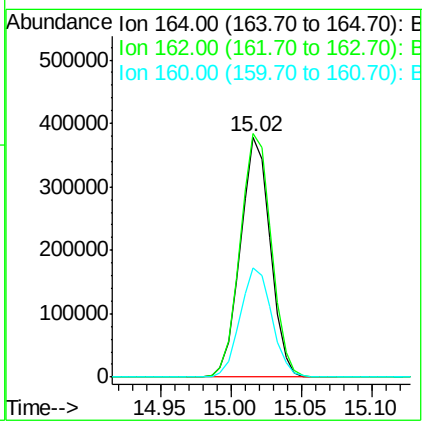


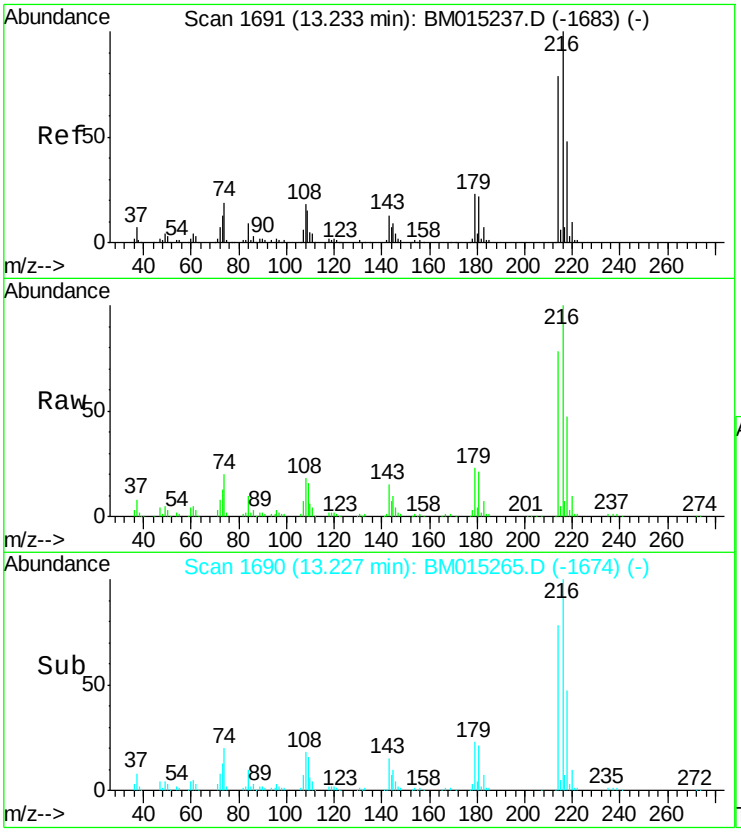


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.02 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:164 Resp: 560007

Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.4	123.6
160	45.7	35.8	53.6



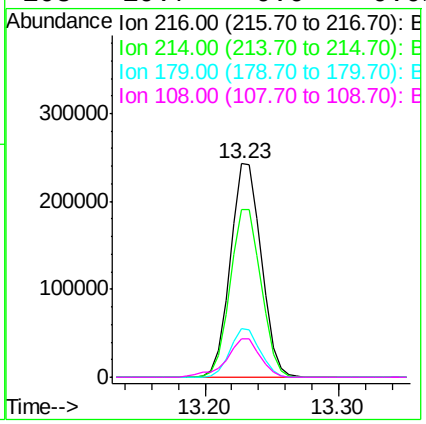


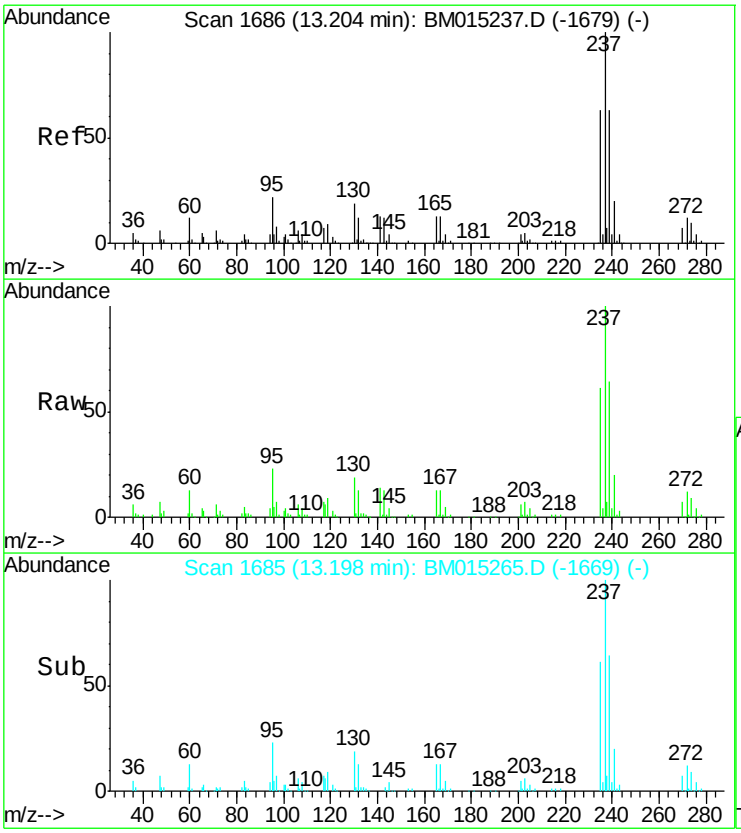
#39
1,2,4,5-Tetrachlorobenzene
Concen: 19.857 ng
RT: 13.23 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:216 Resp: 391687

Ion	Ratio	Lower	Upper
216	100		
214	78.9	0.0	0.0#
179	22.3	0.0	0.0#
108	19.7	0.0	0.0#

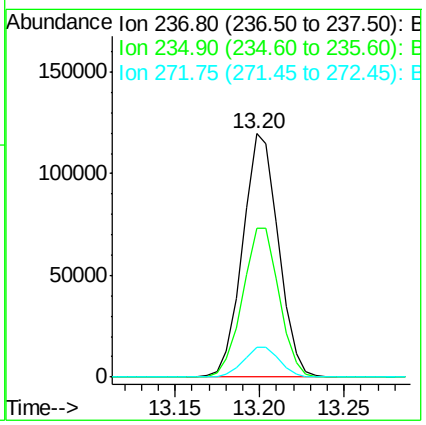


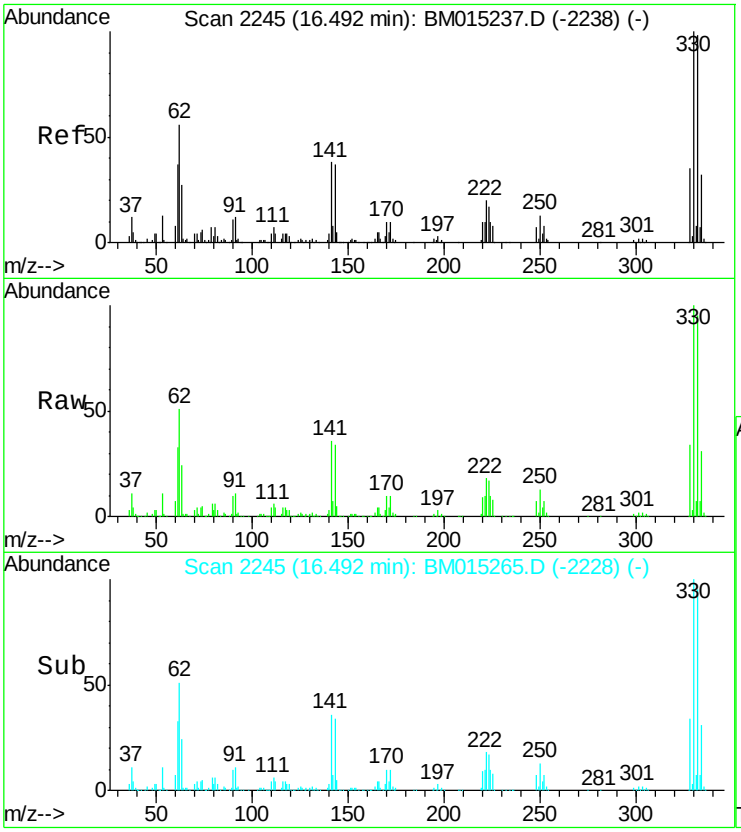


#40
Hexachlorocyclopentadiene
Concen: 18.026 ng
RT: 13.20 min Scan# 1685
Delta R.T. -0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:237 Resp: 176037

Ion	Ratio	Lower	Upper
237	100		
235	61.3	42.0	82.0
272	12.4	0.0	33.4



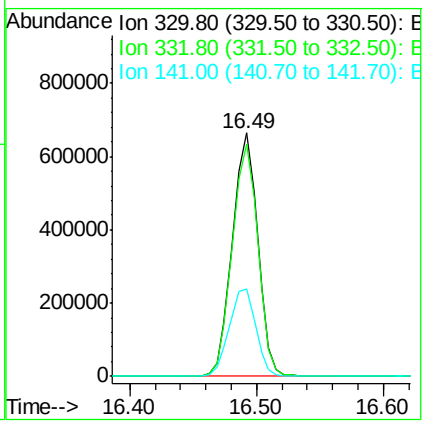


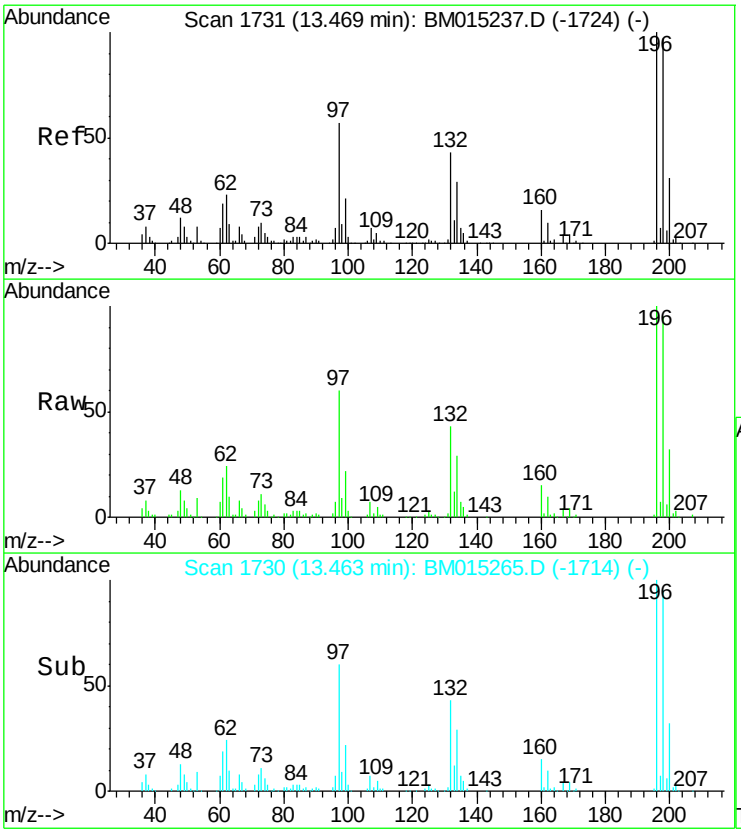
#41
2,4,6-Tribromophenol
Concen: 130.808 ng
RT: 16.49 min Scan# 2245
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:330 Resp: 918571

Ion	Ratio	Lower	Upper
330	100		
332	96.7	0.0	0.0#
141	37.7	0.0	0.0#

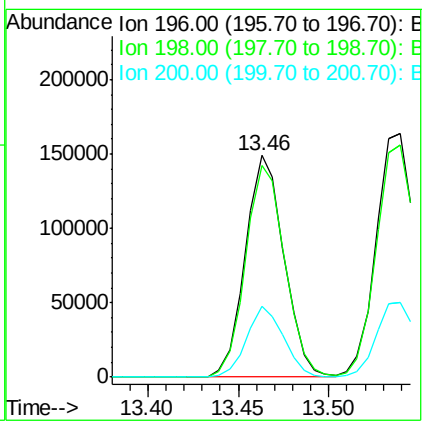


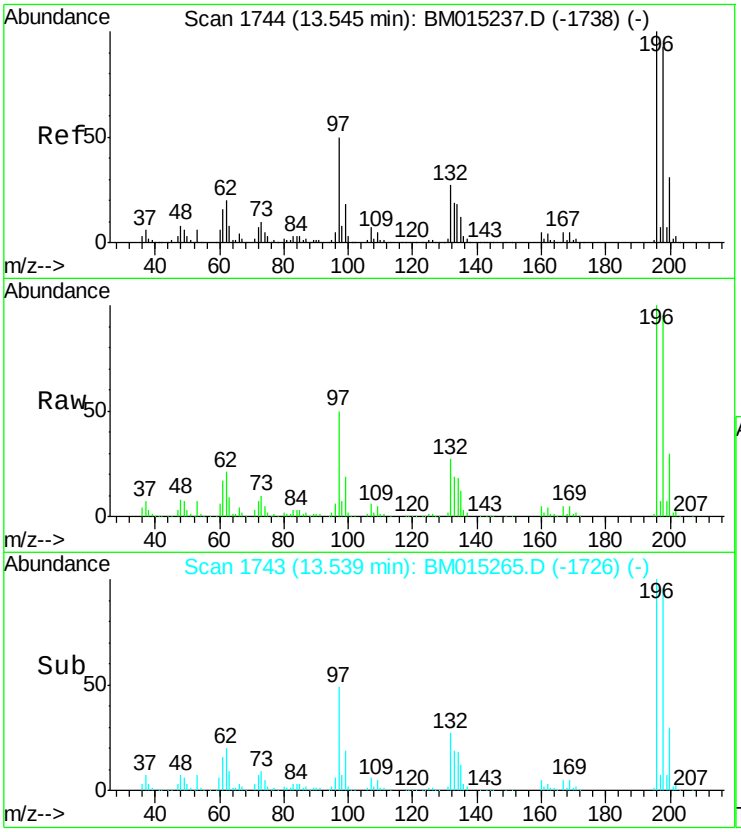


#42
2,4,6-Trichlorophenol
Concen: 18.727 ng
RT: 13.46 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:196 Resp: 221981

Ion	Ratio	Lower	Upper
196	100		
198	95.4	76.3	114.5
200	31.8	25.6	38.4



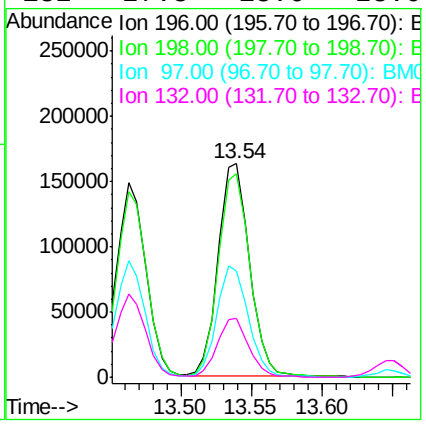


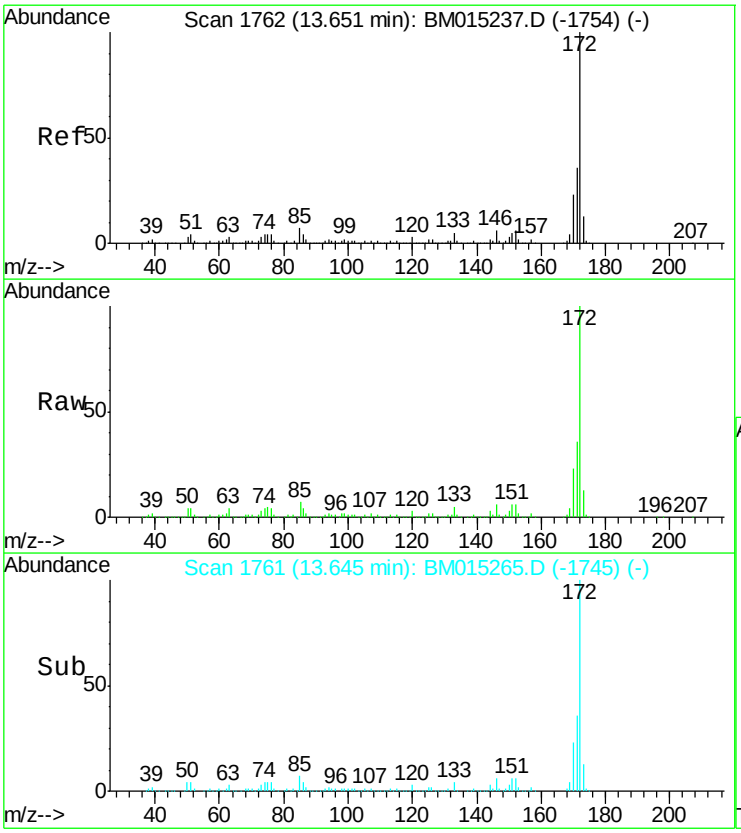
#43
2,4,5-Trichlorophenol
Concen: 19.766 ng
RT: 13.54 min Scan# 1743
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:196 Resp: 252991

Ion	Ratio	Lower	Upper
196	100		
198	95.3	79.4	119.0
97	49.6	26.8	40.2#
132	27.3	18.6	28.0

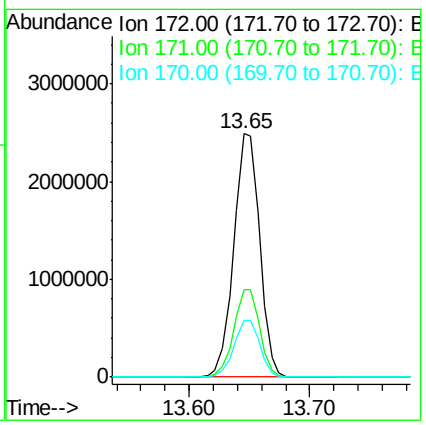


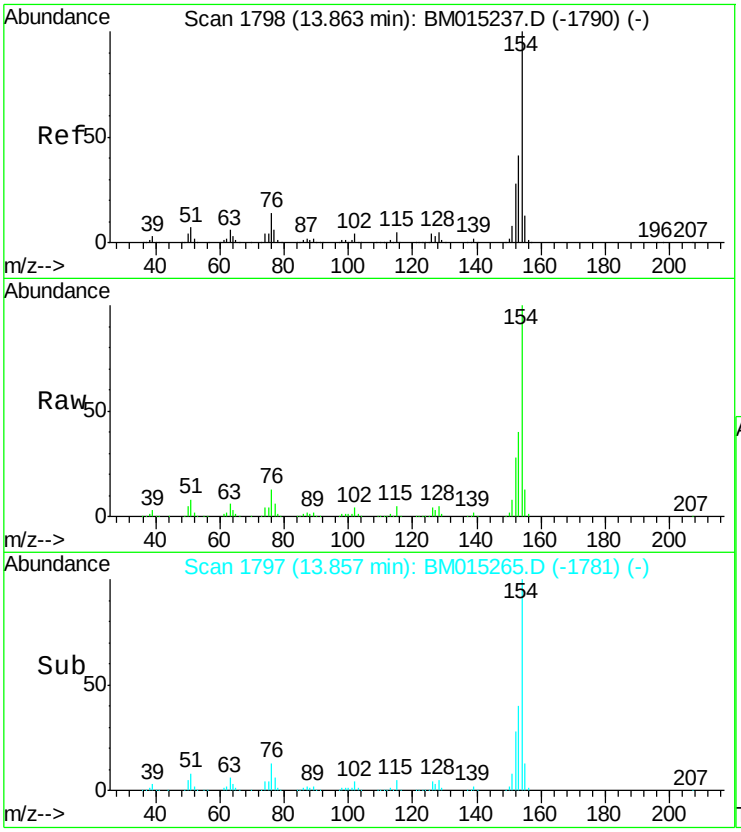


#44
2-Fluorobiphenyl
Concen: 82.416 ng
RT: 13.65 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:172 Resp: 3712698

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.5	42.7
170	23.3	18.8	28.2



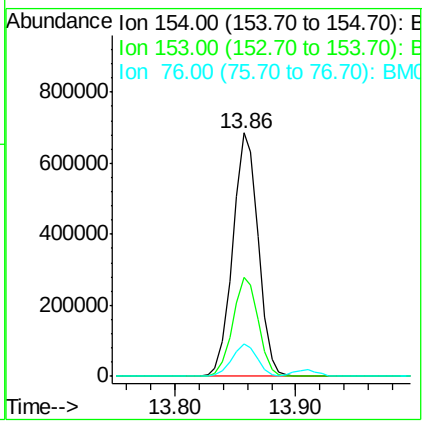


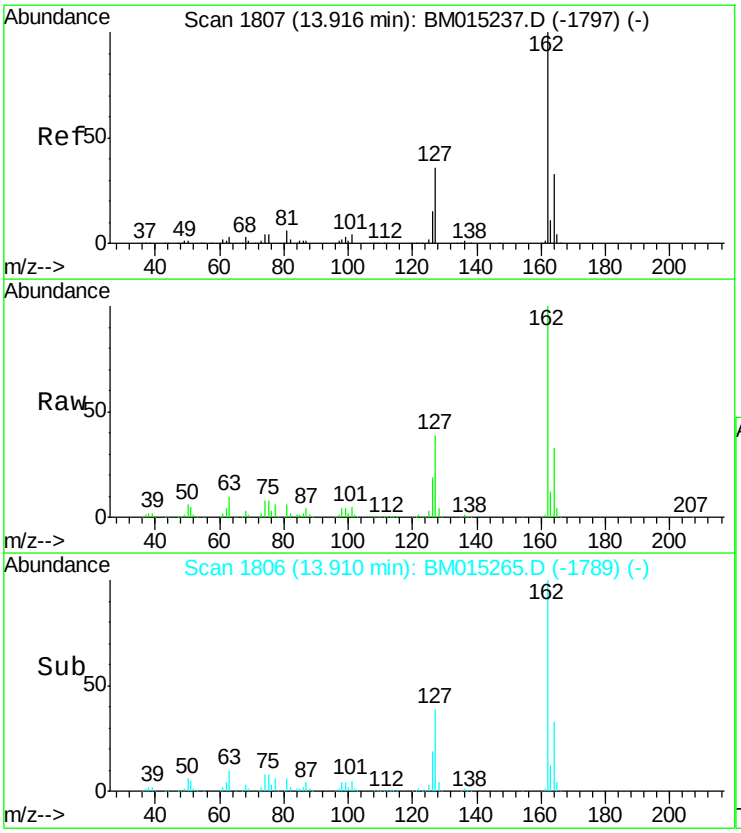
#45
1,1'-Biphenyl
Concen: 20.522 ng
RT: 13.86 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:154 Resp: 1005531

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.7	60.7
76	13.3	0.0	30.9

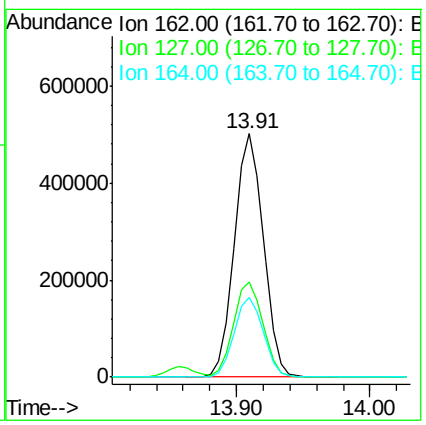


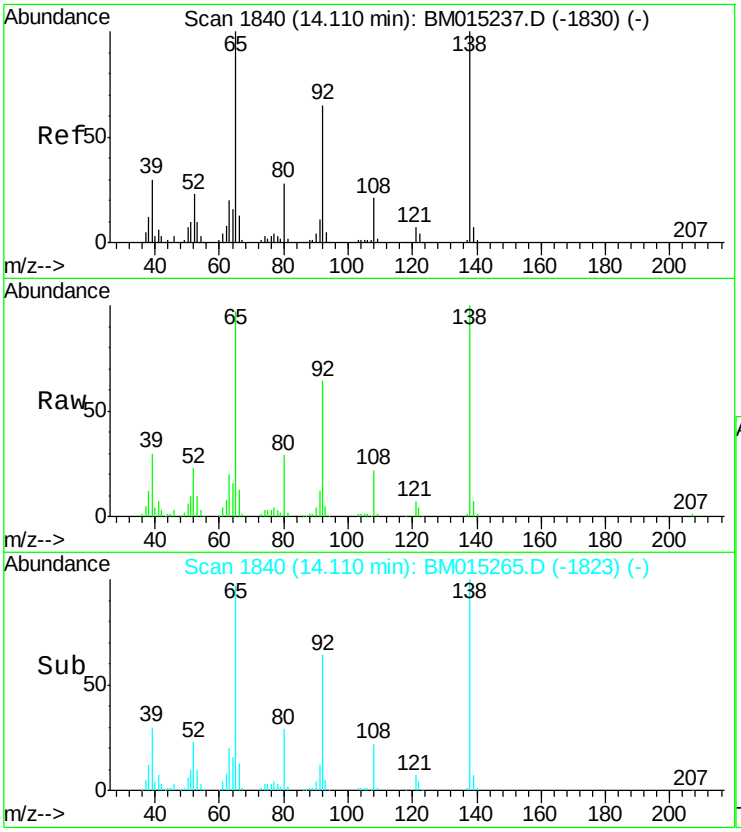


#46
2-Chloronaphthalene
Concen: 20.085 ng
RT: 13.91 min Scan# 1806
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:162 Resp: 757385

Ion	Ratio	Lower	Upper
162	100		
127	38.9	26.9	40.3
164	33.0	26.8	40.2



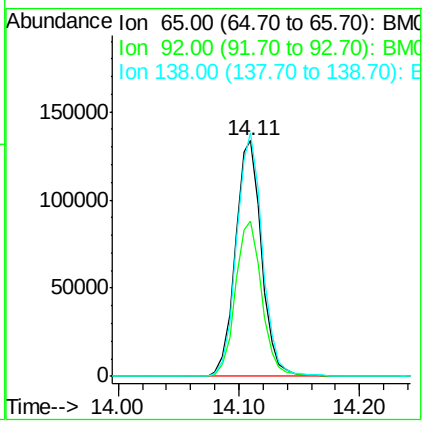


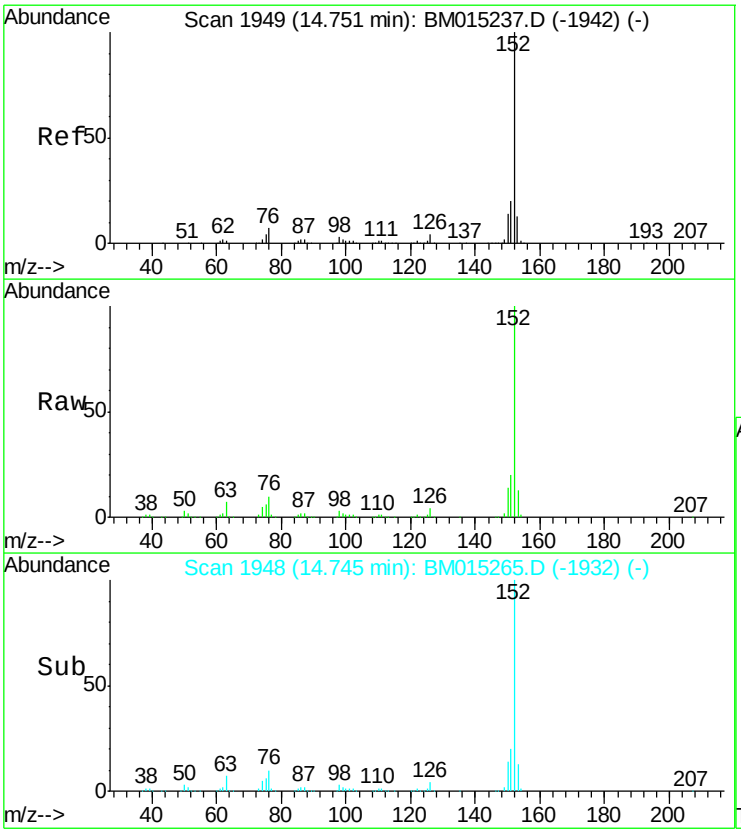
#47
2-Nitroaniline
Concen: 18.786 ng
RT: 14.11 min Scan# 1840
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion: 65 Resp: 201825

Ion	Ratio	Lower	Upper
65	100		
92	66.0	59.1	88.7
138	103.3	93.9	140.9

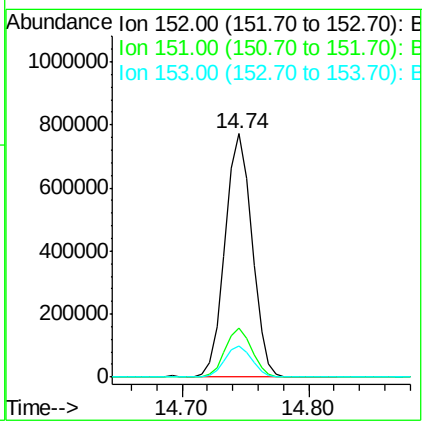


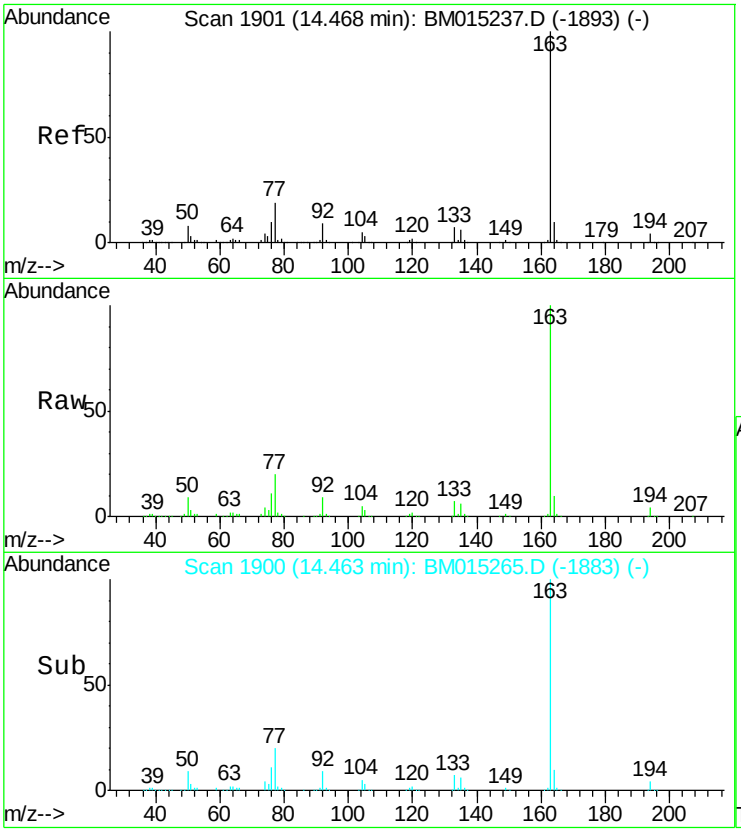


#48
Acenaphthylene
Concen: 20.231 ng
RT: 14.74 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:152 Resp: 1133223

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	12.9	10.6	16.0



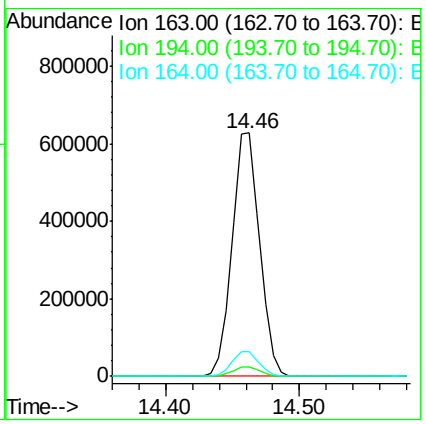


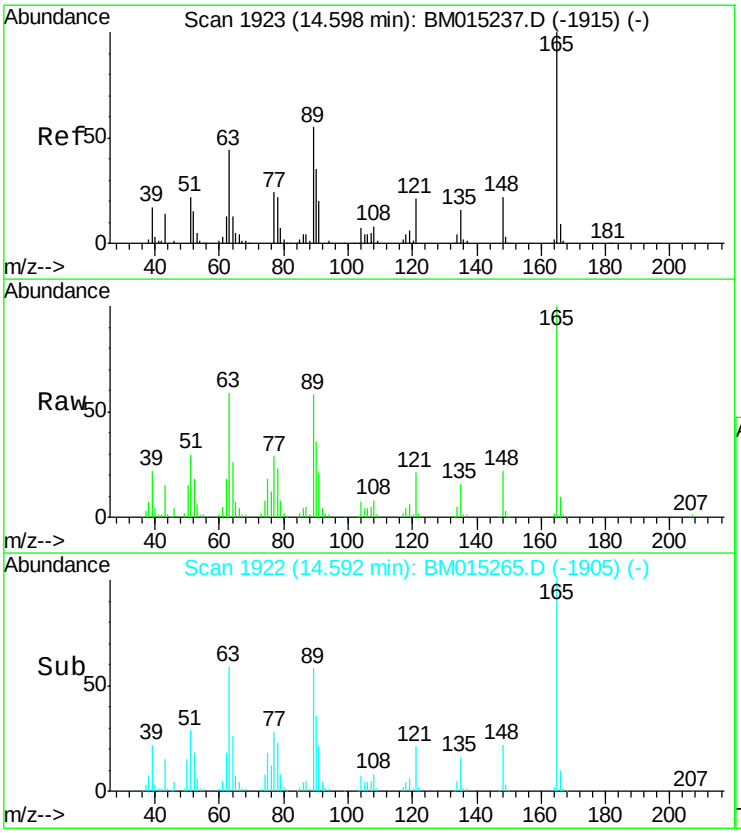
#49
Dimethylphthalate
Concen: 20.128 ng
RT: 14.46 min Scan# 1900
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:163 Resp: 899580

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	10.0	8.2	12.2

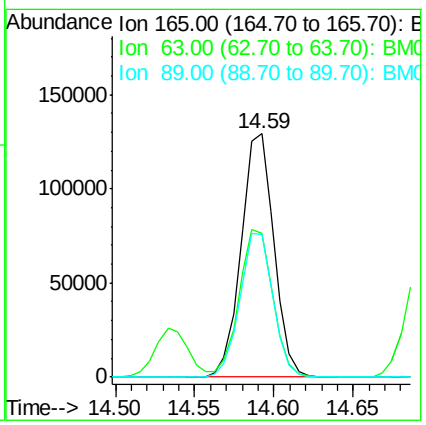


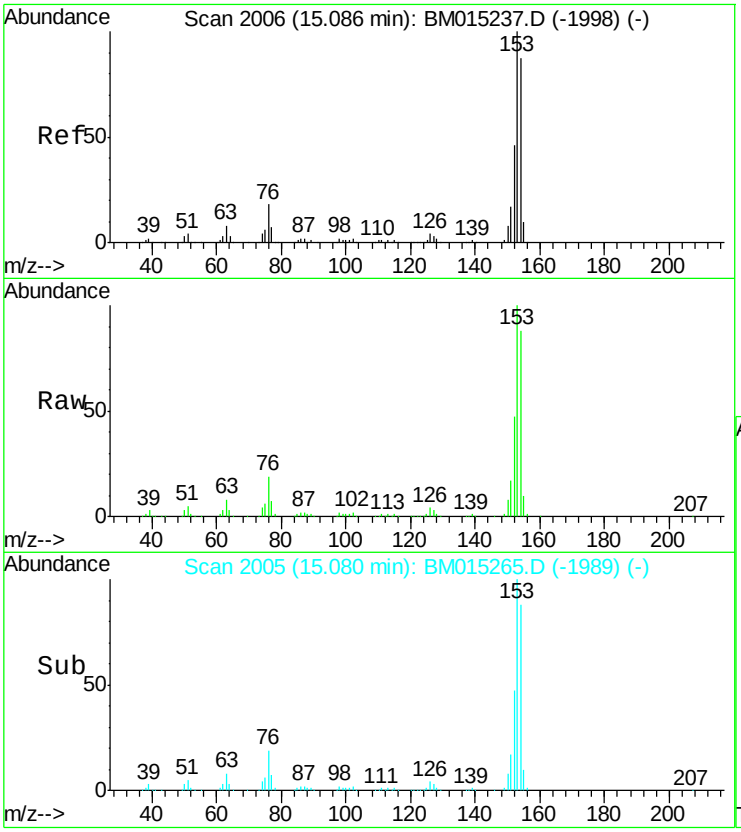


#50
2,6-Dinitrotoluene
Concen: 19.819 ng
RT: 14.59 min Scan# 1922
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:165 Resp: 184793

Ion	Ratio	Lower	Upper
165	100		
63	59.3	44.1	66.1
89	58.4	44.3	66.5



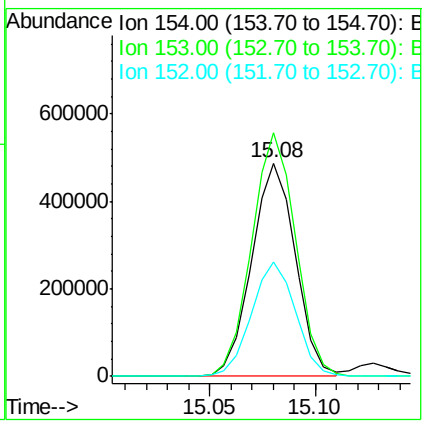


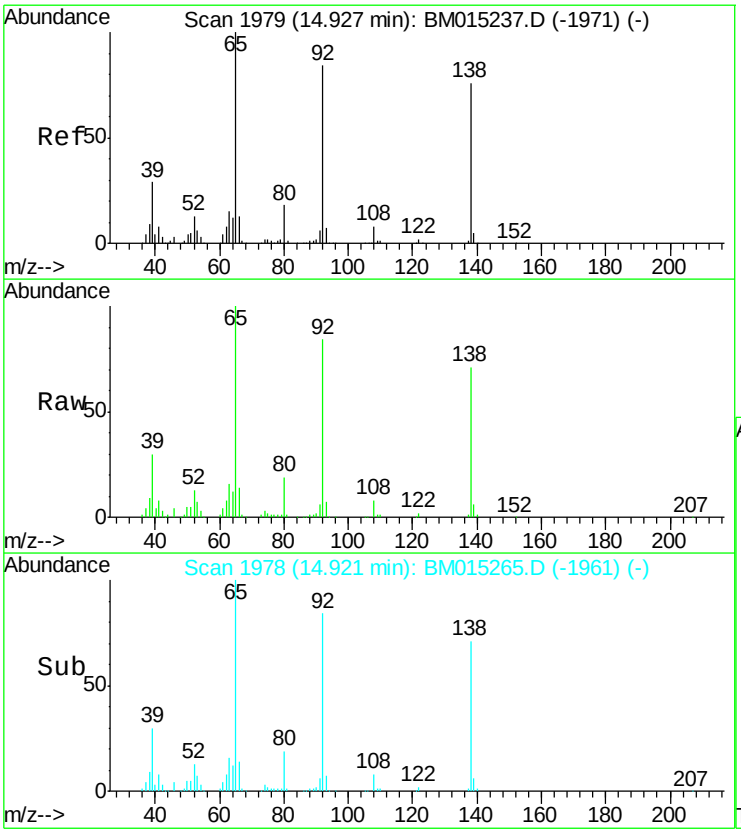
#51
Acenaphthene
Concen: 20.094 ng
RT: 15.08 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:154 Resp: 701113

Ion	Ratio	Lower	Upper
154	100		
153	114.1	90.0	135.0
152	53.6	42.6	63.8

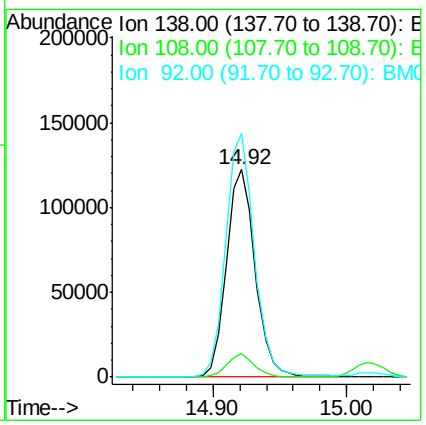


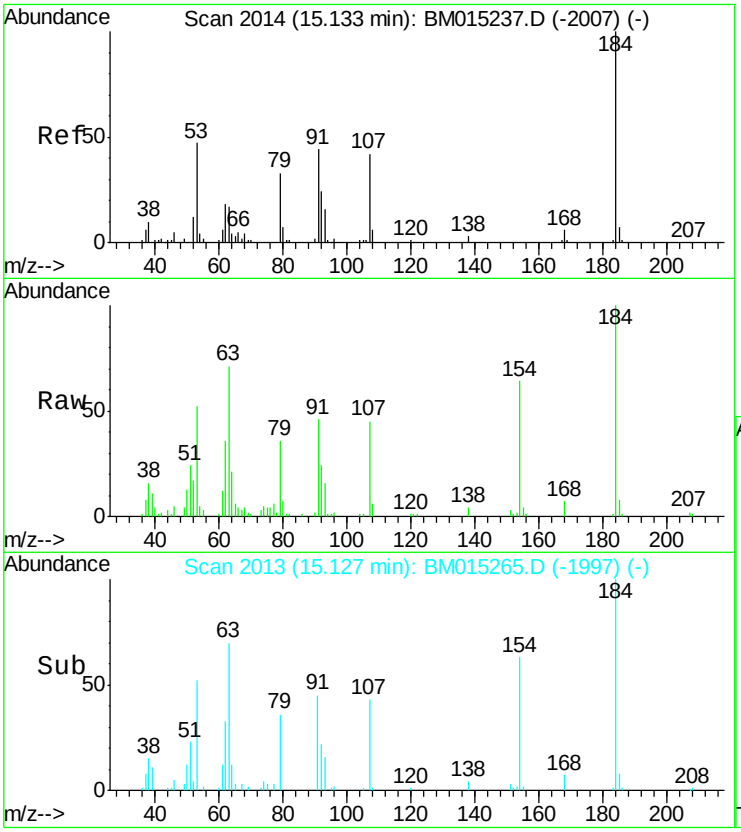


#52
3-Nitroaniline
Concen: 18.786 ng
RT: 14.92 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:138 Resp: 184446

Ion	Ratio	Lower	Upper
138	100		
108	11.2	7.3	10.9#
92	117.5	76.6	114.8#



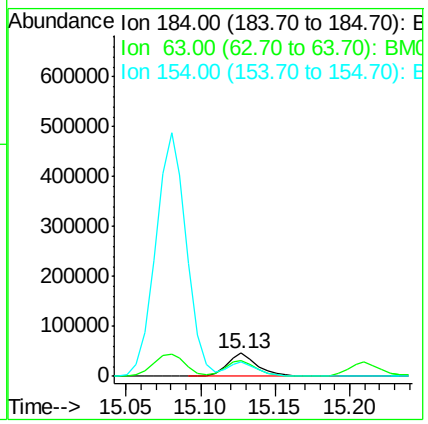


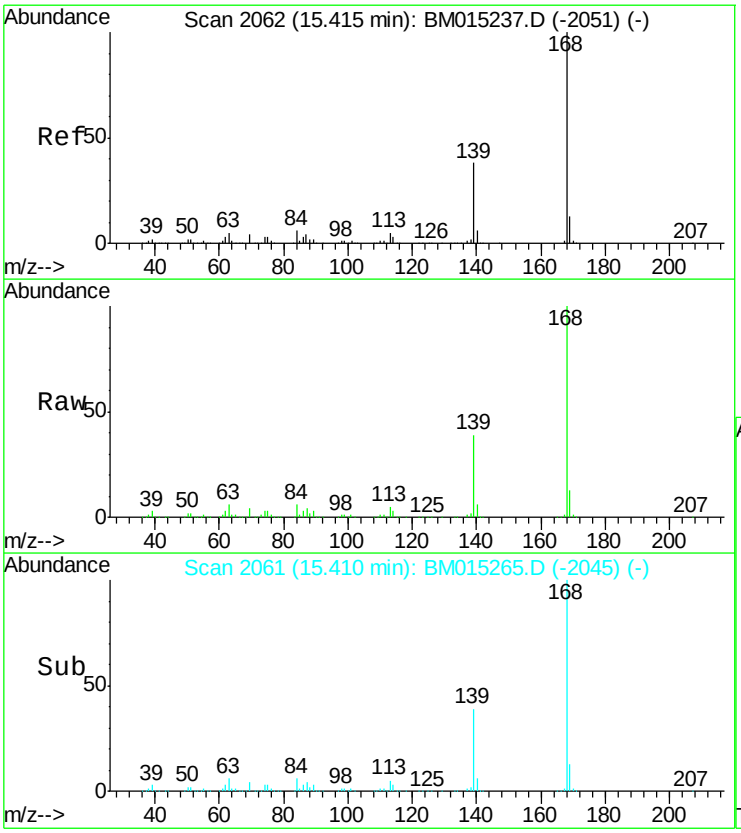
#53
2,4-Dinitrophenol
Concen: 17.573 ng
RT: 15.13 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:184 Resp: 66914

Ion	Ratio	Lower	Upper
184	100		
63	71.3	69.2	103.8
154	63.8	53.3	79.9

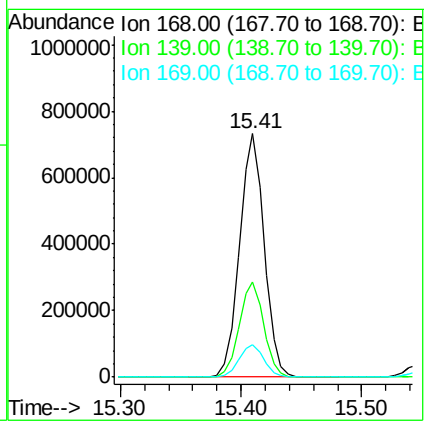


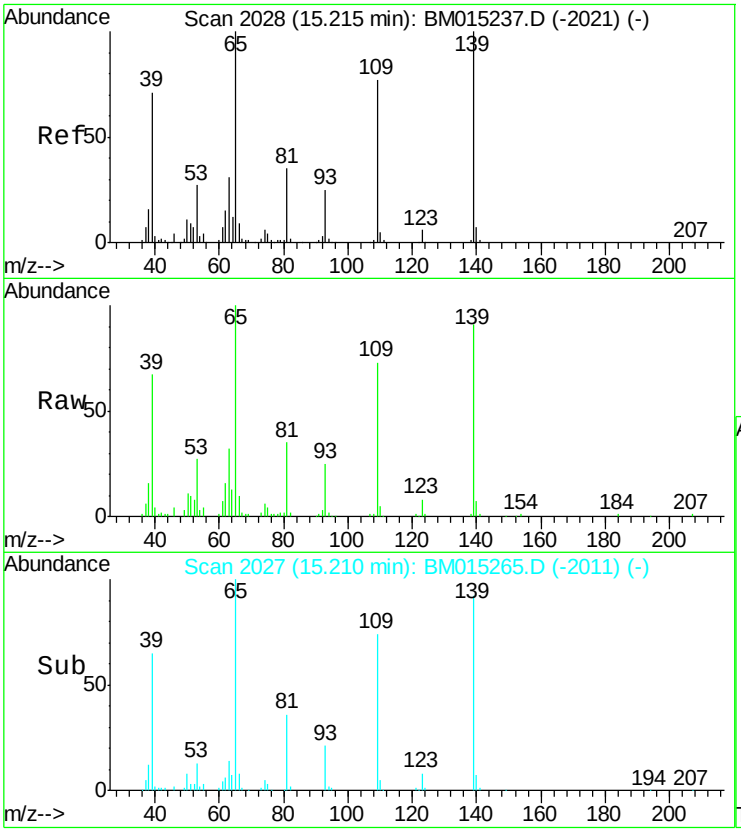


#54
Dibenzofuran
Concen: 18.897 ng
RT: 15.41 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:168 Resp: 1039591

Ion	Ratio	Lower	Upper
168	100		
139	38.8	27.3	40.9
169	13.4	10.6	16.0



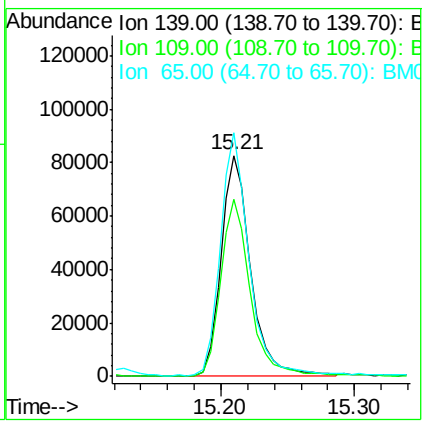


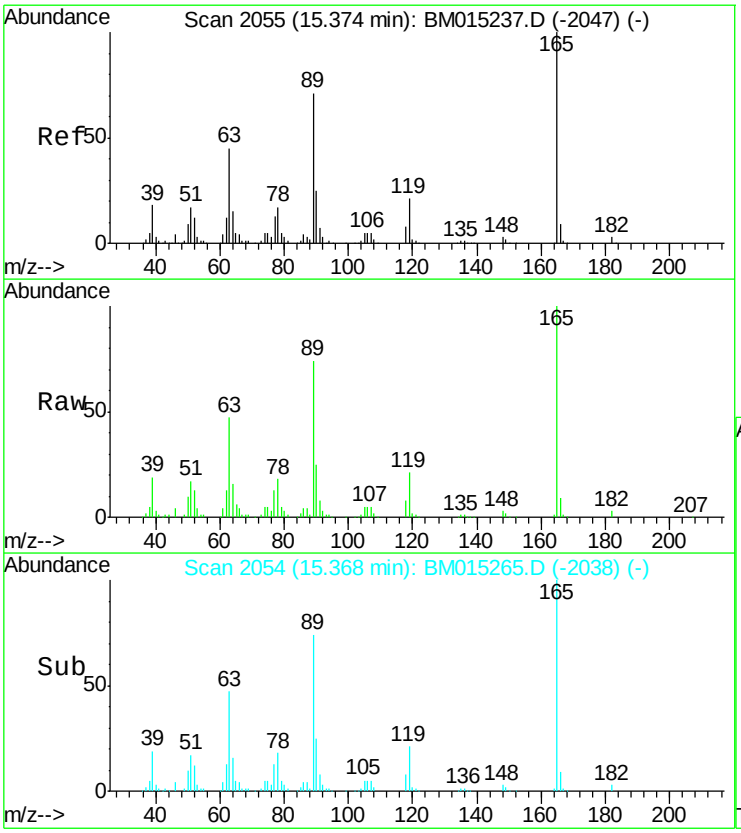
#55
4-Nitrophenol
Concen: 16.128 ng
RT: 15.21 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:139 Resp: 128434

Ion	Ratio	Lower	Upper
139	100		
109	80.3	130.0	170.0#
65	110.1	130.0	170.0#

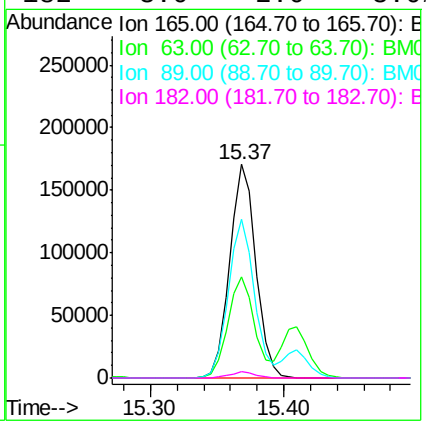


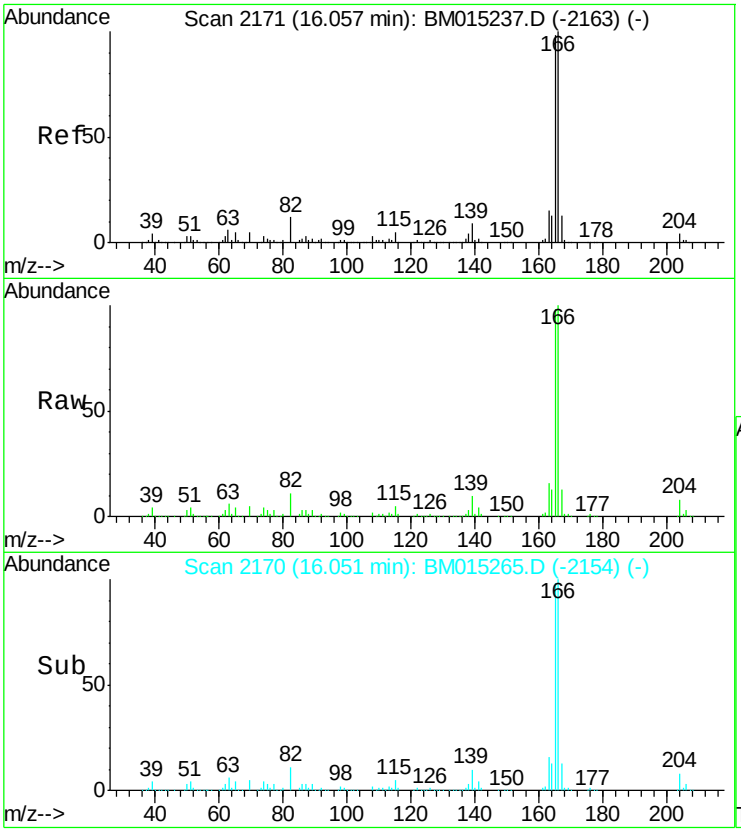


#56
2,4-Dinitrotoluene
Concen: 18.309 ng
RT: 15.37 min Scan# 2054
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:165 Resp: 233771

Ion	Ratio	Lower	Upper
165	100		
63	47.4	52.4	78.6#
89	74.3	72.4	108.6
182	3.0	2.0	3.0#



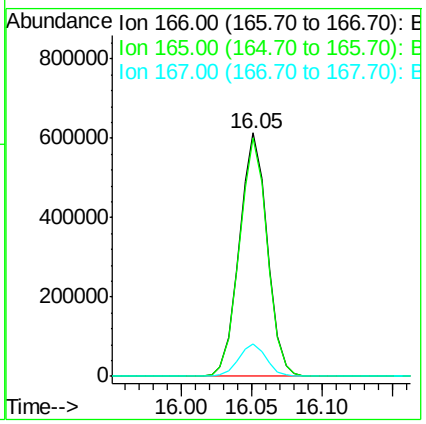


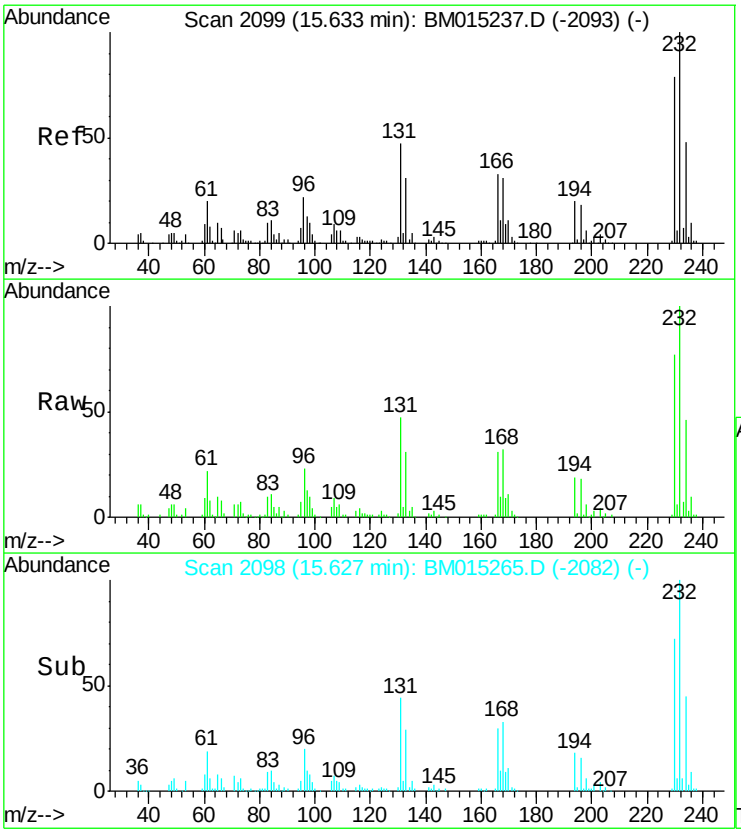
#57
Fluorene
Concen: 19.439 ng
RT: 16.05 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:166 Resp: 845129

Ion	Ratio	Lower	Upper
166	100		
165	98.1	79.0	118.4
167	13.4	10.3	15.5

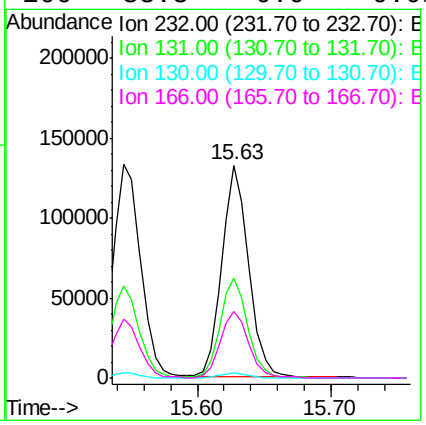


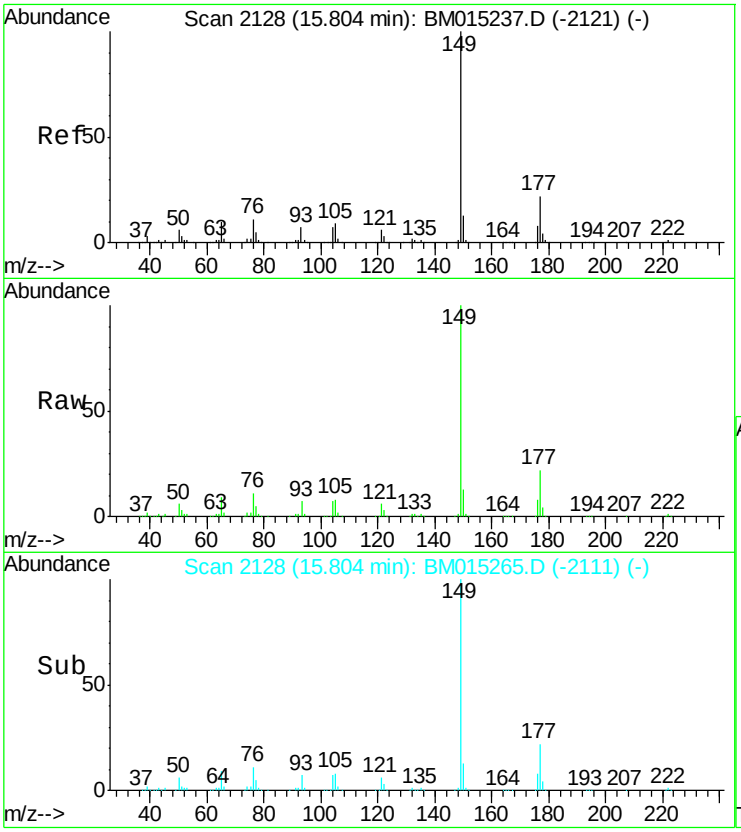


#58
2,3,4,6-Tetrachlorophenol
Concen: 16.963 ng
RT: 15.63 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:232 Resp: 186183

Ion	Ratio	Lower	Upper
232	100		
131	48.9	0.0	0.0#
130	2.6	0.0	0.0#
166	33.3	0.0	0.0#



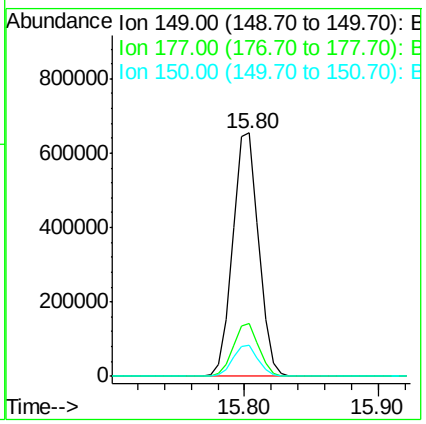


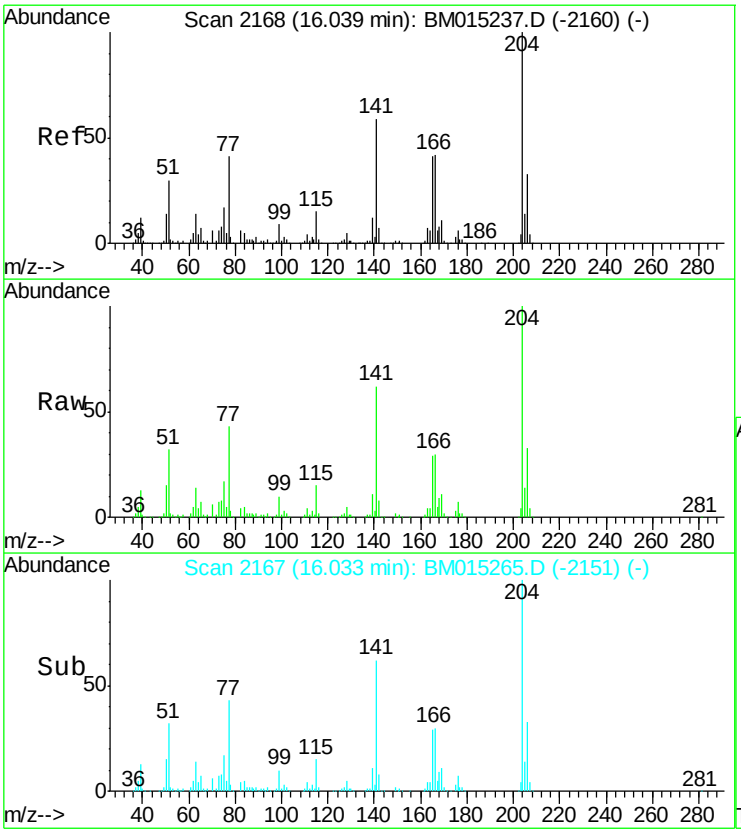
#59
Diethylphthalate
Concen: 20.090 ng
RT: 15.80 min Scan# 2128
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:149 Resp: 885097

Ion	Ratio	Lower	Upper
149	100		
177	21.7	18.3	27.5
150	12.7	9.8	14.8

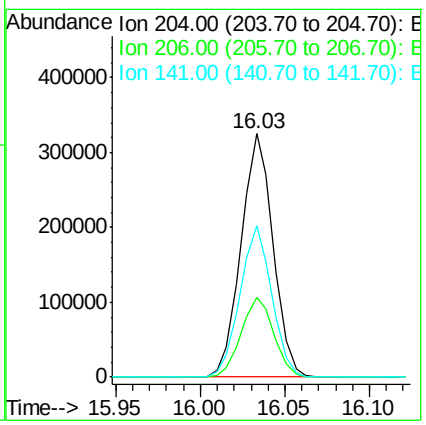


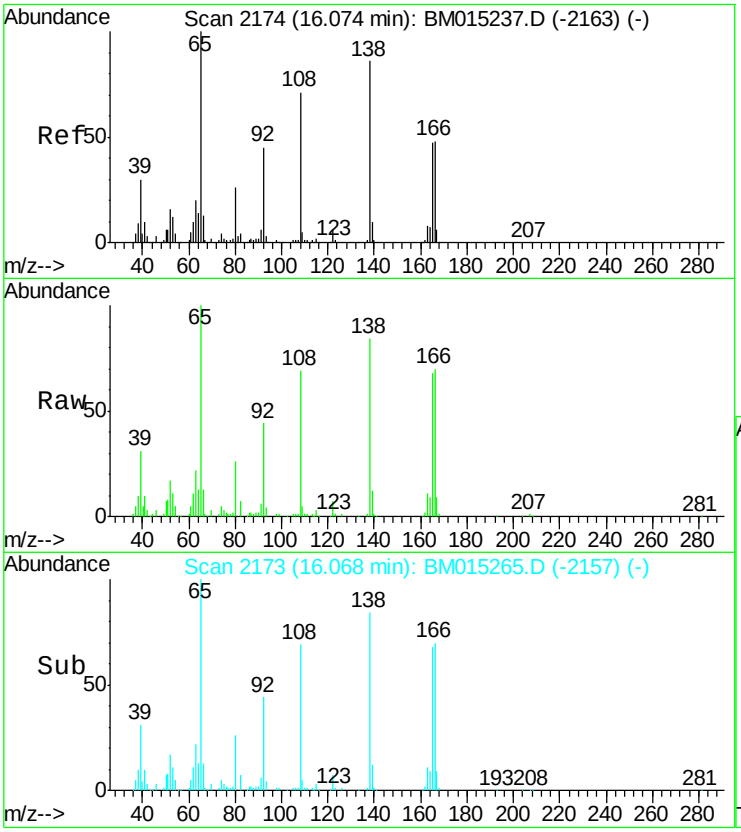


#60
4-Chlorophenyl-phenylether
Concen: 19.365 ng
RT: 16.03 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:204 Resp: 428836

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.6	39.8
141	62.1	45.2	67.8



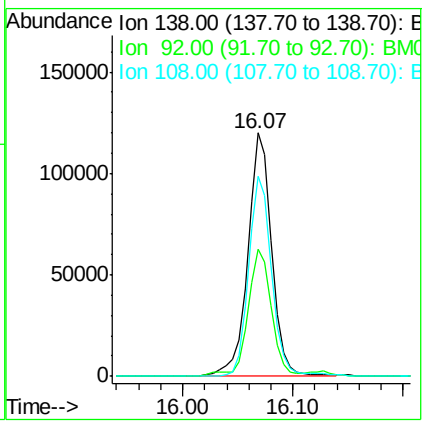


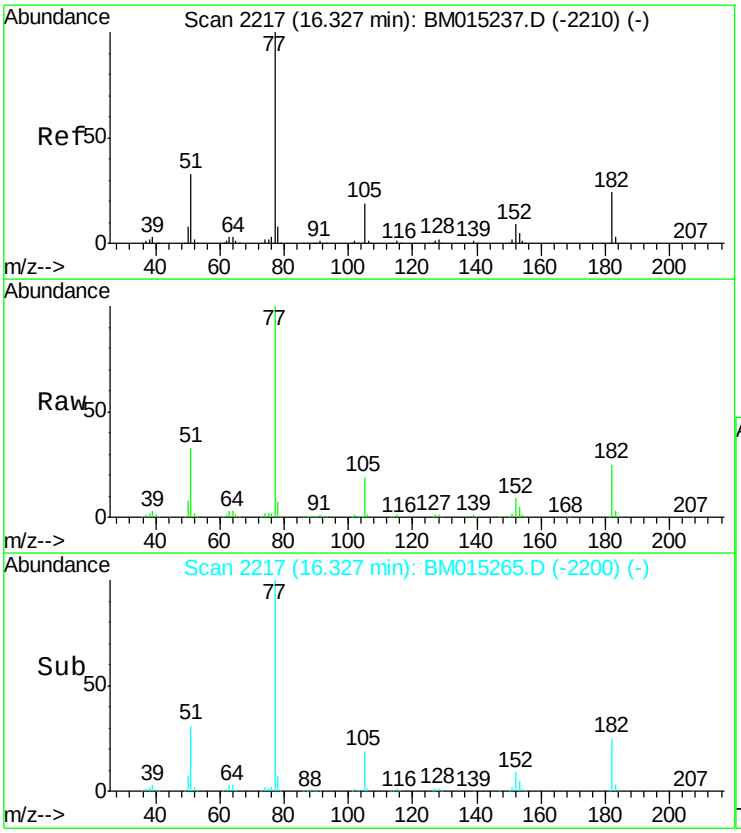
#61
4-Nitroaniline
Concen: 17.838 ng
RT: 16.07 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:138 Resp: 183109

Ion	Ratio	Lower	Upper
138	100		
92	52.3	16.7	56.7
108	82.0	37.6	77.6#

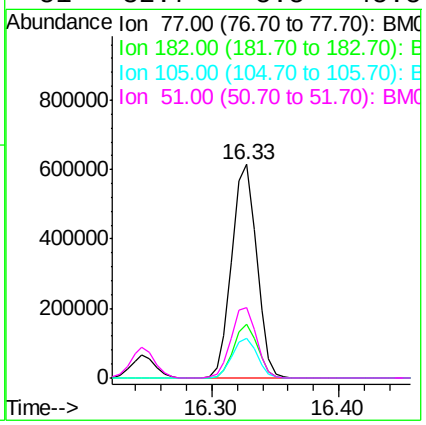


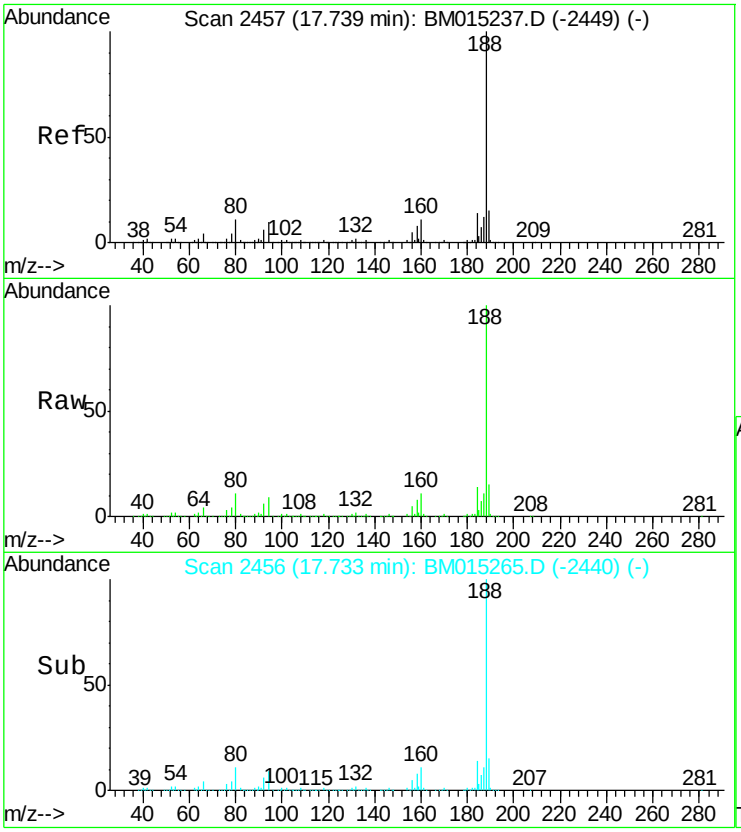


#62
Azobenzene
Concen: 19.959 ng
RT: 16.33 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion: 77 Resp: 835320

Ion	Ratio	Lower	Upper
77	100		
182	25.1	6.5	46.5
105	18.8	3.8	43.8
51	32.7	5.5	45.5



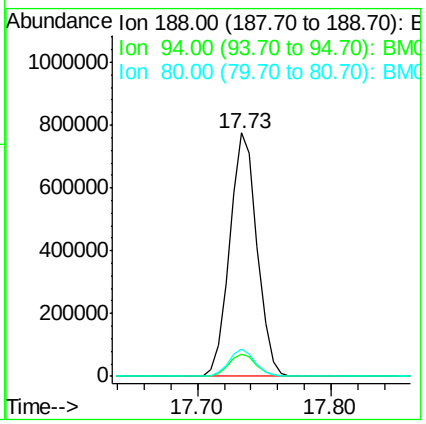


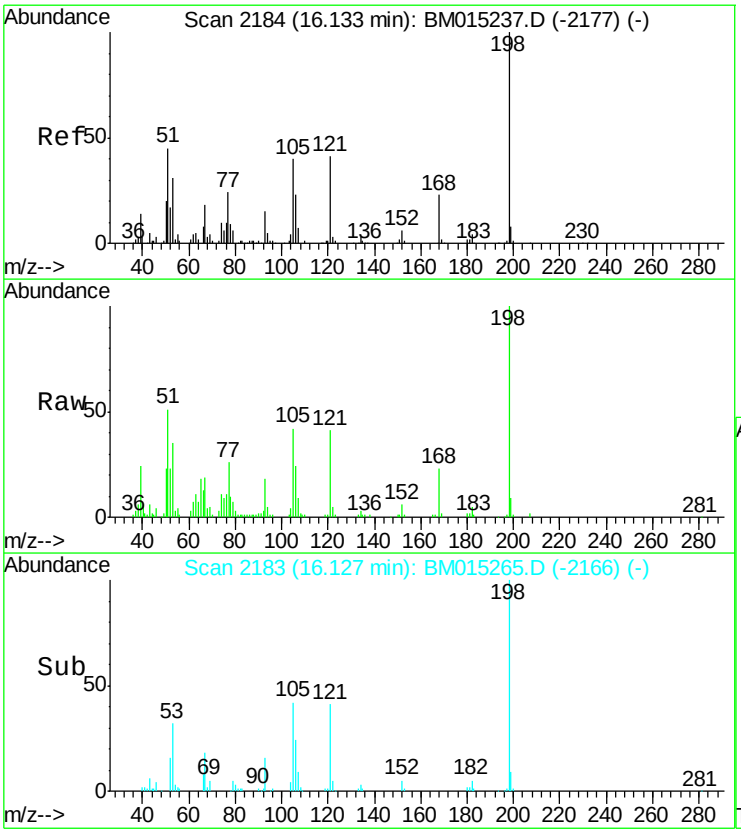
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.73 min Scan# 2456
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:188 Resp: 1104654

Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.7	13.1
80	11.1	9.3	13.9

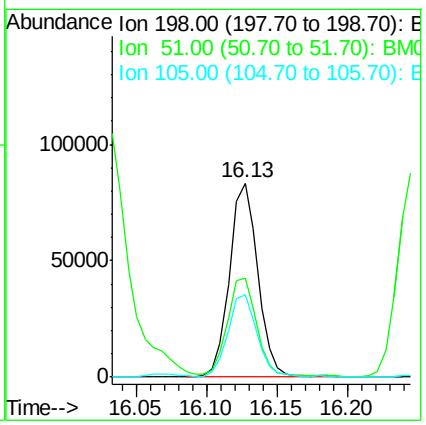


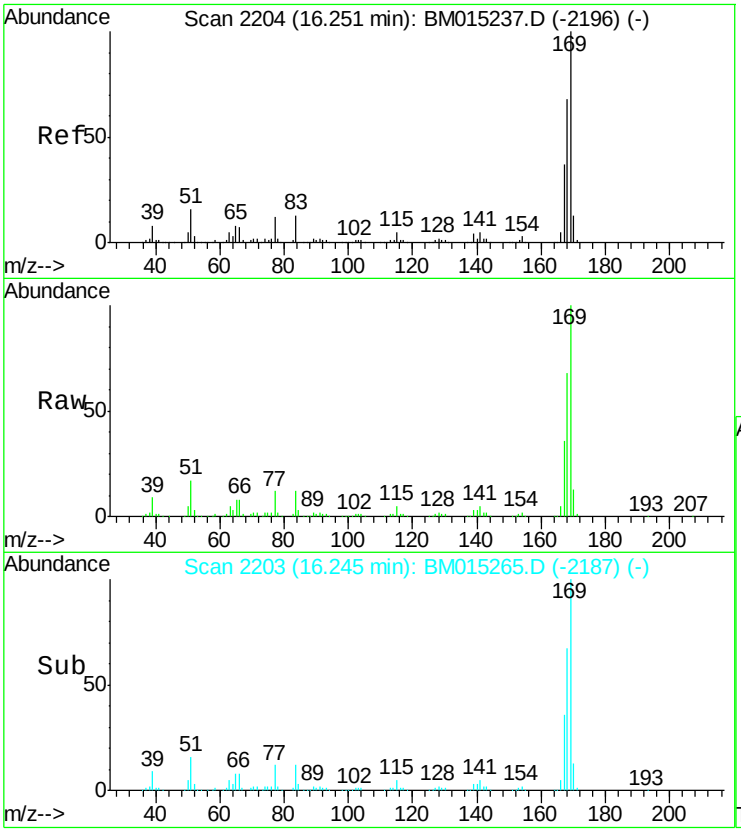


#64
4,6-Dinitro-2-methylphenol
Concen: 19.168 ng
RT: 16.13 min Scan# 2183
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:198 Resp: 116867

Ion	Ratio	Lower	Upper
198	100		
51	50.8	28.8	68.8
105	42.4	30.5	70.5



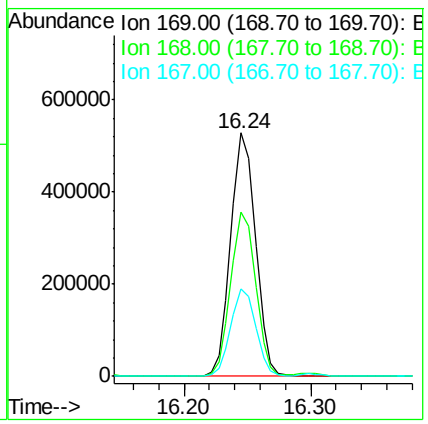


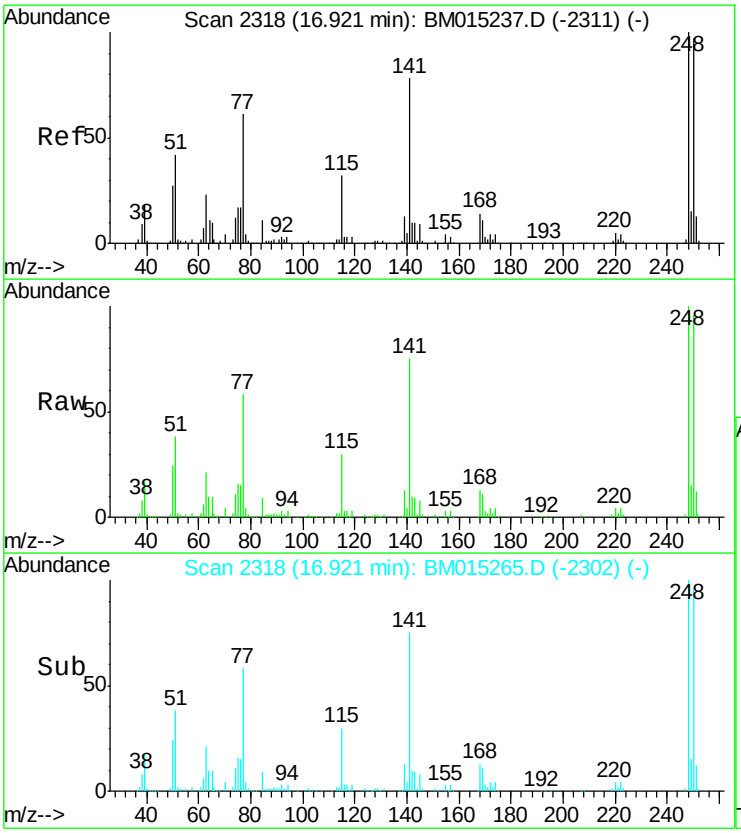
#65
n-Nitrosodiphenylamine
Concen: 20.236 ng
RT: 16.24 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:169 Resp: 718269

Ion	Ratio	Lower	Upper
169	100		
168	67.6	53.9	80.9
167	35.9	28.9	43.3

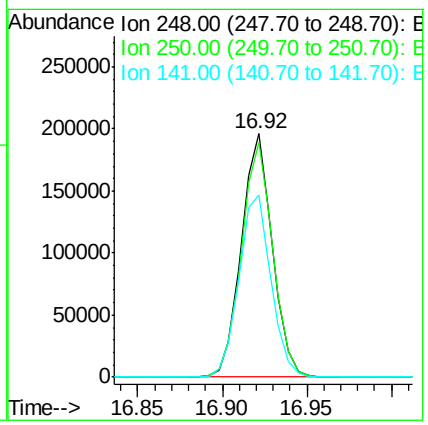


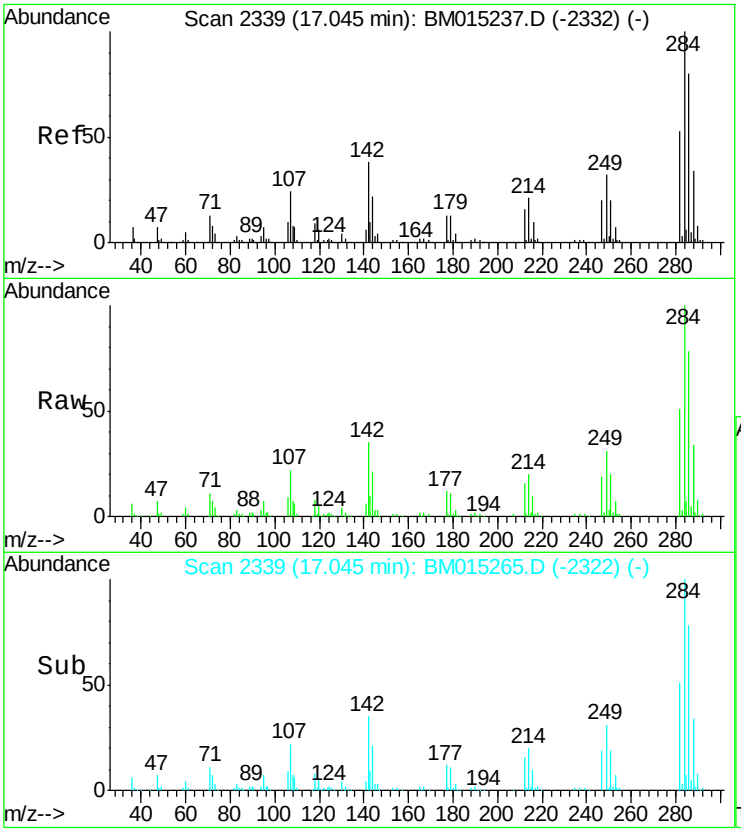


#66
4-Bromophenyl-phenylether
Concen: 20.233 ng
RT: 16.92 min Scan# 2318
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:248 Resp: 249707

Ion	Ratio	Lower	Upper
248	100		
250	96.4	77.4	116.0
141	75.0	45.2	67.8#



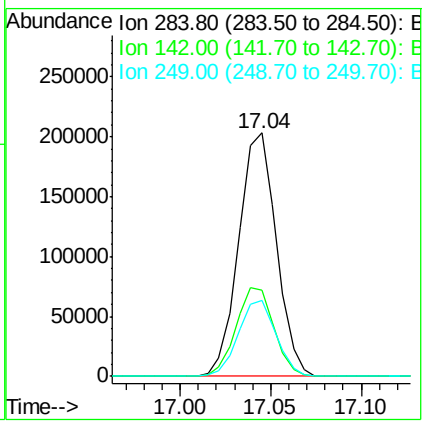


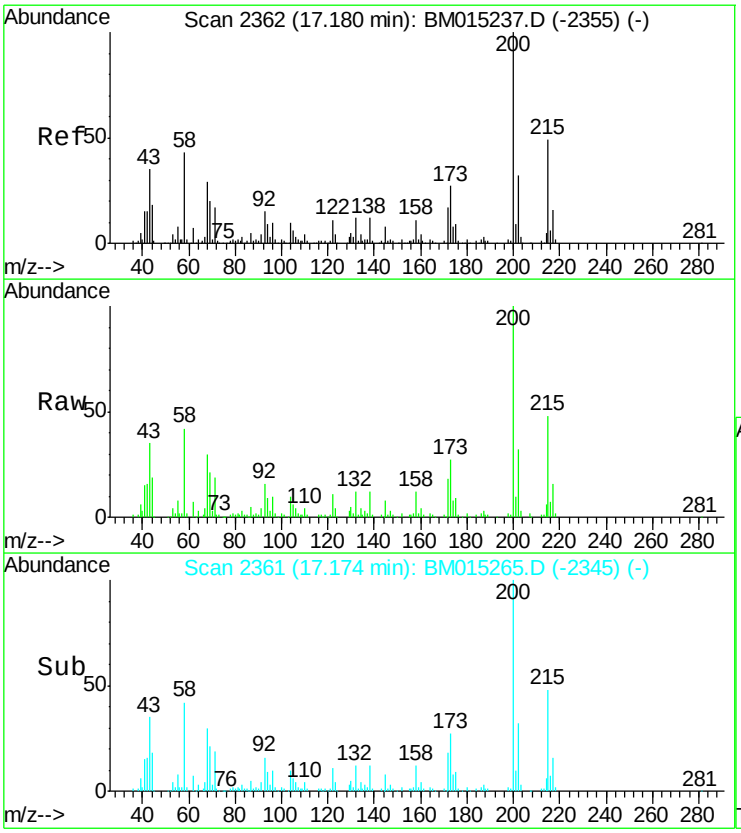
#67
Hexachlorobenzene
Concen: 20.653 ng
RT: 17.04 min Scan# 2339
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:284 Resp: 293530

Ion	Ratio	Lower	Upper
284	100		
142	35.4	20.4	30.6#
249	31.0	23.8	35.6

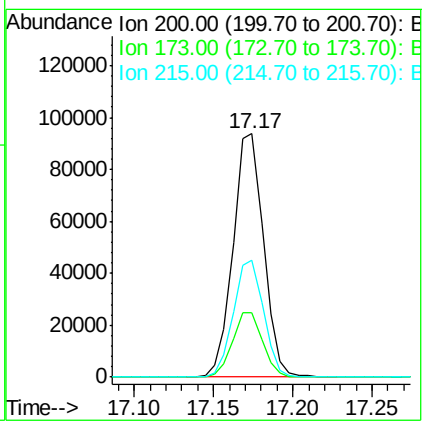


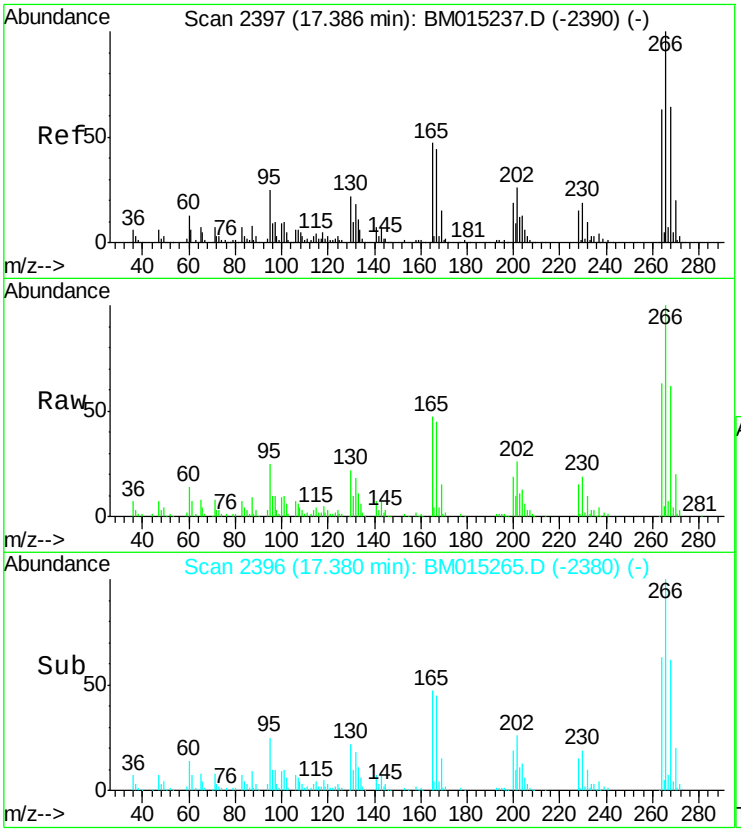


#68
Atrazine
Concen: 11.102 ng
RT: 17.17 min Scan# 2361
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:200 Resp: 124997

Ion	Ratio	Lower	Upper
200	100		
173	26.6	4.8	44.8
215	48.0	26.9	66.9



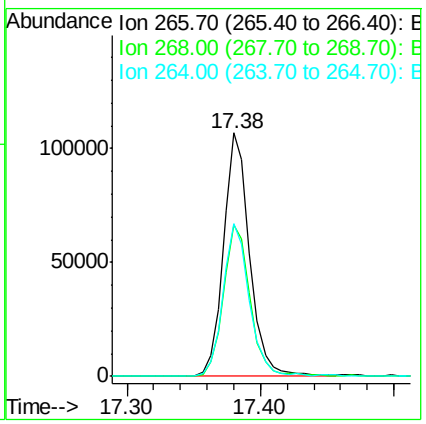


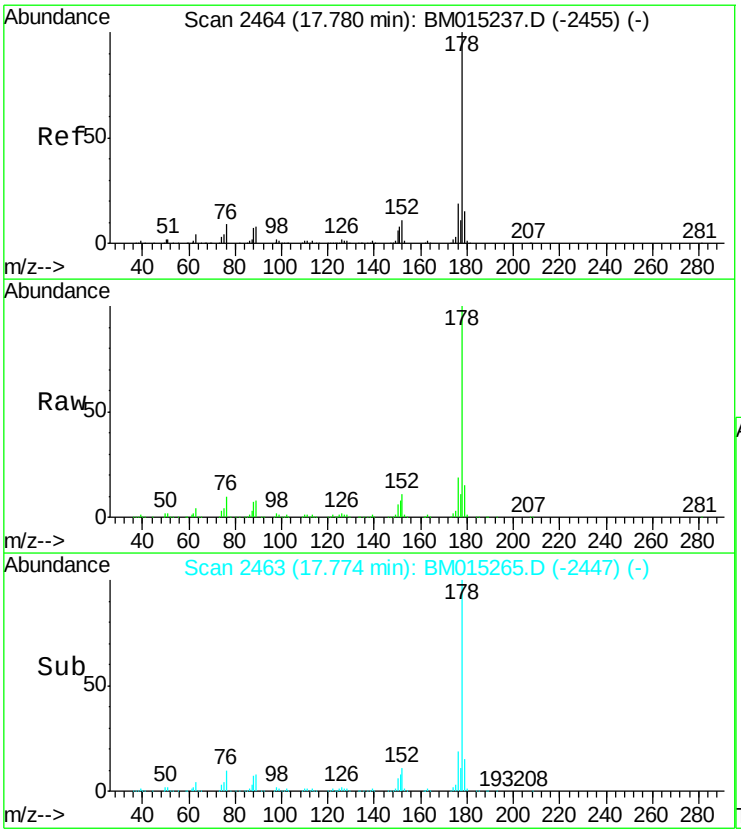
#69
Pentachlorophenol
Concen: 18.626 ng
RT: 17.38 min Scan# 2396
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:266 Resp: 147361

Ion	Ratio	Lower	Upper
266	100		
268	62.0	52.0	78.0
264	62.5	49.0	73.4

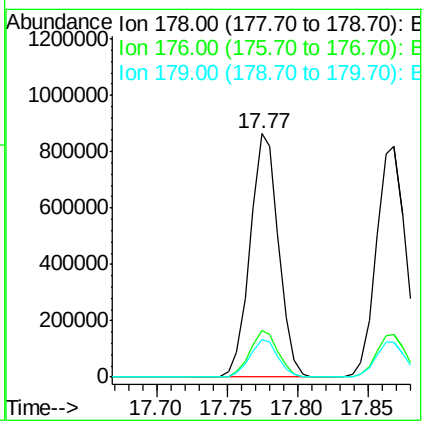


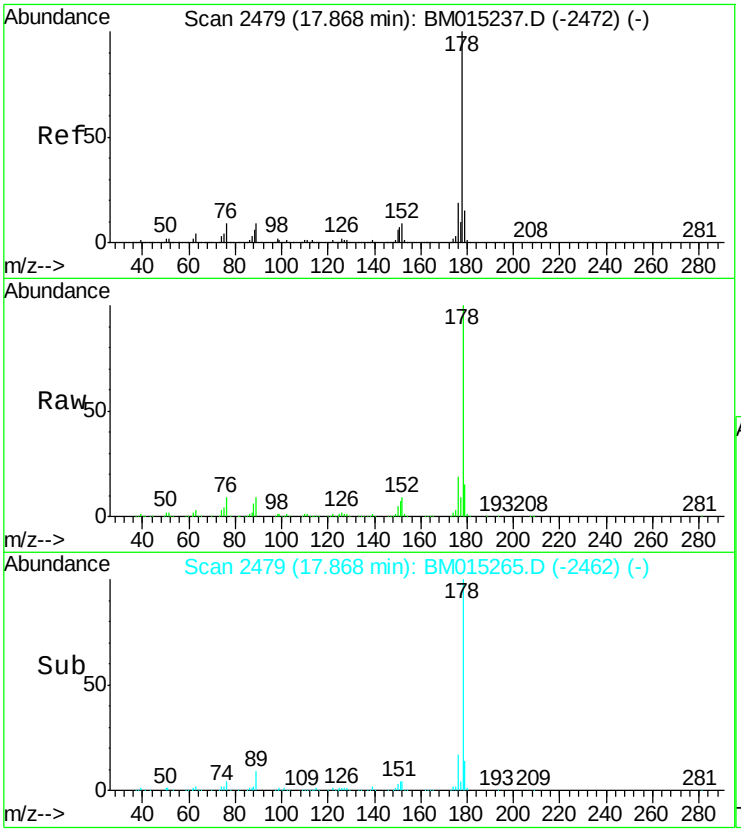


#70
Phenanthrene
Concen: 19.499 ng
RT: 17.77 min Scan# 2463
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:178 Resp: 1226879

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.2	22.8
179	15.5	12.1	18.1



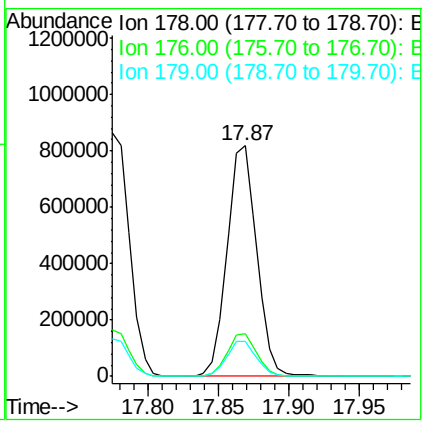


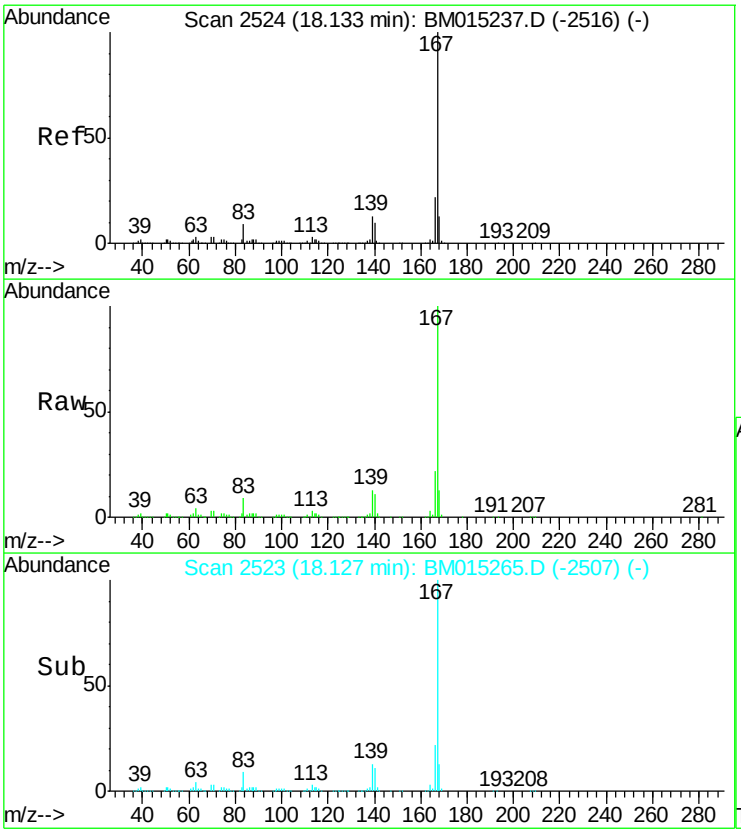
#71
Anthracene
Concen: 19.048 ng
RT: 17.87 min Scan# 2479
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:178 Resp: 1194682

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.2	12.6	19.0

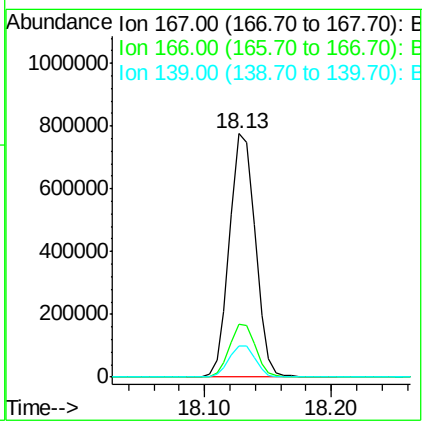


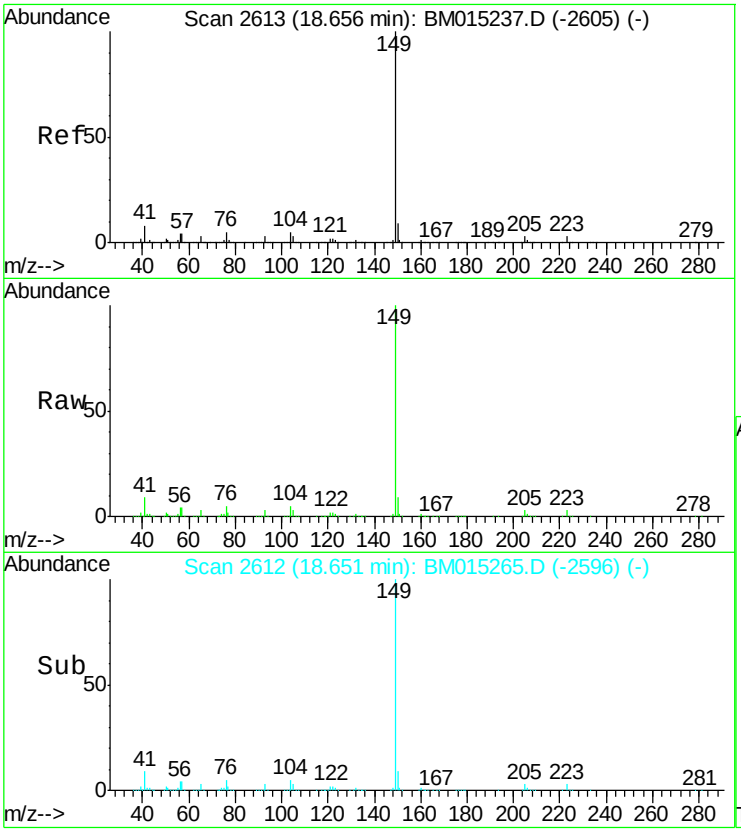


#72
Carbazole
Concen: 19.677 ng
RT: 18.13 min Scan# 2523
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:167 Resp: 1092585

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.2	25.8
139	13.0	10.8	16.2



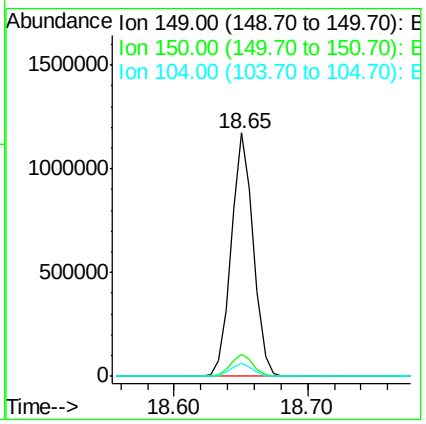


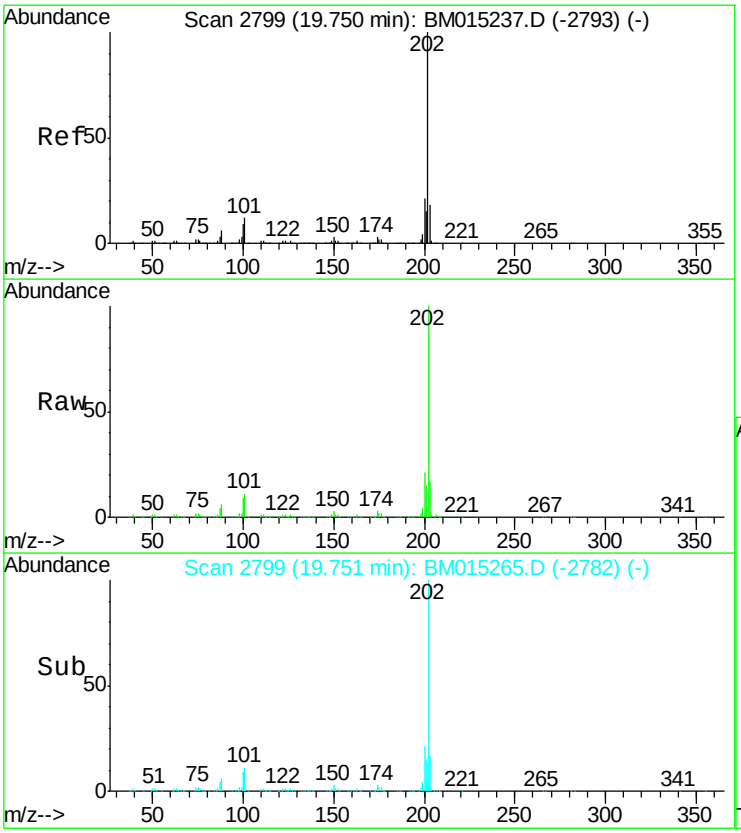
#73
Di-n-butylphthalate
Concen: 20.574 ng
RT: 18.65 min Scan# 2612
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:149 Resp: 1344980

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	5.4	3.7	5.5

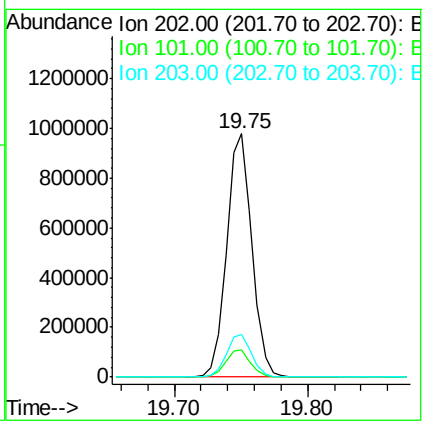


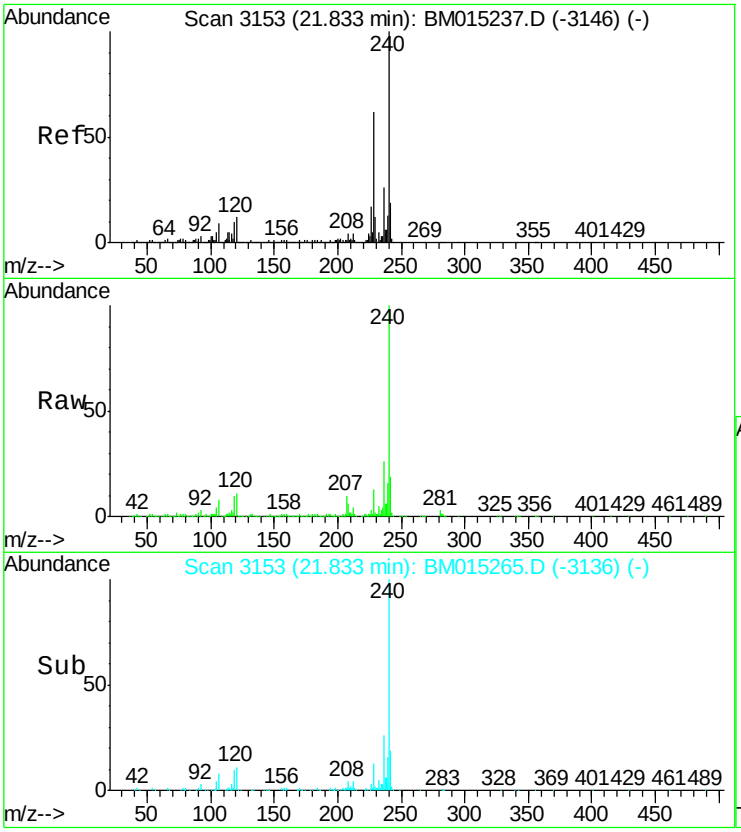


#74
Fluoranthene
Concen: 18.683 ng
RT: 19.75 min Scan# 2799
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:202 Resp: 1289275

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	28.7
203	17.3	0.0	37.2



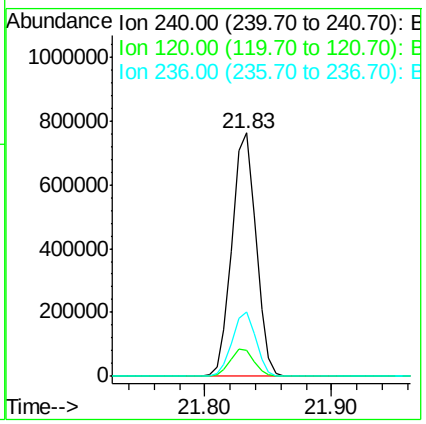


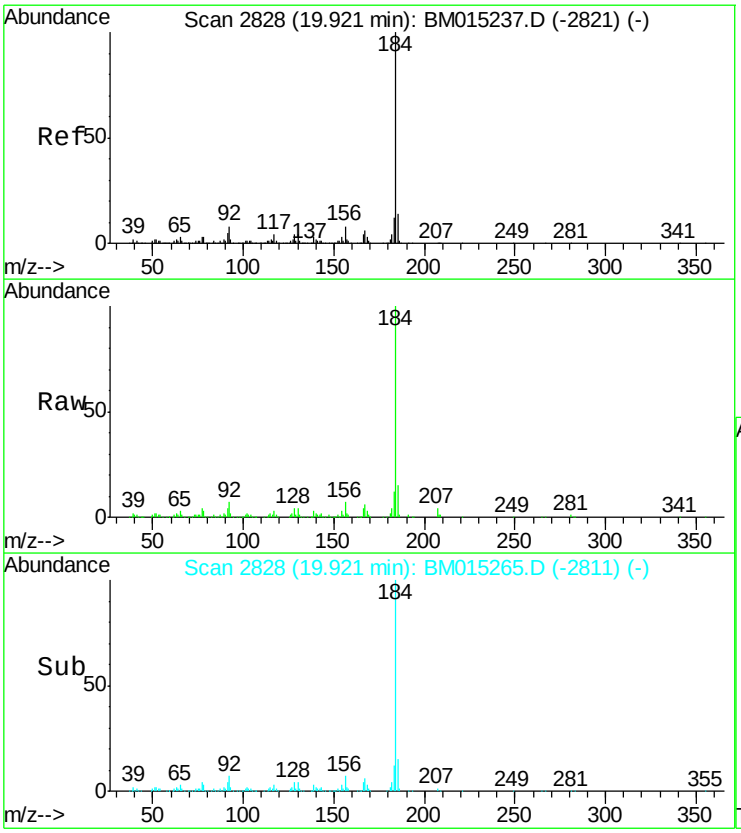
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3153
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:240 Resp: 998776

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.2	12.2
236	26.4	20.0	30.0

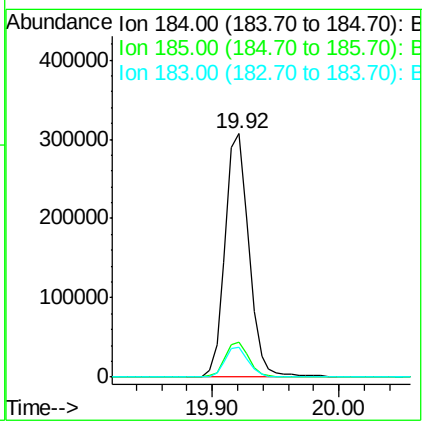


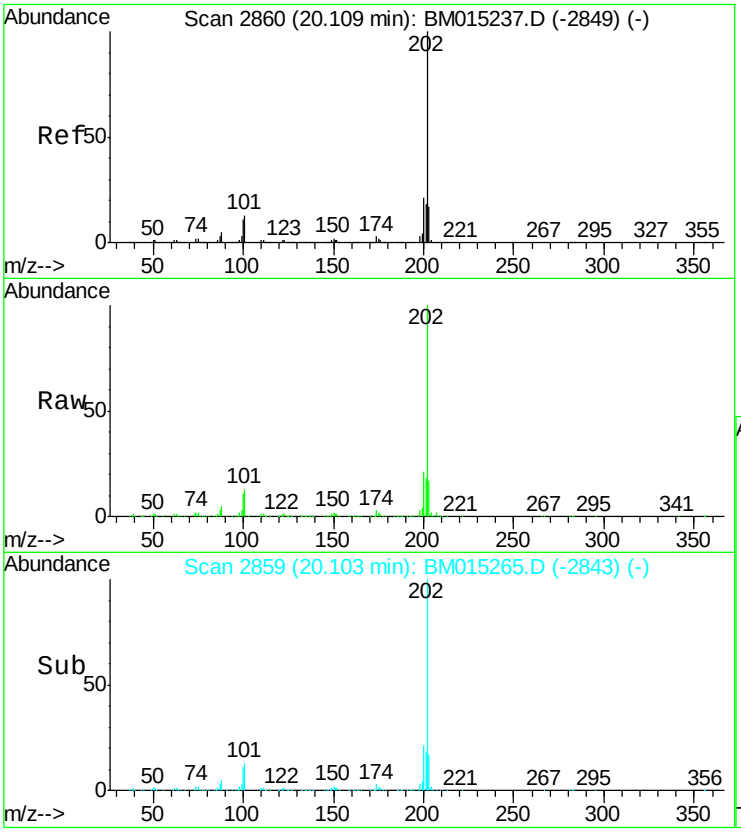


#76
Benzidine
Concen: 12.842 ng
RT: 19.92 min Scan# 2828
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:184 Resp: 401532

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.3	16.9
183	12.2	8.9	13.3



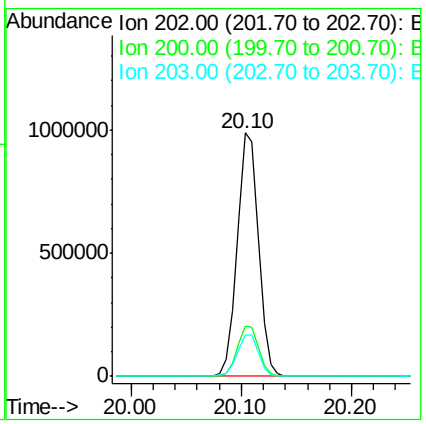


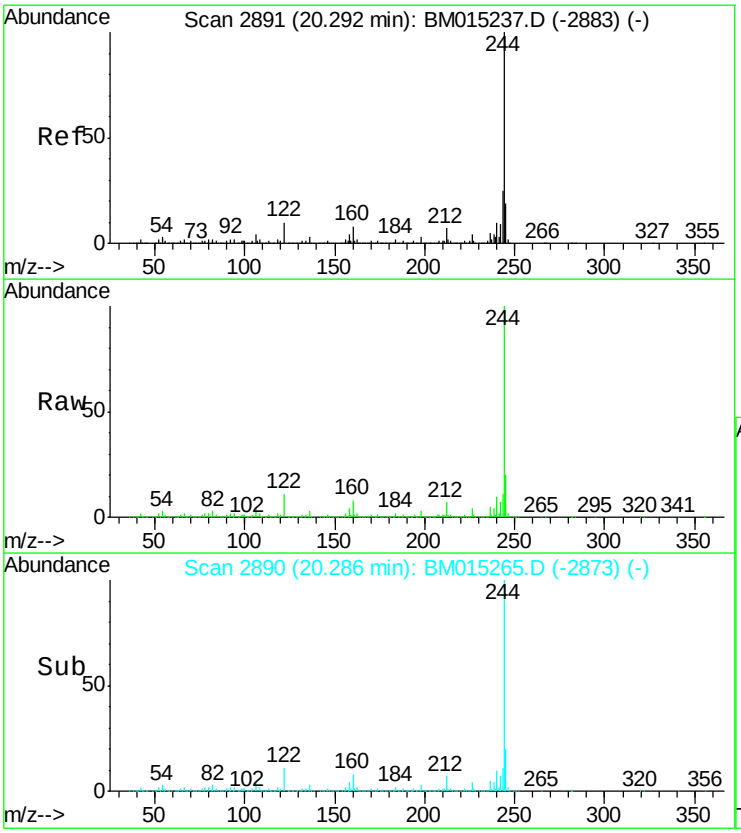
#77
Pyrene
Concen: 21.252 ng
RT: 20.10 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:202 Resp: 1339651

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	17.2	14.1	21.1

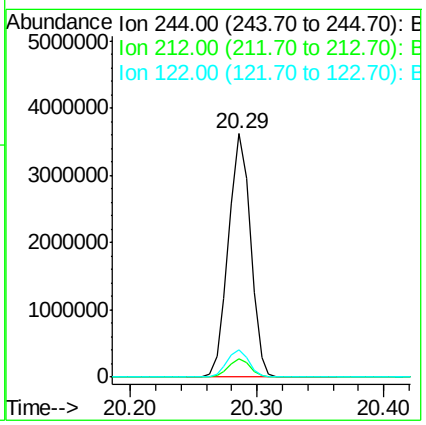


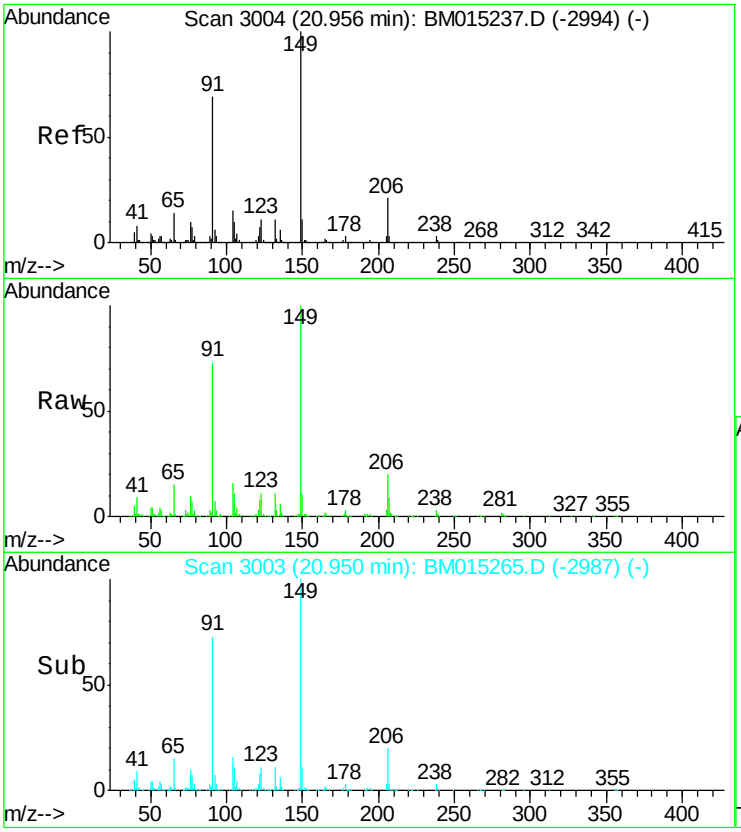


#78
Terphenyl-d14
Concen: 96.062 ng
RT: 20.29 min Scan# 2890
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:244 Resp: 4344882

Ion	Ratio	Lower	Upper
244	100		
212	7.5	4.9	7.3#
122	11.4	6.2	9.4#



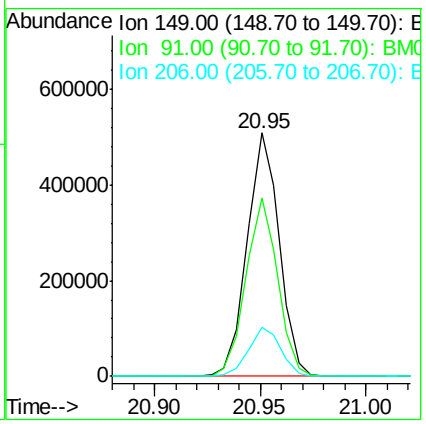


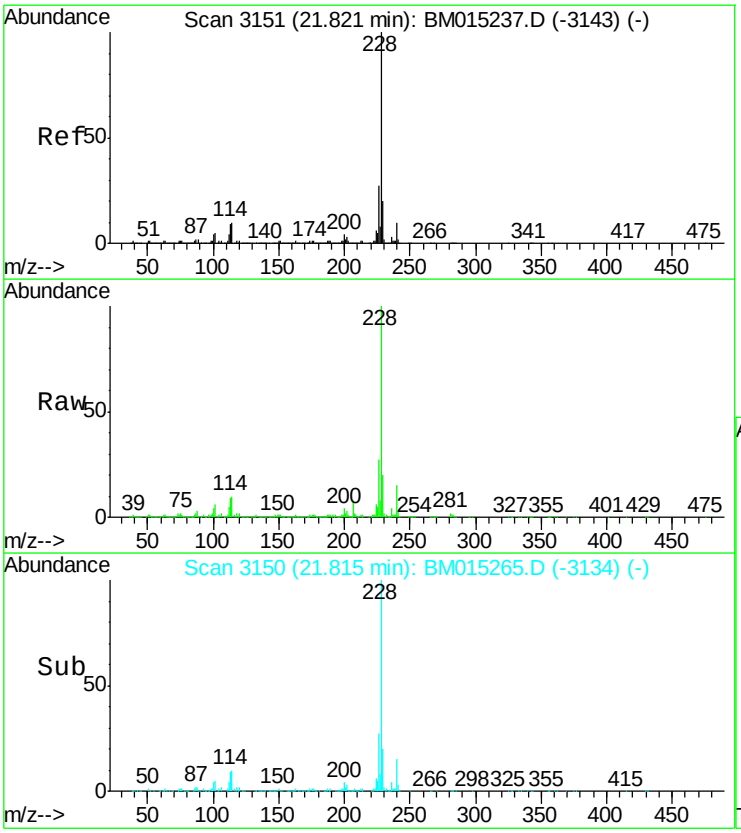
#79
Butylbenzylphthalate
Concen: 20.834 ng
RT: 20.95 min Scan# 3003
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:149 Resp: 536239

Ion	Ratio	Lower	Upper
149	100		
91	73.1	50.1	75.1
206	20.1	16.2	24.2

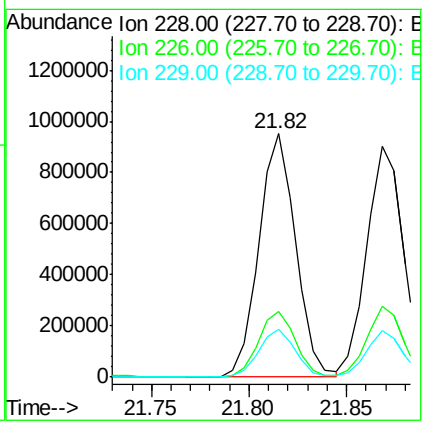


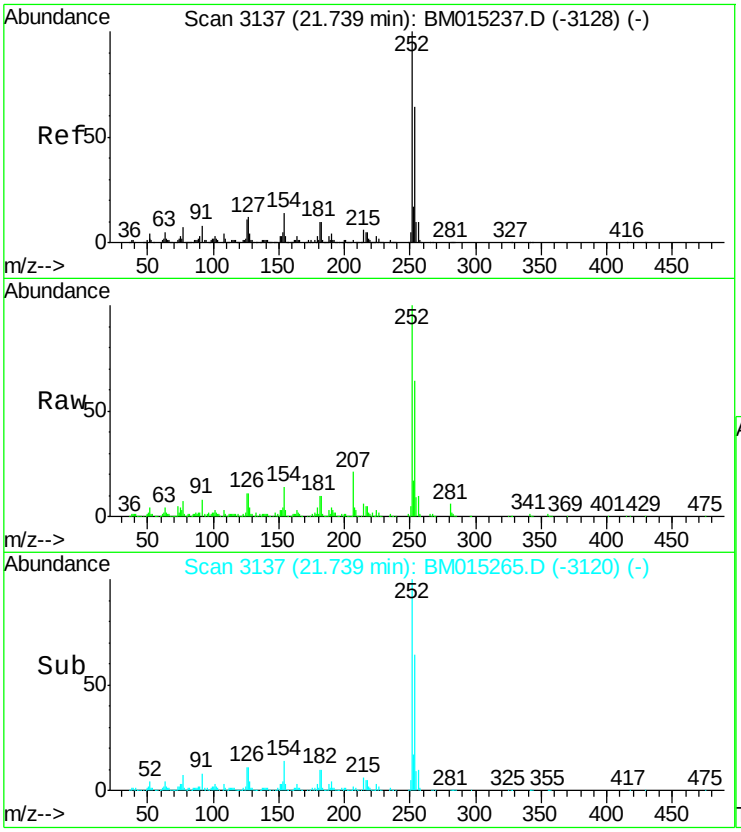


#80
Benzo(a)anthracene
Concen: 19.719 ng
RT: 21.82 min Scan# 3150
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:228 Resp: 1241072

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.7	32.5
229	19.5	16.0	24.0



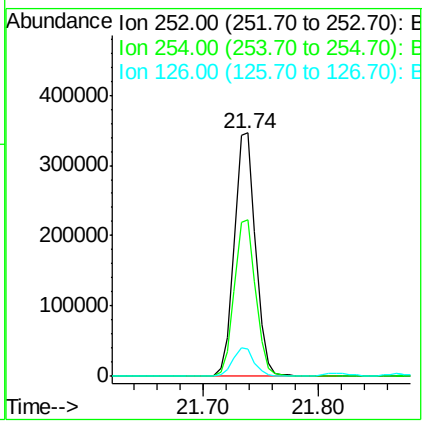


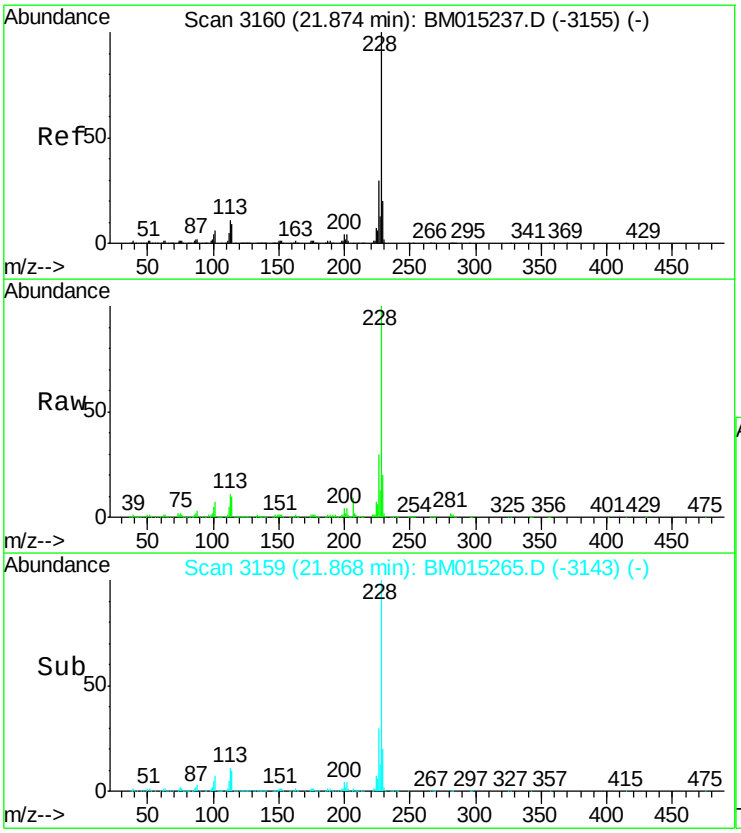
#81
3,3'-Dichlorobenzidine
Concen: 19.039 ng
RT: 21.74 min Scan# 3137
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:252 Resp: 443712

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.9	77.9
126	11.1	9.8	14.8

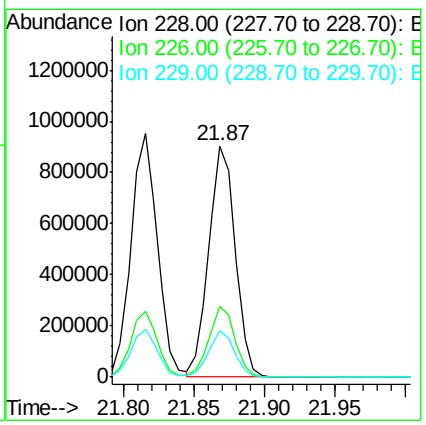


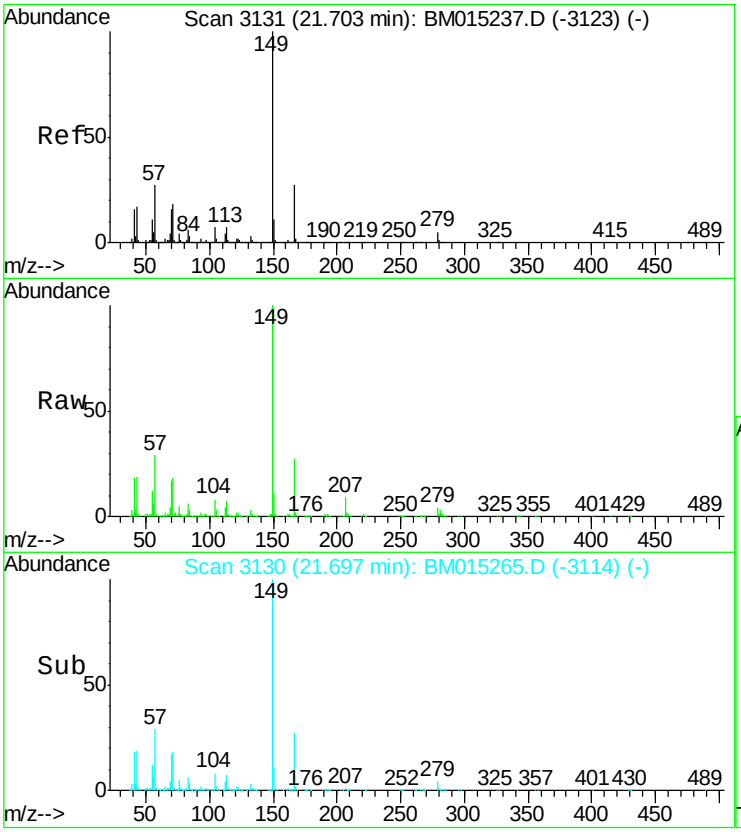


#82
Chrysene
Concen: 19.849 ng
RT: 21.87 min Scan# 3159
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:228 Resp: 1176590

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.1	36.1
229	20.0	15.5	23.3



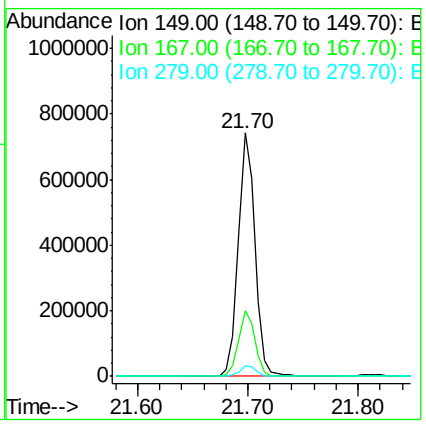


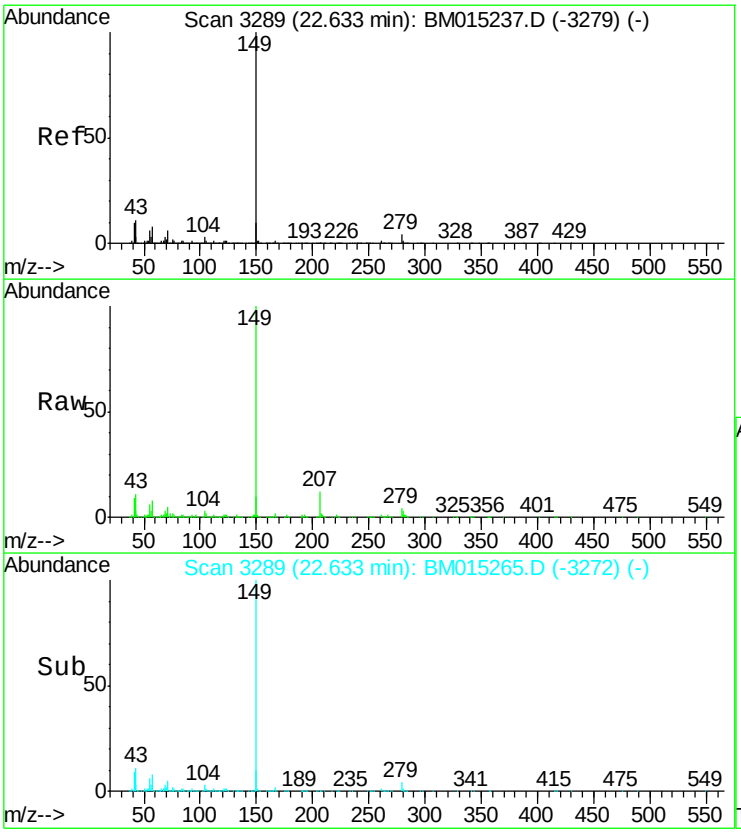
#83
Bis(2-ethylhexyl)phthalate
Concen: 21.111 ng
RT: 21.70 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:149 Resp: 790348

Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.4	33.6
279	4.2	3.4	5.0

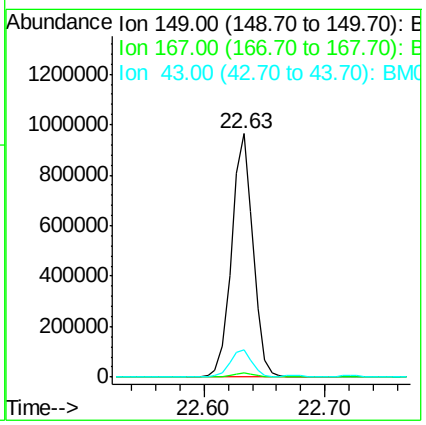


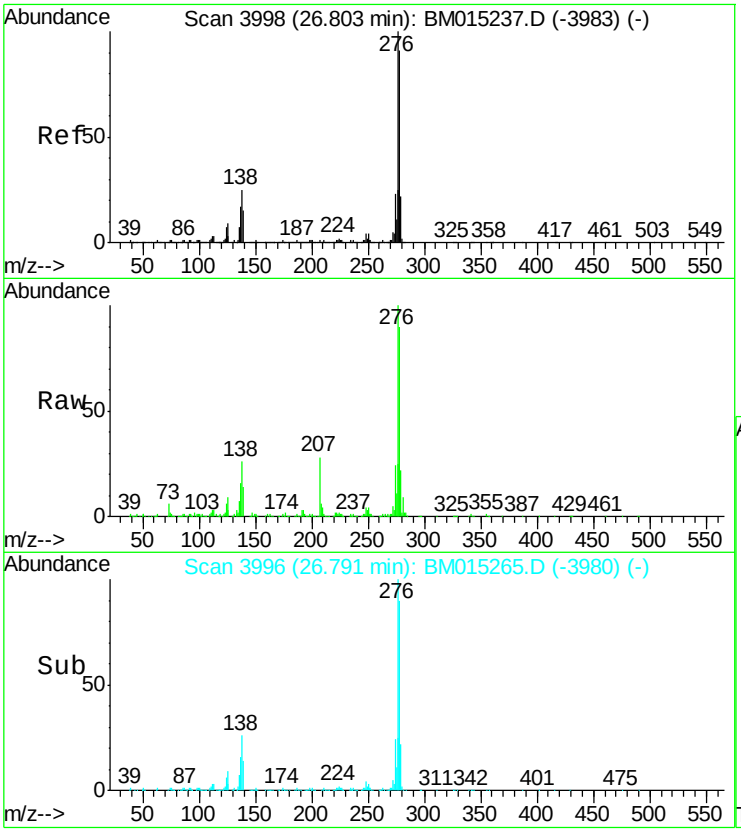


#84
Di-n-octyl phthalate
Concen: 17.959 ng
RT: 22.63 min Scan# 3289
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:149 Resp: 1175945

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.4	7.3	10.9#



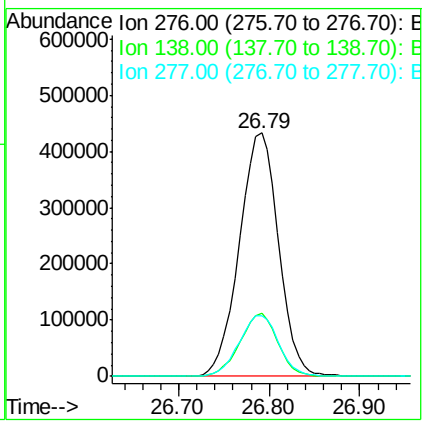


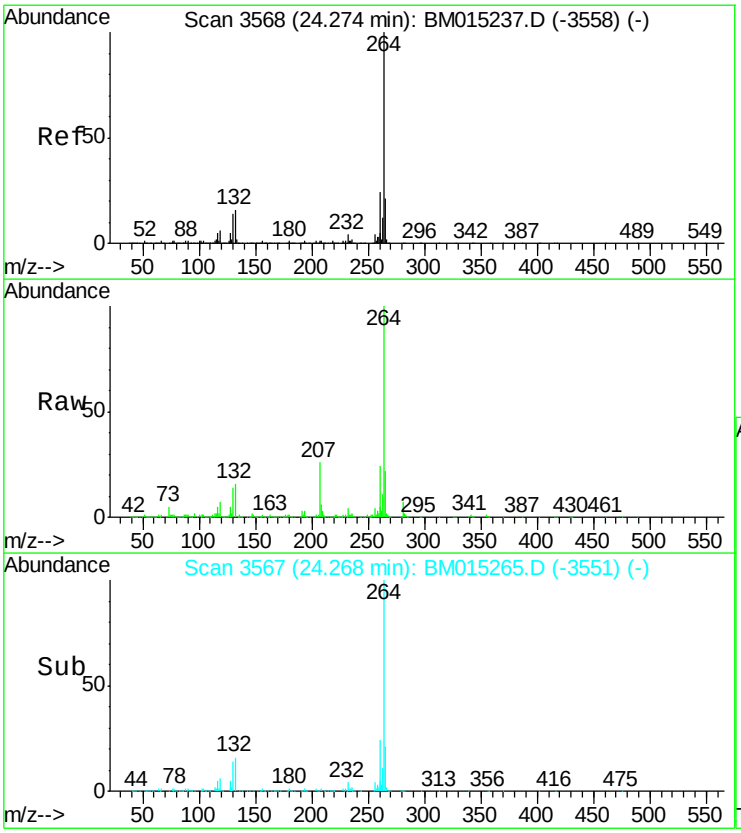
#85
Indeno(1,2,3-cd)pyrene
Concen: 18.169 ng
RT: 26.79 min Scan# 3996
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:276 Resp: 1302971

Ion	Ratio	Lower	Upper
276	100		
138	24.9	12.0	18.0#
277	25.3	20.0	30.0

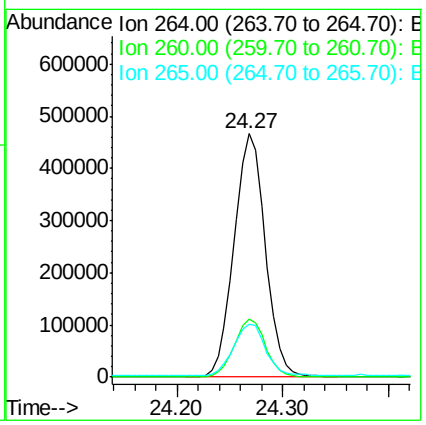


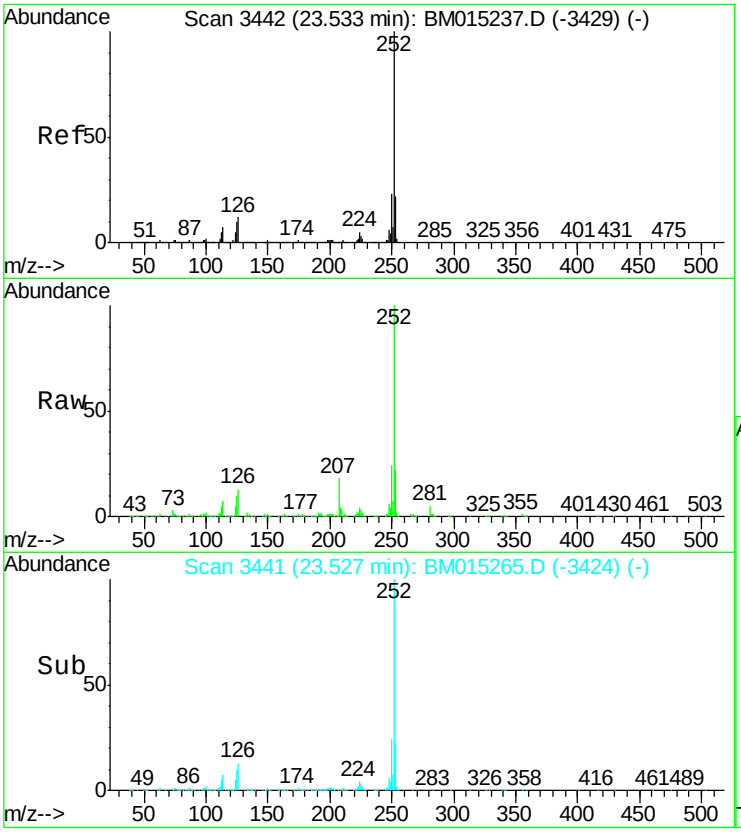


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.27 min Scan# 3567
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:264 Resp: 958118

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	27.8
265	21.8	17.3	25.9



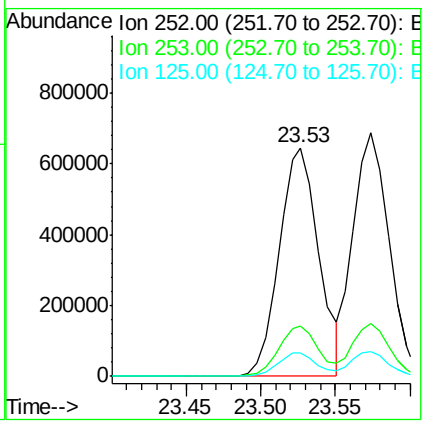


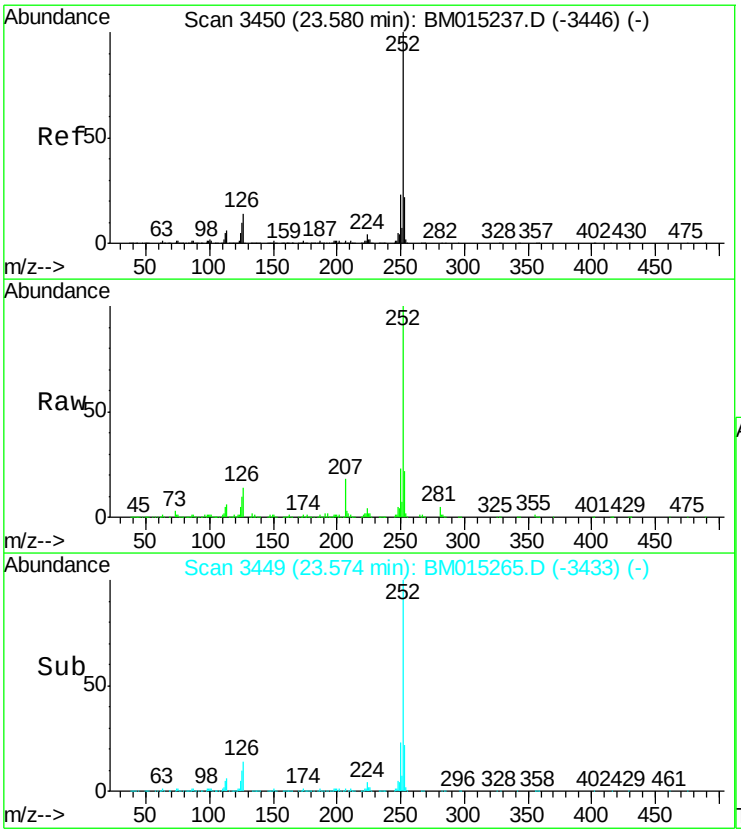
#87
Benzo(b)fluoranthene
Concen: 19.660 ng
RT: 23.53 min Scan# 3441
Delta R.T. 0.00 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:252 Resp: 1191813

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	10.0	9.9	14.9

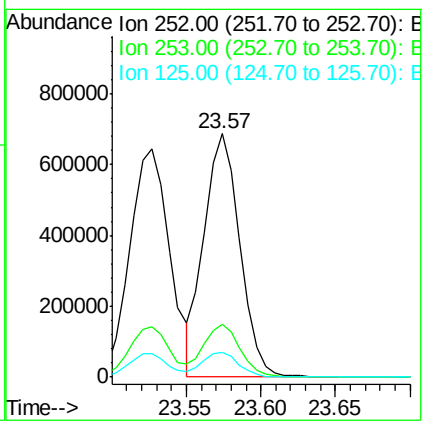


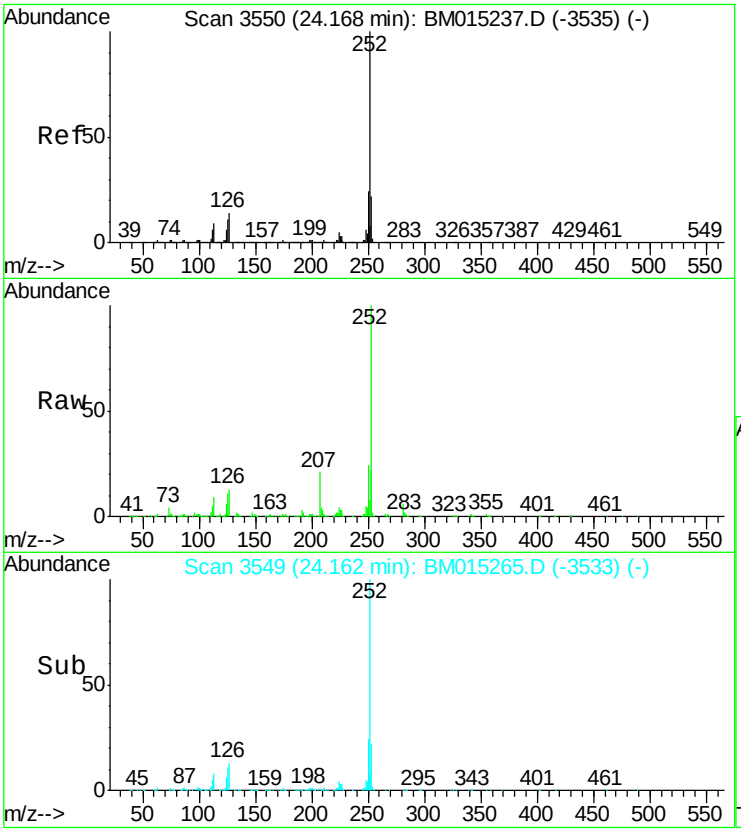


#88
Benzo(k)fluoranthene
Concen: 19.939 ng
RT: 23.57 min Scan# 3449
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:252 Resp: 1143384

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	10.2	8.1	12.1



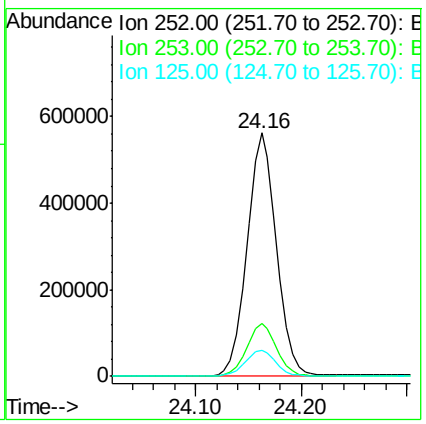


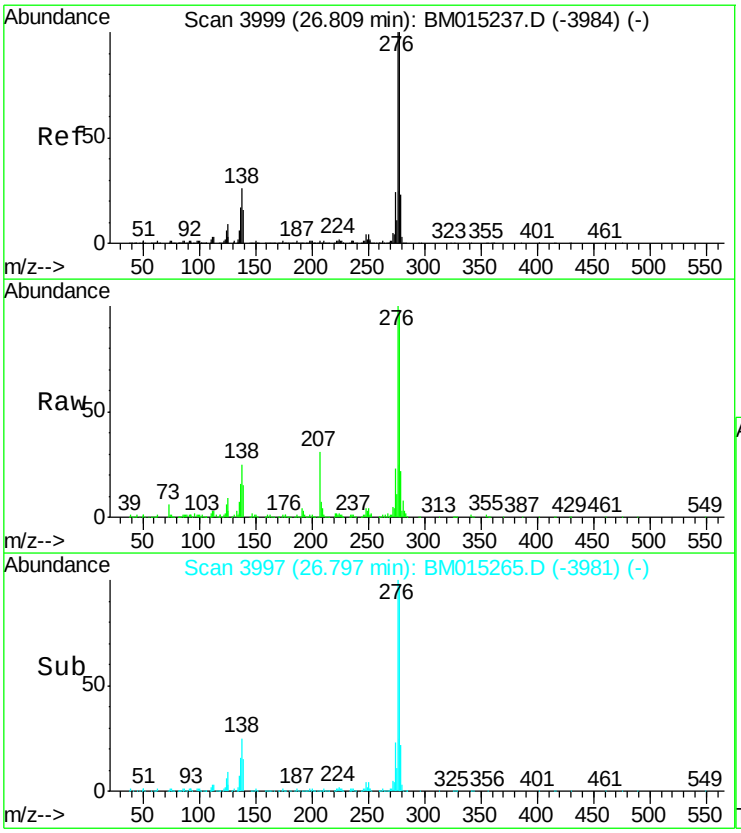
#89
Benzo(a)pyrene
Concen: 19.163 ng
RT: 24.16 min Scan# 3549
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:252 Resp: 1083594

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.9	7.4	11.2

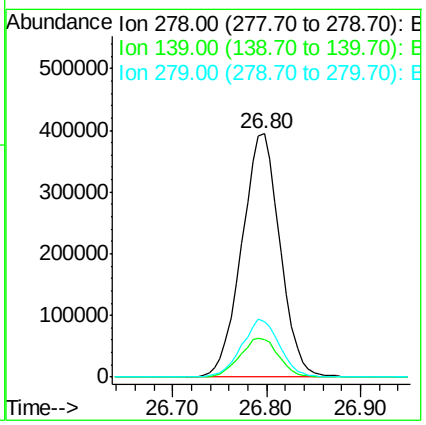


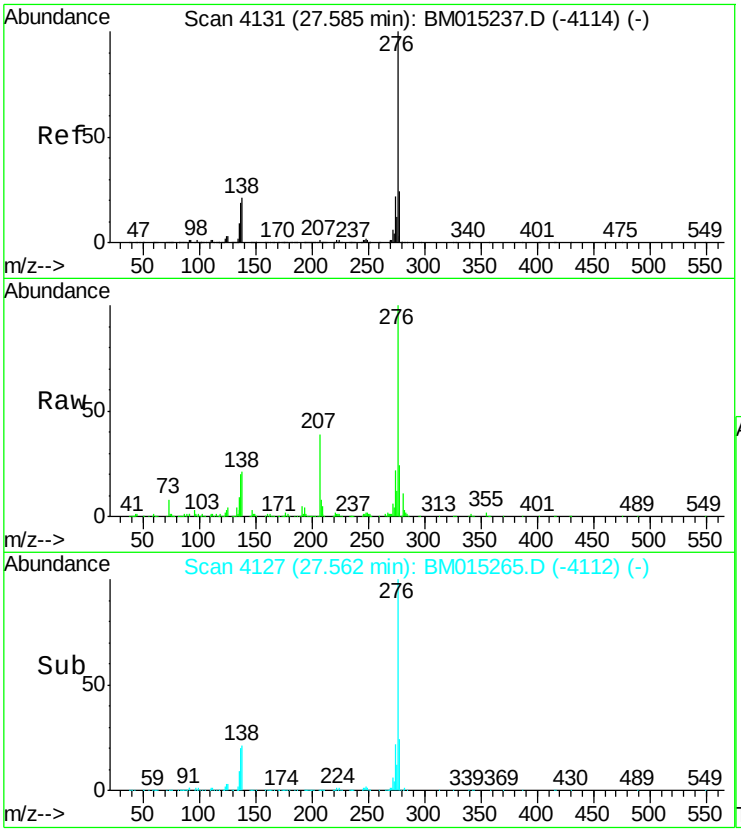


#90
Dibenzo(a,h)anthracene
Concen: 19.287 ng
RT: 26.80 min Scan# 3997
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Tgt Ion:278 Resp: 1112653

Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.4	20.0
279	22.7	19.0	28.4



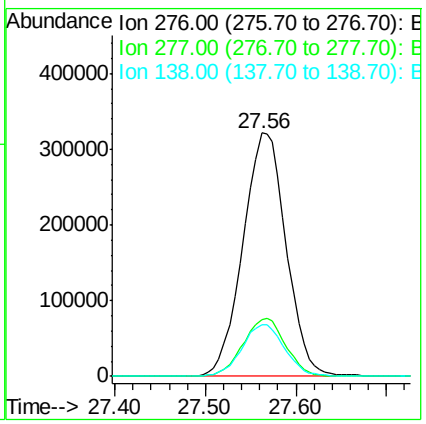


#91
Benzo(g,h,i)perylene
Concen: 18.839 ng
RT: 27.56 min Scan# 4127
Delta R.T. -0.01 min
Lab File: BM015265.D
Acq: 23 May 2018 06:24

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tgt Ion:276 Resp: 1058516

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.5	27.7
138	21.1	19.0	28.6



Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
Data File : BM015265.D
Acq On : 23 May 2018 06:24
Operator : SJ/JU
Sample : J2133-02
Misc : LOQ 20 PPM
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT2-2018

Quant Time: May 23 07:56:59 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM052218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 22 15:47:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	256184	20.00	ng		0.00
21) Naphthalene-d8	11.24	136	1085580	20.00	ng		0.00
38) Acenaphthene-d10	15.02	164	560007	20.00	ng		0.00
63) Phenanthrene-d10	17.73	188	1104654	20.00	ng		0.00
75) Chrysene-d12	21.83	240	998776	20.00	ng		0.00
86) Perylene-d12	24.27	264	958118	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.89	112	1932676	123.43	ng		0.00
7) Phenol-d6	7.55	99	2566566	125.87	ng		0.00
23) Nitrobenzene-d5	9.59	82	1681950	84.87	ng		0.00
41) 2,4,6-Tribromophenol	16.49	330	918571	130.81	ng		0.00
44) 2-Fluorobiphenyl	13.65	172	3712698	82.42	ng		0.00
78) Terphenyl-d14	20.29	244	4344882	96.06	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.62	88	118974	18.391	ng	#	100
3) Pyridine	4.07	79	303799	18.332	ng		87
4) n-Nitrosodimethylamine	3.98	42	158154	17.638	ng	#	67
6) Aniline	7.72	93	483308	19.237	ng		96
8) 2-Chlorophenol	7.96	128	334275	18.916	ng		98
9) Benzaldehyde	7.53	77	211893	16.429	ng		97
10) Phenol	7.57	94	393055	18.983	ng		80
11) bis(2-Chloroethyl)ether	7.81	93	325568	19.822	ng		90
12) 1,3-Dichlorobenzene	8.29	146	400239	19.865	ng	#	96
13) 1,4-Dichlorobenzene	8.44	146	406559	19.957	ng		95
14) 1,2-Dichlorobenzene	8.76	146	390508	20.196	ng		94
15) Benzyl Alcohol	8.65	79	294420	19.968	ng		95
16) 2,2'-oxybis(1-Chloropropan	8.93	45	526082	20.303	ng		95
17) 2-Methylphenol	8.85	107	281731	20.467	ng	#	93
18) Hexachloroethane	9.50	117	143786	19.875	ng		94
19) n-Nitroso-di-n-propylamine	9.22	70	270331	20.801	ng	#	88
20) 3+4-Methylphenols	9.17	107	384223	21.022	ng		94
22) Acetophenone	9.24	105	528970	20.312	ng		94
24) Nitrobenzene	9.63	77	409308	19.836	ng		97
25) Isophorone	10.16	82	632602	18.585	ng		96
26) 2-Nitrophenol	10.35	139	166327	17.966	ng	#	77
27) 2,4-Dimethylphenol	10.39	122	267149	15.910	ng		92
28) bis(2-Chloroethoxy)methane	10.63	93	411575	18.466	ng		98
29) 2,4-Dichlorophenol	10.88	162	297660	18.721	ng		96
30) 1,2,4-Trichlorobenzene	11.10	180	376447	20.096	ng		98
31) Naphthalene	11.29	128	1099781	19.491	ng		100
32) Benzoic acid	10.52	122	199223	20.511	ng		93
33) 4-Chloroaniline	11.40	127	434795	19.309	ng	#	91
34) Hexachlorobutadiene	11.56	225	230141	20.660	ng		96
35) Caprolactam	12.17	113	80176	17.816	ng		97
36) 4-Chloro-3-methylphenol	12.49	107	304735	18.761	ng		90
37) 2-Methylnaphthalene	12.87	142	754065	19.284	ng		97
39) 1,2,4,5-Tetrachlorobenzene	13.23	216	391687	19.857	ng	#	100
40) Hexachlorocyclopentadiene	13.20	237	176037	18.026	ng		99

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
Data File : BM015265.D
Acq On : 23 May 2018 06:24
Operator : SJ/JU
Sample : J2133-02
Misc : LOQ 20 PPM
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT2-2018

Quant Time: May 23 07:56:59 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM052218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 22 15:47:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	13.46	196	221981	18.727	ng		100
43) 2,4,5-Trichlorophenol	13.54	196	252991	19.766	ng	#	90
45) 1,1'-Biphenyl	13.86	154	1005531	20.522	ng		98
46) 2-Chloronaphthalene	13.91	162	757385	20.085	ng		95
47) 2-Nitroaniline	14.11	65	201825	18.786	ng		88
48) Acenaphthylene	14.74	152	1133223	20.231	ng		100
49) Dimethylphthalate	14.46	163	899580	20.128	ng		99
50) 2,6-Dinitrotoluene	14.59	165	184793	19.819	ng		95
51) Acenaphthene	15.08	154	701113	20.094	ng		99
52) 3-Nitroaniline	14.92	138	184446	18.786	ng	#	79
53) 2,4-Dinitrophenol	15.13	184	66914	17.573	ng		89
54) Dibenzofuran	15.41	168	1039591	18.897	ng		94
55) 4-Nitrophenol	15.21	139	128434	16.128	ng	#	57
56) 2,4-Dinitrotoluene	15.37	165	233771	18.309	ng	#	81
57) Fluorene	16.05	166	845129	19.439	ng		99
58) 2,3,4,6-Tetrachlorophenol	15.63	232	186183	16.963	ng	#	100
59) Diethylphthalate	15.80	149	885097	20.090	ng		98
60) 4-Chlorophenyl-phenylether	16.03	204	428836	19.365	ng		95
61) 4-Nitroaniline	16.07	138	183109	17.838	ng	#	70
62) Azobenzene	16.33	77	835320	19.959	ng		91
64) 4,6-Dinitro-2-methylphenol	16.13	198	116867	19.168	ng		93
65) n-Nitrosodiphenylamine	16.24	169	718269	20.236	ng		100
66) 4-Bromophenyl-phenylether	16.92	248	249707	20.233	ng	#	91
67) Hexachlorobenzene	17.04	284	293530	20.653	ng	#	90
68) Atrazine	17.17	200	124997	11.102	ng		98
69) Pentachlorophenol	17.38	266	147361	18.626	ng		97
70) Phenanthrene	17.77	178	1226879	19.499	ng		99
71) Anthracene	17.87	178	1194682	19.048	ng		99
72) Carbazole	18.13	167	1092585	19.677	ng		99
73) Di-n-butylphthalate	18.65	149	1344980	20.574	ng		99
74) Fluoranthene	19.75	202	1289275	18.683	ng		97
76) Benzidine	19.92	184	401532	12.842	ng		98
77) Pyrene	20.10	202	1339651	21.252	ng		99
79) Butylbenzylphthalate	20.95	149	536239	20.834	ng		90
80) Benzo(a)anthracene	21.82	228	1241072	19.719	ng		99
81) 3,3'-Dichlorobenzidine	21.74	252	443712	19.039	ng		99
82) Chrysene	21.87	228	1176590	19.849	ng		99
83) Bis(2-ethylhexyl)phthalate	21.70	149	790348	21.111	ng		98
84) Di-n-octyl phthalate	22.63	149	1175945	17.959	ng	#	94
85) Indeno(1,2,3-cd)pyrene	26.79	276	1302971	18.169	ng	#	91
87) Benzo(b)fluoranthene	23.53	252	1191813	19.660	ng		97
88) Benzo(k)fluoranthene	23.57	252	1143384	19.939	ng		100
89) Benzo(a)pyrene	24.16	252	1083594	19.163	ng		98
90) Dibenzo(a,h)anthracene	26.80	278	1112653	19.287	ng		98
91) Benzo(g,h,i)perylene	27.56	276	1058516	18.839	ng		97

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