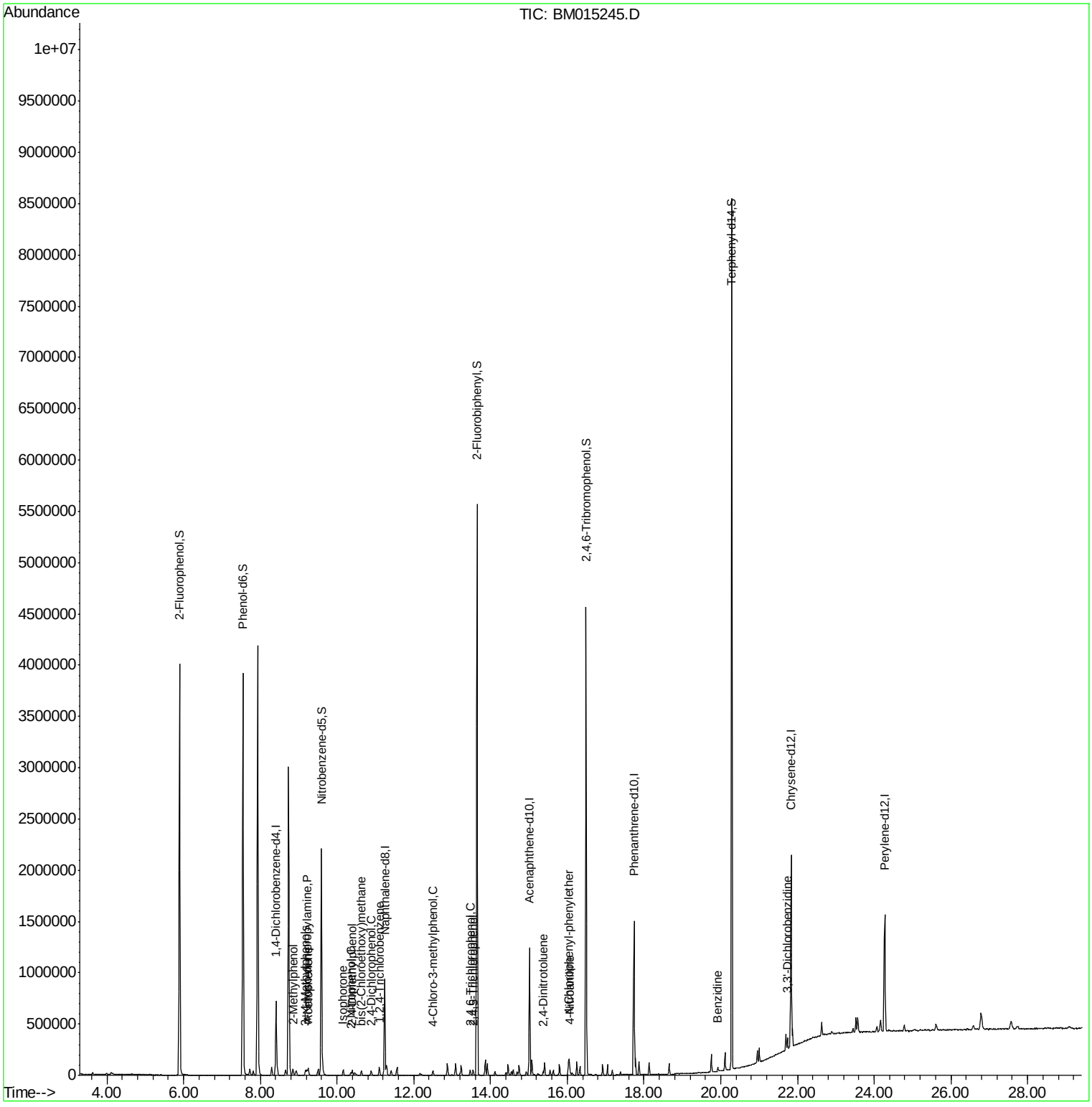
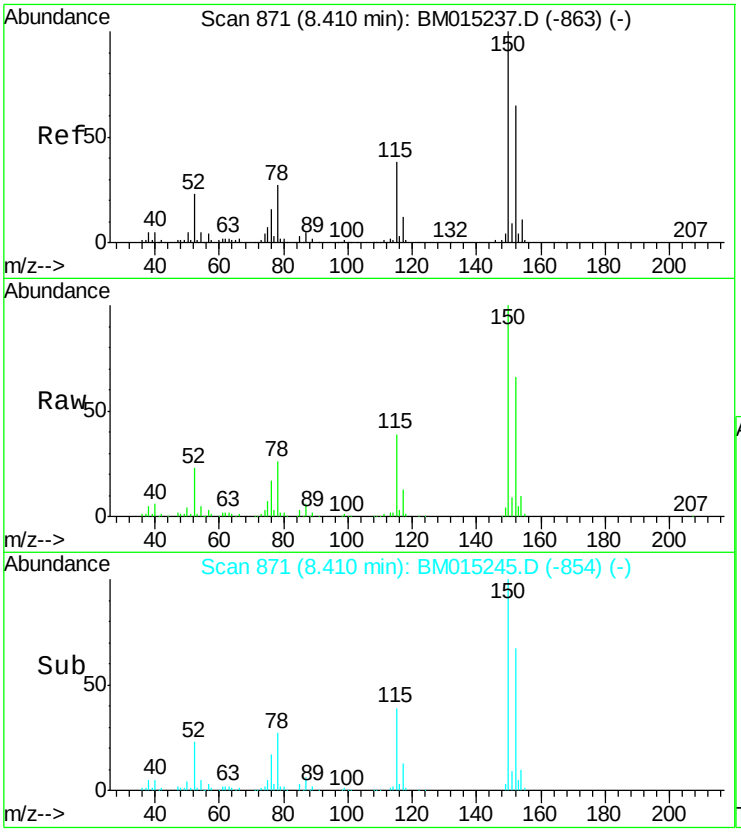
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
Data File : BM015245.D
Acq On : 22 May 2018 18:09
Operator : SJ/JU
Sample : J2133-01
Misc : LOD 2 PPM
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: May 23 05:00:29 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



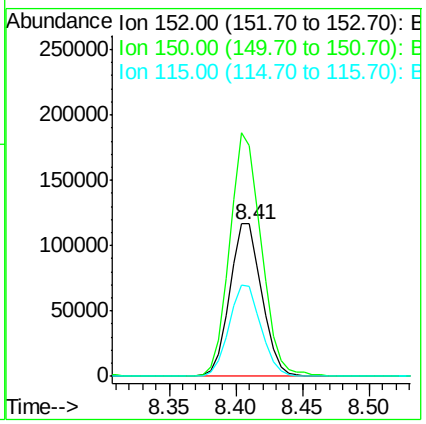


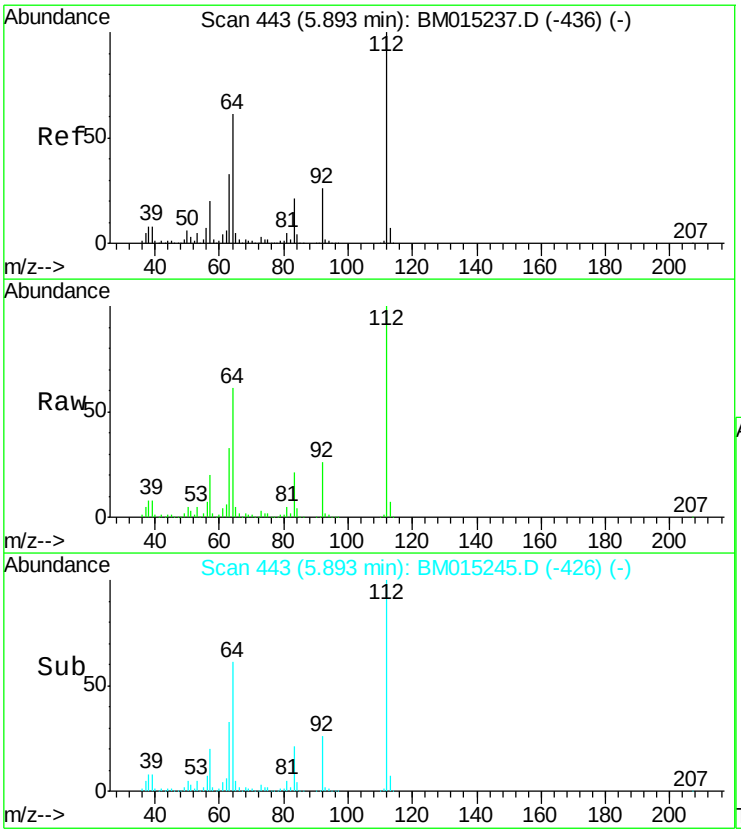
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.41 min Scan# 871
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

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

Tgt Ion:152 Resp: 195218

Ion	Ratio	Lower	Upper
152	100		
150	151.1	119.5	179.3
115	59.0	43.0	64.4

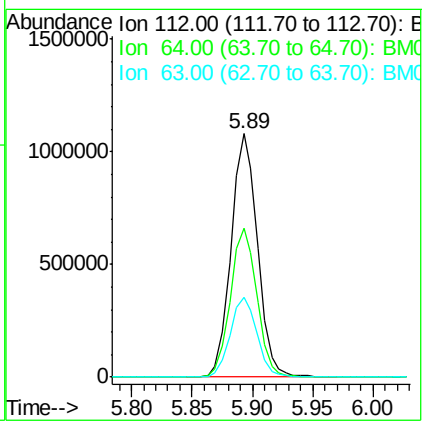


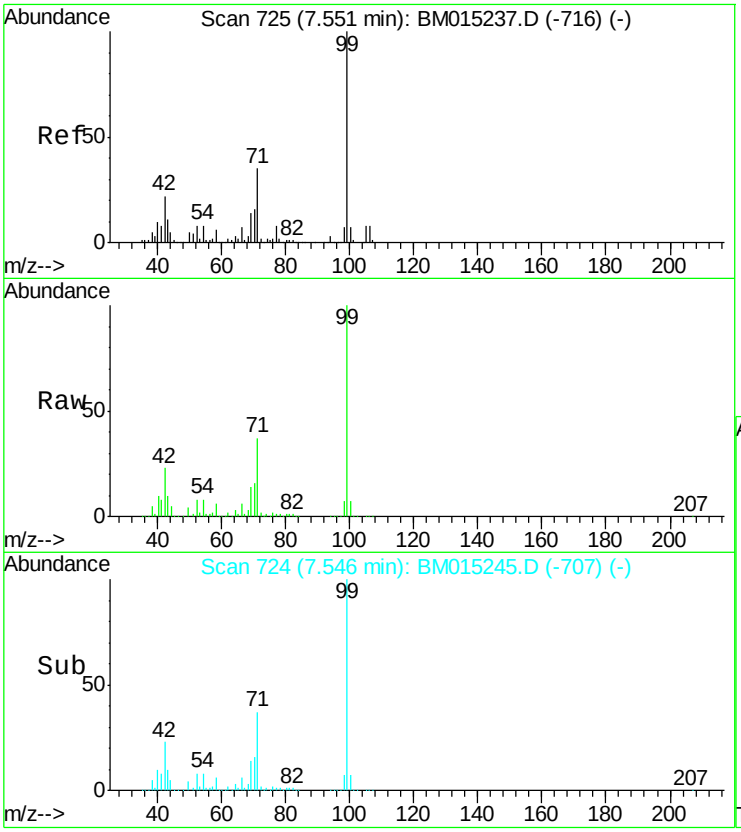


#5
2-Fluorophenol
Concen: 138.078 ng
RT: 5.89 min Scan# 443
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

Tgt Ion:112 Resp: 1647555

Ion	Ratio	Lower	Upper
112	100		
64	61.4	38.6	57.8#
63	32.5	19.3	28.9#



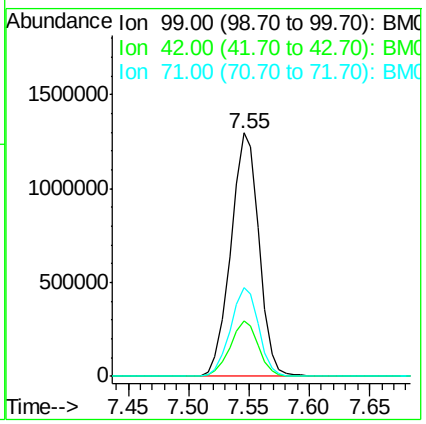


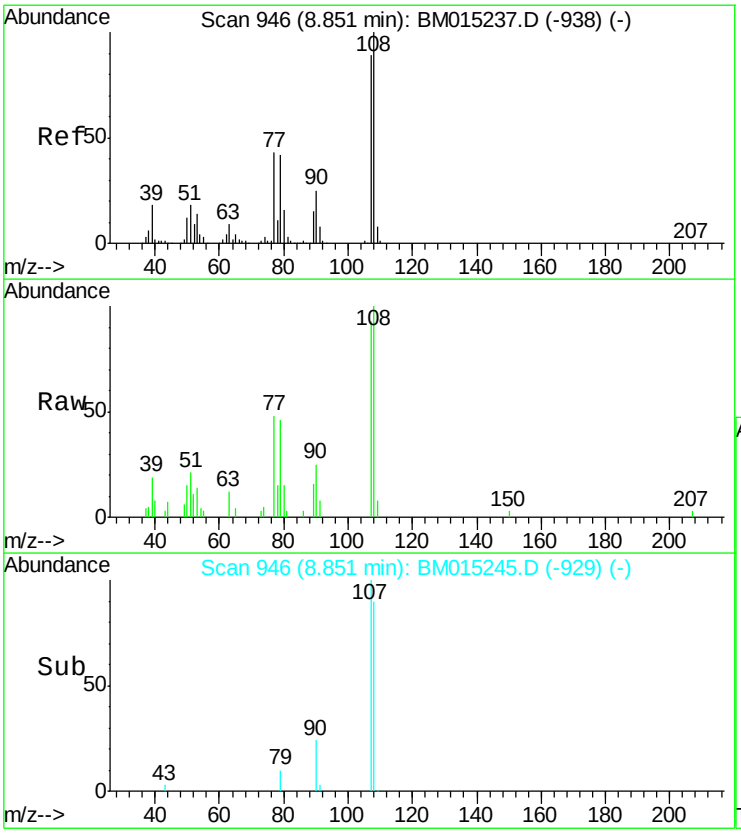
#7
Phenol-d6
Concen: 135.360 ng
RT: 7.55 min Scan# 724
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

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

Tgt Ion: 99 Resp: 2103202

Ion	Ratio	Lower	Upper
99	100		
42	22.6	11.0	16.4#
71	36.6	23.4	35.2#

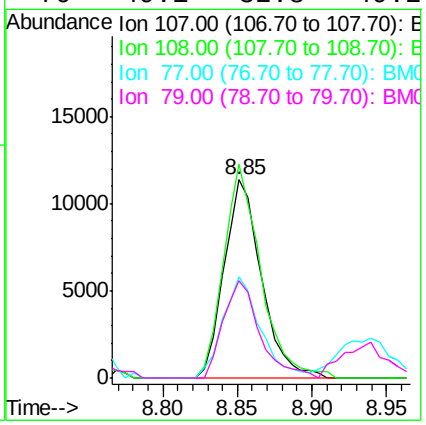


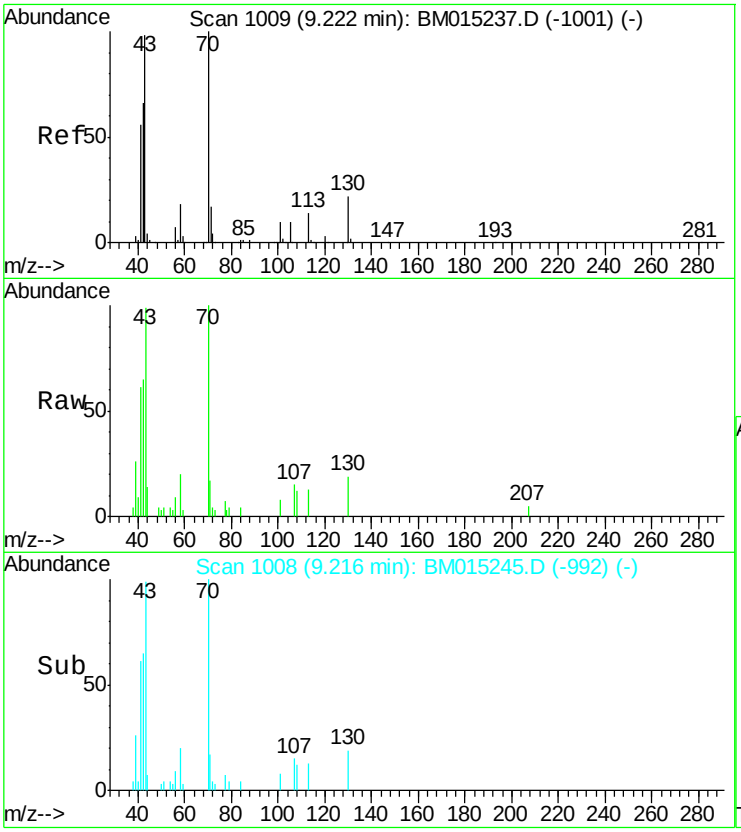


#17
2-Methylphenol
Concen: 1.893 ng
RT: 8.85 min Scan# 946
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

Tgt Ion:107 Resp: 19861

Ion	Ratio	Lower	Upper
107	100		
108	107.8	89.8	134.8
77	51.4	32.6	48.8#
79	49.1	32.8	49.2



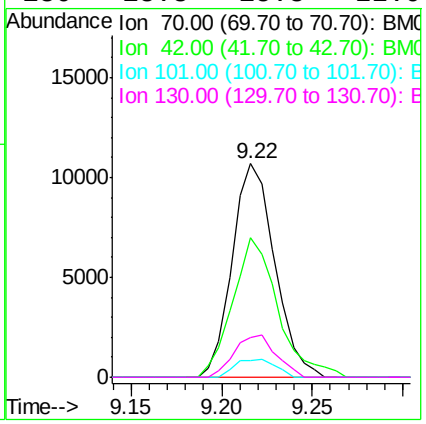


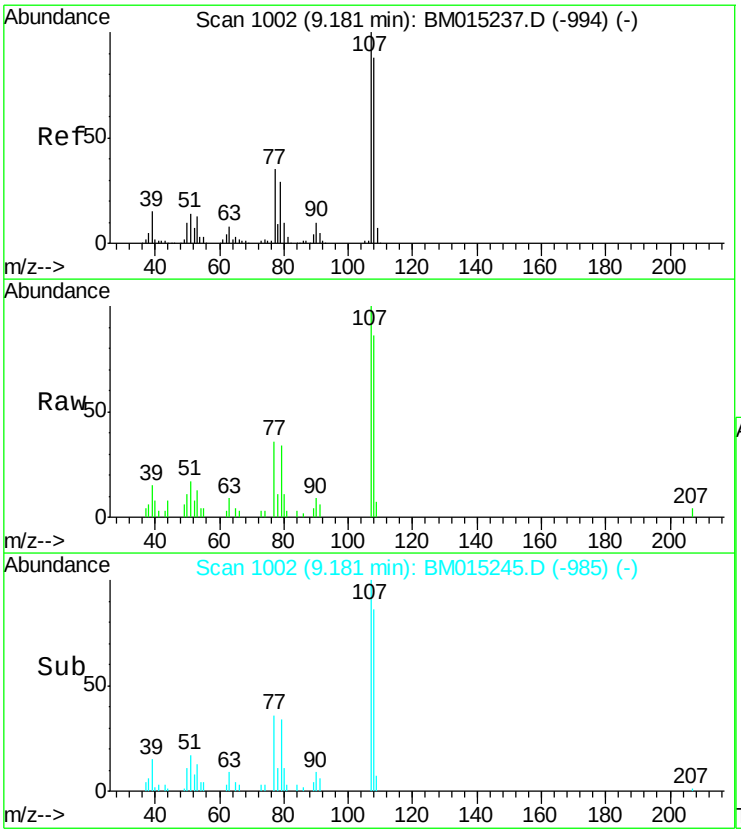
#19
n-Nitroso-di-n-propylamine
Concen: 1.762 ng
RT: 9.22 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

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

Tgt Ion: 70 Resp: 17448

Ion	Ratio	Lower	Upper
70	100		
42	65.4	44.5	66.7
101	7.7	7.4	11.2
130	18.8	15.3	22.9

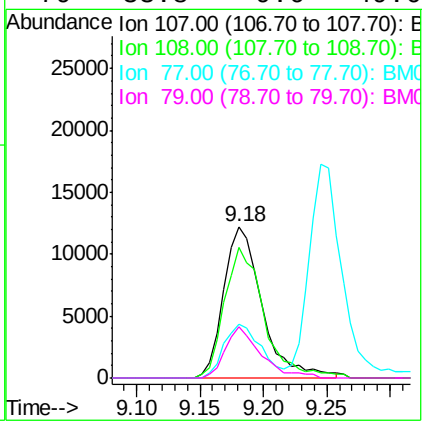


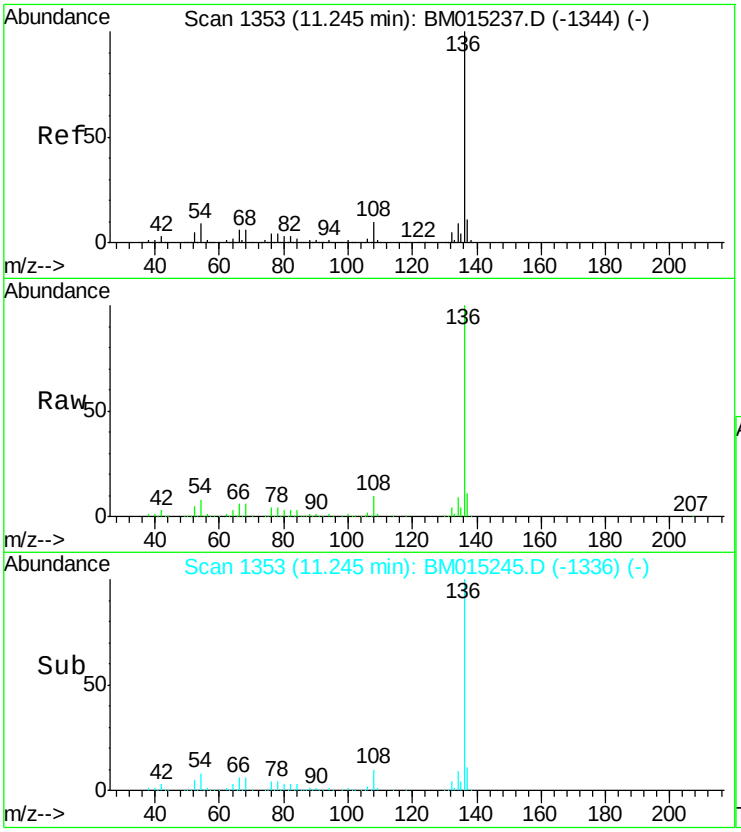


#20
3+4-Methylphenols
Concen: 1.844 ng
RT: 9.18 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

Tgt Ion:107 Resp: 25688

Ion	Ratio	Lower	Upper
107	100		
108	86.4	73.2	113.2
77	35.6	10.7	50.7
79	33.8	9.6	49.6



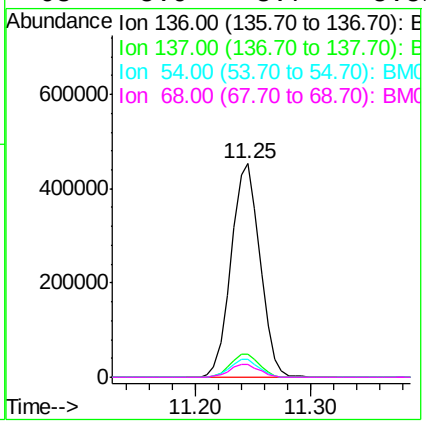


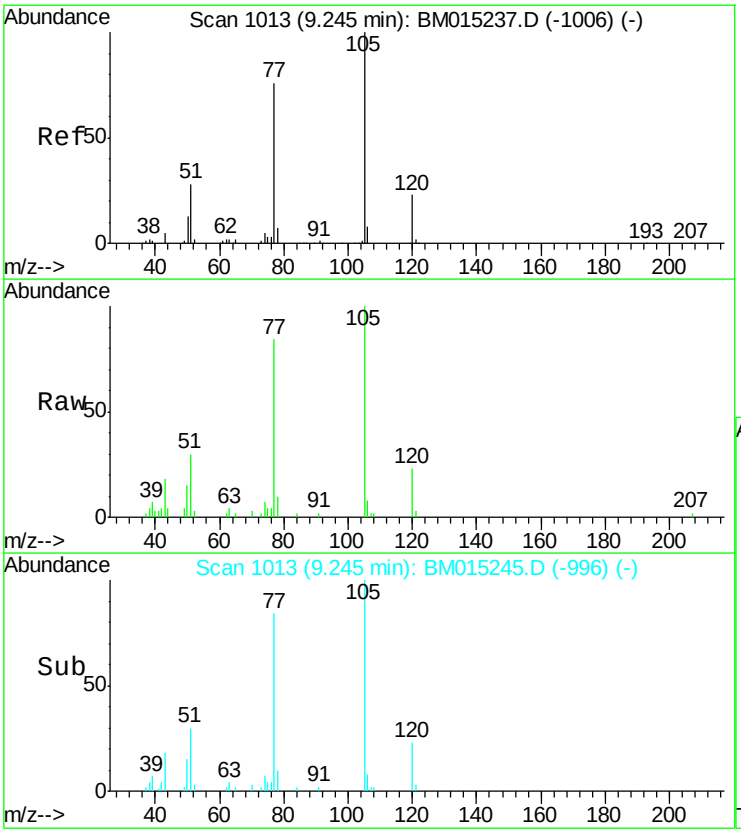
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.25 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

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

Tgt Ion:136 Resp: 784531

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	8.4	4.6	6.8#
68	5.9	3.7	5.5#

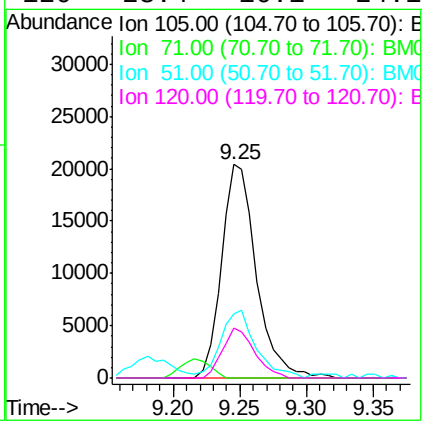


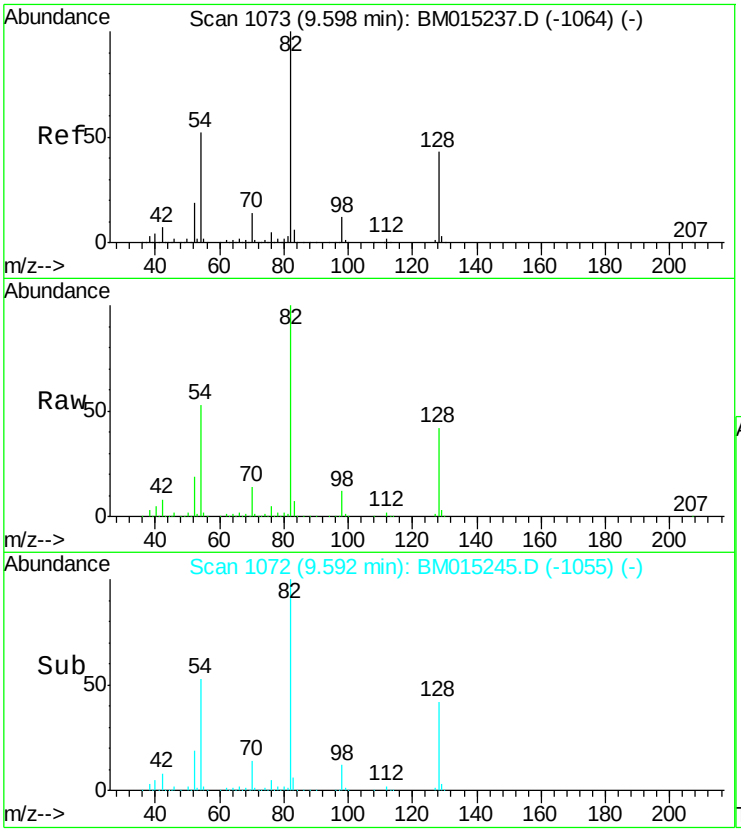


#22
Acetophenone
Concen: 1.981 ng
RT: 9.25 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

Tgt Ion:105 Resp: 37288

Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	1.0#
51	30.2	21.6	32.4
120	23.4	16.1	24.1



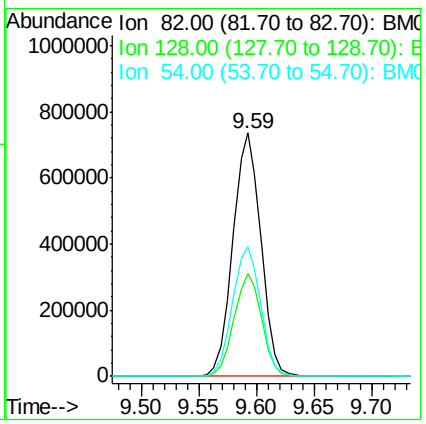


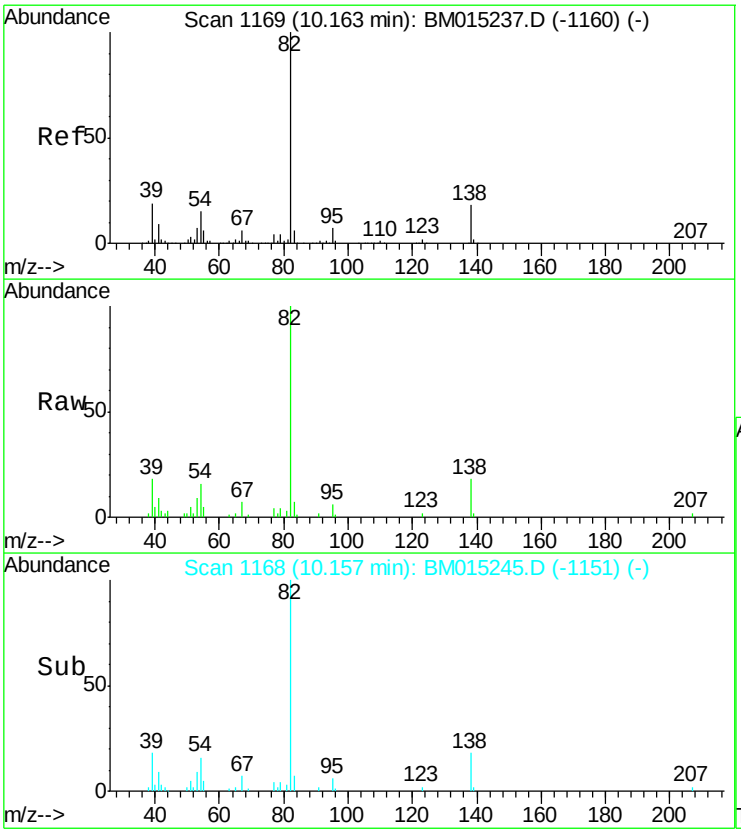
#23
Nitrobenzene-d5
Concen: 86.103 ng
RT: 9.59 min Scan# 1072
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

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

Tgt Ion: 82 Resp: 1233114

Ion	Ratio	Lower	Upper
82	100		
128	42.1	32.8	49.2
54	53.2	40.6	60.8

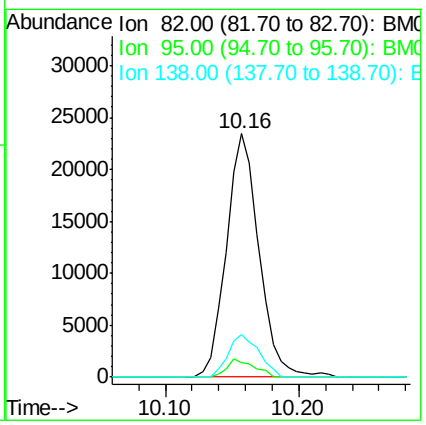


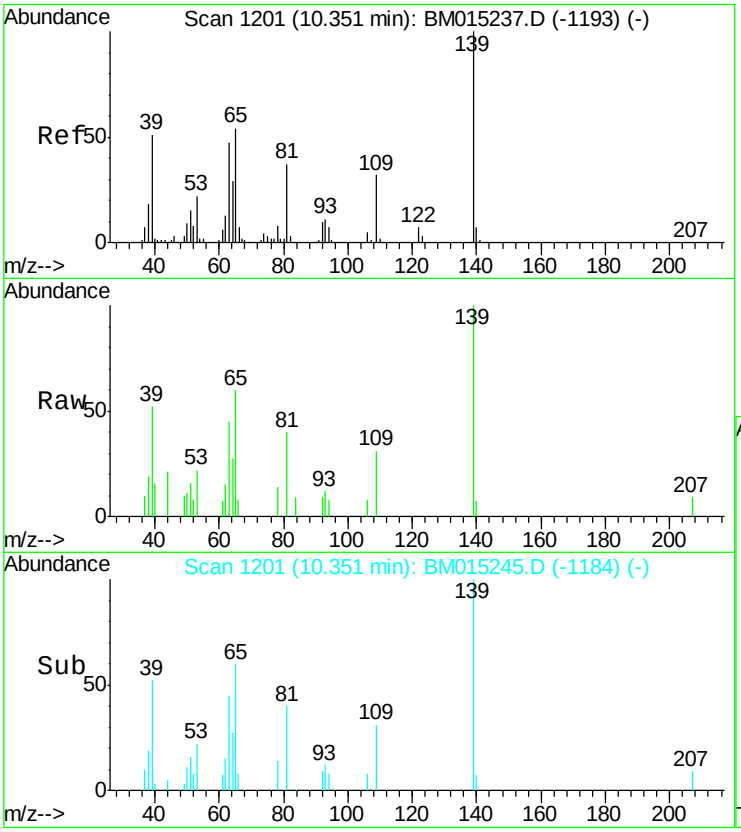


#25
Isophorone
Concen: 1.627 ng
RT: 10.16 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

Tgt Ion: 82 Resp: 40023

Ion	Ratio	Lower	Upper
82	100		
95	5.9	5.8	8.6
138	17.6	16.3	24.5



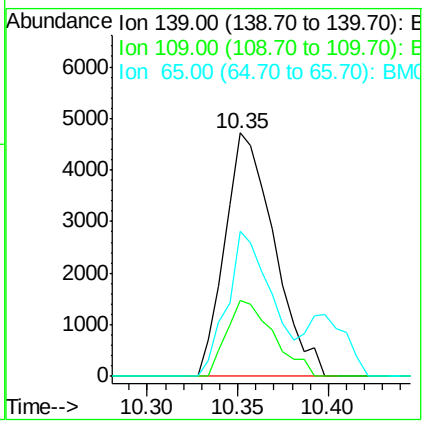


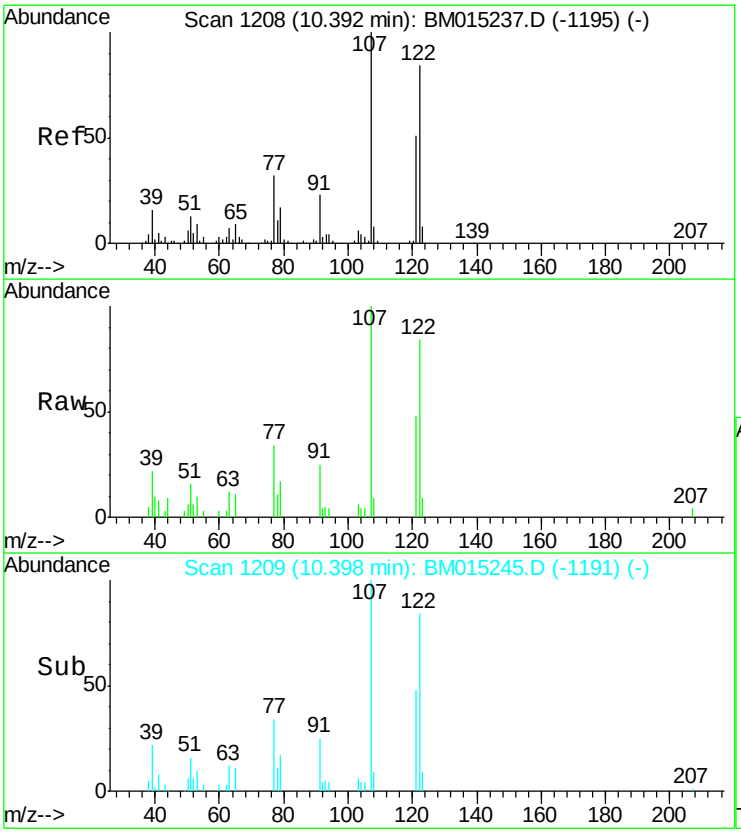
#26
2-Nitrophenol
Concen: 1.333 ng
RT: 10.35 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

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

Tgt Ion:139 Resp: 8921

Ion	Ratio	Lower	Upper
139	100		
109	31.3	20.1	30.1#
65	59.5	31.5	47.3#

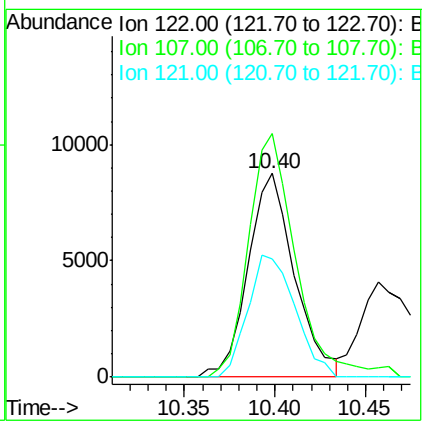


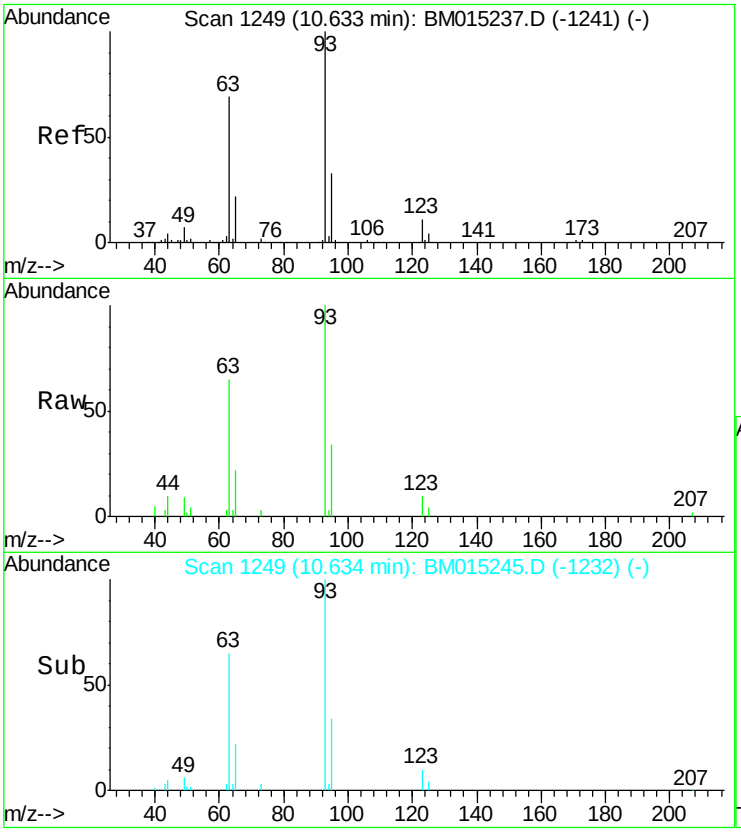


#27
2,4-Dimethylphenol
Concen: 1.290 ng
RT: 10.40 min Scan# 1209
Delta R.T. 0.01 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

Tgt Ion:122 Resp: 15651

Ion	Ratio	Lower	Upper
122	100		
107	119.6	84.7	127.1
121	57.8	46.6	69.8



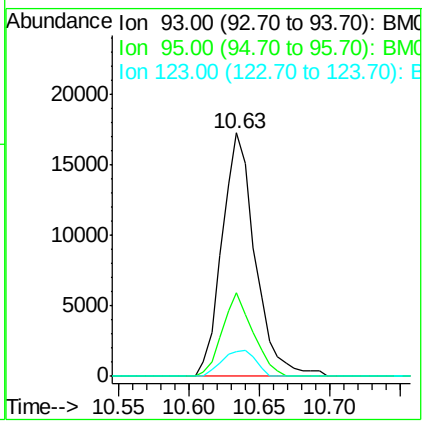


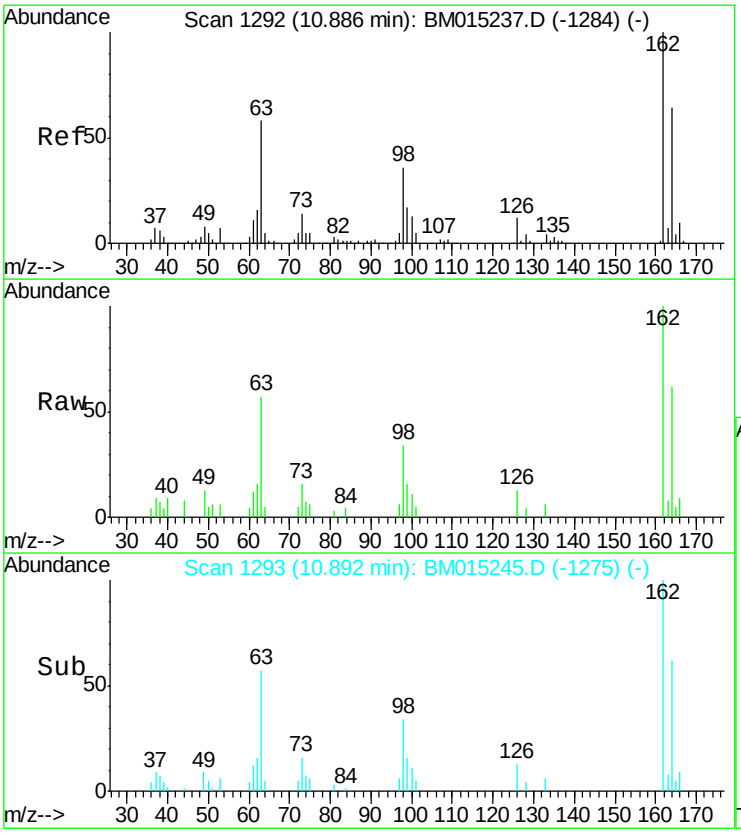
#28
bis(2-Chloroethoxy)methane
Concen: 1.752 ng
RT: 10.63 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

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

Tgt Ion: 93 Resp: 28224

Ion	Ratio	Lower	Upper
93	100		
95	34.3	25.5	38.3
123	10.1	8.6	13.0

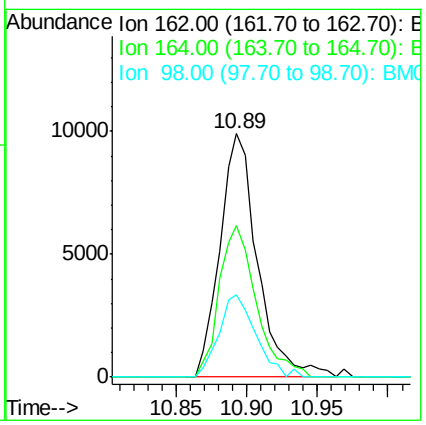


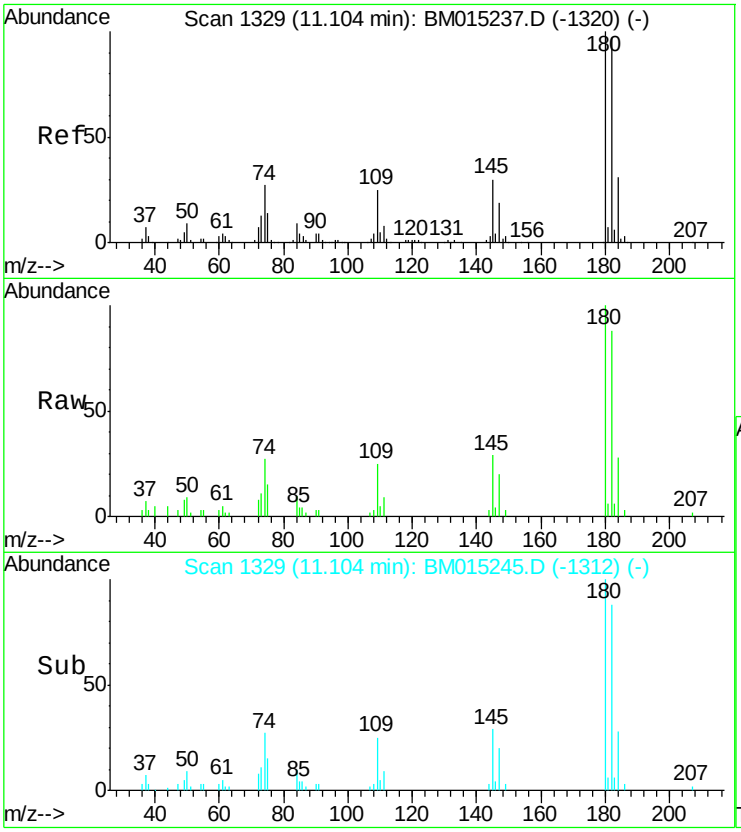


#29
2,4-Dichlorophenol
Concen: 1.597 ng
RT: 10.89 min Scan# 1293
Delta R.T. 0.01 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

Tgt Ion:162 Resp: 18356

Ion	Ratio	Lower	Upper
162	100		
164	62.4	42.8	82.8
98	33.8	14.5	54.5



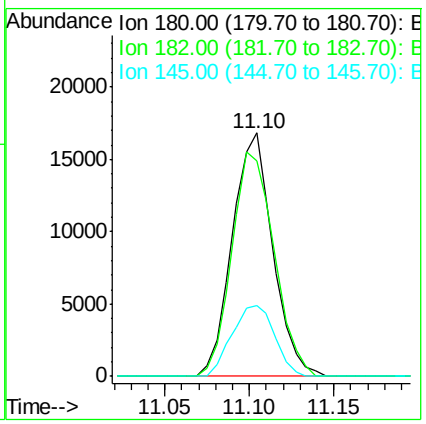


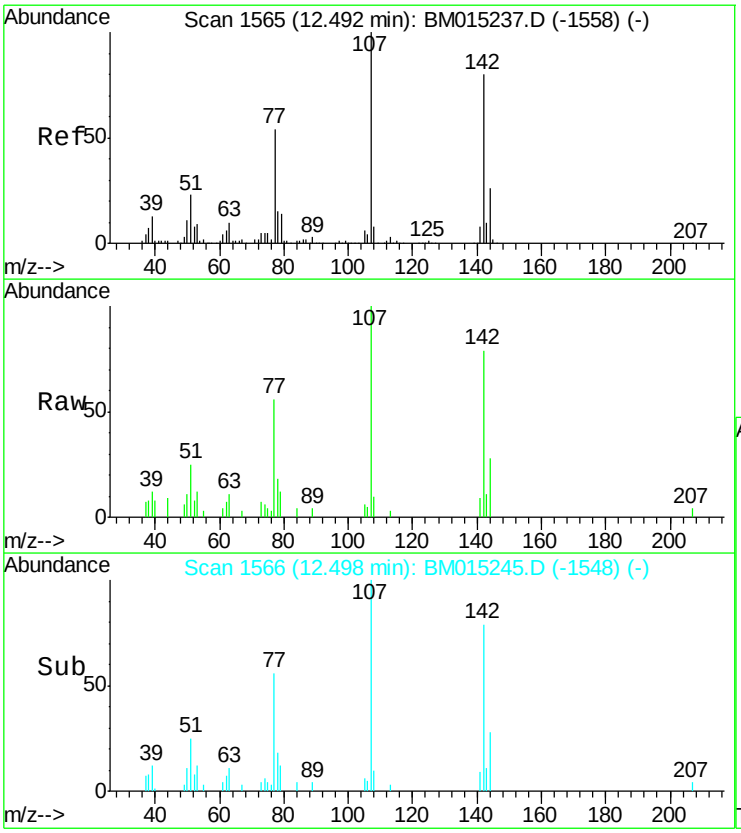
#30
1,2,4-Trichlorobenzene
Concen: 2.071 ng
RT: 11.10 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

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

Tgt Ion:180 Resp: 28042

Ion	Ratio	Lower	Upper
180	100		
182	88.3	77.6	116.4
145	28.9	23.4	35.2

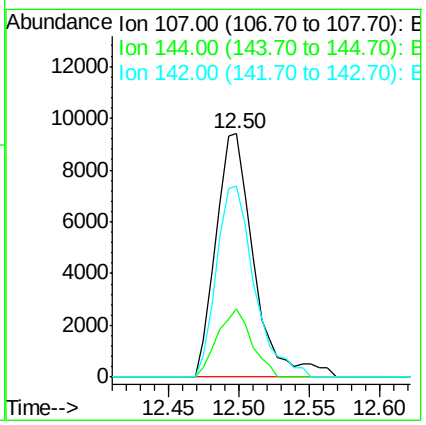


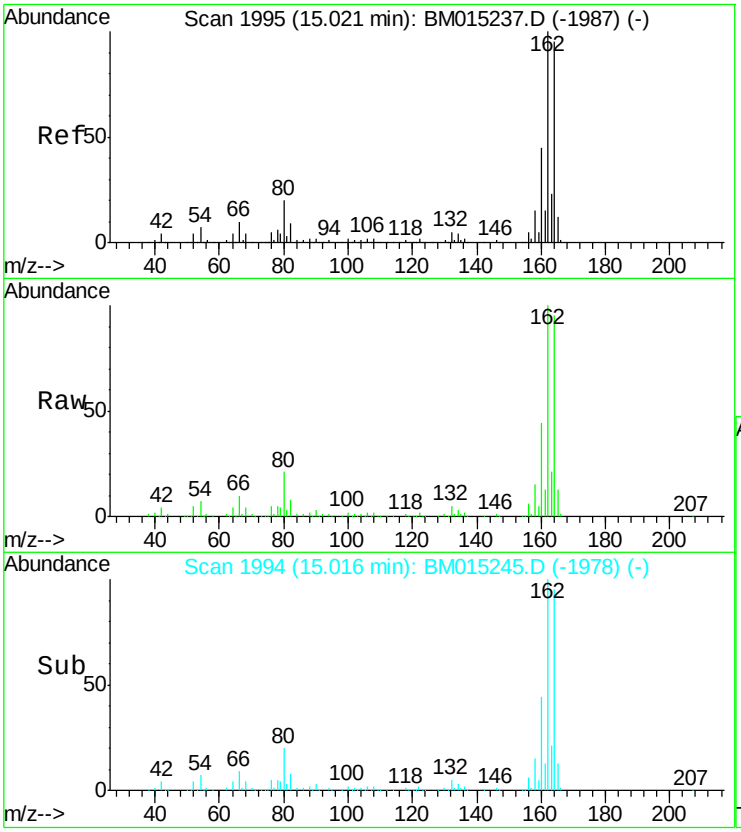


#36
4-Chloro-3-methylphenol
Concen: 1.494 ng
RT: 12.50 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

Tgt Ion:107 Resp: 17541

Ion	Ratio	Lower	Upper
107	100		
144	27.8	23.3	34.9
142	78.5	72.6	109.0



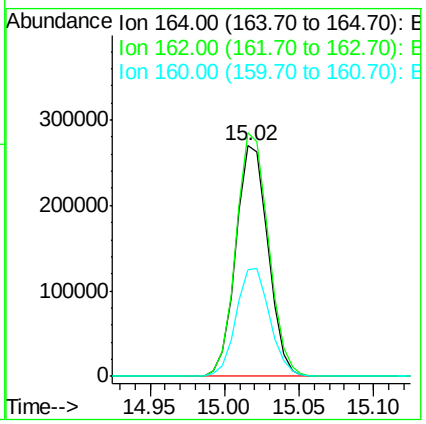


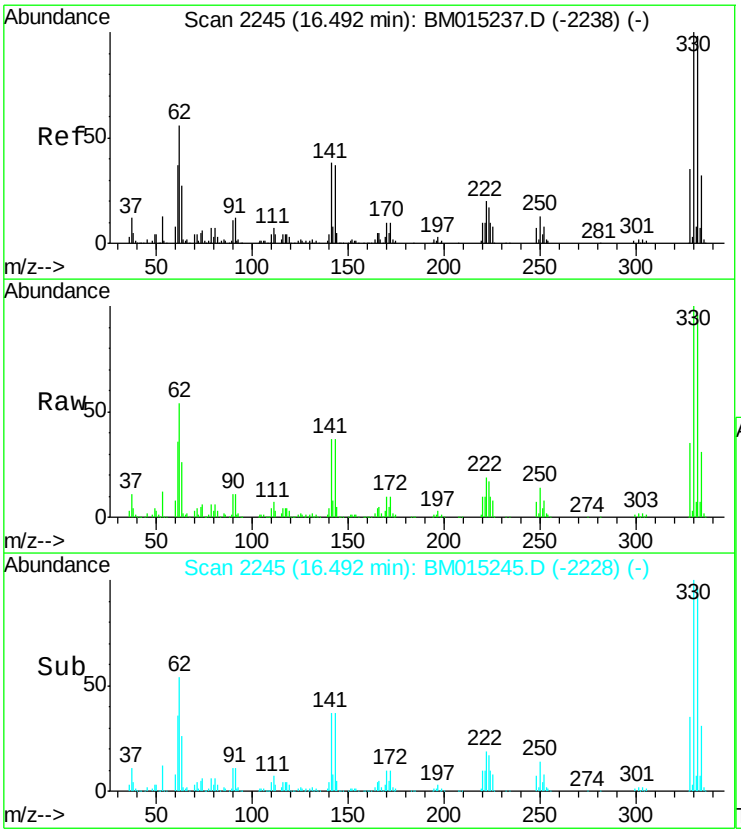
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.02 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

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

Tgt Ion:164 Resp: 405760

Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.4	123.6
160	46.1	35.8	53.6

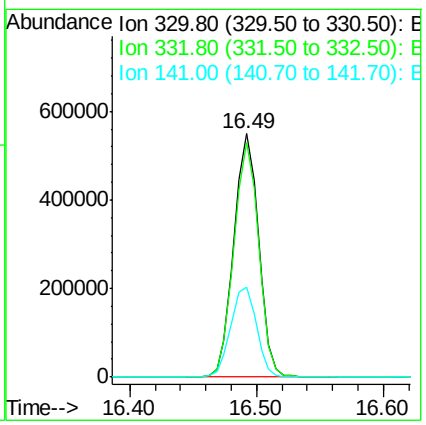


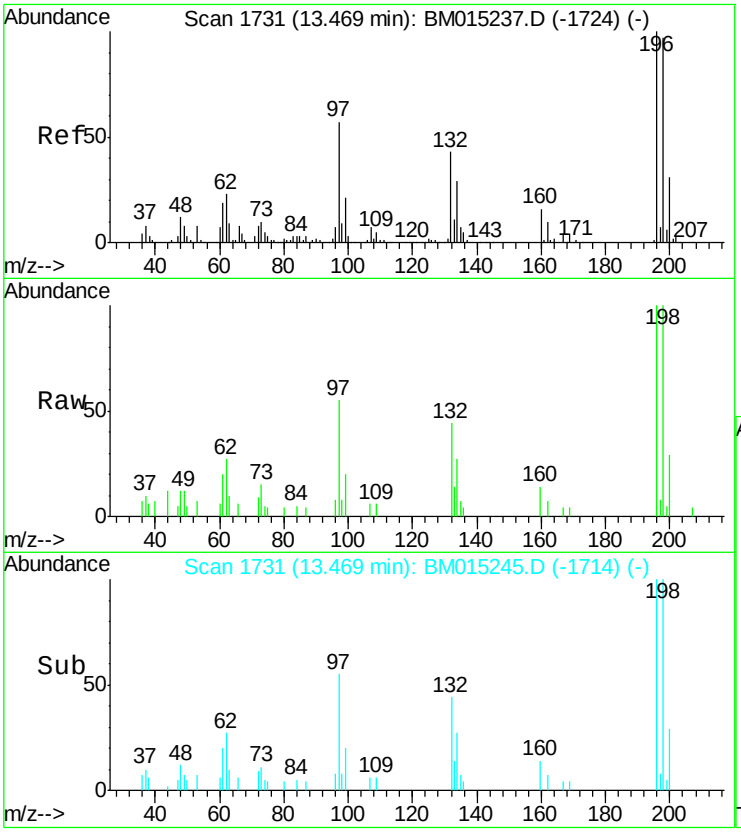


#41
2,4,6-Tribromophenol
Concen: 145.934 ng
RT: 16.49 min Scan# 2245
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

Tgt Ion:330 Resp: 742529

Ion	Ratio	Lower	Upper
330	100		
332	96.2	0.0	0.0#
141	38.2	0.0	0.0#



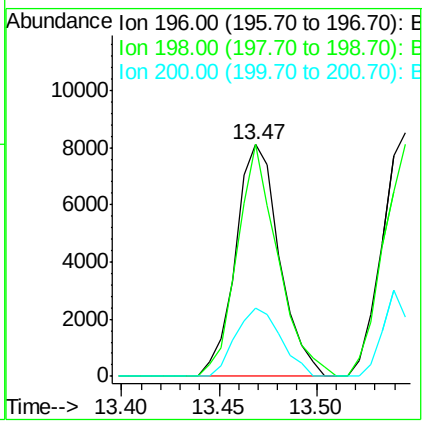


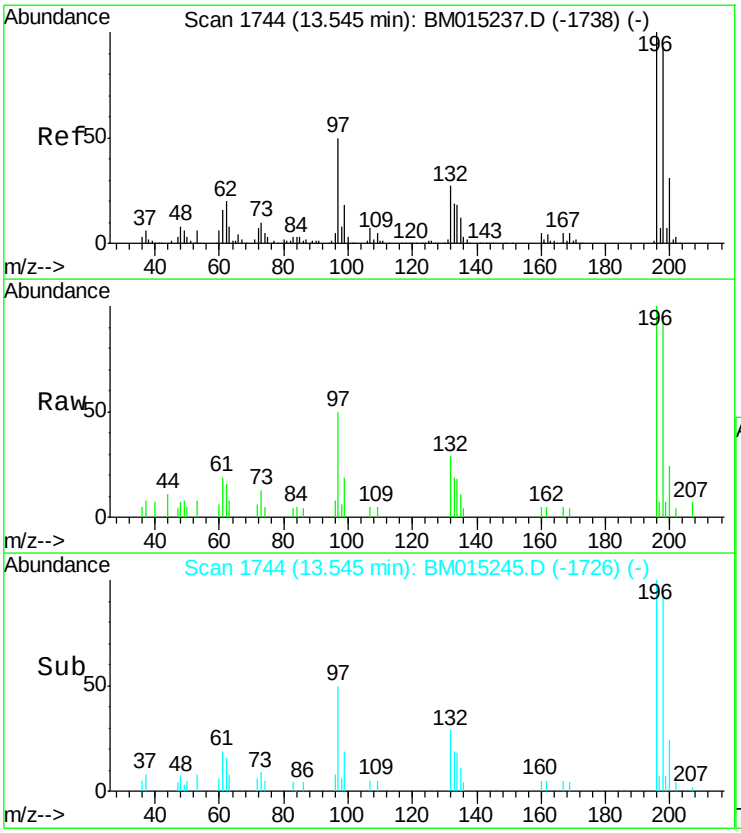
#42
2,4,6-Trichlorophenol
Concen: 1.467 ng
RT: 13.47 min Scan# 1731
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

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

Tgt Ion:196 Resp: 12604

Ion	Ratio	Lower	Upper
196	100		
198	100.3	76.3	114.5
200	29.3	25.6	38.4

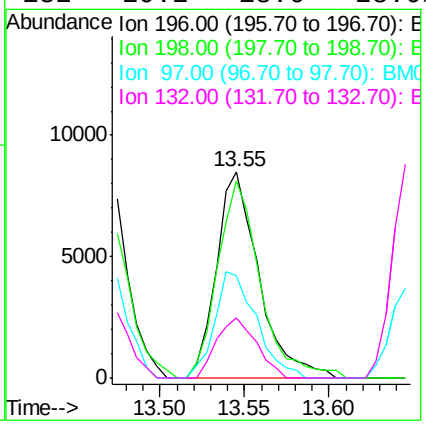


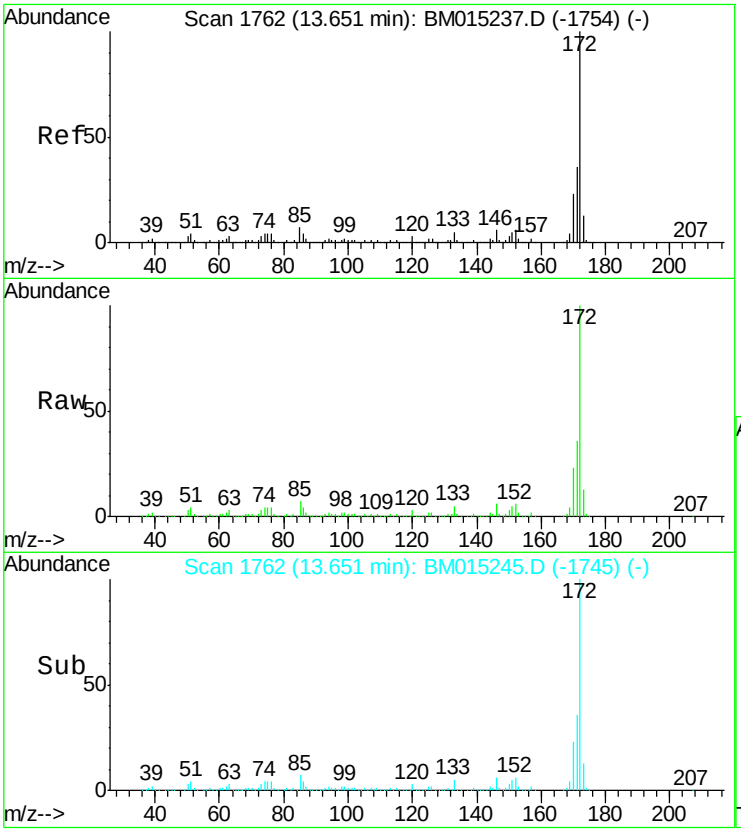


#43
2,4,5-Trichlorophenol
Concen: 1.601 ng
RT: 13.55 min Scan# 1744
Delta R.T. 0.01 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

Tgt Ion:196 Resp: 14852

Ion	Ratio	Lower	Upper
196	100		
198	95.3	79.4	119.0
97	49.9	26.8	40.2#
132	29.2	18.6	28.0#



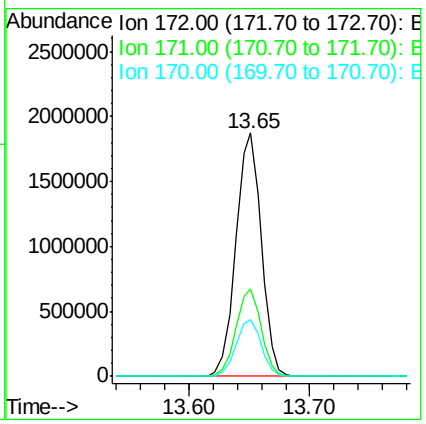


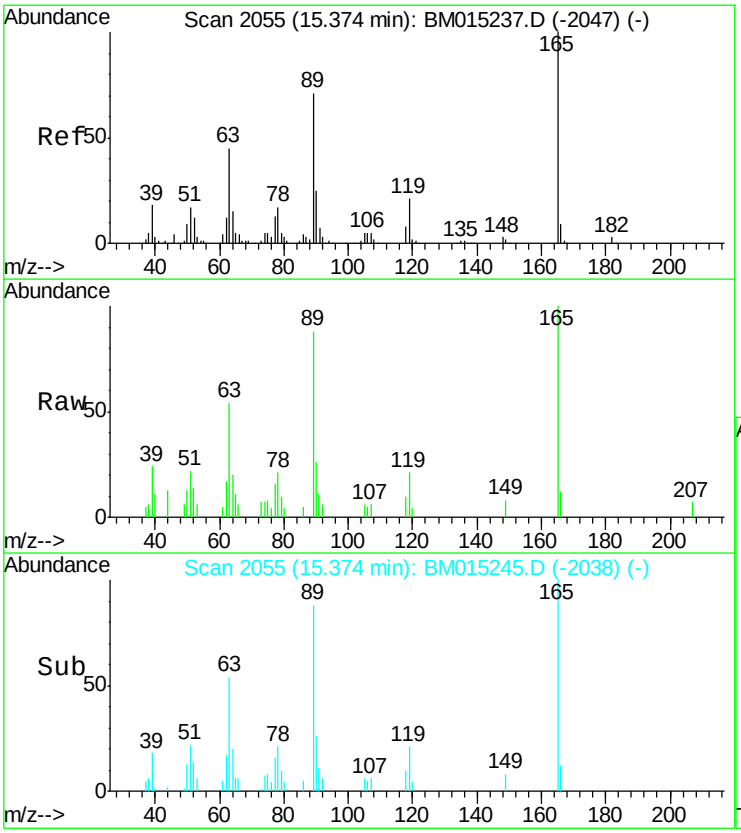
#44
2-Fluorobiphenyl
Concen: 84.111 ng
RT: 13.65 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

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

Tgt Ion:172 Resp: 2745398

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.5	42.7
170	23.4	18.8	28.2

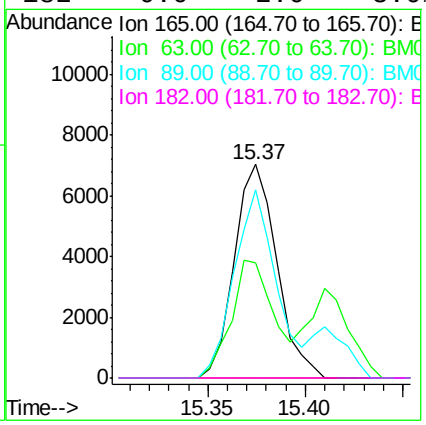


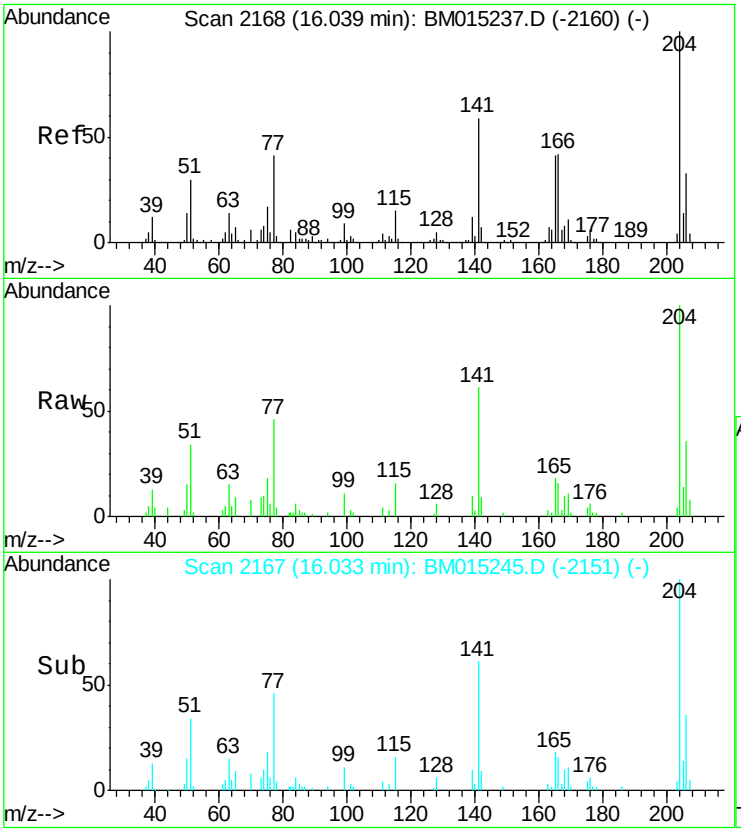


#56
2,4-Dinitrotoluene
Concen: 1.143 ng
RT: 15.37 min Scan# 2055
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

Tgt Ion:165 Resp: 10571

Ion	Ratio	Lower	Upper
165	100		
63	53.7	52.4	78.6
89	88.1	72.4	108.6
182	0.0	2.0	3.0#



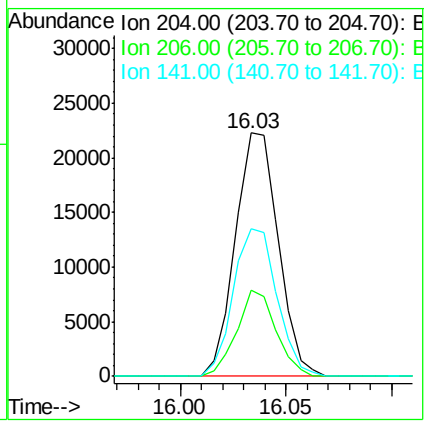


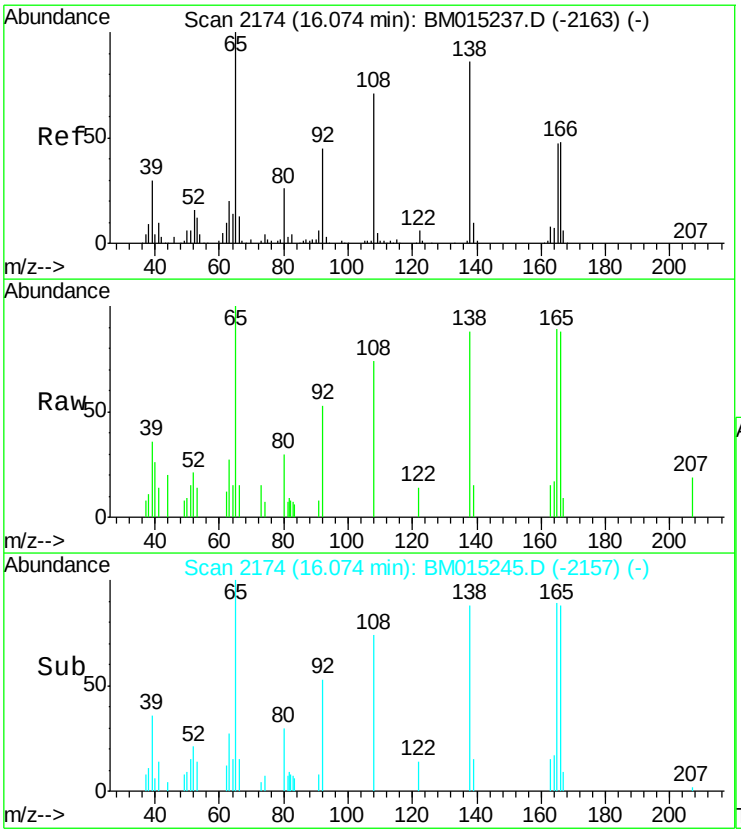
#60
4-Chlorophenyl-phenylether
Concen: 1.958 ng
RT: 16.03 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

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

Tgt Ion:204 Resp: 31413

Ion	Ratio	Lower	Upper
204	100		
206	35.5	26.6	39.8
141	60.8	45.2	67.8

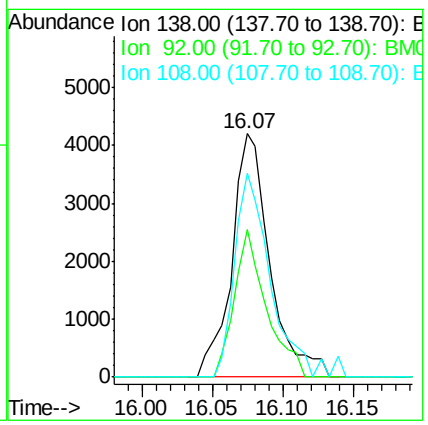


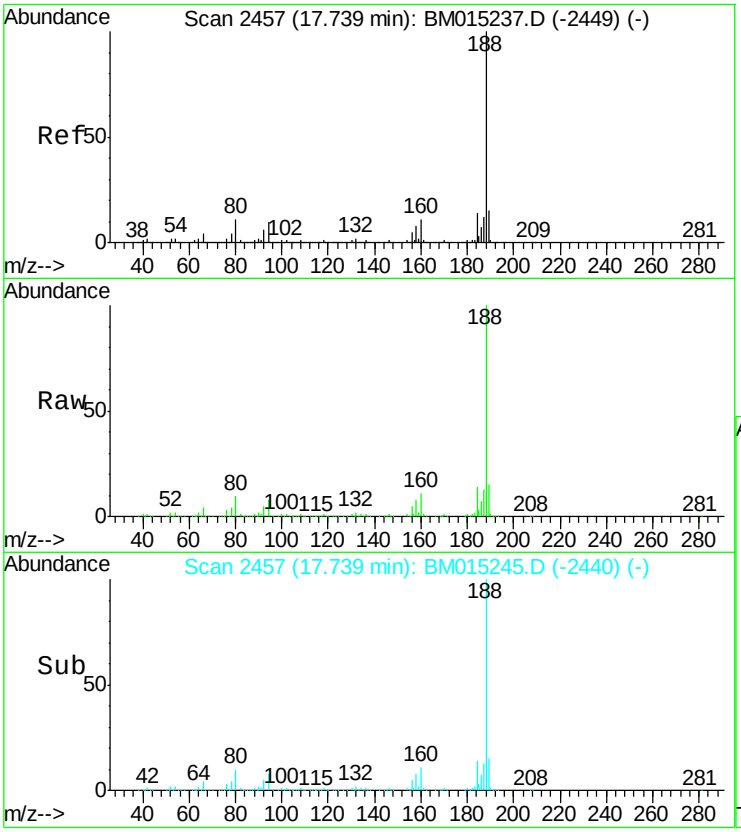


#61
4-Nitroaniline
Concen: 1.064 ng
RT: 16.07 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

Tgt Ion:138 Resp: 7914

Ion	Ratio	Lower	Upper
138	100		
92	60.6	16.7	56.7#
108	83.7	37.6	77.6#



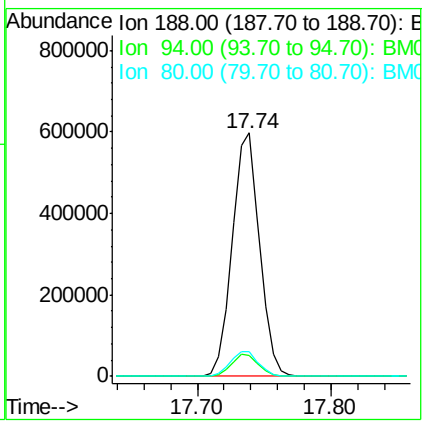


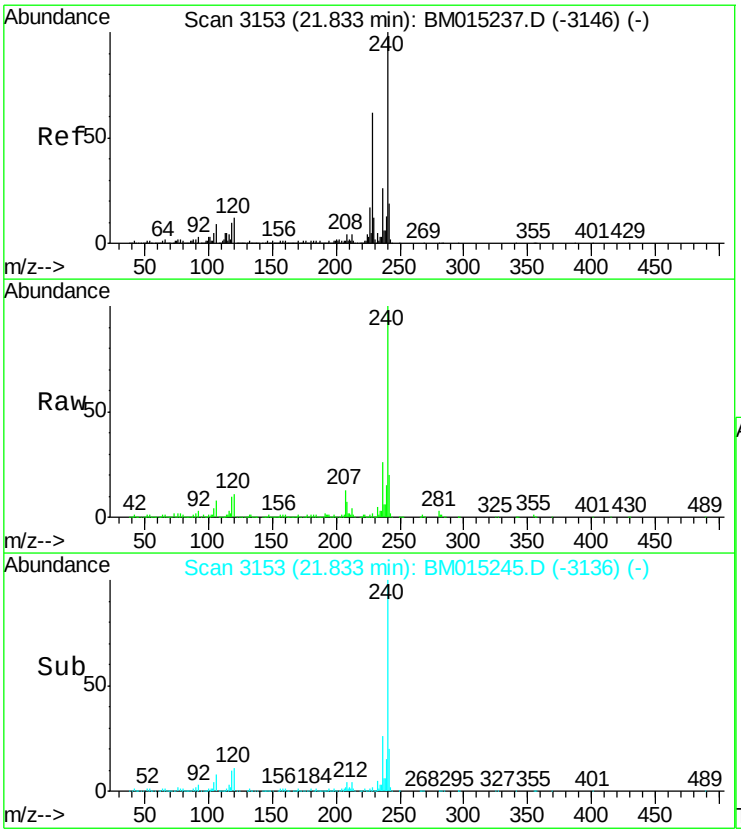
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.74 min Scan# 2457
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

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

Tgt Ion:188 Resp: 850256

Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.7	13.1#
80	10.1	9.3	13.9

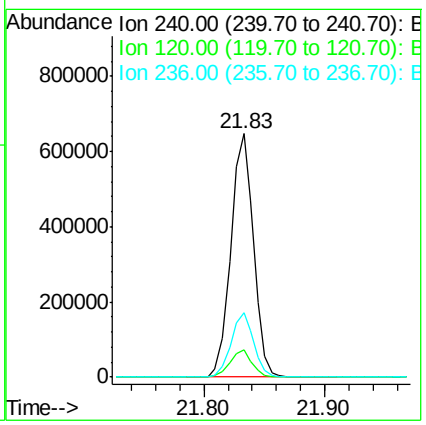


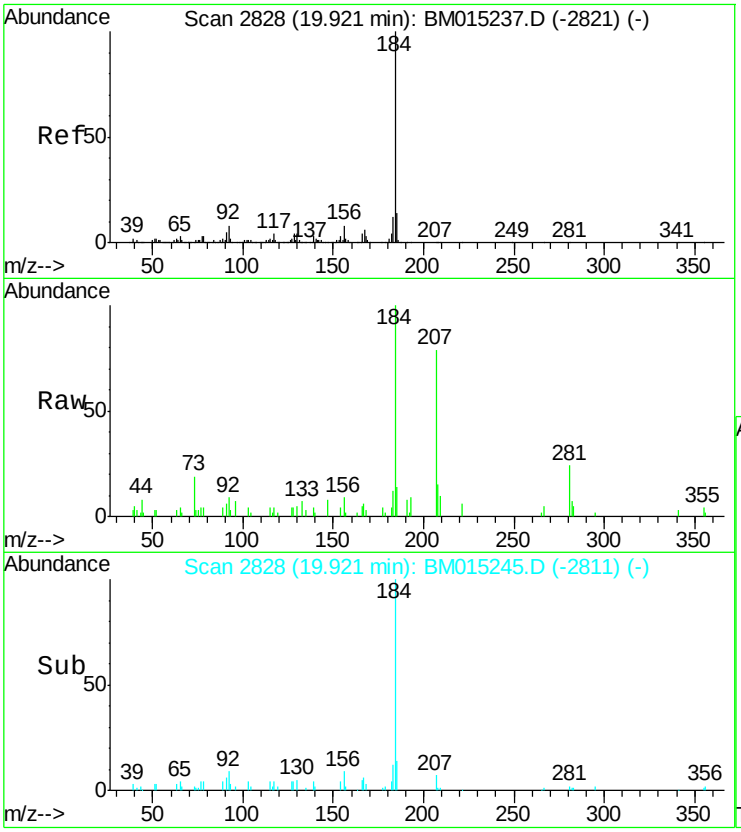


#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3153
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

Tgt Ion:240 Resp: 844870

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.2	12.2
236	26.2	20.0	30.0



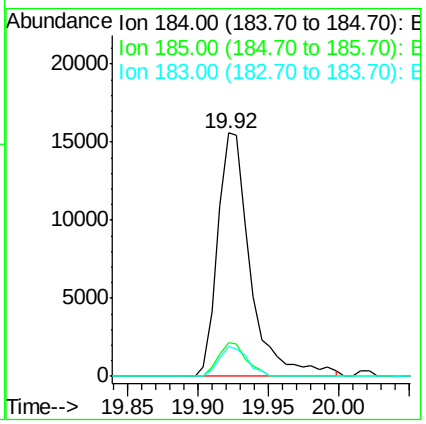


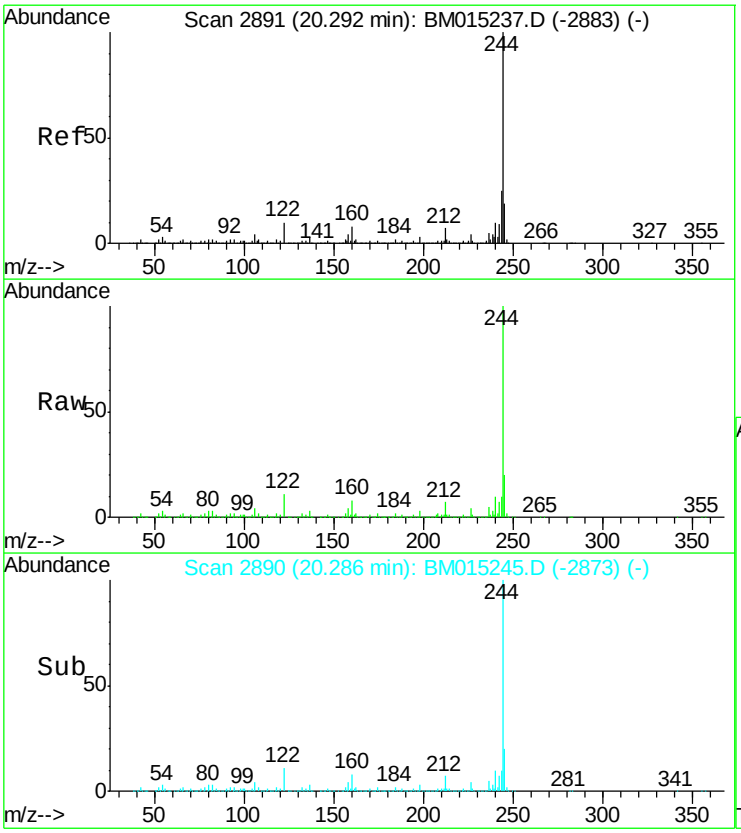
#76
Benzidine
Concen: 0.947 ng
RT: 19.92 min Scan# 2828
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

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

Tgt Ion:184 Resp: 25057

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.3	16.9
183	12.2	8.9	13.3

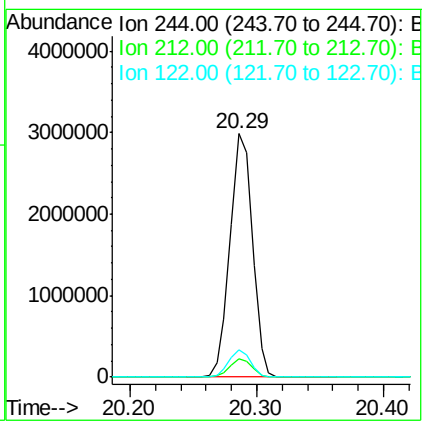


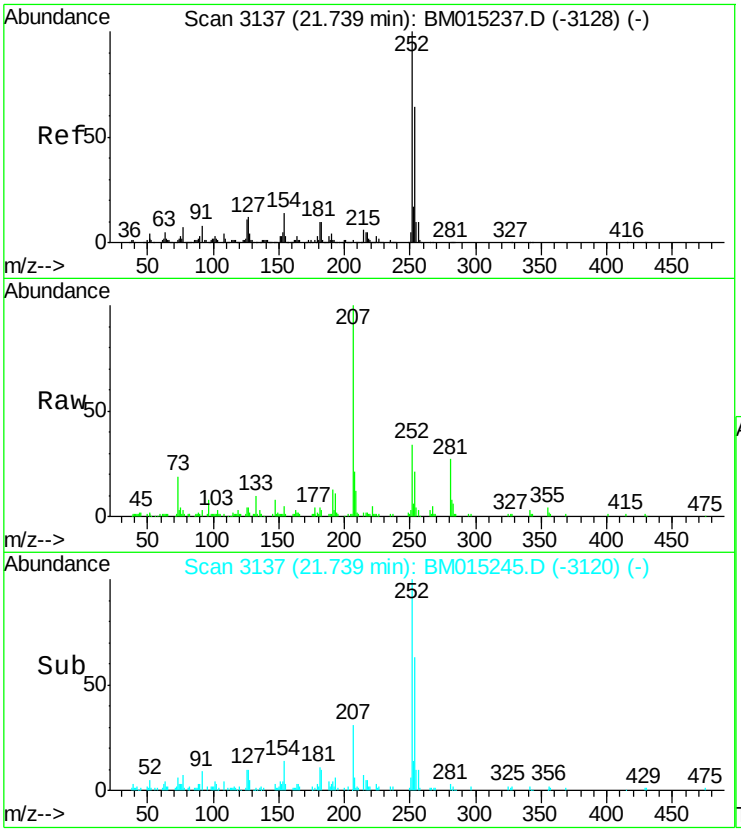


#78
Terphenyl-d14
Concen: 95.208 ng
RT: 20.29 min Scan# 2890
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

Tgt Ion:244 Resp: 3642673

Ion	Ratio	Lower	Upper
244	100		
212	7.4	4.9	7.3#
122	11.4	6.2	9.4#



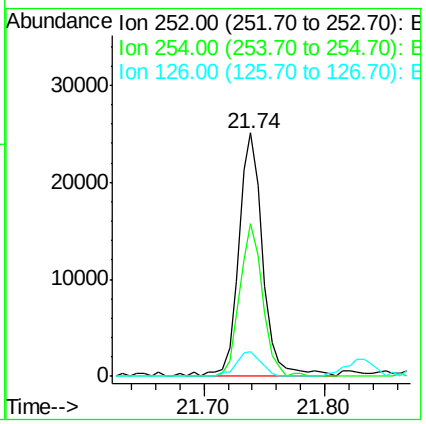


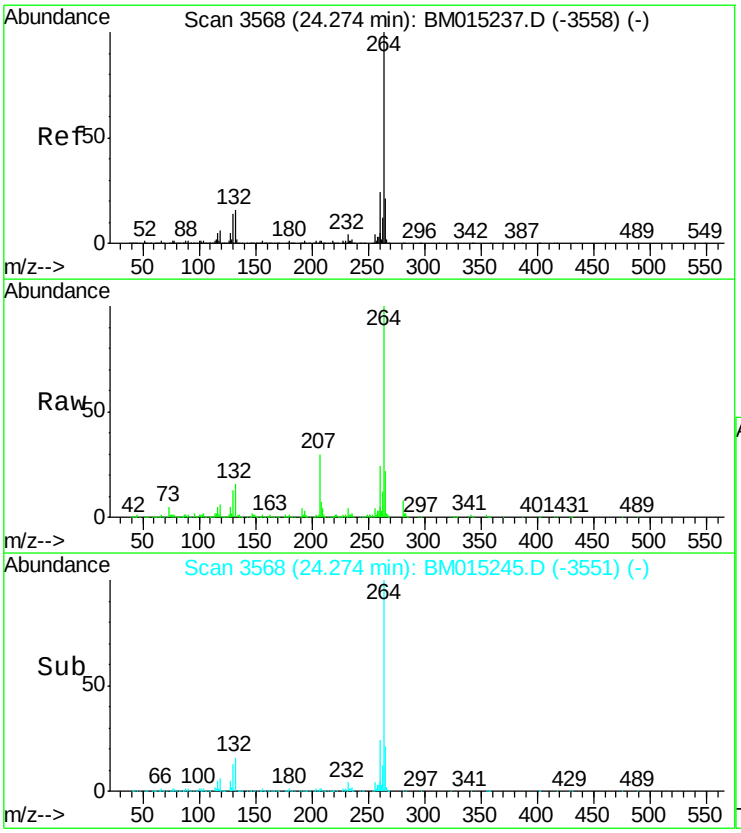
#81
3,3'-Dichlorobenzidine
Concen: 1.770 ng
RT: 21.74 min Scan# 3137
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

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

Tgt Ion:252 Resp: 34900

Ion	Ratio	Lower	Upper
252	100		
254	63.0	51.9	77.9
126	10.3	9.8	14.8

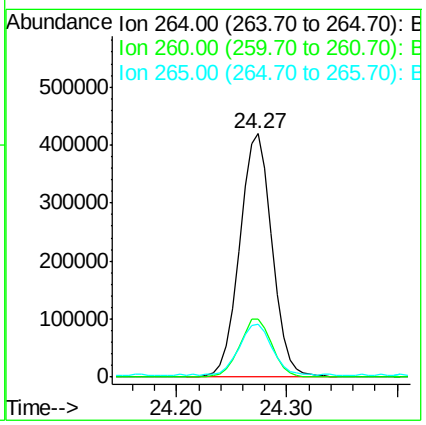




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.27 min Scan# 3568
Delta R.T. 0.00 min
Lab File: BM015245.D
Acq: 22 May 2018 18:09

Tgt Ion:264 Resp: 864554

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	27.8
265	22.0	17.3	25.9



Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
Data File : BM015245.D
Acq On : 22 May 2018 18:09
Operator : SJ/JU
Sample : J2133-01
Misc : LOD 2 PPM
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: May 23 05:00:29 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	8.41	152	195218	20.00	ng		0.00
21) Naphthalene-d8	11.25	136	784531	20.00	ng		0.00
38) Acenaphthene-d10	15.02	164	405760	20.00	ng		0.00
63) Phenanthrene-d10	17.74	188	850256	20.00	ng		0.00
75) Chrysene-d12	21.83	240	844870	20.00	ng		0.00
86) Perylene-d12	24.27	264	864554	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.89	112	1647555	138.08	ng		0.00
7) Phenol-d6	7.55	99	2103202	135.36	ng		0.00
23) Nitrobenzene-d5	9.59	82	1233114	86.10	ng		0.00
41) 2,4,6-Tribromophenol	16.49	330	742529	145.93	ng		0.00
44) 2-Fluorobiphenyl	13.65	172	2745398	84.11	ng		0.00
78) Terphenyl-d14	20.29	244	3642673	95.21	ng		0.00
Target Compounds							Qvalue
17) 2-Methylphenol	8.85	107	19861	1.893	ng	#	91
19) n-Nitroso-di-n-propylamine	9.22	70	17448	1.762	ng		90
20) 3+4-Methylphenols	9.18	107	25688	1.844	ng		92
22) Acetophenone	9.25	105	37288	1.981	ng	#	94
25) Isophorone	10.16	82	40023	1.627	ng		95
26) 2-Nitrophenol	10.35	139	8921	1.333	ng	#	75
27) 2,4-Dimethylphenol	10.40	122	15651	1.290	ng		91
28) bis(2-Chloroethoxy)methane	10.63	93	28224	1.752	ng		96
29) 2,4-Dichlorophenol	10.89	162	18356	1.597	ng		99
30) 1,2,4-Trichlorobenzene	11.10	180	28042	2.071	ng		93
36) 4-Chloro-3-methylphenol	12.50	107	17541	1.494	ng		90
42) 2,4,6-Trichlorophenol	13.47	196	12604	1.467	ng		95
43) 2,4,5-Trichlorophenol	13.55	196	14852	1.601	ng	#	90
56) 2,4-Dinitrotoluene	15.37	165	10571	1.143	ng	#	92
60) 4-Chlorophenyl-phenylether	16.03	204	31413	1.958	ng		95
61) 4-Nitroaniline	16.07	138	7914	1.064	ng	#	63
76) Benzidine	19.92	184	25057	0.947	ng		98
81) 3,3'-Dichlorobenzidine	21.74	252	34900	1.770	ng		97

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