Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072318\
Data File : BM016036.D
Acq On : 23 Jul 2018 21:28
Operator : SJ/JU
Sample : J3762-03
Misc : MDL 1 PPM
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT3-2018

Quant Time: Jul 24 06:06:07 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 23 16:08:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	41604	20.00	ng		0.00
21) Naphthalene-d8	11.05	136	153568	20.00	ng		0.00
38) Acenaphthene-d10	14.86	164	79444	20.00	ng		0.00
63) Phenanthrene-d10	17.59	188	171310	20.00	ng		0.00
75) Chrysene-d12	21.70	240	183109	20.00	ng		0.00
86) Perylene-d12	24.07	264	195976	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.74	112	318043	126.98	ng		0.00
7) Phenol-d6	7.39	99	387193	118.38	ng		0.00
23) Nitrobenzene-d5	9.42	82	295124	89.38	ng		0.00
41) 2,4,6-Tribromophenol	16.34	330	131568	130.57	ng		0.00
44) 2-Fluorobiphenyl	13.48	172	592553	90.75	ng		0.00
78) Terphenyl-d14	20.16	244	1104750	126.29	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.53	88	546	0.465	ng	#	100
6) Aniline	7.57	93	1449	0.385	ng	#	77
8) 2-Chlorophenol	7.78	128	2456	0.825	ng	#	1
9) Benzaldehyde	7.42	77	2404	1.046	ng		84
10) Phenol	7.40	94	2830	0.865	ng	#	1
11) bis(2-Chloroethyl)ether	7.66	93	1415	0.548	ng	#	78
12) 1,3-Dichlorobenzene	8.13	146	2512	0.721	ng	#	70
13) 1,4-Dichlorobenzene	8.27	146	2831	0.801	ng	#	84
14) 1,2-Dichlorobenzene	8.59	146	2754	0.796	ng	#	85
15) Benzyl Alcohol	8.55	79	6438	2.472	ng	#	53
16) 2,2'-oxybis(1-Chloropropan	8.77	45	3006	0.760	ng		75
17) 2-Methylphenol	8.72	107	1343	0.601	ng	#	79
18) Hexachloroethane	9.31	117	1126	0.737	ng	#	74
19) n-Nitroso-di-n-propylamine	9.06	70	1425	0.596	ng	#	58
20) 3+4-Methylphenols	9.06	107	530	0.165	ng	#	73
22) Acetophenone	9.11	105	2533	0.655	ng	#	56
24) Nitrobenzene	9.47	77	3011	0.906	ng	#	73
25) Isophorone	9.99	82	3753	0.831	ng	#	62
27) 2,4-Dimethylphenol	10.25	122	1070	0.554	ng		95
28) bis(2-Chloroethoxy)methane	10.48	93	1680	0.572	ng	#	50
30) 1,2,4-Trichlorobenzene	10.93	180	2061	0.739	ng		94
31) Naphthalene	11.11	128	7862	1.012	ng		97
33) 4-Chloroaniline	11.29	127	156	0.049	ng	#	51
34) Hexachlorobutadiene	11.36	225	1455	0.752	ng	#	86
36) 4-Chloro-3-methylphenol	12.39	107	778	0.308	ng	#	14
37) 2-Methylnaphthalene	12.71	142	4761	0.914	ng	#	73
39) 1,2,4,5-Tetrachlorobenzene	13.07	216	2258	0.835	ng	#	100
42) 2,4,6-Trichlorophenol	13.33	196	805	0.476	ng	#	53
43) 2,4,5-Trichlorophenol	13.33	196	805	0.461	ng	#	51
45) 1,1'-Biphenyl	13.70	154	7116	0.993	ng		97
46) 2-Chloronaphthalene	13.75	162	5010	0.898	ng	#	84
47) 2-Nitroaniline	14.01	65	117	0.063	ng	#	64
48) Acenaphthylene	14.59	152	6368	0.780	ng		96
49) Dimethylphthalate	14.31	163	5939	0.854	ng	#	97

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072318\
Data File : BM016036.D
Acq On : 23 Jul 2018 21:28
Operator : SJ/JU
Sample : J3762-03
Misc : MDL 1 PPM
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT3-2018

Quant Time: Jul 24 06:06:07 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 23 16:08:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 2,6-Dinitrotoluene	14.46	165	633	0.453	ng	#	54
51) Acenaphthene	14.92	154	4557	0.908	ng	#	89
54) Dibenzofuran	15.26	168	7142	0.863	ng	#	77
56) 2,4-Dinitrotoluene	15.27	165	466	0.233	ng	#	43
57) Fluorene	15.90	166	5491	0.893	ng	#	92
58) 2,3,4,6-Tetrachlorophenol	15.49	232	823	0.549	ng	#	100
59) Diethylphthalate	15.65	149	5970	0.797	ng	#	92
60) 4-Chlorophenyl-phenylether	15.89	204	2871	0.839	ng	#	81
62) Azobenzene	16.17	77	5090	0.645	ng		83
65) n-Nitrosodiphenylamine	16.10	169	4308	0.764	ng	#	94
66) 4-Bromophenyl-phenylether	16.78	248	1426	0.735	ng	#	77
67) Hexachlorobenzene	16.89	284	1480	0.693	ng	#	37
68) Atrazine	17.04	200	1310	0.648	ng	#	78
70) Phenanthrene	17.63	178	9308	0.970	ng		95
71) Anthracene	17.73	178	7821	0.839	ng	#	94
72) Carbazole	18.00	167	6902	0.715	ng	#	91
73) Di-n-butylphthalate	18.51	149	8193	0.681	ng	#	96
74) Fluoranthene	19.62	202	9542	0.892	ng		94
76) Benzidine	19.82	184	566	0.111	ng	#	68
77) Pyrene	19.98	202	9349	0.852	ng		95
79) Butylbenzylphthalate	20.83	149	4473	0.802	ng		94
80) Benzo(a)anthracene	21.69	228	11633	1.031	ng		96
81) 3,3'-Dichlorobenzidine	21.62	252	3185	0.701	ng	#	91
82) Chrysene	21.74	228	10209	0.944	ng		98
83) Bis(2-ethylhexyl)phthalate	21.57	149	5776	0.715	ng	#	88
84) Di-n-octyl phthalate	22.48	149	10704	0.788	ng	#	80
85) Indeno(1,2,3-cd)pyrene	26.51	276	12714	0.990	ng	#	90
87) Benzo(b)fluoranthene	23.36	252	11513	0.998	ng		95
88) Benzo(k)fluoranthene	23.36	252	11513	0.985	ng		93
89) Benzo(a)pyrene	23.98	252	11603	1.046	ng		96
90) Dibenzo(a,h)anthracene	26.52	278	10616	0.924	ng	#	95
91) Benzo(g,h,i)perylene	27.27	276	10811	0.995	ng	#	92

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072318\
Data File : BM016036.D
Acq On : 23 Jul 2018 21:28
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Sample : J3762-03
Misc : MDL 1 PPM
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Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 23 16:08:38 2018
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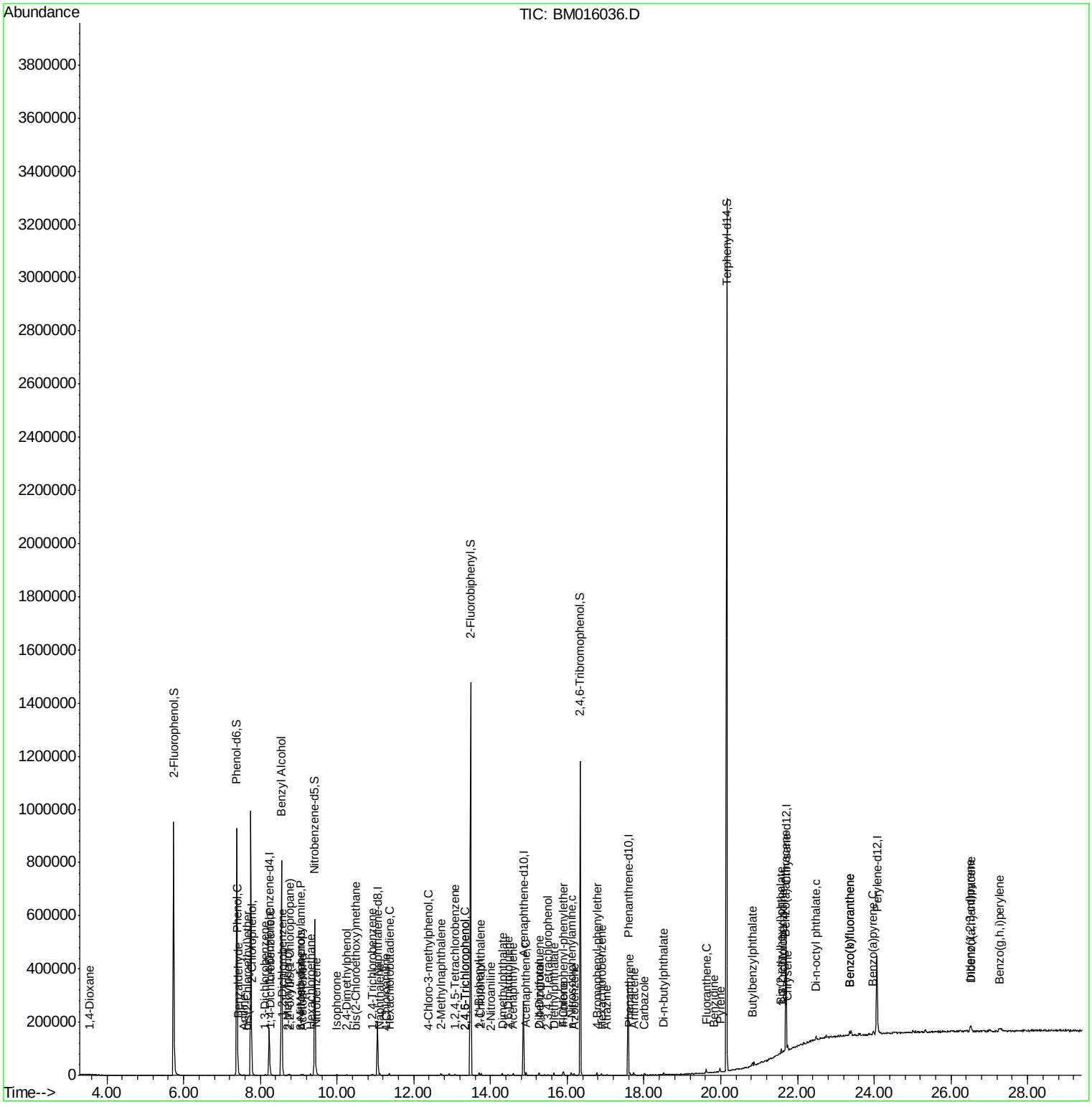
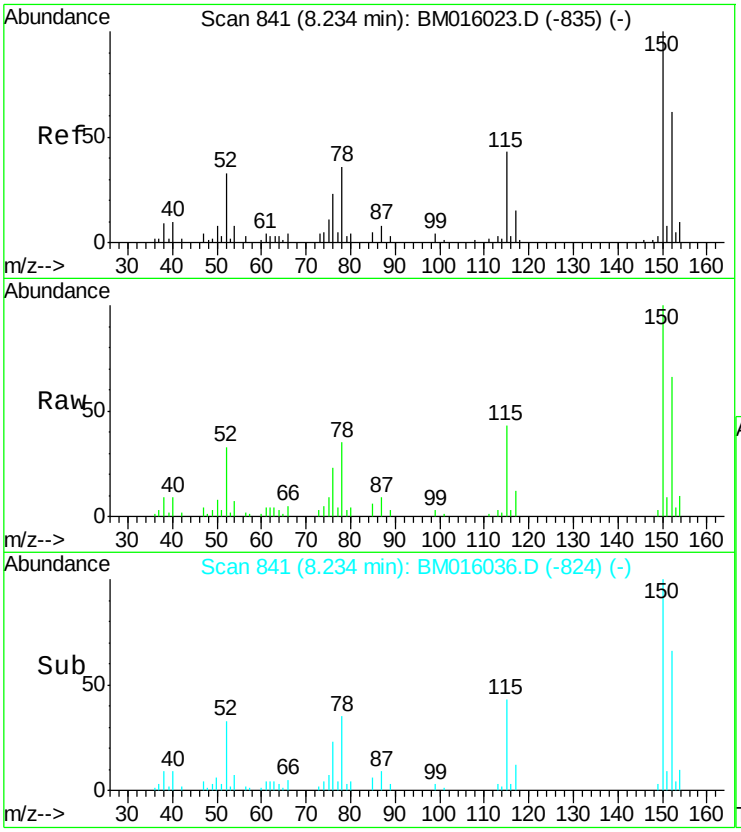


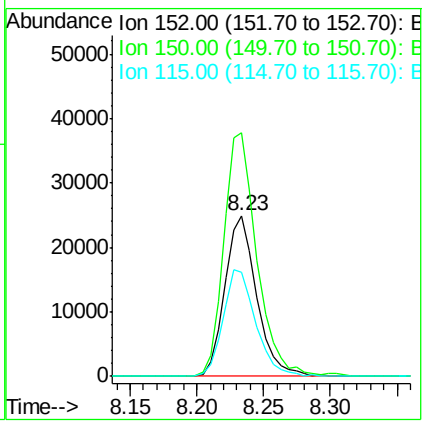


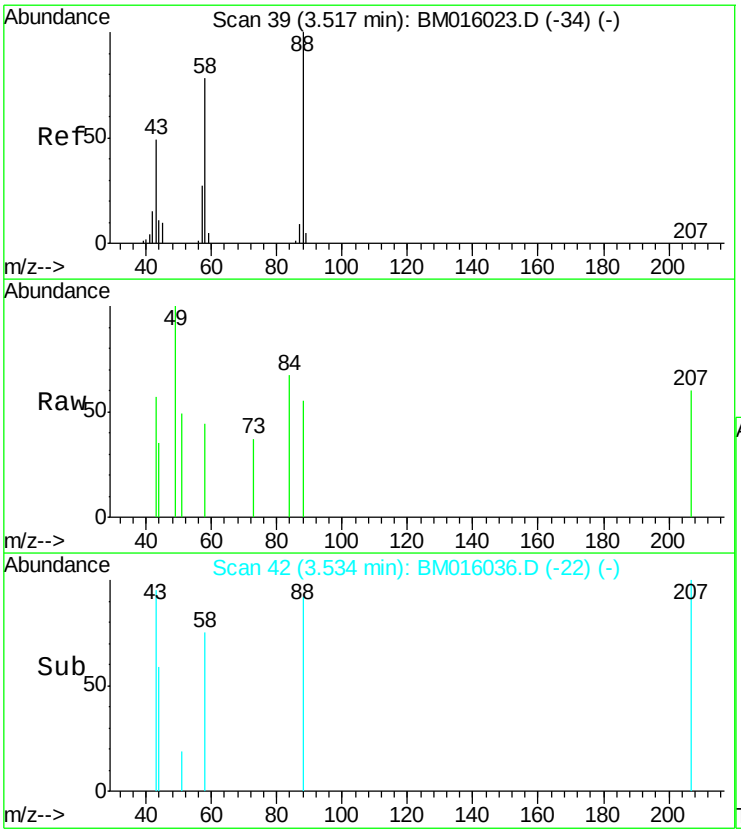
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.23 min Scan# 841
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:152 Resp: 41604

Ion	Ratio	Lower	Upper
152	100		
150	151.6	119.5	179.3
115	64.9	43.0	64.4#

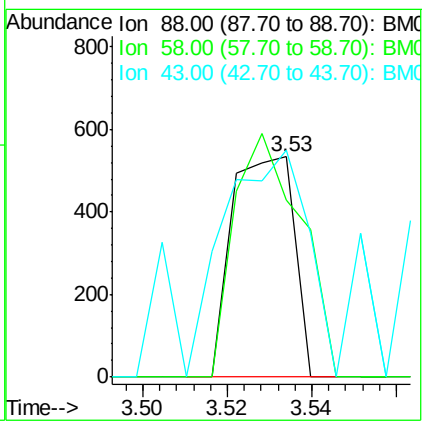


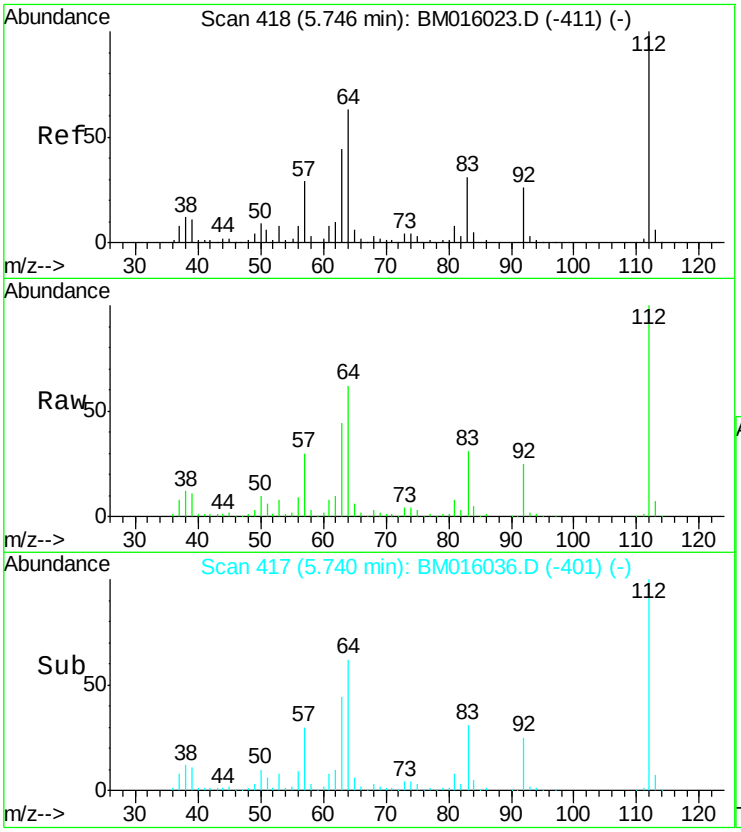


#2
1,4-Dioxane
Concen: 0.465 ng
RT: 3.53 min Scan# 42
Delta R.T. 0.02 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion: 88 Resp: 546

Ion	Ratio	Lower	Upper
88	100		
58	118.1	0.0	0.0#
43	160.4	0.0	0.0#



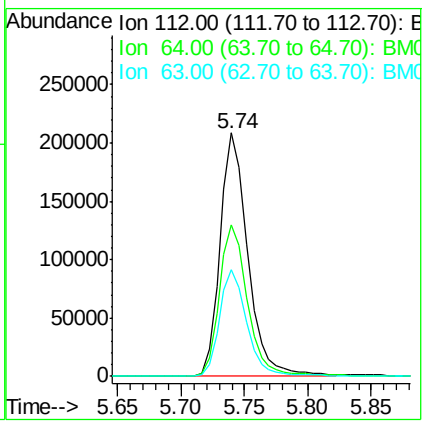


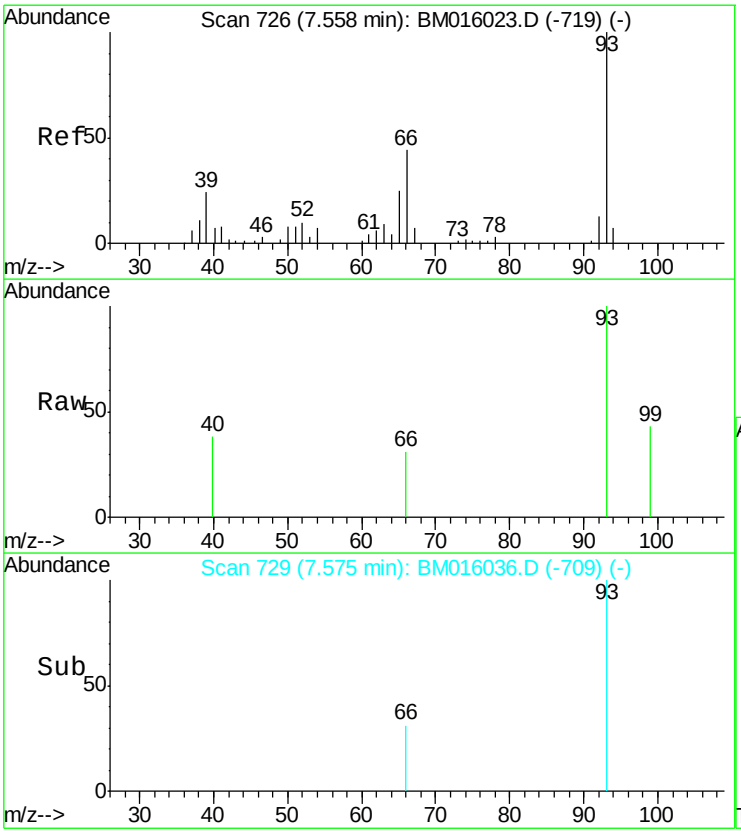
#5
2-Fluorophenol
Concen: N.D. ng
RT: 5.74 min Scan# 417
Delta R.T. -0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:112 Resp: 318043

Ion	Ratio	Lower	Upper
112	100		
64	62.4	38.6	57.8#
63	43.7	19.3	28.9#

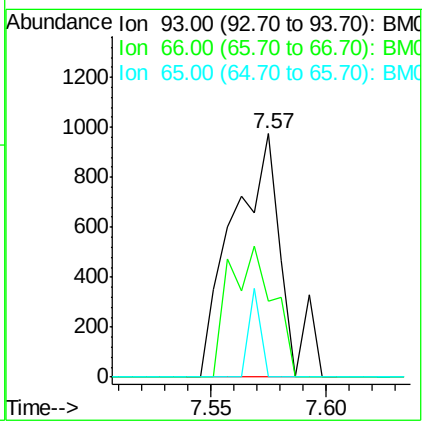


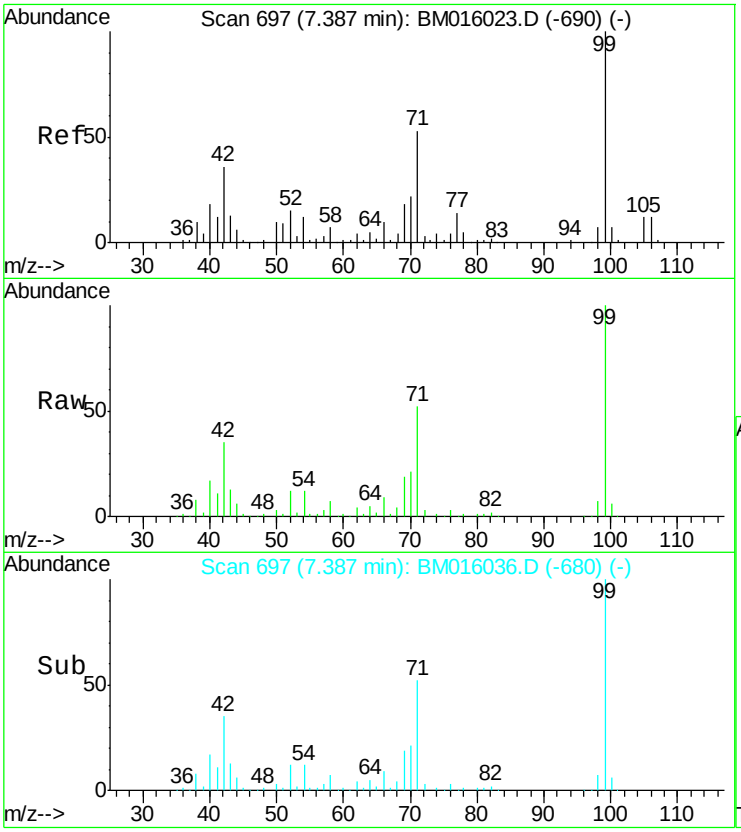


#6
Aniline
Concen: 0.385 ng
RT: 7.57 min Scan# 729
Delta R.T. 0.02 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion: 93 Resp: 1449

Ion	Ratio	Lower	Upper
93	100		
66	31.2	30.8	46.2
65	0.0	16.0	24.0#



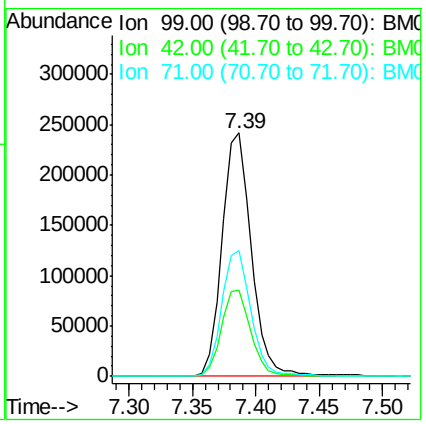


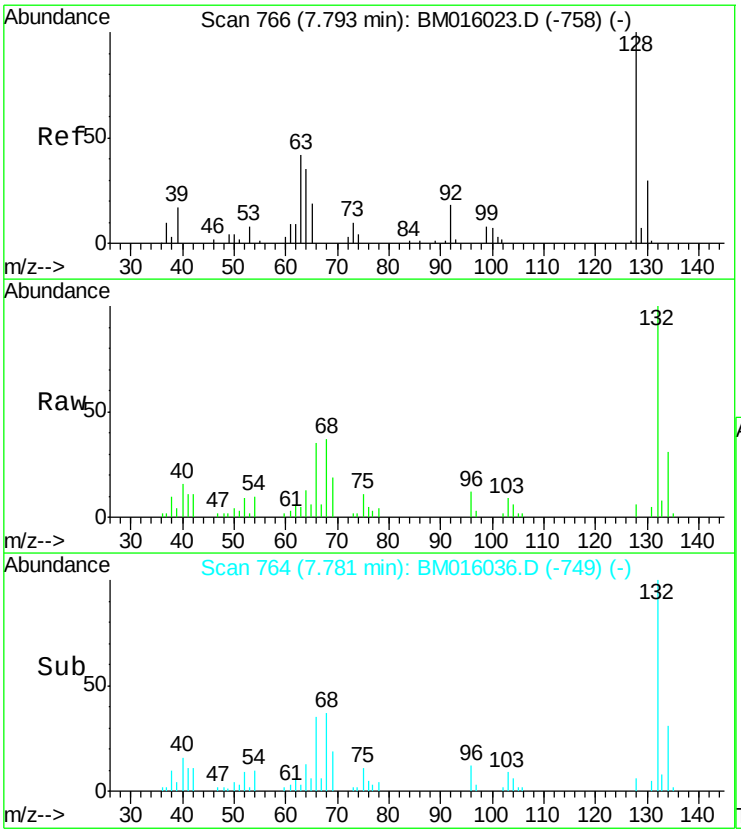
#7
Phenol-d6
Concen: 0.385 ng
RT: 7.39 min Scan# 697
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion: 99 Resp: 387193

Ion	Ratio	Lower	Upper
99	100		
42	35.2	11.0	16.4#
71	51.7	23.4	35.2#

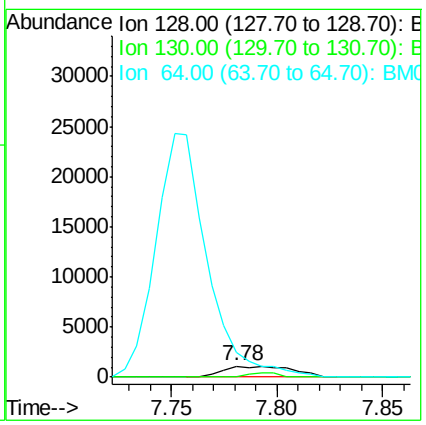


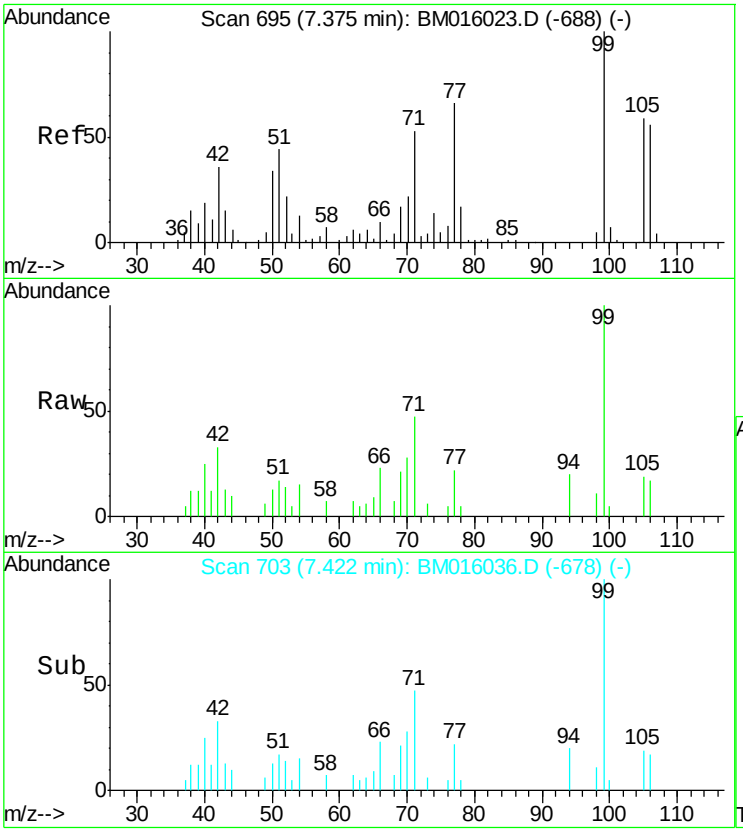


#8
2-Chlorophenol
Concen: 0.825 ng
RT: 7.78 min Scan# 764
Delta R.T. -0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:128 Resp: 2456

Ion	Ratio	Lower	Upper
128	100		
130	0.0	12.0	52.0#
64	224.6	24.9	64.9#



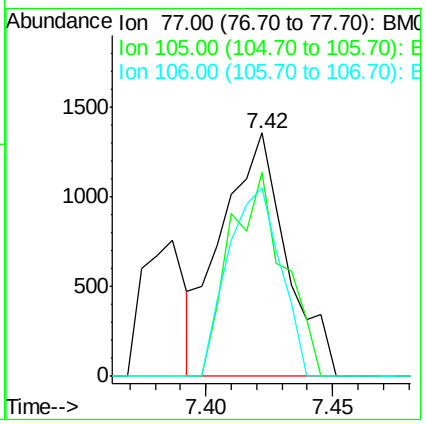


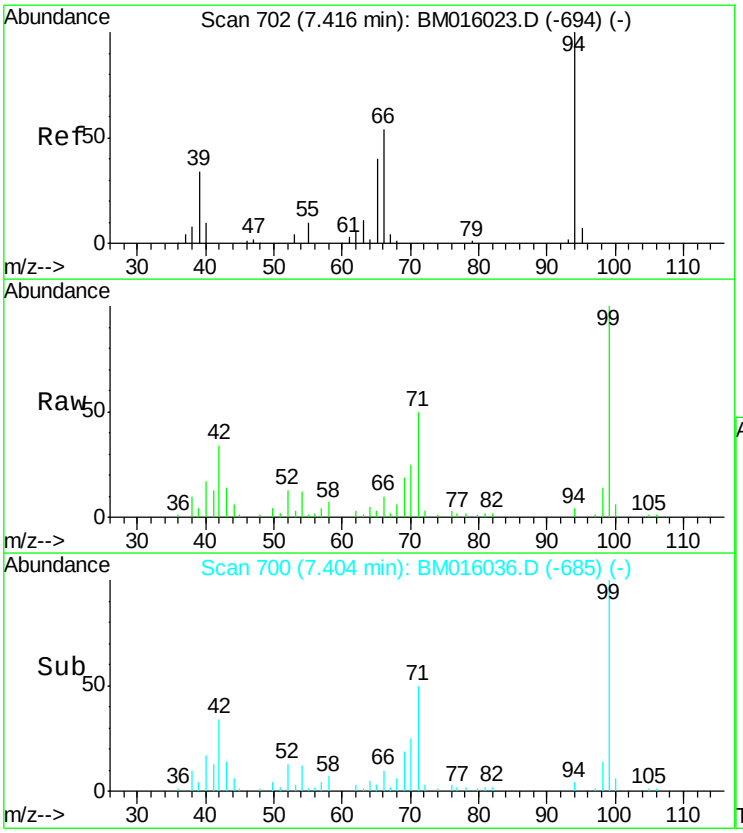
#9
Benzaldehyde
Concen: 1.046 ng
RT: 7.42 min Scan# 703
Delta R.T. 0.05 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion: 77 Resp: 2404

Ion	Ratio	Lower	Upper
77	100		
105	83.8	78.8	118.8
106	77.3	73.7	113.7

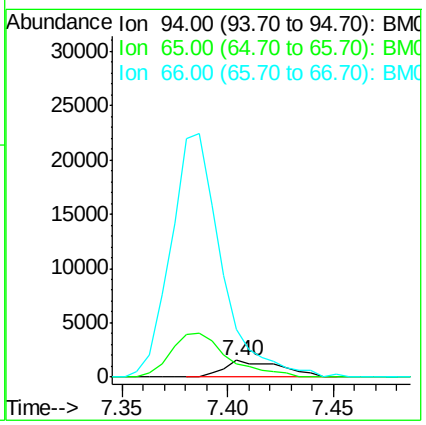


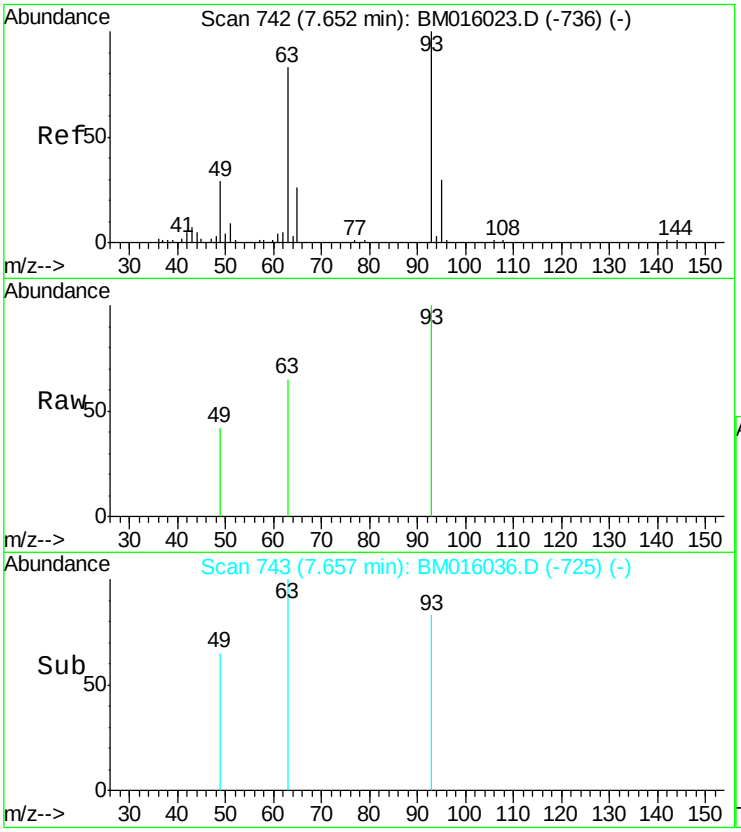


#10
Phenol
Concen: 0.865 ng
RT: 7.40 min Scan# 700
Delta R.T. -0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion: 94 Resp: 2830

Ion	Ratio	Lower	Upper
94	100		
65	80.9	18.8	58.8#
66	283.7	39.9	79.9#



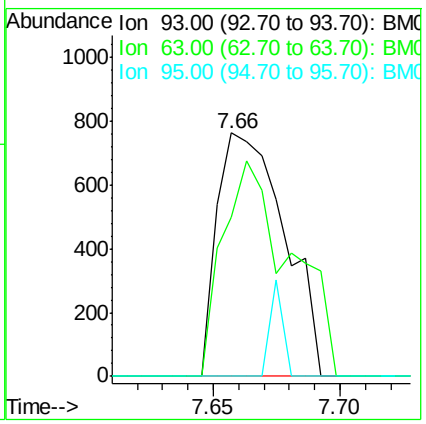


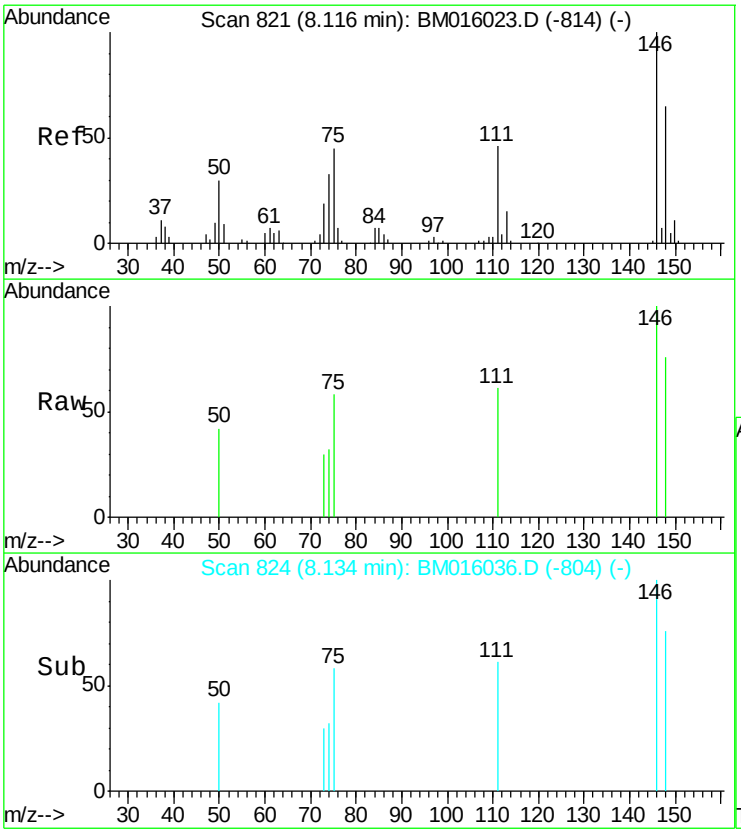
#11
bis(2-Chloroethyl)ether
Concen: 0.548 ng
RT: 7.66 min Scan# 743
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion: 93 Resp: 1415

Ion	Ratio	Lower	Upper
93	100		
63	65.4	49.5	89.5
95	0.0	13.5	53.5#

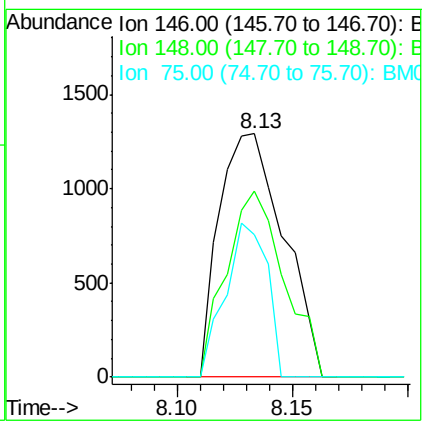


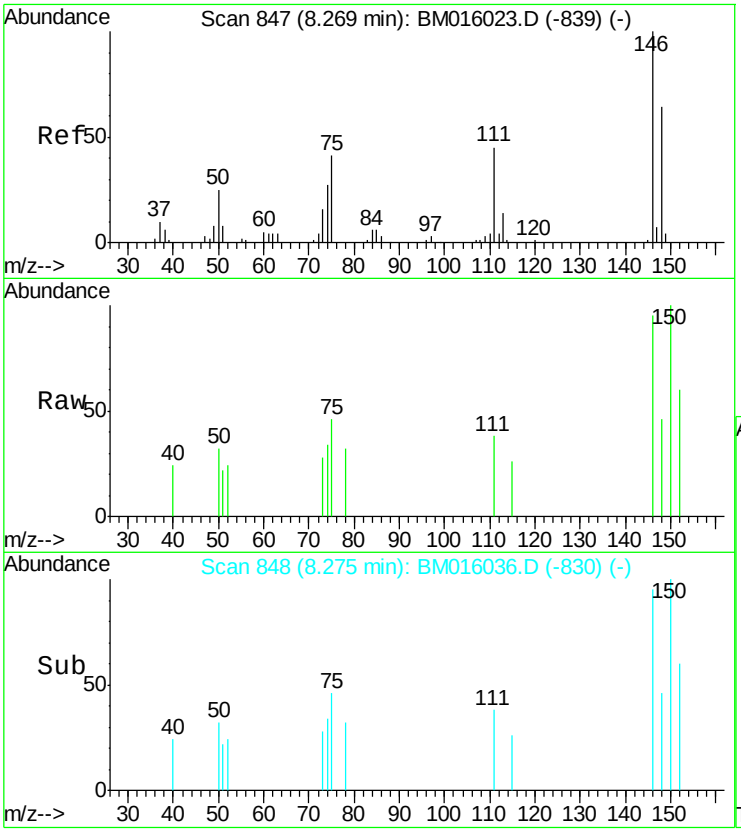


#12
1,3-Dichlorobenzene
Concen: 0.721 ng
RT: 8.13 min Scan# 824
Delta R.T. 0.02 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:146 Resp: 2512

Ion	Ratio	Lower	Upper
146	100		
148	76.2	50.9	76.3
75	58.4	21.4	32.2#



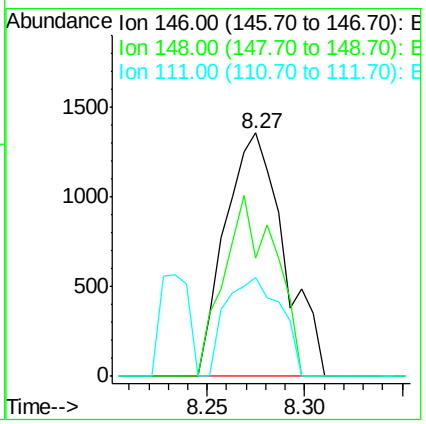


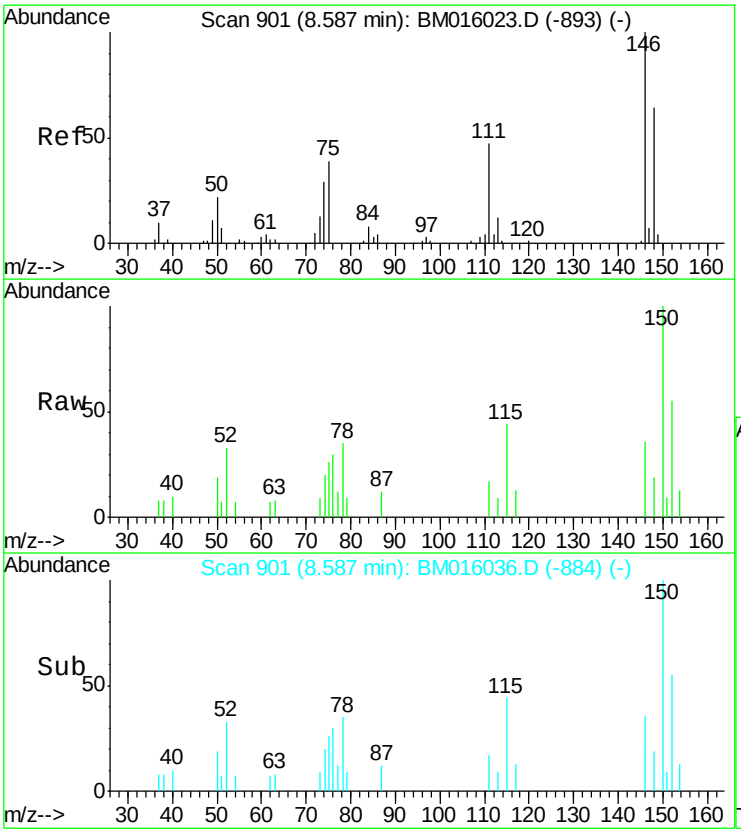
#13
1,4-Dichlorobenzene
Concen: 0.801 ng
RT: 8.27 min Scan# 848
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:146 Resp: 2831

Ion	Ratio	Lower	Upper
146	100		
148	48.6	51.9	77.9#
111	40.4	29.2	43.8

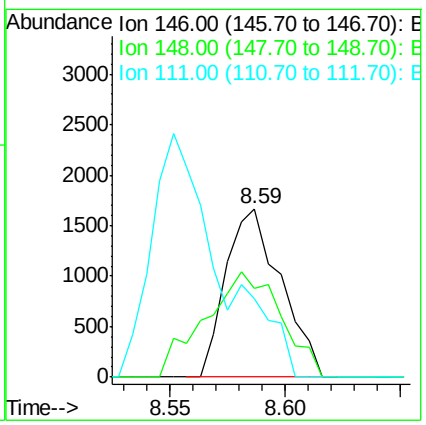


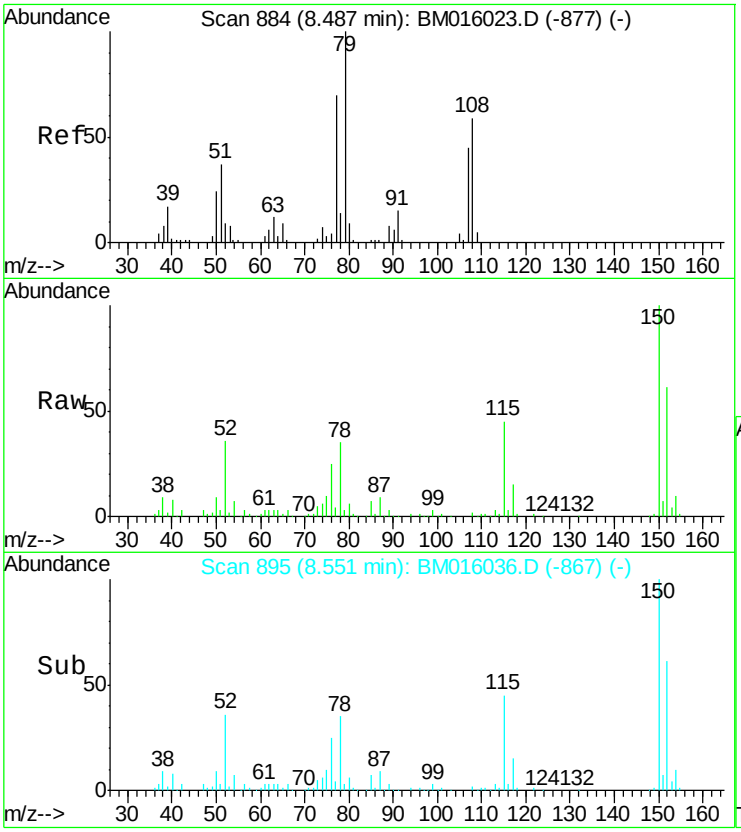


#14
1,2-Dichlorobenzene
Concen: 0.796 ng
RT: 8.59 min Scan# 901
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:146 Resp: 2754

Ion	Ratio	Lower	Upper
146	100		
148	52.4	52.3	78.5
111	46.5	30.6	45.8#



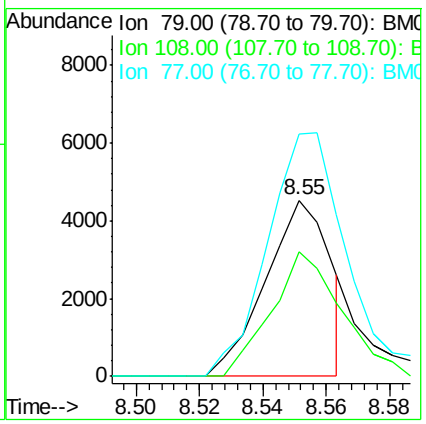


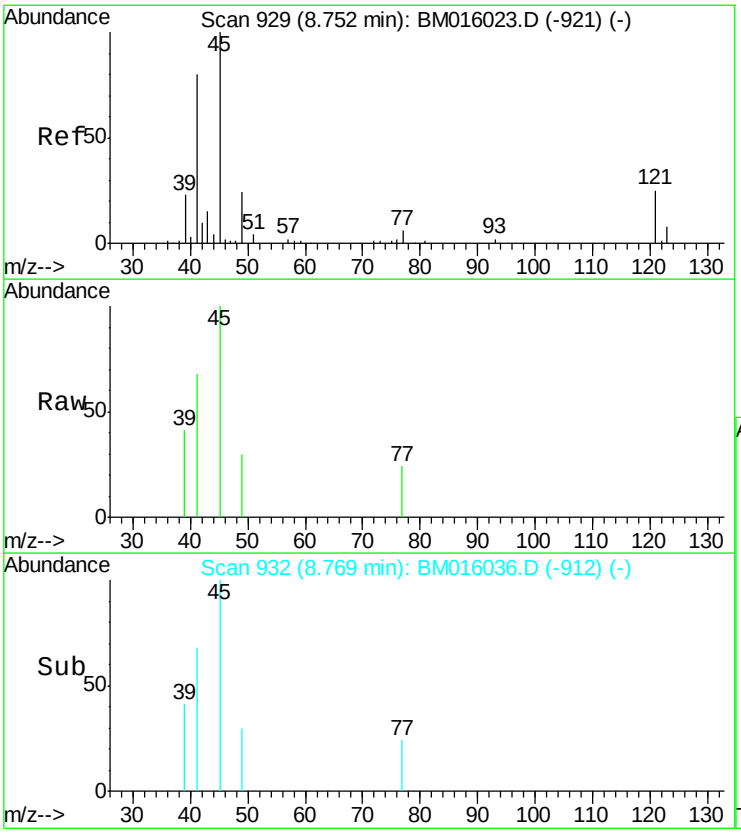
#15
Benzyl Alcohol
Concen: 2.472 ng
RT: 8.55 min Scan# 895
Delta R.T. 0.06 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion: 79 Resp: 6438

Ion	Ratio	Lower	Upper
79	100		
108	70.7	65.0	97.4
77	137.2	53.0	79.6#

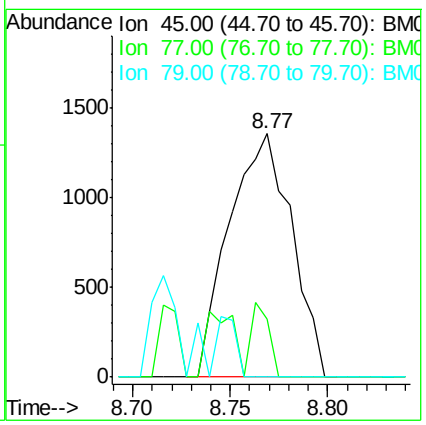


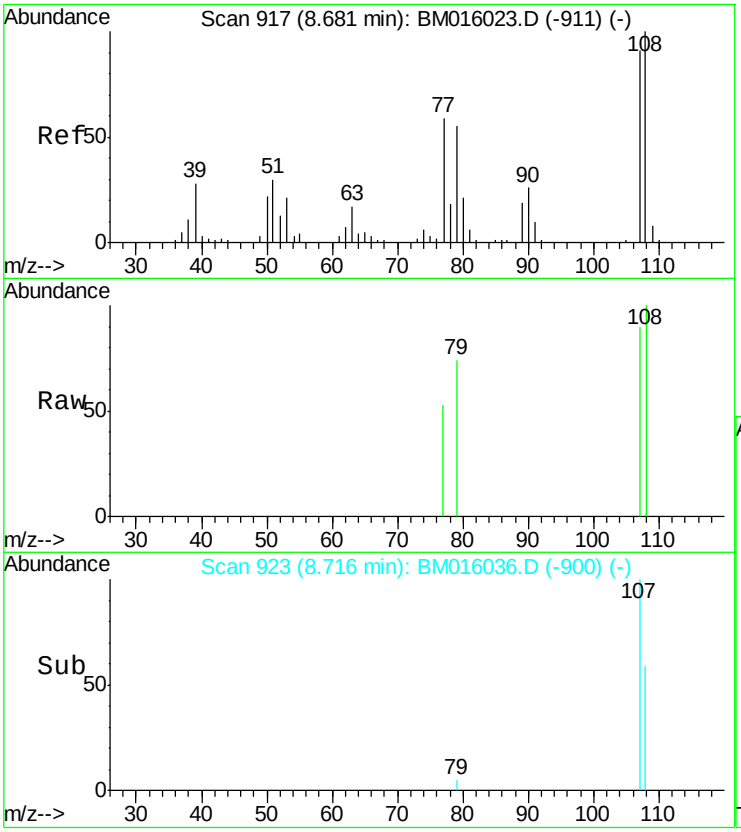


#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.760 ng
RT: 8.77 min Scan# 932
Delta R.T. 0.02 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion: 45 Resp: 3006

Ion	Ratio	Lower	Upper
45	100		
77	23.7	0.0	35.2
79	0.0	0.0	32.0



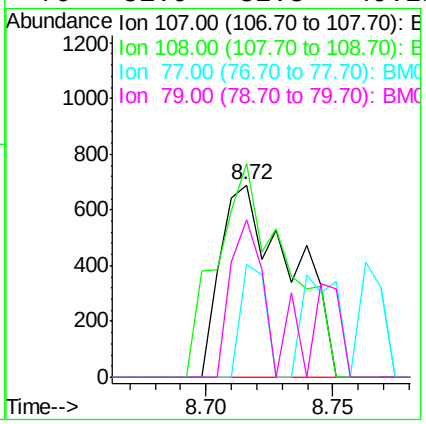


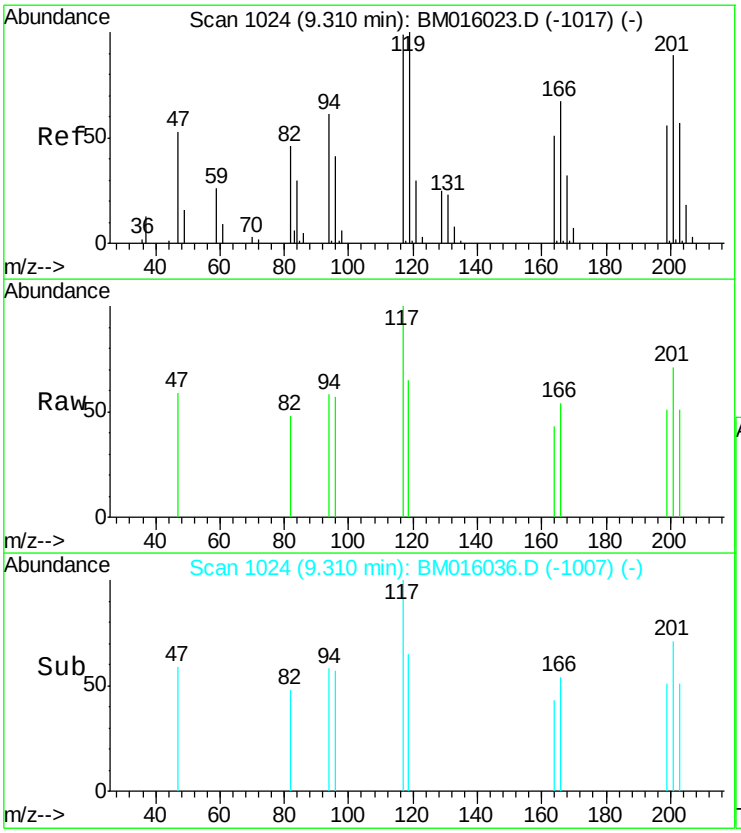
#17
2-Methylphenol
Concen: 0.601 ng
RT: 8.72 min Scan# 923
Delta R.T. 0.03 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:107 Resp: 1343

Ion	Ratio	Lower	Upper
107	100		
108	111.2	89.8	134.8
77	58.8	32.6	48.8#
79	81.9	32.8	49.2#

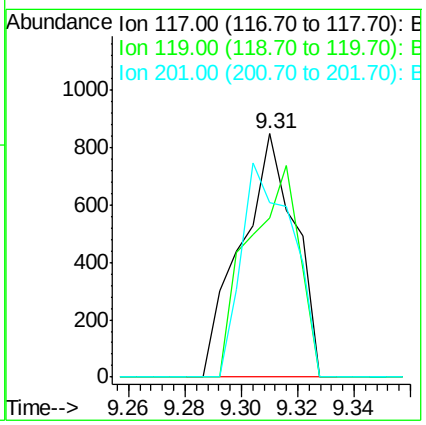


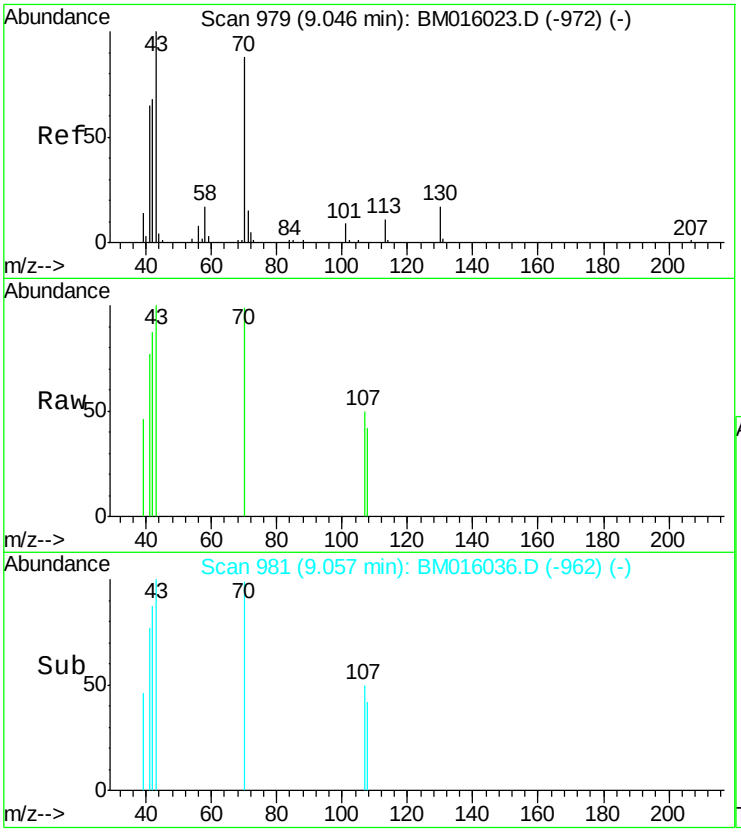


#18
Hexachloroethane
Concen: 0.737 ng
RT: 9.31 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:117 Resp: 1126

Ion	Ratio	Lower	Upper
117	100		
119	65.4	79.2	118.8#
201	71.5	69.8	104.6



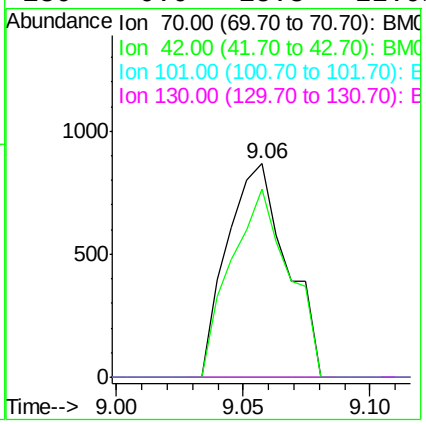


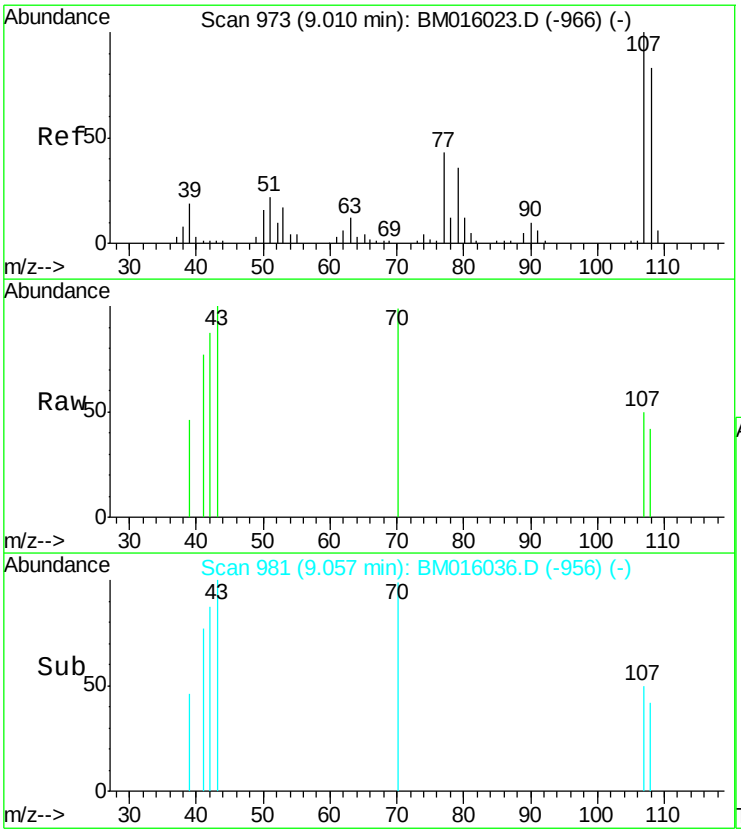
#19
n-Nitroso-di-n-propylamine
Concen: 0.596 ng
RT: 9.06 min Scan# 981
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion: 70 Resp: 1425

Ion	Ratio	Lower	Upper
70	100		
42	88.4	44.5	66.7#
101	0.0	7.4	11.2#
130	0.0	15.3	22.9#

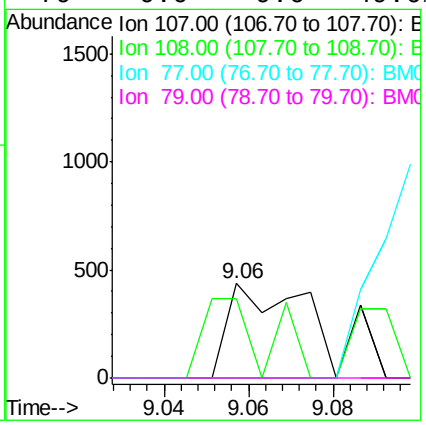


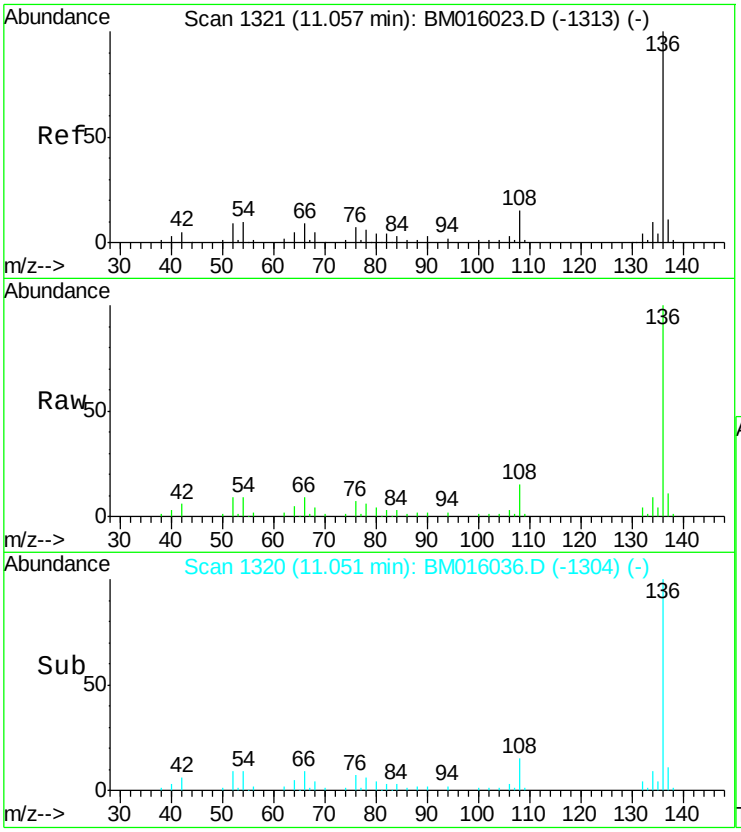


#20
3+4-Methylphenols
Concen: 0.165 ng
RT: 9.06 min Scan# 981
Delta R.T. 0.05 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:107 Resp: 530

Ion	Ratio	Lower	Upper
107	100		
108	84.5	73.2	113.2
77	0.0	10.7	50.7#
79	0.0	9.6	49.6#



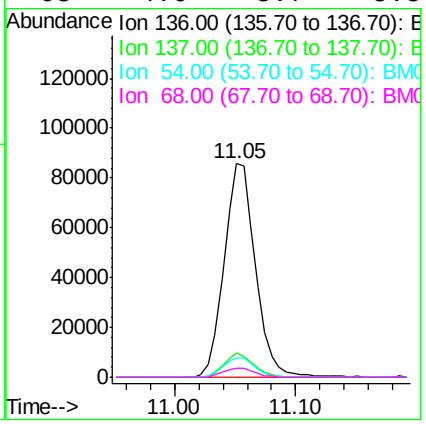


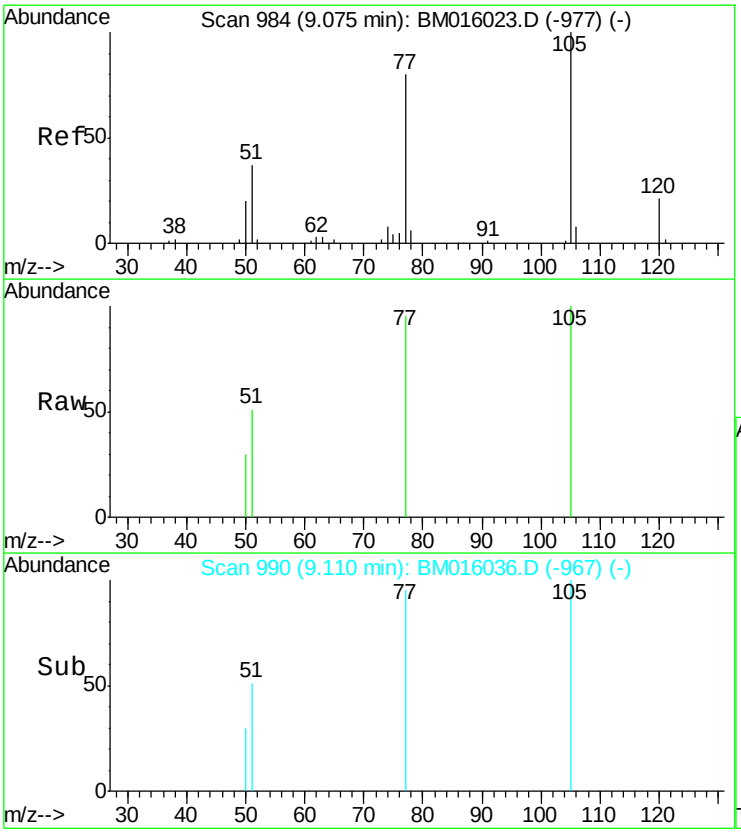
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.05 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:136 Resp: 153568

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	9.2	4.6	6.8#
68	4.0	3.7	5.5

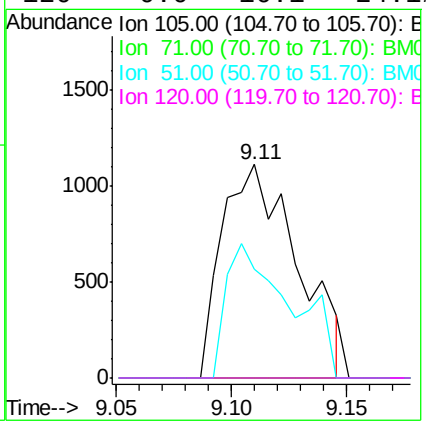


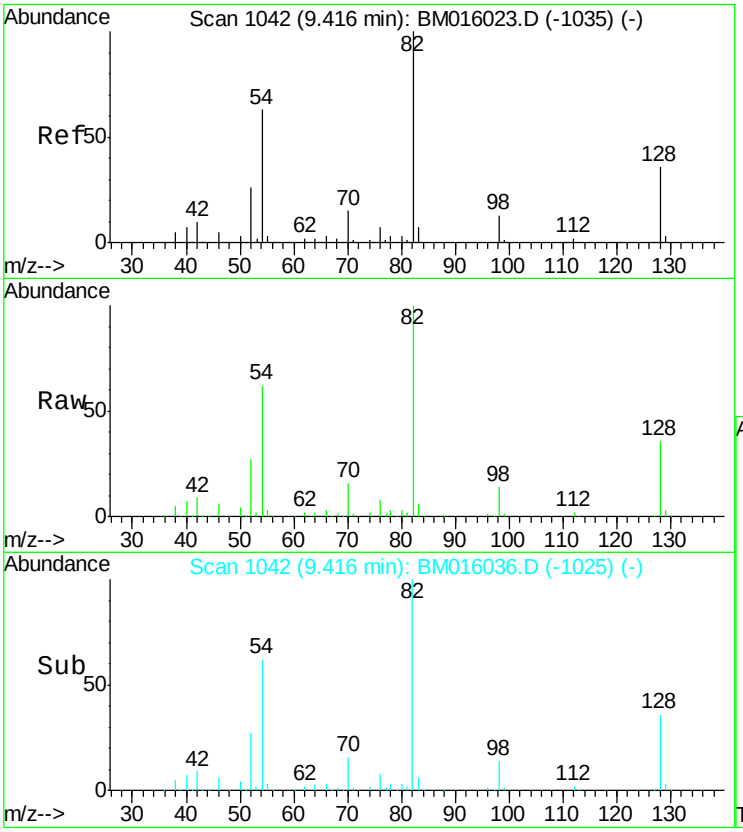


#22
Acetophenone
Concen: 0.655 ng
RT: 9.11 min Scan# 990
Delta R.T. 0.03 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:105 Resp: 2533

Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	1.0#
51	50.9	21.6	32.4#
120	0.0	16.1	24.1#



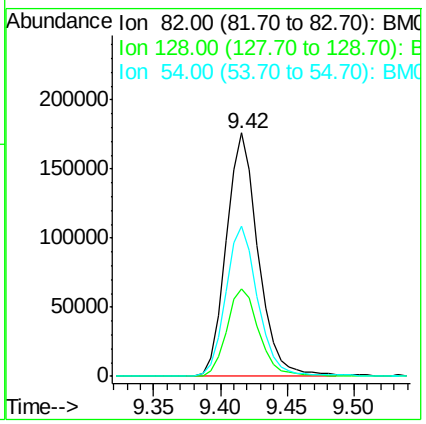


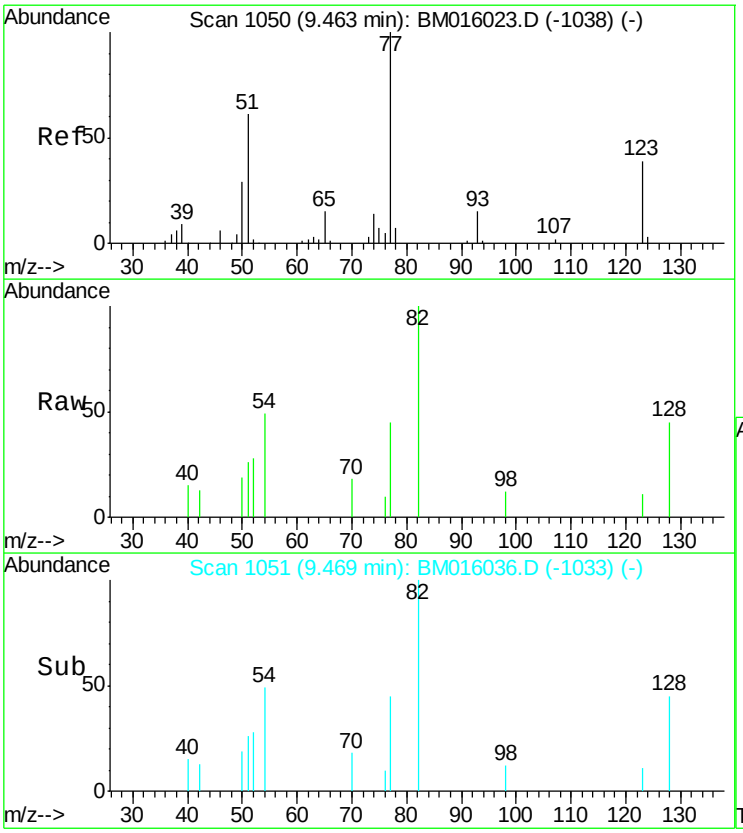
#23
Nitrobenzene-d5
Concen: 0.655 ng
RT: 9.42 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion: 82 Resp: 295124

Ion	Ratio	Lower	Upper
82	100		
128	35.8	32.8	49.2
54	61.6	40.6	60.8#

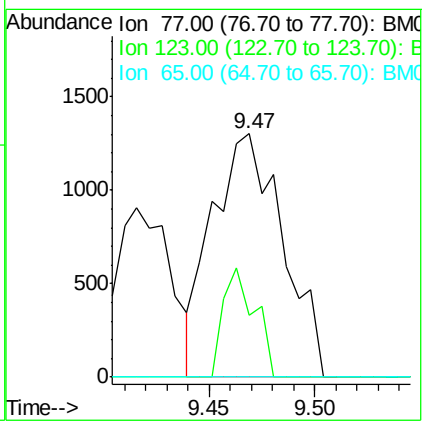


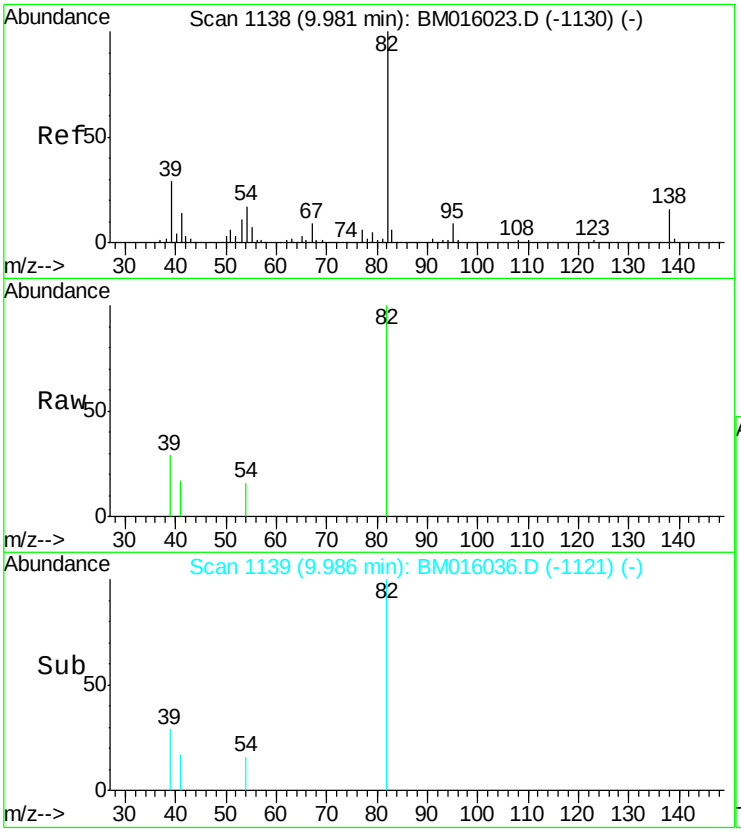


#24
Nitrobenzene
Concen: 0.906 ng
RT: 9.47 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion: 77 Resp: 3011

Ion	Ratio	Lower	Upper
77	100		
123	25.5	32.6	49.0#
65	0.0	10.9	16.3#



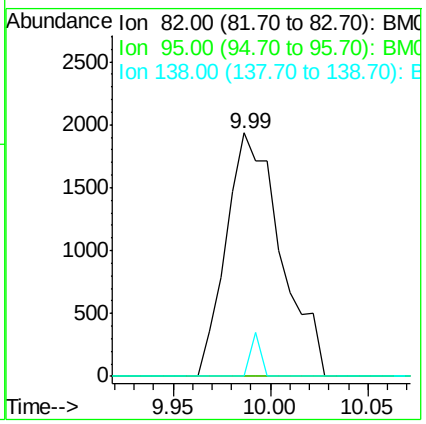


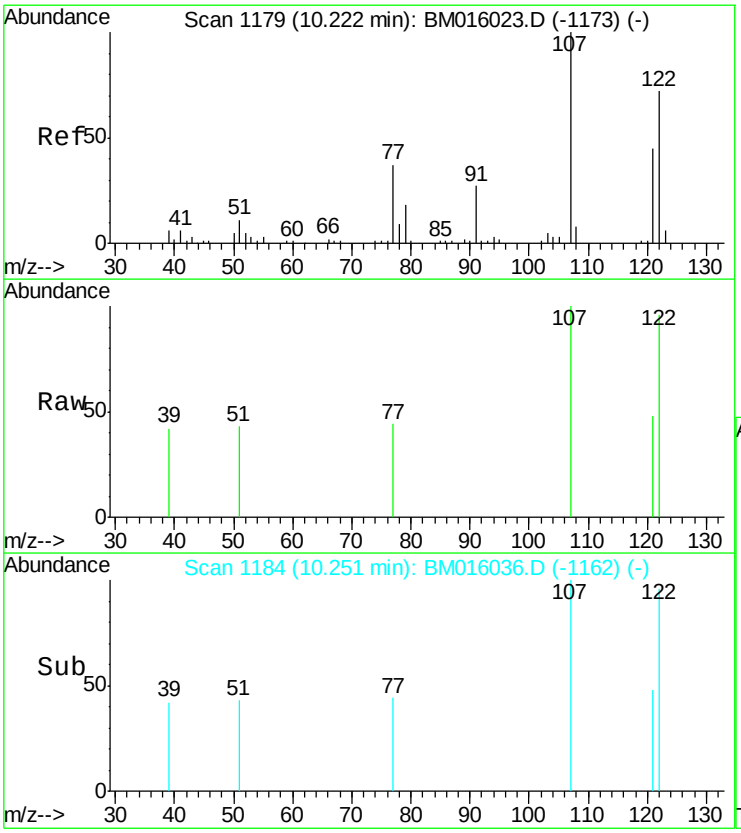
#25
Isophorone
Concen: 0.831 ng
RT: 9.99 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion: 82 Resp: 3753

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	16.3	24.5#

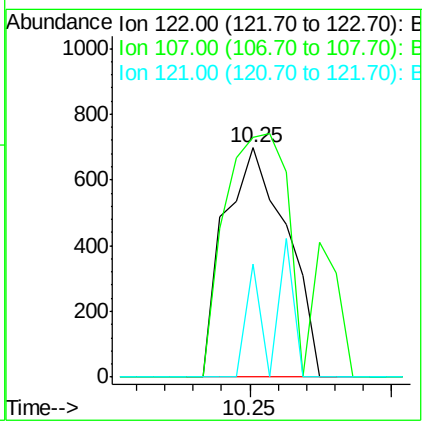


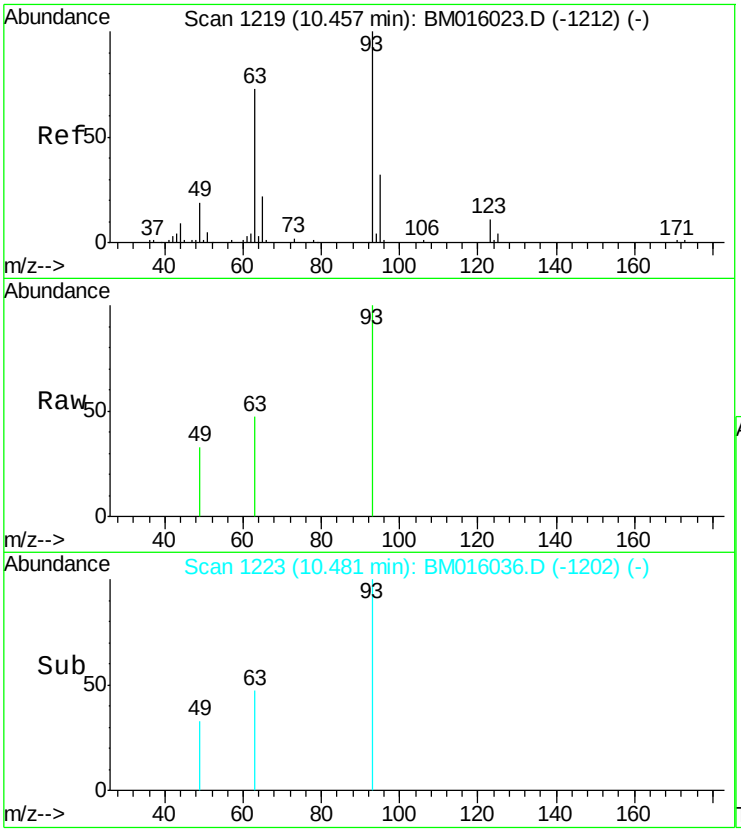


#27
2,4-Dimethylphenol
Concen: 0.554 ng
RT: 10.25 min Scan# 1184
Delta R.T. 0.03 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:122 Resp: 1070

Ion	Ratio	Lower	Upper
122	100		
107	104.3	84.7	127.1
121	49.6	46.6	69.8



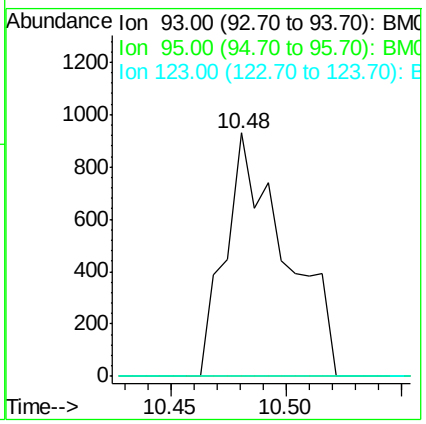


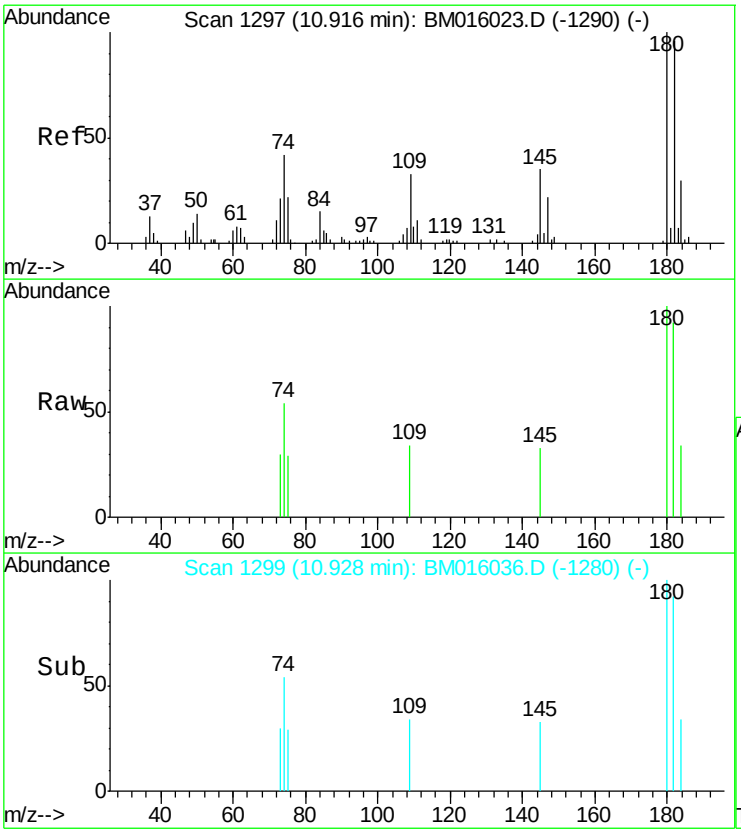
#28
bis(2-Chloroethoxy)methane
Concen: 0.572 ng
RT: 10.48 min Scan# 1223
Delta R.T. 0.02 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion: 93 Resp: 1680

Ion	Ratio	Lower	Upper
93	100		
95	0.0	25.5	38.3#
123	0.0	8.6	13.0#

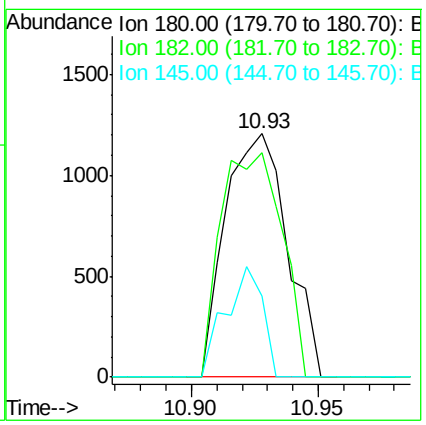


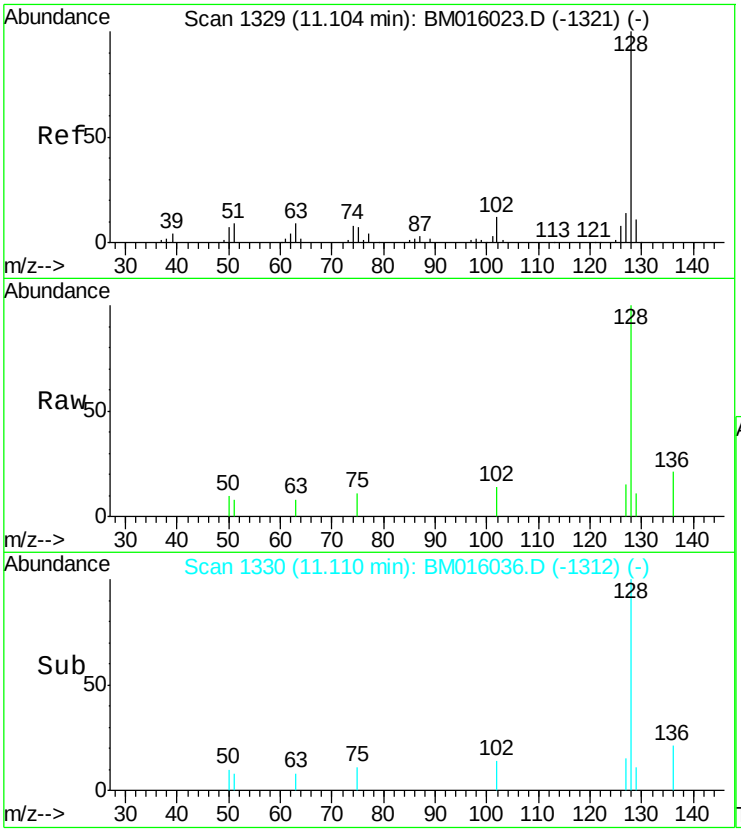


#30
1,2,4-Trichlorobenzene
Concen: 0.739 ng
RT: 10.93 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:180 Resp: 2061

Ion	Ratio	Lower	Upper
180	100		
182	92.1	77.6	116.4
145	33.4	23.4	35.2



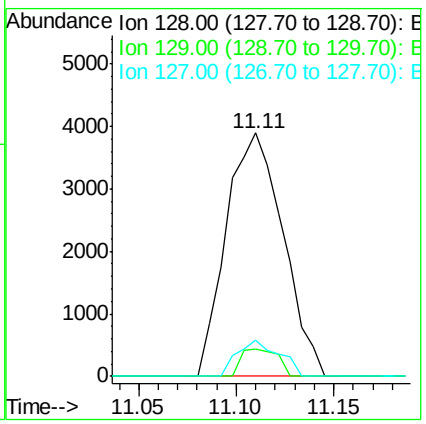


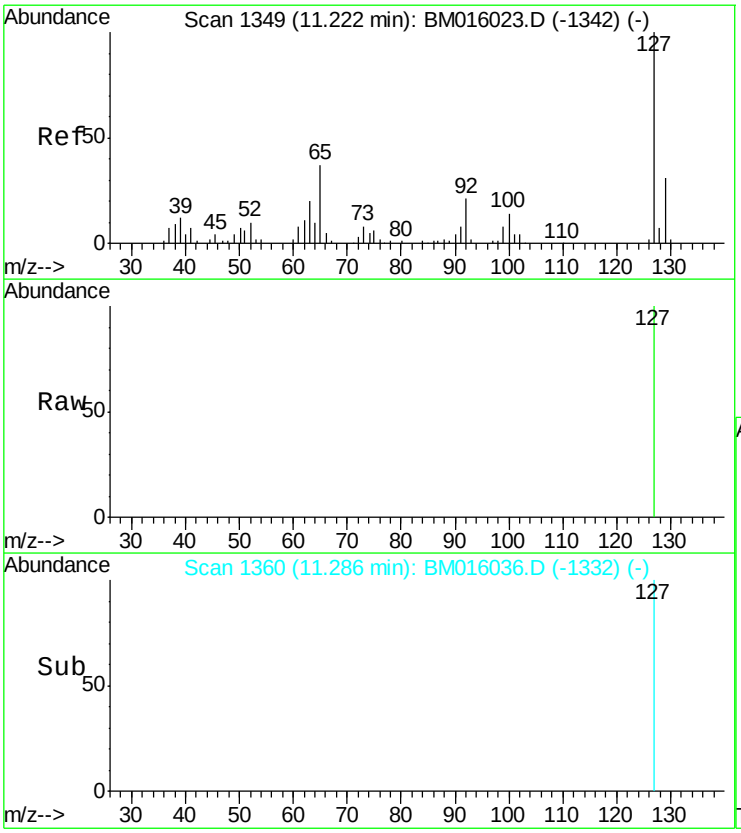
#31
Naphthalene
Concen: 1.012 ng
RT: 11.11 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:128 Resp: 7862

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	15.1	10.4	15.6

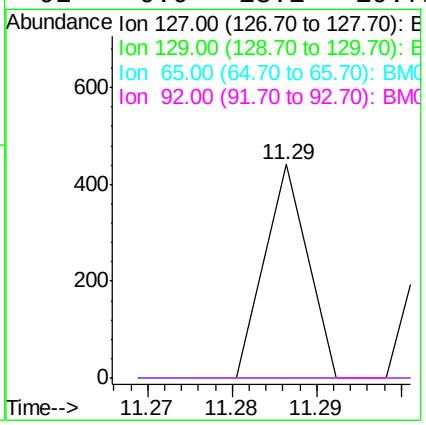


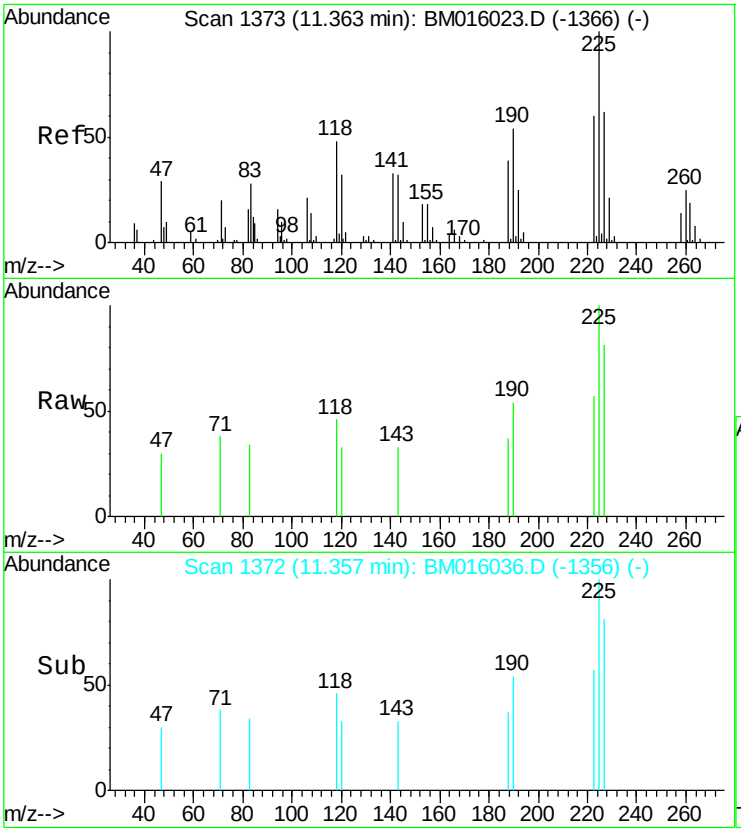


#33
4-Chloroaniline
Concen: 0.049 ng
RT: 11.29 min Scan# 1360
Delta R.T. 0.06 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:127 Resp: 156

Ion	Ratio	Lower	Upper
127	100		
129	0.0	25.3	37.9#
65	0.0	17.6	26.4#
92	0.0	13.1	19.7#



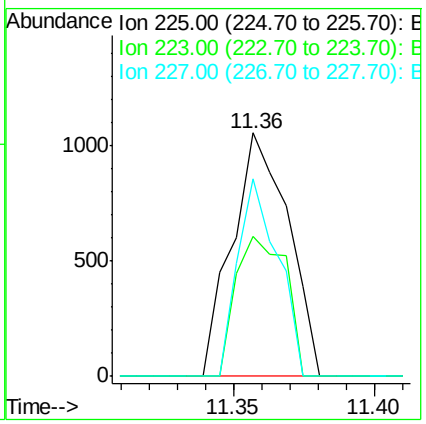


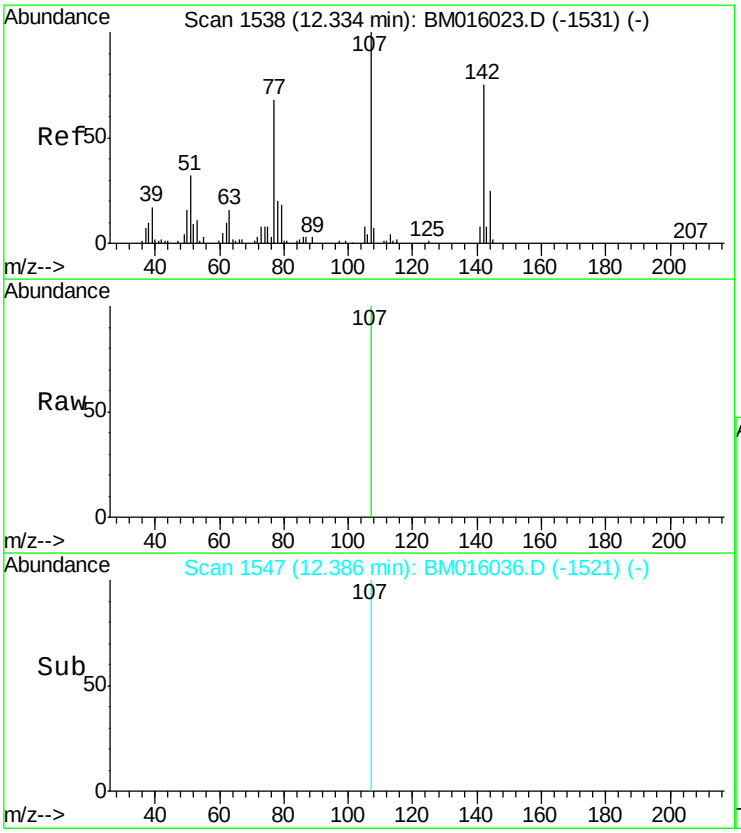
#34
Hexachlorobutadiene
Concen: 0.752 ng
RT: 11.36 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:225 Resp: 1455

Ion	Ratio	Lower	Upper
225	100		
223	57.3	47.9	71.9
227	81.1	50.1	75.1#

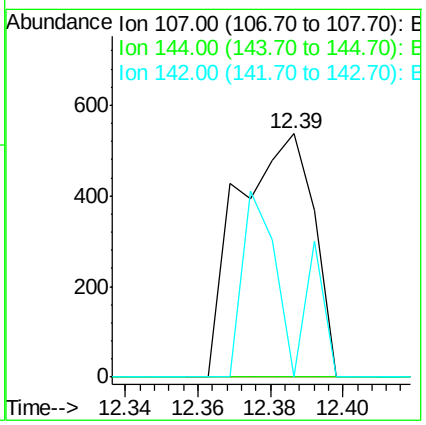


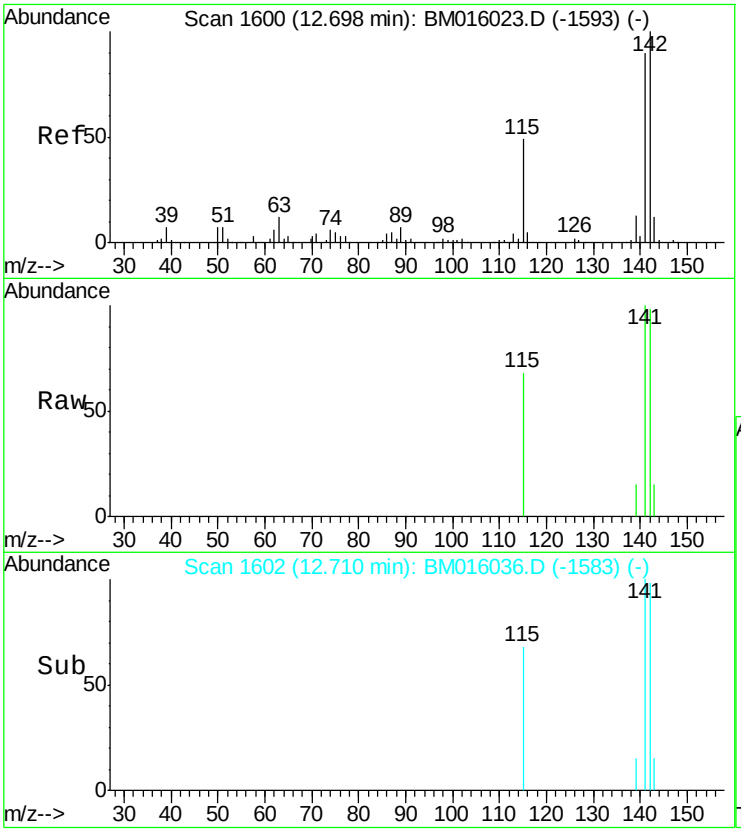


#36
4-Chloro-3-methylphenol
Concen: 0.308 ng
RT: 12.39 min Scan# 1547
Delta R.T. 0.05 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:107 Resp: 778

Ion	Ratio	Lower	Upper
107	100		
144	0.0	23.3	34.9#
142	0.0	72.6	109.0#



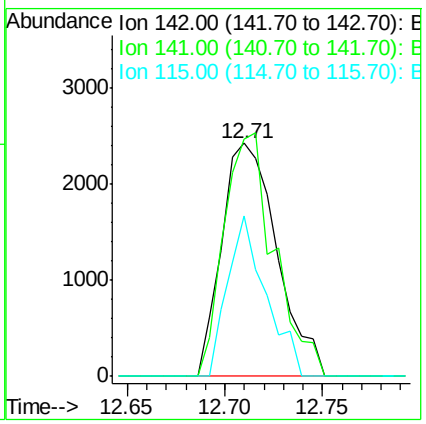


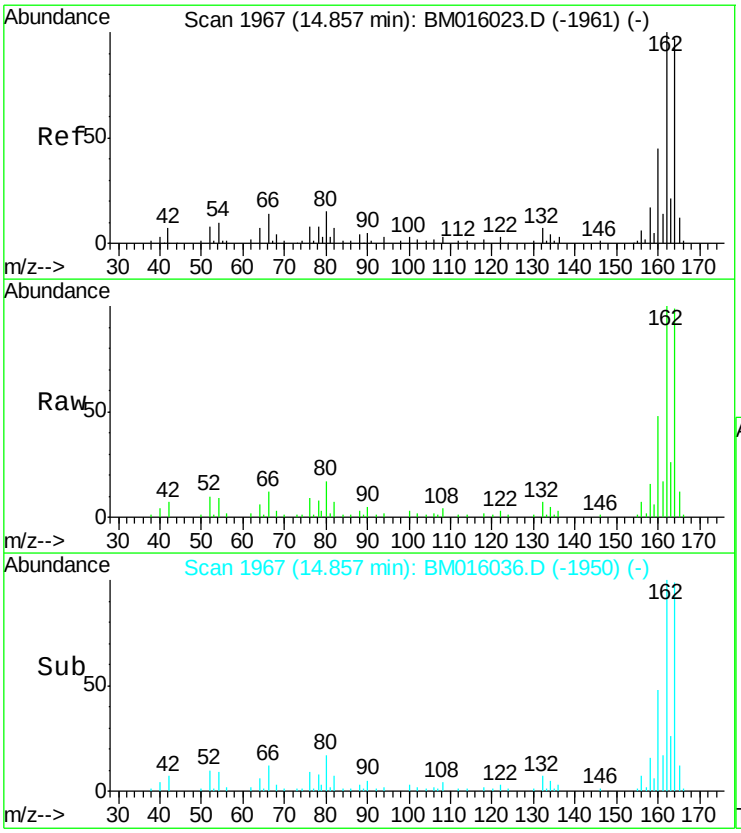
#37
2-Methylnaphthalene
Concen: 0.914 ng
RT: 12.71 min Scan# 1602
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:142 Resp: 4761

Ion	Ratio	Lower	Upper
142	100		
141	101.9	71.9	107.9
115	68.9	25.4	38.0#

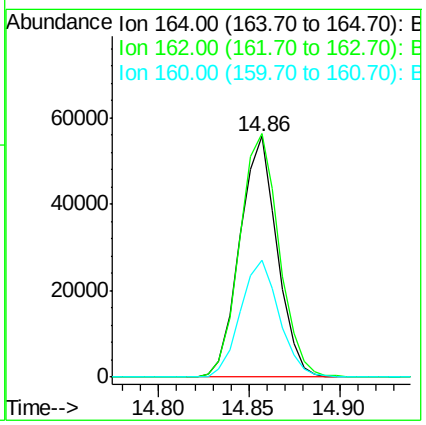


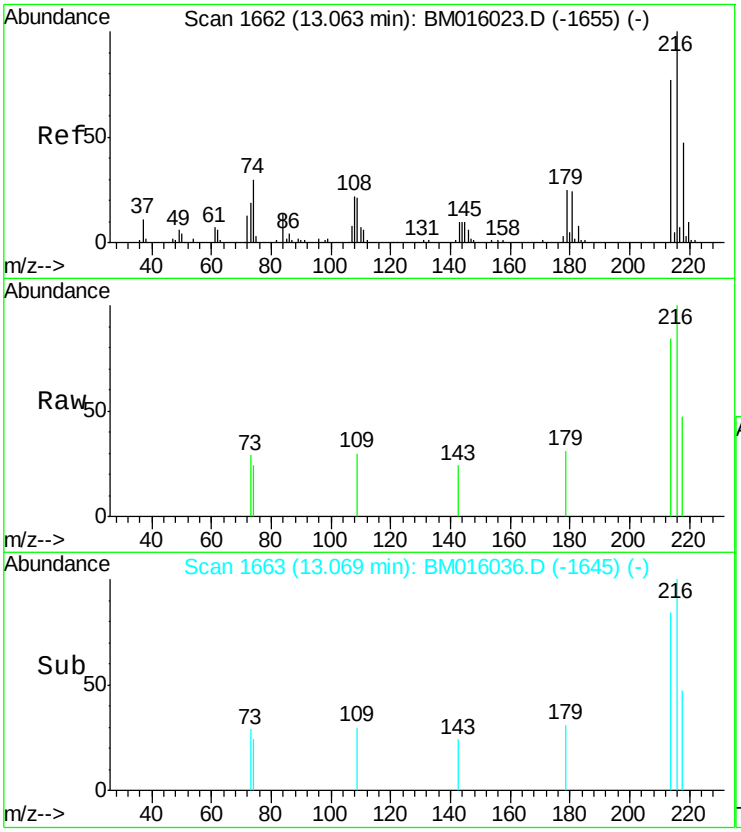


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.86 min Scan# 1967
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:164 Resp: 79444

Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.4	123.6
160	48.3	35.8	53.6



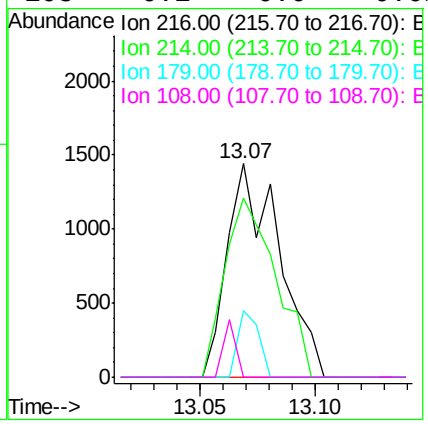


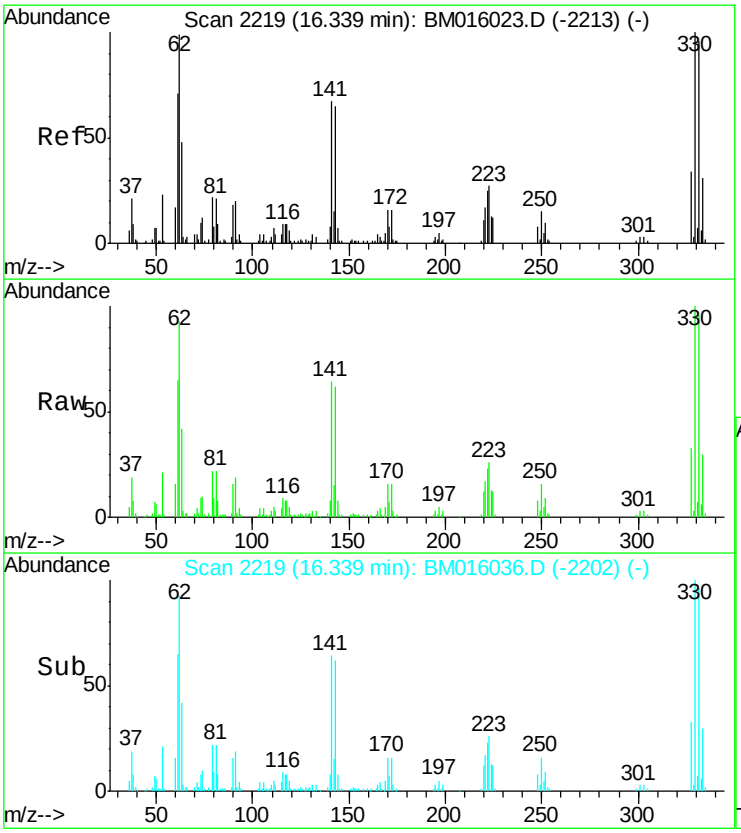
#39
1,2,4,5-Tetrachlorobenzene
Concen: 0.835 ng
RT: 13.07 min Scan# 1663
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:216 Resp: 2258

Ion	Ratio	Lower	Upper
216	100		
214	82.3	0.0	0.0#
179	12.5	0.0	0.0#
108	6.1	0.0	0.0#

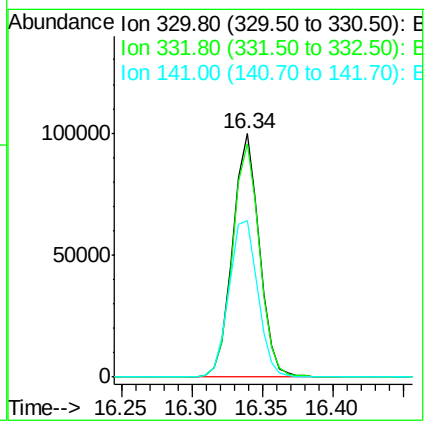


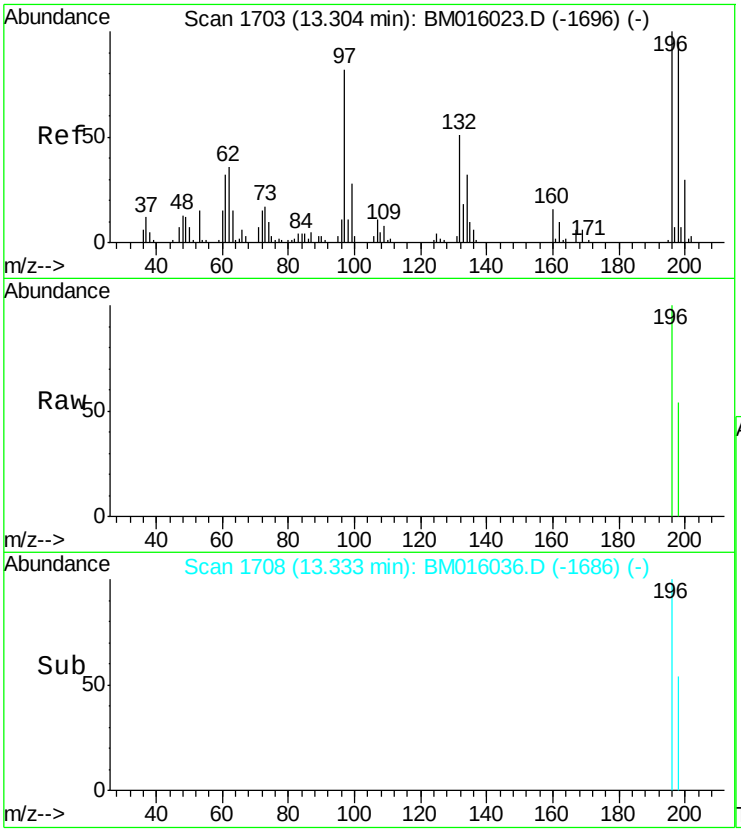


#41
2,4,6-Tribromophenol
Concen: N.D. ng
RT: 16.34 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:330 Resp: 131568

Ion	Ratio	Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	69.2	0.0	0.0#



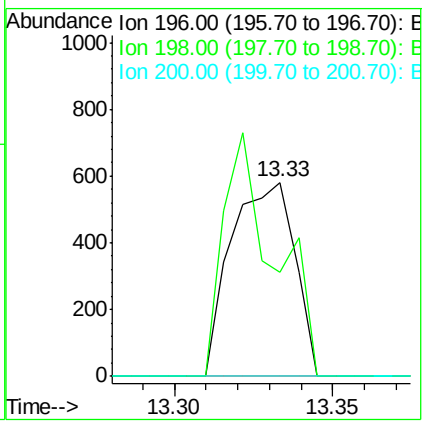


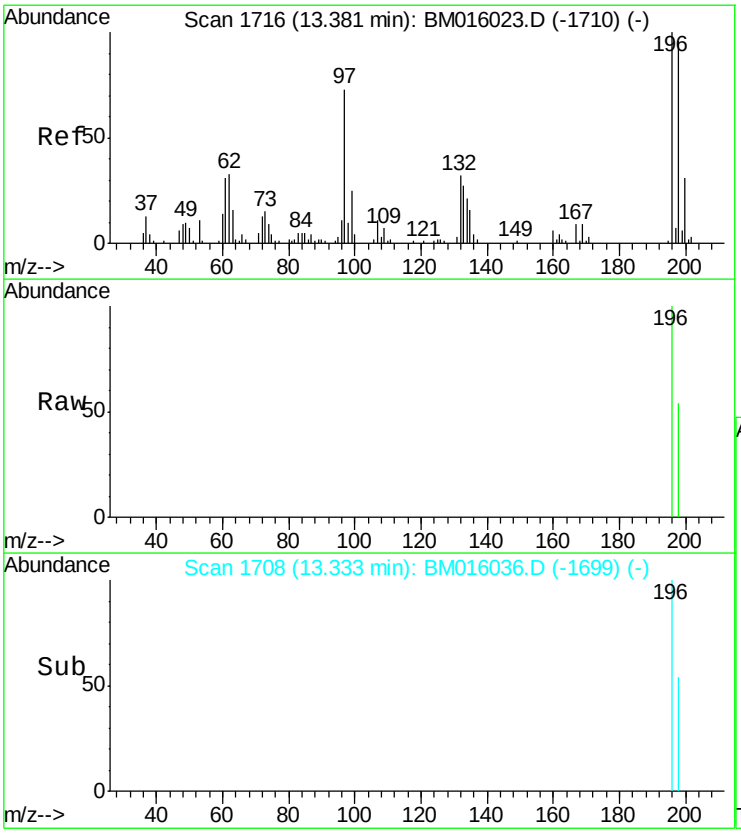
#42
2,4,6-Trichlorophenol
Concen: 0.476 ng
RT: 13.33 min Scan# 1708
Delta R.T. 0.03 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:196 Resp: 805

Ion	Ratio	Lower	Upper
196	100		
198	53.6	76.3	114.5#
200	0.0	25.6	38.4#

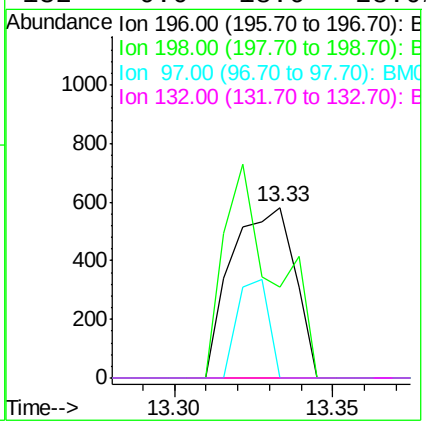


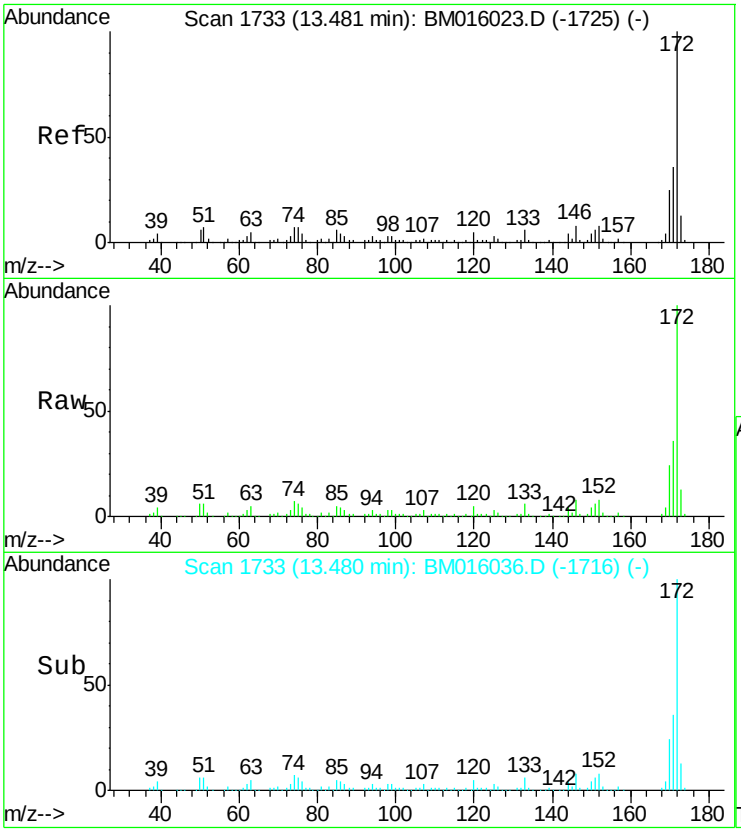


#43
2,4,5-Trichlorophenol
Concen: 0.461 ng
RT: 13.33 min Scan# 1708
Delta R.T. -0.05 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:196 Resp: 805

Ion	Ratio	Lower	Upper
196	100		
198	53.6	79.4	119.0#
97	0.0	26.8	40.2#
132	0.0	18.6	28.0#



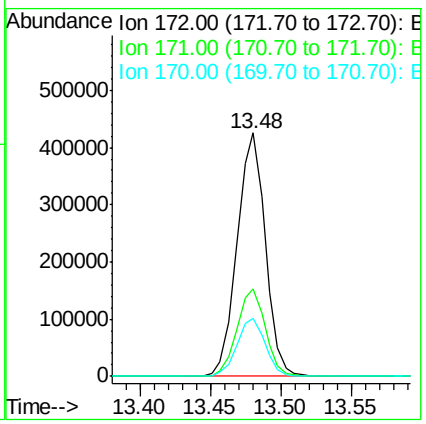


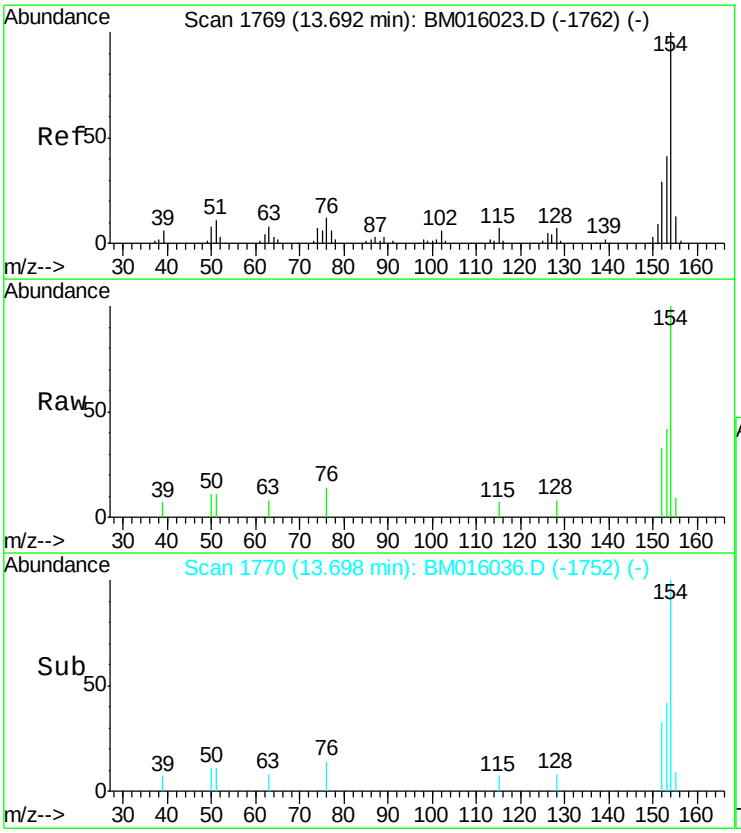
#44
2-Fluorobiphenyl
Concen: 0.461 ng
RT: 13.48 min Scan# 1733
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:172 Resp: 592553

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.5	42.7
170	23.8	18.8	28.2

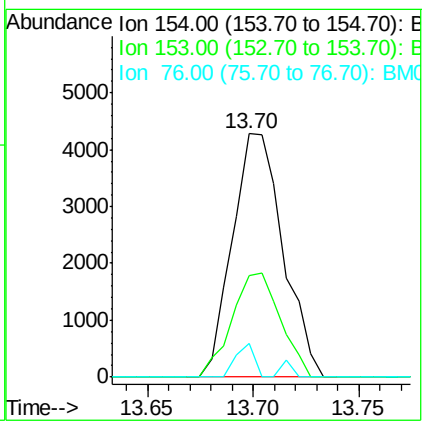


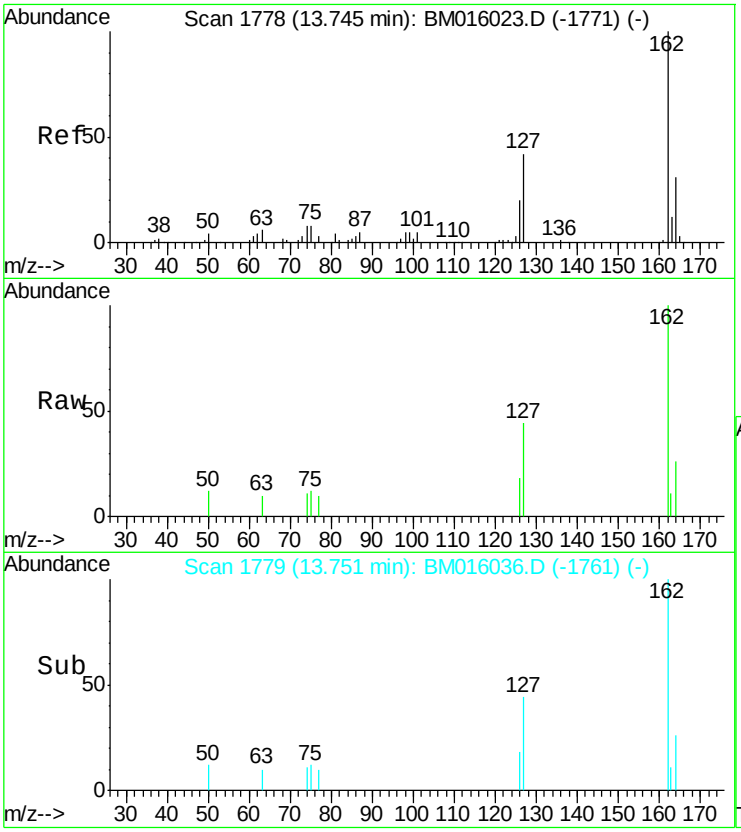


#45
1,1'-Biphenyl
Concen: 0.993 ng
RT: 13.70 min Scan# 1770
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:154 Resp: 7116

Ion	Ratio	Lower	Upper
154	100		
153	41.9	20.7	60.7
76	13.8	0.0	30.9



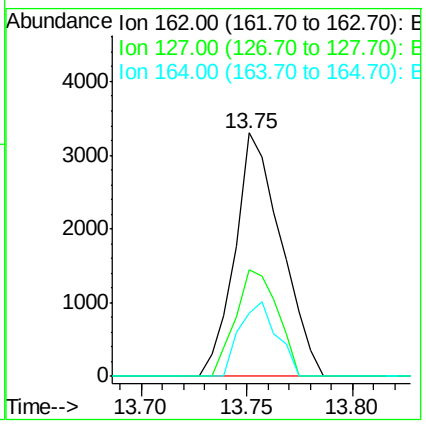


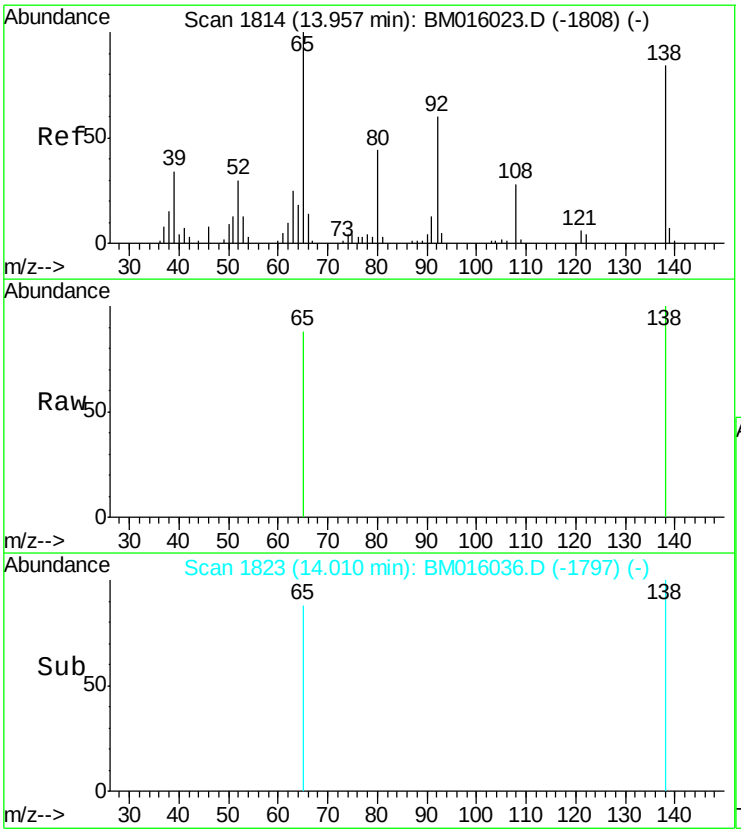
#46
2-Chloronaphthalene
Concen: 0.898 ng
RT: 13.75 min Scan# 1779
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:162 Resp: 5010

Ion	Ratio	Lower	Upper
162	100		
127	44.1	26.9	40.3#
164	25.7	26.8	40.2#

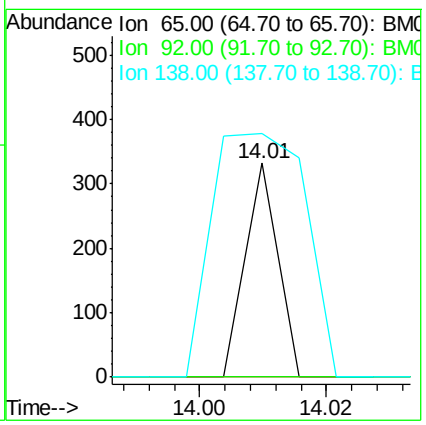


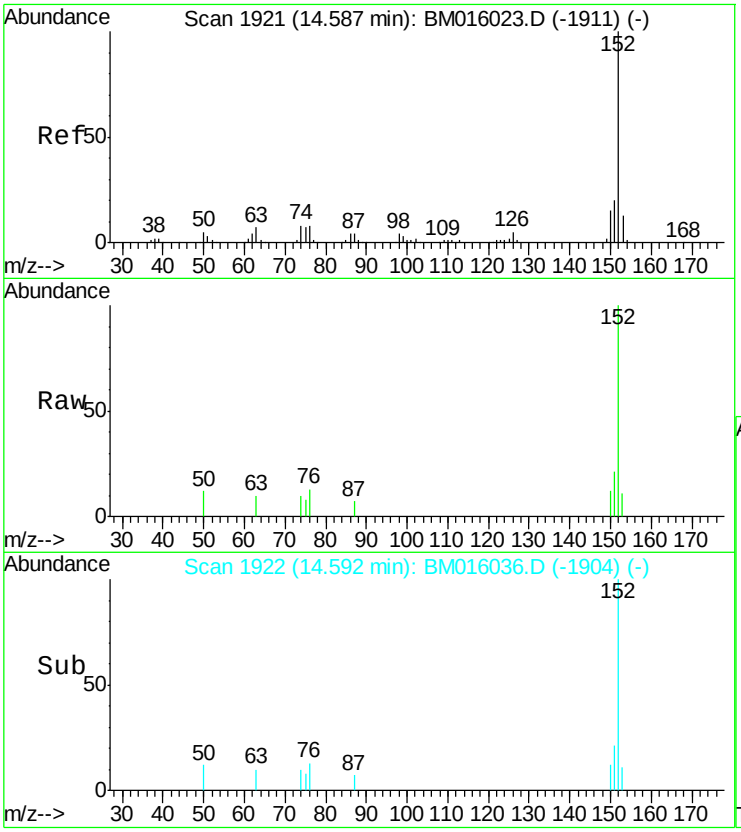


#47
2-Nitroaniline
Concen: 0.063 ng
RT: 14.01 min Scan# 1823
Delta R.T. 0.05 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion: 65 Resp: 117

Ion	Ratio	Lower	Upper
65	100		
92	0.0	59.1	88.7#
138	113.9	93.9	140.9



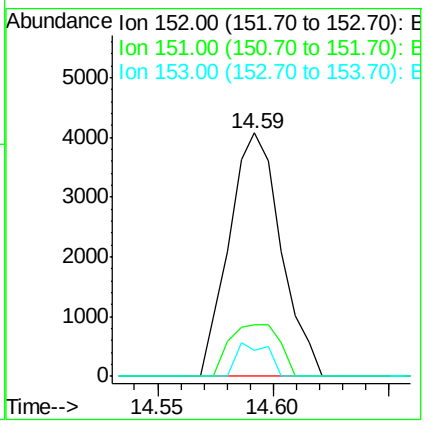


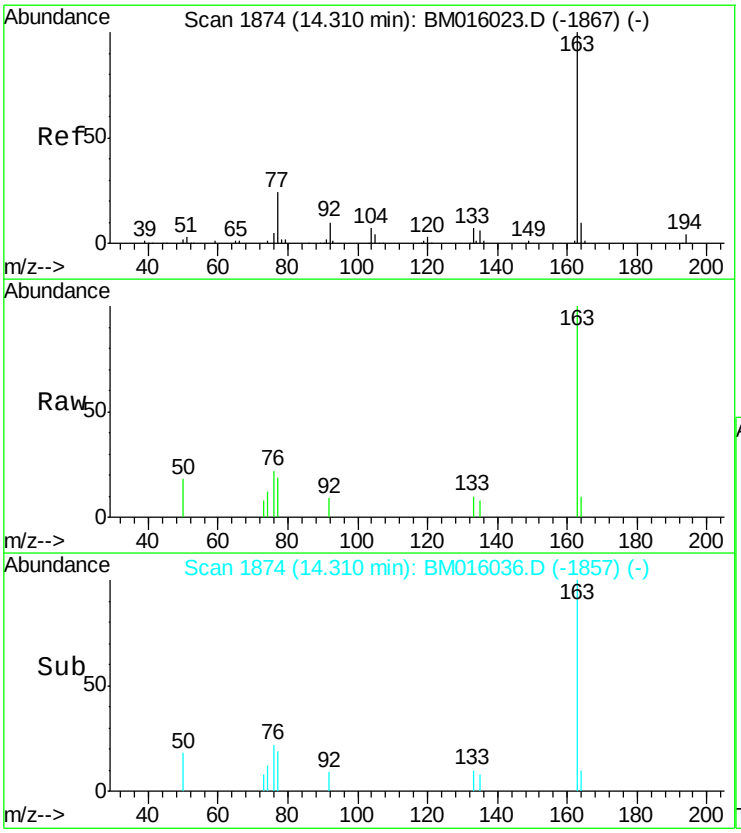
#48
Acenaphthylene
Concen: 0.780 ng
RT: 14.59 min Scan# 1922
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:152 Resp: 6368

Ion	Ratio	Lower	Upper
152	100		
151	21.1	15.9	23.9
153	10.7	10.6	16.0

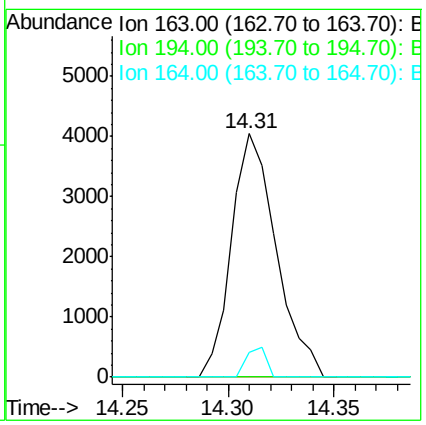


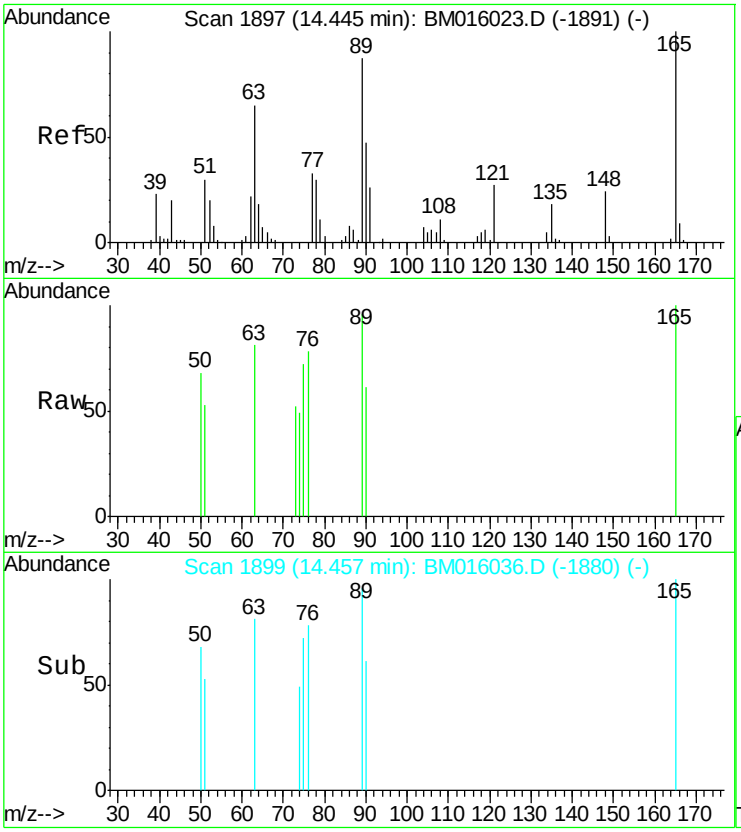


#49
Dimethylphthalate
Concen: 0.854 ng
RT: 14.31 min Scan# 1874
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:163 Resp: 5939

Ion	Ratio	Lower	Upper
163	100		
194	0.0	2.7	4.1#
164	10.3	8.2	12.2



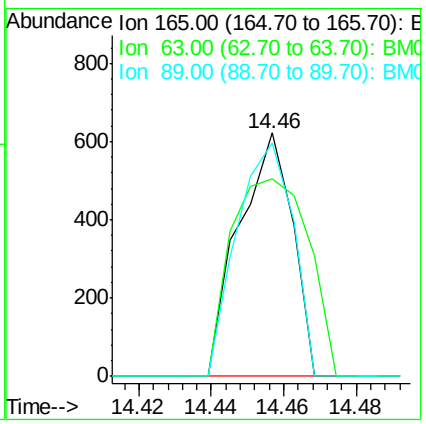


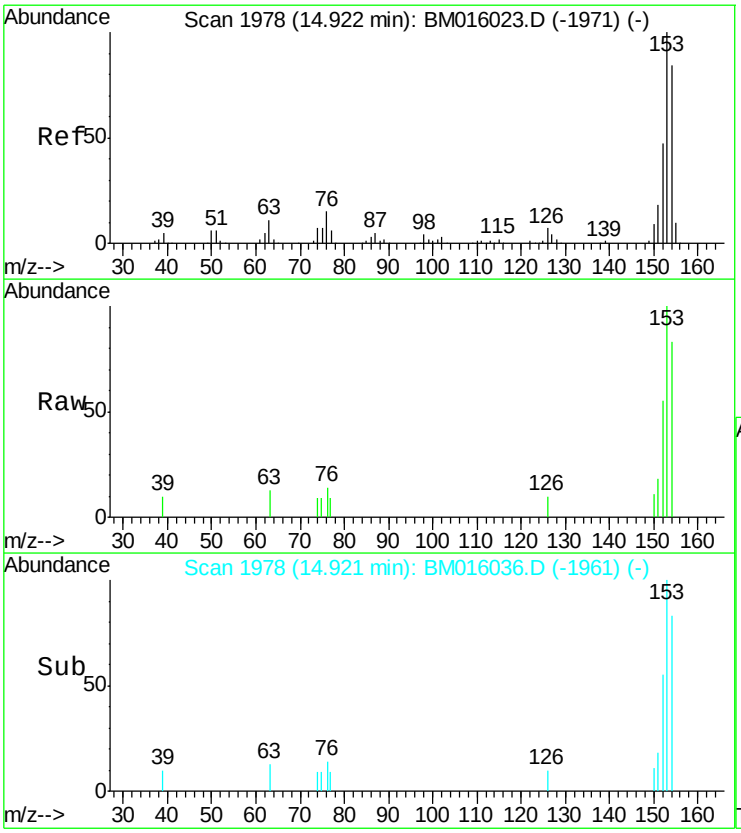
#50
2,6-Dinitrotoluene
Concen: 0.453 ng
RT: 14.46 min Scan# 1899
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:165 Resp: 633

Ion	Ratio	Lower	Upper
165	100		
63	80.9	44.1	66.1#
89	95.7	44.3	66.5#

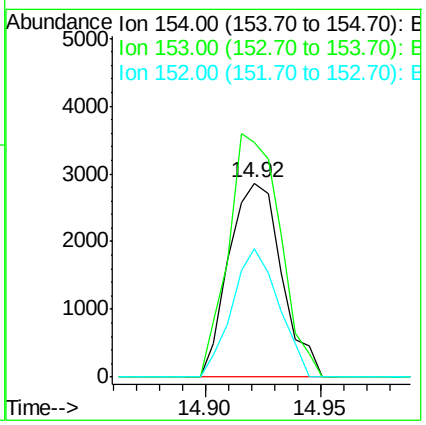


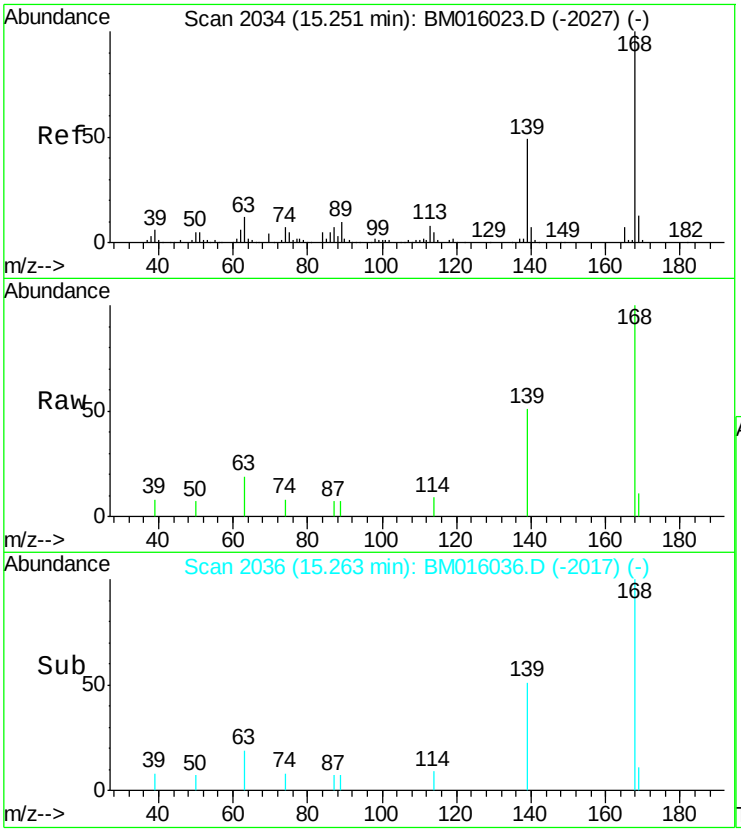


#51
Acenaphthene
Concen: 0.908 ng
RT: 14.92 min Scan# 1978
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:154 Resp: 4557

Ion	Ratio	Lower	Upper
154	100		
153	121.1	90.0	135.0
152	66.4	42.6	63.8#



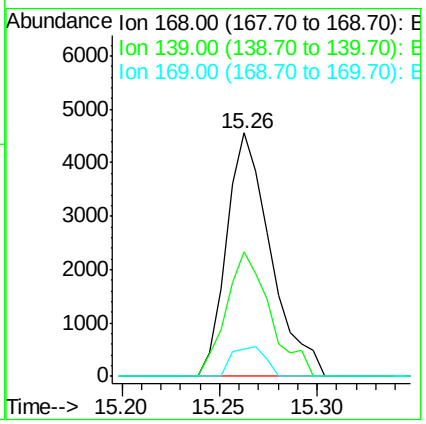


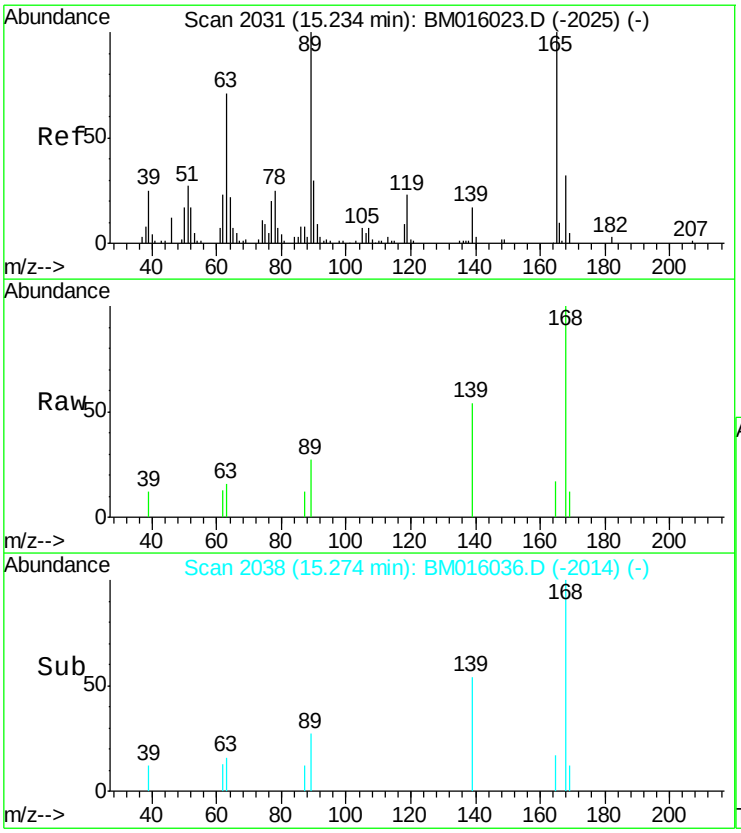
#54
Dibenzofuran
Concen: 0.863 ng
RT: 15.26 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:168 Resp: 7142

Ion	Ratio	Lower	Upper
168	100		
139	50.9	27.3	40.9#
169	11.1	10.6	16.0

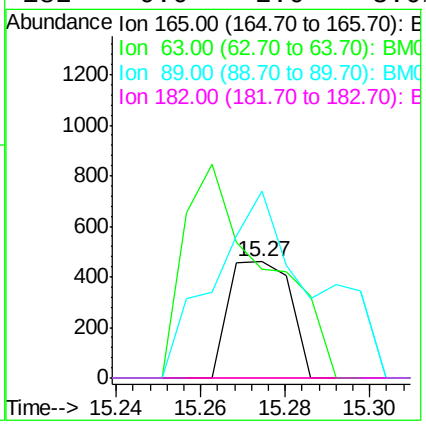


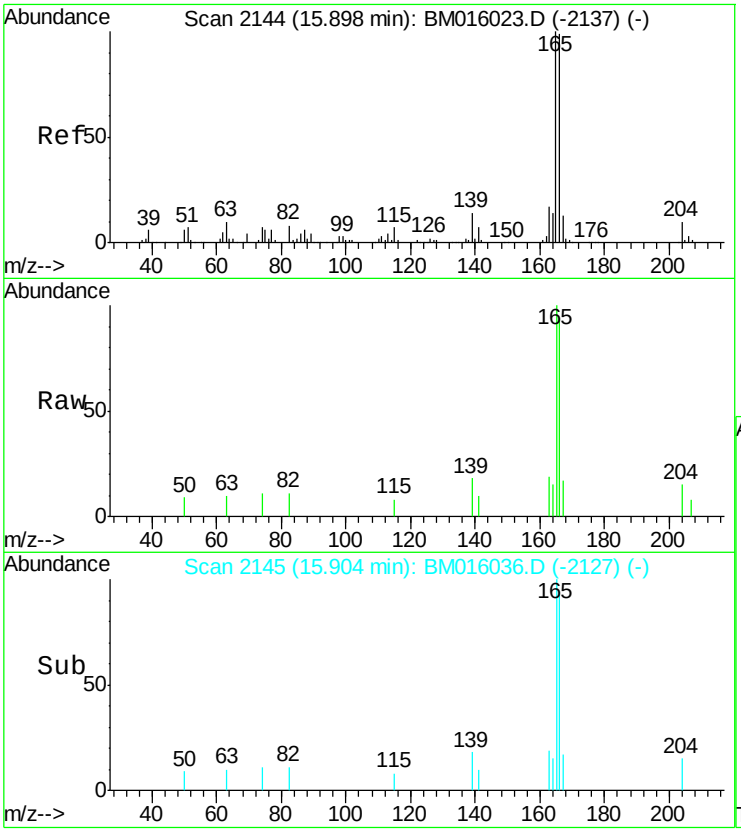


#56
2,4-Dinitrotoluene
Concen: 0.233 ng
RT: 15.27 min Scan# 2038
Delta R.T. 0.04 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:165 Resp: 466

Ion	Ratio	Lower	Upper
165	100		
63	93.3	52.4	78.6#
89	160.9	72.4	108.6#
182	0.0	2.0	3.0#



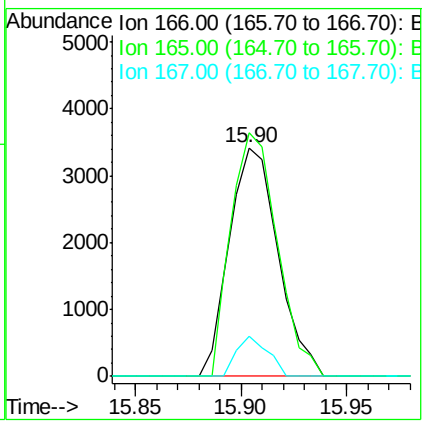


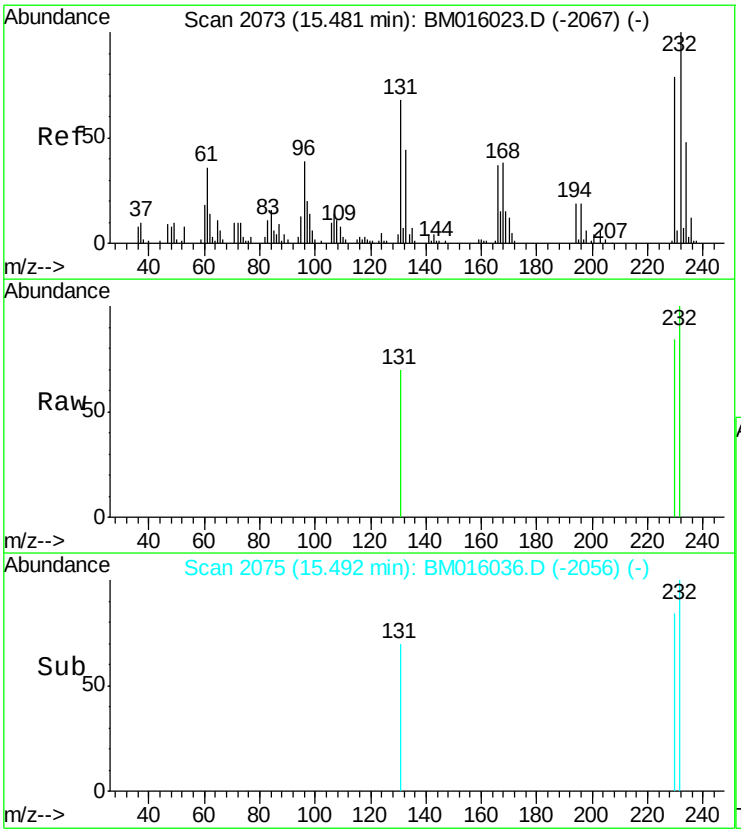
#57
Fluorene
Concen: 0.893 ng
RT: 15.90 min Scan# 2145
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:166 Resp: 5491

Ion	Ratio	Lower	Upper
166	100		
165	106.5	79.0	118.4
167	17.6	10.3	15.5#

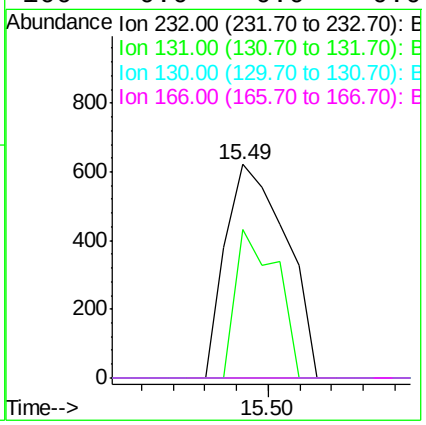


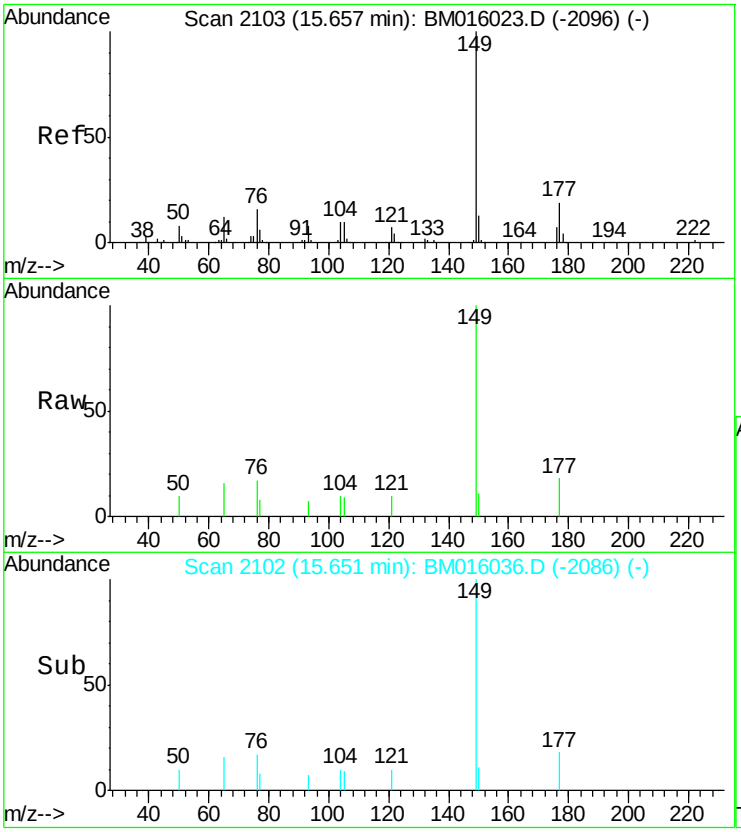


#58
2,3,4,6-Tetrachlorophenol
Concen: 0.549 ng
RT: 15.49 min Scan# 2075
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:232 Resp: 823

Ion	Ratio	Lower	Upper
232	100		
131	47.1	0.0	0.0#
130	0.0	0.0	0.0
166	0.0	0.0	0.0



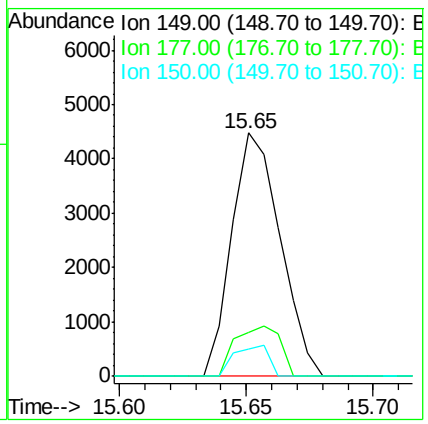


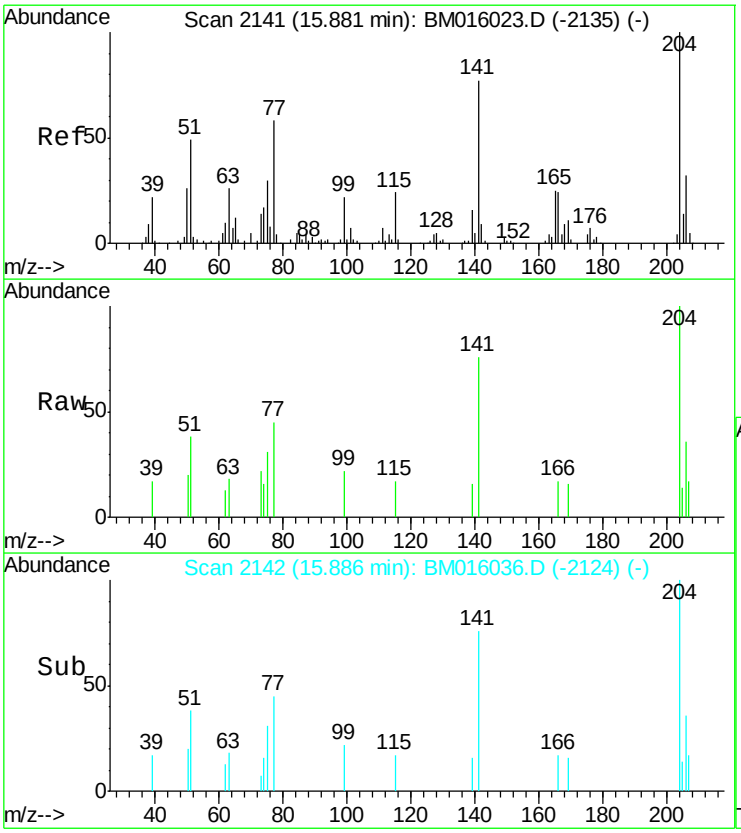
#59
Diethylphthalate
Concen: 0.797 ng
RT: 15.65 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:149 Resp: 5970

Ion	Ratio	Lower	Upper
149	100		
177	17.8	18.3	27.5#
150	11.4	9.8	14.8

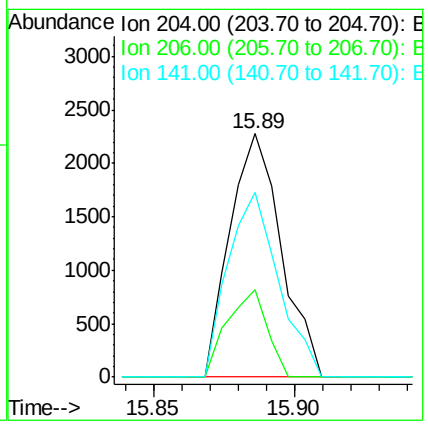


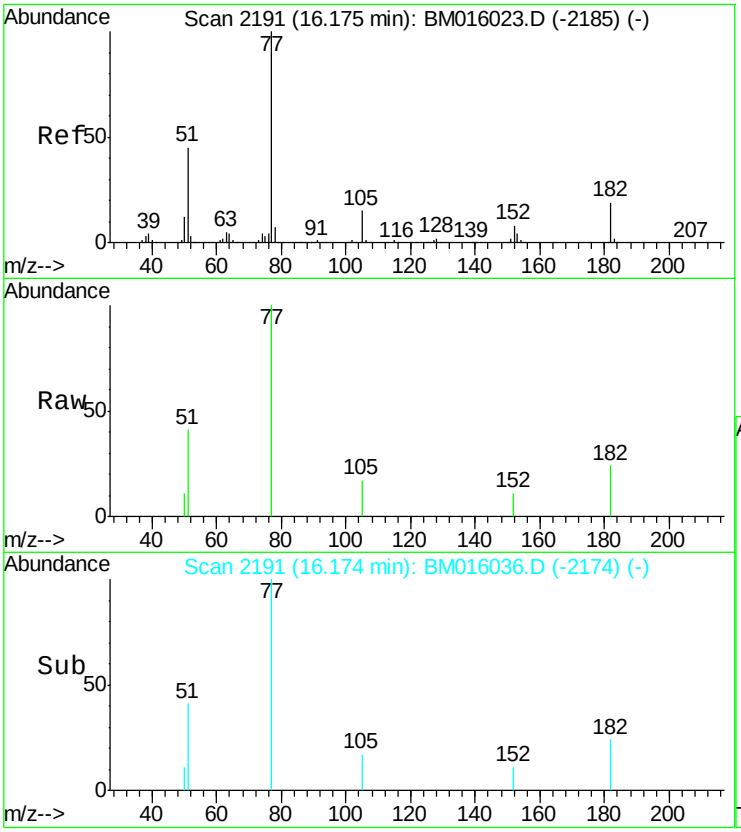


#60
4-Chlorophenyl-phenylether
Concen: 0.839 ng
RT: 15.89 min Scan# 2142
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:204 Resp: 2871

Ion	Ratio	Lower	Upper
204	100		
206	36.1	26.6	39.8
141	76.1	45.2	67.8#



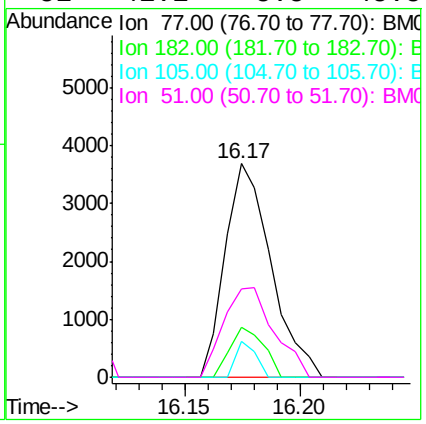


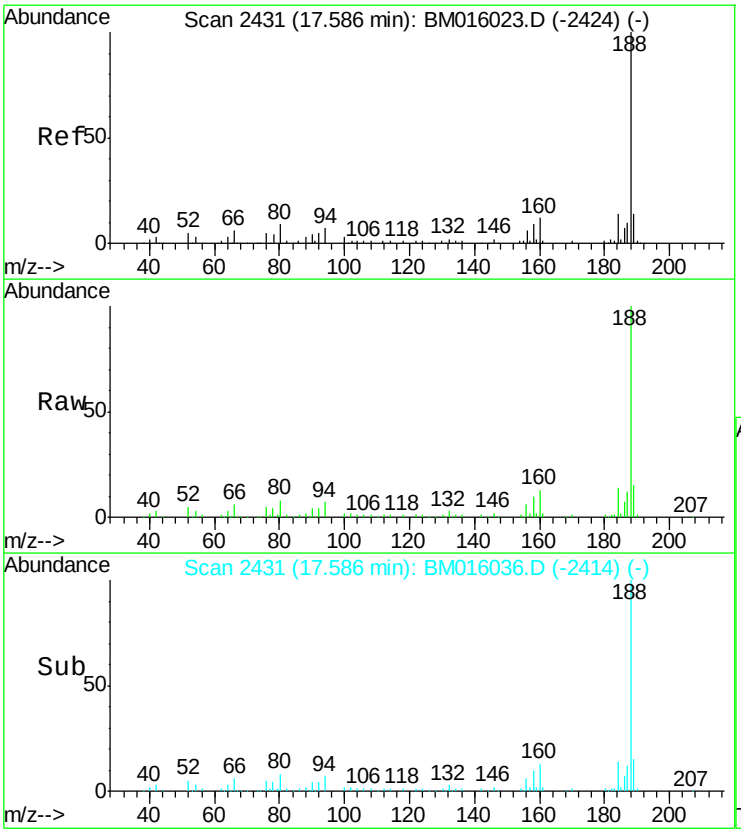
#62
Azobenzene
Concen: 0.645 ng
RT: 16.17 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion: 77 Resp: 5090

Ion	Ratio	Lower	Upper
77	100		
182	23.5	6.5	46.5
105	17.0	3.8	43.8
51	41.1	5.5	45.5

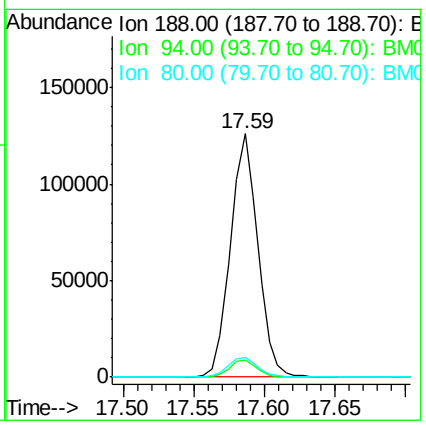


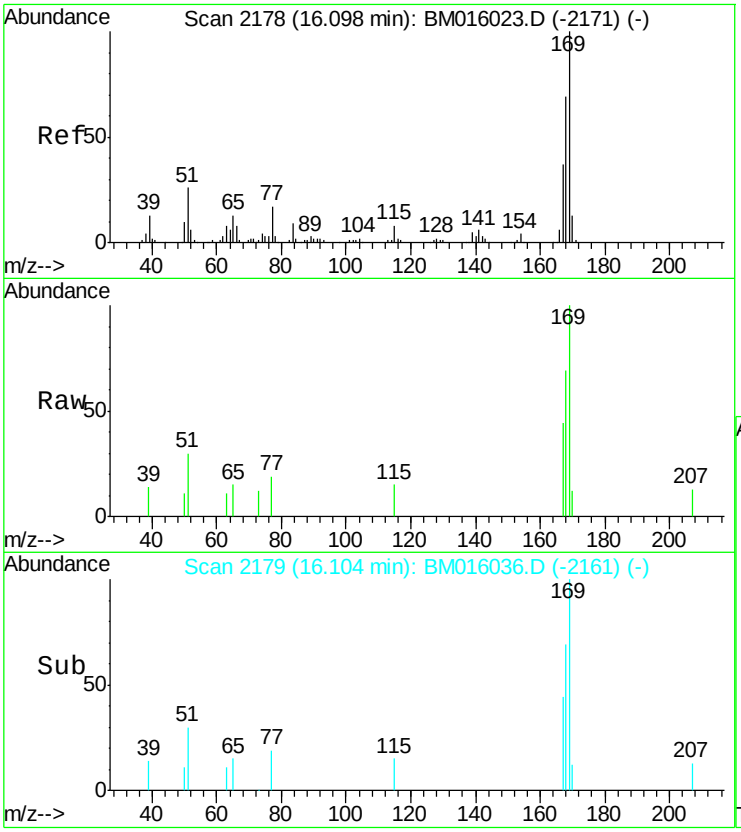


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.59 min Scan# 2431
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:188 Resp: 171310

Ion	Ratio	Lower	Upper
188	100		
94	6.8	8.7	13.1#
80	8.0	9.3	13.9#



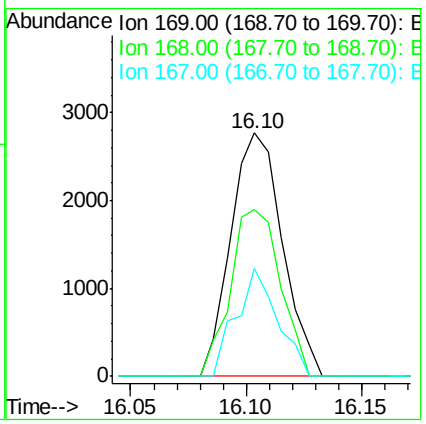


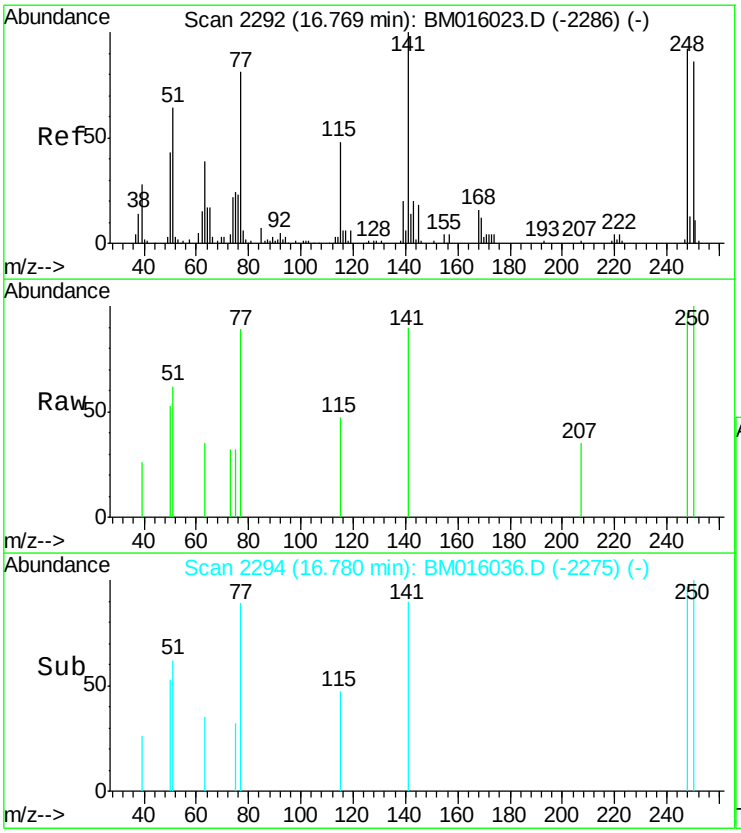
#65
n-Nitrosodiphenylamine
Concen: 0.764 ng
RT: 16.10 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:169 Resp: 4308

Ion	Ratio	Lower	Upper
169	100		
168	68.6	53.9	80.9
167	44.4	28.9	43.3#

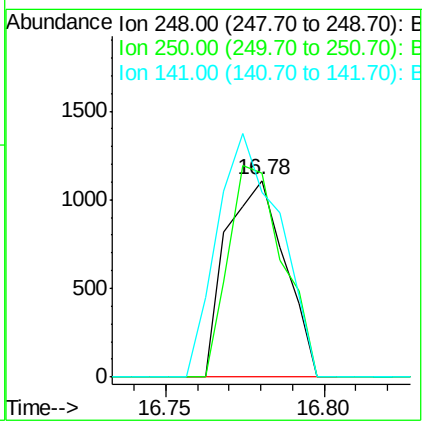


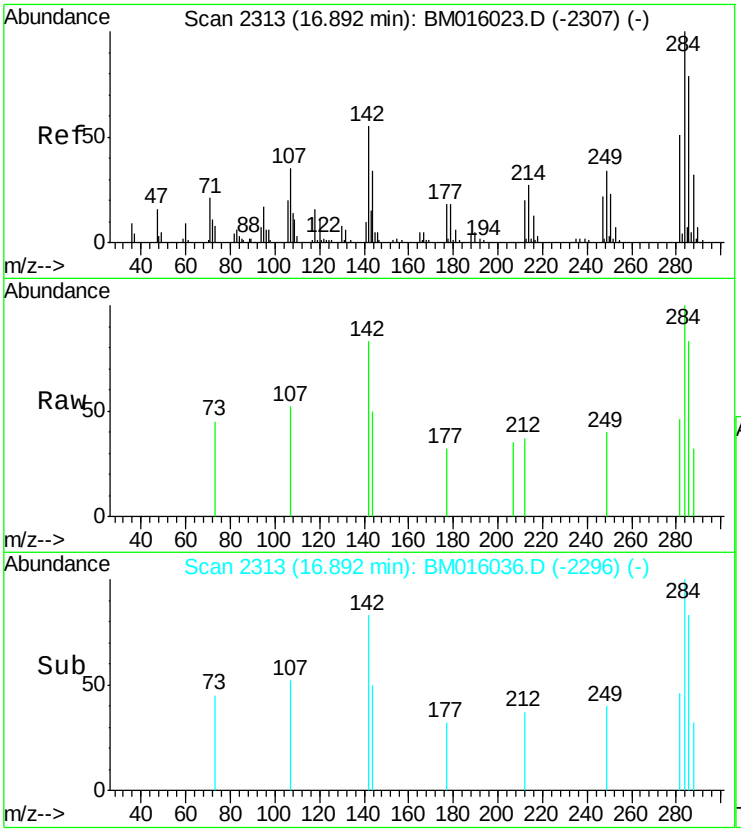


#66
4-Bromophenyl-phenylether
Concen: 0.735 ng
RT: 16.78 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:248 Resp: 1426

Ion	Ratio	Lower	Upper
248	100		
250	103.6	77.4	116.0
141	93.7	45.2	67.8#



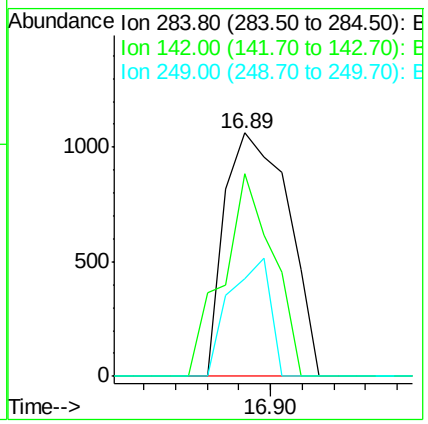


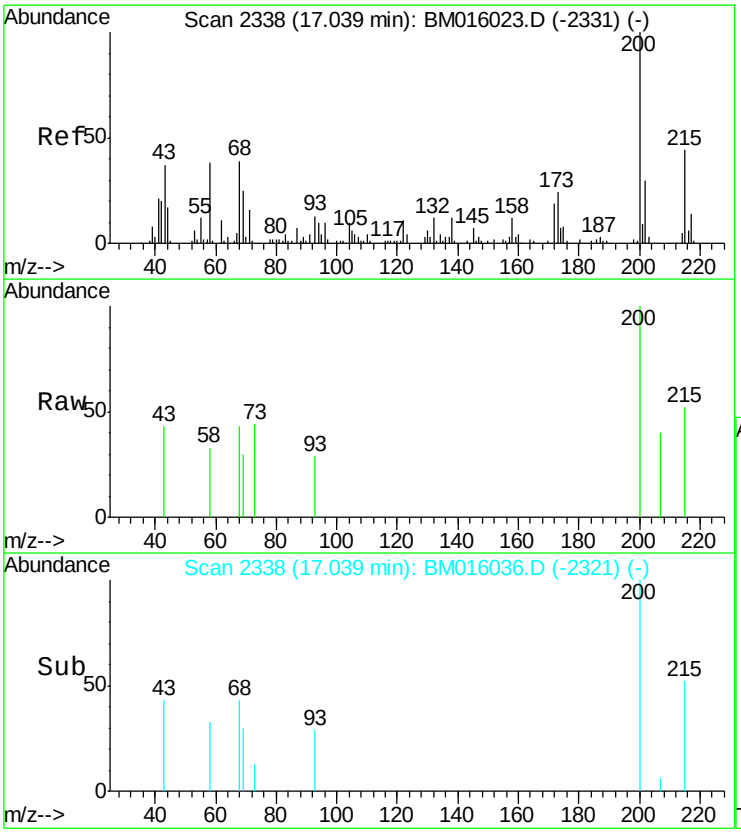
#67
Hexachlorobenzene
Concen: 0.693 ng
RT: 16.89 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:284 Resp: 1480

Ion	Ratio	Lower	Upper
284	100		
142	83.3	20.4	30.6#
249	40.0	23.8	35.6#

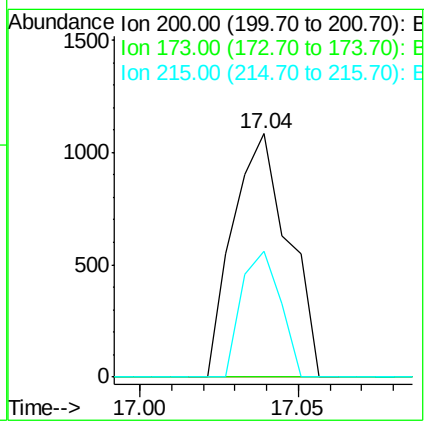


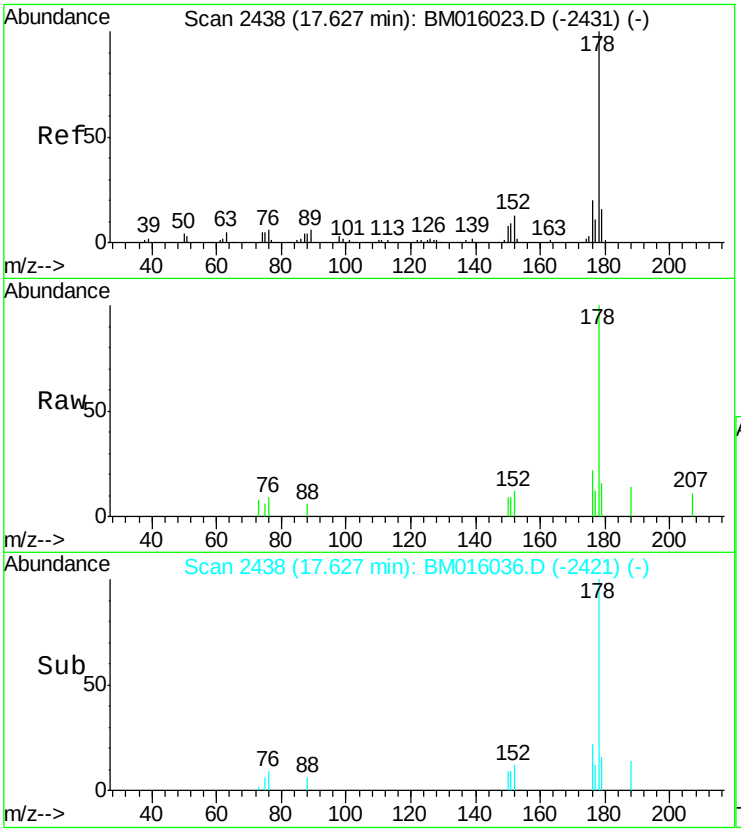


#68
Atrazine
Concen: 0.648 ng
RT: 17.04 min Scan# 2338
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:200 Resp: 1310

Ion	Ratio	Lower	Upper
200	100		
173	0.0	4.8	44.8#
215	51.9	26.9	66.9



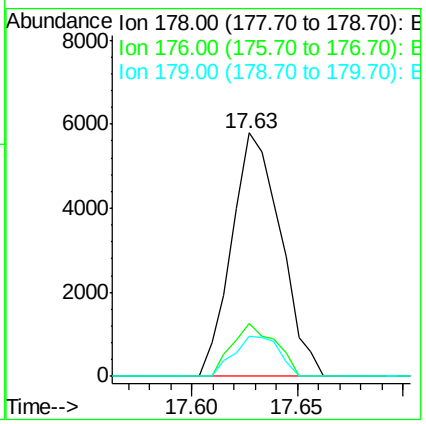


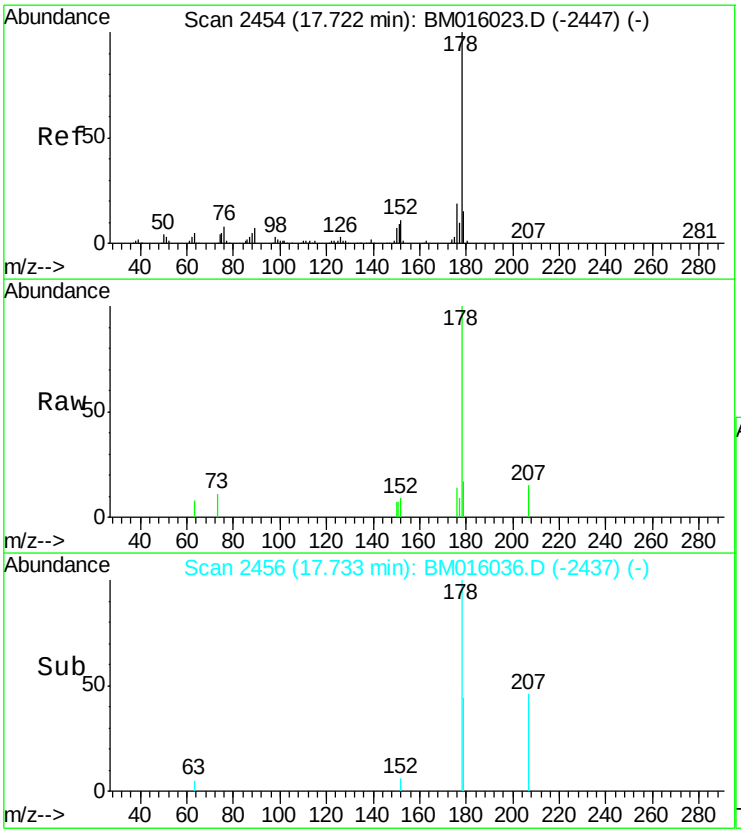
#70
Phenanthrene
Concen: 0.970 ng
RT: 17.63 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:178 Resp: 9308

Ion	Ratio	Lower	Upper
178	100		
176	22.0	15.2	22.8
179	16.4	12.1	18.1

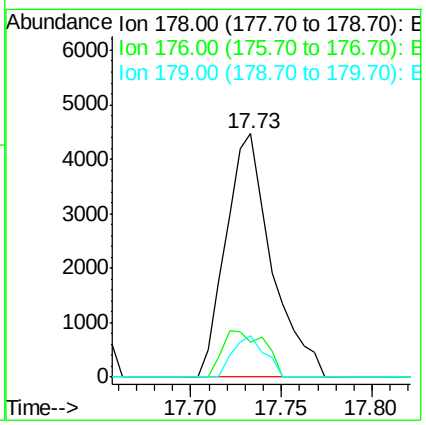


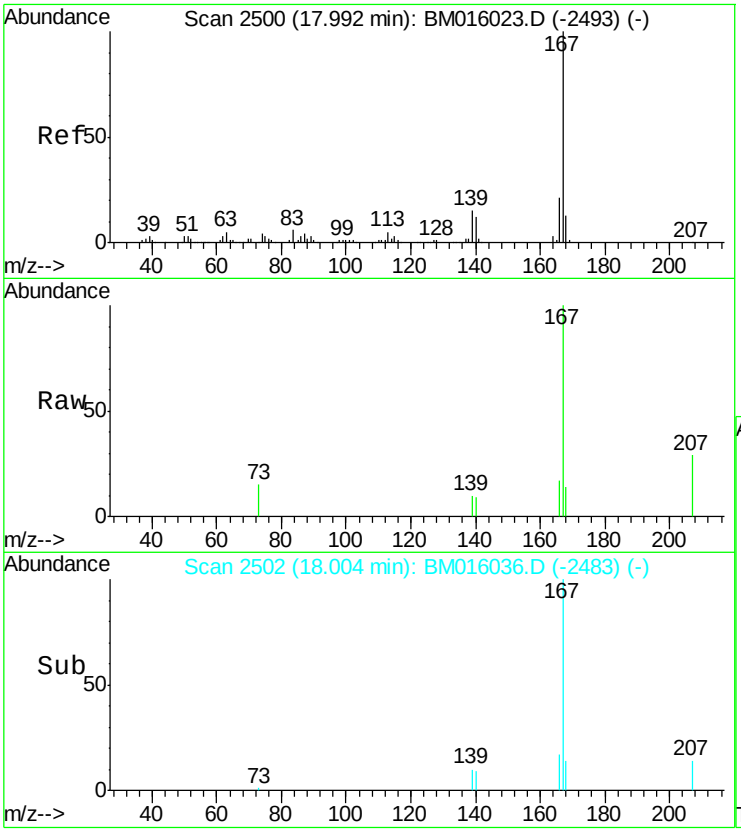


#71
Anthracene
Concen: 0.839 ng
RT: 17.73 min Scan# 2456
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:178 Resp: 7821

Ion	Ratio	Lower	Upper
178	100		
176	14.3	14.6	22.0#
179	17.1	12.6	19.0



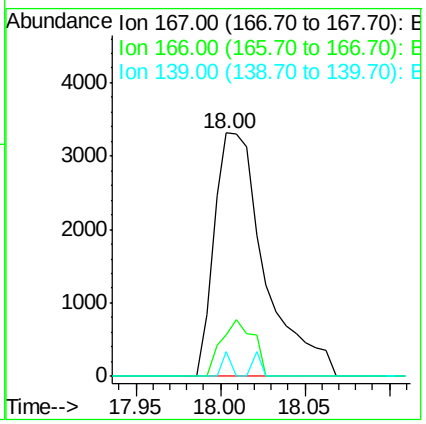


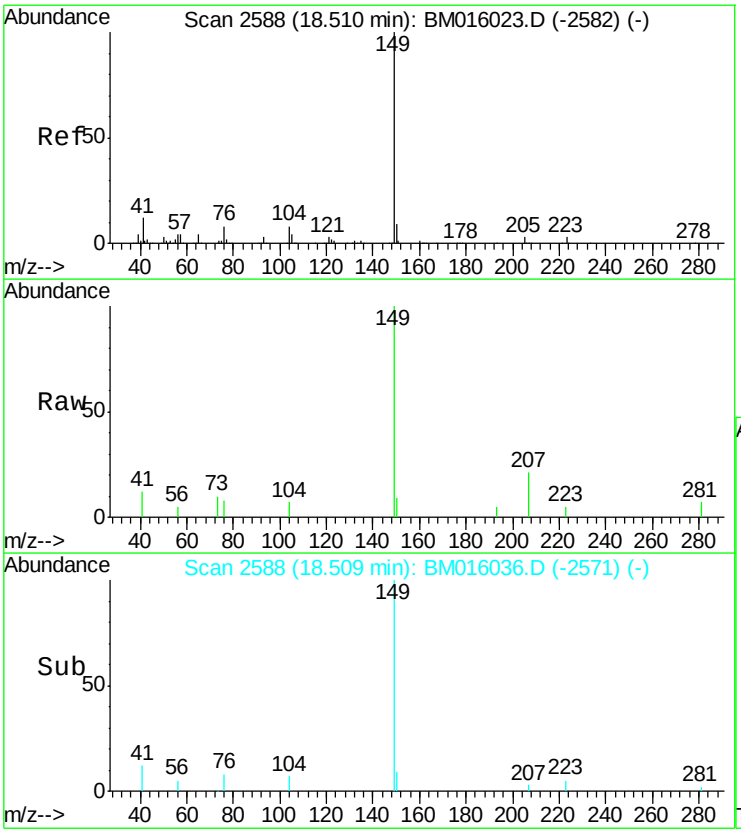
#72
Carbazole
Concen: 0.715 ng
RT: 18.00 min Scan# 2502
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:167 Resp: 6902

Ion	Ratio	Lower	Upper
167	100		
166	17.0	17.2	25.8#
139	10.0	10.8	16.2#

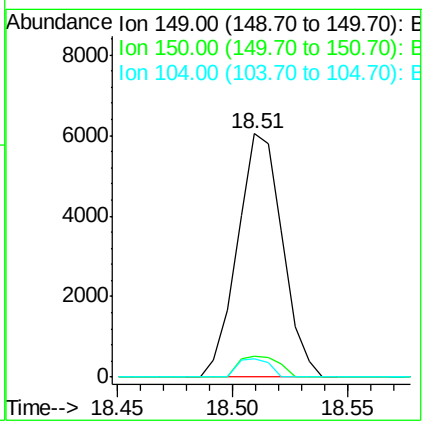


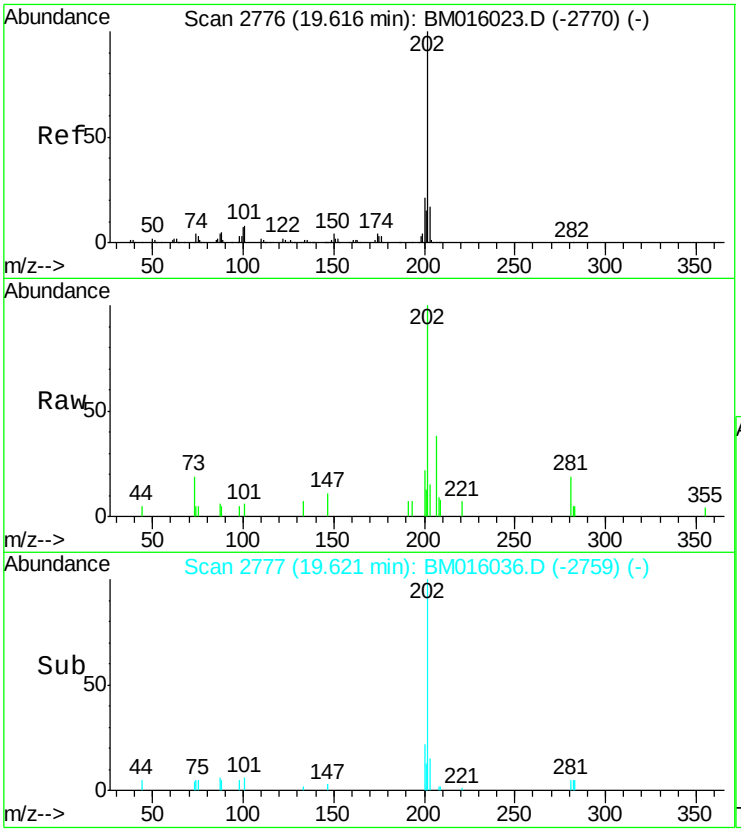


#73
Di-n-butylphthalate
Concen: 0.681 ng
RT: 18.51 min Scan# 2588
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:149 Resp: 8193

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.5	11.3
104	7.3	3.7	5.5#



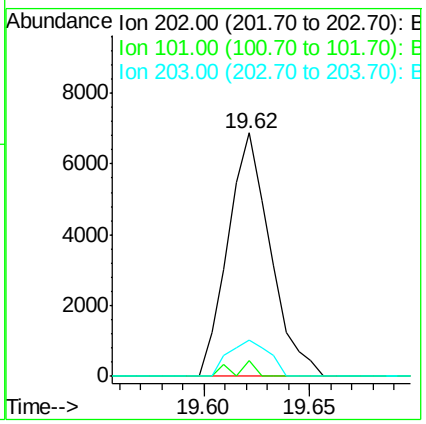


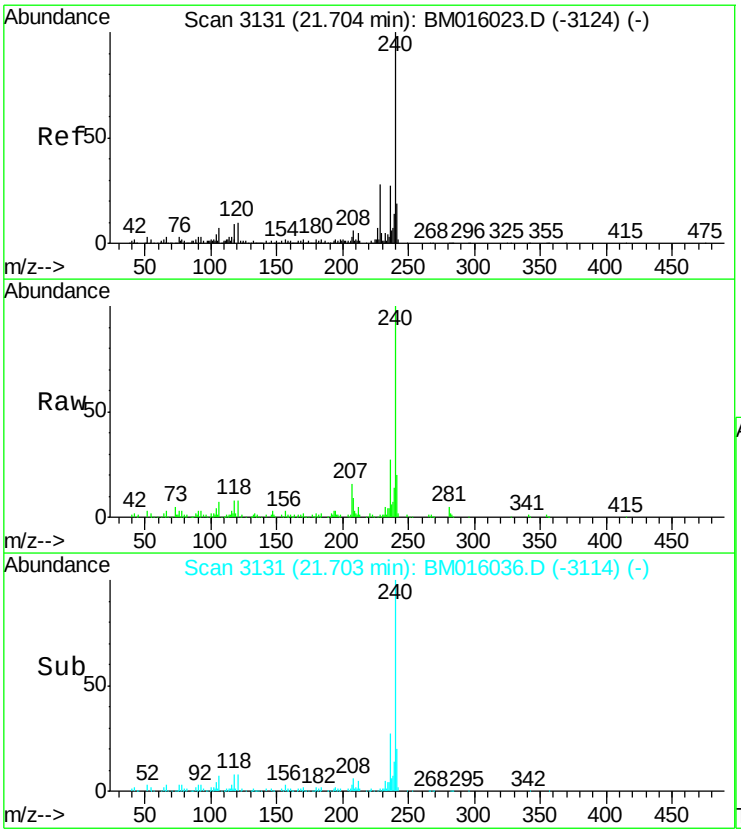
#74
Fluoranthene
Concen: 0.892 ng
RT: 19.62 min Scan# 2777
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:202 Resp: 9542

Ion	Ratio	Lower	Upper
202	100		
101	6.4	0.0	28.7
203	15.0	0.0	37.2

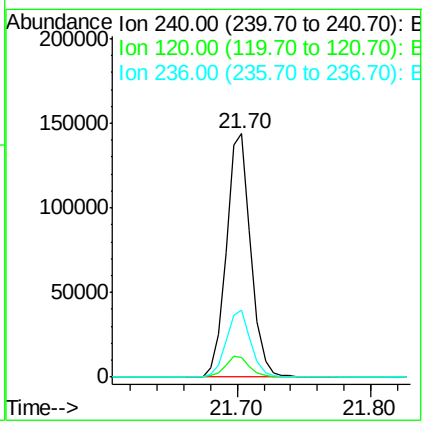


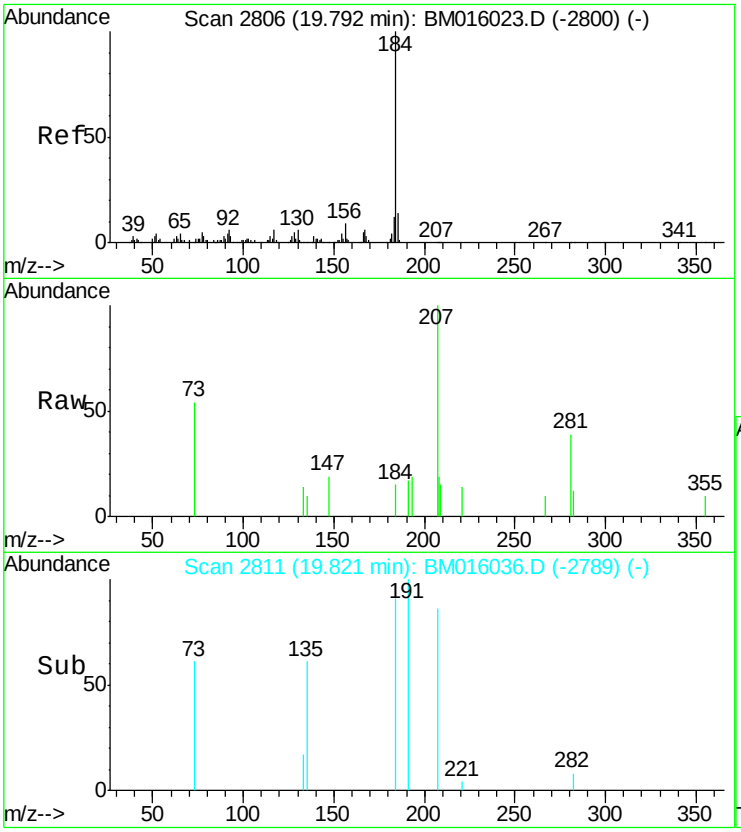


#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:240 Resp: 183109

Ion	Ratio	Lower	Upper
240	100		
120	8.1	8.2	12.2#
236	27.4	20.0	30.0



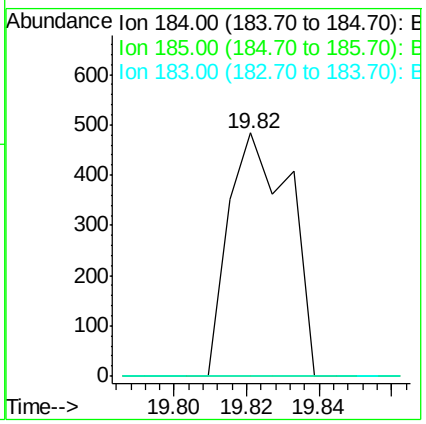


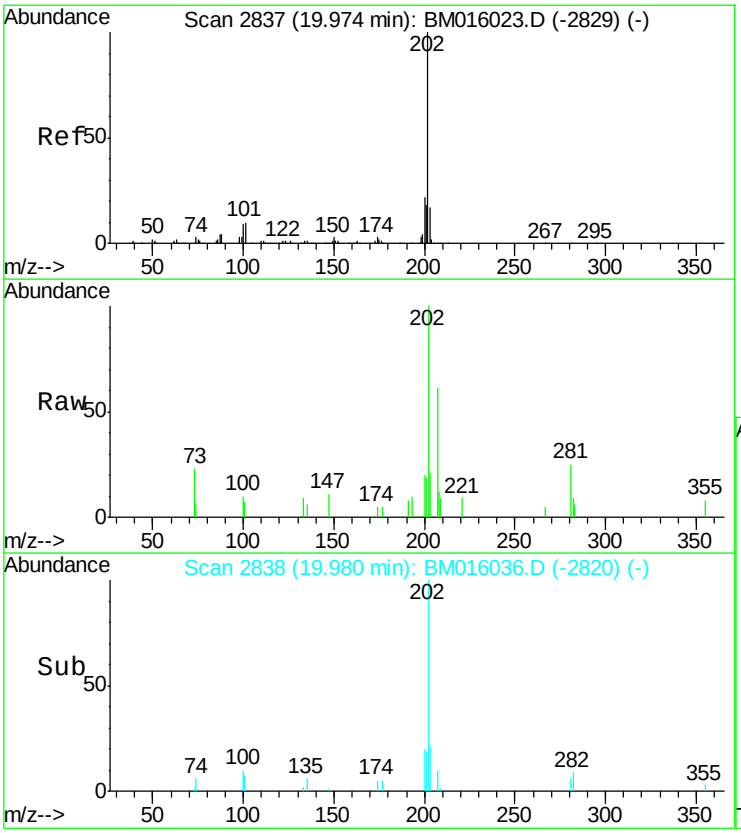
#76
Benzidine
Concen: 0.111 ng
RT: 19.82 min Scan# 2811
Delta R.T. 0.03 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:184 Resp: 566

Ion	Ratio	Lower	Upper
184	100		
185	0.0	11.3	16.9#
183	0.0	8.9	13.3#

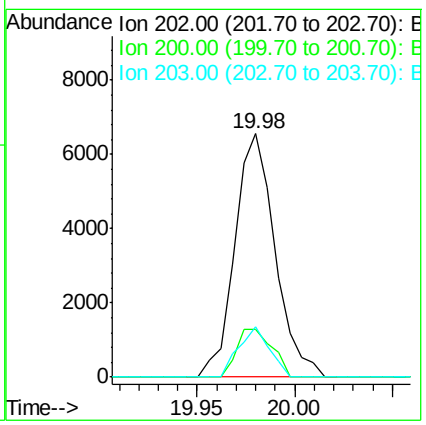


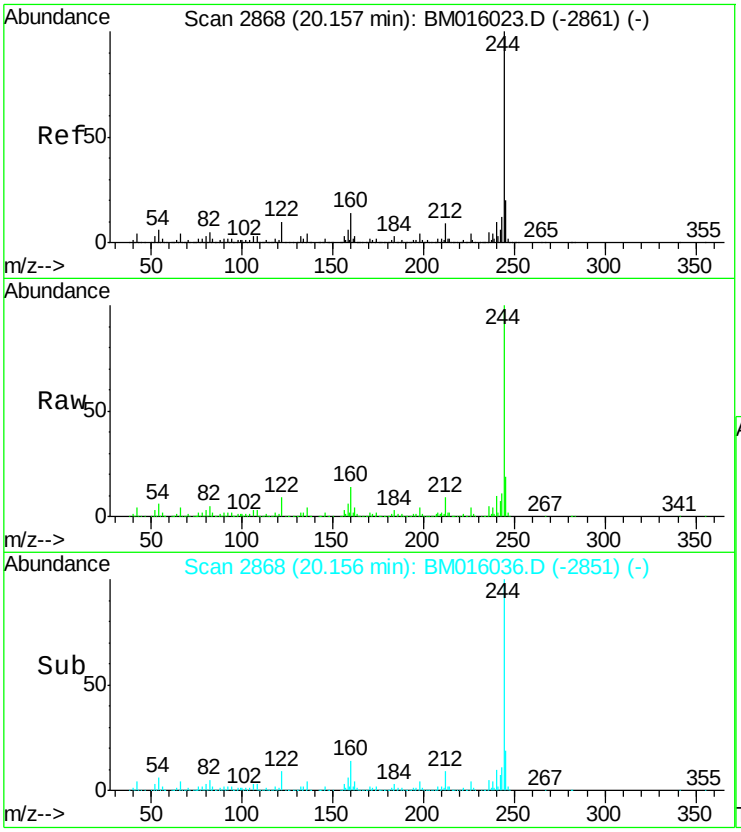


#77
Pyrene
Concen: 0.852 ng
RT: 19.98 min Scan# 2838
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:202 Resp: 9349

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.9	25.3
203	20.6	14.1	21.1



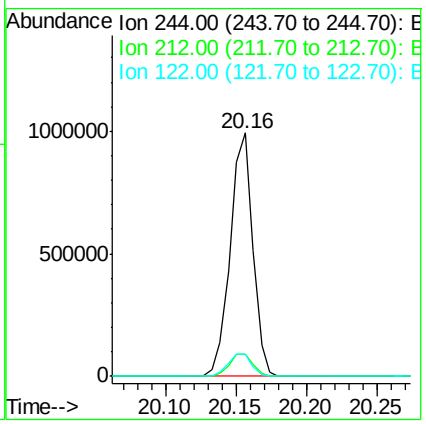


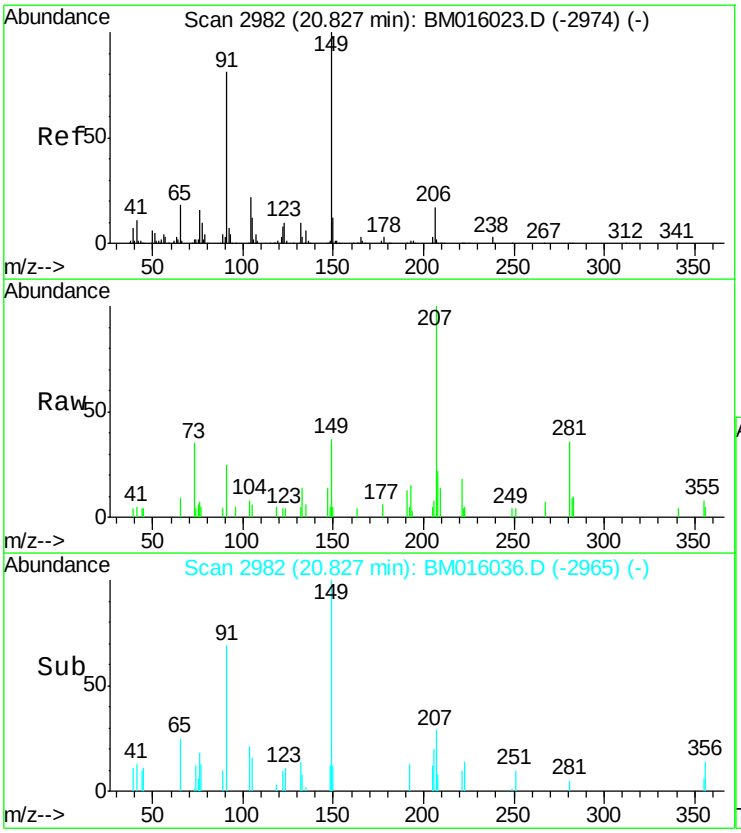
#78
Terphenyl-d14
Concen: 0.852 ng
RT: 20.16 min Scan# 2868
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:244 Resp: 1104750

Ion	Ratio	Lower	Upper
244	100		
212	9.4	4.9	7.3#
122	9.2	6.2	9.4

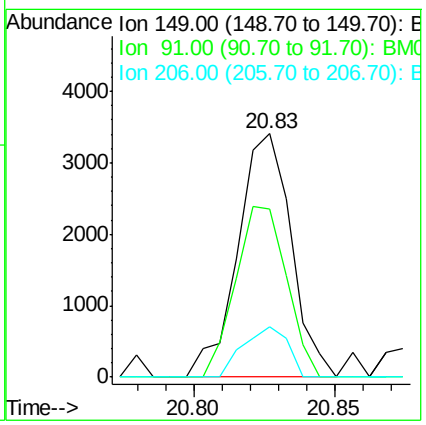


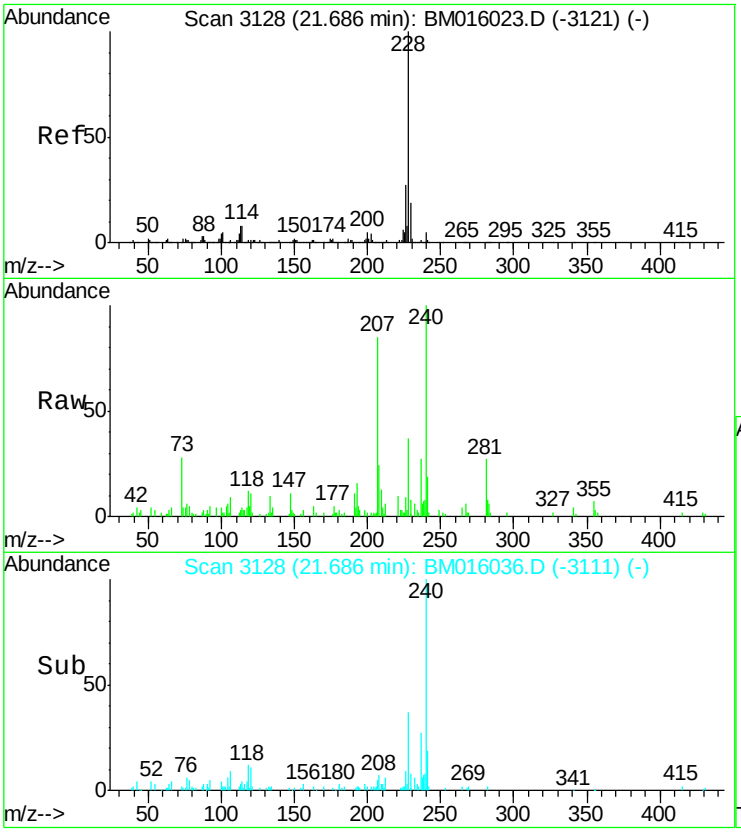


#79
Butylbenzylphthalate
Concen: 0.802 ng
RT: 20.83 min Scan# 2982
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:149 Resp: 4473

Ion	Ratio	Lower	Upper
149	100		
91	68.9	50.1	75.1
206	20.5	16.2	24.2



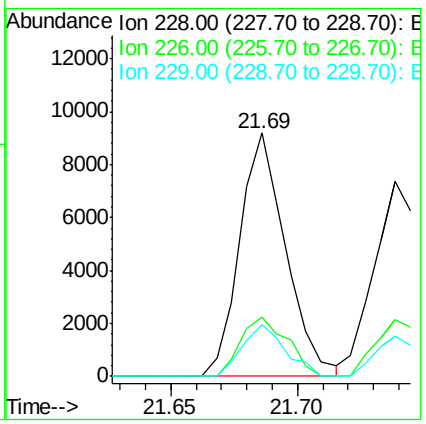


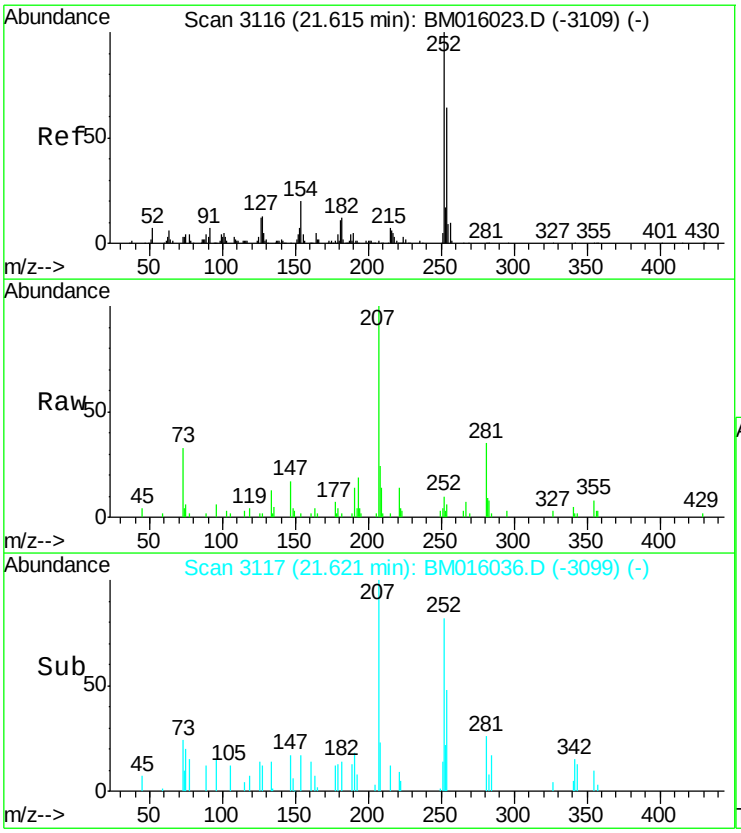
#80
Benzo(a)anthracene
Concen: 1.031 ng
RT: 21.69 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:228 Resp: 11633

Ion	Ratio	Lower	Upper
228	100		
226	24.2	21.7	32.5
229	21.3	16.0	24.0

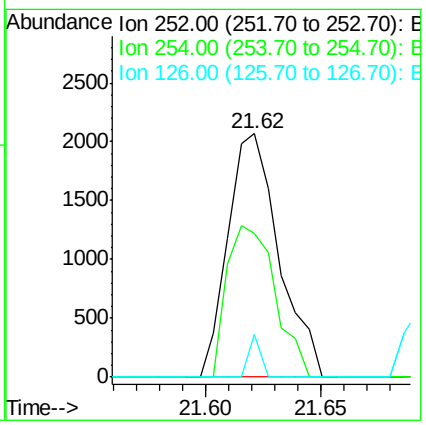


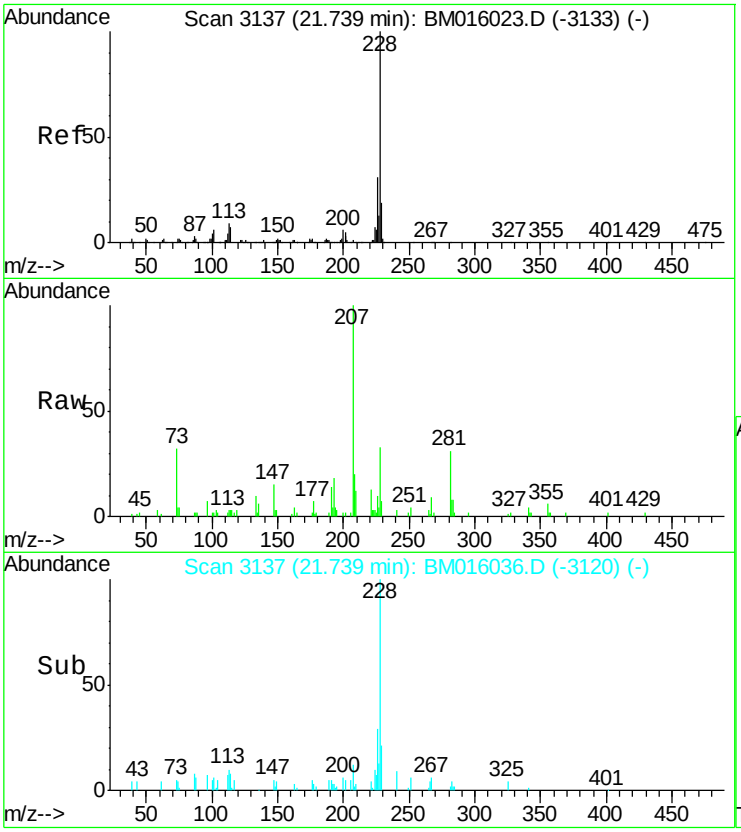


#81
3,3'-Dichlorobenzidine
Concen: 0.701 ng
RT: 21.62 min Scan# 3117
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:252 Resp: 3185

Ion	Ratio	Lower	Upper
252	100		
254	58.9	51.9	77.9
126	17.6	9.8	14.8#



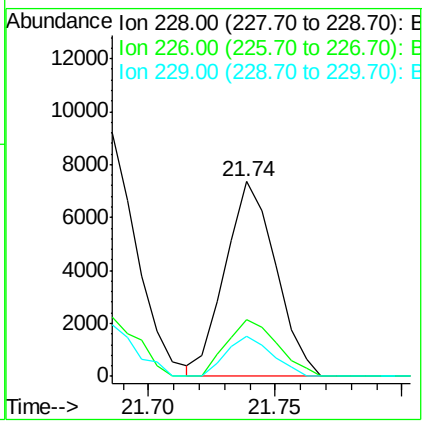


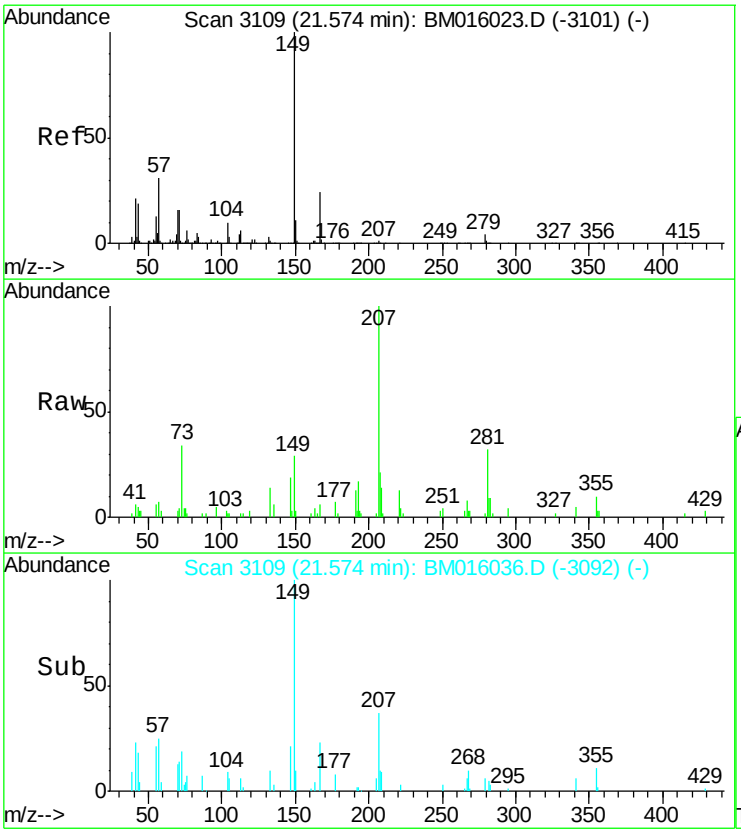
#82
Chrysene
Concen: 0.944 ng
RT: 21.74 min Scan# 3137
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:228 Resp: 10209

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.1	36.1
229	20.8	15.5	23.3

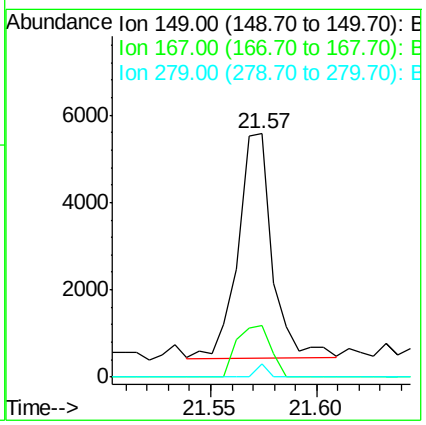


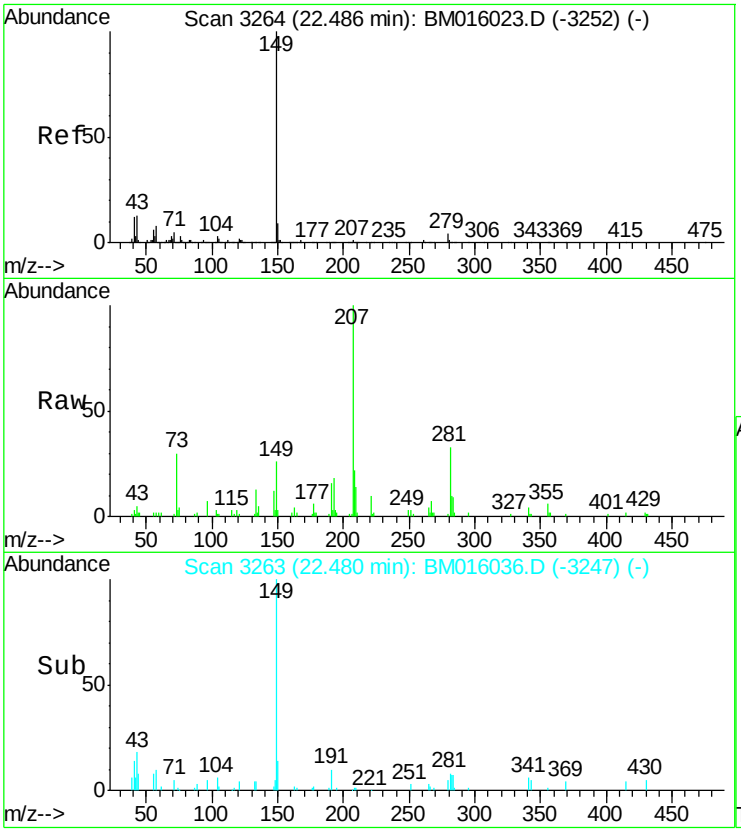


#83
Bis(2-ethylhexyl)phthalate
Concen: 0.715 ng
RT: 21.57 min Scan# 3109
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:149 Resp: 5776

Ion	Ratio	Lower	Upper
149	100		
167	21.3	22.4	33.6#
279	5.4	3.4	5.0#



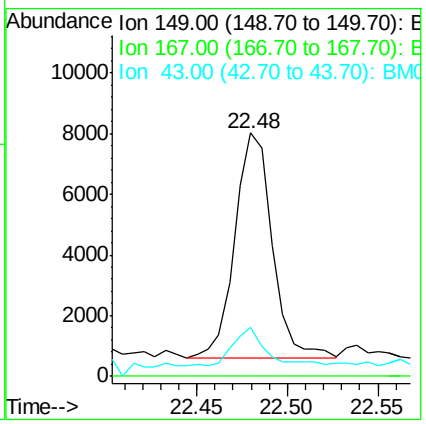


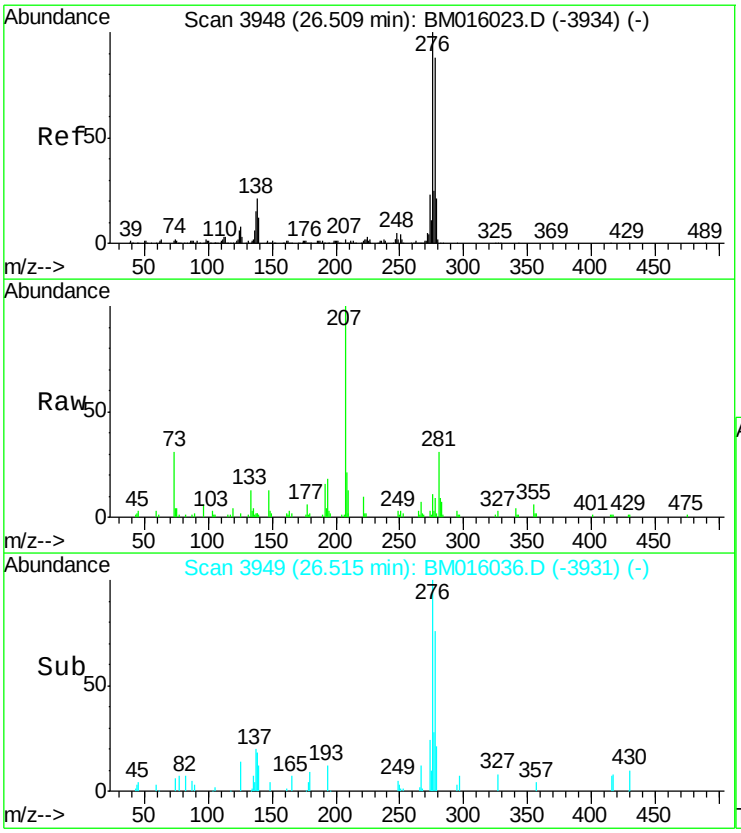
#84
Di-n-octyl phthalate
Concen: 0.788 ng
RT: 22.48 min Scan# 3263
Delta R.T. -0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:149 Resp: 10704

Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.2	1.8#
43	17.5	7.3	10.9#

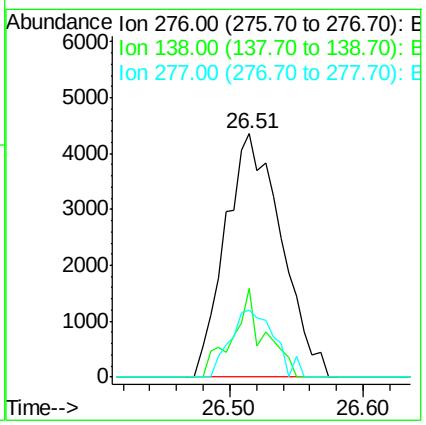


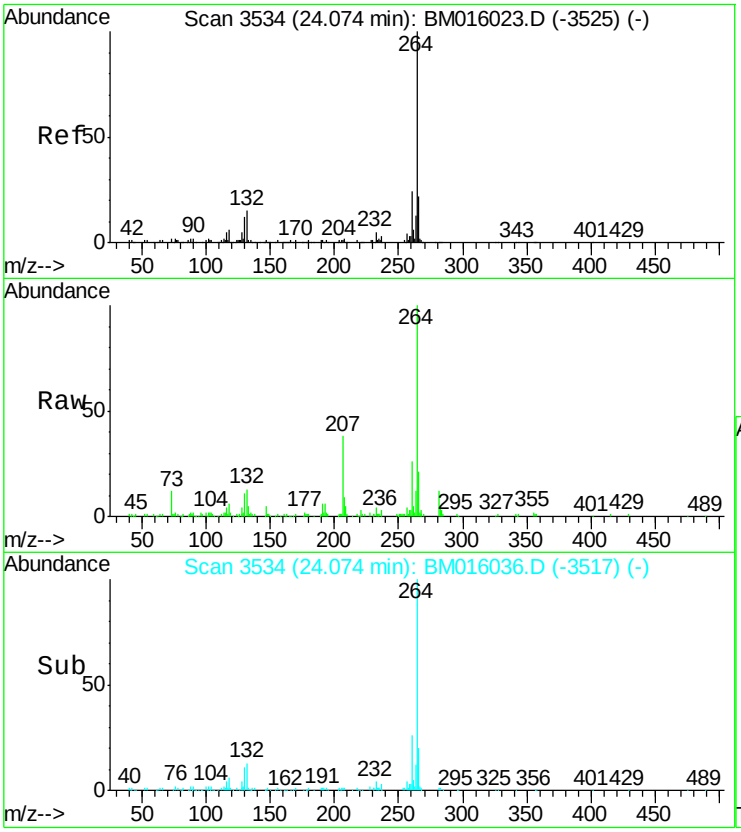


#85
Indeno(1,2,3-cd)pyrene
Concen: 0.990 ng
RT: 26.51 min Scan# 3949
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:276 Resp: 12714

Ion	Ratio	Lower	Upper
276	100		
138	21.2	12.0	18.0#
277	21.7	20.0	30.0



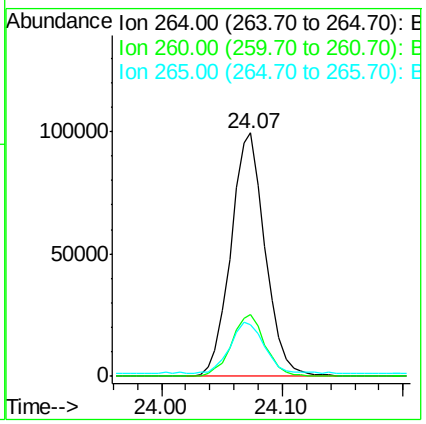


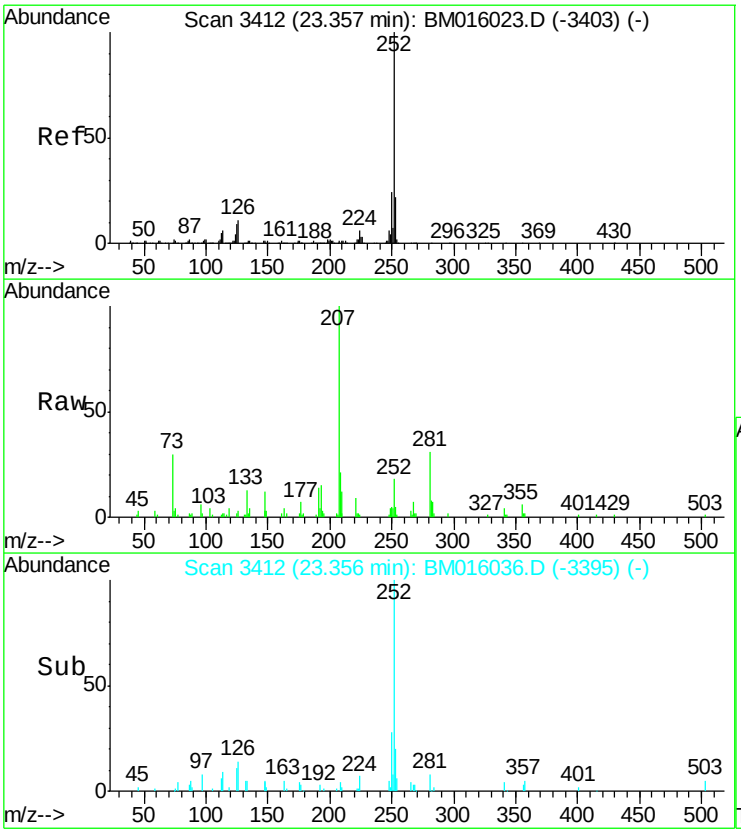
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.07 min Scan# 3534
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:264 Resp: 195976

Ion	Ratio	Lower	Upper
264	100		
260	25.5	18.6	27.8
265	21.4	17.3	25.9

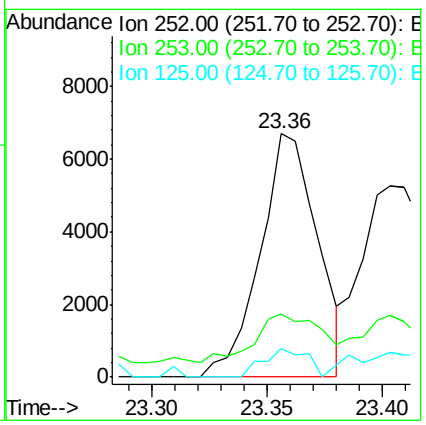


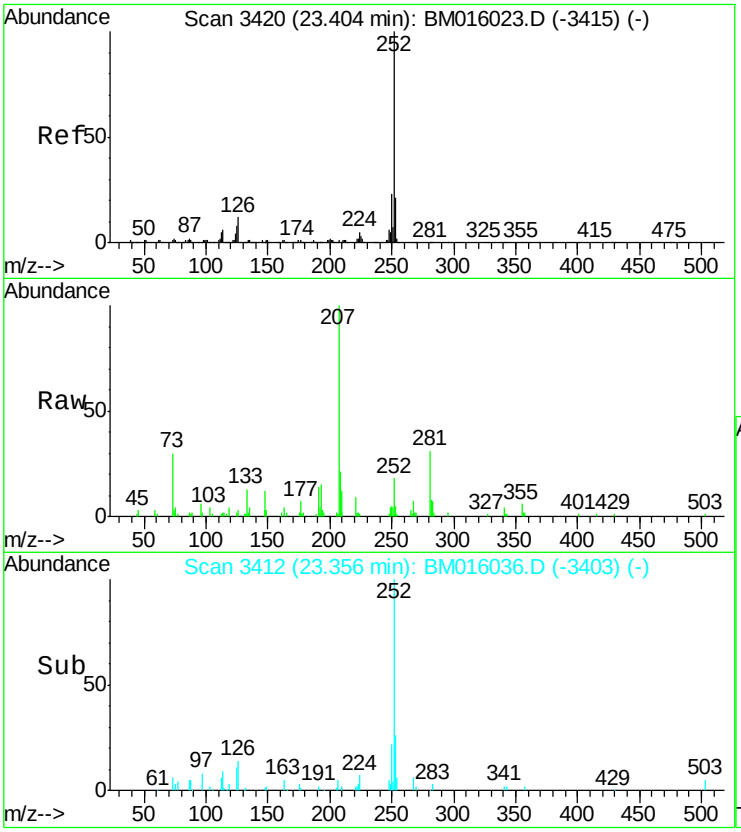


#87
Benzo(b)fluoranthene
Concen: 0.998 ng
RT: 23.36 min Scan# 3412
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:252 Resp: 11513

Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.0	27.0
125	11.5	9.9	14.9



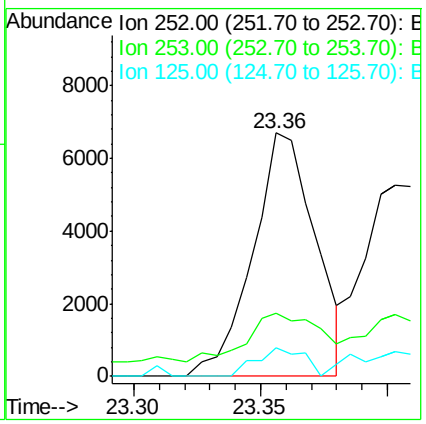


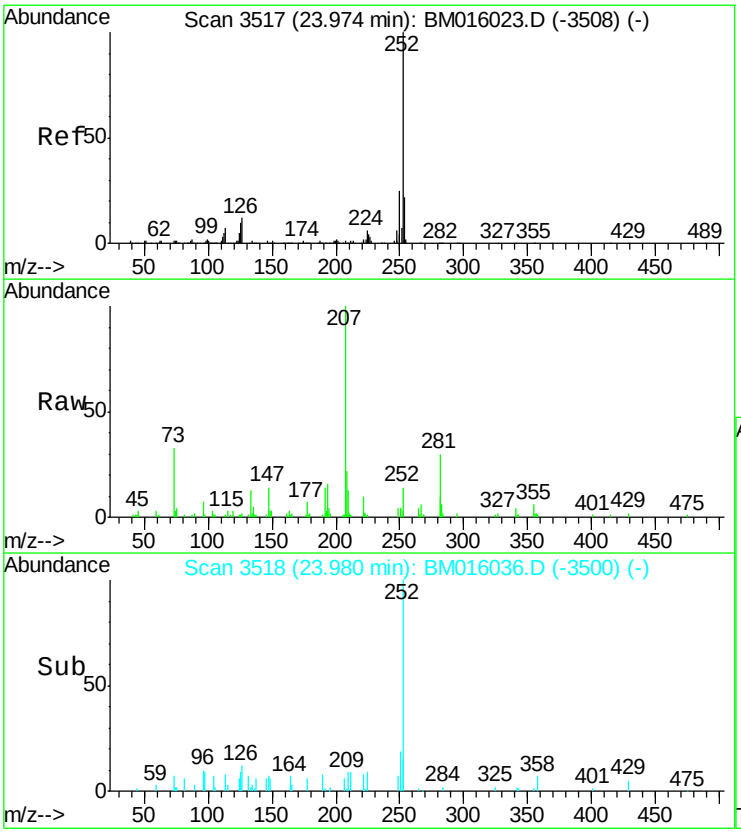
#88
Benzo(k)fluoranthene
Concen: 0.985 ng
RT: 23.36 min Scan# 3412
Delta R.T. -0.05 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:252 Resp: 11513

Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.2	25.8
125	11.5	8.1	12.1

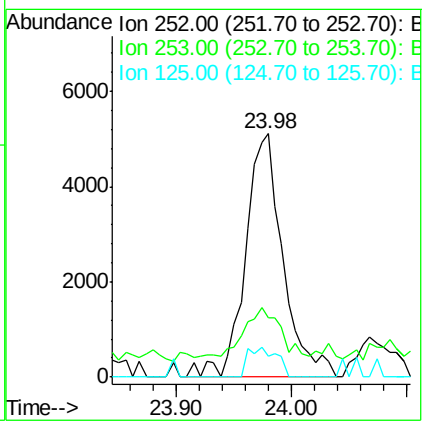


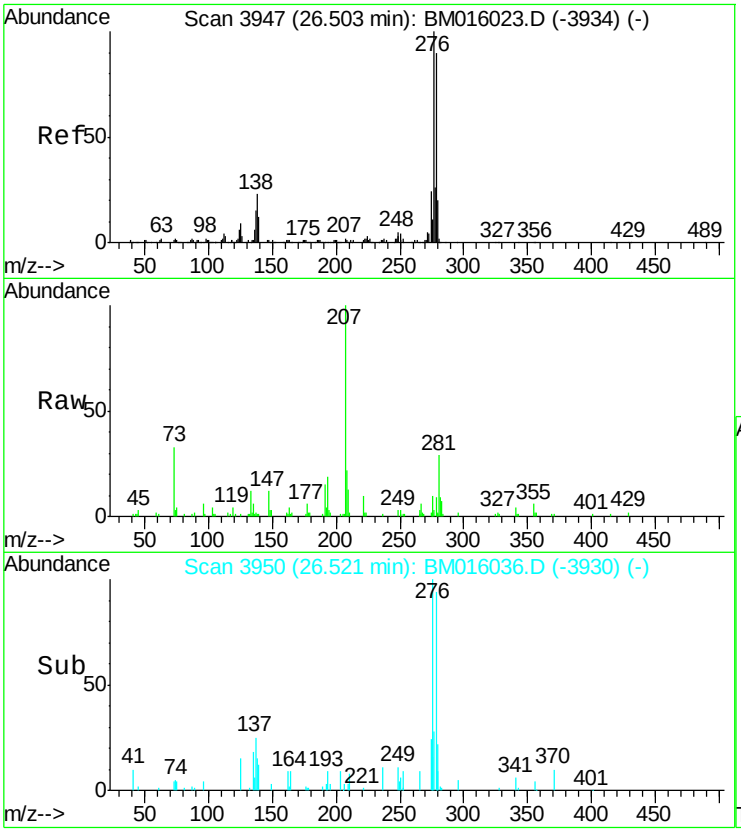


#89
Benzo(a)pyrene
Concen: 1.046 ng
RT: 23.98 min Scan# 3518
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:252 Resp: 11603

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.6	26.4
125	8.8	7.4	11.2



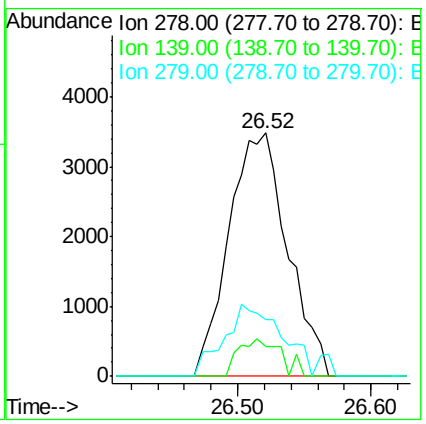


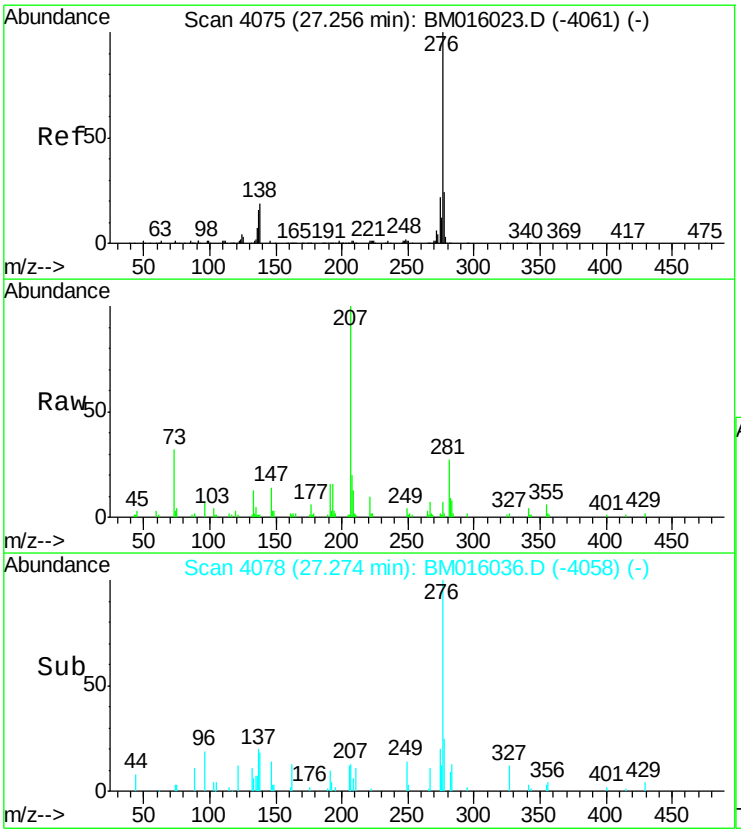
#90
Dibenzo(a,h)anthracene
Concen: 0.924 ng
RT: 26.52 min Scan# 3950
Delta R.T. 0.02 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:278 Resp: 10616

Ion	Ratio	Lower	Upper
278	100		
139	12.5	13.4	20.0#
279	23.1	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 0.995 ng
RT: 27.27 min Scan# 4078
Delta R.T. 0.02 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:276 Resp: 10811

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.5	27.7
138	17.9	19.0	28.6#