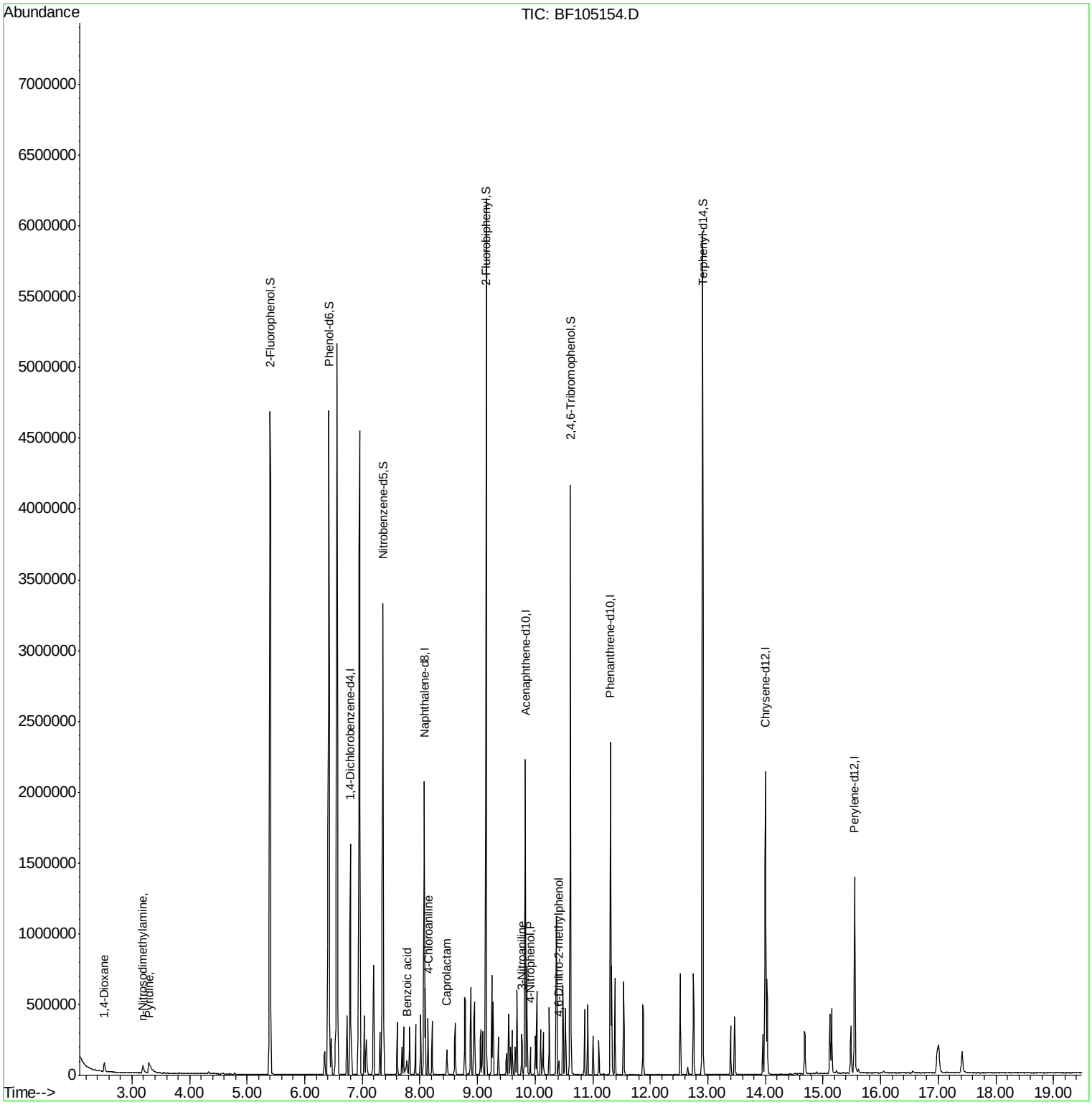
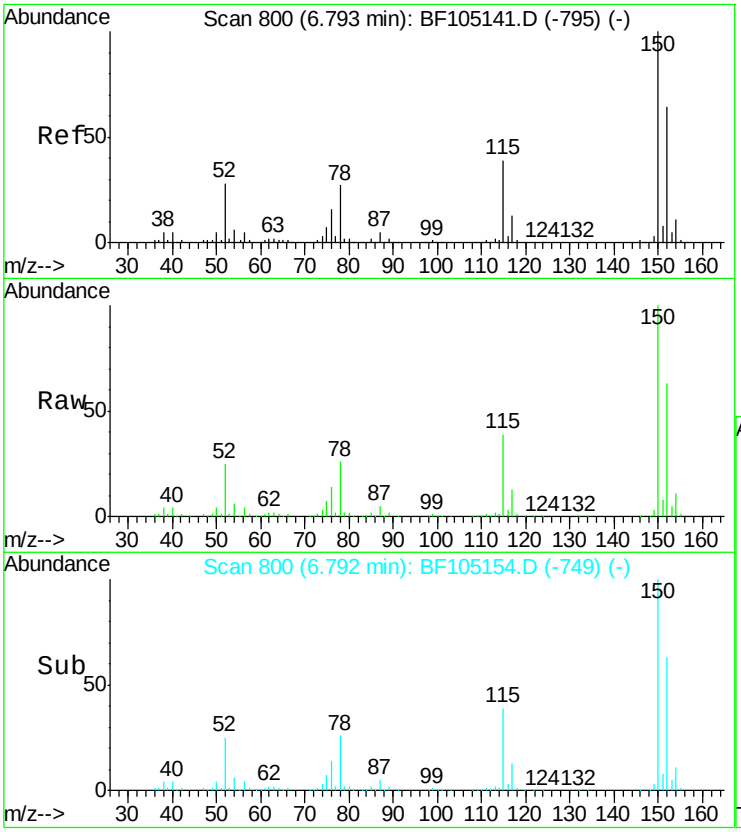
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
Data File : BF105154.D
Acq On : 8 May 2018 19:52
Operator : JU/SJ
Sample : J2133-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: May 09 08:57:41 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 08 16:33:54 2018
Response via : Initial Calibration



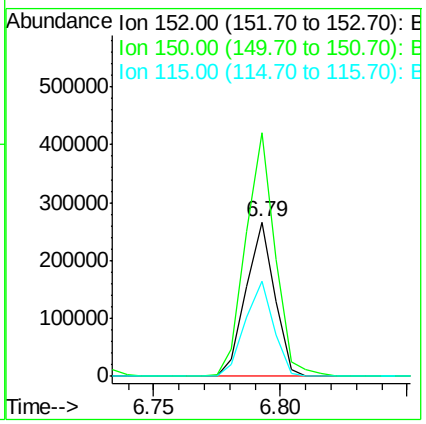


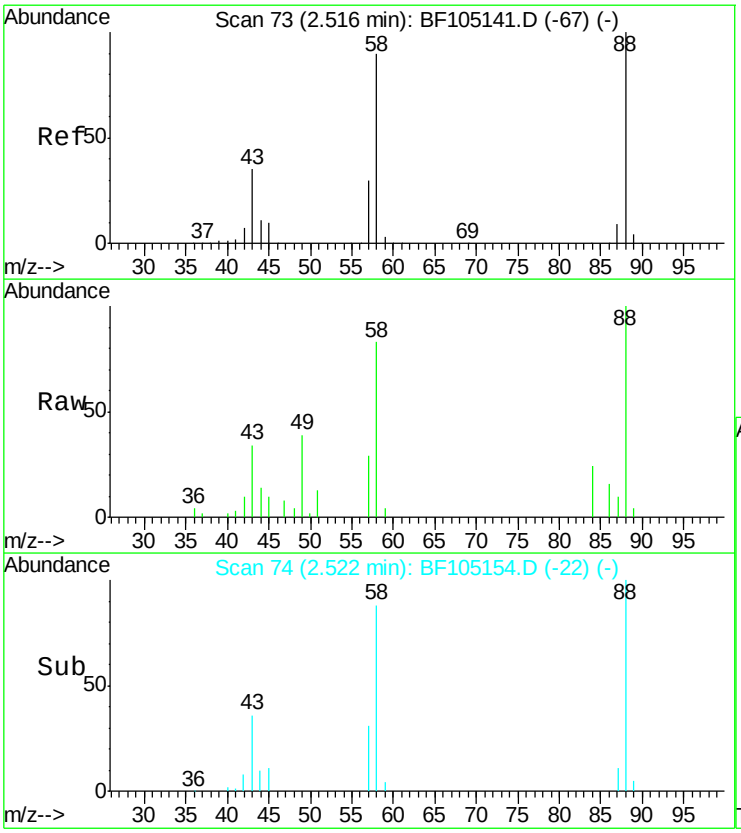
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

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

Tgt Ion:152 Resp: 210563

Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	61.9	50.1	75.1

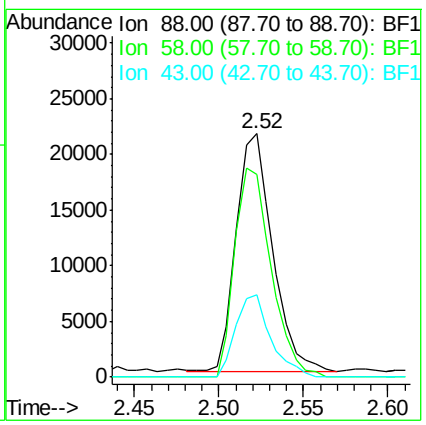


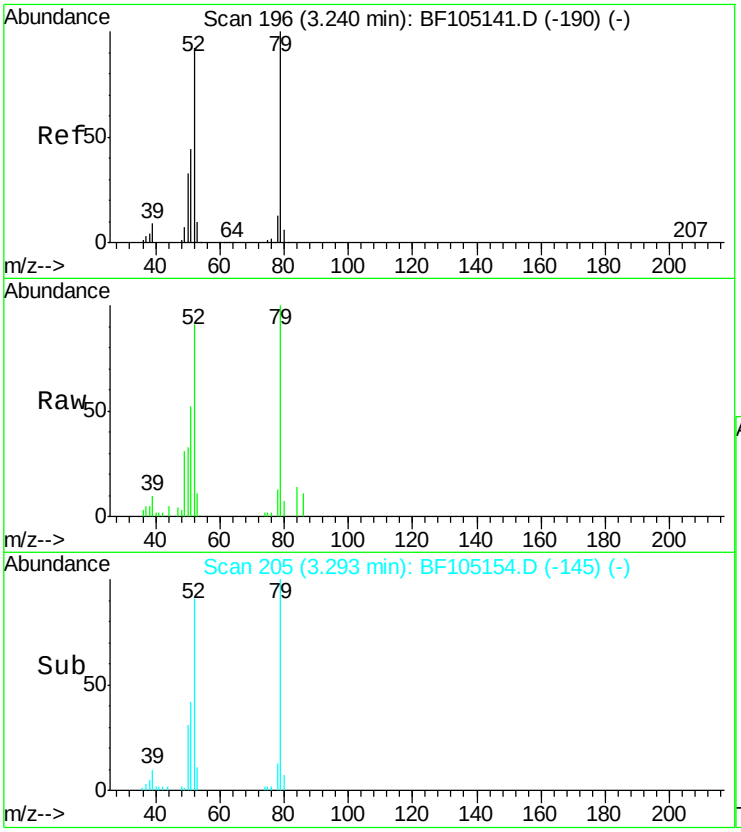


#2
1,4-Dioxane
Concen: 4.738 ng
RT: 2.52 min Scan# 74
Delta R.T. 0.01 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

Tgt Ion: 88 Resp: 32020

Ion	Ratio	Lower	Upper
88	100		
58	88.2	62.6	93.8
43	33.4	24.6	37.0



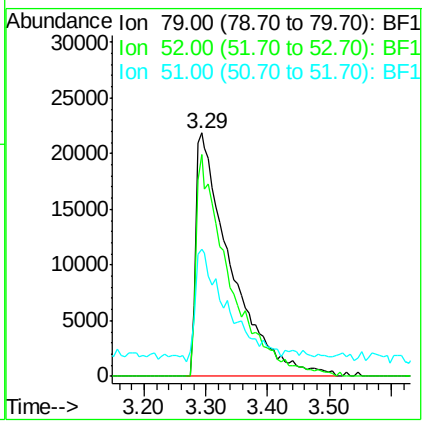


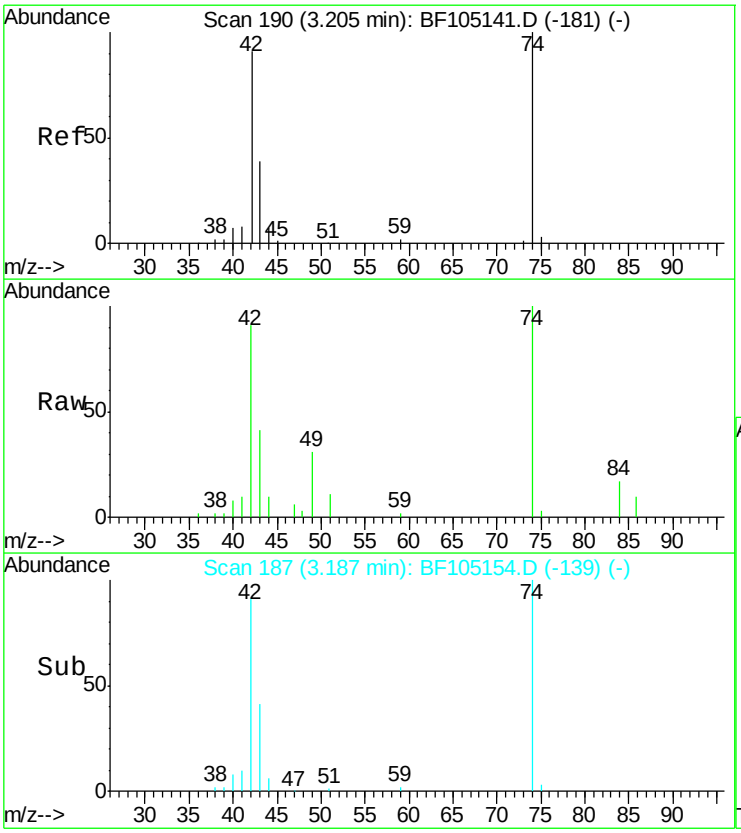
#3
Pyridine
Concen: 4.752 ng
RT: 3.29 min Scan# 205
Delta R.T. 0.05 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

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

Tgt Ion: 79 Resp: 86128

Ion	Ratio	Lower	Upper
79	100		
52	91.0	59.8	89.6#
51	52.3	29.8	44.8#

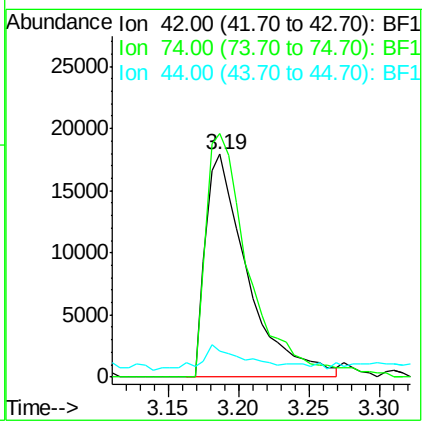


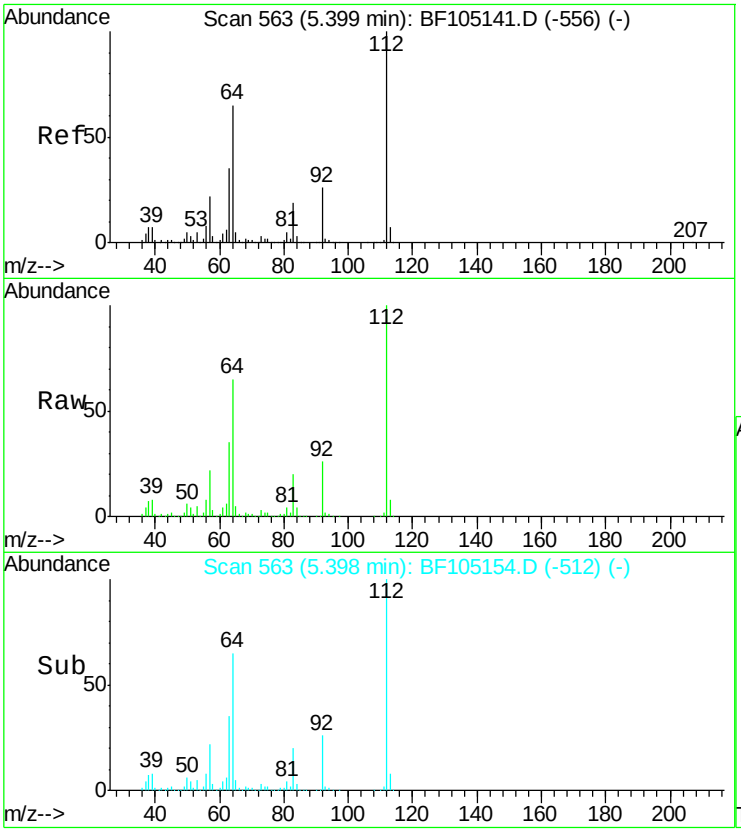


#4
n-Nitrosodimethylamine
Concen: 4.056 ng
RT: 3.19 min Scan# 187
Delta R.T. -0.02 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

Tgt Ion: 42 Resp: 37258

Ion	Ratio	Lower	Upper
42	100		
74	109.3	104.9	157.3
44	11.5	6.9	10.3#



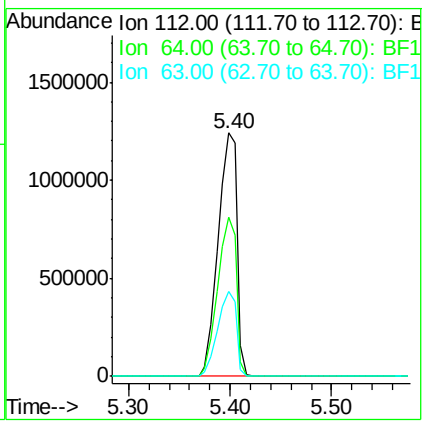


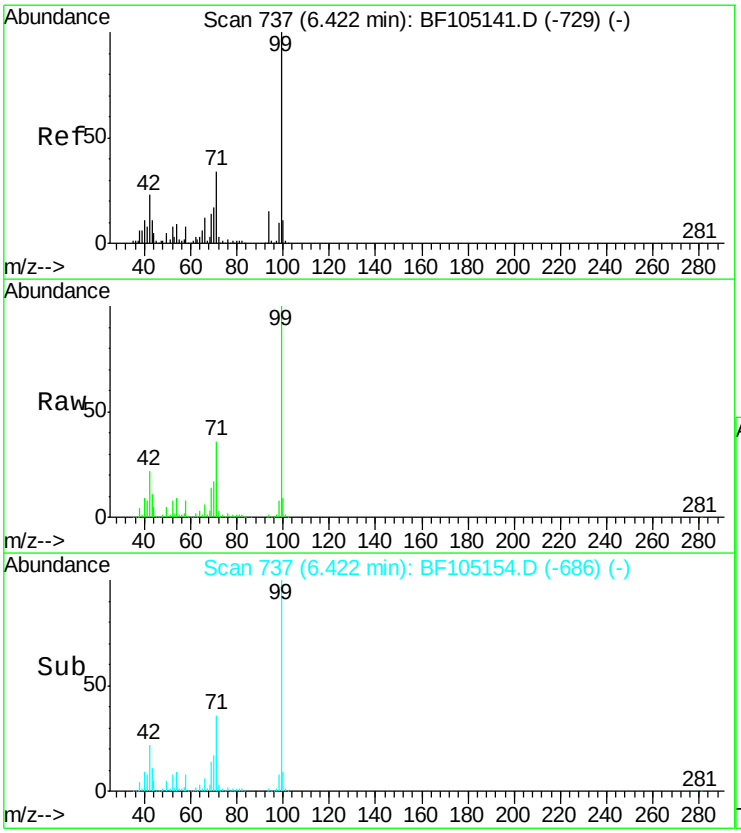
#5
2-Fluorophenol
Concen: 125.313 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.00 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

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

Tgt Ion:112 Resp: 1601660

Ion	Ratio	Lower	Upper
112	100		
64	65.3	47.9	71.9
63	34.7	23.7	35.5

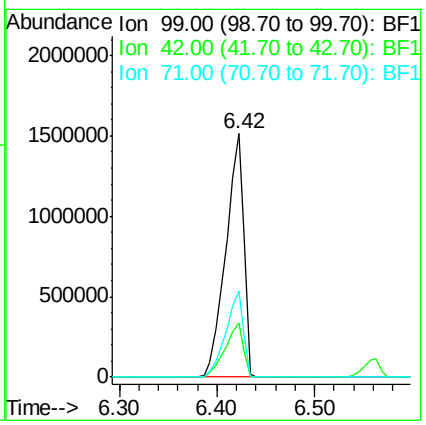


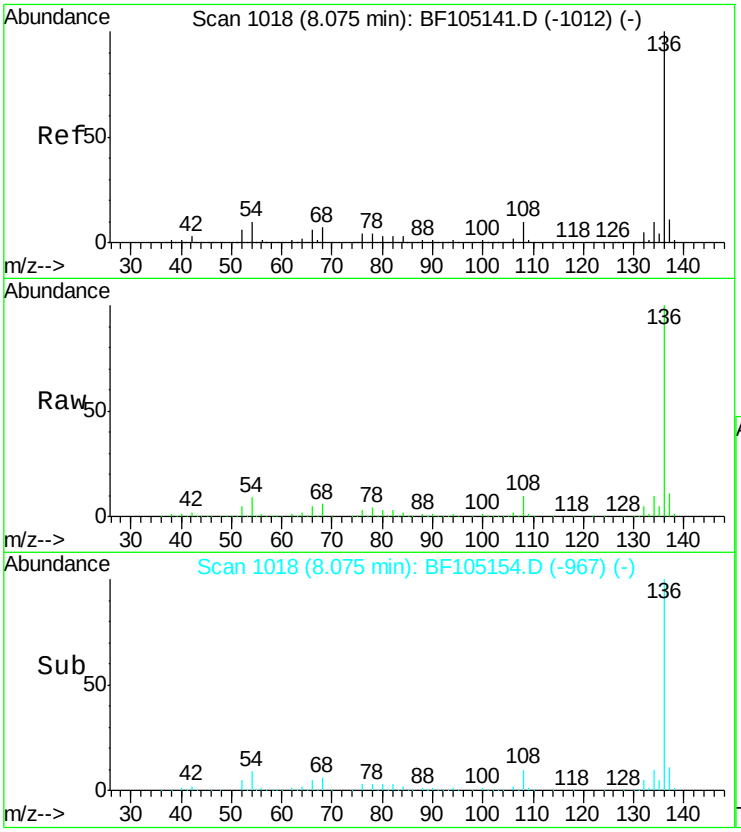


#7
Phenol-d6
Concen: 126.901 ng
RT: 6.42 min Scan# 737
Delta R.T. -0.00 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

Tgt Ion: 99 Resp: 1931270

Ion	Ratio	Lower	Upper
99	100		
42	22.3	14.5	21.7#
71	35.6	25.4	38.0



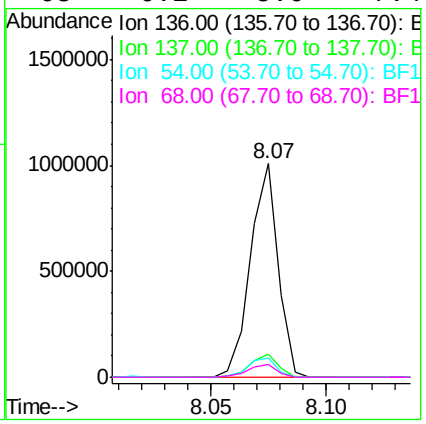


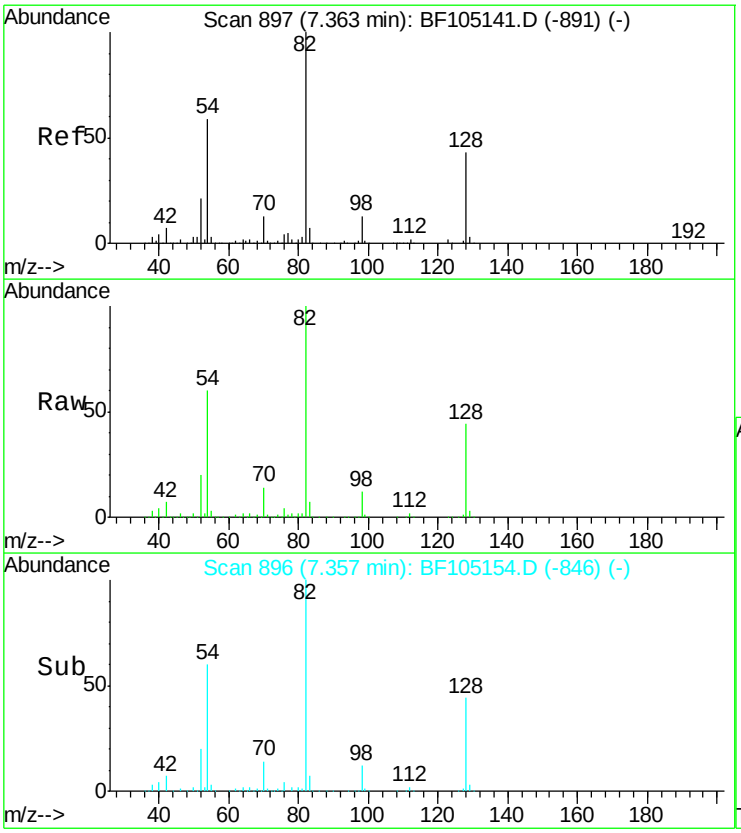
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

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

Tgt Ion:136 Resp: 847466

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.3	6.6	9.8
68	6.2	5.0	7.4

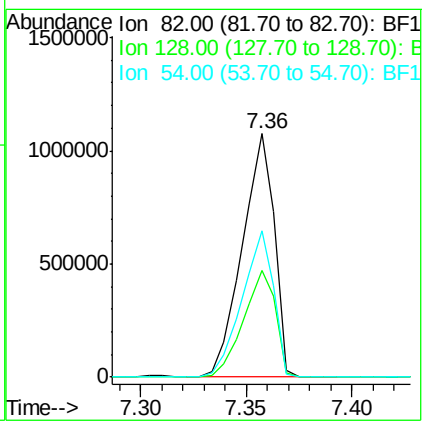


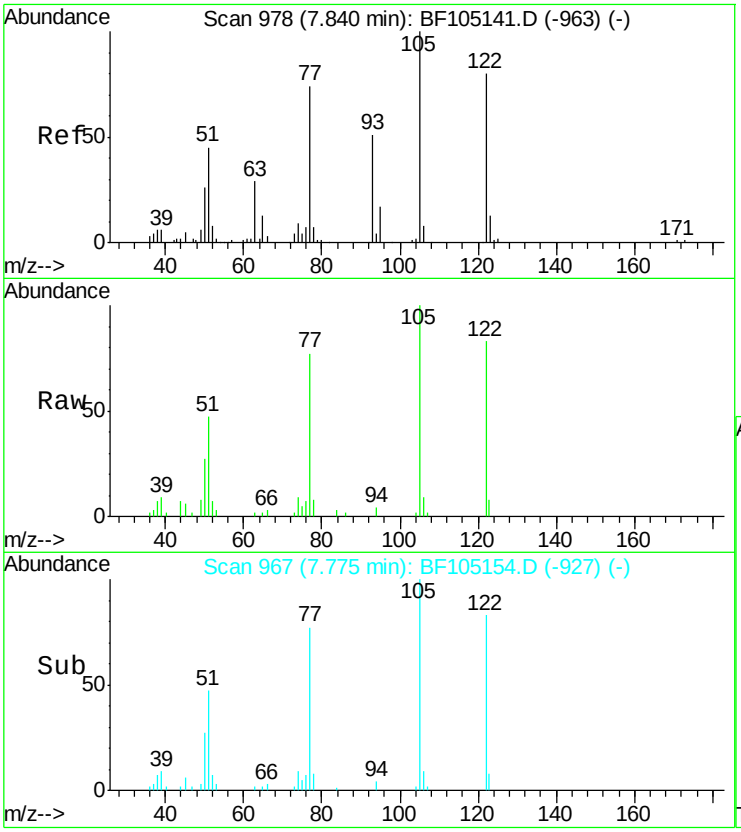


#23
Nitrobenzene-d5
Concen: 90.600 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

Tgt Ion: 82 Resp: 1132896

Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	60.1	41.4	62.2



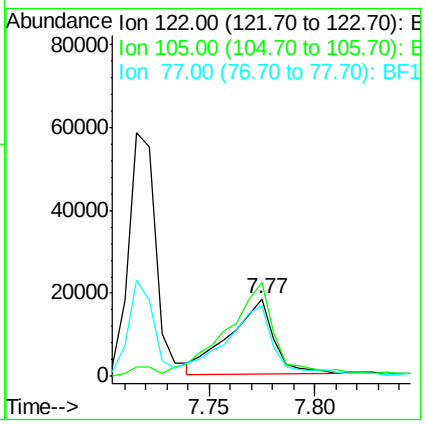


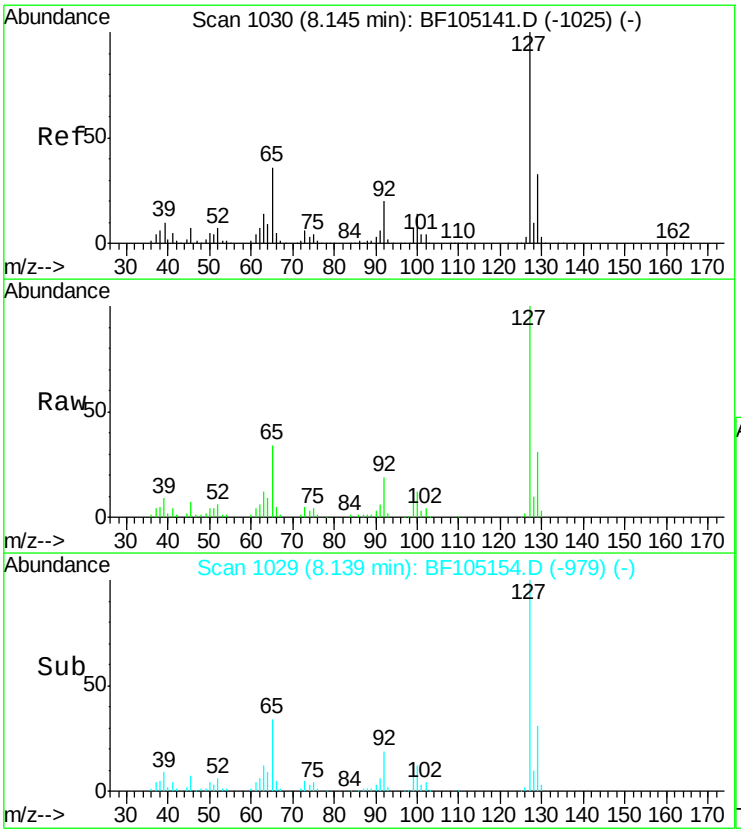
#32
Benzoic acid
Concen: 12.670 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.06 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

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

Tgt Ion:122 Resp: 26795

Ion	Ratio	Lower	Upper
122	100		
105	119.8	101.1	141.1
77	91.7	70.7	110.7

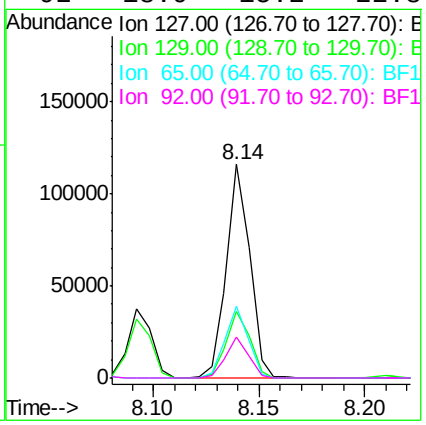


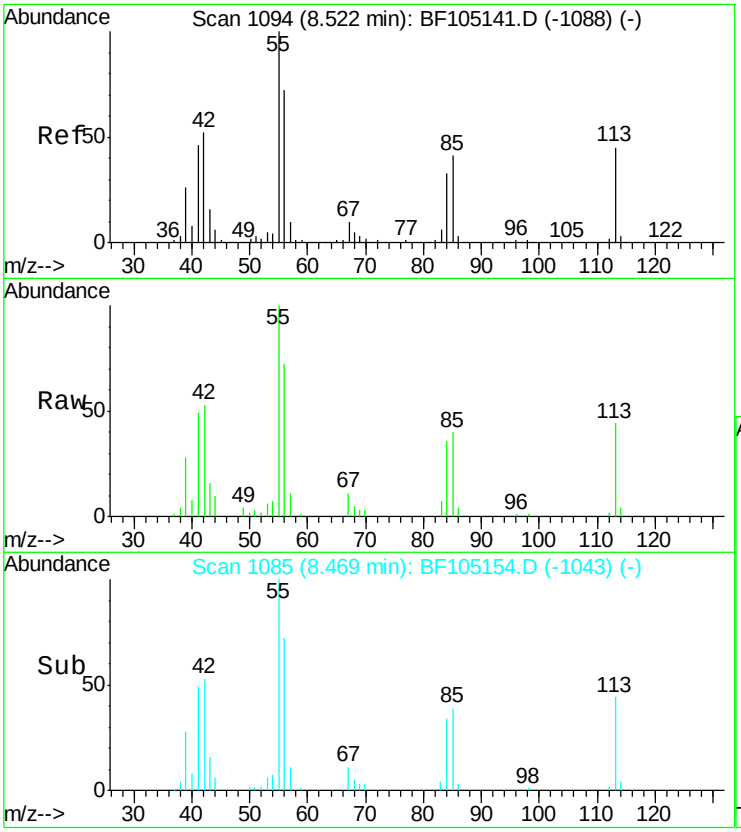


#33
4-Chloroaniline
Concen: 5.232 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

Tgt Ion:127 Resp: 88772

Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.9	38.9
65	33.7	25.0	37.4
92	18.9	15.2	22.8



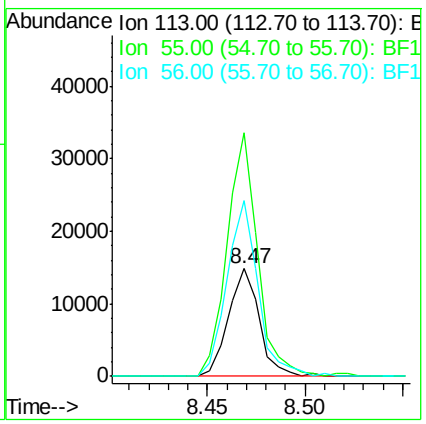


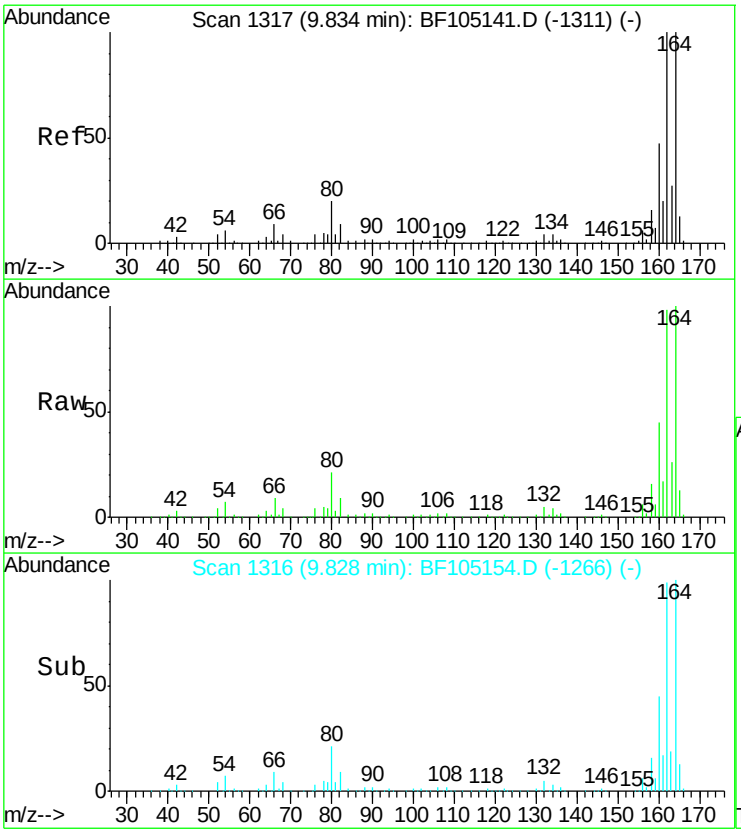
#35
Caprolactam
Concen: 4.614 ng
RT: 8.47 min Scan# 1085
Delta R.T. -0.05 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

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

Tgt Ion:113 Resp: 16293

Ion	Ratio	Lower	Upper
113	100		
55	225.7	163.3	203.3#
56	163.1	115.7	155.7#

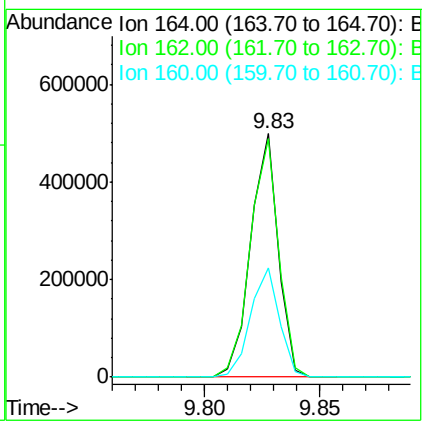


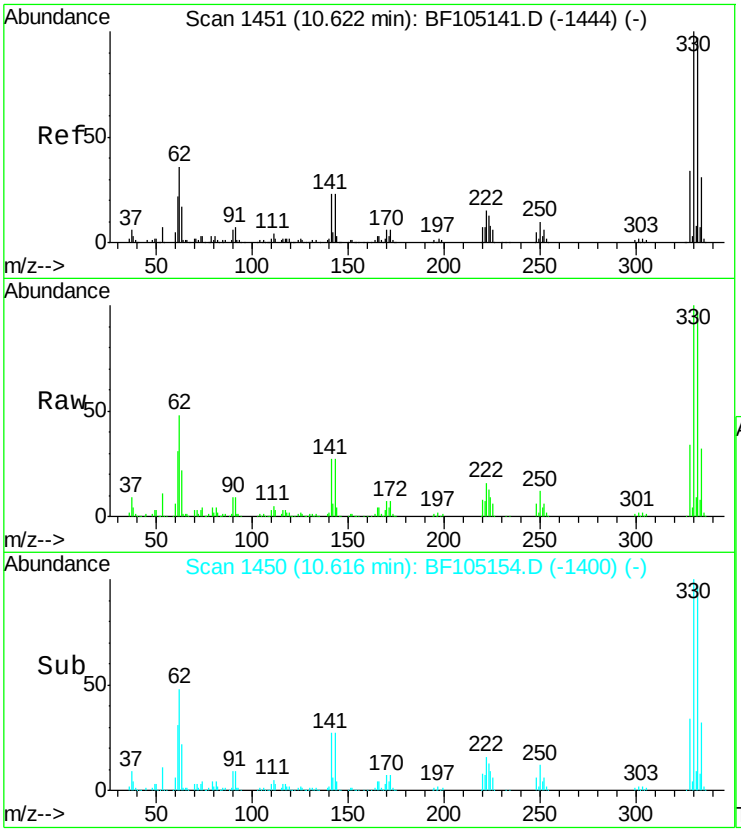


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

Tgt Ion:164 Resp: 417258

Ion	Ratio	Lower	Upper
164	100		
162	98.1	86.1	129.1
160	45.0	38.3	57.5



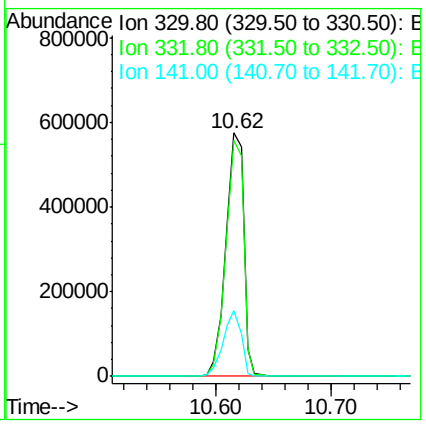


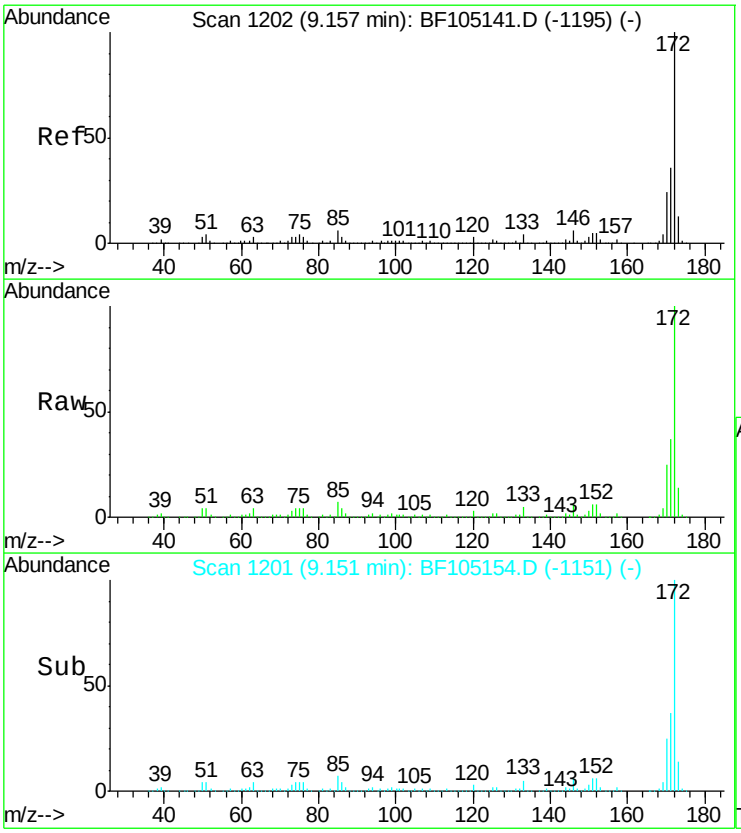
#41
2,4,6-Tribromophenol
Concen: 134.363 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

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

Tgt Ion:330 Resp: 618541

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	26.7	29.9	44.9#

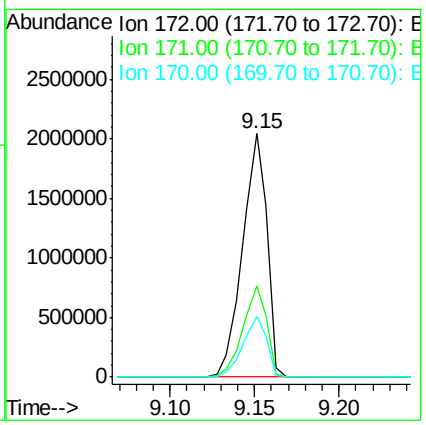


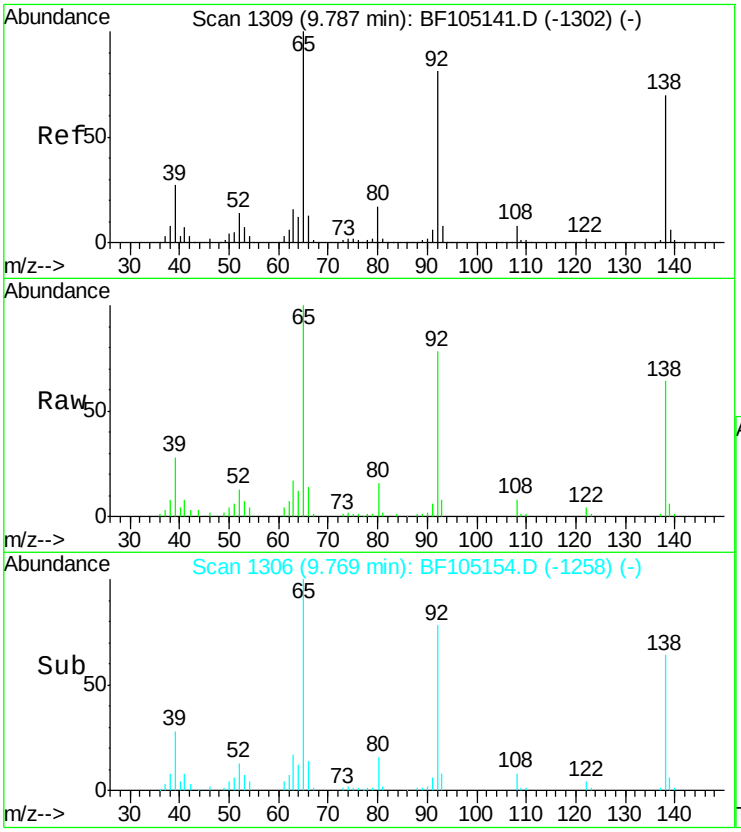


#44
2-Fluorobiphenyl
Concen: 76.623 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

Tgt Ion:172 Resp: 2059892

Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.7	44.5
170	25.1	19.6	29.4



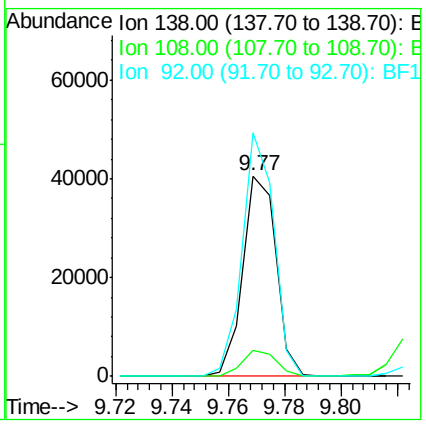


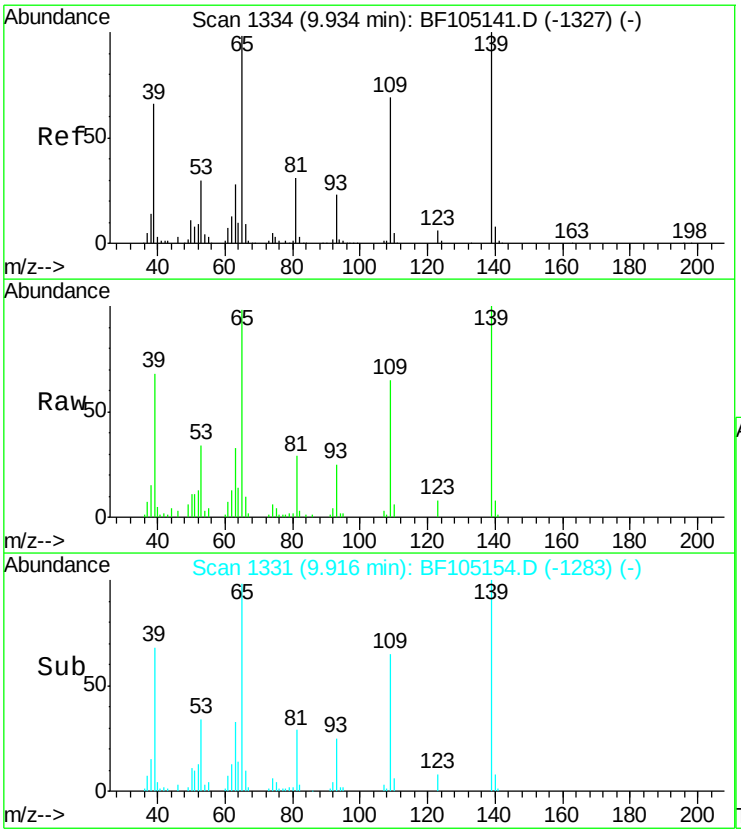
#52
3-Nitroaniline
Concen: 5.145 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

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

Tgt Ion:138 Resp: 33214

Ion	Ratio	Lower	Upper
138	100		
108	13.0	9.4	14.0
92	121.7	89.4	134.2

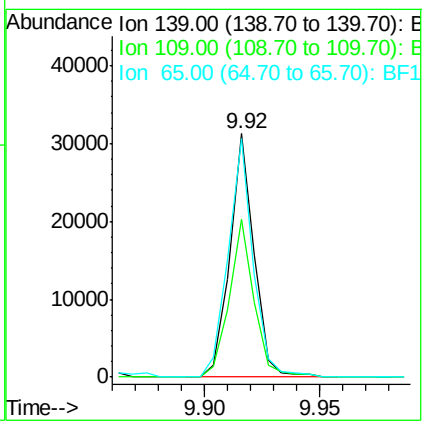


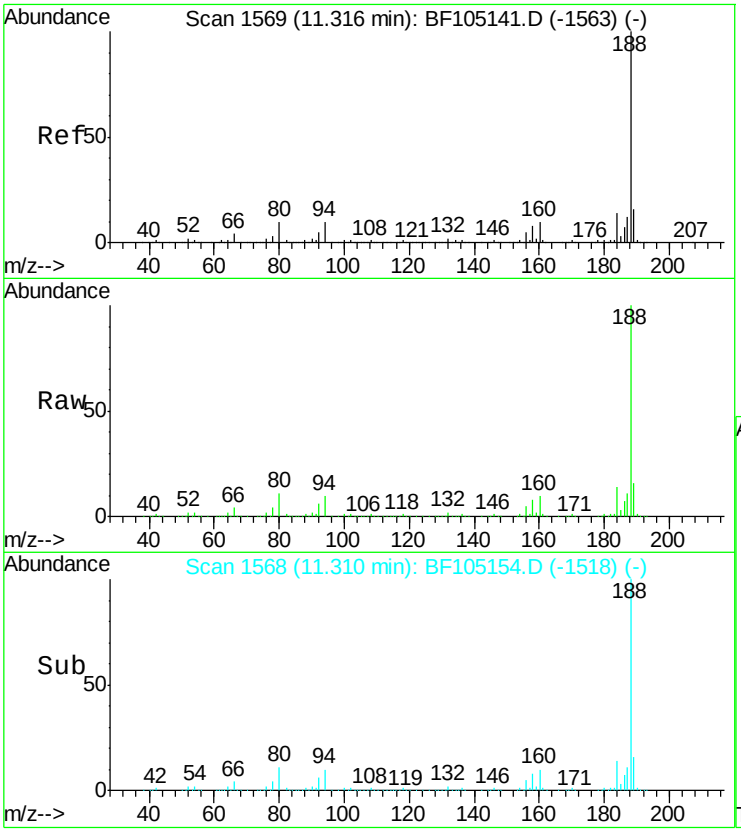


#55
4-Nitrophenol
Concen: 8.012 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

Tgt Ion:139 Resp: 22792

Ion	Ratio	Lower	Upper
139	100		
109	64.7	48.4	88.4
65	97.7	72.6	112.6



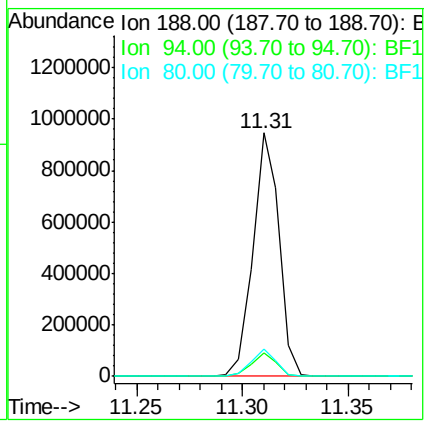


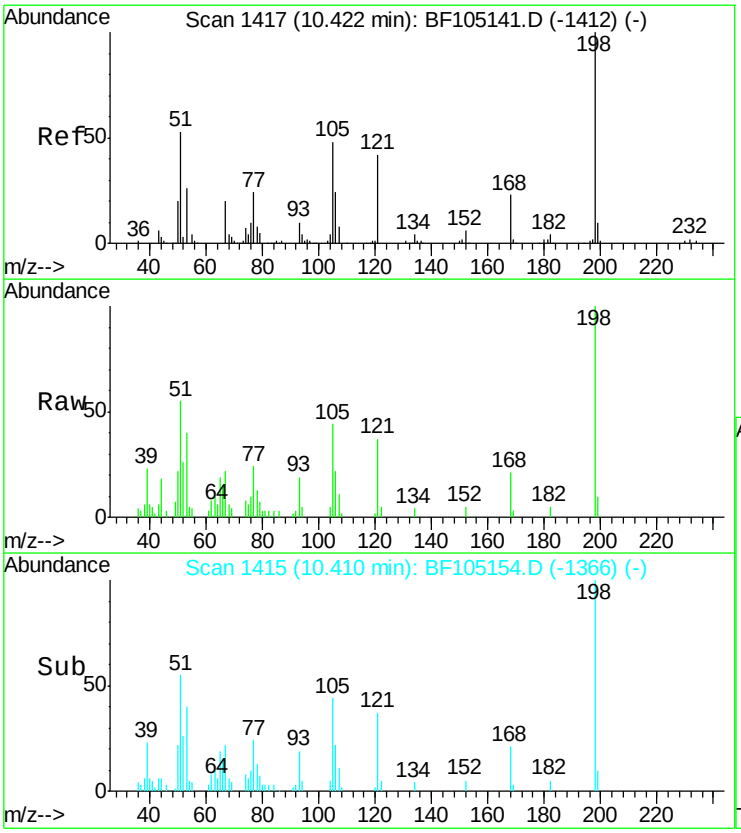
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

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

Tgt Ion:188 Resp: 809814

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	11.1	9.2	13.8

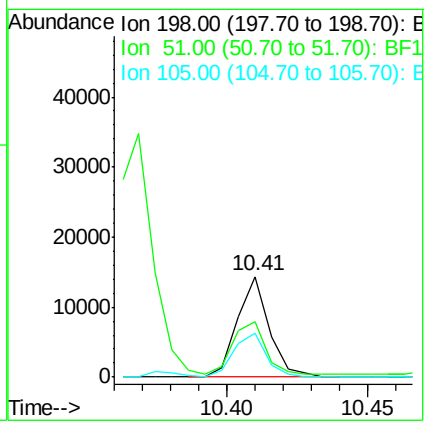


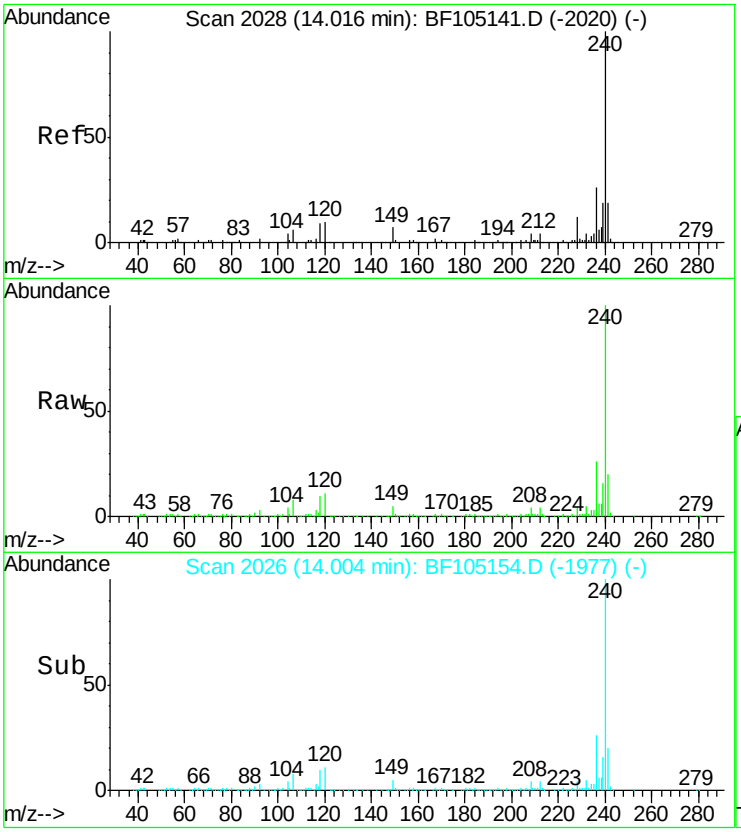


#64
4,6-Dinitro-2-methylphenol
Concen: 12.540 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

Tgt Ion:198 Resp: 11165

Ion	Ratio	Lower	Upper
198	100		
51	55.1	37.7	77.7
105	44.1	36.3	76.3



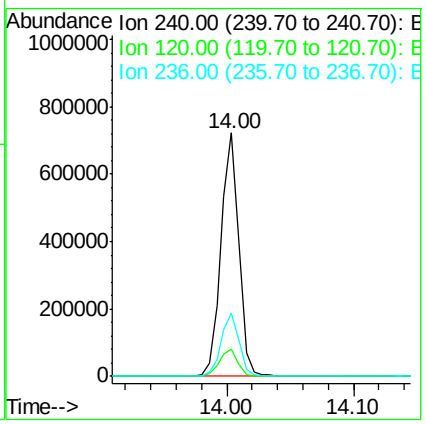


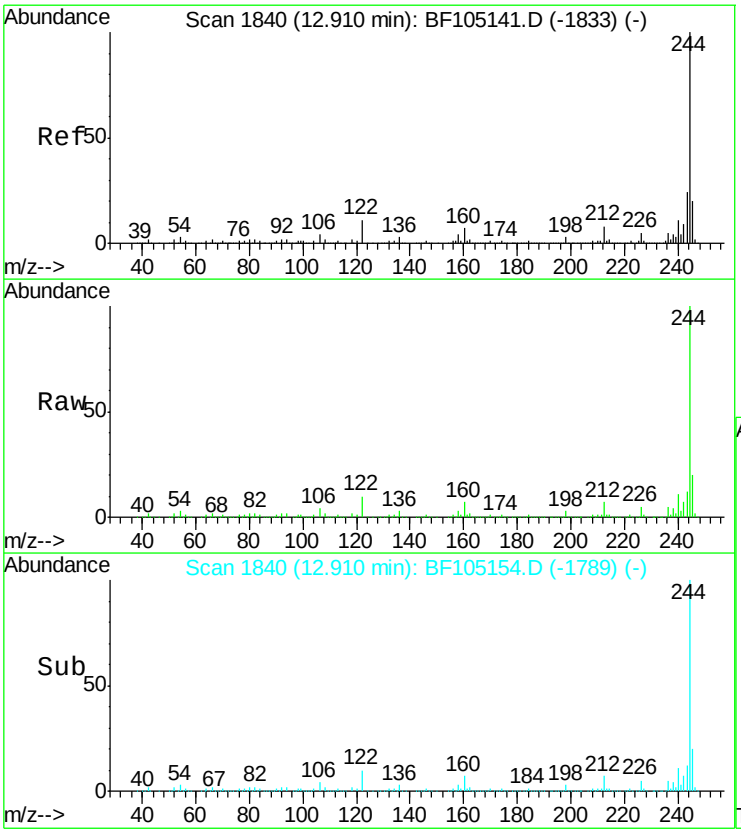
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

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

Tgt Ion:240 Resp: 708057

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.5	14.3
236	26.1	20.7	31.1

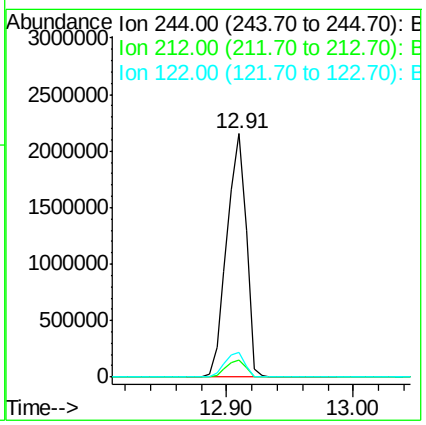


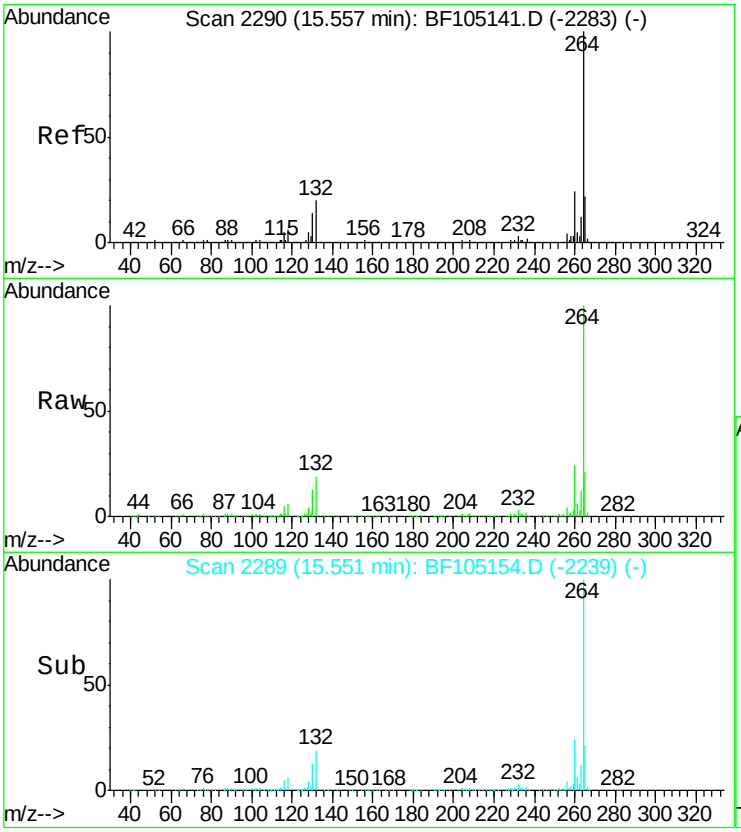


#78
Terphenyl-d14
Concen: 74.530 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

Tgt Ion:244 Resp: 2271841

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	10.1	11.0	16.4#



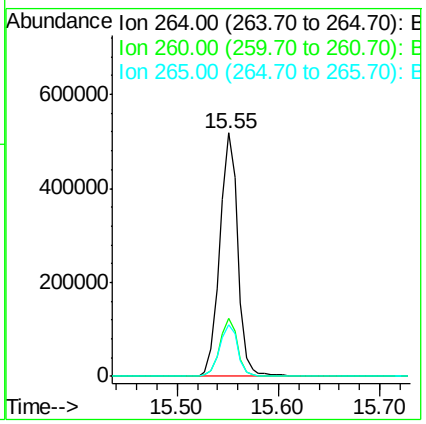


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF105154.D
Acq: 8 May 2018 19:52

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

Tgt Ion:264 Resp: 640493

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.3	17.5	26.3



Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
Data File : BF105154.D
Acq On : 8 May 2018 19:52
Operator : JU/SJ
Sample : J2133-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: May 09 08:57:41 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 08 16:33:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	210563	20.00	ng		0.00
21) Naphthalene-d8	8.07	136	847466	20.00	ng		0.00
38) Acenaphthene-d10	9.83	164	417258	20.00	ng		0.00
63) Phenanthrene-d10	11.31	188	809814	20.00	ng		0.00
75) Chrysene-d12	14.00	240	708057	20.00	ng		-0.01
86) Perylene-d12	15.55	264	640493	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	1601660	125.31	ng		0.00
7) Phenol-d6	6.42	99	1931270	126.90	ng		0.00
23) Nitrobenzene-d5	7.36	82	1132896	90.60	ng		0.00
41) 2,4,6-Tribromophenol	10.62	330	618541	134.36	ng		0.00
44) 2-Fluorobiphenyl	9.15	172	2059892	76.62	ng		0.00
78) Terphenyl-d14	12.91	244	2271841	74.53	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.52	88	32020	4.738	ng		90
3) Pyridine	3.29	79	86128	4.752	ng	#	79
4) n-Nitrosodimethylamine	3.19	42	37258	4.056	ng	#	82
32) Benzoic acid	7.77	122	26795	12.670	ng		99
33) 4-Chloroaniline	8.14	127	88772	5.232	ng		98
35) Caprolactam	8.47	113	16293	4.614	ng	#	73
52) 3-Nitroaniline	9.77	138	33214	5.145	ng		91
55) 4-Nitrophenol	9.92	139	22792	8.012	ng		95
64) 4,6-Dinitro-2-methylphenol	10.41	198	11165	12.540	ng		90

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