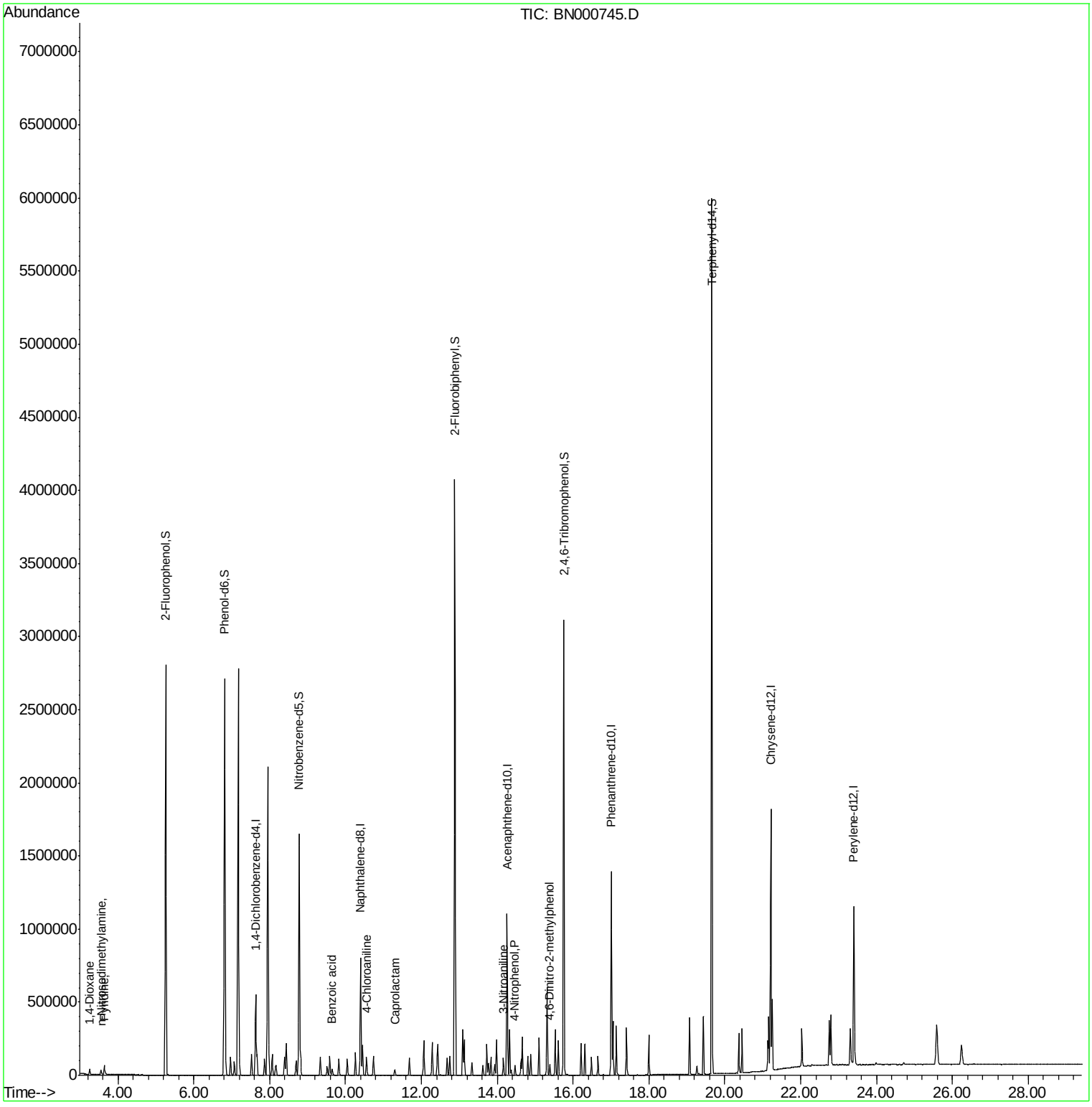
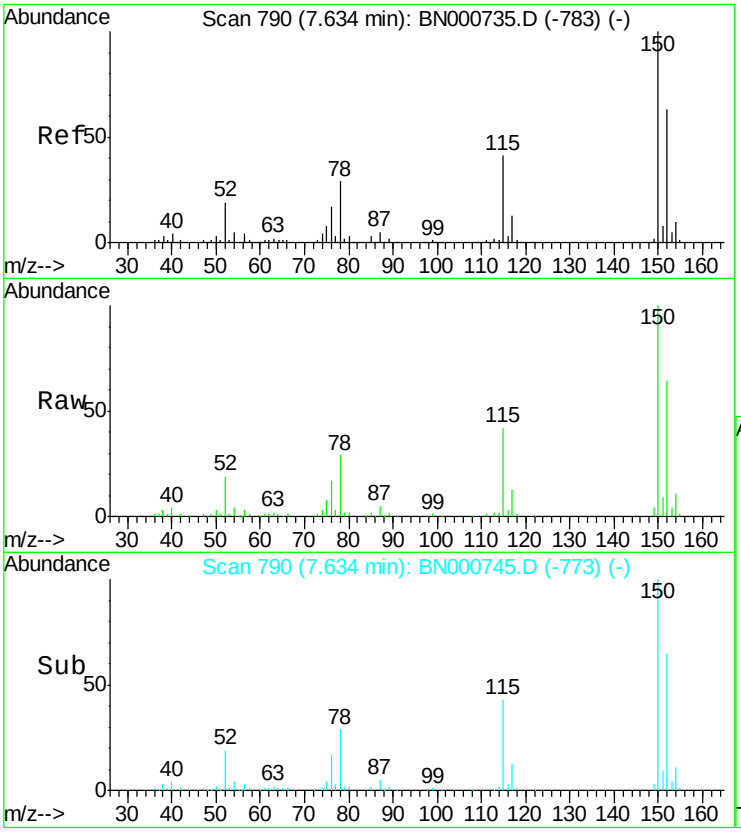
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\
Data File : BN000745.D
Acq On : 18 Apr 2018 18:31
Operator : JU/SJ
Sample : J2133-01
Misc : 5PPM LOD
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Apr 19 04:57:42 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN041818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 18 16:58:01 2018
Response via : Initial Calibration



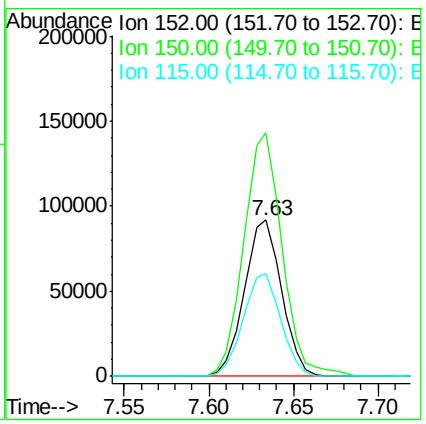


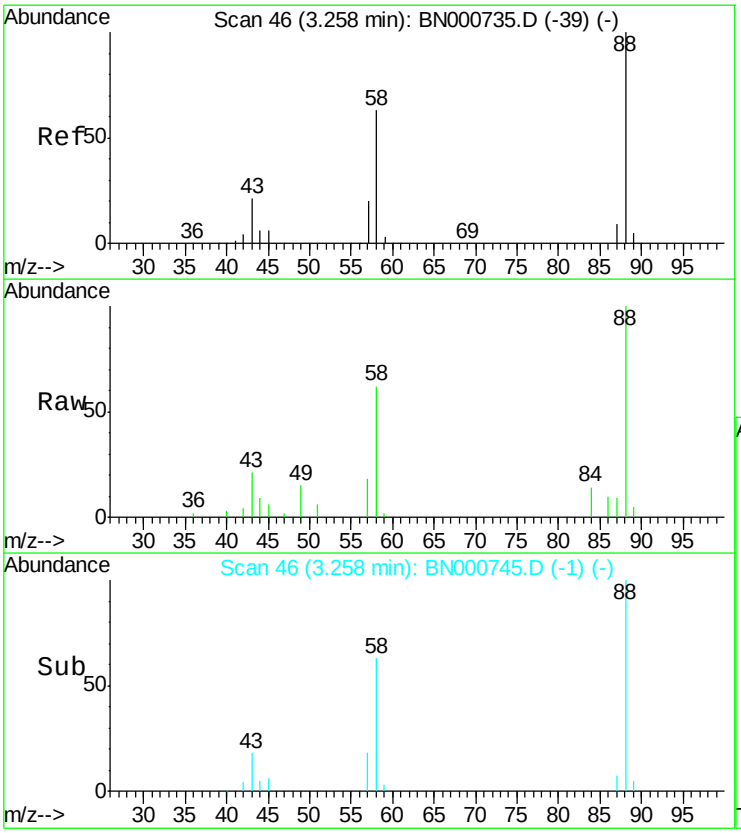
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 790
Delta R.T. -0.00 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

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

Tgt Ion:152 Resp: 140924

Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.6	189.8
115	65.7	53.0	79.4

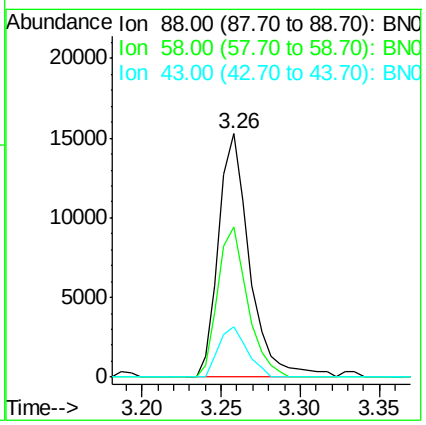


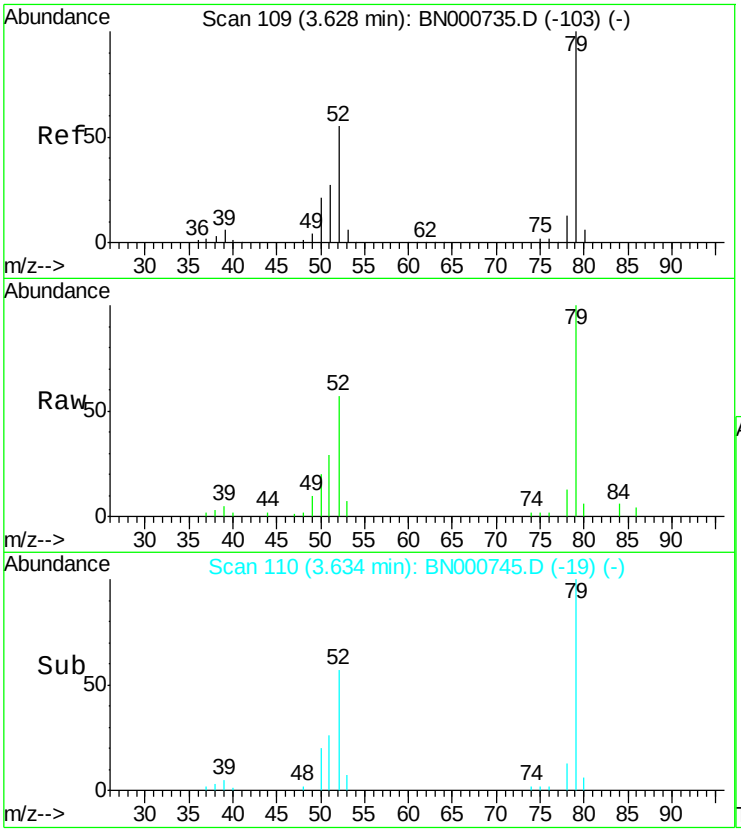


#2
1,4-Dioxane
Concen: 4.786 ng
RT: 3.26 min Scan# 46
Delta R.T. -0.00 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

Tgt Ion: 88 Resp: 20826

Ion	Ratio	Lower	Upper
88	100		
58	59.2	52.0	78.0
43	18.8	20.0	30.0#



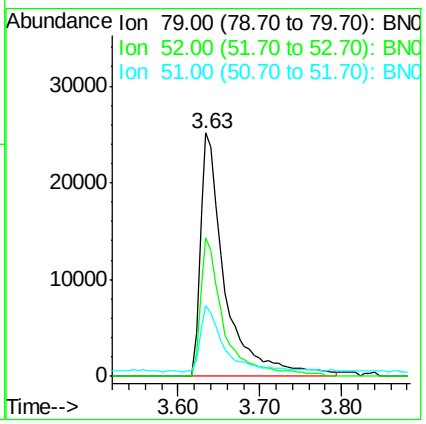


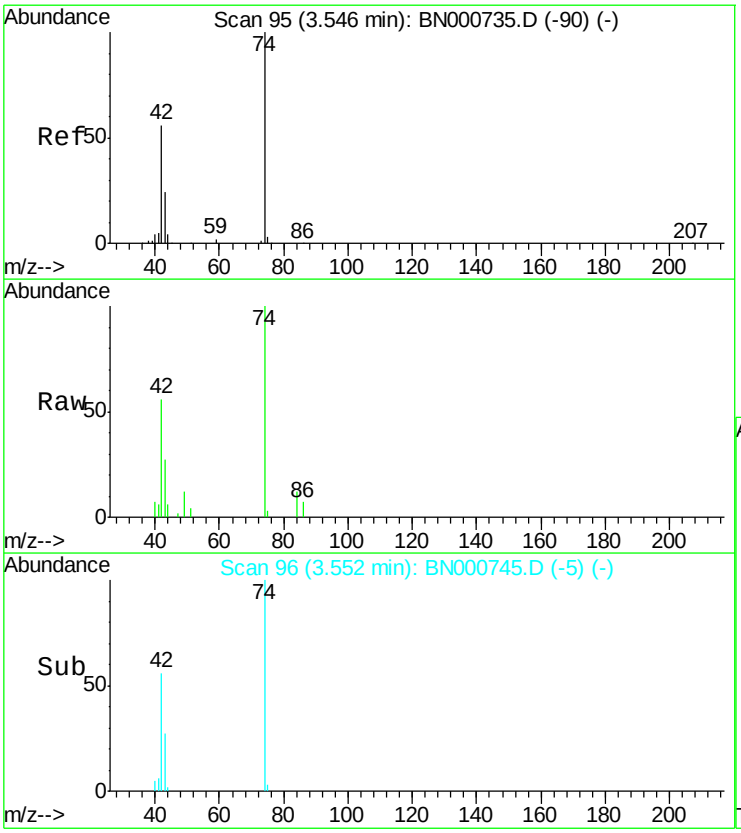
#3
Pyridine
Concen: 4.590 ng
RT: 3.63 min Scan# 110
Delta R.T. 0.01 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

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

Tgt Ion: 79 Resp: 52610

Ion	Ratio	Lower	Upper
79	100		
52	57.0	44.0	66.0
51	29.3	24.0	36.0

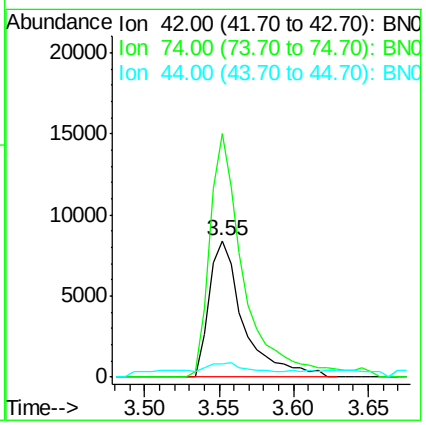


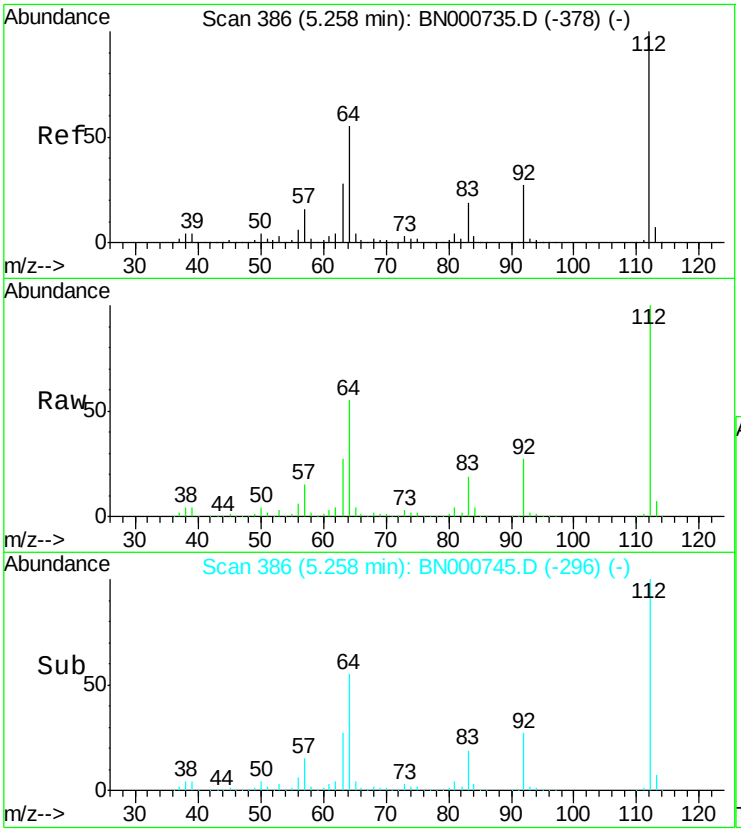


#4
n-Nitrosodimethylamine
Concen: 4.268 ng
RT: 3.55 min Scan# 96
Delta R.T. 0.01 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

Tgt Ion: 42 Resp: 13453

Ion	Ratio	Lower	Upper
42	100		
74	178.8	128.0	192.0
44	10.1	12.0	18.0#



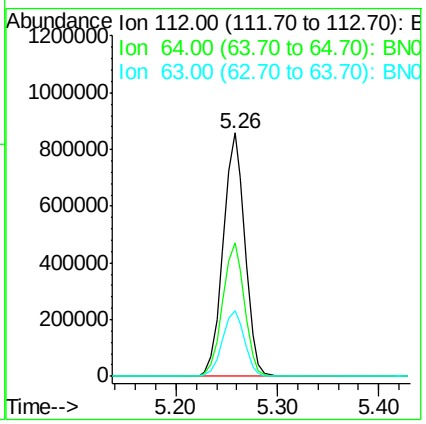


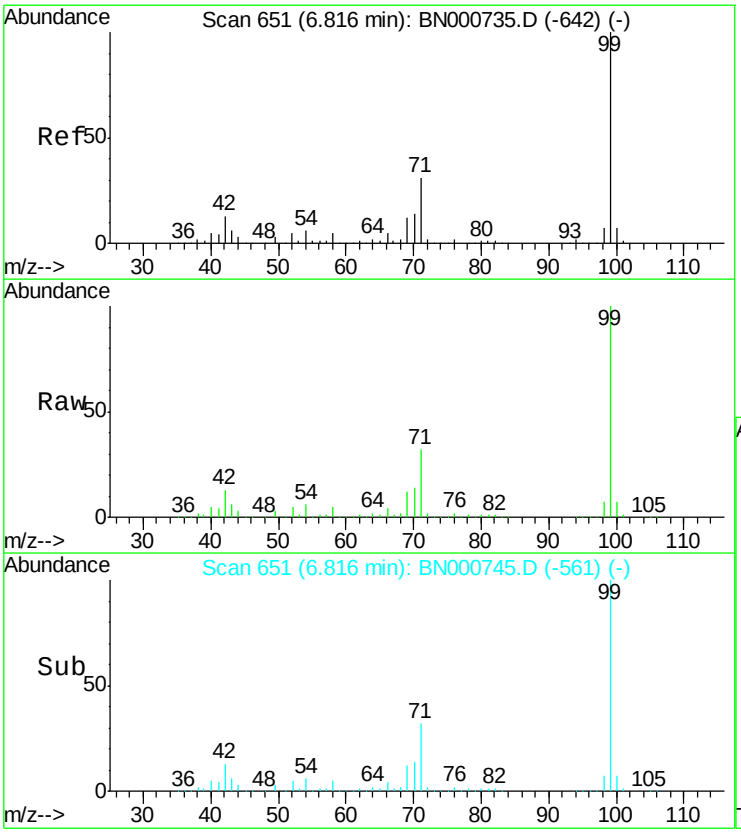
#5
2-Fluorophenol
Concen: 134.305 ng
RT: 5.26 min Scan# 386
Delta R.T. -0.00 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

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

Tgt Ion:112 Resp: 1274118

Ion	Ratio	Lower	Upper
112	100		
64	54.7	56.3	84.5#
63	27.2	30.1	45.1#

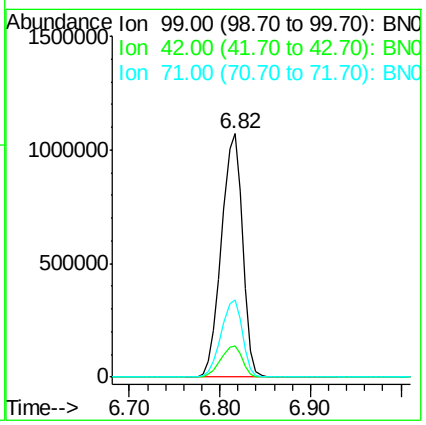


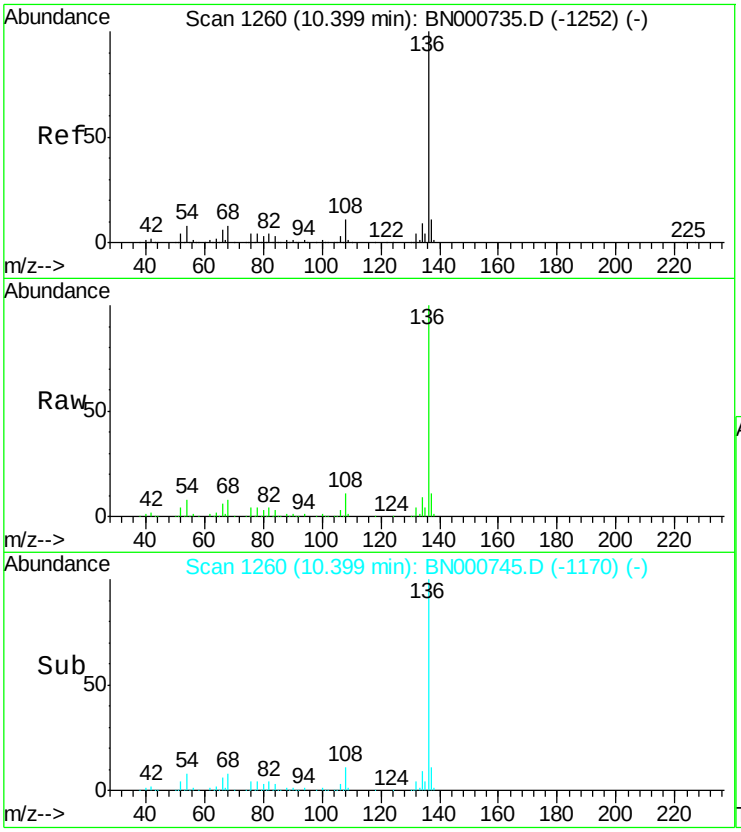


#7
Phenol-d6
Concen: 134.010 ng
RT: 6.82 min Scan# 651
Delta R.T. -0.00 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

Tgt Ion: 99 Resp: 1732459

Ion	Ratio	Lower	Upper
99	100		
42	12.7	14.1	21.1#
71	31.7	26.1	39.1



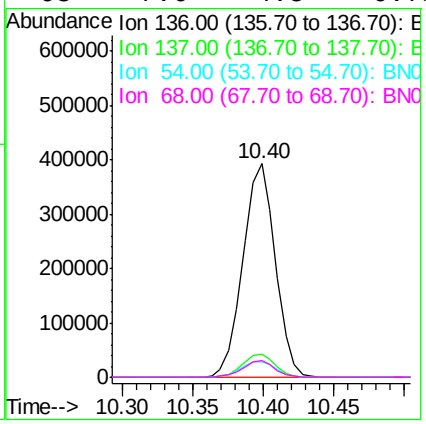


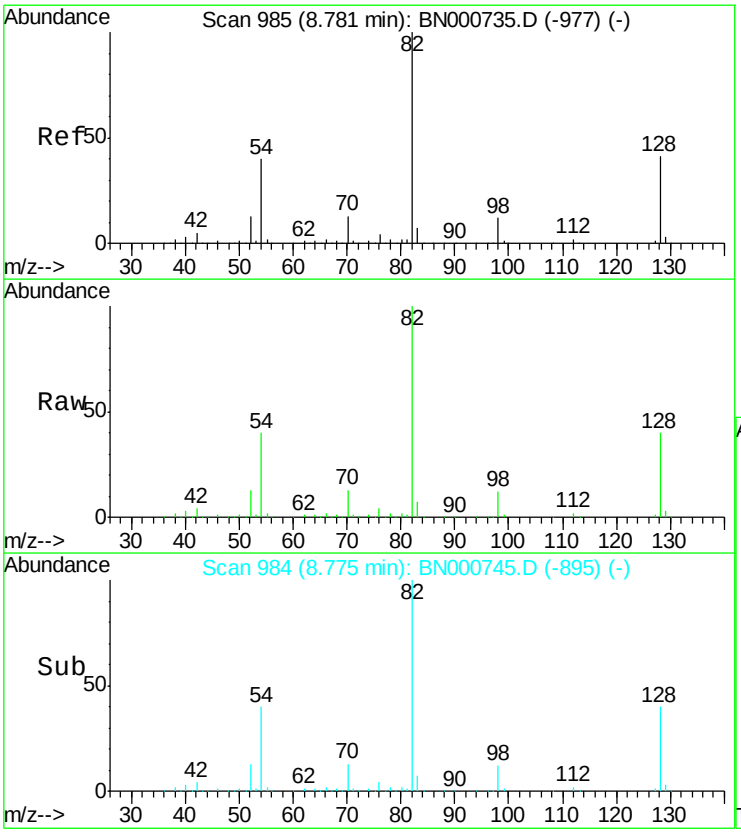
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.40 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

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

Tgt Ion:136 Resp: 632138

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.5	10.3	15.5#
68	7.6	4.5	6.7#

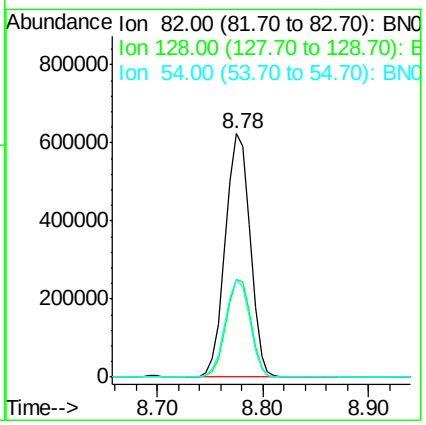


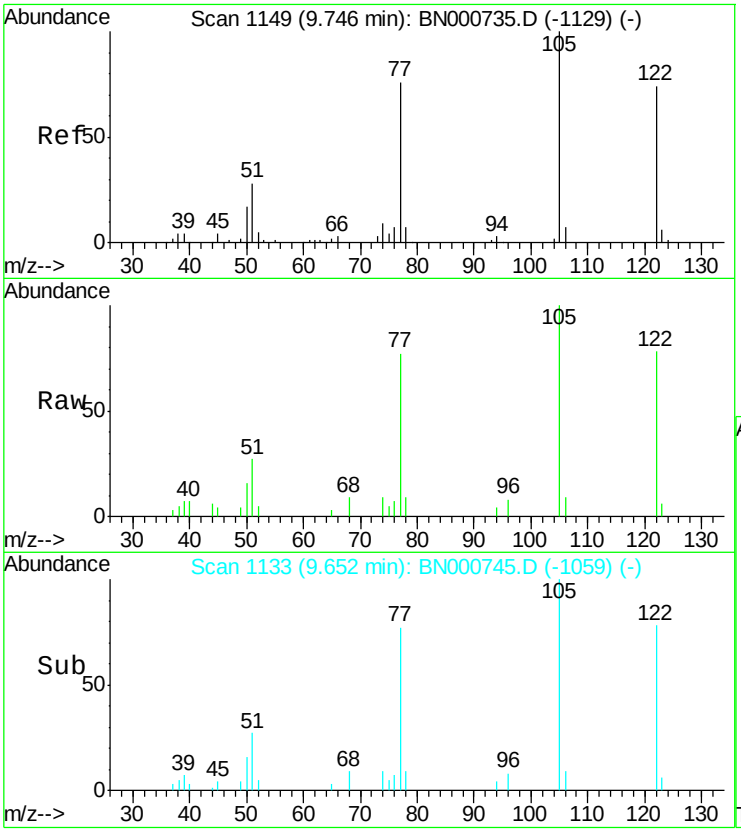


#23
Nitrobenzene-d5
Concen: 83.244 ng
RT: 8.78 min Scan# 984
Delta R.T. -0.01 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

Tgt Ion: 82 Resp: 1009428

Ion	Ratio	Lower	Upper
82	100		
128	40.2	29.7	44.5
54	40.1	43.1	64.7#



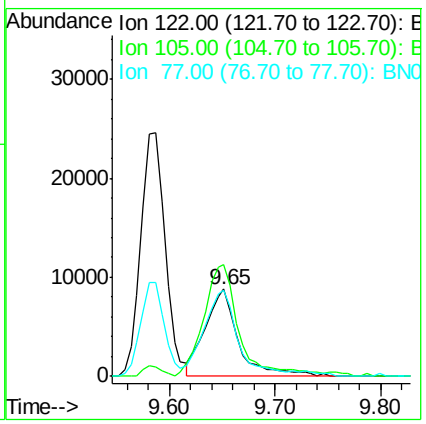


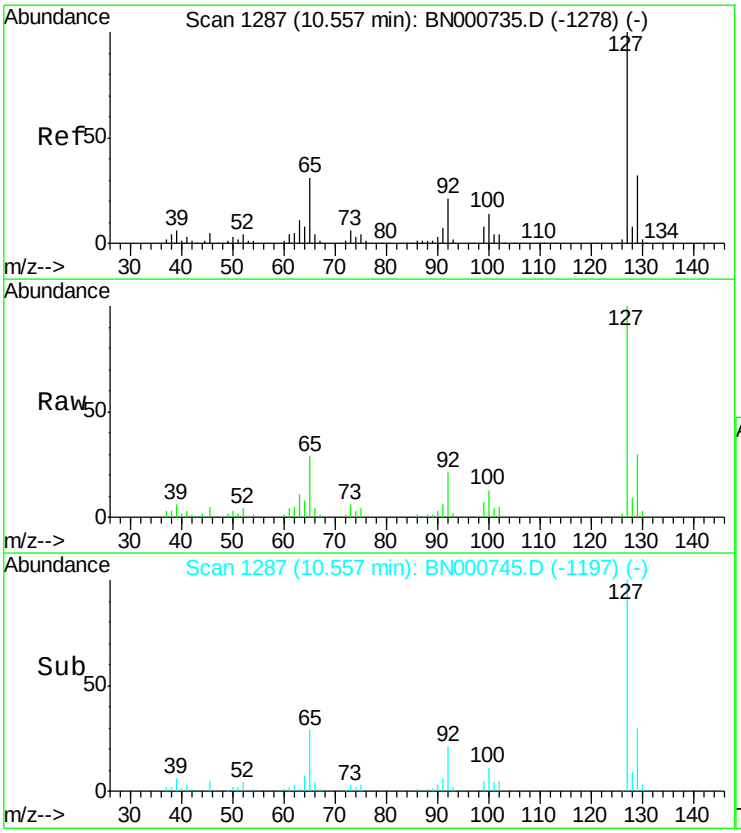
#32
Benzoic acid
Concen: 6.754 ng
RT: 9.65 min Scan# 1133
Delta R.T. -0.09 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

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

Tgt Ion:122 Resp: 19416

Ion	Ratio	Lower	Upper
122	100		
105	128.4	123.5	163.5
77	99.4	85.7	125.7

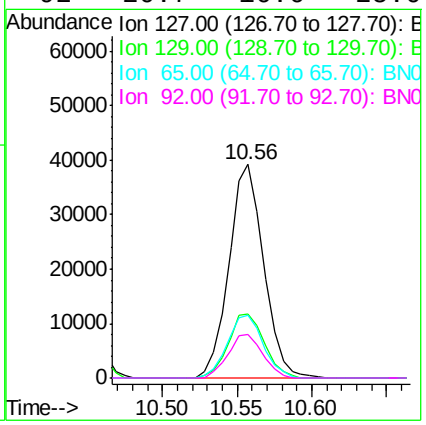


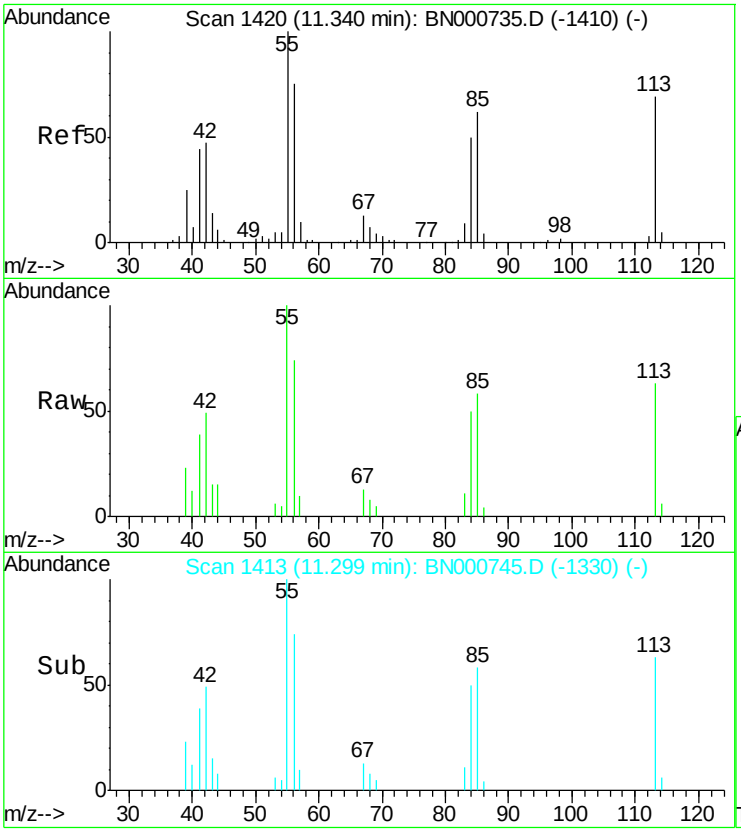


#33
4-Chloroaniline
Concen: 4.574 ng
RT: 10.56 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

Tgt Ion:127 Resp: 63481

Ion	Ratio	Lower	Upper
127	100		
129	30.2	24.0	36.0
65	29.3	27.0	40.4
92	20.7	16.6	25.0



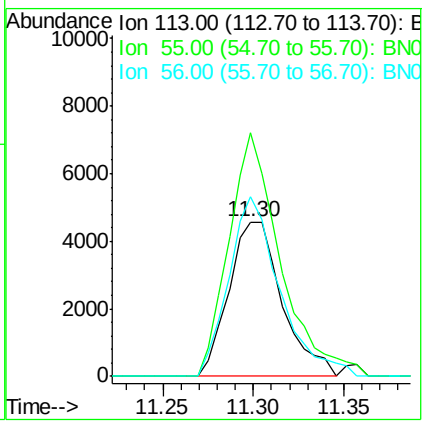


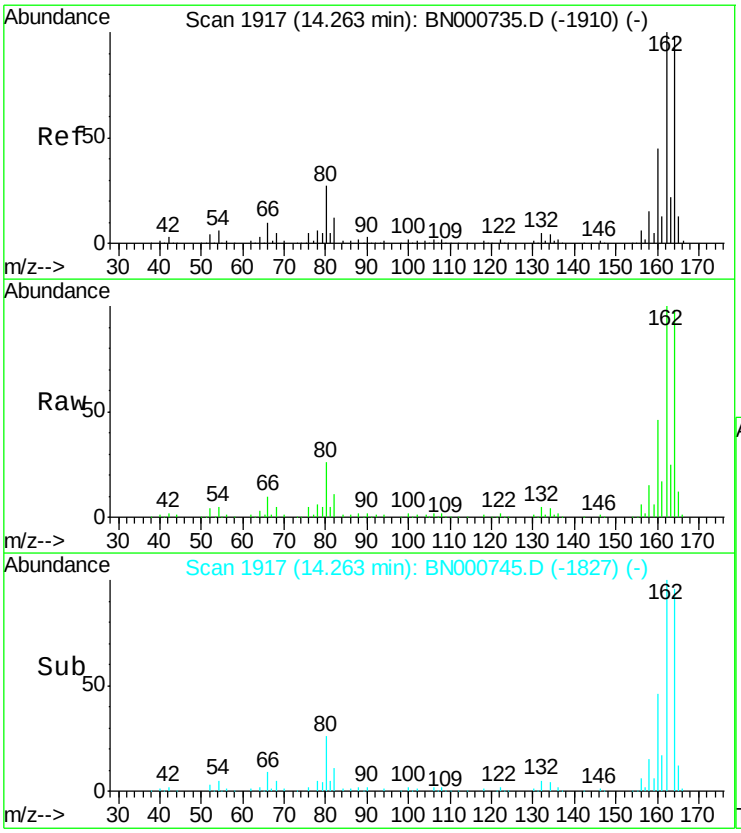
#35
Caprolactam
Concen: 3.146 ng
RT: 11.30 min Scan# 1413
Delta R.T. -0.04 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

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

Tgt Ion:113 Resp: 9320

Ion	Ratio	Lower	Upper
113	100		
55	157.6	120.0	160.0
56	116.0	90.0	130.0

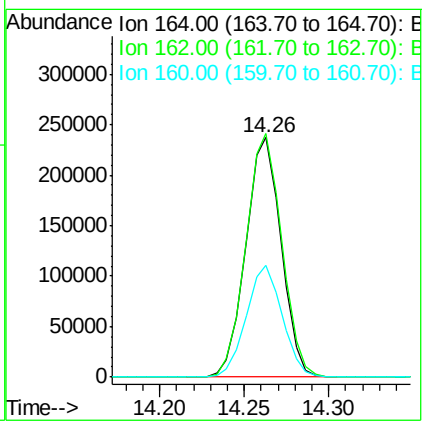


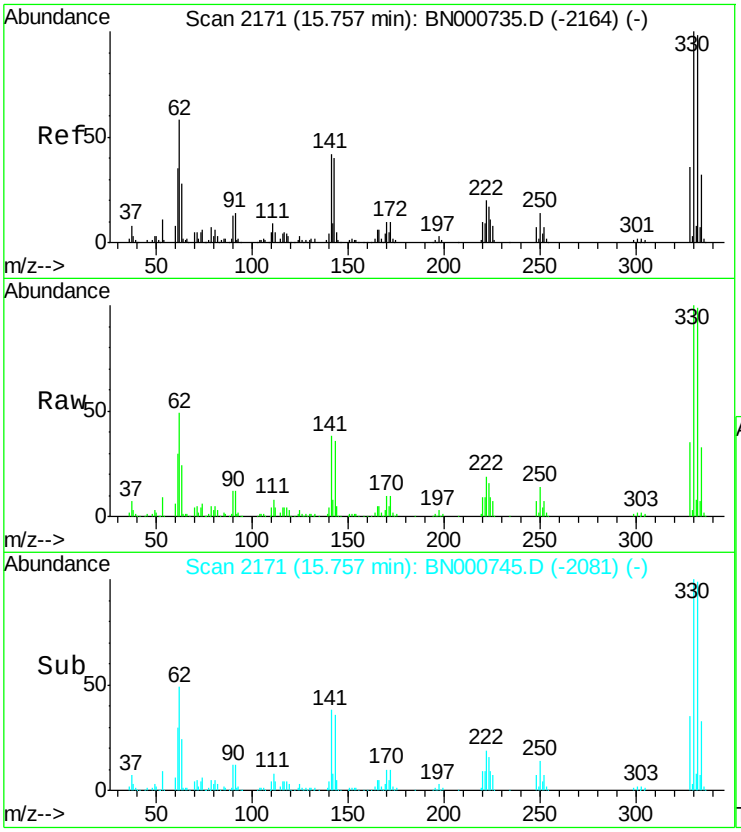


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.26 min Scan# 1917
Delta R.T. -0.00 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

Tgt Ion:164 Resp: 345441

Ion	Ratio	Lower	Upper
164	100		
162	101.6	78.8	118.2
160	46.4	35.4	53.0



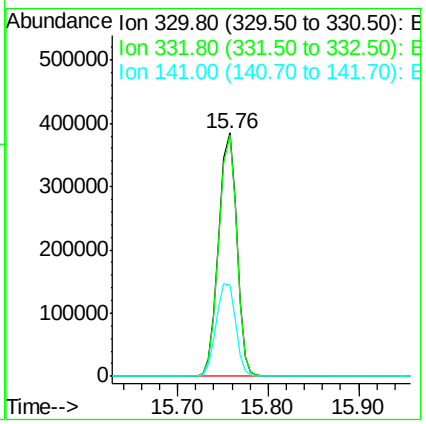


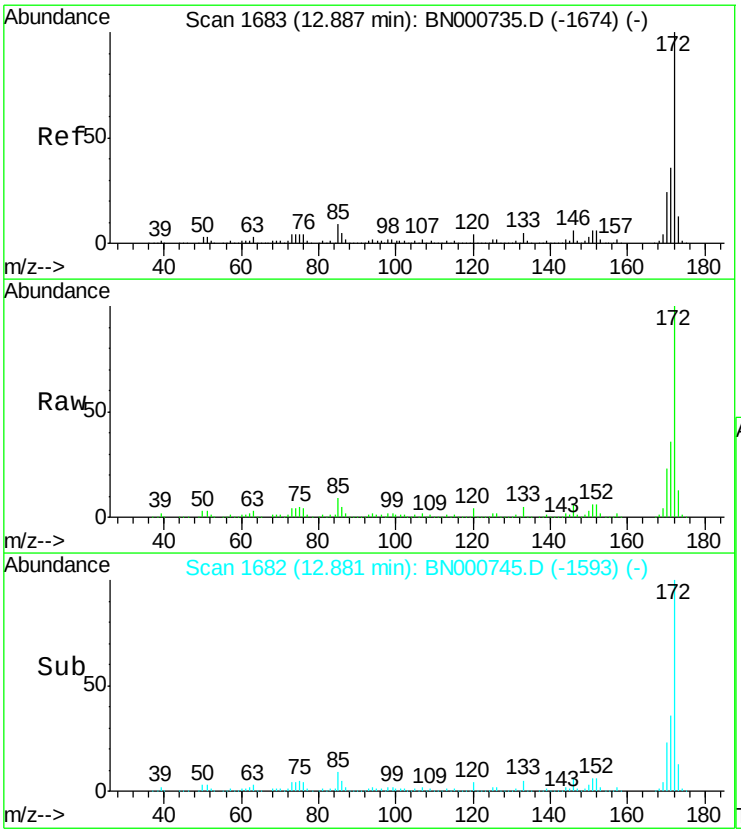
#41
2,4,6-Tribromophenol
Concen: 153.644 ng
RT: 15.76 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

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

Tgt Ion:330 Resp: 534311

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	40.4	25.2	37.8#

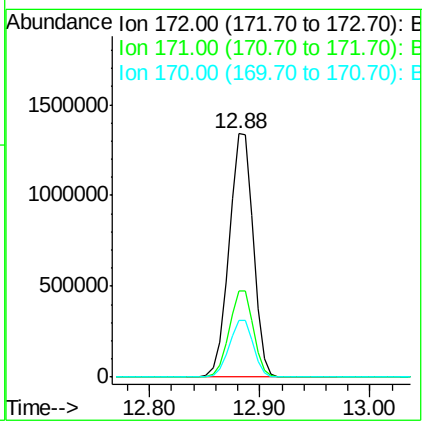


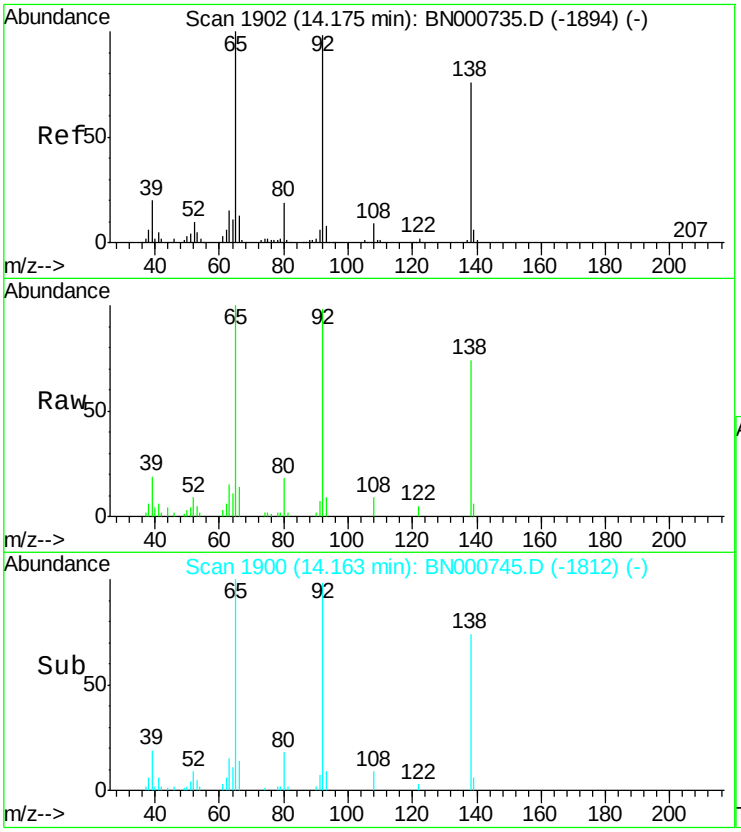


#44
2-Fluorobiphenyl
Concen: 82.312 ng
RT: 12.88 min Scan# 1682
Delta R.T. -0.01 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

Tgt Ion:172 Resp: 2059734

Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.0	45.0
170	23.4	19.5	29.3



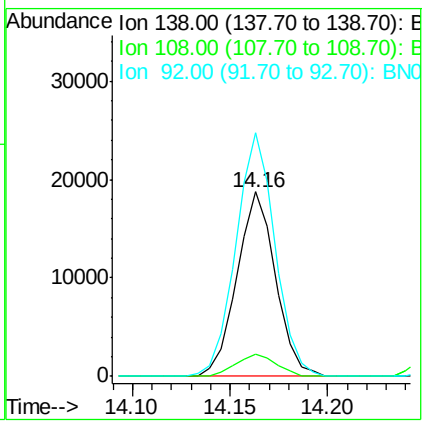


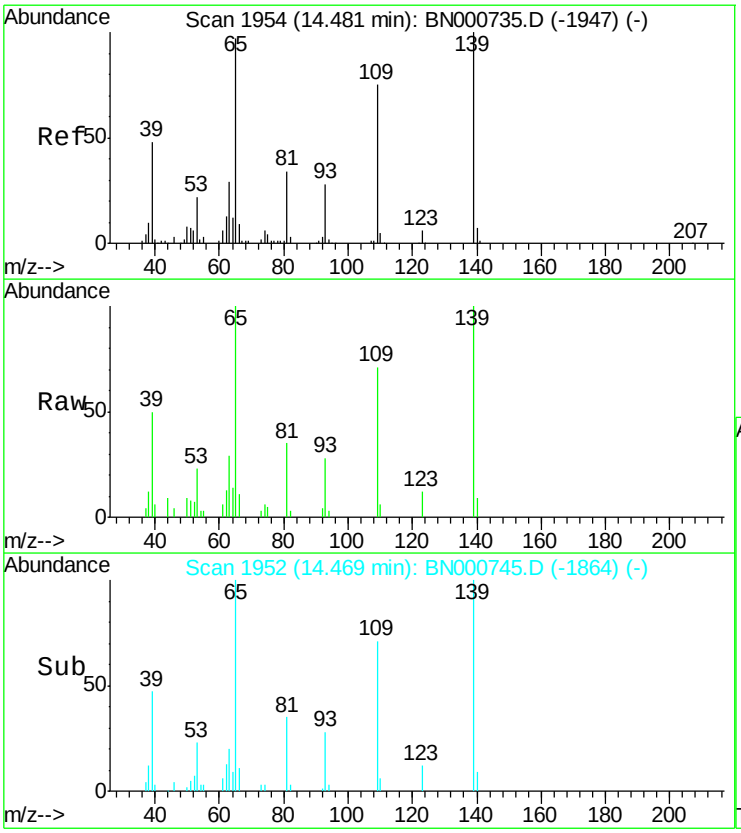
#52
3-Nitroaniline
Concen: 3.860 ng
RT: 14.16 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

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

Tgt Ion:138 Resp: 25686

Ion	Ratio	Lower	Upper
138	100		
108	12.2	17.5	26.3#
92	131.8	105.8	158.8

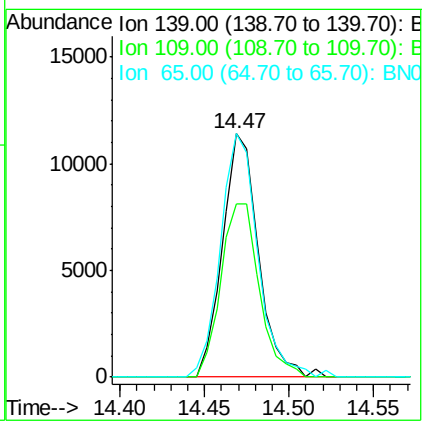


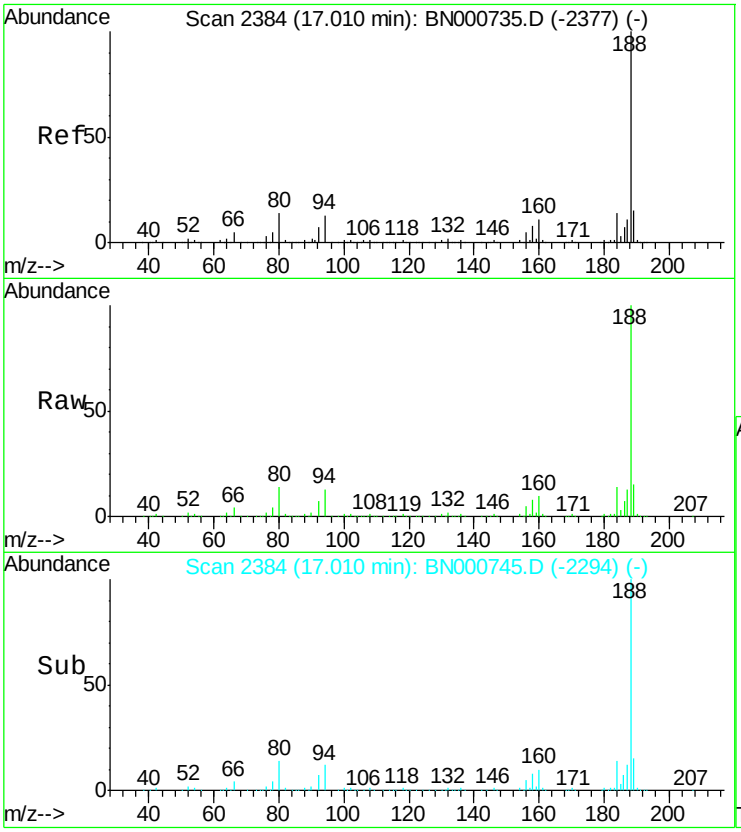


#55
4-Nitrophenol
Concen: 3.406 ng
RT: 14.47 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

Tgt Ion:139 Resp: 16831

Ion	Ratio	Lower	Upper
139	100		
109	71.3	62.2	102.2
65	100.0	97.2	137.2



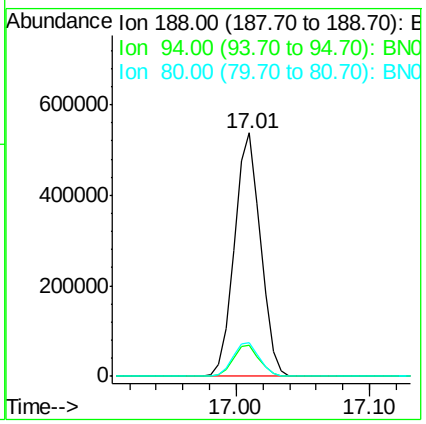


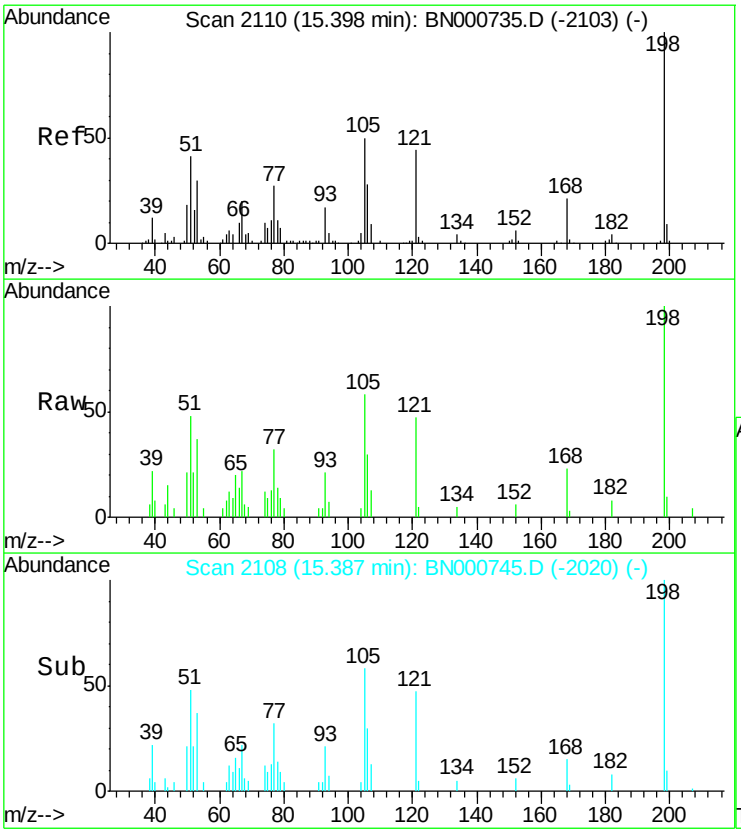
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.01 min Scan# 2384
Delta R.T. -0.00 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

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

Tgt Ion:188 Resp: 728642

Ion	Ratio	Lower	Upper
188	100		
94	12.8	6.9	10.3#
80	13.8	7.7	11.5#

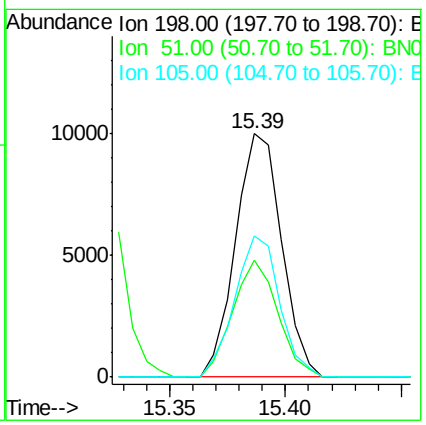


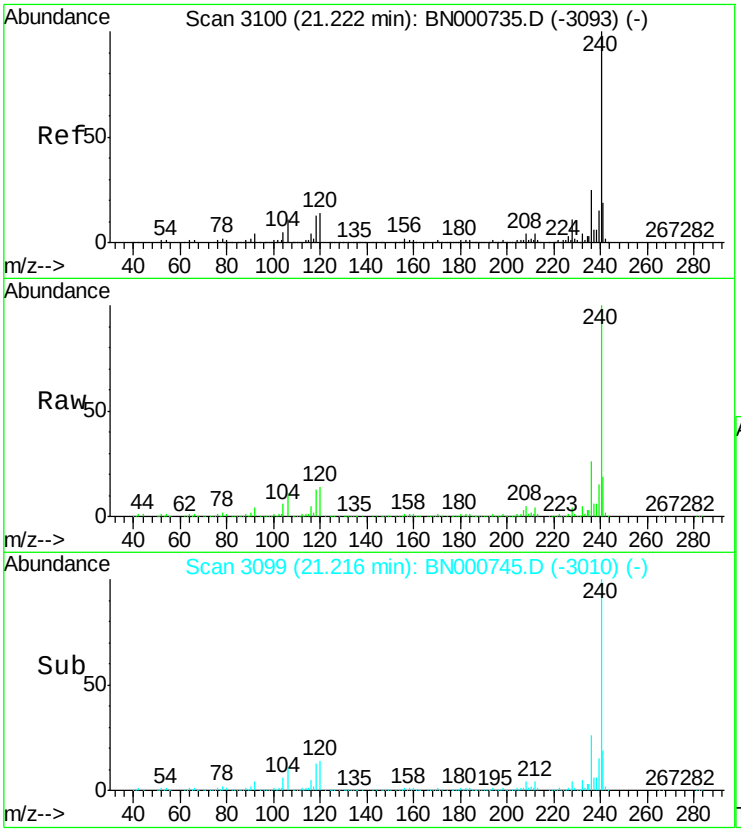


#64
4,6-Dinitro-2-methylphenol
Concen: 3.082 ng
RT: 15.39 min Scan# 2108
Delta R.T. -0.01 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

Tgt Ion:198 Resp: 13869

Ion	Ratio	Lower	Upper
198	100		
51	47.9	30.6	70.6
105	57.8	23.8	63.8



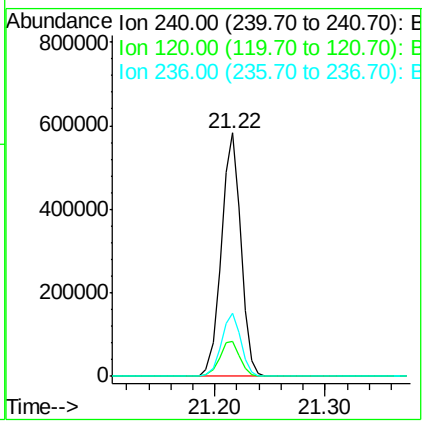


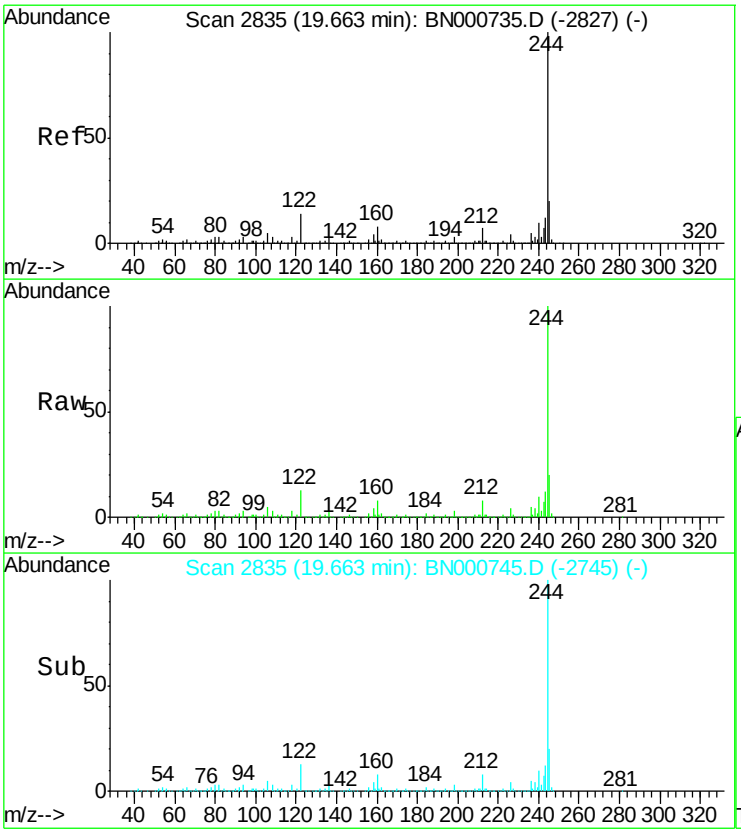
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.22 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

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

Tgt Ion:240 Resp: 719746

Ion	Ratio	Lower	Upper
240	100		
120	14.5	6.8	10.2#
236	25.9	20.9	31.3

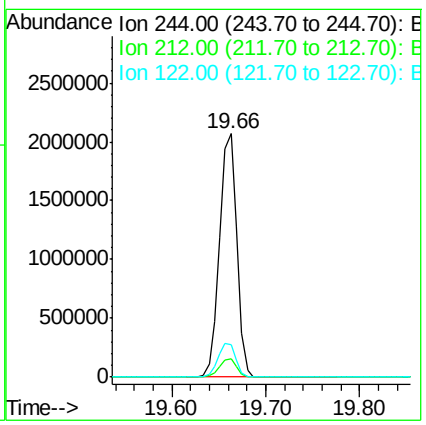


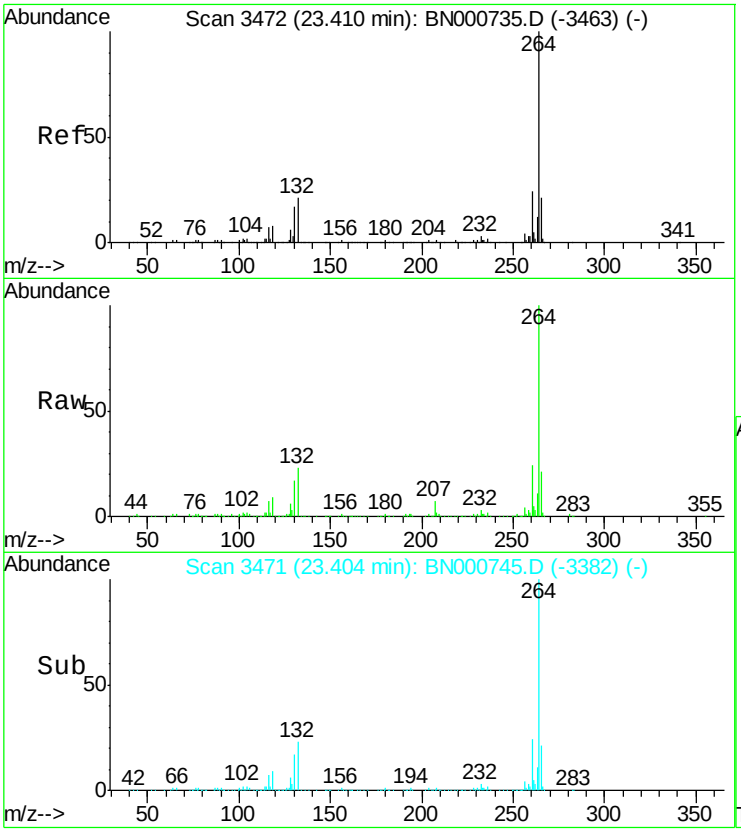


#78
Terphenyl-d14
Concen: 79.791 ng
RT: 19.66 min Scan# 2835
Delta R.T. -0.00 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

Tgt Ion:244 Resp: 2663541

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.8
122	13.3	7.0	10.4#



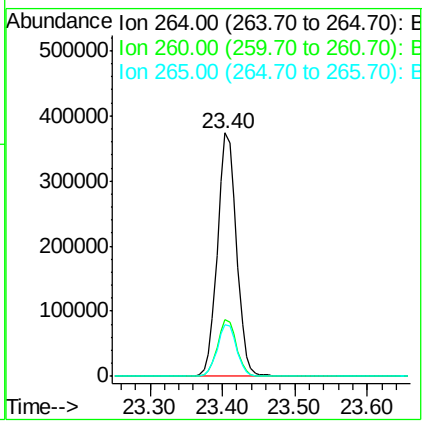


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.40 min Scan# 3471
Delta R.T. -0.01 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

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

Tgt Ion:264 Resp: 684118

Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	21.0	17.7	26.5



Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\
Data File : BN000745.D
Acq On : 18 Apr 2018 18:31
Operator : JU/SJ
Sample : J2133-01
Misc : 5PPM LOD
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Apr 19 04:57:42 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN041818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 18 16:58:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	140924	20.00	ng		0.00
21) Naphthalene-d8	10.40	136	632138	20.00	ng		0.00
38) Acenaphthene-d10	14.26	164	345441	20.00	ng		0.00
63) Phenanthrene-d10	17.01	188	728642	20.00	ng		0.00
75) Chrysene-d12	21.22	240	719746	20.00	ng		0.00
86) Perylene-d12	23.40	264	684118	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.26	112	1274118	134.31	ng		0.00
7) Phenol-d6	6.82	99	1732459	134.01	ng		0.00
23) Nitrobenzene-d5	8.78	82	1009428	83.24	ng		0.00
41) 2,4,6-Tribromophenol	15.76	330	534311	153.64	ng		0.00
44) 2-Fluorobiphenyl	12.88	172	2059734	82.31	ng		0.00
78) Terphenyl-d14	19.66	244	2663541	79.79	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.26	88	20826	4.786	ng	#	91
3) Pyridine	3.63	79	52610	4.590	ng		98
4) n-Nitrosodimethylamine	3.55	42	13453	4.268	ng	#	86
32) Benzoic acid	9.65	122	19416	6.754	ng		90
33) 4-Chloroaniline	10.56	127	63481	4.574	ng		97
35) Caprolactam	11.30	113	9320	3.146	ng		89
52) 3-Nitroaniline	14.16	138	25686	3.860	ng	#	97
55) 4-Nitrophenol	14.47	139	16831	3.406	ng		86
64) 4,6-Dinitro-2-methylphenol	15.39	198	13869	3.082	ng		88

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