Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN030118\
Data File : BN000219.D
Acq On : 01 Mar 2018 16:11
Operator : JU/SJ
Sample : J1161-01
Misc : LOD 0.1 PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : LOD-MDL-SOIL-01-QT1-2018

Quant Time: Mar 01 17:47:23 2018
Quant Method : Z:\HPCHEM1\BNA_N\METHODS\8270-SIM-BN022718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 27 15:07:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	5199	0.40	ng		0.00
7) Naphthalene-d8	11.29	136	19358	0.40	ng		0.00
13) Acenaphthene-d10	15.06	164	9912	0.40	ng		0.00
19) Phenanthrene-d10	17.78	188	24534	0.40	ng		0.00
27) Chrysene-d12	21.89	240	19274	0.40	ng		0.00
34) Perylene-d12	24.37	264	15293	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.93	112	3638	0.33	ng		0.00
5) Phenol-d6	7.57	99	4412	0.32	ng		0.00
8) Nitrobenzene-d5	9.63	82	3547	0.31	ng		0.00
11) 2-Methylnaphthalene-d10	12.85	152	10392	0.36	ng		0.00
14) 2,4,6-Tribromophenol	16.54	330	967	0.31	ng		0.00
15) 2-Fluorobiphenyl	13.69	172	15300	0.33	ng		0.00
25) Fluoranthene-d10	19.77	212	20888	0.32	ng		0.00
29) Terphenyl-d14	20.34	244	11761	0.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.66	88	493	0.092	ng		96
3) n-Nitrosodimethylamine	4.07	42	146	0.131	ng	#	74
6) bis(2-Chloroethyl)ether	7.85	93	1431	0.081	ng		98
9) Naphthalene	11.34	128	4847	0.086	ng	#	93
10) Hexachlorobutadiene	11.62	225	814	0.085	ng		98
12) 2-Methylnaphthalene	12.92	142	3094	0.083	ng		98
16) Acenaphthylene	14.78	152	3341	0.072	ng		99
17) Acenaphthene	15.12	154	2920	0.079	ng		95
18) Fluorene	16.09	166	3746	0.082	ng	#	80
20) 4-Bromophenyl-phenylether	16.96	248	1018	0.072	ng	#	67
21) Hexachlorobenzene	17.09	284	1448	0.077	ng		95
22) Pentachlorophenol	17.43	266	267	0.140	ng	#	84
23) Phenanthrene	17.82	178	6682	0.077	ng		96
24) Anthracene	17.91	178	4505	0.069	ng		96
26) Fluoranthene	19.80	202	6595	0.074	ng	#	95
28) Pyrene	20.16	202	6654	0.088	ng		99
30) Benzo(a)anthracene	21.88	228	4607	0.076	ng		97
31) Chrysene	21.93	228	6183	0.087	ng		99
32) Bis(2-ethylhexyl)phthalate	21.76	149	1860	0.082	ng		98
33) Indeno(1,2,3-cd)pyrene	26.92	276	4793	0.072	ng	#	89
35) Benzo(b)fluoranthene	23.61	252	5658	0.081	ng	#	90
36) Benzo(k)fluoranthene	23.66	252	5253	0.077	ng	#	68
37) Benzo(a)pyrene	24.26	252	4073	0.072	ng	#	62
38) Dibenzo(a,h)anthracene	26.93	278	3593	0.071	ng	#	78
39) Benzo(g,h,i)perylene	27.70	276	4878	0.082	ng	#	79

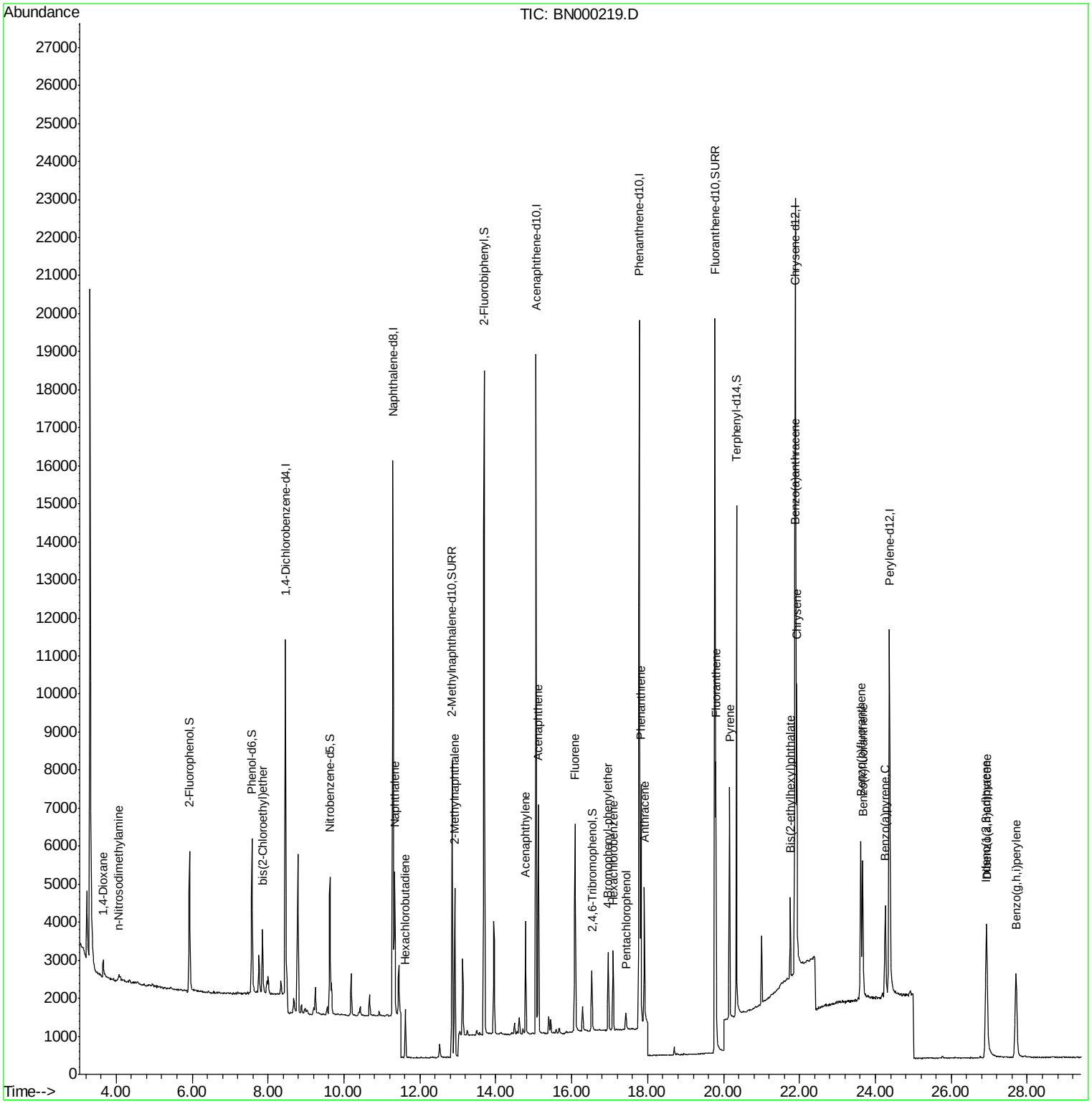
(#) = qualifier out of range (m) = manual integration (+) = signals summed

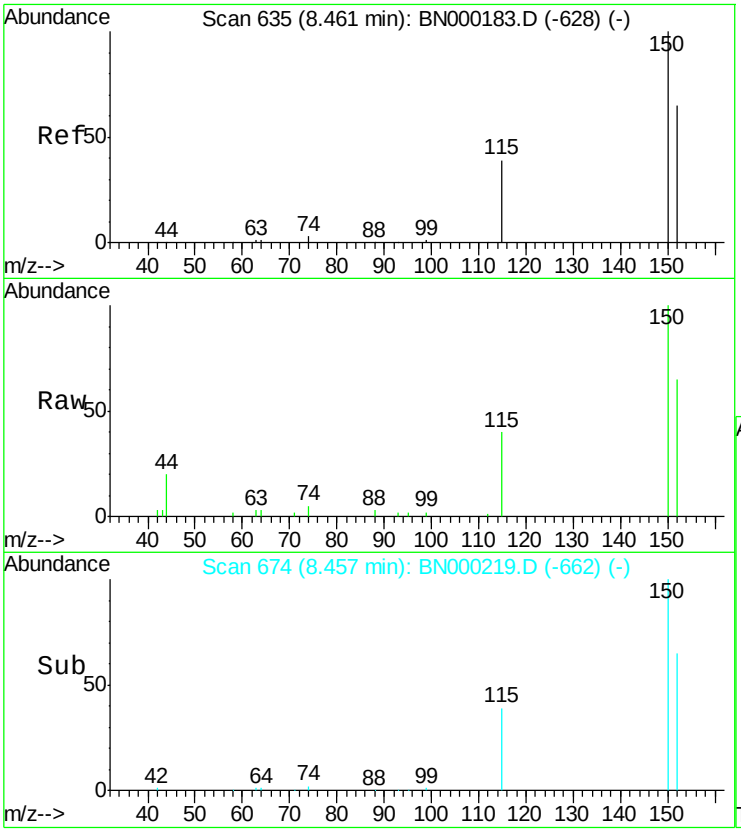
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN030118\
Data File : BN000219.D
Acq On : 01 Mar 2018 16:11
Operator : JU/SJ
Sample : J1161-01
Misc : LOD 0.1 PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Quant Time: Mar 01 17:47:23 2018
Quant Method : Z:\HPCHEM1\BNA_N\METHODS\8270-SIM-BN022718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 27 15:07:57 2018
Response via : Initial Calibration



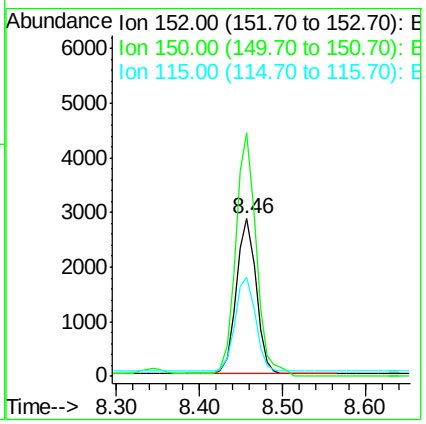


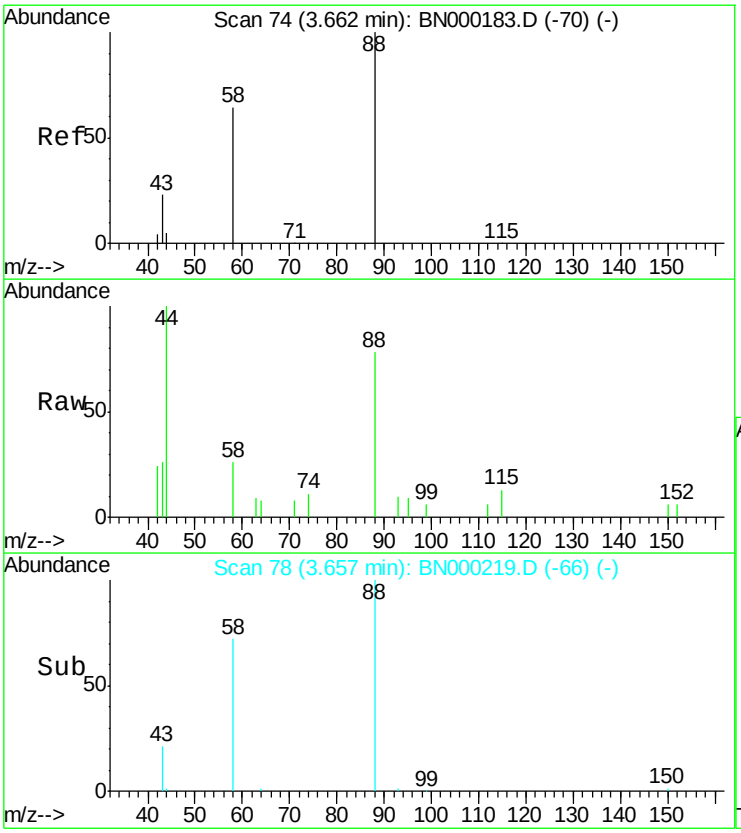
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.46 min Scan# 674
Delta R.T. -0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:152 Resp: 5199

Ion	Ratio	Lower	Upper
152	100		
150	154.4	117.2	175.8
115	62.5	57.0	85.6

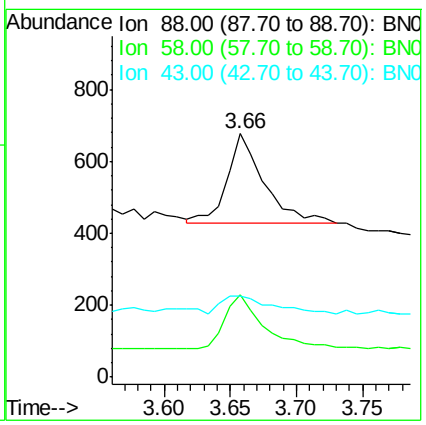


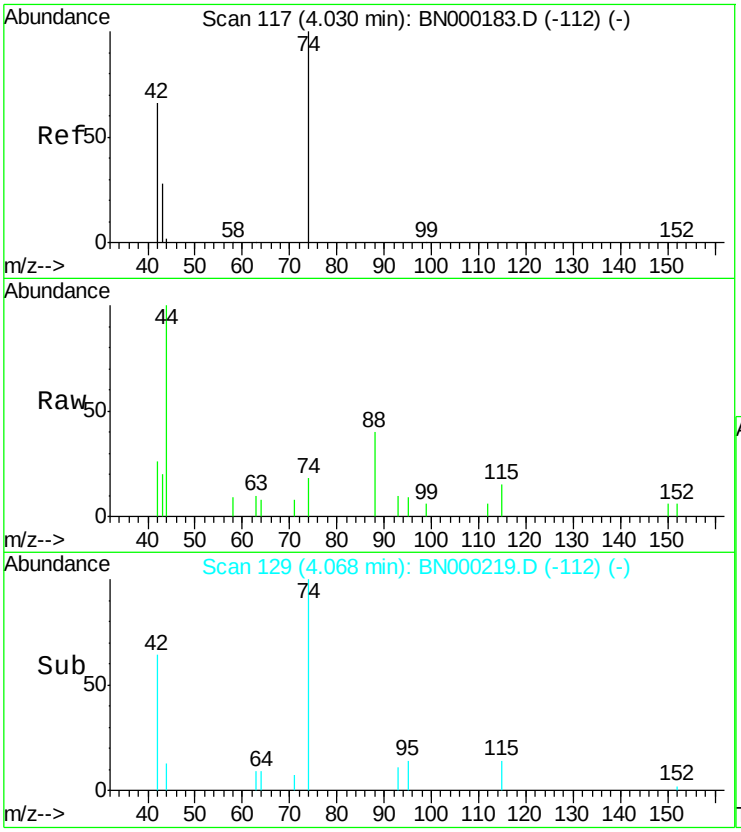


#2
1,4-Dioxane
Concen: 0.092 ng
RT: 3.66 min Scan# 78
Delta R.T. -0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion: 88 Resp: 493

Ion	Ratio	Lower	Upper
88	100		
58	61.3	48.0	72.0
43	29.0	20.0	30.0



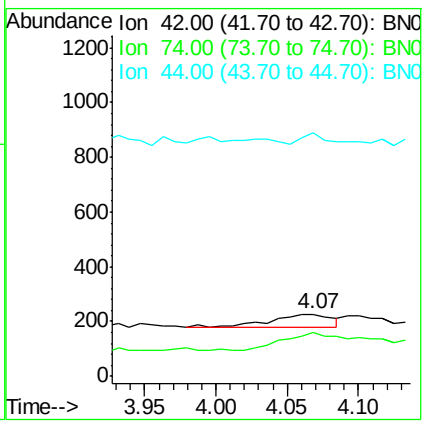


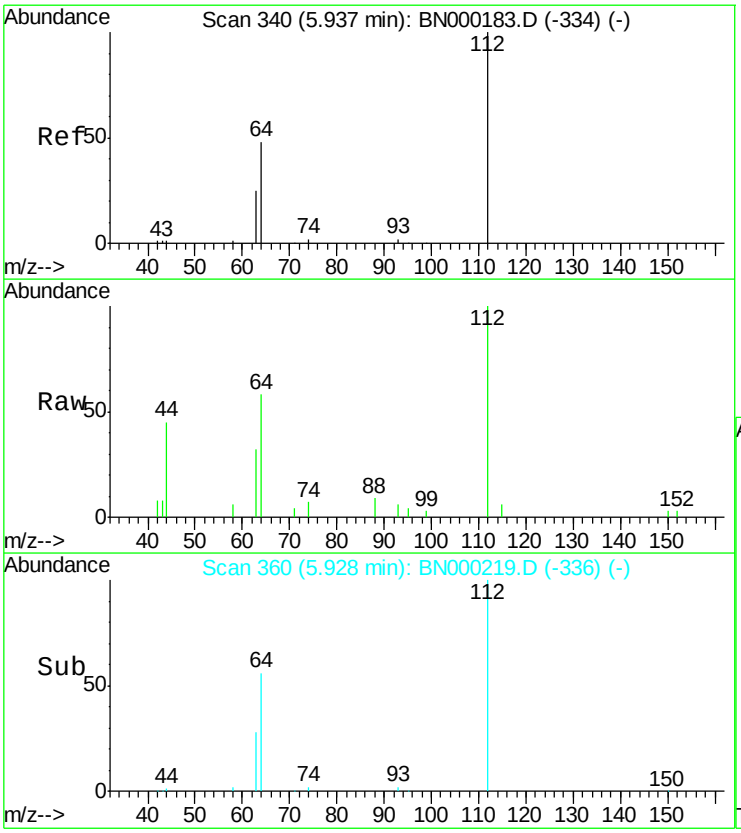
#3
n-Nitrosodimethylamine
Concen: 0.131 ng
RT: 4.07 min Scan# 129
Delta R.T. 0.04 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion: 42 Resp: 146

Ion	Ratio	Lower	Upper
42	100		
74	120.5	120.0	180.0
44	37.7	4.0	6.0#

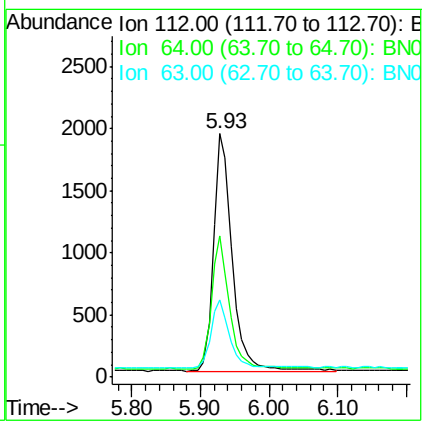


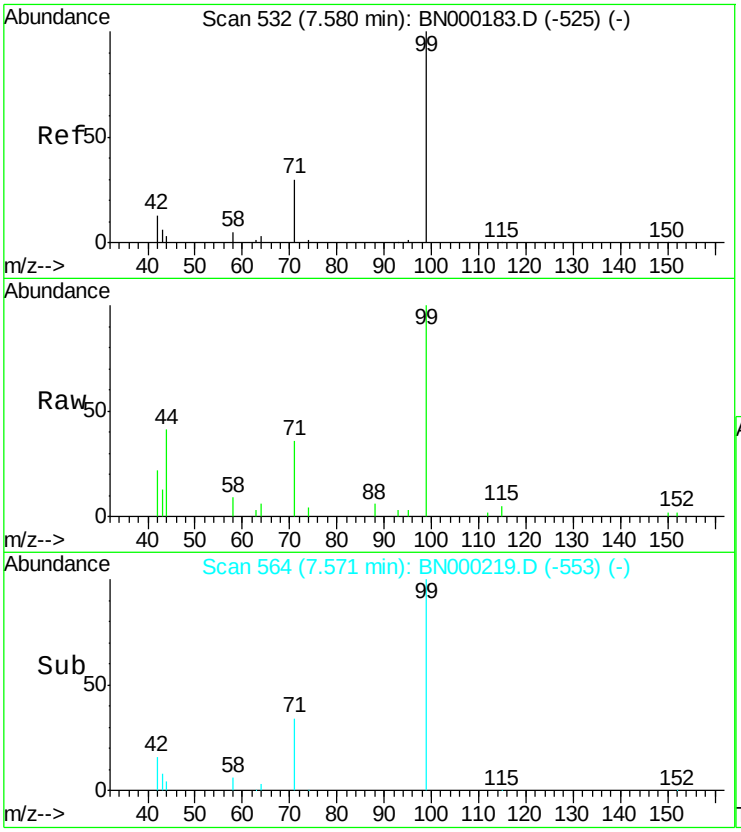


#4
2-Fluorophenol
Concen: 0.331 ng
RT: 5.93 min Scan# 360
Delta R.T. -0.01 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion:112 Resp: 3638

Ion	Ratio	Lower	Upper
112	100		
64	53.1	60.1	90.1#
63	28.0	116.8	175.2#



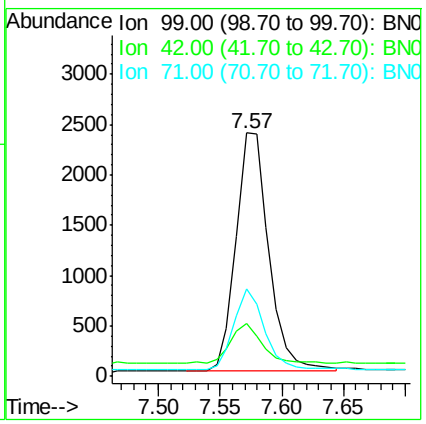


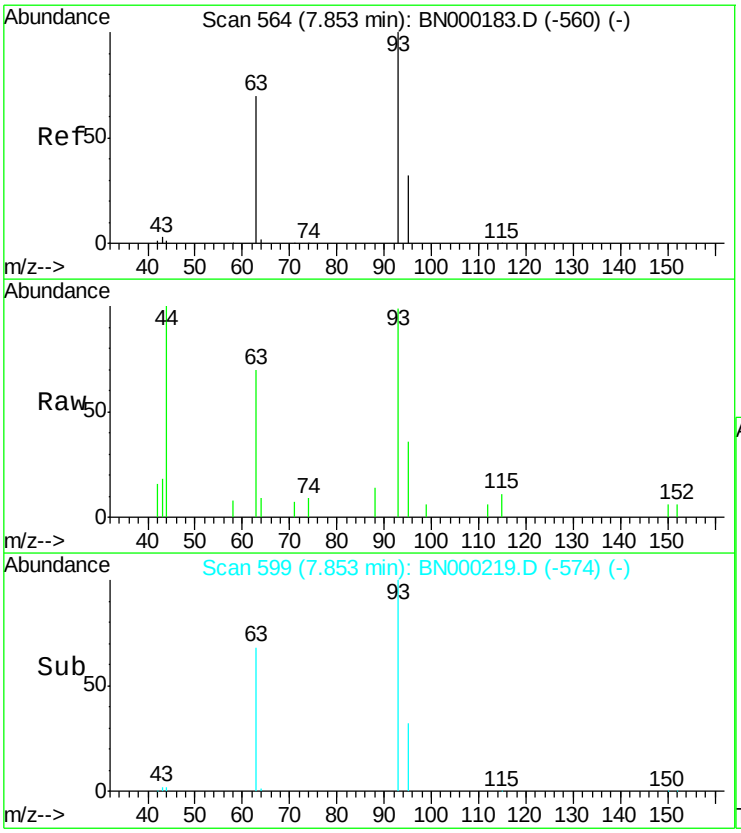
#5
Phenol-d6
Concen: 0.316 ng
RT: 7.57 min Scan# 564
Delta R.T. -0.01 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion: 99 Resp: 4412

Ion	Ratio	Lower	Upper
99	100		
42	15.8	20.2	30.2#
71	31.7	28.4	42.6

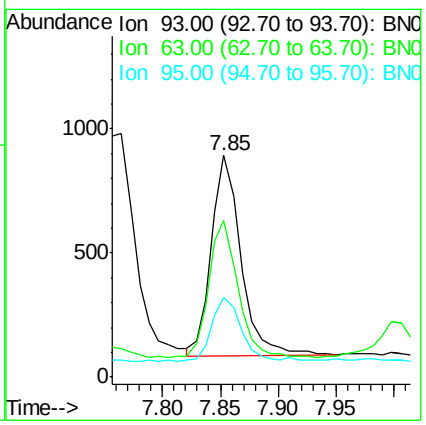


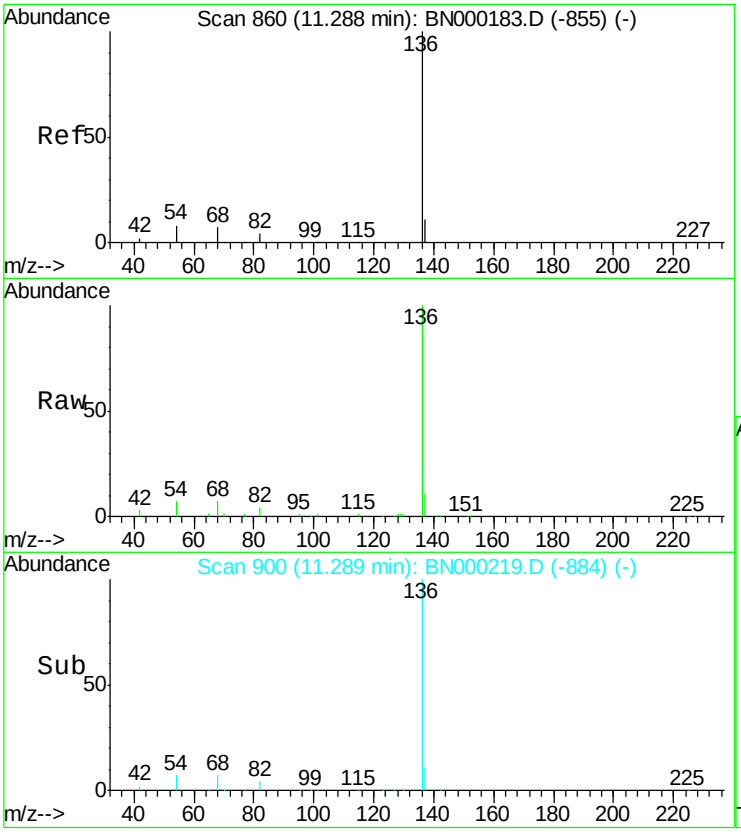


#6
bis(2-Chloroethyl)ether
Concen: 0.081 ng
RT: 7.85 min Scan# 599
Delta R.T. -0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion: 93 Resp: 1431

Ion	Ratio	Lower	Upper
93	100		
63	67.7	56.0	84.0
95	32.2	25.2	37.8



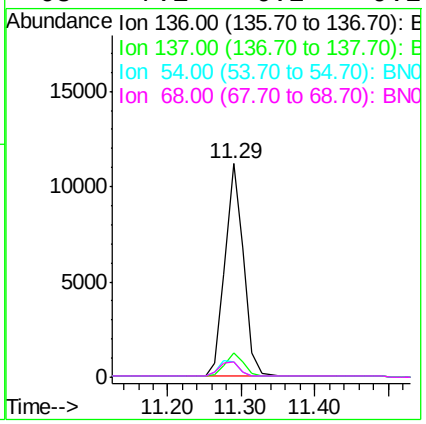


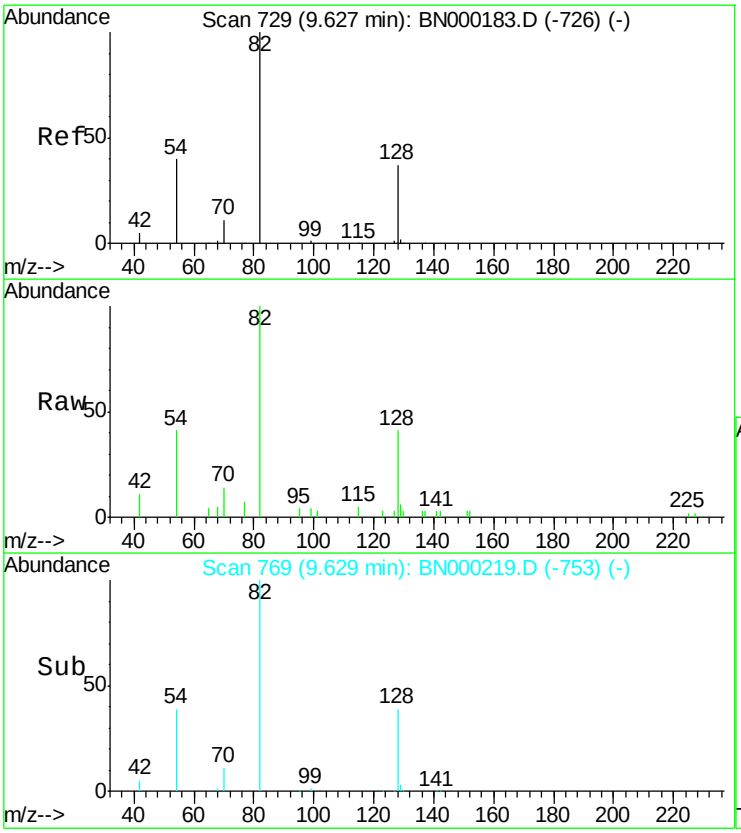
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.29 min Scan# 900
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:136 Resp: 19358

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.5	14.3
54	7.5	29.1	43.7#
68	7.1	6.2	9.2

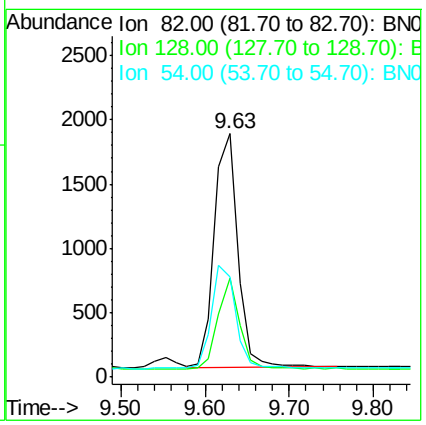


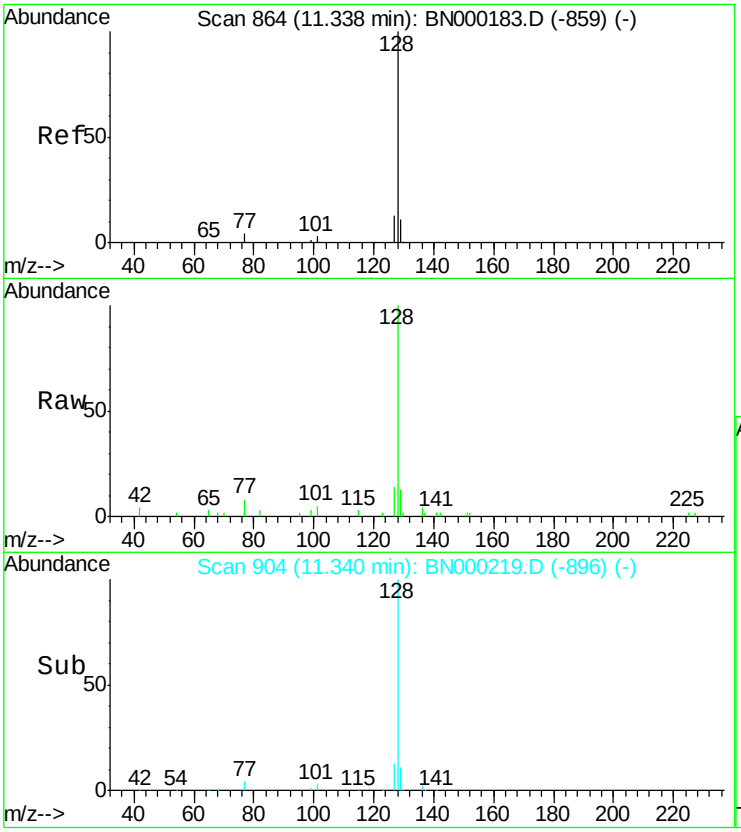


#8
Nitrobenzene-d5
Concen: 0.309 ng
RT: 9.63 min Scan# 769
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion: 82 Resp: 3547

Ion	Ratio	Lower	Upper
82	100		
128	40.7	150.0	225.0#
54	41.2	154.2	231.4#



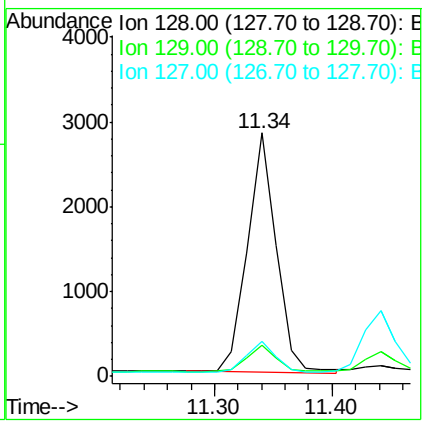


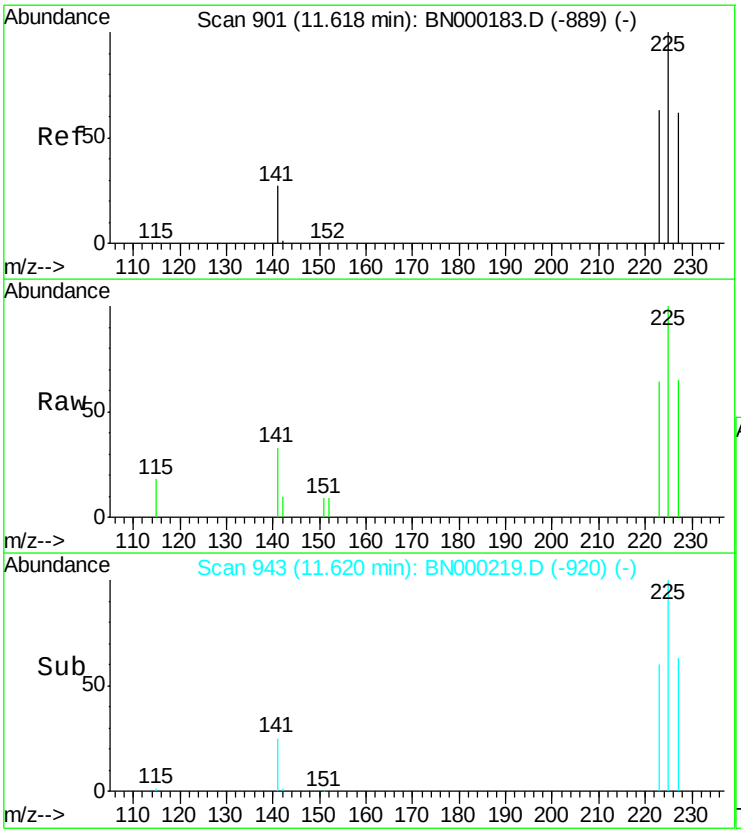
#9
Naphthalene
Concen: 0.086 ng
RT: 11.34 min Scan# 904
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:128 Resp: 4847

Ion	Ratio	Lower	Upper
128	100		
129	12.8	8.0	12.0#
127	14.4	9.6	14.4#

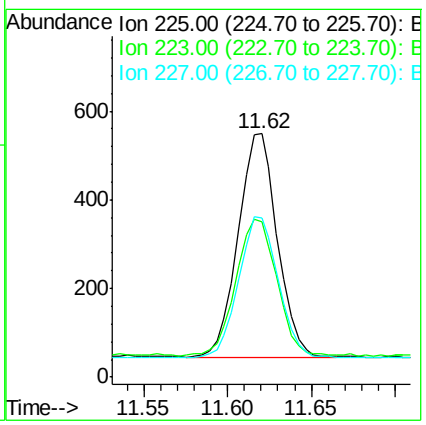


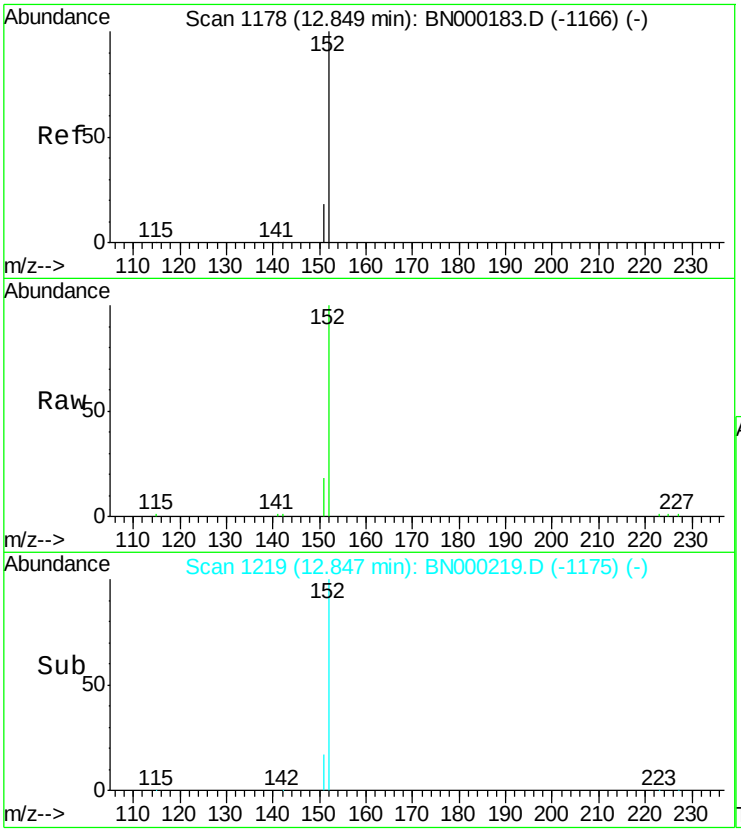


#10
Hexachlorobutadiene
Concen: 0.085 ng
RT: 11.62 min Scan# 943
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion:225 Resp: 814

Ion	Ratio	Lower	Upper
225	100		
223	63.6	53.0	79.6
227	63.8	51.4	77.2



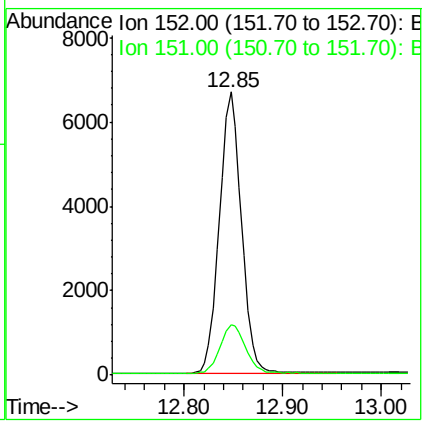


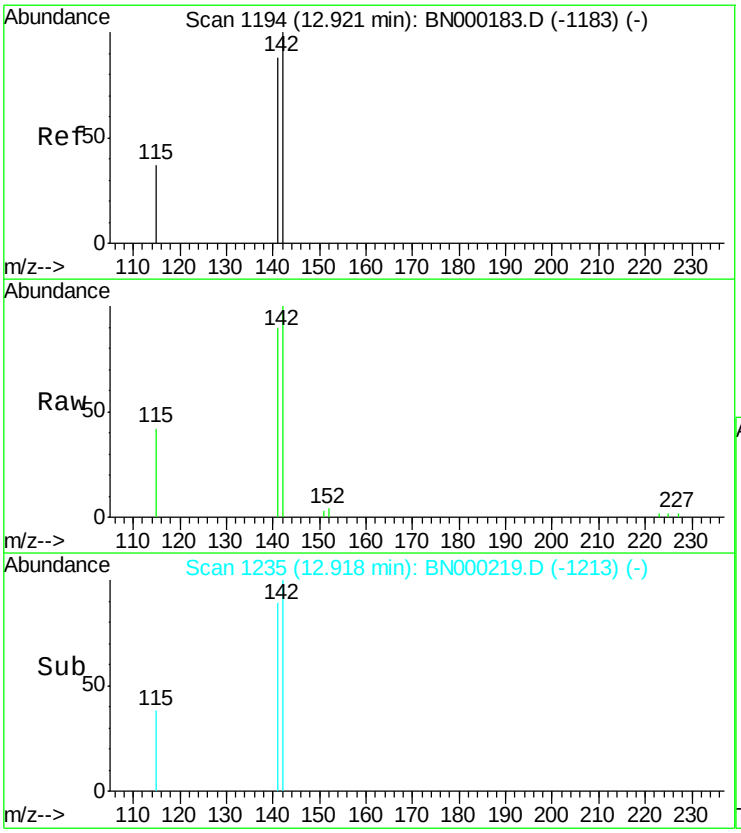
#11
2-Methylnaphthalene-d10
Concen: 0.357 ng
RT: 12.85 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:152 Resp: 10392

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.0

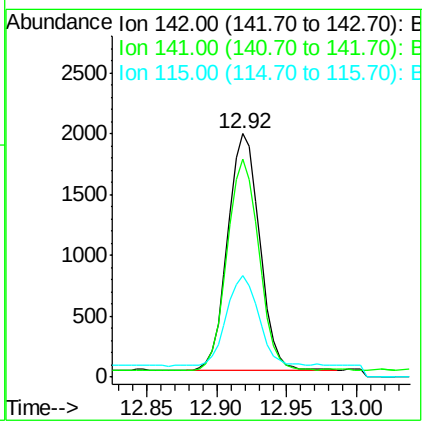


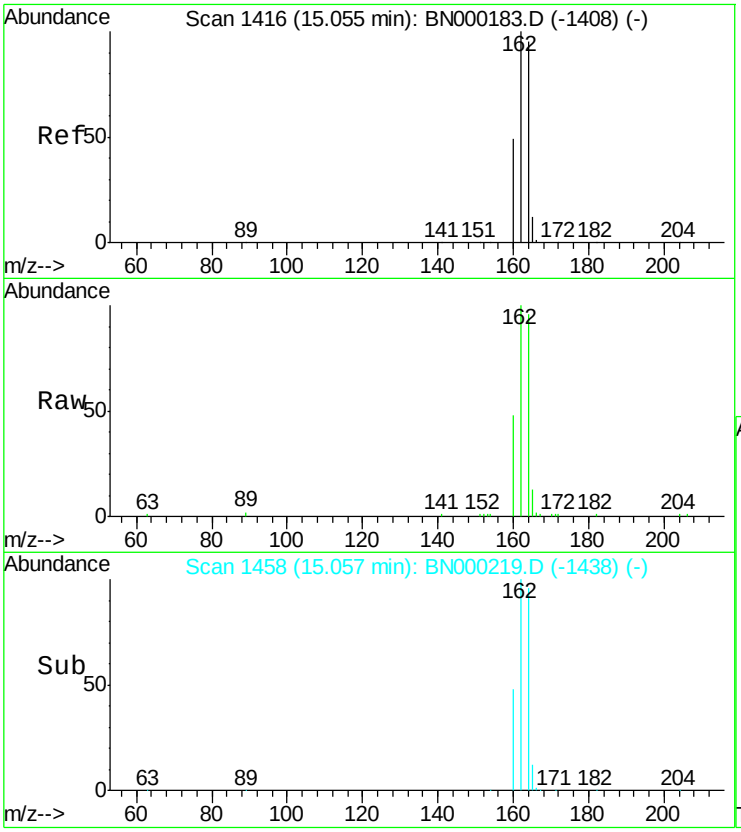


#12
2-Methylnaphthalene
Concen: 0.083 ng
RT: 12.92 min Scan# 1235
Delta R.T. -0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion:142 Resp: 3094

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.4	105.6
115	41.7	31.7	47.5



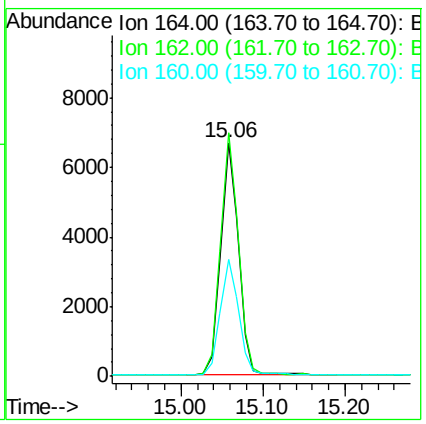


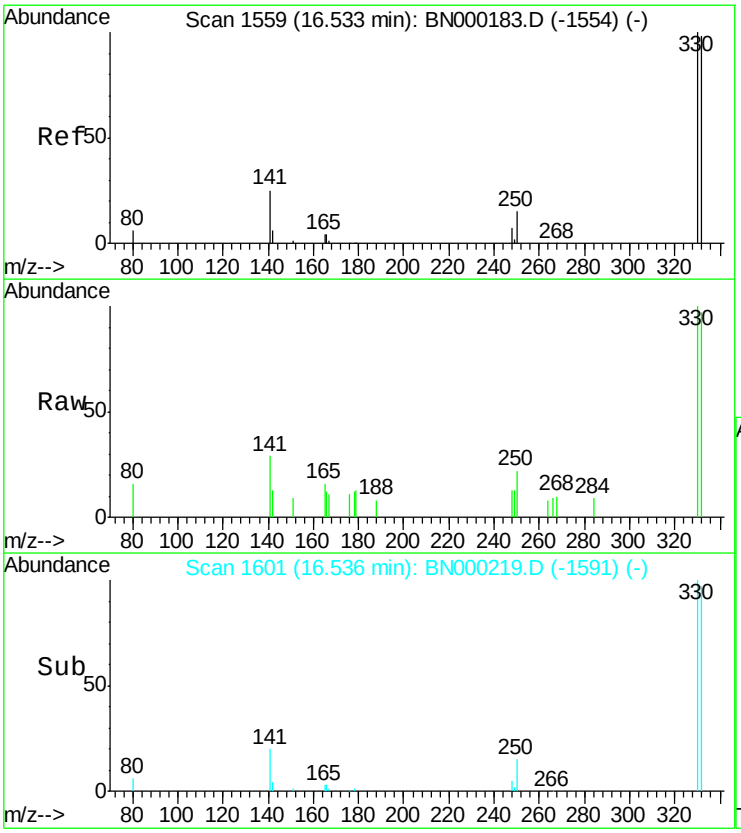
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.06 min Scan# 1458
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:164 Resp: 9912

Ion	Ratio	Lower	Upper
164	100		
162	104.3	83.1	124.7
160	50.0	37.1	55.7

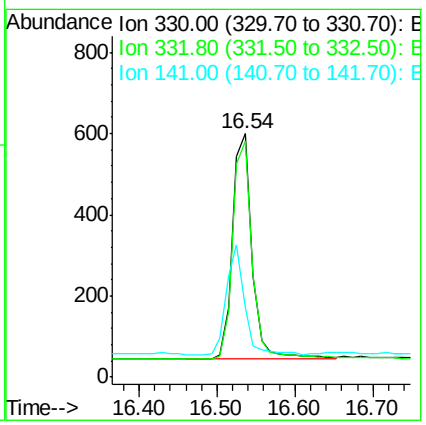


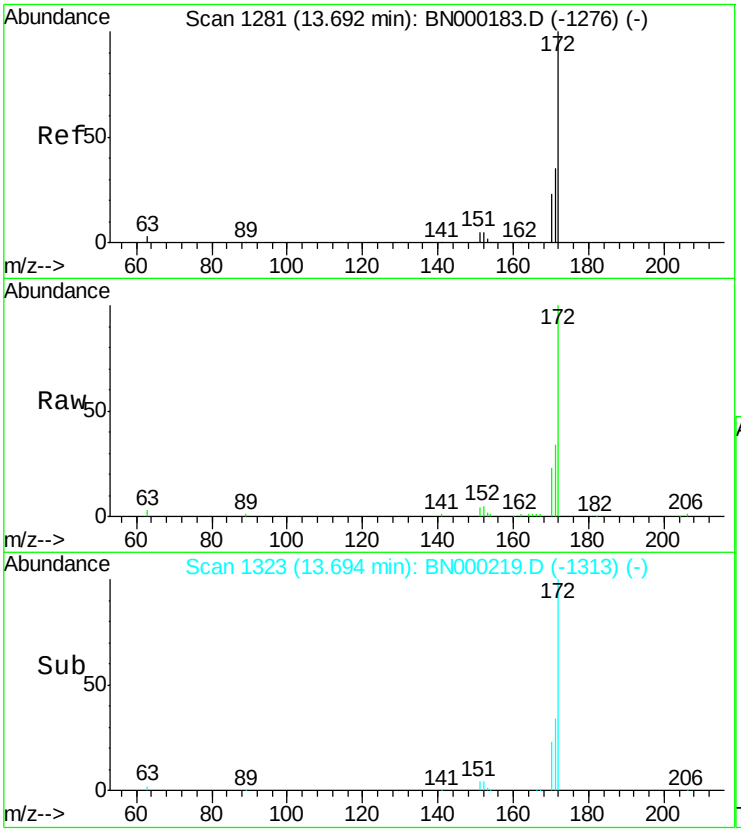


#14
2,4,6-Tribromophenol
Concen: 0.307 ng
RT: 16.54 min Scan# 1601
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion:330 Resp: 967

Ion	Ratio	Lower	Upper
330	100		
332	96.5	152.7	229.1#
141	44.9	33.7	50.5



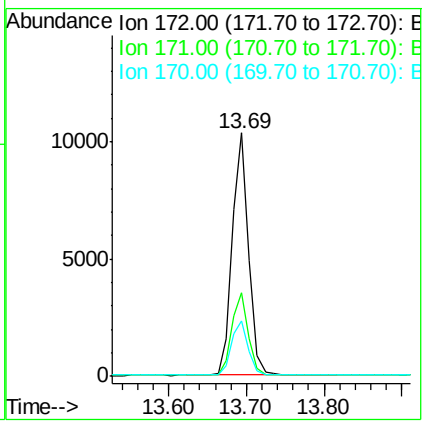


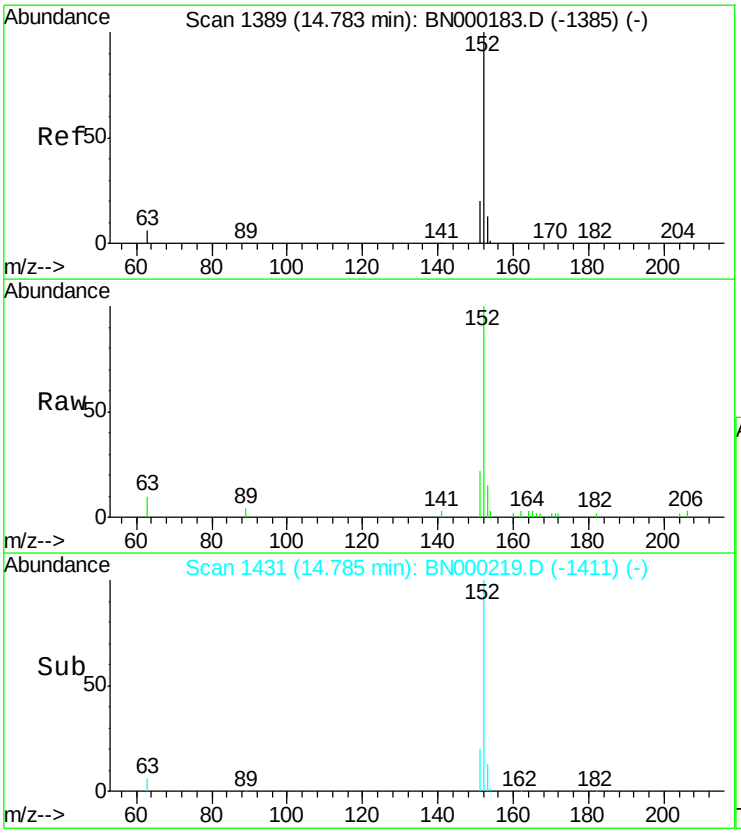
#15
2-Fluorobiphenyl
Concen: 0.326 ng
RT: 13.69 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:172 Resp: 15300

Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.9	44.9
170	23.0	21.8	32.8

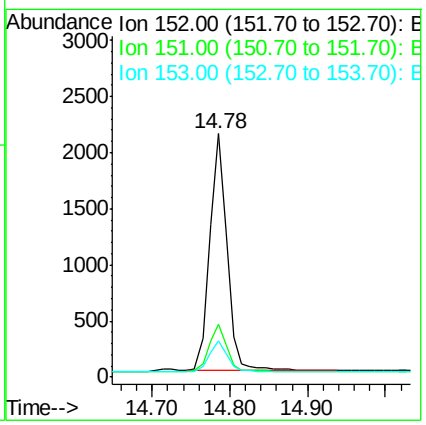


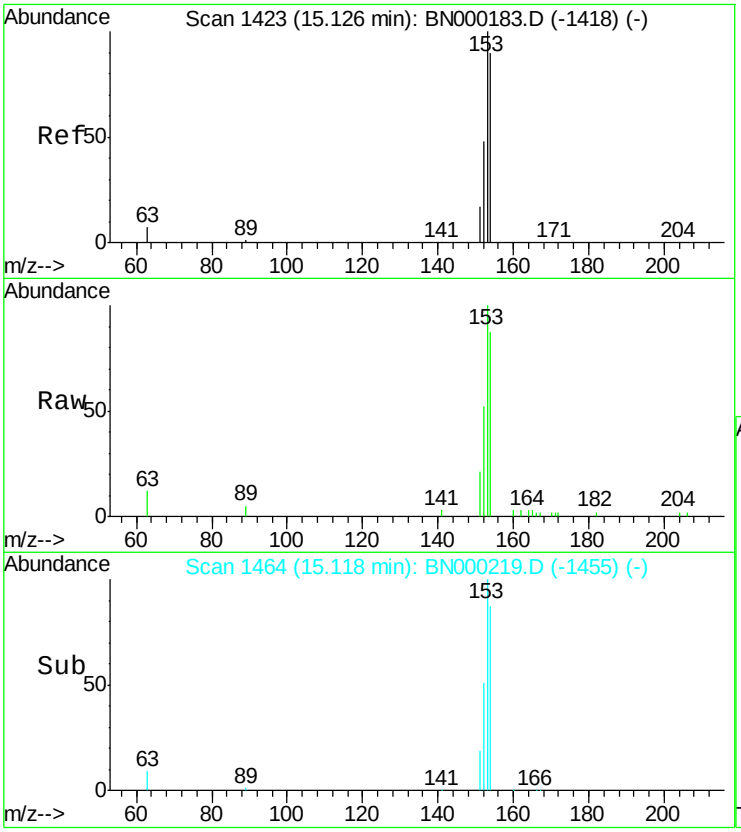


#16
Acenaphthylene
Concen: 0.072 ng
RT: 14.78 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion:152 Resp: 3341

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.7	23.5
153	13.4	10.5	15.7



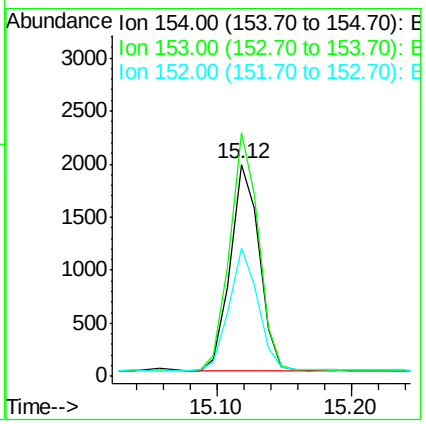


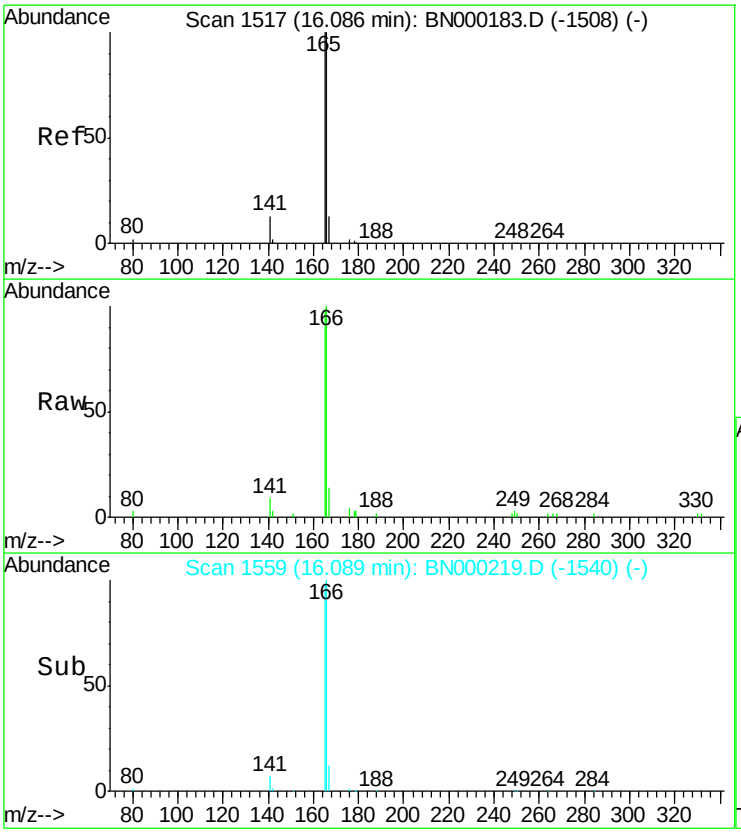
#17
Acenaphthene
Concen: 0.079 ng
RT: 15.12 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:154 Resp: 2920

Ion	Ratio	Lower	Upper
154	100		
153	114.7	89.2	133.8
152	59.1	42.0	63.0

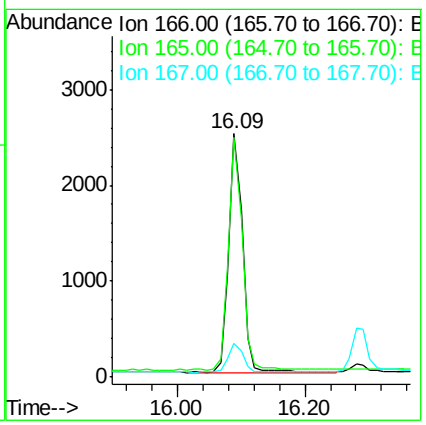


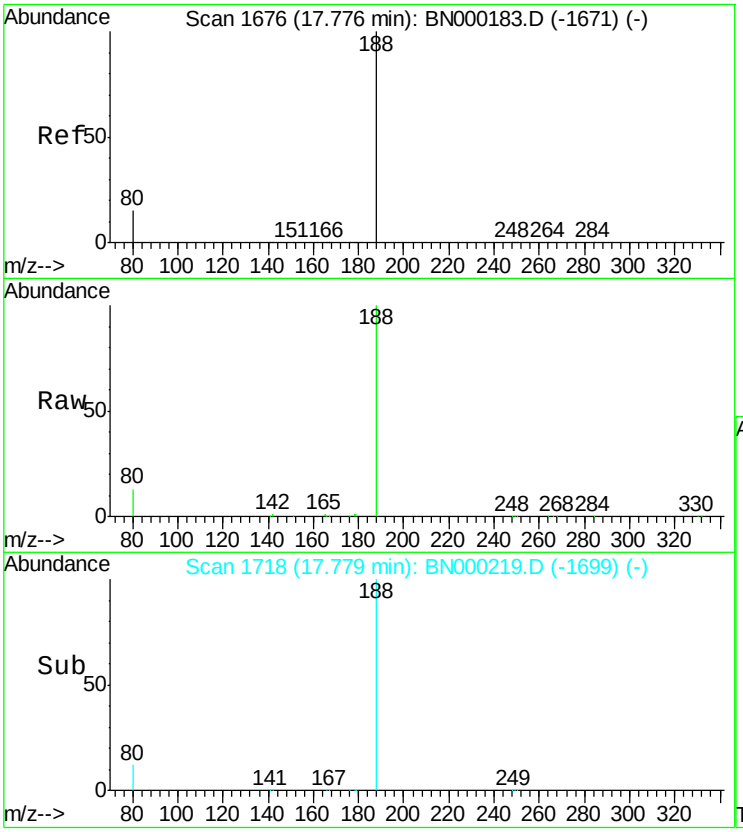


#18
Fluorene
Concen: 0.082 ng
RT: 16.09 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion:166 Resp: 3746

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.8	116.6
167	13.2	42.4	63.6#



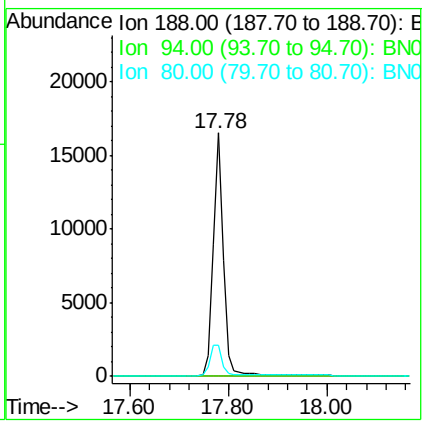


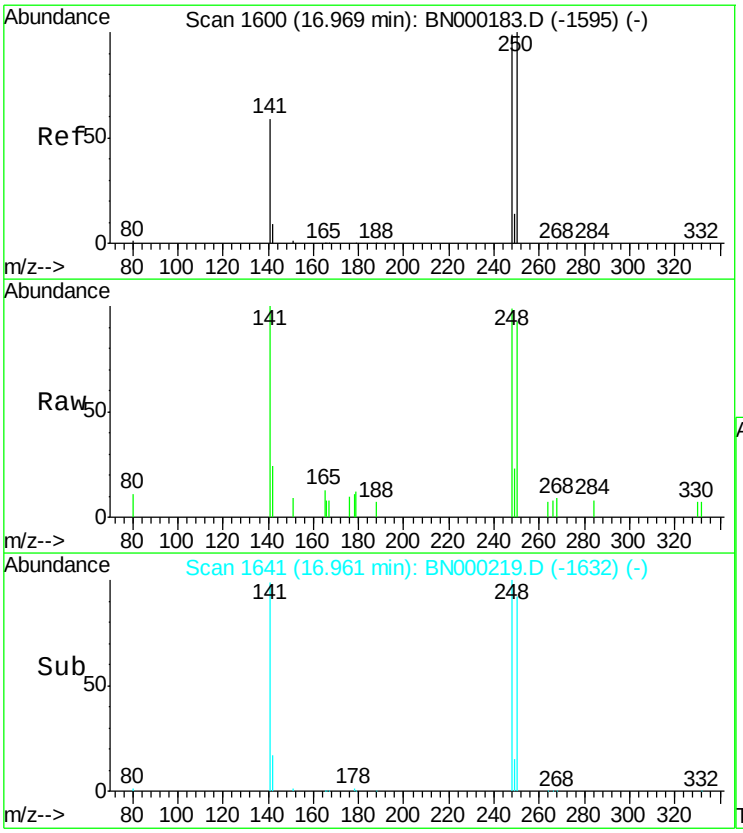
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.78 min Scan# 1718
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:188 Resp: 24534

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	12.8	3.6	5.4#

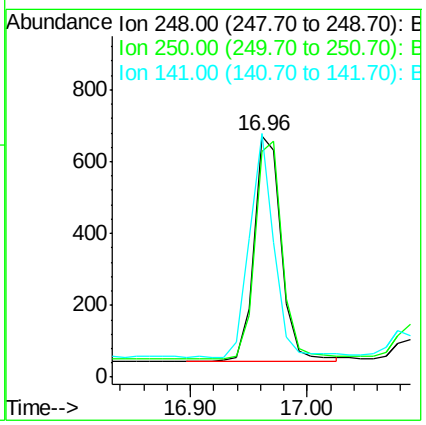


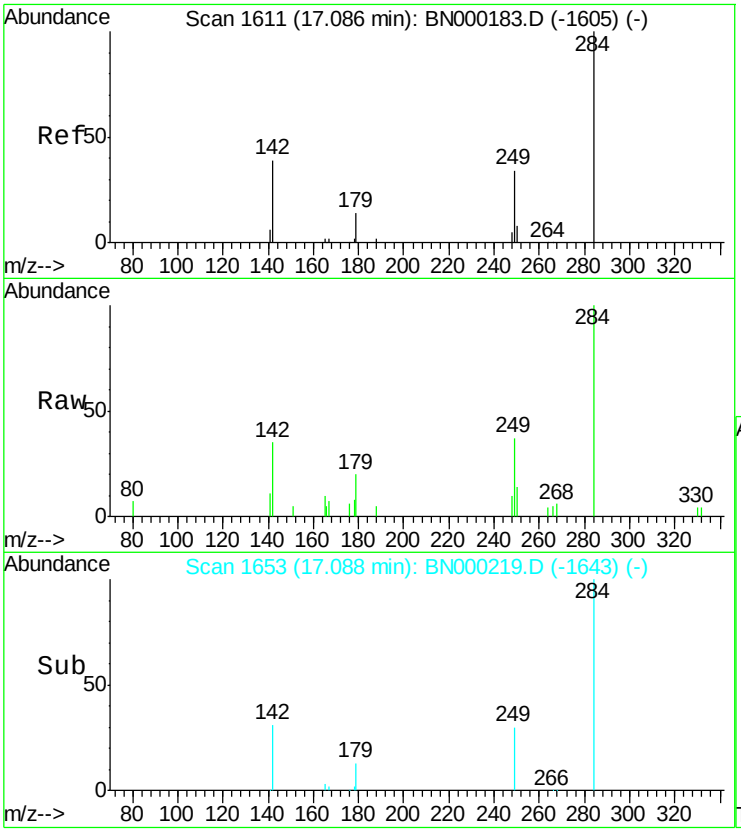


#20
4-Bromophenyl-phenylether
Concen: 0.072 ng
RT: 16.96 min Scan# 1641
Delta R.T. -0.01 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion:248 Resp: 1018

Ion	Ratio	Lower	Upper
248	100		
250	93.3	62.7	94.1
141	100.7	48.2	72.2#



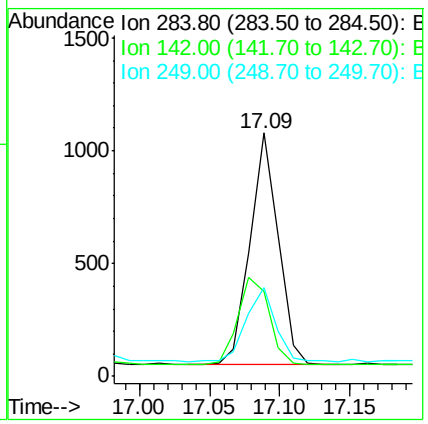


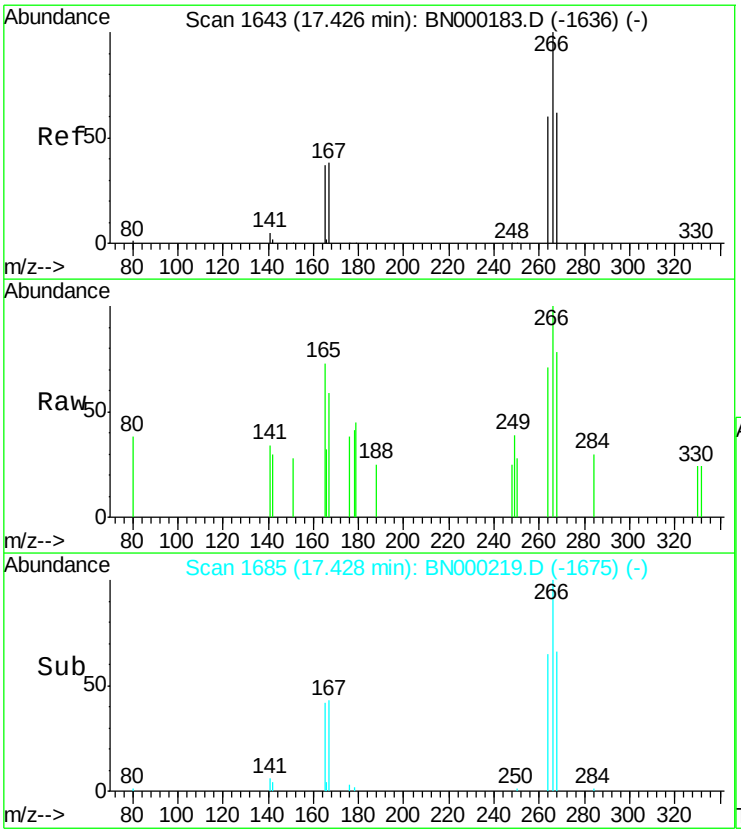
#21
Hexachlorobenzene
Concen: 0.077 ng
RT: 17.09 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:284 Resp: 1448

Ion	Ratio	Lower	Upper
284	100		
142	42.3	32.0	48.0
249	33.8	24.0	36.0

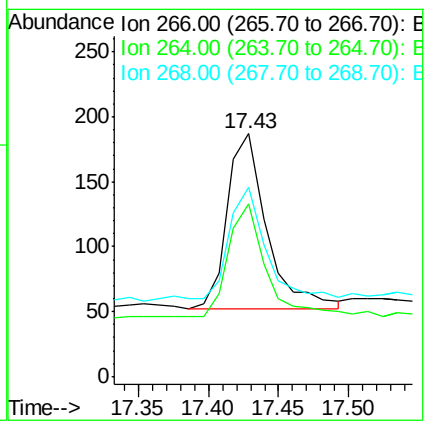


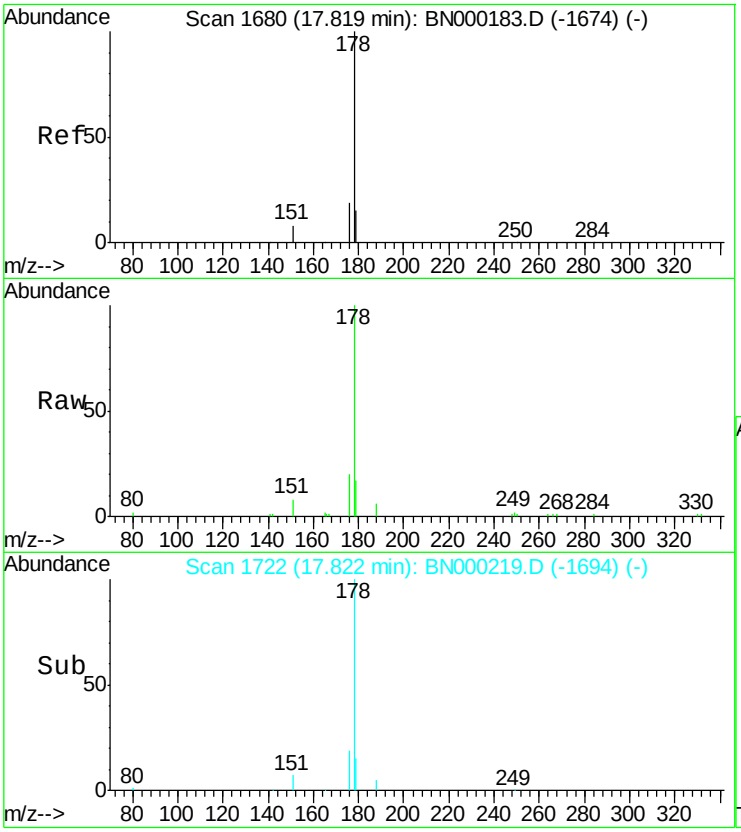


#22
Pentachlorophenol
Concen: 0.140 ng
RT: 17.43 min Scan# 1685
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion:266 Resp: 267

Ion	Ratio	Lower	Upper
266	100		
264	71.1	48.0	72.0
268	78.1	52.0	78.0#



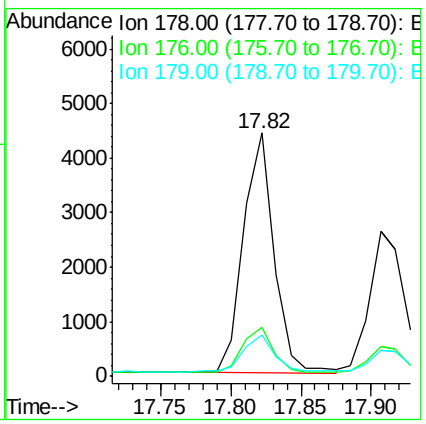


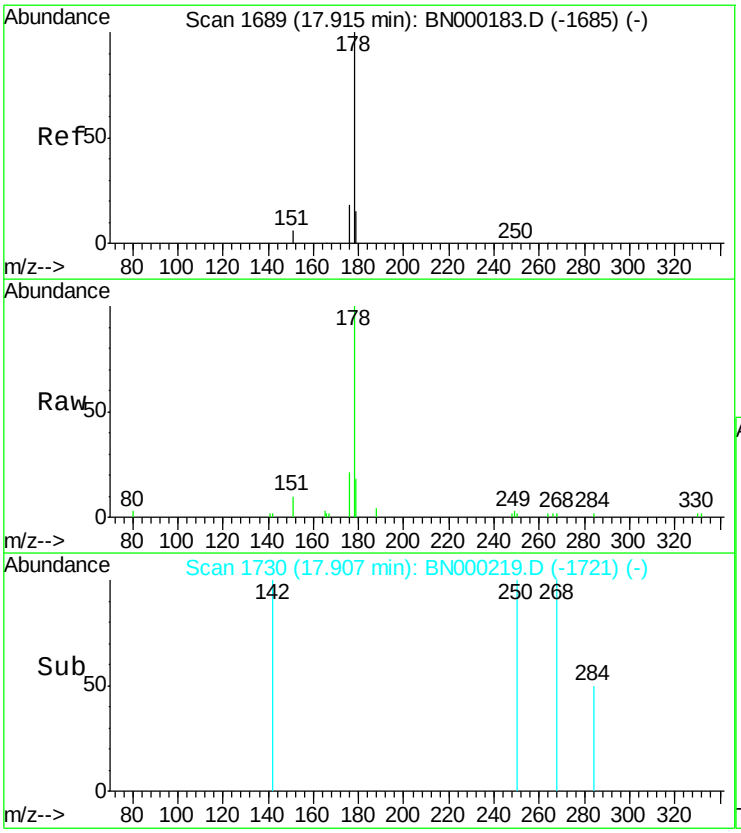
#23
Phenanthrene
Concen: 0.077 ng
RT: 17.82 min Scan# 1722
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:178 Resp: 6682

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.1	22.7
179	16.6	11.8	17.6

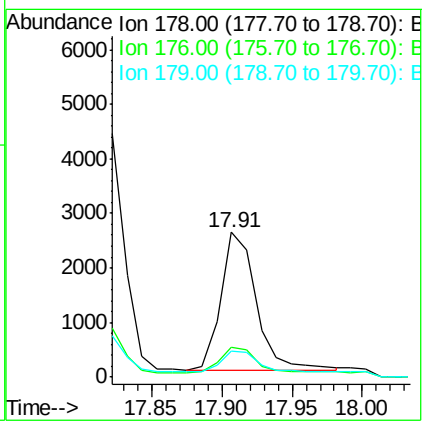


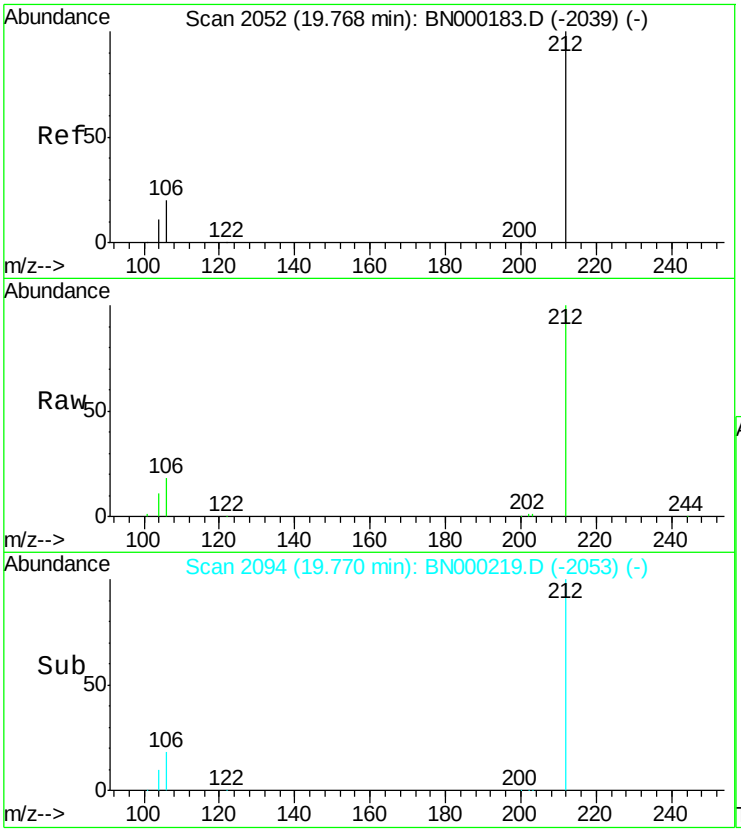


#24
Anthracene
Concen: 0.069 ng
RT: 17.91 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion:178 Resp: 4505

Ion	Ratio	Lower	Upper
178	100		
176	18.6	12.8	19.2
179	15.1	13.0	19.6



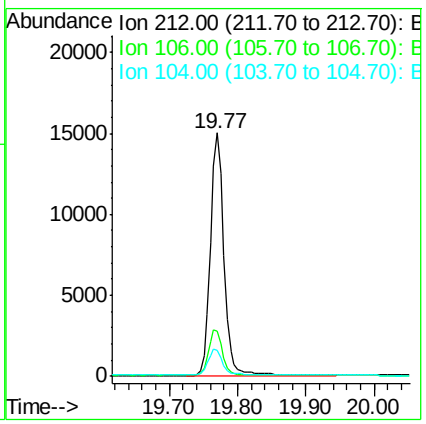


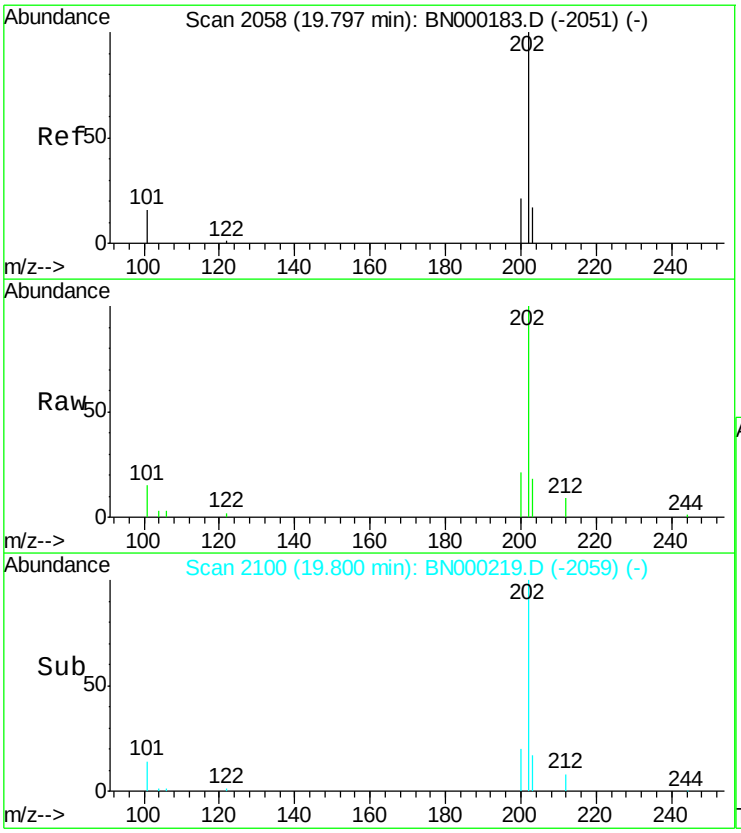
#25
Fluoranthene-d10
Concen: 0.319 ng
RT: 19.77 min Scan# 2094
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:212 Resp: 20888

Ion	Ratio	Lower	Upper
212	100		
106	19.2	2.8	4.2#
104	10.8	1.6	2.4#

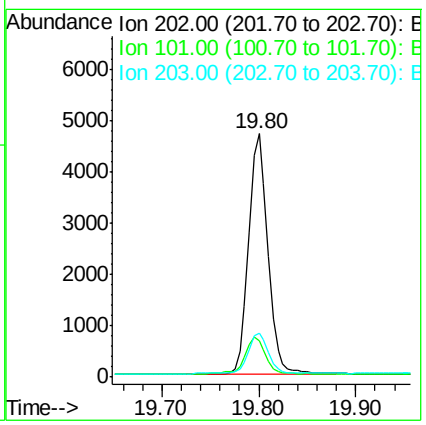


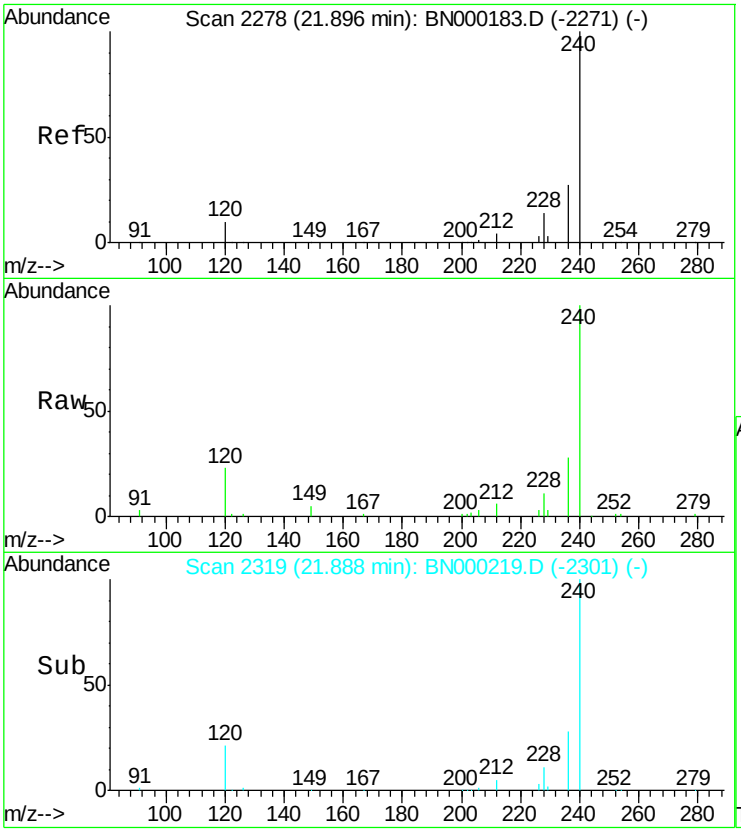


#26
Fluoranthene
Concen: 0.074 ng
RT: 19.80 min Scan# 2100
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion:202 Resp: 6595

Ion	Ratio	Lower	Upper
202	100		
101	16.1	9.8	14.8#
203	17.5	13.7	20.5



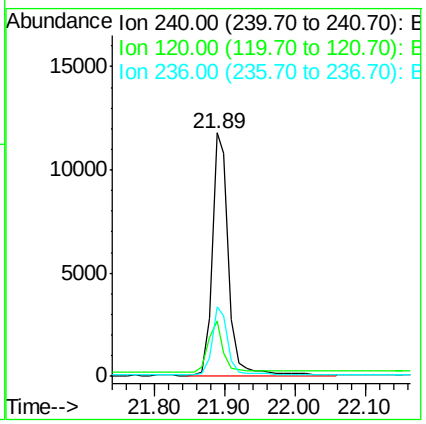


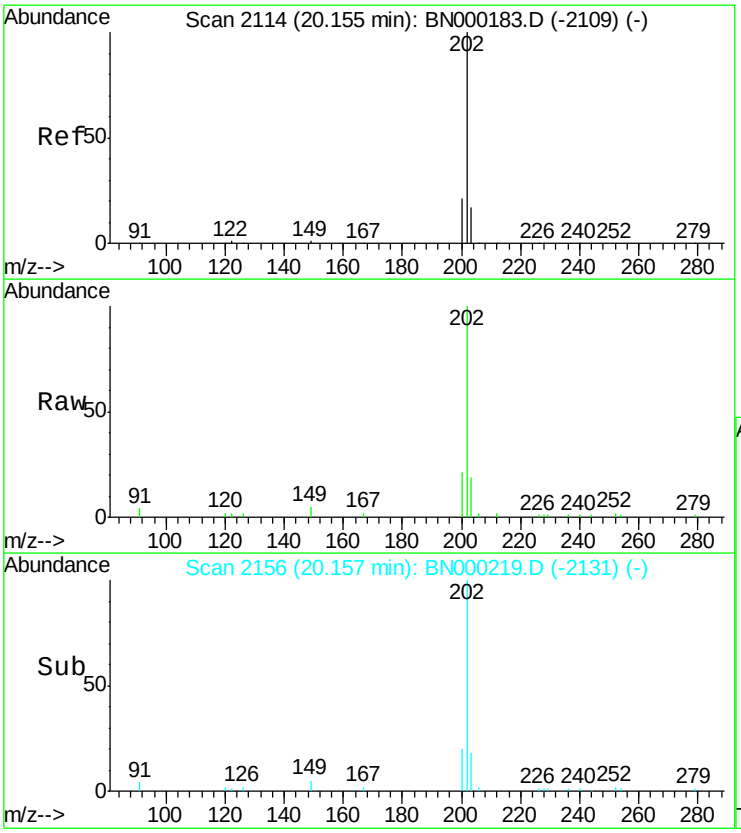
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.89 min Scan# 2319
Delta R.T. -0.01 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:240 Resp: 19274

Ion	Ratio	Lower	Upper
240	100		
120	22.8	5.5	8.3#
236	28.5	20.7	31.1

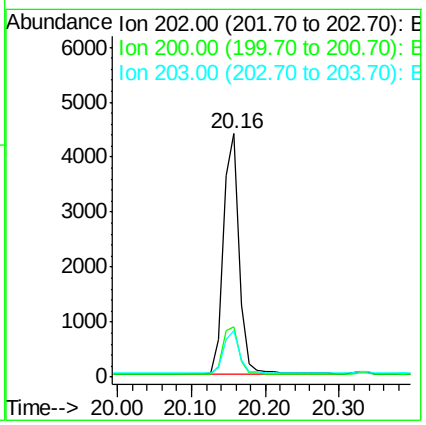


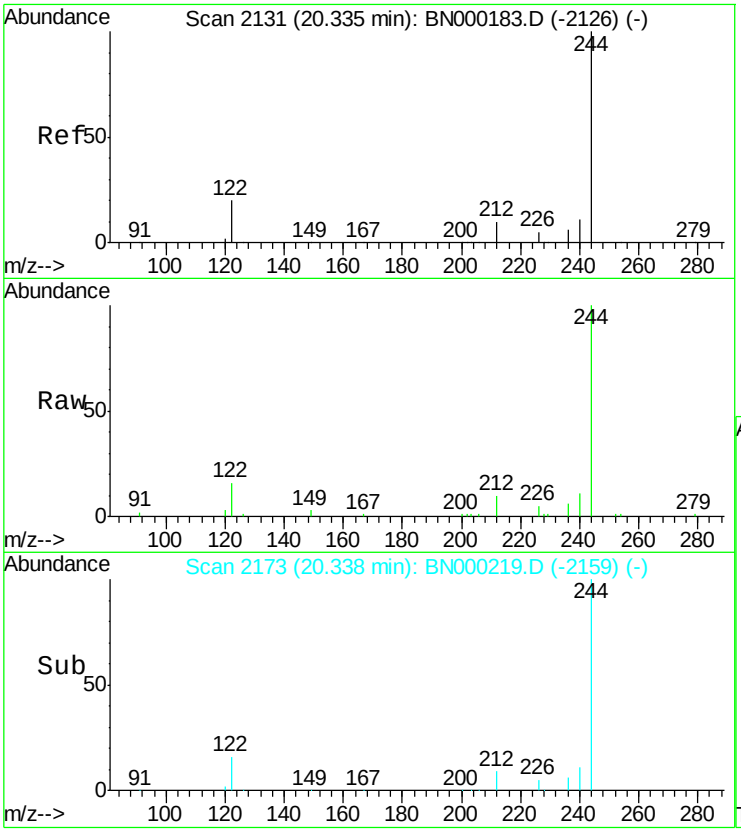


#28
Pyrene
Concen: 0.088 ng
RT: 20.16 min Scan# 2156
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion:202 Resp: 6654

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	17.9	13.8	20.8



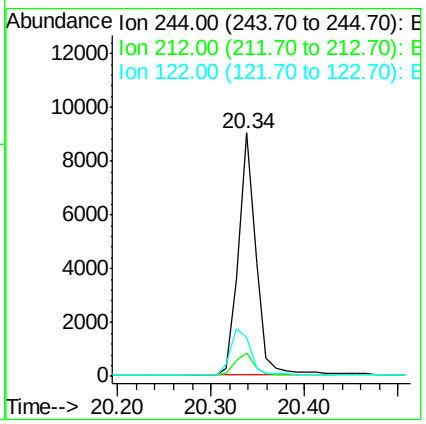


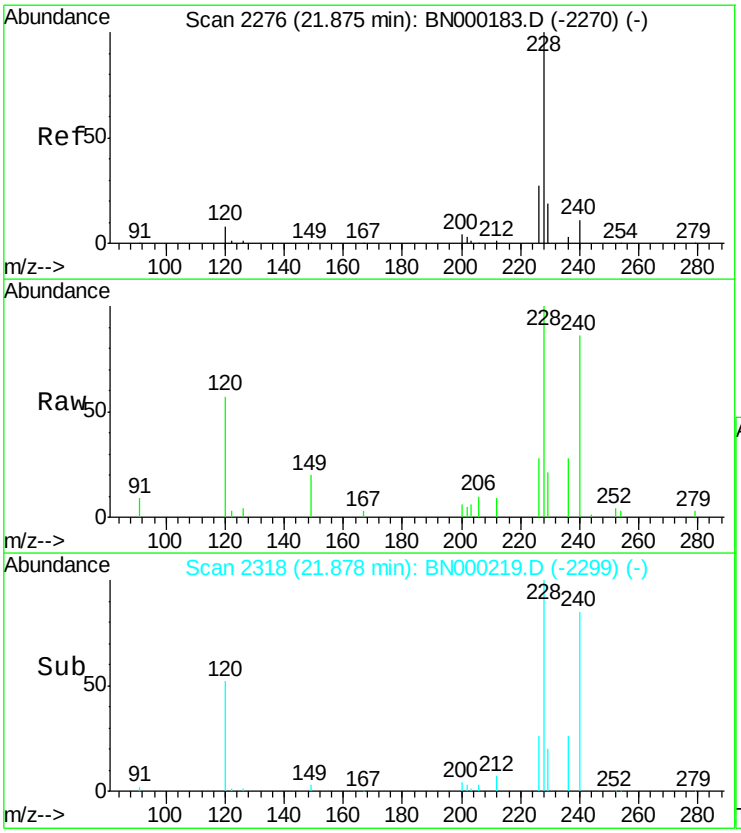
#29
Terphenyl-d14
Concen: 0.347 ng
RT: 20.34 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:244 Resp: 11761

Ion	Ratio	Lower	Upper
244	100		
212	9.8	25.4	38.0#
122	16.1	8.1	12.1#

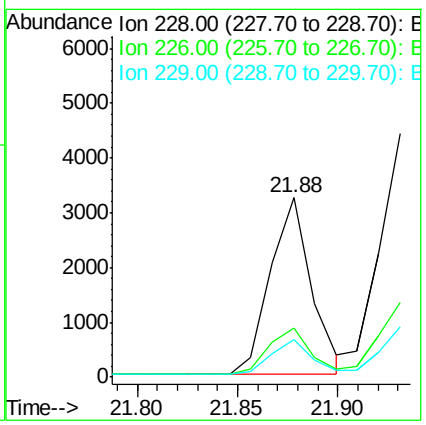


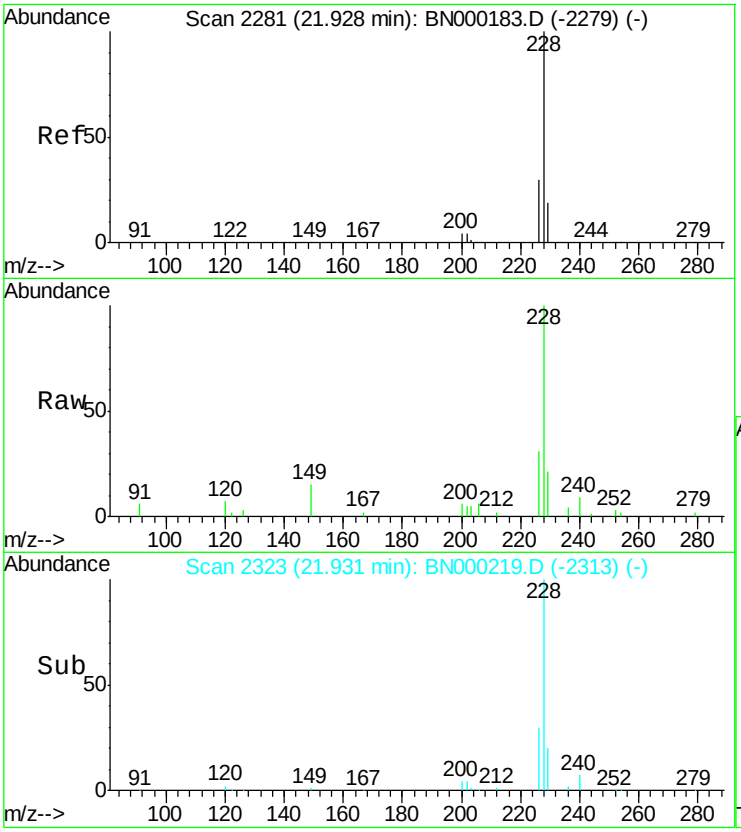


#30
Benzo(a)anthracene
Concen: 0.076 ng
RT: 21.88 min Scan# 2318
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion:228 Resp: 4607

Ion	Ratio	Lower	Upper
228	100		
226	27.6	24.0	36.0
229	20.9	16.0	24.0



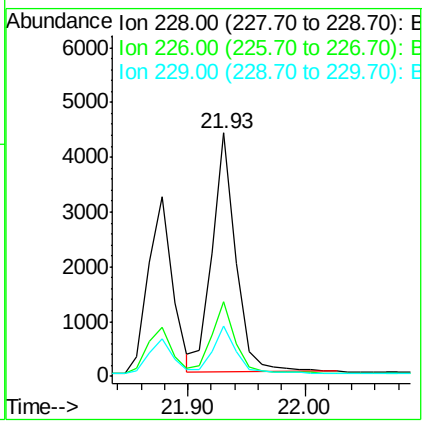


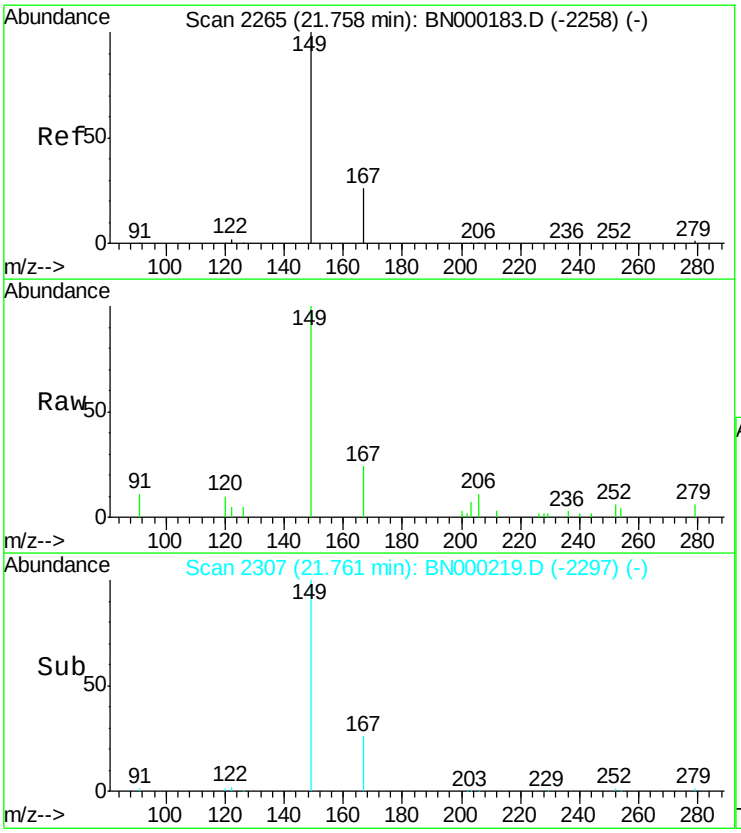
#31
Chrysene
Concen: 0.087 ng
RT: 21.93 min Scan# 2323
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:228 Resp: 6183

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.0	36.0
229	20.5	16.0	24.0

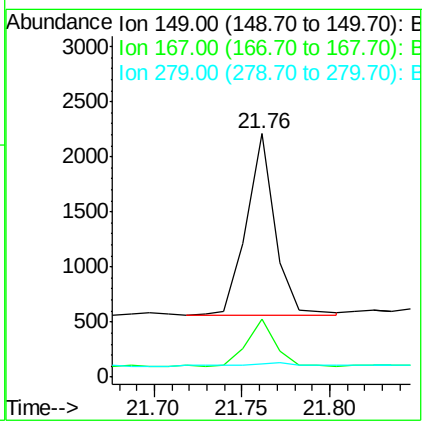


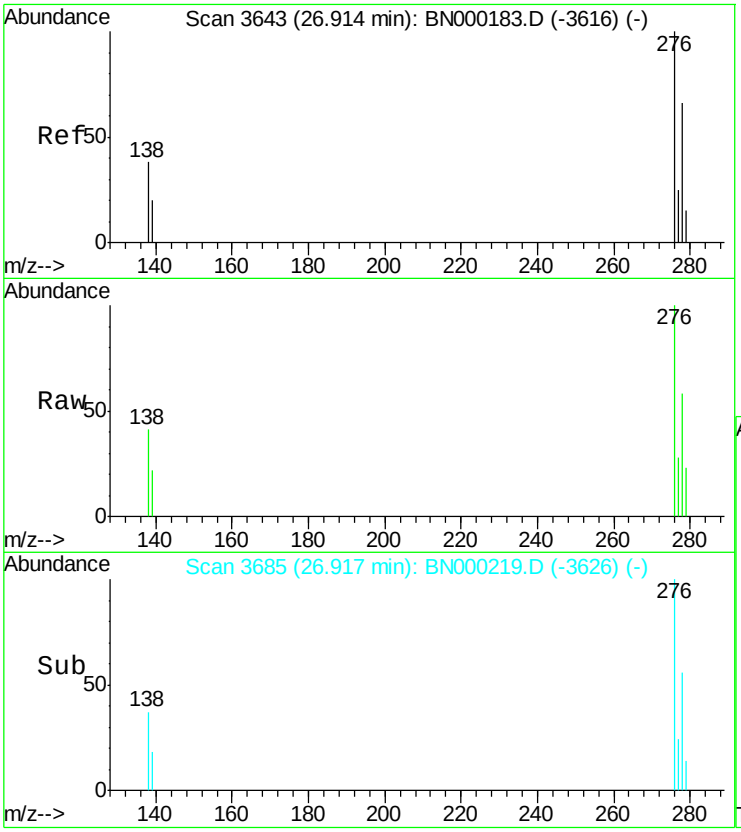


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.082 ng
RT: 21.76 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion:149 Resp: 1860

Ion	Ratio	Lower	Upper
149	100		
167	26.2	20.0	30.0
279	2.2	1.6	2.4



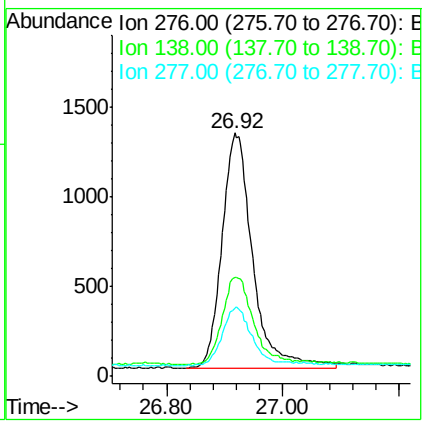


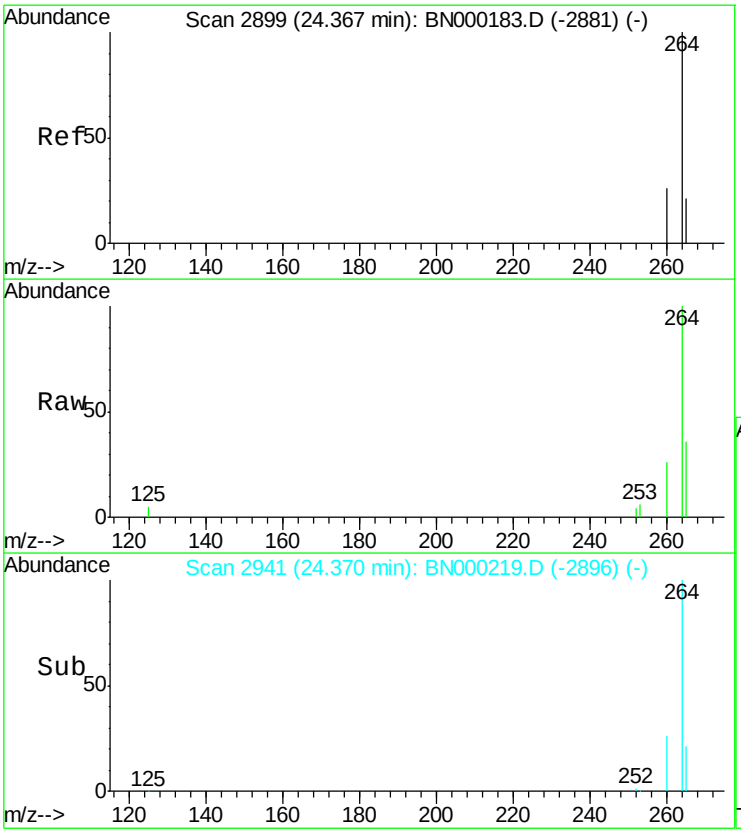
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.072 ng
RT: 26.92 min Scan# 3685
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:276 Resp: 4793

Ion	Ratio	Lower	Upper
276	100		
138	37.5	22.5	33.7#
277	23.7	19.9	29.9

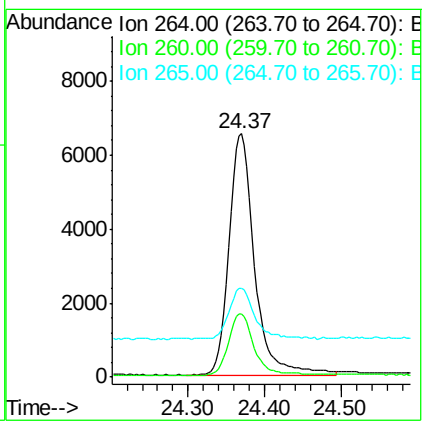


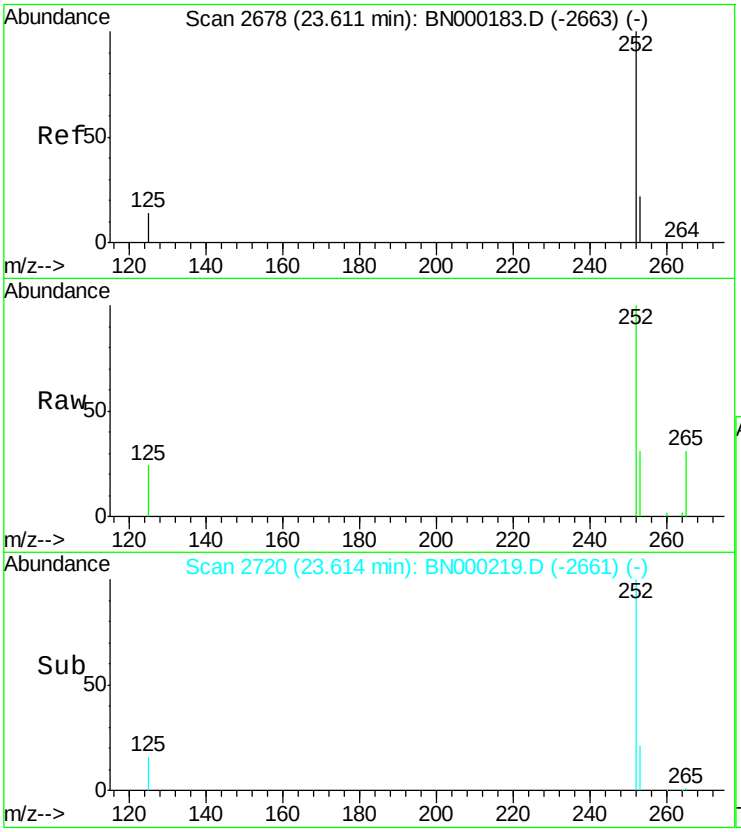


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.37 min Scan# 2941
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion:264 Resp: 15293

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.5	30.7
265	36.5	22.8	34.2#



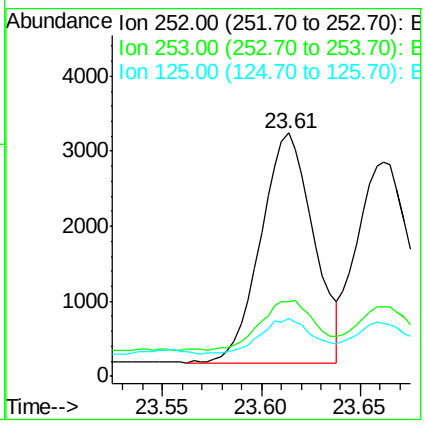


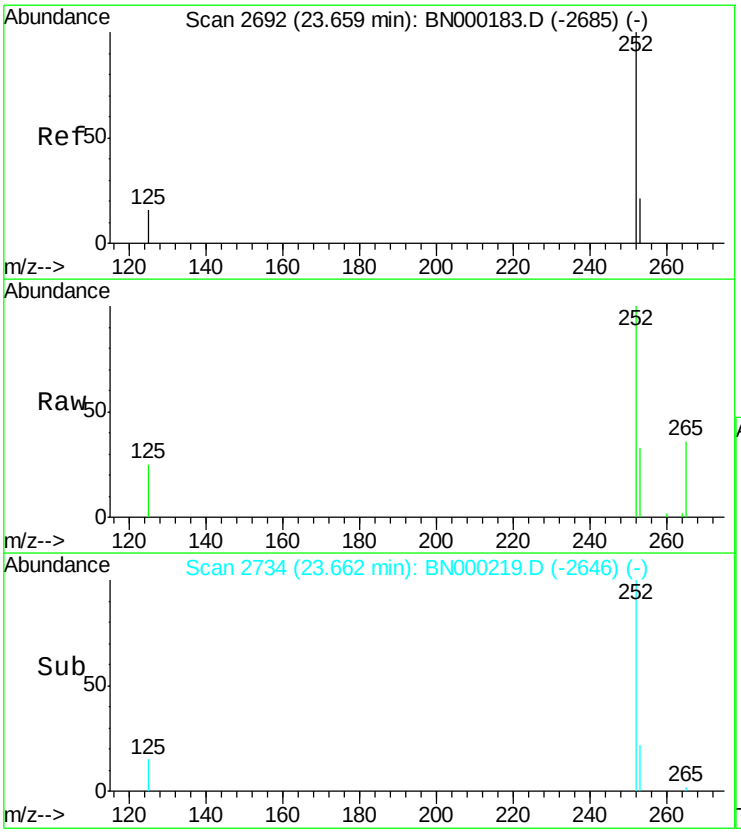
#35
Benzo(b)fluoranthene
Concen: 0.081 ng
RT: 23.61 min Scan# 2720
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:252 Resp: 5658

Ion	Ratio	Lower	Upper
252	100		
253	30.9	20.0	30.0#
125	23.6	16.0	24.0

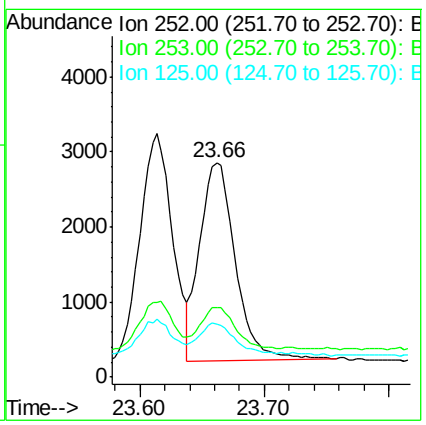


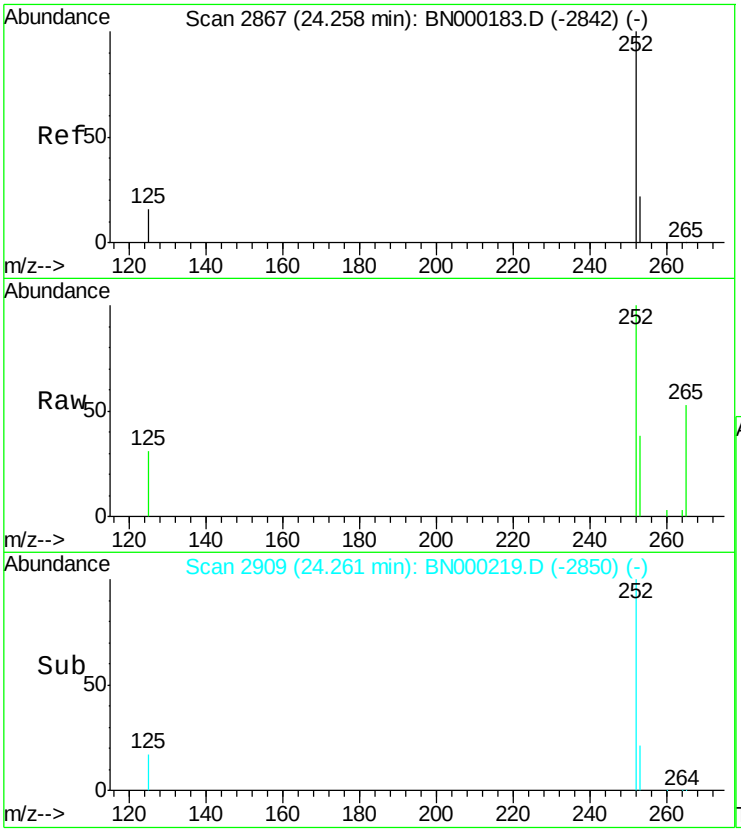


#36
Benzo(k)fluoranthene
Concen: 0.077 ng
RT: 23.66 min Scan# 2734
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion:252 Resp: 5253

Ion	Ratio	Lower	Upper
252	100		
253	32.7	16.0	24.0#
125	24.6	8.0	12.0#



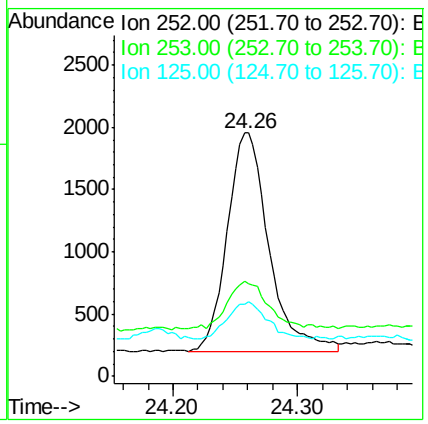


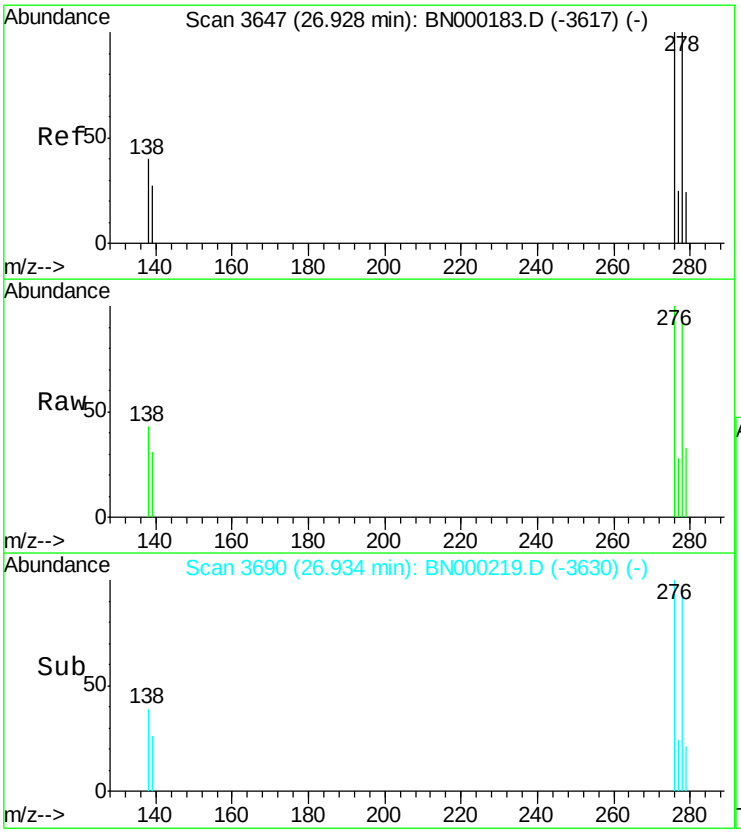
#37
Benzo(a)pyrene
Concen: 0.072 ng
RT: 24.26 min Scan# 2909
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:252 Resp: 4073

Ion	Ratio	Lower	Upper
252	100		
253	37.9	16.0	24.0#
125	30.6	12.0	18.0#

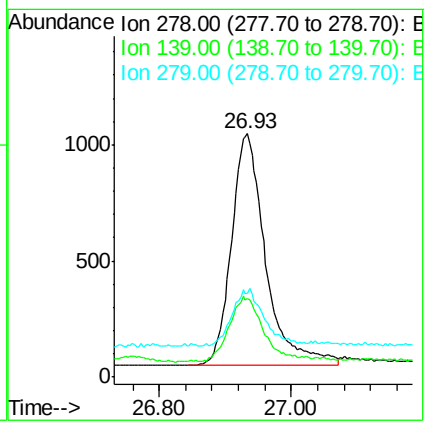


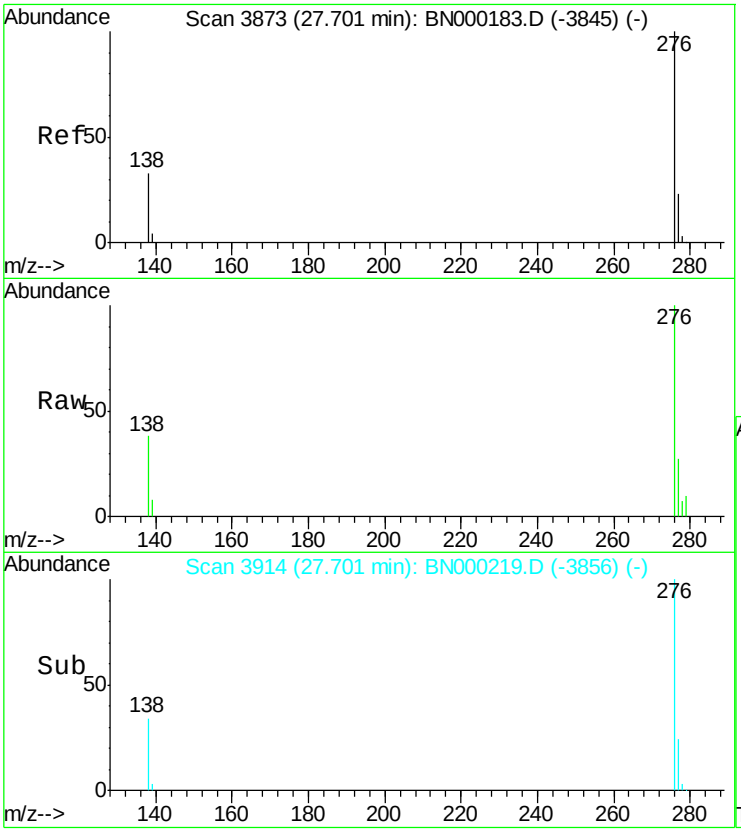


#38
Dibenzo(a,h)anthracene
Concen: 0.071 ng
RT: 26.93 min Scan# 3690
Delta R.T. 0.01 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion:278 Resp: 3593

Ion	Ratio	Lower	Upper
278	100		
139	32.3	16.0	24.0#
279	34.4	20.0	30.0#





#39
Benzo(g,h,i)perylene
Concen: 0.082 ng
RT: 27.70 min Scan# 3914
Delta R.T. -0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:276 Resp: 4878

Ion	Ratio	Lower	Upper
276	100		
277	27.3	16.0	24.0#
138	37.7	20.0	30.0#