Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN030118\
Data File : BN000221.D
Acq On : 01 Mar 2018 17:20
Operator : JU/SJ
Sample : J1161-03
Misc : MDL 0.1 PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-SOIL-03-QT1-2018

Quant Time: Mar 01 18:03:18 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	6618	0.40	ng		0.00
7) Naphthalene-d8	11.29	136	24257	0.40	ng		0.00
13) Acenaphthene-d10	15.06	164	12107	0.40	ng		0.00
19) Phenanthrene-d10	17.78	188	27944	0.40	ng		0.00
27) Chrysene-d12	21.89	240	20111	0.40	ng		0.00
34) Perylene-d12	24.37	264	15378	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.93	112	4739	0.34	ng		0.00
5) Phenol-d6	7.57	99	5738	0.32	ng		0.00
8) Nitrobenzene-d5	9.63	82	4491	0.31	ng		0.00
11) 2-Methylnaphthalene-d10	12.85	152	13194	0.36	ng		0.00
14) 2,4,6-Tribromophenol	16.53	330	1151	0.30	ng		0.00
15) 2-Fluorobiphenyl	13.69	172	19528	0.34	ng		0.00
25) Fluoranthene-d10	19.77	212	23660	0.32	ng		0.00
29) Terphenyl-d14	20.33	244	13320	0.38	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.66	88	668	0.097	ng		95
3) n-Nitrosodimethylamine	4.05	42	210	0.135	ng	#	84
6) bis(2-Chloroethyl)ether	7.85	93	2007	0.089	ng		99
9) Naphthalene	11.34	128	6554	0.092	ng	#	94
10) Hexachlorobutadiene	11.62	225	1108	0.092	ng		99
12) 2-Methylnaphthalene	12.92	142	4203	0.090	ng		99
16) Acenaphthylene	14.79	152	4469	0.078	ng		100
17) Acenaphthene	15.12	154	3945	0.088	ng		95
18) Fluorene	16.09	166	4814	0.086	ng	#	80
20) 4-Bromophenyl-phenylether	16.96	248	1320	0.082	ng	#	64
21) Hexachlorobenzene	17.09	284	1871	0.087	ng		95
22) Pentachlorophenol	17.43	266	300	0.140	ng		92
23) Phenanthrene	17.82	178	8381	0.085	ng		97
24) Anthracene	17.91	178	5516	0.074	ng		96
26) Fluoranthene	19.80	202	8132	0.080	ng	#	95
28) Pyrene	20.15	202	8011	0.101	ng		99
30) Benzo(a)anthracene	21.87	228	5308	0.084	ng		98
31) Chrysene	21.93	228	6795	0.092	ng		98
32) Bis(2-ethylhexyl)phthalate	21.76	149	2237	0.095	ng		99
33) Indeno(1,2,3-cd)pyrene	26.92	276	5093	0.074	ng	#	88
35) Benzo(b)fluoranthene	23.61	252	6348	0.090	ng	#	91
36) Benzo(k)fluoranthene	23.66	252	5680	0.083	ng	#	71
37) Benzo(a)pyrene	24.26	252	4510	0.079	ng	#	65
38) Dibenzo(a,h)anthracene	26.93	278	3959	0.078	ng	#	79
39) Benzo(g,h,i)perylene	27.70	276	5236	0.087	ng	#	80

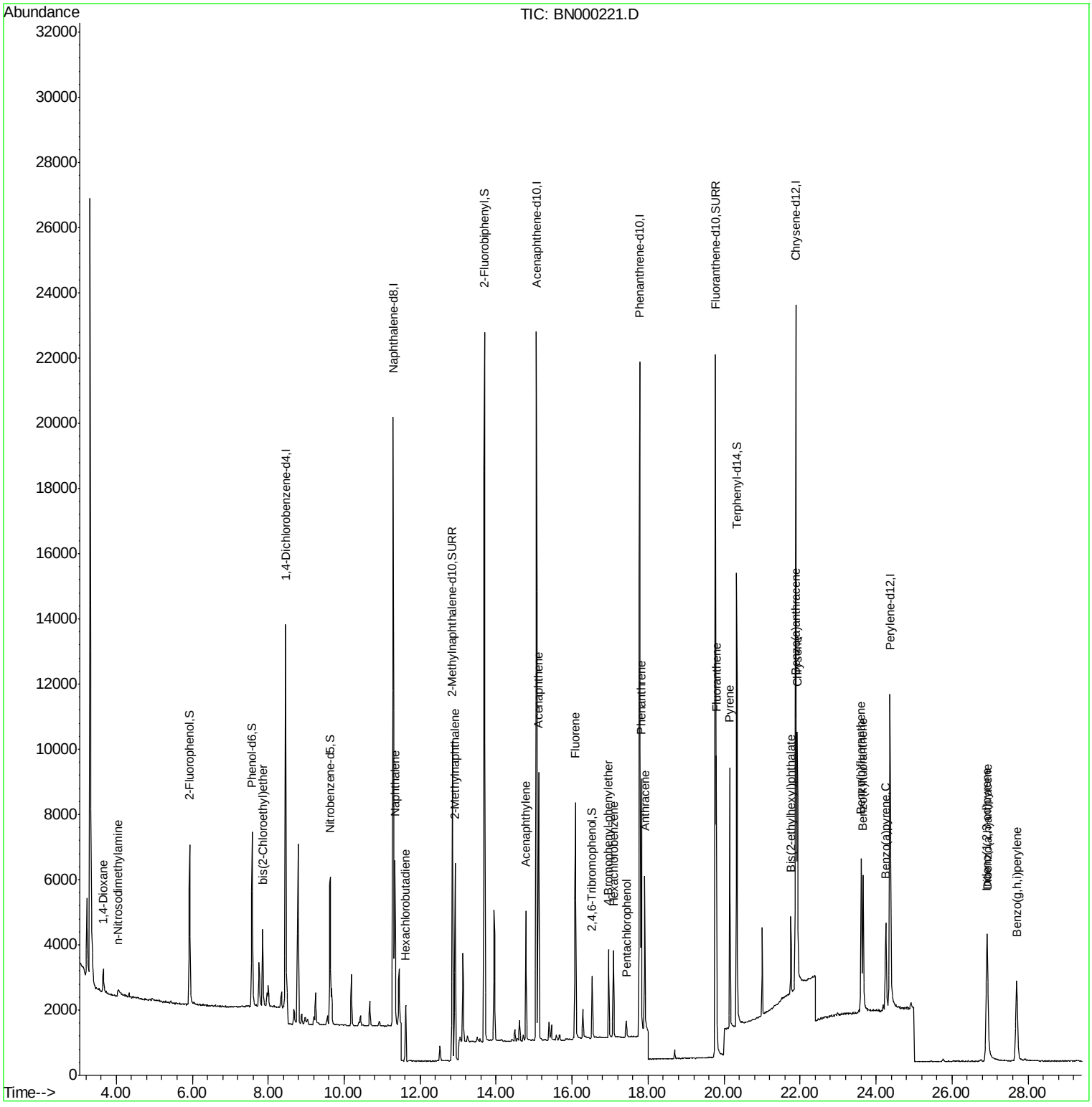
(#) = qualifier out of range (m) = manual integration (+) = signals summed

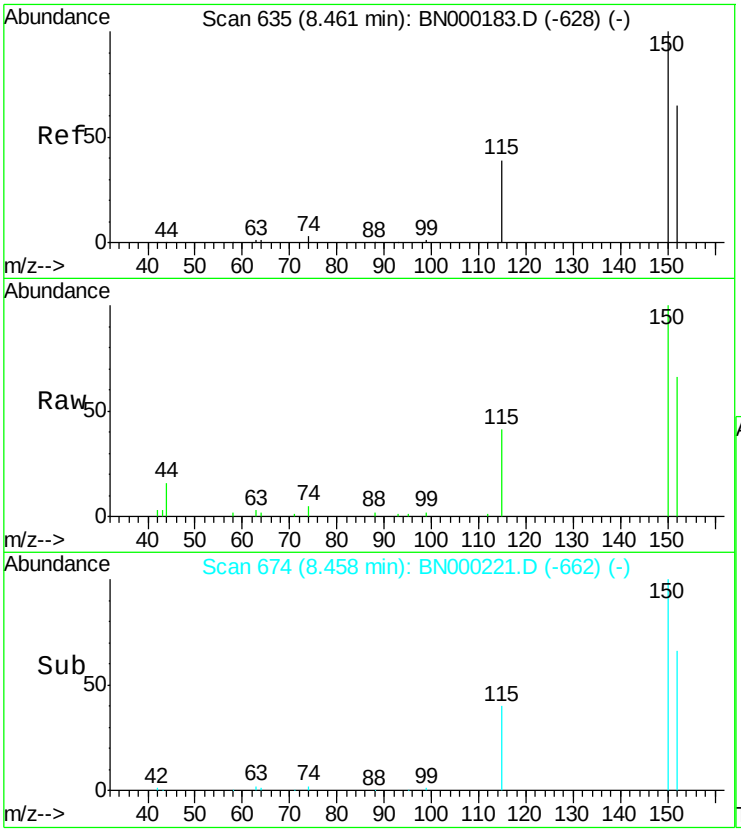
Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN030118\
Data File : BN000221.D
Acq On : 01 Mar 2018 17:20
Operator : JU/SJ
Sample : J1161-03
Misc : MDL 0.1 PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Quant Time: Mar 01 18:03:18 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



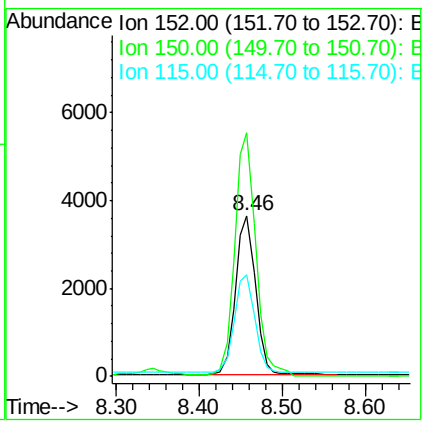


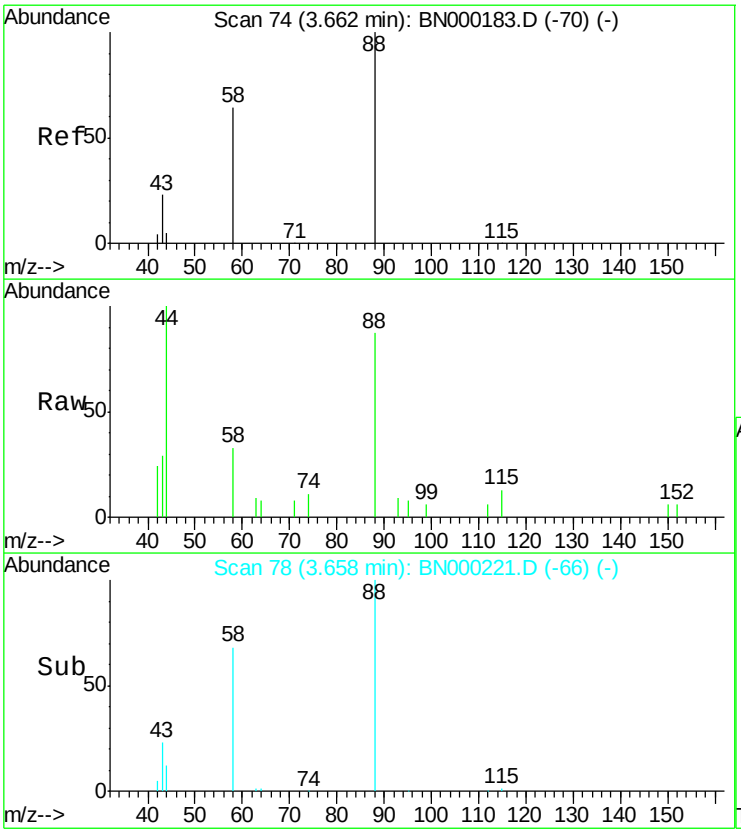
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.46 min Scan# 674
Delta R.T. -0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:152 Resp: 6618

Ion	Ratio	Lower	Upper
152	100		
150	151.3	117.2	175.8
115	62.7	57.0	85.6

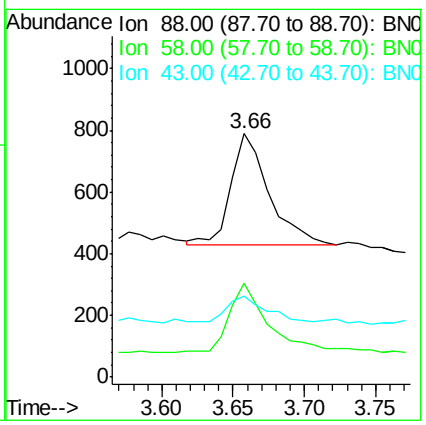


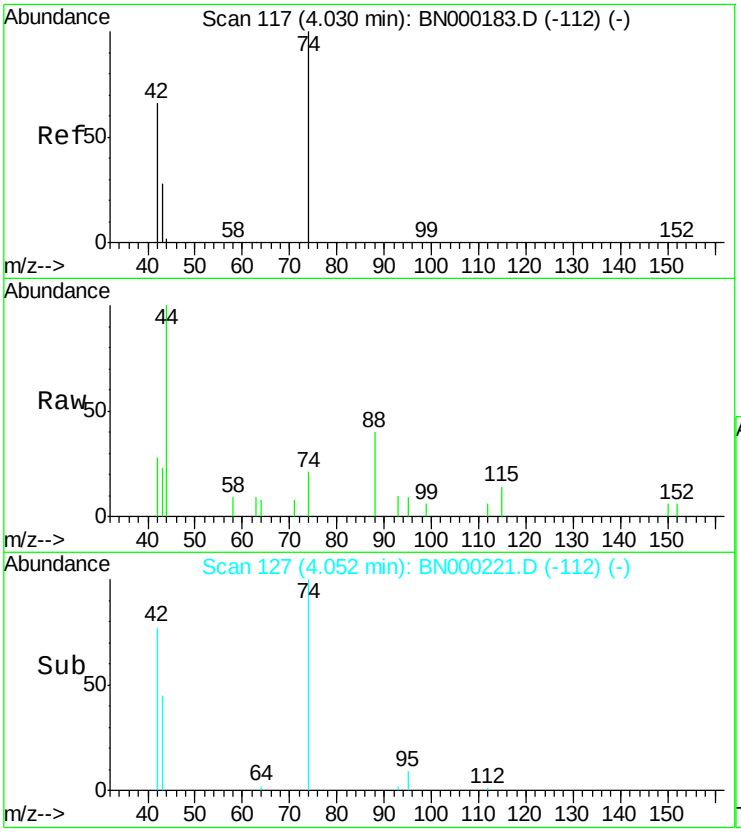


#2
1,4-Dioxane
Concen: 0.097 ng
RT: 3.66 min Scan# 78
Delta R.T. -0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion: 88 Resp: 668

Ion	Ratio	Lower	Upper
88	100		
58	63.6	48.0	72.0
43	23.1	20.0	30.0



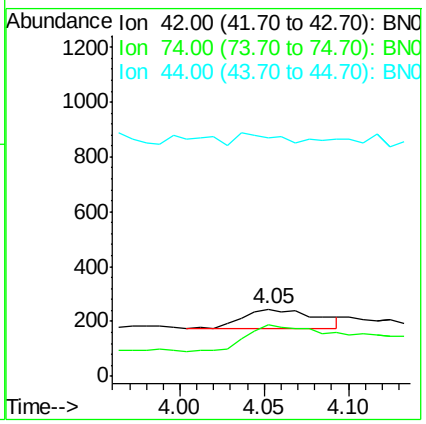


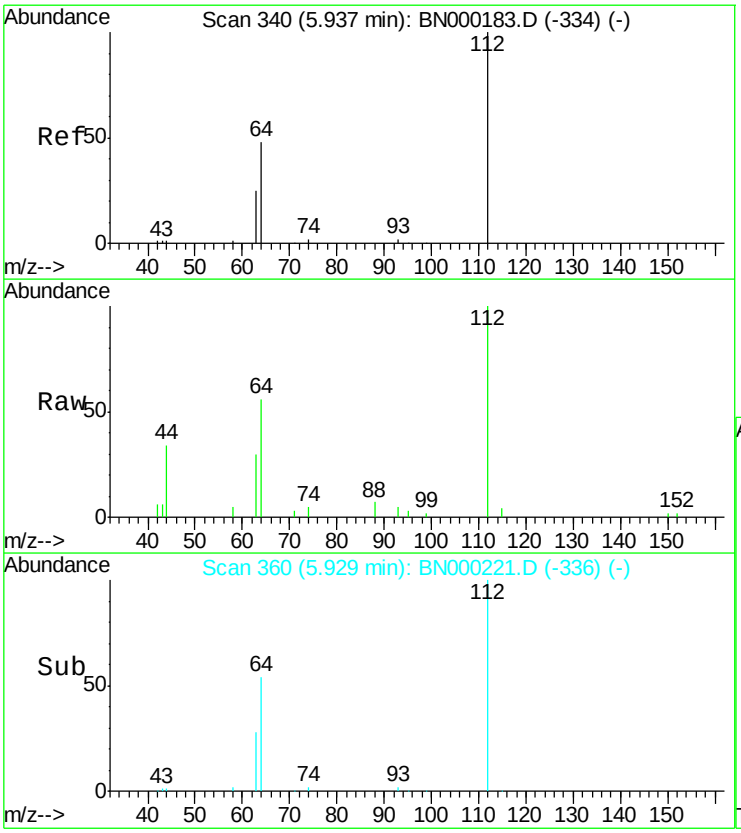
#3
n-Nitrosodimethylamine
Concen: 0.135 ng
RT: 4.05 min Scan# 127
Delta R.T. 0.02 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion: 42 Resp: 210

Ion	Ratio	Lower	Upper
42	100		
74	133.3	120.0	180.0
44	35.7	4.0	6.0#

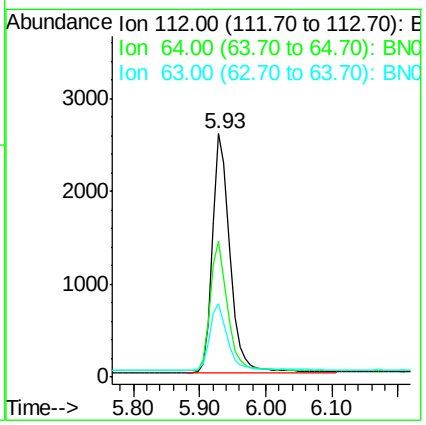


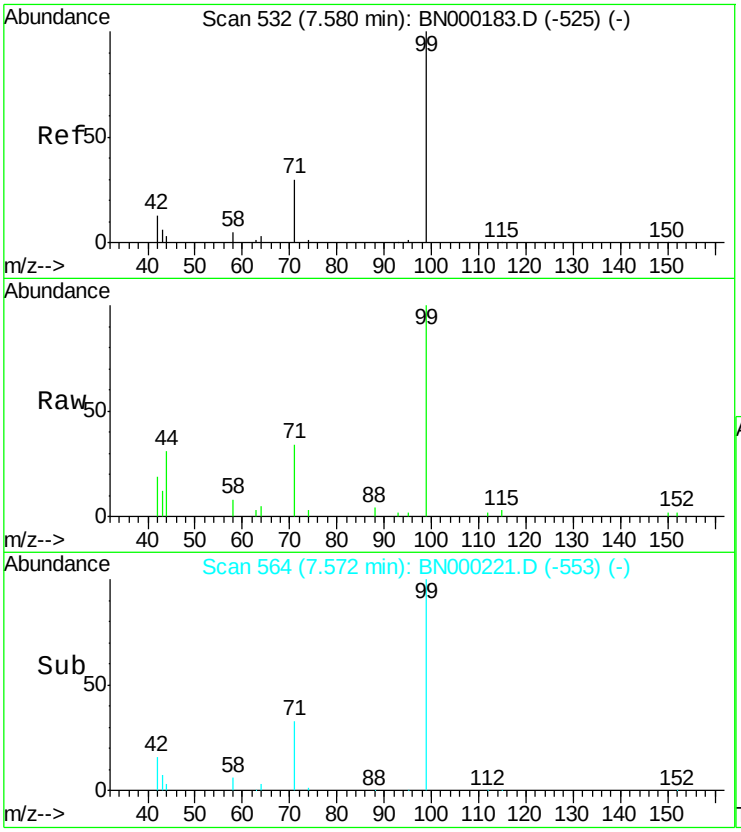


#4
2-Fluorophenol
Concen: 0.339 ng
RT: 5.93 min Scan# 360
Delta R.T. -0.01 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion:112 Resp: 4739

Ion	Ratio	Lower	Upper
112	100		
64	53.3	60.1	90.1#
63	28.6	116.8	175.2#



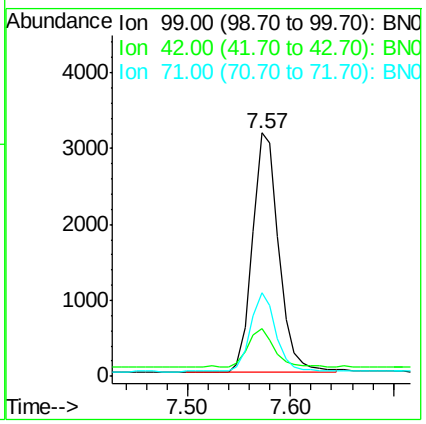


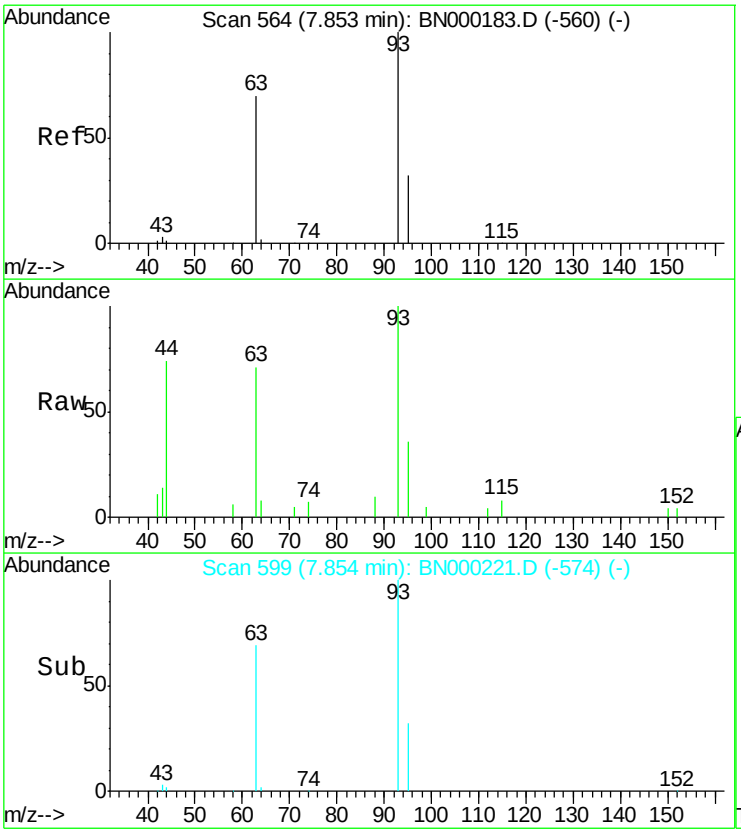
#5
Phenol-d6
Concen: 0.323 ng
RT: 7.57 min Scan# 564
Delta R.T. -0.01 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion: 99 Resp: 5738

Ion	Ratio	Lower	Upper
99	100		
42	16.4	20.2	30.2#
71	31.2	28.4	42.6

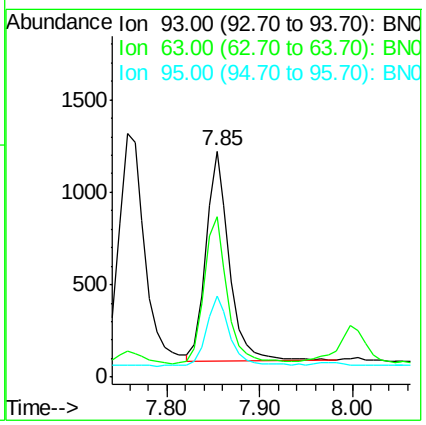


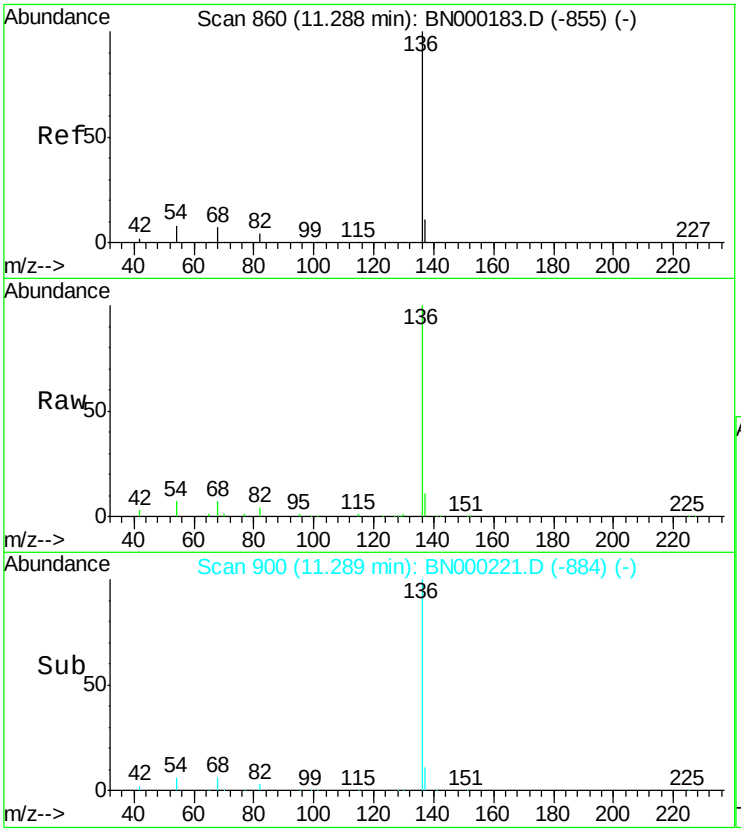


#6
bis(2-Chloroethyl)ether
Concen: 0.089 ng
RT: 7.85 min Scan# 599
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion: 93 Resp: 2007

Ion	Ratio	Lower	Upper
93	100		
63	70.3	56.0	84.0
95	33.4	25.2	37.8



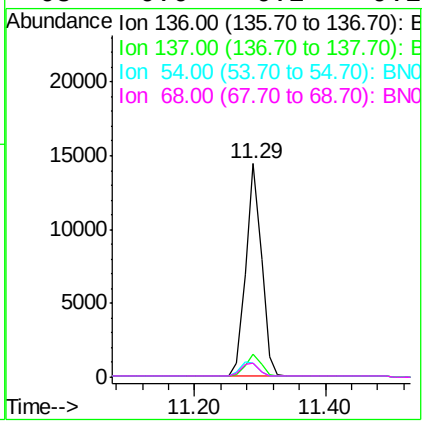


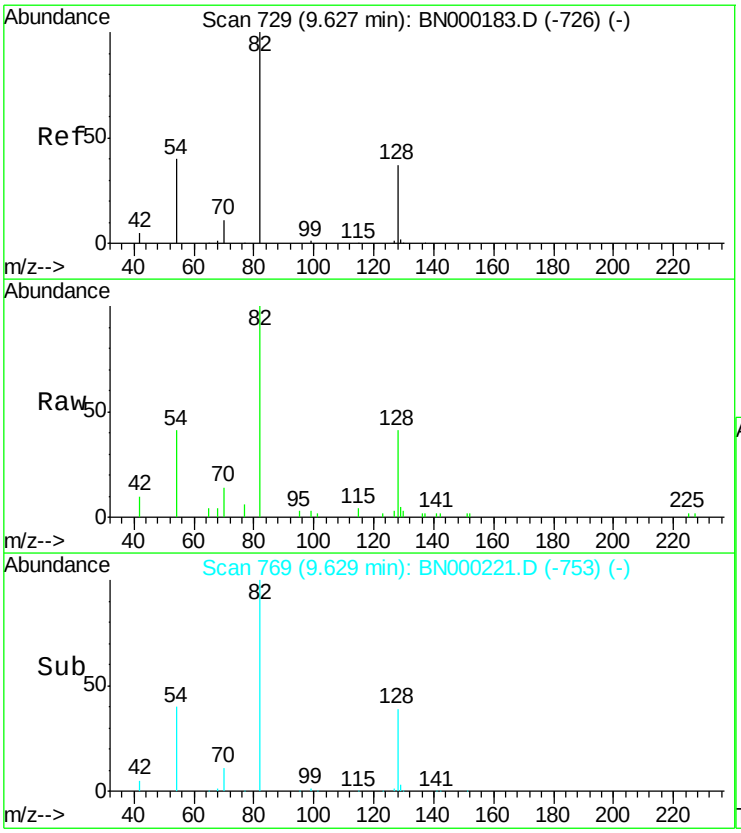
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.29 min Scan# 900
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:136 Resp: 24257

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.5	14.3
54	6.8	29.1	43.7#
68	6.6	6.2	9.2

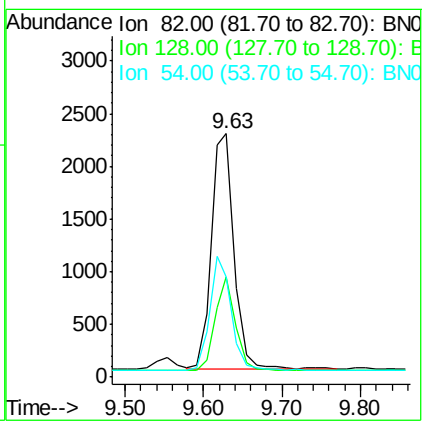


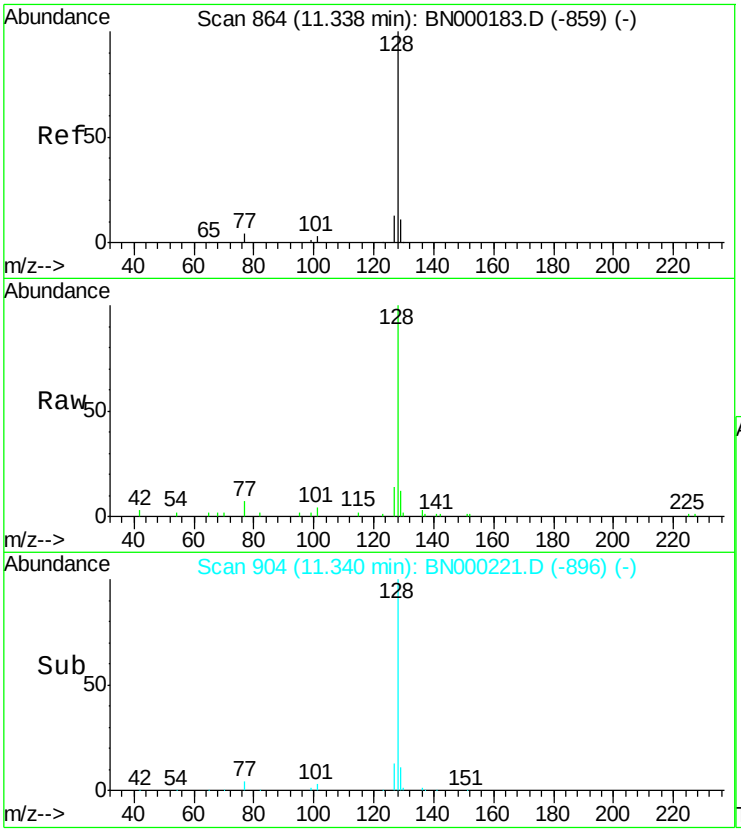


#8
Nitrobenzene-d5
Concen: 0.312 ng
RT: 9.63 min Scan# 769
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion: 82 Resp: 4491

Ion	Ratio	Lower	Upper
82	100		
128	41.0	150.0	225.0#
54	41.2	154.2	231.4#



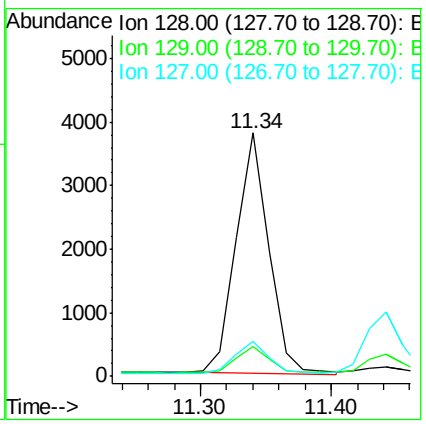


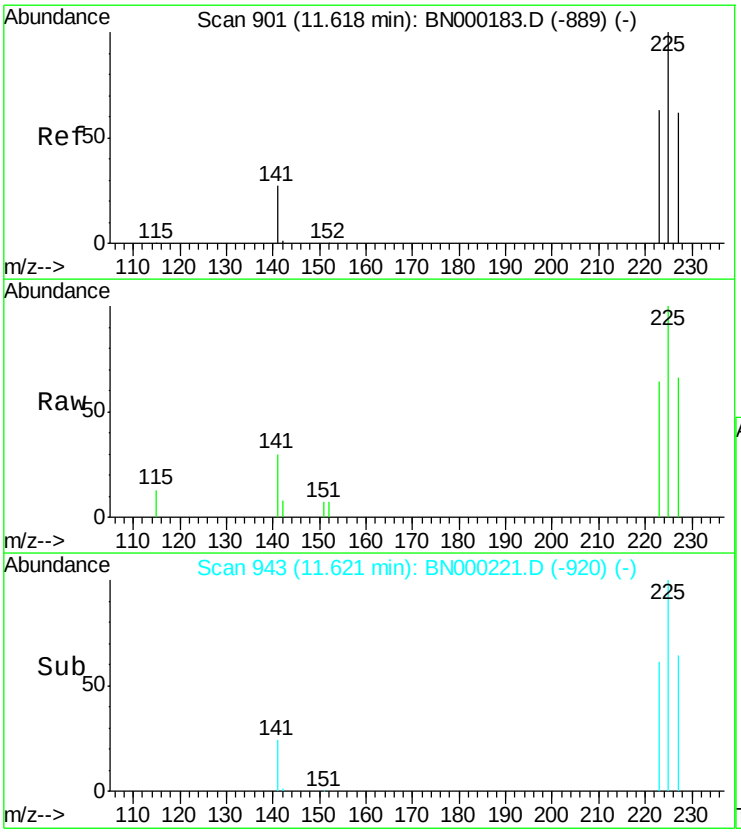
#9
Naphthalene
Concen: 0.092 ng
RT: 11.34 min Scan# 904
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:128 Resp: 6554

Ion	Ratio	Lower	Upper
128	100		
129	12.3	8.0	12.0#
127	14.4	9.6	14.4

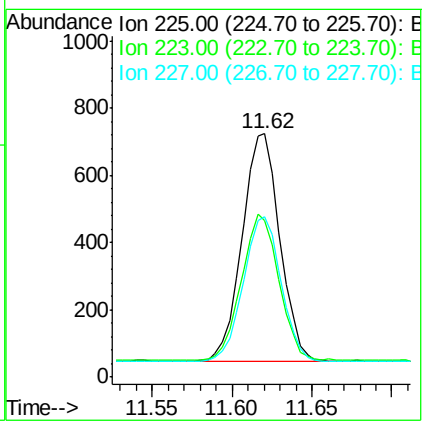


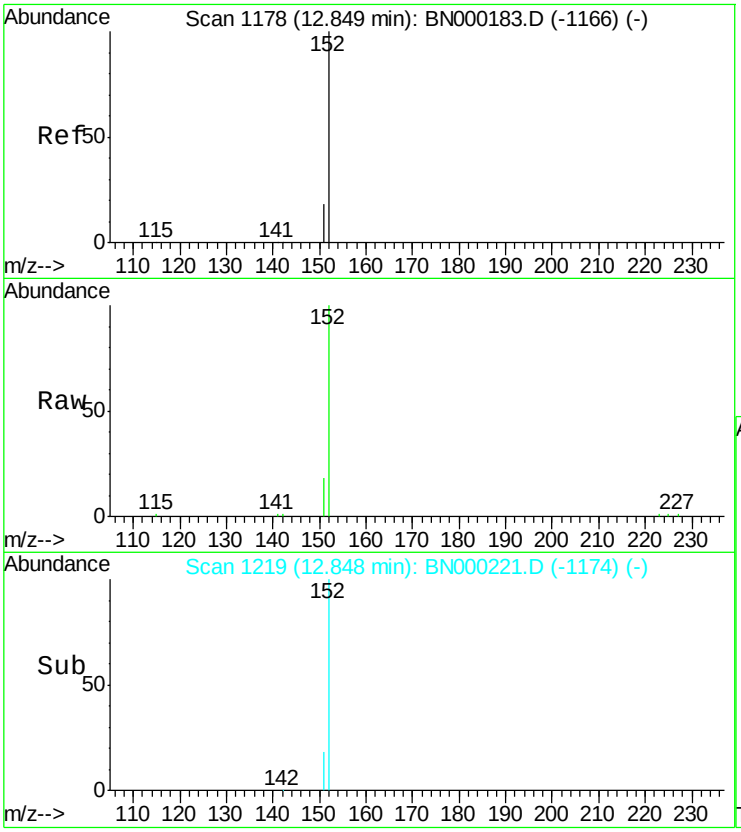


#10
Hexachlorobutadiene
Concen: 0.092 ng
RT: 11.62 min Scan# 943
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion:225 Resp: 1108

Ion	Ratio	Lower	Upper
225	100		
223	64.0	53.0	79.6
227	64.3	51.4	77.2



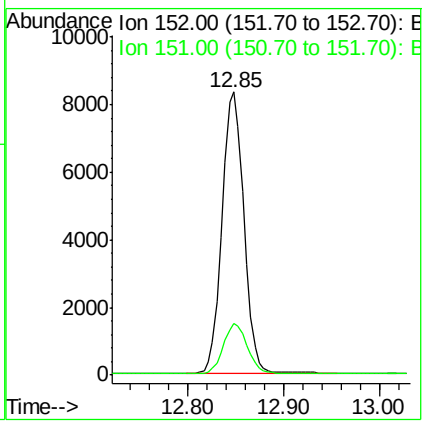


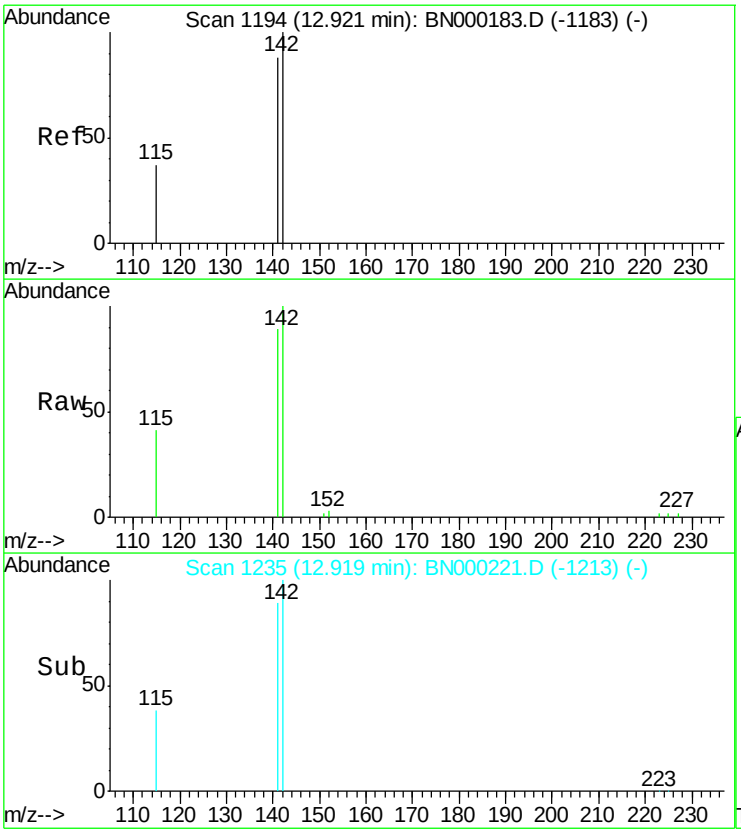
#11
2-Methylnaphthalene-d10
Concen: 0.361 ng
RT: 12.85 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:152 Resp: 13194

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.0

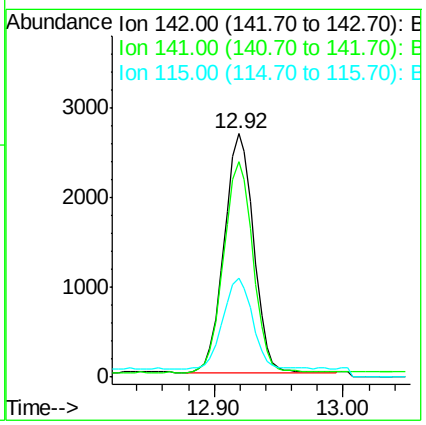


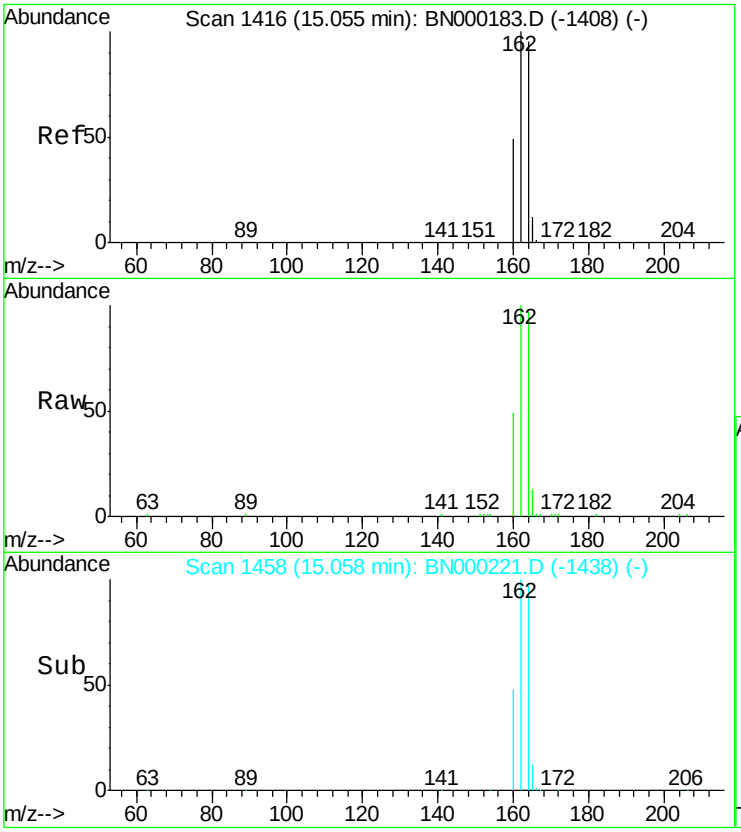


#12
2-Methylnaphthalene
Concen: 0.090 ng
RT: 12.92 min Scan# 1235
Delta R.T. -0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion:142 Resp: 4203

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.4	105.6
115	40.6	31.7	47.5



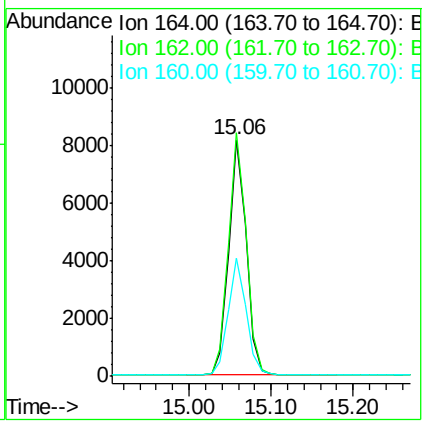


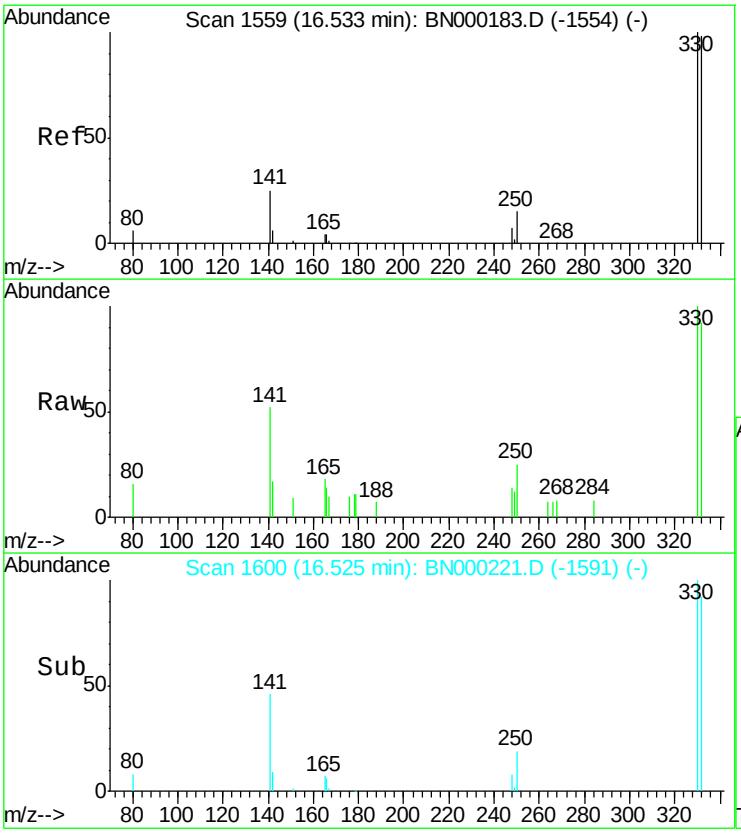
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.06 min Scan# 1458
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:164 Resp: 12107

Ion	Ratio	Lower	Upper
164	100		
162	103.2	83.1	124.7
160	50.1	37.1	55.7

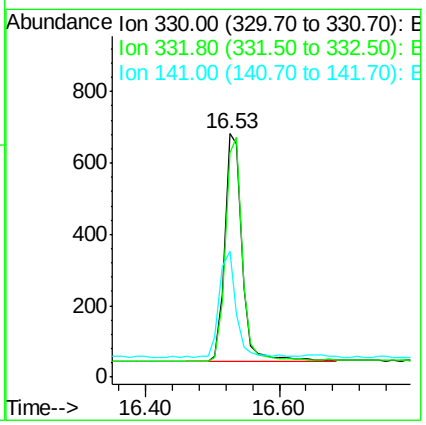


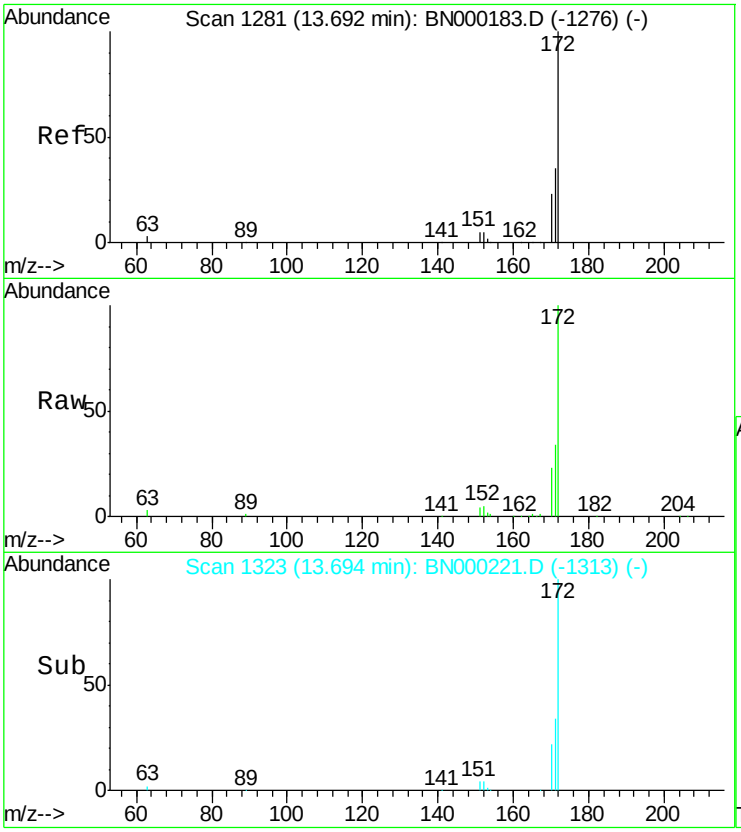


#14
2,4,6-Tribromophenol
Concen: 0.299 ng
RT: 16.53 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion:330 Resp: 1151

Ion	Ratio	Lower	Upper
330	100		
332	96.8	152.7	229.1#
141	45.1	33.7	50.5



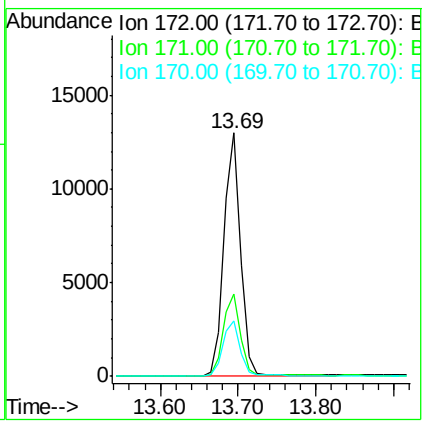


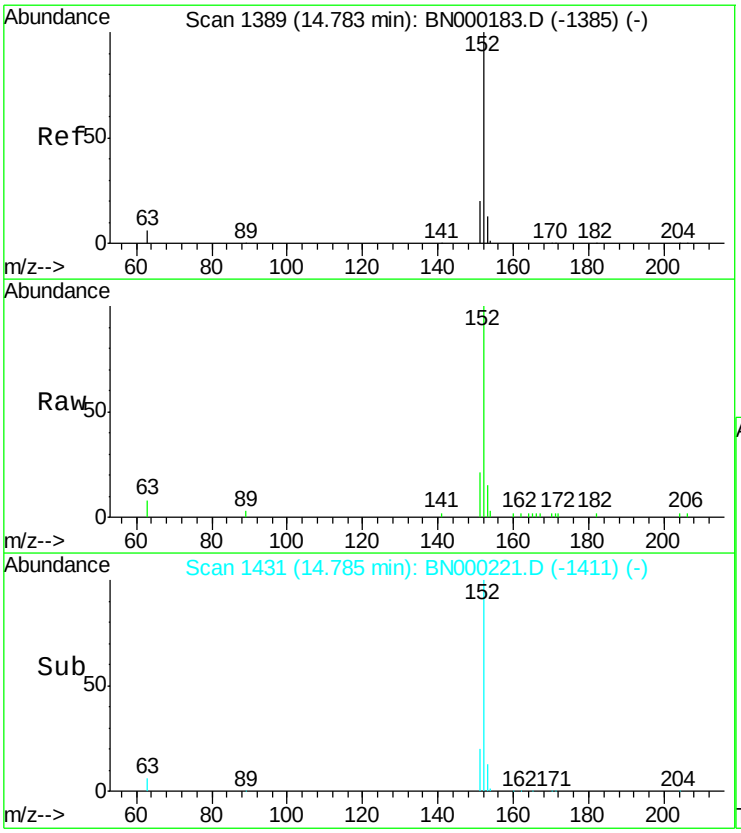
#15
2-Fluorobiphenyl
Concen: 0.340 ng
RT: 13.69 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:172 Resp: 19528

Ion	Ratio	Lower	Upper
172	100		
171	34.0	29.9	44.9
170	22.6	21.8	32.8

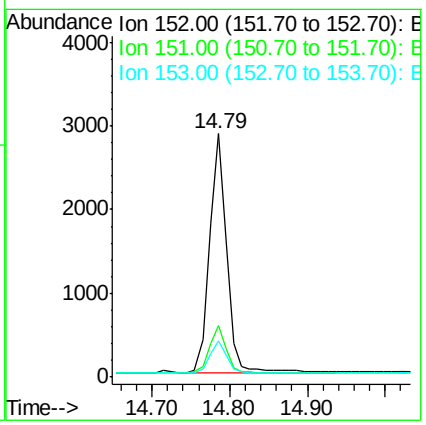


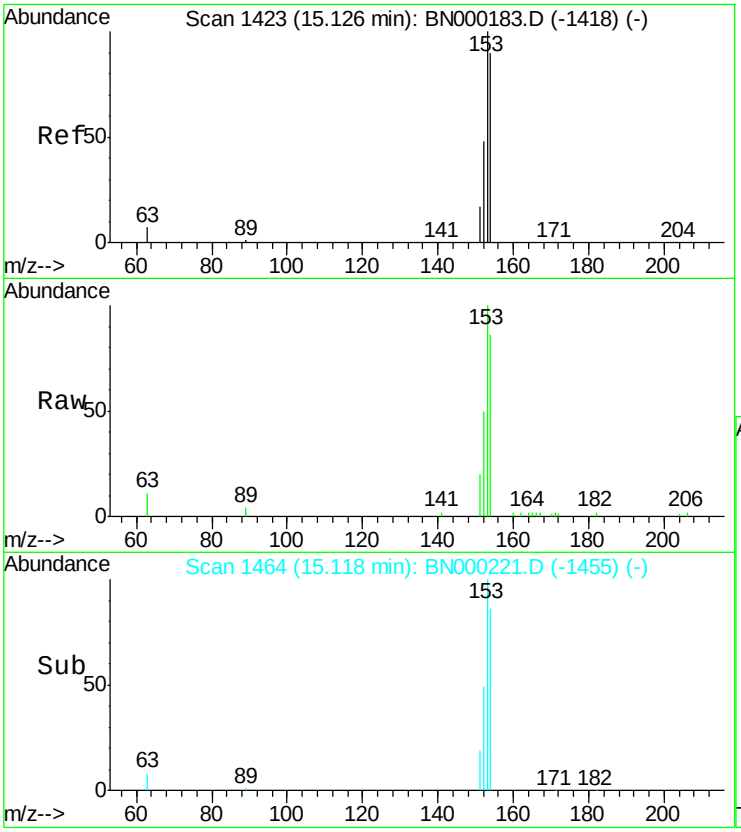


#16
Acenaphthylene
Concen: 0.078 ng
RT: 14.79 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion:152 Resp: 4469

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	12.9	10.5	15.7



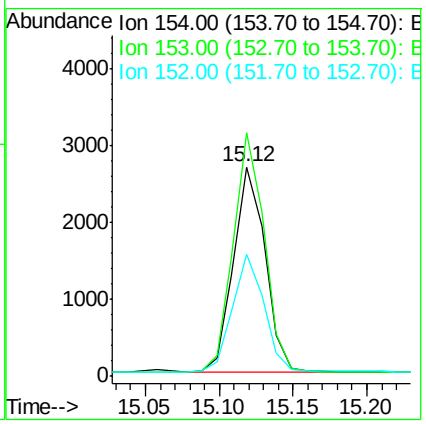


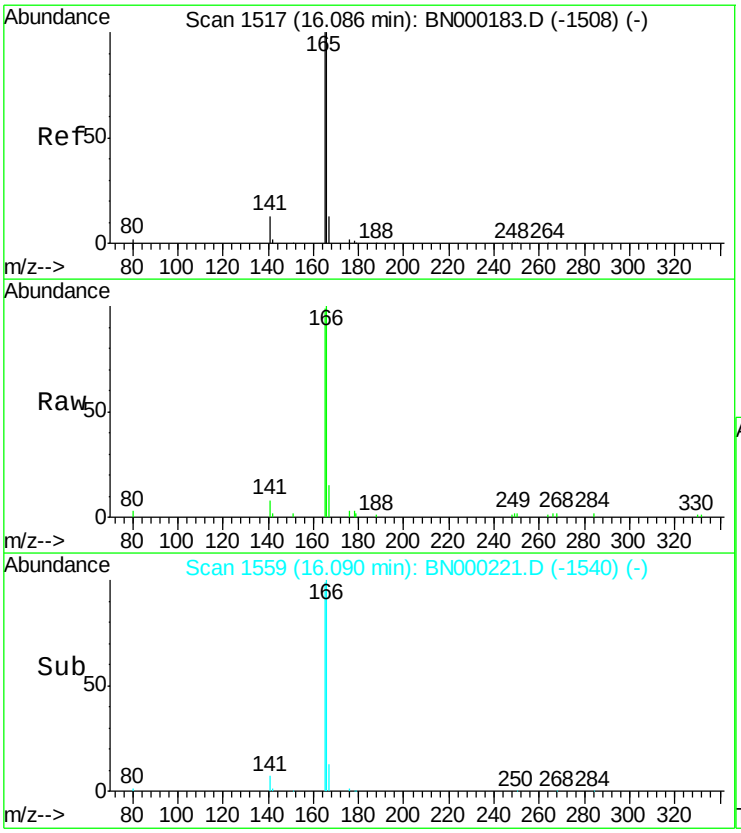
#17
Acenaphthene
Concen: 0.088 ng
RT: 15.12 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:154 Resp: 3945

Ion	Ratio	Lower	Upper
154	100		
153	115.4	89.2	133.8
152	57.9	42.0	63.0

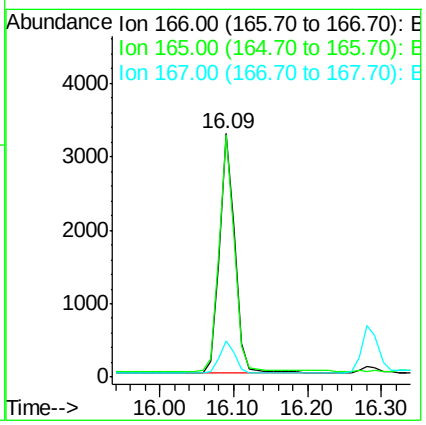


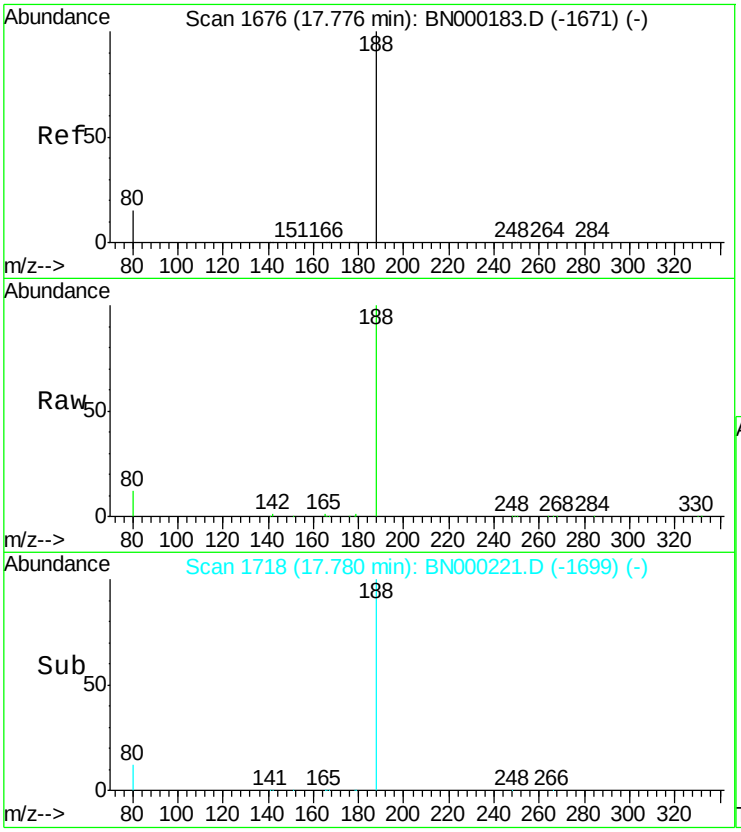


#18
Fluorene
Concen: 0.086 ng
RT: 16.09 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion:166 Resp: 4814

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.8	116.6
167	14.1	42.4	63.6#



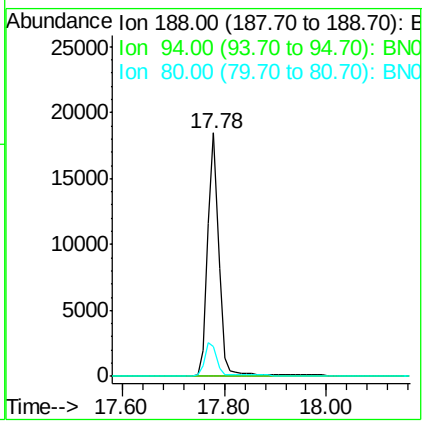


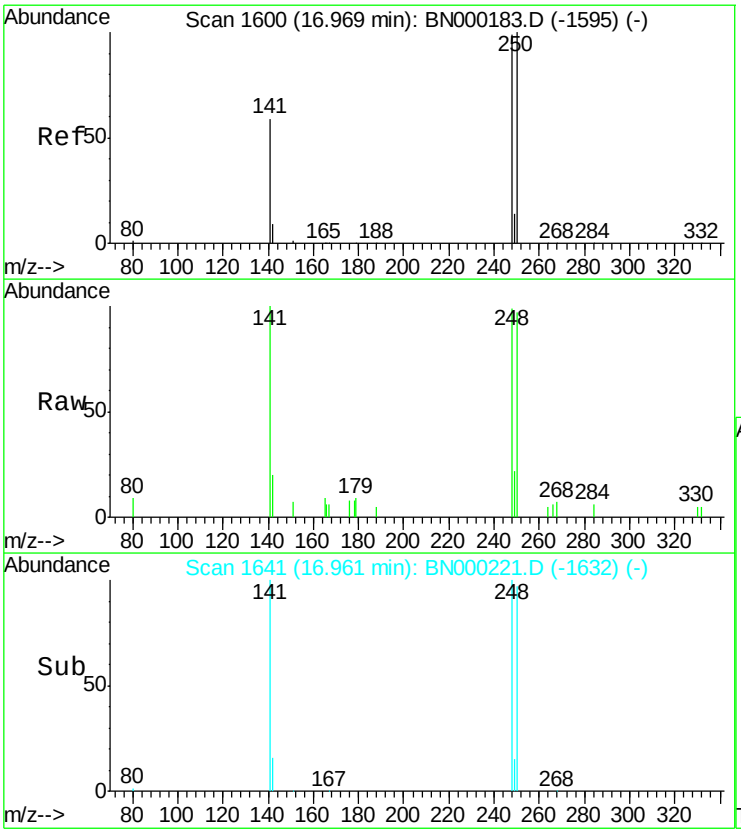
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.78 min Scan# 1718
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:188 Resp: 27944

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	12.1	3.6	5.4#

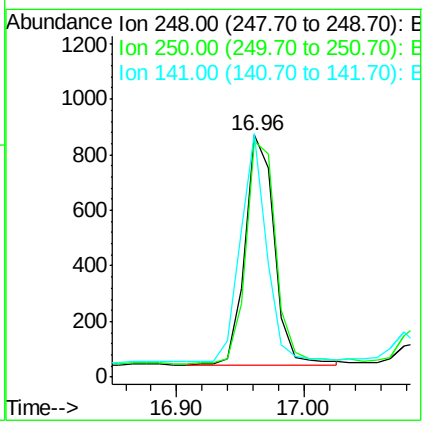


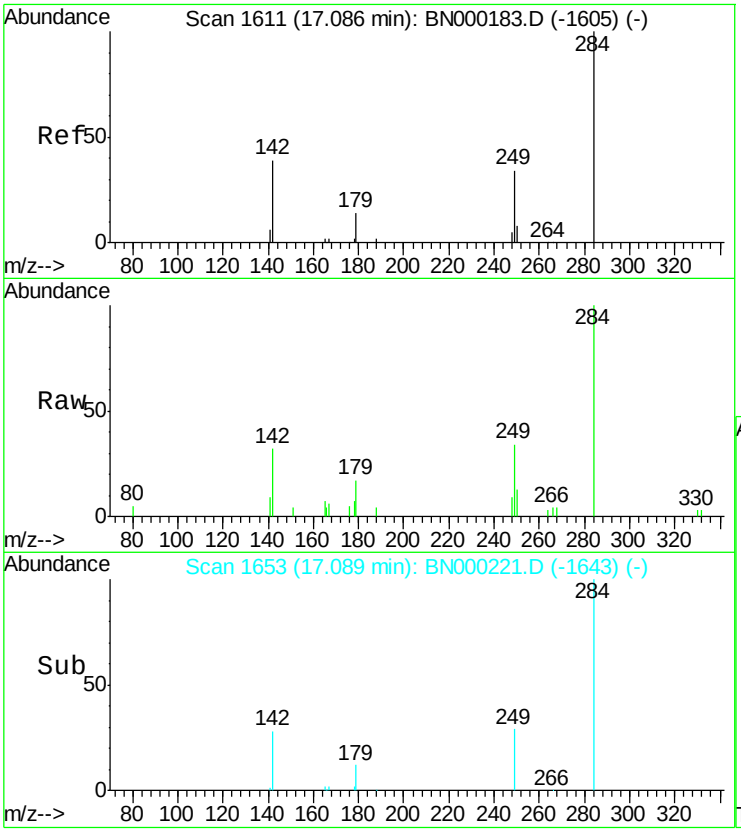


#20
4-Bromophenyl-phenylether
Concen: 0.082 ng
RT: 16.96 min Scan# 1641
Delta R.T. -0.01 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion:248 Resp: 1320

Ion	Ratio	Lower	Upper
248	100		
250	97.8	62.7	94.1#
141	100.7	48.2	72.2#



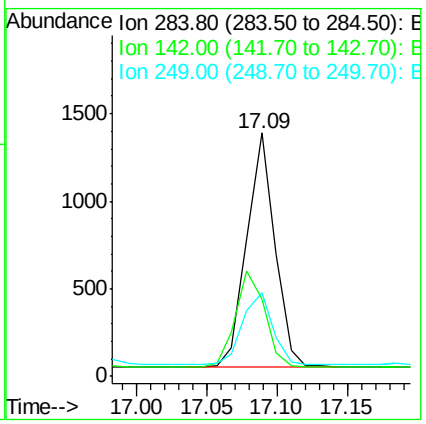


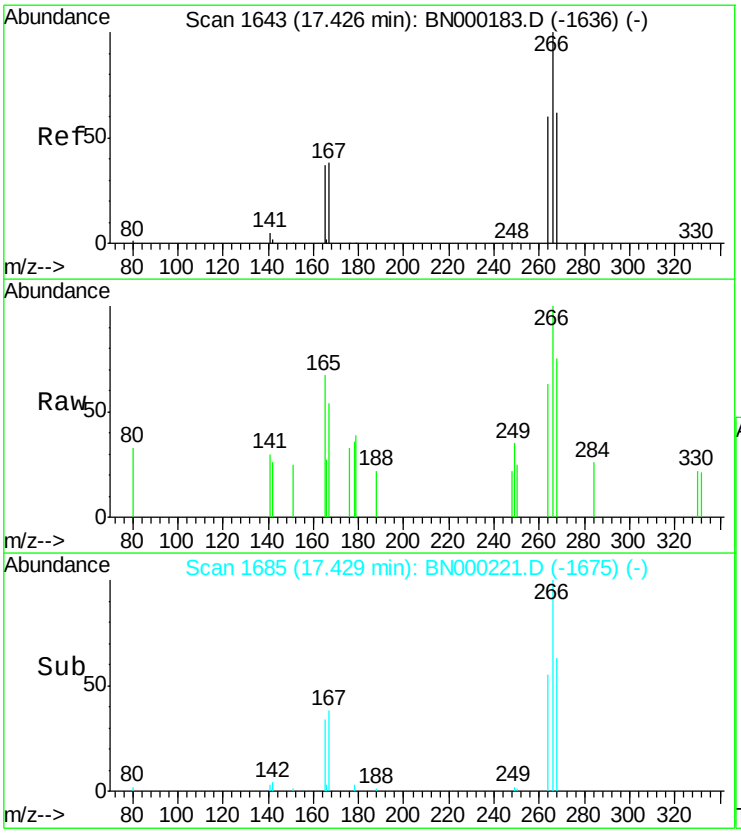
#21
Hexachlorobenzene
Concen: 0.087 ng
RT: 17.09 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:284 Resp: 1871

Ion	Ratio	Lower	Upper
284	100		
142	43.2	32.0	48.0
249	33.1	24.0	36.0

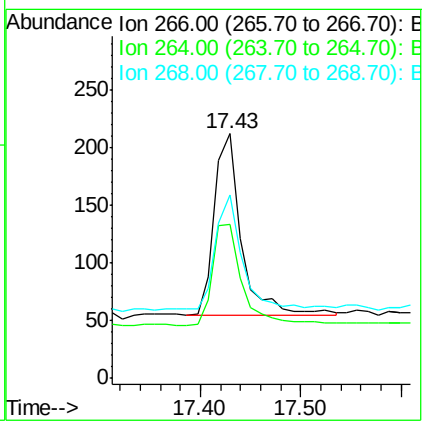


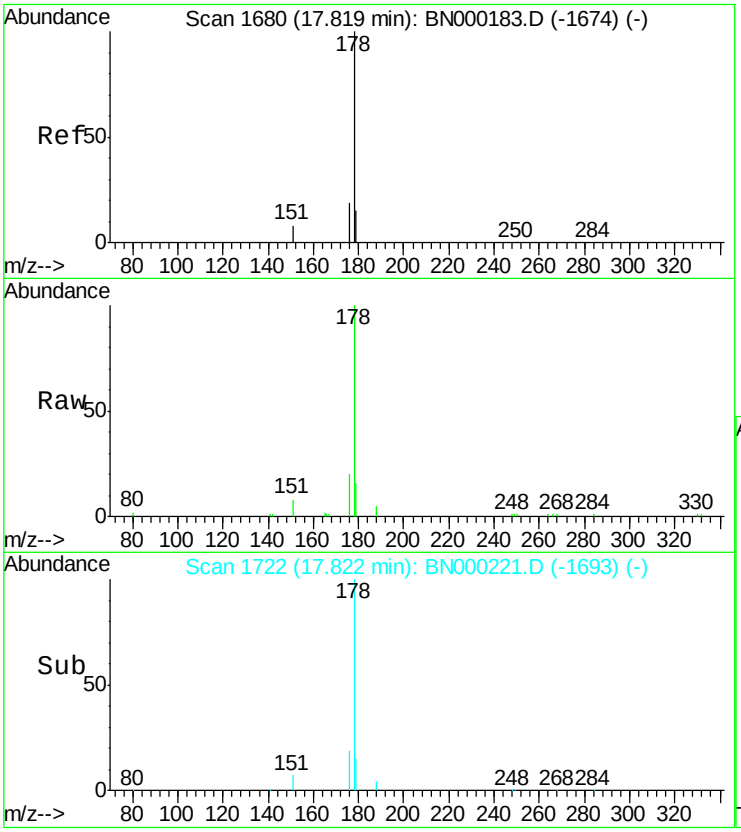


#22
Pentachlorophenol
Concen: 0.140 ng
RT: 17.43 min Scan# 1685
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion:266 Resp: 300

Ion	Ratio	Lower	Upper
266	100		
264	62.7	48.0	72.0
268	75.0	52.0	78.0



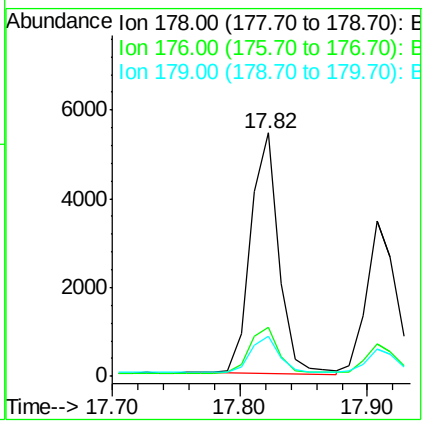


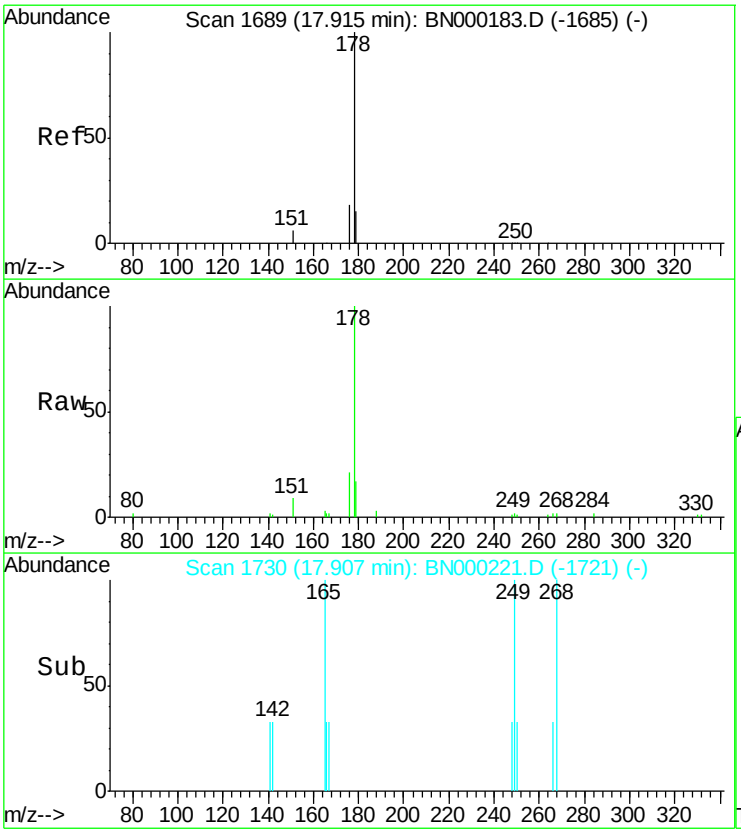
#23
Phenanthrene
Concen: 0.085 ng
RT: 17.82 min Scan# 1722
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:178 Resp: 8381

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.1	22.7
179	16.1	11.8	17.6

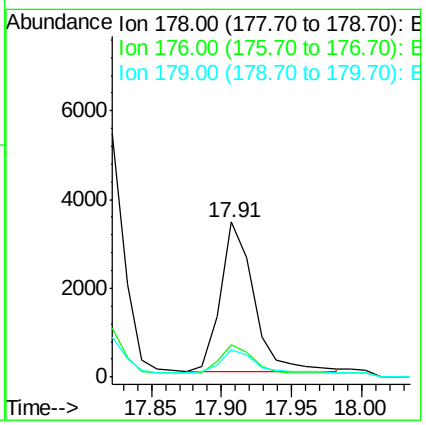


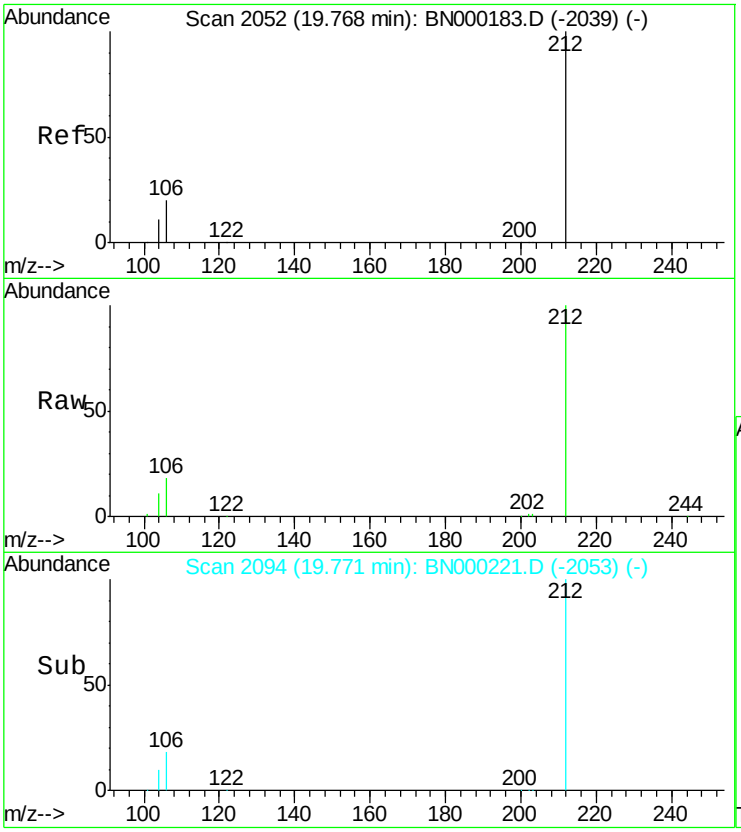


#24
Anthracene
Concen: 0.074 ng
RT: 17.91 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion:178 Resp: 5516

Ion	Ratio	Lower	Upper
178	100		
176	19.0	12.8	19.2
179	15.7	13.0	19.6



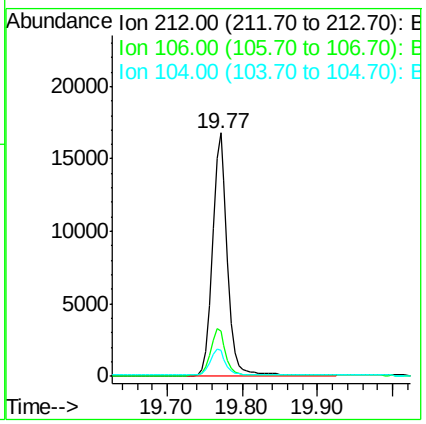


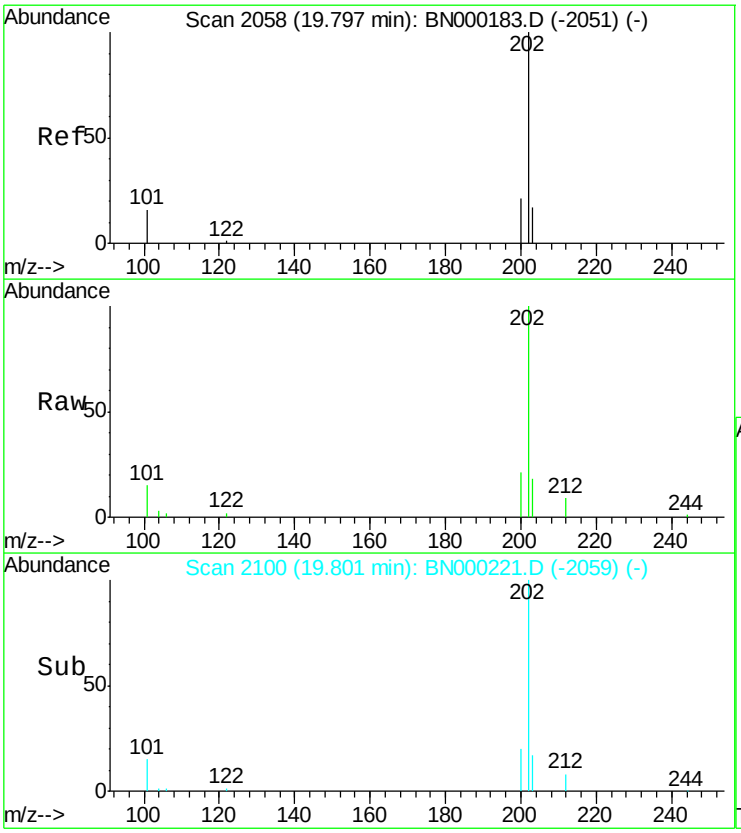
#25
Fluoranthene-d10
Concen: 0.317 ng
RT: 19.77 min Scan# 2094
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:212 Resp: 23660

Ion	Ratio	Lower	Upper
212	100		
106	19.3	2.8	4.2#
104	10.8	1.6	2.4#

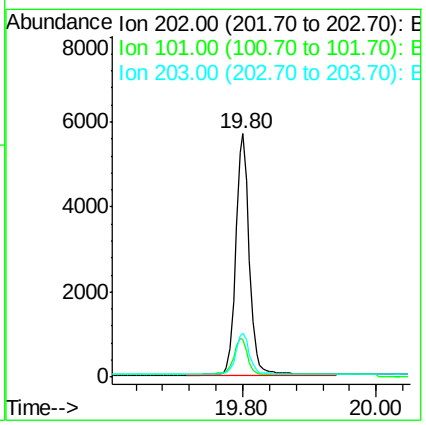


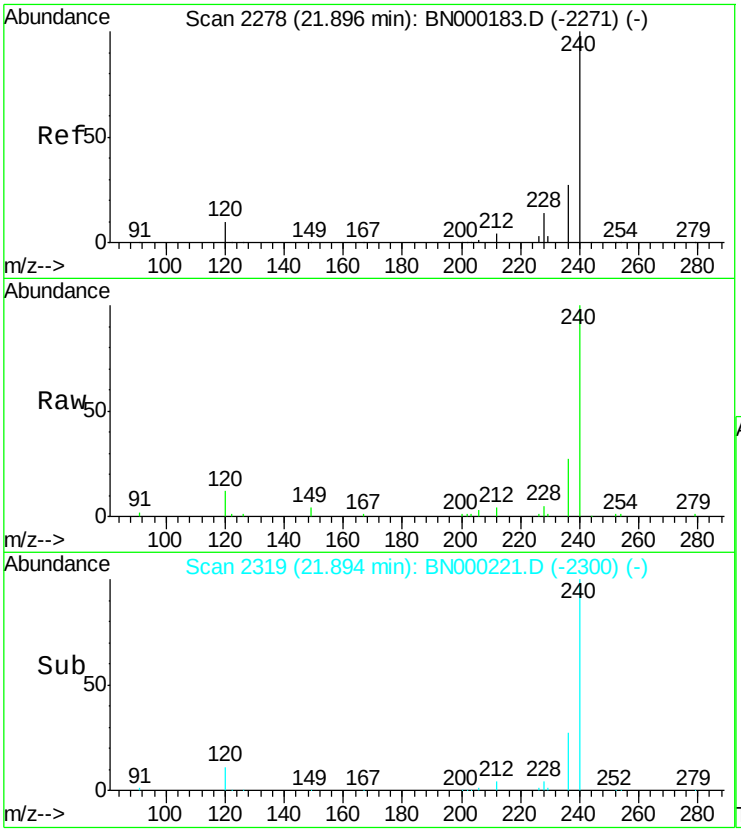


#26
Fluoranthene
Concen: 0.080 ng
RT: 19.80 min Scan# 2100
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion:202 Resp: 8132

Ion	Ratio	Lower	Upper
202	100		
101	16.0	9.8	14.8#
203	16.6	13.7	20.5



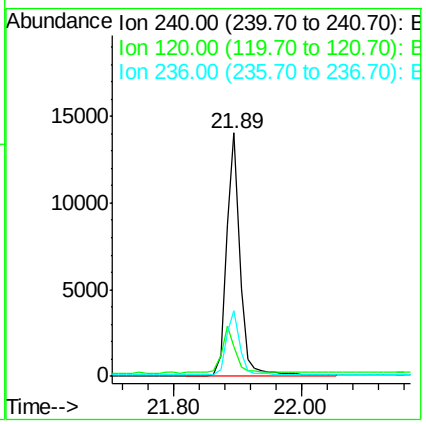


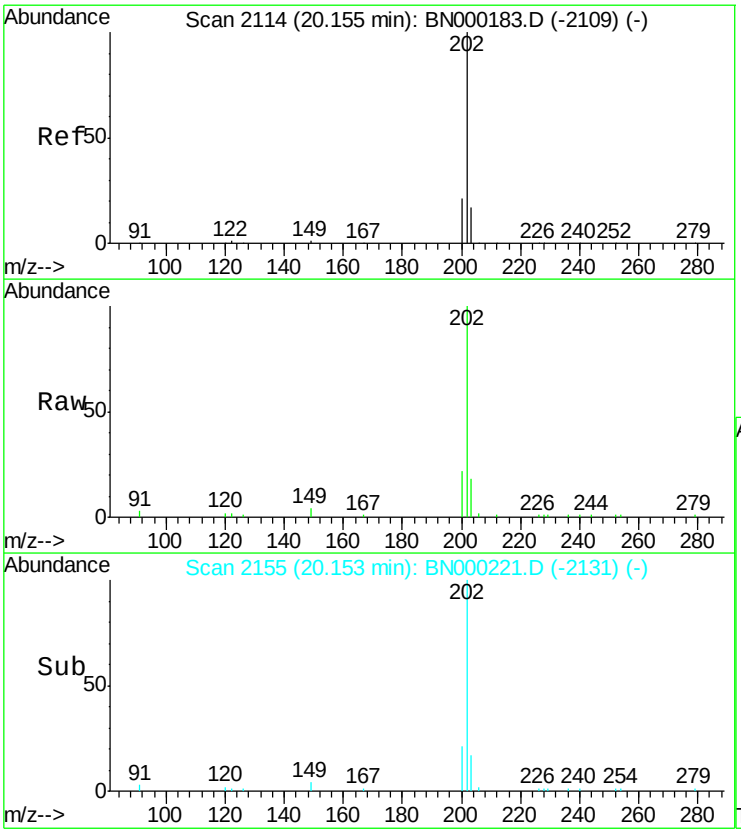
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.89 min Scan# 2319
Delta R.T. -0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:240 Resp: 20111

Ion	Ratio	Lower	Upper
240	100		
120	12.4	5.5	8.3#
236	27.2	20.7	31.1

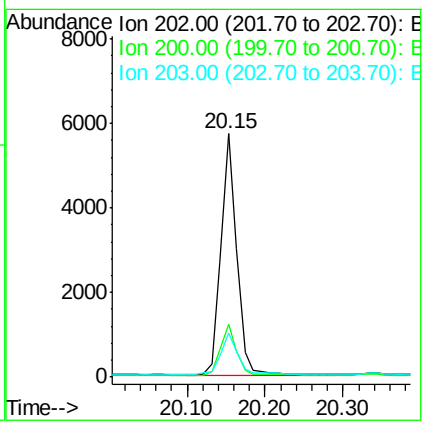


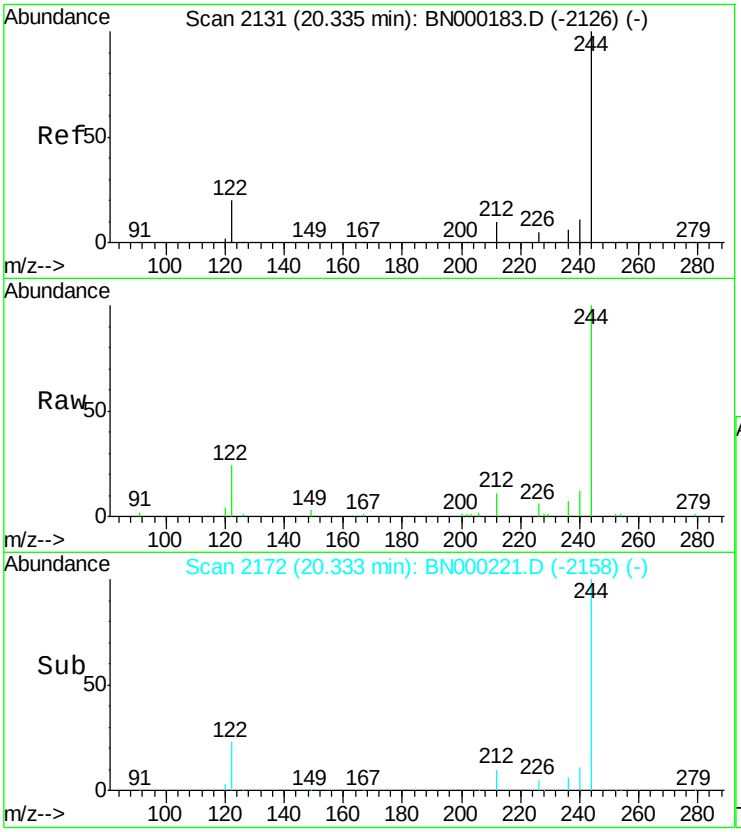


#28
Pyrene
Concen: 0.101 ng
RT: 20.15 min Scan# 2155
Delta R.T. -0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion:202 Resp: 8011

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	25.0
203	17.9	13.8	20.8



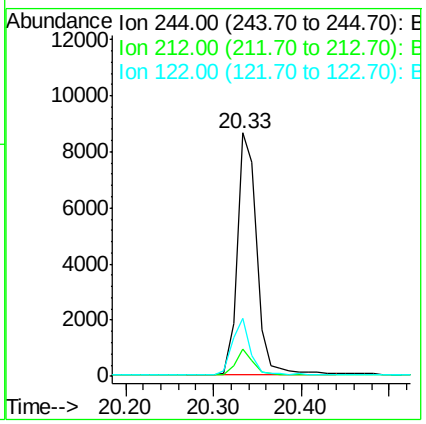


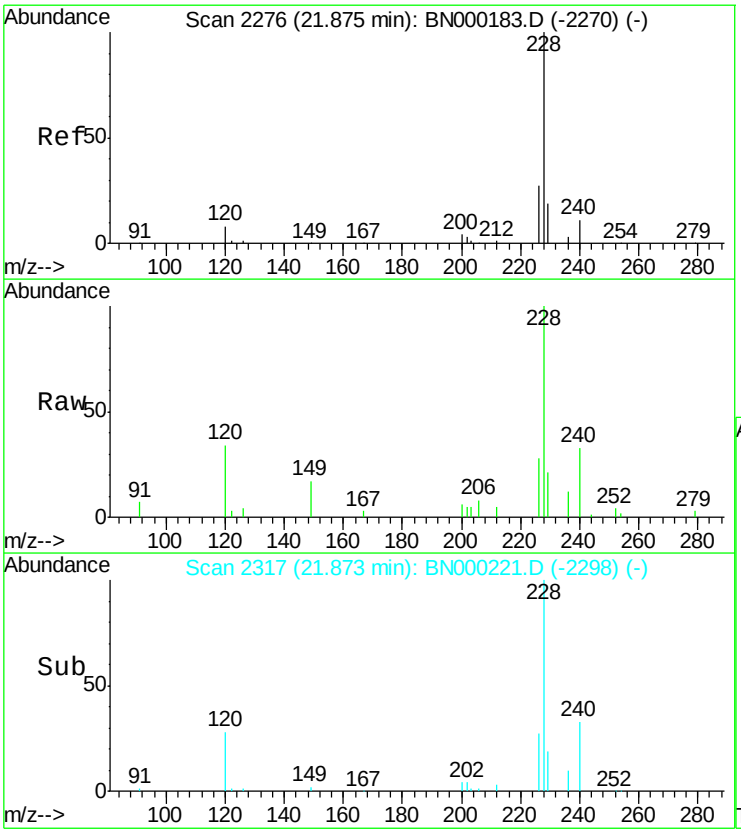
#29
Terphenyl-d14
Concen: 0.377 ng
RT: 20.33 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:244 Resp: 13320

Ion	Ratio	Lower	Upper
244	100		
212	11.1	25.4	38.0#
122	24.0	8.1	12.1#

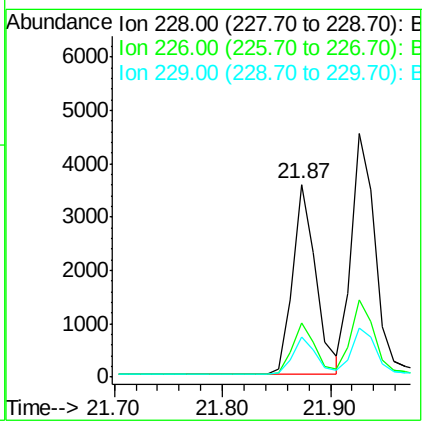


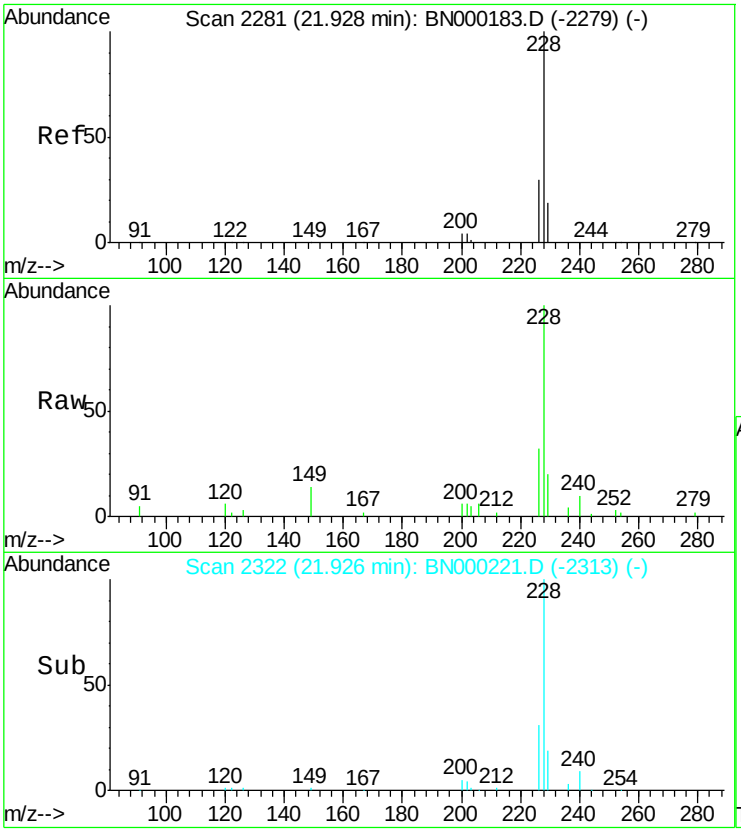


#30
Benzo(a)anthracene
Concen: 0.084 ng
RT: 21.87 min Scan# 2317
Delta R.T. -0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion:228 Resp: 5308

Ion	Ratio	Lower	Upper
228	100		
226	28.3	24.0	36.0
229	20.6	16.0	24.0



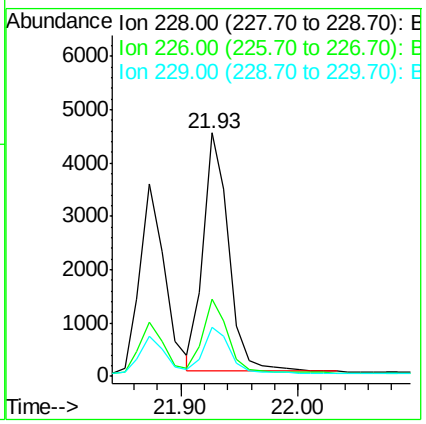


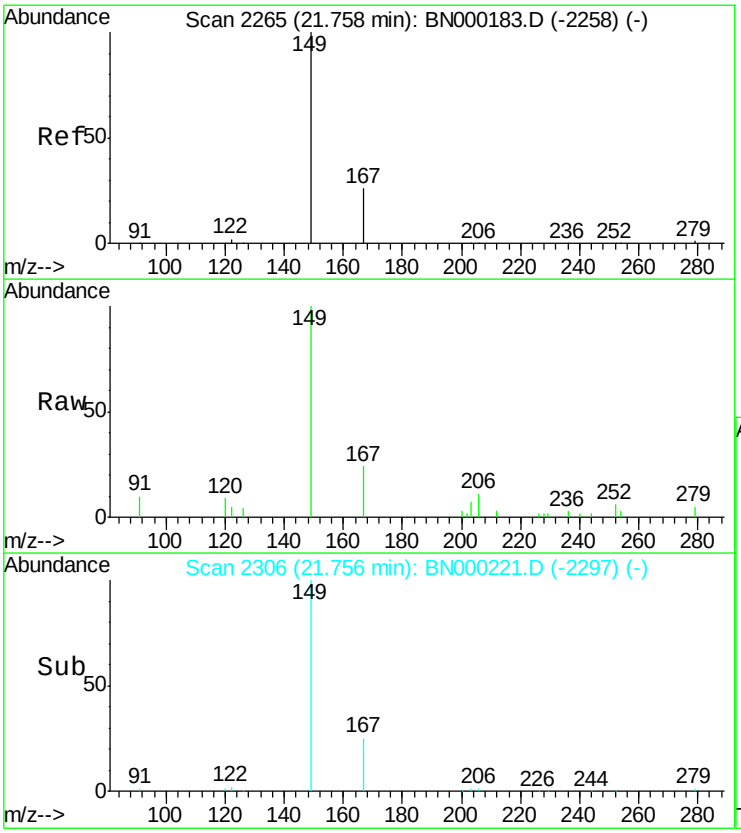
#31
Chrysene
Concen: 0.092 ng
RT: 21.93 min Scan# 2322
Delta R.T. -0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:228 Resp: 6795

Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.0	36.0
229	19.9	16.0	24.0

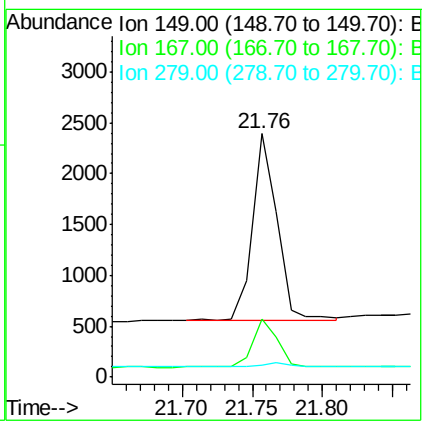


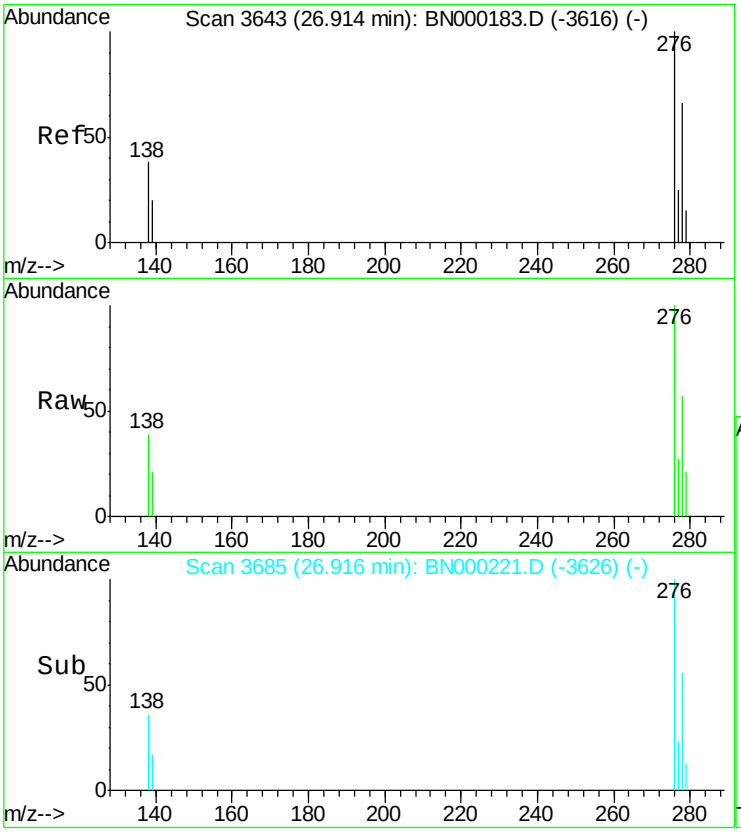


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.095 ng
RT: 21.76 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion:149 Resp: 2237

Ion	Ratio	Lower	Upper
149	100		
167	25.5	20.0	30.0
279	2.3	1.6	2.4



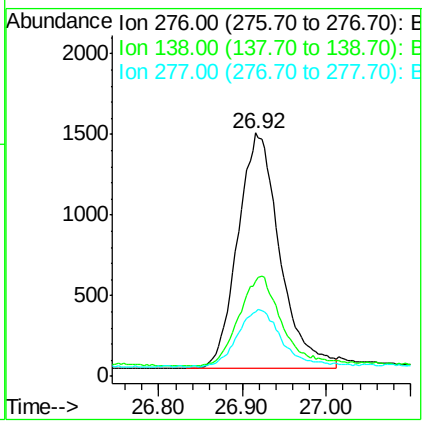


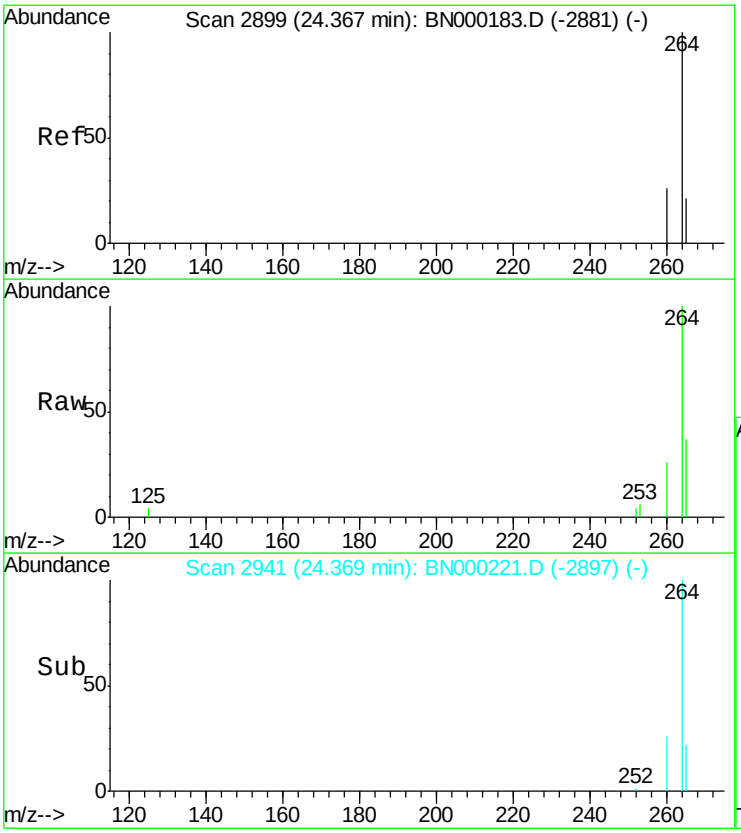
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.074 ng
RT: 26.92 min Scan# 3685
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:276 Resp: 5093

Ion	Ratio	Lower	Upper
276	100		
138	39.7	22.5	33.7#
277	24.5	19.9	29.9

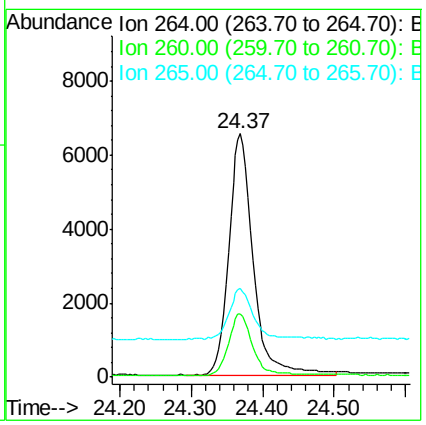


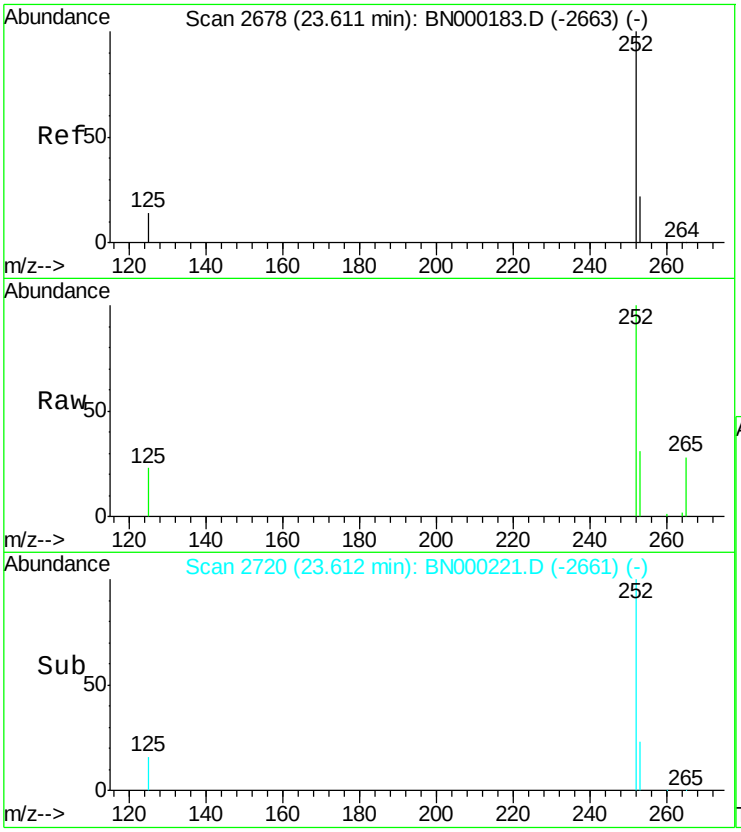


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.37 min Scan# 2941
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion:264 Resp: 15378

Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.5	30.7
265	36.7	22.8	34.2#



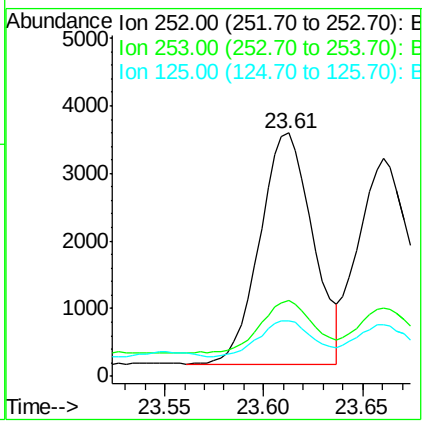


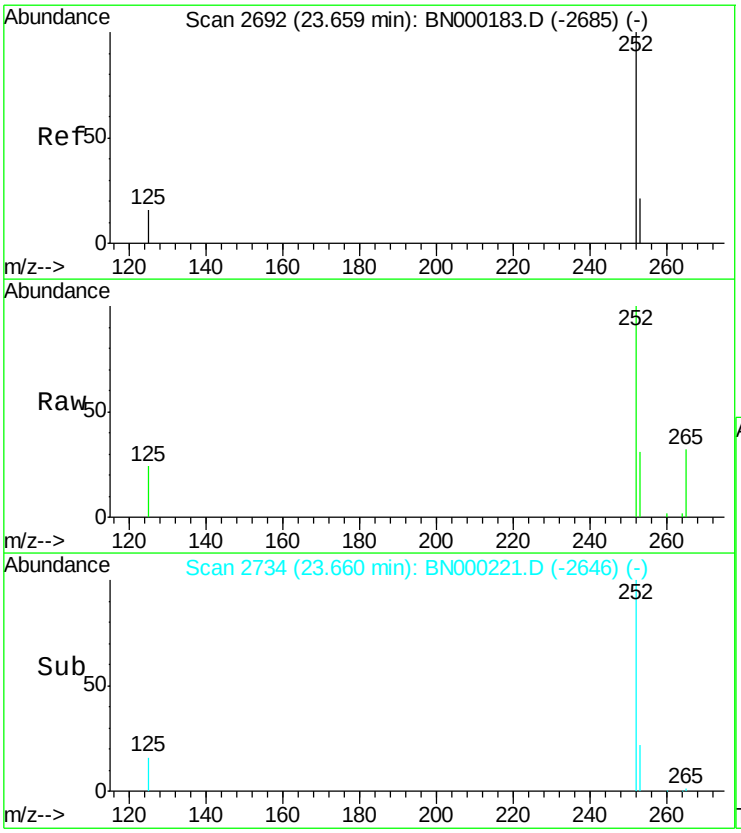
#35
Benzo(b)fluoranthene
Concen: 0.090 ng
RT: 23.61 min Scan# 2720
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:252 Resp: 6348

Ion	Ratio	Lower	Upper
252	100		
253	31.1	20.0	30.0#
125	22.8	16.0	24.0

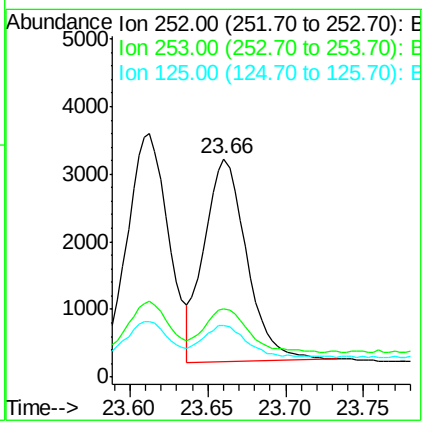


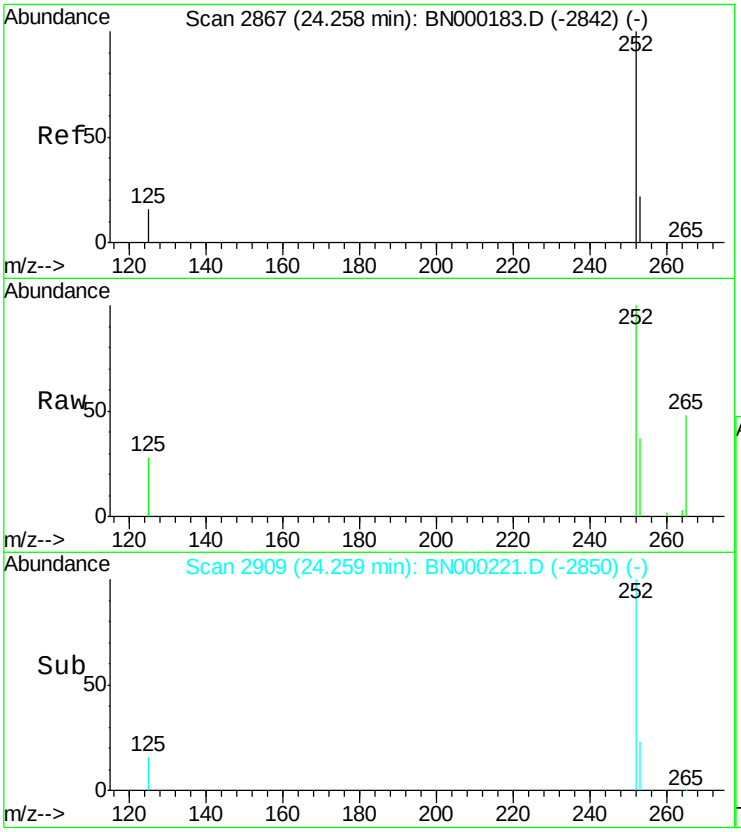


#36
Benzo(k)fluoranthene
Concen: 0.083 ng
RT: 23.66 min Scan# 2734
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion:252 Resp: 5680

Ion	Ratio	Lower	Upper
252	100		
253	31.4	16.0	24.0#
125	23.8	8.0	12.0#



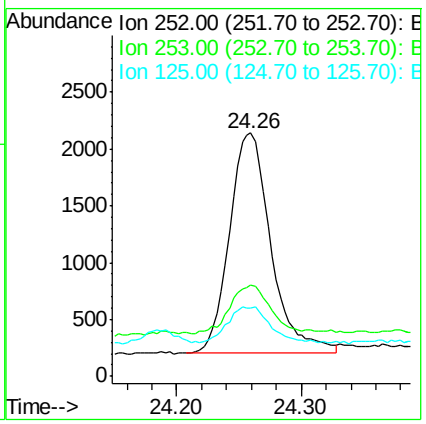


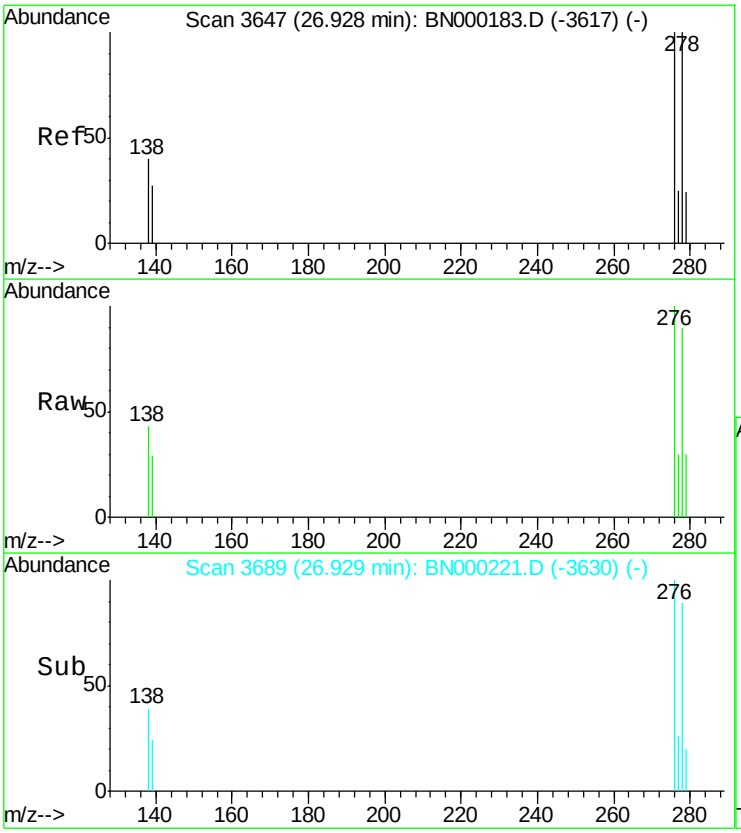
#37
Benzo(a)pyrene
Concen: 0.079 ng
RT: 24.26 min Scan# 2909
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:252 Resp: 4510

Ion	Ratio	Lower	Upper
252	100		
253	37.3	16.0	24.0#
125	28.2	12.0	18.0#

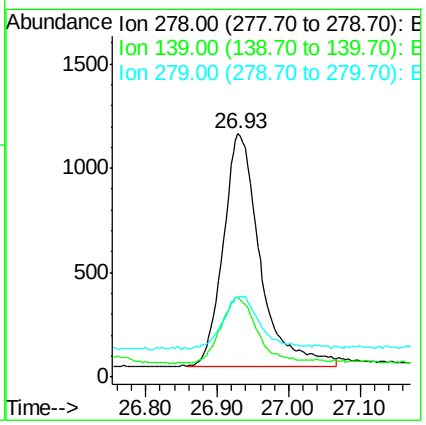


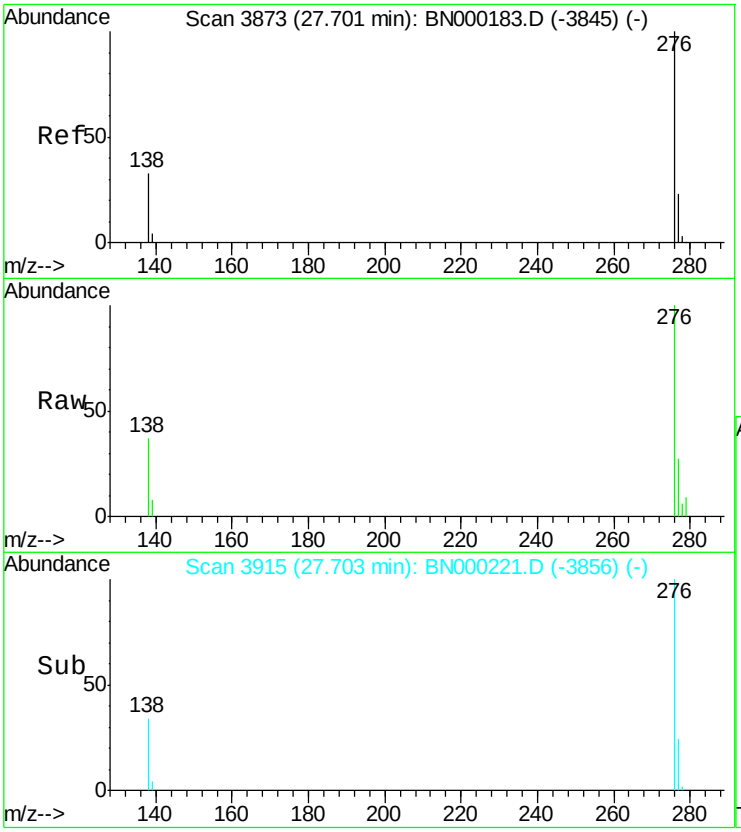


#38
Dibenzo(a,h)anthracene
Concen: 0.078 ng
RT: 26.93 min Scan# 3689
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion:278 Resp: 3959

Ion	Ratio	Lower	Upper
278	100		
139	32.5	16.0	24.0#
279	32.8	20.0	30.0#





#39
Benzo(g,h,i)perylene
Concen: 0.087 ng
RT: 27.70 min Scan# 3915
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:276 Resp: 5236

Ion	Ratio	Lower	Upper
276	100		
277	27.3	16.0	24.0#
138	36.9	20.0	30.0#