Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN040119\
Data File : BN005050.D
Acq On : 01 Apr 2019 16:17
Operator : JU/SJ
Sample : K1560-03
Misc : MDL 01 PPM
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-MDL-SOIL-03-QT1-2019

Quant Time: Apr 02 01:36:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 29 03:42:17 2019
Response via : Initial Calibration

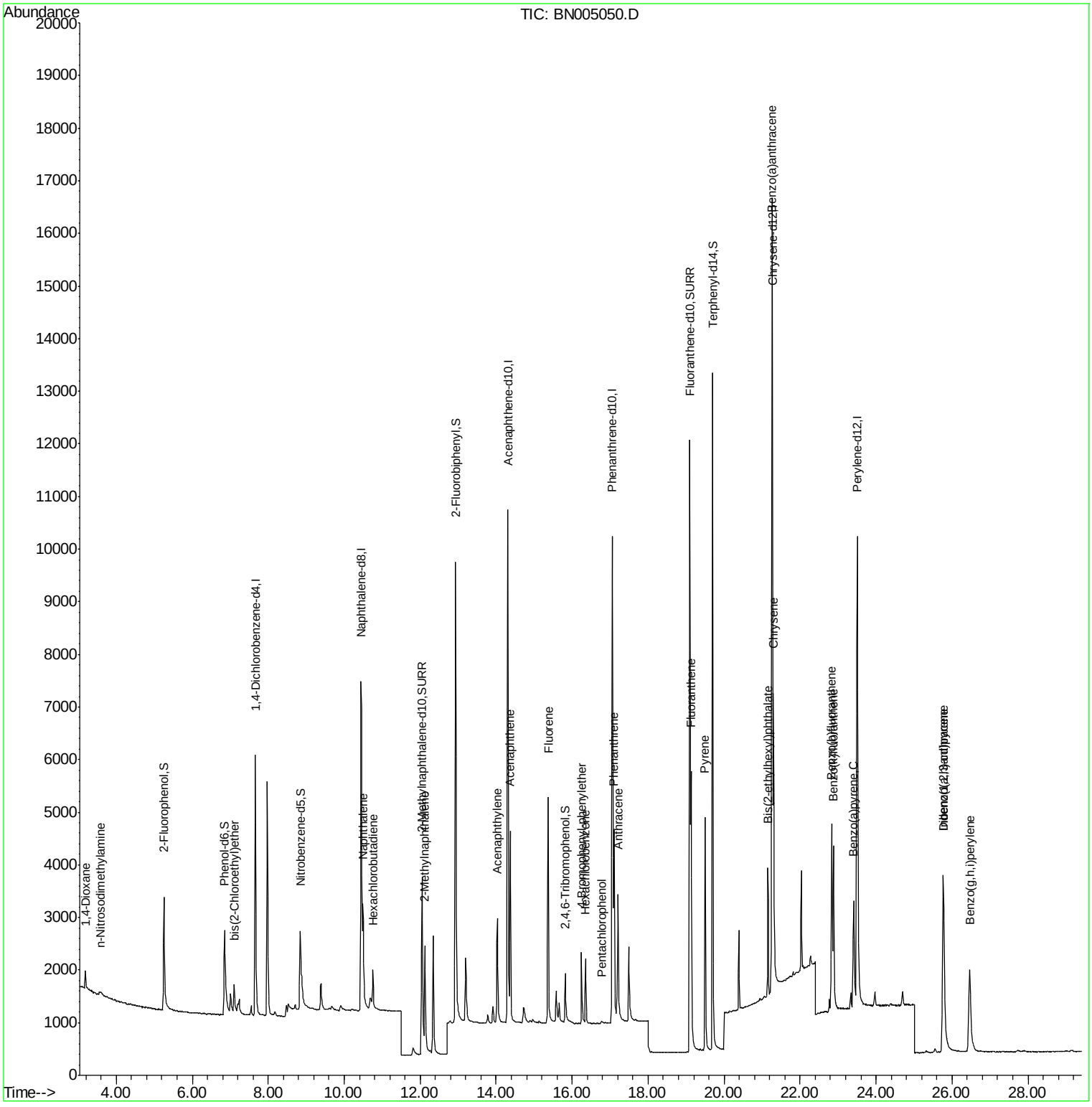
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	2736	0.40	ng		0.00
7) Naphthalene-d8	10.44	136	11453	0.40	ng		0.00
13) Acenaphthene-d10	14.31	164	6740	0.40	ng		0.01
19) Phenanthrene-d10	17.06	188	15895	0.40	ng		0.00
27) Chrysene-d12	21.27	240	15644	0.40	ng		0.01
34) Perylene-d12	23.50	264	14679	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.26	112	2600	0.38	ng		0.00
5) Phenol-d6	6.85	99	2965	0.37	ng		0.00
8) Nitrobenzene-d5	8.84	82	2176	0.33	ng		0.01
11) 2-Methylnaphthalene-d10	12.05	152	6417	0.36	ng		0.00
14) 2,4,6-Tribromophenol	15.81	330	1199	0.32	ng		0.00
15) 2-Fluorobiphenyl	12.93	172	10144	0.40	ng		0.01
25) Fluoranthene-d10	19.10	212	15644	0.34	ng		0.00
29) Terphenyl-d14	19.70	244	14902	0.46	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.19	88	316	0.107	ng		93
3) n-Nitrosodimethylamine	3.58	42	101	0.056	ng	#	59
6) bis(2-Chloroethyl)ether	7.10	93	716	0.094	ng		92
9) Naphthalene	10.49	128	2939	0.102	ng	#	92
10) Hexachlorobutadiene	10.76	225	558	0.104	ng	#	99
12) 2-Methylnaphthalene	12.12	142	1992	0.096	ng		98
16) Acenaphthylene	14.03	152	2715	0.085	ng		99
17) Acenaphthene	14.37	154	1968	0.097	ng		100
18) Fluorene	15.37	166	2581	0.095	ng		99
20) 4-Bromophenyl-phenylether	16.25	248	834	0.092	ng	#	84
21) Hexachlorobenzene	16.36	284	1024	0.102	ng		97
22) Pentachlorophenol	16.77	266	59	0.119	ng	#	73
23) Phenanthrene	17.10	178	4192	0.094	ng		99
24) Anthracene	17.21	178	3420	0.086	ng		99
26) Fluoranthene	19.13	202	4937	0.091	ng		99
28) Pyrene	19.50	202	4916	0.111	ng		100
30) Benzo(a)anthracene	21.26	228	4011	0.091	ng		97
31) Chrysene	21.30	228	4942	0.104	ng		97
32) Bis(2-ethylhexyl)phthalate	21.15	149	2435	0.132	ng		100
33) Indeno(1,2,3-cd)pyrene	25.77	276	4870	0.091	ng		98
35) Benzo(b)fluoranthene	22.83	252	4604	0.098	ng	#	87
36) Benzo(k)fluoranthene	22.88	252	4625	0.102	ng	#	86
37) Benzo(a)pyrene	23.41	252	3965	0.095	ng	#	78
38) Dibenzo(a,h)anthracene	25.78	278	3905	0.093	ng	#	85
39) Benzo(g,h,i)perylene	26.47	276	4191	0.099	ng		92

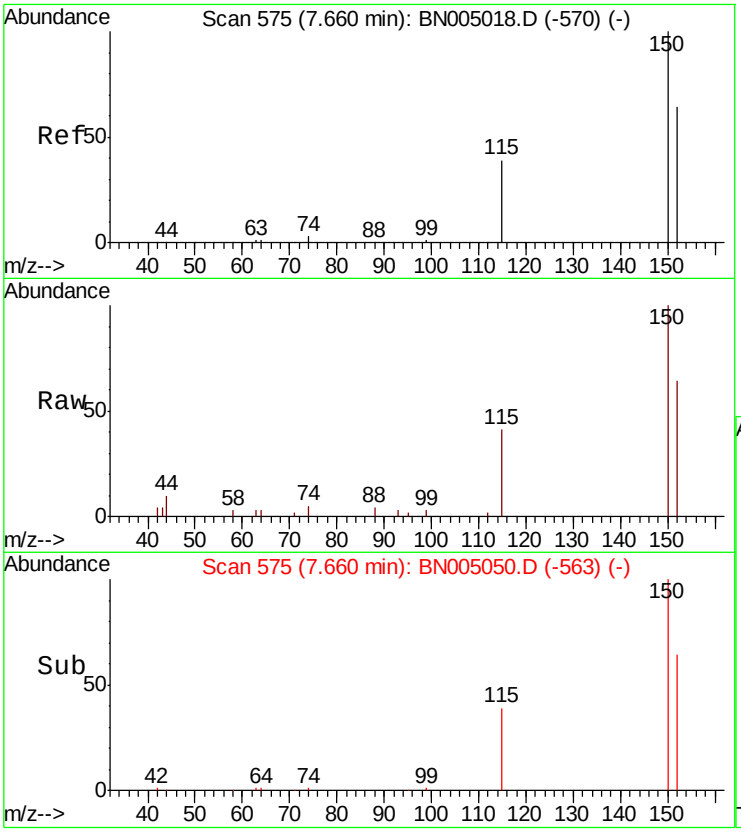
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN040119\
Data File : BN005050.D
Acq On : 01 Apr 2019 16:17
Operator : JU/SJ
Sample : K1560-03
Misc : MDL 01 PPM
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Quant Time: Apr 02 01:36:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 29 03:42:17 2019
Response via : Initial Calibration



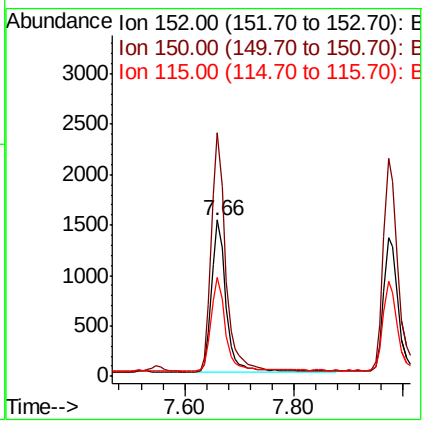


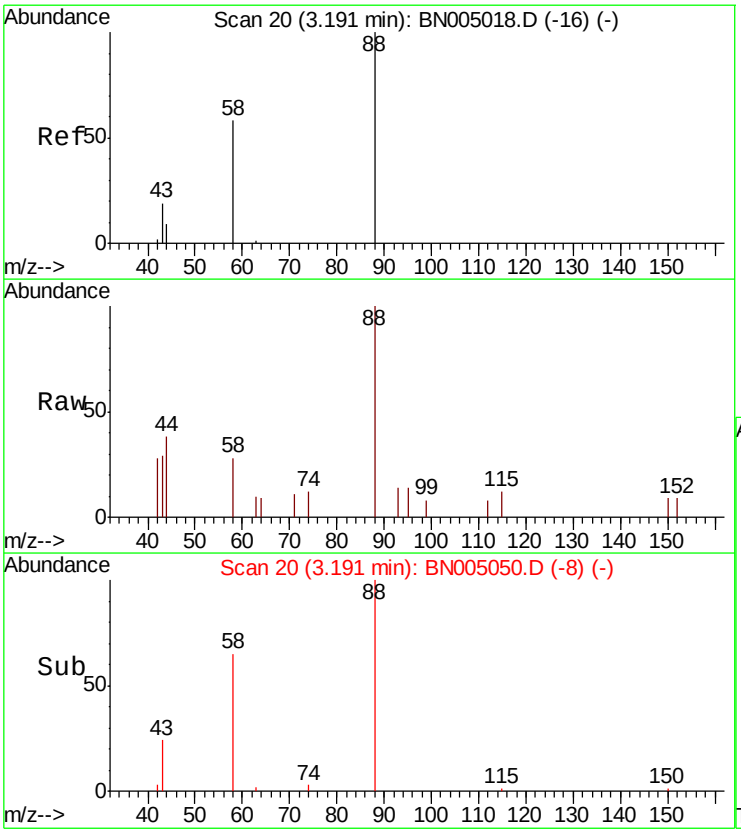
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.66 min Scan# 575
Delta R.T. 0.00 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:152 Resp: 2736

Ion	Ratio	Lower	Upper
152	100		
150	156.1	123.4	185.2
115	63.6	50.0	75.0

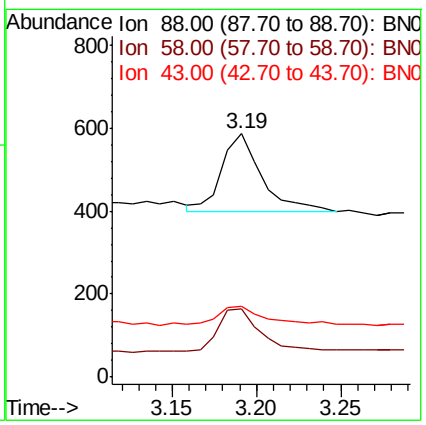


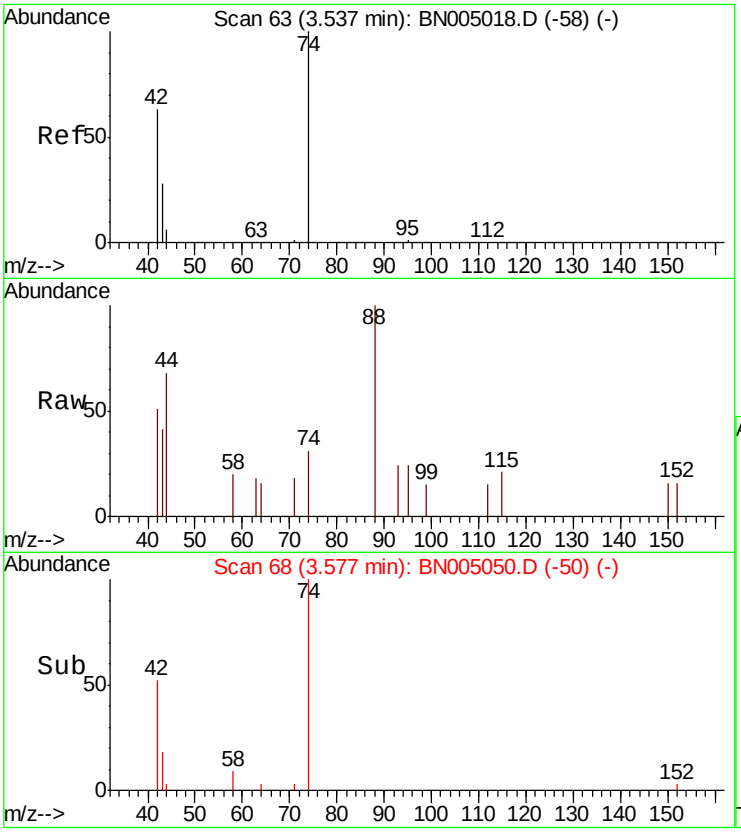


#2
1,4-Dioxane
Concen: 0.107 ng
RT: 3.19 min Scan# 20
Delta R.T. 0.00 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion: 88 Resp: 316

Ion	Ratio	Lower	Upper
88	100		
58	61.1	52.8	79.2
43	29.1	19.6	29.4



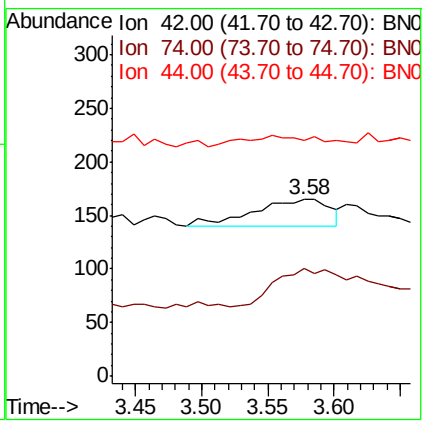


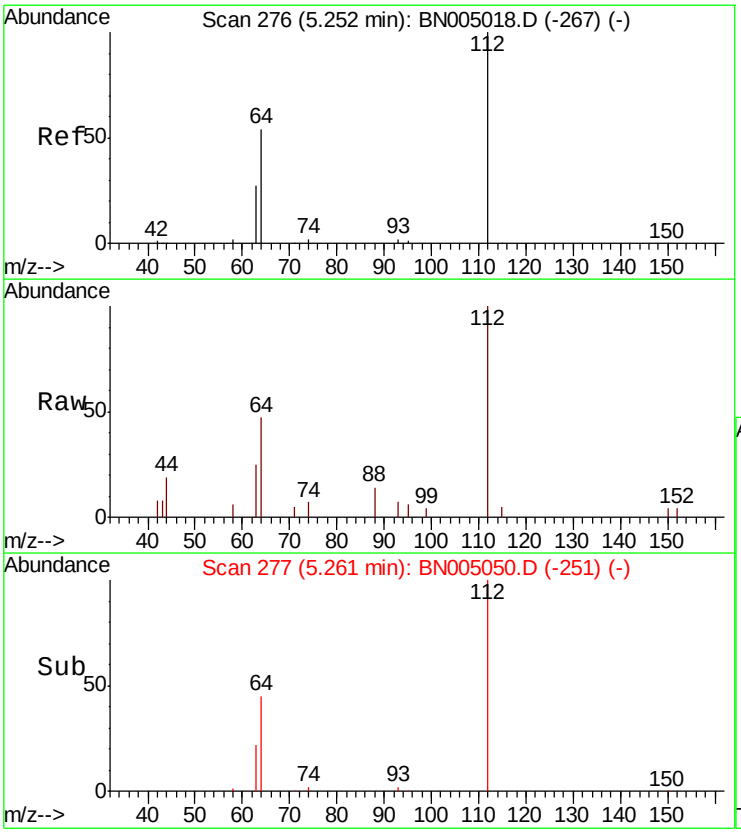
#3
n-Nitrosodimethylamine
Concen: 0.056 ng
RT: 3.58 min Scan# 68
Delta R.T. 0.04 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion: 42 Resp: 101

Ion	Ratio	Lower	Upper
42	100		
74	106.9	129.1	193.7#
44	0.0	11.6	17.4#

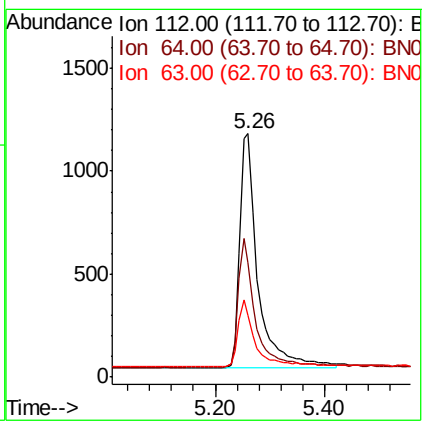


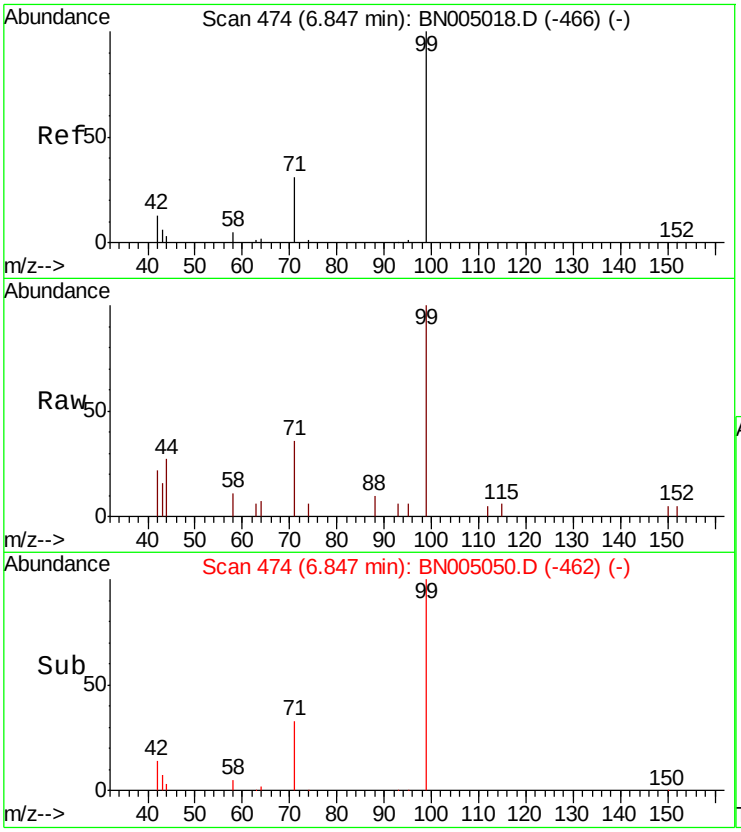


#4
2-Fluorophenol
Concen: 0.381 ng
RT: 5.26 min Scan# 277
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion:112 Resp: 2600

Ion	Ratio	Lower	Upper
112	100		
64	52.1	41.9	62.9
63	26.0	21.5	32.3



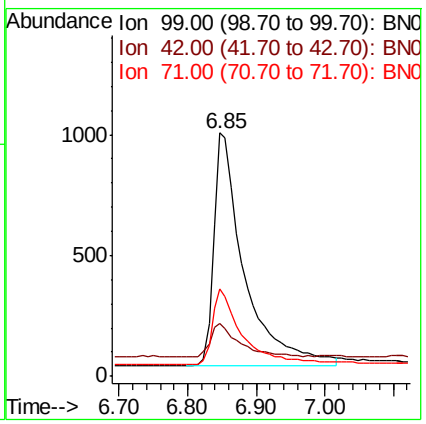


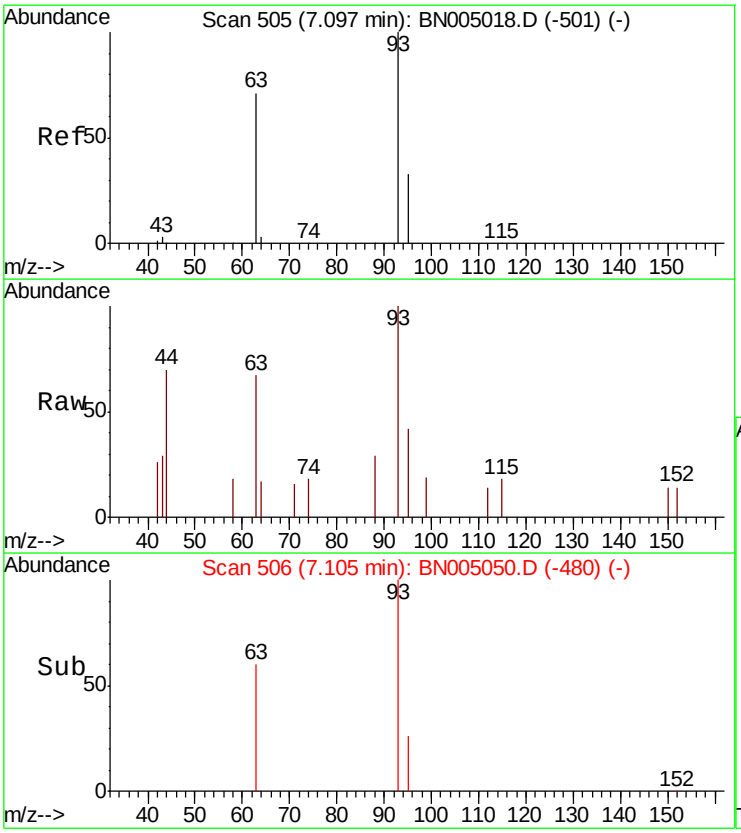
#5
Phenol-d6
Concen: 0.367 ng
RT: 6.85 min Scan# 474
Delta R.T. 0.00 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion: 99 Resp: 2965

Ion	Ratio	Lower	Upper
99	100		
42	13.8	12.2	18.2
71	31.7	26.1	39.1

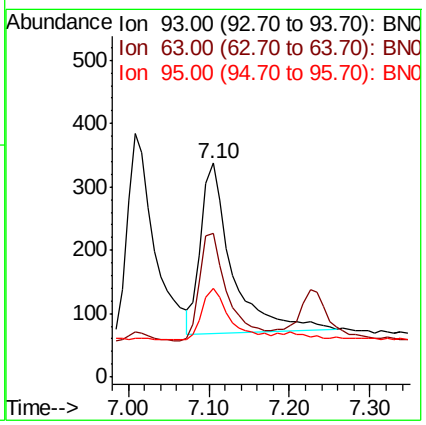


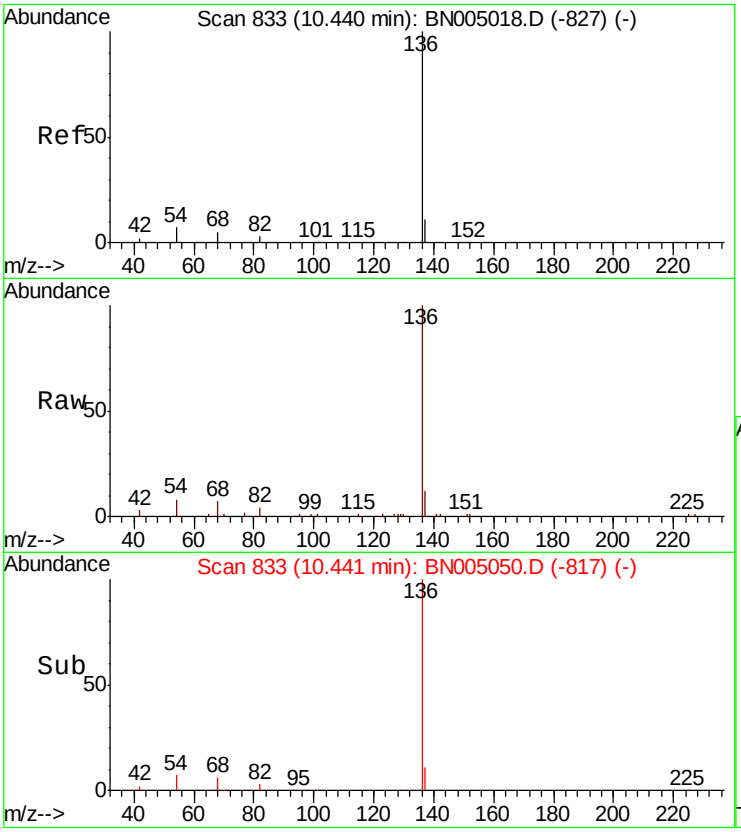


#6
bis(2-Chloroethyl)ether
Concen: 0.094 ng
RT: 7.10 min Scan# 506
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion: 93 Resp: 716

Ion	Ratio	Lower	Upper
93	100		
63	57.4	51.8	77.6
95	27.2	24.8	37.2



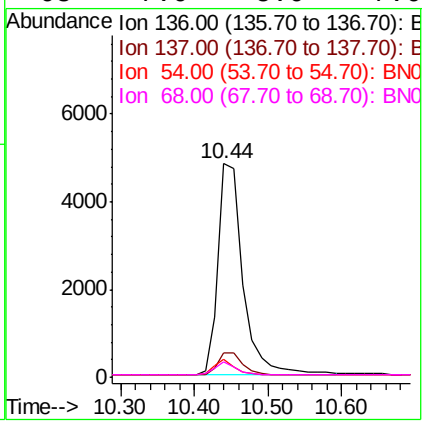


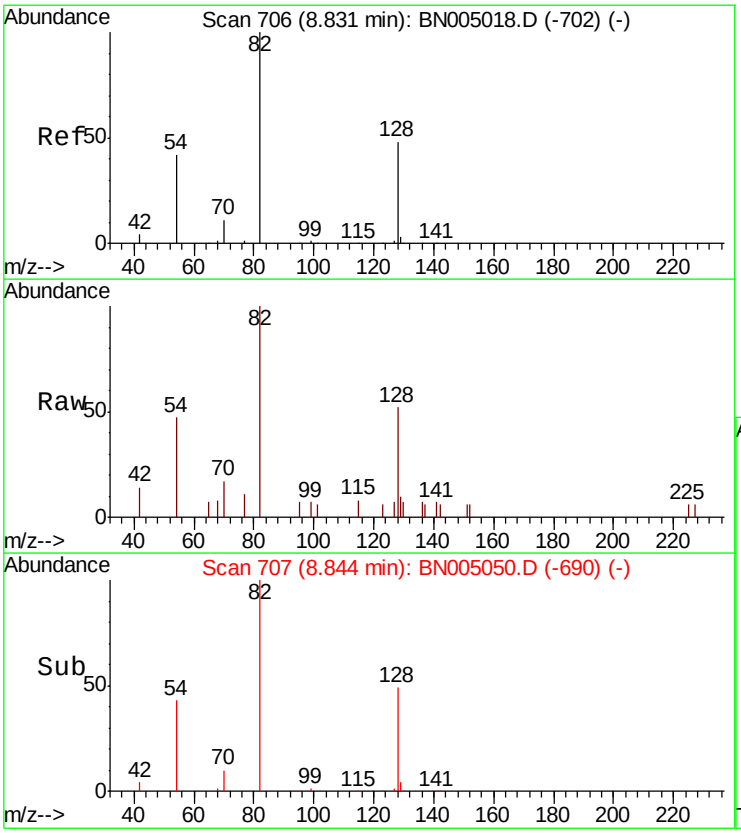
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.44 min Scan# 833
Delta R.T. 0.00 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:136 Resp: 11453

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	8.1	6.0	9.0
68	7.0	5.0	7.6

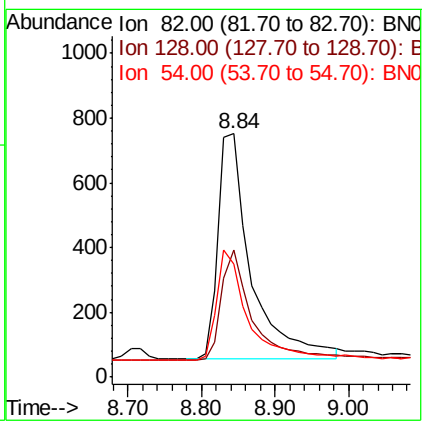


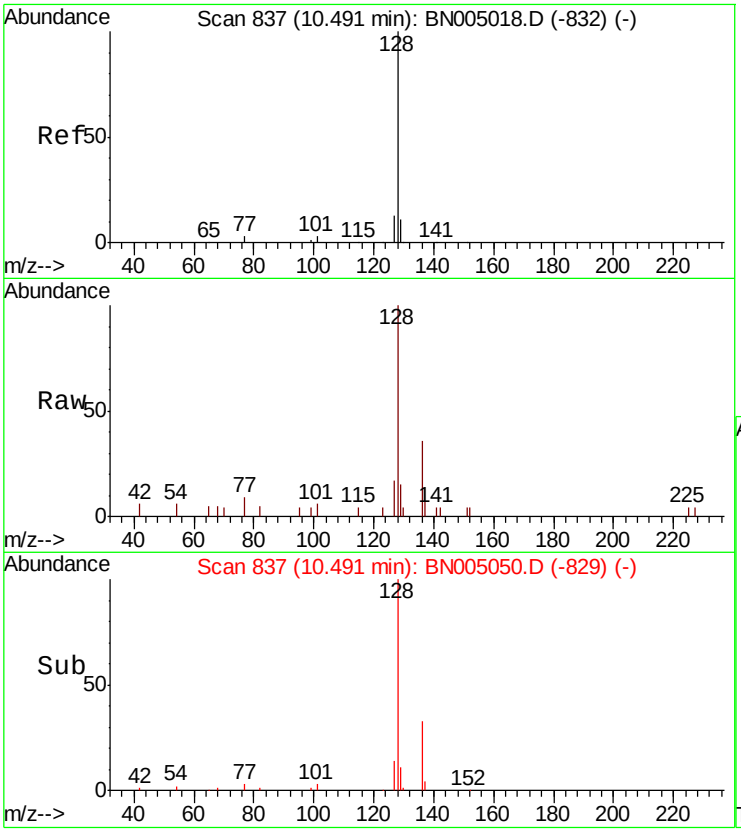


#8
Nitrobenzene-d5
Concen: 0.328 ng
RT: 8.84 min Scan# 707
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion: 82 Resp: 2176

Ion	Ratio	Lower	Upper
82	100		
128	52.3	40.5	60.7
54	46.5	35.7	53.5



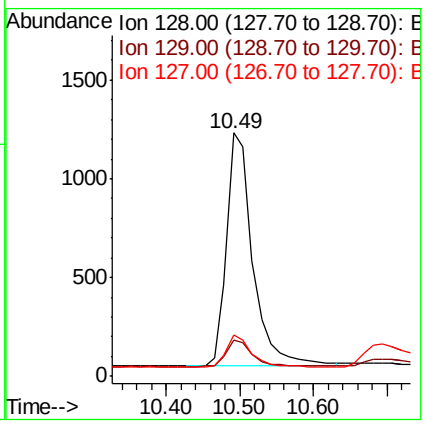


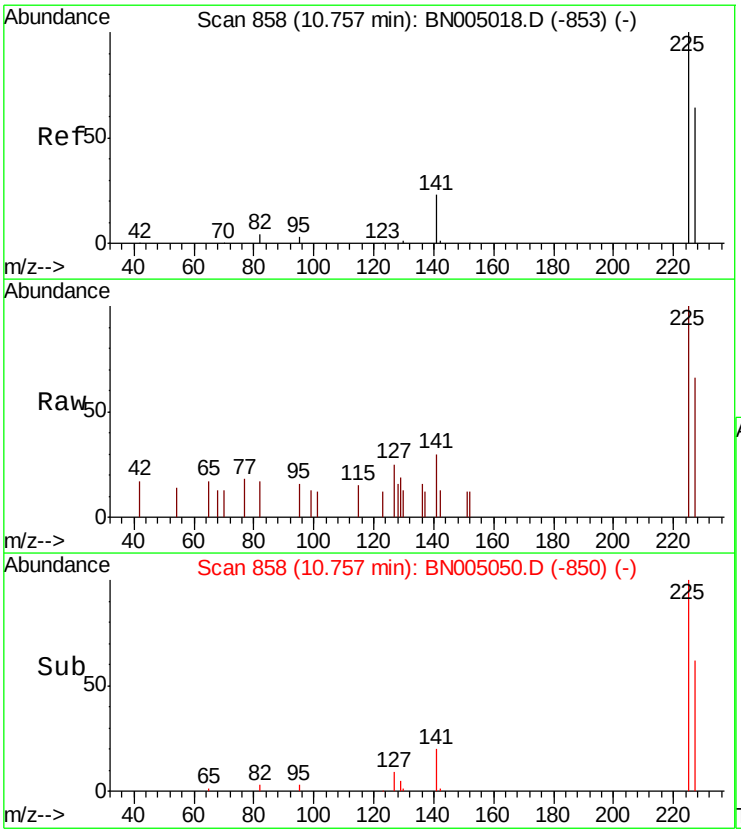
#9
Naphthalene
Concen: 0.102 ng
RT: 10.49 min Scan# 837
Delta R.T. 0.00 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:128 Resp: 2939

Ion	Ratio	Lower	Upper
128	100		
129	14.8	9.4	14.2#
127	17.0	11.0	16.6#

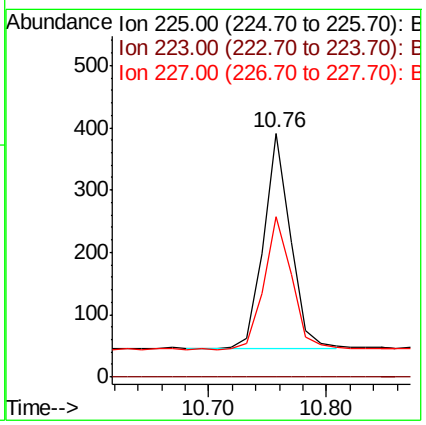


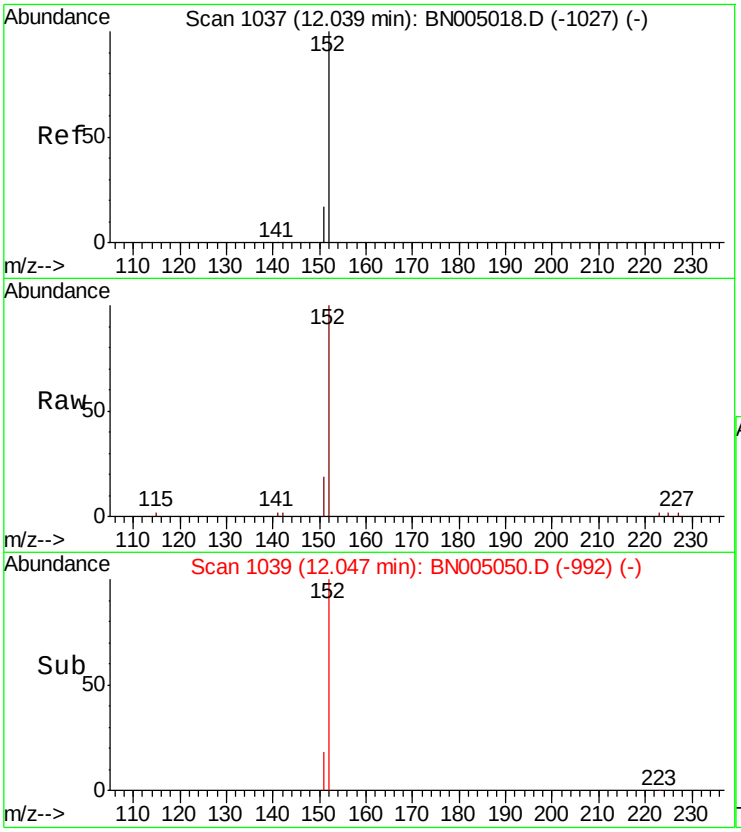


#10
Hexachlorobutadiene
Concen: 0.104 ng
RT: 10.76 min Scan# 858
Delta R.T. 0.00 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion:225 Resp: 558

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.5	77.3



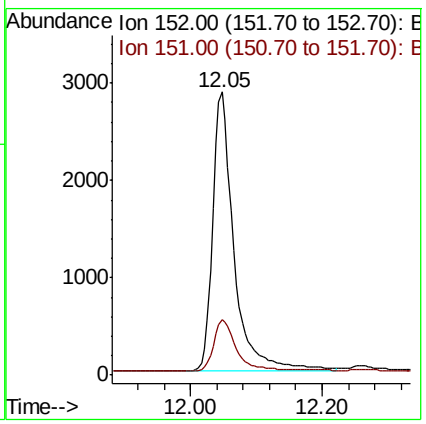


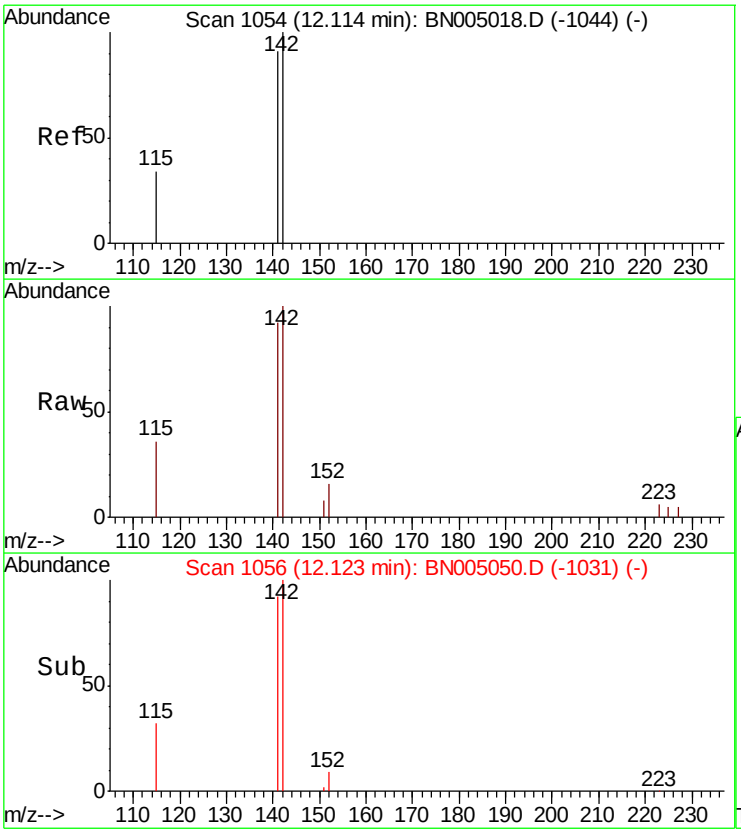
#11
2-Methylnaphthalene-d10
Concen: 0.362 ng
RT: 12.05 min Scan# 1039
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:152 Resp: 6417

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.3	22.9

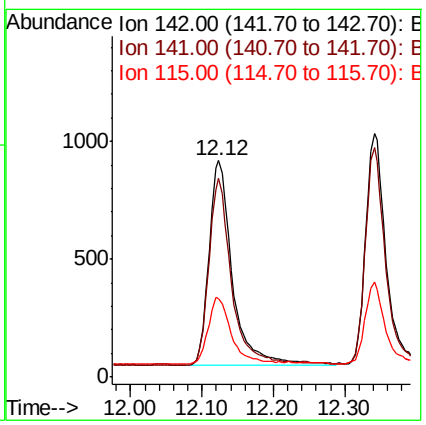


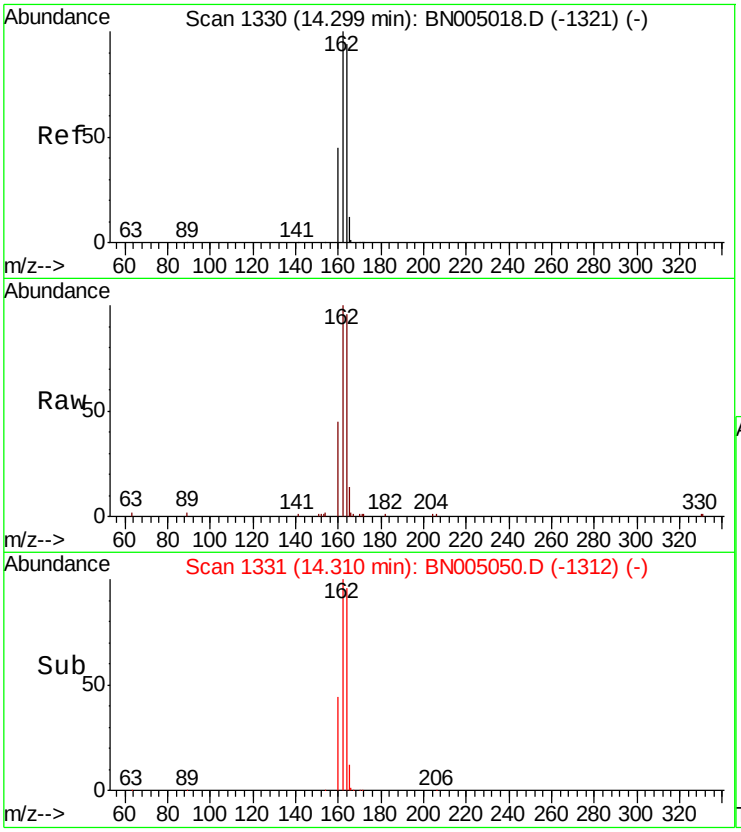


#12
2-Methylnaphthalene
Concen: 0.096 ng
RT: 12.12 min Scan# 1056
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion:142 Resp: 1992

Ion	Ratio	Lower	Upper
142	100		
141	91.8	72.6	108.8
115	36.5	27.8	41.8



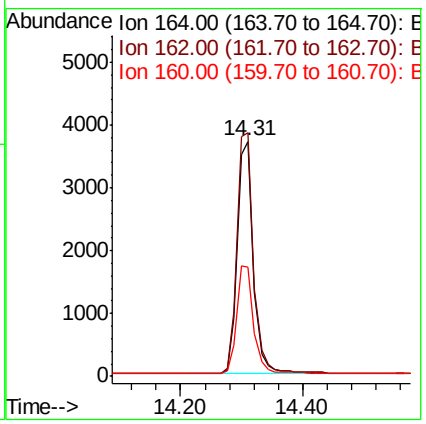


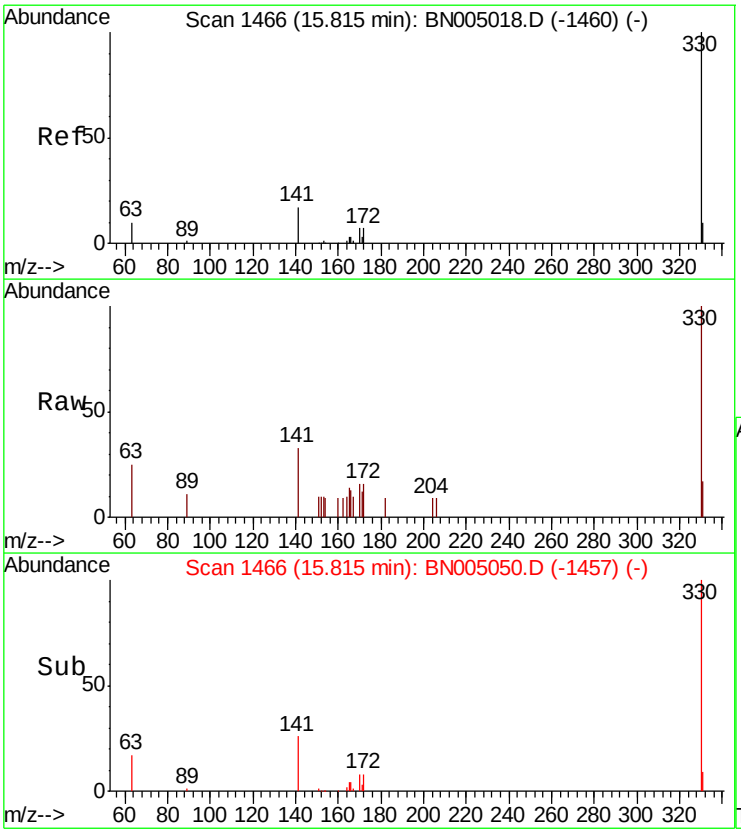
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:164 Resp: 6740

Ion	Ratio	Lower	Upper
164	100		
162	103.7	85.3	127.9
160	46.4	39.2	58.8

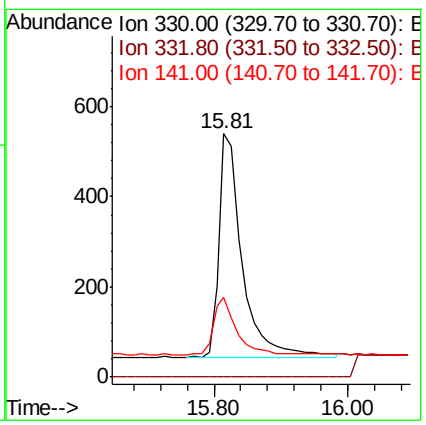


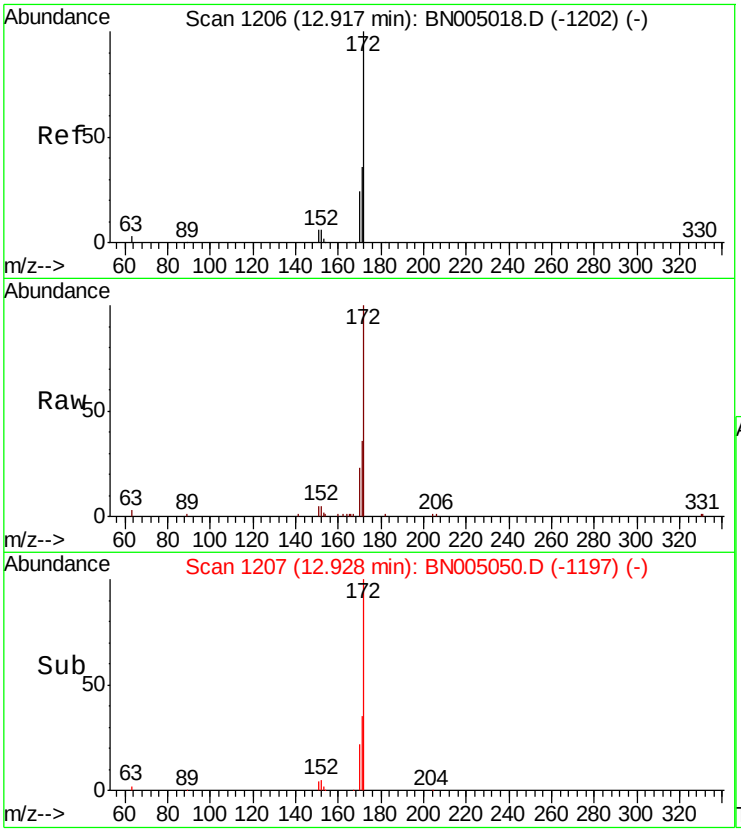


#14
2,4,6-Tribromophenol
Concen: 0.317 ng
RT: 15.81 min Scan# 1466
Delta R.T. 0.00 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion:330 Resp: 1199

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	26.8	21.3	31.9



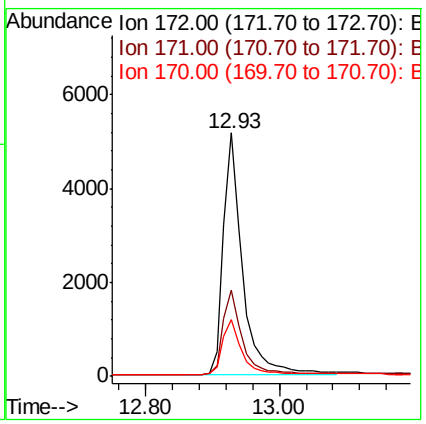


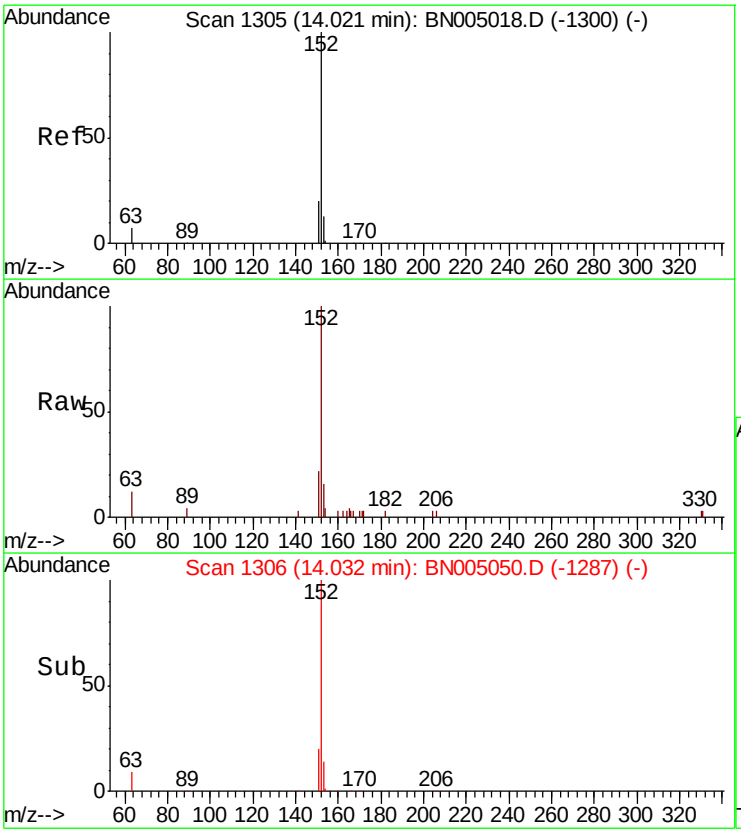
#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 12.93 min Scan# 1207
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:172 Resp: 10144

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	23.2	20.0	30.0

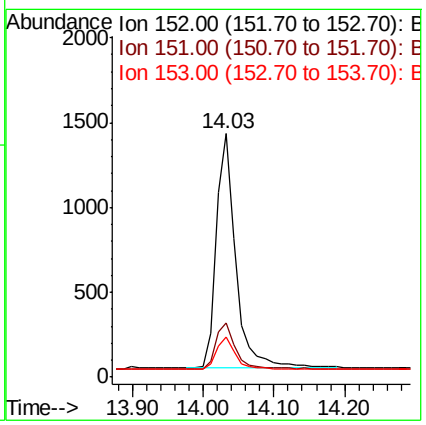


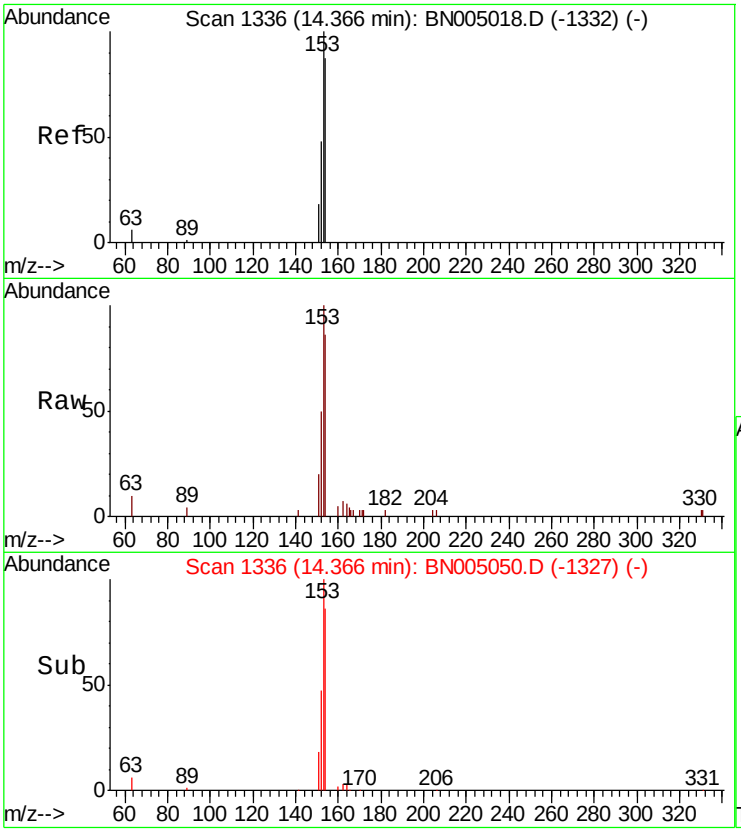


#16
Acenaphthylene
Concen: 0.085 ng
RT: 14.03 min Scan# 1306
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion:152 Resp: 2715

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.6
153	13.1	10.6	15.8



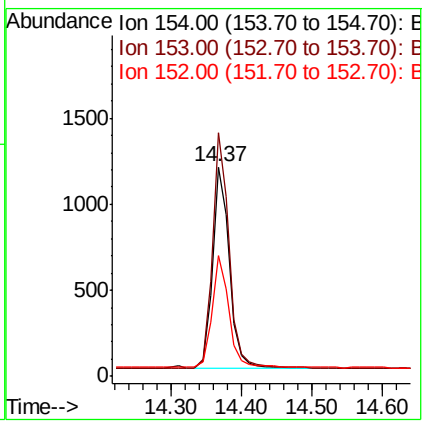


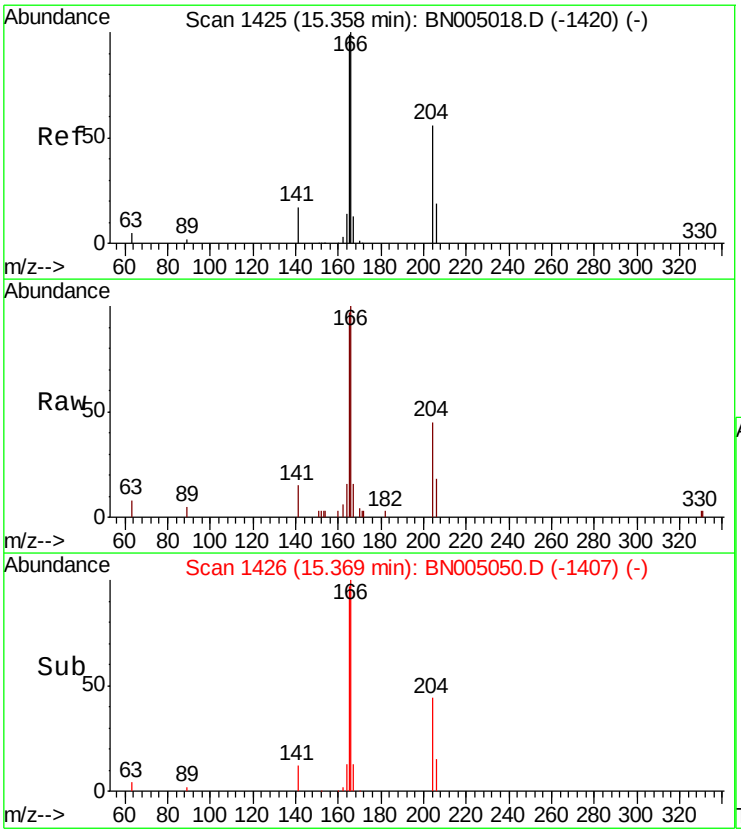
#17
Acenaphthene
Concen: 0.097 ng
RT: 14.37 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:154 Resp: 1968

Ion	Ratio	Lower	Upper
154	100		
153	115.0	92.1	138.1
152	55.6	44.2	66.2

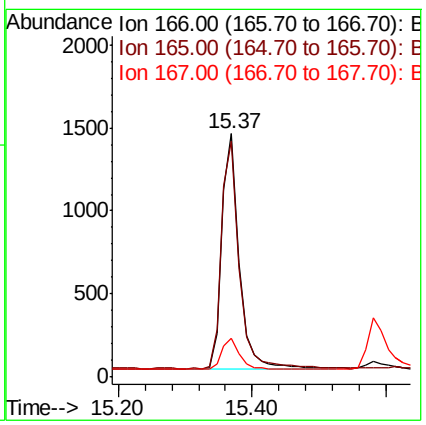


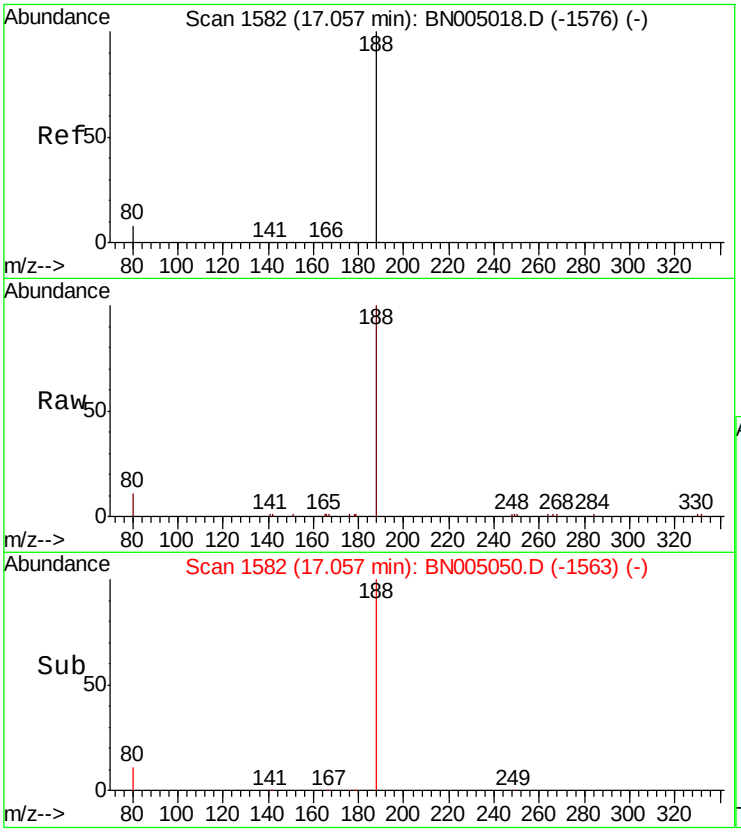


#18
Fluorene
Concen: 0.095 ng
RT: 15.37 min Scan# 1426
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion:166 Resp: 2581

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.7	118.1
167	13.6	10.9	16.3



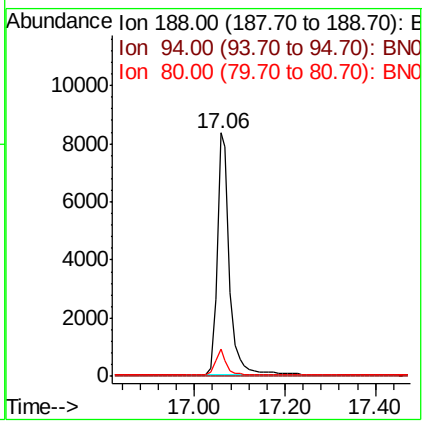


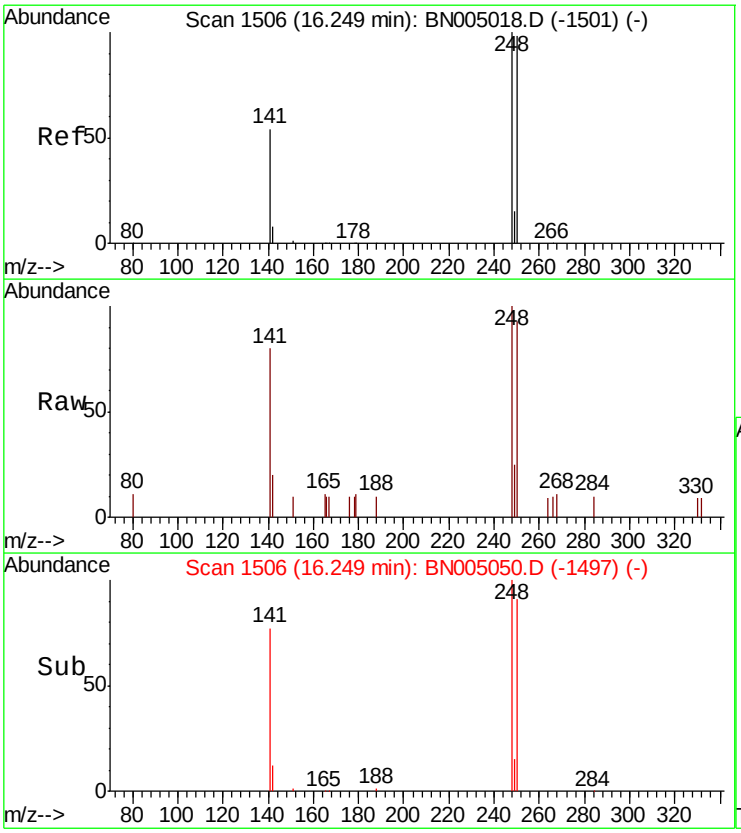
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:188 Resp: 15895

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.2	6.9	10.3#

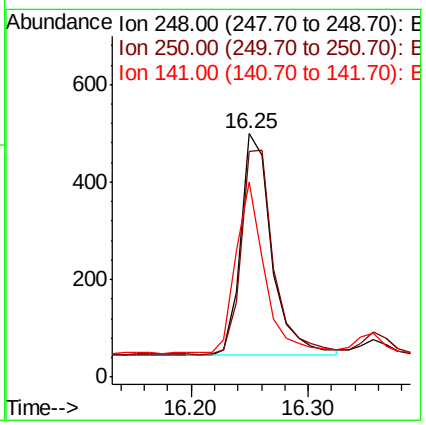


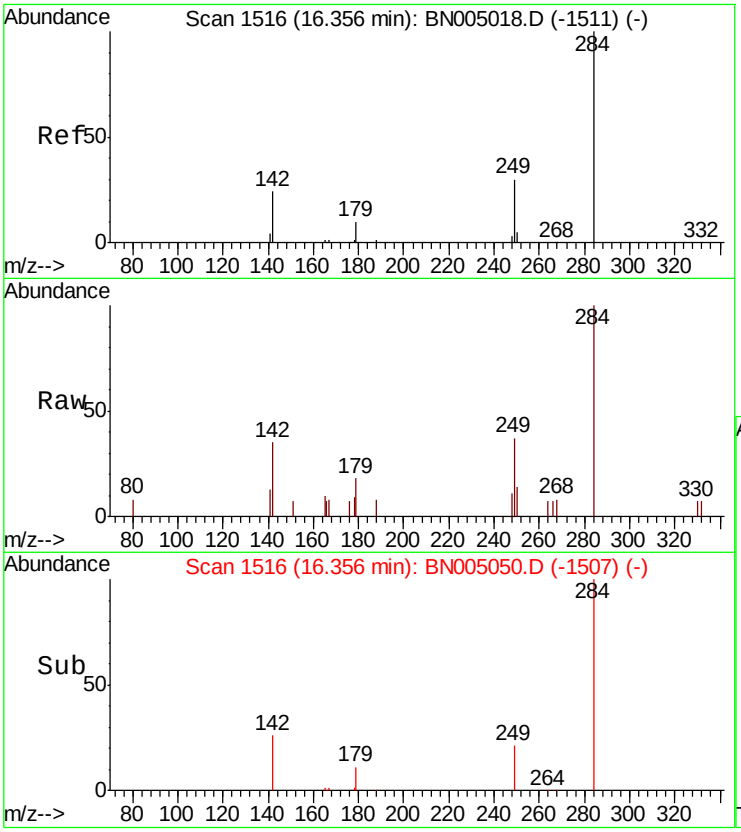


#20
4-Bromophenyl-phenylether
Concen: 0.092 ng
RT: 16.25 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion:248 Resp: 834

Ion	Ratio	Lower	Upper
248	100		
250	92.6	78.6	117.8
141	80.4	43.6	65.4#



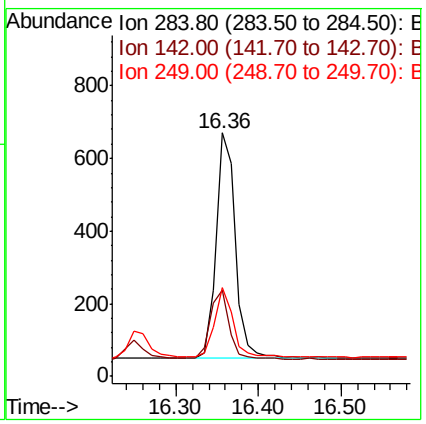


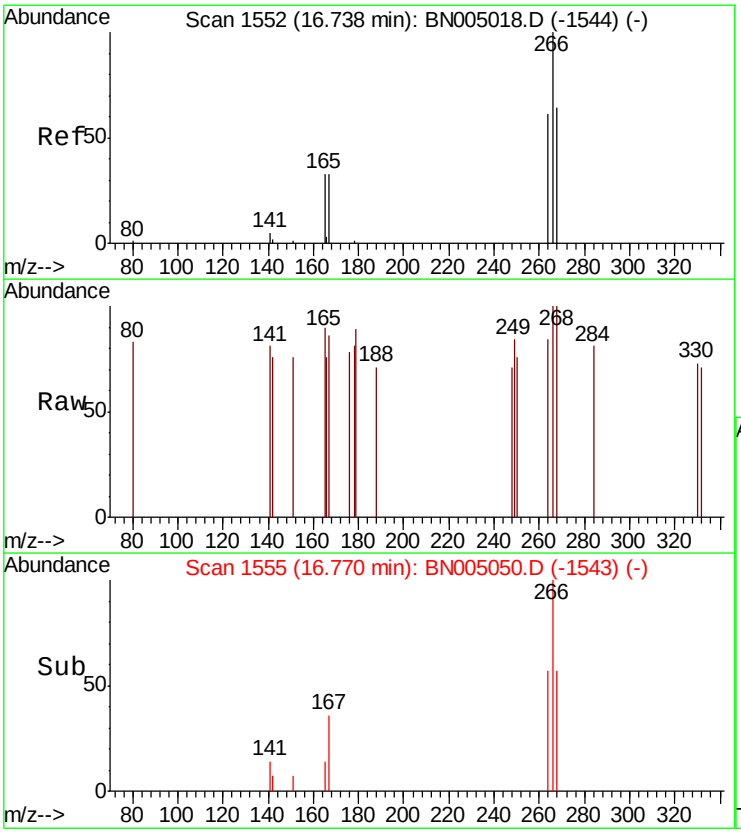
#21
Hexachlorobenzene
Concen: 0.102 ng
RT: 16.36 min Scan# 1516
Delta R.T. 0.00 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:284 Resp: 1024

Ion	Ratio	Lower	Upper
284	100		
142	29.0	24.9	37.3
249	28.8	23.8	35.6

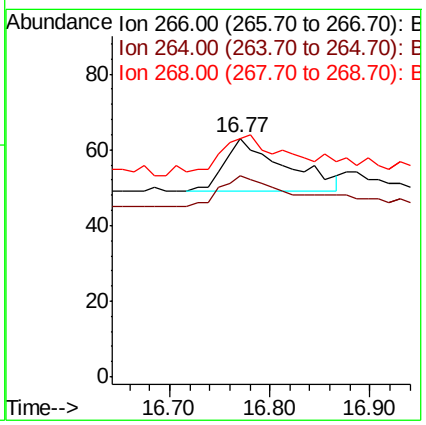


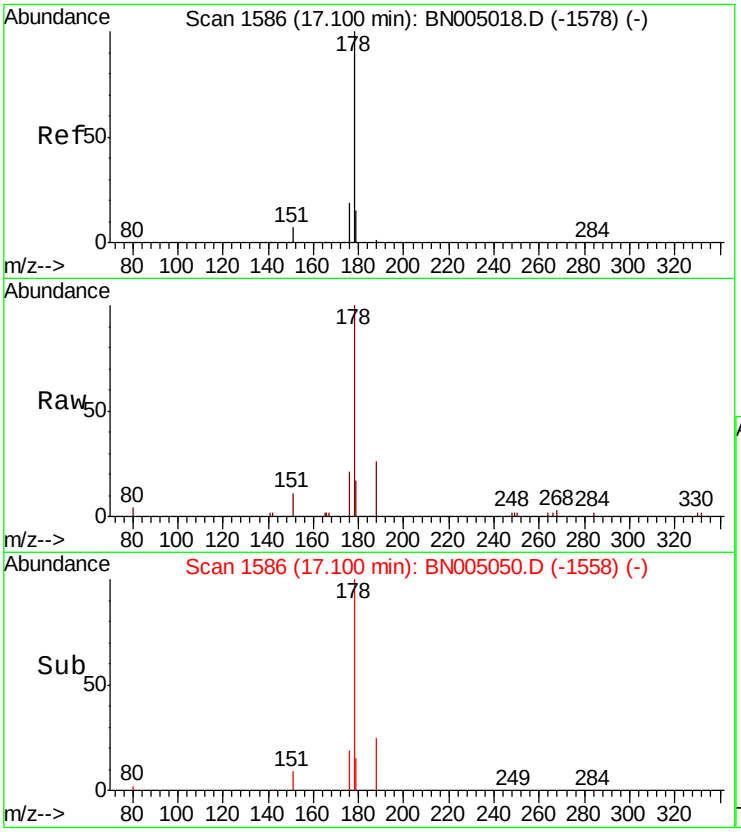


#22
Pentachlorophenol
Concen: 0.119 ng
RT: 16.77 min Scan# 1555
Delta R.T. 0.03 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion:266 Resp: 59

Ion	Ratio	Lower	Upper
266	100		
264	84.1	53.4	80.0#
268	100.0	58.9	88.3#



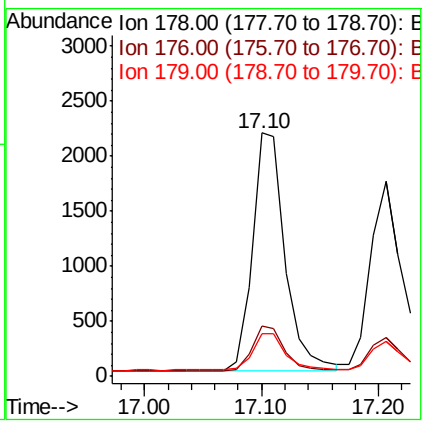


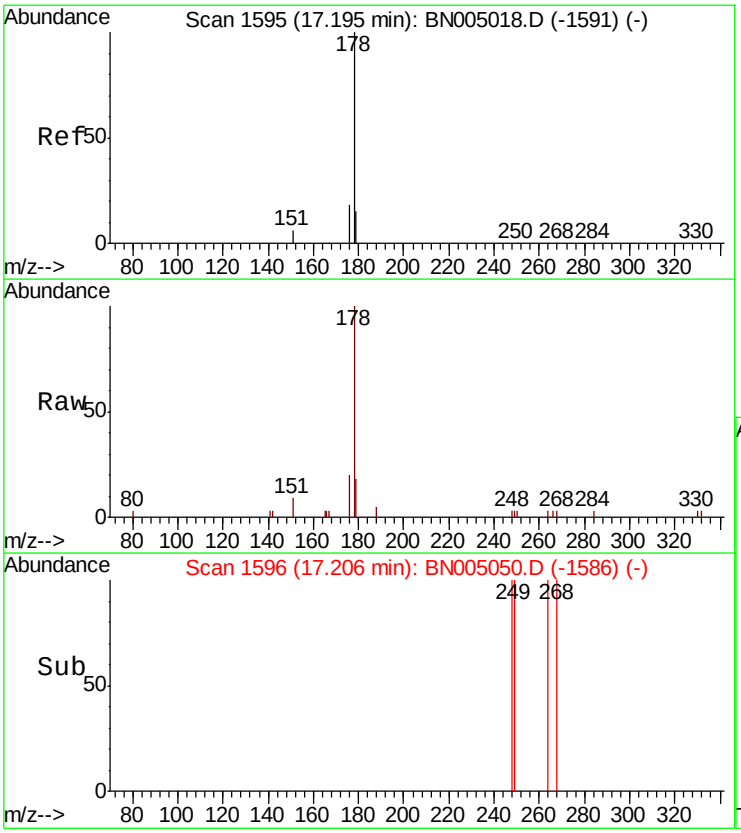
#23
Phenanthrene
Concen: 0.094 ng
RT: 17.10 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:178 Resp: 4192

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.9	12.2	18.2

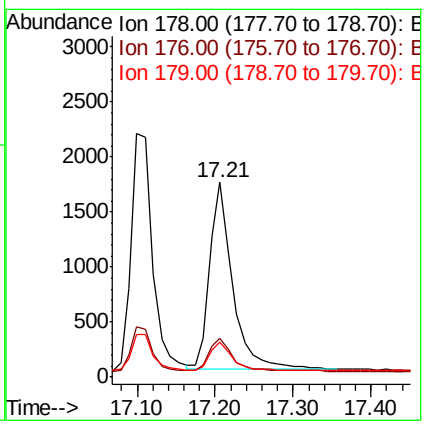


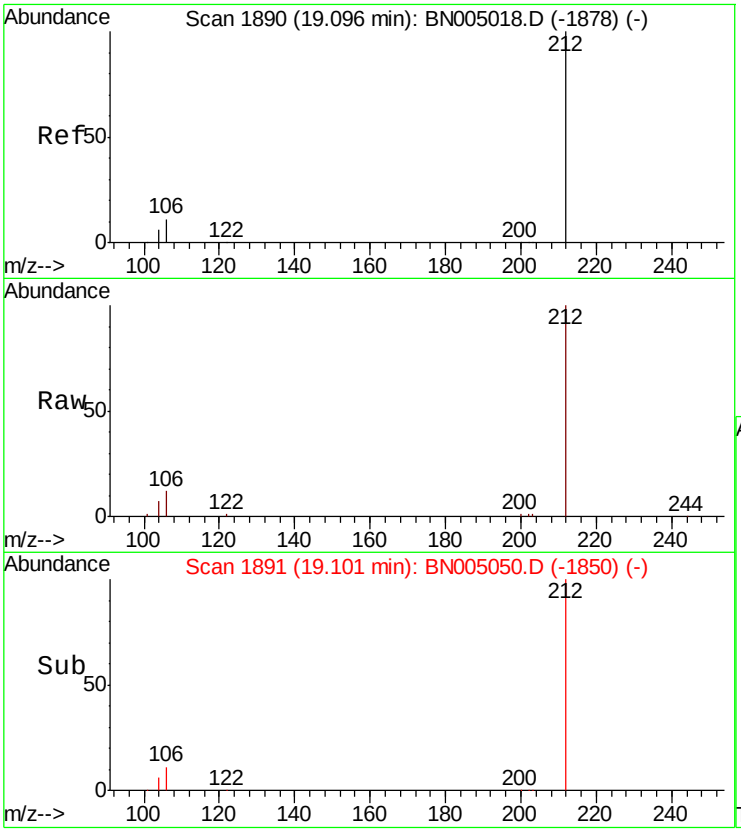


#24
Anthracene
Concen: 0.086 ng
RT: 17.21 min Scan# 1596
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion:178 Resp: 3420

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	15.8	12.3	18.5



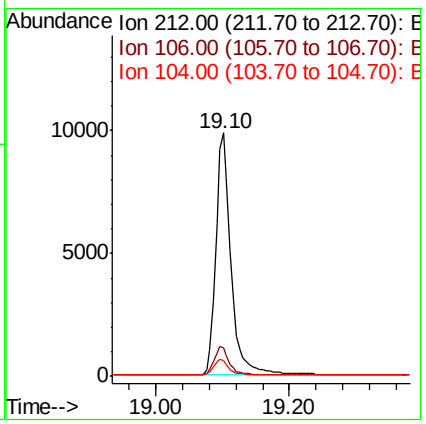


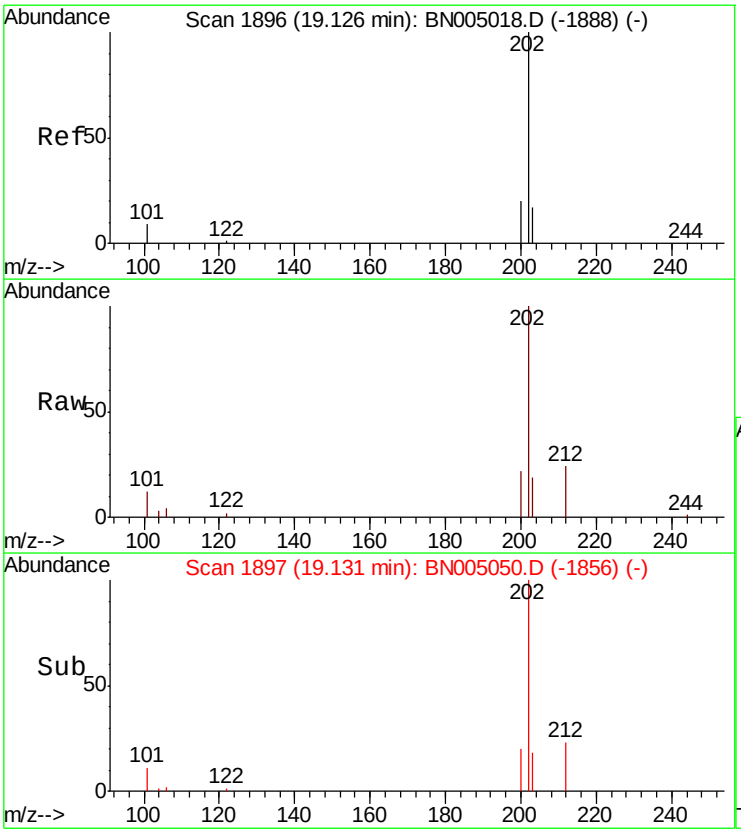
#25
Fluoranthene-d10
Concen: 0.345 ng
RT: 19.10 min Scan# 1891
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:212 Resp: 15644

Ion	Ratio	Lower	Upper
212	100		
106	11.9	9.4	14.2
104	6.6	5.4	8.0

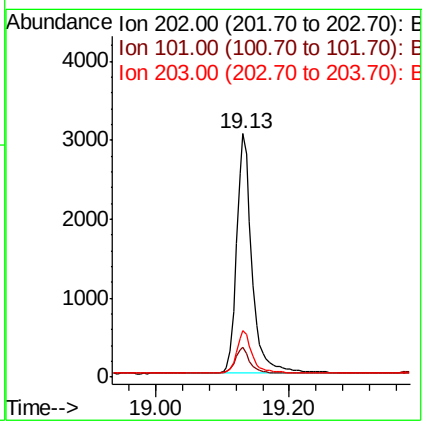


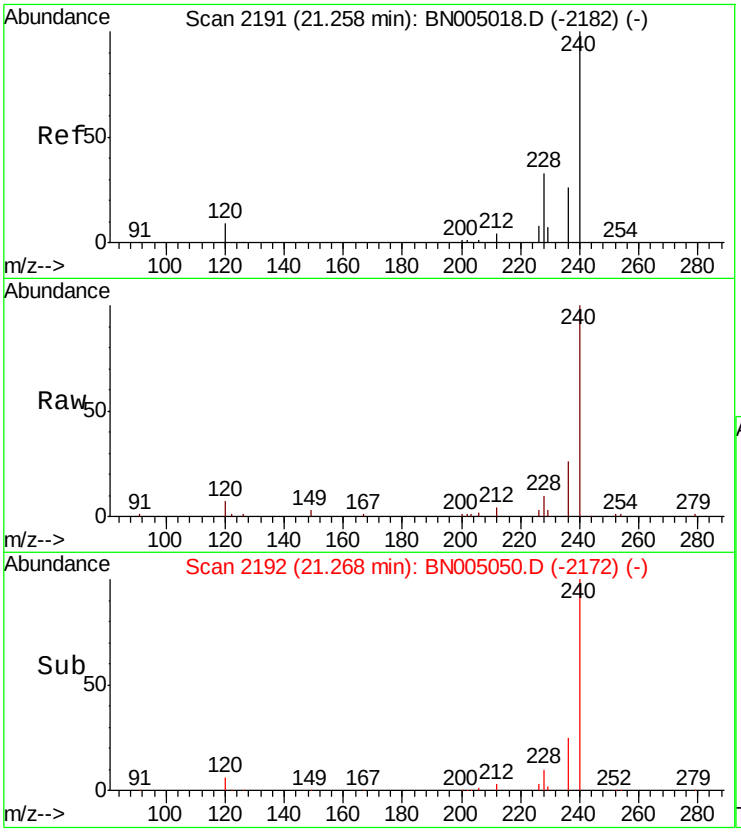


#26
Fluoranthene
Concen: 0.091 ng
RT: 19.13 min Scan# 1897
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion:202 Resp: 4937

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.2	12.2
203	17.2	13.8	20.8



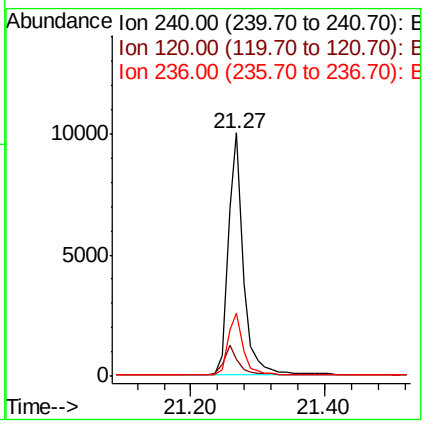


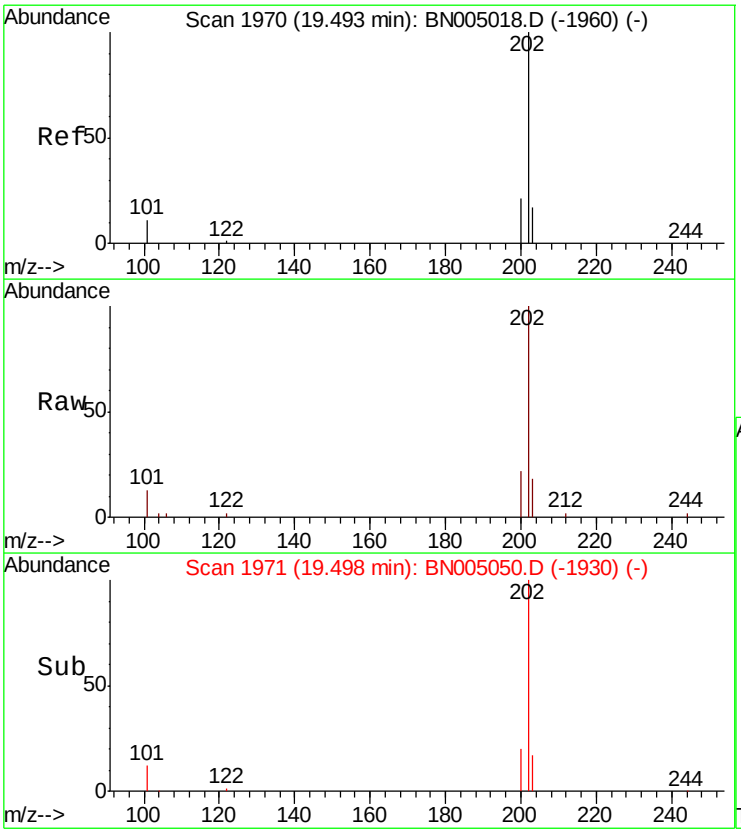
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:240 Resp: 15644

Ion	Ratio	Lower	Upper
240	100		
120	7.0	7.4	11.0#
236	25.7	21.0	31.6

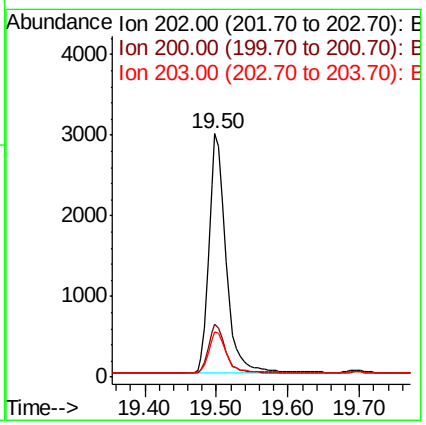


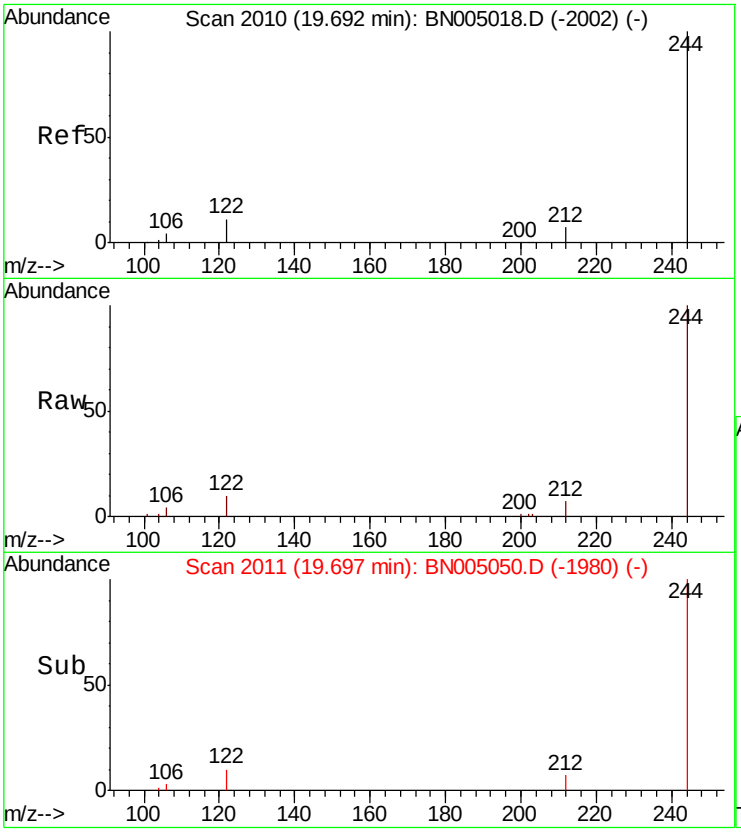


#28
Pyrene
Concen: 0.111 ng
RT: 19.50 min Scan# 1971
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion:202 Resp: 4916

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	17.5	13.9	20.9



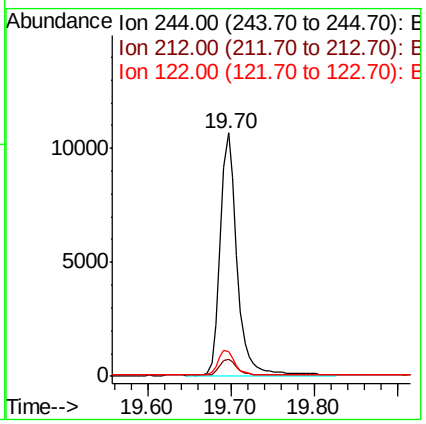


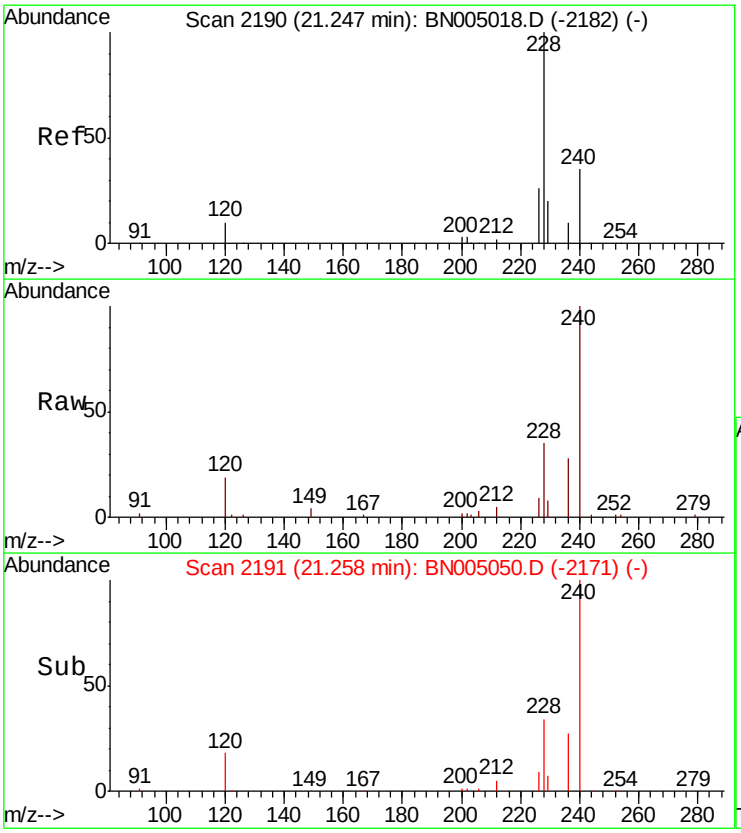
#29
Terphenyl-d14
Concen: 0.464 ng
RT: 19.70 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:244 Resp: 14902

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	10.2	9.0	13.4

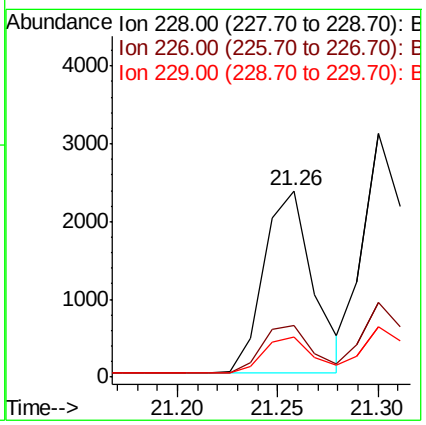


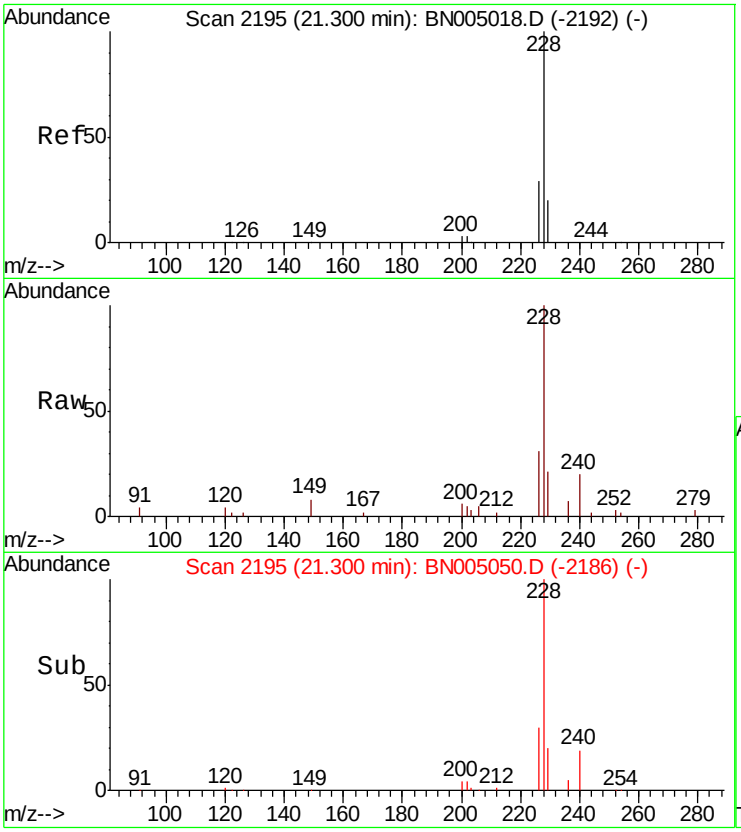


#30
Benzo(a)anthracene
Concen: 0.091 ng
RT: 21.26 min Scan# 2191
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion:228 Resp: 4011

Ion	Ratio	Lower	Upper
228	100		
226	27.4	20.9	31.3
229	21.8	16.2	24.2



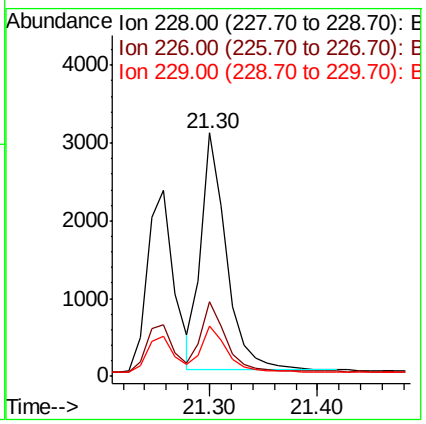


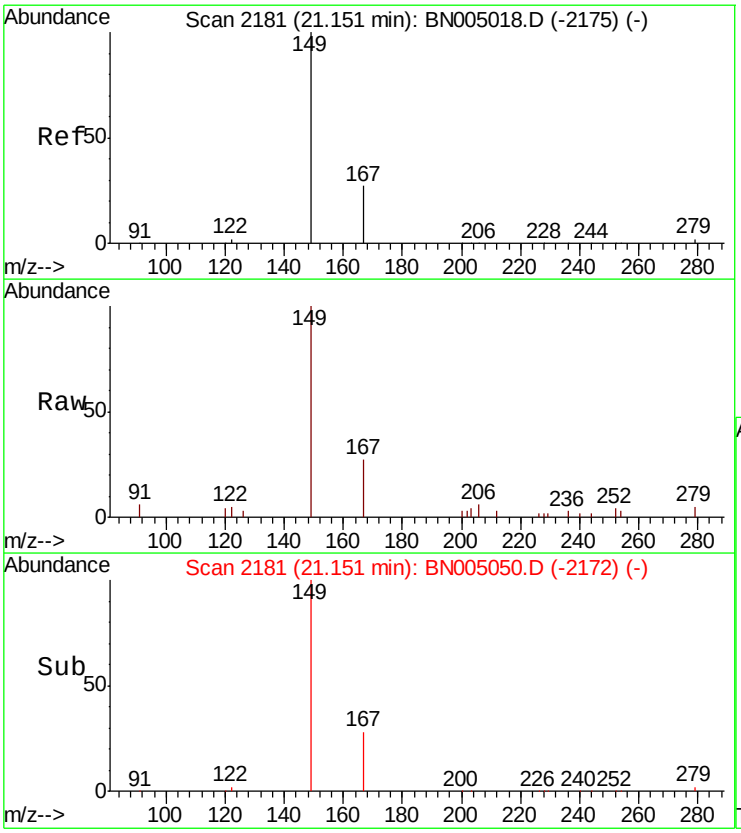
#31
Chrysene
Concen: 0.104 ng
RT: 21.30 min Scan# 2195
Delta R.T. 0.00 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:228 Resp: 4942

Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.8	34.2
229	20.9	16.2	24.4

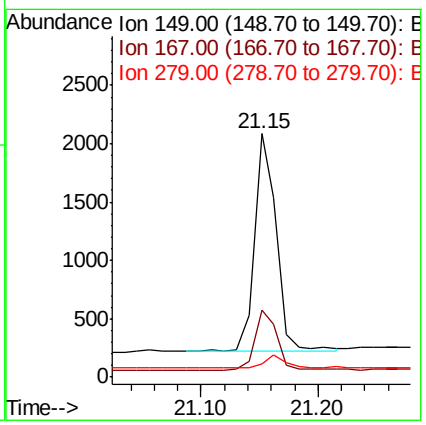


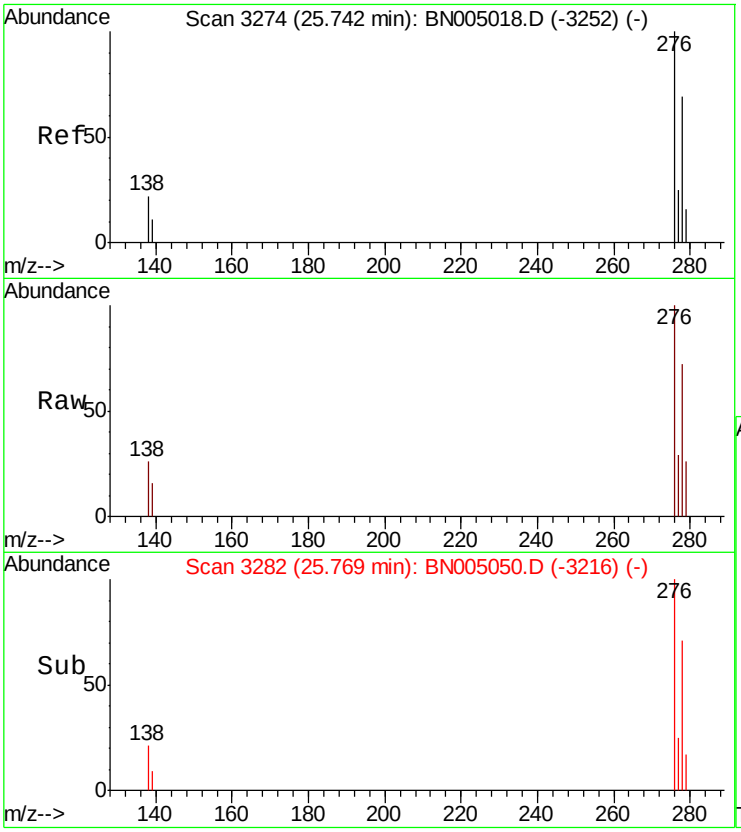


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.132 ng
RT: 21.15 min Scan# 2181
Delta R.T. 0.00 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion:149 Resp: 2435

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.2	33.4
279	5.3	4.2	6.4



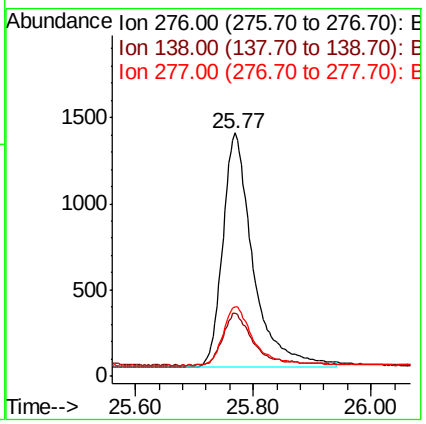


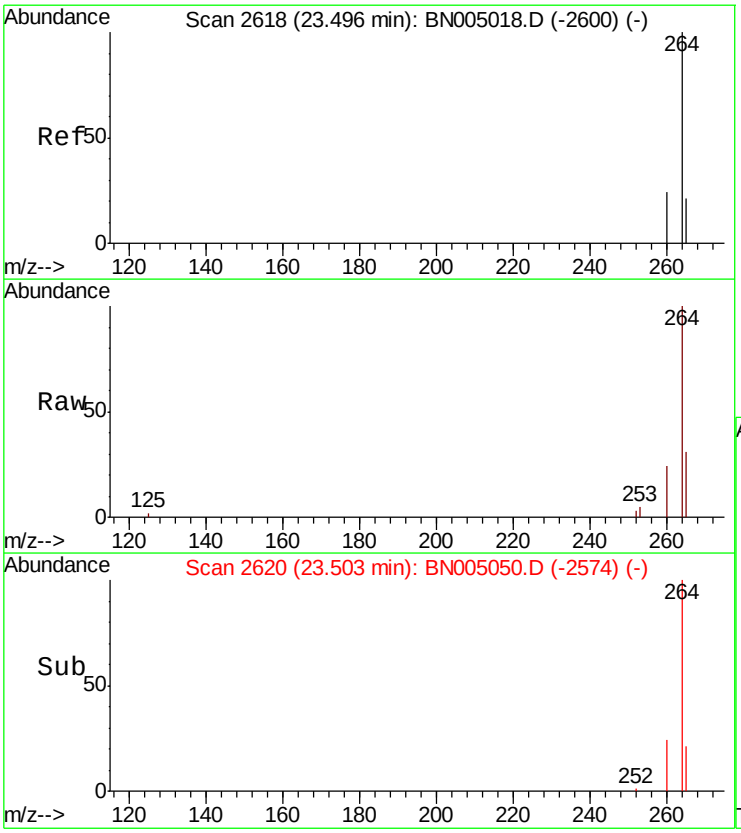
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.091 ng
RT: 25.77 min Scan# 3282
Delta R.T. 0.03 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:276 Resp: 4870

Ion	Ratio	Lower	Upper
276	100		
138	21.7	18.2	27.2
277	24.7	20.3	30.5

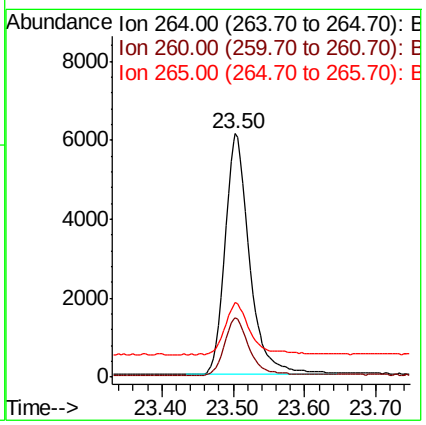


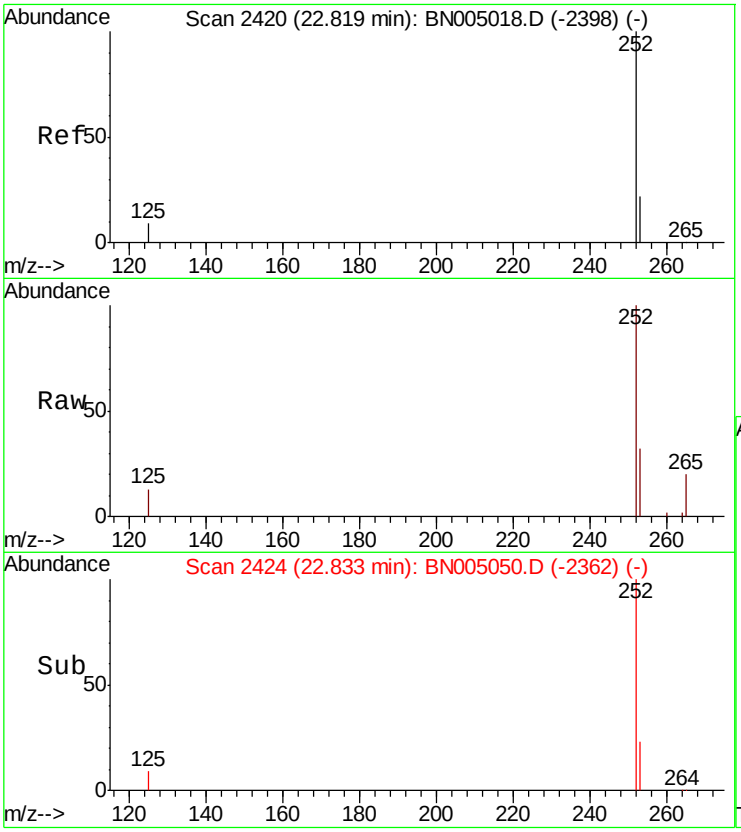


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.50 min Scan# 2620
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion:264 Resp: 14679

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.0
265	30.7	22.5	33.7



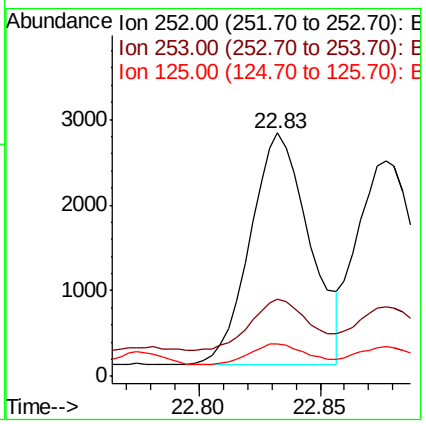


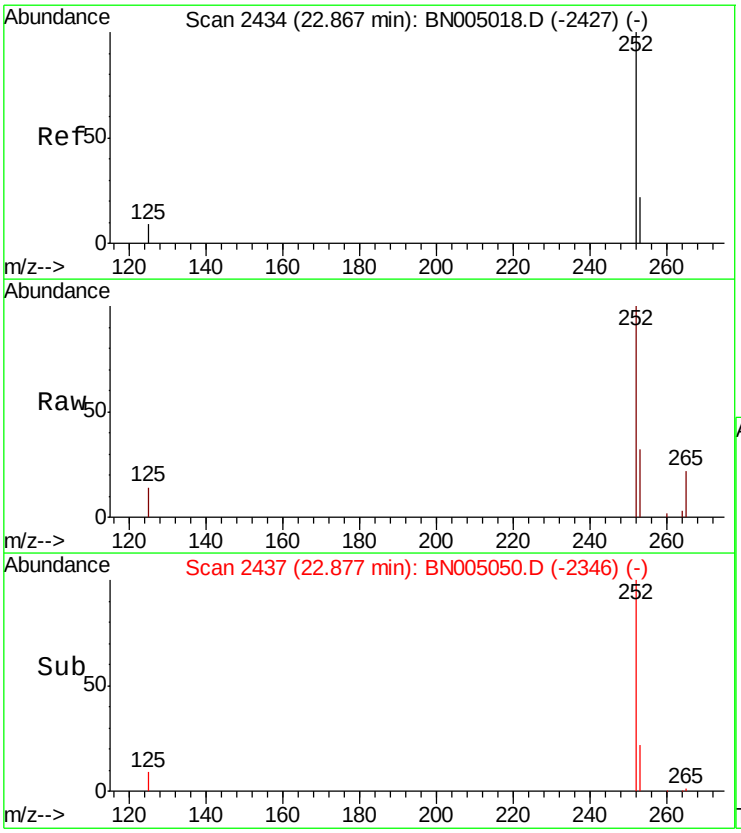
#35
Benzo(b)fluoranthene
Concen: 0.098 ng
RT: 22.83 min Scan# 2424
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:252 Resp: 4604

Ion	Ratio	Lower	Upper
252	100		
253	31.6	19.2	28.8#
125	13.2	8.2	12.2#

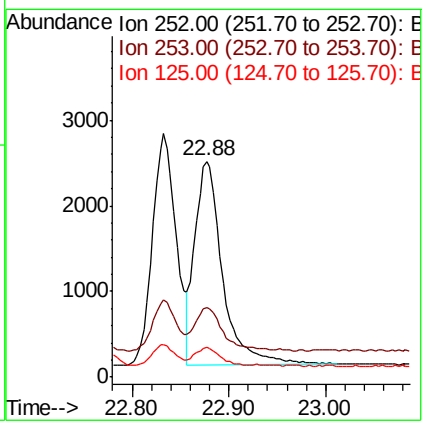


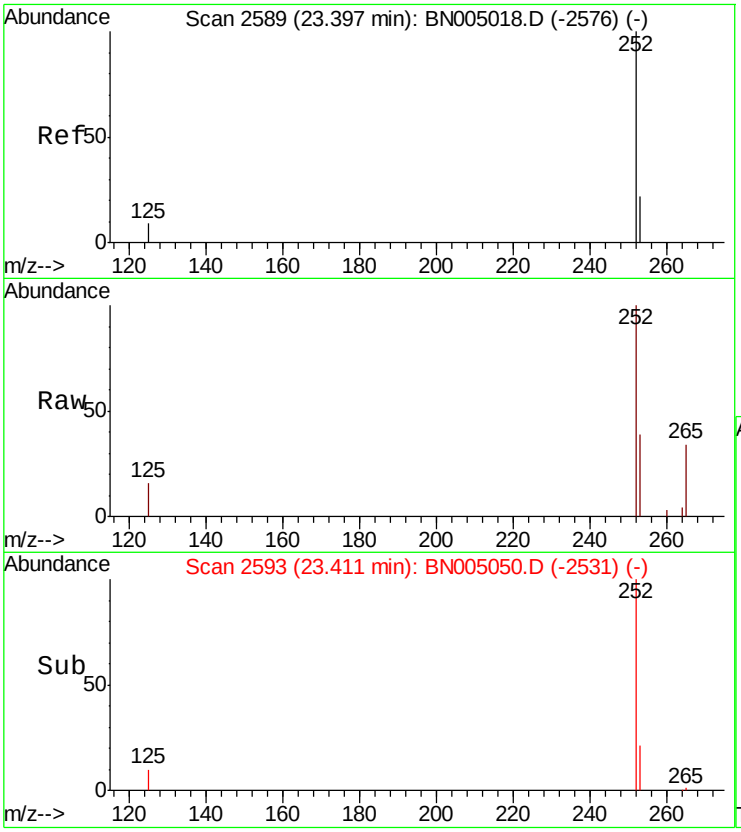


#36
Benzo(k)fluoranthene
Concen: 0.102 ng
RT: 22.88 min Scan# 2437
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion:252 Resp: 4625

Ion	Ratio	Lower	Upper
252	100		
253	32.0	19.3	28.9#
125	14.1	8.2	12.2#



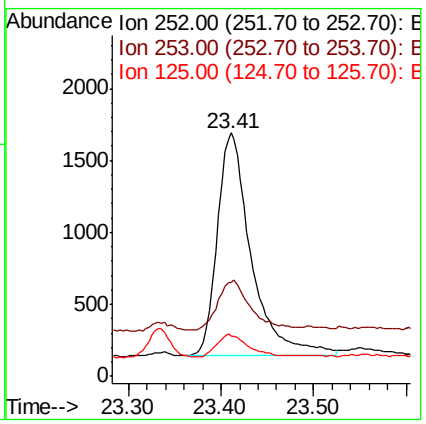


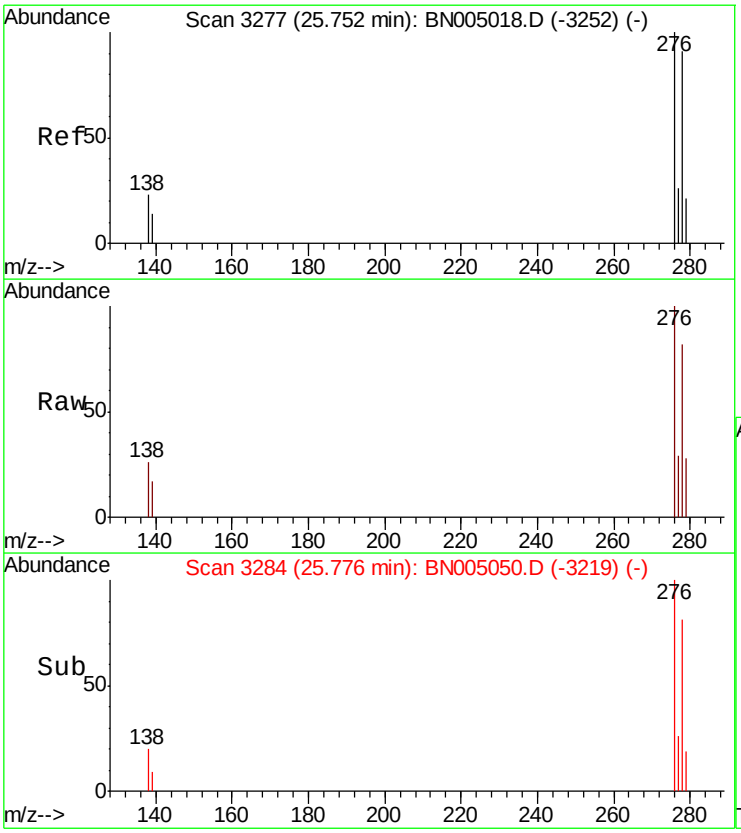
#37
Benzo(a)pyrene
Concen: 0.095 ng
RT: 23.41 min Scan# 2593
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:252 Resp: 3965

Ion	Ratio	Lower	Upper
252	100		
253	38.6	20.2	30.2#
125	16.4	9.2	13.8#

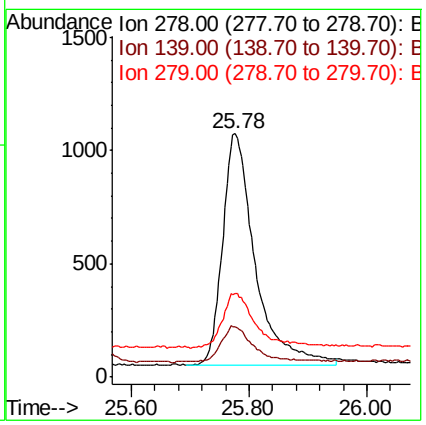


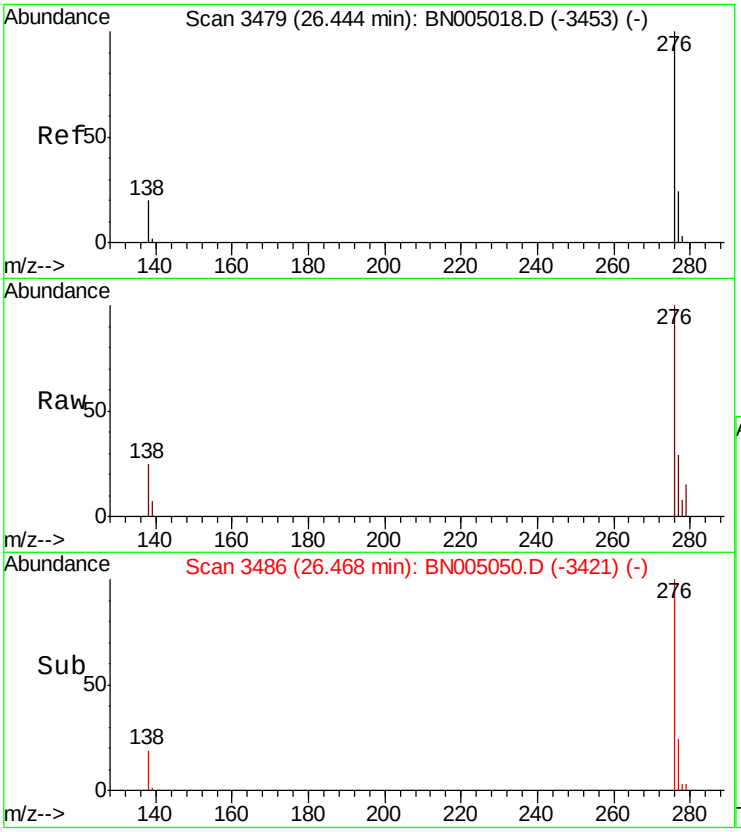


#38
Dibenzo(a,h)anthracene
Concen: 0.093 ng
RT: 25.78 min Scan# 3284
Delta R.T. 0.02 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion:278 Resp: 3905

Ion	Ratio	Lower	Upper
278	100		
139	20.9	13.1	19.7#
279	34.4	20.2	30.2#





#39
Benzo(g,h,i)perylene
Concen: 0.099 ng
RT: 26.47 min Scan# 3486
Delta R.T. 0.02 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:276 Resp: 4191

Ion	Ratio	Lower	Upper
276	100		
277	28.6	19.8	29.6
138	24.6	16.4	24.6