Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070919\
Data File : BN006769.D
Acq On : 09 Jul 2019 16:32
Operator : HP/JU
Sample : K2241-03
Misc : MDL-S-0.1PPM
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-MDL-SOIL-03-QT2-2019

Quant Time: Jul 10 04:18:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN070919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 09 13:11:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	3233	0.40	ng		0.00
7) Naphthalene-d8	10.38	136	11679	0.40	ng		0.01
13) Acenaphthene-d10	14.24	164	6976	0.40	ng		0.00
19) Phenanthrene-d10	17.01	188	16190	0.40	ng		0.01
27) Chrysene-d12	21.25	240	16032	0.40	ng		0.01
34) Perylene-d12	23.49	264	18470	0.40	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.24	112	2720	0.38	ng		0.00
5) Phenol-d6	6.83	99	3253	0.33	ng		0.02
8) Nitrobenzene-d5	8.82	82	2555	0.32	ng		0.04
11) 2-Methylnaphthalene-d10	11.99	152	6674	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.78	330	1073	0.33	ng		0.01
15) 2-Fluorobiphenyl	12.87	172	9954	0.38	ng		0.01
25) Fluoranthene-d10	19.06	212	19007	0.39	ng		0.00
29) Terphenyl-d14	19.66	244	15043	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.12	88	751	0.141	ng		96
3) n-Nitrosodimethylamine	3.50	42	294	0.264	ng		98
6) bis(2-Chloroethyl)ether	7.07	93	887	0.081	ng	#	93
9) Naphthalene	10.43	128	3959	0.127	ng	#	93
10) Hexachlorobutadiene	10.68	225	865	0.128	ng	#	99
12) 2-Methylnaphthalene	12.06	142	2485	0.124	ng		96
16) Acenaphthylene	13.96	152	3918	0.119	ng		99
17) Acenaphthene	14.31	154	2723	0.123	ng		99
18) Fluorene	15.31	166	3171	0.116	ng		99
20) 4-Bromophenyl-phenylether	16.21	248	989	0.108	ng	#	92
21) Hexachlorobenzene	16.32	284	1436	0.120	ng		98
22) Pentachlorophenol	16.74	266	227	0.307	ng		89
23) Phenanthrene	17.06	178	5407	0.120	ng		99
24) Anthracene	17.16	178	4016	0.103	ng		99
26) Fluoranthene	19.09	202	7132	0.127	ng		99
28) Pyrene	19.46	202	7300	0.131	ng		99
30) Benzo(a)anthracene	21.24	228	6019	0.122	ng		97
31) Chrysene	21.29	228	6763	0.122	ng		98
32) Bis(2-ethylhexyl)phthalate	21.14	149	2294	0.100	ng		97
33) Indeno(1,2,3-cd)pyrene	25.73	276	8520	0.126	ng		100
35) Benzo(b)fluoranthene	22.83	252	6904	0.119	ng	#	92
36) Benzo(k)fluoranthene	22.87	252	8485	0.130	ng	#	90
37) Benzo(a)pyrene	23.40	252	7092	0.126	ng	#	87
38) Dibenzo(a,h)anthracene	25.74	278	6855	0.121	ng	#	91
39) Benzo(g,h,i)perylene	26.41	276	7719	0.130	ng		95

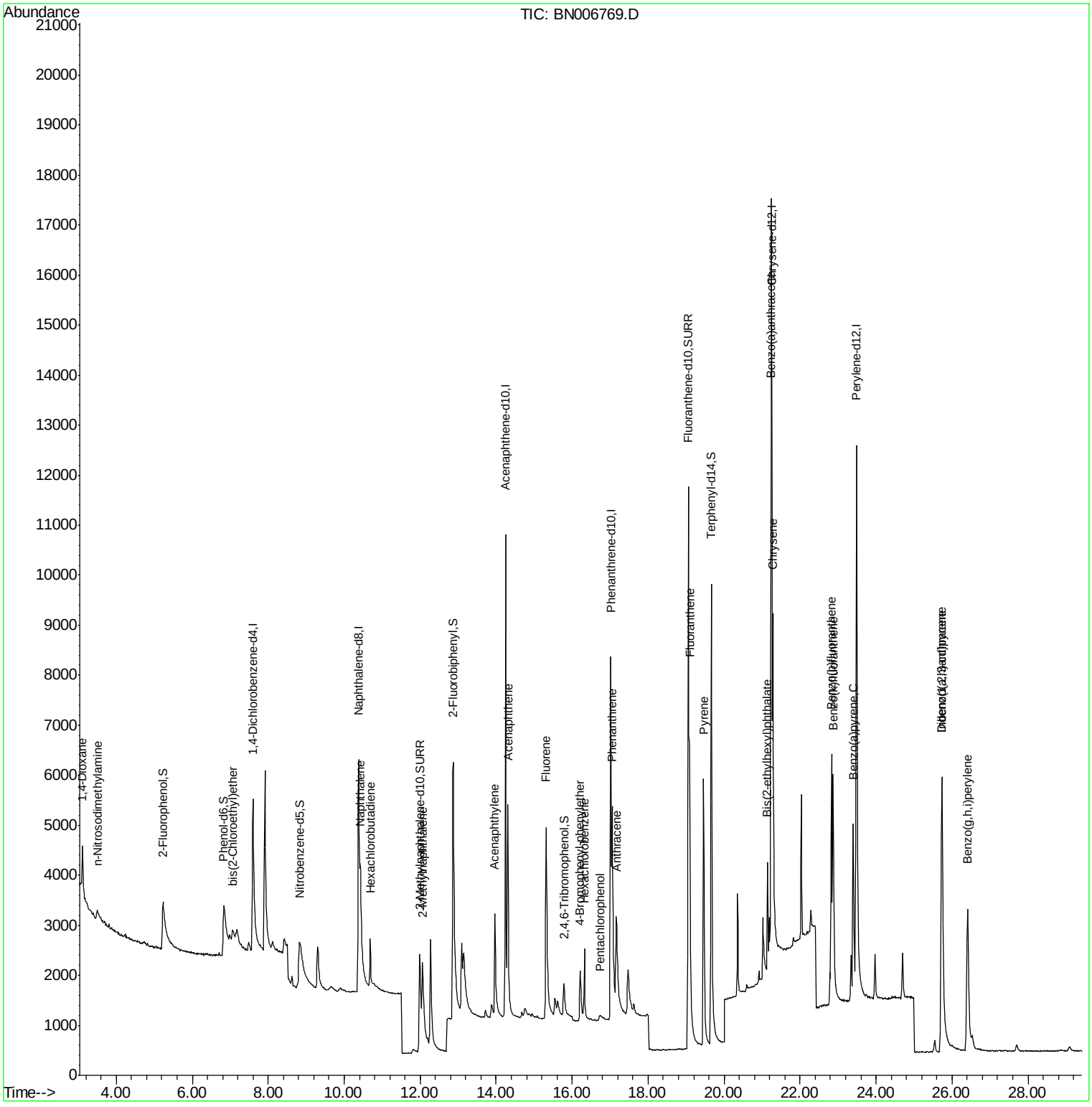
(#) = qualifier out of range (m) = manual integration (+) = signals summed

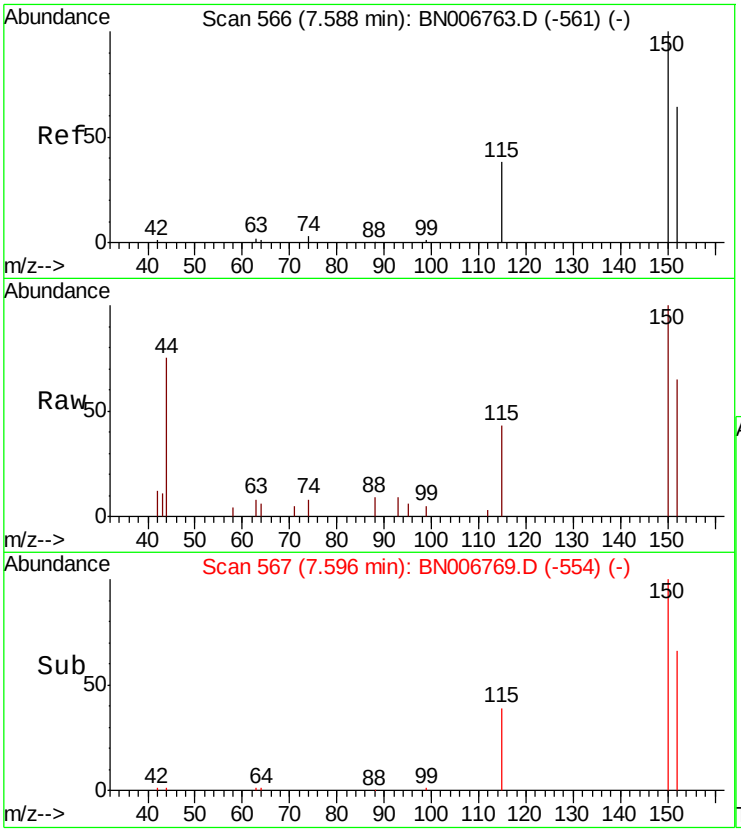
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070919\
Data File : BN006769.D
Acq On : 09 Jul 2019 16:32
Operator : HP/JU
Sample : K2241-03
Misc : MDL-S-0.1PPM
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Quant Time: Jul 10 04:18:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN070919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 09 13:11:11 2019
Response via : Initial Calibration



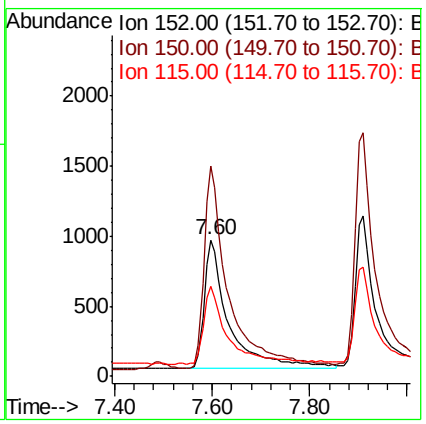


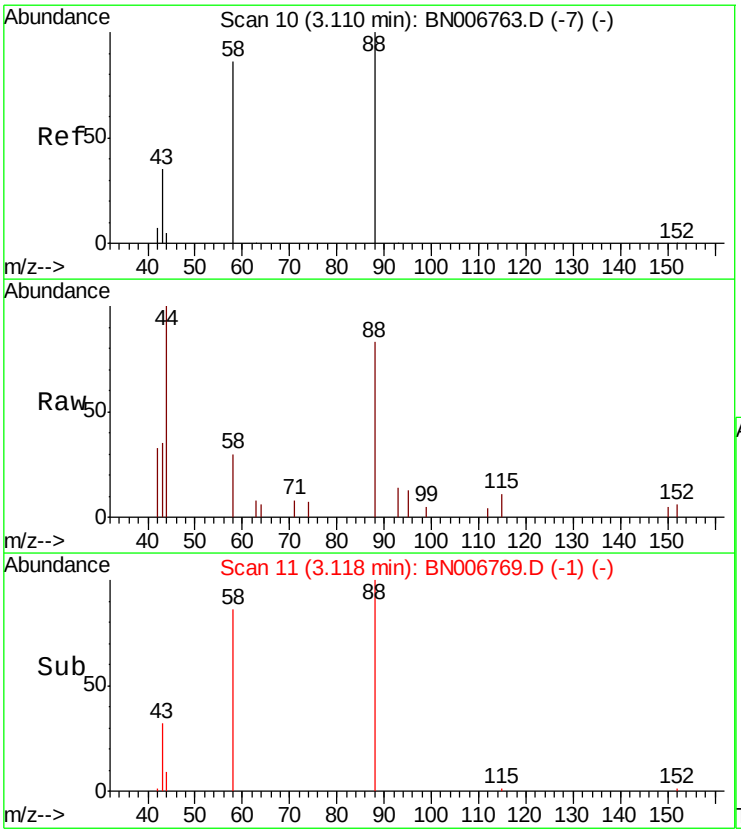
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.60 min Scan# 567
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:152 Resp: 3233

Ion	Ratio	Lower	Upper
152	100		
150	154.1	123.6	185.4
115	65.7	52.5	78.7

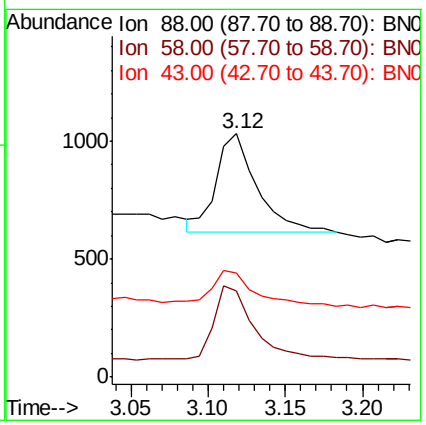


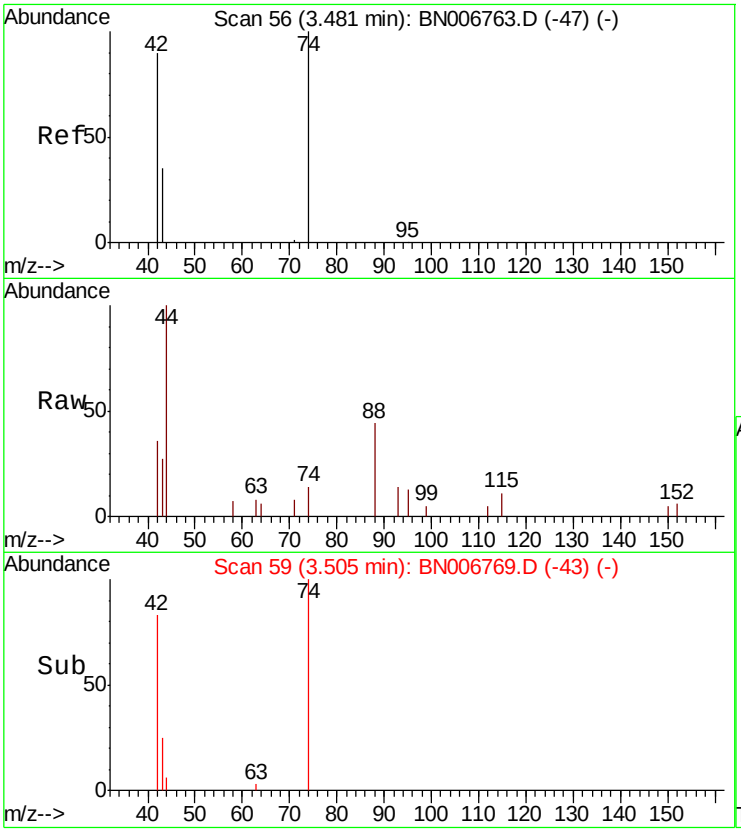


#2
1,4-Dioxane
Concen: 0.141 ng
RT: 3.12 min Scan# 11
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion: 88 Resp: 751

Ion	Ratio	Lower	Upper
88	100		
58	78.6	61.8	92.6
43	40.6	27.9	41.9



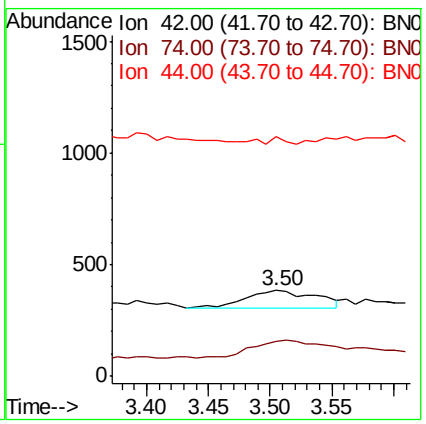


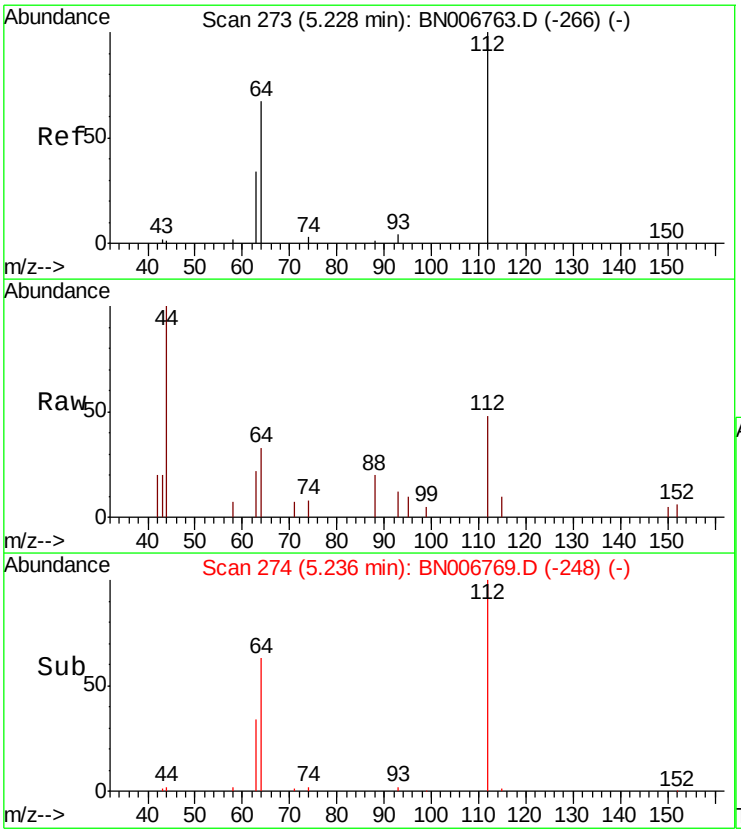
#3
n-Nitrosodimethylamine
Concen: 0.264 ng
RT: 3.50 min Scan# 59
Delta R.T. 0.02 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion: 42 Resp: 294

Ion	Ratio	Lower	Upper
42	100		
74	106.5	86.2	129.4
44	7.1	7.0	10.6

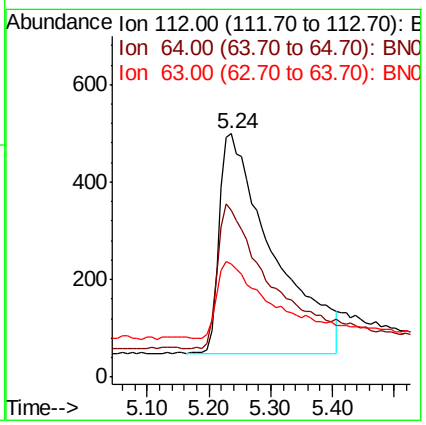


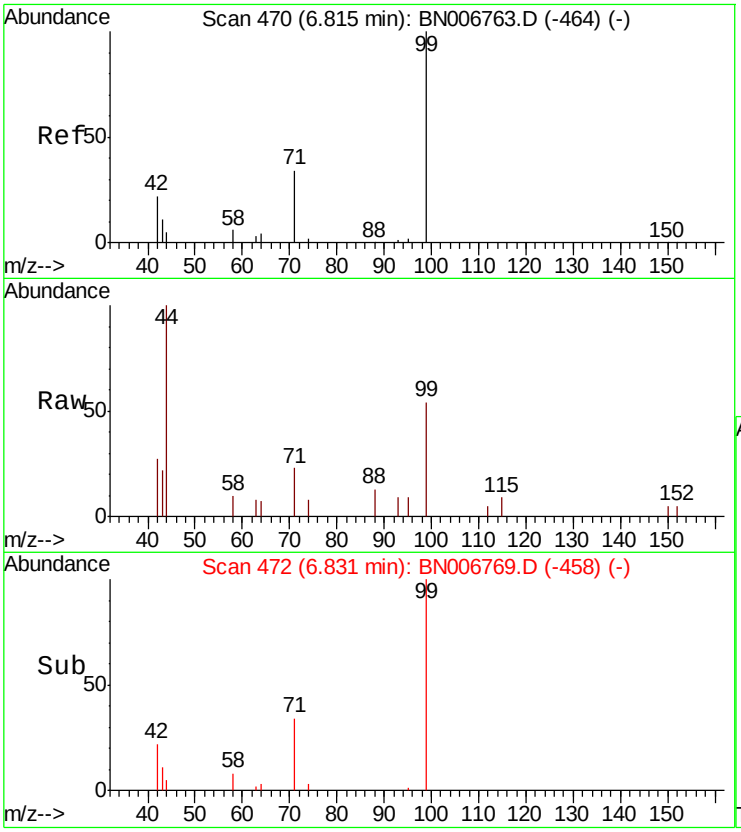


#4
2-Fluorophenol
Concen: 0.379 ng
RT: 5.24 min Scan# 274
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion:112 Resp: 2720

Ion	Ratio	Lower	Upper
112	100		
64	64.1	52.7	79.1
63	35.5	27.7	41.5



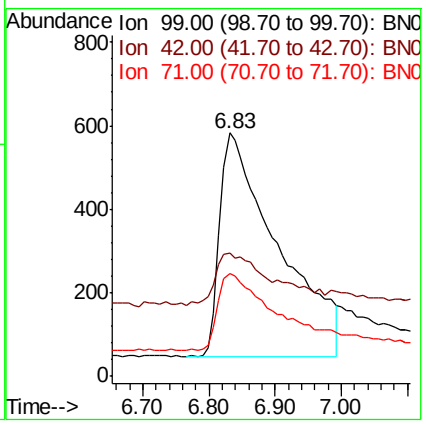


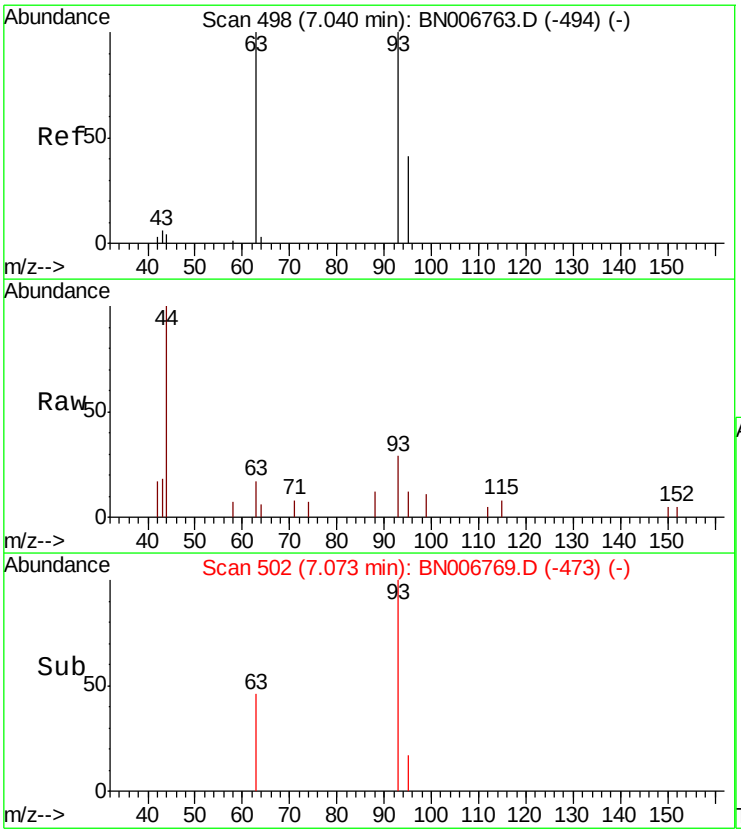
#5
Phenol-d6
Concen: 0.329 ng
RT: 6.83 min Scan# 472
Delta R.T. 0.02 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion: 99 Resp: 3253

Ion	Ratio	Lower	Upper
99	100		
42	23.1	17.0	25.6
71	35.2	29.1	43.7

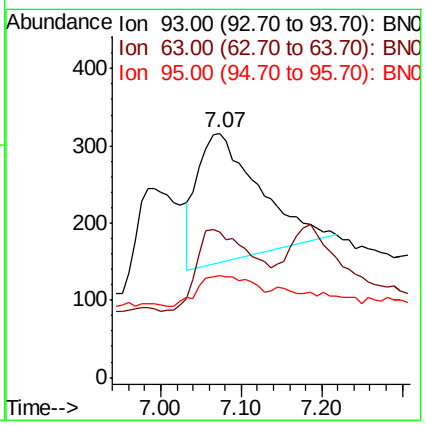


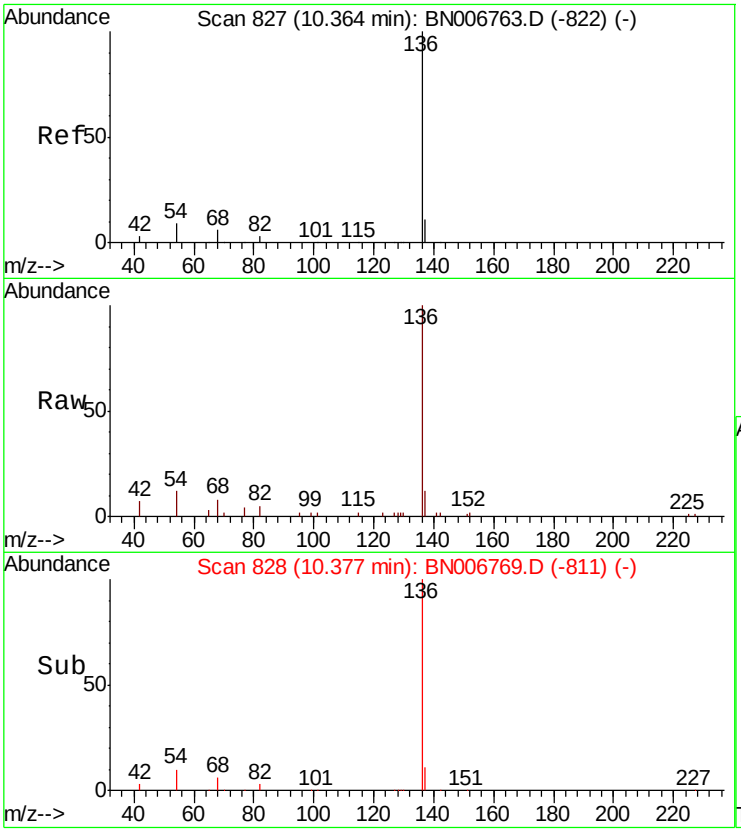


#6
bis(2-Chloroethyl)ether
Concen: 0.081 ng
RT: 7.07 min Scan# 502
Delta R.T. 0.03 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion: 93 Resp: 887

Ion	Ratio	Lower	Upper
93	100		
63	58.1	48.6	73.0
95	20.5	22.9	34.3#



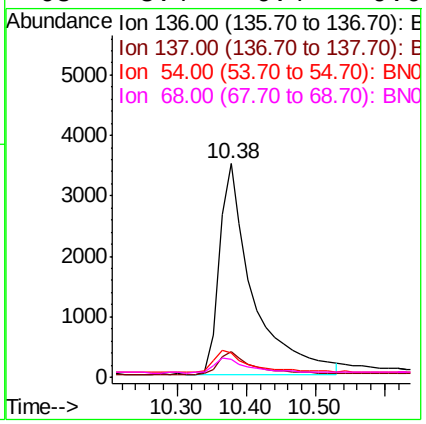


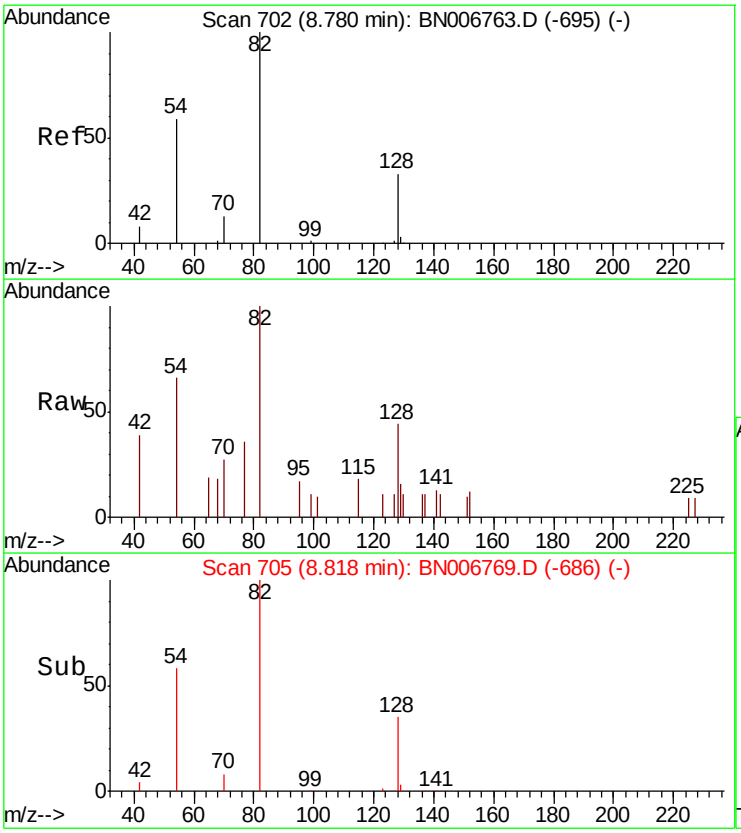
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.38 min Scan# 828
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:136 Resp: 11679

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	11.6	8.4	12.6
68	8.4	6.4	9.6

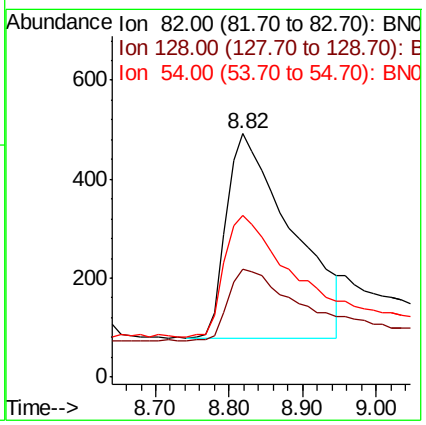


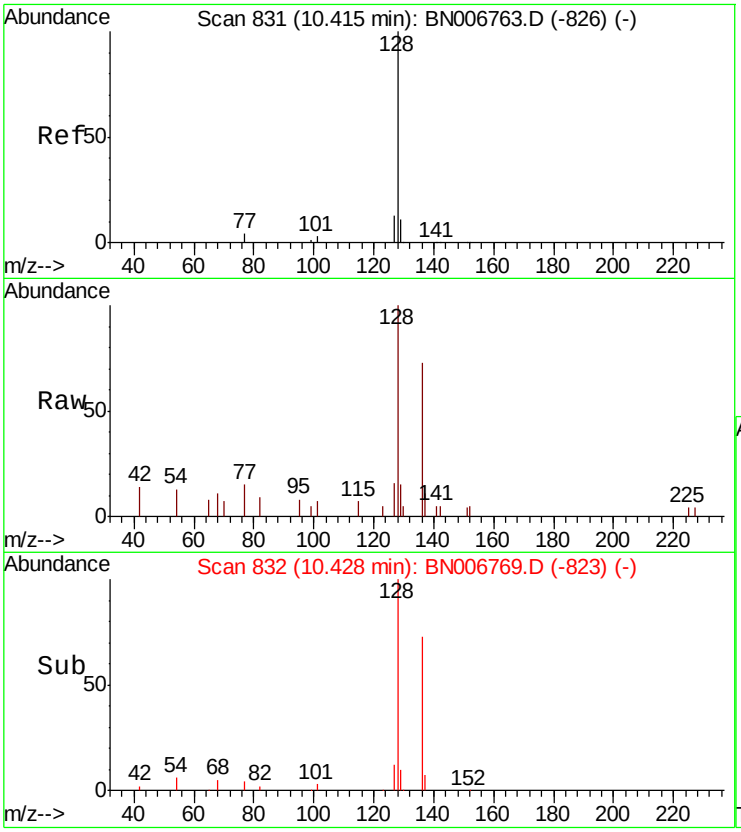


#8
Nitrobenzene-d5
Concen: 0.321 ng
RT: 8.82 min Scan# 705
Delta R.T. 0.04 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion: 82 Resp: 2555

Ion	Ratio	Lower	Upper
82	100		
128	44.3	33.0	49.6
54	66.3	52.2	78.2



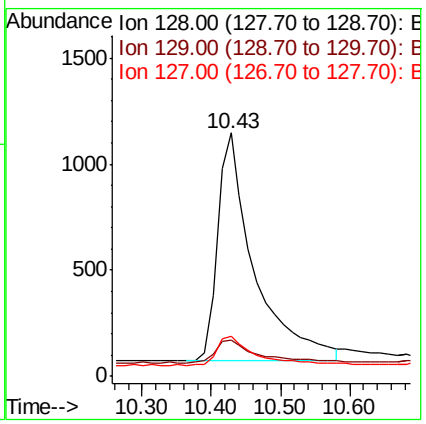


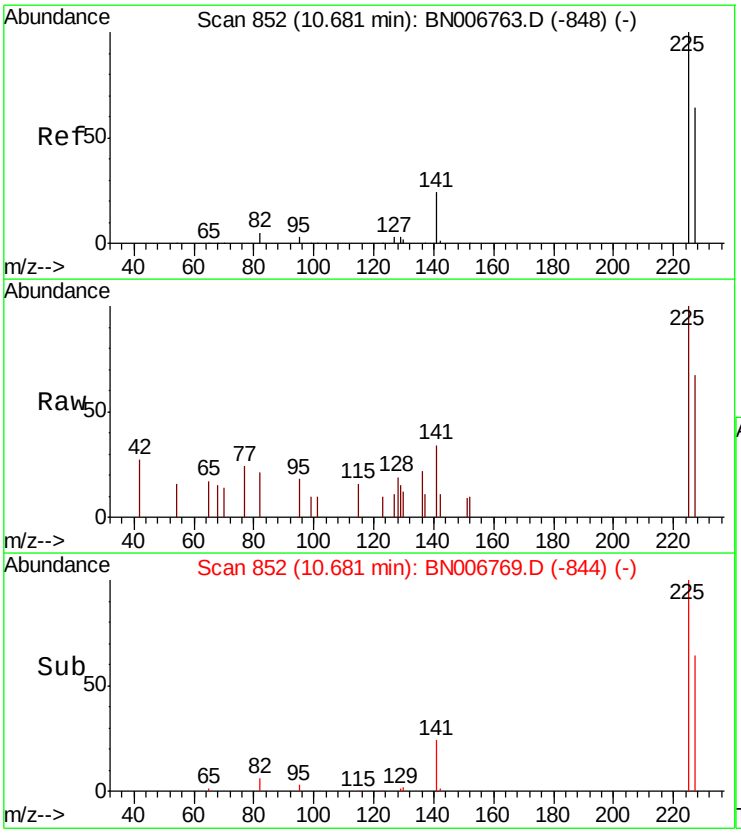
#9
Naphthalene
Concen: 0.127 ng
RT: 10.43 min Scan# 832
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:128 Resp: 3959

Ion	Ratio	Lower	Upper
128	100		
129	15.0	9.6	14.4#
127	16.4	11.0	16.4

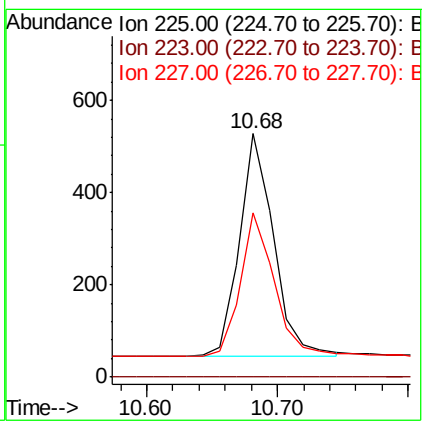


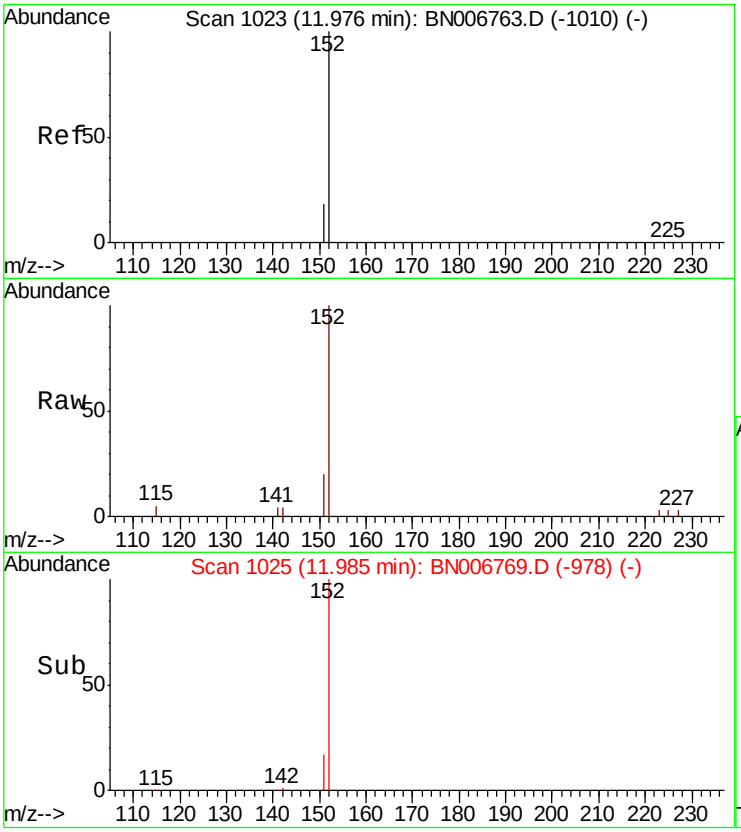


#10
Hexachlorobutadiene
Concen: 0.128 ng
RT: 10.68 min Scan# 852
Delta R.T. 0.00 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion:225 Resp: 865

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.5	50.8	76.2



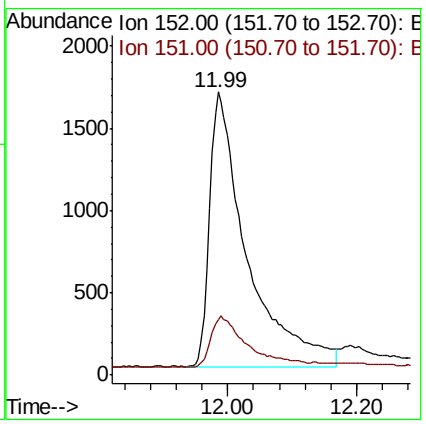


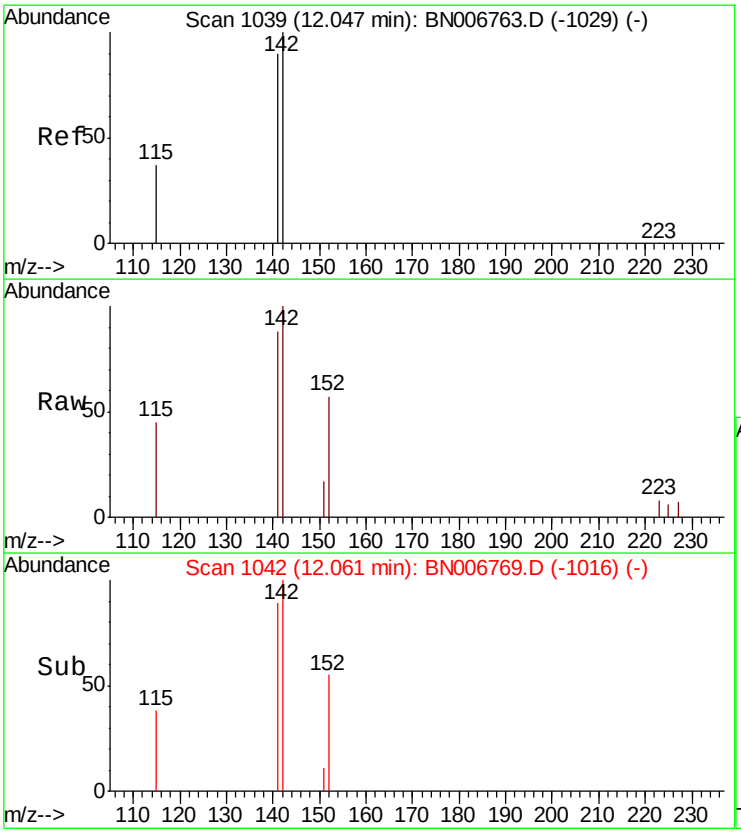
#11
2-Methylnaphthalene-d10
Concen: 0.382 ng
RT: 11.99 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:152 Resp: 6674

Ion	Ratio	Lower	Upper
152	100		
151	18.4	15.1	22.7

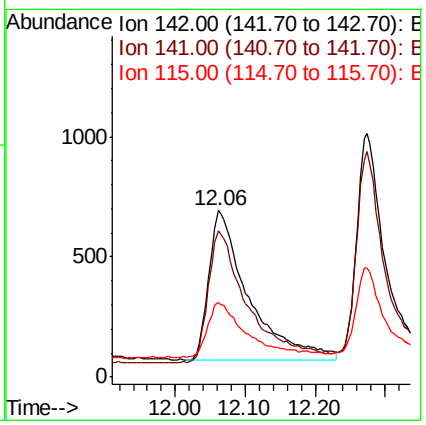


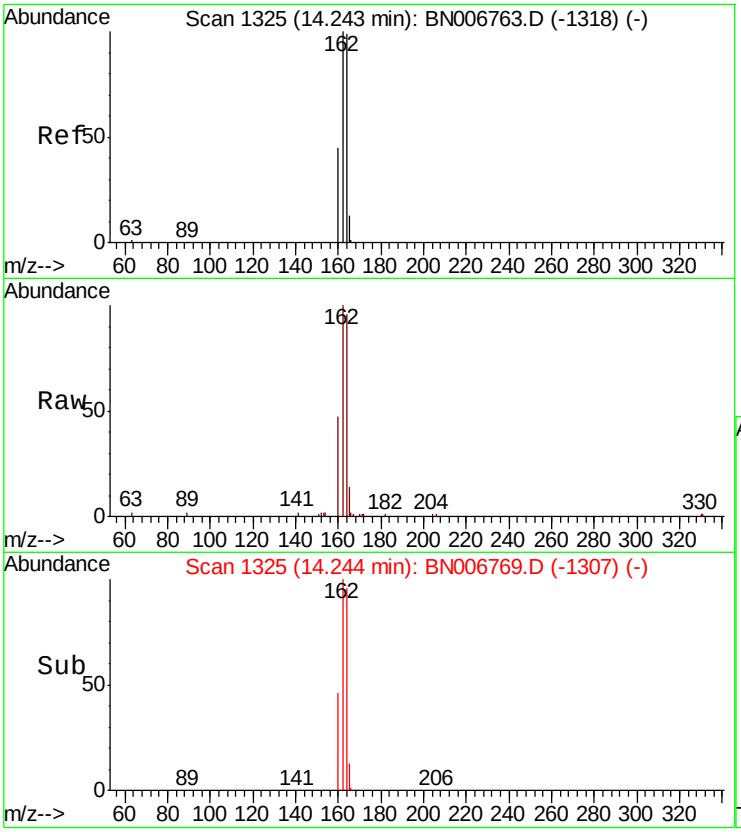


#12
2-Methylnaphthalene
Concen: 0.124 ng
RT: 12.06 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion:142 Resp: 2485

Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.7	107.5
115	44.8	31.2	46.8



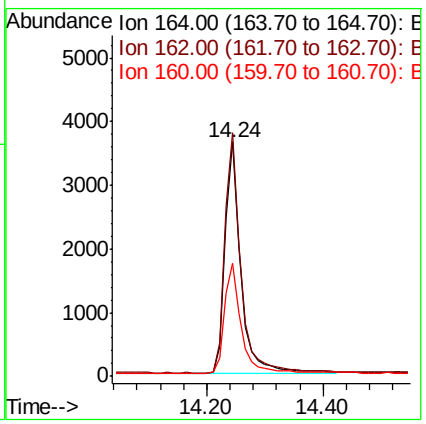


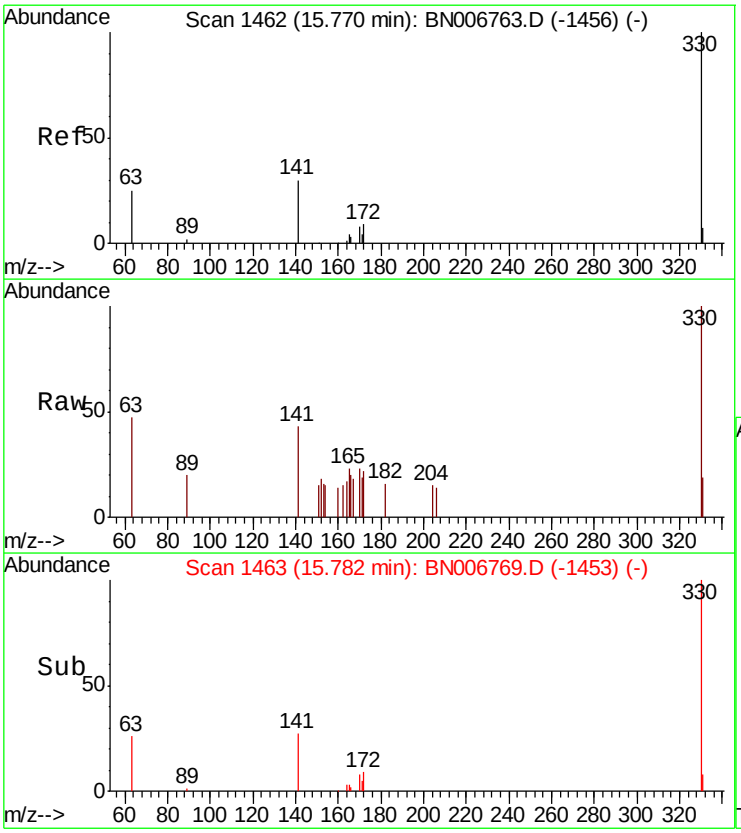
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1325
Delta R.T. 0.00 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:164 Resp: 6976

Ion	Ratio	Lower	Upper
164	100		
162	103.9	81.0	121.4
160	48.4	37.4	56.0

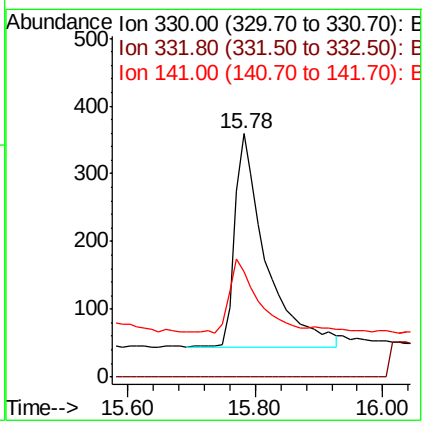


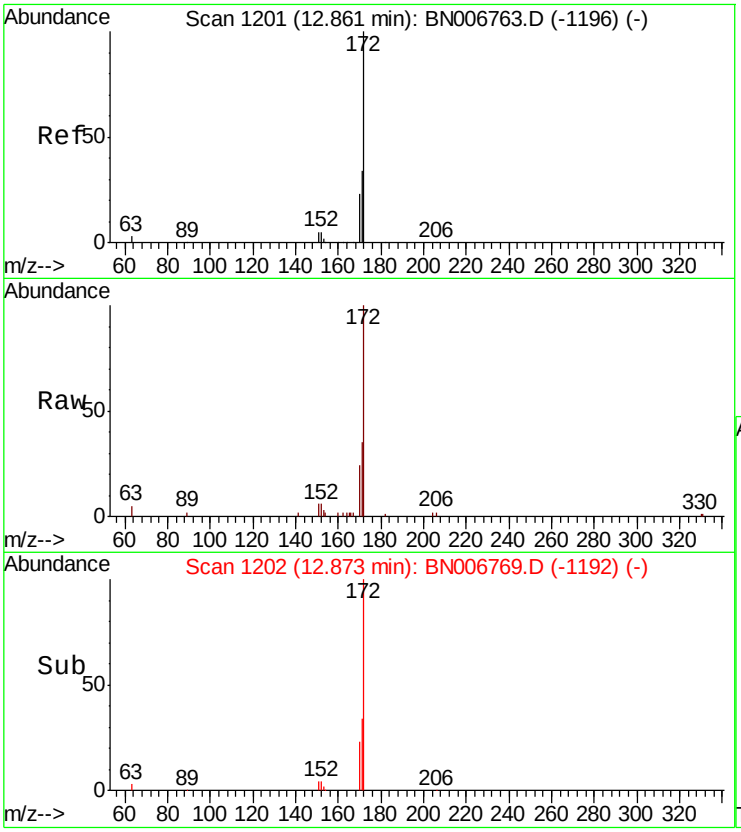


#14
2,4,6-Tribromophenol
Concen: 0.330 ng
RT: 15.78 min Scan# 1463
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion:330 Resp: 1073

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.2	26.6	39.8



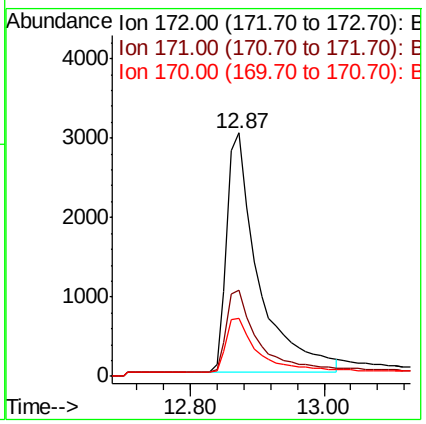


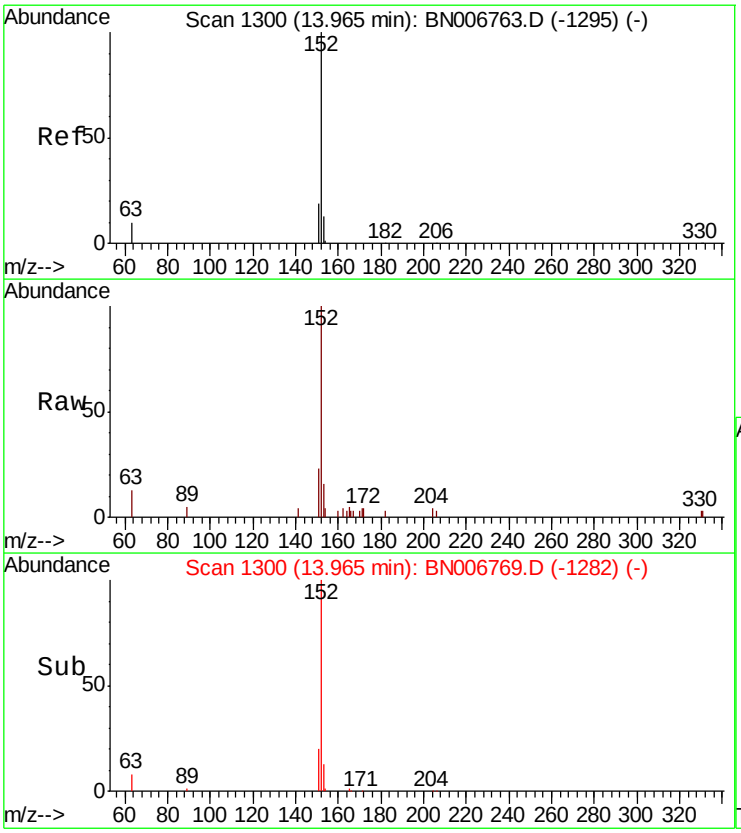
#15
2-Fluorobiphenyl
Concen: 0.383 ng
RT: 12.87 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:172 Resp: 9954

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.8	41.6
170	23.9	19.0	28.6

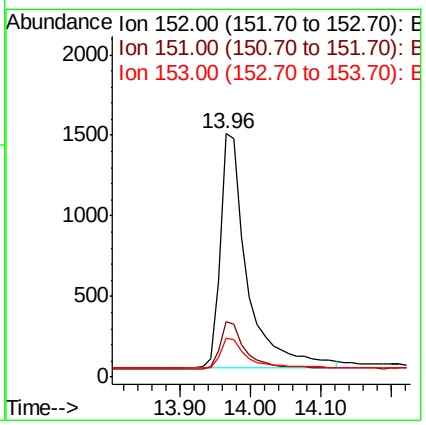


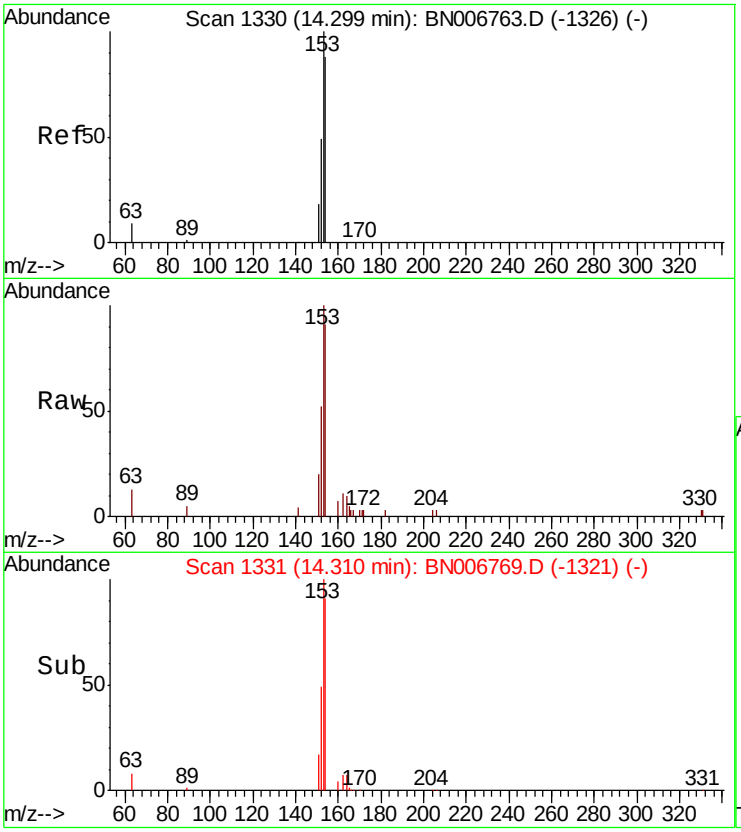


#16
Acenaphthylene
Concen: 0.119 ng
RT: 13.96 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion:152 Resp: 3918

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	12.9	10.5	15.7



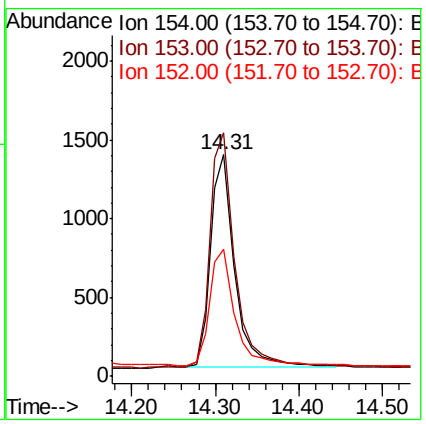


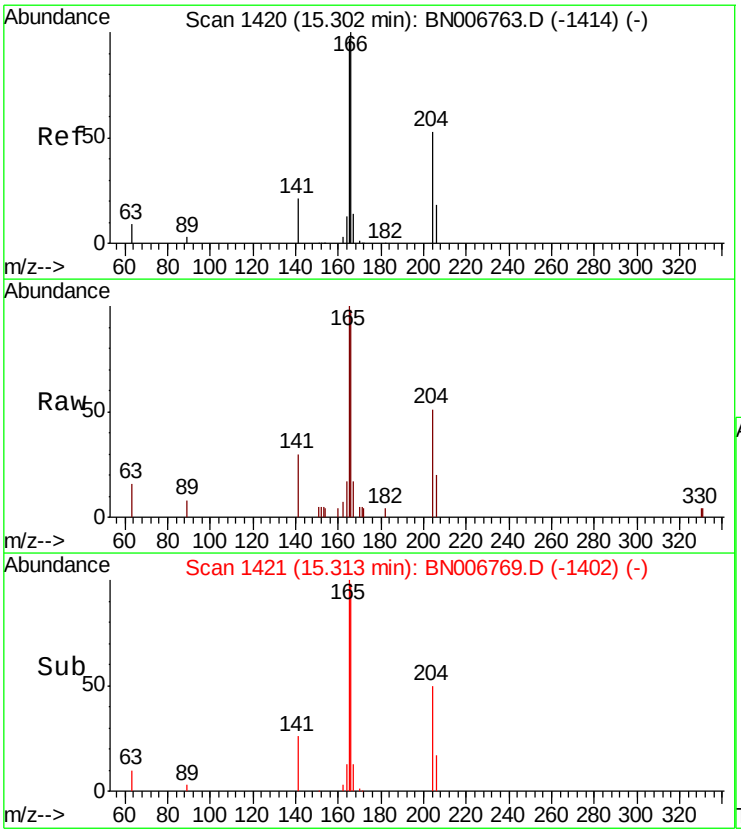
#17
Acenaphthene
Concen: 0.123 ng
RT: 14.31 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:154 Resp: 2723

Ion	Ratio	Lower	Upper
154	100		
153	114.8	90.8	136.2
152	56.3	44.9	67.3

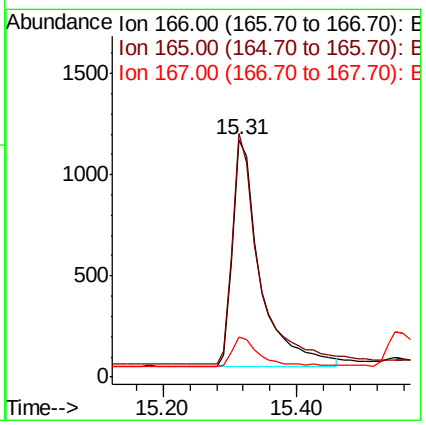


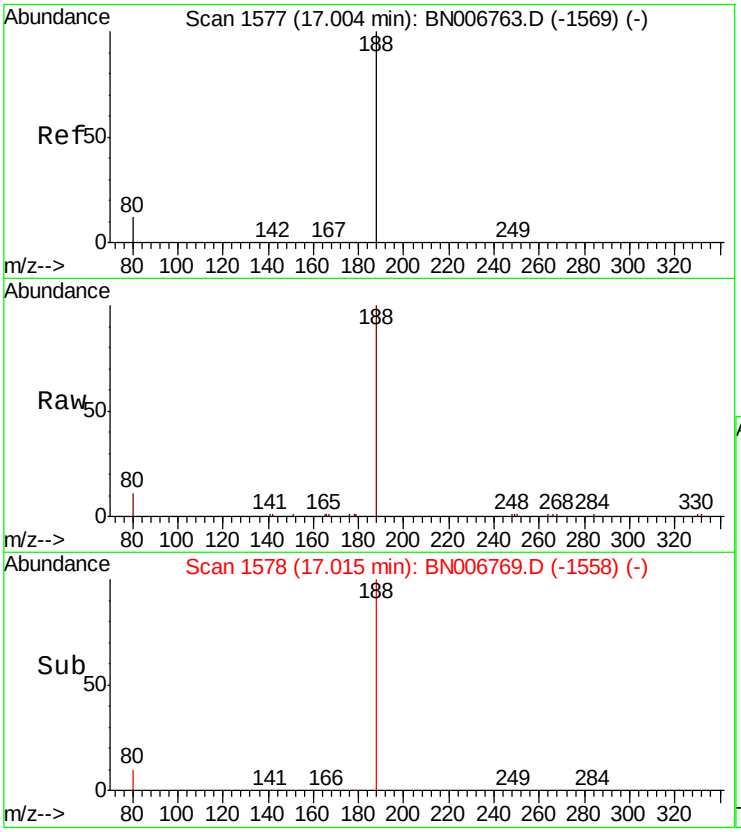


#18
Fluorene
Concen: 0.116 ng
RT: 15.31 min Scan# 1421
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion:166 Resp: 3171

Ion	Ratio	Lower	Upper
166	100		
165	99.0	78.2	117.4
167	13.3	10.9	16.3



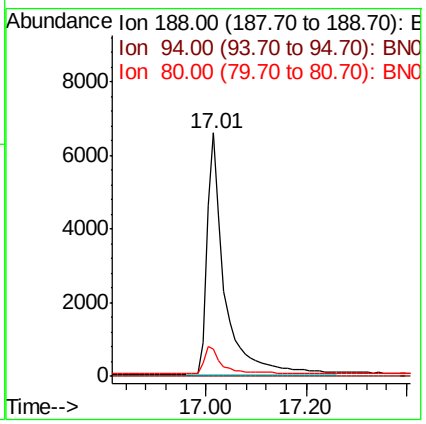


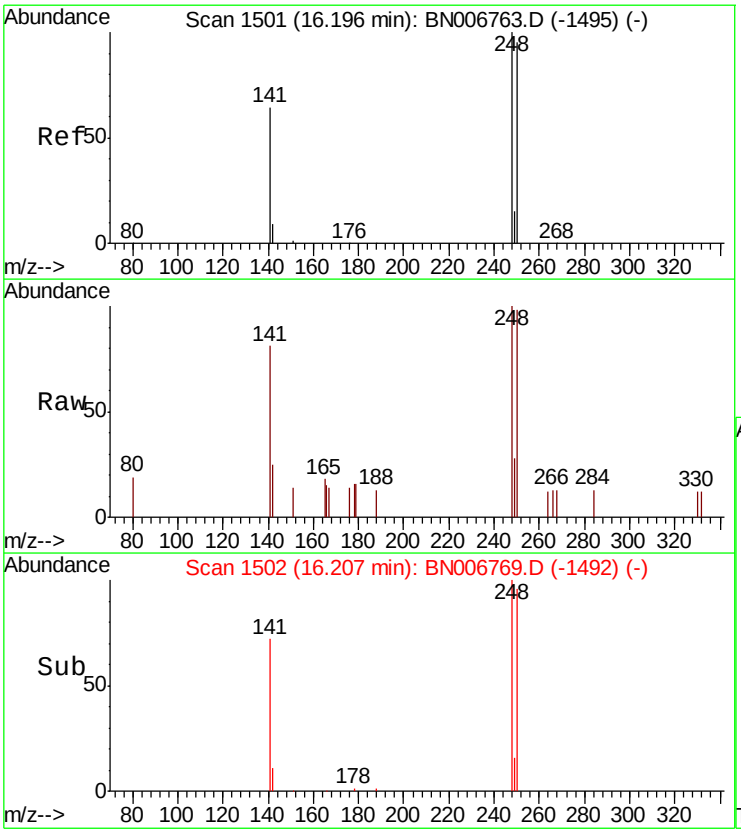
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.01 min Scan# 1578
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:188 Resp: 16190

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	10.1	15.1

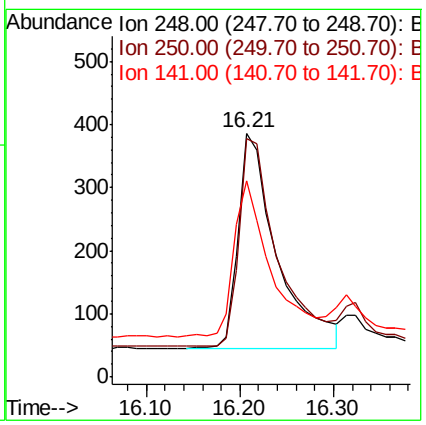


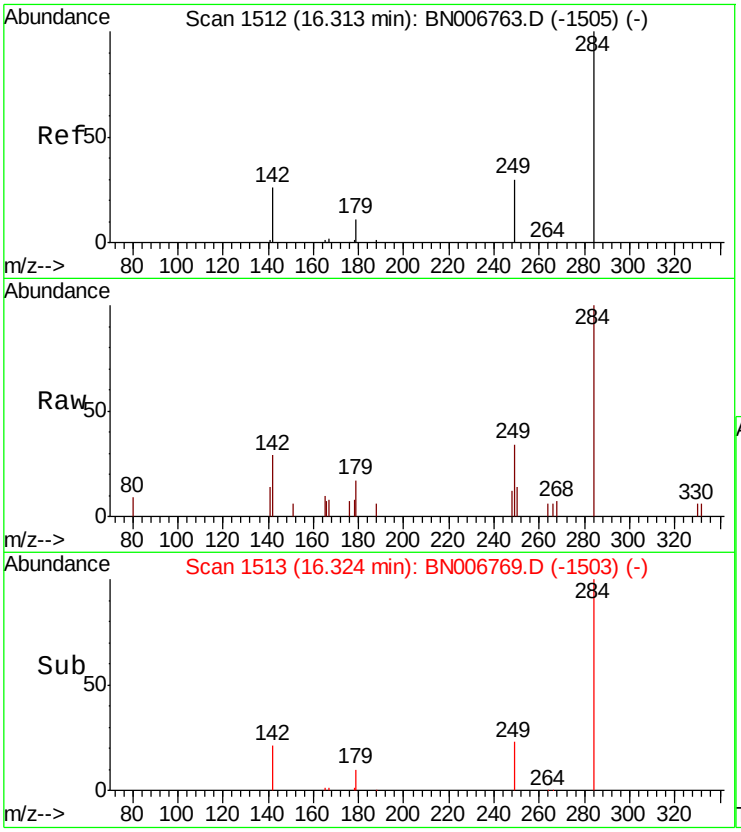


#20
4-Bromophenyl-phenylether
Concen: 0.108 ng
RT: 16.21 min Scan# 1502
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion:248 Resp: 989

Ion	Ratio	Lower	Upper
248	100		
250	97.7	76.5	114.7
141	80.6	53.2	79.8#



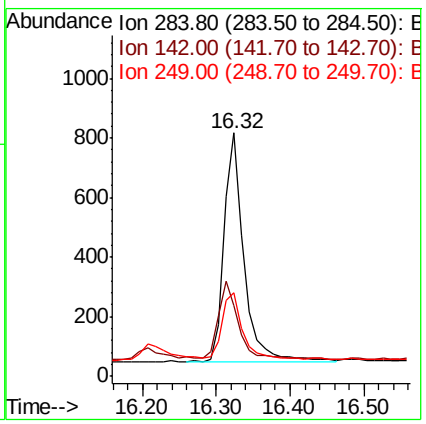


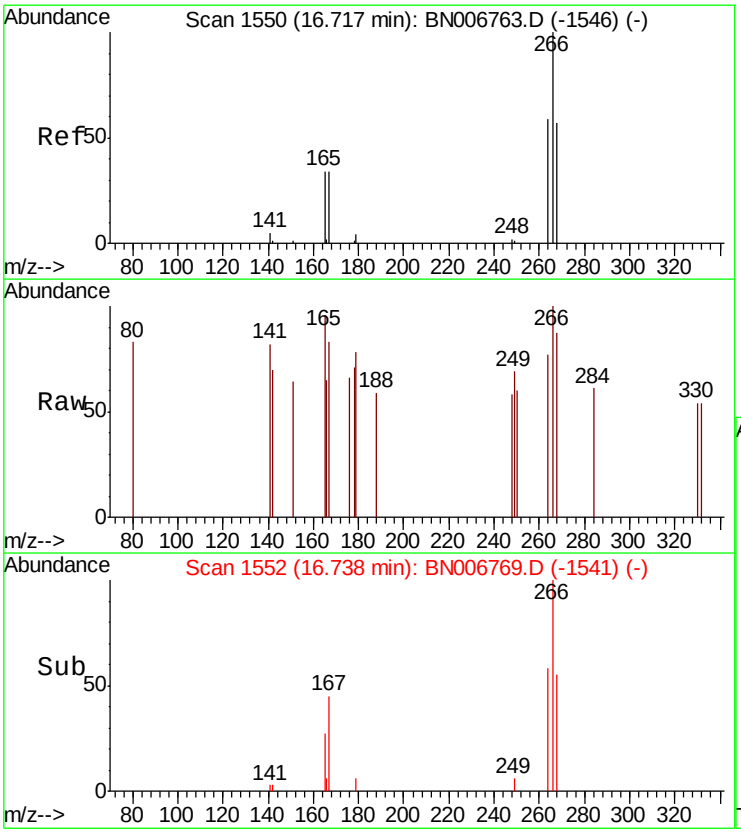
#21
Hexachlorobenzene
Concen: 0.120 ng
RT: 16.32 min Scan# 1513
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:284 Resp: 1436

Ion	Ratio	Lower	Upper
284	100		
142	35.0	27.0	40.4
249	31.3	24.3	36.5

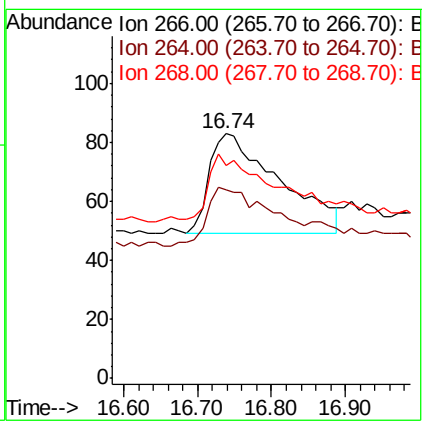


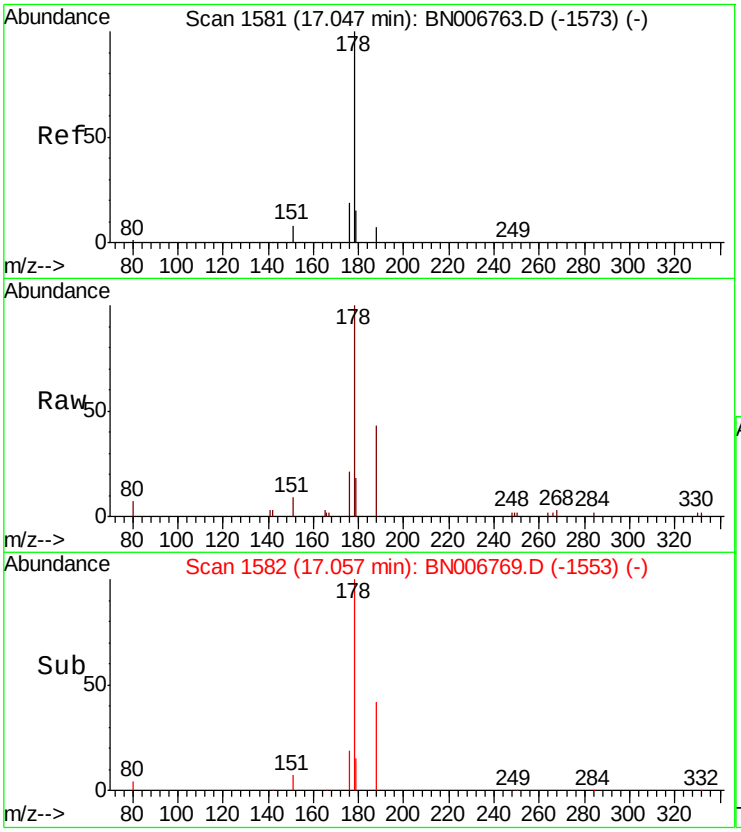


#22
Pentachlorophenol
Concen: 0.307 ng
RT: 16.74 min Scan# 1552
Delta R.T. 0.02 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion:266 Resp: 227

Ion	Ratio	Lower	Upper
266	100		
264	77.1	56.2	84.4
268	86.7	60.2	90.2



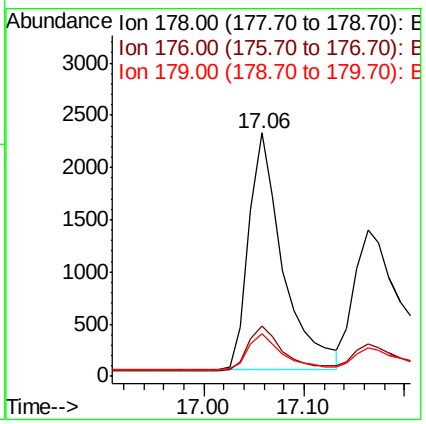


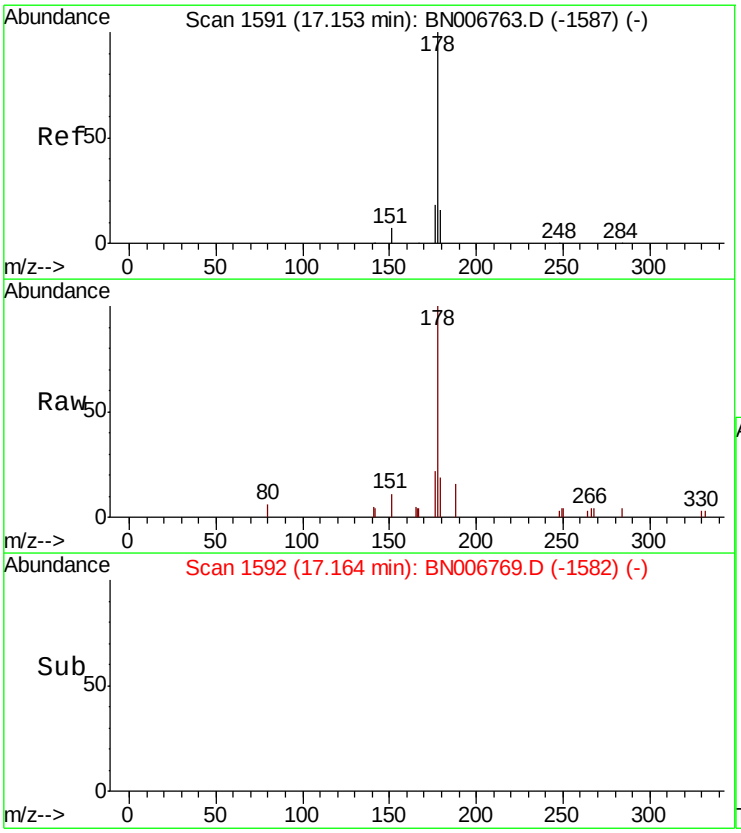
#23
Phenanthrene
Concen: 0.120 ng
RT: 17.06 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:178 Resp: 5407

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.7	12.2	18.2

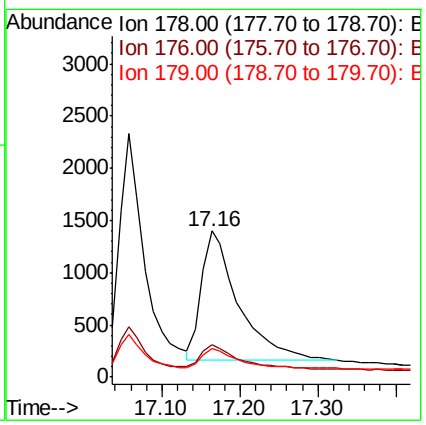


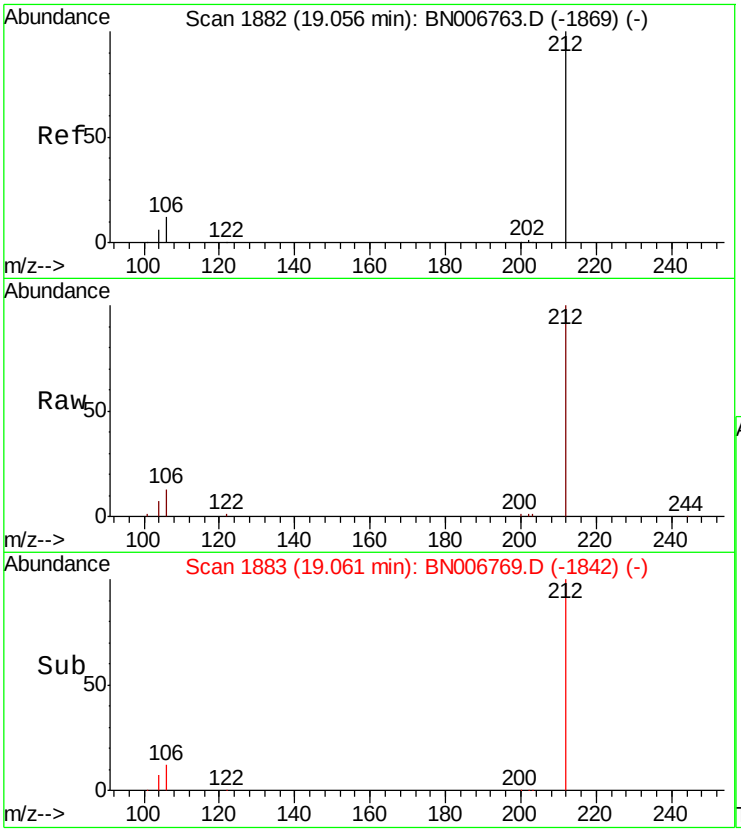


#24
Anthracene
Concen: 0.103 ng
RT: 17.16 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion:178 Resp: 4016

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	22.0
179	15.1	12.1	18.1



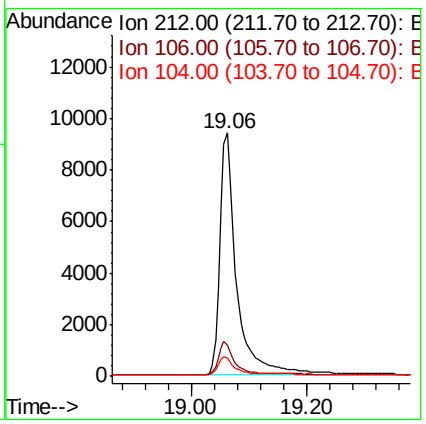


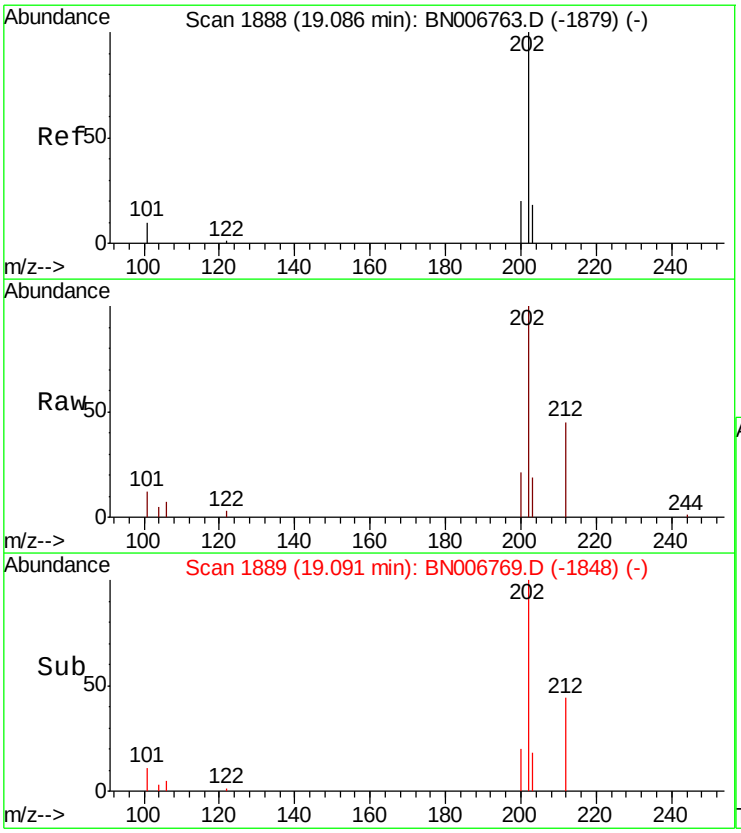
#25
Fluoranthene-d10
Concen: 0.389 ng
RT: 19.06 min Scan# 1883
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:212 Resp: 19007

Ion	Ratio	Lower	Upper
212	100		
106	12.8	10.5	15.7
104	7.2	5.9	8.9

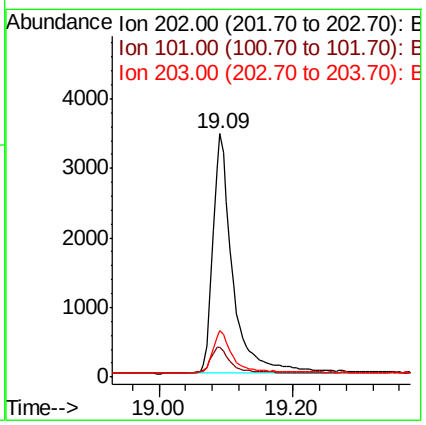


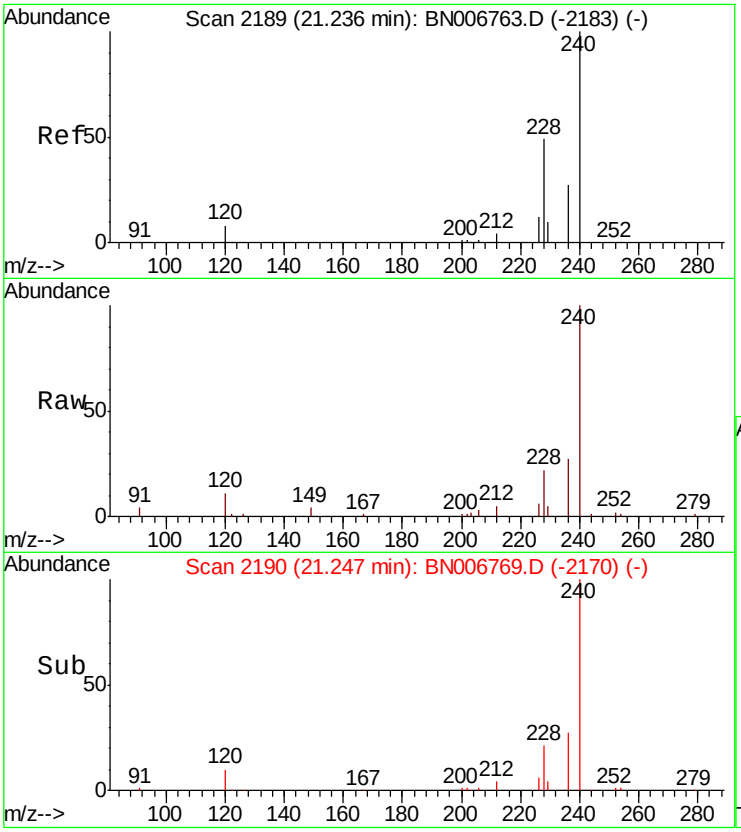


#26
Fluoranthene
Concen: 0.127 ng
RT: 19.09 min Scan# 1889
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion:202 Resp: 7132

Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.8	13.2
203	17.3	13.6	20.4



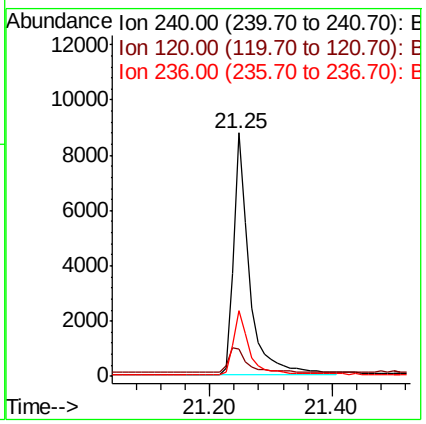


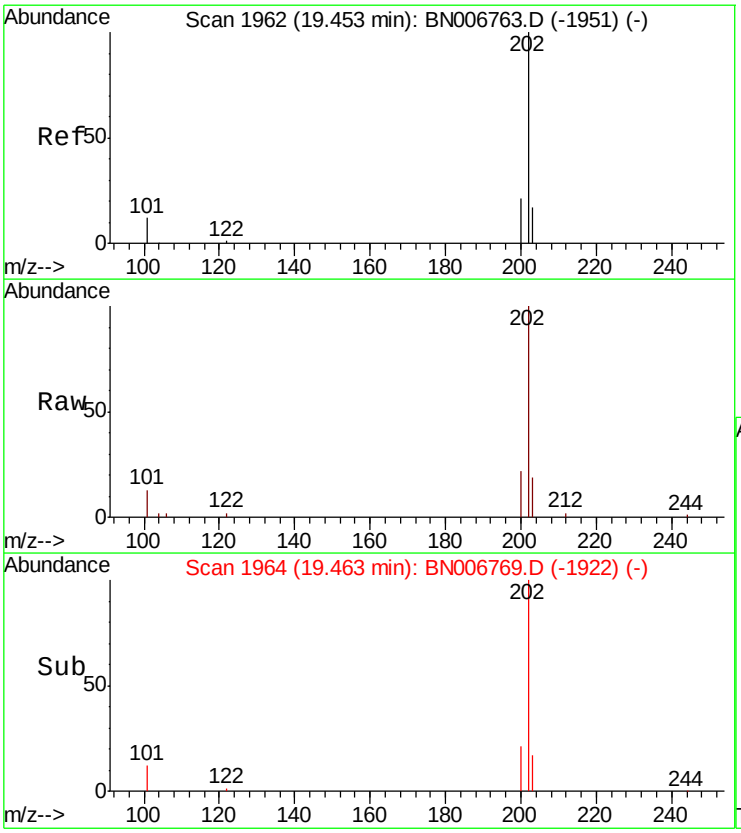
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:240 Resp: 16032

Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.1	12.1
236	27.2	21.8	32.6

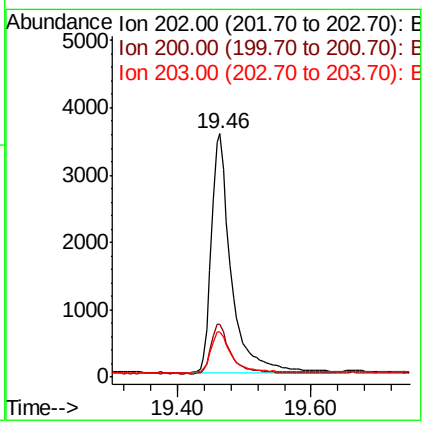


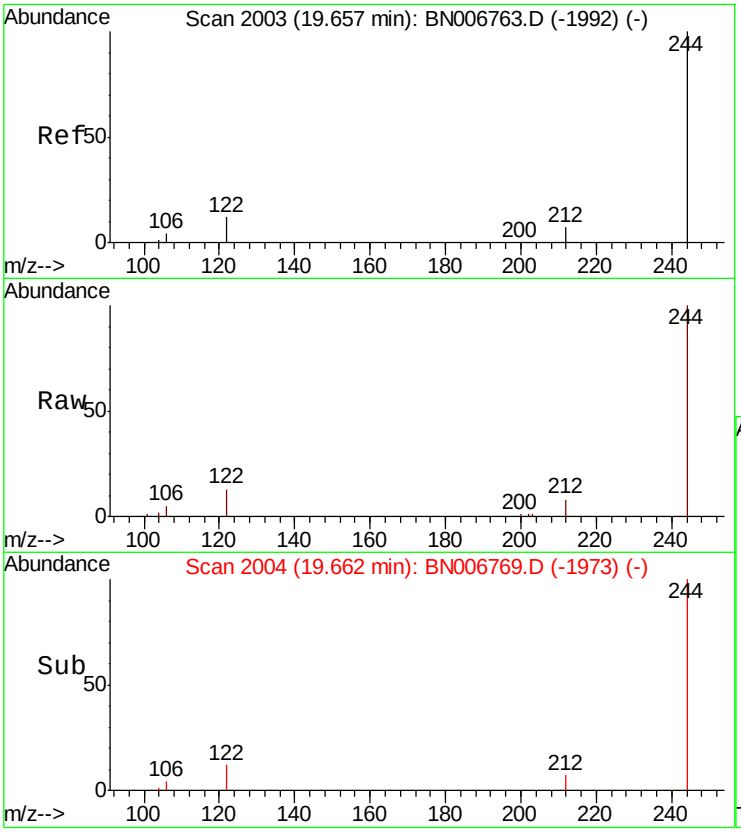


#28
Pyrene
Concen: 0.131 ng
RT: 19.46 min Scan# 1964
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion:202 Resp: 7300

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	18.1	14.0	21.0



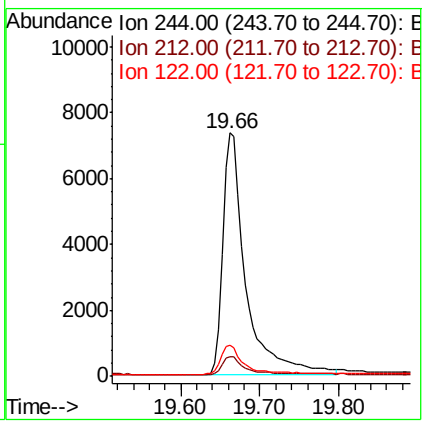


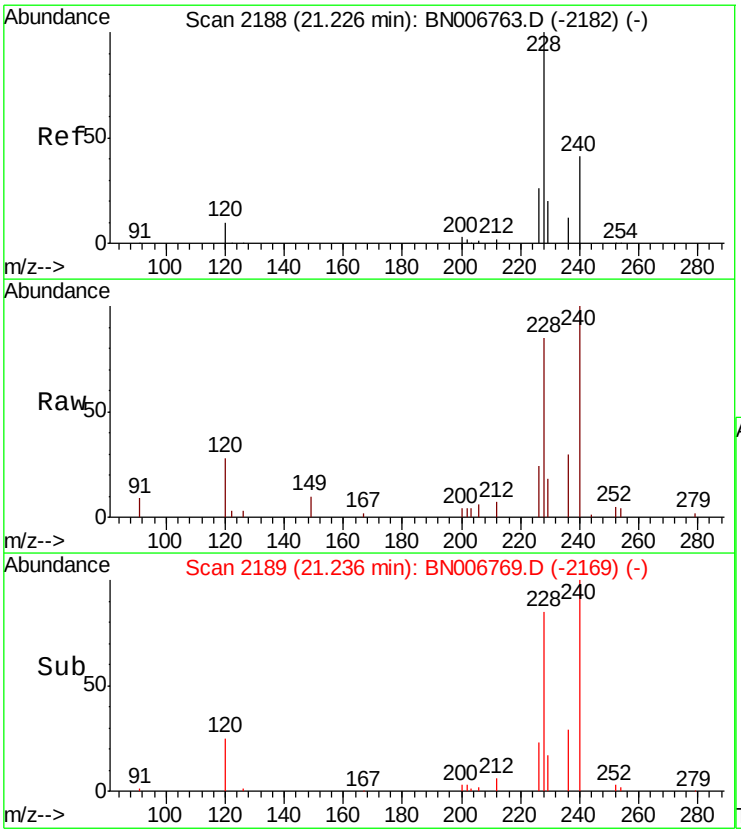
#29
Terphenyl-d14
Concen: 0.426 ng
RT: 19.66 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:244 Resp: 15043

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.3	9.5
122	13.0	10.3	15.5

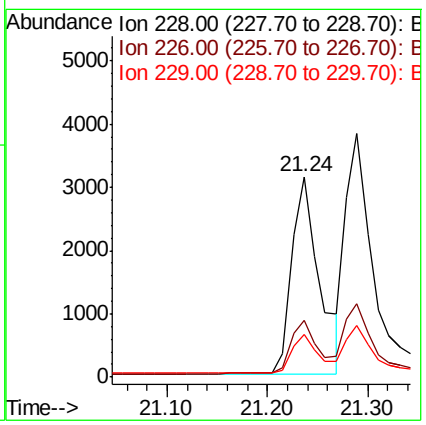


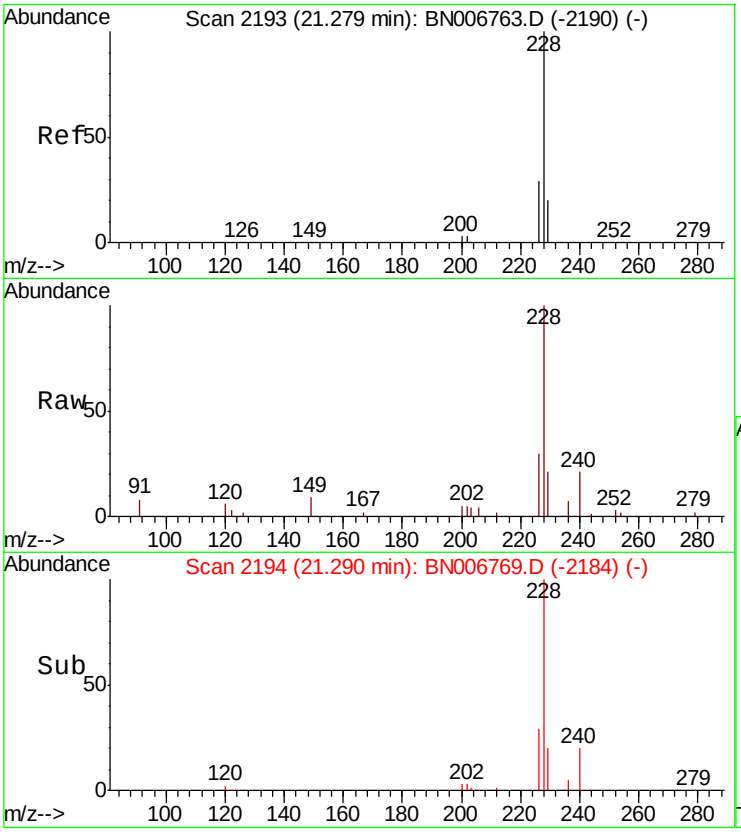


#30
Benzo(a)anthracene
Concen: 0.122 ng
RT: 21.24 min Scan# 2189
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion:228 Resp: 6019

Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.2	31.8
229	21.4	16.4	24.6



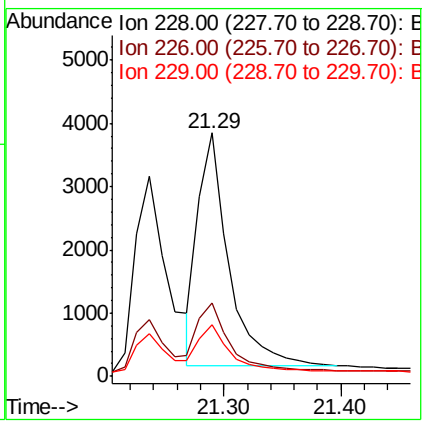


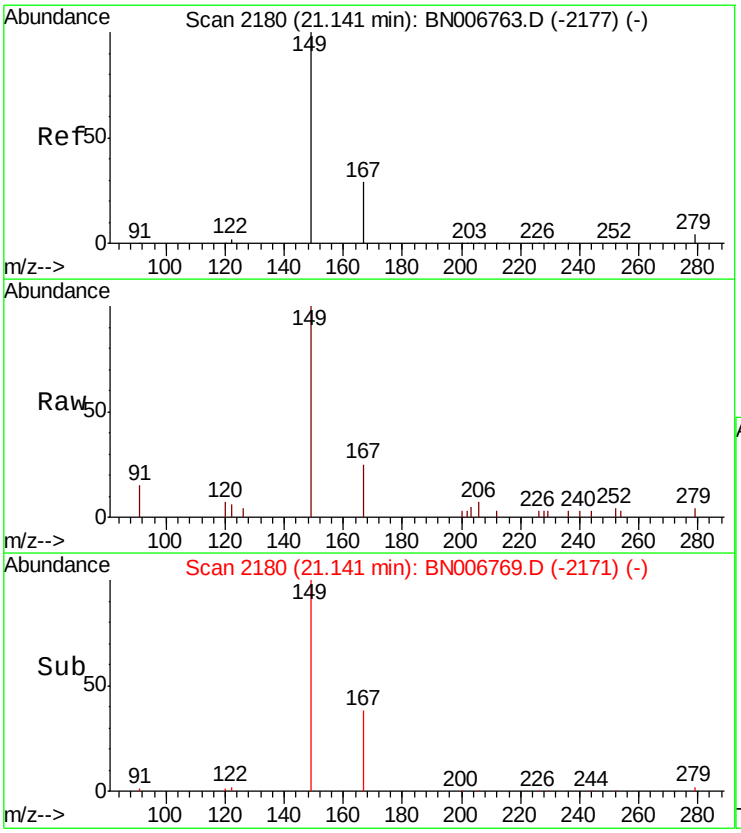
#31
Chrysene
Concen: 0.122 ng
RT: 21.29 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:228 Resp: 6763

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.5	35.3
229	21.0	16.0	24.0

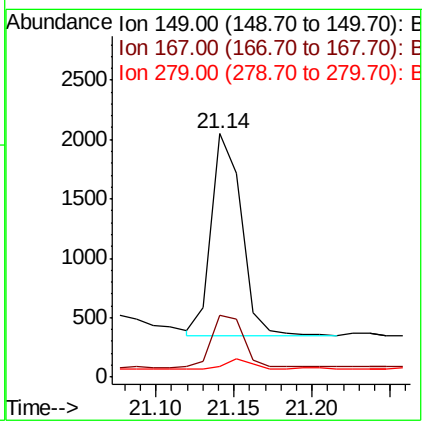


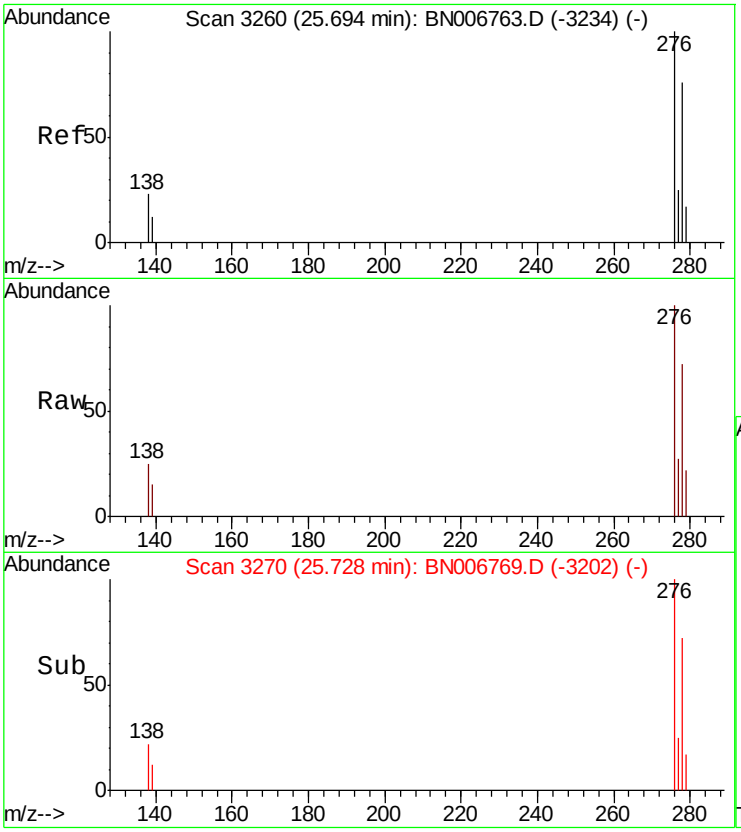


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.100 ng
RT: 21.14 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion:149 Resp: 2294

Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.9	34.3
279	4.4	3.7	5.5



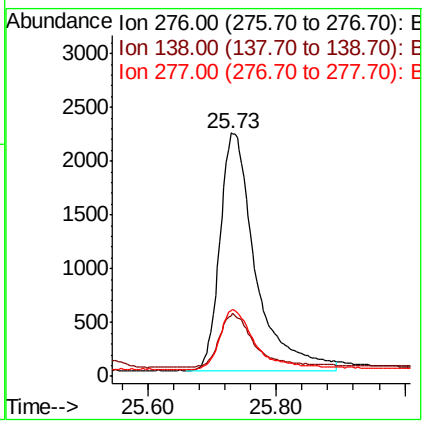


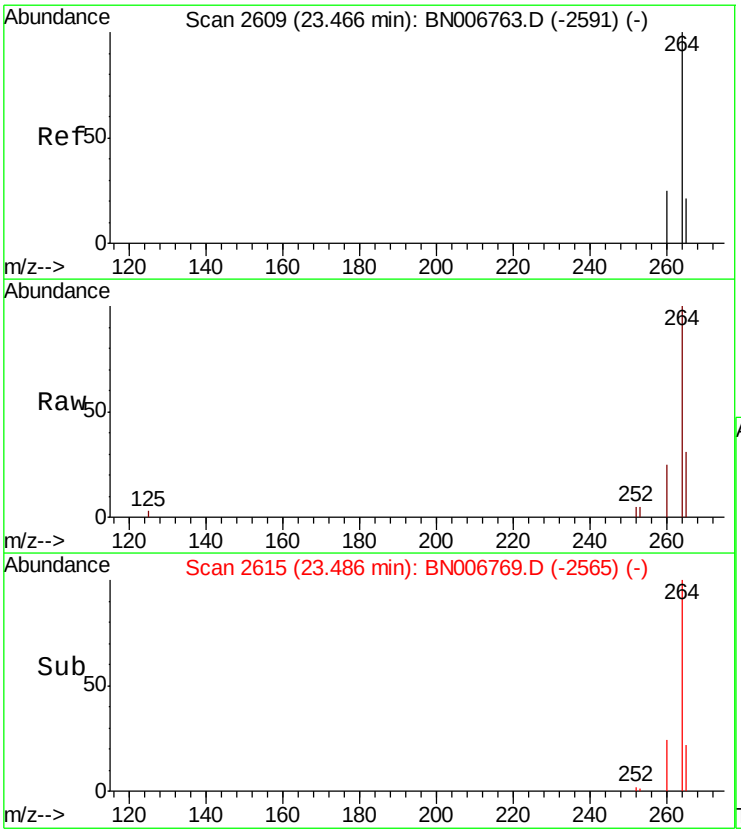
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.126 ng
RT: 25.73 min Scan# 3270
Delta R.T. 0.03 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:276 Resp: 8520

Ion	Ratio	Lower	Upper
276	100		
138	22.3	17.9	26.9
277	24.9	19.8	29.8

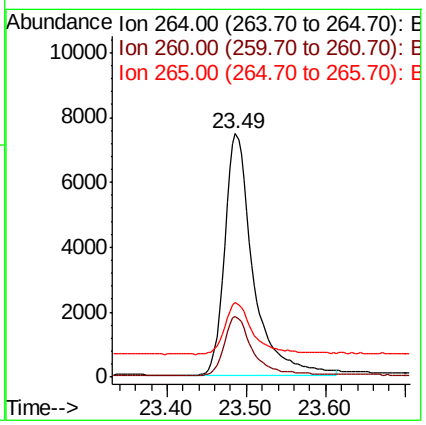


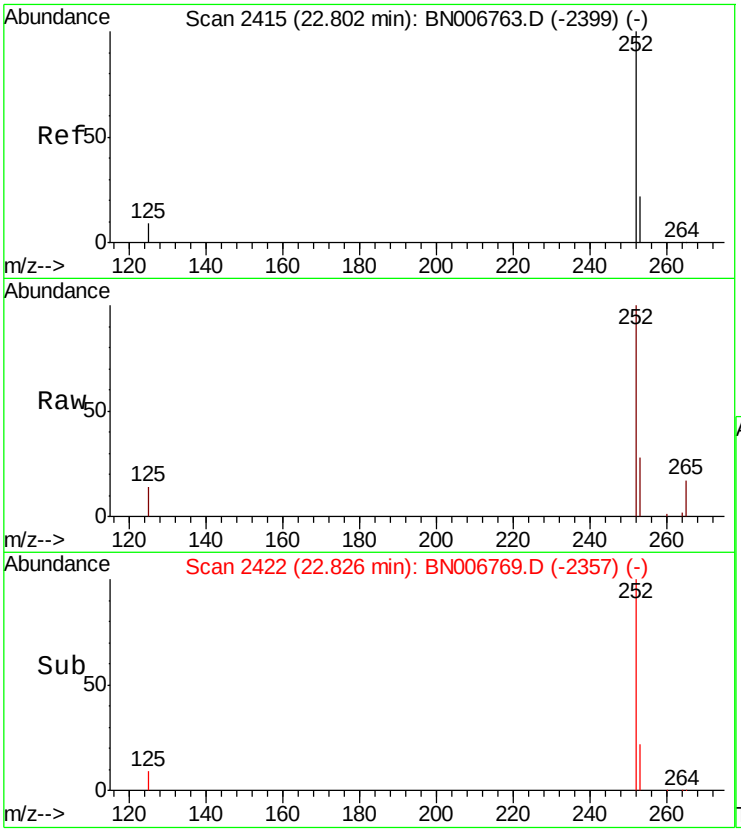


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.49 min Scan# 2615
Delta R.T. 0.02 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion:264 Resp: 18470

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.2	30.4
265	30.7	24.6	37.0



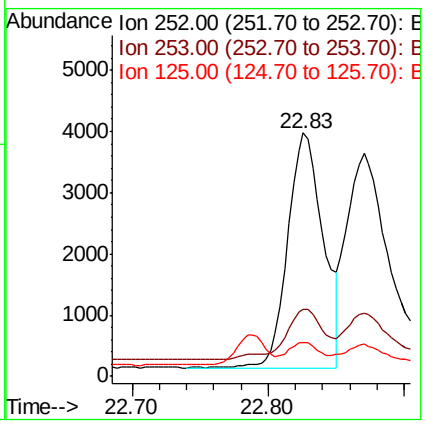


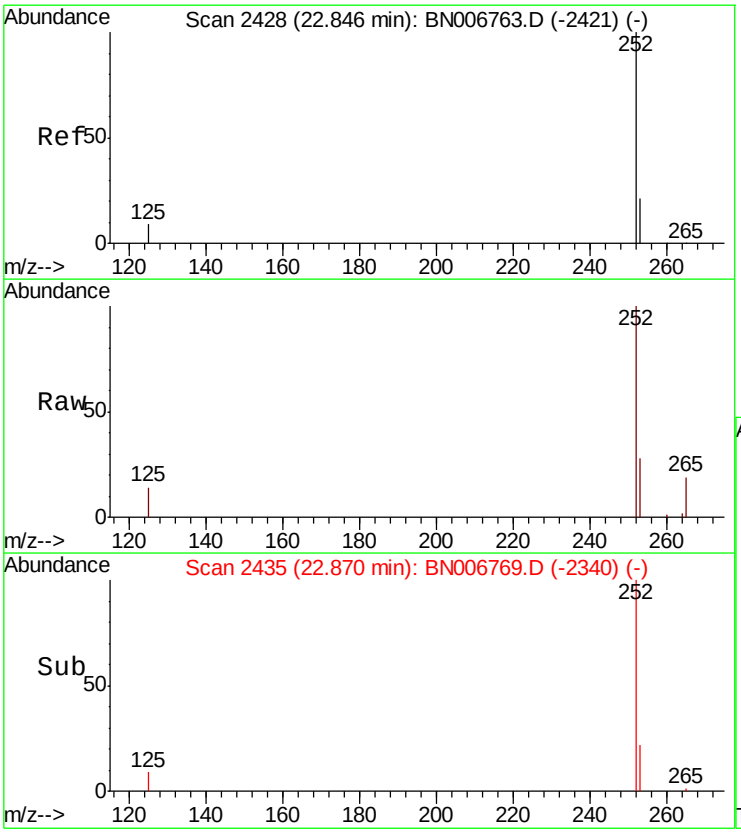
#35
Benzo(b)fluoranthene
Concen: 0.119 ng
RT: 22.83 min Scan# 2422
Delta R.T. 0.02 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:252 Resp: 6904

Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.9	28.3
125	13.8	8.5	12.7#

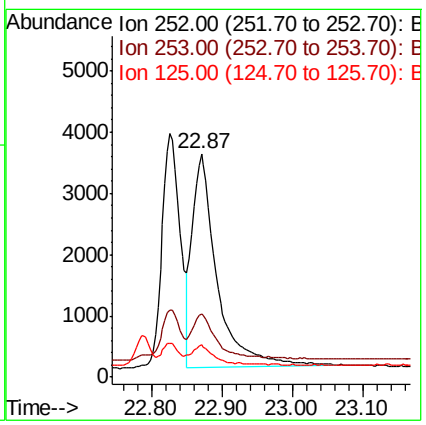


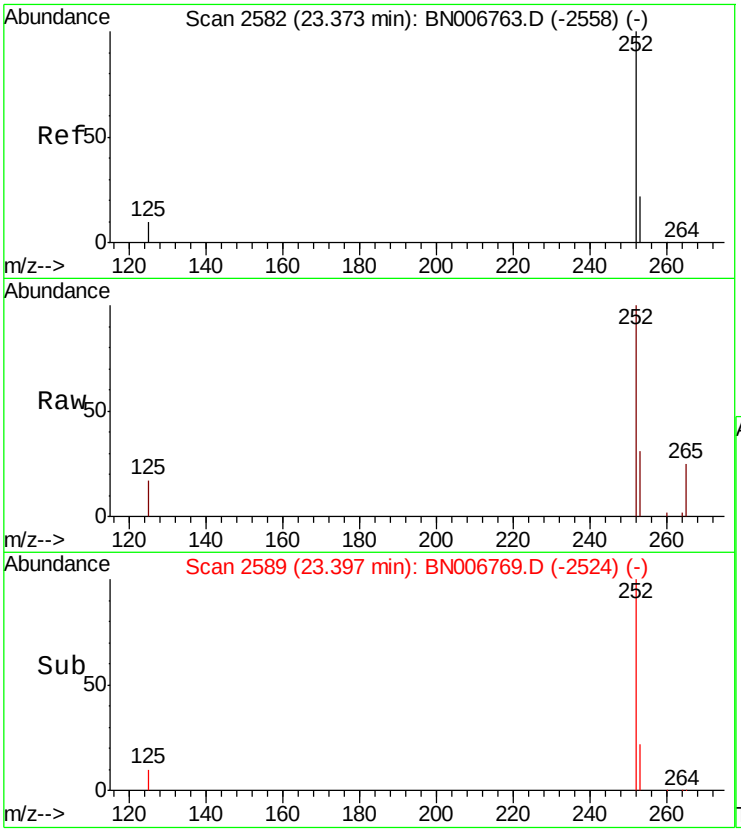


#36
Benzo(k)fluoranthene
Concen: 0.130 ng
RT: 22.87 min Scan# 2435
Delta R.T. 0.02 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion:252 Resp: 8485

Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.9	28.3#
125	14.3	8.4	12.6#



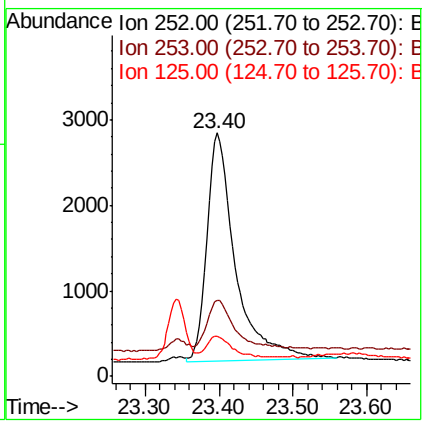


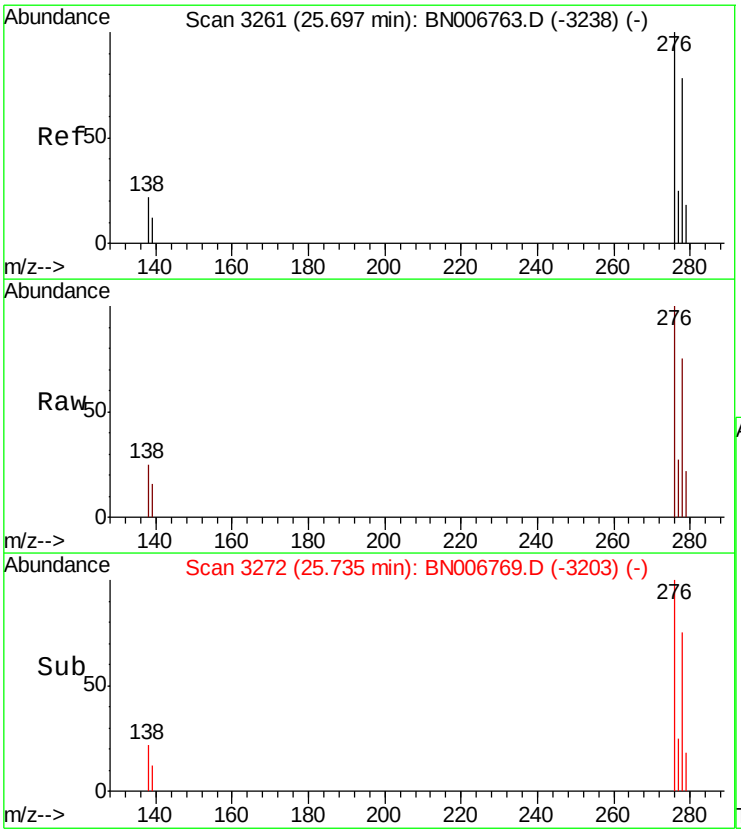
#37
Benzo(a)pyrene
Concen: 0.126 ng
RT: 23.40 min Scan# 2589
Delta R.T. 0.02 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:252 Resp: 7092

Ion	Ratio	Lower	Upper
252	100		
253	31.3	19.5	29.3#
125	16.6	9.5	14.3#

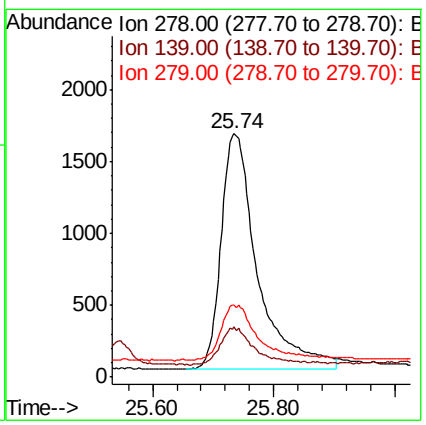


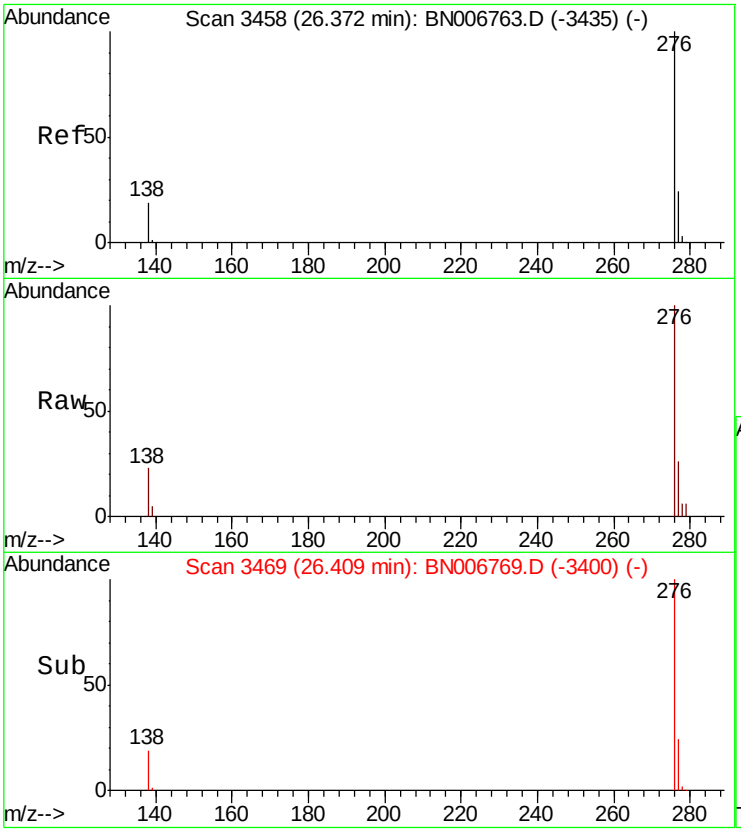


#38
Dibenzo(a,h)anthracene
Concen: 0.121 ng
RT: 25.74 min Scan# 3272
Delta R.T. 0.04 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Tgt Ion:278 Resp: 6855

Ion	Ratio	Lower	Upper
278	100		
139	20.9	13.1	19.7#
279	29.7	20.2	30.4





#39
Benzo(g,h,i)perylene
Concen: 0.130 ng
RT: 26.41 min Scan# 3469
Delta R.T. 0.04 min
Lab File: BN006769.D
Acq: 09 Jul 2019 16:32

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:276 Resp: 7719

Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.4	29.2
138	22.8	16.2	24.4