Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051420\
Data File : BN010717.D
Acq On : 14 May 2020 18:09
Operator : CG/JU
Sample : L2182-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : LOD-MDL-SOIL-01-QT2-2020

Quant Time: May 14 18:48:07 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 14 12:56:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	4322	0.40	ng		0.00
7) Naphthalene-d8	10.33	136	16410	0.40	ng		0.00
13) Acenaphthene-d10	14.20	164	10083	0.40	ng		0.01
19) Phenanthrene-d10	16.95	188	21146	0.40	ng		0.00
27) Chrysene-d12	21.15	240	18133	0.40	ng		0.00
34) Perylene-d12	23.32	264	16954	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	2176	0.26	ng		0.00
5) Phenol-d6	6.78	99	2526	0.24	ng		0.00
8) Nitrobenzene-d5	8.72	82	2999	0.26	ng		0.01
11) 2-Methylnaphthalene-d10	11.93	152	6586	0.25	ng		0.00
14) 2,4,6-Tribromophenol	15.71	330	855	0.23	ng		0.00
15) 2-Fluorobiphenyl	12.83	172	9249	0.25	ng		0.01
25) Fluoranthene-d10	18.99	212	14375	0.25	ng		0.00
29) Terphenyl-d14	19.60	244	11620	0.27	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	240	0.064	ng	#	80
3) n-Nitrosodimethylamine	3.60	42	125	0.058	ng	#	88
6) bis(2-Chloroethyl)ether	7.03	93	772	0.072	ng		93
9) Naphthalene	10.38	128	3139	0.076	ng	#	95
10) Hexachlorobutadiene	10.68	225	677	0.072	ng	#	99
12) 2-Methylnaphthalene	12.01	142	2128	0.073	ng		97
16) Acenaphthylene	13.92	152	2760	0.067	ng		98
17) Acenaphthene	14.27	154	1931	0.069	ng		98
18) Fluorene	15.26	166	2539	0.070	ng		99
20) 4-Bromophenyl-phenylether	16.16	248	745	0.064	ng		96
21) Hexachlorobenzene	16.27	284	996	0.072	ng		99
22) Pentachlorophenol	16.62	266	516	0.120	ng		94
23) Phenanthrene	17.00	178	4043	0.071	ng		98
24) Anthracene	17.09	178	3259	0.068	ng		98
26) Fluoranthene	19.02	202	4756	0.074	ng		98
28) Pyrene	19.38	202	4643	0.071	ng		98
30) Benzo(a)anthracene	21.14	228	3776	0.071	ng		97
31) Chrysene	21.20	228	4661	0.078	ng		97
32) Bis(2-ethylhexyl)phthalate	21.09	149	2243	0.097	ng		98
33) Indeno(1,2,3-cd)pyrene	25.47	276	4047	0.076	ng		99
35) Benzo(b)fluoranthene	22.68	252	3859	0.069	ng	#	74
36) Benzo(k)fluoranthene	22.72	252	4585	0.076	ng	#	72
37) Benzo(a)pyrene	23.23	252	3404	0.070	ng	#	57
38) Dibenzo(a,h)anthracene	25.49	278	3254	0.079	ng	#	78
39) Benzo(g,h,i)perylene	26.11	276	3865	0.080	ng	#	90

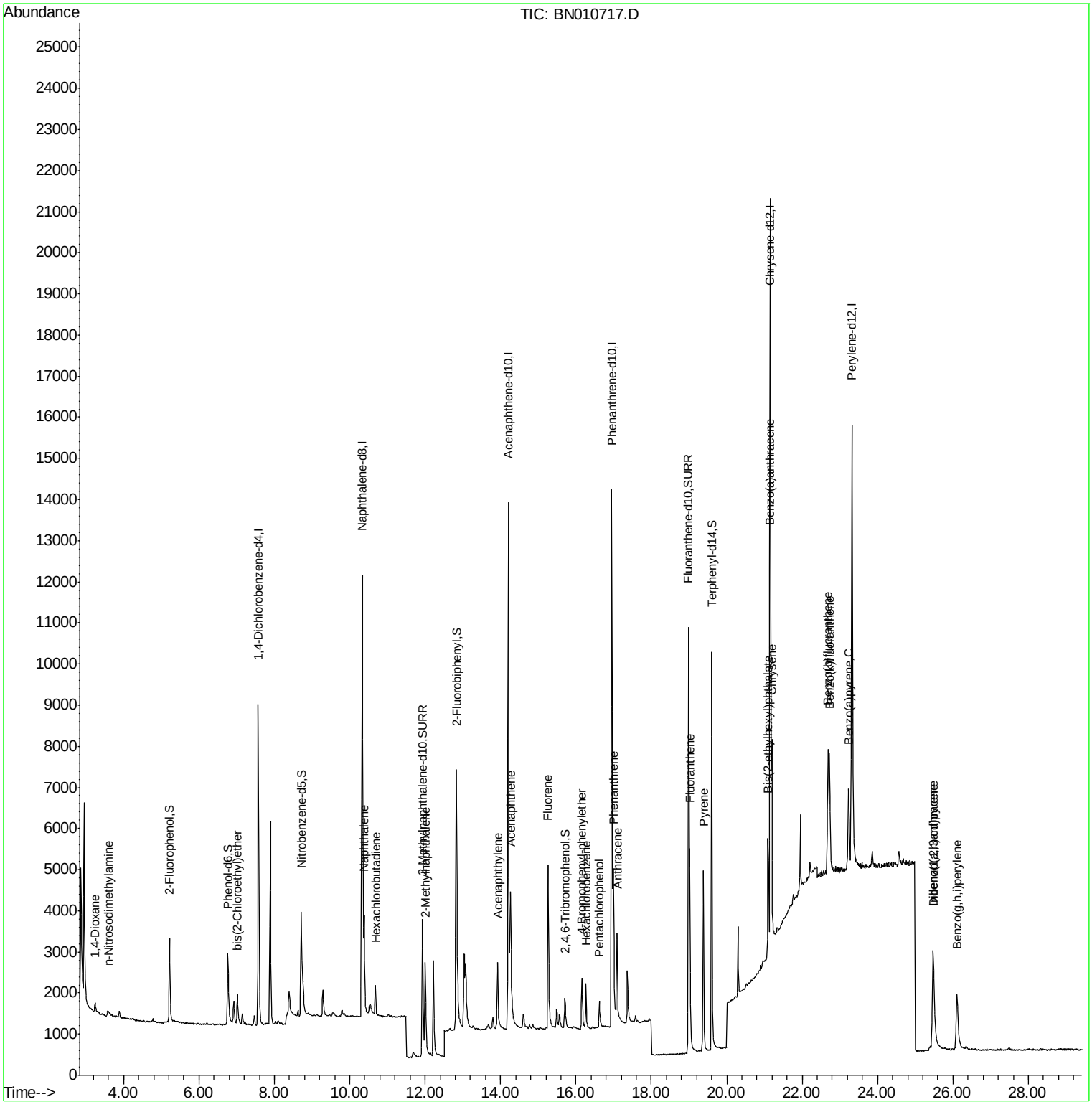
(#) = qualifier out of range (m) = manual integration (+) = signals summed

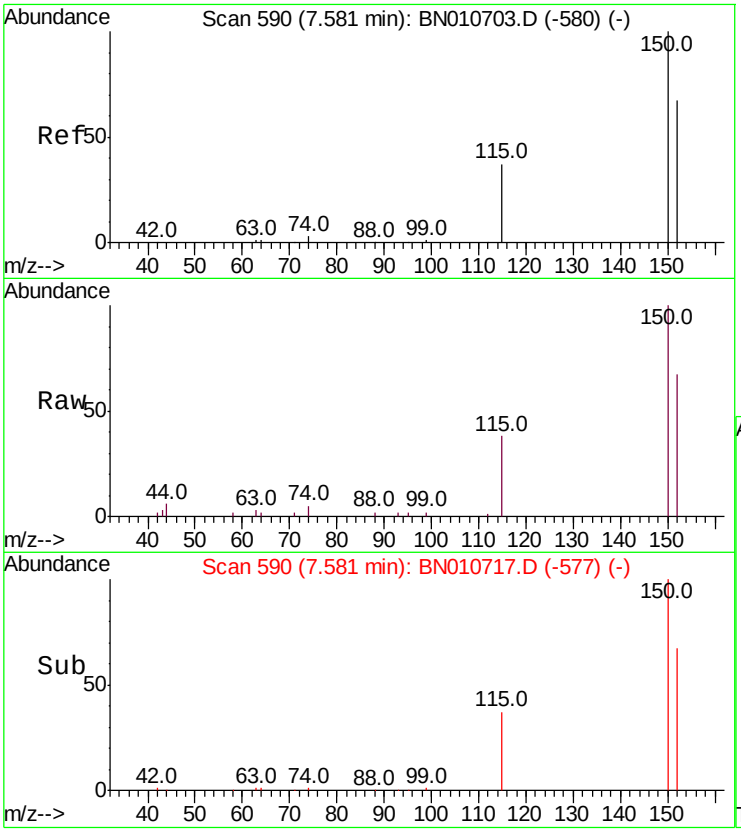
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051420\
Data File : BN010717.D
Acq On : 14 May 2020 18:09
Operator : CG/JU
Sample : L2182-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Quant Time: May 14 18:48:07 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 14 12:56:11 2020
Response via : Initial Calibration



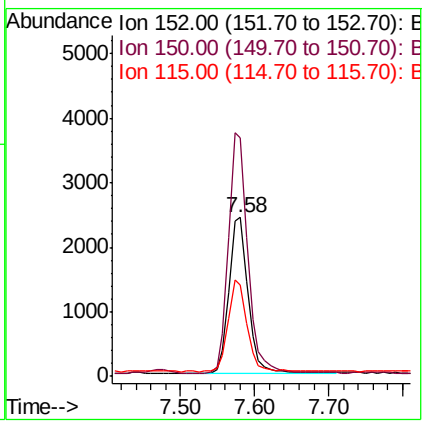


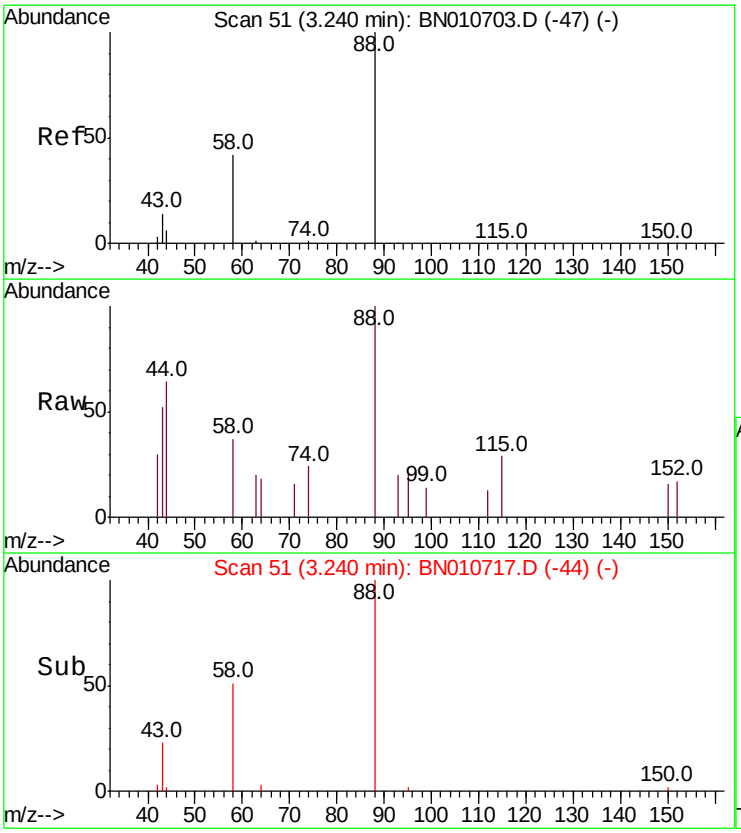
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.58 min Scan# 590
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:152 Resp: 4322

Ion	Ratio	Lower	Upper
152	100		
150	150.1	119.4	179.0
115	57.5	45.9	68.9

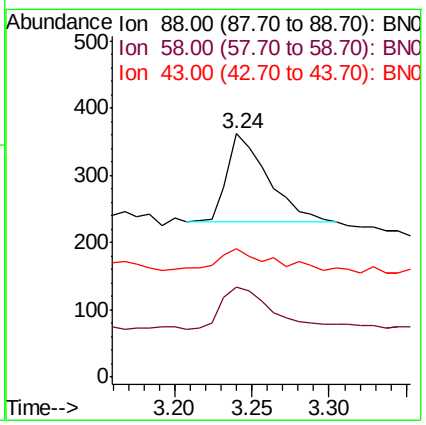


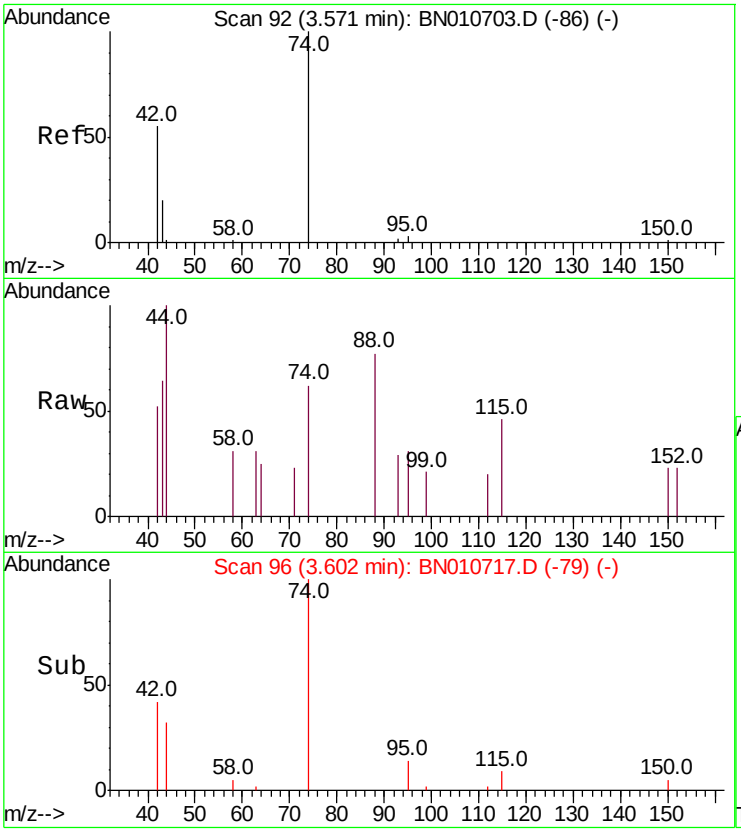


#2
1,4-Dioxane
Concen: 0.064 ng
RT: 3.24 min Scan# 51
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion: 88 Resp: 240

Ion	Ratio	Lower	Upper
88	100		
58	59.2	39.0	58.6#
43	31.7	13.1	19.7#



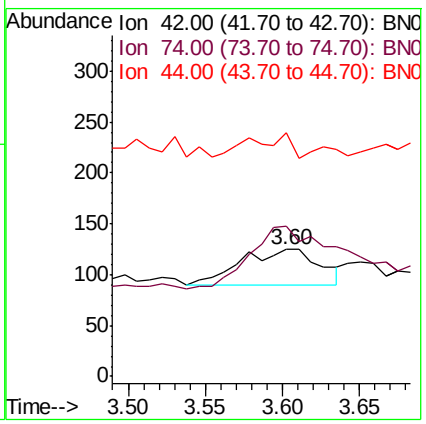


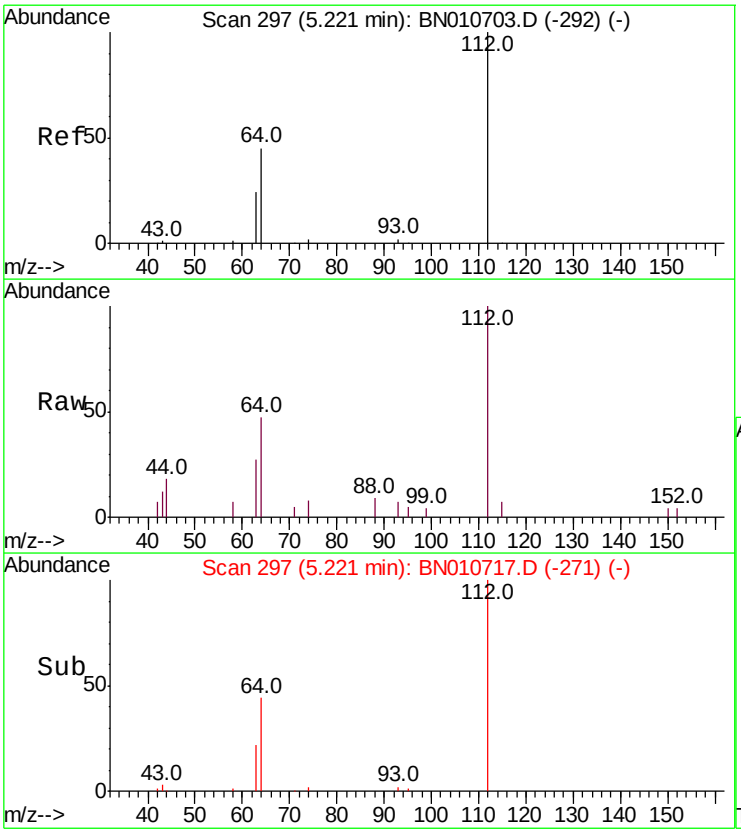
#3
n-Nitrosodimethylamine
Concen: 0.058 ng
RT: 3.60 min Scan# 96
Delta R.T. 0.04 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion: 42 Resp: 125

Ion	Ratio	Lower	Upper
42	100		
74	197.6	146.2	219.2
44	34.4	3.0	4.4#

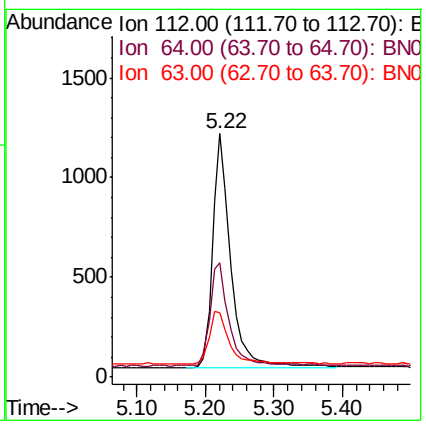


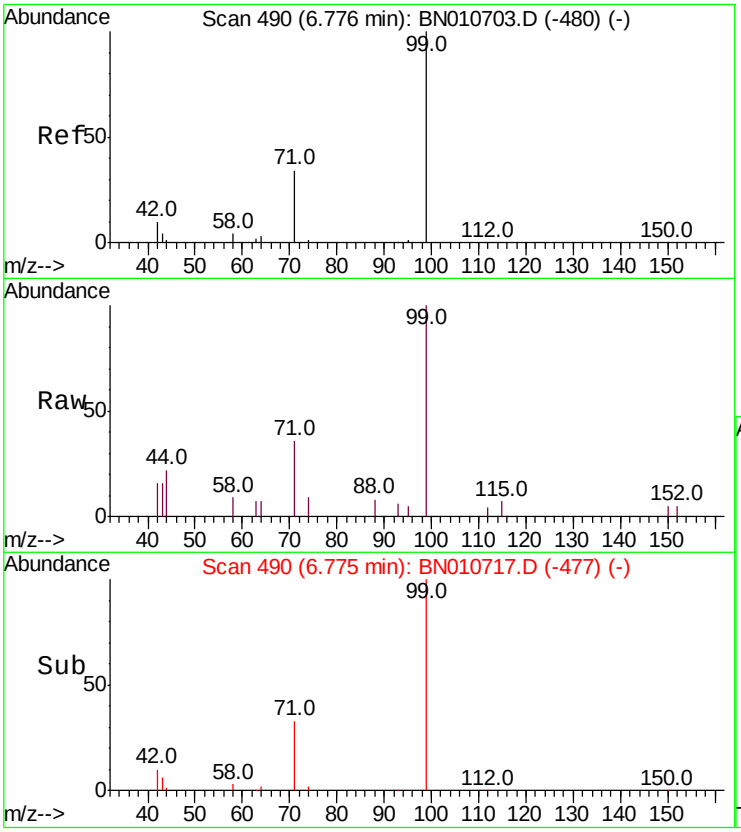


#4
2-Fluorophenol
Concen: 0.257 ng
RT: 5.22 min Scan# 297
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:112 Resp: 2176

Ion	Ratio	Lower	Upper
112	100		
64	48.0	36.2	54.4
63	24.9	19.8	29.8



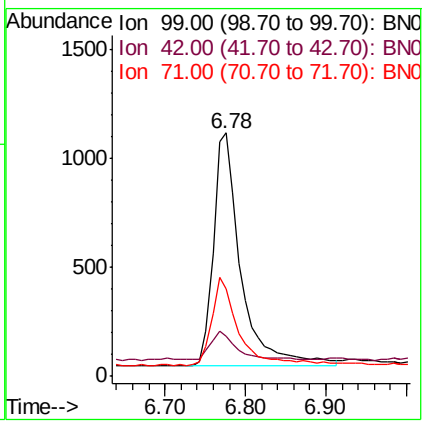


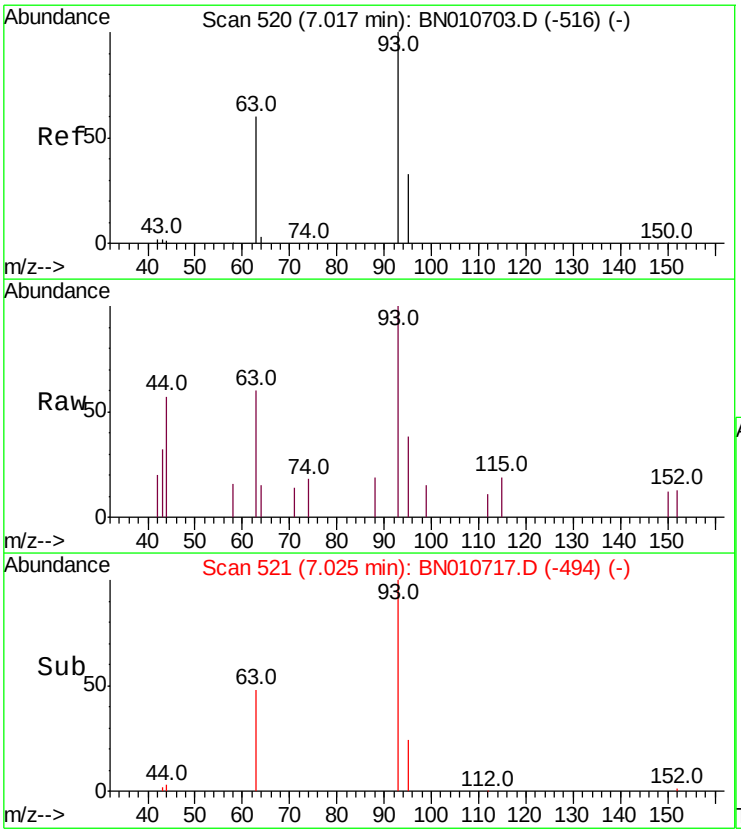
#5
Phenol-d6
Concen: 0.244 ng
RT: 6.78 min Scan# 490
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion: 99 Resp: 2526

Ion	Ratio	Lower	Upper
99	100		
42	11.0	9.8	14.8
71	37.0	28.6	42.8

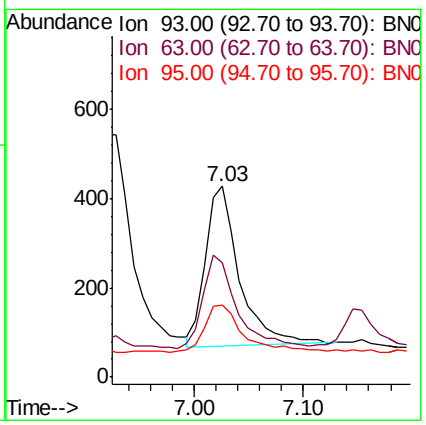


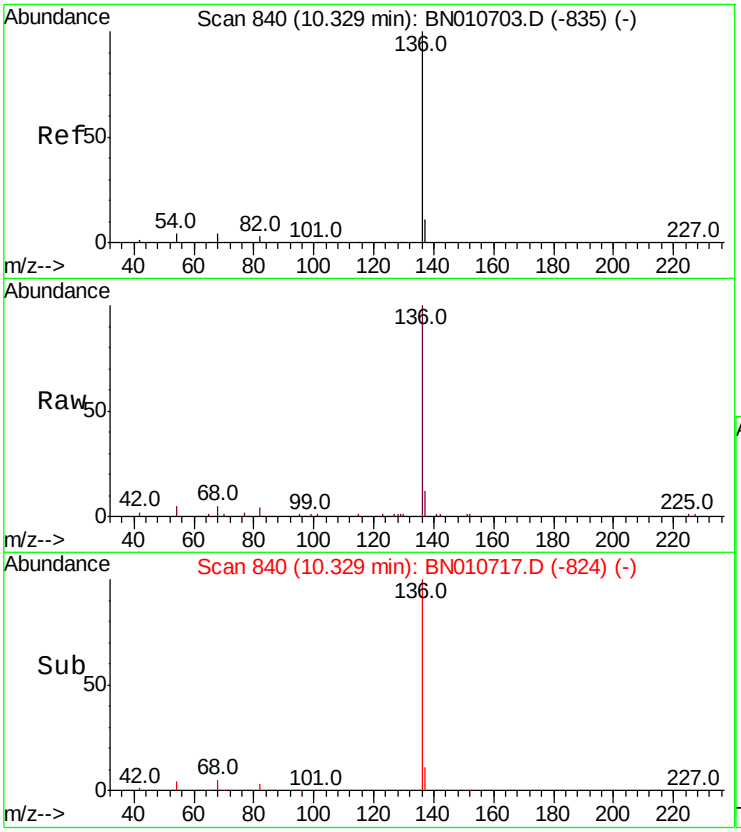


#6
bis(2-Chloroethyl)ether
Concen: 0.072 ng
RT: 7.03 min Scan# 521
Delta R.T. 0.02 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion: 93 Resp: 772

Ion	Ratio	Lower	Upper
93	100		
63	58.7	43.1	64.7
95	35.1	24.6	37.0



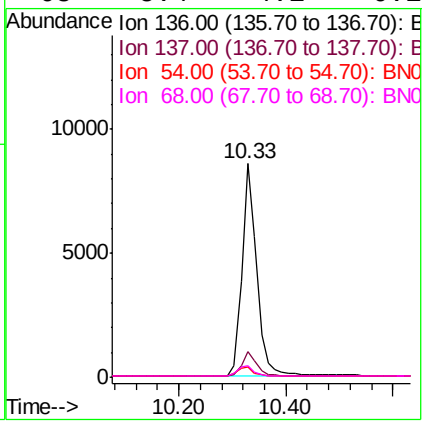


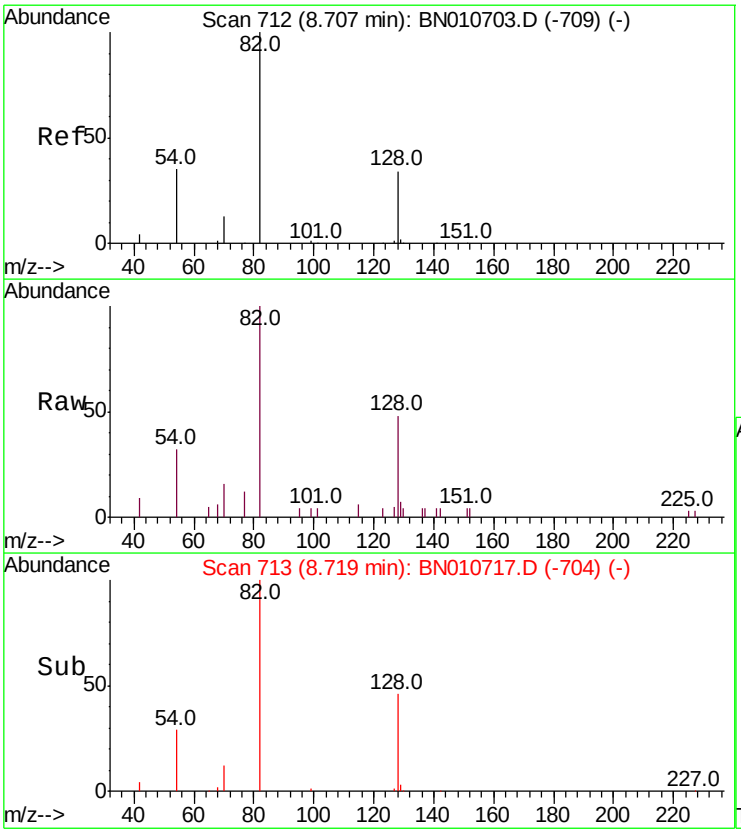
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.33 min Scan# 840
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:136 Resp: 16410

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	4.6	3.6	5.4
68	5.4	4.1	6.1

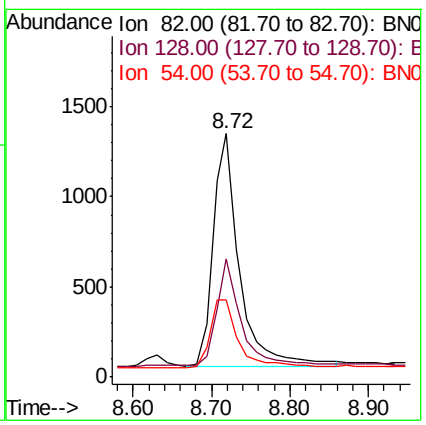


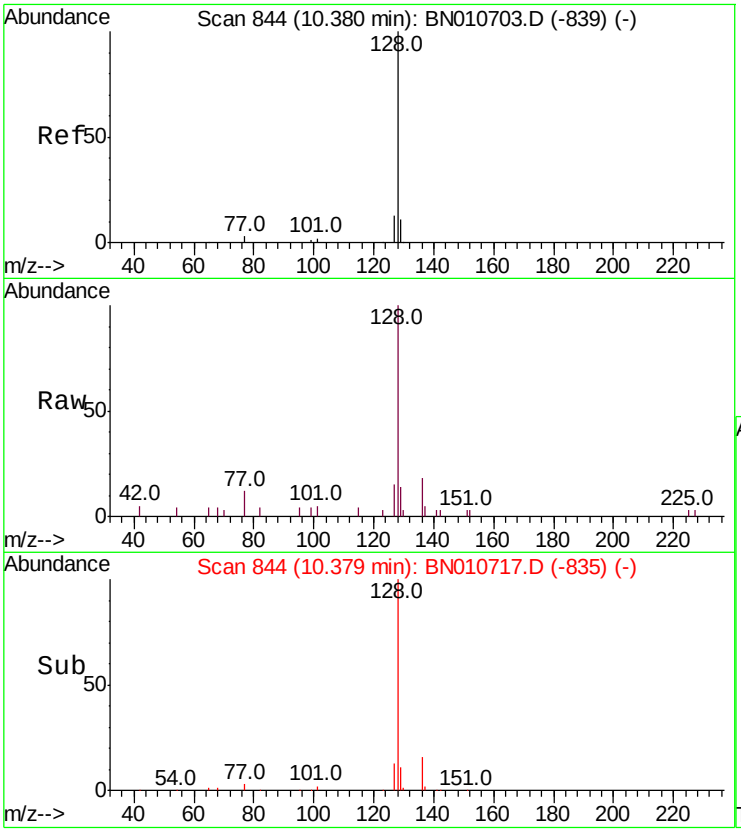


#8
Nitrobenzene-d5
Concen: 0.263 ng
RT: 8.72 min Scan# 713
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion: 82 Resp: 2999

Ion	Ratio	Lower	Upper
82	100		
128	48.3	29.0	43.4#
54	31.8	29.3	43.9



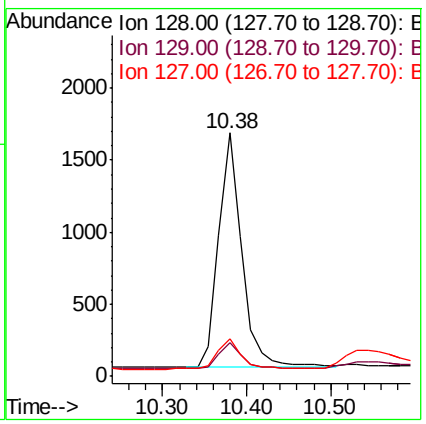


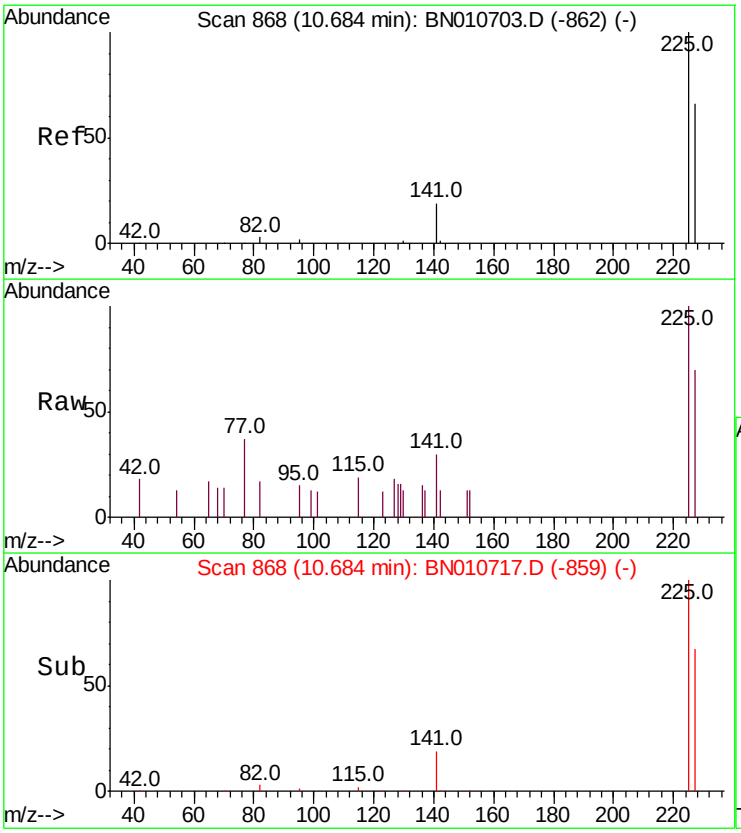
#9
Naphthalene
Concen: 0.076 ng
RT: 10.38 min Scan# 844
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:128 Resp: 3139

Ion	Ratio	Lower	Upper
128	100		
129	14.1	9.3	13.9#
127	15.3	11.0	16.6

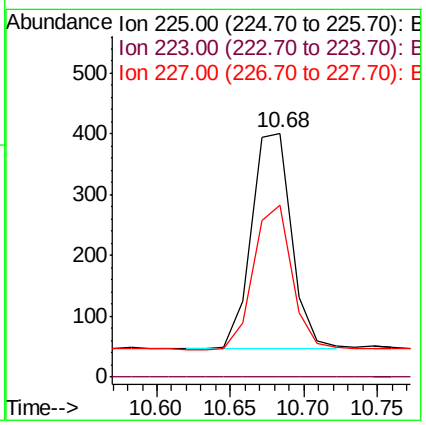


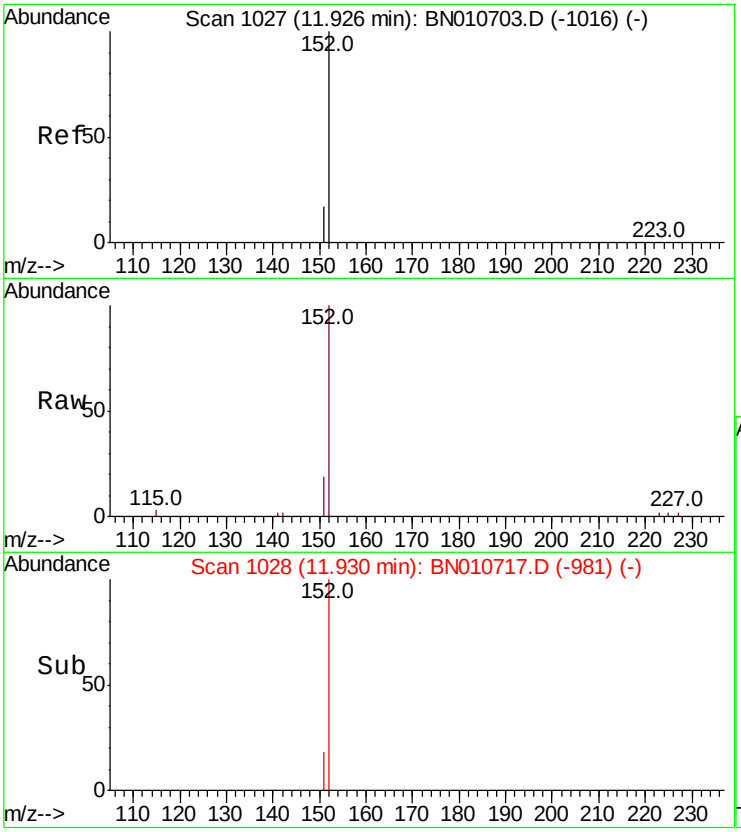


#10
Hexachlorobutadiene
Concen: 0.072 ng
RT: 10.68 min Scan# 868
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:225 Resp: 677

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	50.7	76.1



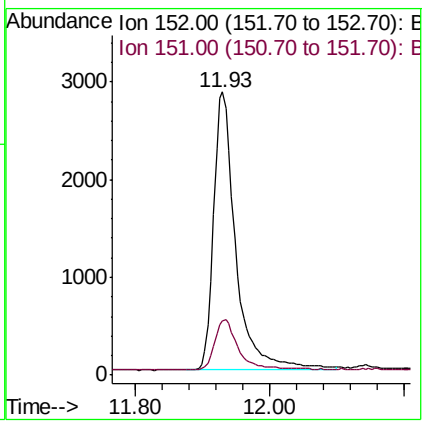


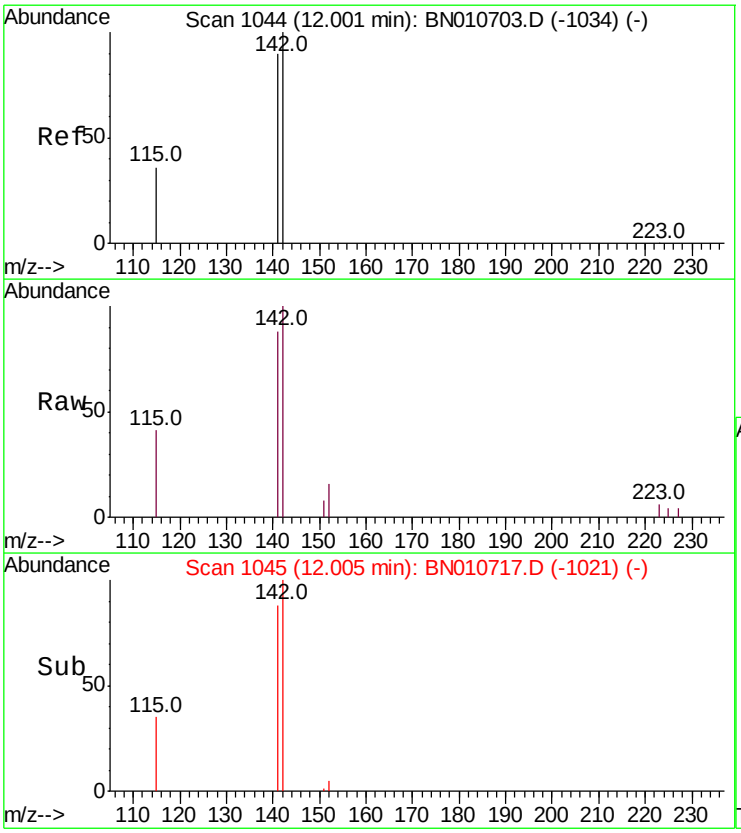
#11
2-Methylnaphthalene-d10
Concen: 0.246 ng
RT: 11.93 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:152 Resp: 6586

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.0	22.6

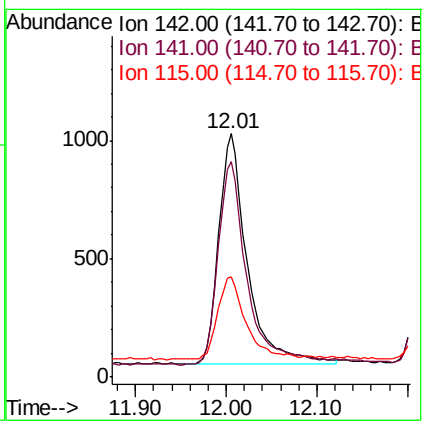


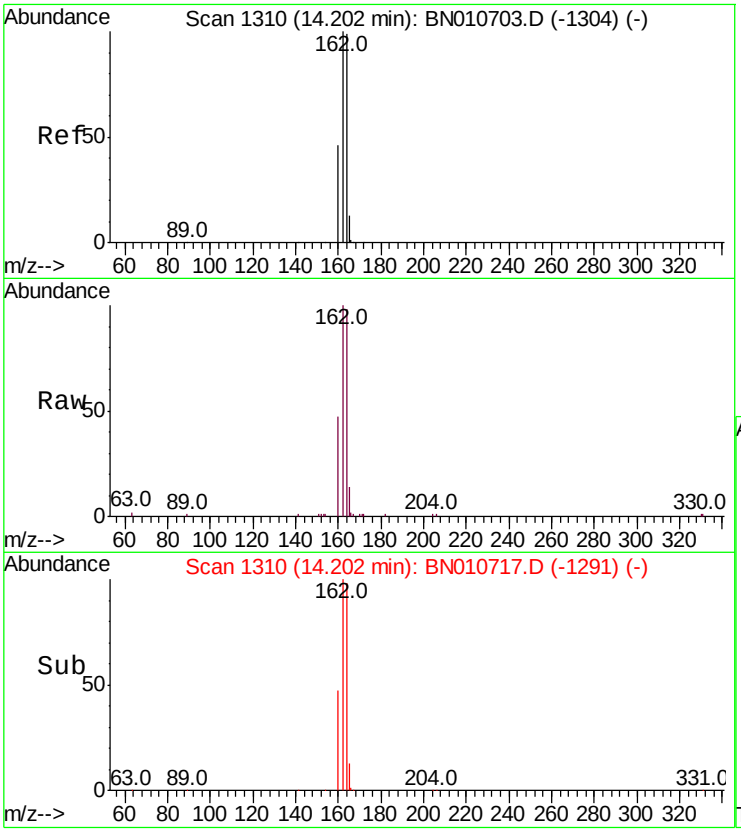


#12
2-Methylnaphthalene
Concen: 0.073 ng
RT: 12.01 min Scan# 1045
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:142 Resp: 2128

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.7	107.5
115	41.0	29.8	44.6



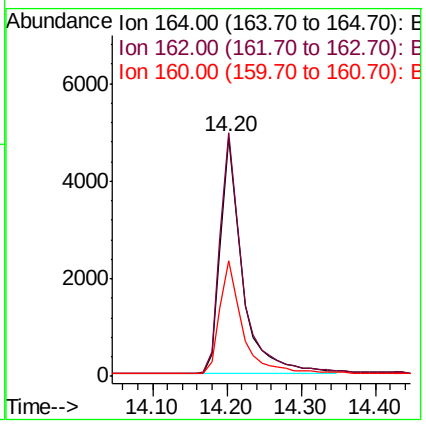


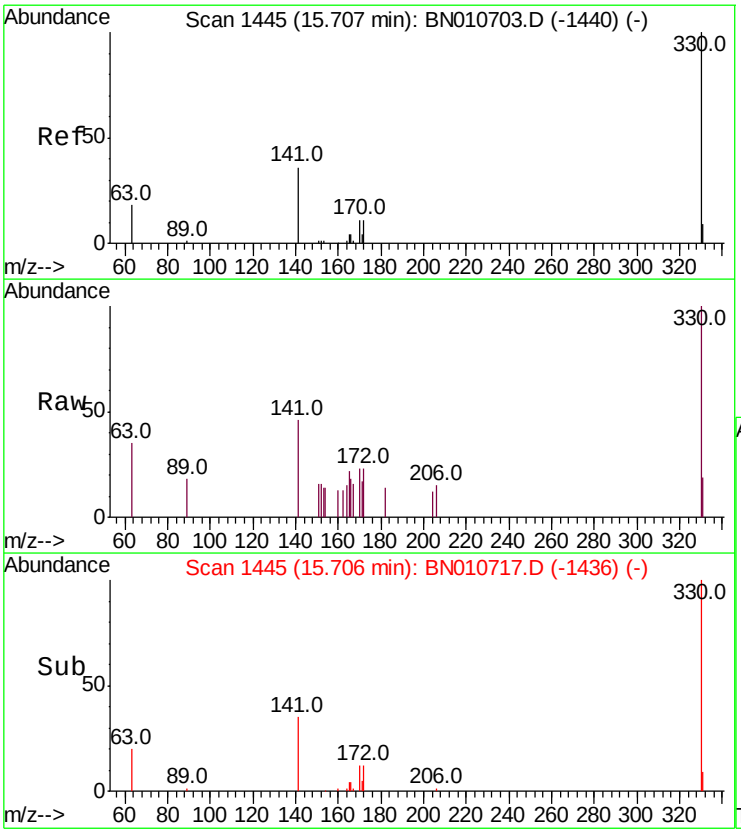
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.20 min Scan# 1310
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:164 Resp: 10083

Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.1	121.7
160	48.5	37.9	56.9

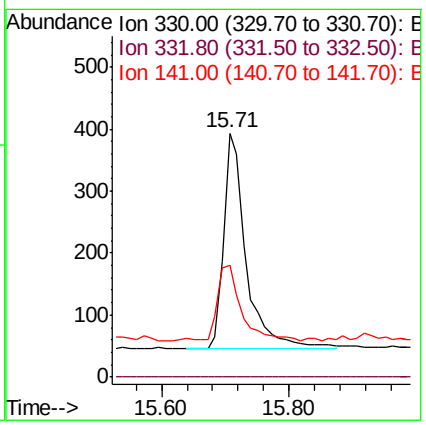


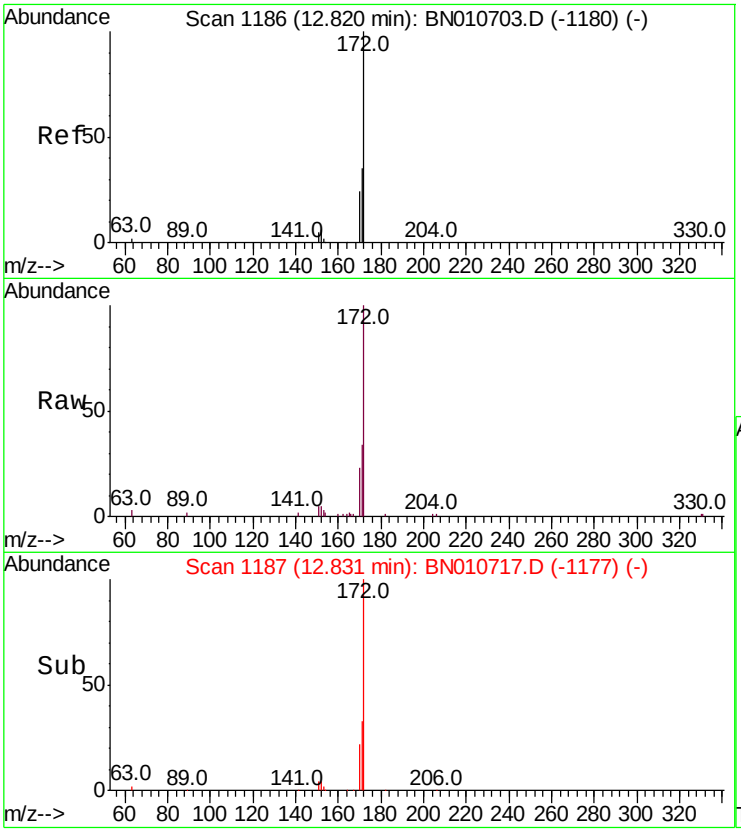


#14
2,4,6-Tribromophenol
Concen: 0.234 ng
RT: 15.71 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:330 Resp: 855

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.7	28.8	43.2



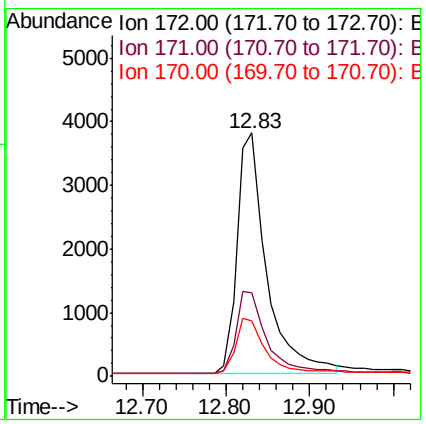


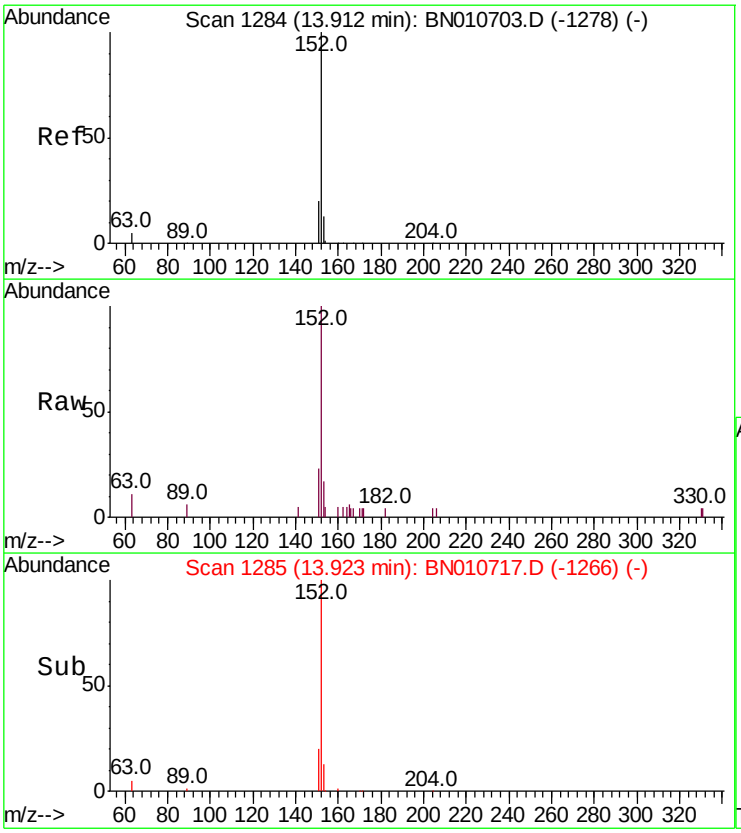
#15
2-Fluorobiphenyl
Concen: 0.250 ng
RT: 12.83 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:172 Resp: 9249

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.6	42.8
170	23.0	19.8	29.8

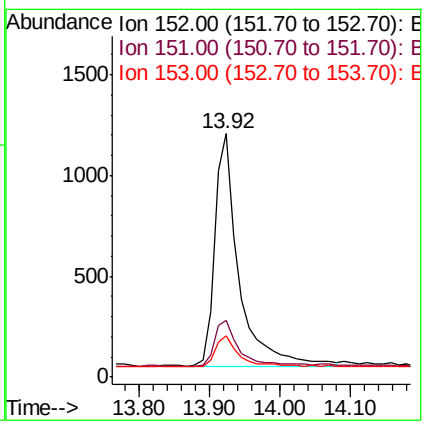


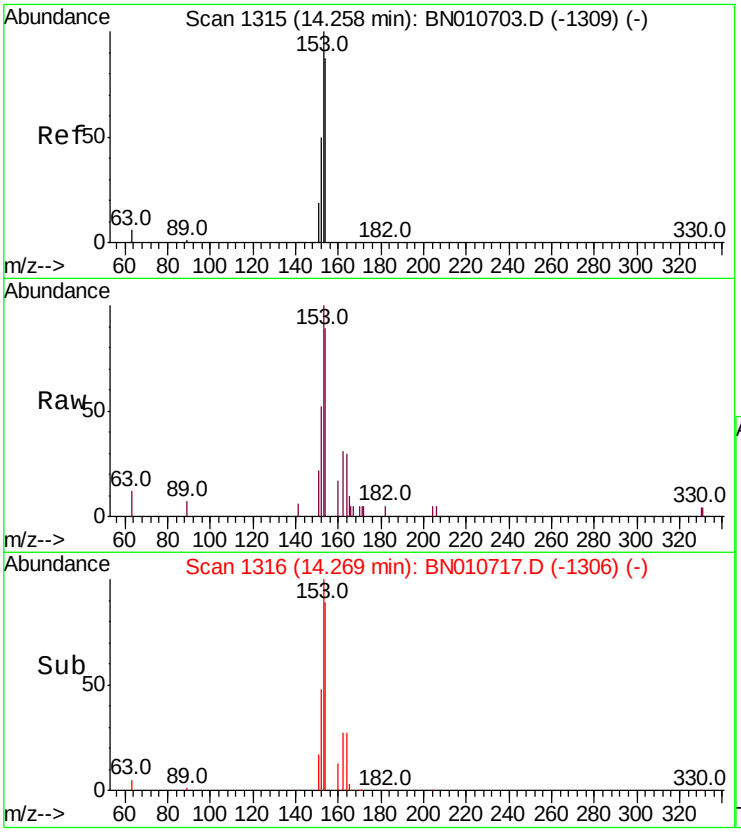


#16
Acenaphthylene
Concen: 0.067 ng
RT: 13.92 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:152 Resp: 2760

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.6	23.4
153	13.5	10.4	15.6



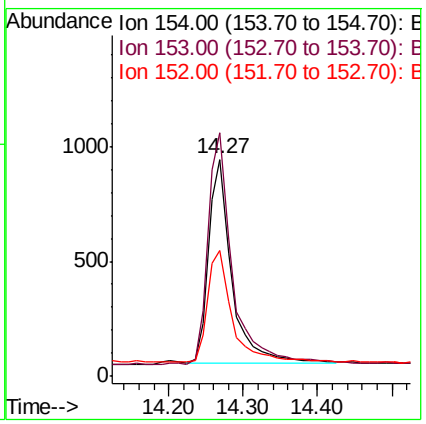


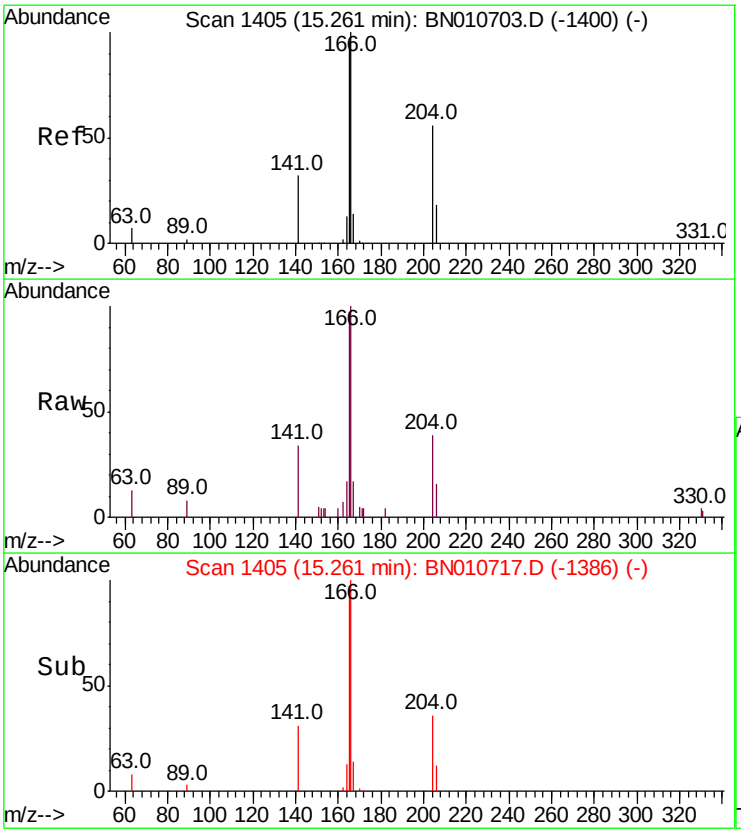
#17
Acenaphthene
Concen: 0.069 ng
RT: 14.27 min Scan# 1316
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:154 Resp: 1931

Ion	Ratio	Lower	Upper
154	100		
153	118.0	91.5	137.3
152	57.4	45.6	68.4

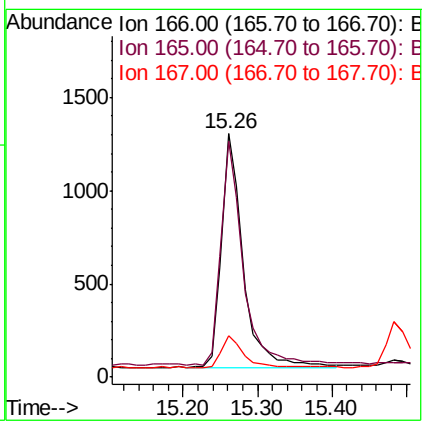


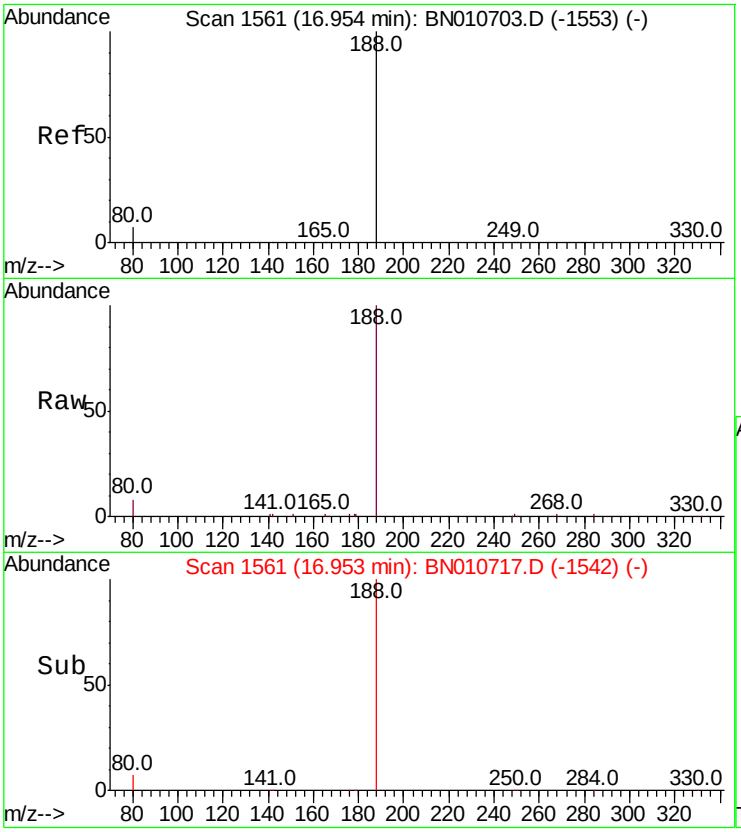


#18
Fluorene
Concen: 0.070 ng
RT: 15.26 min Scan# 1405
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:166 Resp: 2539

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.9	116.9
167	14.5	11.0	16.4



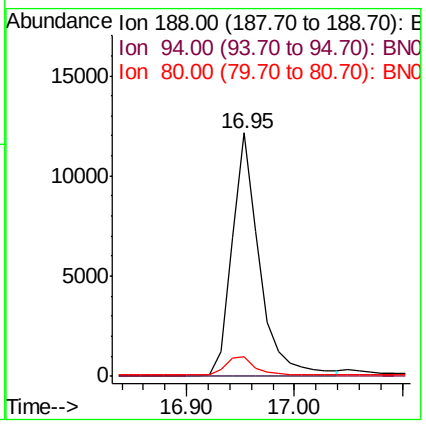


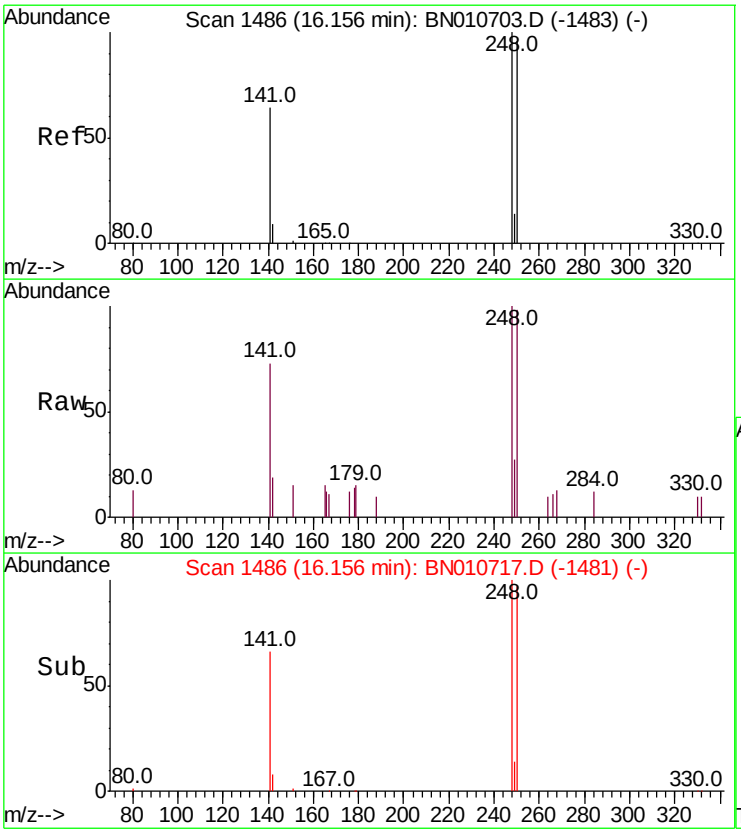
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.95 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:188 Resp: 21146

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.9	6.3	9.5

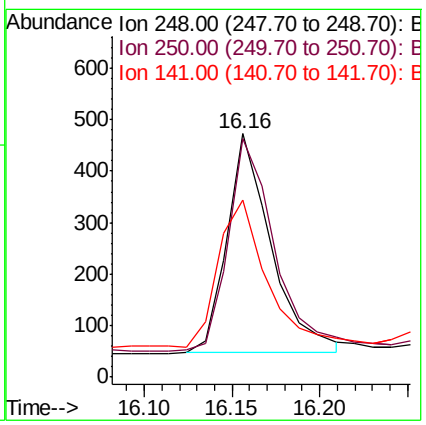


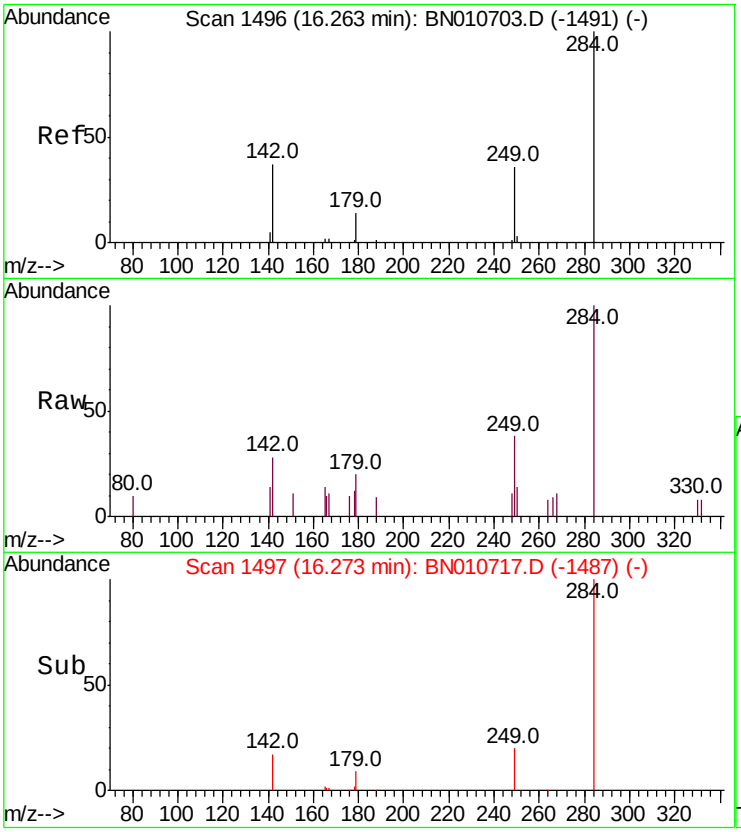


#20
4-Bromophenyl-phenylether
Concen: 0.064 ng
RT: 16.16 min Scan# 1486
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:248 Resp: 745

Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.4	116.0
141	72.5	53.1	79.7



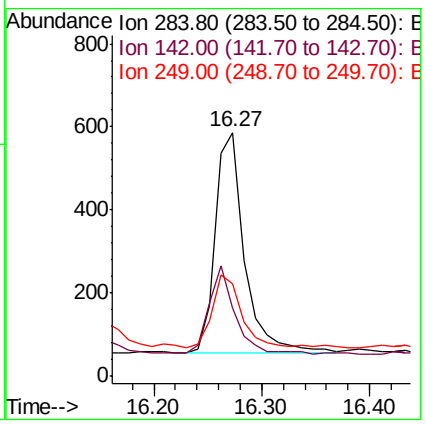


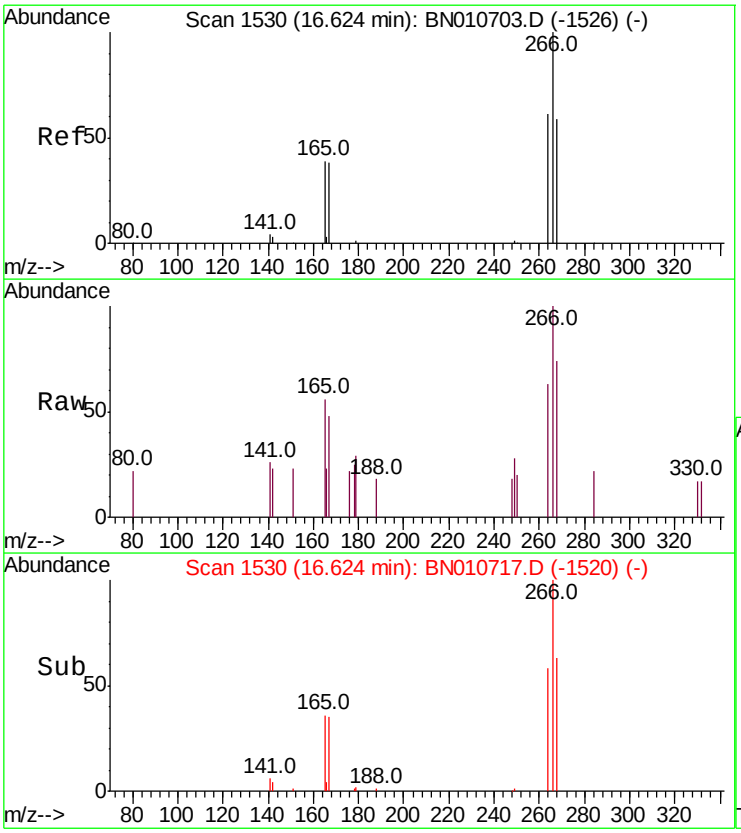
#21
Hexachlorobenzene
Concen: 0.072 ng
RT: 16.27 min Scan# 1497
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:284 Resp: 996

Ion	Ratio	Lower	Upper
284	100		
142	34.9	28.2	42.2
249	34.0	26.4	39.6

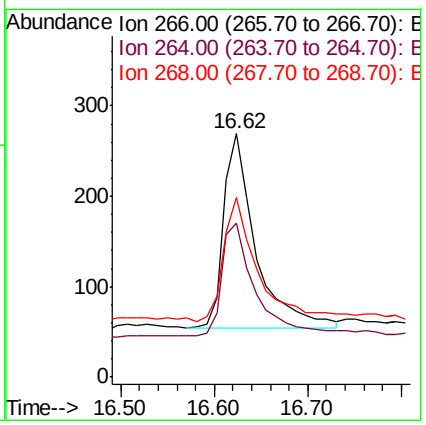


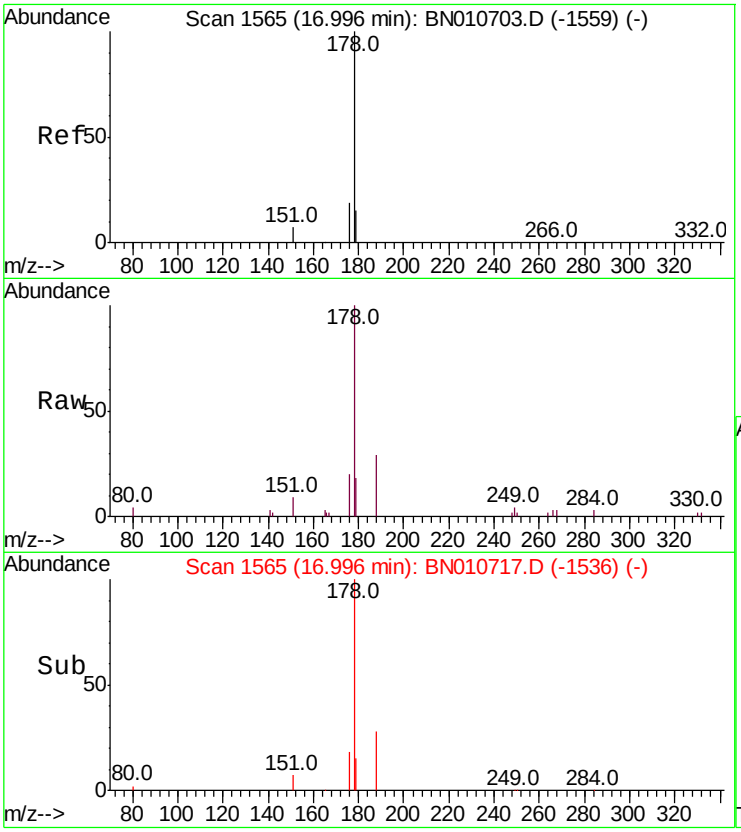


#22
Pentachlorophenol
Concen: 0.120 ng
RT: 16.62 min Scan# 1530
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:266 Resp: 516

Ion	Ratio	Lower	Upper
266	100		
264	63.2	51.1	76.7
268	73.6	52.1	78.1



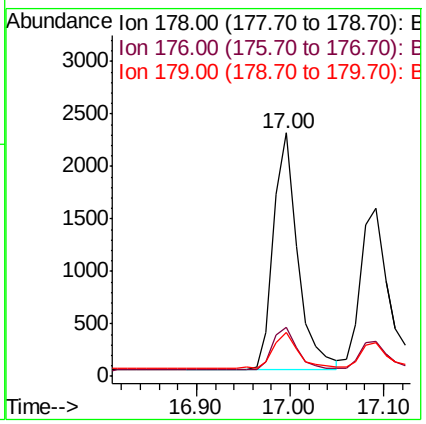


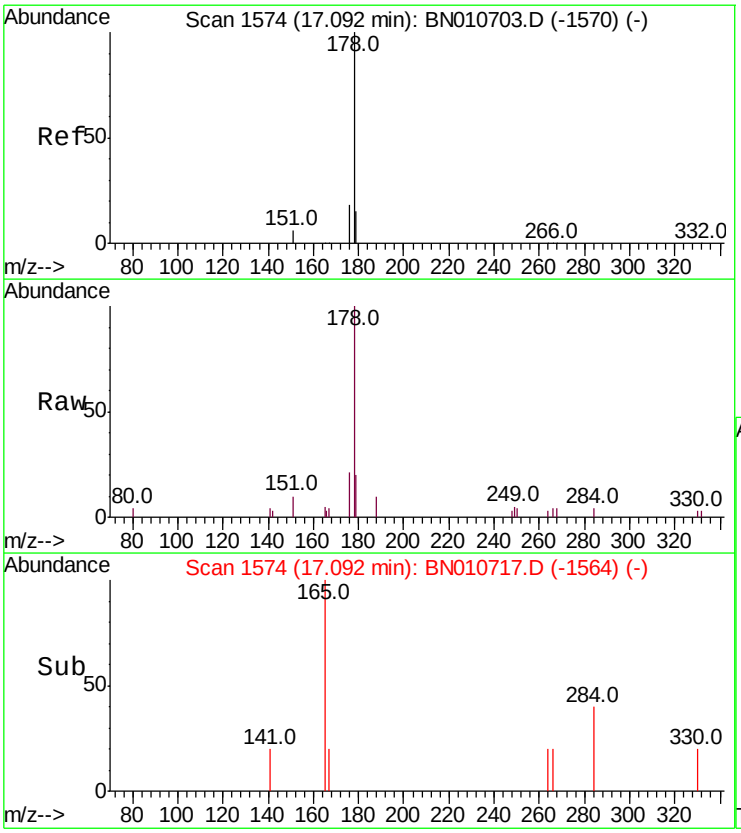
#23
Phenanthrene
Concen: 0.071 ng
RT: 17.00 min Scan# 1565
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:178 Resp: 4043

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.9	22.3
179	16.3	12.2	18.4

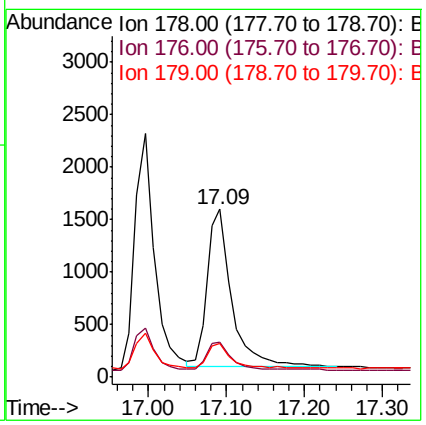


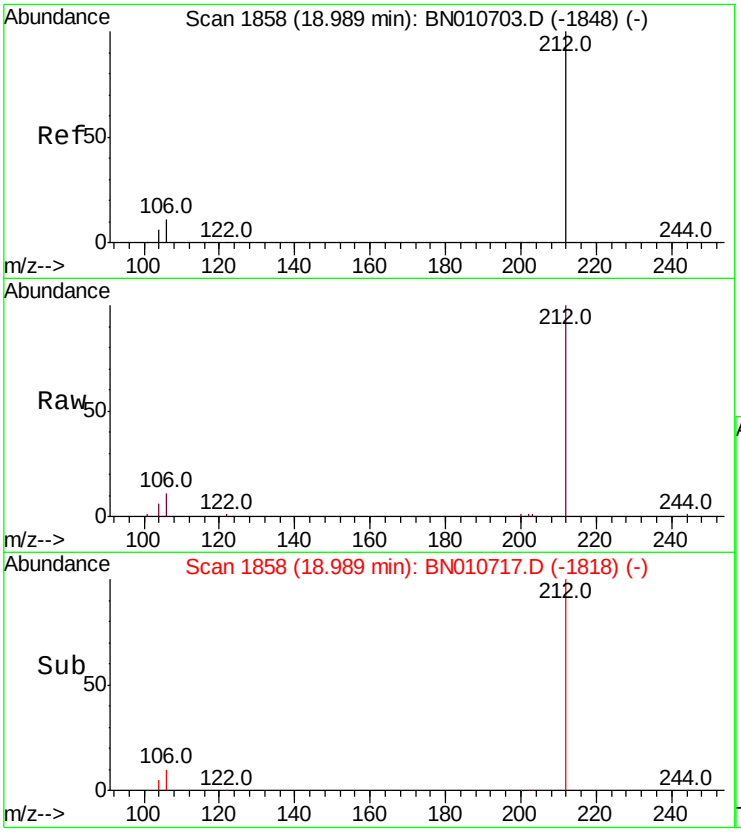


#24
Anthracene
Concen: 0.068 ng
RT: 17.09 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:178 Resp: 3259

Ion	Ratio	Lower	Upper
178	100		
176	16.7	14.7	22.1
179	15.1	12.3	18.5



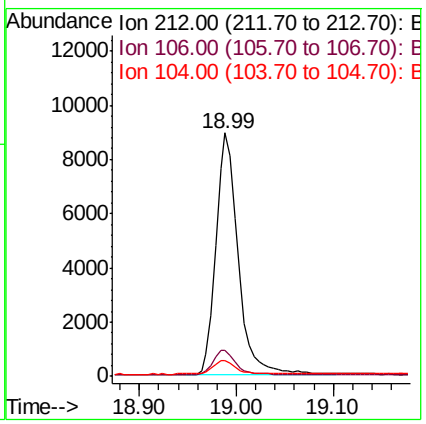


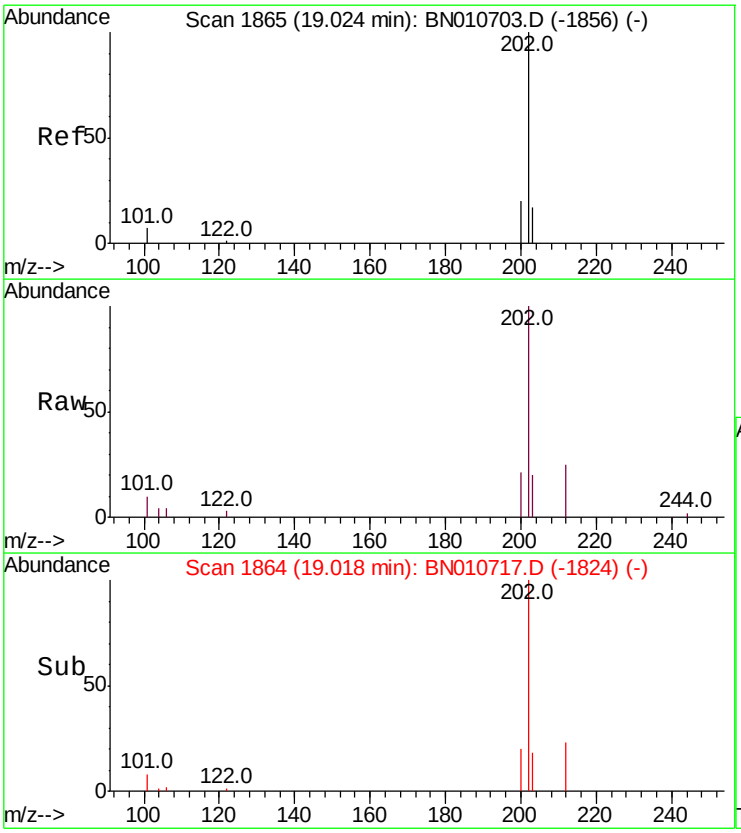
#25
Fluoranthene-d10
Concen: 0.251 ng
RT: 18.99 min Scan# 1858
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:212 Resp: 14375

Ion	Ratio	Lower	Upper
212	100		
106	10.1	8.2	12.2
104	5.6	4.7	7.1

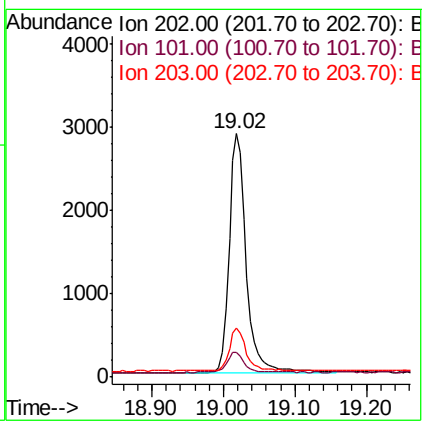


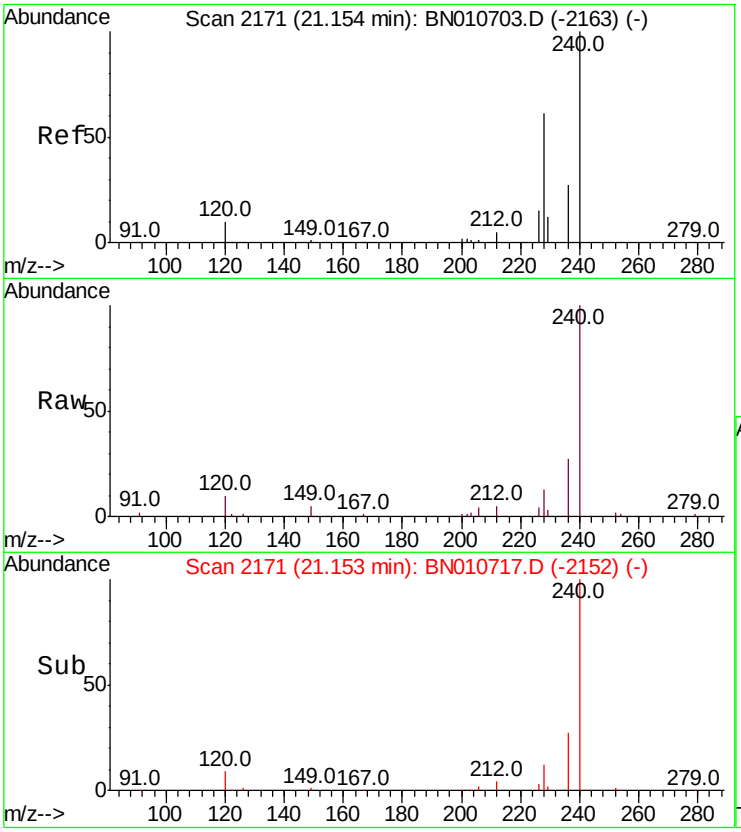


#26
Fluoranthene
Concen: 0.074 ng
RT: 19.02 min Scan# 1864
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:202 Resp: 4756

Ion	Ratio	Lower	Upper
202	100		
101	8.8	6.7	10.1
203	17.5	13.4	20.0



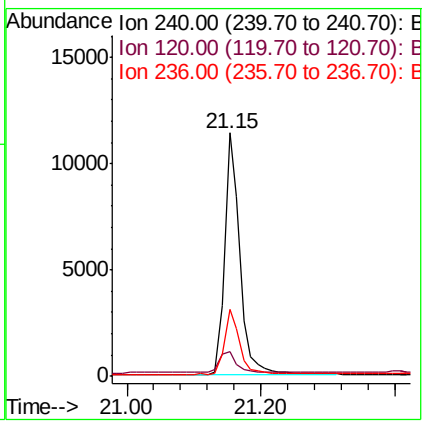


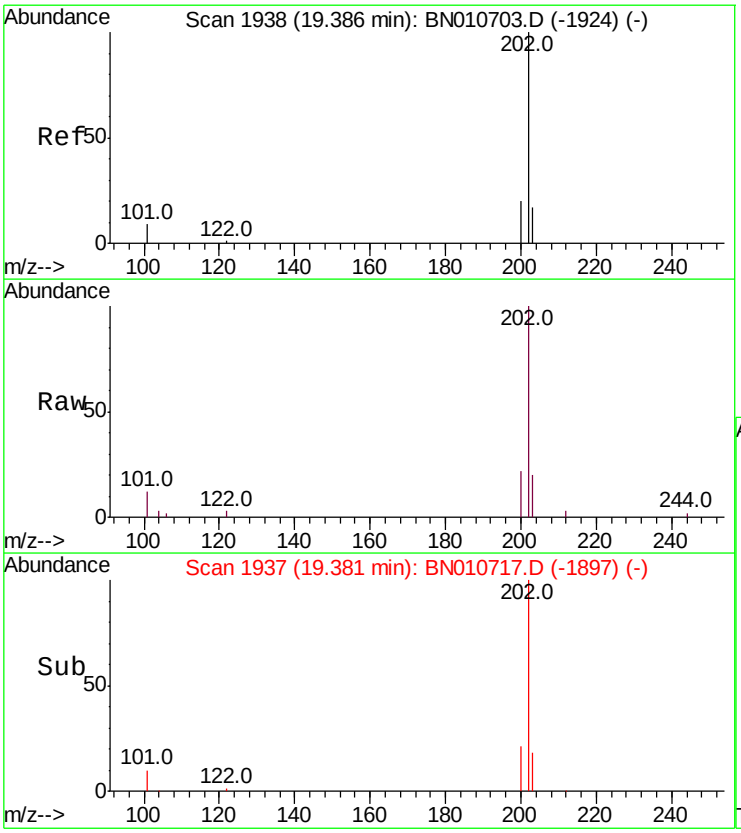
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.15 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:240 Resp: 18133

Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.5	14.3
236	27.5	22.5	33.7

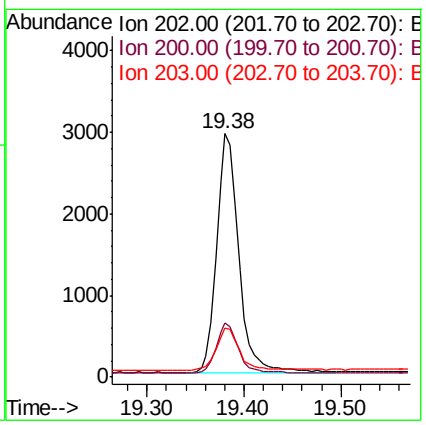


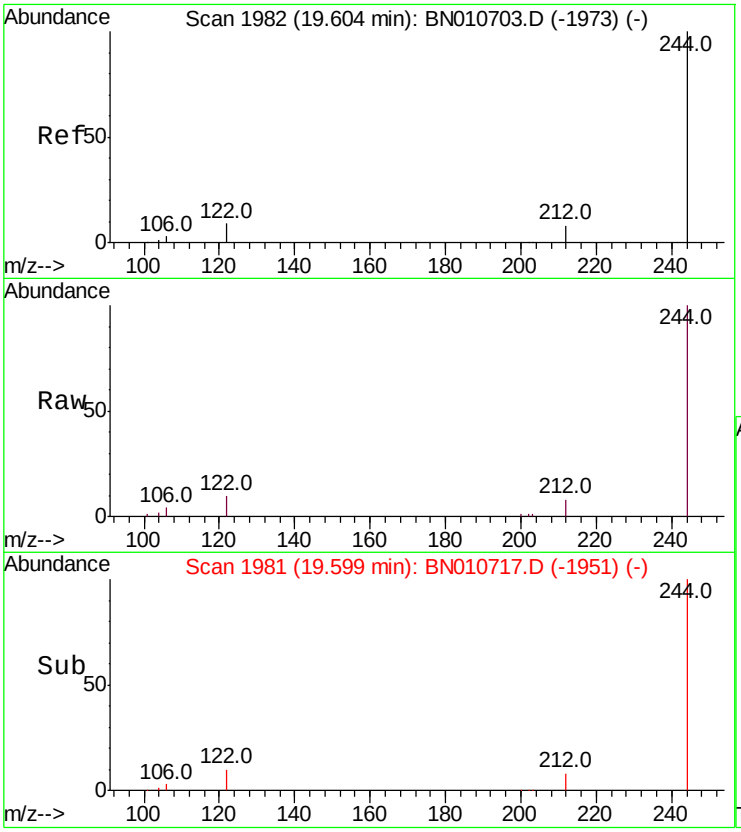


#28
Pyrene
Concen: 0.071 ng
RT: 19.38 min Scan# 1937
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:202 Resp: 4643

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.2	24.4
203	19.0	14.1	21.1



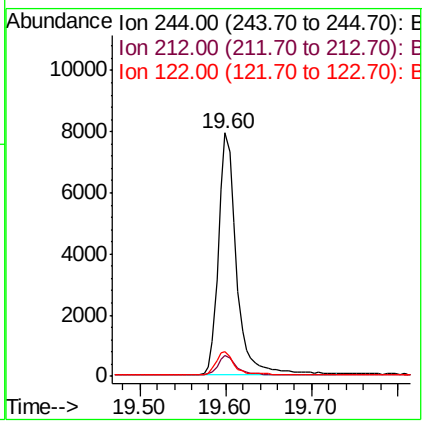


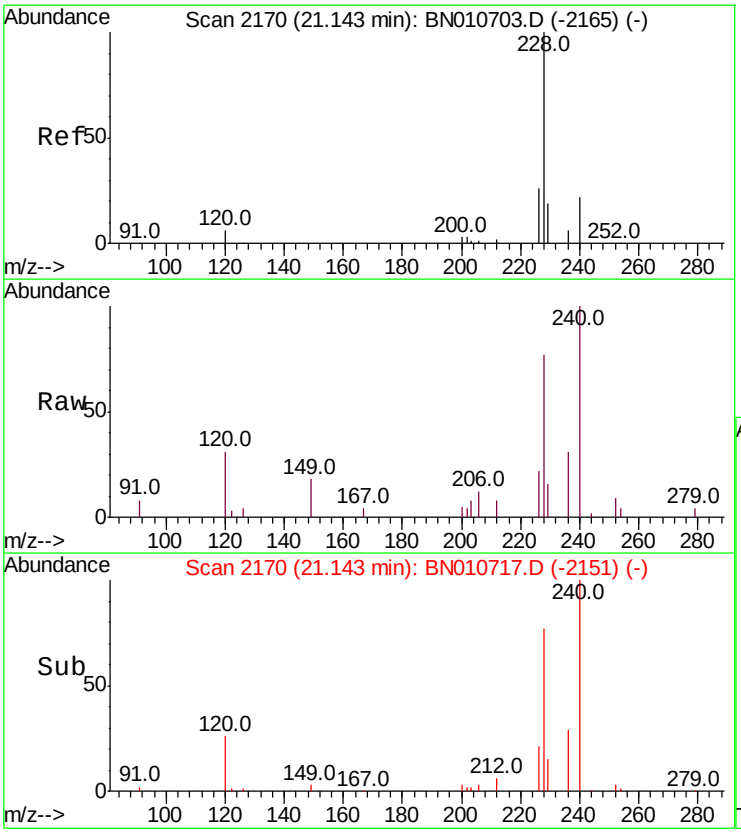
#29
Terphenyl-d14
Concen: 0.270 ng
RT: 19.60 min Scan# 1981
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:244 Resp: 11620

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.8	10.2
122	10.4	8.1	12.1

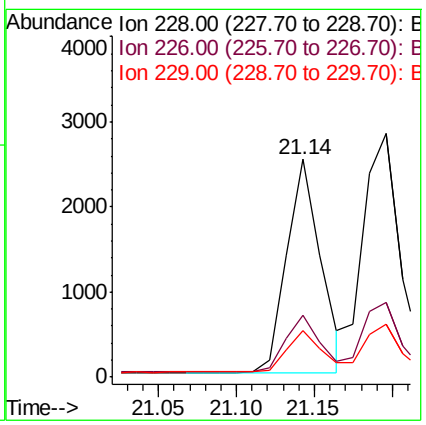


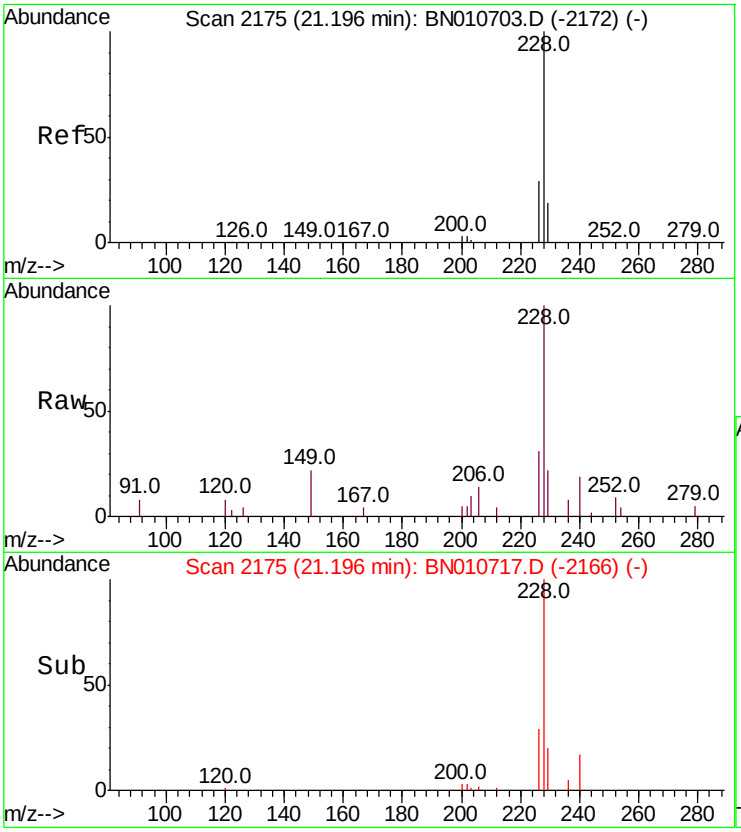


#30
Benzo(a)anthracene
Concen: 0.071 ng
RT: 21.14 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:228 Resp: 3776

Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.3	31.9
229	21.2	16.0	24.0



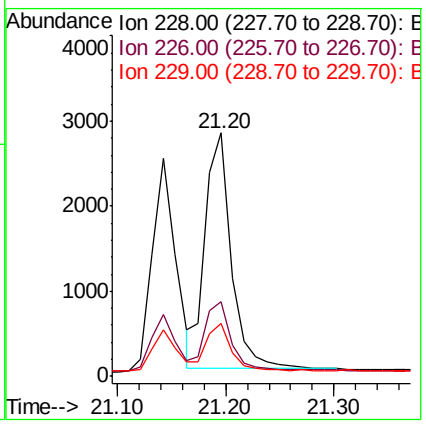


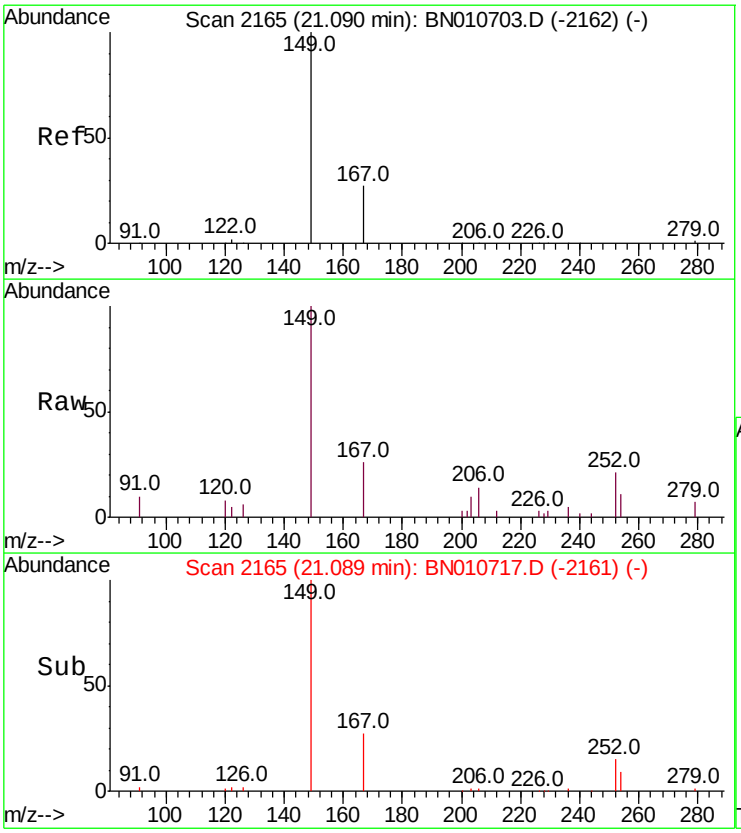
#31
Chrysene
Concen: 0.078 ng
RT: 21.20 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:228 Resp: 4661

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.4	35.0
229	21.5	16.1	24.1

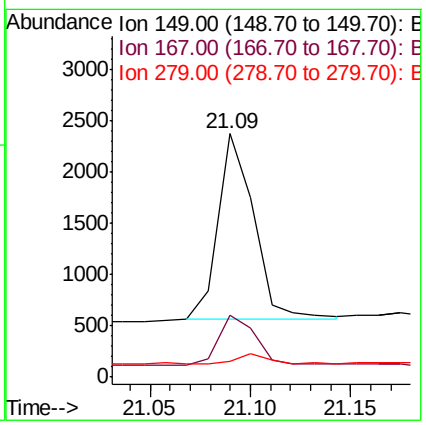


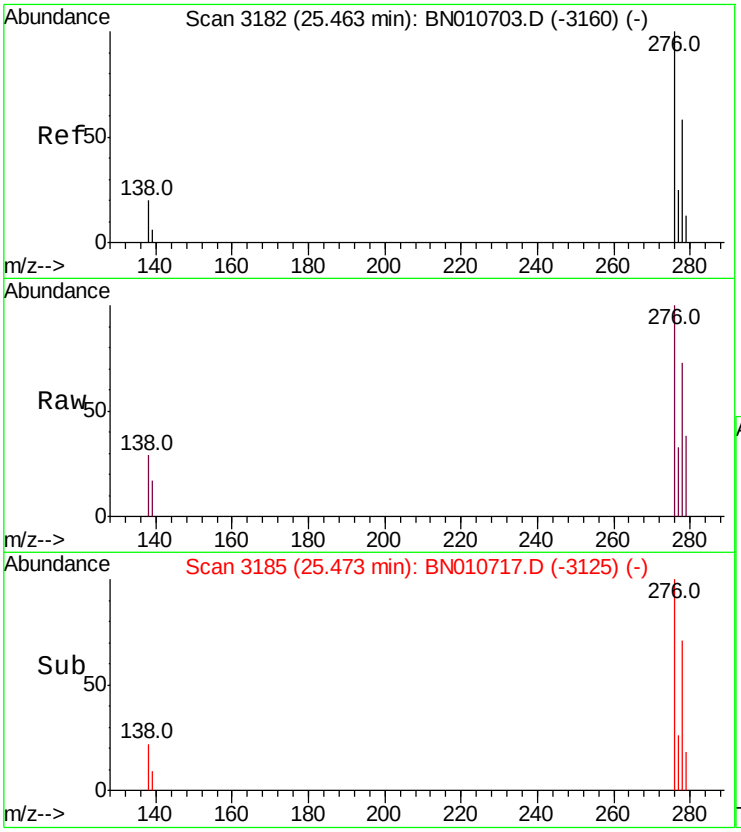


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.097 ng
RT: 21.09 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:149 Resp: 2243

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.5	33.7
279	5.6	4.1	6.1



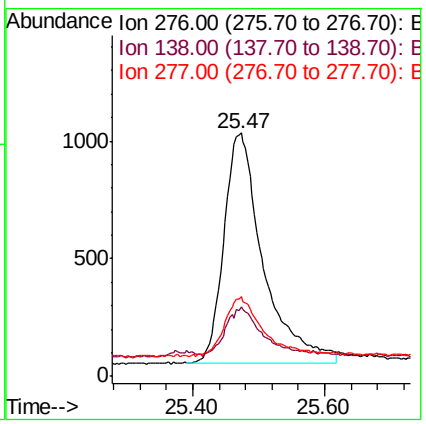


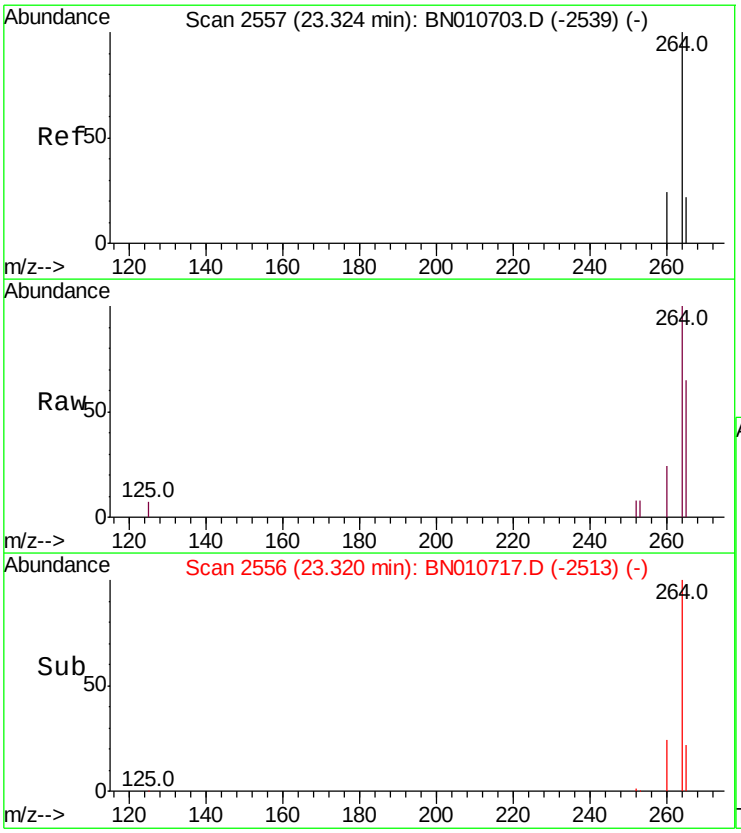
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.076 ng
RT: 25.47 min Scan# 3185
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:276 Resp: 4047

Ion	Ratio	Lower	Upper
276	100		
138	20.0	15.1	22.7
277	24.6	19.4	29.0

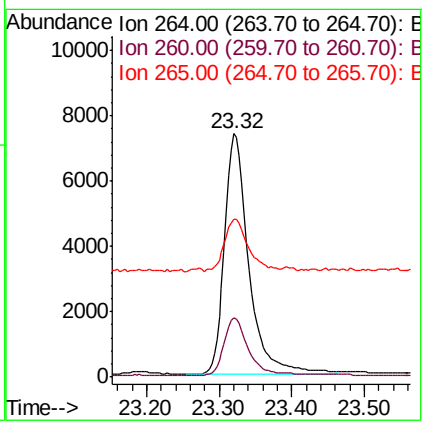


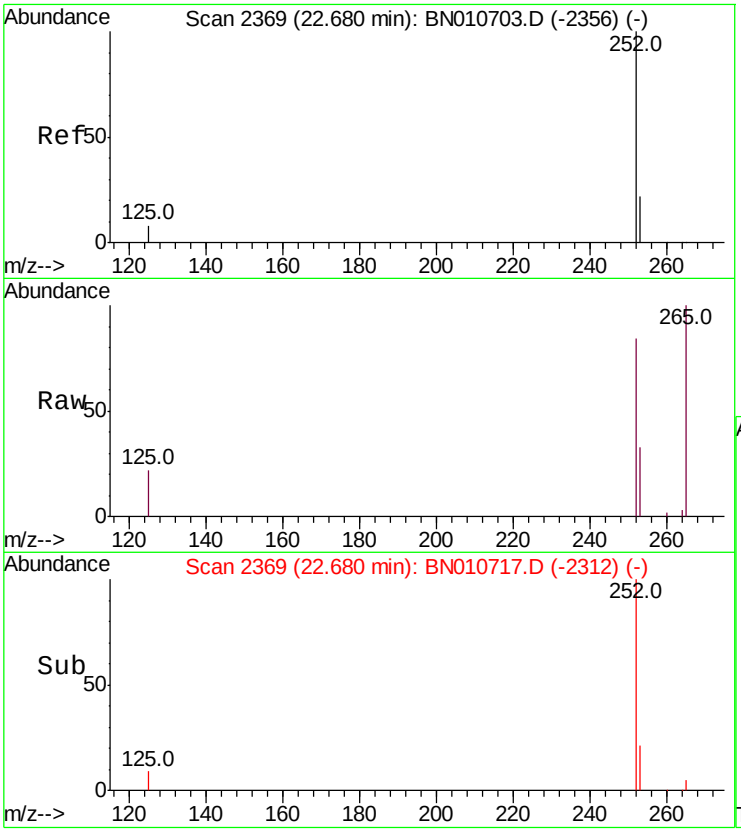


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.32 min Scan# 2556
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:264 Resp: 16954

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.6	29.4
265	64.6	70.1	105.1#



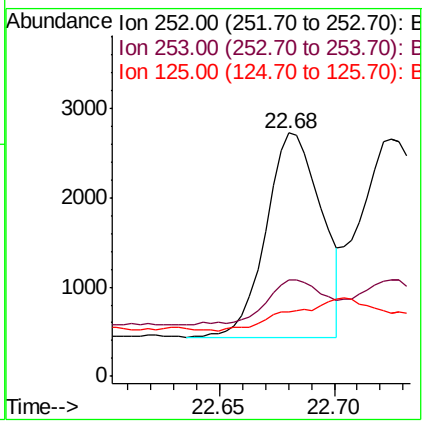


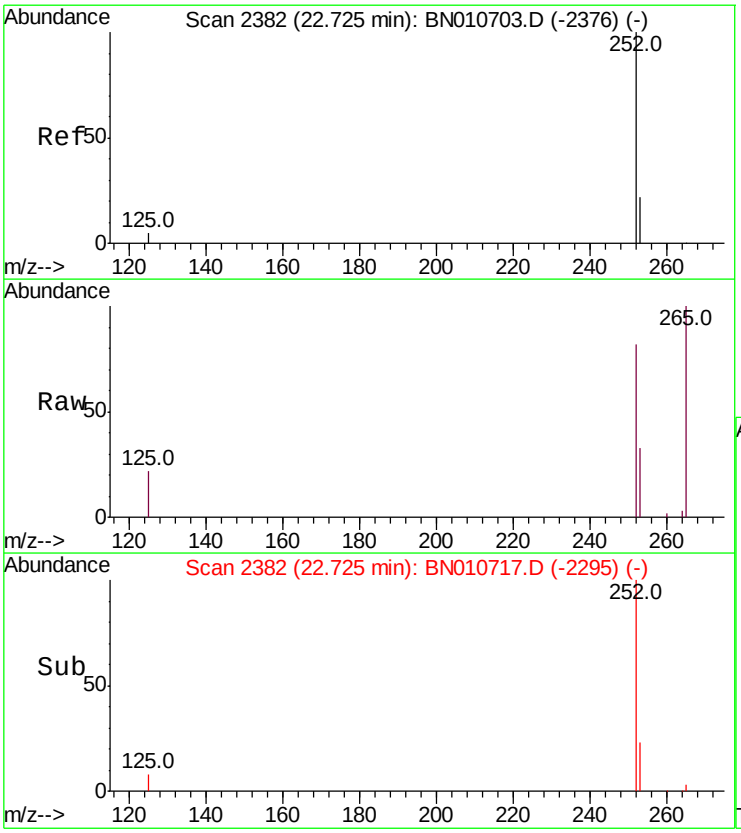
#35
Benzo(b)fluoranthene
Concen: 0.069 ng
RT: 22.68 min Scan# 2369
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:252 Resp: 3859

Ion	Ratio	Lower	Upper
252	100		
253	39.4	22.0	33.0#
125	26.3	10.8	16.2#

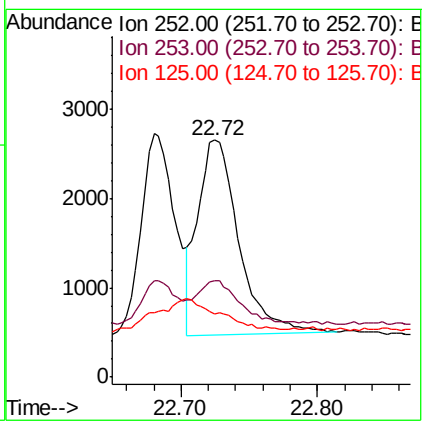


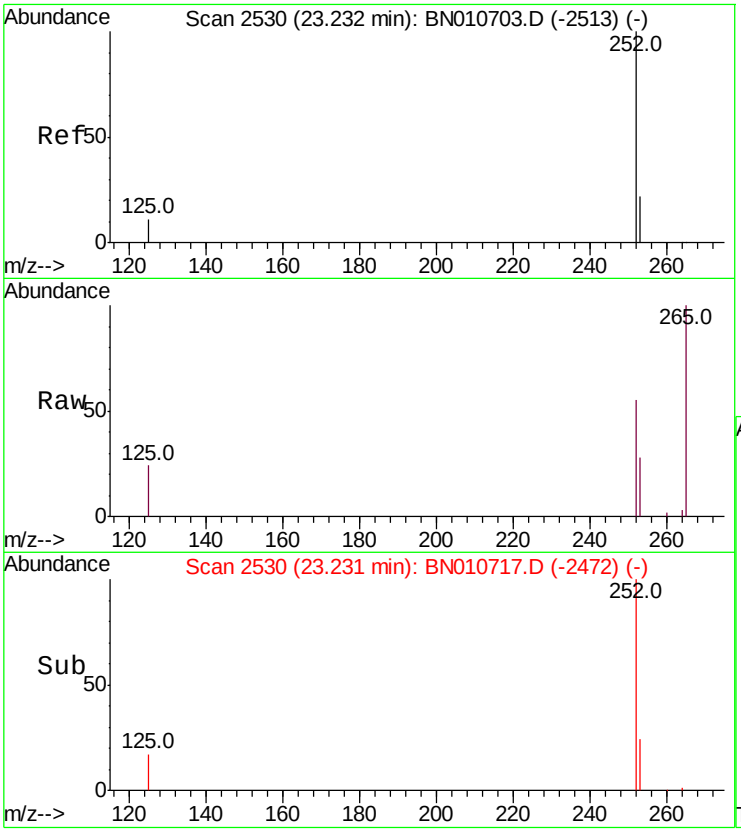


#36
Benzo(k)fluoranthene
Concen: 0.076 ng
RT: 22.72 min Scan# 2382
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:252 Resp: 4585

Ion	Ratio	Lower	Upper
252	100		
253	40.6	21.9	32.9#
125	26.8	11.1	16.7#



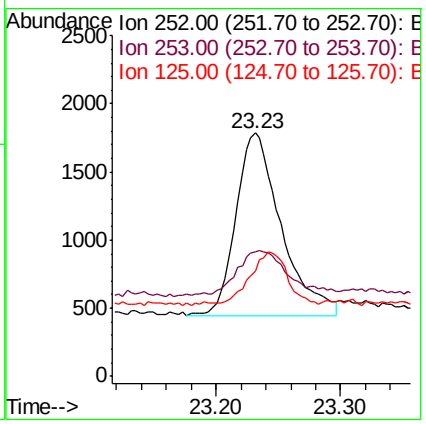


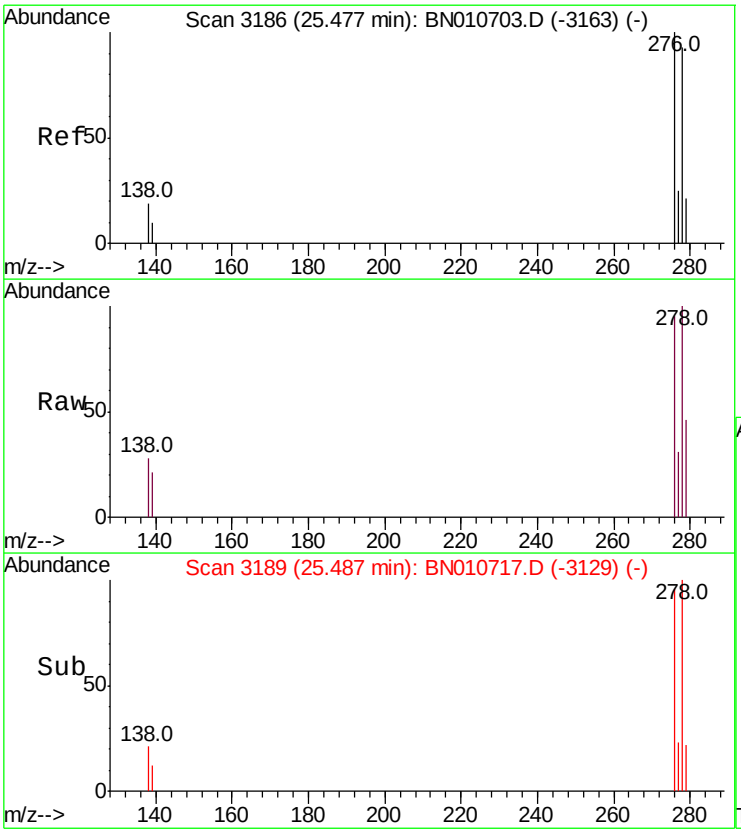
#37
Benzo(a)pyrene
Concen: 0.070 ng
RT: 23.23 min Scan# 2530
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:252 Resp: 3404

Ion	Ratio	Lower	Upper
252	100		
253	51.2	24.8	37.2#
125	43.5	15.8	23.6#

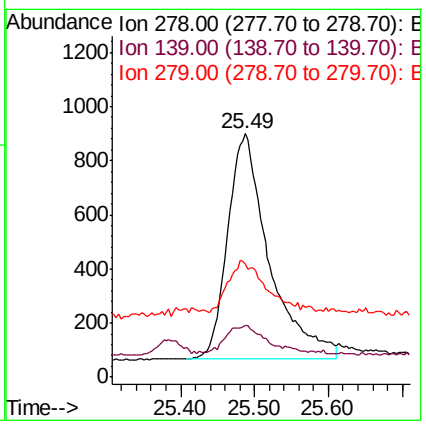


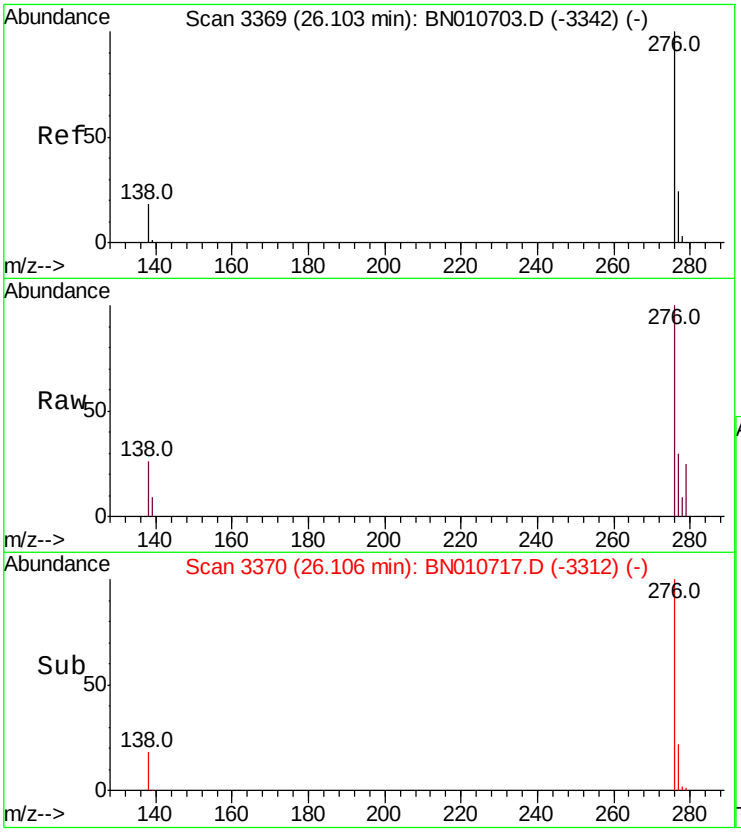


#38
Dibenzo(a,h)anthracene
Concen: 0.079 ng
RT: 25.49 min Scan# 3189
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:278 Resp: 3254

Ion	Ratio	Lower	Upper
278	100		
139	21.1	13.0	19.4#
279	46.4	25.1	37.7#





#39
Benzo(g,h,i)perylene
Concen: 0.080 ng
RT: 26.11 min Scan# 3370
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tgt Ion:276 Resp: 3865

Ion	Ratio	Lower	Upper
276	100		
277	29.6	20.6	30.8
138	25.6	16.0	24.0#