Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051520\
Data File : BN010728.D
Acq On : 15 May 2020 13:11
Operator : CG/JU
Sample : L2447-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PT-BNA-SOIL

Quant Time: May 15 13:41:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 15 10:34:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	8300	0.40	ng		0.00
7) Naphthalene-d8	10.33	136	17222	0.40	ng		0.00
13) Acenaphthene-d10	14.19	164	10588	0.40	ng		0.00
19) Phenanthrene-d10	16.94	188	24286	0.40	ng		0.00
27) Chrysene-d12	21.16	240	21371	0.40	ng		0.00
34) Perylene-d12	23.32	264	22270	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.21	112	1150124	70.78	ng		0.00
5) Phenol-d6	6.77	99	1581577	79.68	ng		0.00
8) Nitrobenzene-d5	8.71	82	1123245	93.93	ng		0.00
11) 2-Methylnaphthalene-d10	11.92	152	11	0.00	ng		0.00
14) 2,4,6-Tribromophenol	15.70	330	779197	202.95	ng		0.00
15) 2-Fluorobiphenyl	12.82	172	3134875	80.70	ng		0.00
25) Fluoranthene-d10	18.99	212	36	0.00	ng		0.00
29) Terphenyl-d14	19.60	244	4167137	82.19	ng		0.00
Target Compounds							Qvalue
6) bis(2-Chloroethyl)ether	7.01	93	1258235	61.526	ng		95
9) Naphthalene	10.38	128	15419	0.356	ng		99
10) Hexachlorobutadiene	10.68	225	1814740	183.159	ng	#	98
12) 2-Methylnaphthalene	11.99	142	978635	32.051	ng		98
16) Acenaphthylene	13.91	152	3267977	75.562	ng		99
17) Acenaphthene	14.26	154	908446	31.089	ng		96
18) Fluorene	15.25	166	2446	0.064	ng	#	1
20) 4-Bromophenyl-phenylether	16.16	248	1784162	133.014	ng	#	84
21) Hexachlorobenzene	16.26	284	377	0.024	ng	#	55
22) Pentachlorophenol	16.61	266	119	0.024	ng	#	80
23) Phenanthrene	16.99	178	46306	0.711	ng		100
24) Anthracene	17.07	178	4551	0.083	ng	#	96
26) Fluoranthene	19.01	202	99357	1.343	ng		98
28) Pyrene	19.38	202	89781	1.172	ng	#	95
30) Benzo(a)anthracene	21.14	228	2926971	46.956	ng		99
31) Chrysene	21.20	228	2884855	40.878	ng		100
32) Bis(2-ethylhexyl)phthalate	21.10	149	6940321	254.217	ng		94
33) Indeno(1,2,3-cd)pyrene	25.46	276	4047560	64.483	ng		99
35) Benzo(b)fluoranthene	22.68	252	45835	0.623	ng		97
36) Benzo(k)fluoranthene	22.68	252	45835	0.578	ng		97
37) Benzo(a)pyrene	23.22	252	29493	0.463	ng		92
38) Dibenzo(a,h)anthracene	25.46	278	116463	2.139	ng	#	68
39) Benzo(g,h,i)perylene	26.11	276	2747030	43.024	ng		97

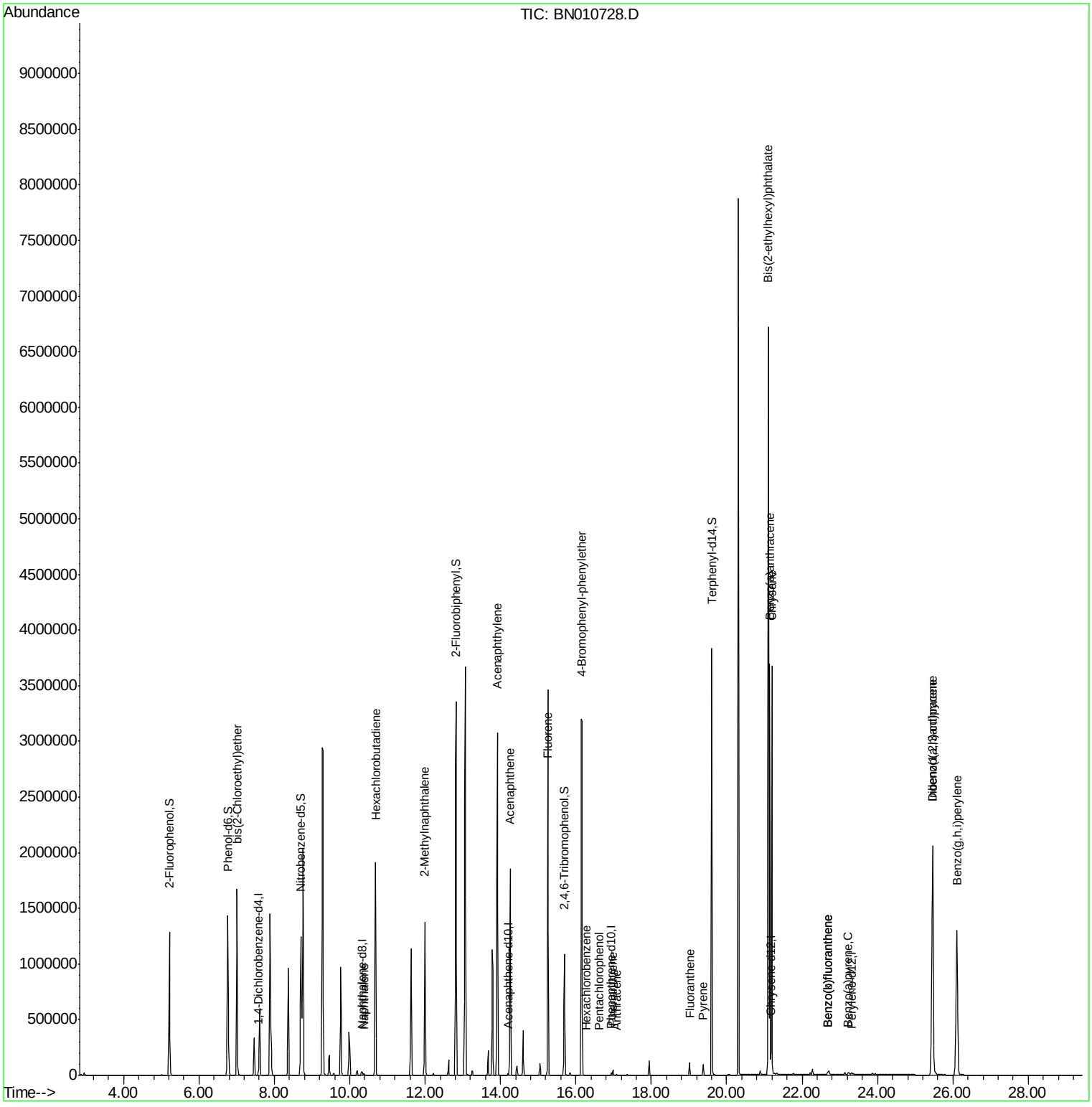
(#) = qualifier out of range (m) = manual integration (+) = signals summed

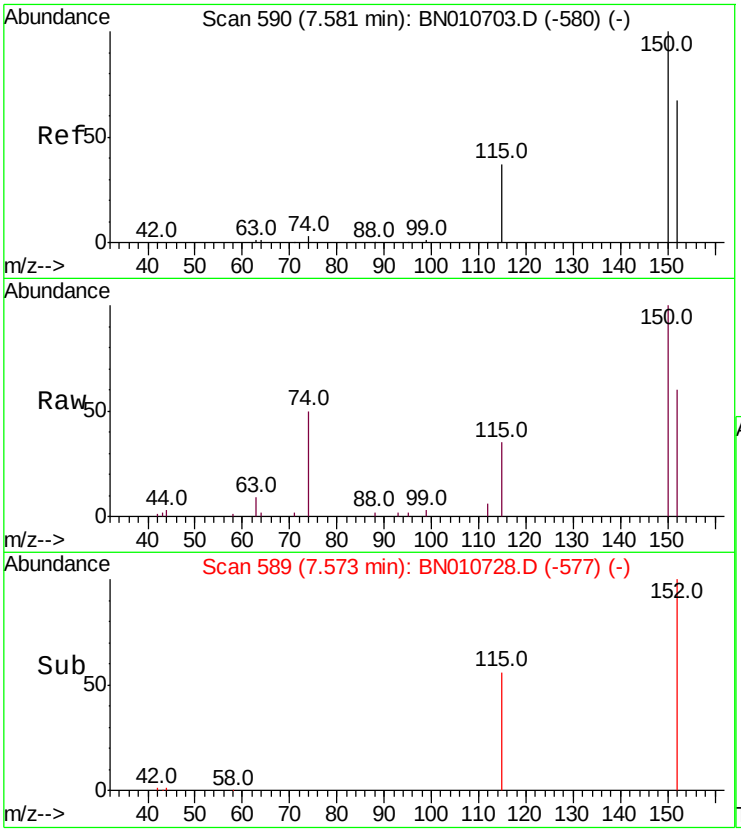
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051520\
Data File : BN010728.D
Acq On : 15 May 2020 13:11
Operator : CG/JU
Sample : L2447-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Quant Time: May 15 13:41:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 15 10:34:23 2020
Response via : Initial Calibration



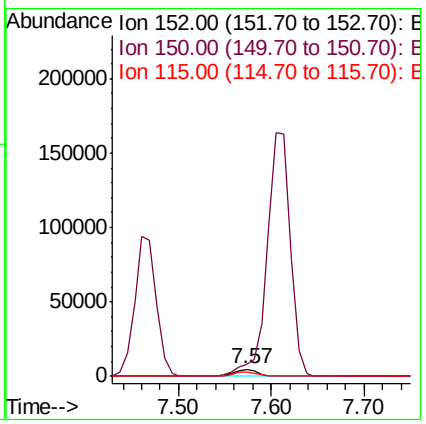


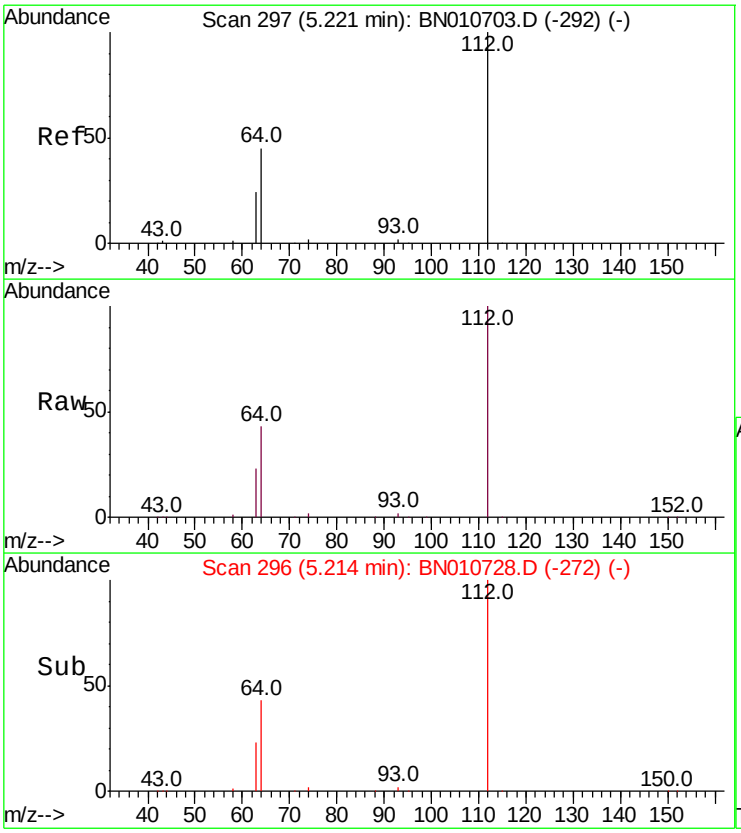
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.57 min Scan# 589
Delta R.T. 0.00 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:152 Resp: 8300

Ion	Ratio	Lower	Upper
152	100		
150	167.7	119.4	179.0
115	58.4	45.9	68.9

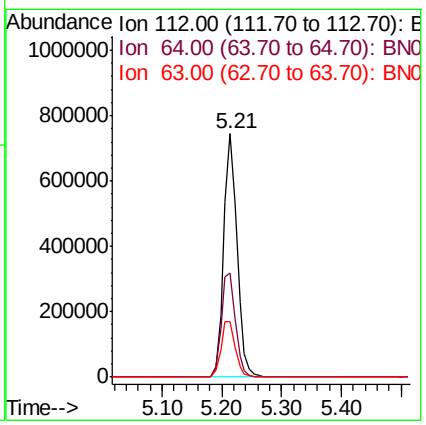


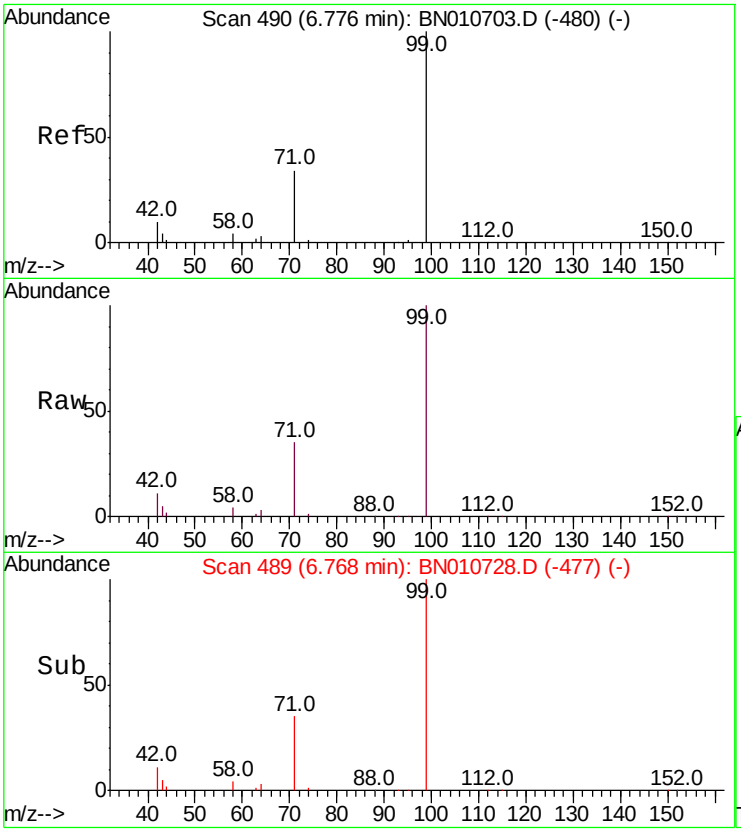


#4
2-Fluorophenol
Concen: 70.780 ng
RT: 5.21 min Scan# 296
Delta R.T. -0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion:112 Resp: 1150124

Ion	Ratio	Lower	Upper
112	100		
64	45.8	36.2	54.4
63	24.6	19.8	29.8



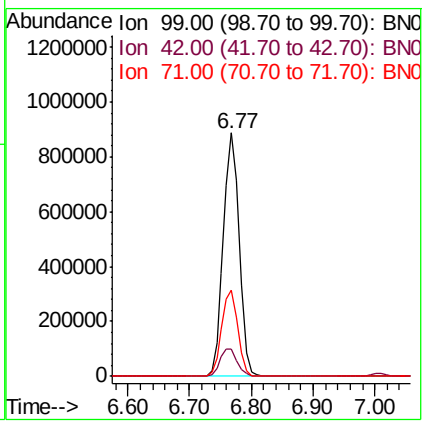


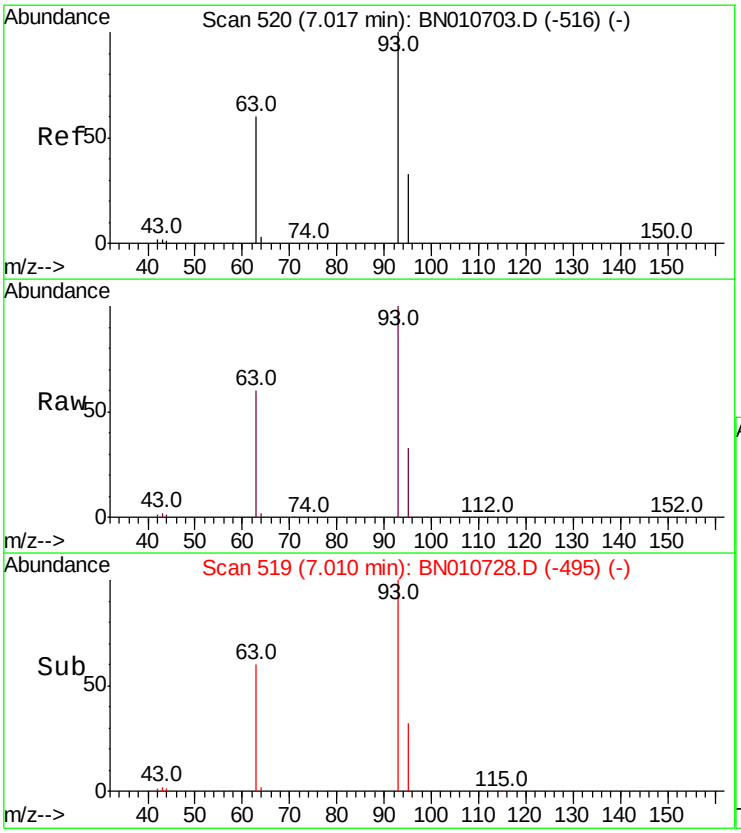
#5
Phenol-d6
Concen: 79.675 ng
RT: 6.77 min Scan# 489
Delta R.T. 0.00 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion: 99 Resp: 1581577

Ion	Ratio	Lower	Upper
99	100		
42	12.4	9.8	14.8
71	35.8	28.6	42.8

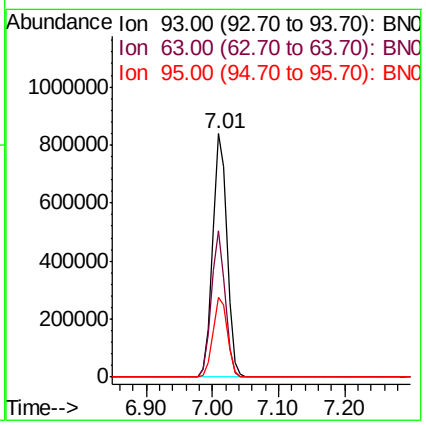


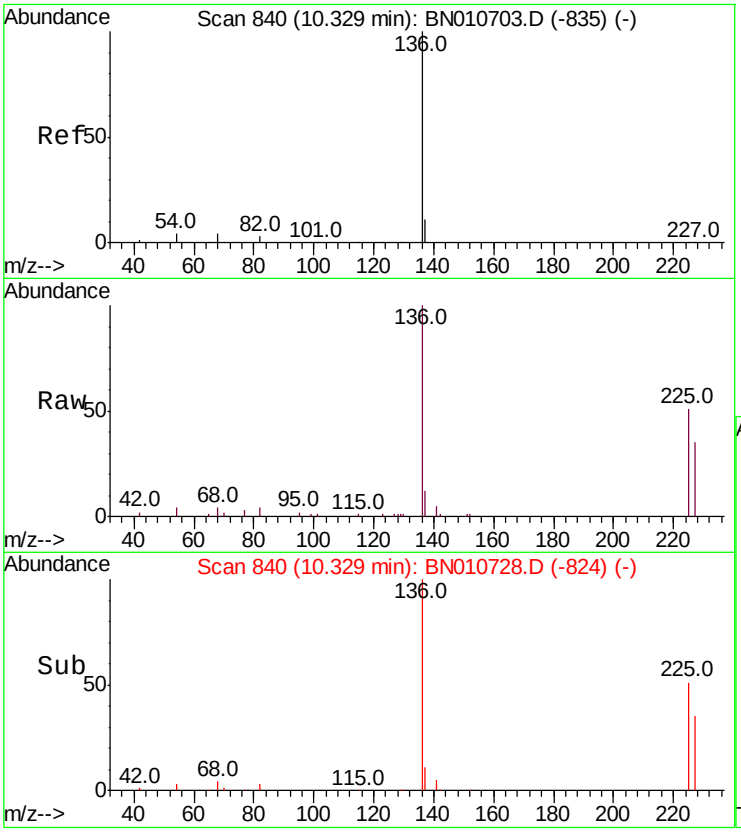


#6
bis(2-Chloroethyl)ether
Concen: 61.526 ng
RT: 7.01 min Scan# 519
Delta R.T. -0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion: 93 Resp: 1258235

Ion	Ratio	Lower	Upper
93	100		
63	58.1	43.1	64.7
95	33.0	24.6	37.0



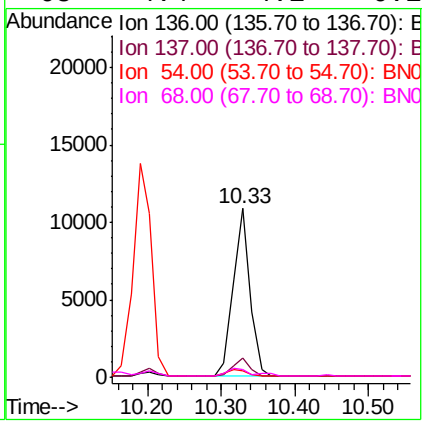


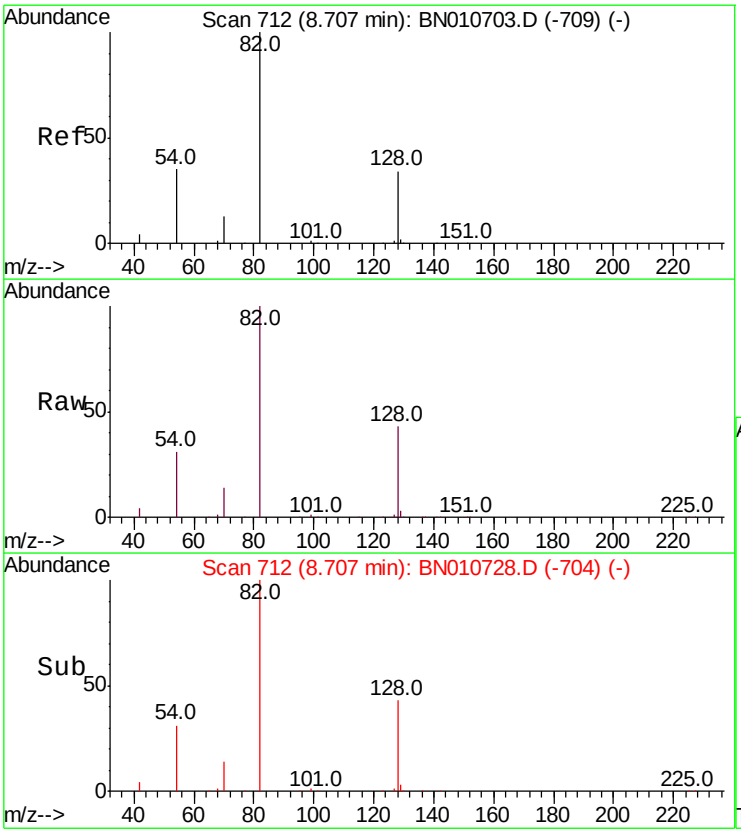
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.33 min Scan# 840
Delta R.T. 0.00 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:136 Resp: 17222

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	3.6	3.6	5.4#
68	4.4	4.1	6.1

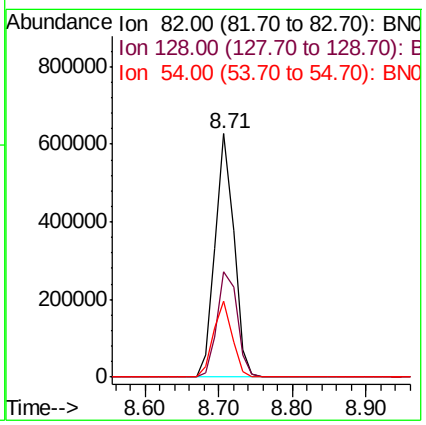


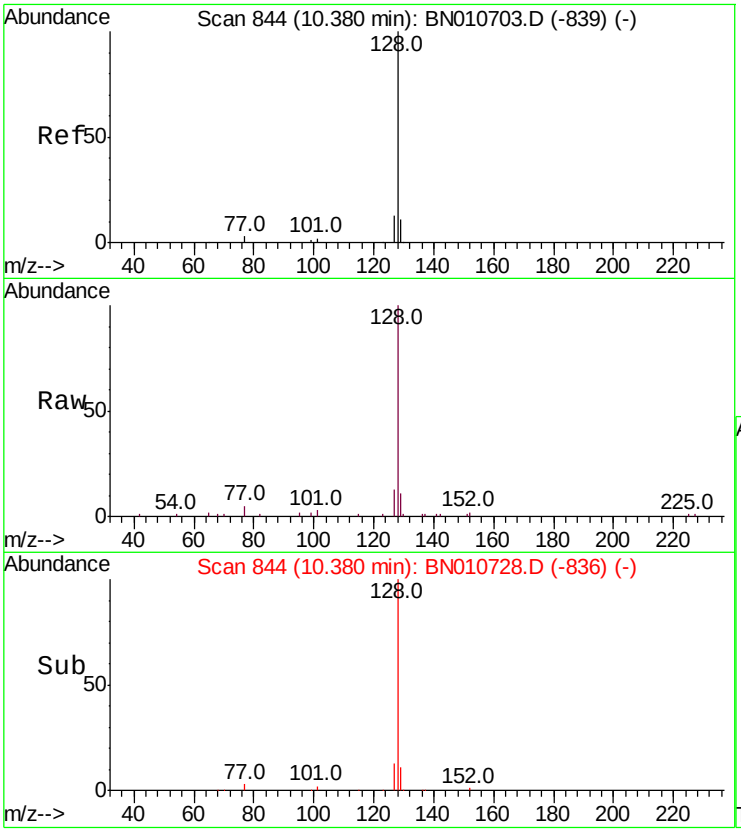


#8
Nitrobenzene-d5
Concen: 93.927 ng
RT: 8.71 min Scan# 712
Delta R.T. 0.00 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion: 82 Resp: 1123245

Ion	Ratio	Lower	Upper
82	100		
128	43.2	29.0	43.4
54	31.0	29.3	43.9

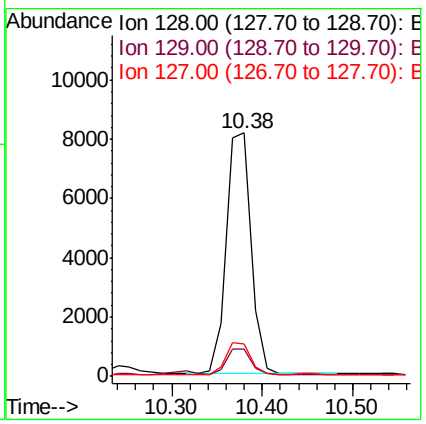




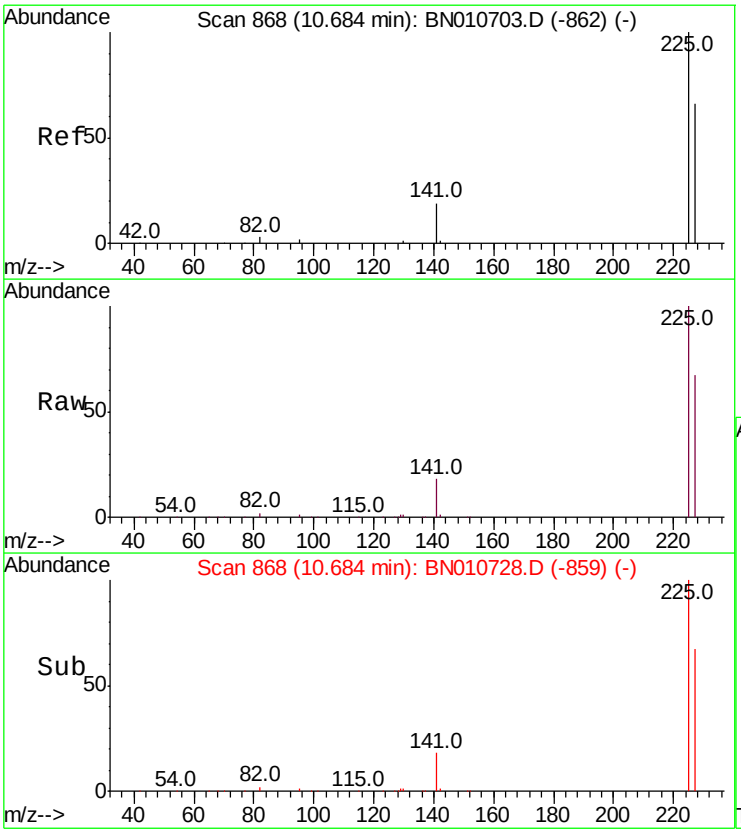
#9
Naphthalene
Concen: 0.356 ng
RT: 10.38 min Scan# 844
Delta R.T. 0.00 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion:128 Resp: 15419

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	13.3	11.0	16.6



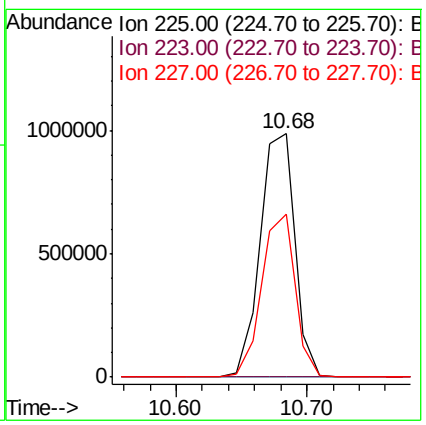
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

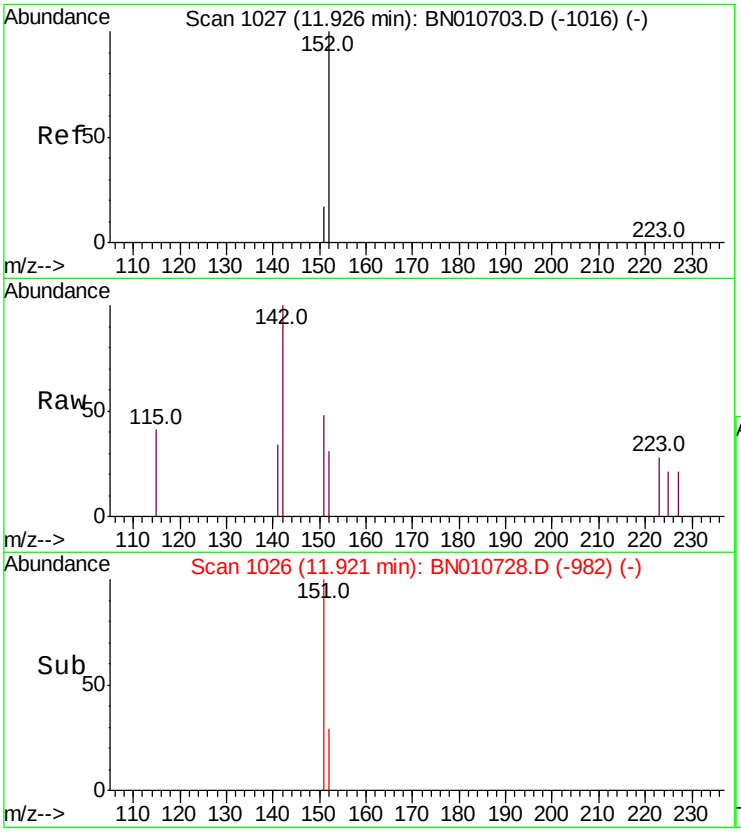


#10
Hexachlorobutadiene
Concen: 183.159 ng
RT: 10.68 min Scan# 868
Delta R.T. 0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion:225 Resp: 1814740

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.6	50.7	76.1



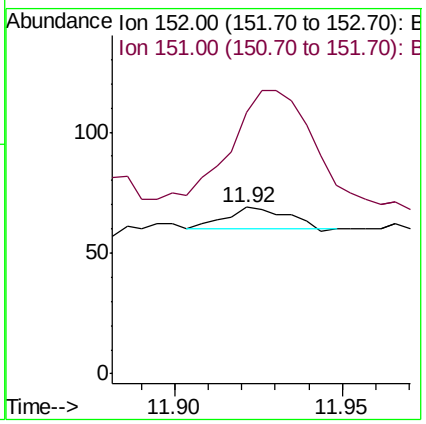


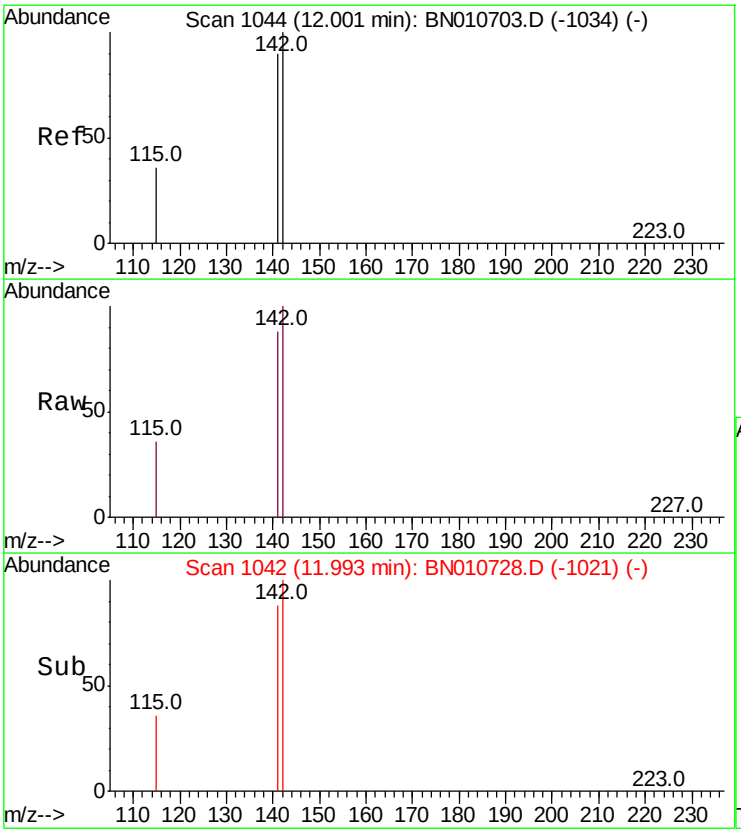
#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 11.92 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:152 Resp: 11

Ion	Ratio	Lower	Upper
152	100		
151	890.9	15.0	22.6#

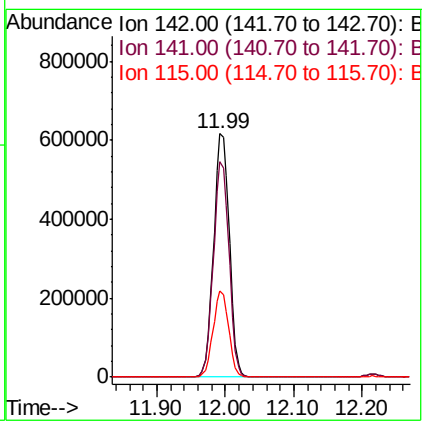


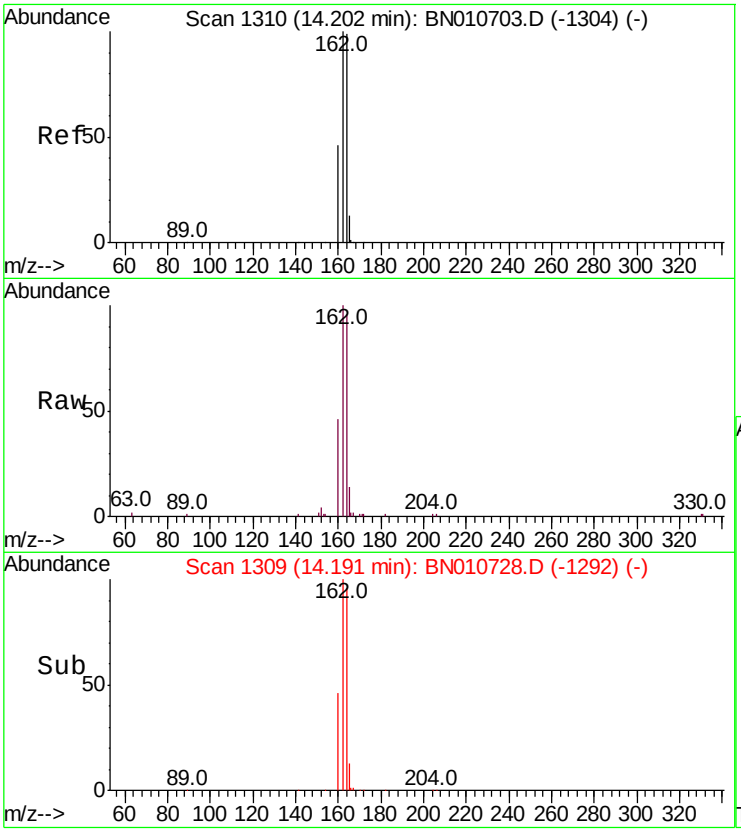


#12
2-Methylnaphthalene
Concen: 32.051 ng
RT: 11.99 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion:142 Resp: 978635

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.7	107.5
115	35.5	29.8	44.6



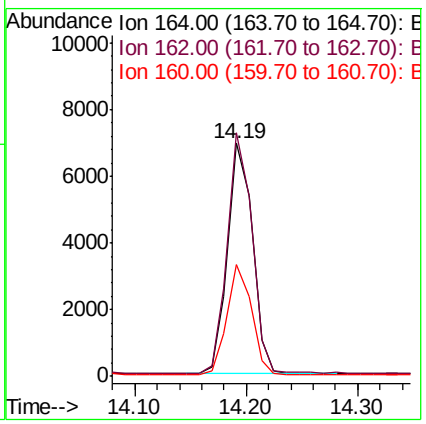


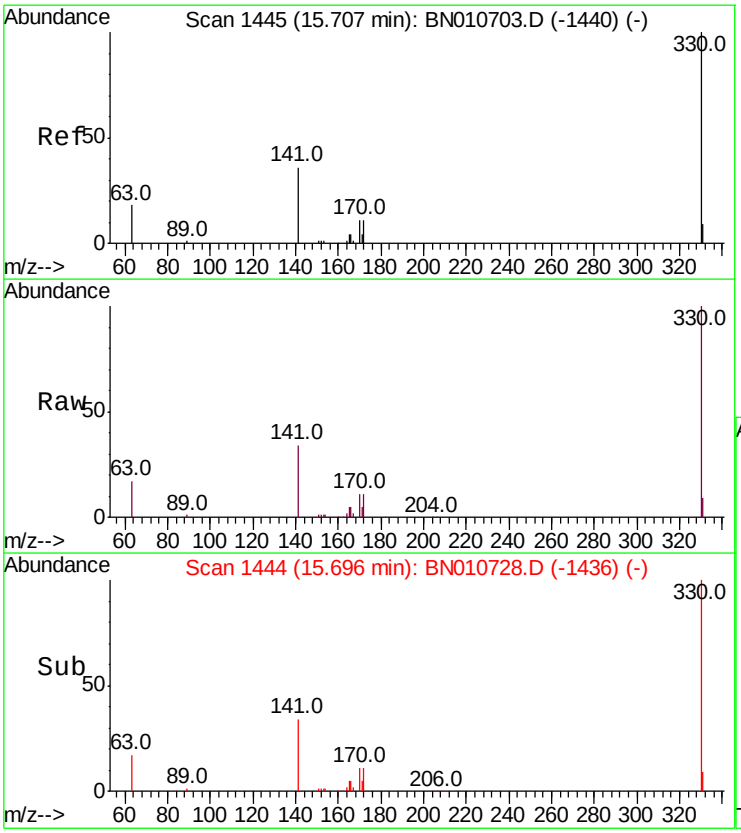
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.19 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:164 Resp: 10588

Ion	Ratio	Lower	Upper
164	100		
162	104.5	81.1	121.7
160	47.9	37.9	56.9

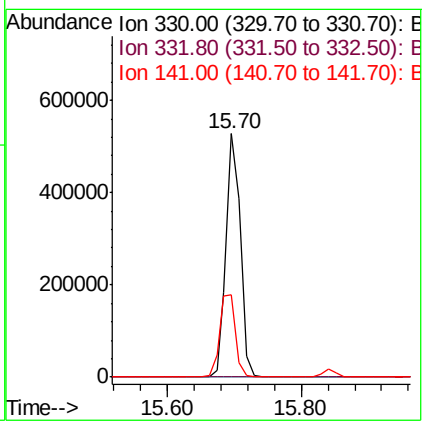


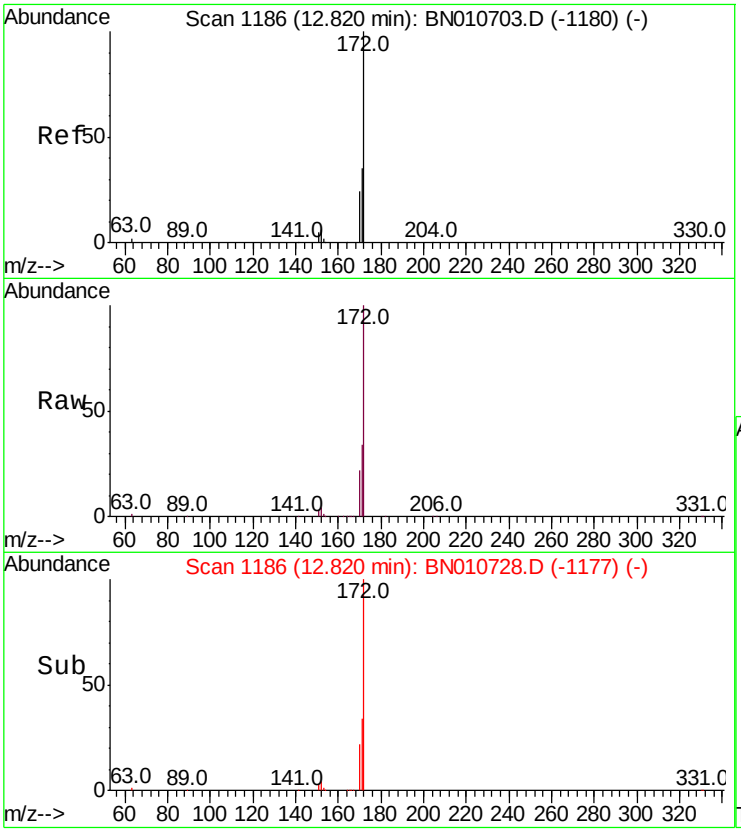


#14
2,4,6-Tribromophenol
Concen: 202.948 ng
RT: 15.70 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion:330 Resp: 779197

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.9	28.8	43.2



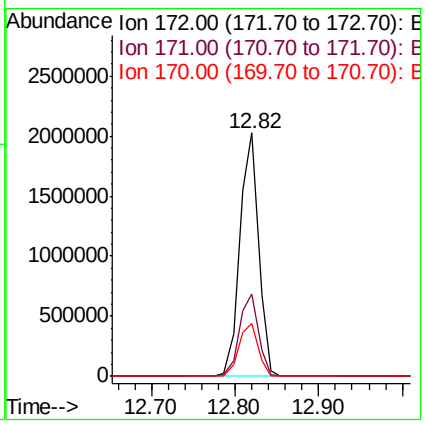


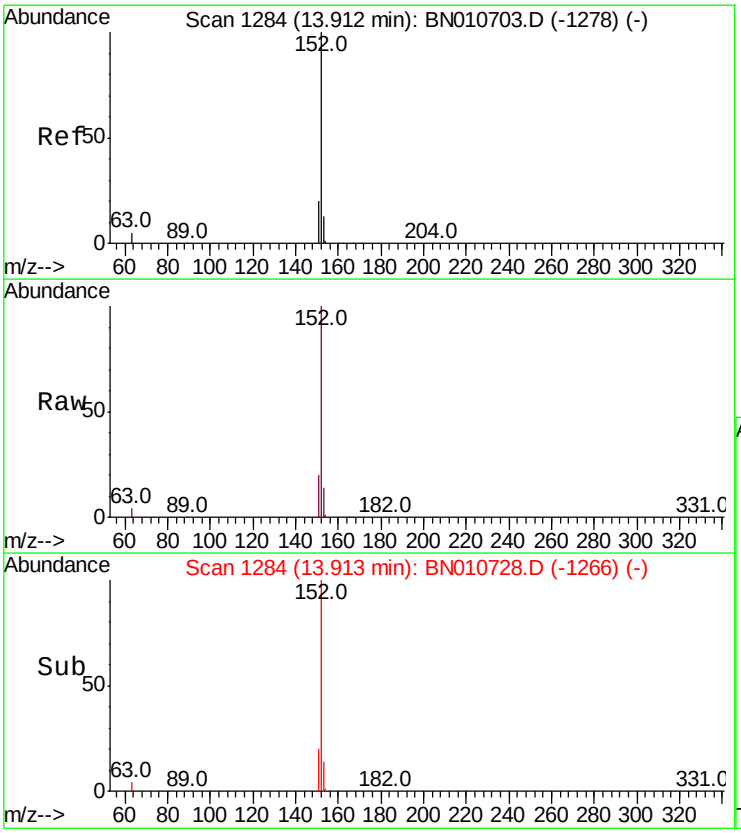
#15
2-Fluorobiphenyl
Concen: 80.701 ng
RT: 12.82 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:172 Resp: 3134875

Ion	Ratio	Lower	Upper
172	100		
171	33.7	28.6	42.8
170	21.7	19.8	29.8

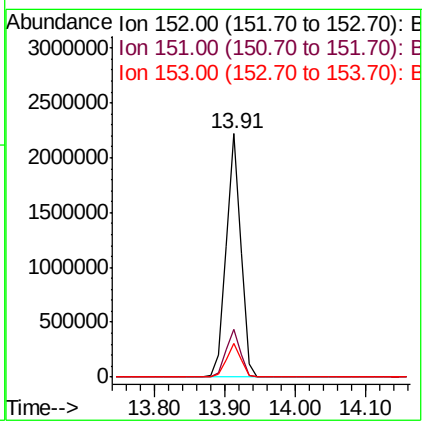


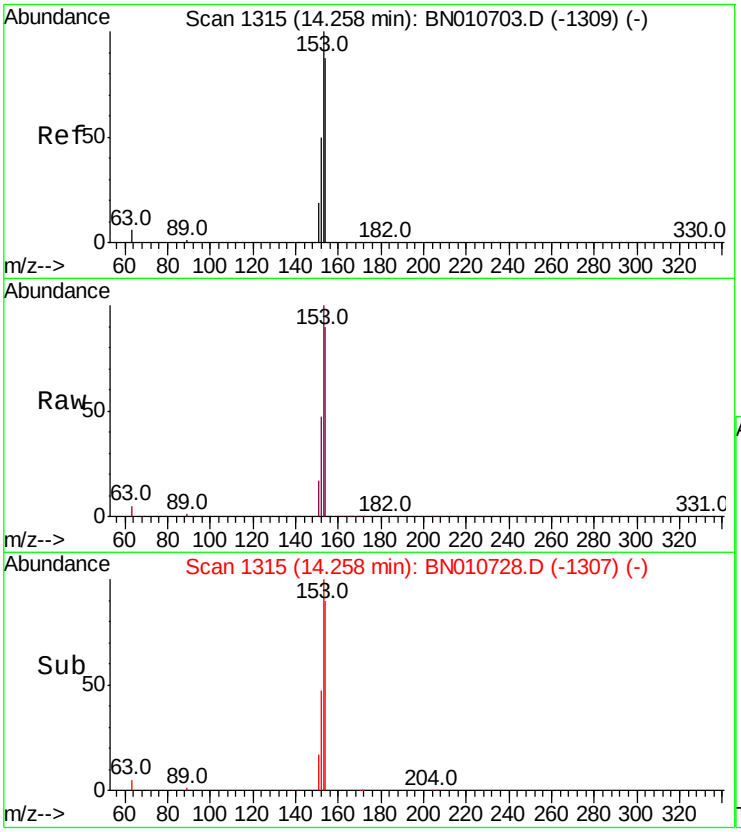


#16
Acenaphthylene
Concen: 75.562 ng
RT: 13.91 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion:152 Resp: 3267977

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.6	23.4
153	13.5	10.4	15.6



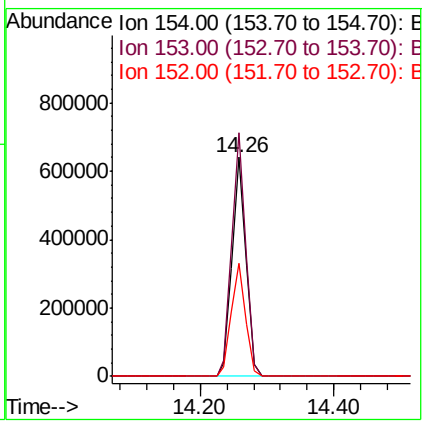


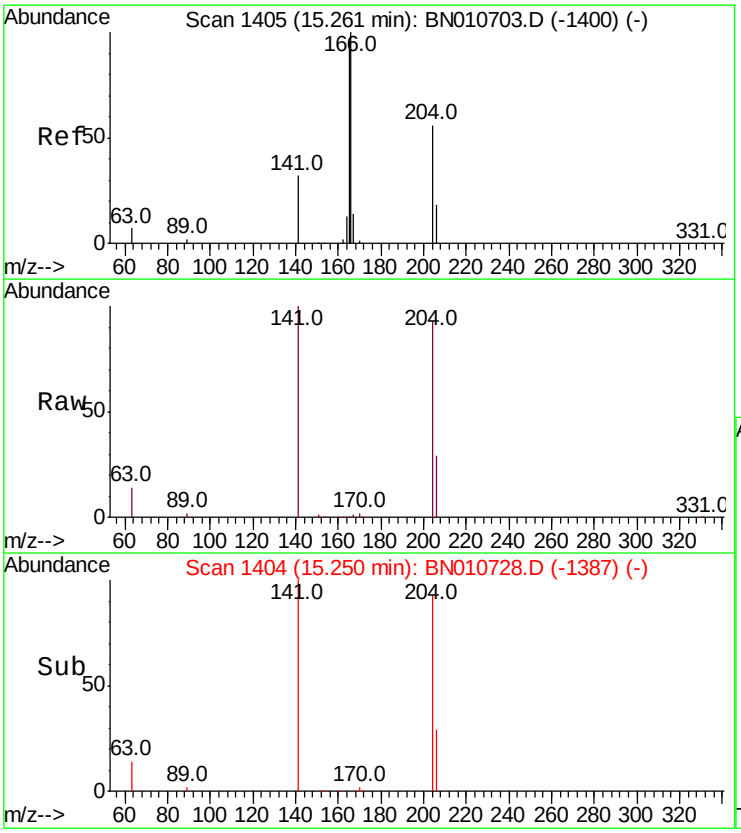
#17
Acenaphthene
Concen: 31.089 ng
RT: 14.26 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:154 Resp: 908446

Ion	Ratio	Lower	Upper
154	100		
153	111.6	91.5	137.3
152	52.5	45.6	68.4

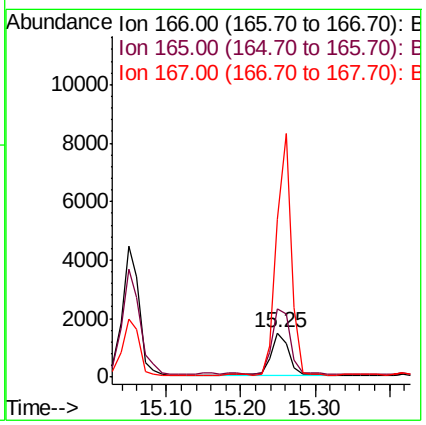


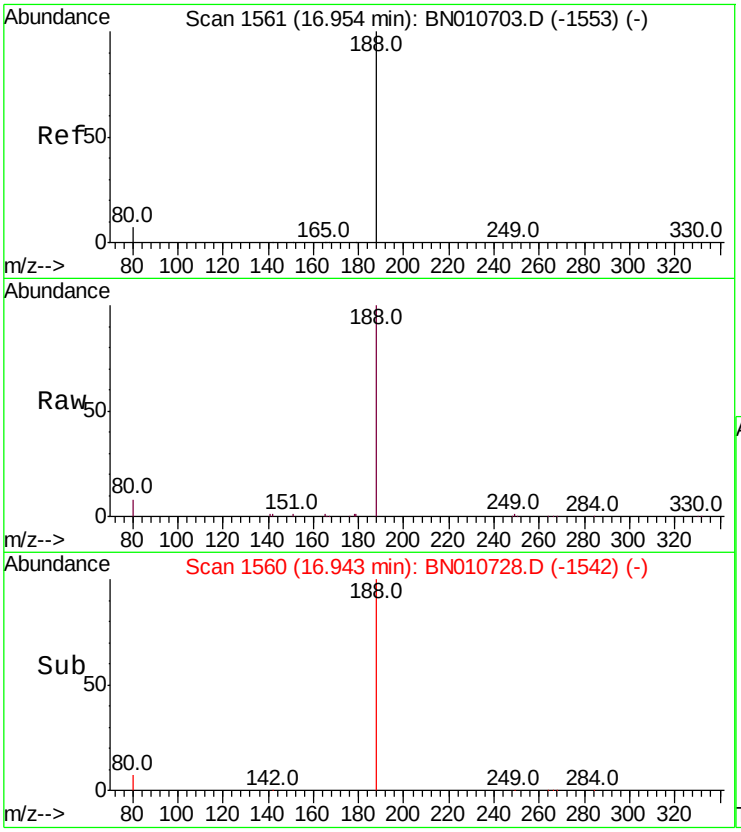


#18
Fluorene
Concen: 0.064 ng
RT: 15.25 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion:166 Resp: 2446

Ion	Ratio	Lower	Upper
166	100		
165	157.0	77.9	116.9#
167	467.0	11.0	16.4#



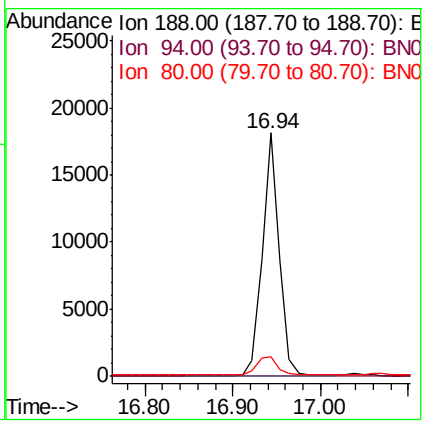


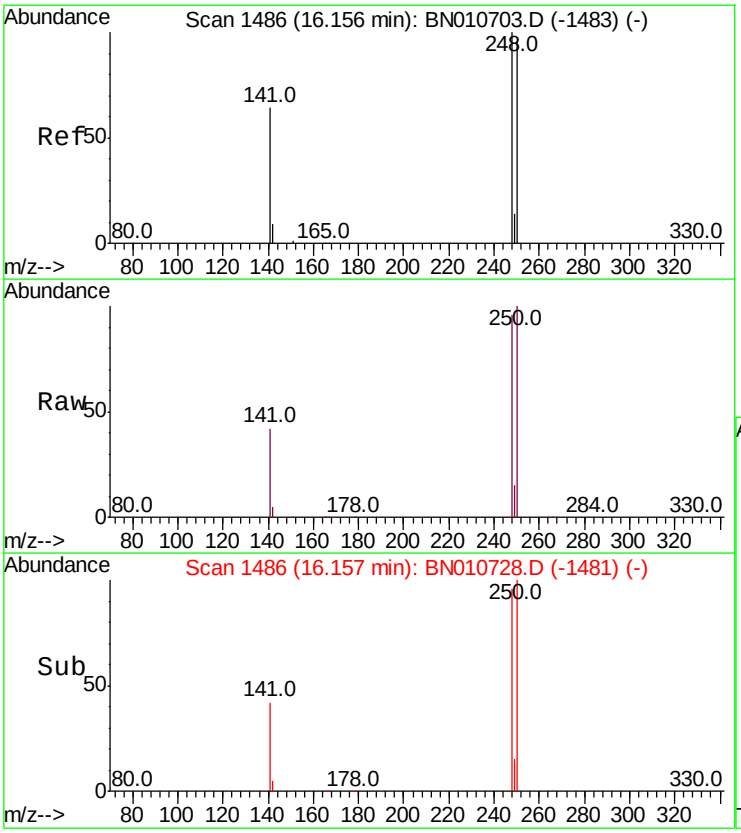
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.94 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:188 Resp: 24286

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

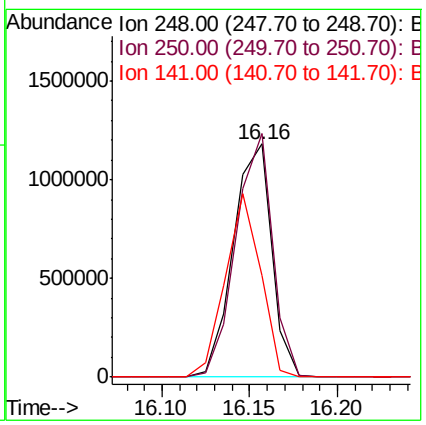


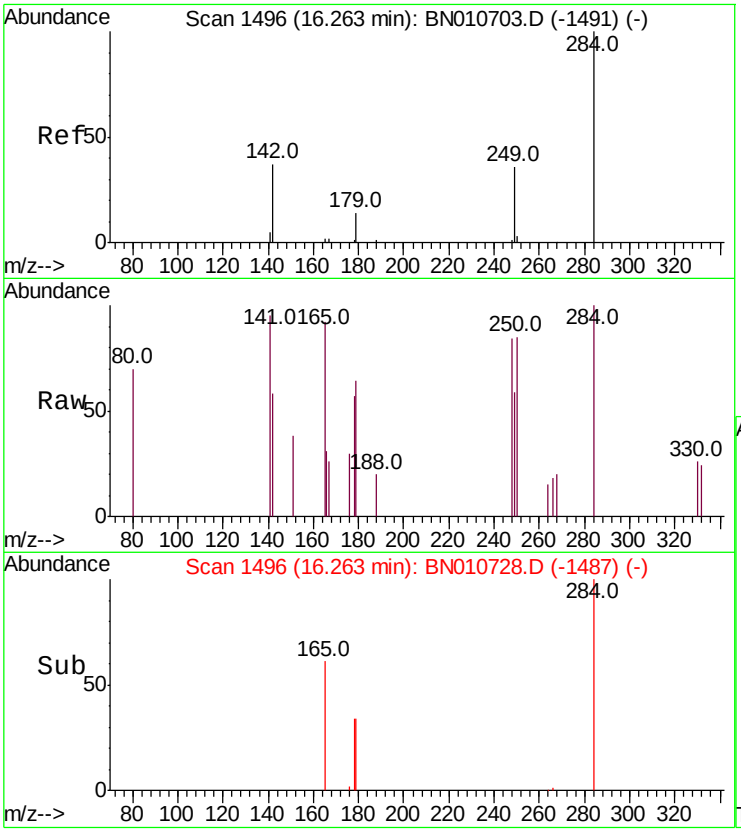


#20
4-Bromophenyl-phenylether
Concen: 133.014 ng
RT: 16.16 min Scan# 1486
Delta R.T. 0.00 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion:248 Resp: 1784162

Ion	Ratio	Lower	Upper
248	100		
250	104.5	77.4	116.0
141	43.5	53.1	79.7#



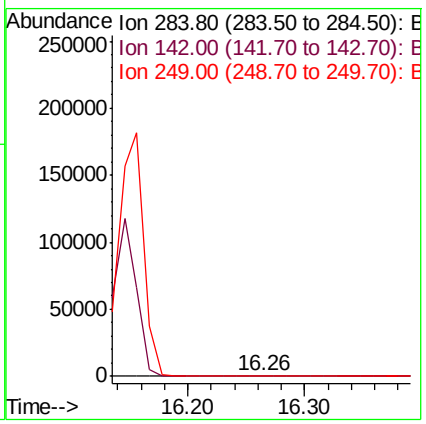


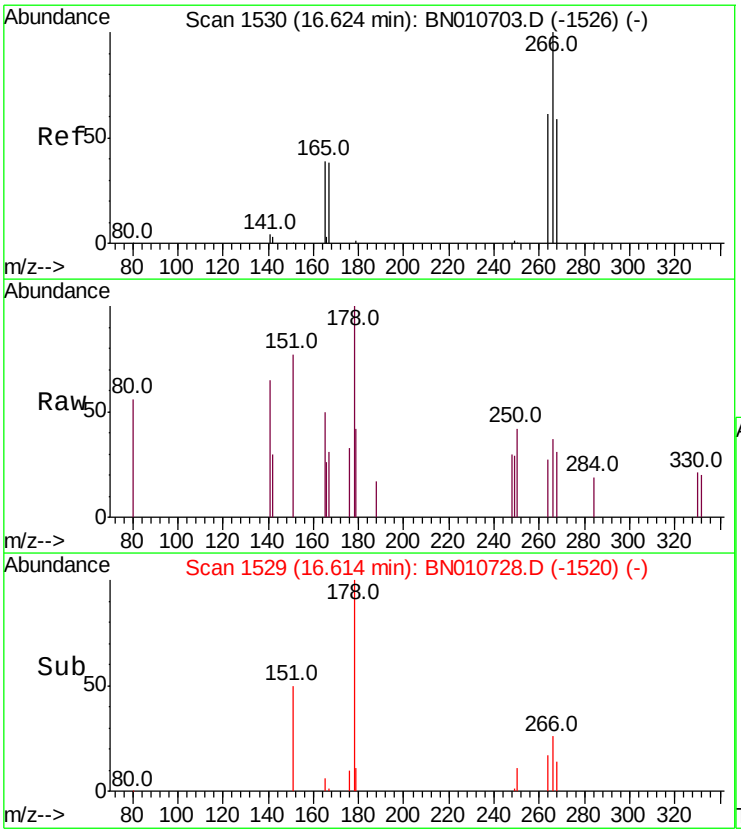
#21
Hexachlorobenzene
Concen: 0.024 ng
RT: 16.26 min Scan# 1496
Delta R.T. -0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:284 Resp: 377

Ion	Ratio	Lower	Upper
284	100		
142	53.6	28.2	42.2#
249	0.0	26.4	39.6#

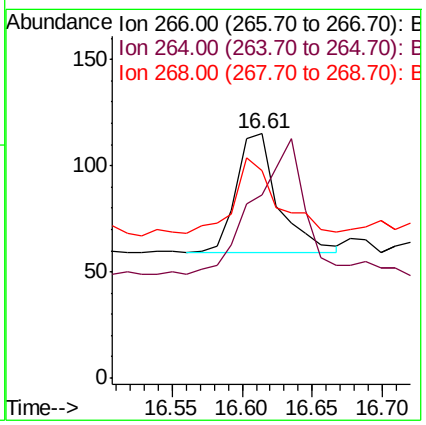


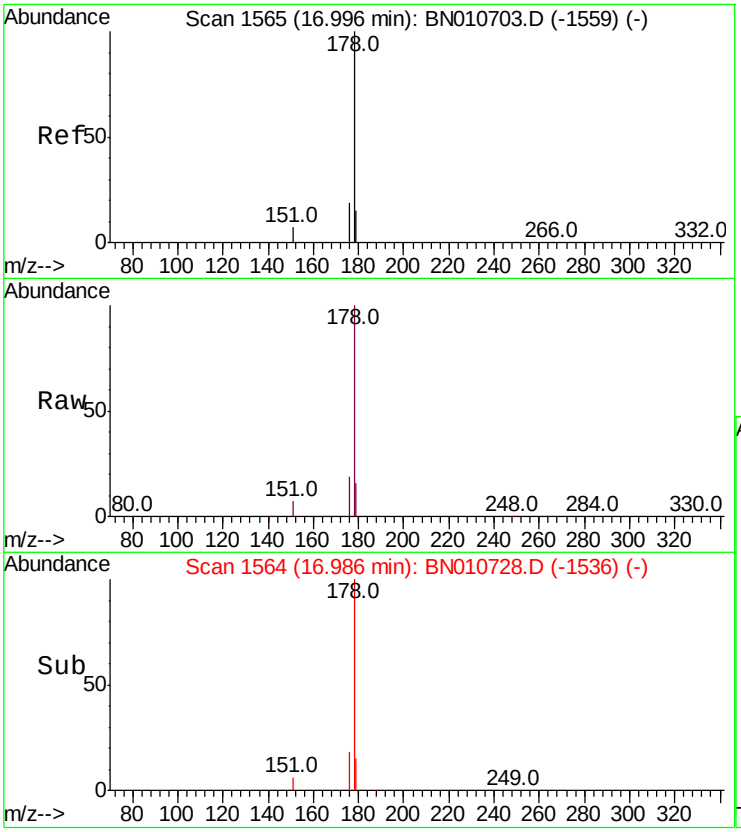


#22
Pentachlorophenol
Concen: 0.024 ng
RT: 16.61 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion:266 Resp: 119

Ion	Ratio	Lower	Upper
266	100		
264	74.8	51.1	76.7
268	85.2	52.1	78.1#



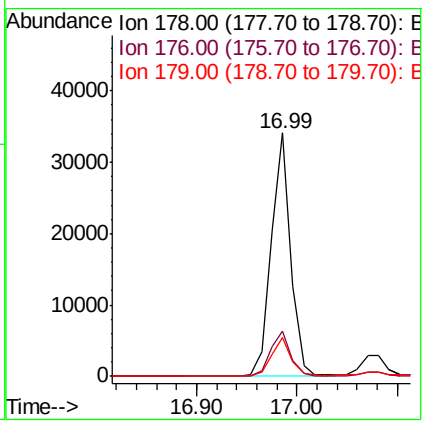


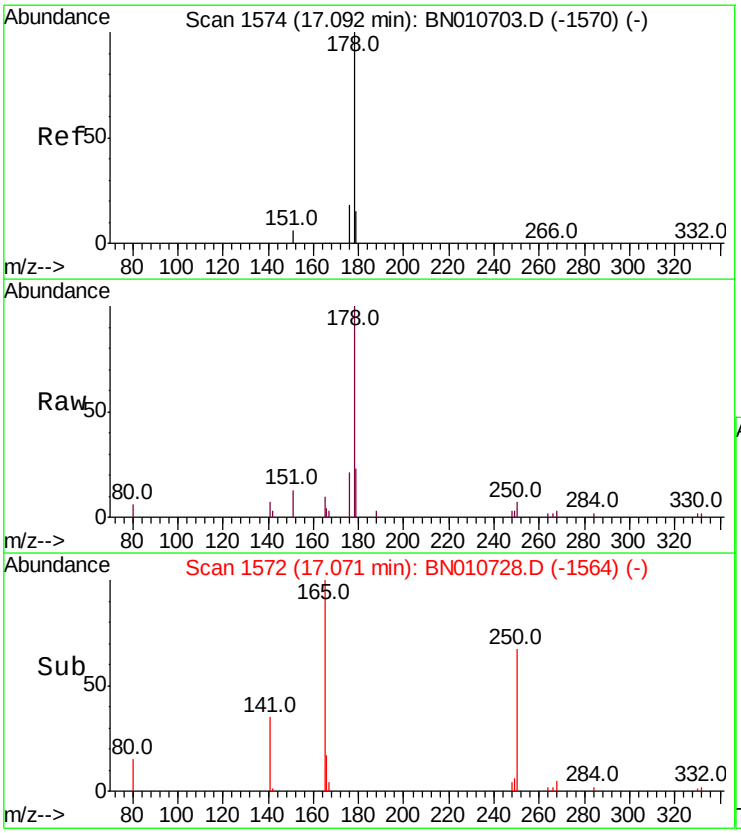
#23
Phenanthrene
Concen: 0.711 ng
RT: 16.99 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:178 Resp: 46306

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.5	12.2	18.4

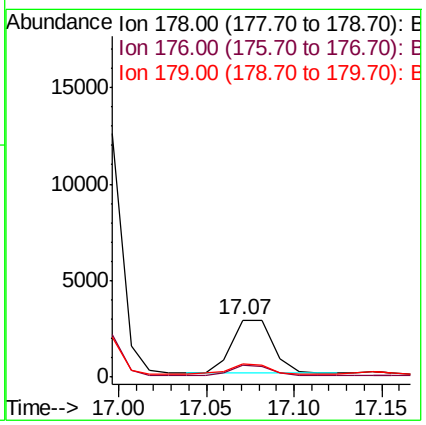


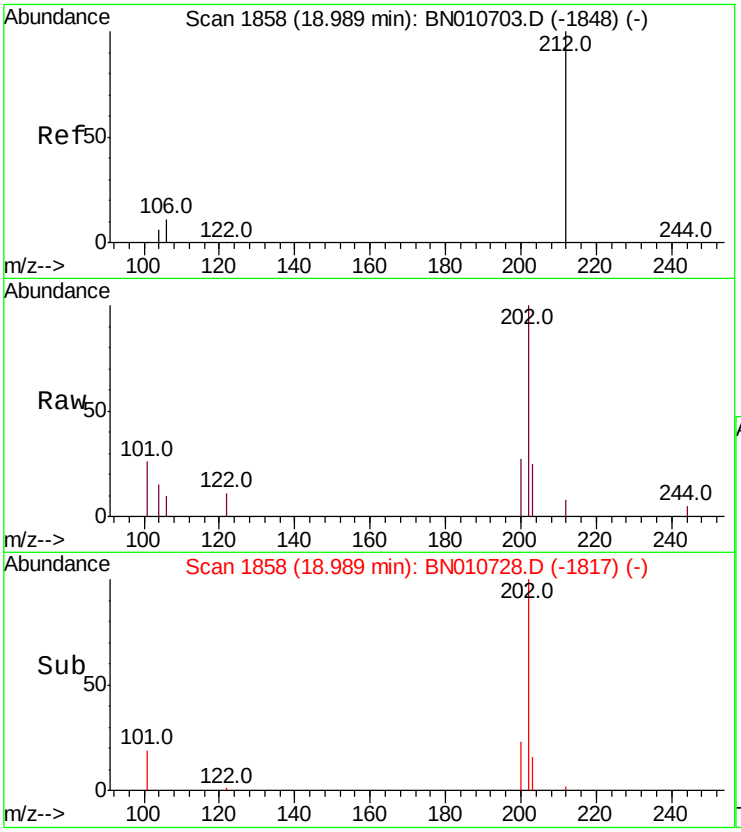


#24
Anthracene
Concen: 0.083 ng
RT: 17.07 min Scan# 1572
Delta R.T. -0.02 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion:178 Resp: 4551

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	19.0	12.3	18.5#



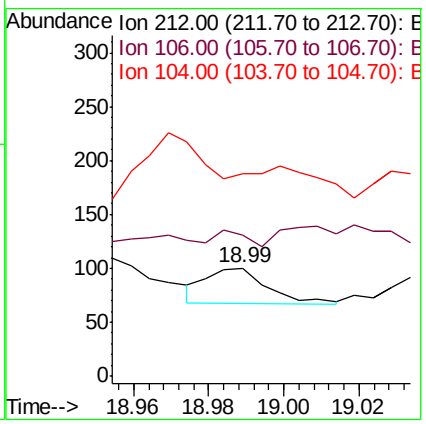


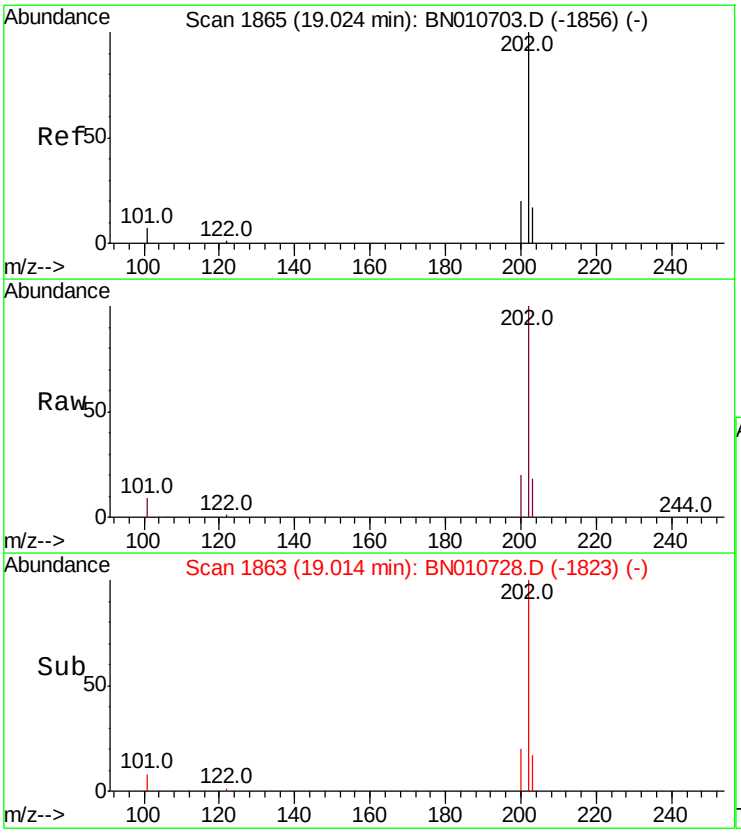
#25
Fluoranthene-d10
Concen: 0.001 ng
RT: 18.99 min Scan# 1858
Delta R.T. 0.00 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:212 Resp: 36

Ion	Ratio	Lower	Upper
212	100		
106	22.2	8.2	12.2#
104	0.0	4.7	7.1#

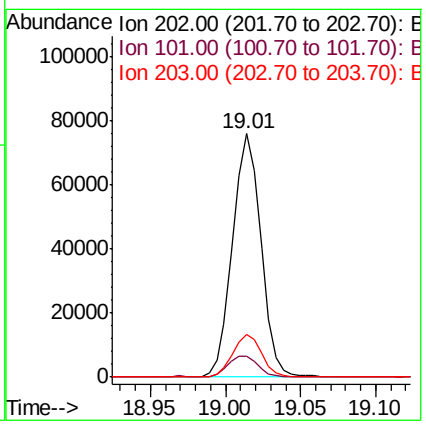


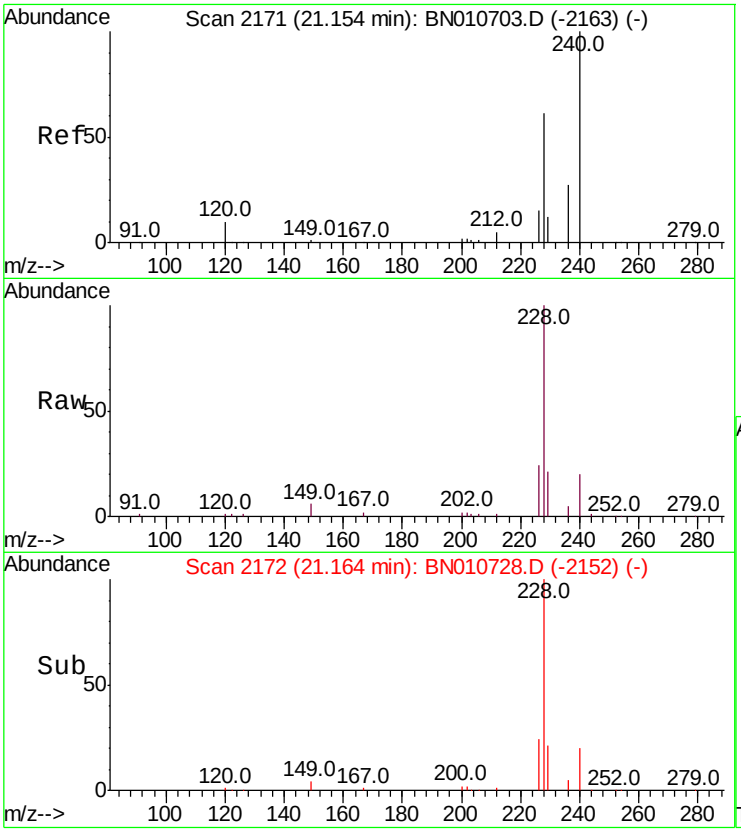


#26
Fluoranthene
Concen: 1.343 ng
RT: 19.01 min Scan# 1863
Delta R.T. -0.00 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion:202 Resp: 99357

Ion	Ratio	Lower	Upper
202	100		
101	8.8	6.7	10.1
203	17.4	13.4	20.0



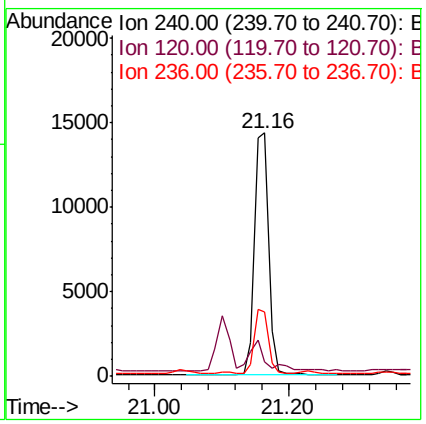


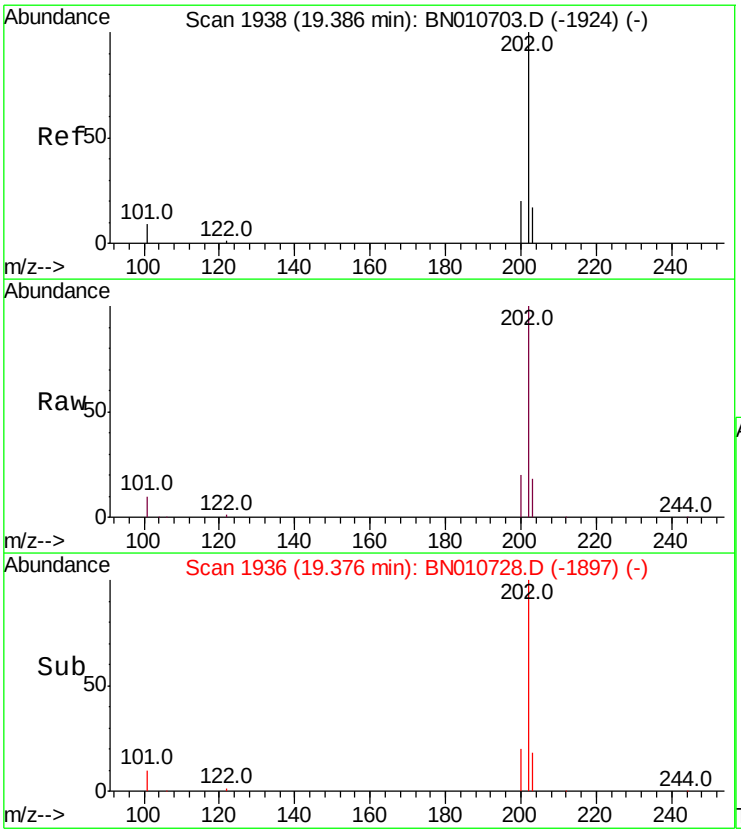
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.16 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:240 Resp: 21371

Ion	Ratio	Lower	Upper
240	100		
120	6.0	9.5	14.3#
236	26.5	22.5	33.7

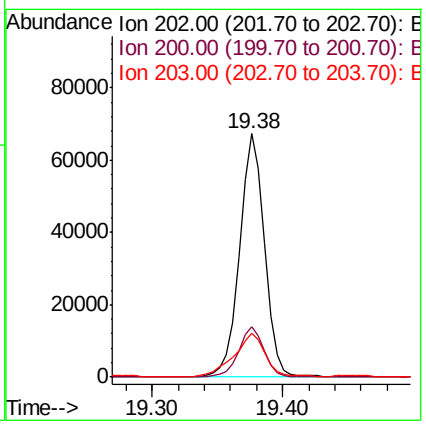


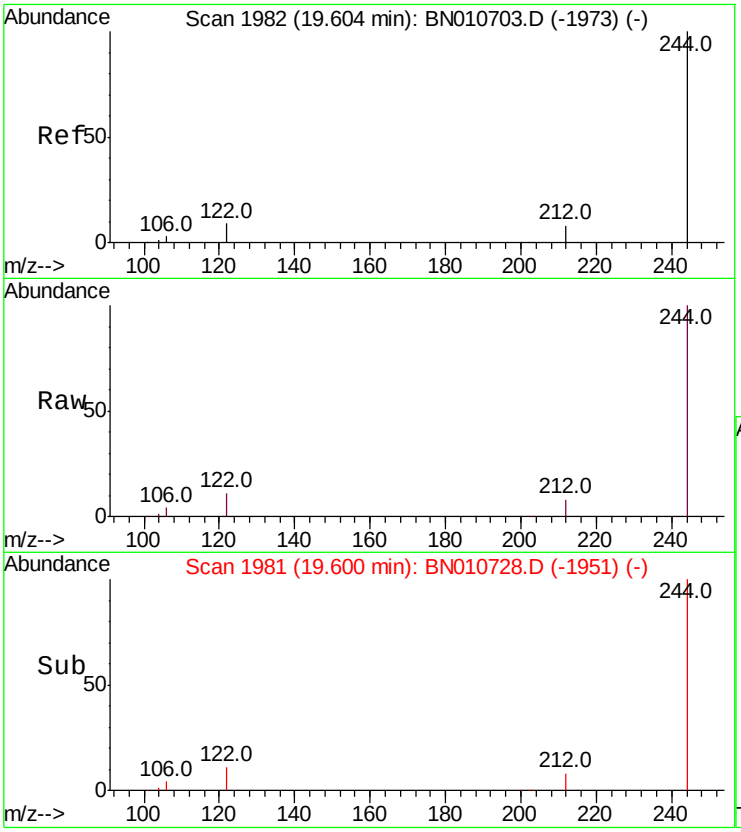


#28
Pyrene
Concen: 1.172 ng
RT: 19.38 min Scan# 1936
Delta R.T. -0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion:202 Resp: 89781

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.4
203	22.1	14.1	21.1#



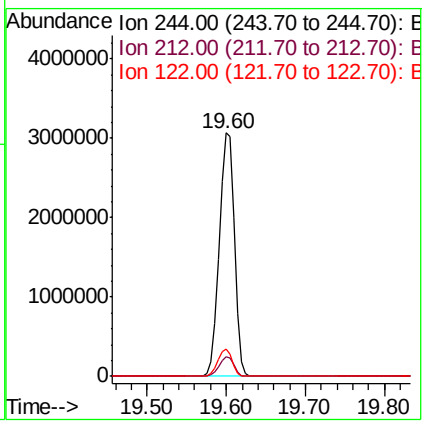


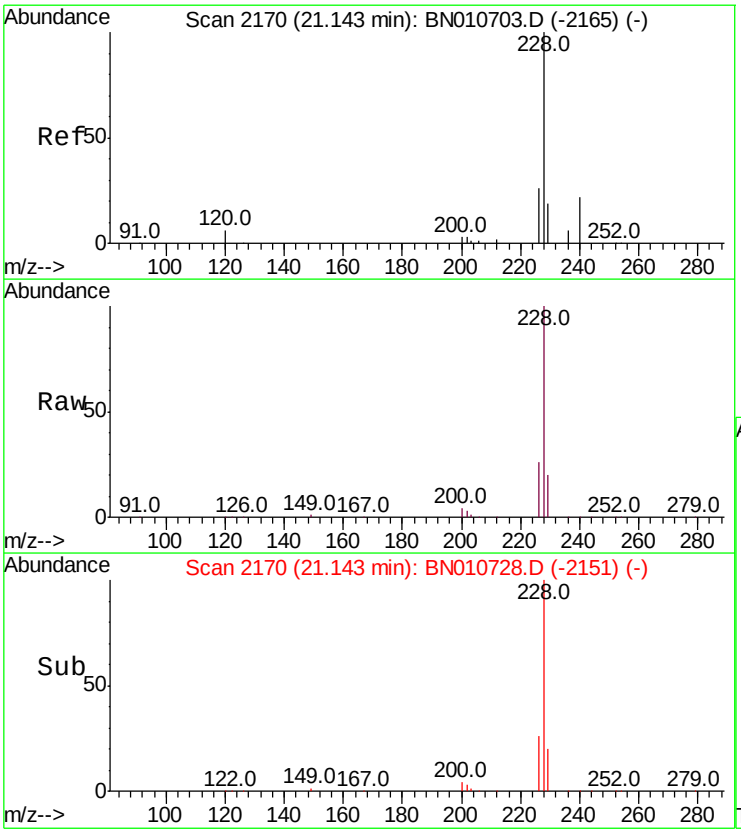
#29
Terphenyl-d14
Concen: 82.194 ng
RT: 19.60 min Scan# 1981
Delta R.T. -0.00 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:244 Resp: 4167137

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.8	10.2
122	11.4	8.1	12.1

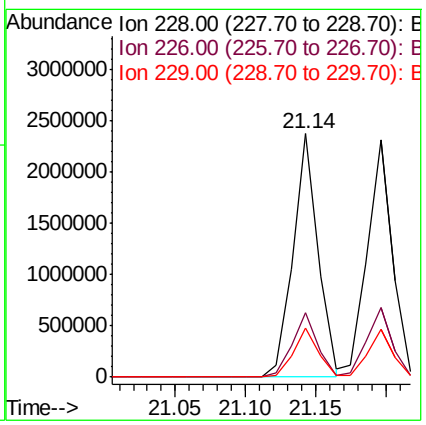


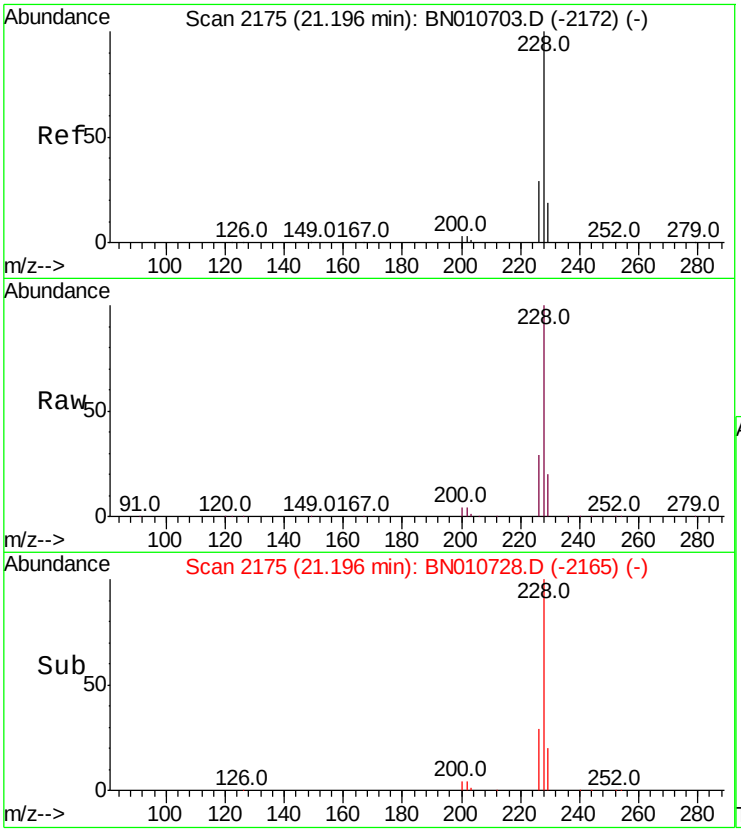


#30
Benzo(a)anthracene
Concen: 46.956 ng
RT: 21.14 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion:228 Resp: 2926971

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.3	31.9
229	20.3	16.0	24.0



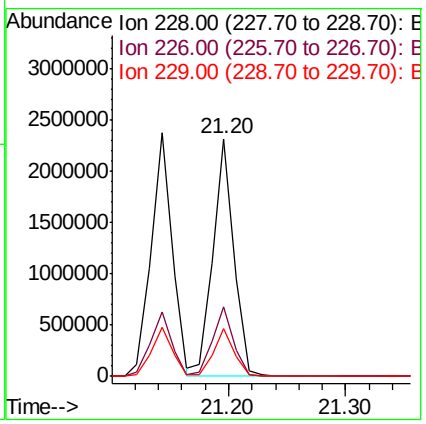


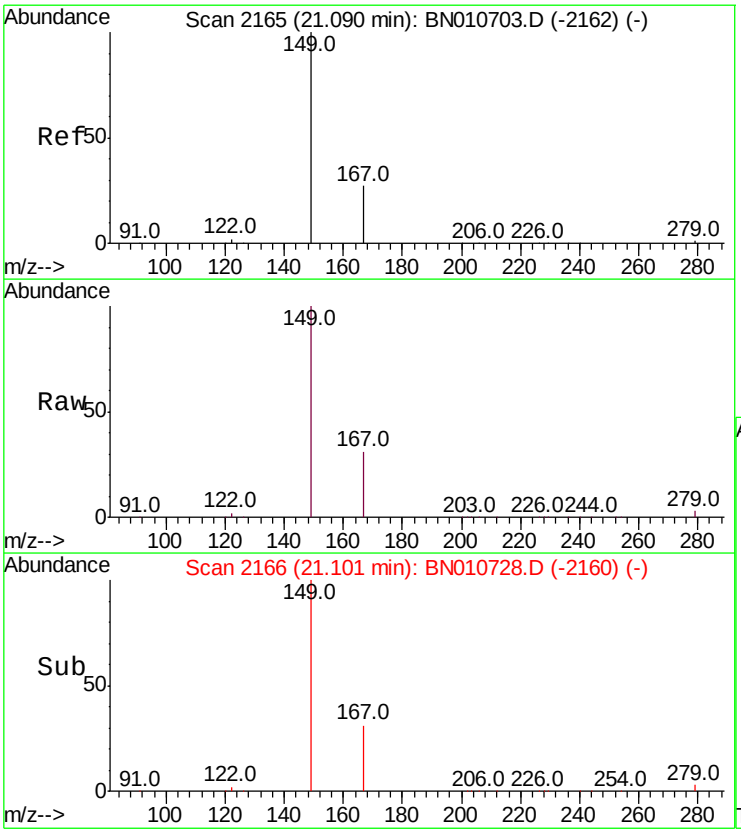
#31
Chrysene
Concen: 40.878 ng
RT: 21.20 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:228 Resp: 2884855

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.4	35.0
229	20.3	16.1	24.1

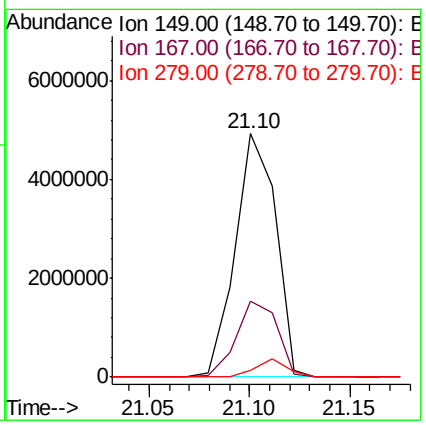


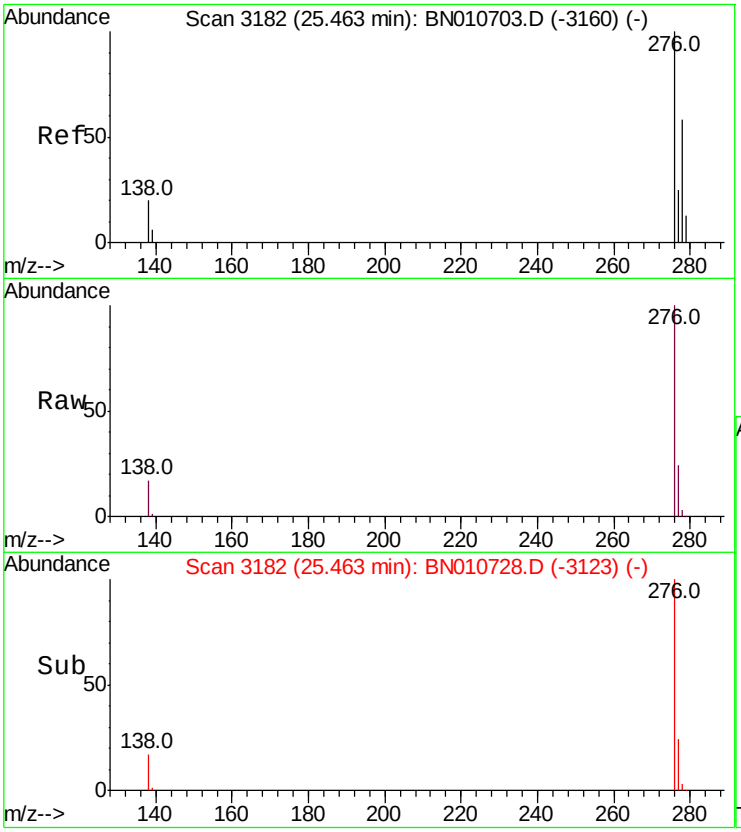


#32
Bis(2-ethylhexyl)phthalate
Concen: 254.217 ng
RT: 21.10 min Scan# 2166
Delta R.T. 0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion:149 Resp: 6940321

Ion	Ratio	Lower	Upper
149	100		
167	31.4	22.5	33.7
279	5.7	4.1	6.1



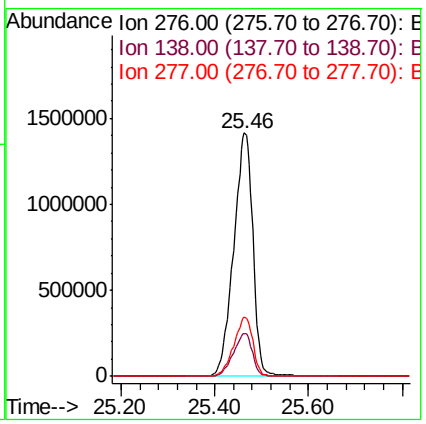


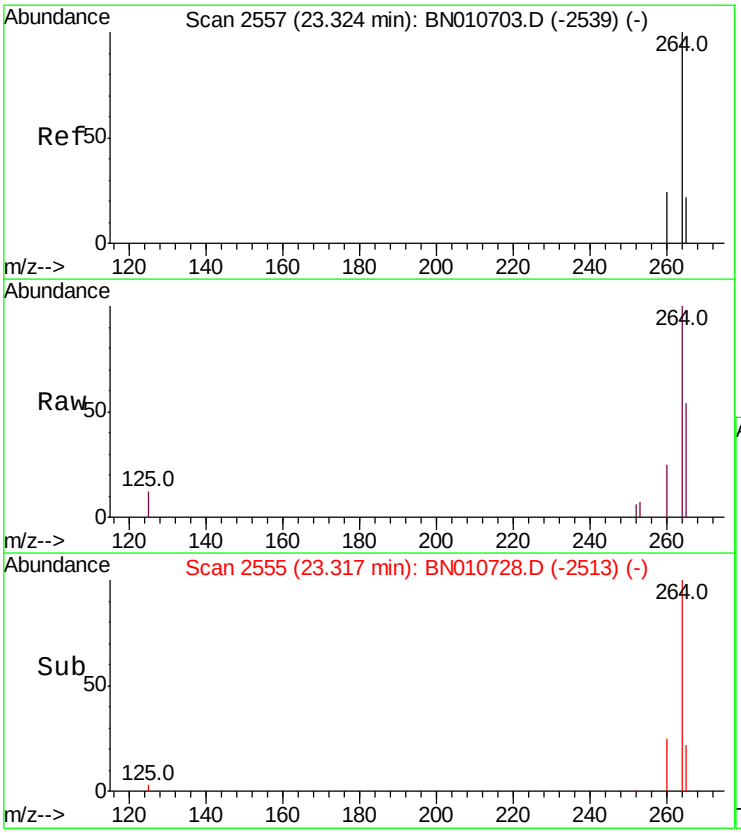
#33
Indeno(1,2,3-cd)pyrene
Concen: 64.483 ng
RT: 25.46 min Scan# 3182
Delta R.T. 0.00 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:276 Resp: 4047560

Ion	Ratio	Lower	Upper
276	100		
138	17.6	15.1	22.7
277	24.1	19.4	29.0

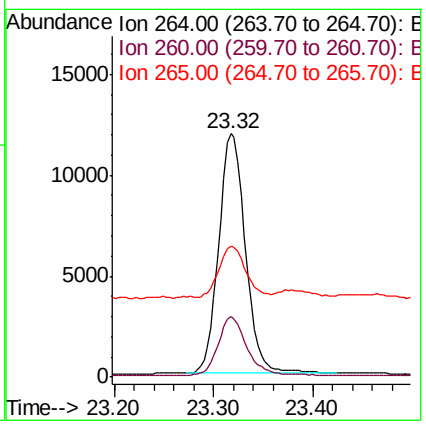


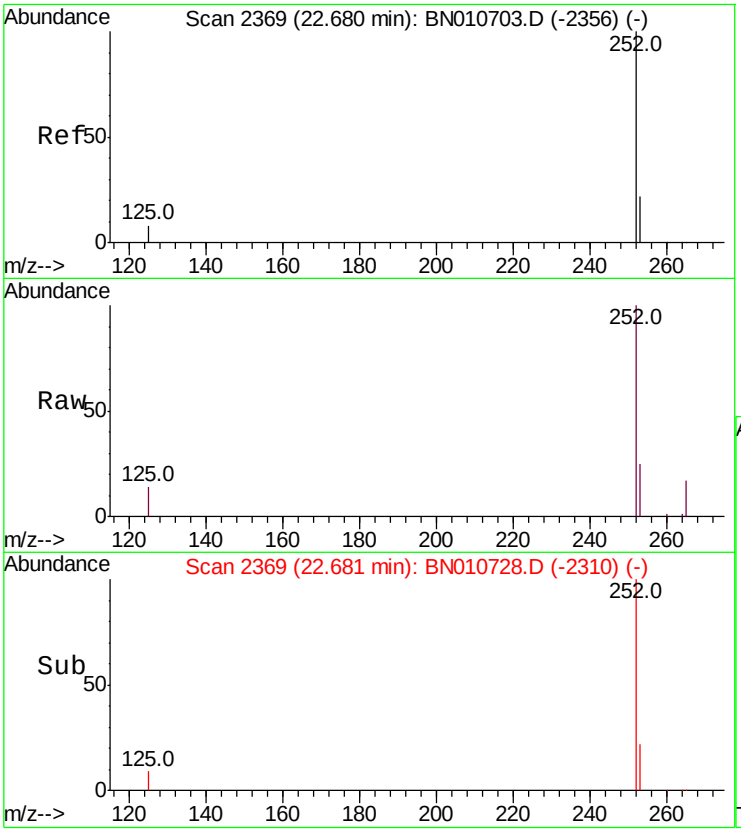


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.32 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion:264 Resp: 22270

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.6	29.4
265	53.8	70.1	105.1#



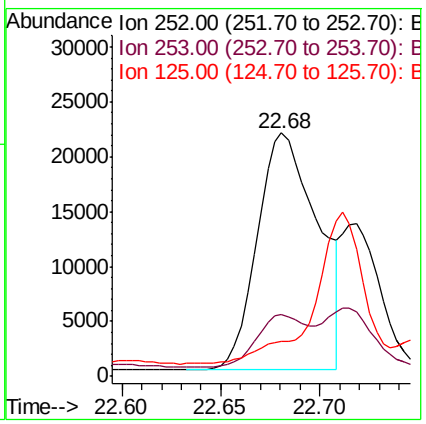


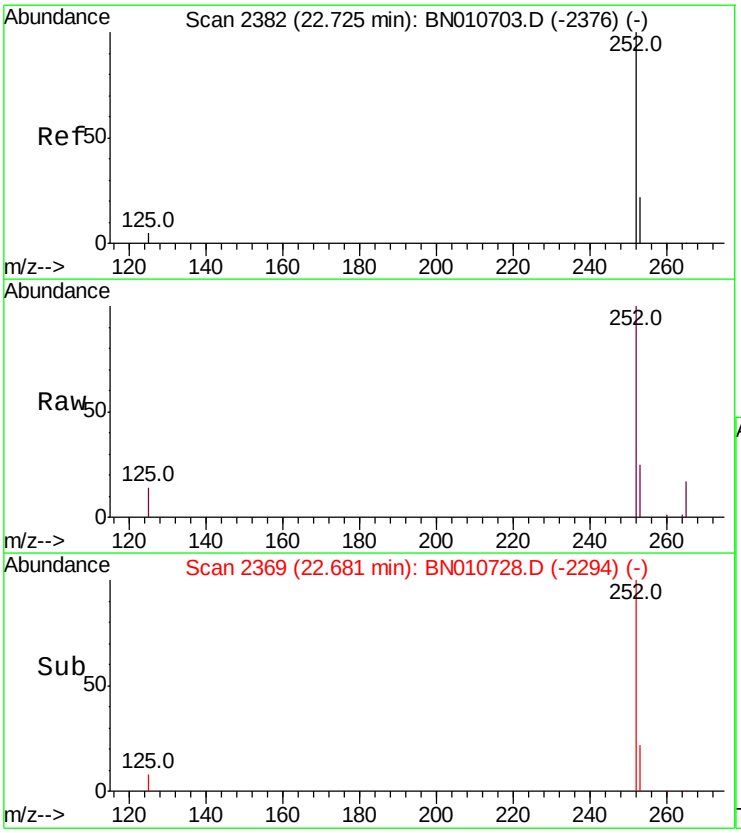
#35
Benzo(b)fluoranthene
Concen: 0.623 ng
RT: 22.68 min Scan# 2369
Delta R.T. 0.00 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:252 Resp: 45835

Ion	Ratio	Lower	Upper
252	100		
253	25.3	22.0	33.0
125	14.2	10.8	16.2

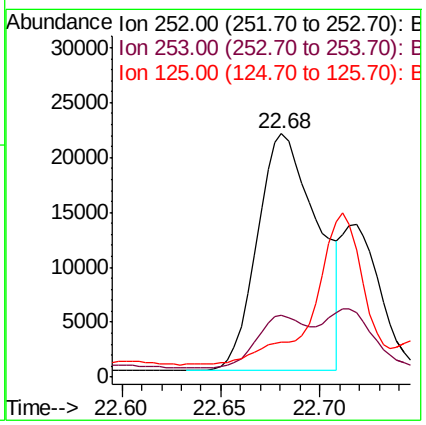


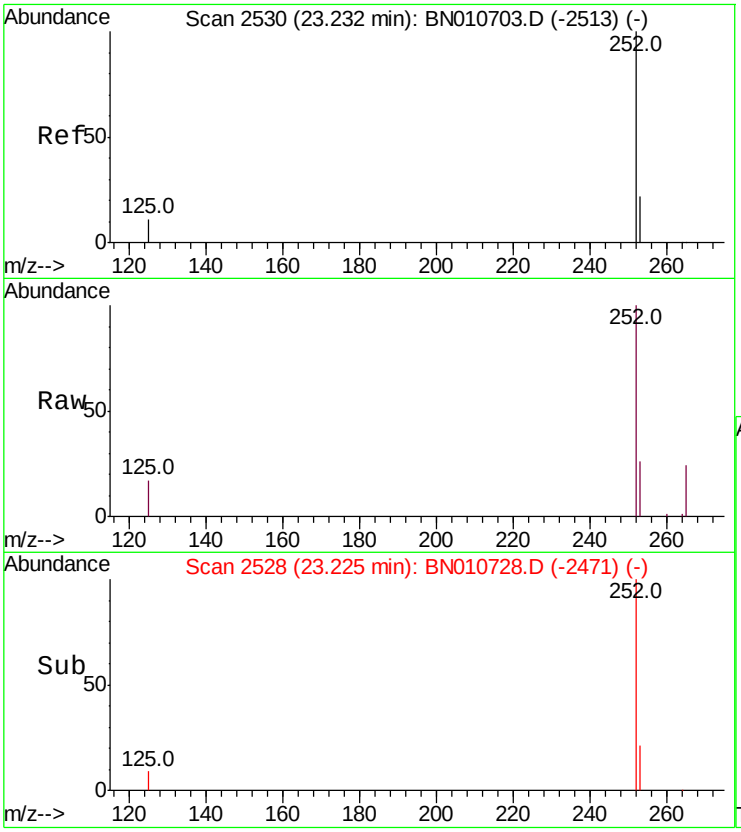


#36
Benzo(k)fluoranthene
Concen: 0.578 ng
RT: 22.68 min Scan# 2369
Delta R.T. -0.04 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion:252 Resp: 45835

Ion	Ratio	Lower	Upper
252	100		
253	25.3	21.9	32.9
125	14.2	11.1	16.7



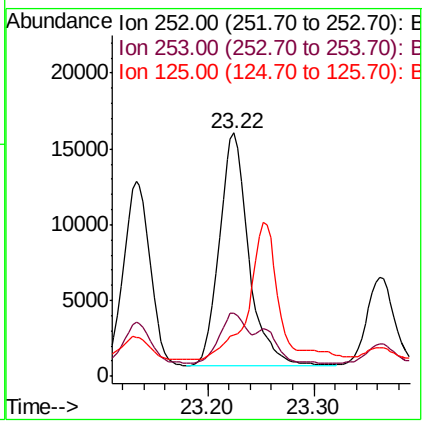


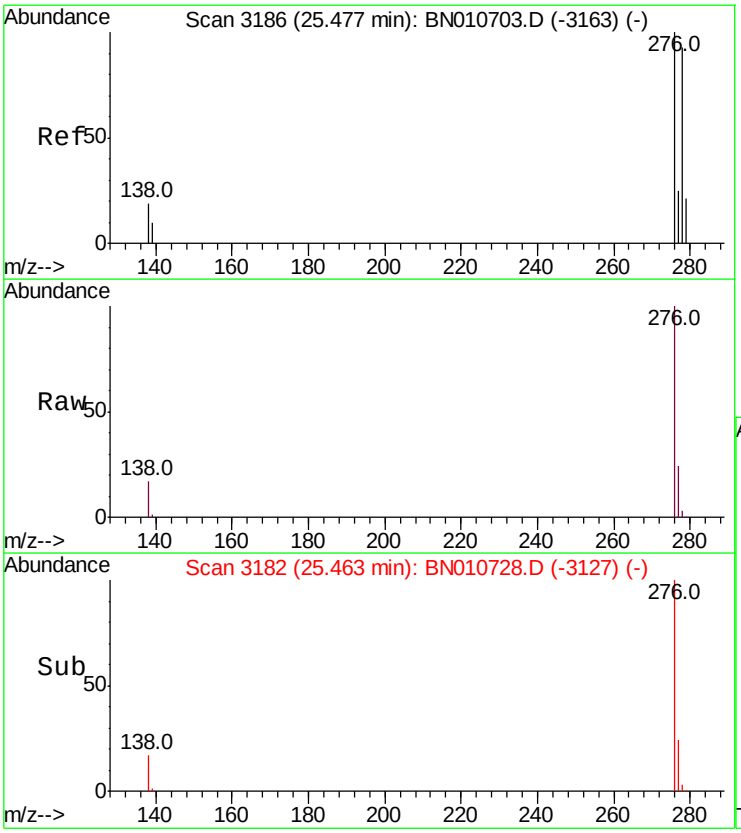
#37
Benzo(a)pyrene
Concen: 0.463 ng
RT: 23.22 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:252 Resp: 29493

Ion	Ratio	Lower	Upper
252	100		
253	26.0	24.8	37.2
125	16.8	15.8	23.6

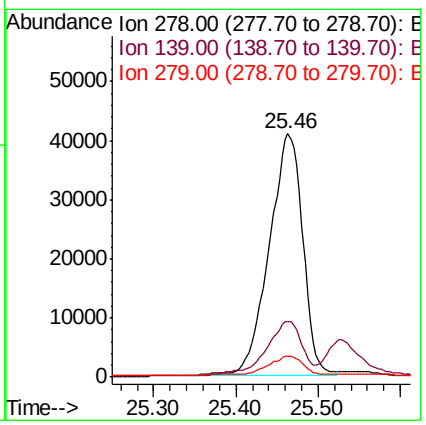


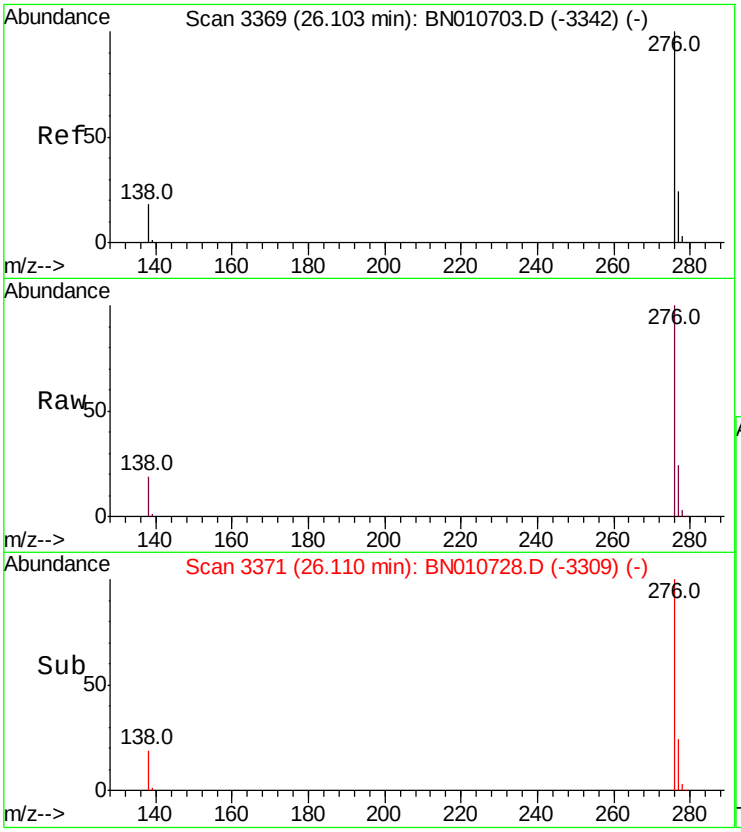


#38
Dibenzo(a,h)anthracene
Concen: 2.139 ng
RT: 25.46 min Scan# 3182
Delta R.T. -0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Tgt Ion:278 Resp: 116463

Ion	Ratio	Lower	Upper
278	100		
139	23.0	13.0	19.4#
279	8.7	25.1	37.7#





#39
Benzo(g,h,i)perylene
Concen: 43.024 ng
RT: 26.11 min Scan# 3371
Delta R.T. 0.01 min
Lab File: BN010728.D
Acq: 15 May 2020 13:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:276 Resp: 2747030

Ion	Ratio	Lower	Upper
276	100		
277	23.9	20.6	30.8
138	19.2	16.0	24.0