Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070620\
Data File : BN011101.D
Acq On : 06 Jul 2020 11:12
Operator : CG/JU
Sample : L1955-05
Misc : MDL-SOIL-05
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-SOIL-05

Quant Time: Jul 06 12:29:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 06 10:52:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	1902	0.40	ng		0.00
7) Naphthalene-d8	10.27	136	6082	0.40	ng		0.00
13) Acenaphthene-d10	14.14	164	3167	0.40	ng		0.01
19) Phenanthrene-d10	16.90	188	6503	0.40	ng		0.01
29) Chrysene-d12	21.11	240	5413	0.40	ng		0.01
36) Perylene-d12	23.25	264	6177	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.18	112	1725	0.36	ng		0.00
5) Phenol-d6	6.73	99	1746	0.32	ng		0.00
8) Nitrobenzene-d5	8.67	82	1713	0.33	ng		0.01
11) 2-Methylnaphthalene-d10	11.87	152	3261	0.31	ng		0.00
14) 2,4,6-Tribromophenol	15.65	330	445	0.33	ng		0.01
15) 2-Fluorobiphenyl	12.76	172	4334	0.29	ng		0.01
27) Fluoranthene-d10	18.94	212	6444	0.33	ng		0.00
31) Terphenyl-d14	19.55	244	4929	0.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	209	0.078	ng		98
6) bis(2-Chloroethyl)ether	6.97	93	425	0.086	ng		89
9) Naphthalene	10.32	128	1582	0.087	ng	#	89
10) Hexachlorobutadiene	10.61	225	390	0.085	ng	#	98
12) 2-Methylnaphthalene	11.94	142	999	0.082	ng	#	91
16) Acenaphthylene	13.85	152	1463	0.092	ng		99
17) Acenaphthene	14.21	154	890	0.083	ng		99
18) Fluorene	15.21	166	1076	0.080	ng		99
20) 4,6-Dinitro-2-methylphenol	15.39	198	37	0.136	ng	#	47
21) 4-Bromophenyl-phenylether	16.11	248	296	0.068	ng		96
22) Hexachlorobenzene	16.20	284	423	0.083	ng		99
23) Atrazine	16.40	200	268	0.088	ng	#	73
24) Pentachlorophenol	16.57	266	230	0.168	ng		93
25) Phenanthrene	16.93	178	1652	0.078	ng		98
26) Anthracene	17.04	178	1321	0.076	ng		98
28) Fluoranthene	18.97	202	1881	0.079	ng		98
30) Pyrene	19.33	202	1895	0.094	ng		99
32) Benzo(a)anthracene	21.09	228	1548	0.086	ng		92
33) Chrysene	21.14	228	1848	0.089	ng		94
34) Bis(2-ethylhexyl)phthalate	21.05	149	868	0.119	ng	#	96
35) Indeno(1,2,3-cd)pyrene	25.36	276	1557	0.072	ng	#	84
37) Benzo(b)fluoranthene	22.62	252	1790	0.072	ng	#	63
38) Benzo(k)fluoranthene	22.66	252	2115	0.080	ng	#	58
39) Benzo(a)pyrene	23.16	252	1672	0.078	ng	#	44
40) Dibenzo(a,h)anthracene	25.39	278	1101	0.050	ng	#	36
41) Benzo(g,h,i)perylene	25.99	276	1646	0.068	ng	#	81

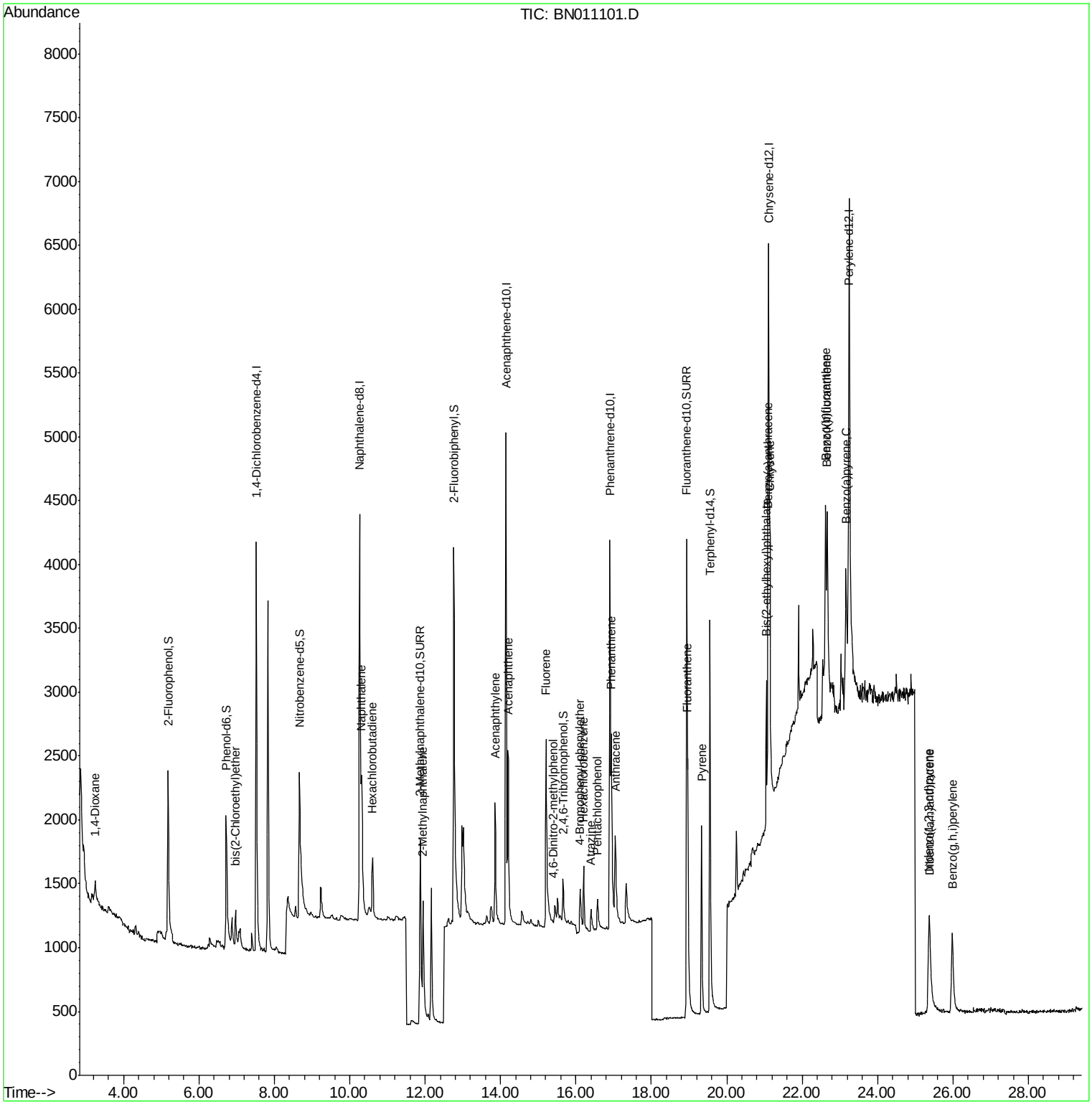
(#) = qualifier out of range (m) = manual integration (+) = signals summed

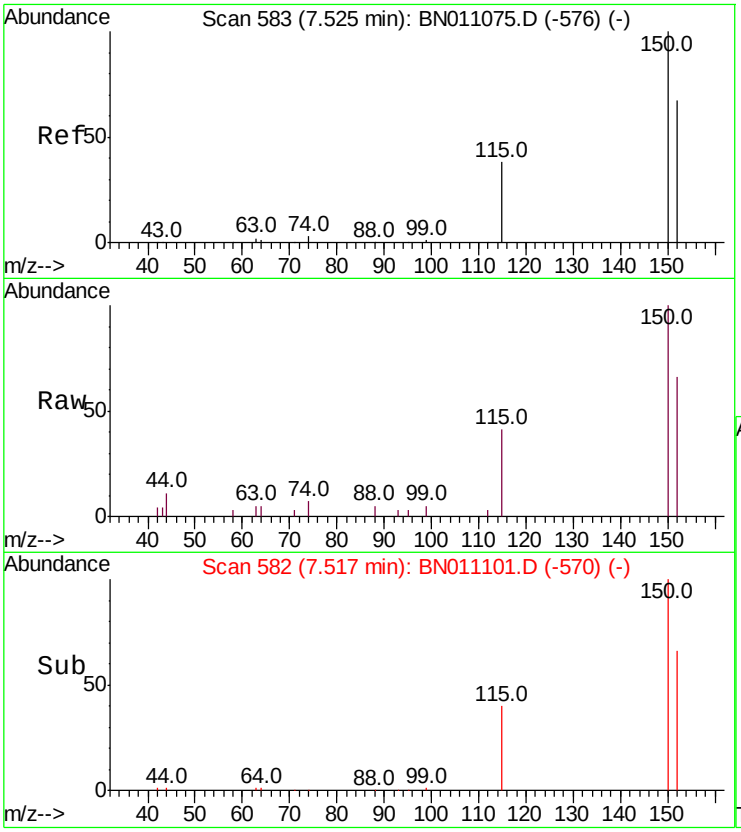
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070620\
Data File : BN011101.D
Acq On : 06 Jul 2020 11:12
Operator : CG/JU
Sample : L1955-05
Misc : MDL-SOIL-05
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Quant Time: Jul 06 12:29:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 06 10:52:12 2020
Response via : Initial Calibration



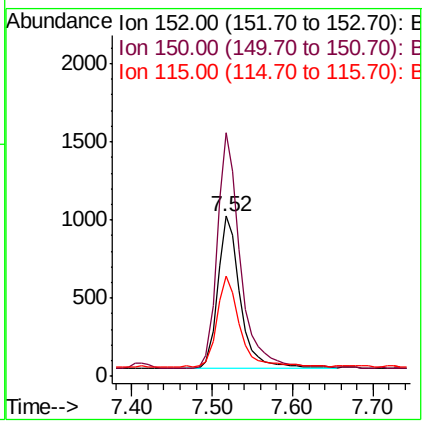


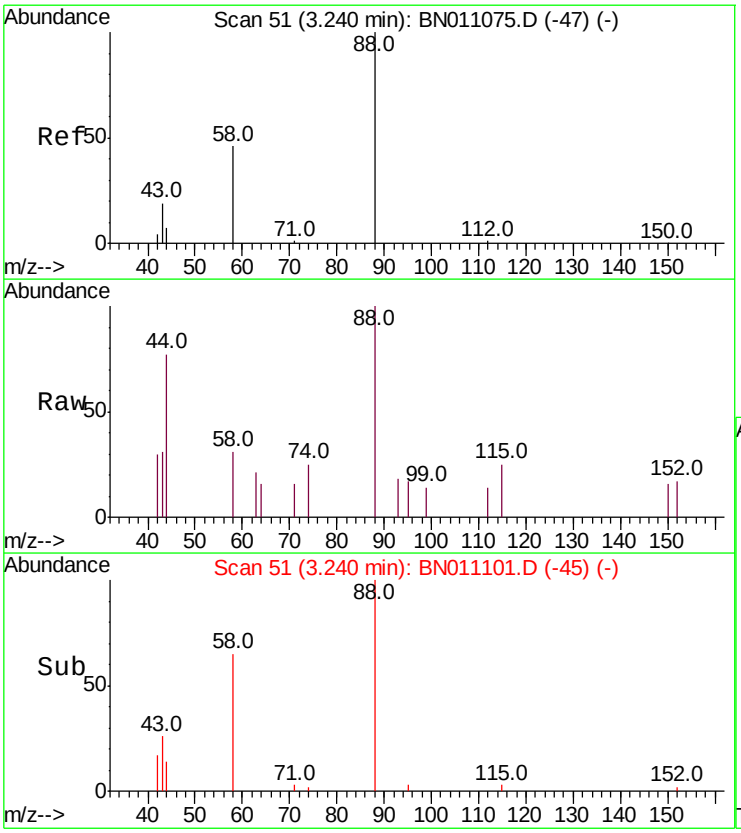
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 582
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:152 Resp: 1902

Ion	Ratio	Lower	Upper
152	100		
150	152.2	117.4	176.0
115	63.0	47.9	71.9

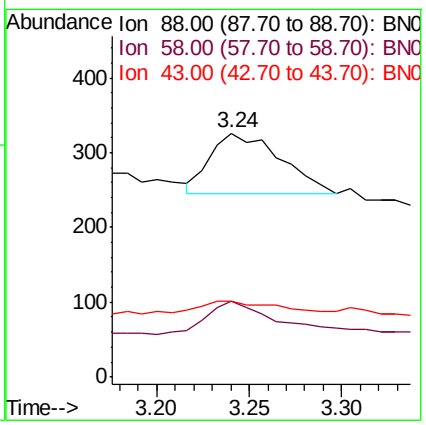


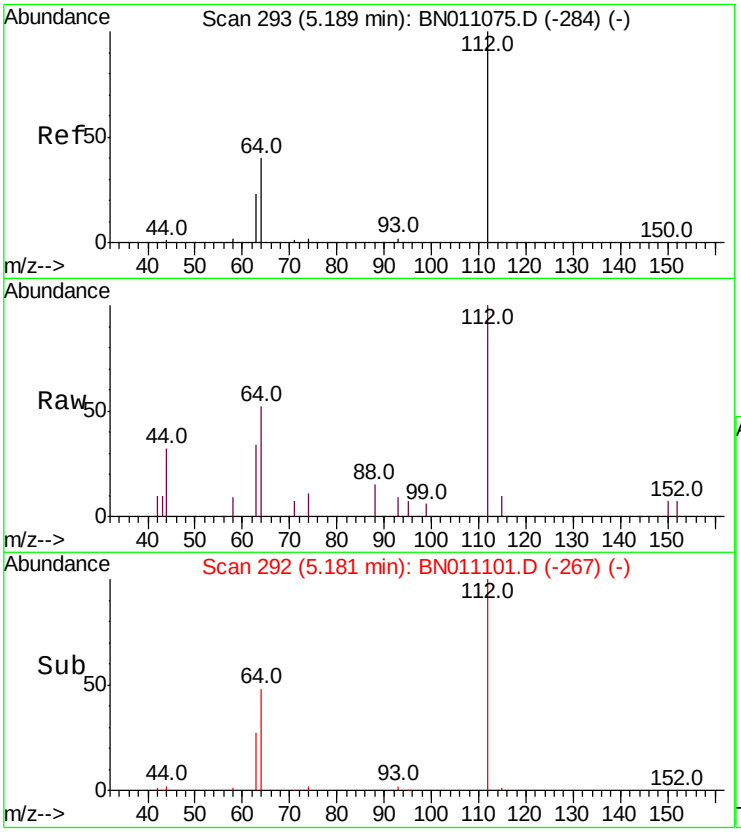


#2
1,4-Dioxane
Concen: 0.078 ng
RT: 3.24 min Scan# 51
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion: 88 Resp: 209

Ion	Ratio	Lower	Upper
88	100		
58	46.4	38.6	57.8
43	19.1	15.4	23.0



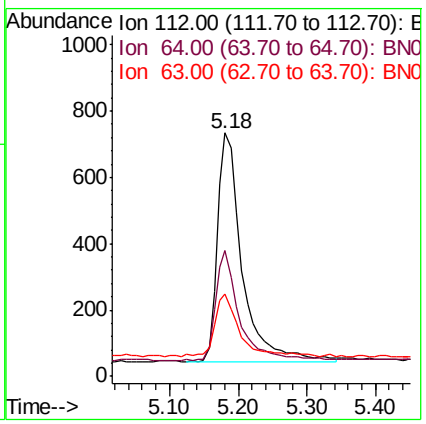


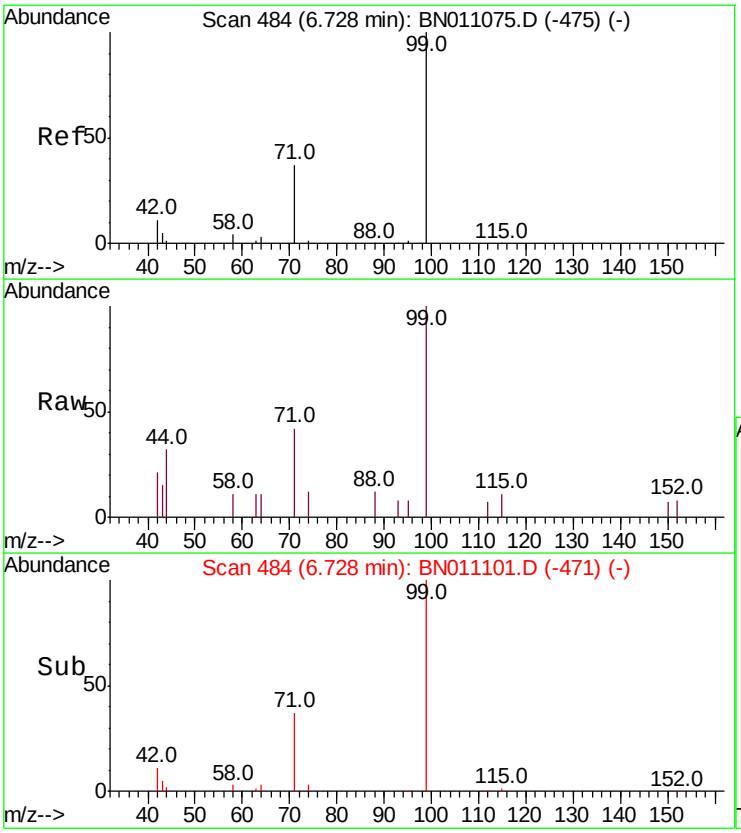
#4
2-Fluorophenol
Concen: 0.364 ng
RT: 5.18 min Scan# 292
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:112 Resp: 1725

Ion	Ratio	Lower	Upper
112	100		
64	45.1	36.5	54.7
63	28.2	20.6	30.8

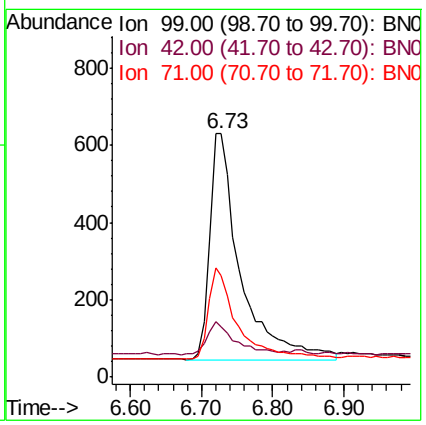


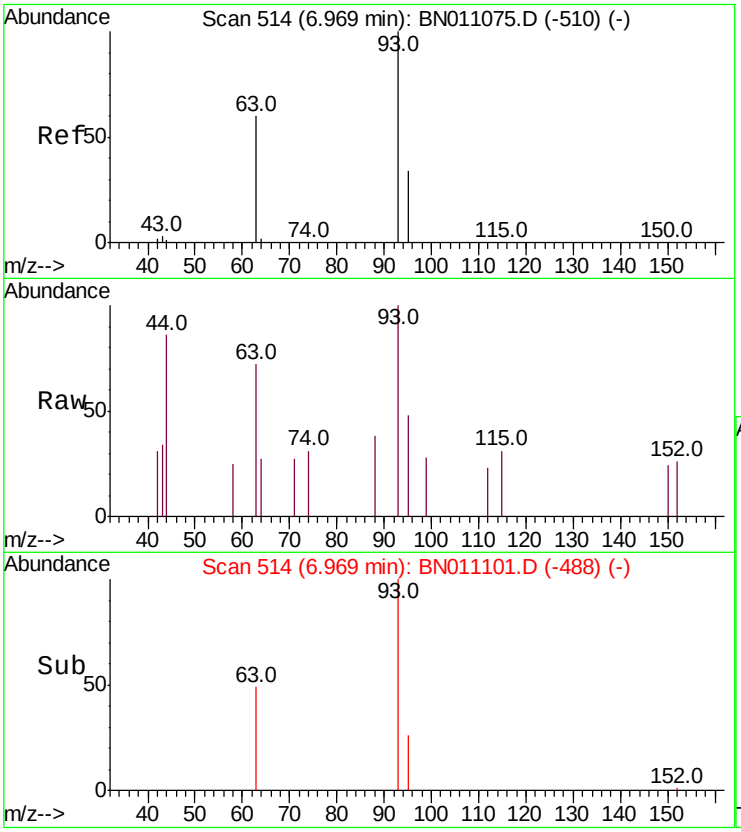


#5
Phenol-d6
Concen: 0.321 ng
RT: 6.73 min Scan# 484
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion: 99 Resp: 1746

Ion	Ratio	Lower	Upper
99	100		
42	13.7	9.8	14.8
71	38.0	30.7	46.1



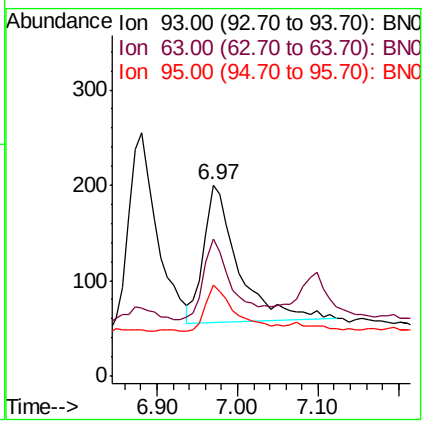


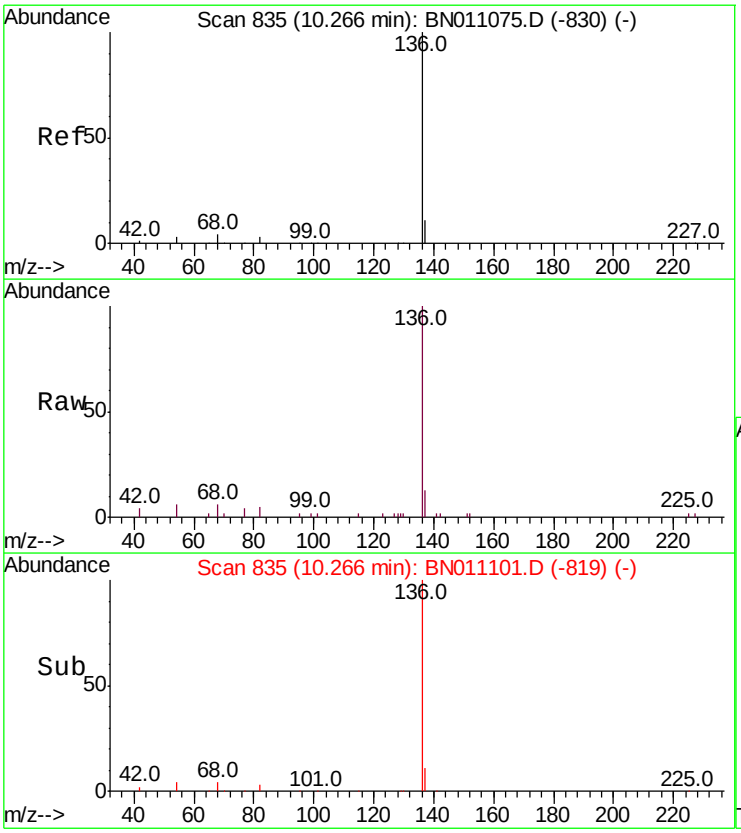
#6
bis(2-Chloroethyl)ether
Concen: 0.086 ng
RT: 6.97 min Scan# 514
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion: 93 Resp: 425

Ion	Ratio	Lower	Upper
93	100		
63	49.2	47.4	71.2
95	29.9	26.4	39.6

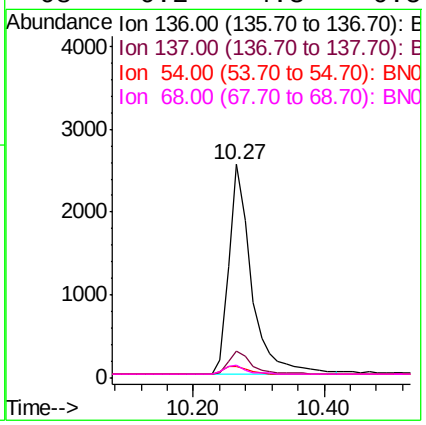


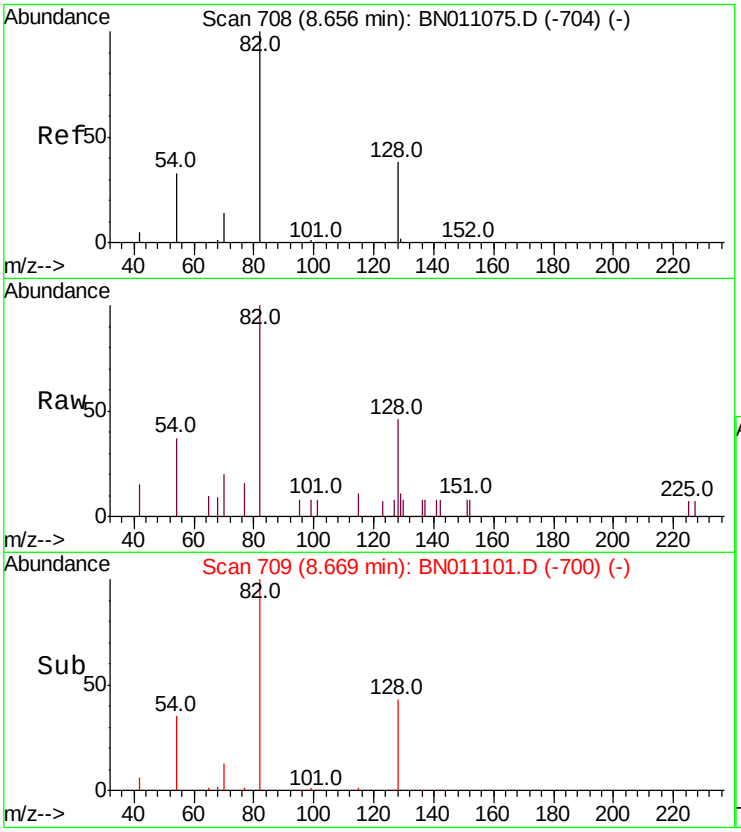


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.27 min Scan# 835
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:136 Resp: 6082

Ion	Ratio	Lower	Upper
136	100		
137	12.9	9.6	14.4
54	5.7	3.8	5.6#
68	6.2	4.3	6.5



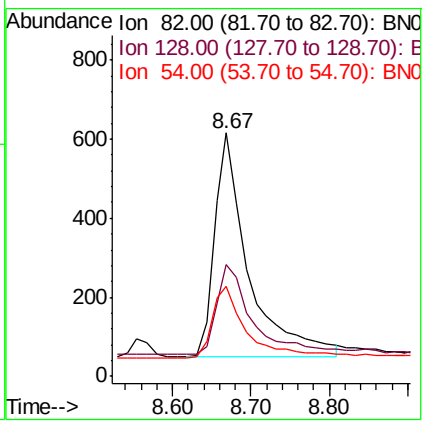


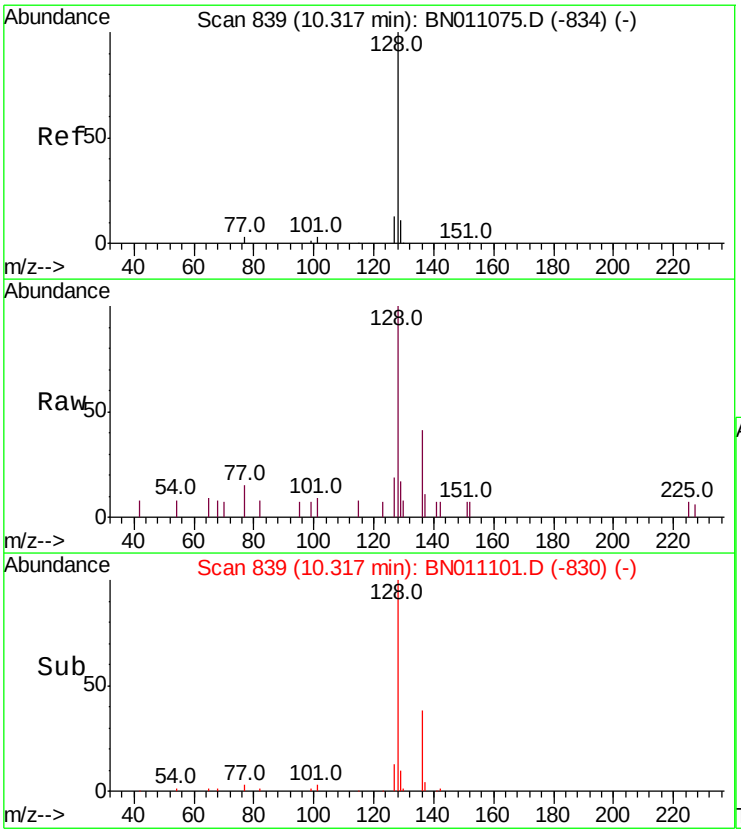
#8
Nitrobenzene-d5
Concen: 0.331 ng
RT: 8.67 min Scan# 709
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion: 82 Resp: 1713

Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.2	51.2
54	37.0	29.4	44.0

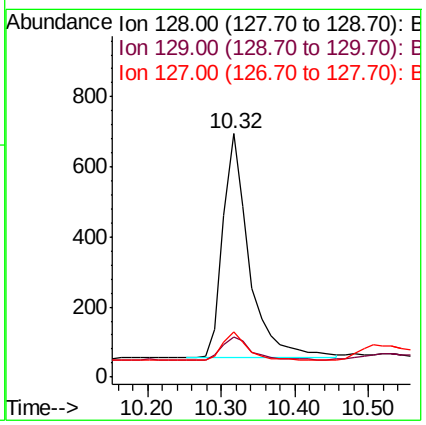


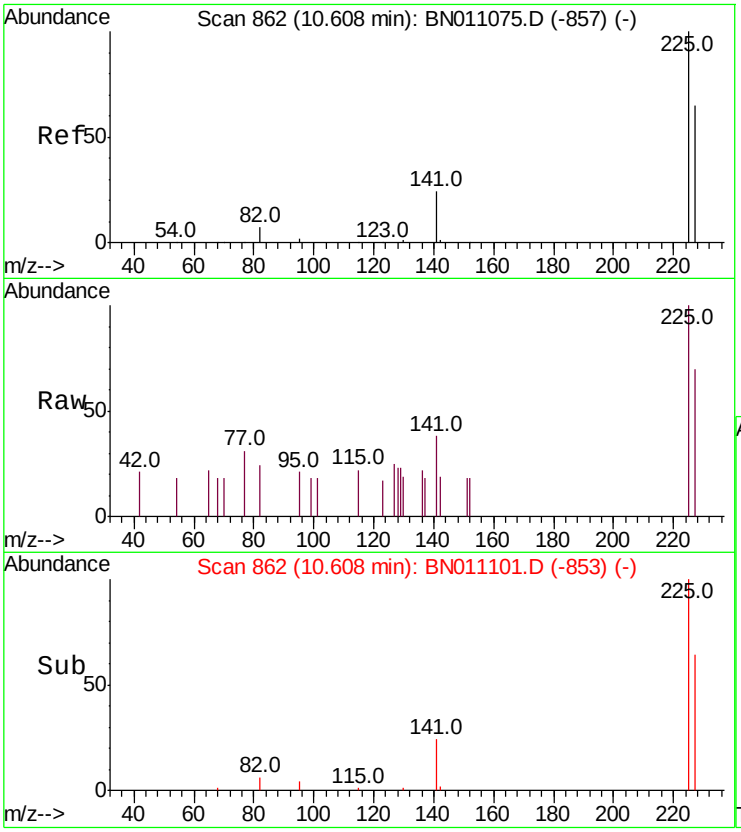


#9
Naphthalene
Concen: 0.087 ng
RT: 10.32 min Scan# 839
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:128 Resp: 1582

Ion	Ratio	Lower	Upper
128	100		
129	16.7	9.8	14.8#
127	18.7	11.3	16.9#



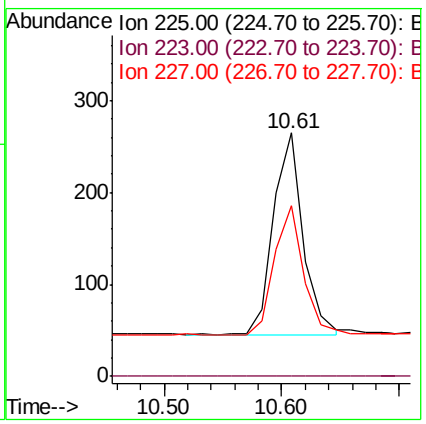


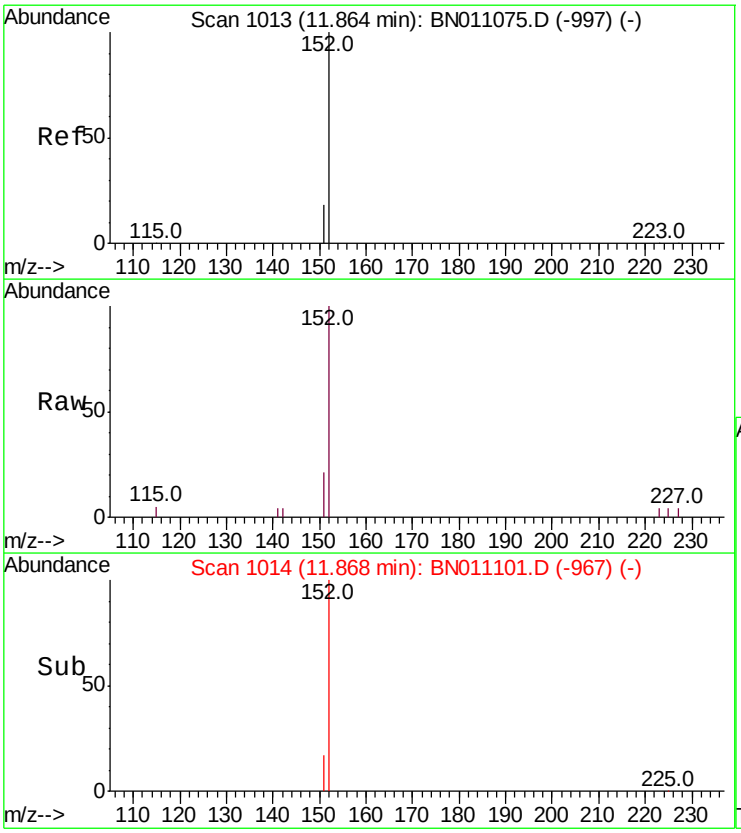
#10
Hexachlorobutadiene
Concen: 0.085 ng
RT: 10.61 min Scan# 862
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:225 Resp: 390

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.8	51.4	77.2

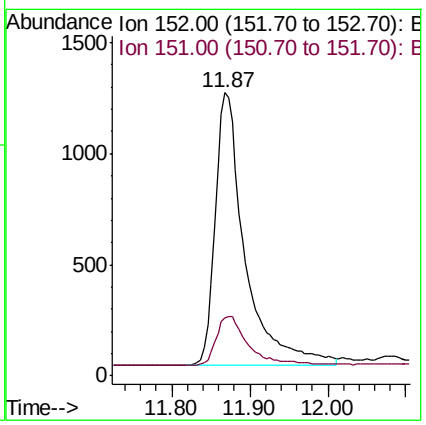


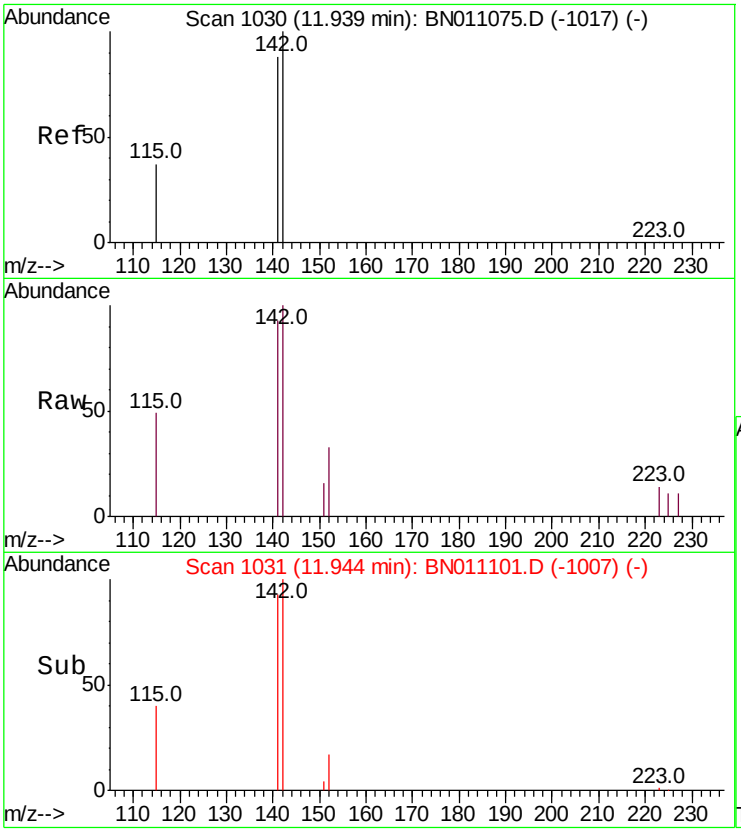


#11
2-Methylnaphthalene-d10
Concen: 0.310 ng
RT: 11.87 min Scan# 1014
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:152 Resp: 3261

Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.6	24.8



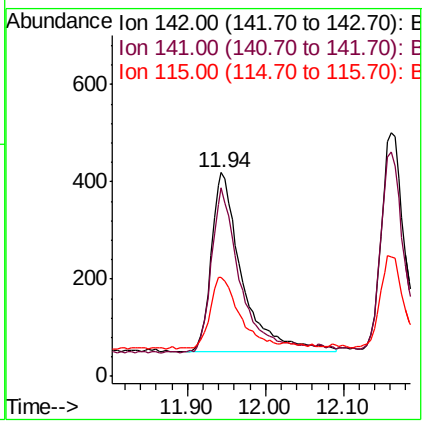


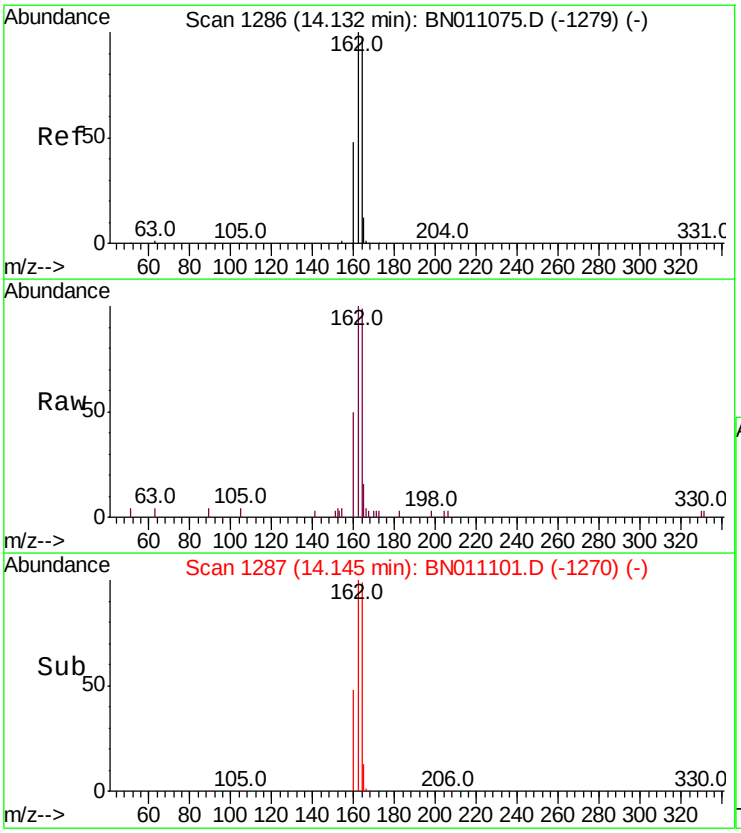
#12
2-Methylnaphthalene
Concen: 0.082 ng
RT: 11.94 min Scan# 1031
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:142 Resp: 999

Ion	Ratio	Lower	Upper
142	100		
141	92.8	70.3	105.5
115	48.7	31.2	46.8#

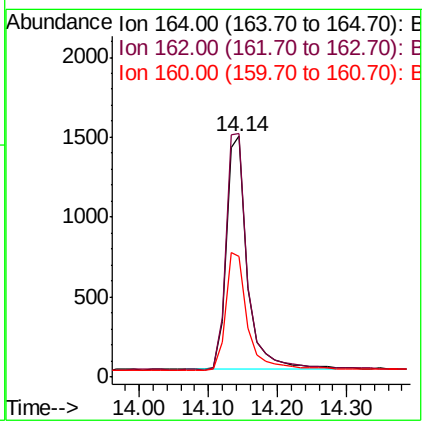


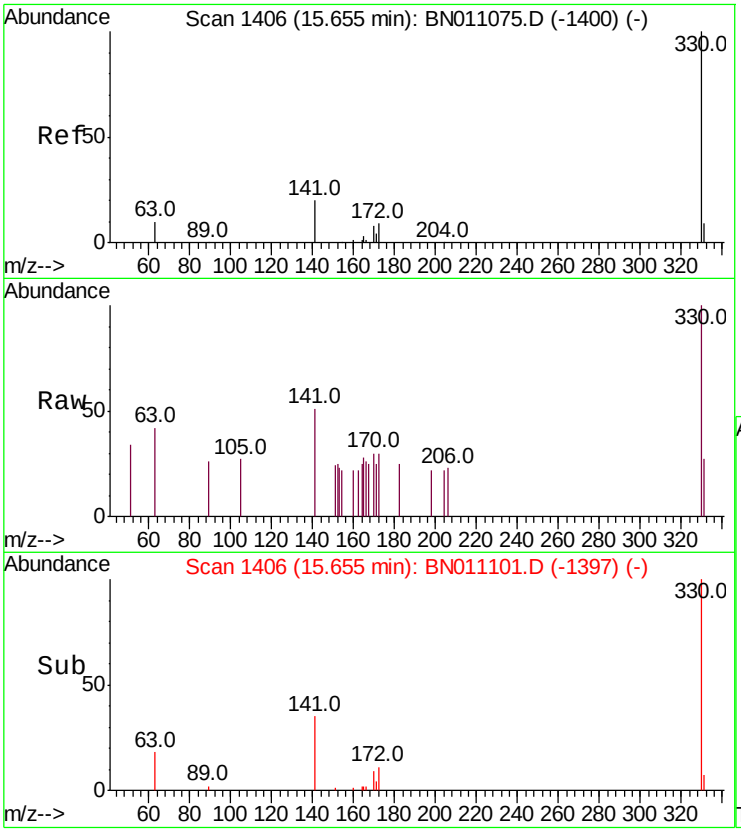


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.14 min Scan# 1287
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:164 Resp: 3167

Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.3	123.5
160	50.3	40.6	61.0



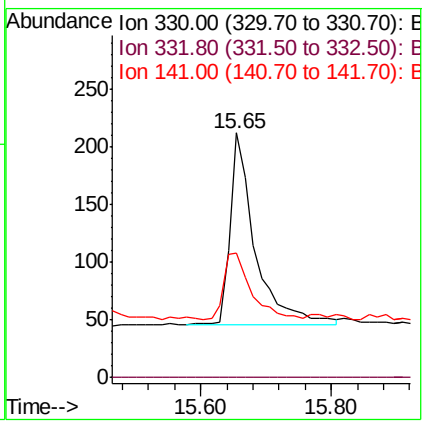


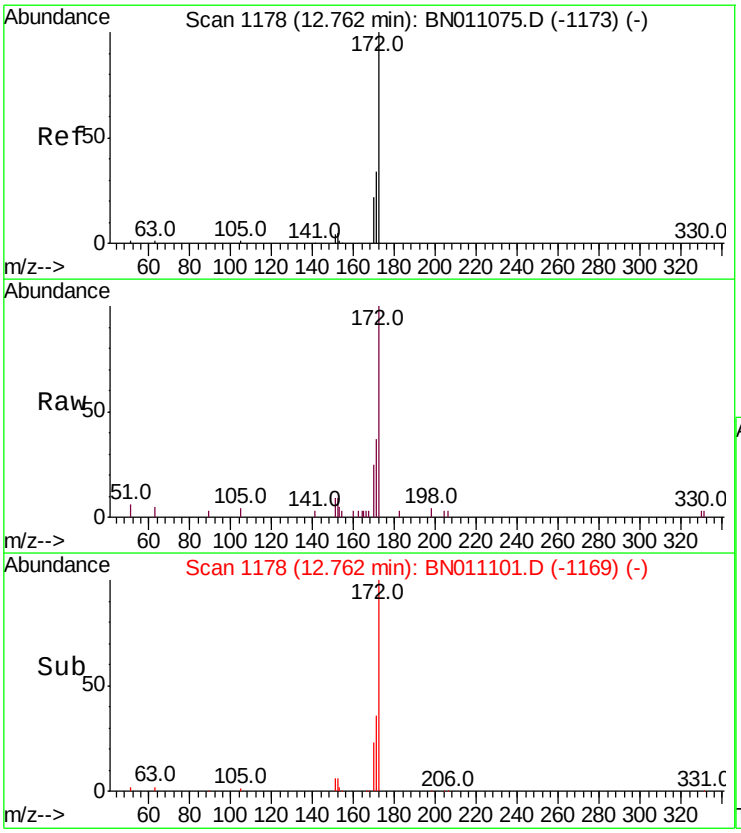
#14
2,4,6-Tribromophenol
Concen: 0.335 ng
RT: 15.65 min Scan# 1406
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:330 Resp: 445

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.3	32.6	49.0

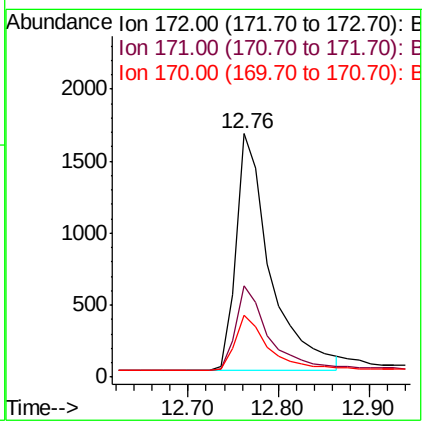


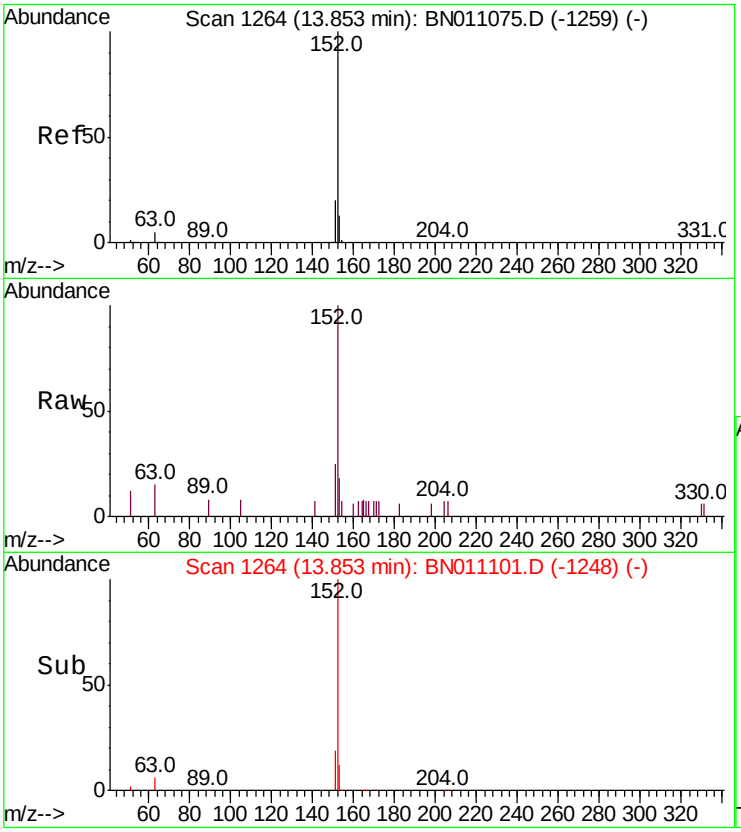


#15
2-Fluorobiphenyl
Concen: 0.291 ng
RT: 12.76 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:172 Resp: 4334

Ion	Ratio	Lower	Upper
172	100		
171	37.3	27.9	41.9
170	25.4	18.7	28.1



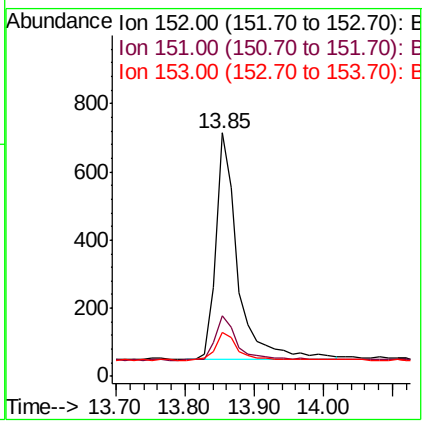


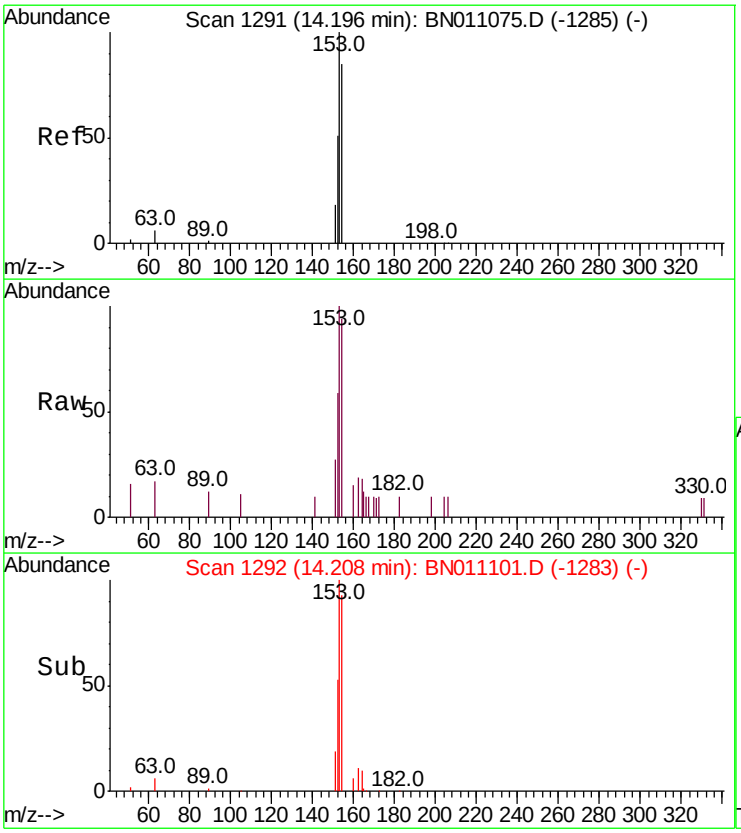
#16
Acenaphthylene
Concen: 0.092 ng
RT: 13.85 min Scan# 1264
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:152 Resp: 1463

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.8
153	12.8	10.8	16.2

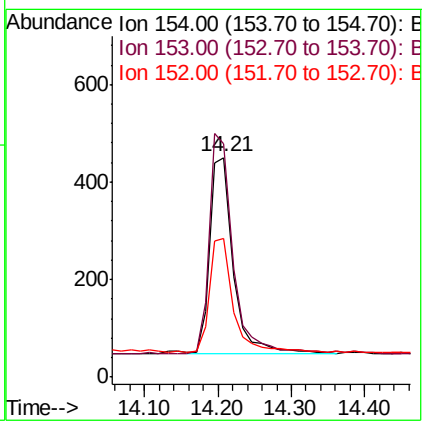


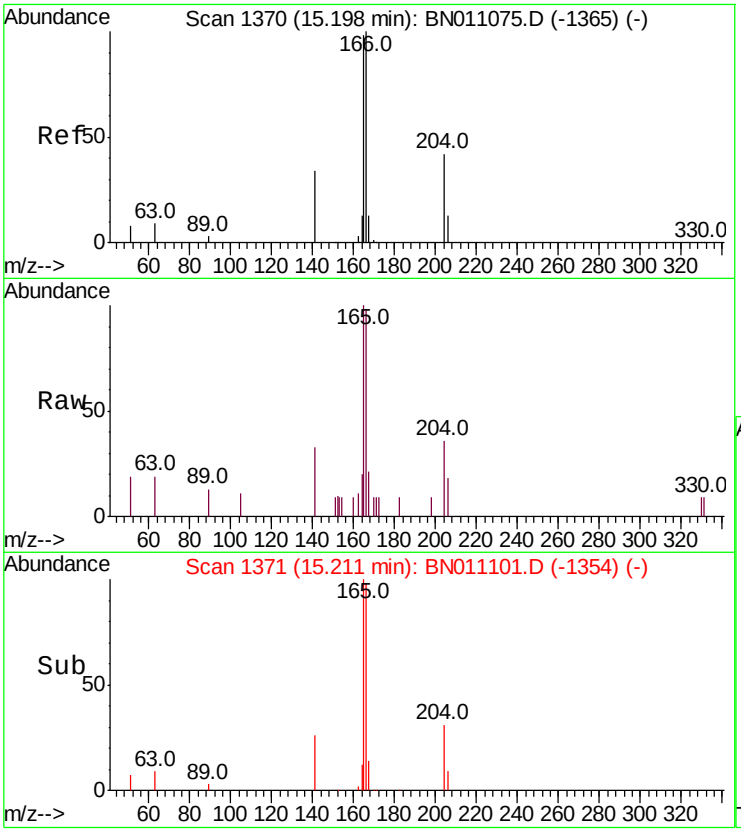


#17
Acenaphthene
Concen: 0.083 ng
RT: 14.21 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:154 Resp: 890

Ion	Ratio	Lower	Upper
154	100		
153	114.2	91.7	137.5
152	57.5	46.8	70.2



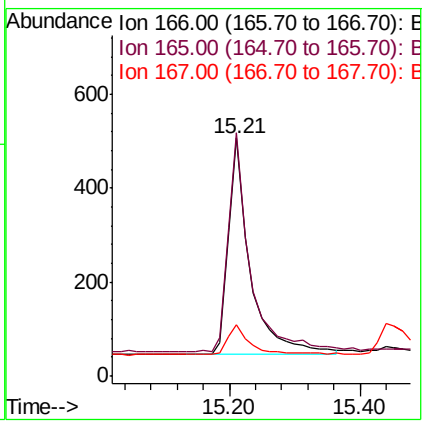


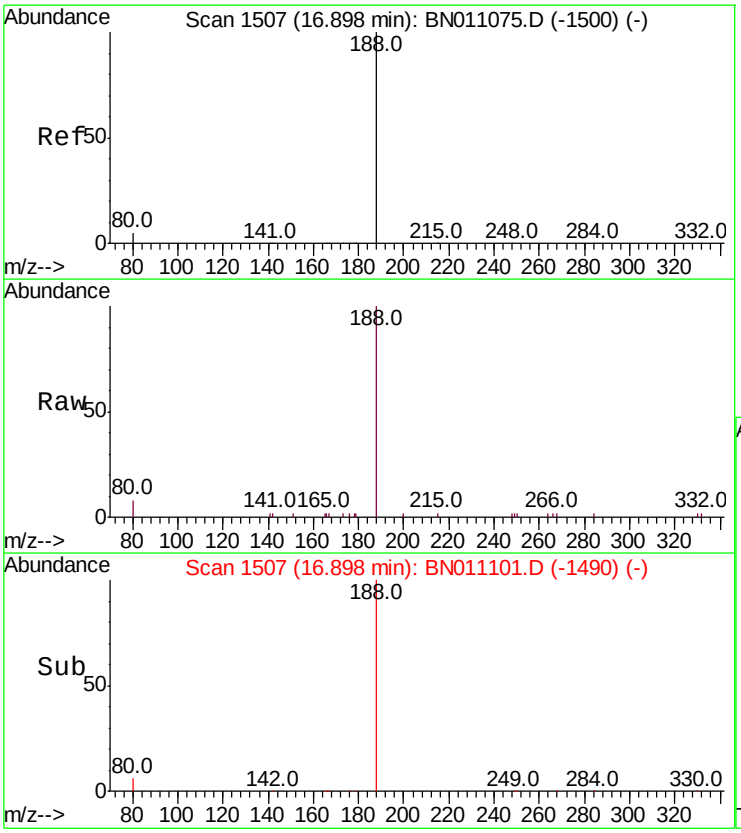
#18
Fluorene
Concen: 0.080 ng
RT: 15.21 min Scan# 1371
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:166 Resp: 1076

Ion	Ratio	Lower	Upper
166	100		
165	99.6	78.9	118.3
167	14.5	10.9	16.3

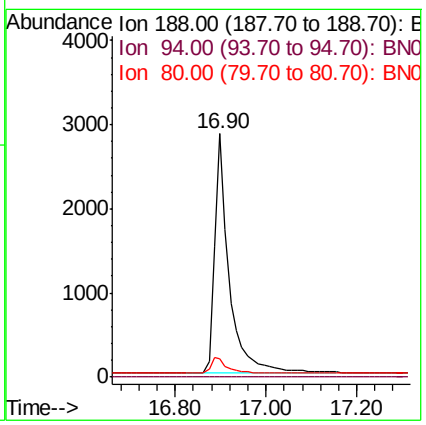


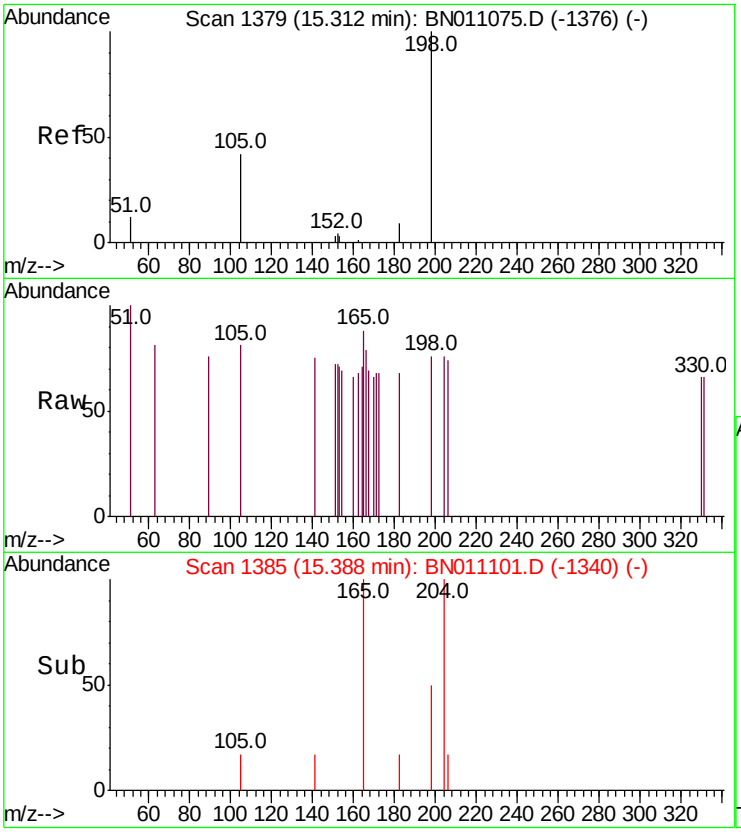


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.90 min Scan# 1507
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:188 Resp: 6503

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.7	5.3	7.9



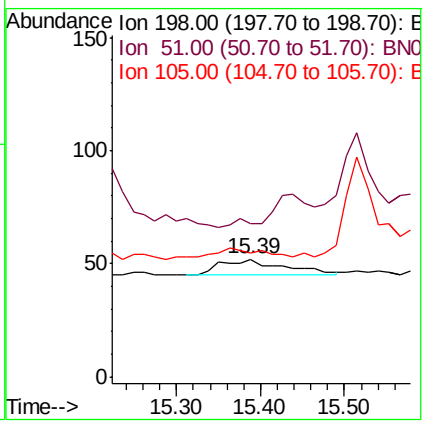


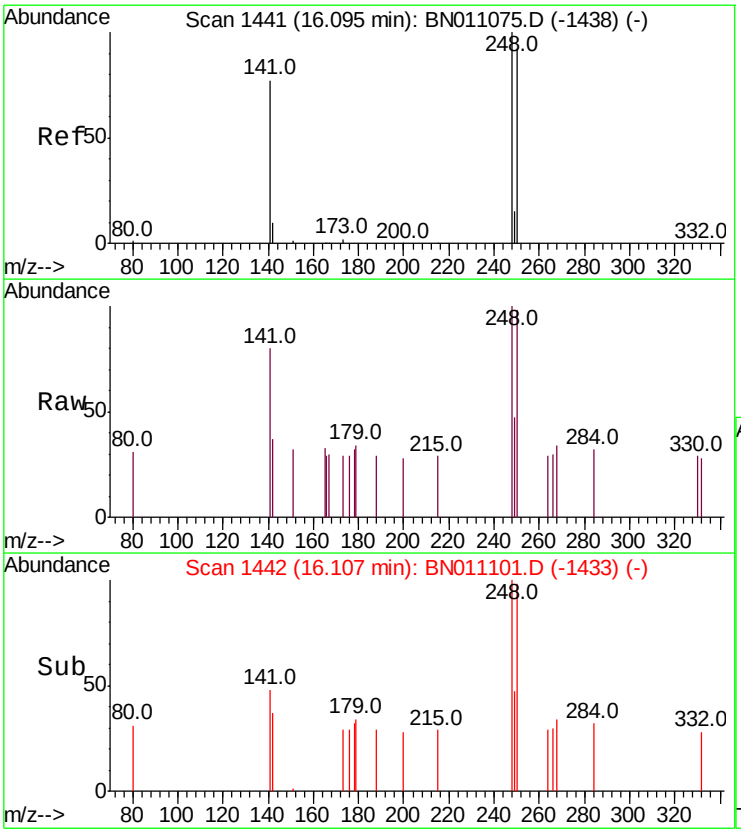
#20
4,6-Dinitro-2-methylphenol
Concen: 0.136 ng
RT: 15.39 min Scan# 1385
Delta R.T. 0.08 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:198 Resp: 37

Ion	Ratio	Lower	Upper
198	100		
51	130.8	58.2	87.4#
105	105.8	59.0	88.4#

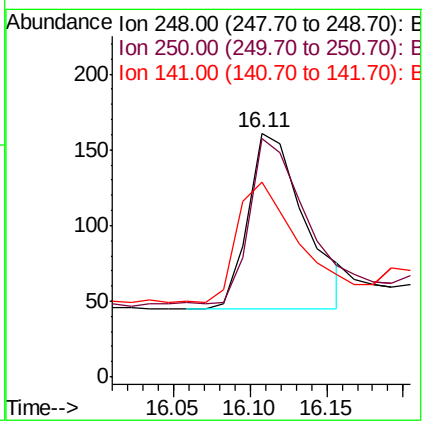


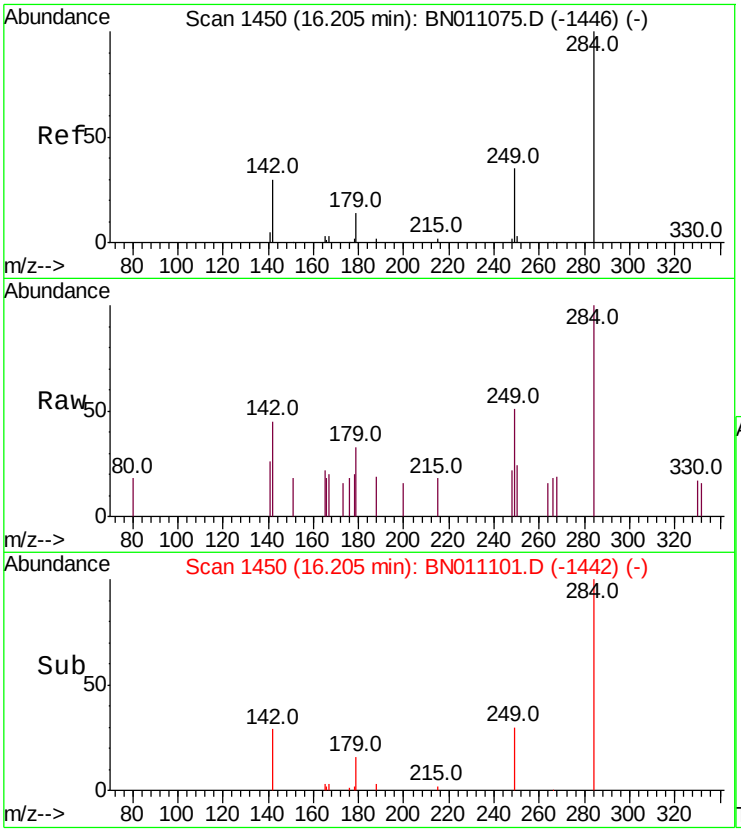


#21
4-Bromophenyl-phenylether
Concen: 0.068 ng
RT: 16.11 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:248 Resp: 296

Ion	Ratio	Lower	Upper
248	100		
250	97.5	73.8	110.8
141	80.1	63.1	94.7



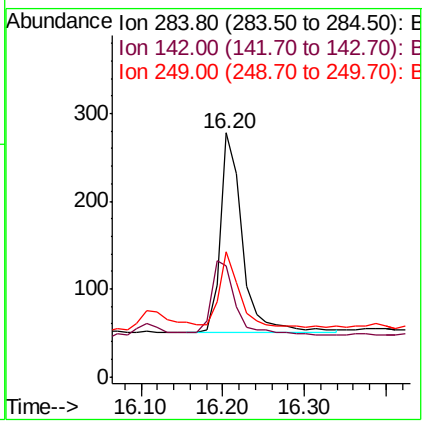


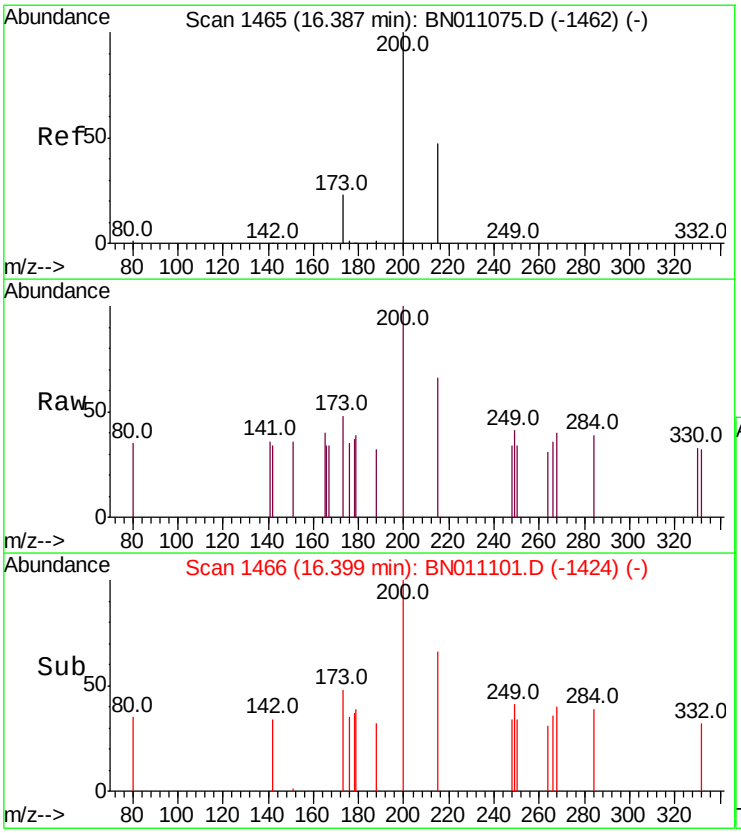
#22
Hexachlorobenzene
Concen: 0.083 ng
RT: 16.20 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:284 Resp: 423

Ion	Ratio	Lower	Upper
284	100		
142	41.1	33.3	49.9
249	35.0	27.4	41.2

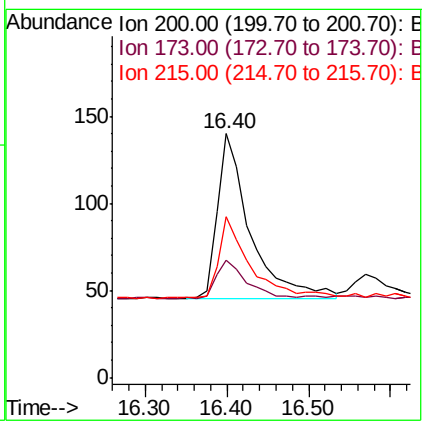


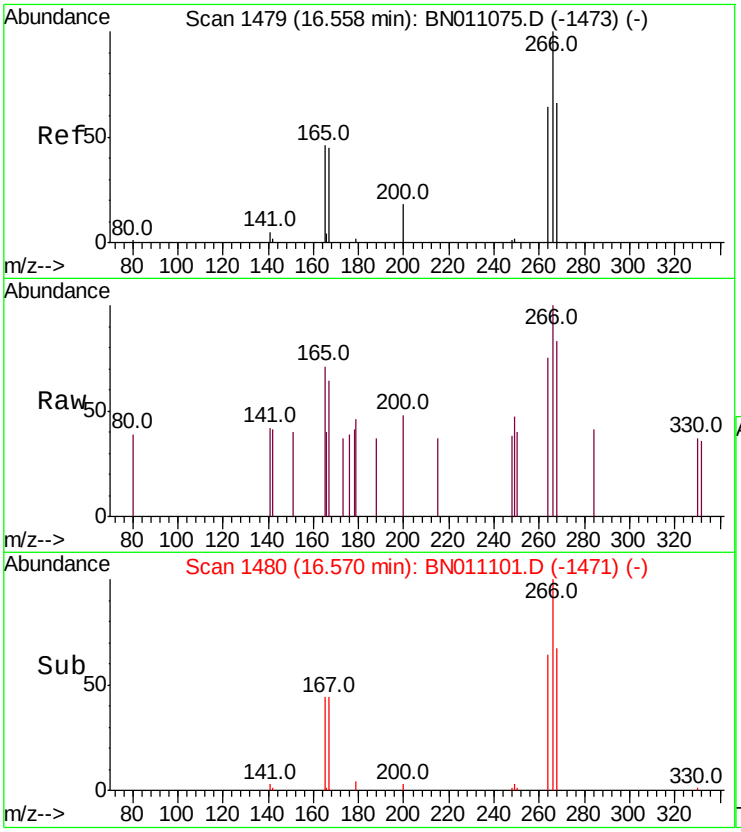


#23
Atrazine
Concen: 0.088 ng
RT: 16.40 min Scan# 1466
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:200 Resp: 268

Ion	Ratio	Lower	Upper
200	100		
173	47.9	22.8	34.2#
215	65.7	40.7	61.1#



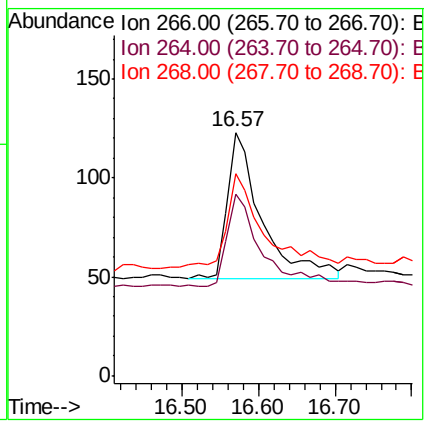


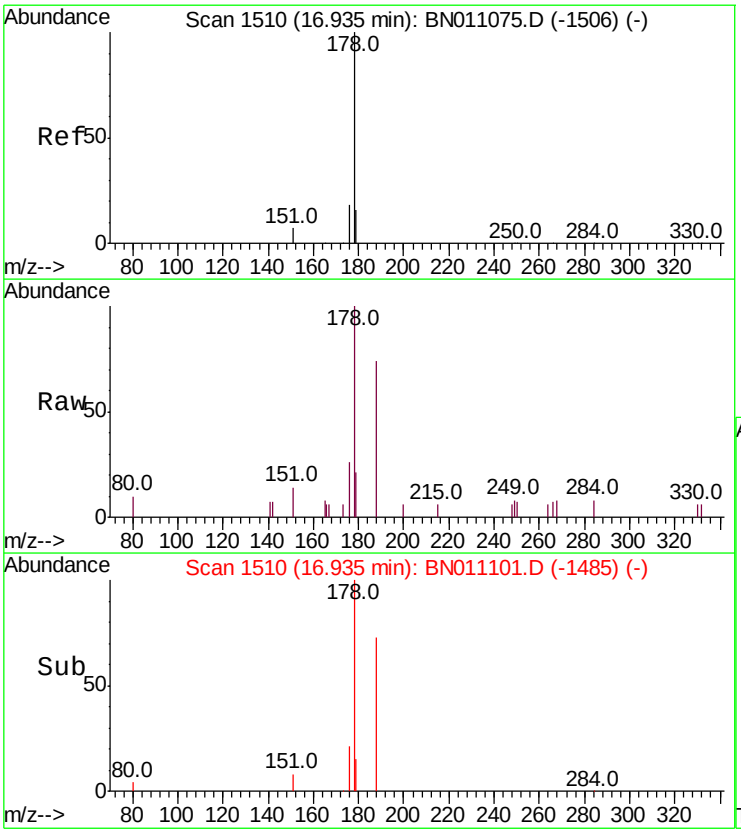
#24
Pentachlorophenol
Concen: 0.168 ng
RT: 16.57 min Scan# 1480
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:266 Resp: 230

Ion	Ratio	Lower	Upper
266	100		
264	66.5	47.4	71.0
268	65.7	55.0	82.4

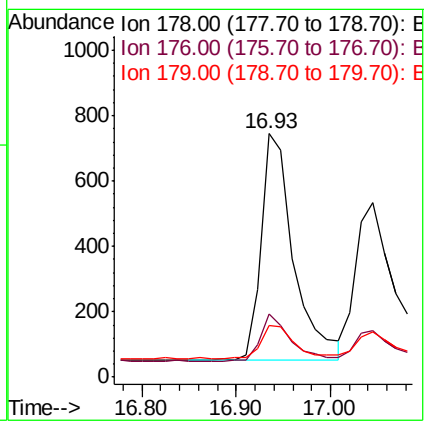


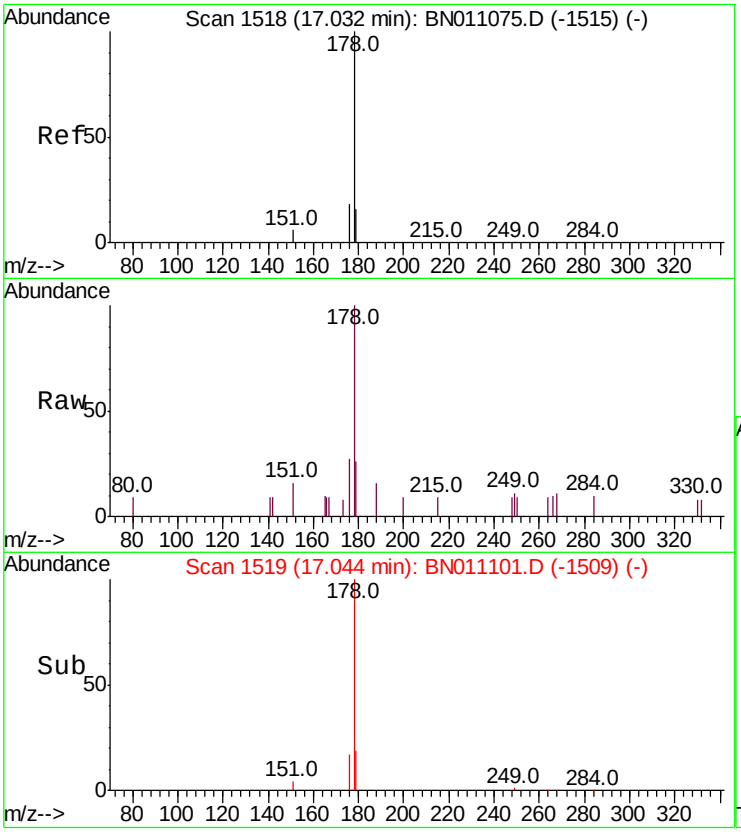


#25
Phenanthrene
Concen: 0.078 ng
RT: 16.93 min Scan# 1510
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:178 Resp: 1652

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.0	22.6
179	15.4	12.5	18.7



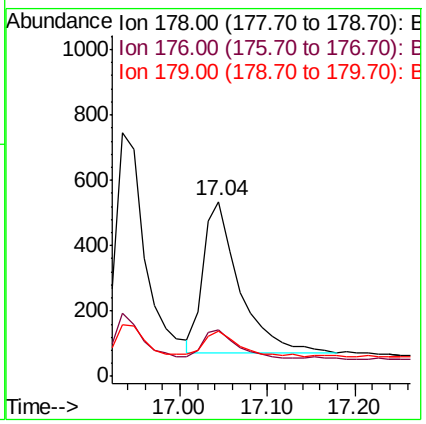


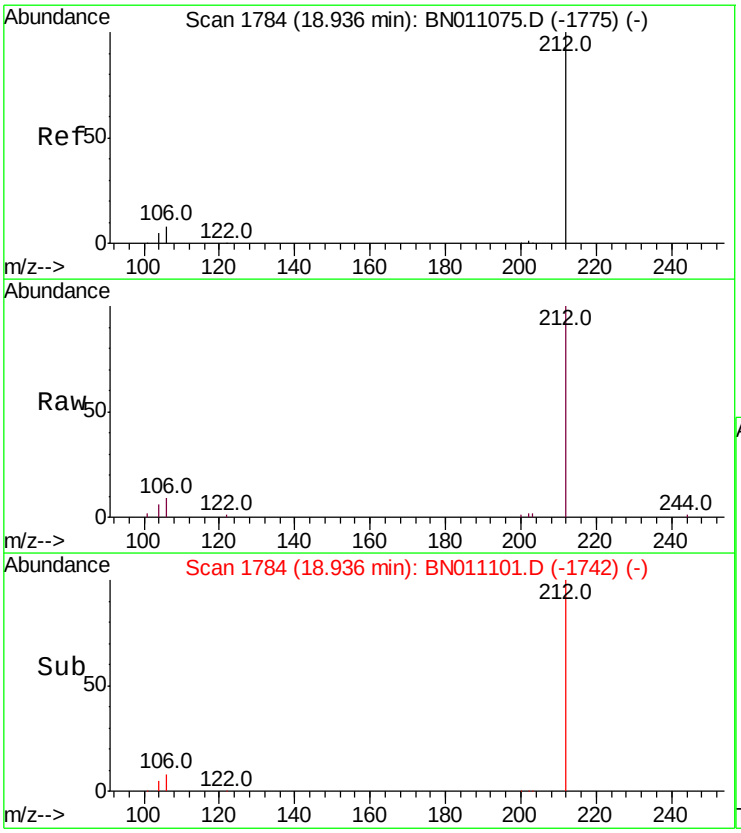
#26
Anthracene
Concen: 0.076 ng
RT: 17.04 min Scan# 1519
Delta R.T. 0.02 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:178 Resp: 1321

Ion	Ratio	Lower	Upper
178	100		
176	17.0	14.2	21.4
179	16.0	12.2	18.2

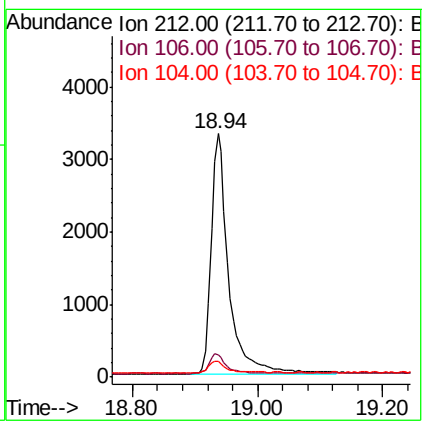


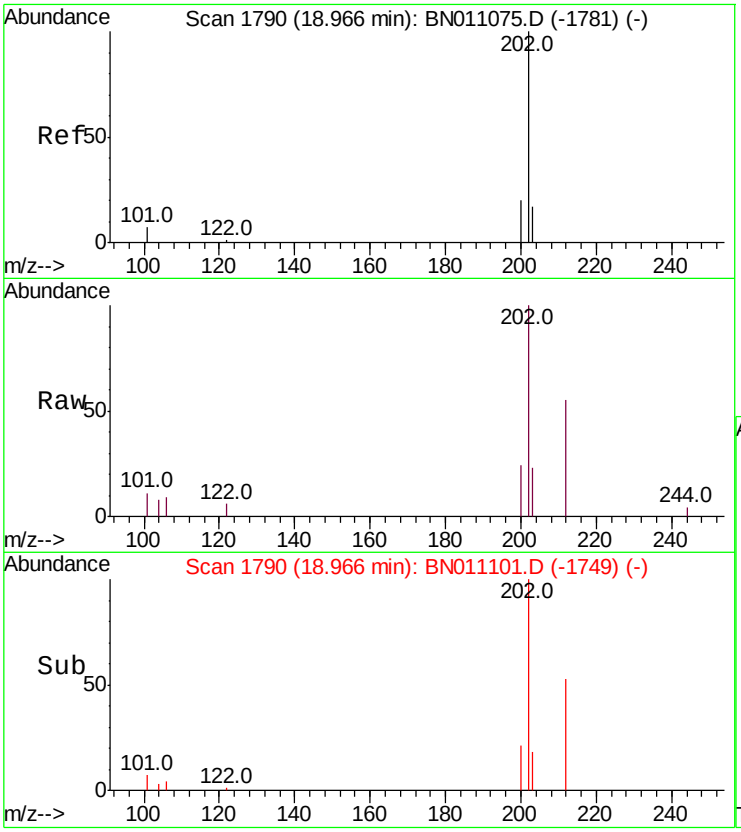


#27
Fluoranthene-d10
Concen: 0.328 ng
RT: 18.94 min Scan# 1784
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:212 Resp: 6444

Ion	Ratio	Lower	Upper
212	100		
106	8.1	7.1	10.7
104	4.7	4.2	6.4



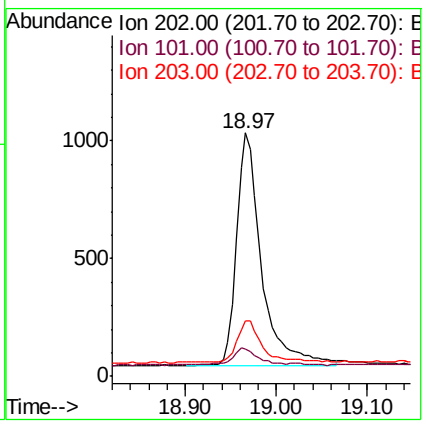


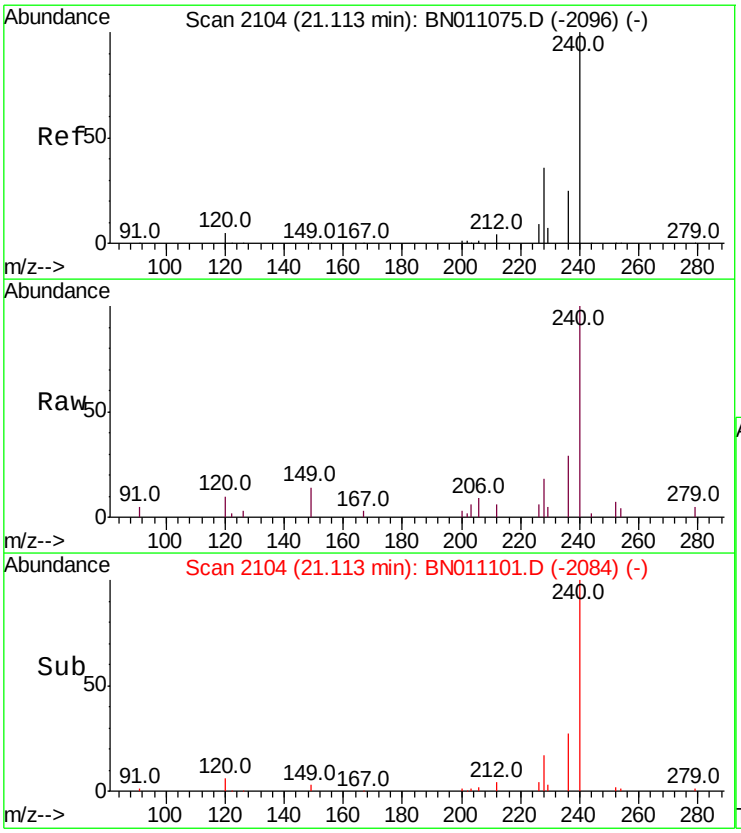
#28
Fluoranthene
Concen: 0.079 ng
RT: 18.97 min Scan# 1790
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:202 Resp: 1881

Ion	Ratio	Lower	Upper
202	100		
101	7.3	6.3	9.5
203	18.0	13.5	20.3

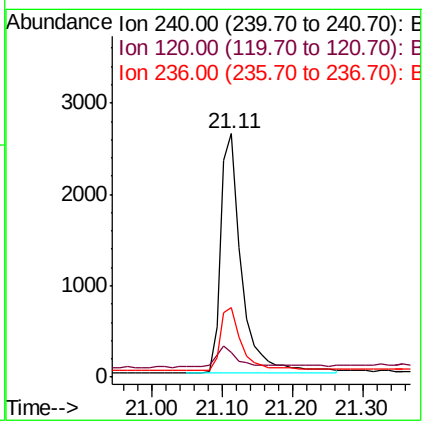


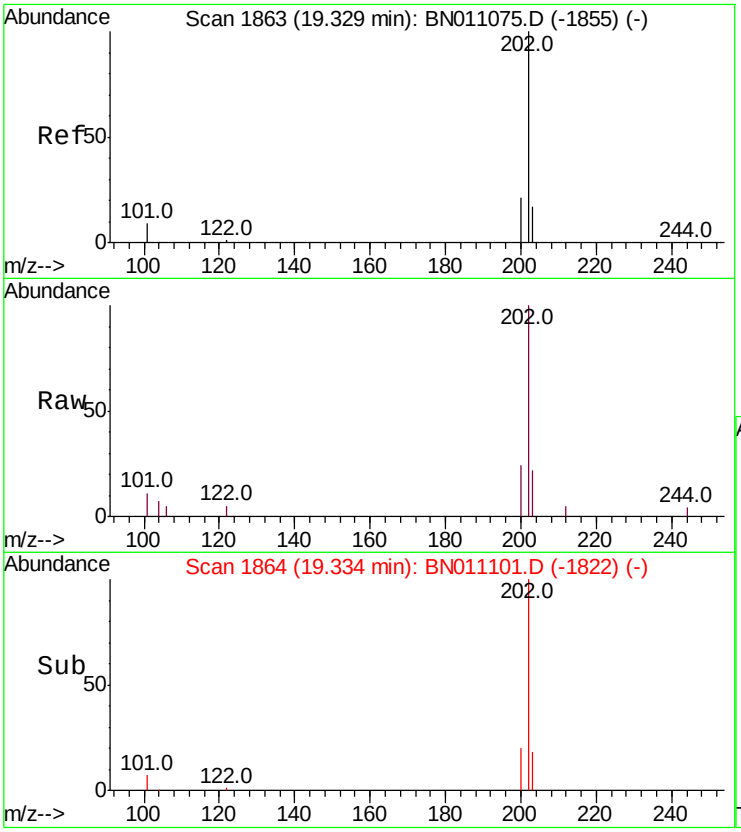


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.11 min Scan# 2104
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:240 Resp: 5413

Ion	Ratio	Lower	Upper
240	100		
120	9.9	6.5	9.7#
236	28.8	21.9	32.9



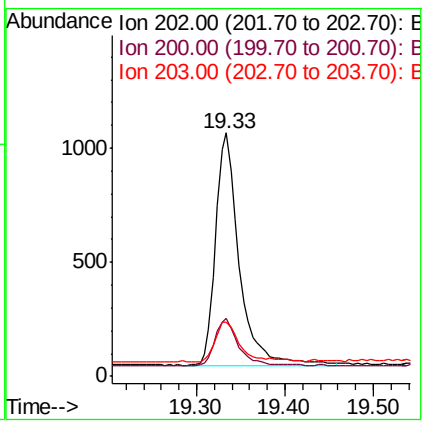


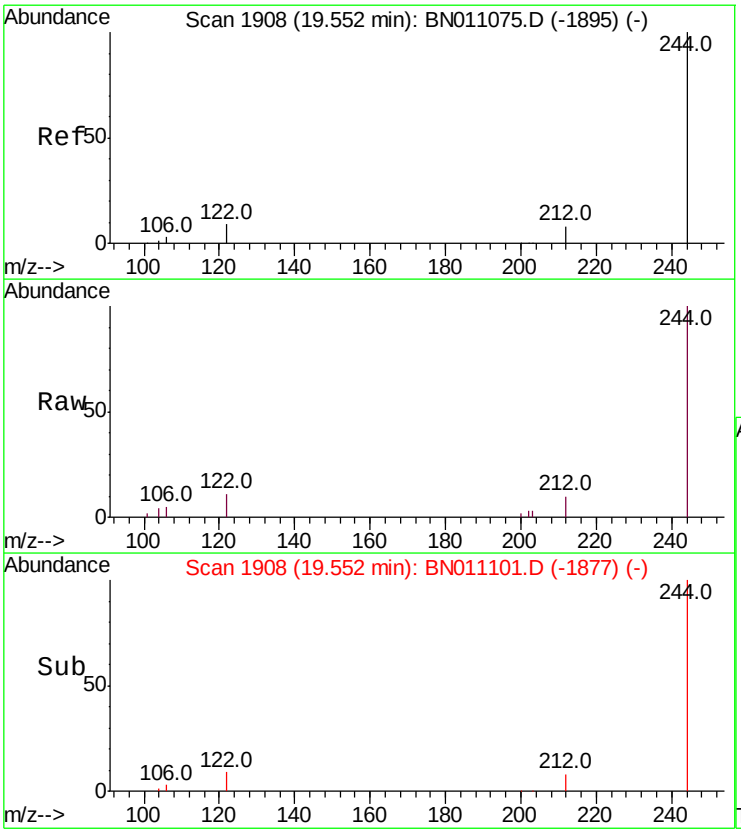
#30
Pyrene
Concen: 0.094 ng
RT: 19.33 min Scan# 1864
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:202 Resp: 1895

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.6	25.0
203	17.7	14.2	21.4

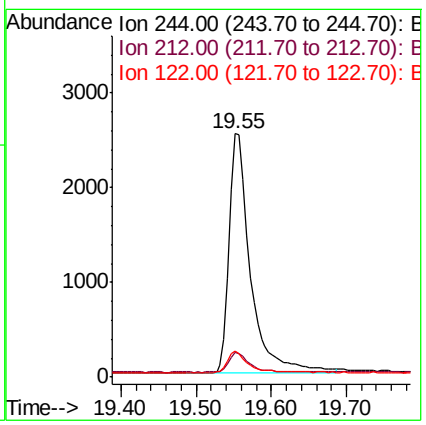


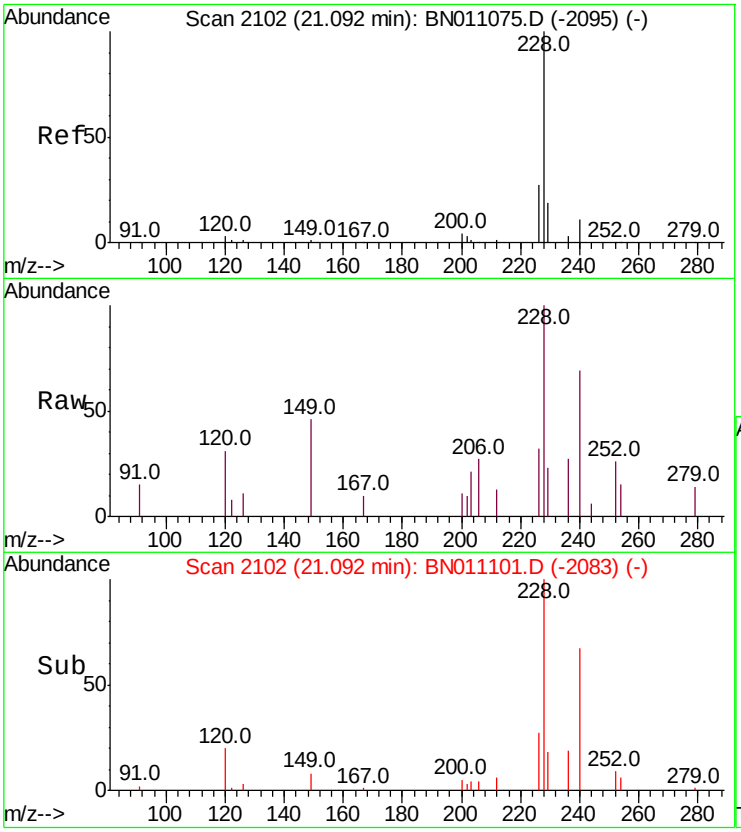


#31
Terphenyl-d14
Concen: 0.350 ng
RT: 19.55 min Scan# 1908
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:244 Resp: 4929

Ion	Ratio	Lower	Upper
244	100		
212	10.3	7.5	11.3
122	10.6	8.2	12.4



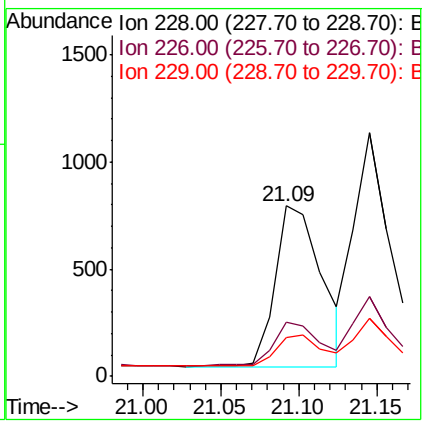


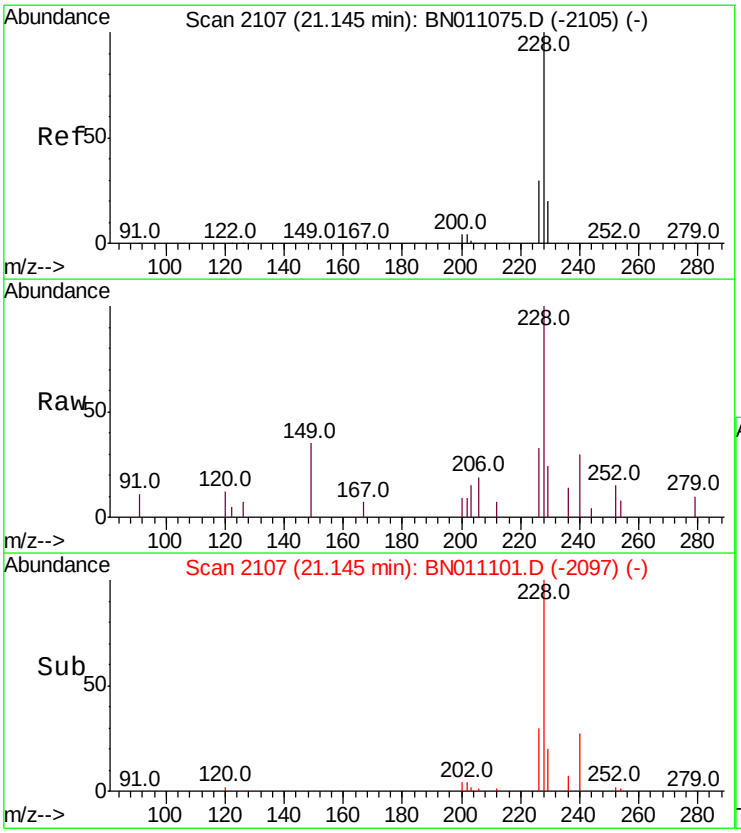
#32
Benzo(a)anthracene
Concen: 0.086 ng
RT: 21.09 min Scan# 2102
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:228 Resp: 1548

Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.0	33.0
229	23.1	16.1	24.1

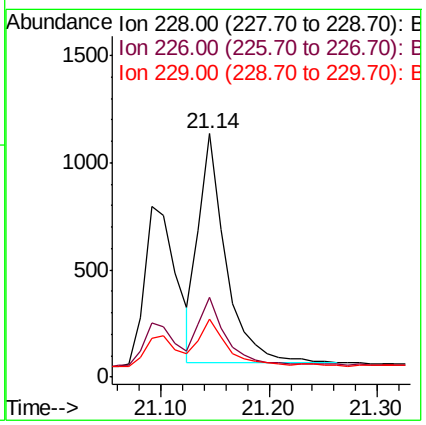


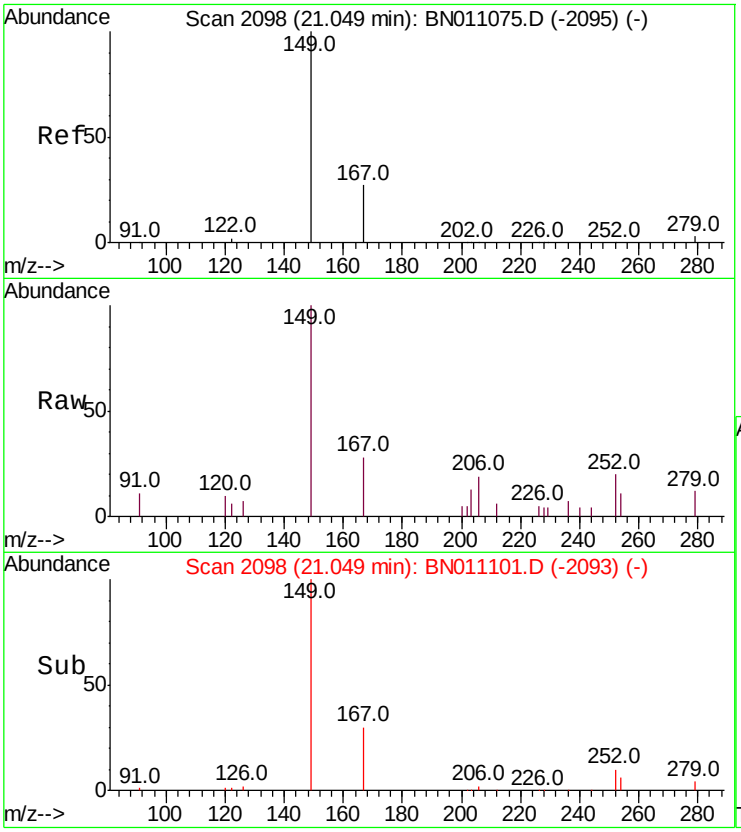


#33
Chrysene
Concen: 0.089 ng
RT: 21.14 min Scan# 2107
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:228 Resp: 1848

Ion	Ratio	Lower	Upper
228	100		
226	32.7	24.0	36.0
229	23.9	16.4	24.6



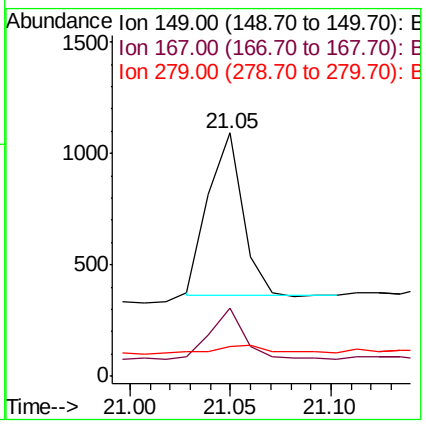


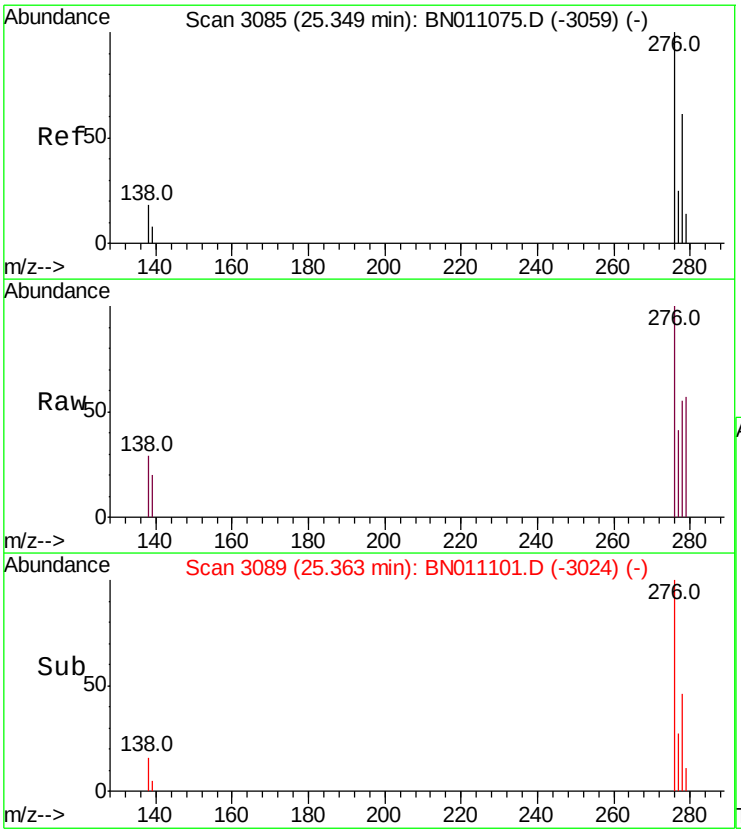
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.119 ng
RT: 21.05 min Scan# 2098
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:149 Resp: 868

Ion	Ratio	Lower	Upper
149	100		
167	29.6	22.2	33.4
279	3.8	4.5	6.7#

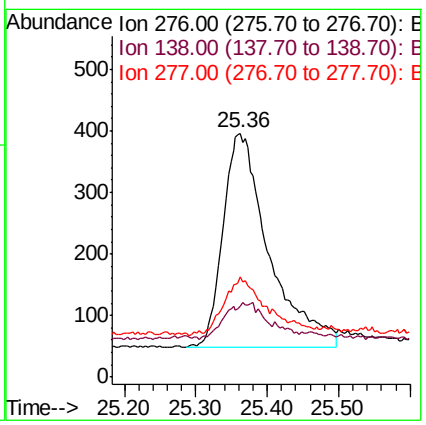


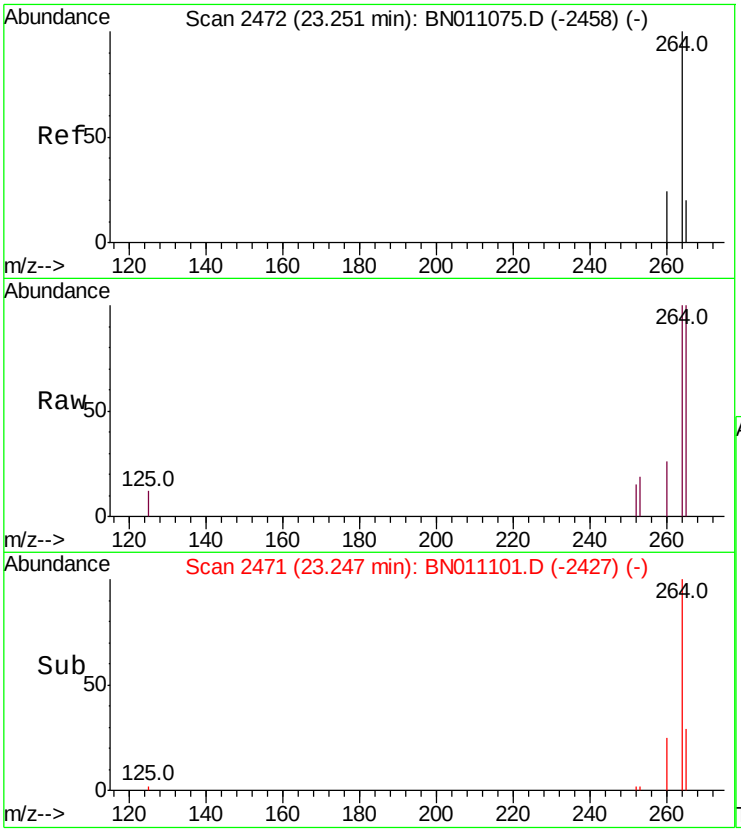


#35
Indeno(1,2,3-cd)pyrene
Concen: 0.072 ng
RT: 25.36 min Scan# 3089
Delta R.T. 0.02 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:276 Resp: 1557

Ion	Ratio	Lower	Upper
276	100		
138	5.1	15.4	23.0#
277	21.8	19.4	29.0



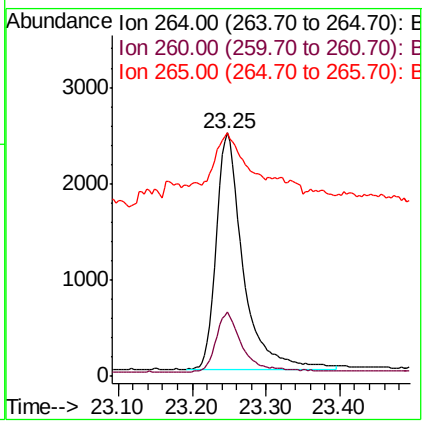


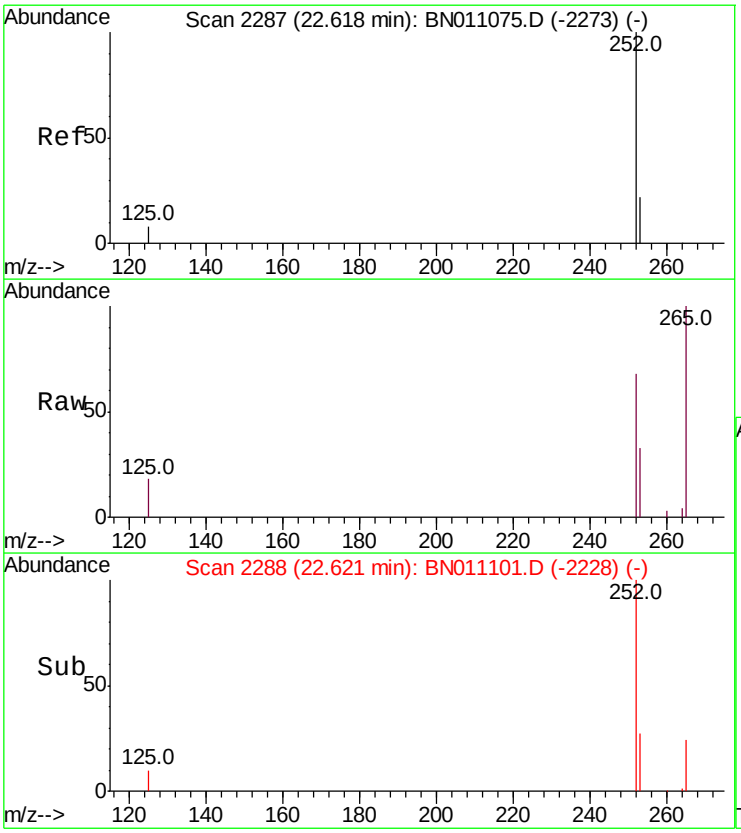
#36
Perylene-d12
Concen: 0.400 ng
RT: 23.25 min Scan# 2471
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:264 Resp: 6177

Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.4	30.6
265	99.8	83.0	124.6

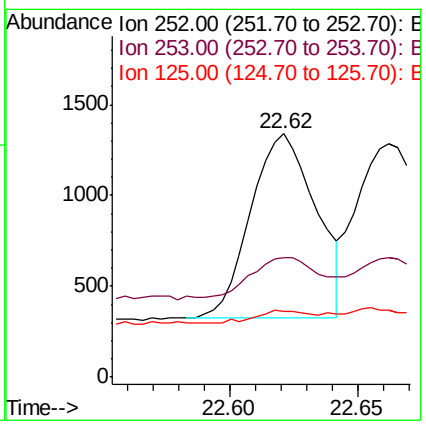


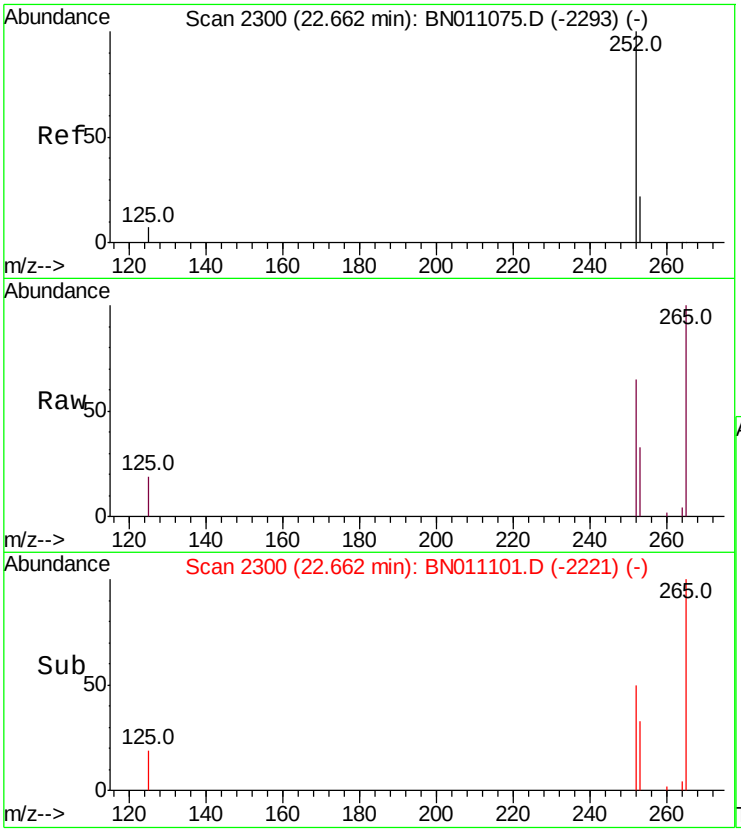


#37
Benzo(b)fluoranthene
Concen: 0.072 ng
RT: 22.62 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:252 Resp: 1790

Ion	Ratio	Lower	Upper
252	100		
253	48.8	22.7	34.1#
125	26.9	10.4	15.6#



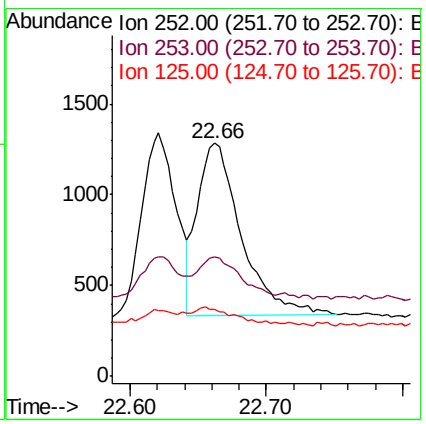


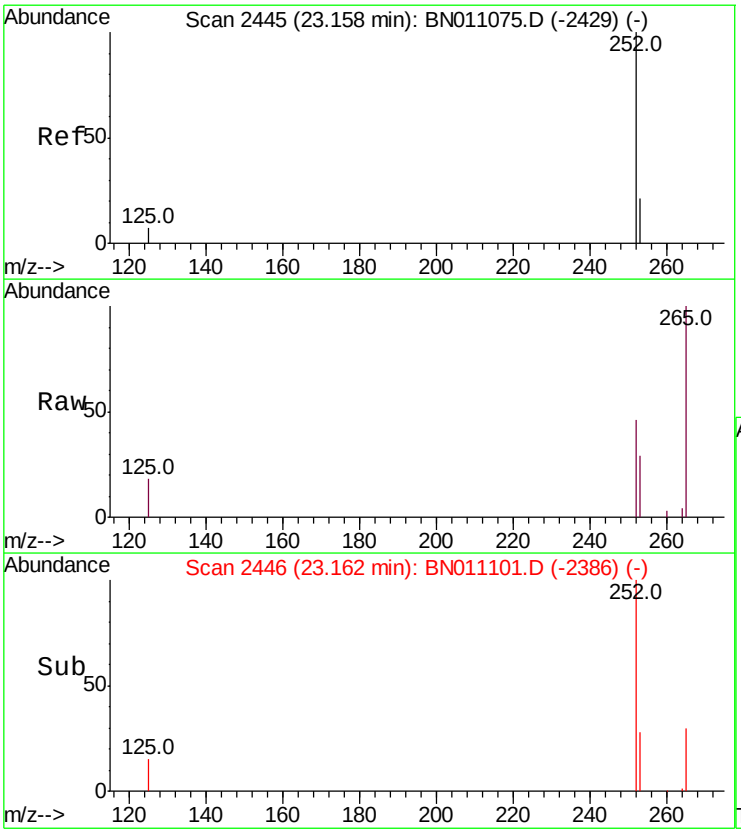
#38
Benzo(k)fluoranthene
Concen: 0.080 ng
RT: 22.66 min Scan# 2300
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:252 Resp: 2115

Ion	Ratio	Lower	Upper
252	100		
253	51.6	22.9	34.3#
125	28.8	10.6	15.8#

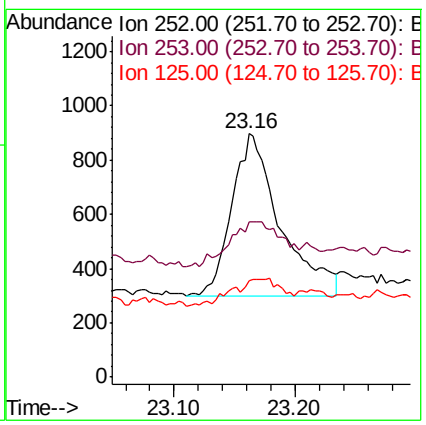


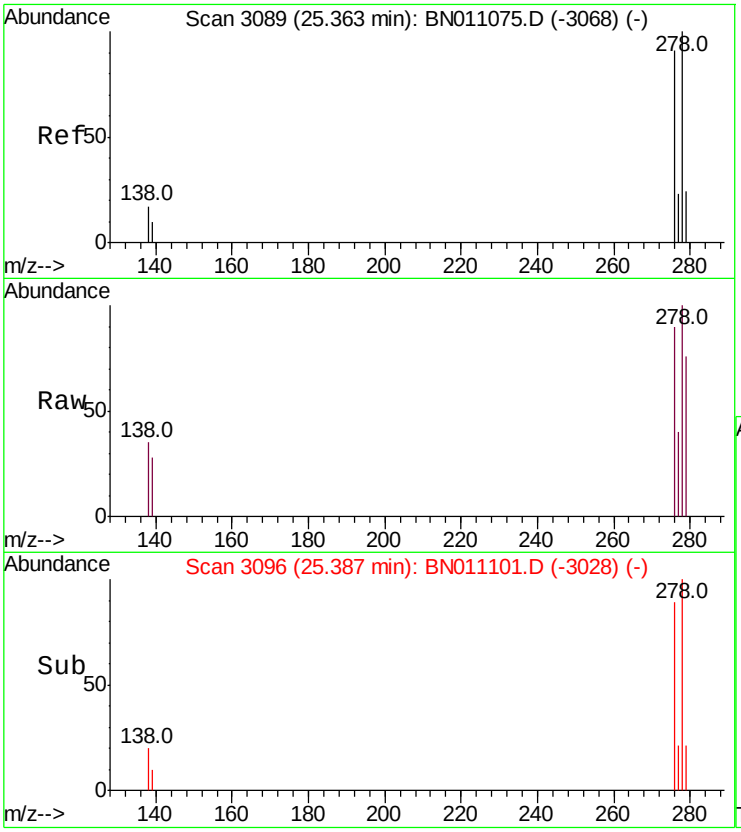


#39
Benzo(a)pyrene
Concen: 0.078 ng
RT: 23.16 min Scan# 2446
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:252 Resp: 1672

Ion	Ratio	Lower	Upper
252	100		
253	63.8	25.9	38.9#
125	39.4	12.5	18.7#



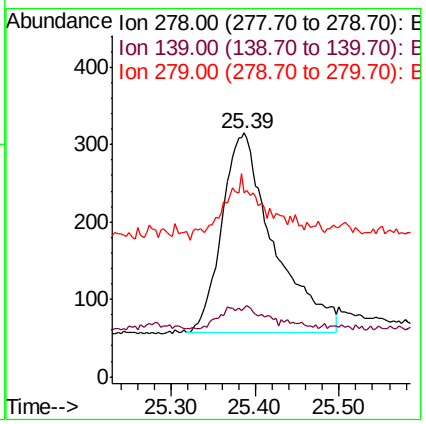


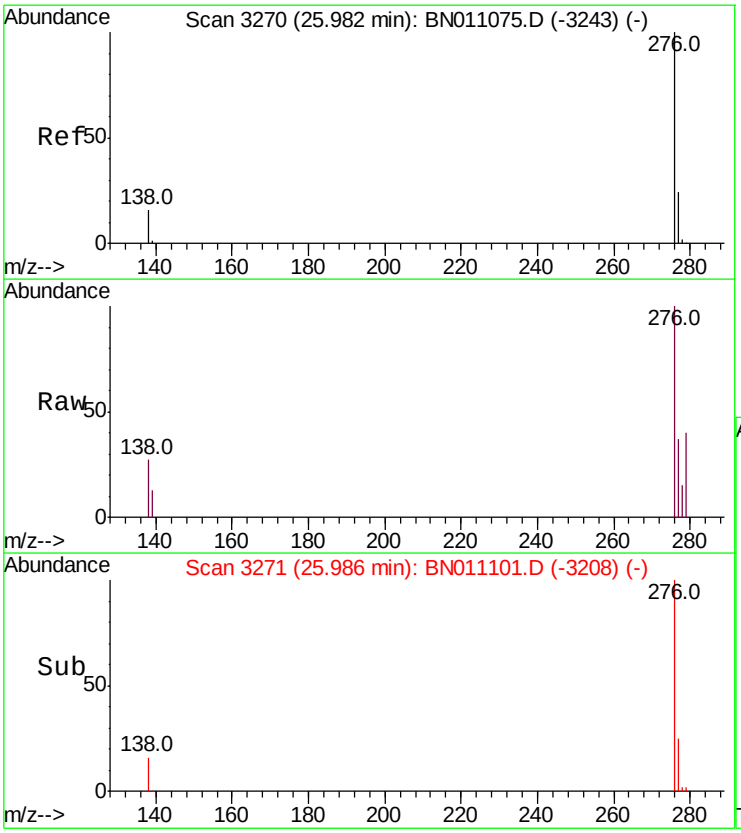
#40
Dibenzo(a,h)anthracene
Concen: 0.050 ng
RT: 25.39 min Scan# 3096
Delta R.T. 0.03 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tgt Ion:278 Resp: 1101

Ion	Ratio	Lower	Upper
278	100		
139	28.3	11.9	17.9#
279	75.6	25.5	38.3#





#41
Benzo(g,h,i)perylene
Concen: 0.068 ng
RT: 25.99 min Scan# 3271
Delta R.T. 0.02 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:276 Resp: 1646

Ion	Ratio	Lower	Upper
276	100		
277	36.6	21.1	31.7#
138	26.7	15.0	22.6#