Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111020\
Data File : BN012539.D
Acq On : 10 Nov 2020 19:40
Operator : CG/JU
Sample : L4485-03
Misc : MDL-S-03
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-SOIL-03

Quant Time: Nov 11 00:51:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN111020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 10 14:27:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	552	0.40	ng/ul	0.00
4) Naphthalene-d8	10.25	136	2273	0.40	ng/ul	0.01
9) Acenaphthene-d10	14.13	164	1246	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.88	188	2420	0.40	ng/ul	0.00
19) Chrysene-d12	21.08	240	2181	0.40	ng/ul	0.00
23) Perylene-d12	23.20	264	2296	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.01	96	546	0.73	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.86	152	954	0.30	ng/ul	0.03
17) Fluoranthene-d10	18.91	212	2030	0.34	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.04	88	62	0.082	ng/ul#	83
5) Naphthalene	10.31	128	381	0.060	ng/ul#	44
7) 2-Methylnaphthalene	11.95	142	247	0.060	ng/ul	93
8) 1-Methylnaphthalene	12.15	142	260	0.066	ng/ul	96
10) Acenaphthylene	13.84	152	376	0.068	ng/ul#	59
11) Acenaphthene	14.19	153	315	0.067	ng/ul#	92
12) Fluorene	15.20	166	339	0.064	ng/ul#	89
14) Pentachlorophenol	16.54	266	41	0.062	ng/ul	91
15) Phenanthrene	16.92	178	529	0.066	ng/ul#	66
16) Anthracene	17.03	178	430	0.065	ng/ul#	50
18) Fluoranthene	18.94	202	697	0.078	ng/ul#	76
20) Pyrene	19.31	202	741	0.072	ng/ul#	76
21) Benzo(a)anthracene	21.06	228	571	0.072	ng/ul#	85
22) Chrysene	21.12	228	768	0.080	ng/ul#	88
24) Benzo(b)fluoranthene	22.57	252	727	0.074	ng/ul#	41
25) Benzo(k)fluoranthene	22.62	252	832	0.074	ng/ul#	38
26) Benzo(a)pyrene	23.11	252	708	0.077	ng/ul#	19
27) Indeno(1,2,3-cd)pyrene	25.29	276	862	0.071	ng/ul	94
28) Dibenzo(a,h)anthracene	25.31	278	657	0.067	ng/ul#	17
29) Benzo(g,h,i)perylene	25.93	276	817	0.073	ng/ul#	74

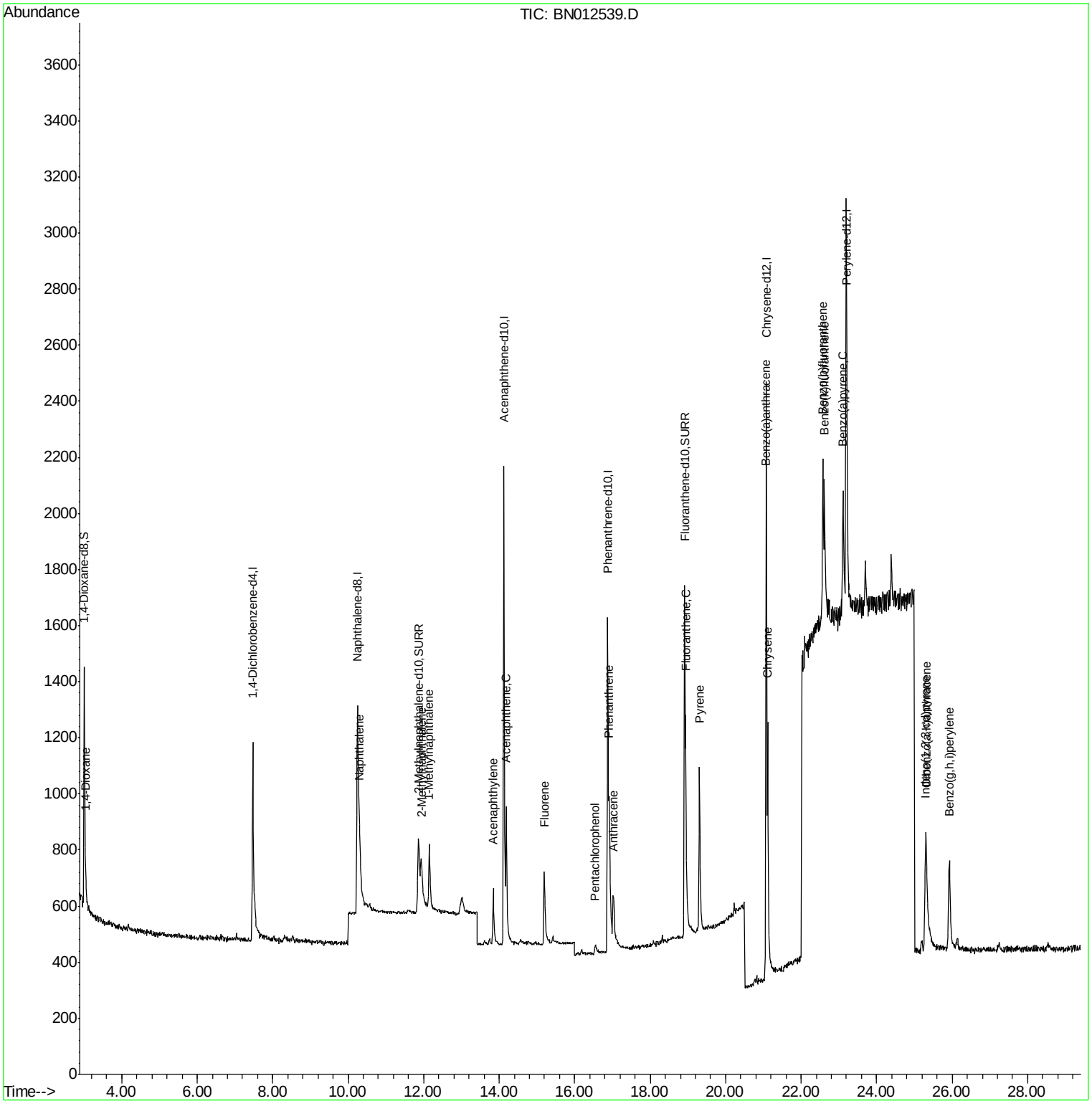
(#) = qualifier out of range (m) = manual integration (+) = signals summed

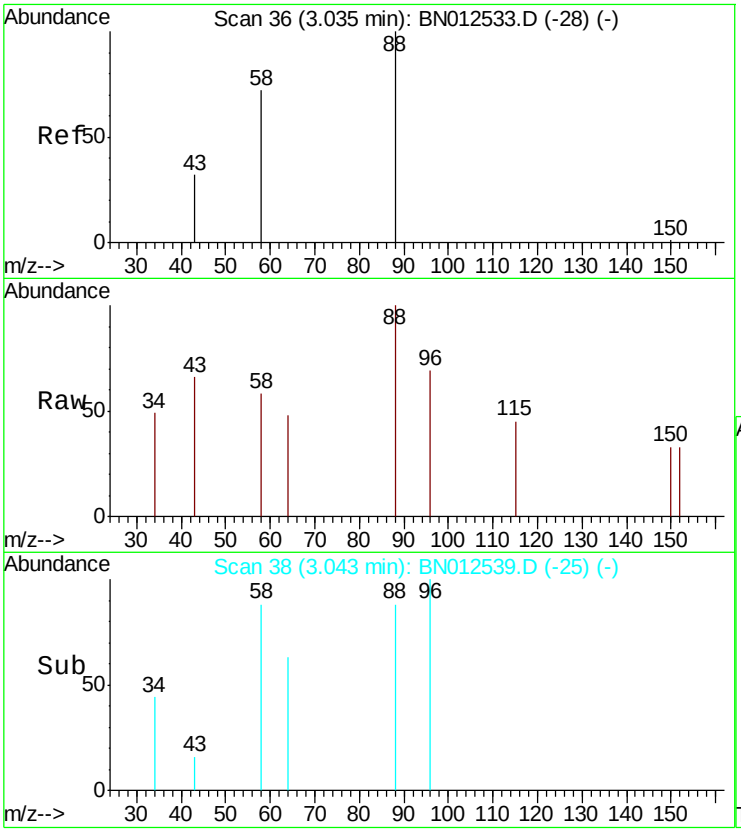
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111020\
Data File : BN012539.D
Acq On : 10 Nov 2020 19:40
Operator : CG/JU
Sample : L4485-03
Misc : MDL-S-03
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03

Quant Time: Nov 11 00:51:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN111020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 10 14:27:13 2020
Response via : Initial Calibration



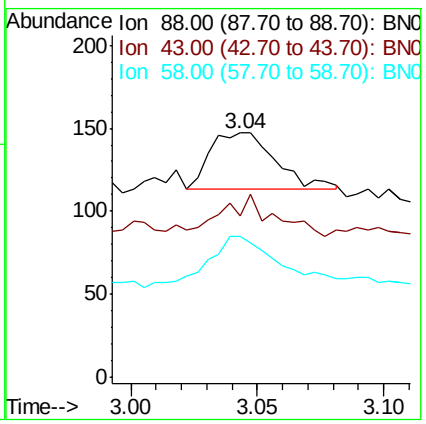


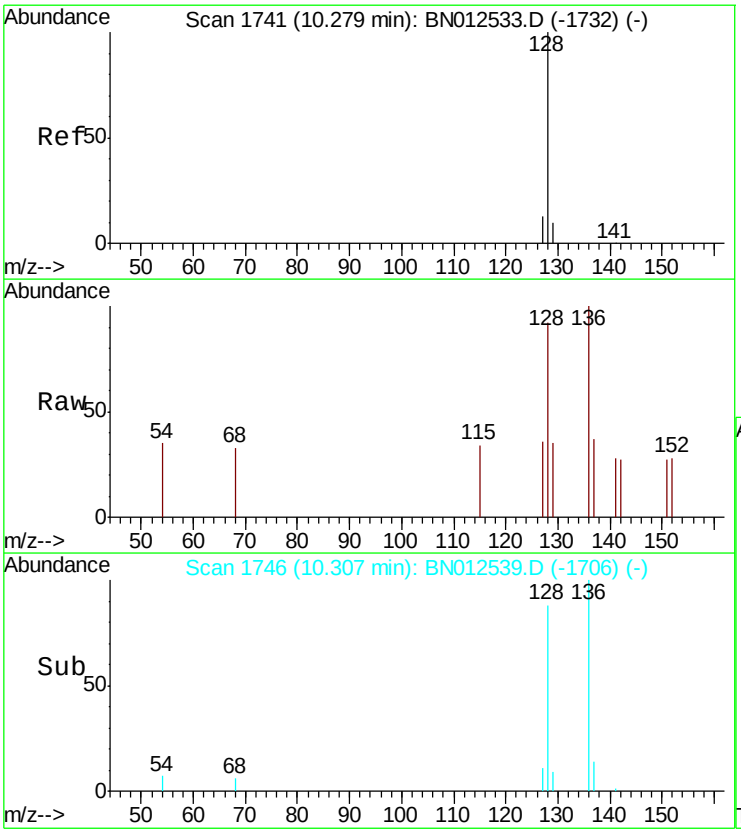
#2
1,4-Dioxane
Concen: 0.082 ng/ul
RT: 3.04 min Scan# 38
Delta R.T. 0.00 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03

Tgt Ion: 88 Resp: 62

Ion	Ratio	Lower	Upper
88	100		
43	66.0	42.7	64.1#
58	57.8	57.3	85.9

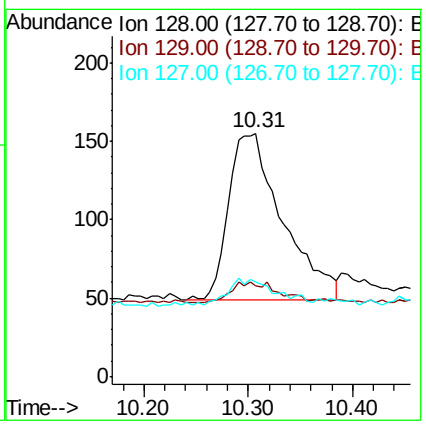


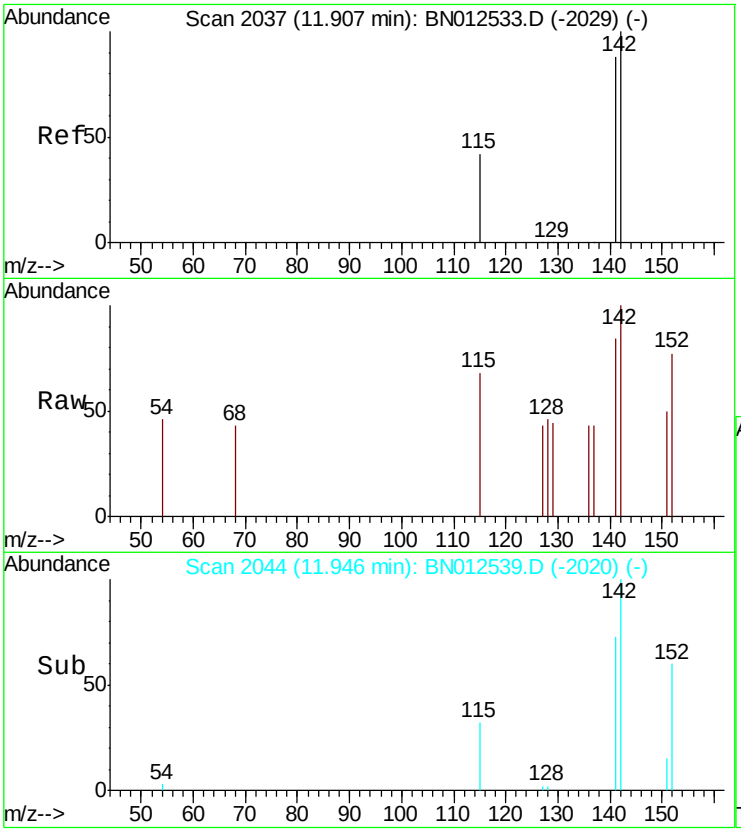


#5
Naphthalene
Concen: 0.060 ng/ul
RT: 10.31 min Scan# 1746
Delta R.T. 0.02 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Tgt Ion:128 Resp: 381

Ion	Ratio	Lower	Upper
128	100		
129	37.4	11.1	16.7#
127	38.7	12.6	18.8#



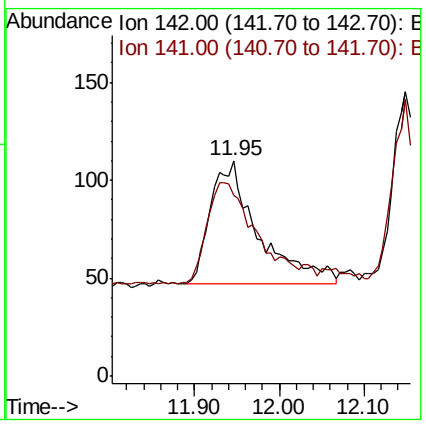


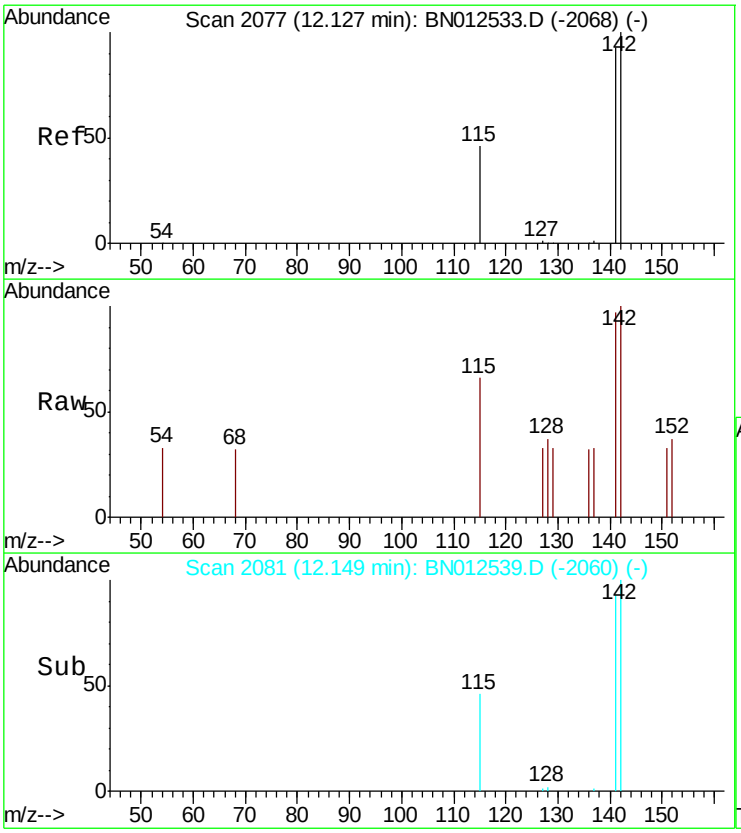
#7
2-Methylnaphthalene
Concen: 0.060 ng/ul
RT: 11.95 min Scan# 2044
Delta R.T. 0.03 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03

Tgt Ion:142 Resp: 247

Ion	Ratio	Lower	Upper
142	100		
141	83.8	72.1	108.1

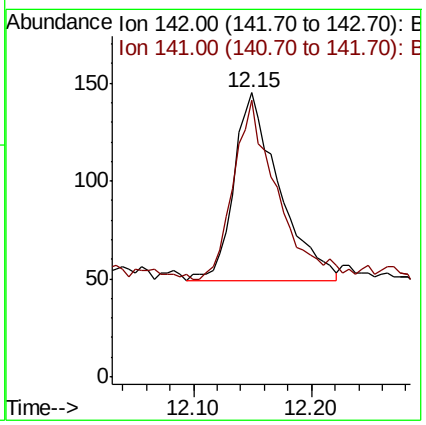


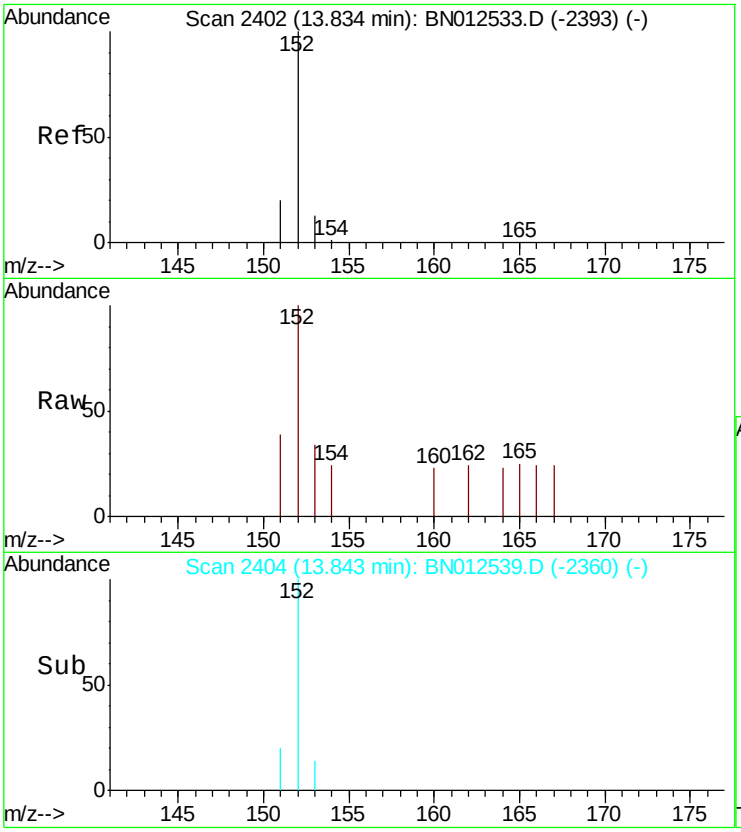


#8
1-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 12.15 min Scan# 2081
Delta R.T. 0.02 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Tgt Ion:142 Resp: 260

Ion	Ratio	Lower	Upper
142	100		
141	90.4	75.3	112.9



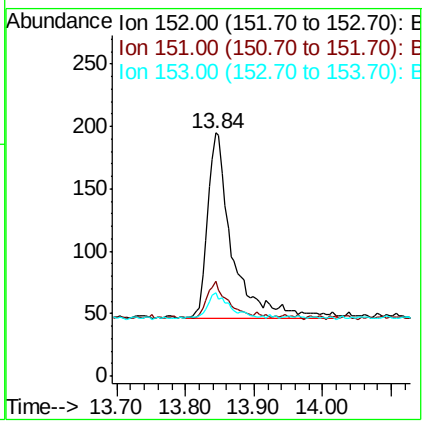


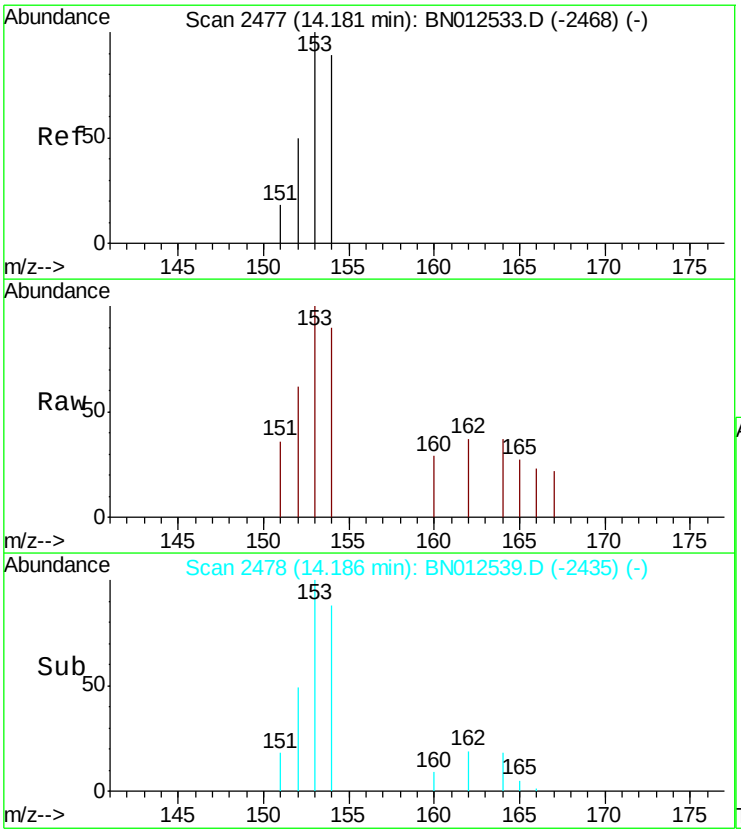
#10
Acenaphthylene
Concen: 0.068 ng/ul
RT: 13.84 min Scan# 2404
Delta R.T. 0.00 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03

Tgt Ion:152 Resp: 376

Ion	Ratio	Lower	Upper
152	100		
151	39.0	17.0	25.4#
153	34.4	12.5	18.7#

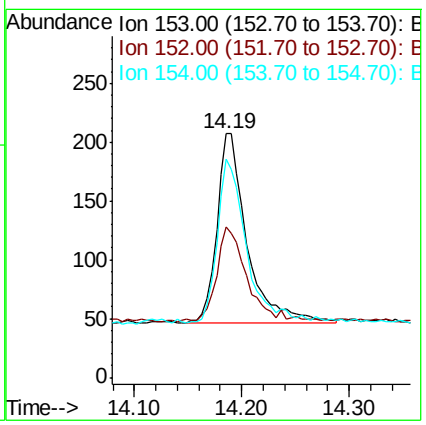


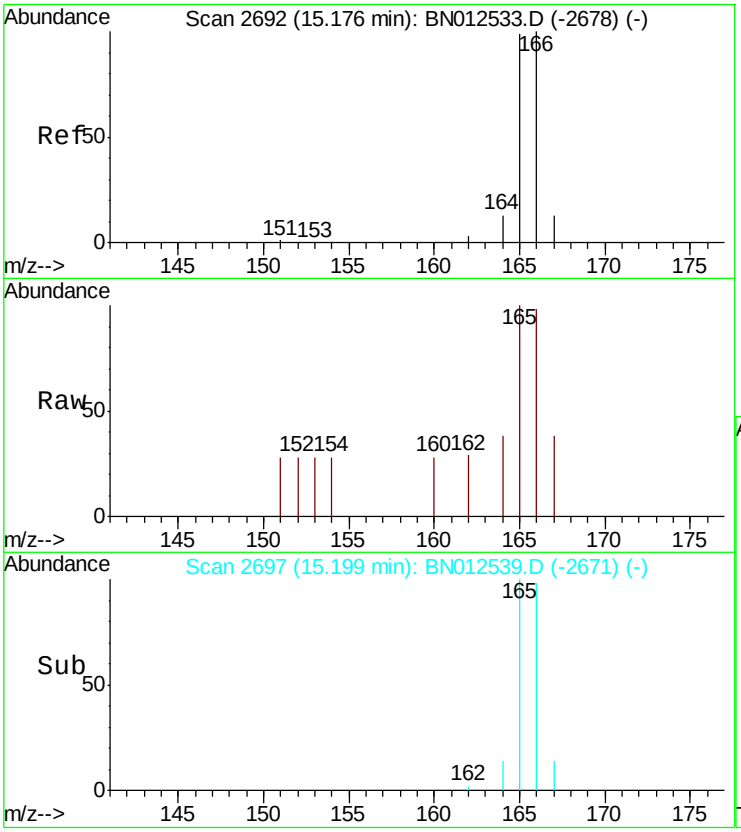


#11
Acenaphthene
Concen: 0.067 ng/ul
RT: 14.19 min Scan# 2478
Delta R.T. 0.00 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Tgt Ion:153 Resp: 315

Ion	Ratio	Lower	Upper
153	100		
152	61.8	39.9	59.9#
154	89.9	69.9	104.9



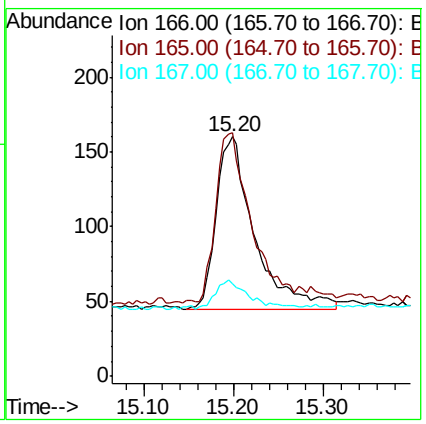


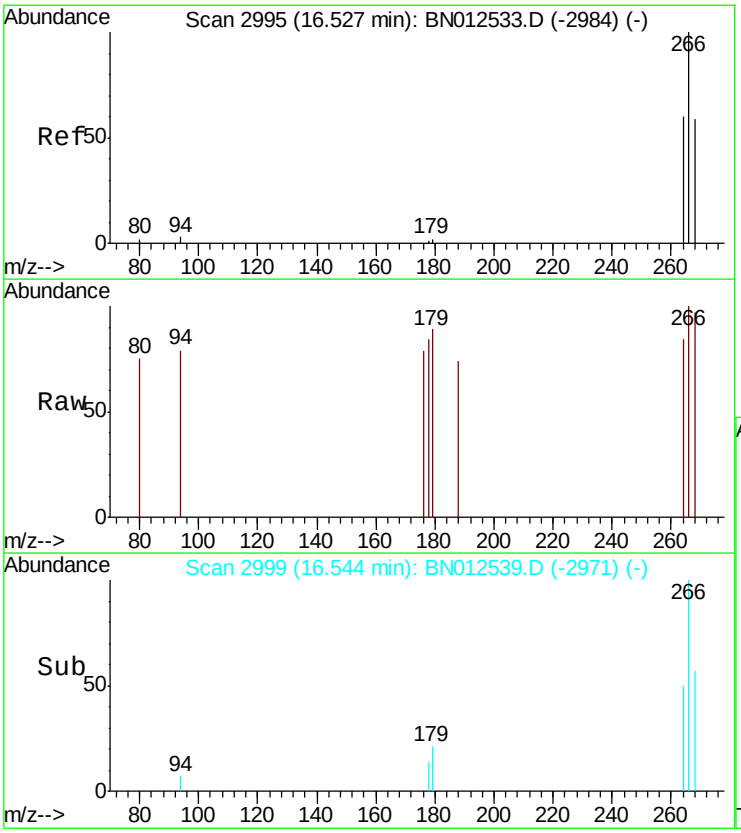
#12
Fluorene
Concen: 0.064 ng/ul
RT: 15.20 min Scan# 2697
Delta R.T. 0.02 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03

Tgt Ion:166 Resp: 339

Ion	Ratio	Lower	Upper
166	100		
165	101.9	78.6	117.8
167	38.7	12.6	19.0#

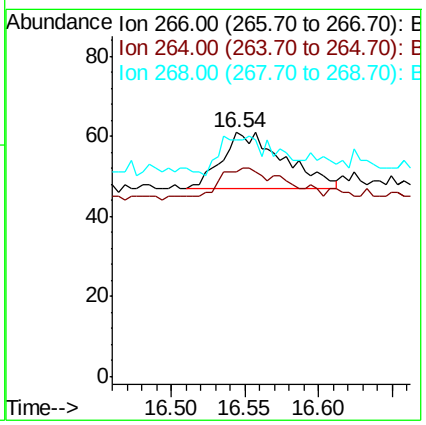


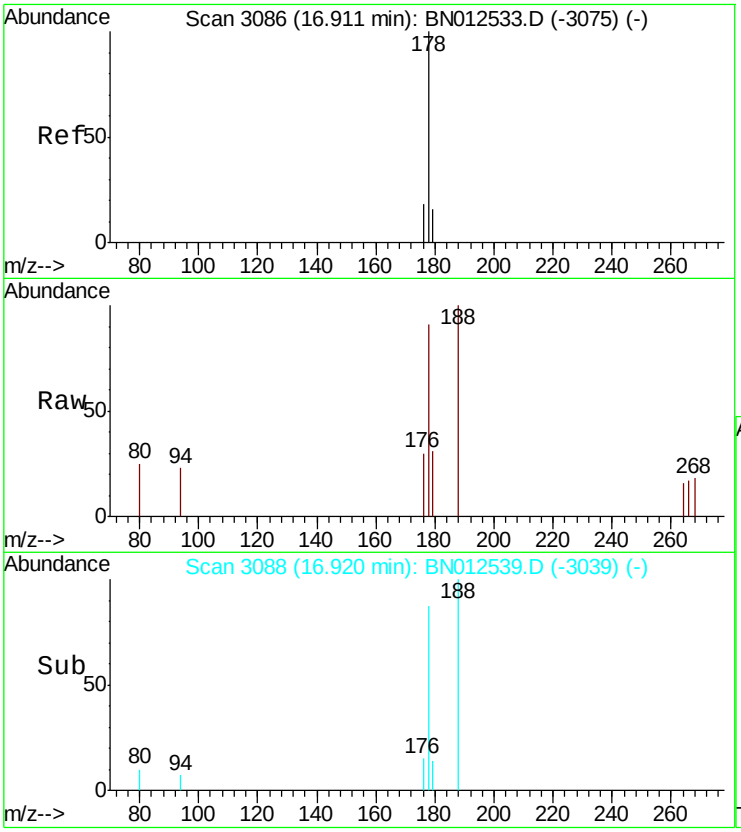


#14
Pentachlorophenol
Concen: 0.062 ng/ul
RT: 16.54 min Scan# 2999
Delta R.T. 0.02 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Tgt Ion:266 Resp: 41

Ion	Ratio	Lower	Upper
266	100		
264	48.8	48.6	73.0
268	65.9	55.2	82.8



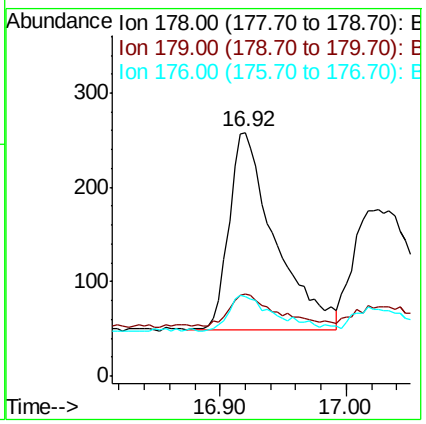


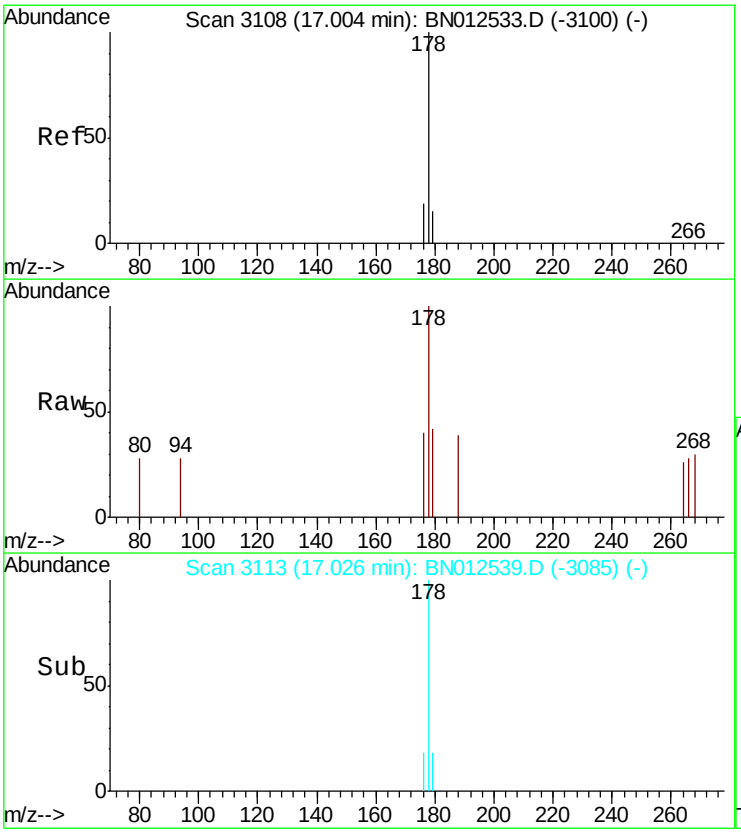
#15
Phenanthrene
Concen: 0.066 ng/ul
RT: 16.92 min Scan# 3088
Delta R.T. 0.01 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03

Tgt Ion:178 Resp: 529

Ion	Ratio	Lower	Upper
178	100		
179	33.7	13.0	19.6#
176	32.6	15.8	23.8#

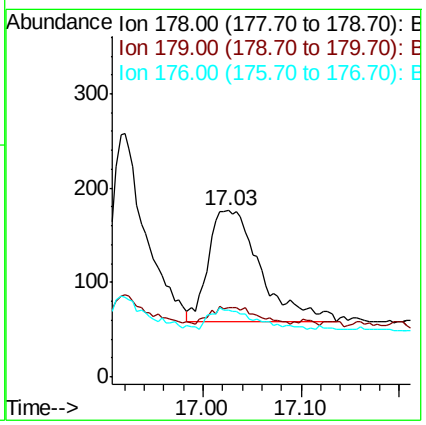


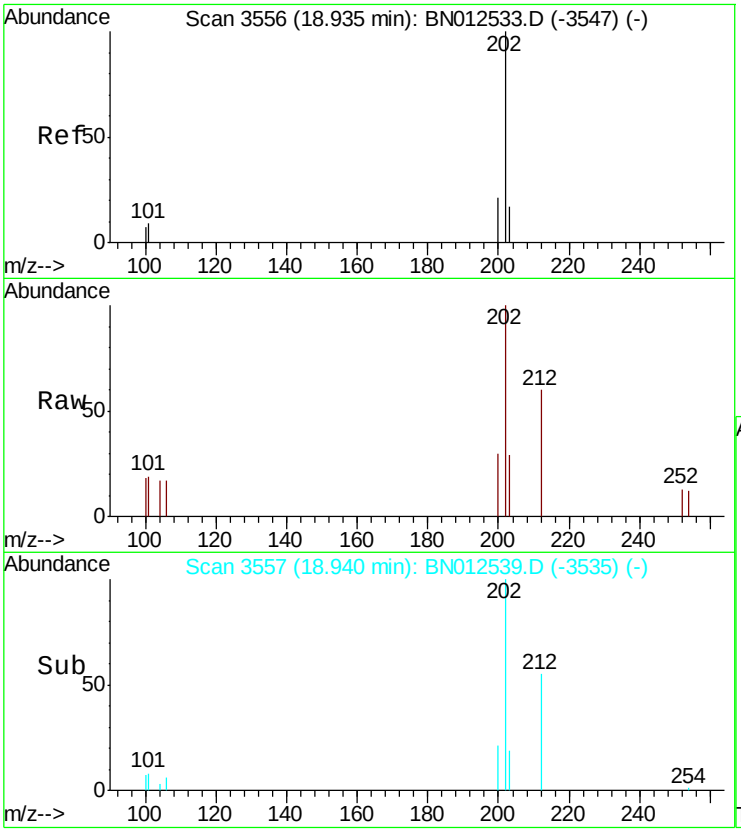


#16
Anthracene
Concen: 0.065 ng/ul
RT: 17.03 min Scan# 3113
Delta R.T. 0.02 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Tgt Ion:178 Resp: 430

Ion	Ratio	Lower	Upper
178	100		
179	42.0	14.2	21.4#
176	40.3	15.9	23.9#



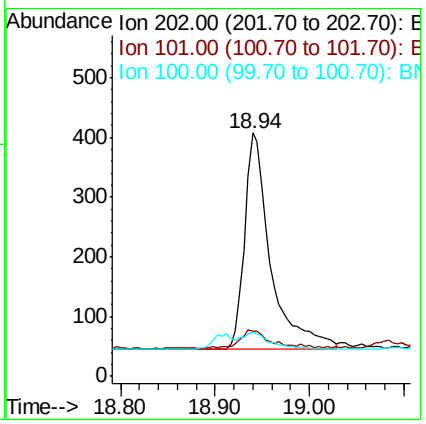


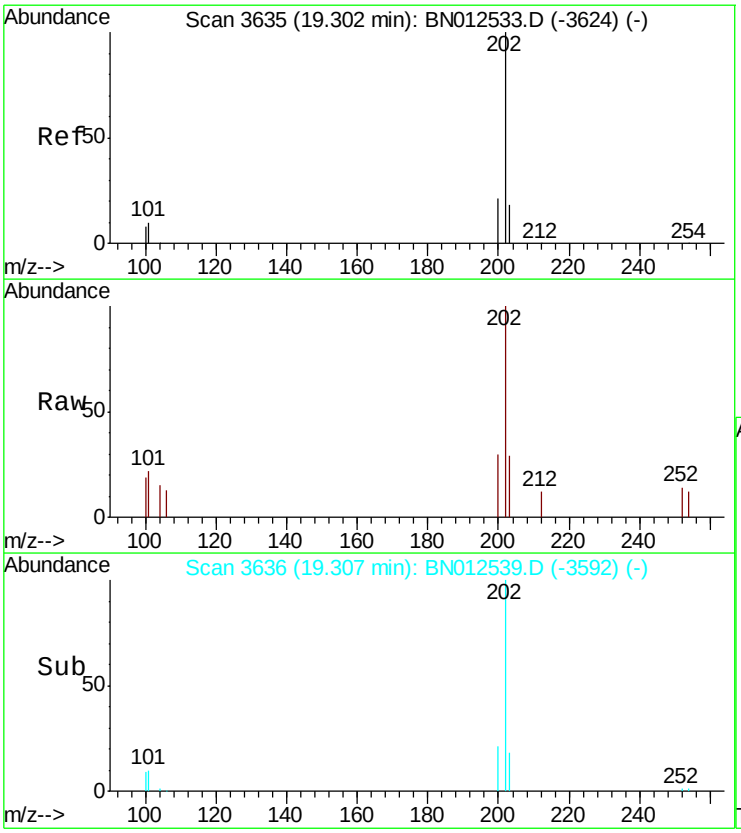
#18
Fluoranthene
Concen: 0.078 ng/ul
RT: 18.94 min Scan# 3557
Delta R.T. 0.00 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03

Tgt Ion:202 Resp: 697

Ion	Ratio	Lower	Upper
202	100		
101	18.6	8.2	12.2#
100	17.9	6.9	10.3#

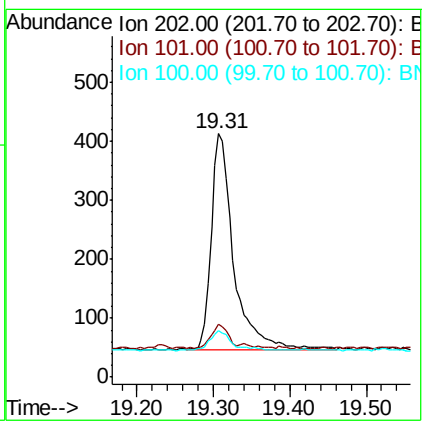


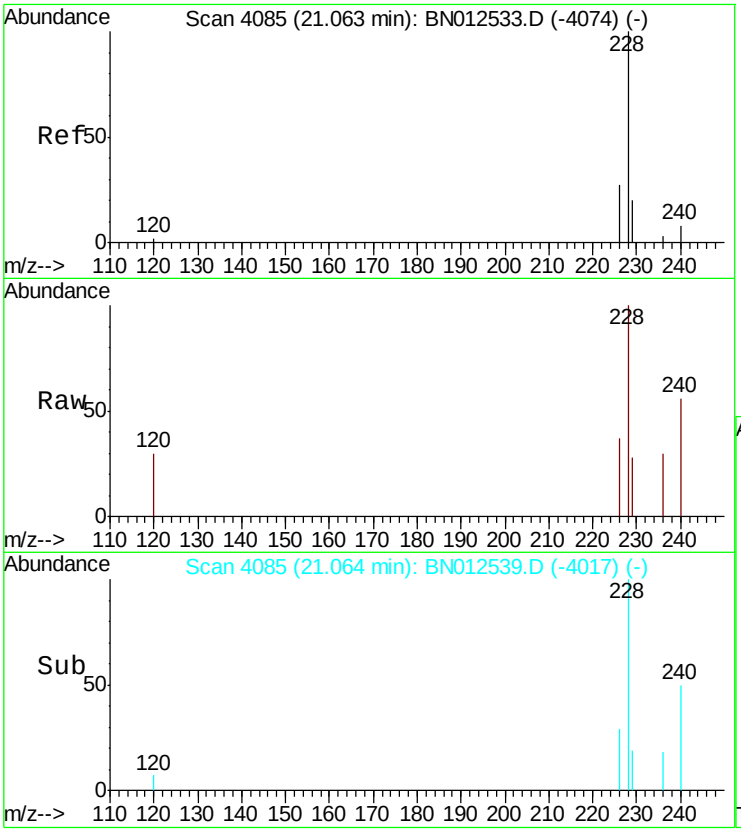


#20
Pyrene
Concen: 0.072 ng/ul
RT: 19.31 min Scan# 3636
Delta R.T. 0.00 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Tgt Ion:202 Resp: 741

Ion	Ratio	Lower	Upper
202	100		
101	21.5	9.4	14.2#
100	19.4	8.6	12.8#



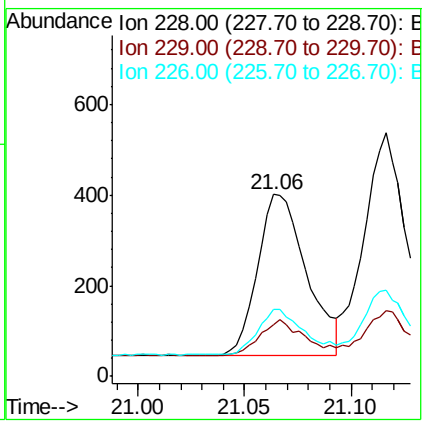


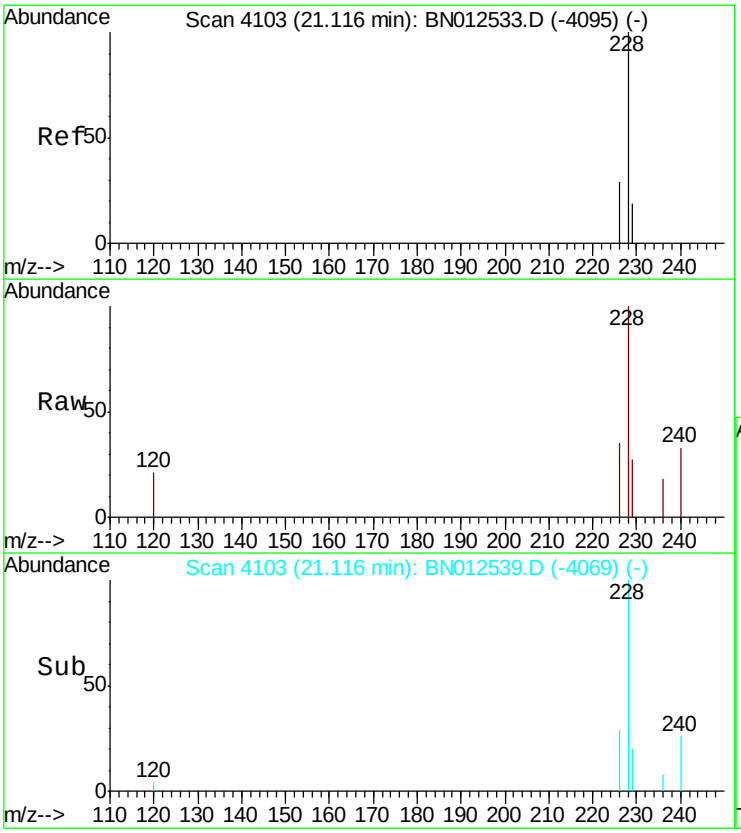
#21
Benzo(a)anthracene
Concen: 0.072 ng/ul
RT: 21.06 min Scan# 4085
Delta R.T. 0.00 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03

Tgt Ion:228 Resp: 571

Ion	Ratio	Lower	Upper
228	100		
229	28.2	16.6	25.0#
226	37.2	23.5	35.3#

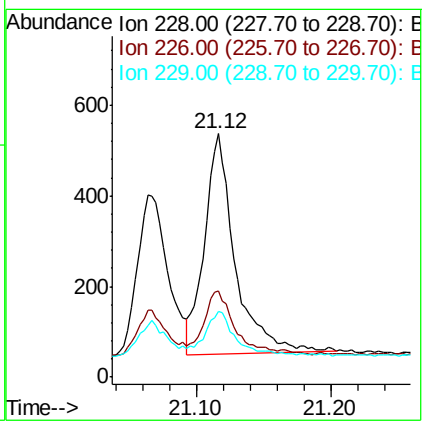


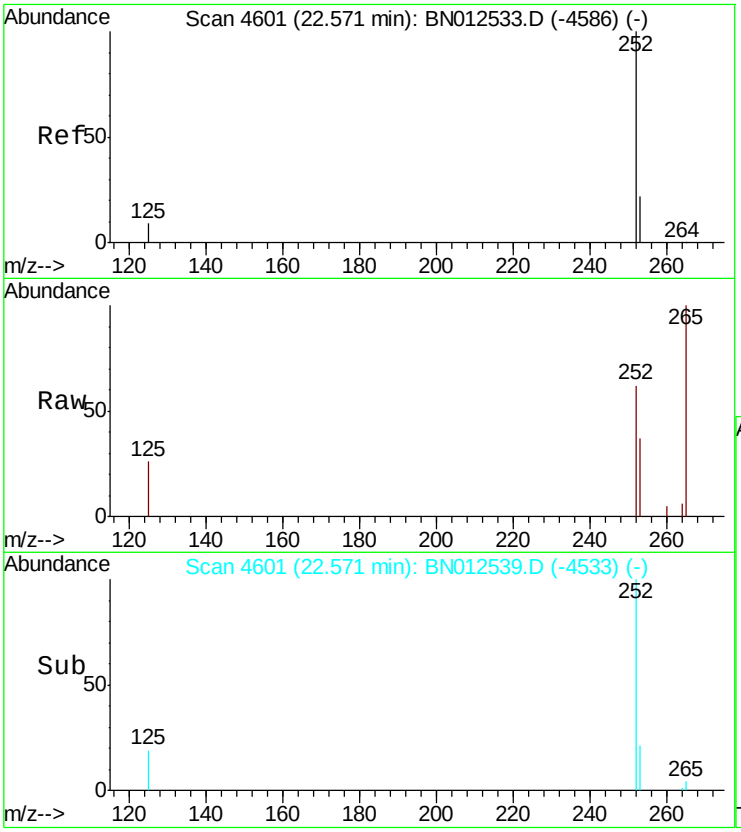


#22
Chrysene
Concen: 0.080 ng/ul
RT: 21.12 min Scan# 4103
Delta R.T. 0.00 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Tgt Ion:228 Resp: 768

Ion	Ratio	Lower	Upper
228	100		
226	35.4	23.9	35.9
229	27.0	16.6	24.8#



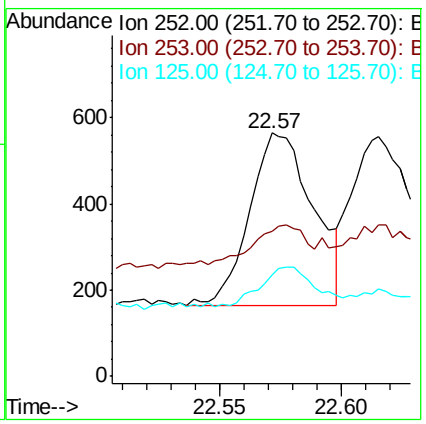


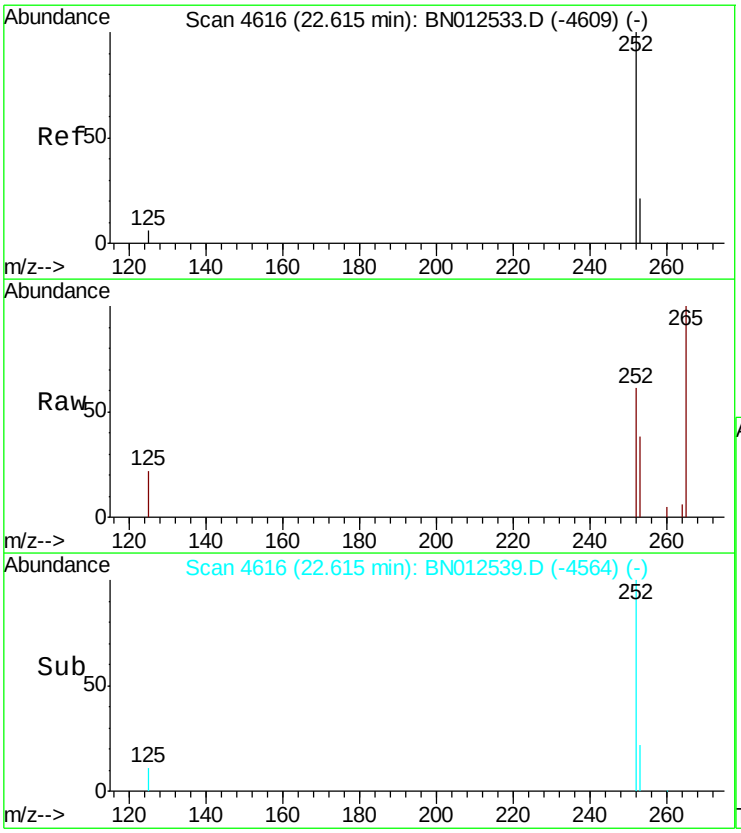
#24
Benzo(b)fluoranthene
Concen: 0.074 ng/ul
RT: 22.57 min Scan# 4601
Delta R.T. 0.00 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03

Tgt Ion:252 Resp: 727

Ion	Ratio	Lower	Upper
252	100		
253	59.6	0.0	59.2#
125	41.9	0.0	30.2#

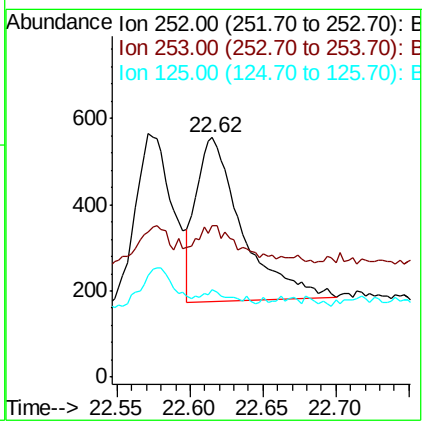


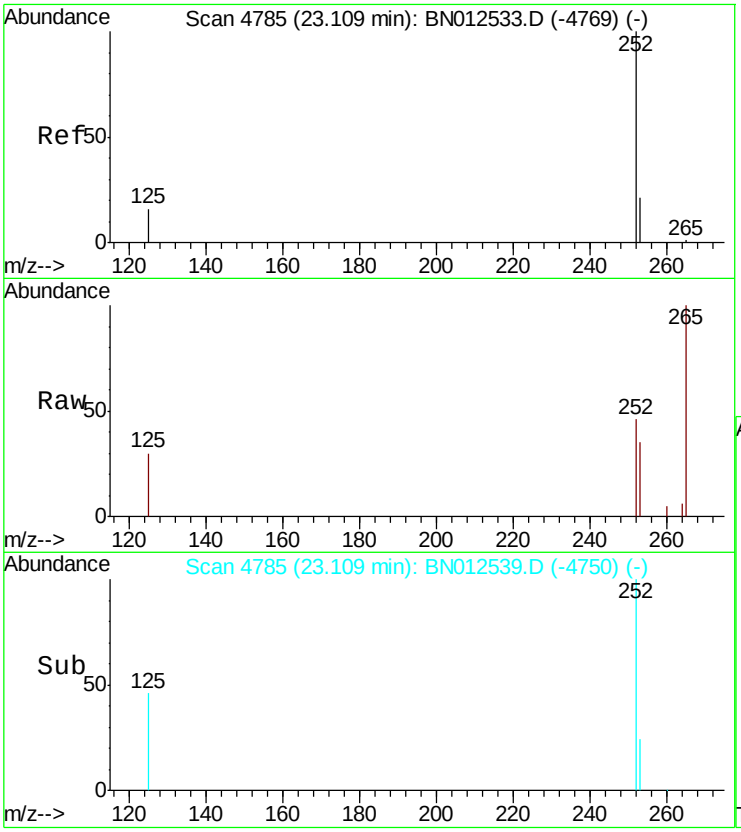


#25
Benzo(k)fluoranthene
Concen: 0.074 ng/ul
RT: 22.62 min Scan# 4616
Delta R.T. 0.00 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Tgt Ion:252 Resp: 832

Ion	Ratio	Lower	Upper
252	100		
253	62.9	23.3	34.9#
125	36.5	10.6	15.8#



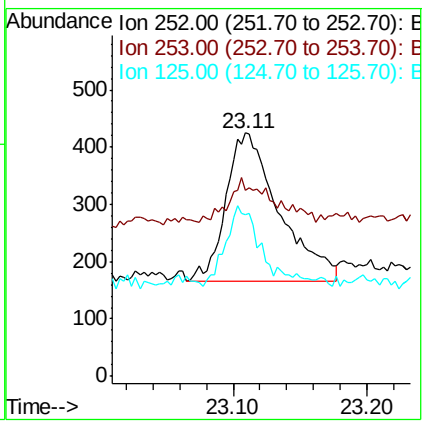


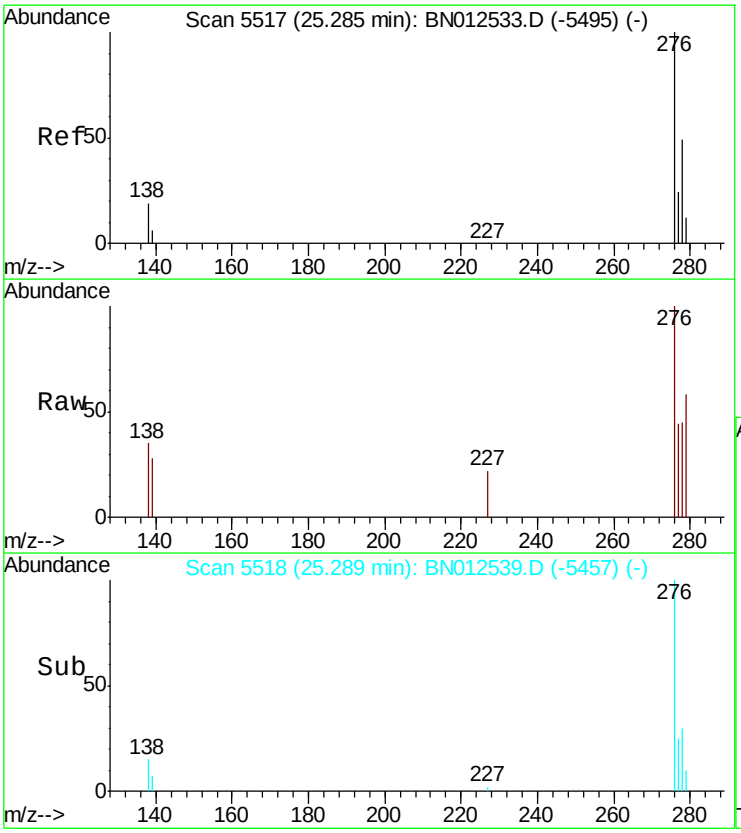
#26
Benzo(a)pyrene
Concen: 0.077 ng/ul
RT: 23.11 min Scan# 4785
Delta R.T. 0.00 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03

Tgt Ion:252 Resp: 708

Ion	Ratio	Lower	Upper
252	100		
253	76.5	27.4	41.0#
125	66.4	17.7	26.5#

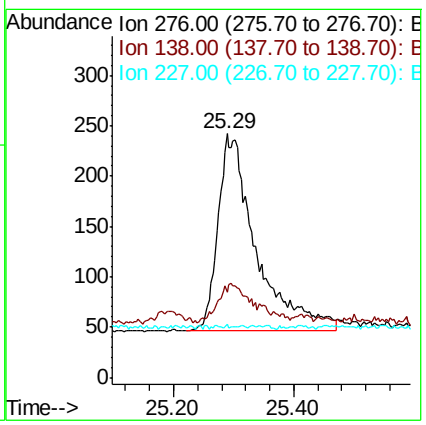


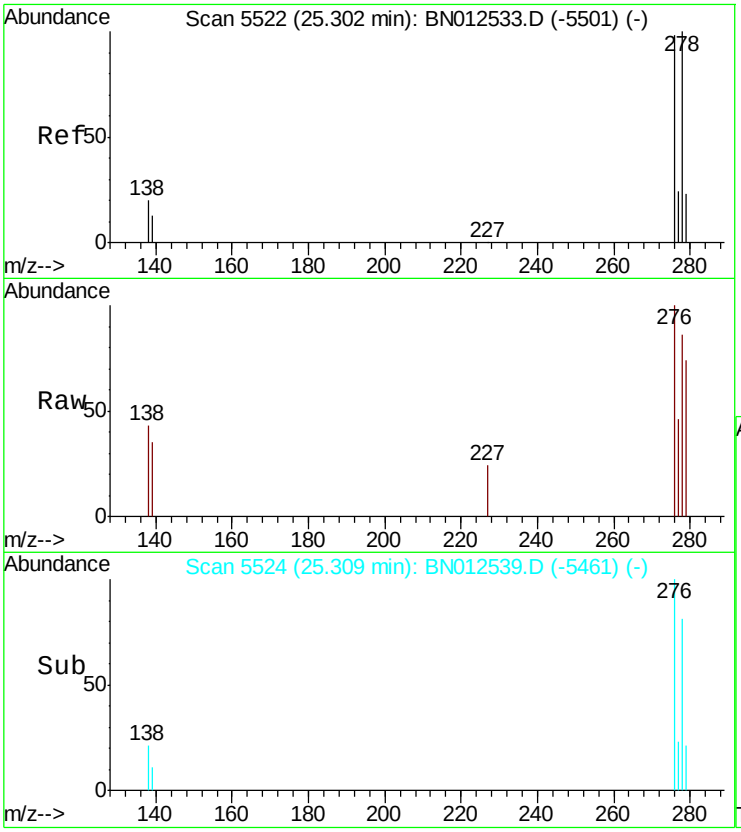


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.071 ng/ul
RT: 25.29 min Scan# 5518
Delta R.T. 0.00 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Tgt Ion:276 Resp: 862

Ion	Ratio	Lower	Upper
276	100		
138	17.6	16.3	24.5
227	0.1	0.1	0.1



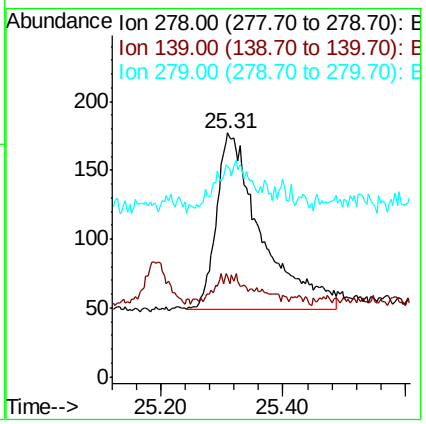


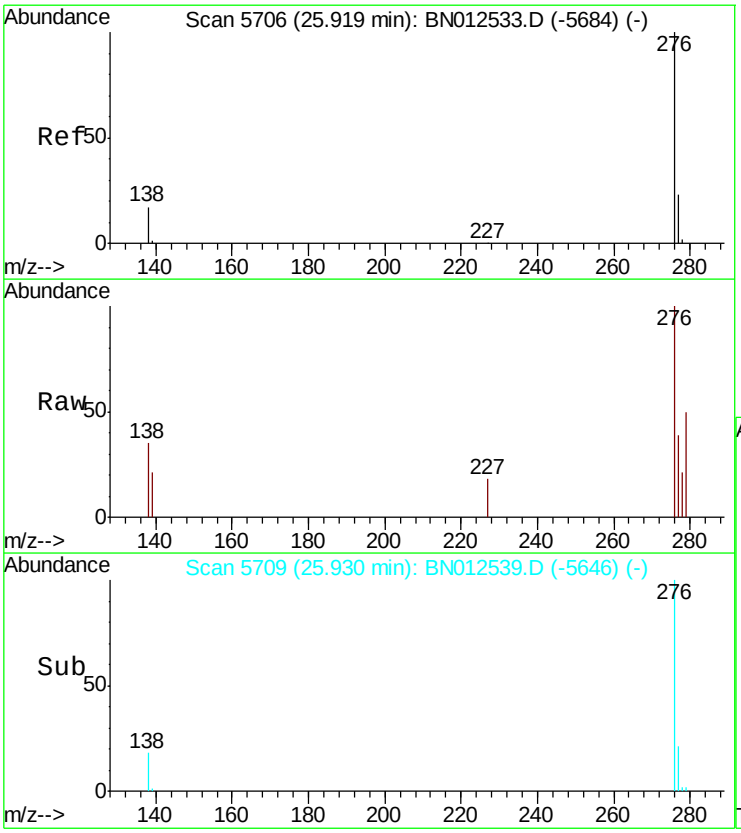
#28
Dibenzo(a,h)anthracene
Concen: 0.067 ng/ul
RT: 25.31 min Scan# 5524
Delta R.T. 0.01 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03

Tgt Ion:278 Resp: 657

Ion	Ratio	Lower	Upper
278	100		
139	41.2	13.4	20.2#
279	86.4	25.8	38.6#





#29
Benzo(g,h,i)perylene
Concen: 0.073 ng/ul
RT: 25.93 min Scan# 5709
Delta R.T. 0.01 min
Lab File: BN012539.D
Acq: 10 Nov 2020 19:40

Tgt Ion:276 Resp: 817

Ion	Ratio	Lower	Upper
276	100		
138	35.3	17.1	25.7#
277	38.7	21.4	32.0#