Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111020\
Data File : BN012535.D
Acq On : 10 Nov 2020 17:16
Operator : CG/JU
Sample : L4485-01
Misc : MDL-S-01
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-SOIL-01

Quant Time: Nov 10 17:50:04 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	810	0.40	ng/ul	0.00
4) Naphthalene-d8	10.24	136	3045	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.12	164	1658	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.88	188	3131	0.40	ng/ul	0.00
19) Chrysene-d12	21.08	240	2754	0.40	ng/ul	0.00
23) Perylene-d12	23.20	264	2896	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.01	96	646	0.59	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.86	152	1137	0.26	ng/ul	0.02
17) Fluoranthene-d10	18.91	212	2258	0.29	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.04	88	83	0.075	ng/ul#	85
5) Naphthalene	10.29	128	573	0.067	ng/ul#	60
7) 2-Methylnaphthalene	11.92	142	347	0.063	ng/ul	95
8) 1-Methylnaphthalene	12.14	142	336	0.063	ng/ul	97
10) Acenaphthylene	13.84	152	458	0.063	ng/ul#	70
11) Acenaphthene	14.19	153	407	0.065	ng/ul#	93
12) Fluorene	15.19	166	408	0.058	ng/ul#	91
14) Pentachlorophenol	16.54	266	40	0.047	ng/ul#	82
15) Phenanthrene	16.92	178	653	0.063	ng/ul#	72
16) Anthracene	17.02	178	477	0.056	ng/ul#	60
18) Fluoranthene	18.94	202	838	0.073	ng/ul#	82
20) Pyrene	19.31	202	876	0.067	ng/ul#	83
21) Benzo(a)anthracene	21.07	228	687	0.068	ng/ul#	92
22) Chrysene	21.12	228	902	0.075	ng/ul#	88
24) Benzo(b)fluoranthene	22.58	252	845	0.068	ng/ul#	48
25) Benzo(k)fluoranthene	22.62	252	993	0.070	ng/ul#	47
26) Benzo(a)pyrene	23.11	252	883	0.076	ng/ul#	22
27) Indeno(1,2,3-cd)pyrene	25.30	276	1032	0.067	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.32	278	803	0.065	ng/ul#	31
29) Benzo(g,h,i)perylene	25.93	276	940	0.066	ng/ul#	78

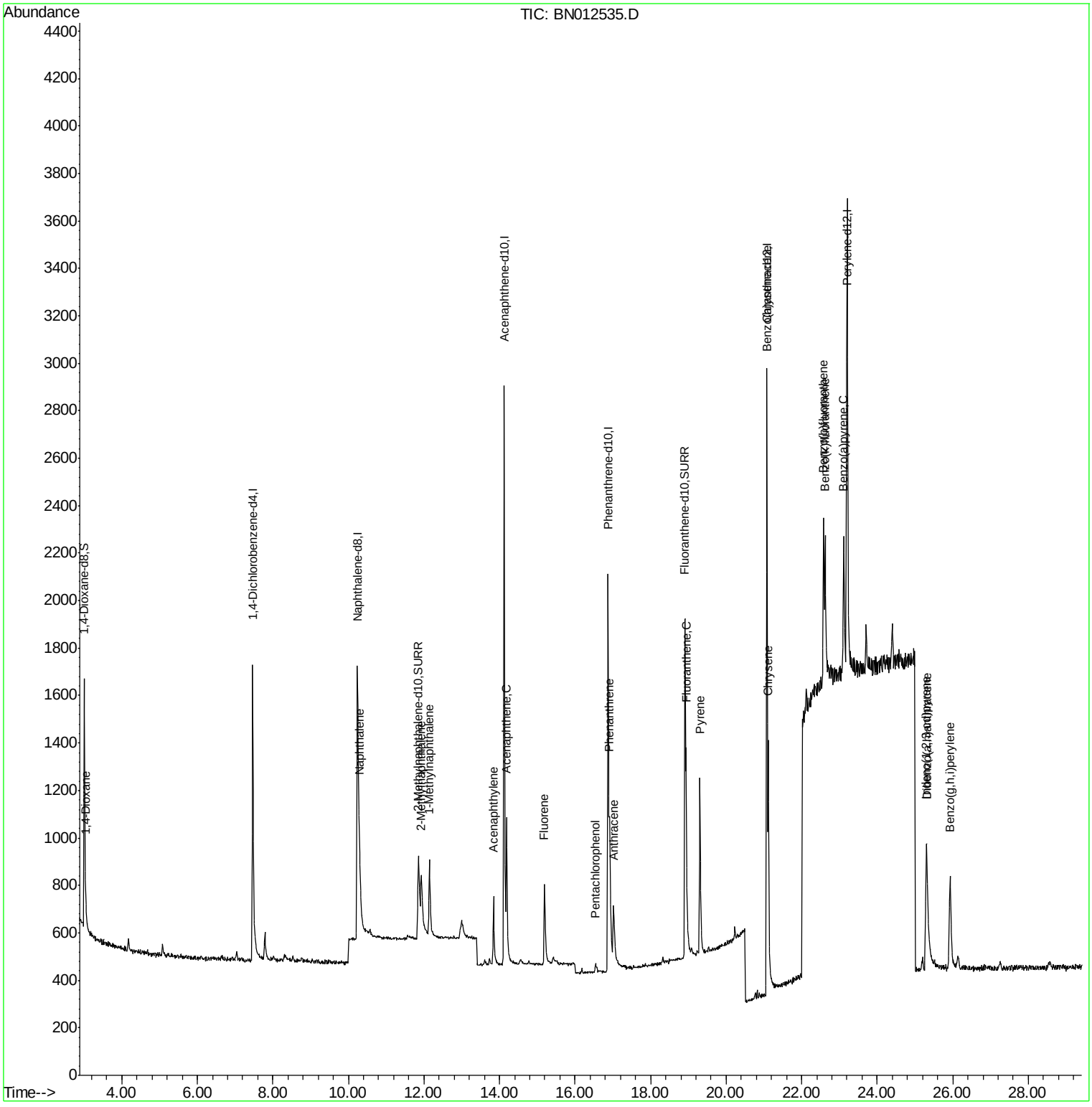
(#) = qualifier out of range (m) = manual integration (+) = signals summed

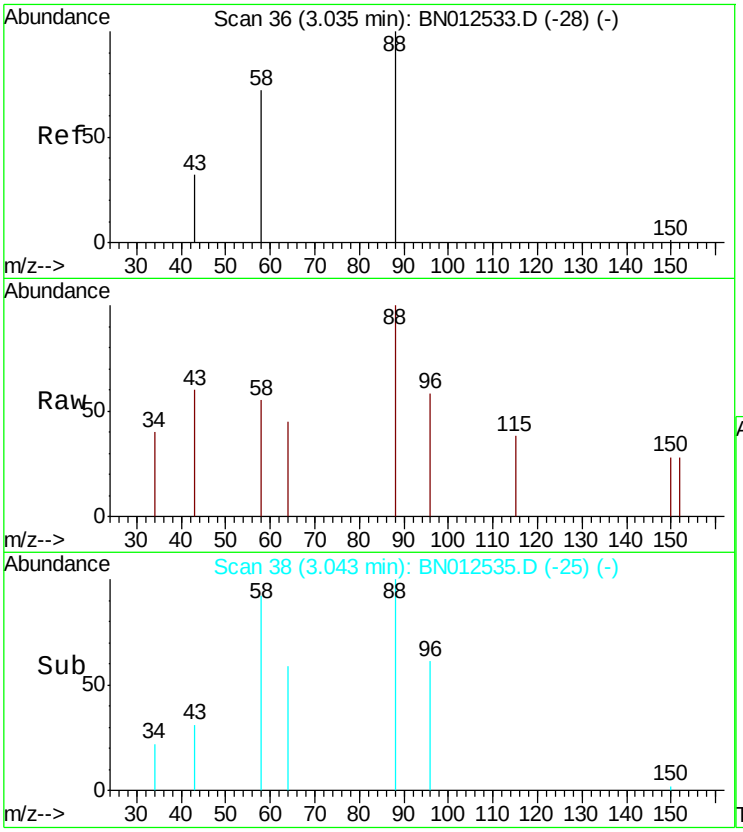
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111020\
Data File : BN012535.D
Acq On : 10 Nov 2020 17:16
Operator : CG/JU
Sample : L4485-01
Misc : MDL-S-01
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Quant Time: Nov 10 17:50:04 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



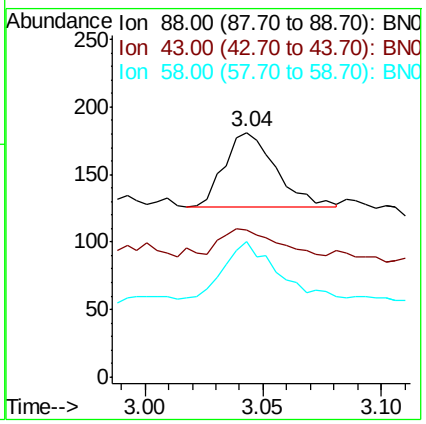


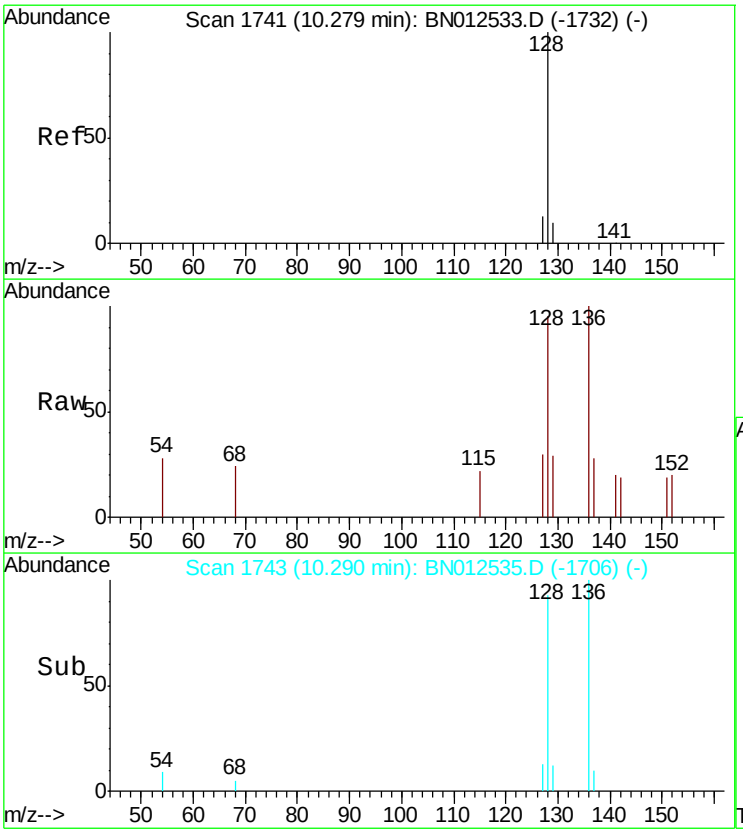
#2
1,4-Dioxane
Concen: 0.075 ng/ul
RT: 3.04 min Scan# 38
Delta R.T. 0.00 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tgt Ion: 88 Resp: 83

Ion	Ratio	Lower	Upper
88	100		
43	60.2	42.7	64.1
58	55.2	57.3	85.9#

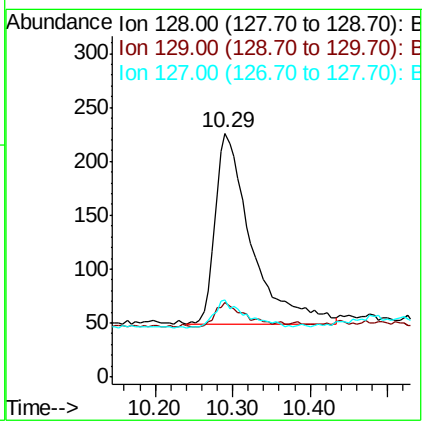


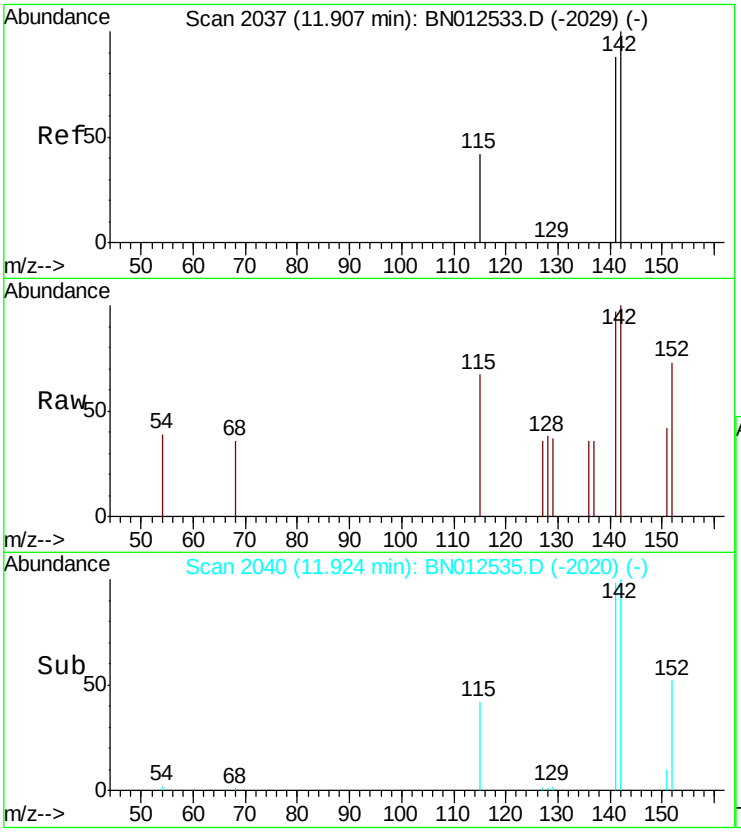


#5
Naphthalene
Concen: 0.067 ng/ul
RT: 10.29 min Scan# 1743
Delta R.T. 0.01 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Tgt Ion:128 Resp: 573

Ion	Ratio	Lower	Upper
128	100		
129	30.5	11.1	16.7#
127	31.9	12.6	18.8#



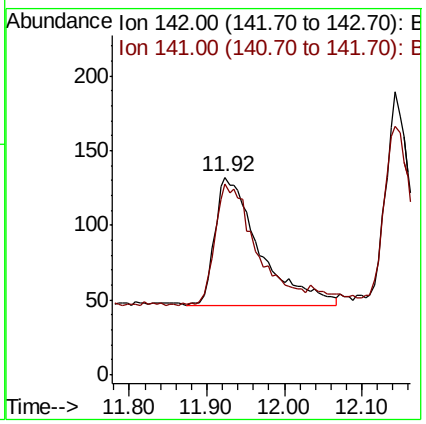


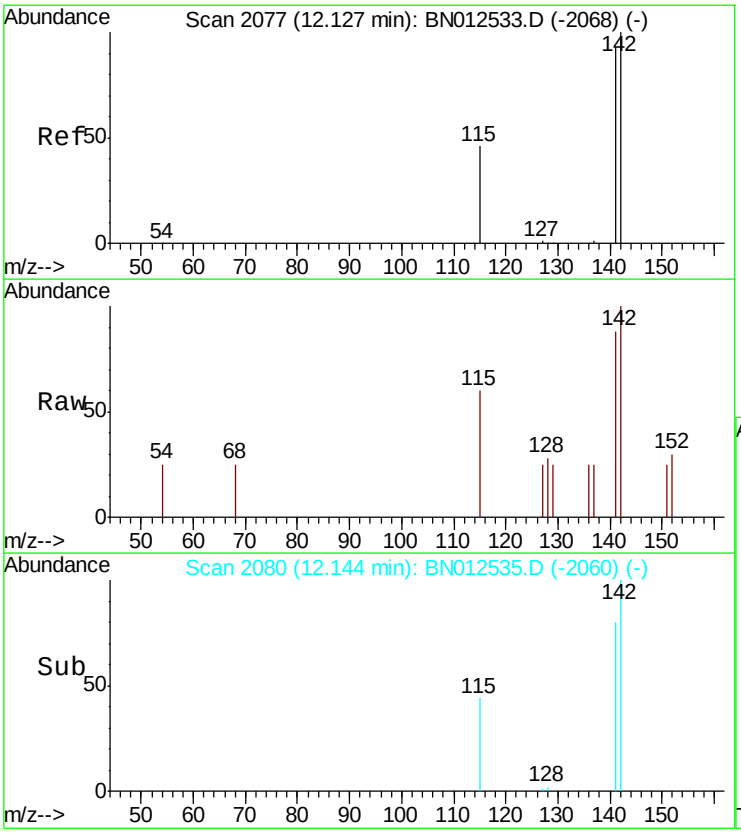
#7
2-Methylnaphthalene
Concen: 0.063 ng/ul
RT: 11.92 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tgt Ion:142 Resp: 347

Ion	Ratio	Lower	Upper
142	100		
141	85.0	72.1	108.1

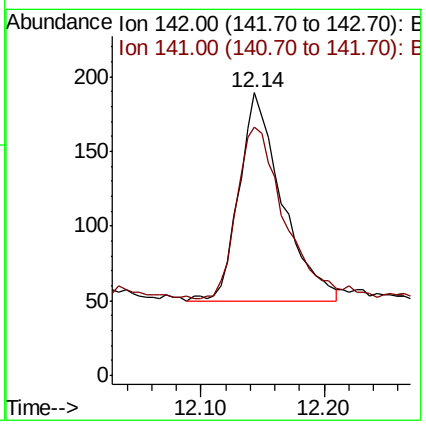


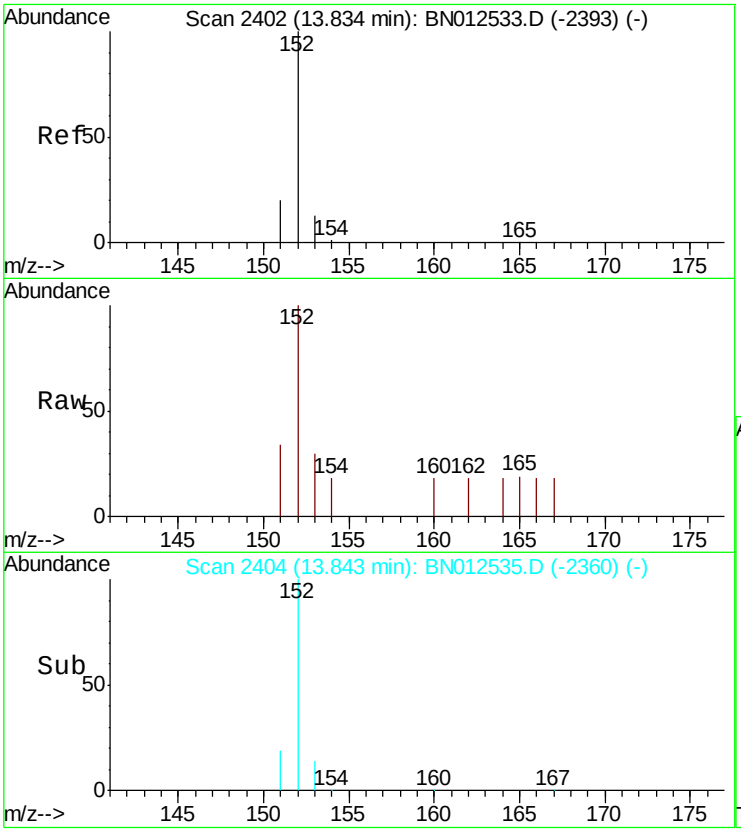


#8
1-Methylnaphthalene
Concen: 0.063 ng/ul
RT: 12.14 min Scan# 2080
Delta R.T. 0.01 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Tgt Ion:142 Resp: 336

Ion	Ratio	Lower	Upper
142	100		
141	91.4	75.3	112.9



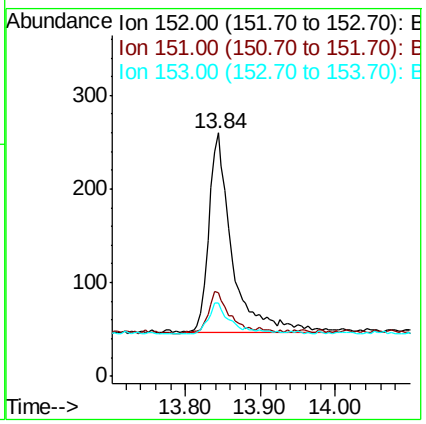


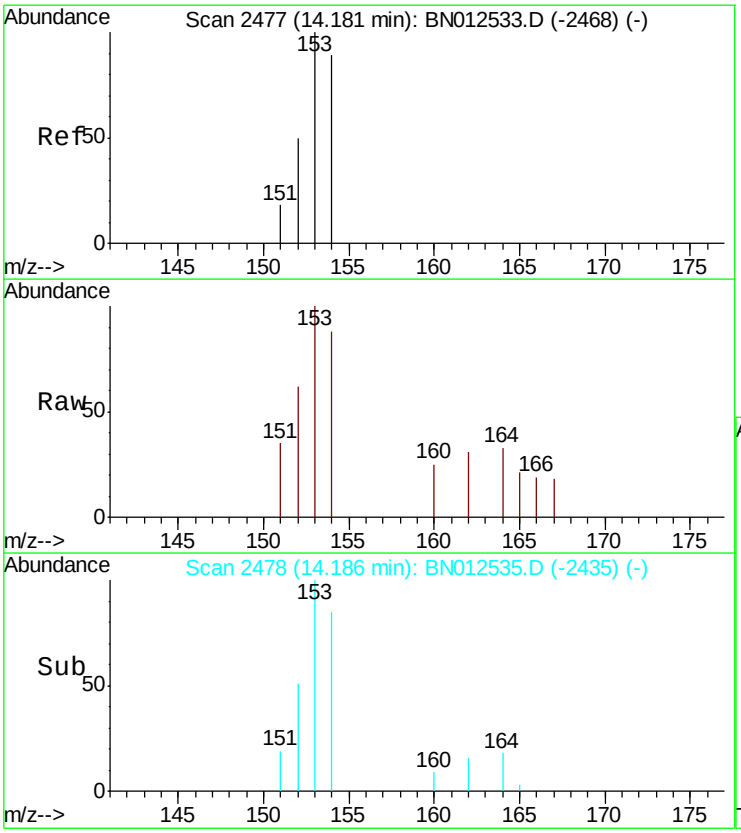
#10
Acenaphthylene
Concen: 0.063 ng/ul
RT: 13.84 min Scan# 2404
Delta R.T. 0.00 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tgt Ion:152 Resp: 458

Ion	Ratio	Lower	Upper
152	100		
151	34.2	17.0	25.4#
153	30.0	12.5	18.7#

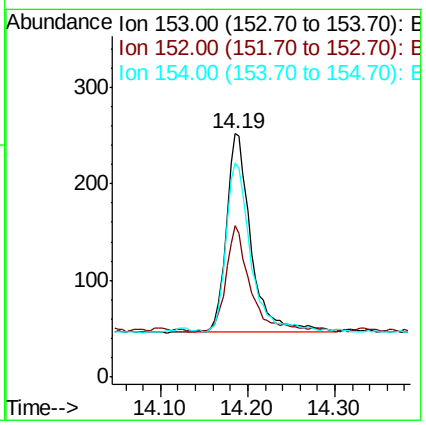


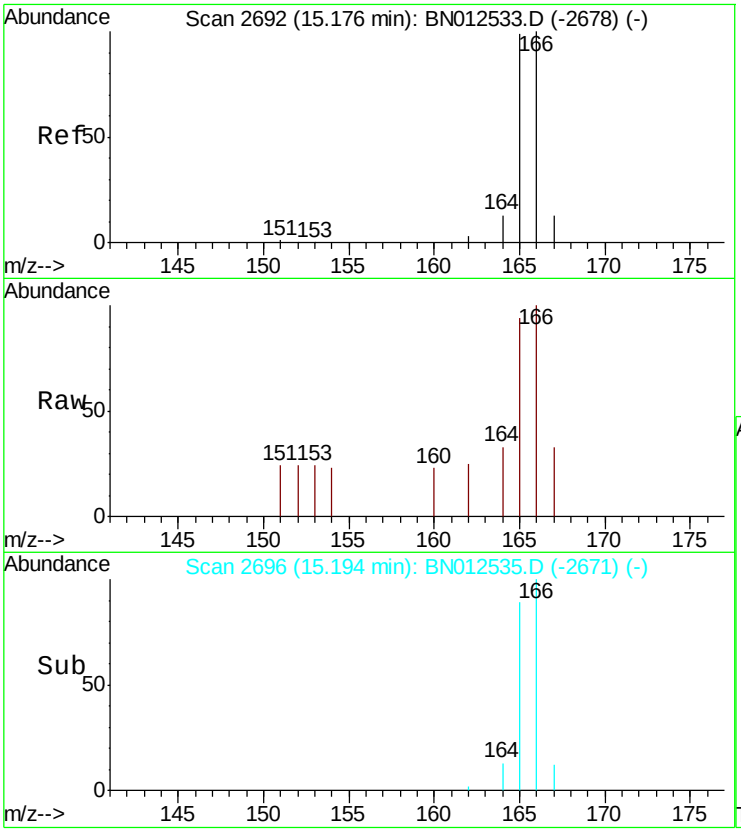


#11
Acenaphthene
Concen: 0.065 ng/ul
RT: 14.19 min Scan# 2478
Delta R.T. -0.00 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Tgt Ion:153 Resp: 407

Ion	Ratio	Lower	Upper
153	100		
152	62.3	39.9	59.9#
154	87.7	69.9	104.9



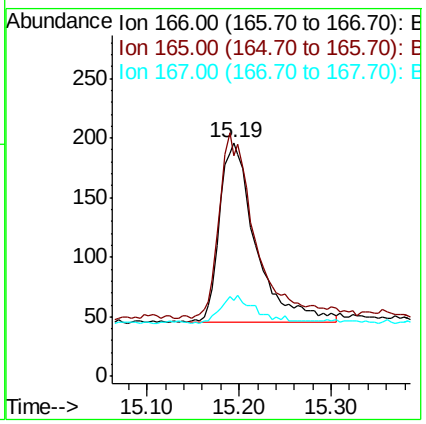


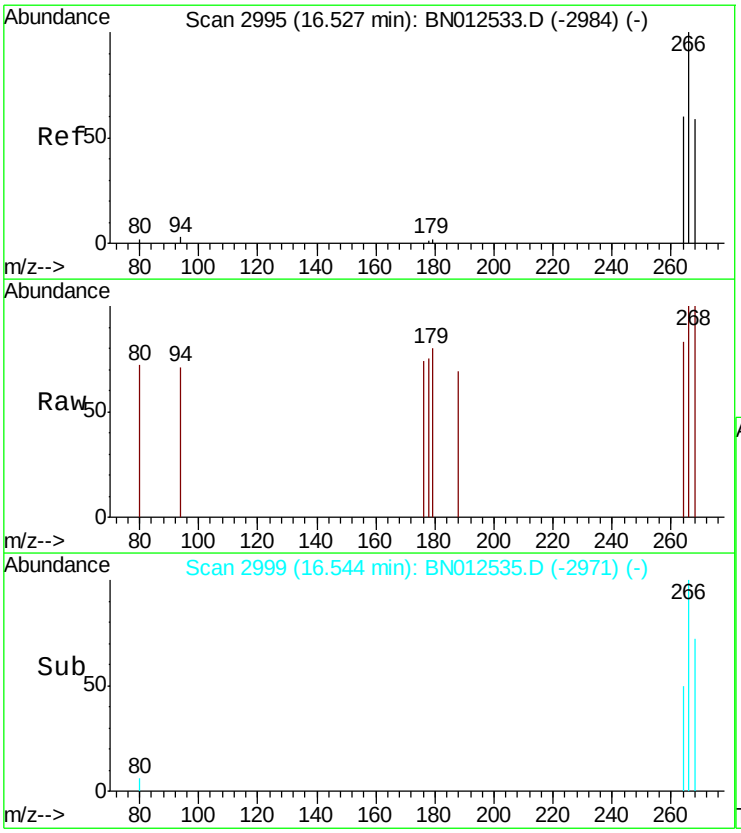
#12
Fluorene
Concen: 0.058 ng/ul
RT: 15.19 min Scan# 2696
Delta R.T. 0.01 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tgt Ion:166 Resp: 408

Ion	Ratio	Lower	Upper
166	100		
165	94.4	78.6	117.8
167	32.7	12.6	19.0#

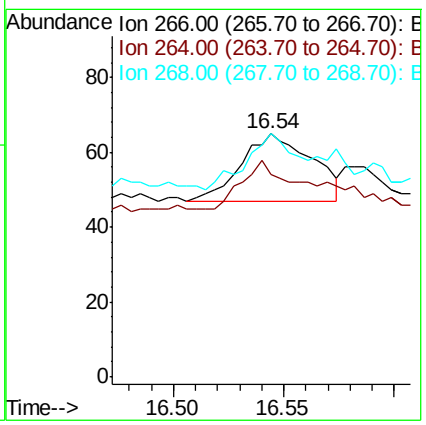


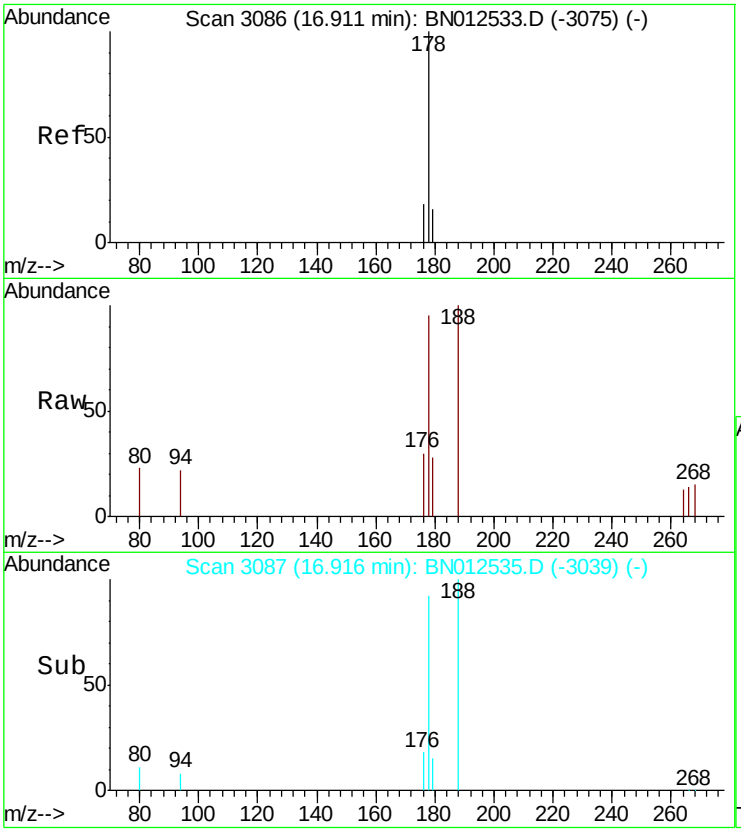


#14
Pentachlorophenol
Concen: 0.047 ng/ul
RT: 16.54 min Scan# 2999
Delta R.T. 0.02 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Tgt Ion:266 Resp: 40

Ion	Ratio	Lower	Upper
266	100		
264	75.0	48.6	73.0#
268	82.5	55.2	82.8



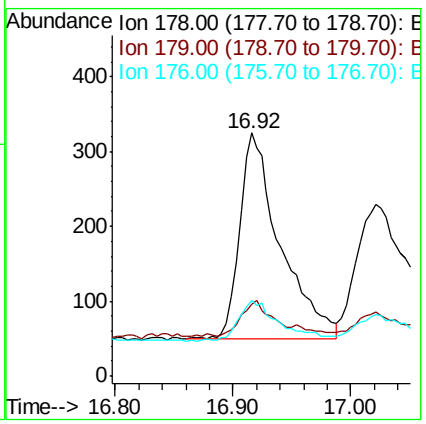


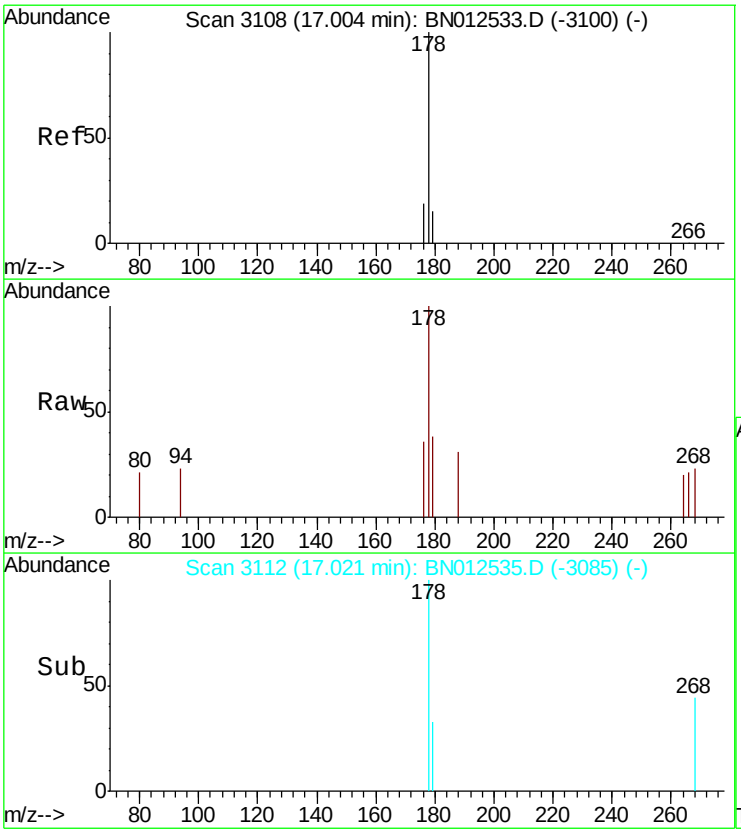
#15
Phenanthrene
Concen: 0.063 ng/ul
RT: 16.92 min Scan# 3087
Delta R.T. 0.00 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tgt Ion:178 Resp: 653

Ion	Ratio	Lower	Upper
178	100		
179	29.5	13.0	19.6#
176	31.4	15.8	23.8#

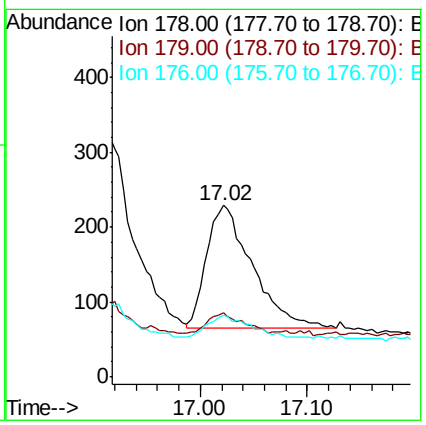


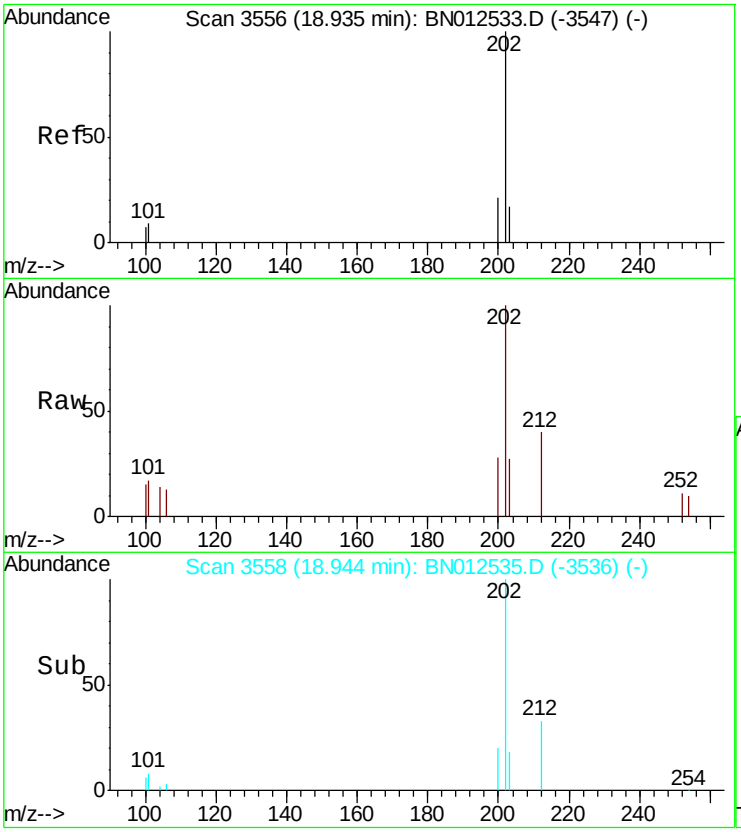


#16
Anthracene
Concen: 0.056 ng/ul
RT: 17.02 min Scan# 3112
Delta R.T. 0.01 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Tgt Ion:178 Resp: 477

Ion	Ratio	Lower	Upper
178	100		
179	37.6	14.2	21.4#
176	36.2	15.9	23.9#



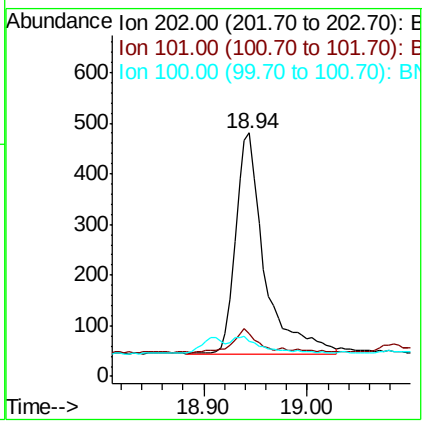


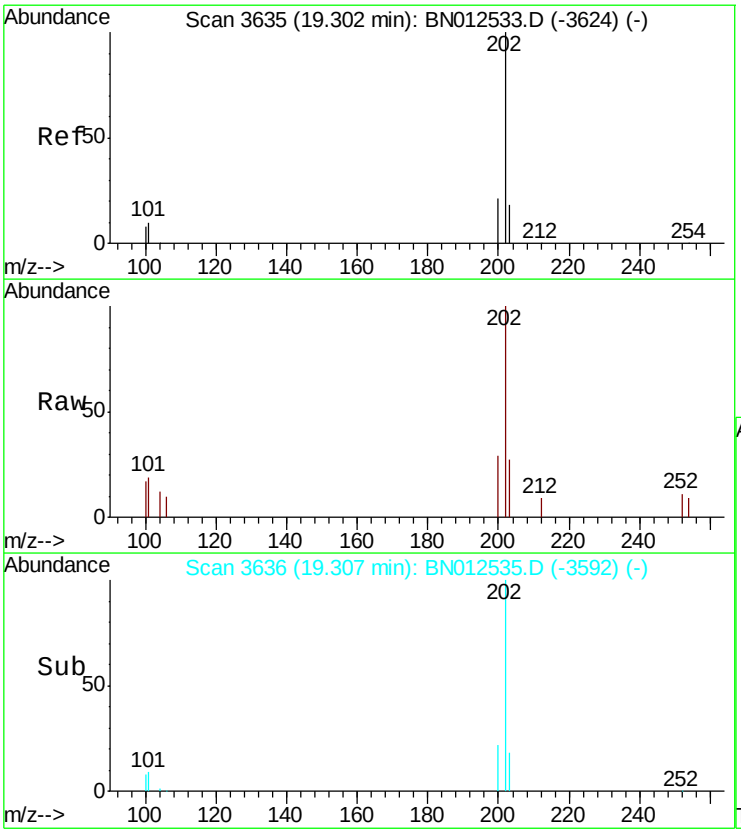
#18
Fluoranthene
Concen: 0.073 ng/ul
RT: 18.94 min Scan# 3558
Delta R.T. 0.00 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tgt Ion:202 Resp: 838

Ion	Ratio	Lower	Upper
202	100		
101	17.5	8.2	12.2#
100	14.6	6.9	10.3#

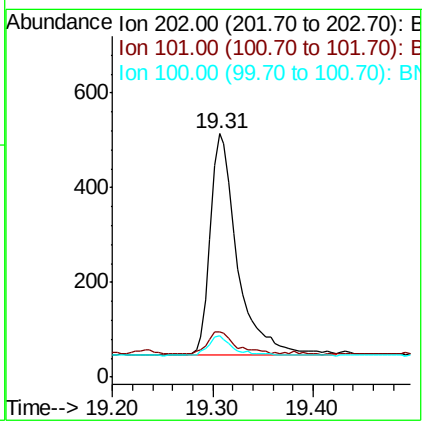


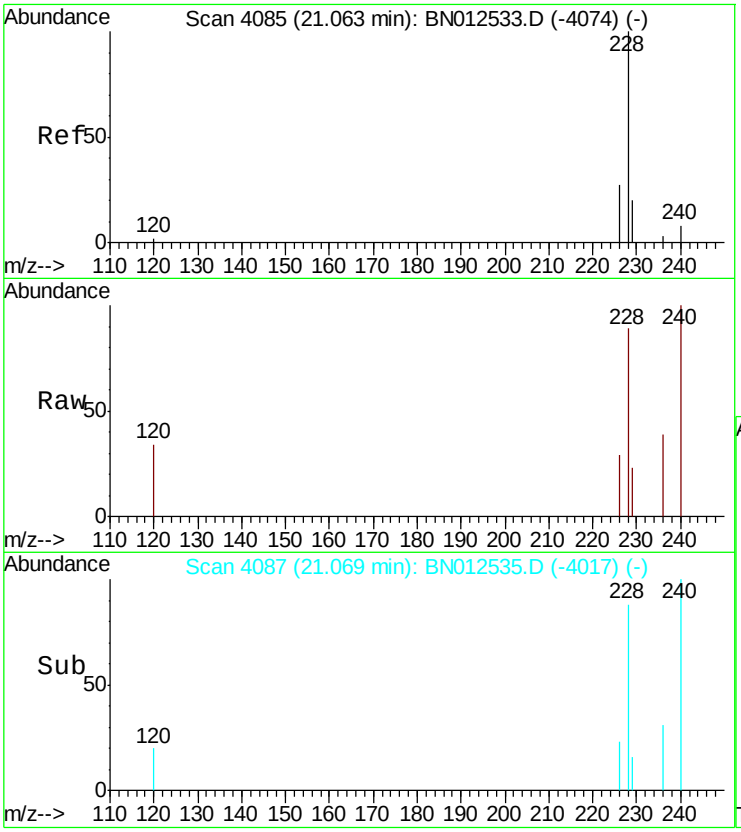


#20
Pyrene
Concen: 0.067 ng/ul
RT: 19.31 min Scan# 3636
Delta R.T. 0.00 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Tgt Ion:202 Resp: 876

Ion	Ratio	Lower	Upper
202	100		
101	18.9	9.4	14.2#
100	16.9	8.6	12.8#



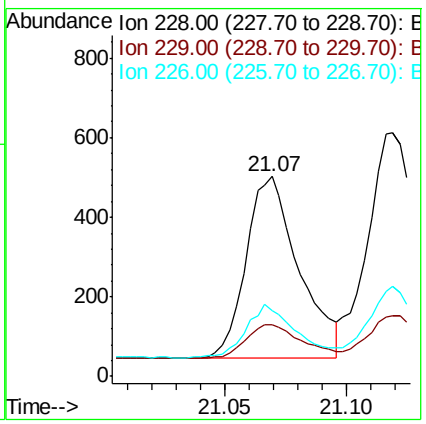


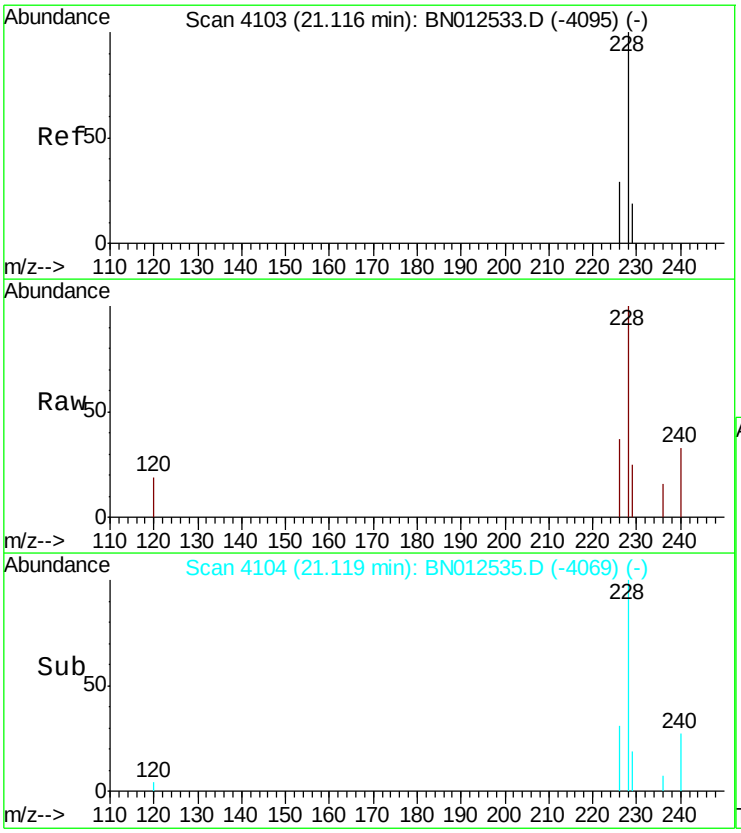
#21
Benzo(a)anthracene
Concen: 0.068 ng/ul
RT: 21.07 min Scan# 4087
Delta R.T. 0.01 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tgt Ion:228 Resp: 687

Ion	Ratio	Lower	Upper
228	100		
229	25.9	16.6	25.0#
226	32.9	23.5	35.3

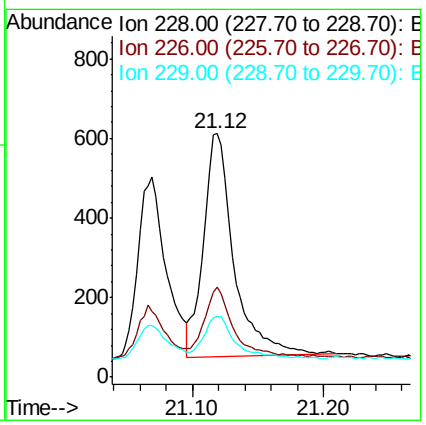


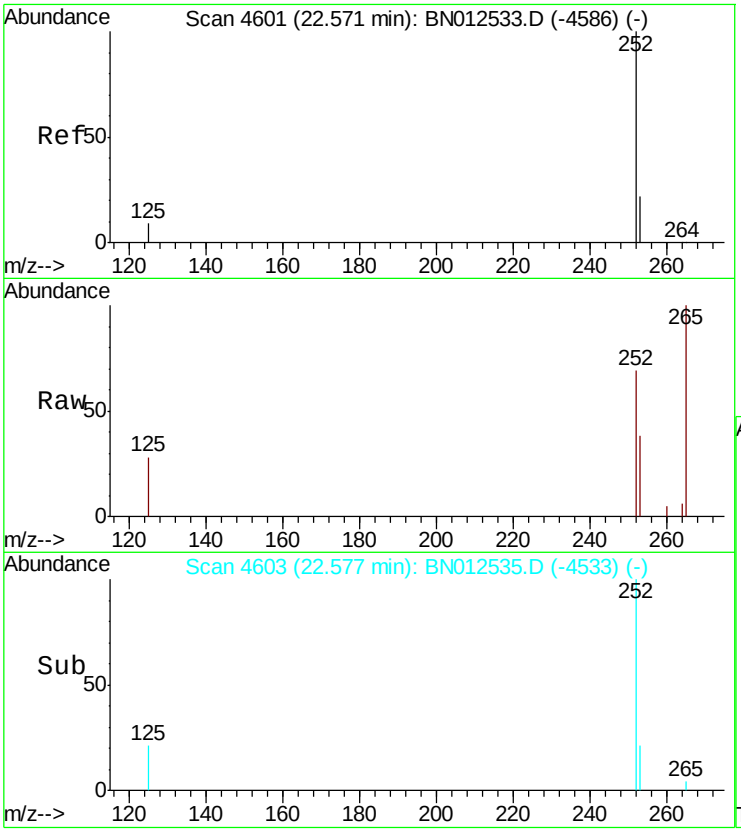


#22
Chrysene
Concen: 0.075 ng/ul
RT: 21.12 min Scan# 4104
Delta R.T. 0.00 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Tgt Ion:228 Resp: 902

Ion	Ratio	Lower	Upper
228	100		
226	36.9	23.9	35.9#
229	25.2	16.6	24.8#



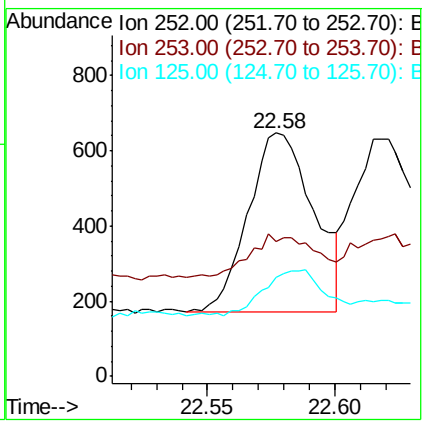


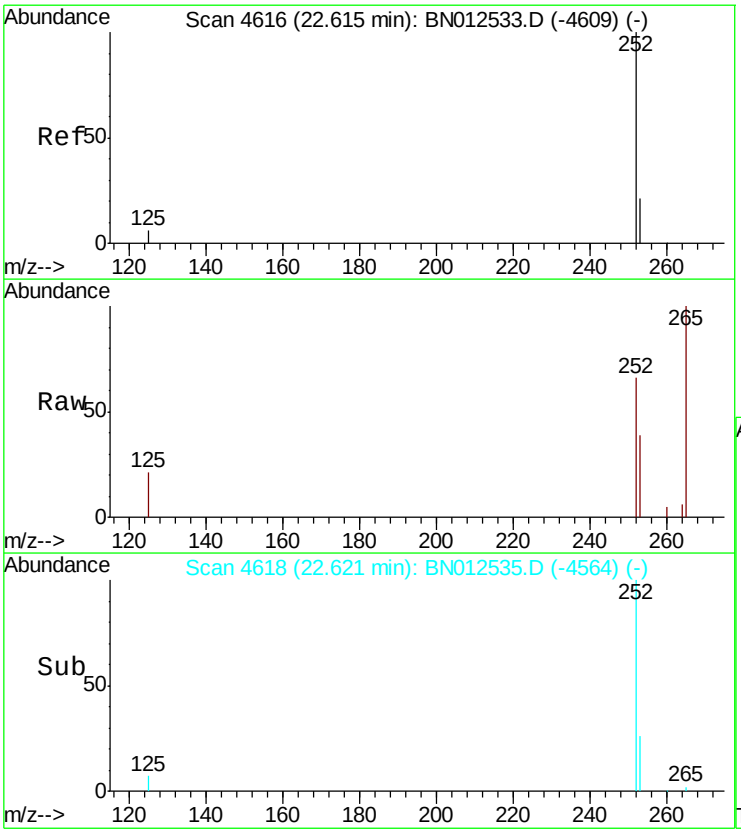
#24
Benzo(b)fluoranthene
Concen: 0.068 ng/ul
RT: 22.58 min Scan# 4603
Delta R.T. 0.01 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tgt Ion:252 Resp: 845

Ion	Ratio	Lower	Upper
252	100		
253	55.4	0.0	59.2
125	40.6	0.0	30.2#

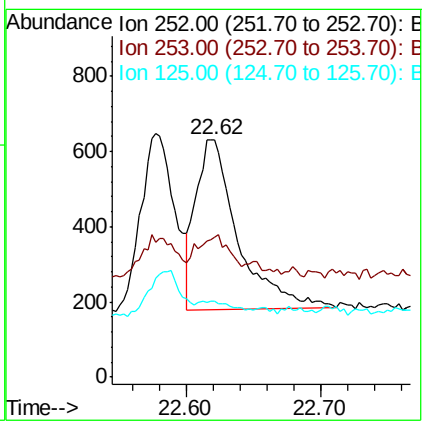


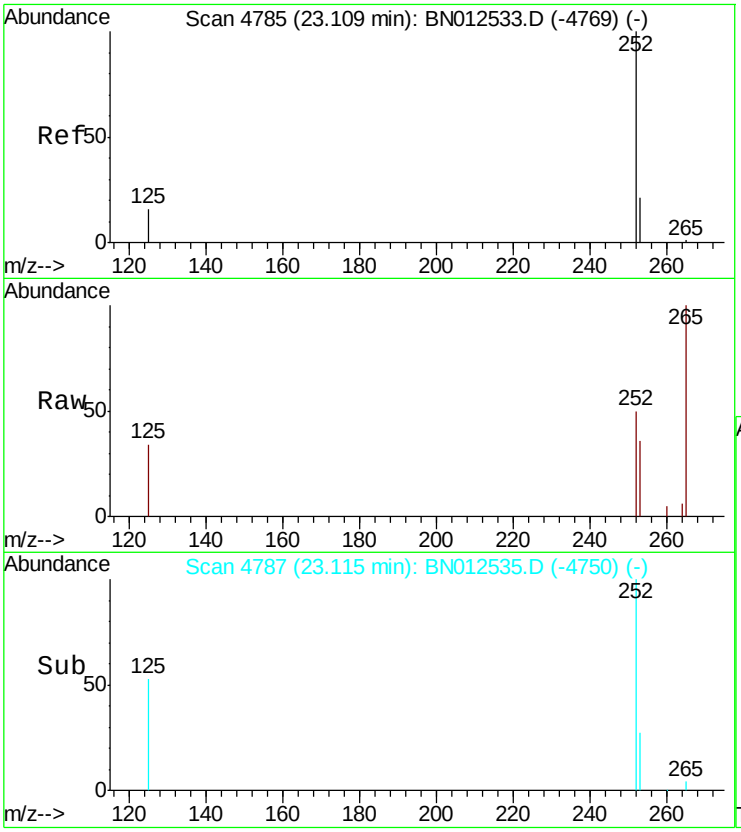


#25
Benzo(k)fluoranthene
Concen: 0.070 ng/ul
RT: 22.62 min Scan# 4618
Delta R.T. 0.01 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Tgt Ion:252 Resp: 993

Ion	Ratio	Lower	Upper
252	100		
253	58.6	23.3	34.9#
125	32.2	10.6	15.8#



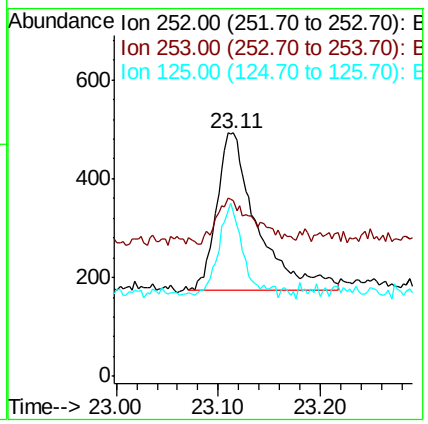


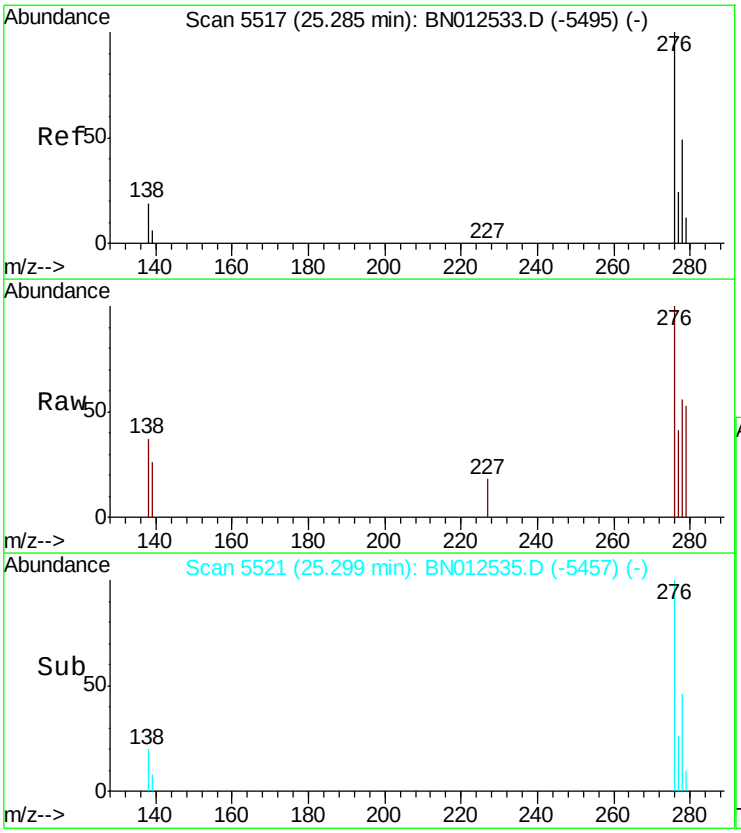
#26
Benzo(a)pyrene
Concen: 0.076 ng/ul
RT: 23.11 min Scan# 4787
Delta R.T. 0.01 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tgt Ion:252 Resp: 883

Ion	Ratio	Lower	Upper
252	100		
253	72.4	27.4	41.0#
125	67.3	17.7	26.5#

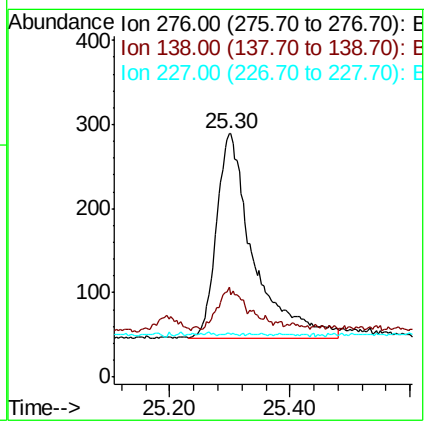


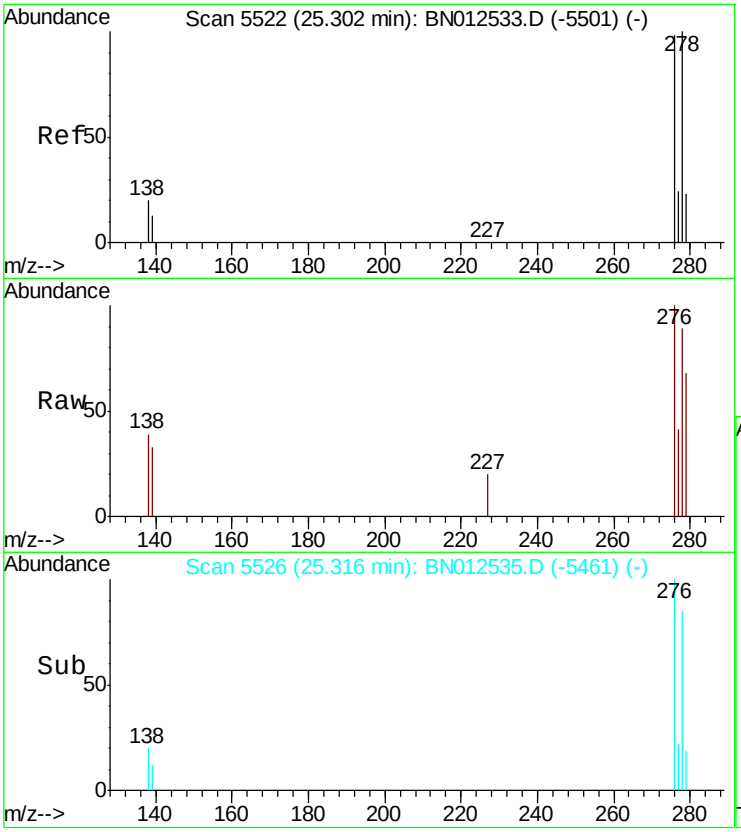


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.067 ng/ul
RT: 25.30 min Scan# 5521
Delta R.T. 0.01 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Tgt Ion:276 Resp: 1032

Ion	Ratio	Lower	Upper
276	100		
138	17.2	16.3	24.5
227	0.3	0.1	0.1#



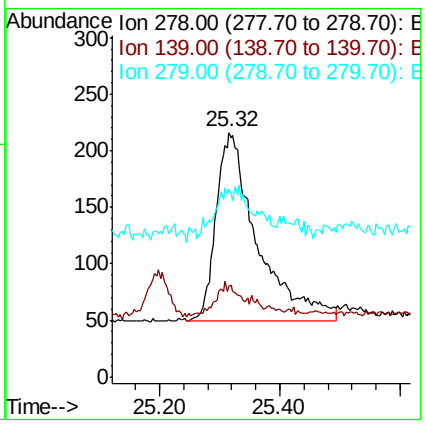


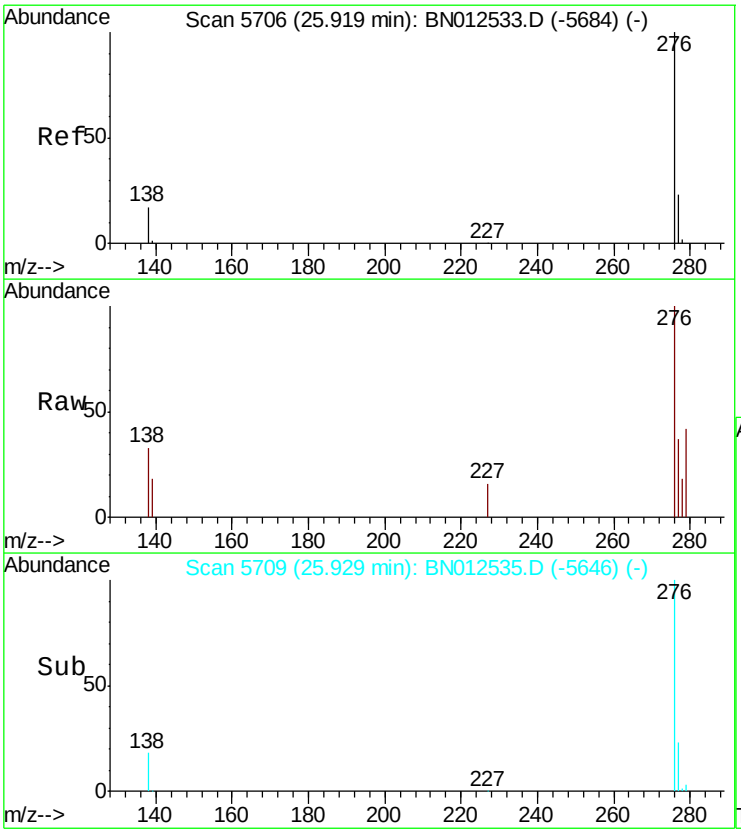
#28
Dibenzo(a,h)anthracene
Concen: 0.065 ng/ul
RT: 25.32 min Scan# 5526
Delta R.T. 0.02 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tgt Ion:278 Resp: 803

Ion	Ratio	Lower	Upper
278	100		
139	37.0	13.4	20.2#
279	76.9	25.8	38.6#





#29
Benzo(g,h,i)perylene
Concen: 0.066 ng/ul
RT: 25.93 min Scan# 5709
Delta R.T. 0.01 min
Lab File: BN012535.D
Acq: 10 Nov 2020 17:16

Tgt Ion:276 Resp: 940

Ion	Ratio	Lower	Upper
276	100		
138	32.6	17.1	25.7#
277	37.3	21.4	32.0#