Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011321\
Data File : BN013402.D
Acq On : 13 Jan 2021 14:15
Operator : CG/JU
Sample : L5214-03
Misc : SFAM-SIM-MDL-S-01
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-SOIL-QT1-2021-01

Quant Time: Jan 13 14:49:37 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN010621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 13 14:48:29 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	4554	0.40	ng/ul	0.00
4) Naphthalene-d8	10.35	136	16568	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.22	164	8254	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.97	188	17107	0.40	ng/ul	0.00
19) Chrysene-d12	21.16	240	14758	0.40	ng/ul	0.00
23) Perylene-d12	23.33	264	15187	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	2507	0.52	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.95	152	7209	0.29	ng/ul	0.00
17) Fluoranthene-d10	19.00	212	12482	0.28	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.24	88	270	0.056	ng/ul#	75
5) Naphthalene	10.40	128	2811	0.060	ng/ul	94
7) 2-Methylnaphthalene	12.03	142	1786	0.058	ng/ul	100
8) 1-Methylnaphthalene	12.25	142	1723	0.058	ng/ul	99
10) Acenaphthylene	13.94	152	1971	0.055	ng/ul#	95
11) Acenaphthene	14.29	153	1799	0.060	ng/ul	96
12) Fluorene	15.28	166	1919	0.056	ng/ul#	99
14) Pentachlorophenol	16.62	266	231	0.067	ng/ul	97
15) Phenanthrene	17.01	178	3469	0.064	ng/ul	95
16) Anthracene	17.10	178	2643	0.055	ng/ul#	89
18) Fluoranthene	19.03	202	4216	0.067	ng/ul#	95
20) Pyrene	19.39	202	4200	0.071	ng/ul#	94
21) Benzo(a)anthracene	21.14	228	3523	0.065	ng/ul	98
22) Chrysene	21.19	228	4343	0.073	ng/ul	97
24) Benzo(b)fluoranthene	22.68	252	4326	0.071	ng/ul	75
25) Benzo(k)fluoranthene	22.73	252	4913	0.082	ng/ul#	22
26) Benzo(a)pyrene	23.23	252	3605	0.069	ng/ul#	64
27) Indeno(1,2,3-cd)pyrene	25.49	276	5100	0.077	ng/ul#	61
28) Dibenzo(a,h)anthracene	25.51	278	4073	0.073	ng/ul#	84
29) Benzo(g,h,i)perylene	26.14	276	4033	0.069	ng/ul#	89

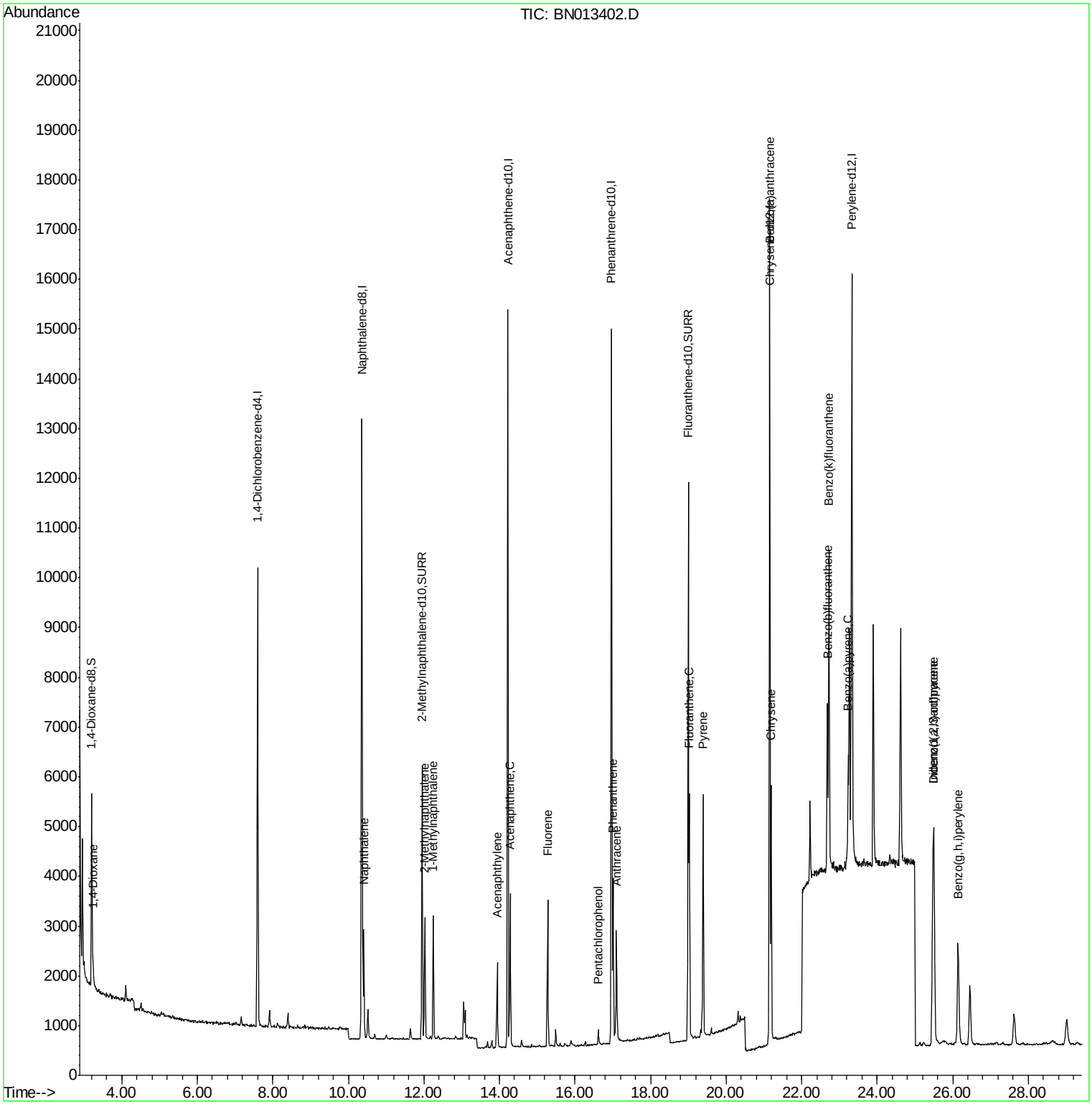
(#) = qualifier out of range (m) = manual integration (+) = signals summed

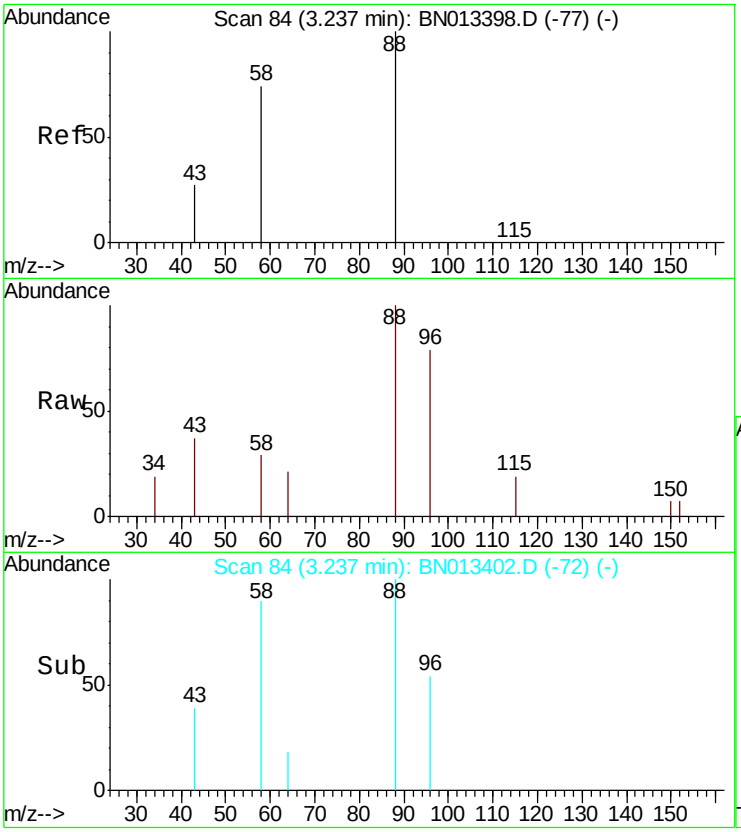
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011321\
Data File : BN013402.D
Acq On : 13 Jan 2021 14:15
Operator : CG/JU
Sample : L5214-03
Misc : SFAM-SIM-MDL-S-01
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2021-01

Quant Time: Jan 13 14:49:37 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN010621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 13 14:48:29 2021
Response via : Initial Calibration



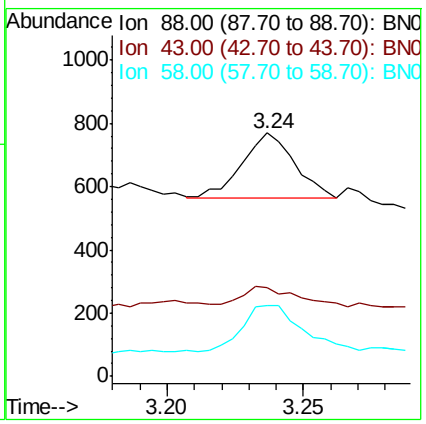


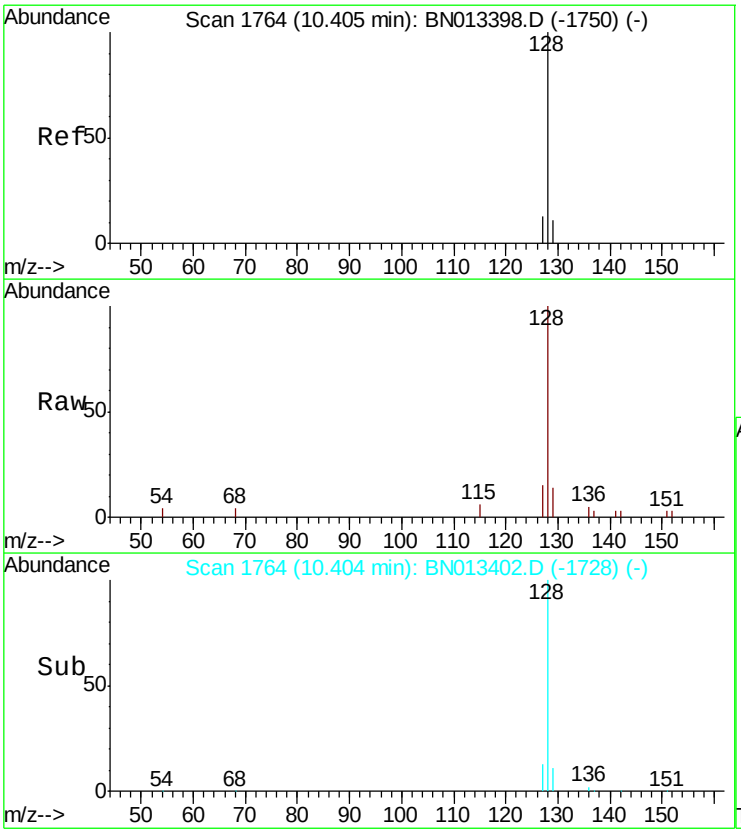
#2
1,4-Dioxane
Concen: 0.056 ng/ul
RT: 3.24 min Scan# 84
Delta R.T. -0.00 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tgt Ion: 88 Resp: 270

Ion	Ratio	Lower	Upper
88	100		
43	36.6	31.5	47.3
58	29.0	46.4	69.6#

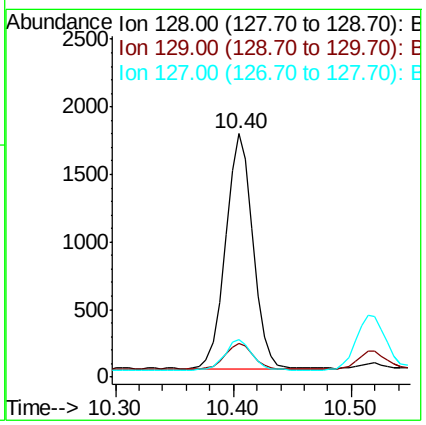


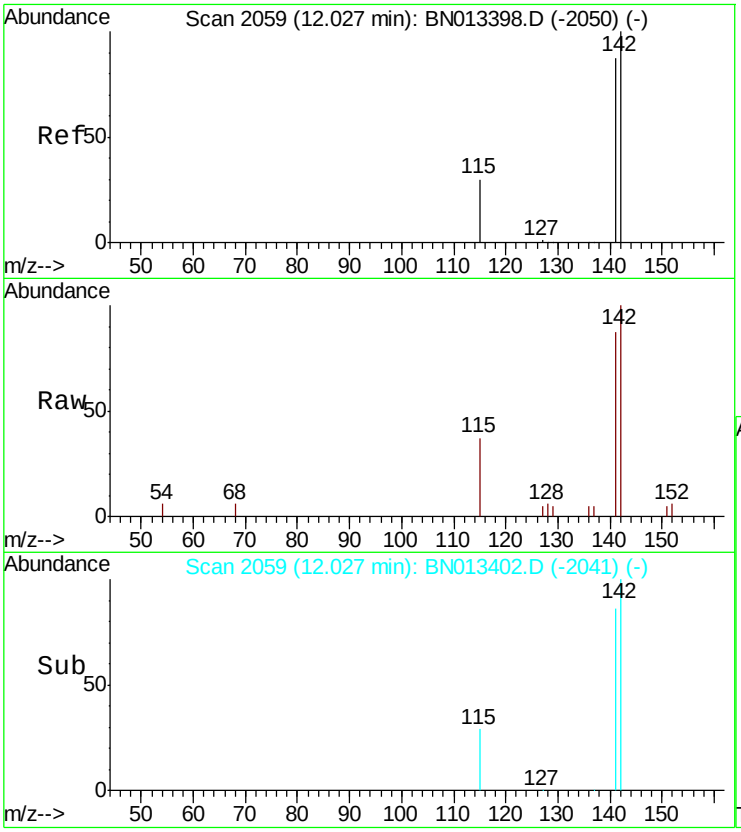


#5
Naphthalene
Concen: 0.060 ng/ul
RT: 10.40 min Scan# 1764
Delta R.T. -0.00 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Tgt Ion:128 Resp: 2811

Ion	Ratio	Lower	Upper
128	100		
129	13.6	9.1	13.7
127	15.4	10.6	16.0



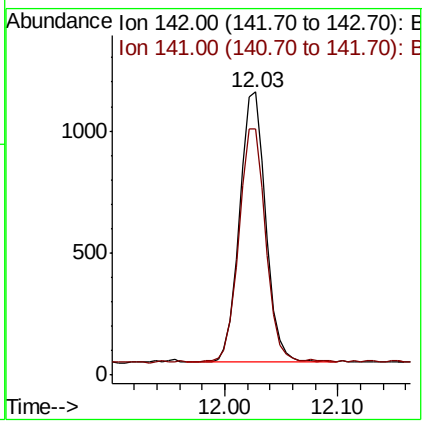


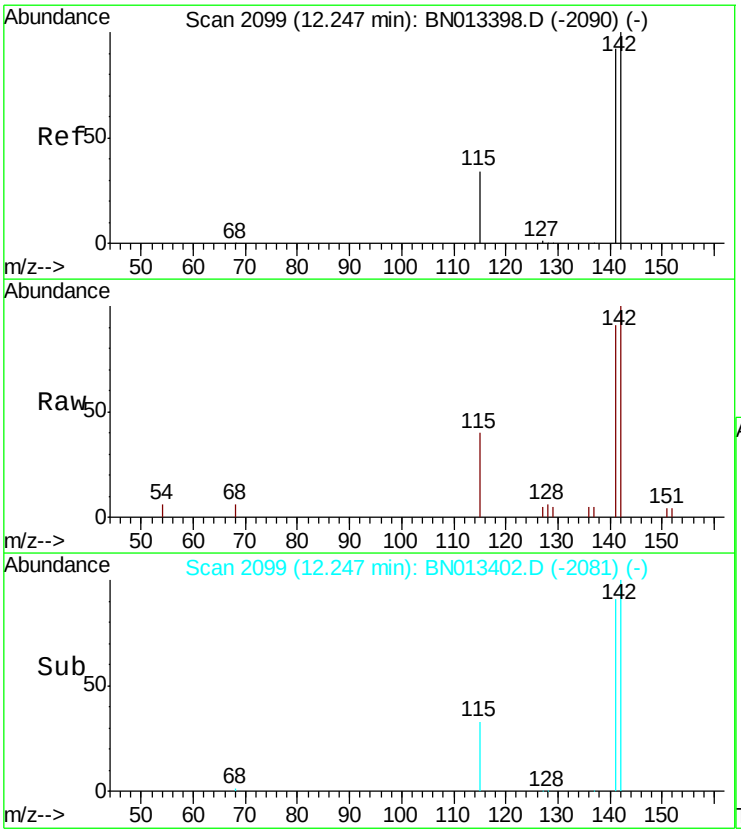
#7
2-Methylnaphthalene
Concen: 0.058 ng/ul
RT: 12.03 min Scan# 2059
Delta R.T. -0.00 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tgt Ion:142 Resp: 1786

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.7	106.1

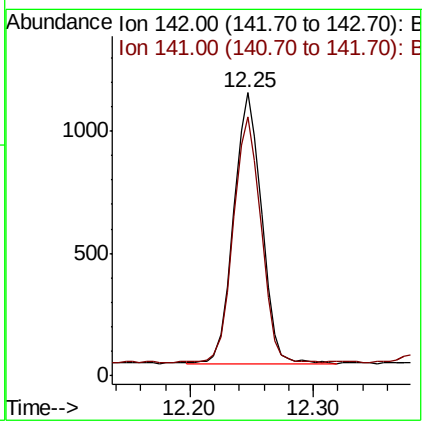


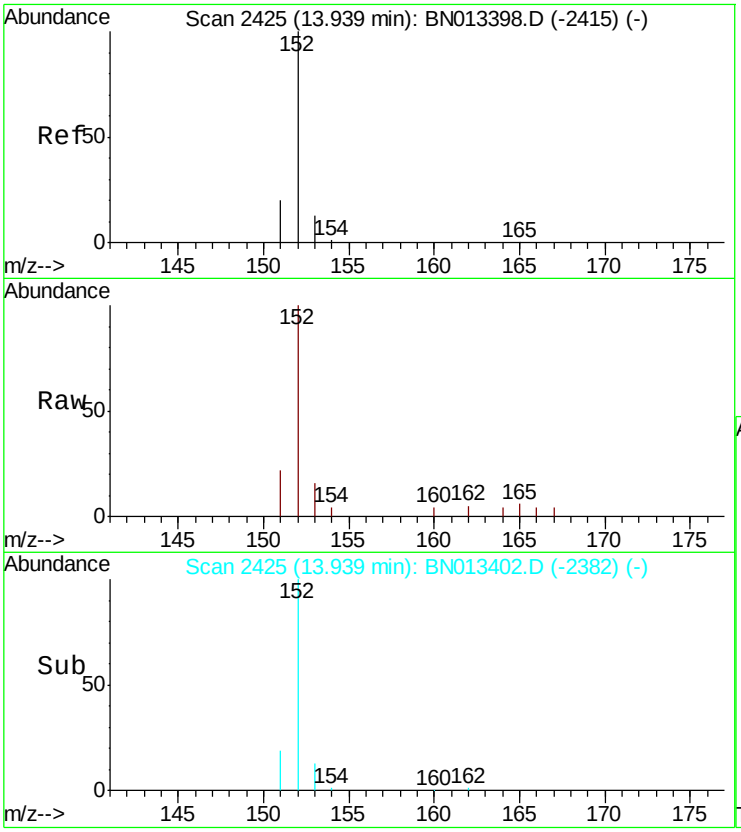


#8
1-Methylnaphthalene
Concen: 0.058 ng/ul
RT: 12.25 min Scan# 2099
Delta R.T. -0.00 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Tgt Ion:142 Resp: 1723

Ion	Ratio	Lower	Upper
142	100		
141	90.9	73.2	109.8



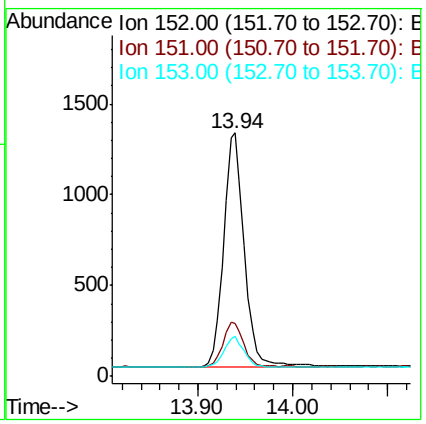


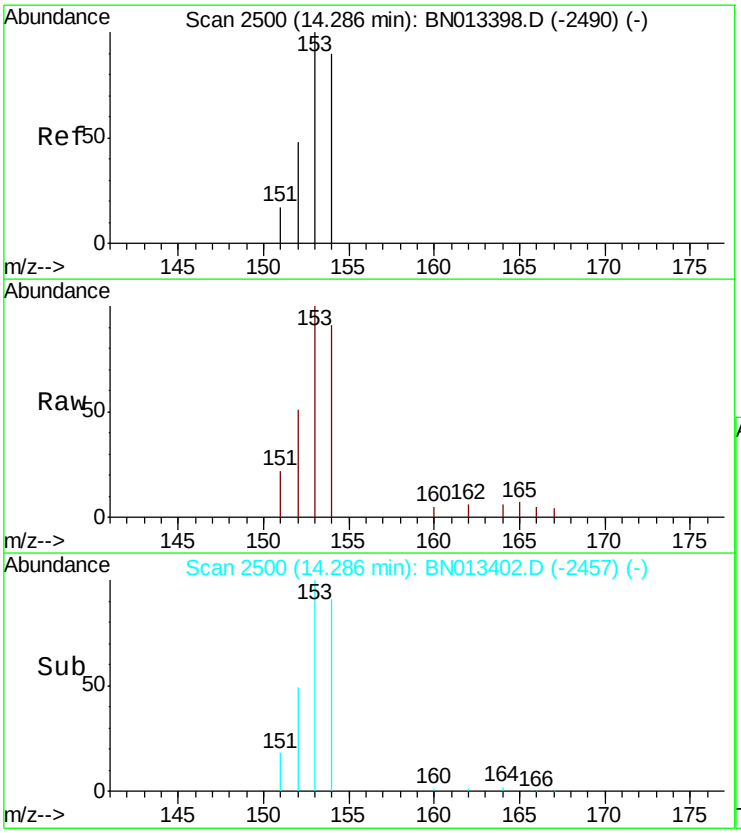
#10
Acenaphthylene
Concen: 0.055 ng/ul
RT: 13.94 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tgt Ion:152 Resp: 1971

Ion	Ratio	Lower	Upper
152	100		
151	21.9	16.2	24.4
153	16.3	10.6	16.0#

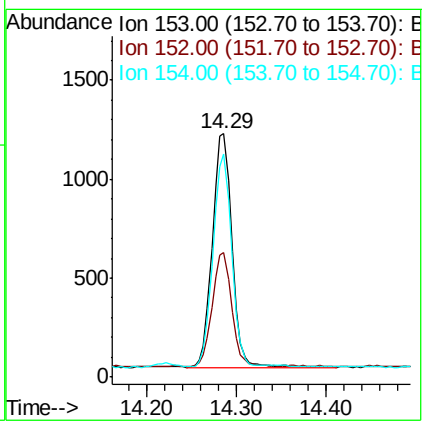


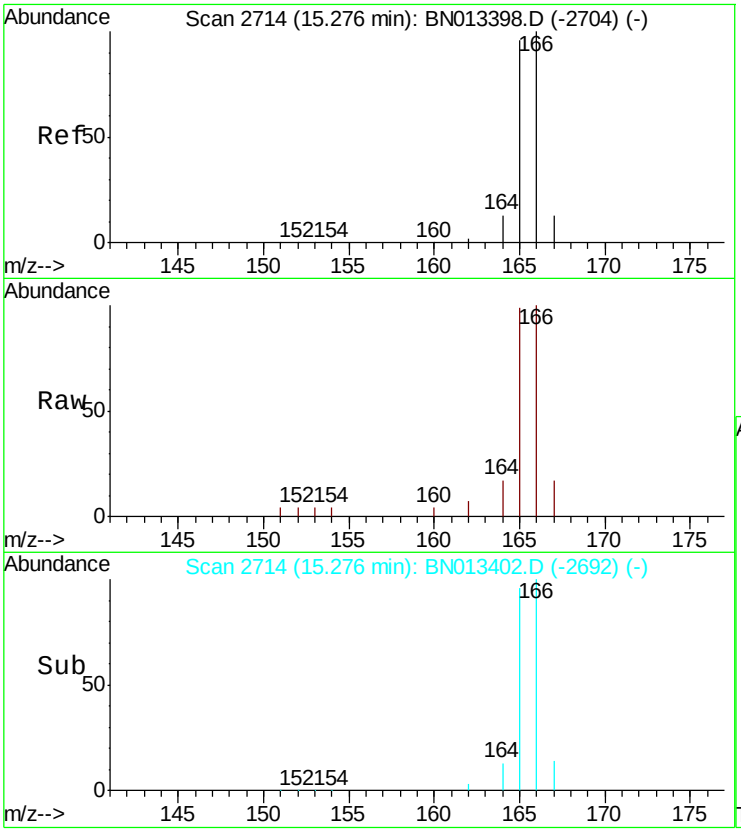


#11
Acenaphthene
Concen: 0.060 ng/ul
RT: 14.29 min Scan# 2500
Delta R.T. -0.00 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Tgt Ion:153 Resp: 1799

Ion	Ratio	Lower	Upper
153	100		
152	51.3	38.6	58.0
154	91.5	70.1	105.1



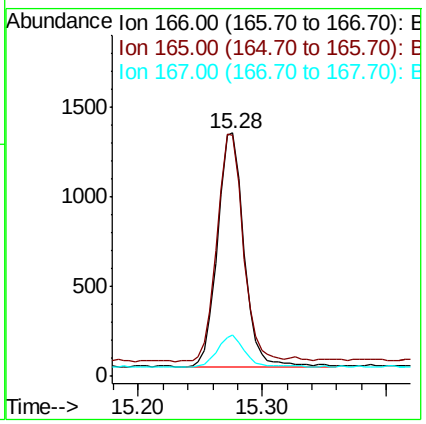


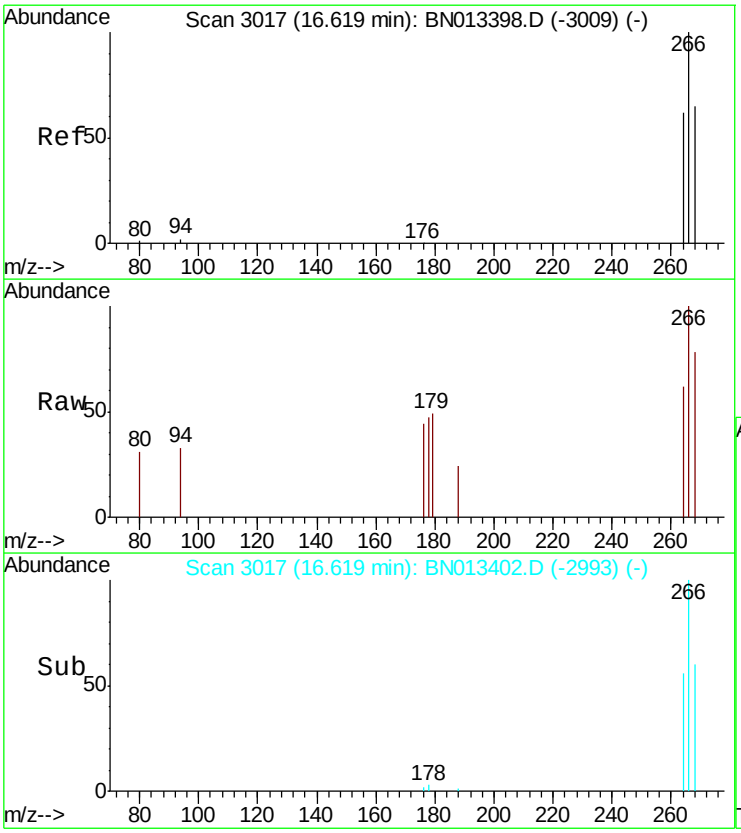
#12
Fluorene
Concen: 0.056 ng/ul
RT: 15.28 min Scan# 2714
Delta R.T. -0.00 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tgt Ion:166 Resp: 1919

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.0	118.4
167	16.9	11.1	16.7#

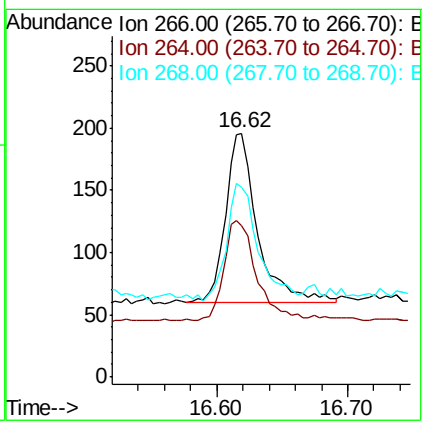


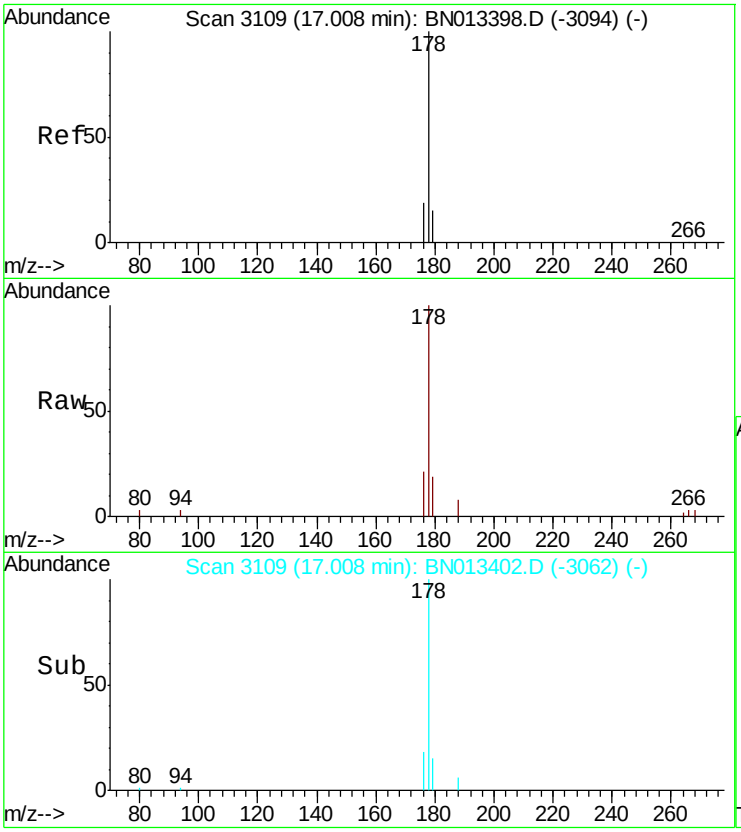


#14
Pentachlorophenol
Concen: 0.067 ng/ul
RT: 16.62 min Scan# 3017
Delta R.T. -0.00 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Tgt Ion:266 Resp: 231

Ion	Ratio	Lower	Upper
266	100		
264	61.9	49.5	74.3
268	68.8	51.7	77.5



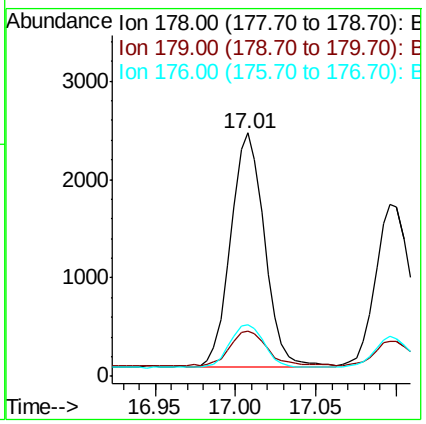


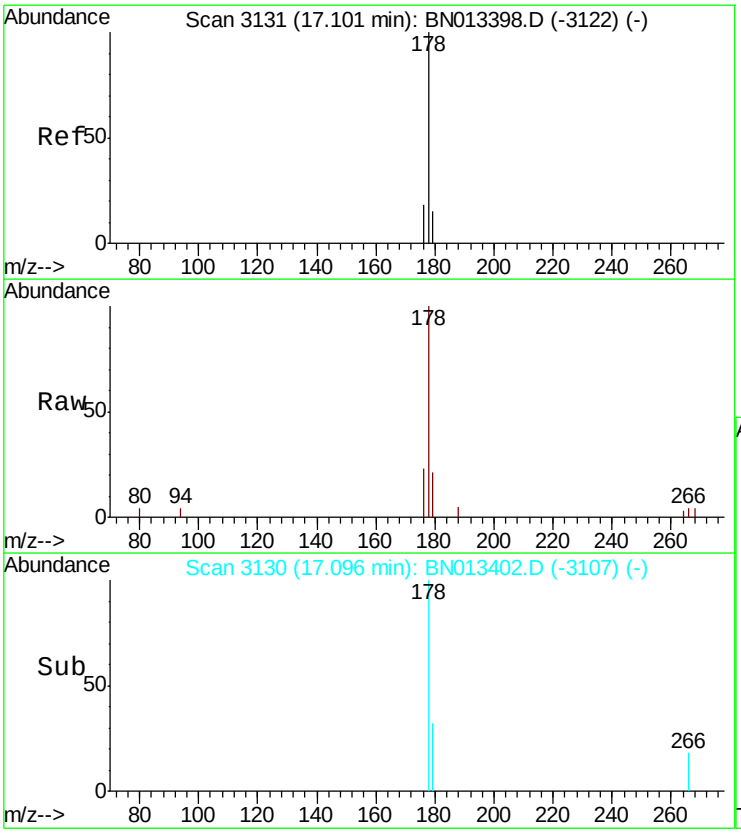
#15
Phenanthrene
Concen: 0.064 ng/ul
RT: 17.01 min Scan# 3109
Delta R.T. -0.00 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tgt Ion:178 Resp: 3469

Ion	Ratio	Lower	Upper
178	100		
179	18.5	12.7	19.1
176	21.0	15.4	23.0

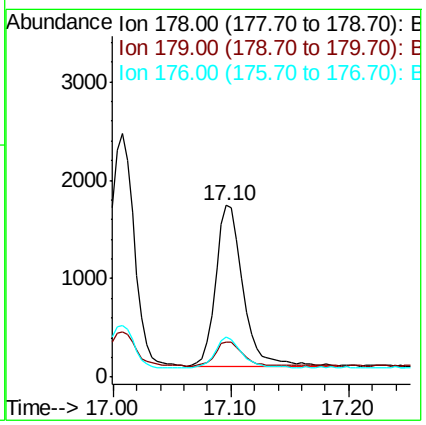


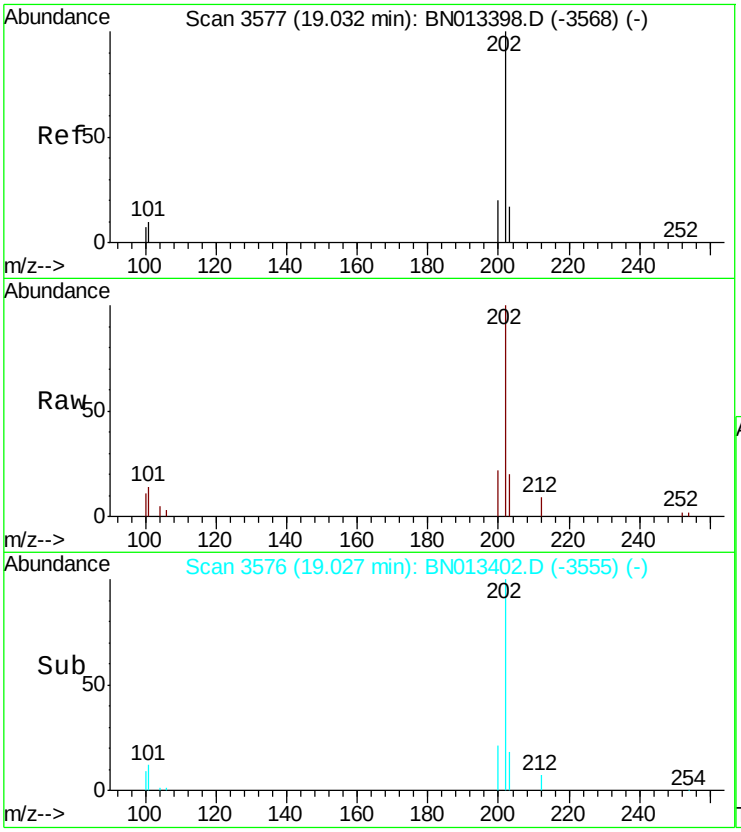


#16
Anthracene
Concen: 0.055 ng/ul
RT: 17.10 min Scan# 3130
Delta R.T. -0.00 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Tgt Ion:178 Resp: 2643

Ion	Ratio	Lower	Upper
178	100		
179	20.7	12.7	19.1#
176	23.5	14.7	22.1#



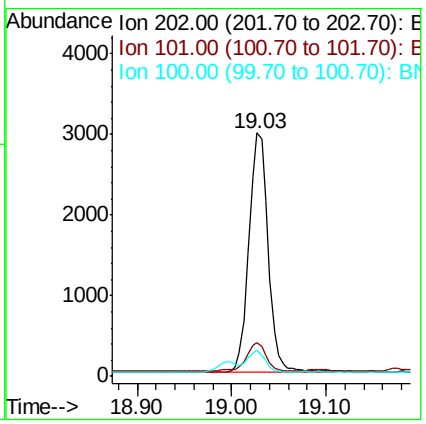


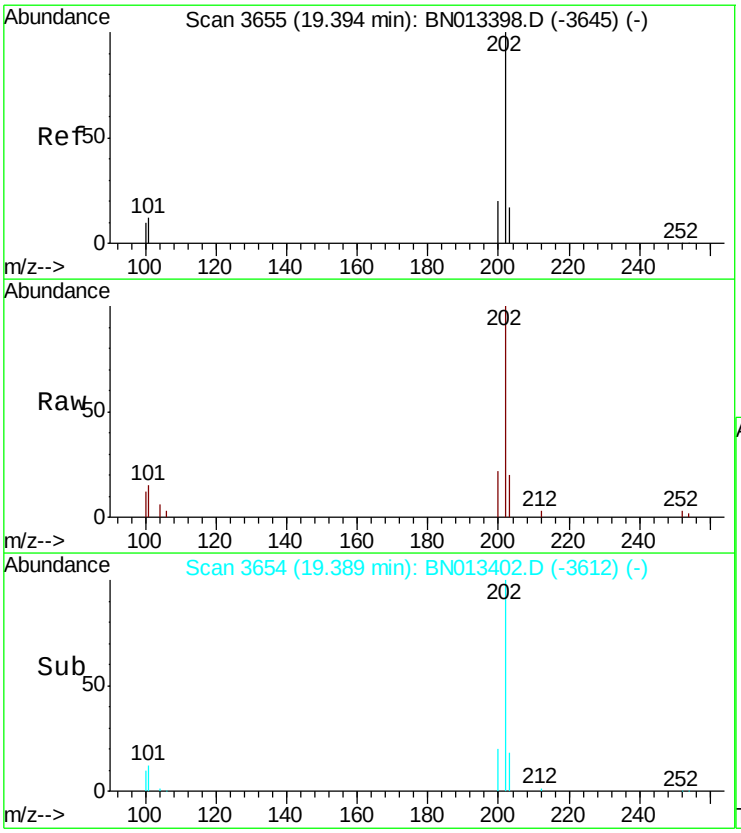
#18
Fluoranthene
Concen: 0.067 ng/ul
RT: 19.03 min Scan# 3576
Delta R.T. -0.00 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tgt Ion:202 Resp: 4216

Ion	Ratio	Lower	Upper
202	100		
101	13.7	9.3	13.9
100	10.6	7.0	10.4#

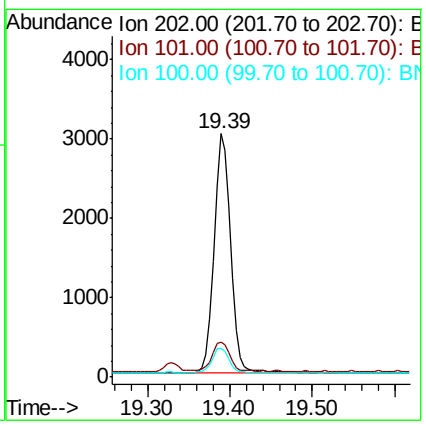


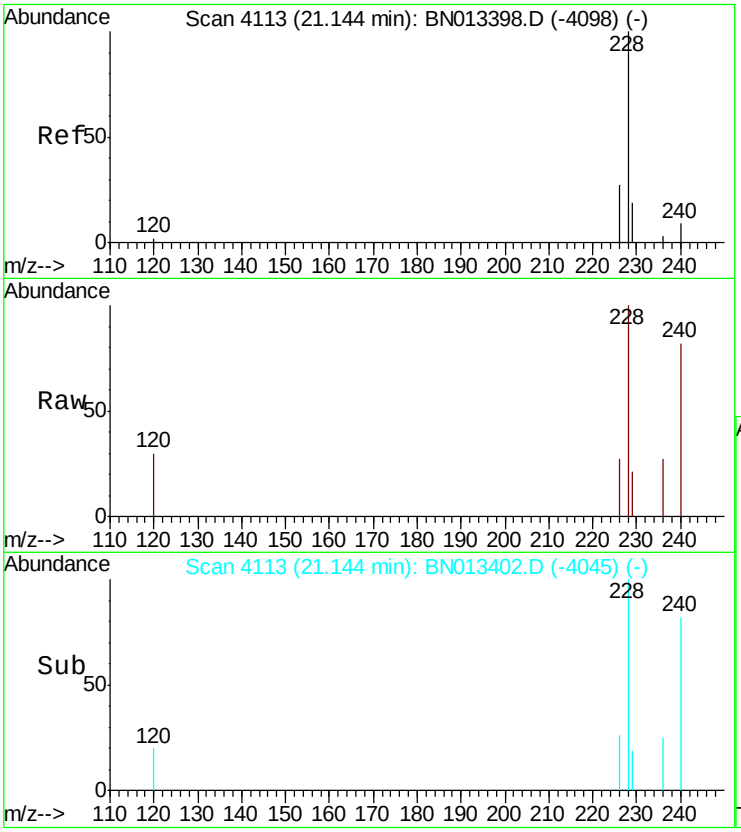


#20
Pyrene
Concen: 0.071 ng/ul
RT: 19.39 min Scan# 3654
Delta R.T. -0.00 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Tgt Ion:202 Resp: 4200

Ion	Ratio	Lower	Upper
202	100		
101	14.6	9.7	14.5#
100	11.9	7.6	11.4#



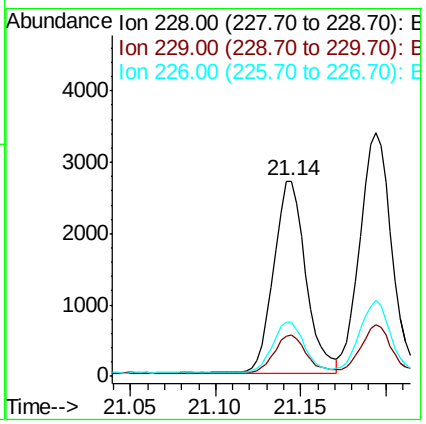


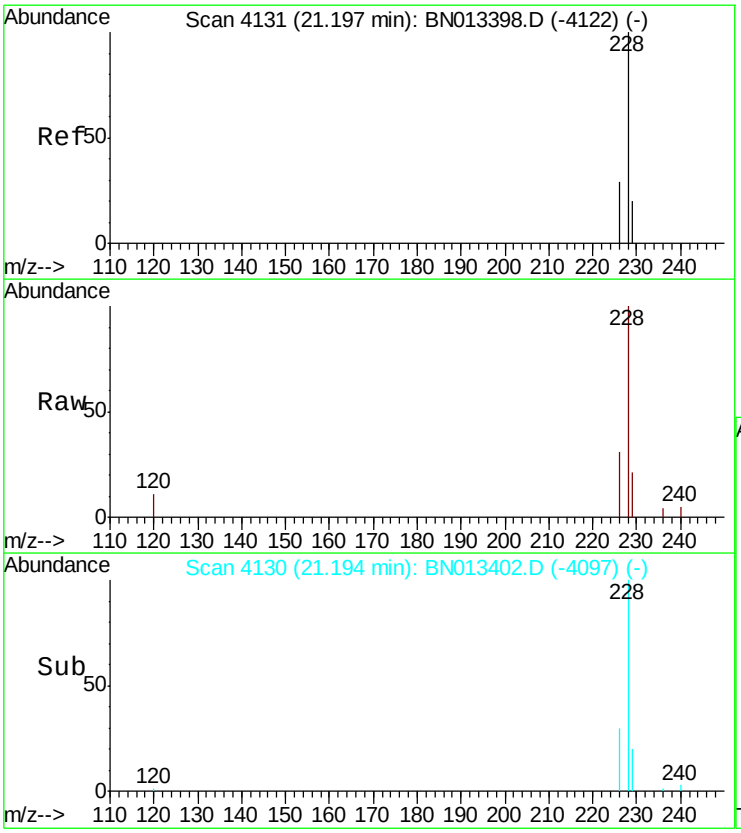
#21
Benzo(a)anthracene
Concen: 0.065 ng/ul
RT: 21.14 min Scan# 4113
Delta R.T. -0.00 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tgt Ion:228 Resp: 3523

Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.8	23.6
226	27.5	21.6	32.4

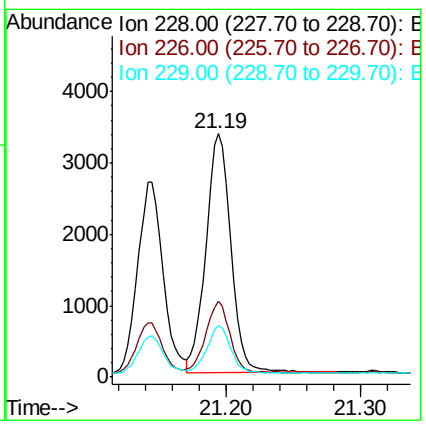


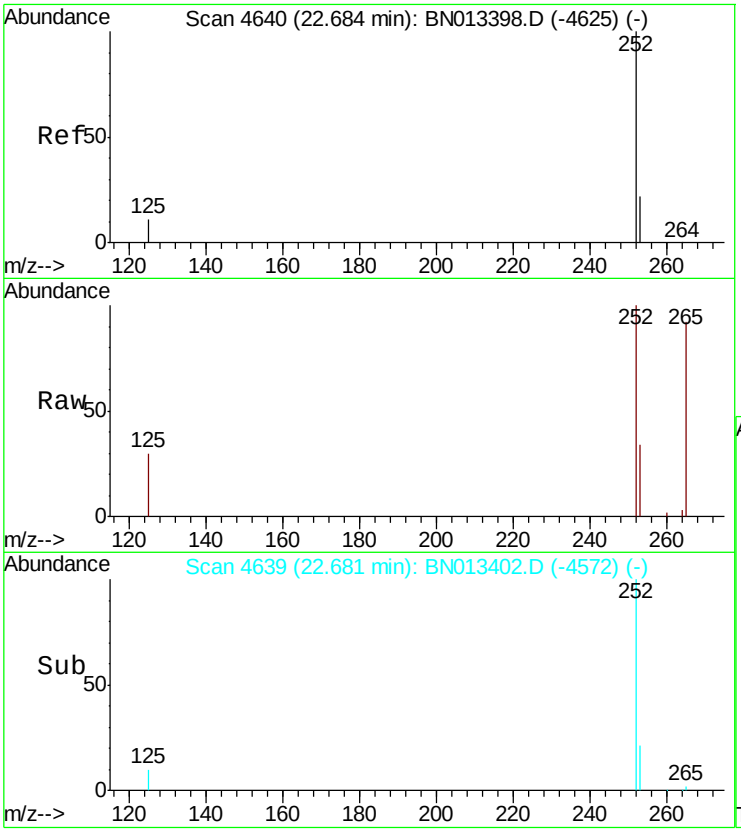


#22
Chrysene
Concen: 0.073 ng/ul
RT: 21.19 min Scan# 4130
Delta R.T. -0.00 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Tgt Ion:228 Resp: 4343

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.6	35.4
229	21.0	15.7	23.5



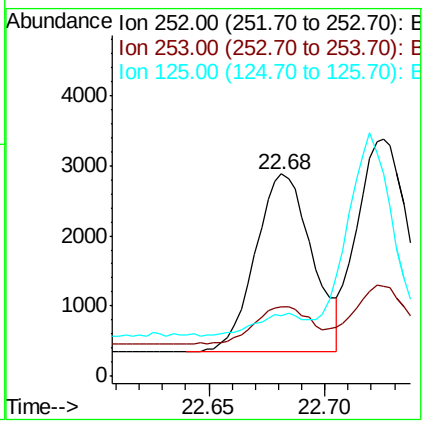


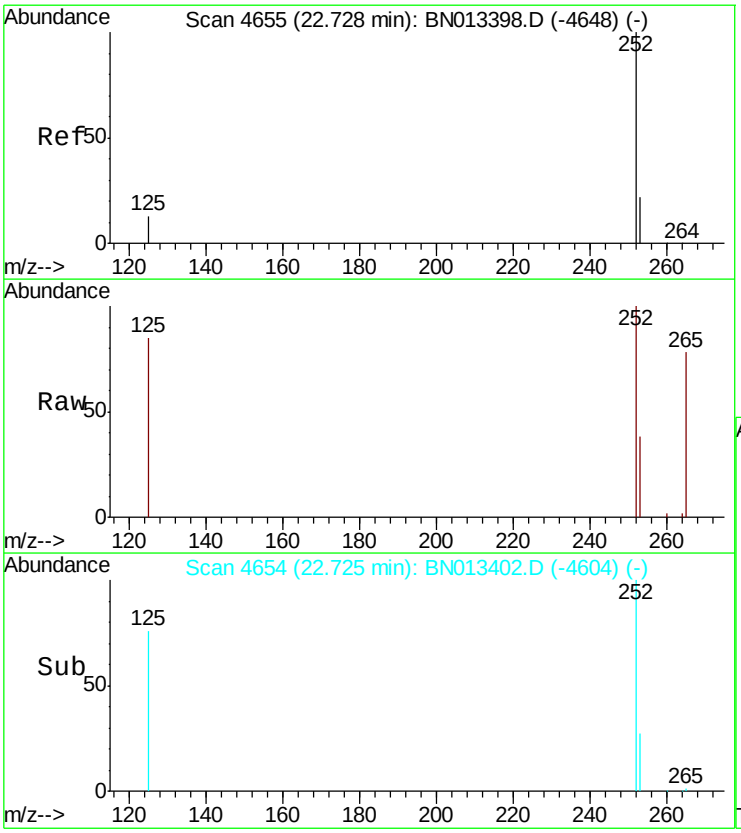
#24
Benzo(b)fluoranthene
Concen: 0.071 ng/ul
RT: 22.68 min Scan# 4639
Delta R.T. -0.00 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tgt Ion:252 Resp: 4326

Ion	Ratio	Lower	Upper
252	100		
253	34.5	0.0	49.6
125	29.8	0.0	31.8

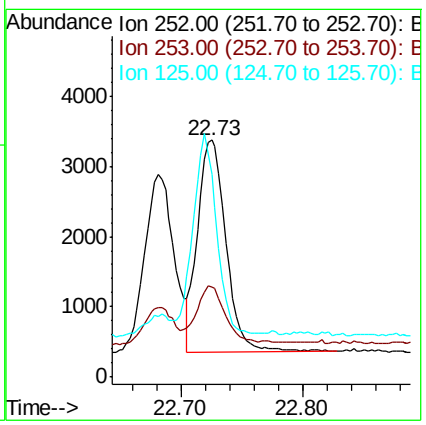


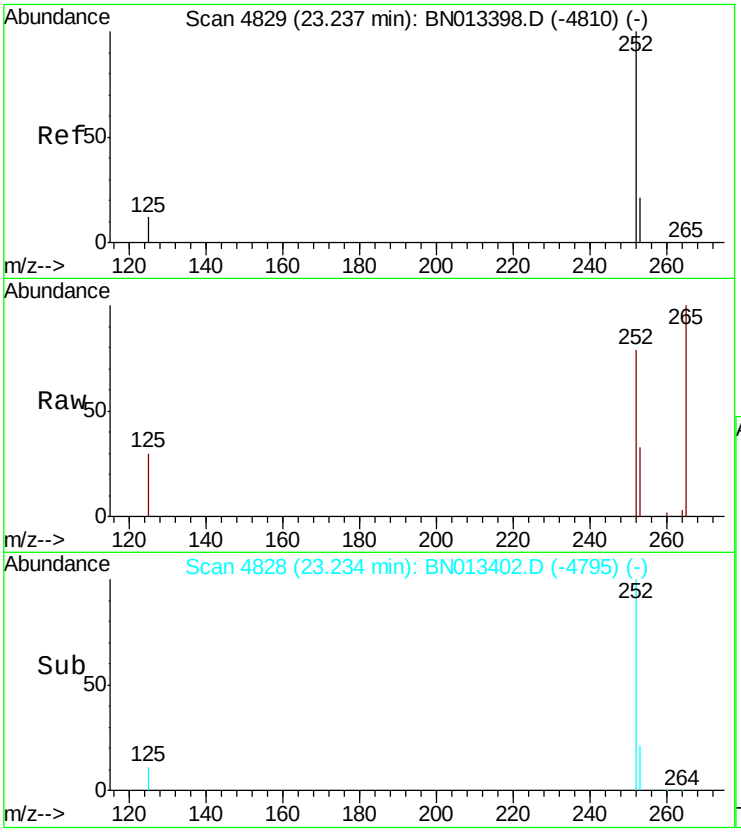


#25
Benzo(k)fluoranthene
Concen: 0.082 ng/ul
RT: 22.73 min Scan# 4654
Delta R.T. -0.00 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Tgt Ion:252 Resp: 4913

Ion	Ratio	Lower	Upper
252	100		
253	38.0	20.3	30.5#
125	85.4	13.3	19.9#



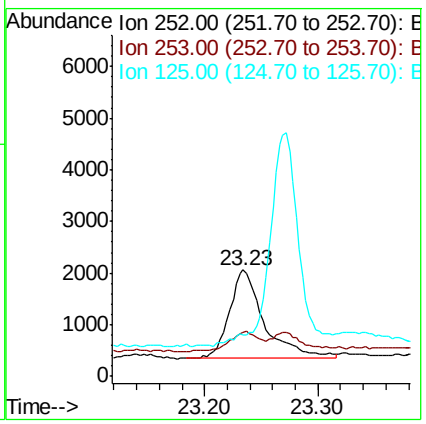


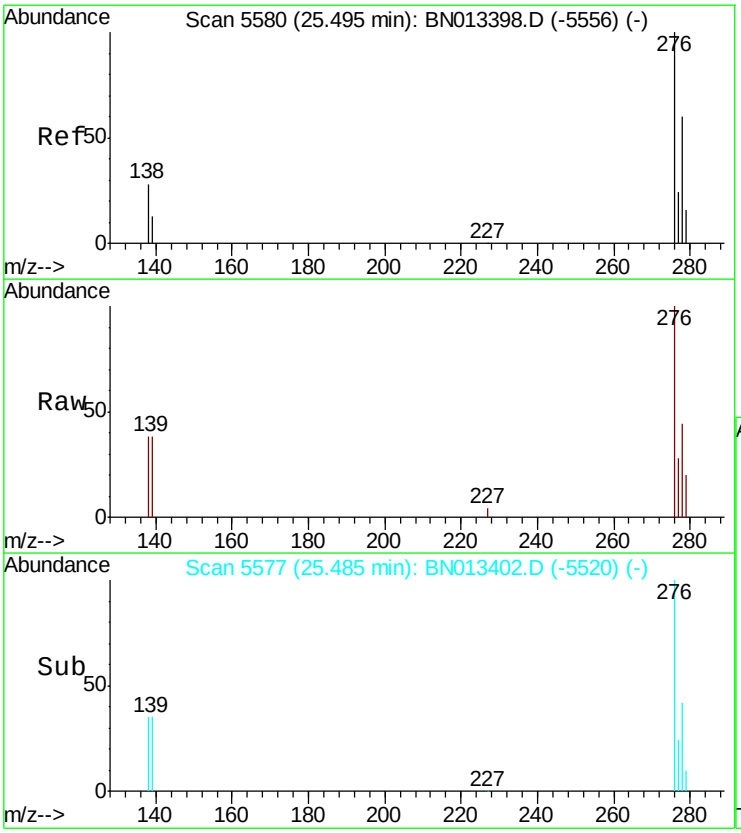
#26
Benzo(a)pyrene
Concen: 0.069 ng/ul
RT: 23.23 min Scan# 4828
Delta R.T. -0.00 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tgt Ion:252 Resp: 3605

Ion	Ratio	Lower	Upper
252	100		
253	41.7	21.3	31.9#
125	38.7	14.8	22.2#

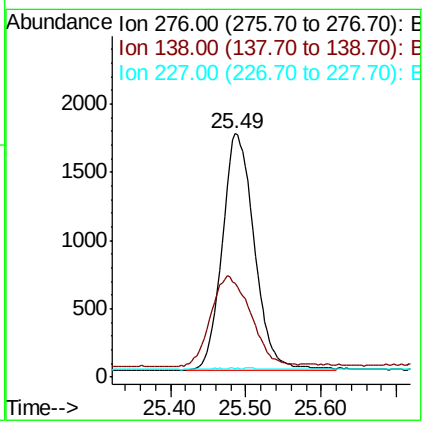


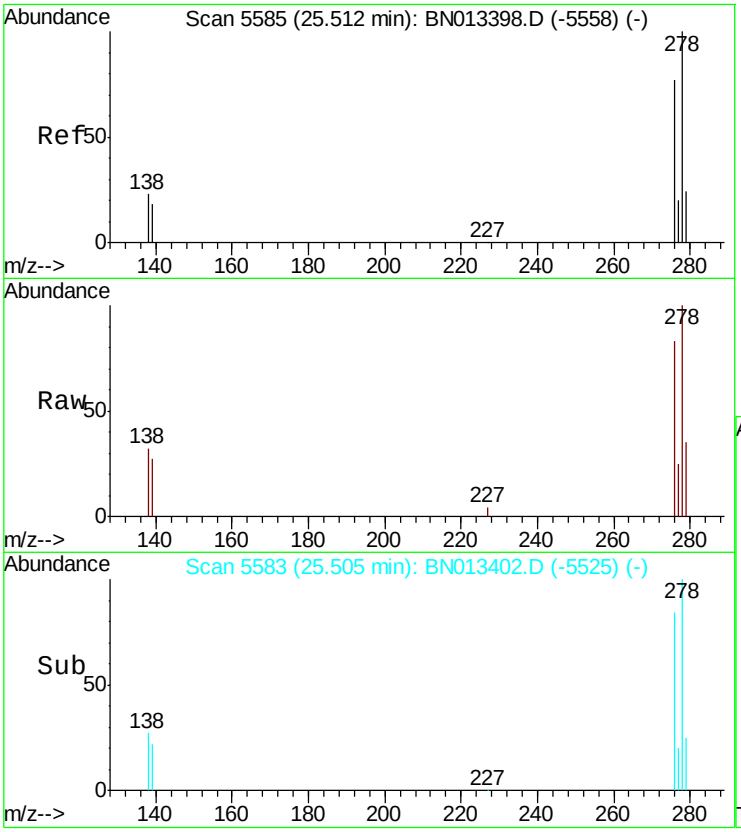


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.077 ng/ul
RT: 25.49 min Scan# 5577
Delta R.T. -0.01 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Tgt Ion:276 Resp: 5100

Ion	Ratio	Lower	Upper
276	100		
138	48.9	22.6	33.8#
227	0.2	0.2	0.2



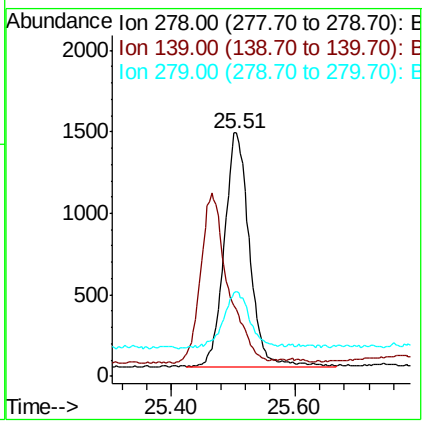


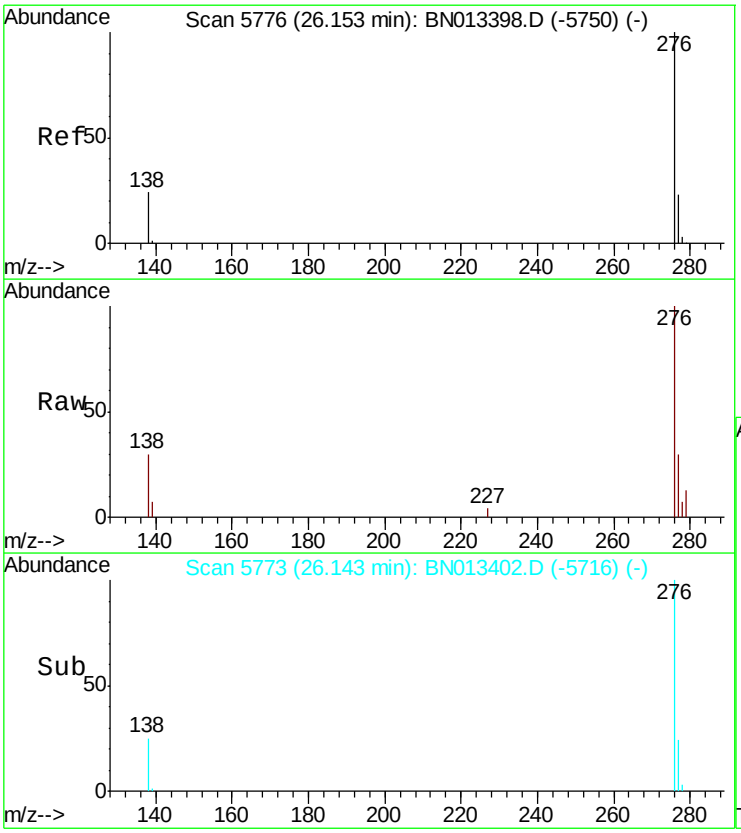
#28
Dibenzo(a,h)anthracene
Concen: 0.073 ng/ul
RT: 25.51 min Scan# 5583
Delta R.T. -0.01 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tgt Ion:278 Resp: 4073

Ion	Ratio	Lower	Upper
278	100		
139	27.3	16.2	24.4#
279	35.0	21.0	31.6#





#29
Benzo(g,h,i)perylene
Concen: 0.069 ng/ul
RT: 26.14 min Scan# 5773
Delta R.T. -0.01 min
Lab File: BN013402.D
Acq: 13 Jan 2021 14:15

Tgt Ion:276 Resp: 4033

Ion	Ratio	Lower	Upper
276	100		
138	30.2	19.3	28.9#
277	29.7	20.1	30.1