Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011221\
Data File : BM028378.D
Acq On : 12 Jan 2021 15:06
Operator : CG/JU
Sample : L5214-03
Misc : SOIL-MDL01
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jan 12 15:40:07 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM011121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 12 10:28:38 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	416	0.40	ng/ul	0.00
4) Naphthalene-d8	10.95	136	1568	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.76	164	833	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.48	188	1701	0.40	ng/ul	0.00
17) Chrysene-d12	21.60	240	1289	0.40	ng/ul	0.00
23) Perylene-d12	23.92	264	1021	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.37	96	257	0.56	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.52	152	725	0.32	ng/ul	0.00
18) Fluoranthene-d10	19.48	212	1277	0.31	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.41	88	27	0.056	ng/ul#	82
5) Naphthalene	11.00	128	282	0.063	ng/ul#	60
7) 2-Methylnaphthalene	12.60	142	179	0.062	ng/ul	97
8) 1-Methylnaphthalene	12.82	142	175	0.064	ng/ul	97
10) Acenaphthylene	14.48	152	210	0.058	ng/ul#	62
11) Acenaphthene	14.82	153	185	0.060	ng/ul#	93
12) Fluorene	15.80	166	202	0.060	ng/ul#	92
14) Pentachlorophenol	17.13	266	27	0.071	ng/ul	92
15) Phenanthrene	17.52	178	328	0.061	ng/ul#	74
16) Anthracene	17.61	178	287	0.061	ng/ul#	68
19) Fluoranthene	19.51	202	374	0.066	ng/ul#	74
20) Pyrene	19.87	202	371	0.066	ng/ul#	73
21) Benzo(a)anthracene	21.58	228	319	0.072	ng/ul#	83
22) Chrysene	21.63	228	350	0.072	ng/ul#	79
24) Benzo(b)fluoranthene	23.22	252	357	0.081	ng/ul#	49
25) Benzo(k)fluoranthene	23.26	252	320	0.077	ng/ul#	46
26) Benzo(a)pyrene	23.82	252	271	0.075	ng/ul#	36
27) Indeno(1,2,3-cd)pyrene	26.30	276	316	0.067	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.31	278	263	0.067	ng/ul#	44
29) Benzo(g,h,i)perylene	27.03	276	285	0.067	ng/ul#	60

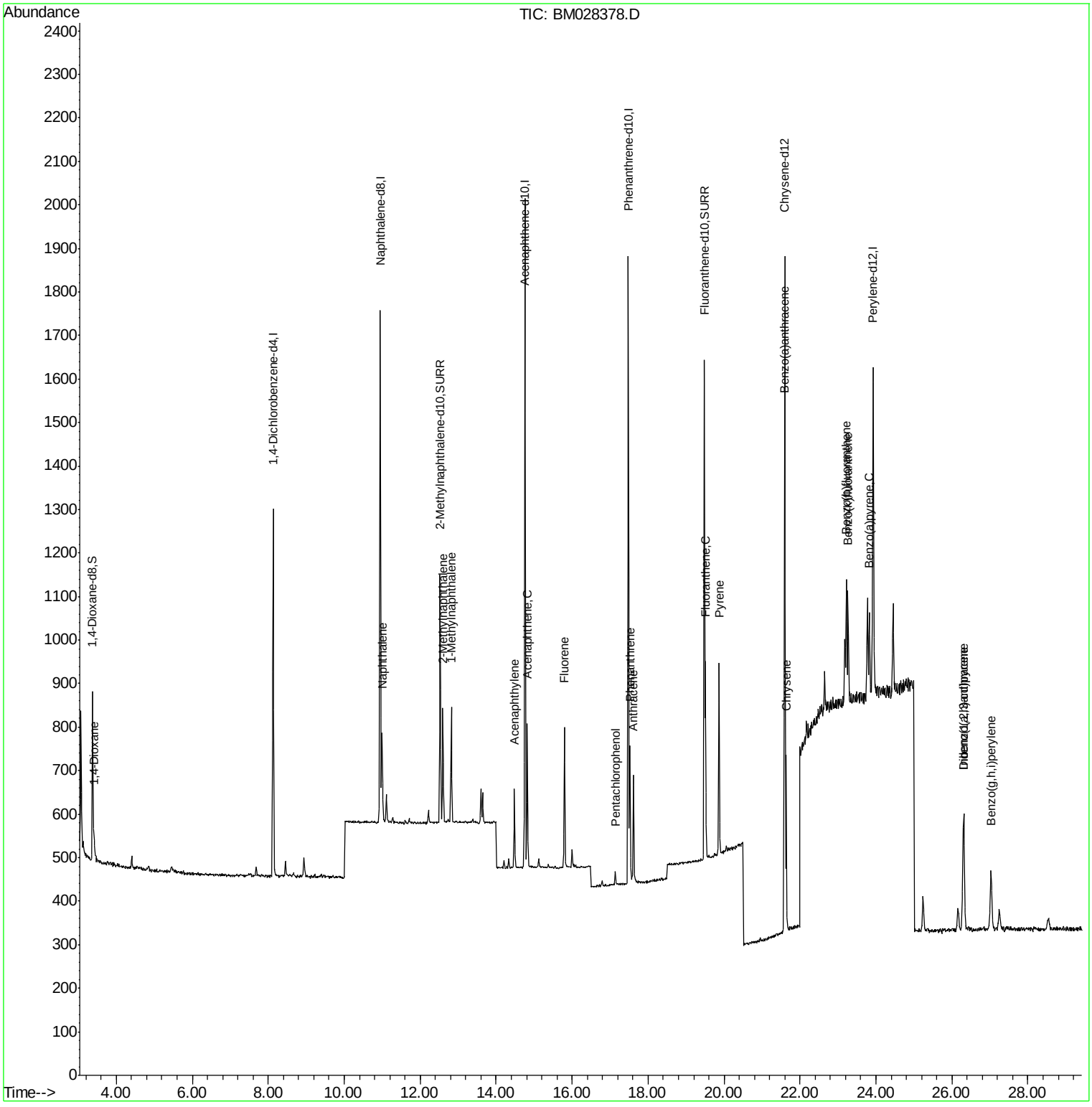
(#) = qualifier out of range (m) = manual integration (+) = signals summed

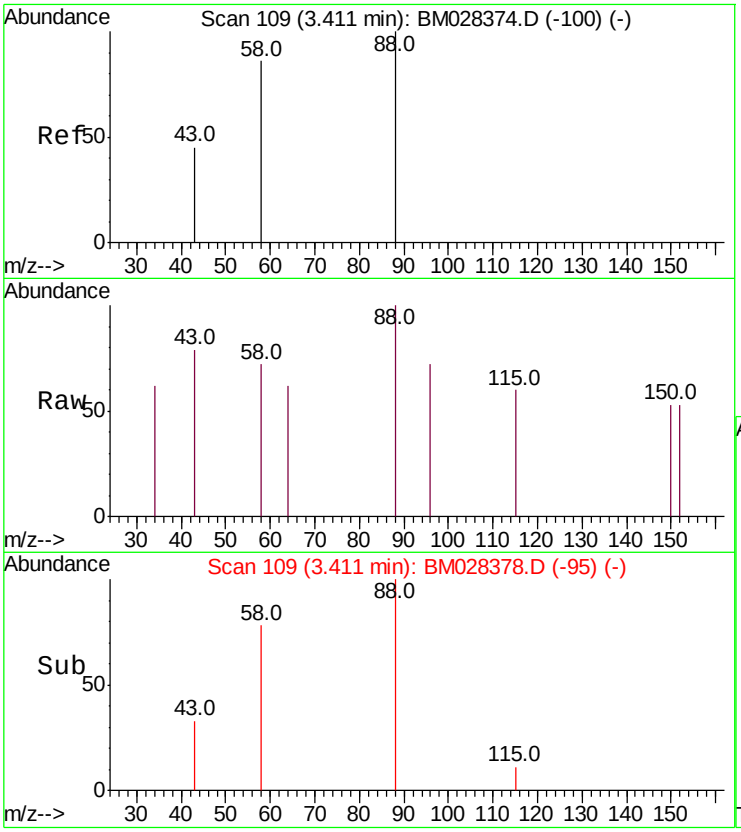
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011221\
Data File : BM028378.D
Acq On : 12 Jan 2021 15:06
Operator : CG/JU
Sample : L5214-03
Misc : SOIL-MDL01
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jan 12 15:40:07 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM011121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 12 10:28:38 2021
Response via : Initial Calibration



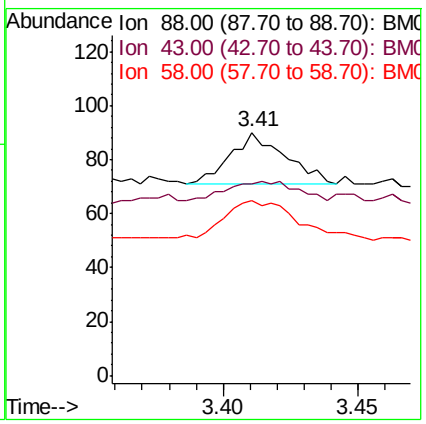


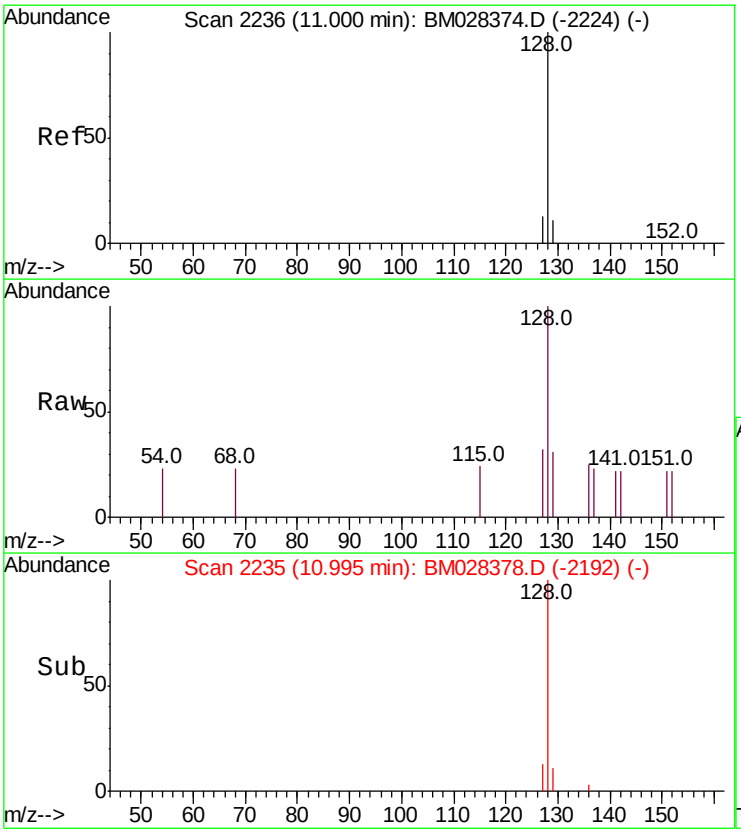
#2
1,4-Dioxane
Concen: 0.056 ng/ul
RT: 3.41 min Scan# 109
Delta R.T. 0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

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

Tgt Ion: 88 Resp: 27

Ion	Ratio	Lower	Upper
88	100		
43	78.9	47.8	71.6#
58	72.2	67.1	100.7

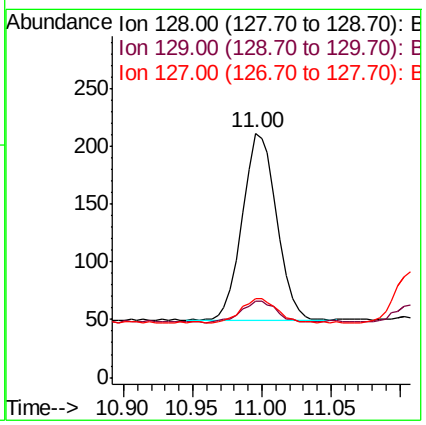


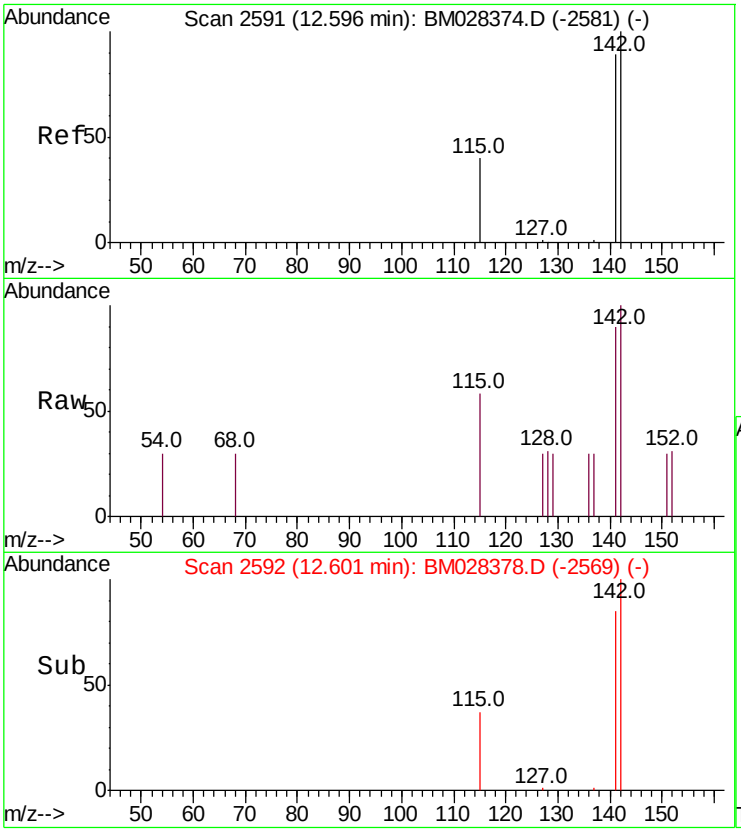


#5
Naphthalene
Concen: 0.063 ng/ul
RT: 11.00 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

Tgt Ion:128 Resp: 282

Ion	Ratio	Lower	Upper
128	100		
129	31.3	11.1	16.7#
127	32.2	13.0	19.4#



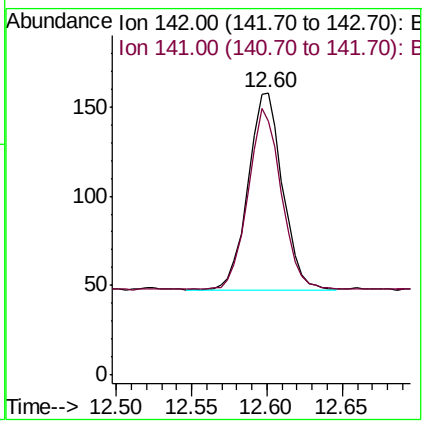


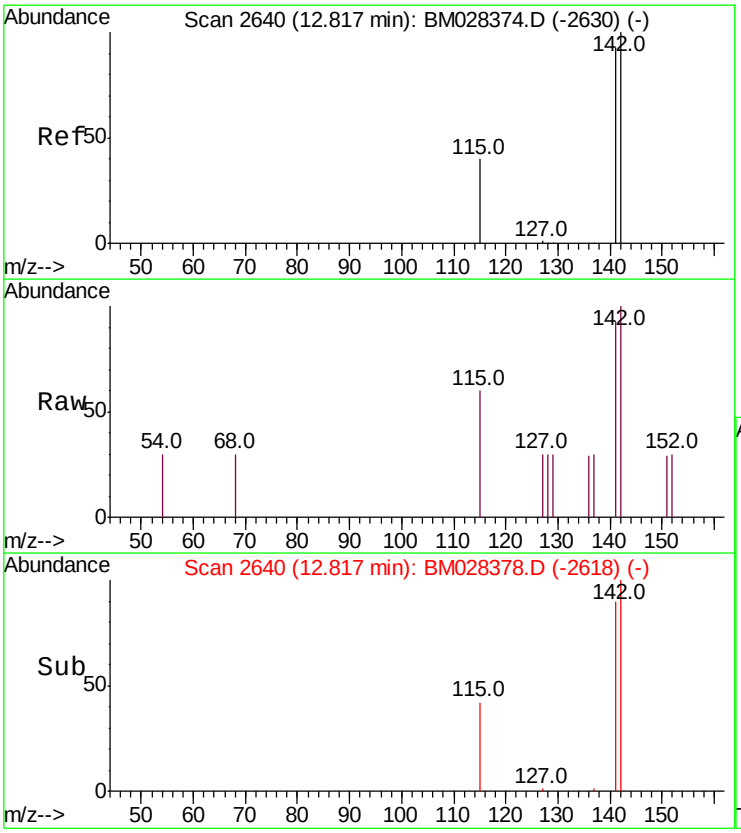
#7
2-Methylnaphthalene
Concen: 0.062 ng/ul
RT: 12.60 min Scan# 2592
Delta R.T. 0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

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

Tgt Ion:142 Resp: 179

Ion	Ratio	Lower	Upper
142	100		
141	86.0	71.0	106.6

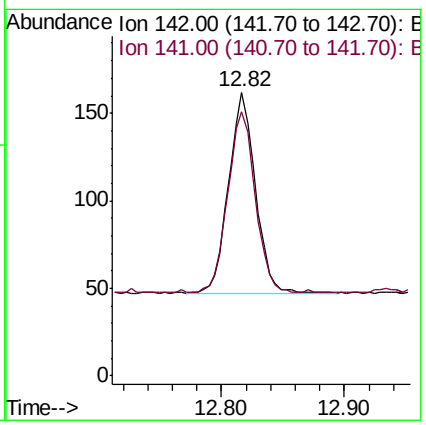


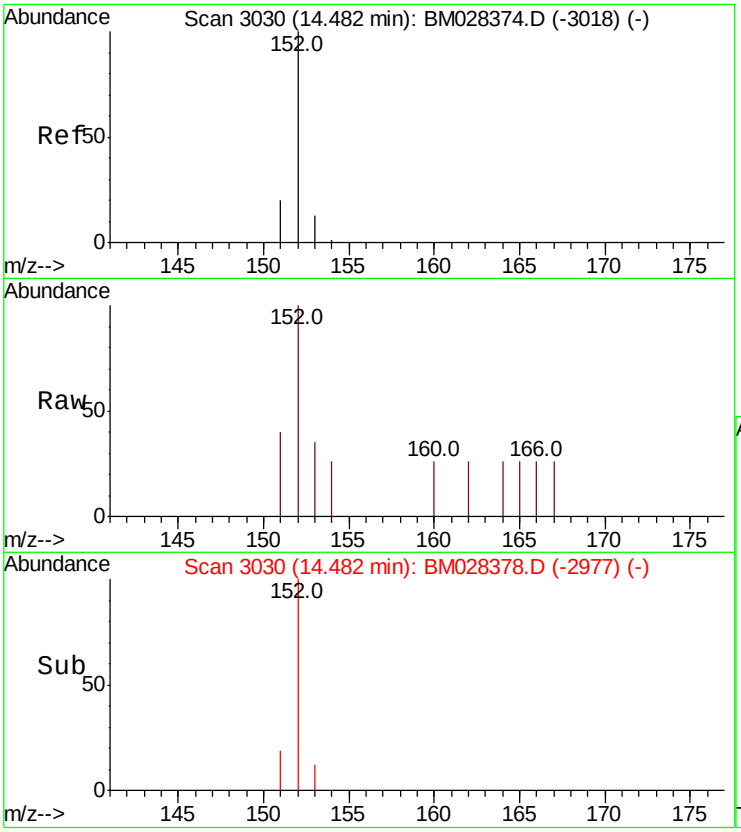


#8
1-Methylnaphthalene
Concen: 0.064 ng/ul
RT: 12.82 min Scan# 2640
Delta R.T. 0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

Tgt Ion:142 Resp: 175

Ion	Ratio	Lower	Upper
142	100		
141	89.7	74.0	111.0



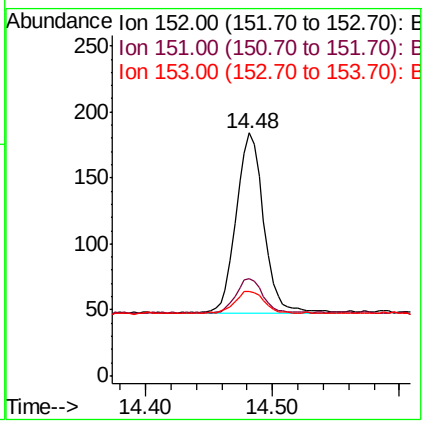


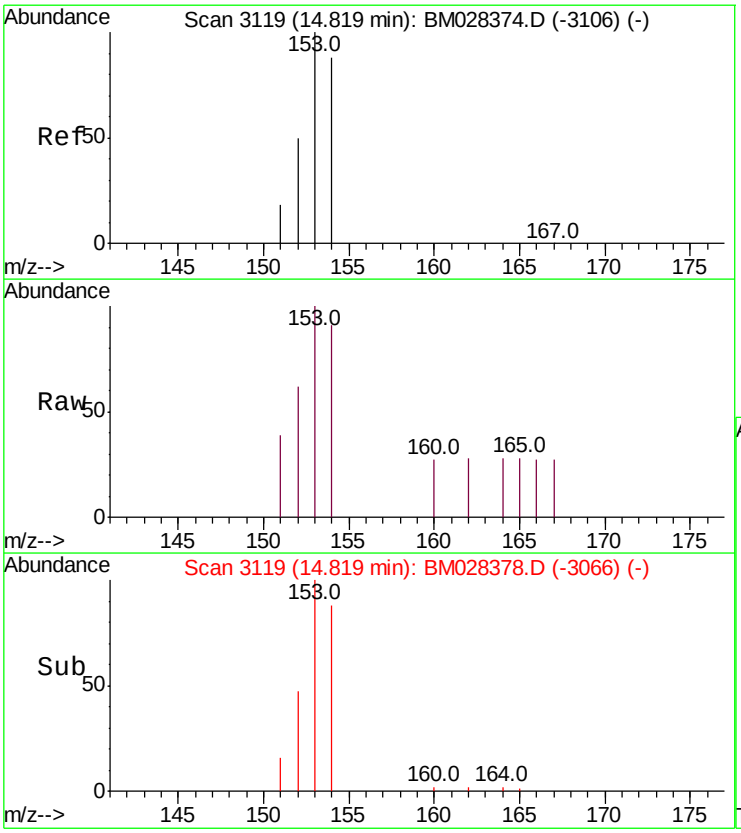
#10
Acenaphthylene
Concen: 0.058 ng/ul
RT: 14.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

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

Tgt Ion:152 Resp: 210

Ion	Ratio	Lower	Upper
152	100		
151	40.2	18.4	27.6#
153	34.8	13.8	20.6#

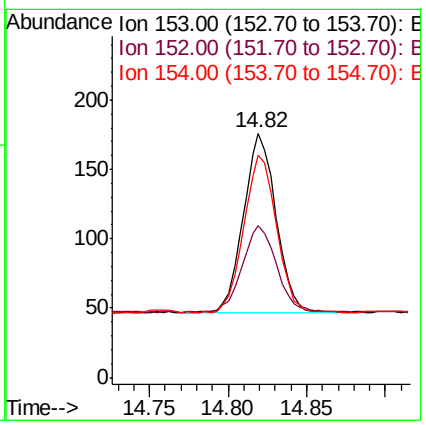


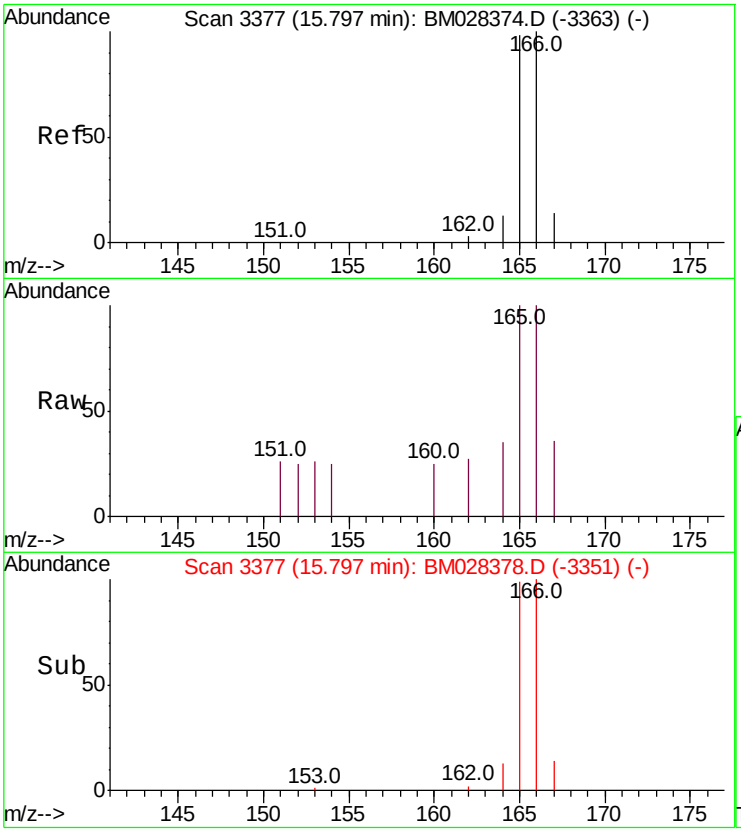


#11
Acenaphthene
Concen: 0.060 ng/ul
RT: 14.82 min Scan# 3119
Delta R.T. 0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

Tgt Ion:153 Resp: 185

Ion	Ratio	Lower	Upper
153	100		
152	61.9	40.9	61.3#
154	90.9	71.7	107.5



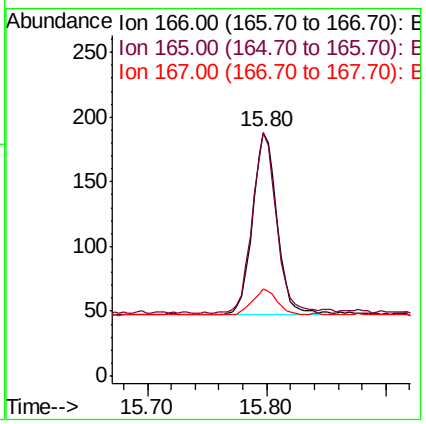


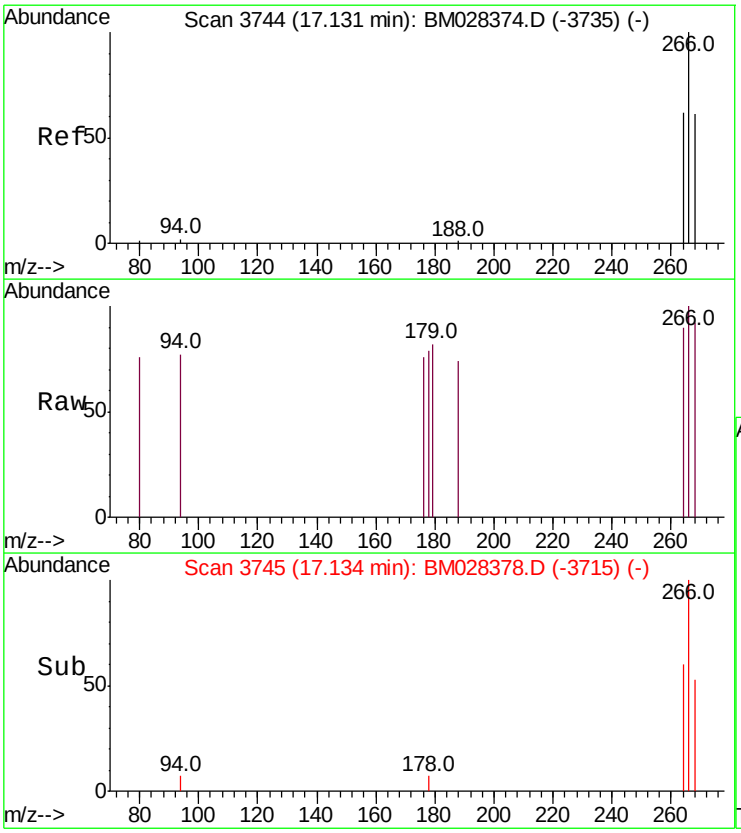
#12
Fluorene
Concen: 0.060 ng/ul
RT: 15.80 min Scan# 3377
Delta R.T. 0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

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

Tgt Ion:166 Resp: 202

Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.6	117.8
167	35.6	14.2	21.2#

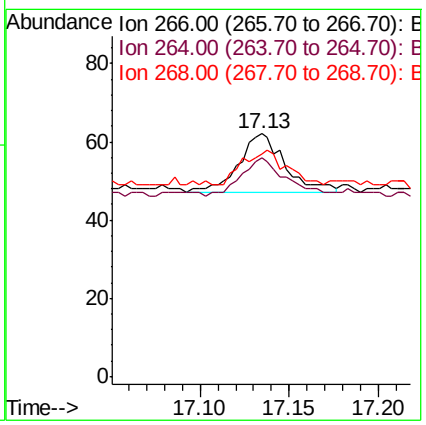


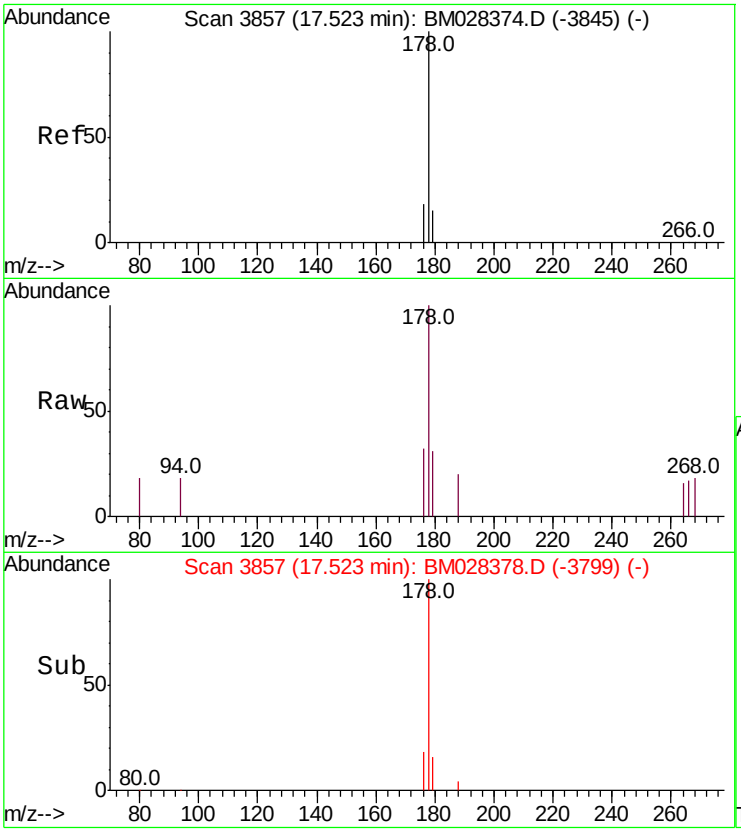


#14
Pentachlorophenol
Concen: 0.071 ng/ul
RT: 17.13 min Scan# 3745
Delta R.T. 0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

Tgt Ion:266 Resp: 27

Ion	Ratio	Lower	Upper
266	100		
264	63.0	52.6	78.8
268	55.6	52.0	78.0



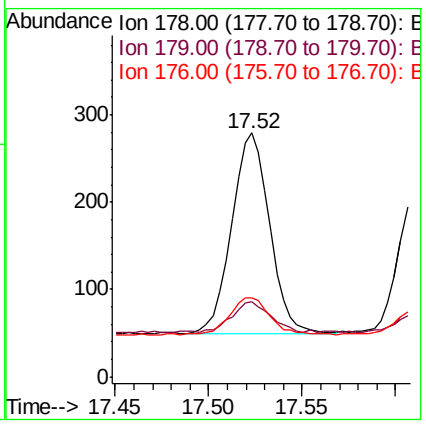


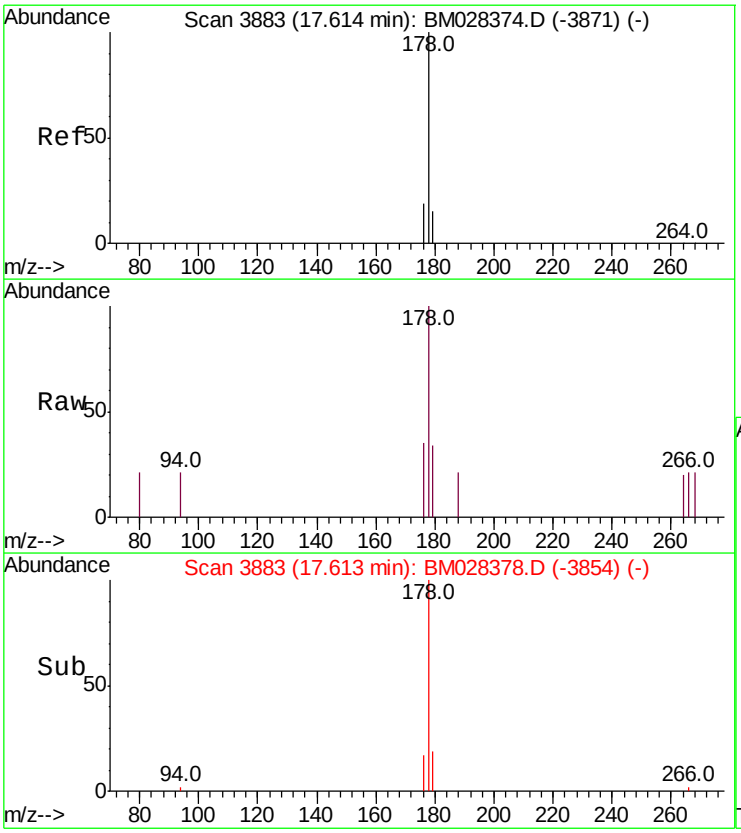
#15
Phenanthrene
Concen: 0.061 ng/ul
RT: 17.52 min Scan# 3857
Delta R.T. -0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

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

Tgt Ion:178 Resp: 328

Ion	Ratio	Lower	Upper
178	100		
179	30.8	14.6	21.8#
176	32.3	17.0	25.6#

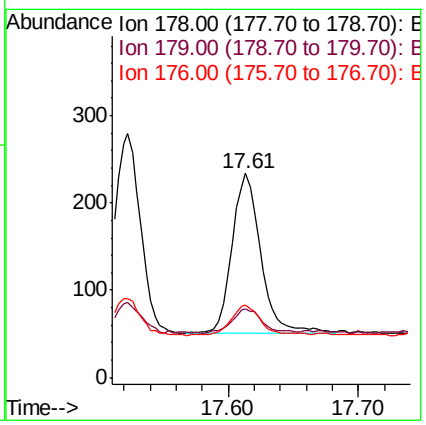


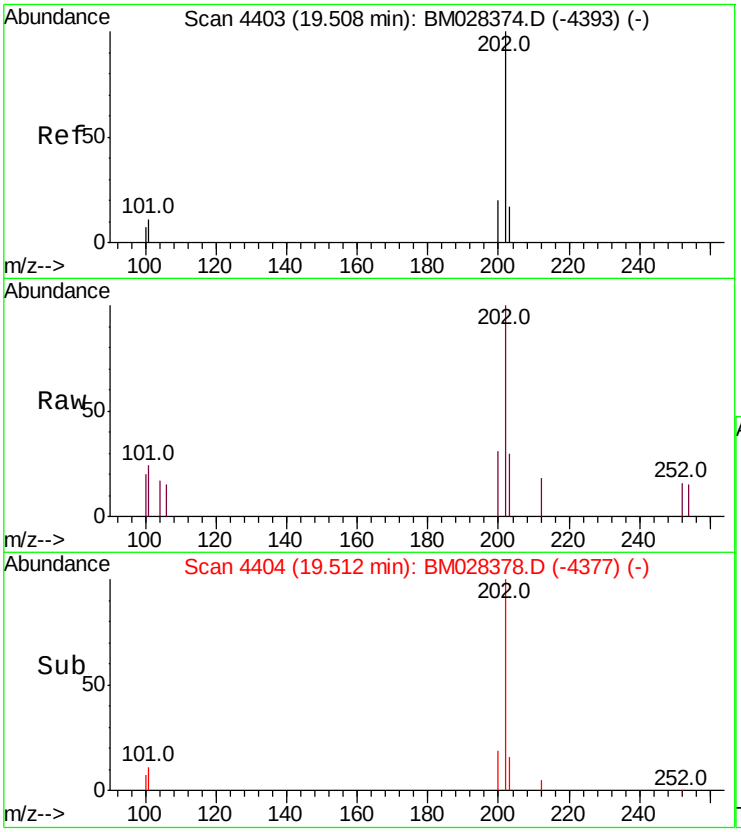


#16
Anthracene
Concen: 0.061 ng/ul
RT: 17.61 min Scan# 3883
Delta R.T. -0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

Tgt Ion:178 Resp: 287

Ion	Ratio	Lower	Upper
178	100		
179	33.8	15.1	22.7#
176	35.5	17.0	25.4#



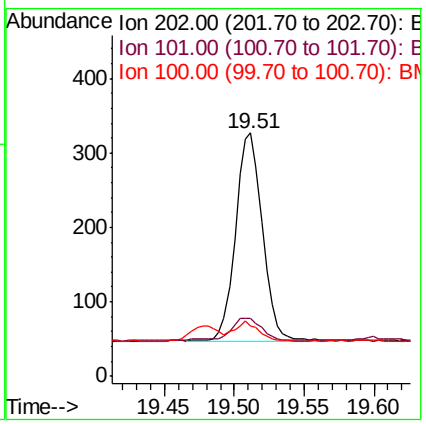


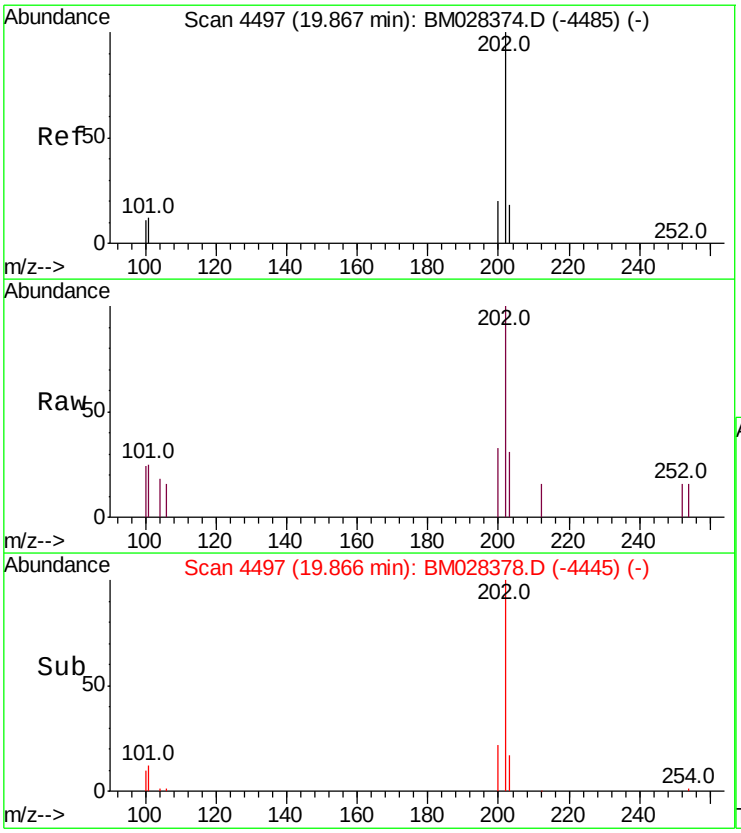
#19
Fluoranthene
Concen: 0.066 ng/ul
RT: 19.51 min Scan# 4404
Delta R.T. 0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

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

Tgt Ion:202 Resp: 374

Ion	Ratio	Lower	Upper
202	100		
101	23.9	10.2	15.4#
100	20.5	9.0	13.4#

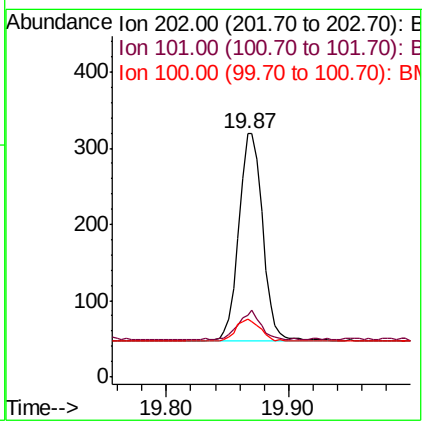


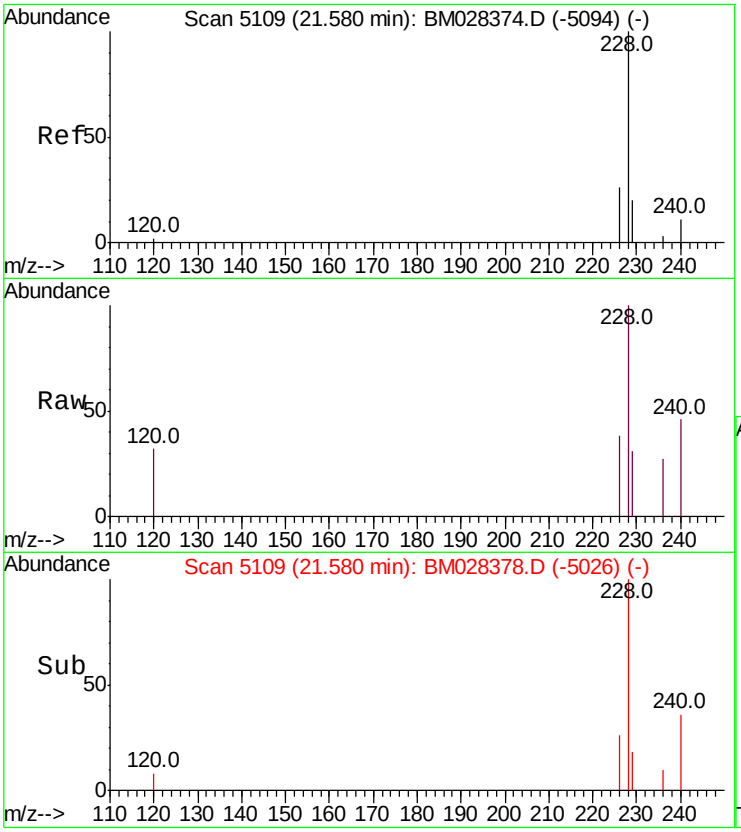


#20
Pyrene
Concen: 0.066 ng/ul
RT: 19.87 min Scan# 4497
Delta R.T. -0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

Tgt Ion:202 Resp: 371

Ion	Ratio	Lower	Upper
202	100		
101	25.4	11.8	17.8#
100	23.8	10.1	15.1#



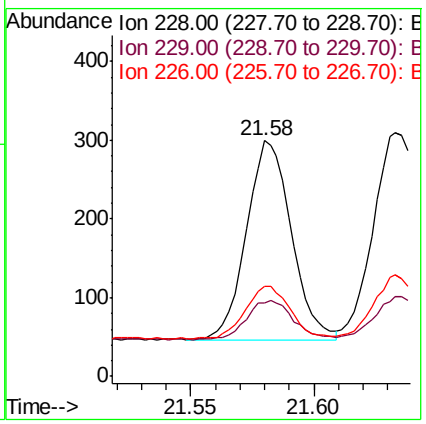


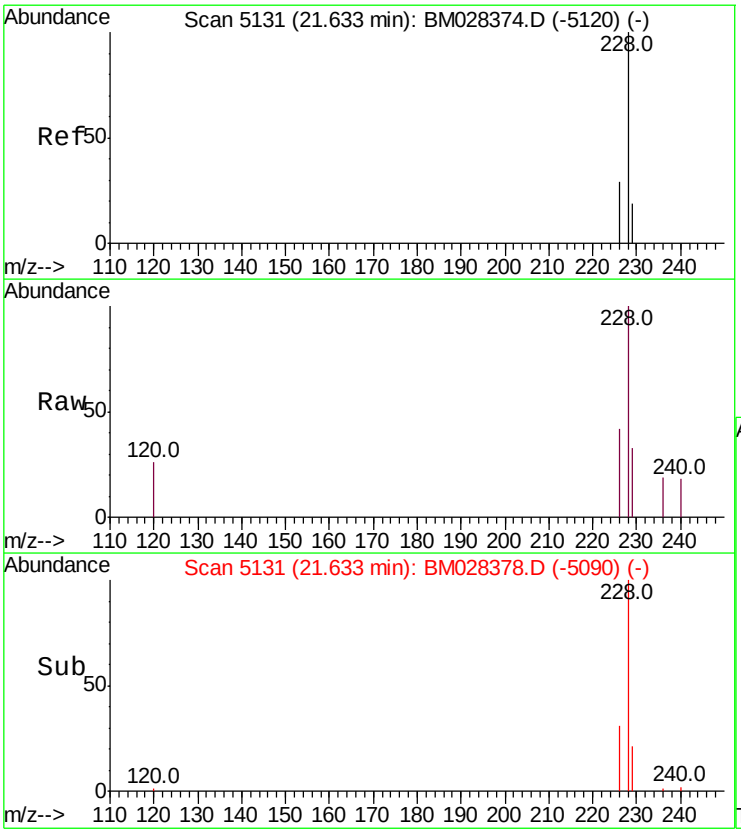
#21
Benzo(a)anthracene
Concen: 0.072 ng/ul
RT: 21.58 min Scan# 5109
Delta R.T. -0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

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

Tgt Ion:228 Resp: 319

Ion	Ratio	Lower	Upper
228	100		
229	31.1	18.3	27.5#
226	38.1	23.0	34.4#

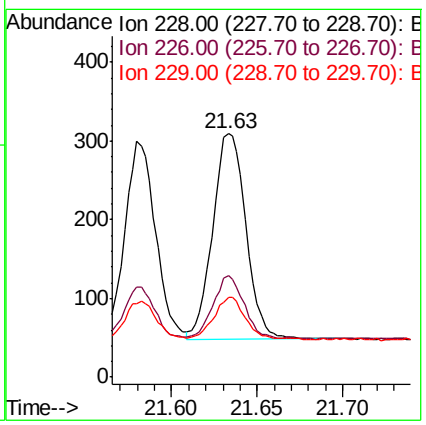


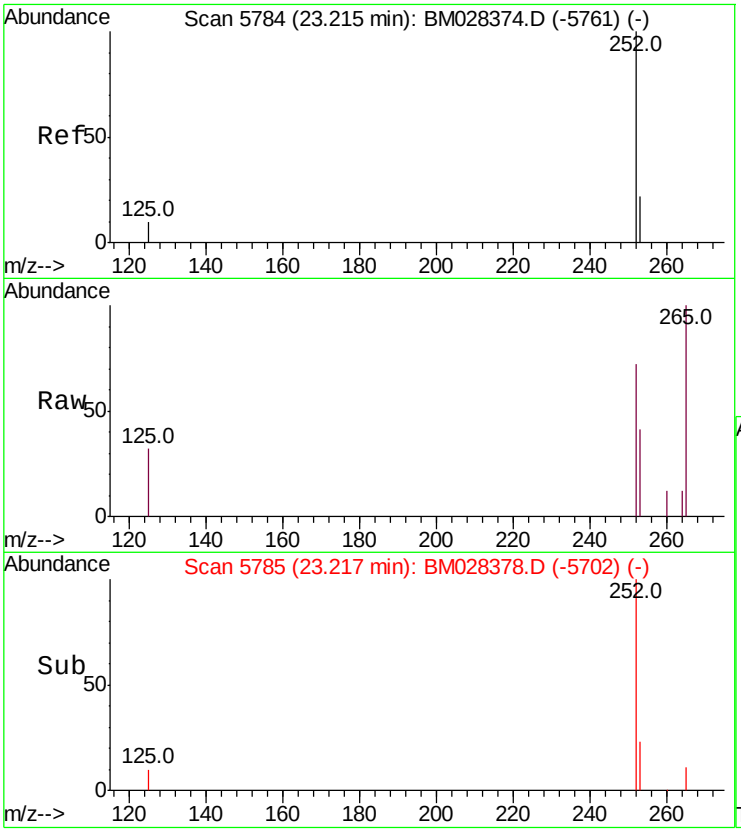


#22
Chrysene
Concen: 0.072 ng/ul
RT: 21.63 min Scan# 5131
Delta R.T. -0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

Tgt Ion:228 Resp: 350

Ion	Ratio	Lower	Upper
228	100		
226	41.7	25.1	37.7#
229	33.0	17.4	26.0#



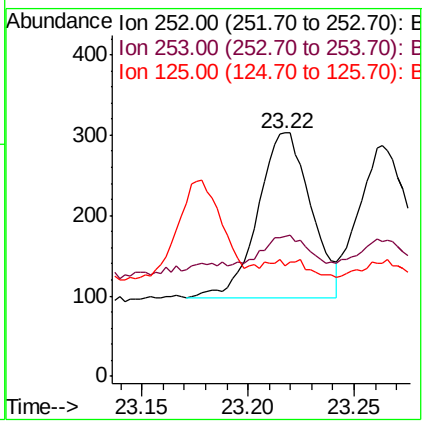


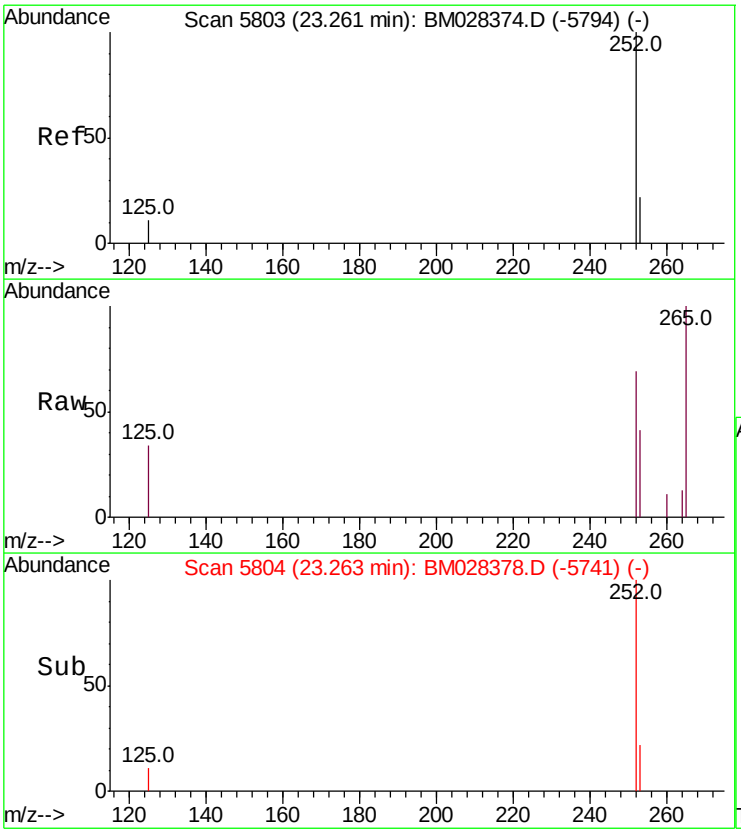
#24
Benzo(b)fluoranthene
Concen: 0.081 ng/ul
RT: 23.22 min Scan# 5785
Delta R.T. 0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

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

Tgt Ion:252 Resp: 357

Ion	Ratio	Lower	Upper
252	100		
253	57.4	0.0	61.4
125	45.2	0.0	40.4#

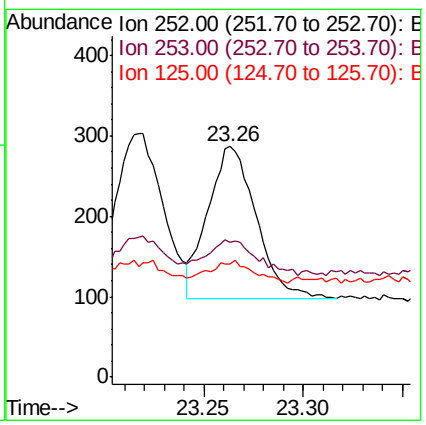


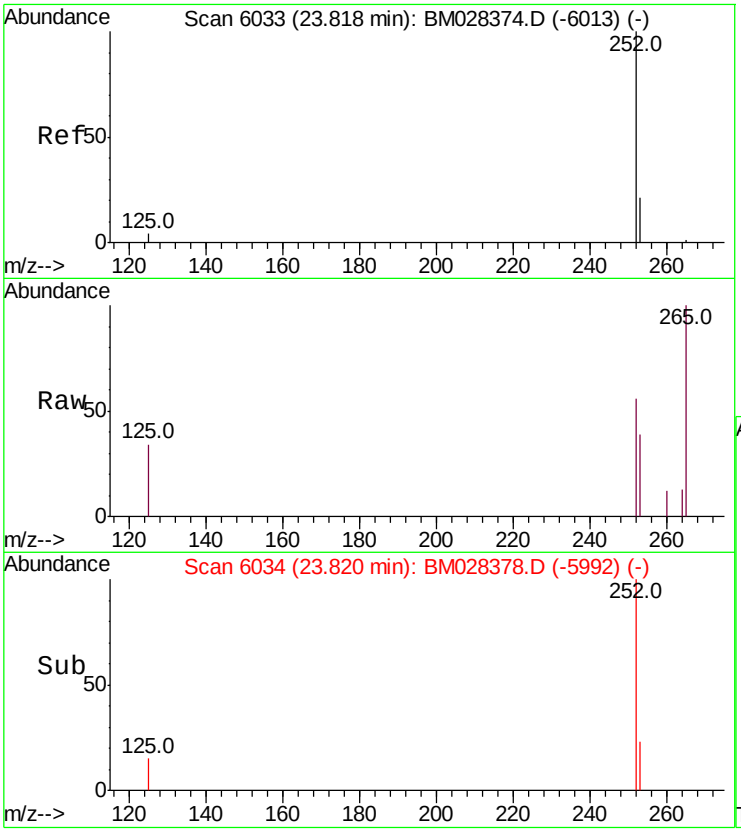


#25
Benzo(k)fluoranthene
Concen: 0.077 ng/ul
RT: 23.26 min Scan# 5804
Delta R.T. 0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

Tgt Ion:252 Resp: 320

Ion	Ratio	Lower	Upper
252	100		
253	58.5	24.7	37.1#
125	49.1	17.3	25.9#



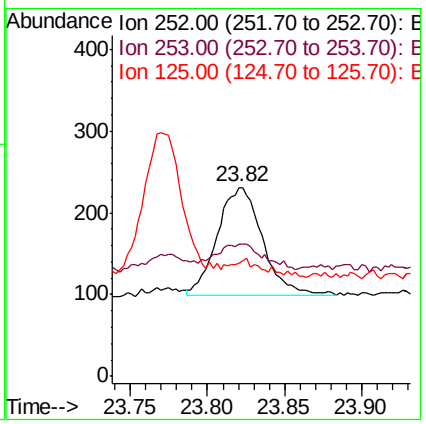


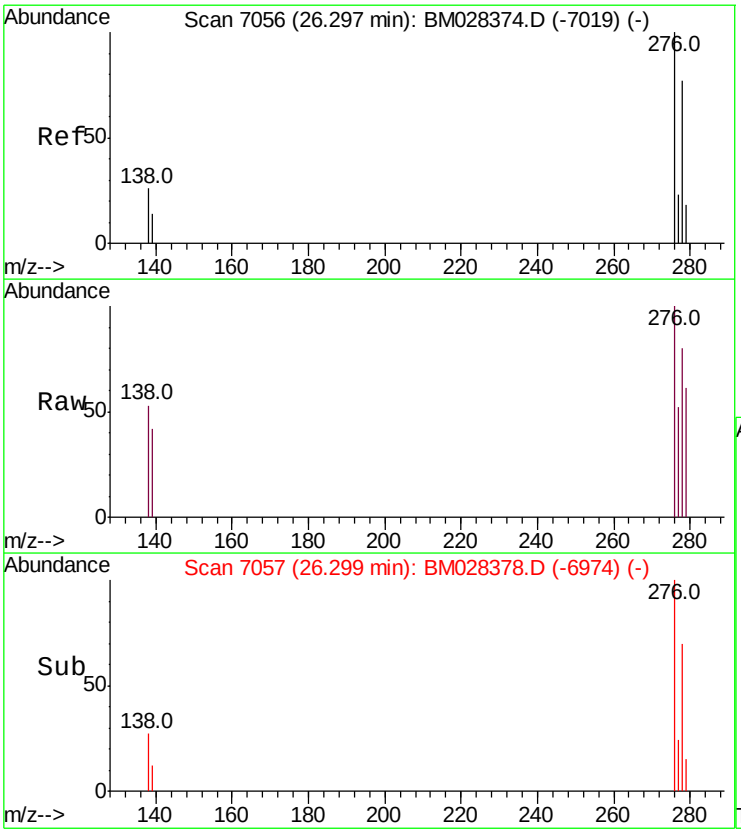
#26
Benzo(a)pyrene
Concen: 0.075 ng/ul
RT: 23.82 min Scan# 6034
Delta R.T. 0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

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

Tgt Ion:252 Resp: 271

Ion	Ratio	Lower	Upper
252	100		
253	70.1	28.0	42.0#
125	60.2	20.6	30.8#

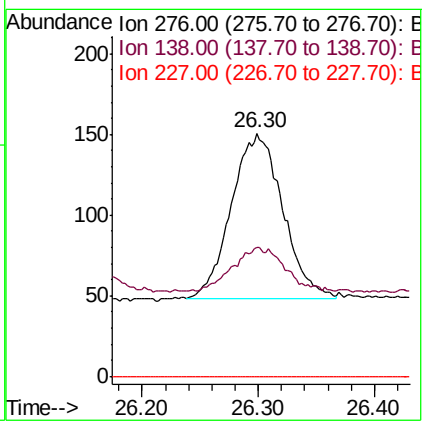


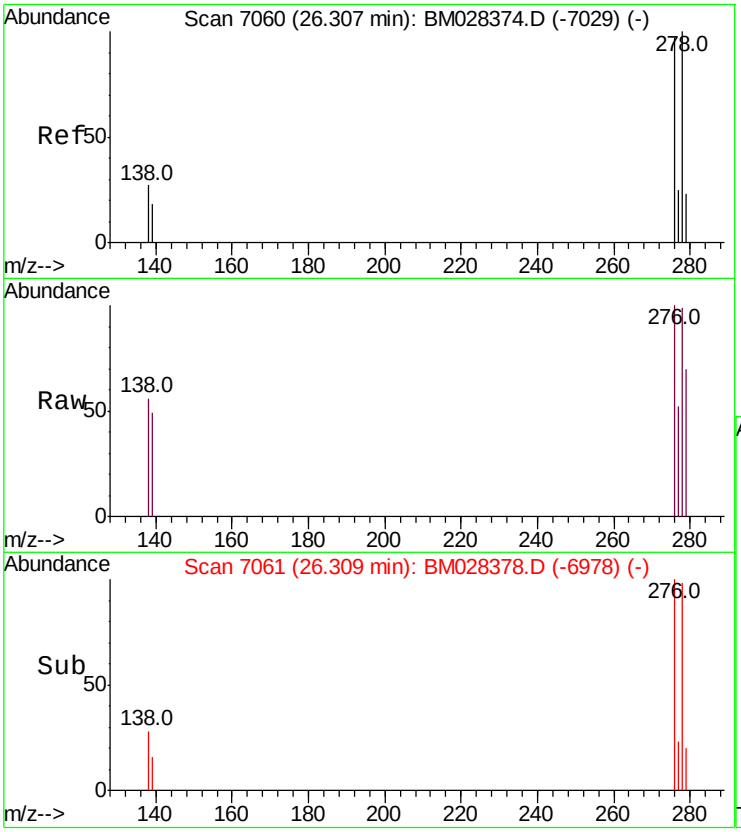


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.067 ng/ul
RT: 26.30 min Scan# 7057
Delta R.T. 0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

Tgt Ion:276 Resp: 316

Ion	Ratio	Lower	Upper
276	100		
138	25.9	21.9	32.9
227	0.0	0.0	0.0



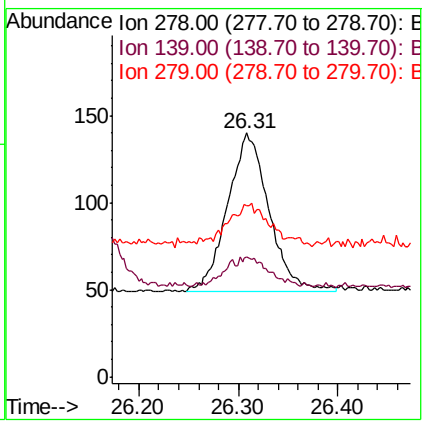


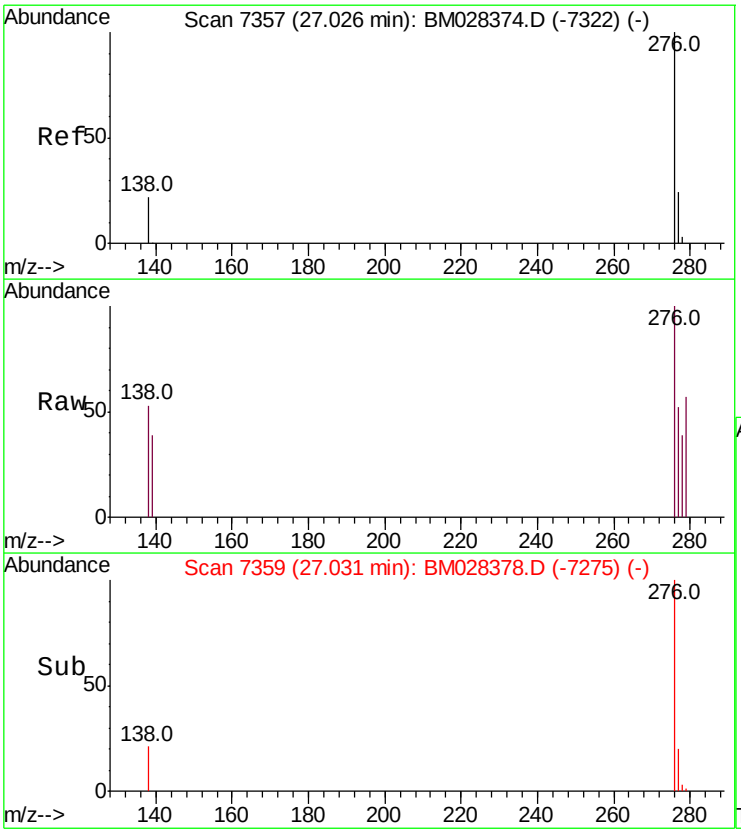
#28
Dibenzo(a,h)anthracene
Concen: 0.067 ng/ul
RT: 26.31 min Scan# 7061
Delta R.T. 0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

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

Tgt Ion:278 Resp: 263

Ion	Ratio	Lower	Upper
278	100		
139	49.3	20.3	30.5#
279	70.0	27.5	41.3#





#29
Benzo(g,h,i)perylene
Concen: 0.067 ng/ul
RT: 27.03 min Scan# 7359
Delta R.T. 0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

Tgt Ion:276 Resp: 285

Ion	Ratio	Lower	Upper
276	100		
138	52.6	24.7	37.1#
277	51.8	23.8	35.6#