Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011321\
Data File : BM028383.D
Acq On : 13 Jan 2021 10:50
Operator : CG/JU
Sample : L5214-04
Misc : SFAM-SIM-MDL-S-02
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-SOIL-QT1-2021-02

Quant Time: Jan 13 11:23:44 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	415	0.40	ng/ul	0.00
4) Naphthalene-d8	10.95	136	1562	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.76	164	799	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.48	188	1559	0.40	ng/ul	0.00
17) Chrysene-d12	21.60	240	1136	0.40	ng/ul	0.00
23) Perylene-d12	23.92	264	947	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.37	96	242	0.52	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.52	152	712	0.32	ng/ul	0.00
18) Fluoranthene-d10	19.48	212	1145	0.32	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.41	88	31	0.065	ng/ul#	81
5) Naphthalene	11.00	128	277	0.062	ng/ul#	60
7) 2-Methylnaphthalene	12.60	142	177	0.062	ng/ul	98
8) 1-Methylnaphthalene	12.81	142	173	0.063	ng/ul	96
10) Acenaphthylene	14.48	152	200	0.058	ng/ul#	62
11) Acenaphthene	14.82	153	177	0.060	ng/ul#	91
12) Fluorene	15.80	166	197	0.061	ng/ul#	93
14) Pentachlorophenol	17.13	266	25	0.071	ng/ul	97
15) Phenanthrene	17.52	178	300	0.061	ng/ul#	71
16) Anthracene	17.61	178	263	0.061	ng/ul#	66
19) Fluoranthene	19.51	202	332	0.067	ng/ul#	71
20) Pyrene	19.87	202	328	0.067	ng/ul#	72
21) Benzo(a)anthracene	21.58	228	275	0.071	ng/ul#	79
22) Chrysene	21.63	228	306	0.072	ng/ul#	81
24) Benzo(b)fluoranthene	23.22	252	320	0.079	ng/ul#	47
25) Benzo(k)fluoranthene	23.26	252	275	0.071	ng/ul#	45
26) Benzo(a)pyrene	23.82	252	246	0.074	ng/ul#	34
27) Indeno(1,2,3-cd)pyrene	26.30	276	311	0.071	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.31	278	248	0.068	ng/ul#	44
29) Benzo(g,h,i)perylene	27.03	276	270	0.069	ng/ul#	59

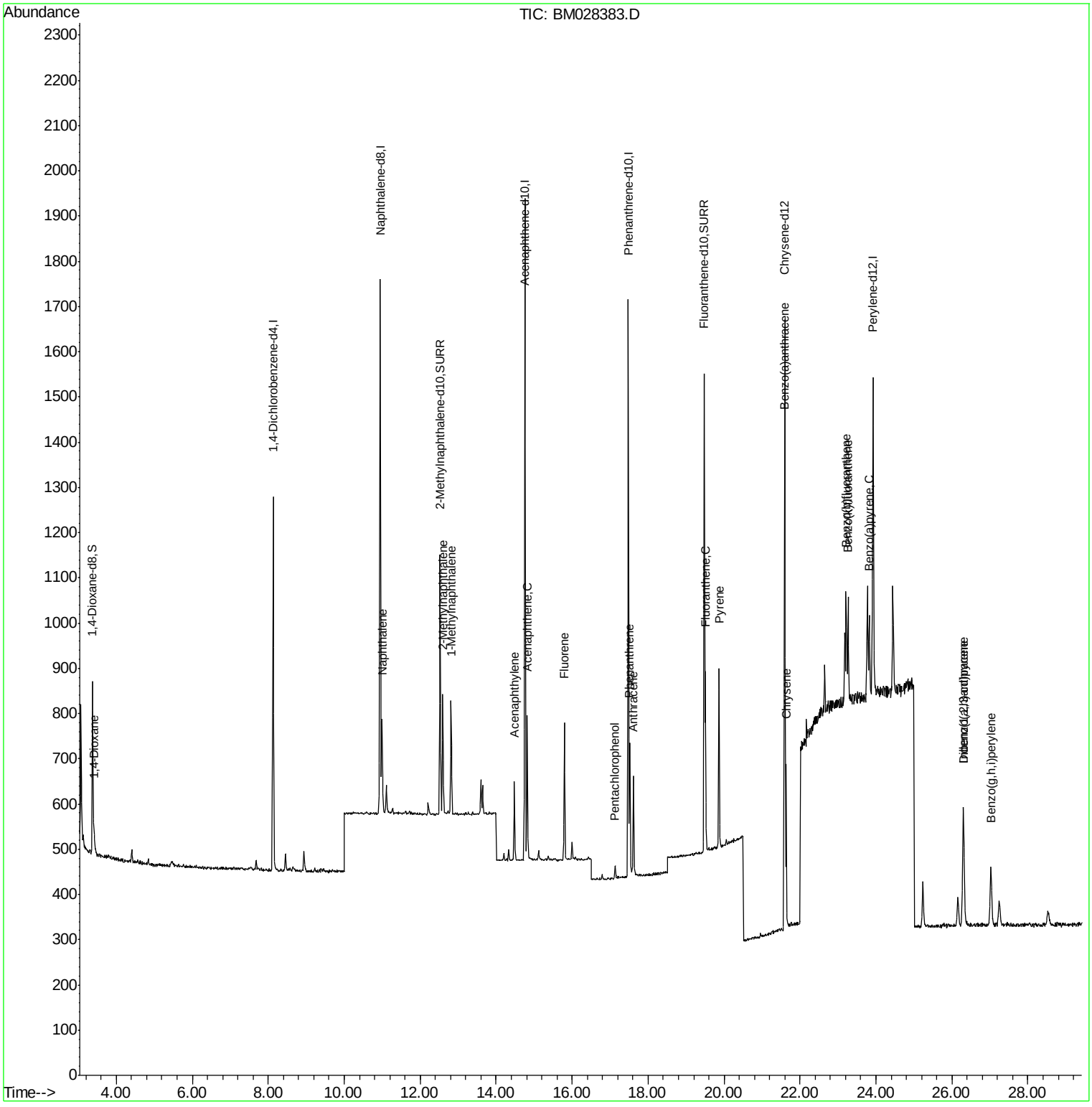
(#) = qualifier out of range (m) = manual integration (+) = signals summed

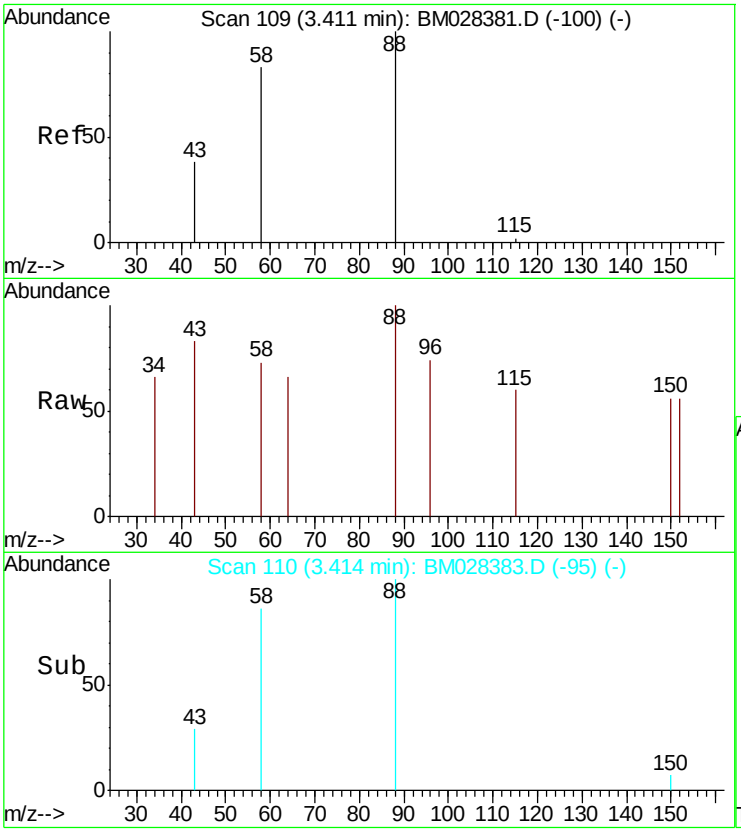
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011321\
Data File : BM028383.D
Acq On : 13 Jan 2021 10:50
Operator : CG/JU
Sample : L5214-04
Misc : SFAM-SIM-MDL-S-02
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-02

Quant Time: Jan 13 11:23:44 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



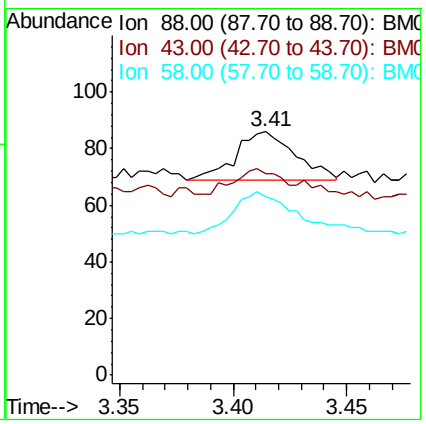


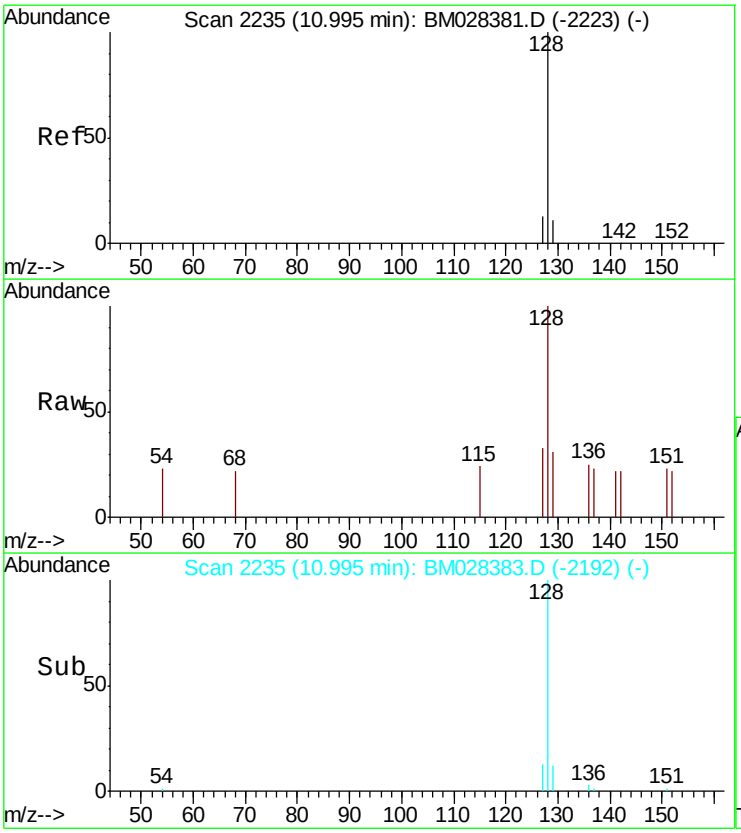
#2
1,4-Dioxane
Concen: 0.065 ng/ul
RT: 3.41 min Scan# 110
Delta R.T. 0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-02

Tgt Ion: 88 Resp: 31

Ion	Ratio	Lower	Upper
88	100		
43	82.6	47.8	71.6#
58	73.3	67.1	100.7

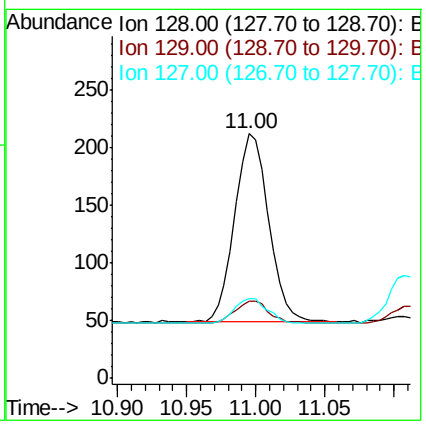


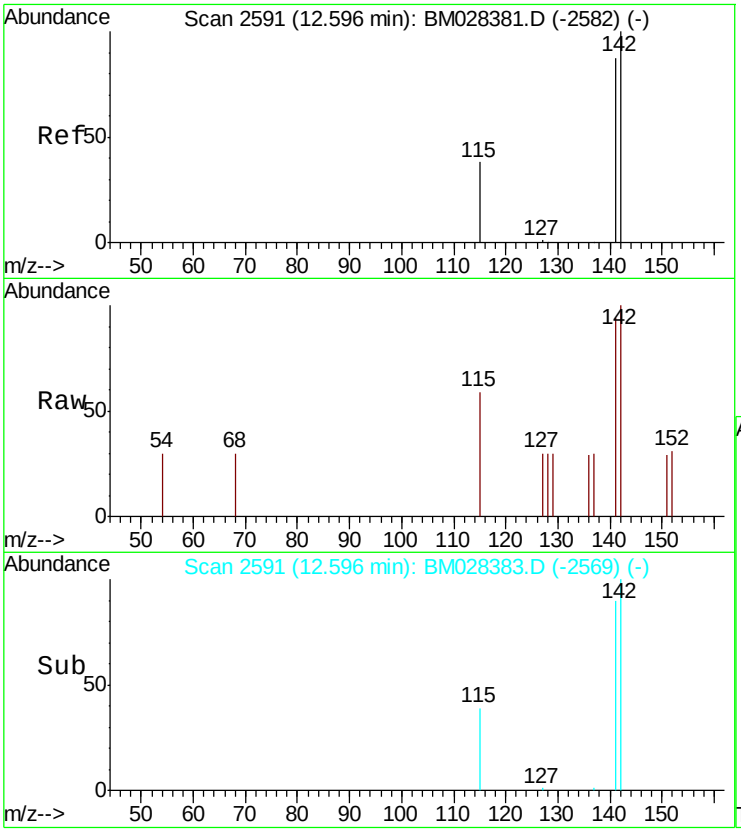


#5
Naphthalene
Concen: 0.062 ng/ul
RT: 11.00 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Tgt Ion:128 Resp: 277

Ion	Ratio	Lower	Upper
128	100		
129	31.1	11.1	16.7#
127	32.5	13.0	19.4#



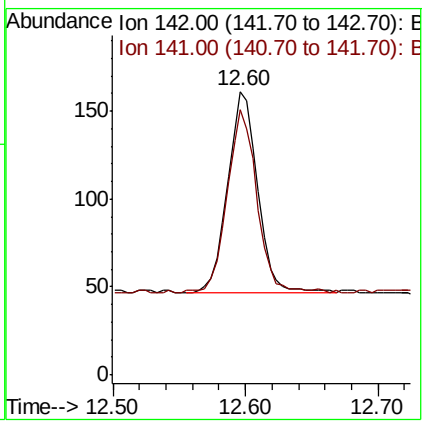


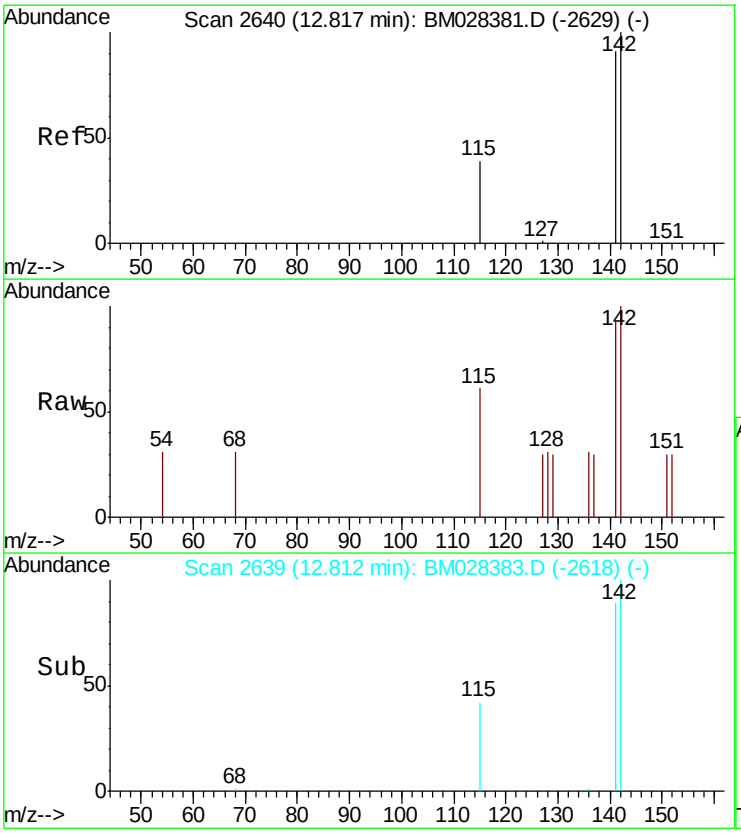
#7
2-Methylnaphthalene
Concen: 0.062 ng/ul
RT: 12.60 min Scan# 2591
Delta R.T. -0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-02

Tgt Ion:142 Resp: 177

Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.0	106.6

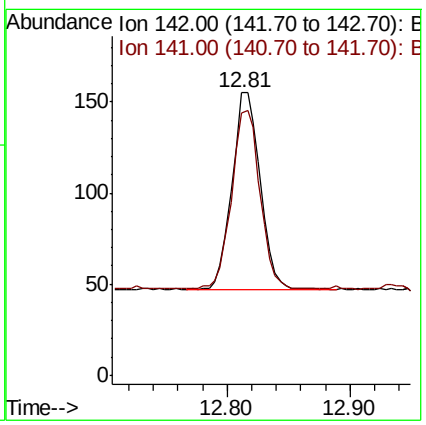


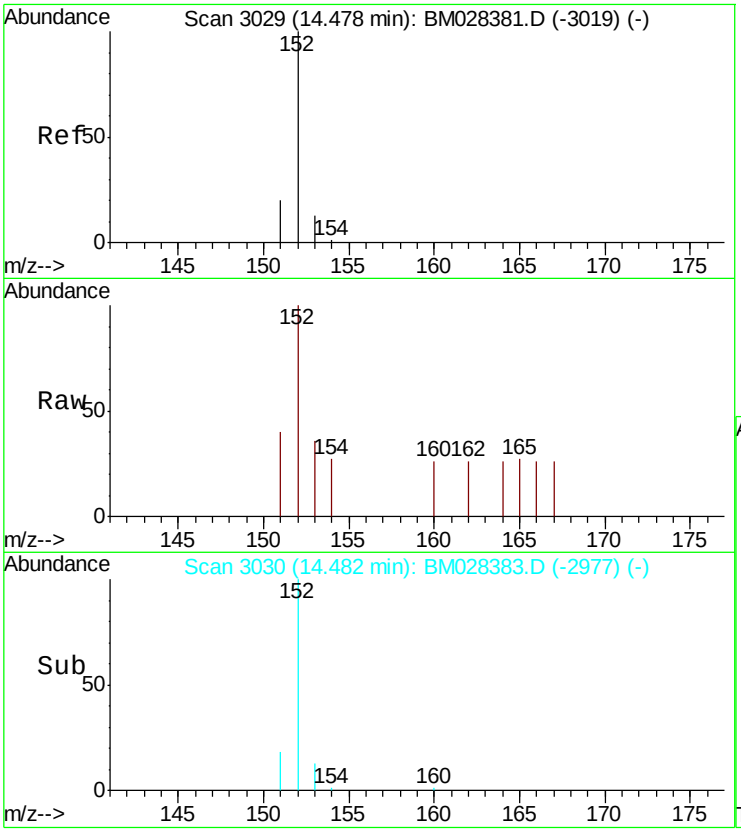


#8
1-Methylnaphthalene
Concen: 0.063 ng/ul
RT: 12.81 min Scan# 2639
Delta R.T. -0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Tgt Ion:142 Resp: 173

Ion	Ratio	Lower	Upper
142	100		
141	89.0	74.0	111.0



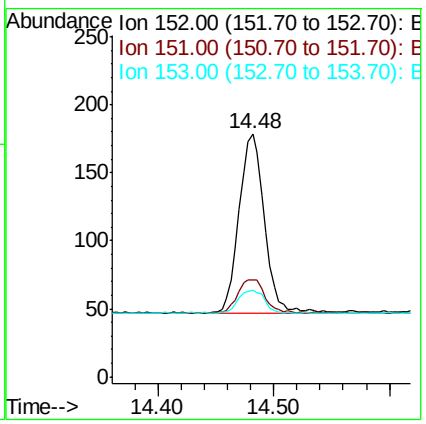


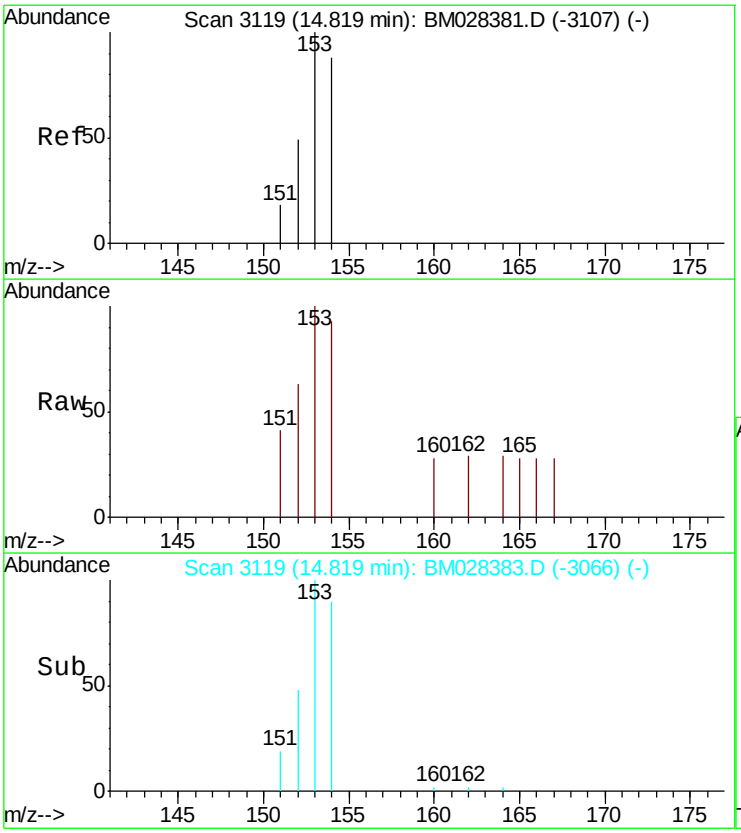
#10
Acenaphthylene
Concen: 0.058 ng/ul
RT: 14.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-02

Tgt Ion:152 Resp: 200

Ion	Ratio	Lower	Upper
152	100		
151	39.7	18.4	27.6#
153	35.8	13.8	20.6#

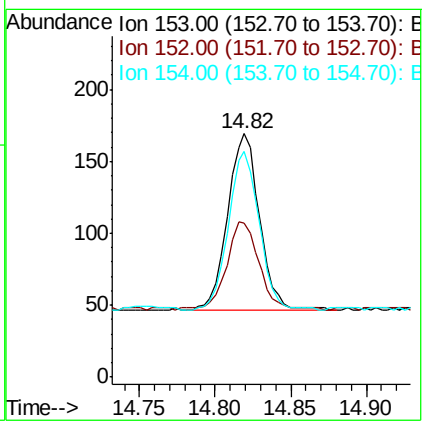


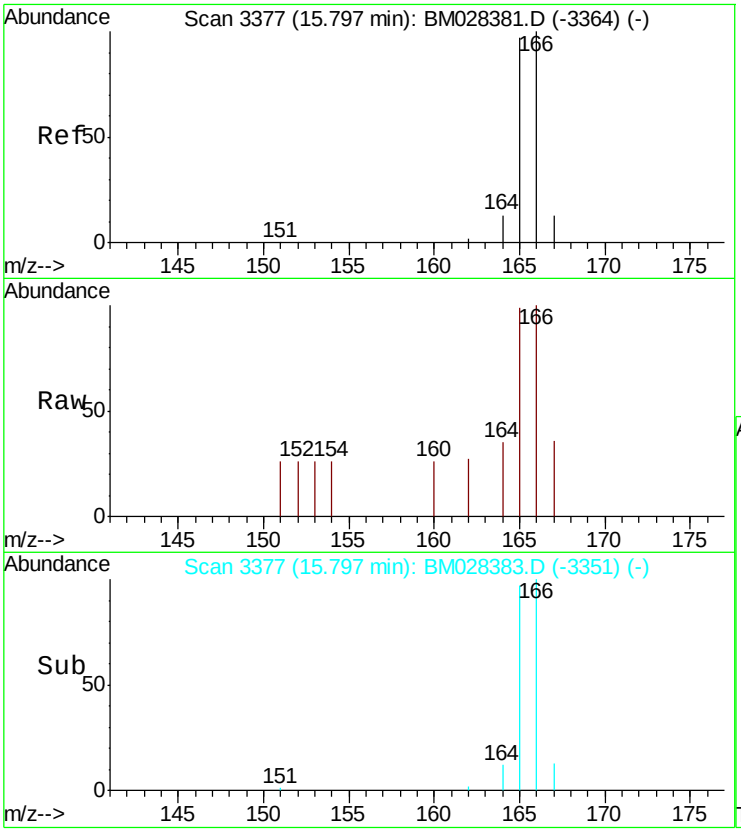


#11
Acenaphthene
Concen: 0.060 ng/ul
RT: 14.82 min Scan# 3119
Delta R.T. -0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Tgt Ion:153 Resp: 177

Ion	Ratio	Lower	Upper
153	100		
152	63.3	40.9	61.3#
154	92.9	71.7	107.5



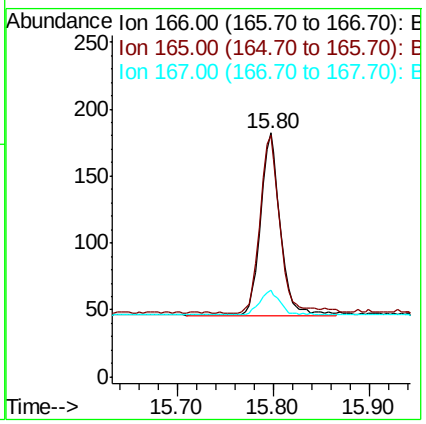


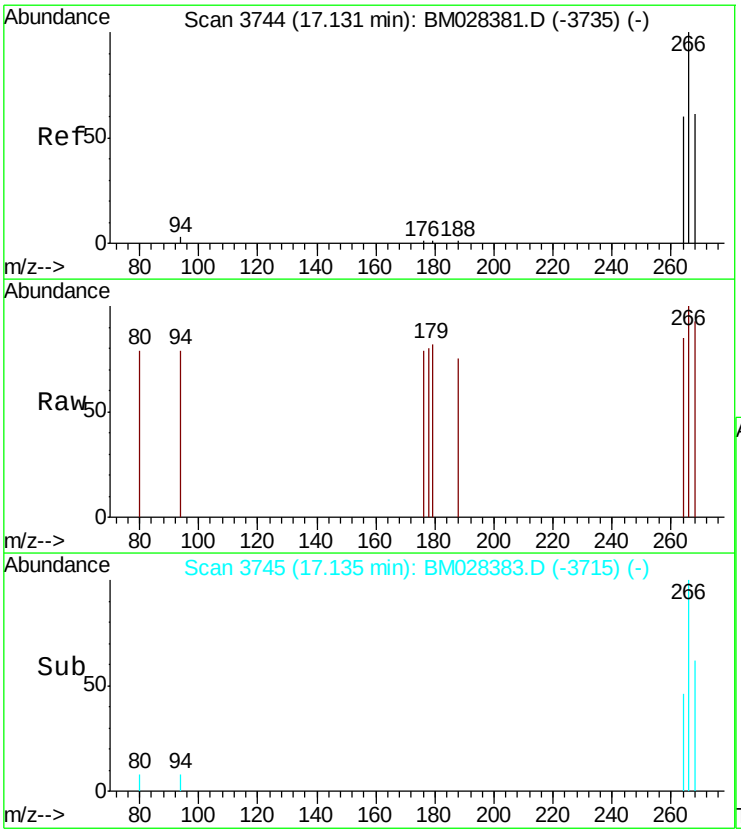
#12
Fluorene
Concen: 0.061 ng/ul
RT: 15.80 min Scan# 3377
Delta R.T. -0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-02

Tgt Ion:166 Resp: 197

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.6	117.8
167	35.7	14.2	21.2#

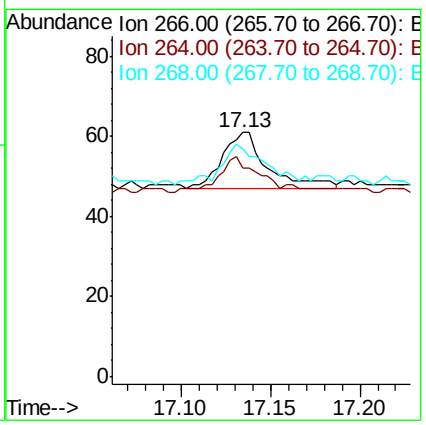


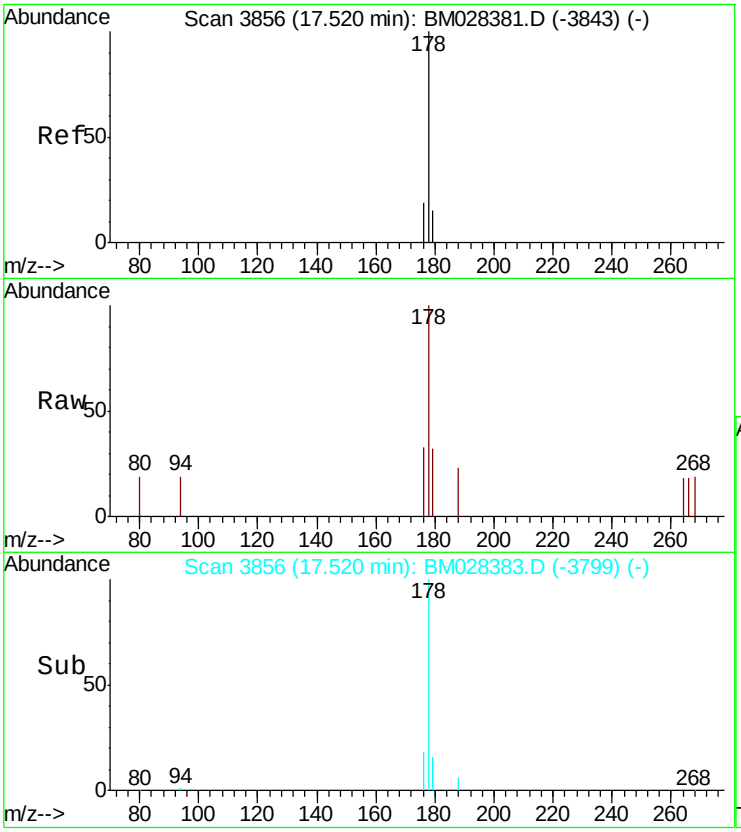


#14
Pentachlorophenol
Concen: 0.071 ng/ul
RT: 17.13 min Scan# 3745
Delta R.T. 0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Tgt Ion:266 Resp: 25

Ion	Ratio	Lower	Upper
266	100		
264	64.0	52.6	78.8
268	68.0	52.0	78.0



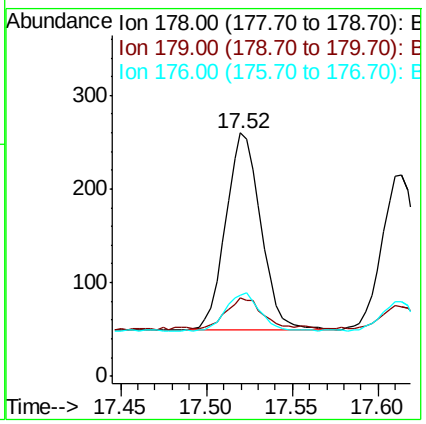


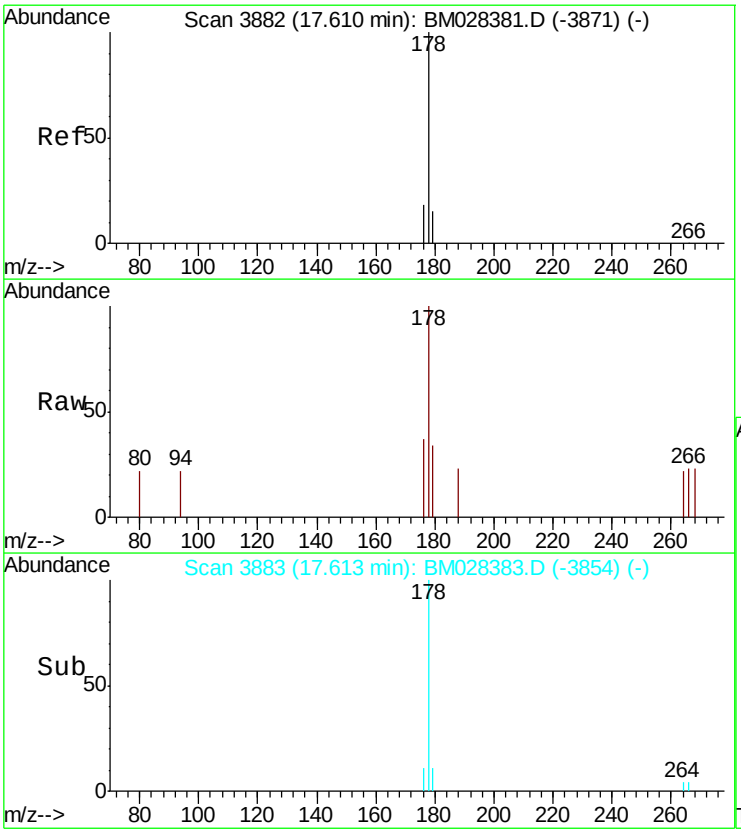
#15
Phenanthrene
Concen: 0.061 ng/ul
RT: 17.52 min Scan# 3856
Delta R.T. -0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-02

Tgt Ion:178 Resp: 300

Ion	Ratio	Lower	Upper
178	100		
179	32.3	14.6	21.8#
176	33.5	17.0	25.6#

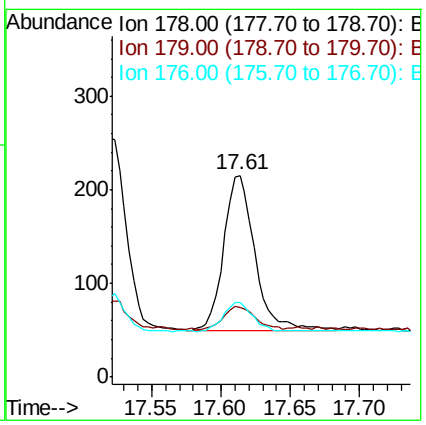


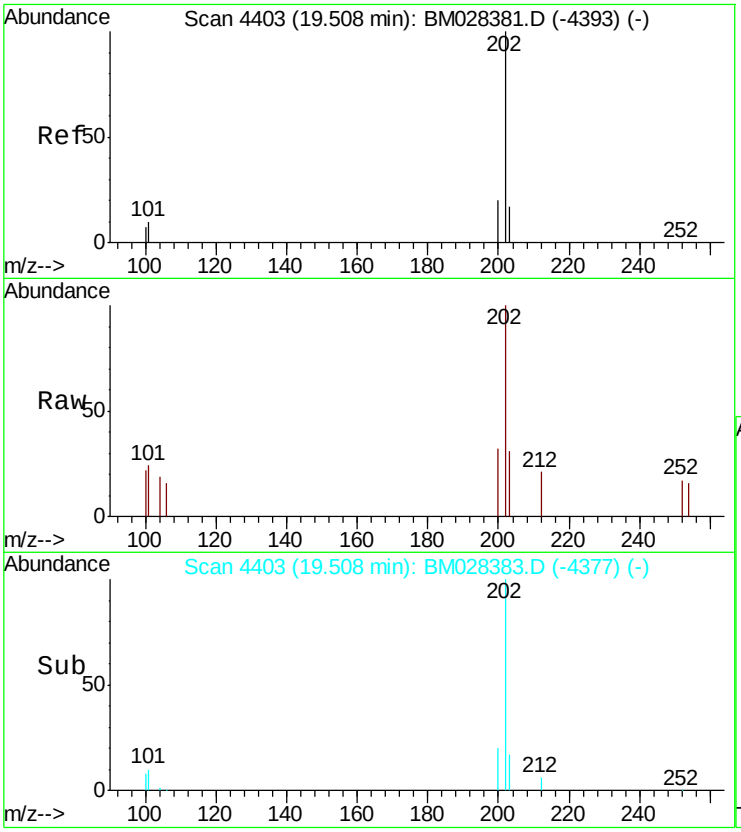


#16
Anthracene
Concen: 0.061 ng/ul
RT: 17.61 min Scan# 3883
Delta R.T. -0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Tgt Ion:178 Resp: 263

Ion	Ratio	Lower	Upper
178	100		
179	34.4	15.1	22.7#
176	37.2	17.0	25.4#



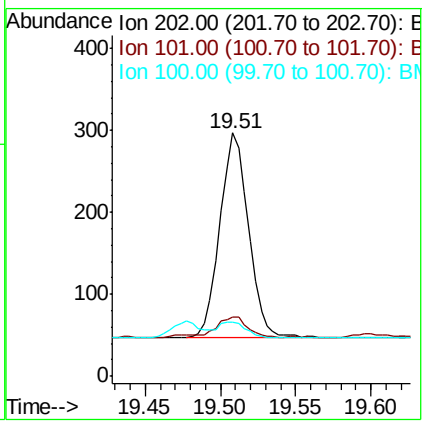


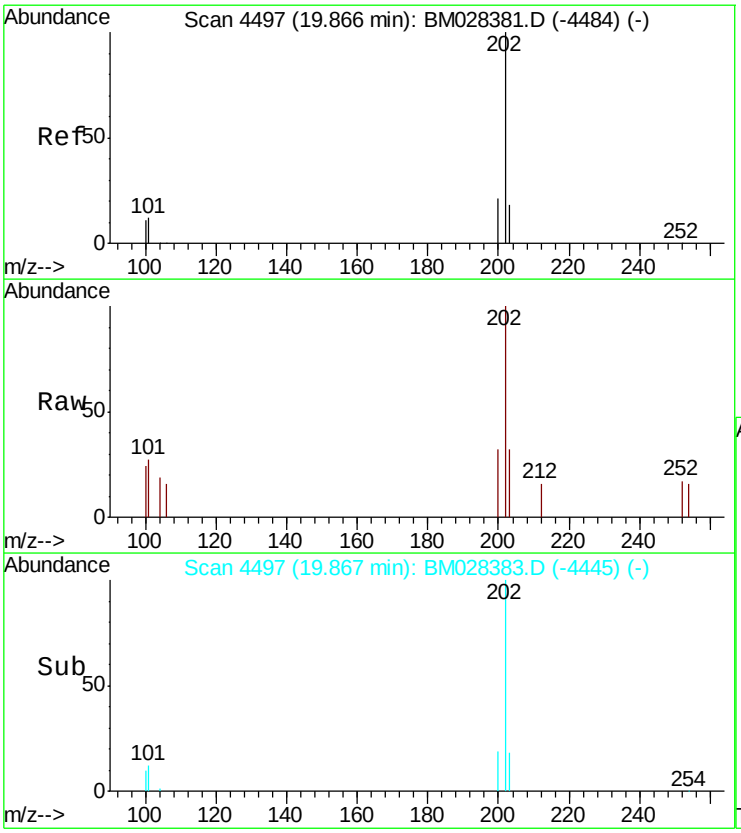
#19
Fluoranthene
Concen: 0.067 ng/ul
RT: 19.51 min Scan# 4403
Delta R.T. -0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-02

Tgt Ion:202 Resp: 332

Ion	Ratio	Lower	Upper
202	100		
101	24.2	10.2	15.4#
100	22.2	9.0	13.4#

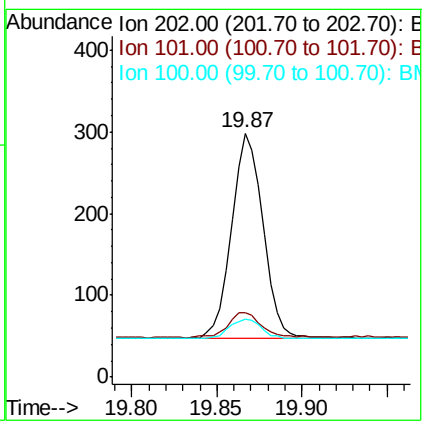


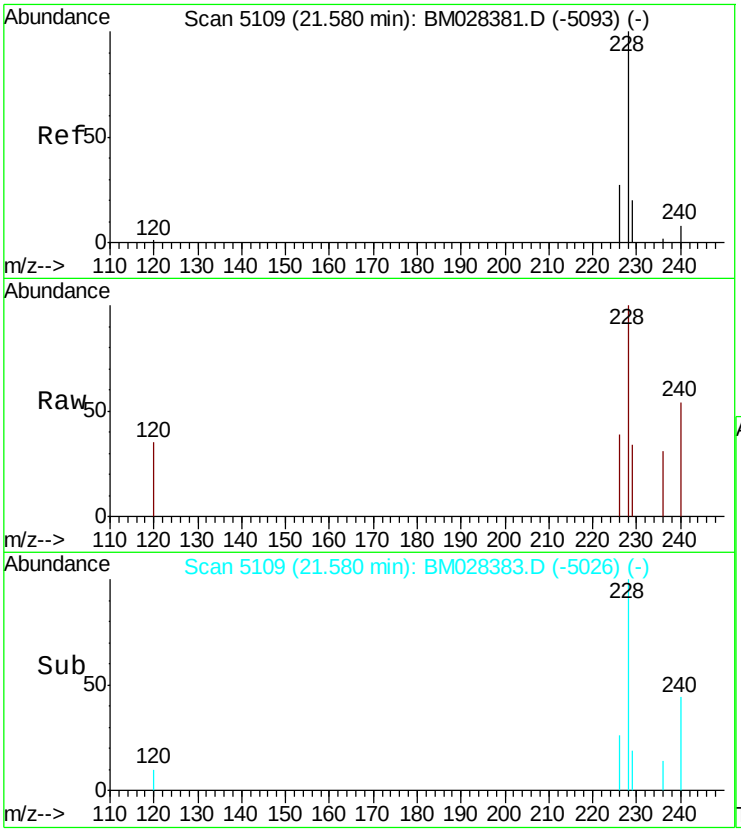


#20
Pyrene
Concen: 0.067 ng/ul
RT: 19.87 min Scan# 4497
Delta R.T. -0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Tgt Ion:202 Resp: 328

Ion	Ratio	Lower	Upper
202	100		
101	26.5	11.8	17.8#
100	23.8	10.1	15.1#



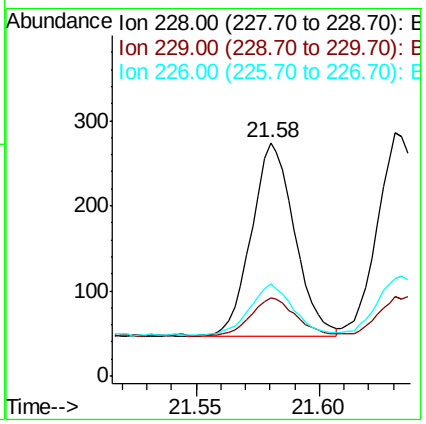


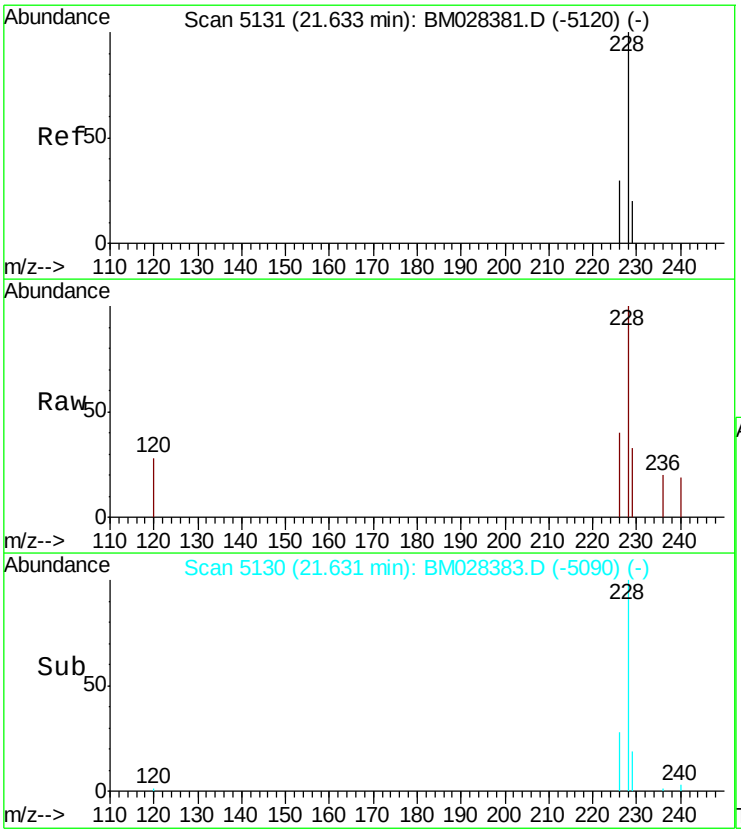
#21
Benzo(a)anthracene
Concen: 0.071 ng/ul
RT: 21.58 min Scan# 5109
Delta R.T. -0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-02

Tgt Ion:228 Resp: 275

Ion	Ratio	Lower	Upper
228	100		
229	33.6	18.3	27.5#
226	39.4	23.0	34.4#

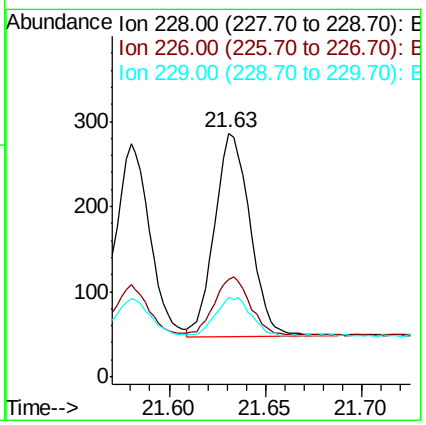


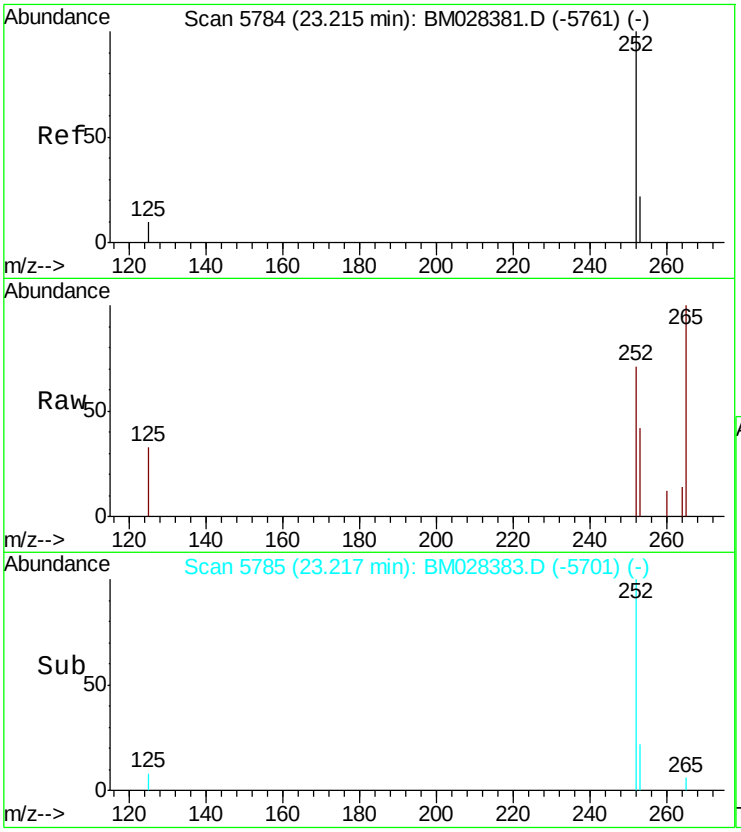


#22
Chrysene
Concen: 0.072 ng/ul
RT: 21.63 min Scan# 5130
Delta R.T. -0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Tgt Ion:228 Resp: 306

Ion	Ratio	Lower	Upper
228	100		
226	40.2	25.1	37.7#
229	32.9	17.4	26.0#



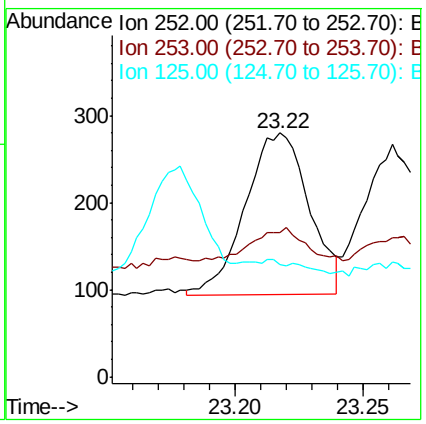


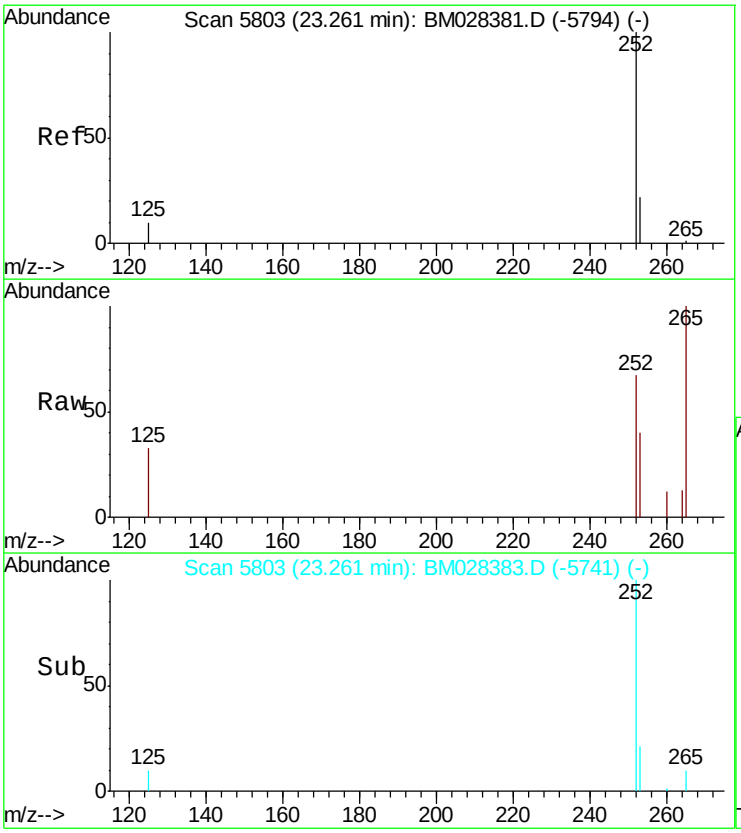
#24
Benzo(b)fluoranthene
Concen: 0.079 ng/ul
RT: 23.22 min Scan# 5785
Delta R.T. 0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-02

Tgt Ion:252 Resp: 320

Ion	Ratio	Lower	Upper
252	100		
253	58.9	0.0	61.4
125	46.1	0.0	40.4#

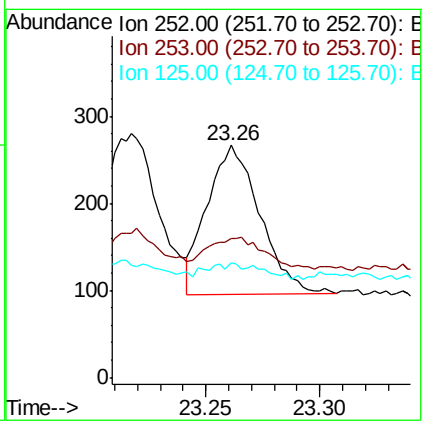


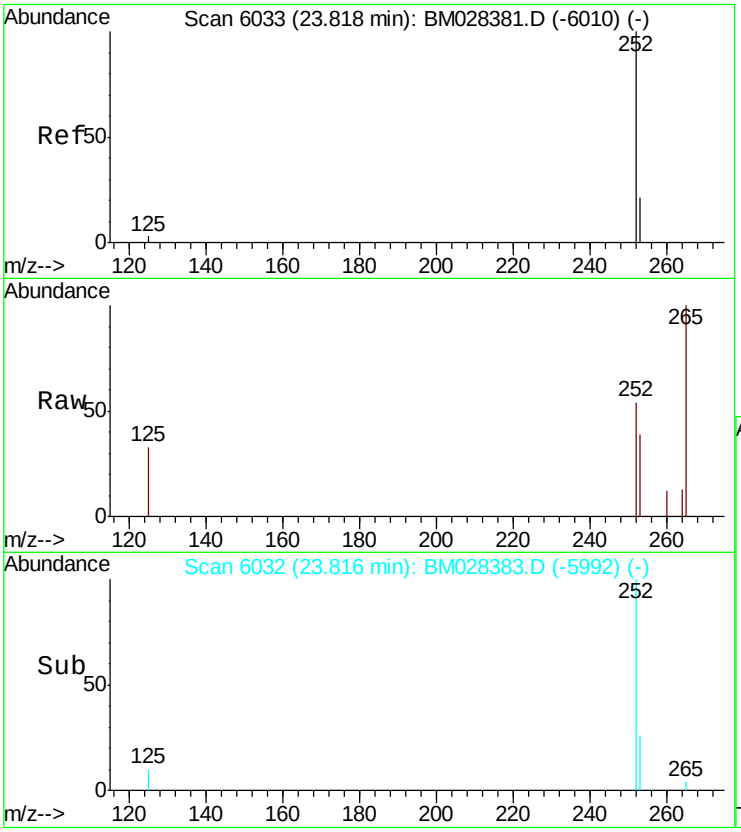


#25
Benzo(k)fluoranthene
Concen: 0.071 ng/ul
RT: 23.26 min Scan# 5803
Delta R.T. -0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Tgt Ion:252 Resp: 275

Ion	Ratio	Lower	Upper
252	100		
253	59.6	24.7	37.1#
125	49.4	17.3	25.9#



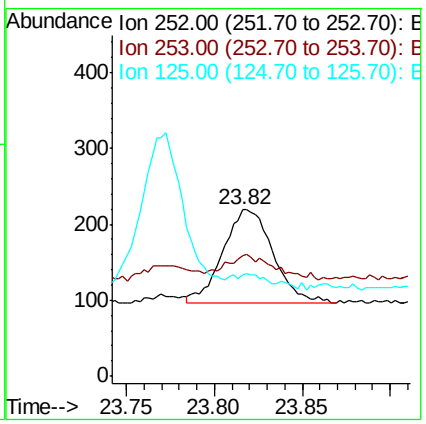


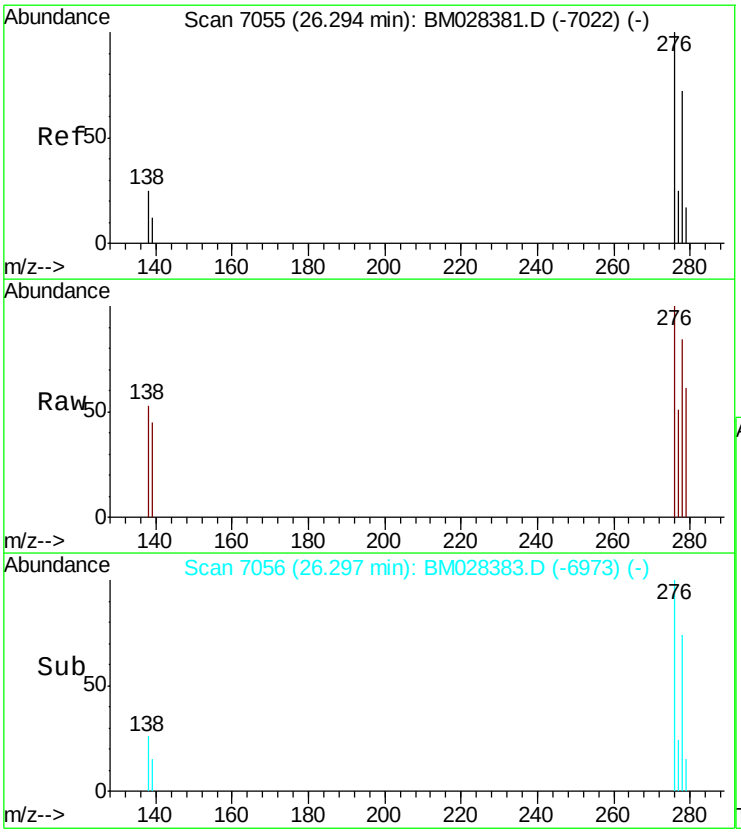
#26
Benzo(a)pyrene
Concen: 0.074 ng/ul
RT: 23.82 min Scan# 6032
Delta R.T. -0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-02

Tgt Ion:252 Resp: 246

Ion	Ratio	Lower	Upper
252	100		
253	72.1	28.0	42.0#
125	60.7	20.6	30.8#

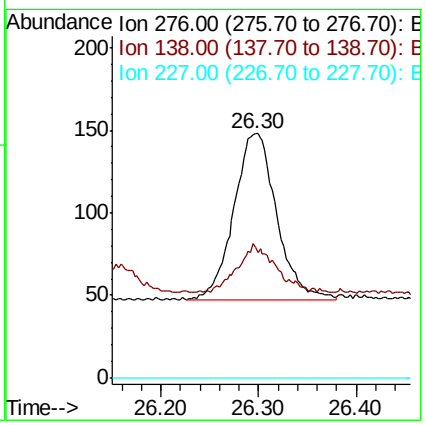


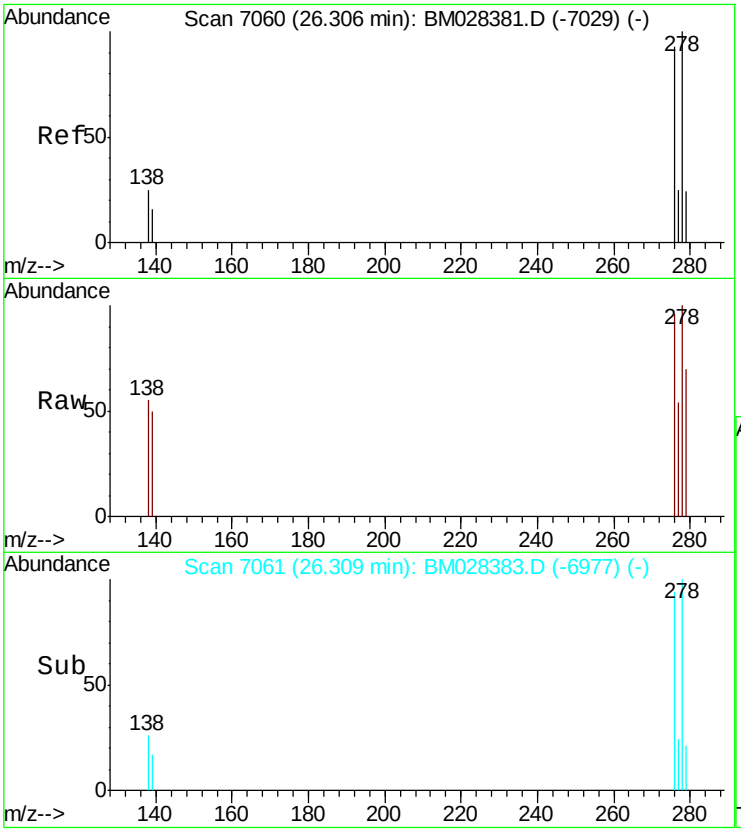


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.071 ng/ul
RT: 26.30 min Scan# 7056
Delta R.T. -0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Tgt Ion:276 Resp: 311

Ion	Ratio	Lower	Upper
276	100		
138	24.8	21.9	32.9
227	0.0	0.0	0.0



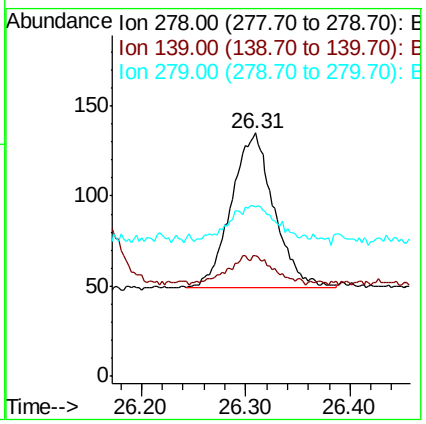


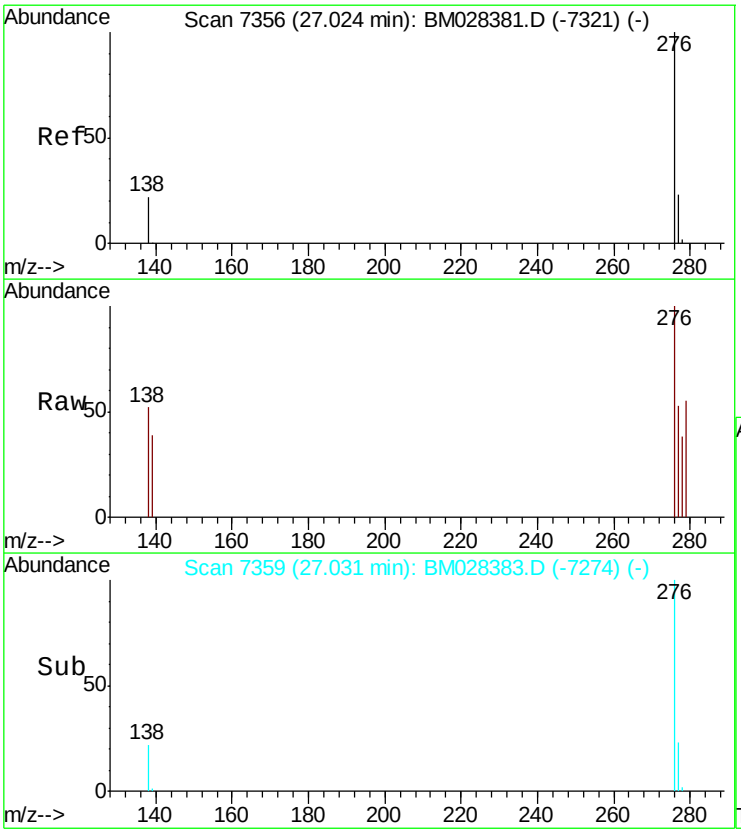
#28
Dibenzo(a,h)anthracene
Concen: 0.068 ng/ul
RT: 26.31 min Scan# 7061
Delta R.T. 0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-02

Tgt Ion:278 Resp: 248

Ion	Ratio	Lower	Upper
278	100		
139	49.6	20.3	30.5#
279	69.6	27.5	41.3#





#29
Benzo(g,h,i)perylene
Concen: 0.069 ng/ul
RT: 27.03 min Scan# 7359
Delta R.T. 0.00 min
Lab File: BM028383.D
Acq: 13 Jan 2021 10:50

Tgt Ion:276 Resp: 270

Ion	Ratio	Lower	Upper
276	100		
138	52.2	24.7	37.1#
277	52.9	23.8	35.6#