

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-BM011221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 12 10:28:38 2021
 Response via : Initial Calibration

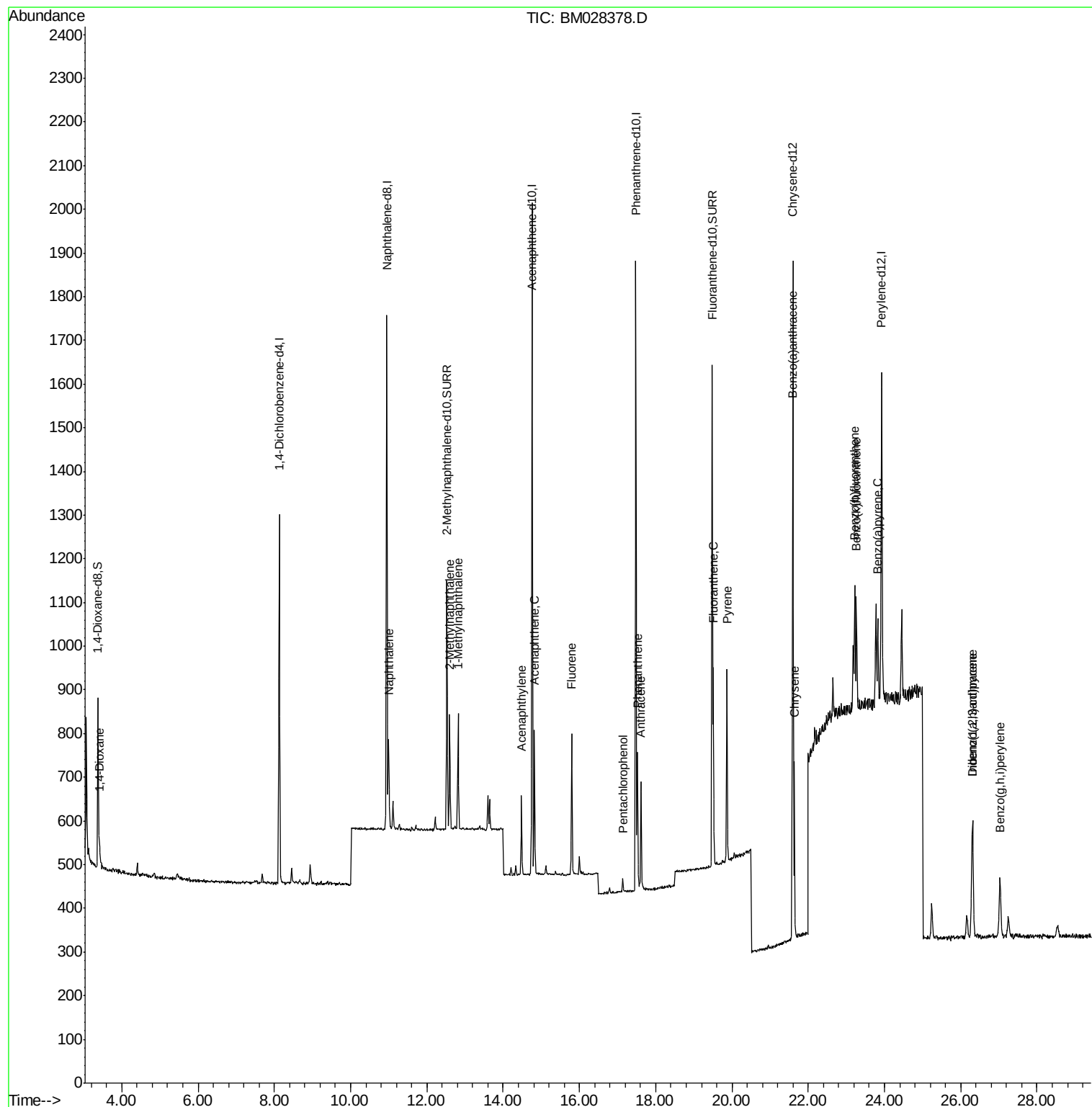
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	416	0.40	ng/ul	0.00
4) Naphthalene-d8	10.95	136	1568	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.76	164	833	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.48	188	1701	0.40	ng/ul	0.00
17) Chrysene-d12	21.60	240	1289	0.40	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				Ovalue		
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

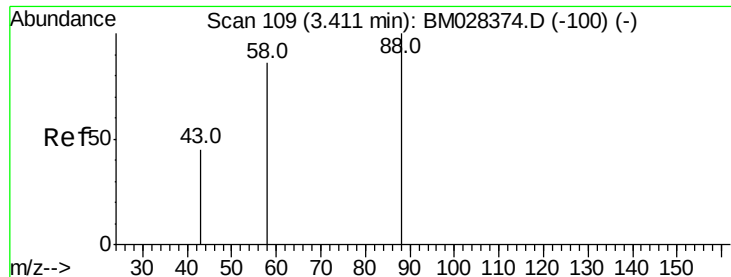
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 12 15:40:07 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM01121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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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

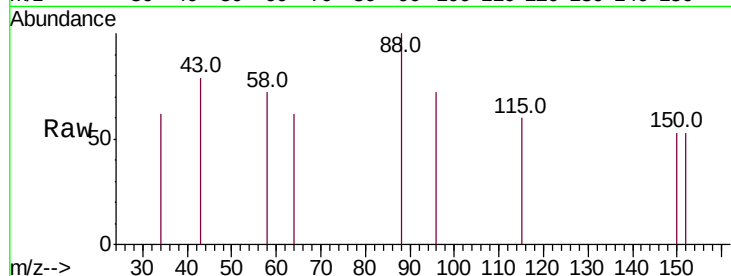
Tot Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 78.9 47.8 71.6#

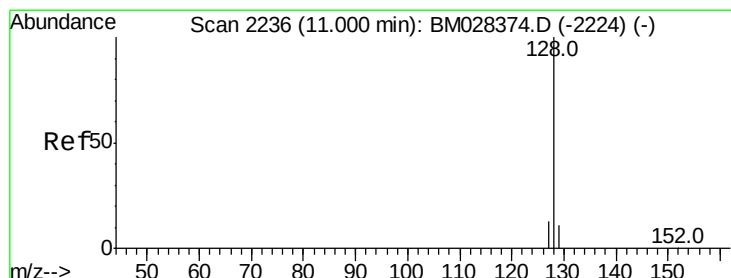
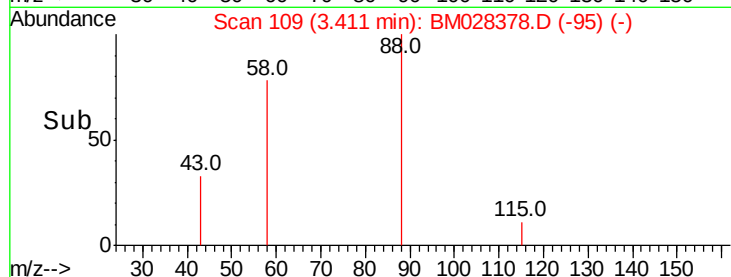
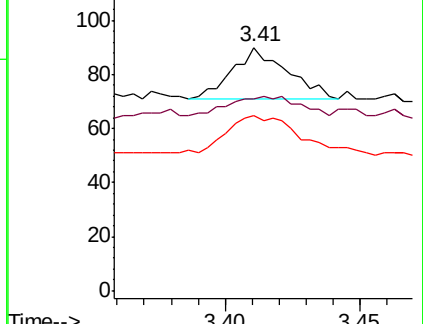
58 72.2 67.1 100.7



Abundance Ion 88.00 (87.70 to 88.70): BM028374.D (-100) (-)

Ion 43.00 (42.70 to 43.70): BM028374.D (-100) (-)

Ion 58.00 (57.70 to 58.70): BM028374.D (-100) (-)



#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

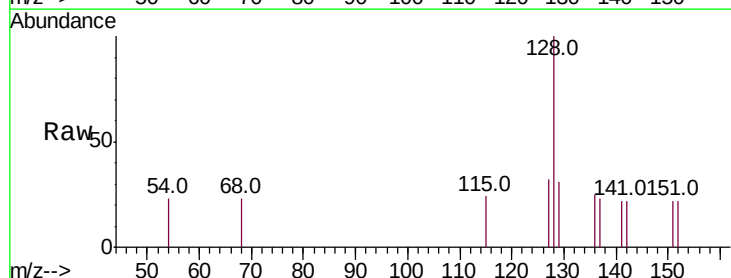
Tgt Ion: 128 Resp: 282

Ion Ratio Lower Upper

128 100

129 31.3 11.1 16.7#

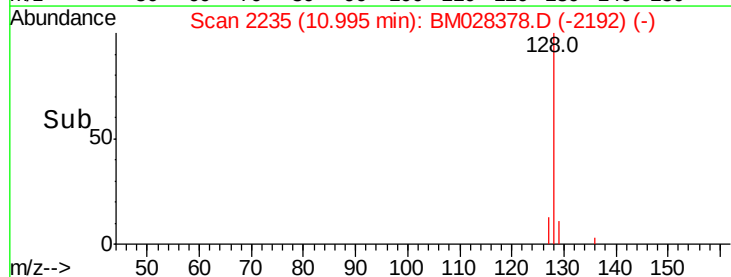
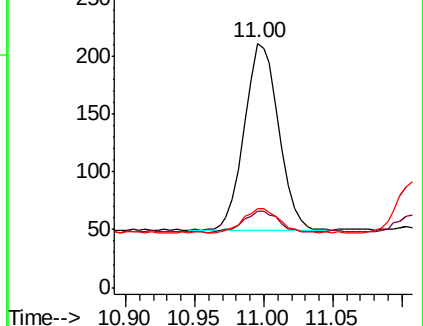
127 32.2 13.0 19.4#

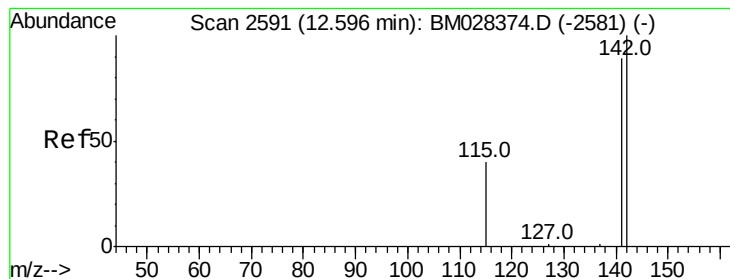


Abundance Ion 128.00 (127.70 to 128.70): BM028374.D (-2224) (-)

Ion 129.00 (128.70 to 129.70): BM028374.D (-2224) (-)

Ion 127.00 (126.70 to 127.70): BM028374.D (-2224) (-)





#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 :

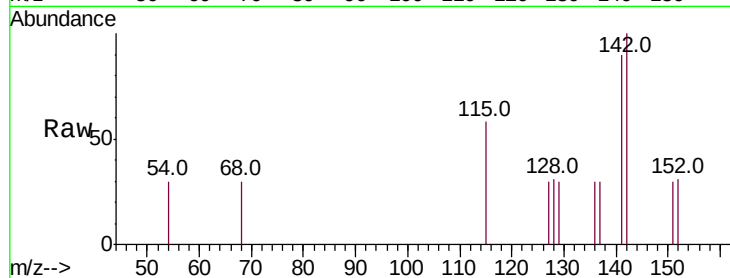
MDL-SOIL-QT1-2021-01

Tot Ion:142 Resp: 179

Ion Ratio Lower Upper

142 100

141 86.0 71.0 106.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.60

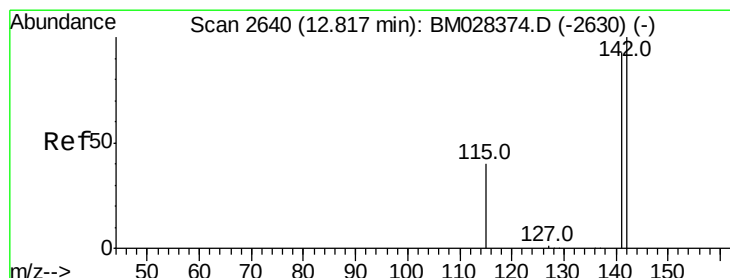
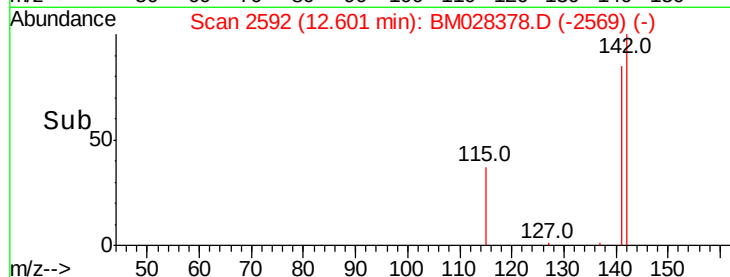
150

100

50

0

Time--> 12.50 12.55 12.60 12.65



#8

1-Methylnaphthalene

Concen: 0.064 ng/ul

RT: 12.82 min Scan# 2640

Delta R.T. 0.00 min

Lab File: BM028378.D

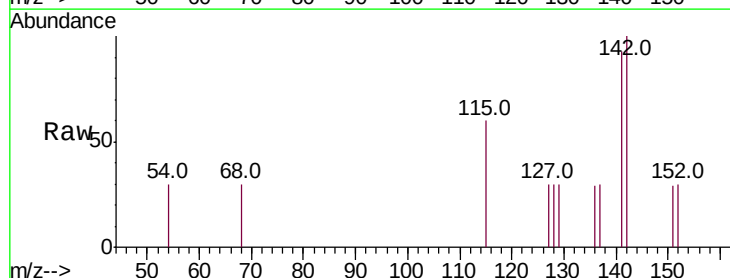
Acq: 12 Jan 2021 15:06

Tgt Ion:142 Resp: 175

Ion Ratio Lower Upper

142 100

141 89.7 74.0 111.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.82

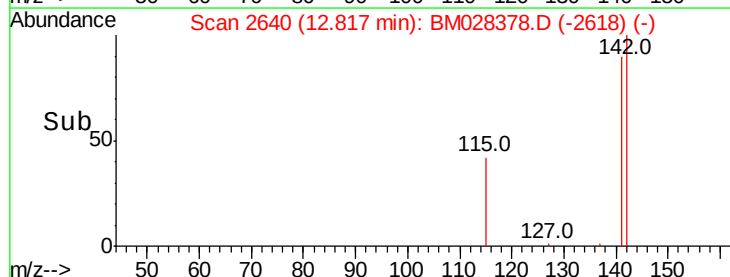
150

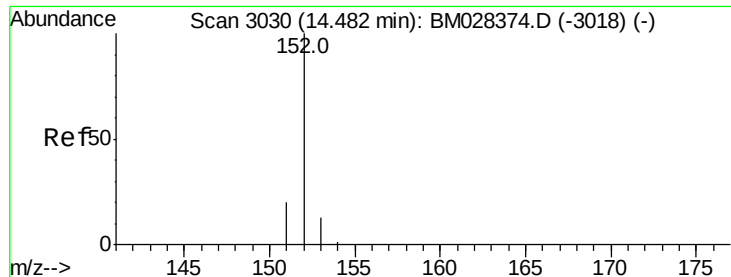
100

50

0

Time--> 12.80 12.82 12.84 12.86 12.88 12.90





#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

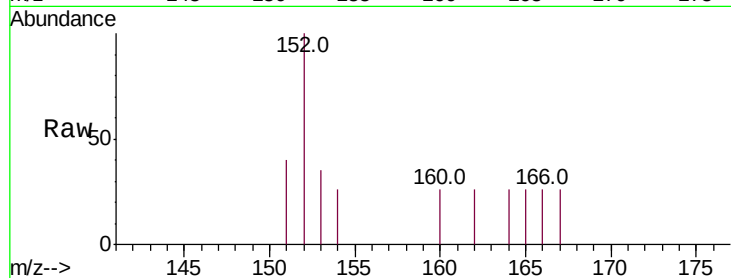
Tot Ion:152 Resp: 210

Ion Ratio Lower Upper

152 100

151 40.2 18.4 27.6#

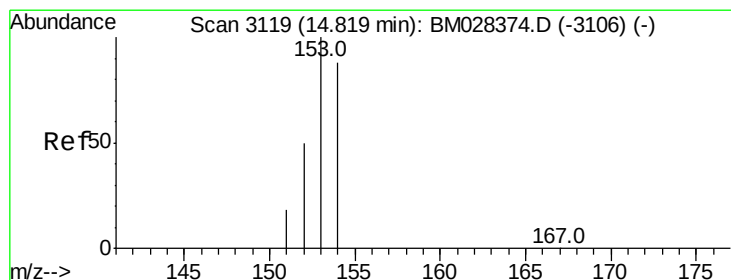
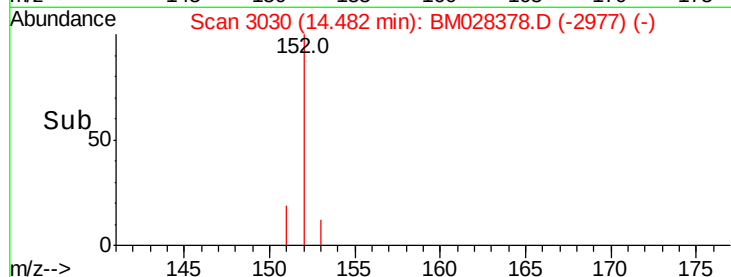
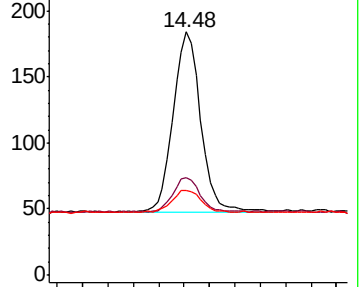
153 34.8 13.8 20.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#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

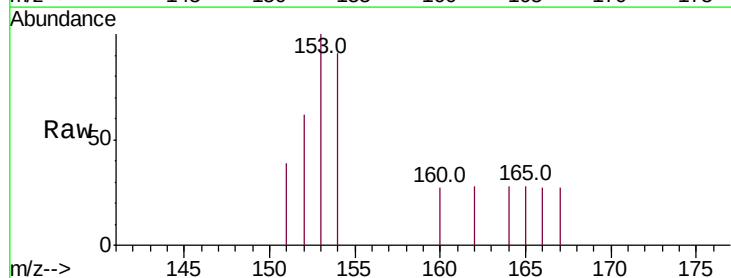
Tgt Ion:153 Resp: 185

Ion Ratio Lower Upper

153 100

152 61.9 40.9 61.3#

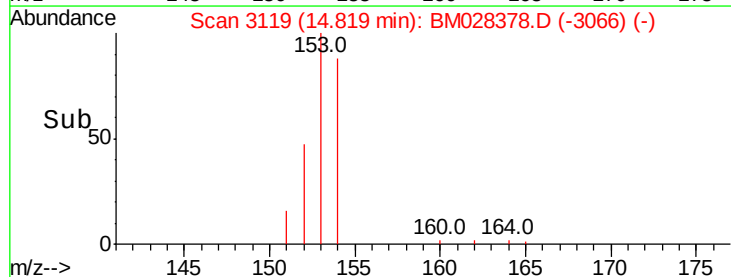
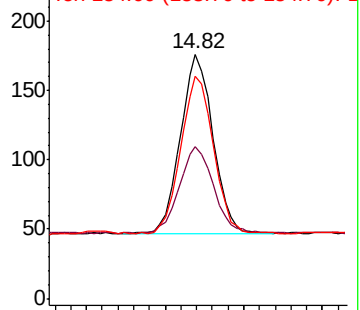
154 90.9 71.7 107.5

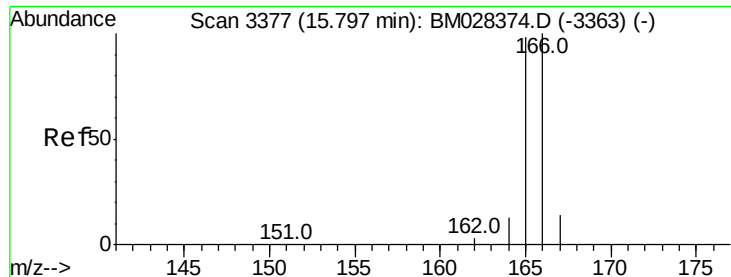


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#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

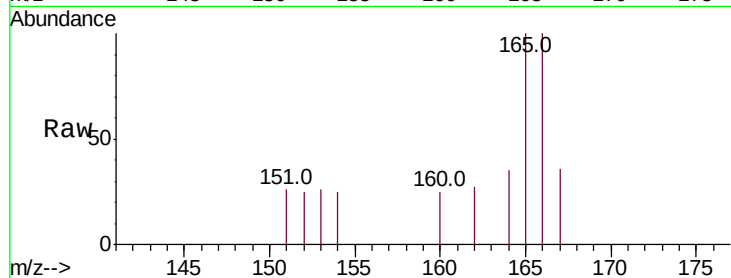
Tot Ion:166 Resp: 202

Ion Ratio Lower Upper

166 100

165 100.0 78.6 117.8

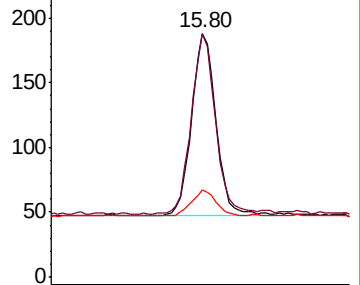
167 35.6 14.2 21.2#



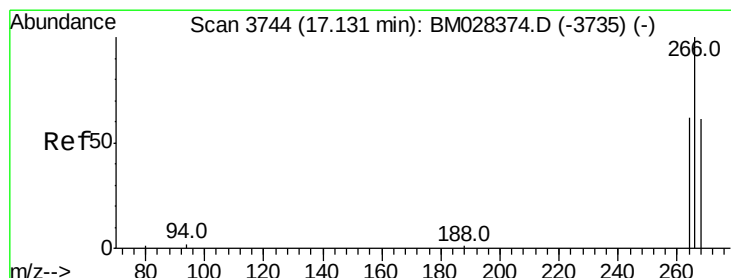
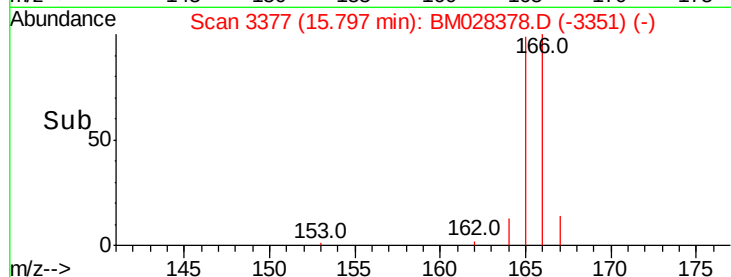
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#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

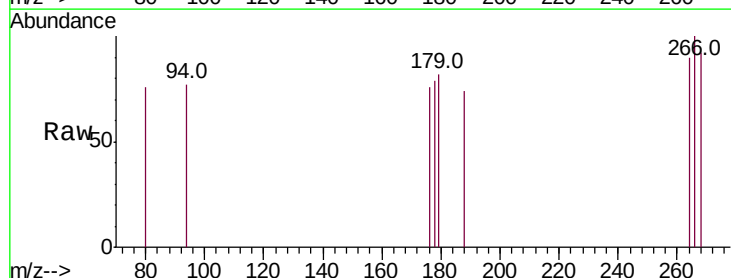
Tgt Ion:266 Resp: 27

Ion Ratio Lower Upper

266 100

264 63.0 52.6 78.8

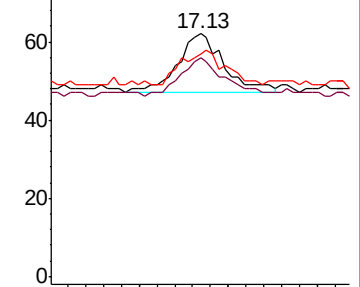
268 55.6 52.0 78.0



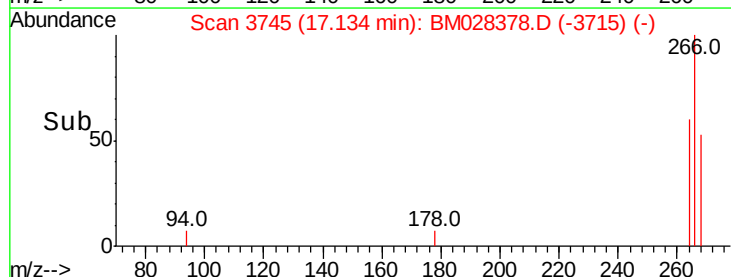
Abundance Ion 266.00 (265.70 to 266.70): E

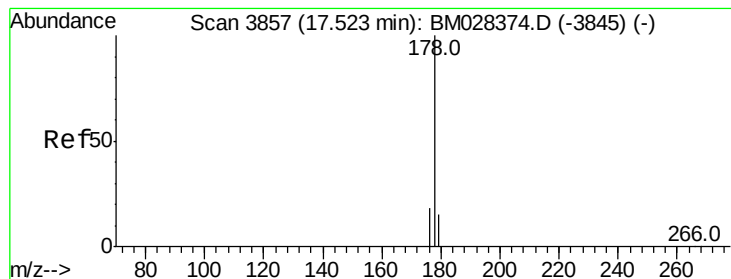
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#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 :

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ClientSampleId :

MDL-SOIL-QT1-2021-01

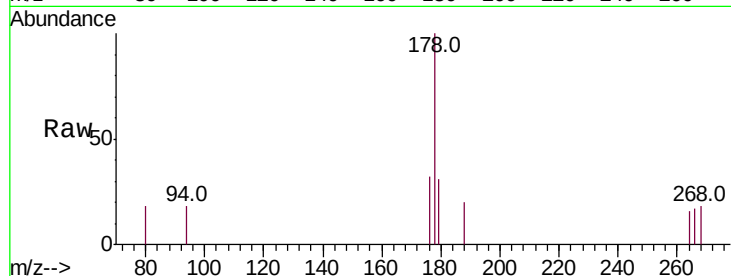
Tot Ion:178 Resp: 328

Ion Ratio Lower Upper

178 100

179 30.8 14.6 21.8#

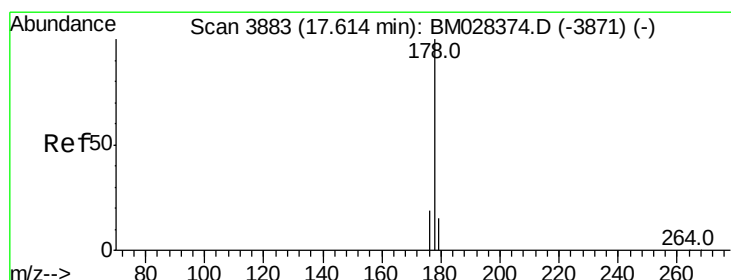
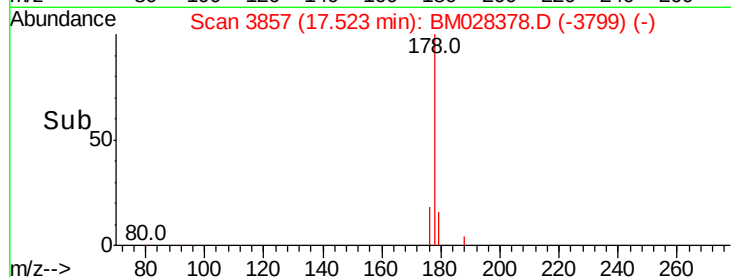
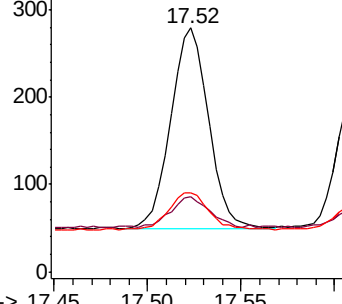
176 32.3 17.0 25.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#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

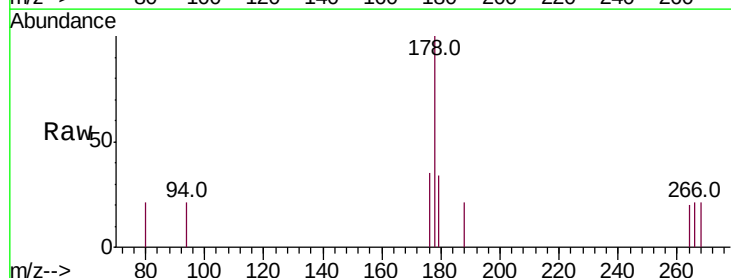
Tgt Ion:178 Resp: 287

Ion Ratio Lower Upper

178 100

179 33.8 15.1 22.7#

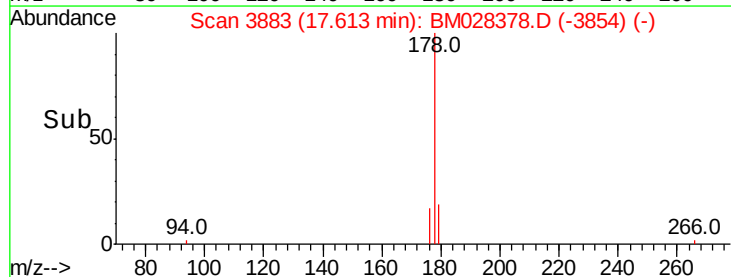
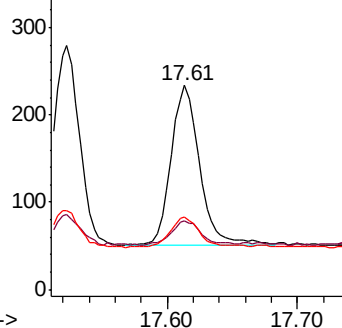
176 35.5 17.0 25.4#

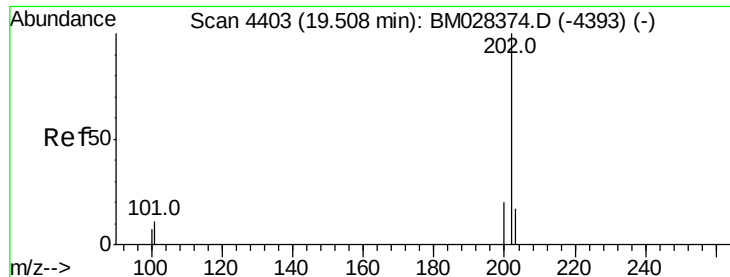


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#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 :

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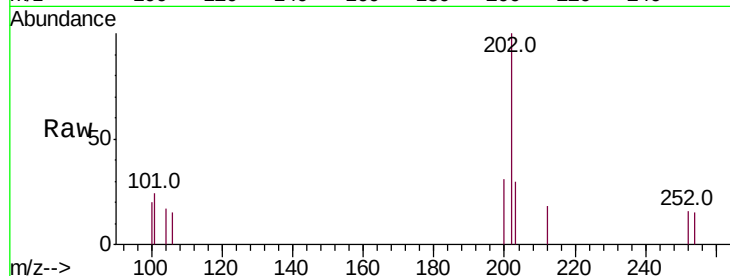
Tot Ion:202 Resp: 374

Ion Ratio Lower Upper

202 100

101 23.9 10.2 15.4#

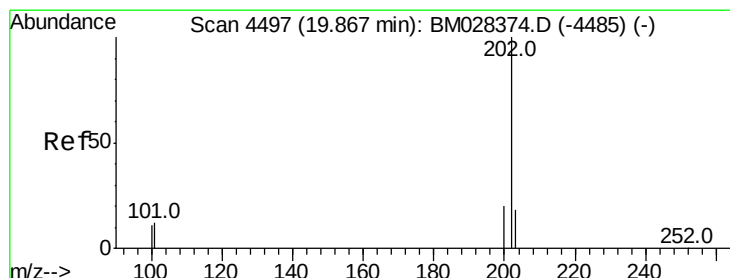
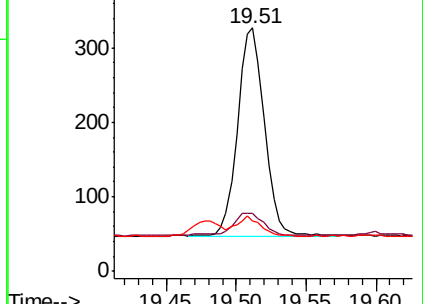
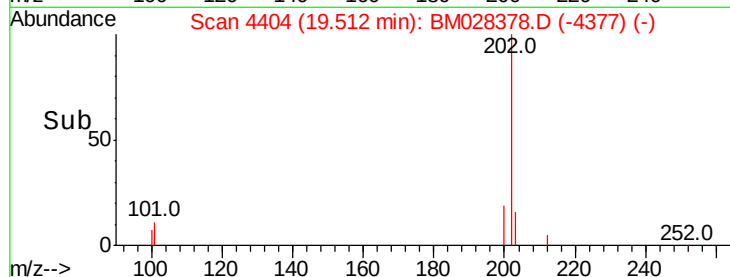
100 20.5 9.0 13.4#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#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

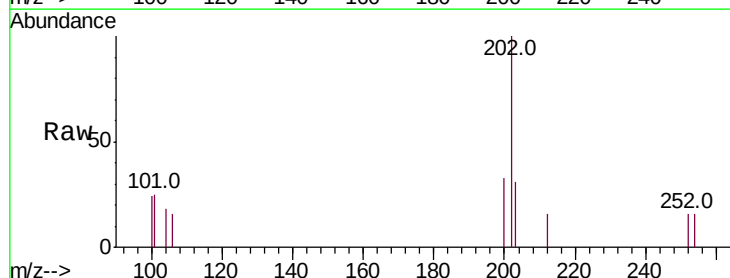
Tgt Ion:202 Resp: 371

Ion Ratio Lower Upper

202 100

101 25.4 11.8 17.8#

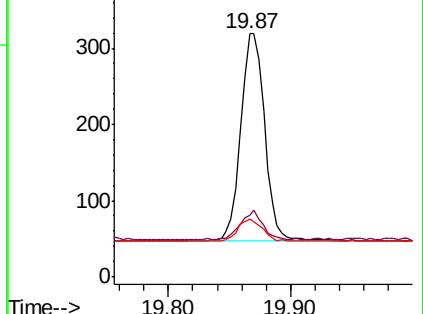
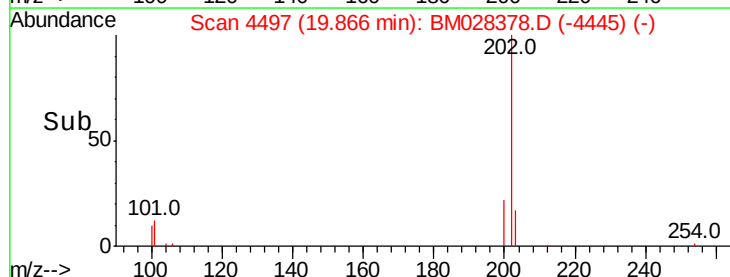
100 23.8 10.1 15.1#

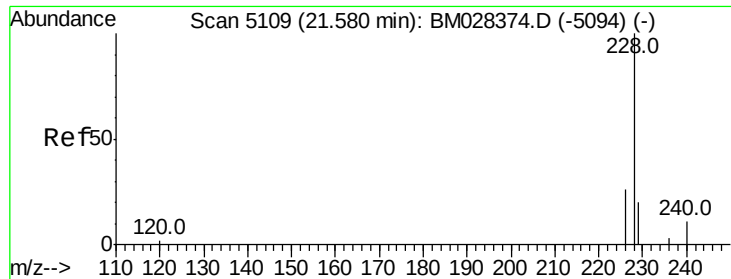


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#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 :

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ClientSampleId :

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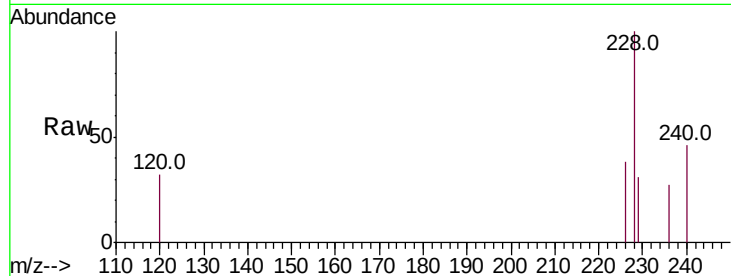
Tot Ion:228 Resp: 319

Ion Ratio Lower Upper

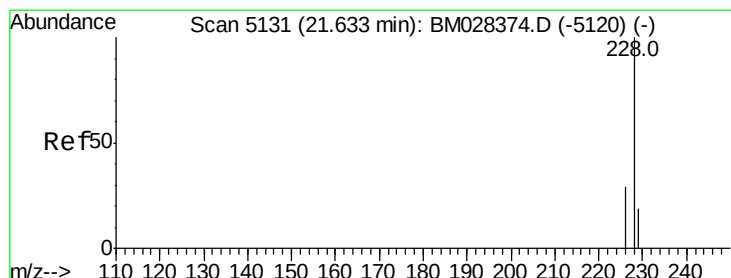
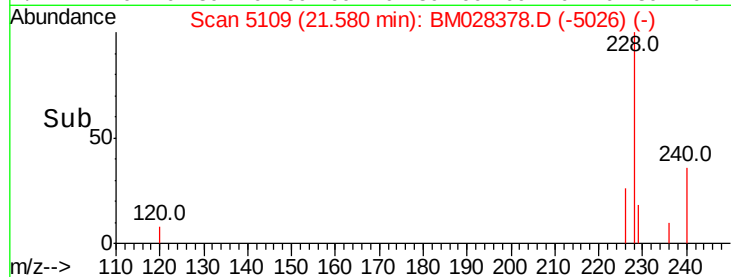
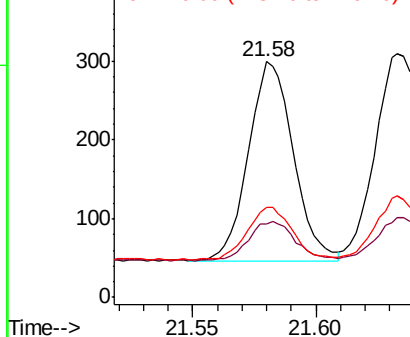
228 100

229 31.1 18.3 27.5#

226 38.1 23.0 34.4#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#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

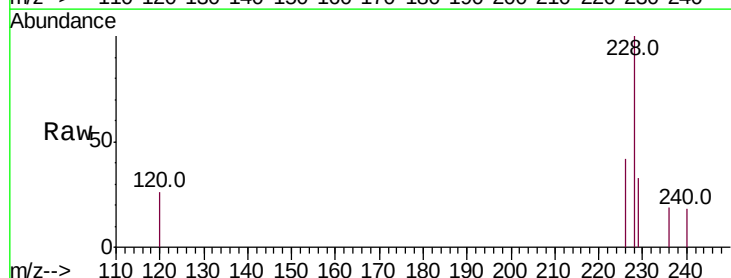
Tgt Ion:228 Resp: 350

Ion Ratio Lower Upper

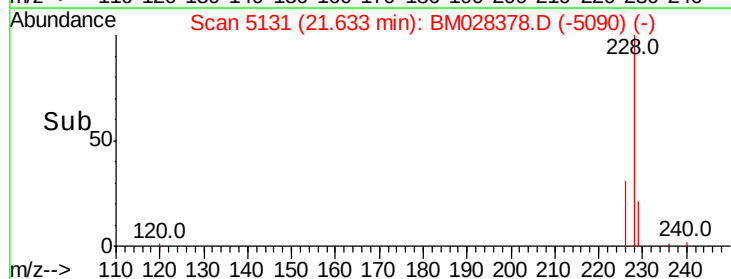
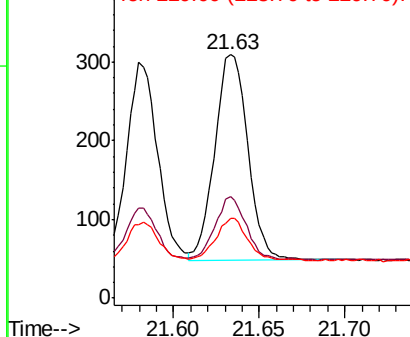
228 100

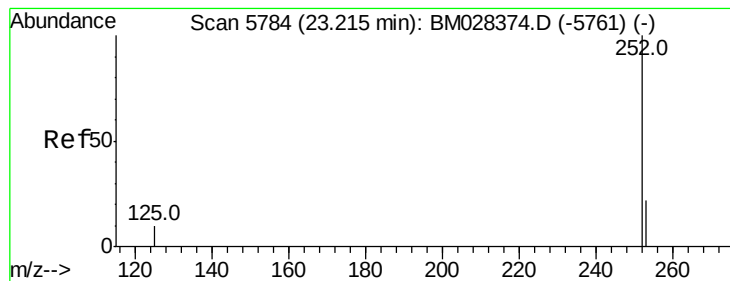
226 41.7 25.1 37.7#

229 33.0 17.4 26.0#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#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

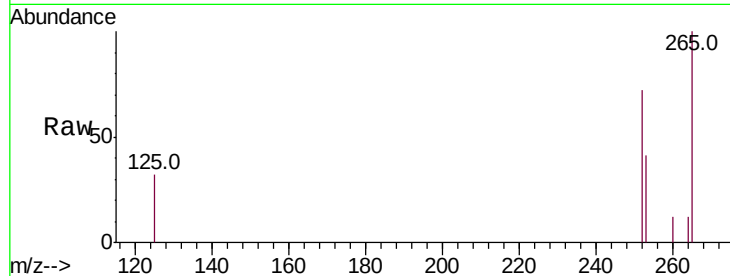
Tot Ion:252 Resp: 357

Ion Ratio Lower Upper

252 100

253 57.4 0.0 61.4

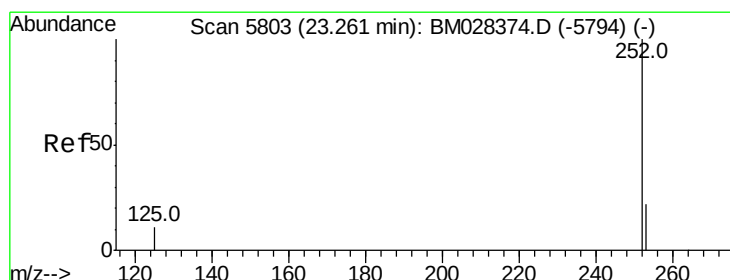
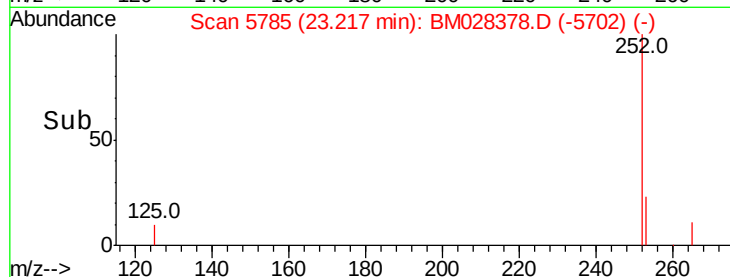
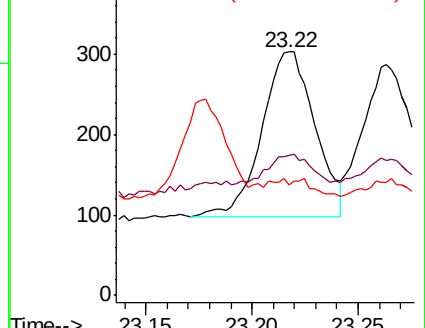
125 45.2 0.0 40.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#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

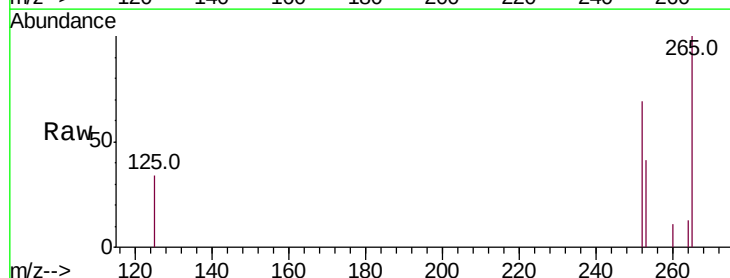
Tgt Ion:252 Resp: 320

Ion Ratio Lower Upper

252 100

253 58.5 24.7 37.1#

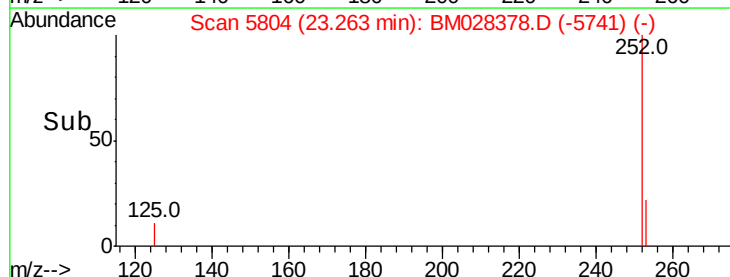
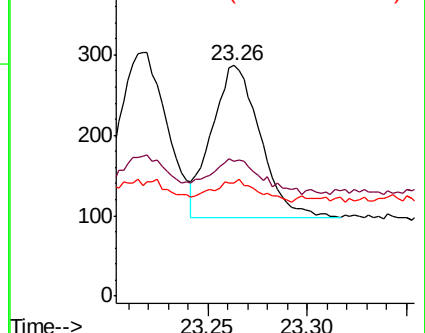
125 49.1 17.3 25.9#

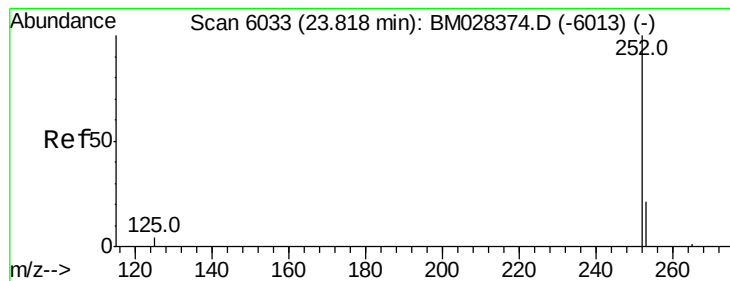


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#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

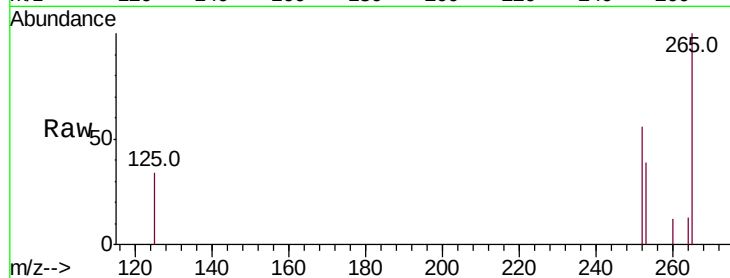
Tot Ion:252 Resp: 271

Ion Ratio Lower Upper

252 100

253 70.1 28.0 42.0#

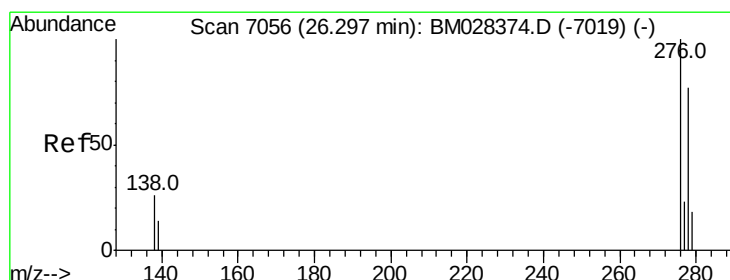
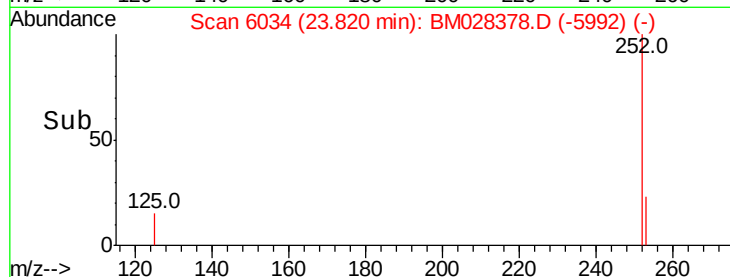
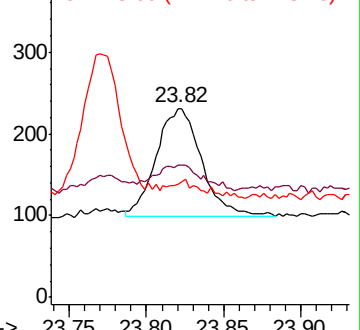
125 60.2 20.6 30.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#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

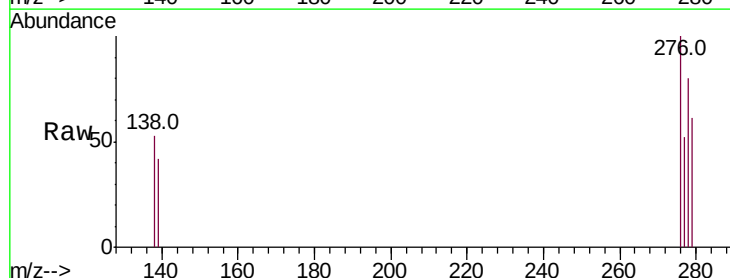
Tgt Ion:276 Resp: 316

Ion Ratio Lower Upper

276 100

138 25.9 21.9 32.9

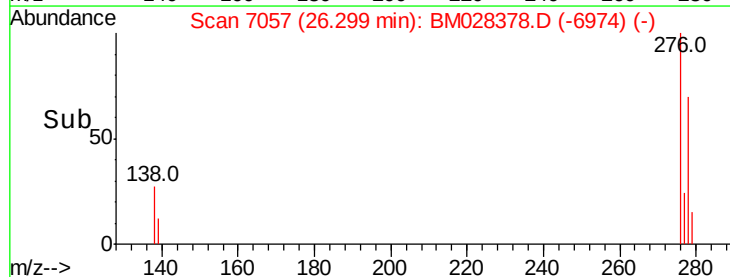
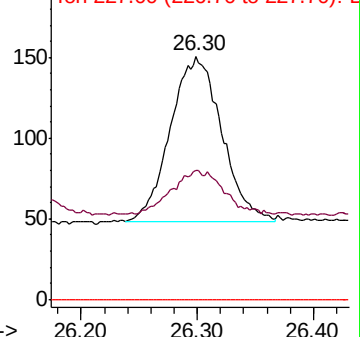
227 0.0 0.0 0.0

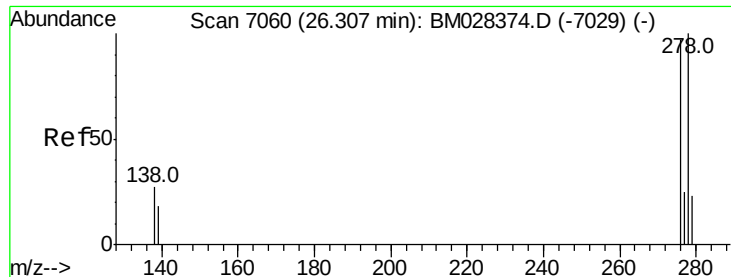


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

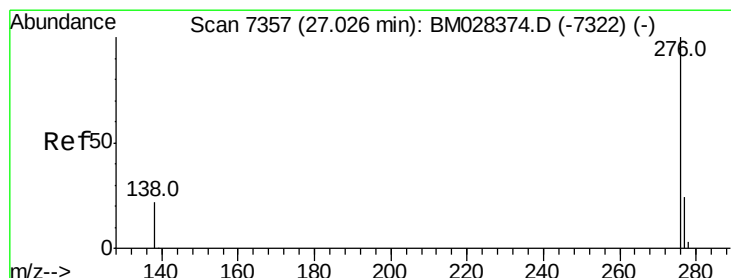
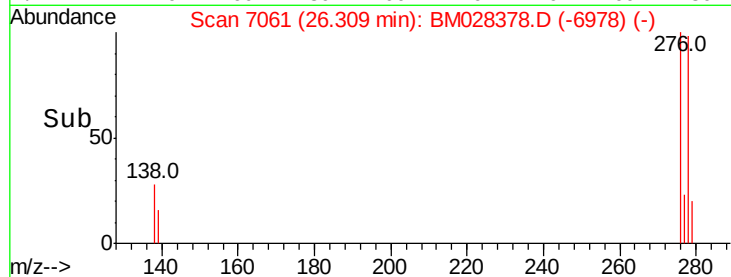
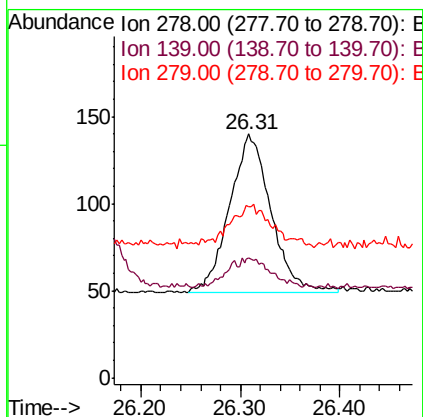
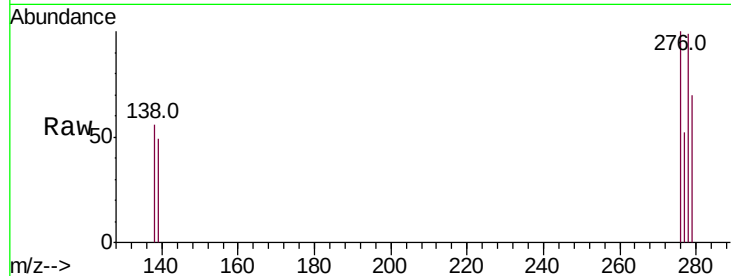




#28
Dibenzo(a,h)anthracene
Concen: 0.067 ng/ul
RT: 26.31 min Scan# 7061
Delta R.T. 0.00 min
Lab File: BM028378.D
Acq: 12 Jan 2021 15:06

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

Tot 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#

