

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011221\
 Data File : BM028376.D
 Acq On : 12 Jan 2021 11:18
 Operator : CG/JU
 Sample : L5214-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jan 12 11:52:22 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

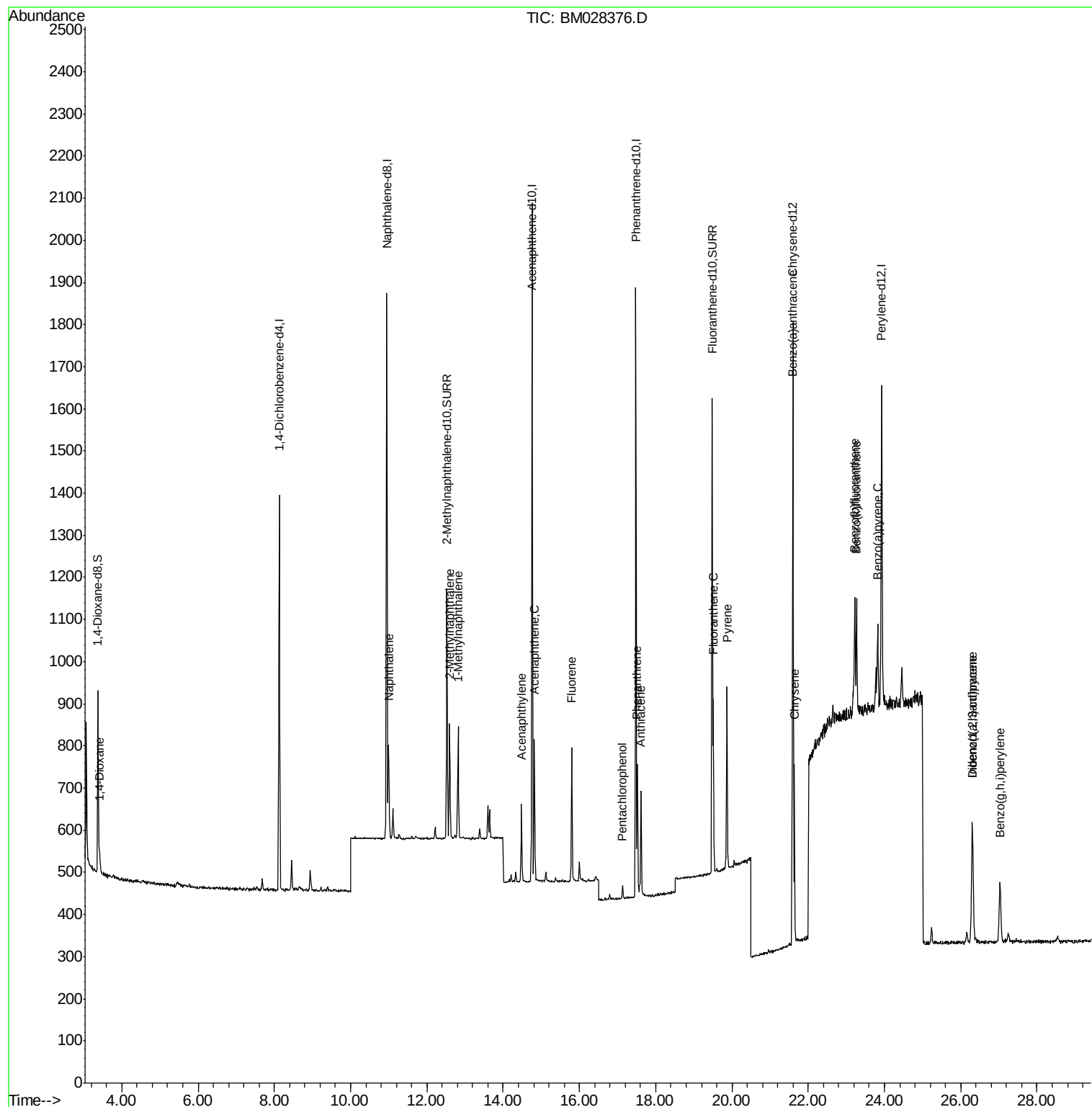
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	467	0.40	ng/ul	0.00
4) Naphthalene-d8	10.95	136	1734	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.76	164	879	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.48	188	1676	0.40	ng/ul	0.00
17) Chrysene-d12	21.60	240	1244	0.40	ng/ul	0.00
23) Perylene-d12	23.92	264	1052	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.37	96	283	0.54	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.52	152	752	0.30	ng/ul	0.00
18) Fluoranthene-d10	19.48	212	1166	0.30	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.41	88	36	0.067	ng/ul#	82
5) Naphthalene	11.00	128	297	0.060	ng/ul#	63
7) 2-Methylnaphthalene	12.60	142	189	0.060	ng/ul	98
8) 1-Methylnaphthalene	12.82	142	178	0.059	ng/ul	100
10) Acenaphthylene	14.48	152	217	0.057	ng/ul#	61
11) Acenaphthene	14.82	153	191	0.059	ng/ul#	92
12) Fluorene	15.80	166	204	0.057	ng/ul#	93
14) Pentachlorophenol	17.13	266	23	0.061	ng/ul	95
15) Phenanthrene	17.52	178	328	0.062	ng/ul#	75
16) Anthracene	17.61	178	273	0.059	ng/ul#	67
19) Fluoranthene	19.51	202	352	0.065	ng/ul#	68
20) Pyrene	19.87	202	351	0.065	ng/ul#	70
21) Benzo(a)anthracene	21.58	228	314	0.074	ng/ul#	82
22) Chrysene	21.63	228	352	0.075	ng/ul#	86
24) Benzo(b)fluoranthene	23.21	252	370	0.082	ng/ul#	48
25) Benzo(k)fluoranthene	23.27	252	340	0.079	ng/ul#	45
26) Benzo(a)pyrene	23.82	252	287	0.077	ng/ul#	42
27) Indeno(1,2,3-cd)pyrene	26.30	276	336	0.069	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.31	278	281	0.070	ng/ul#	45
29) Benzo(a,h,i)perylene	27.03	276	304	0.070	ng/ul#	62

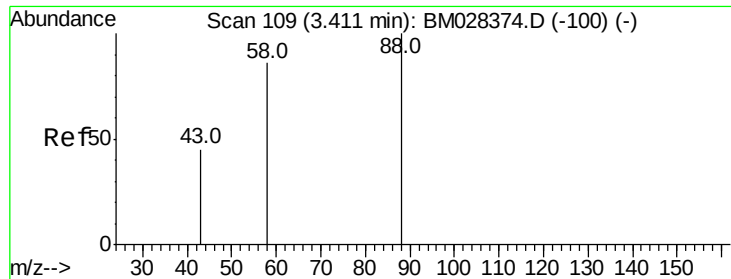
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011221\
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Quant Time: Jan 12 11:52:22 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM01121.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: 0.067 ng/ul

RT: 3.41 min Scan# 110

Delta R.T. 0.00 min

Lab File: BM028376.D

Acq: 12 Jan 2021 11:18

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2021-02

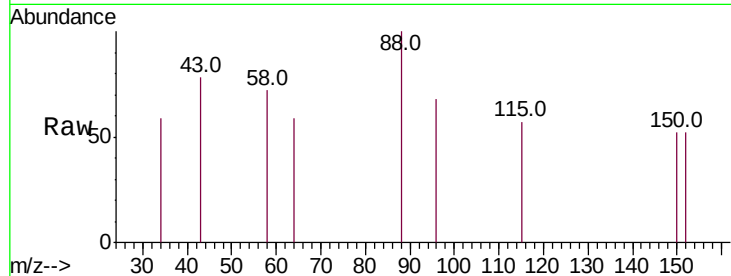
Tot Ion: 88 Resp: 36

Ion Ratio Lower Upper

88 100

43 78.5 47.8 71.6#

58 72.0 67.1 100.7



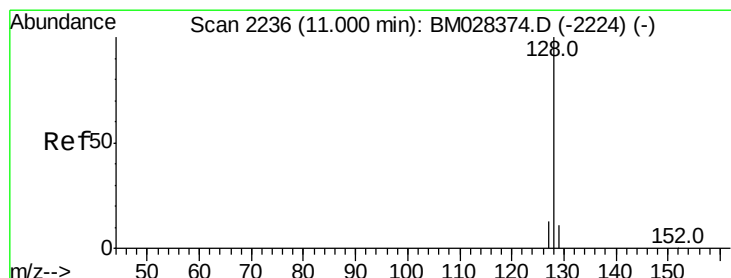
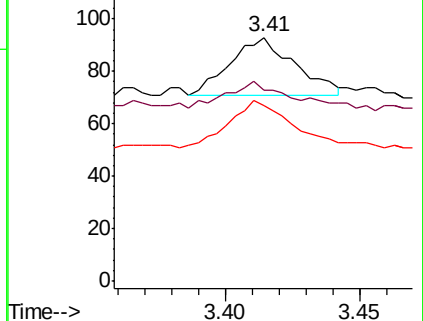
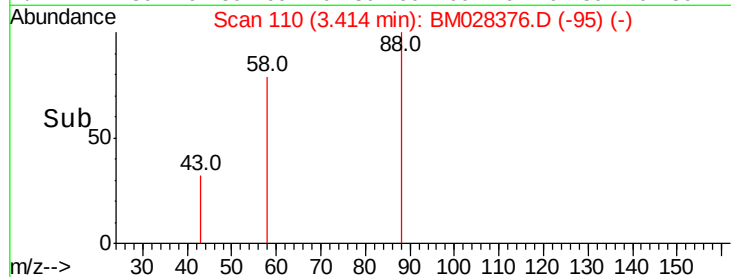
Abundance Ion 88.00 (87.70 to 88.70): BM028374.D (-100) (-)

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

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

3.41

Time-->



#5

Naphthalene

Concen: 0.060 ng/ul

RT: 11.00 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BM028376.D

Acq: 12 Jan 2021 11:18

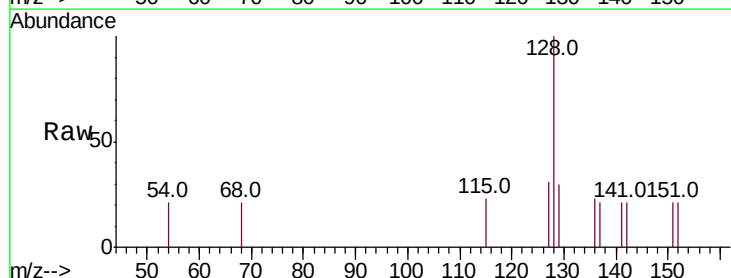
Tgt Ion: 128 Resp: 297

Ion Ratio Lower Upper

128 100

129 30.2 11.1 16.7#

127 30.7 13.0 19.4#



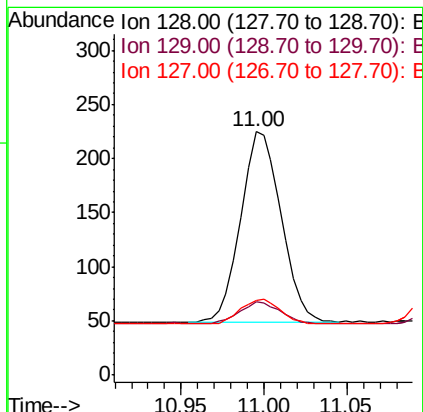
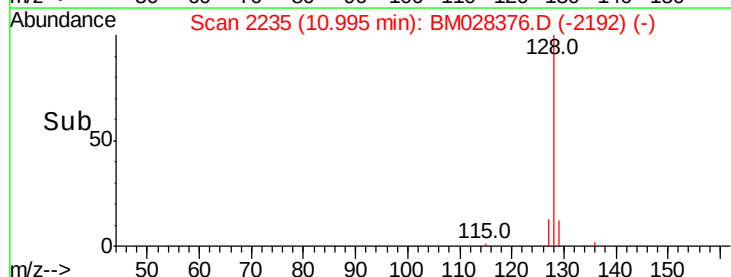
Abundance Ion 128.00 (127.70 to 128.70): BM028374.D (-2224) (-)

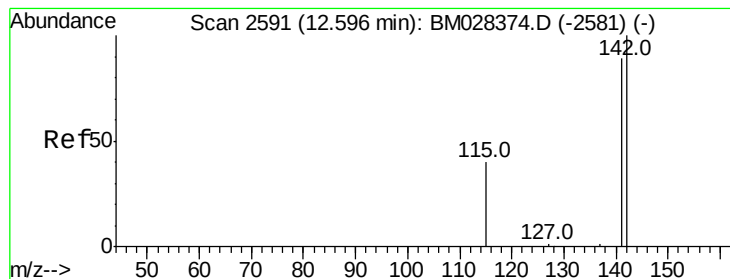
Ion 129.00 (128.70 to 129.70): BM028374.D (-2224) (-)

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

11.00

Time-->





#7

2-Methylnaphthalene

Concen: 0.060 ng/ul

RT: 12.60 min Scan# 2592

Delta R.T. 0.00 min

Lab File: BM028376.D

Acq: 12 Jan 2021 11:18

Instrument :

BNA_M

ClientSampleId :

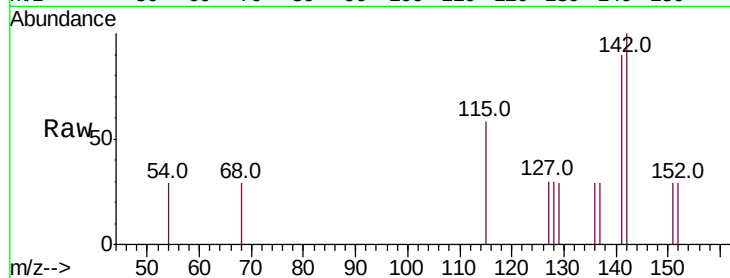
MDL-WATER-QT1-2021-02

Tot Ion:142 Resp: 189

Ion Ratio Lower Upper

142 100

141 91.0 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

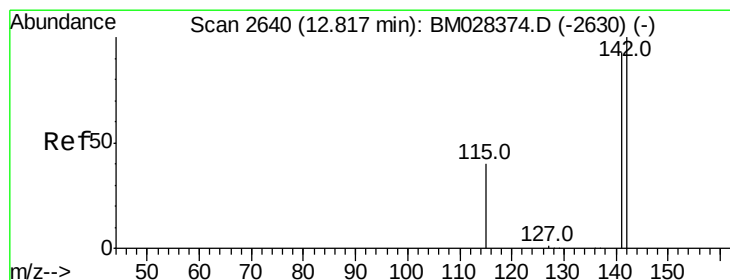
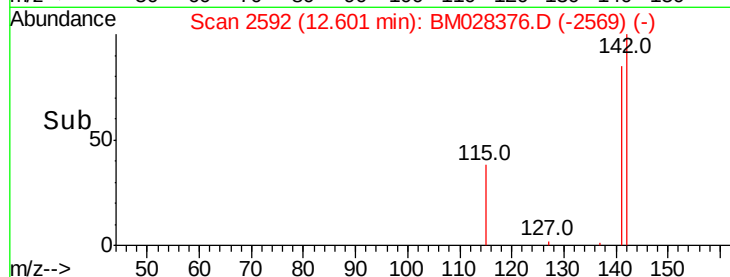
100

50

0

Time-->

12.55 12.60 12.65



#8

1-Methylnaphthalene

Concen: 0.059 ng/ul

RT: 12.82 min Scan# 2640

Delta R.T. -0.00 min

Lab File: BM028376.D

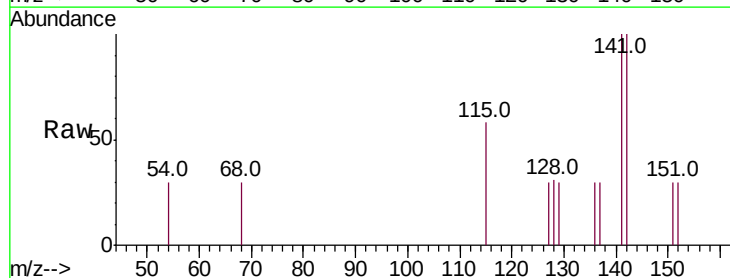
Acq: 12 Jan 2021 11:18

Tgt Ion:142 Resp: 178

Ion Ratio Lower Upper

142 100

141 92.7 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

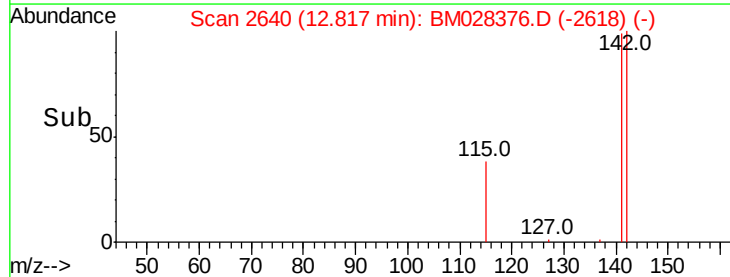
100

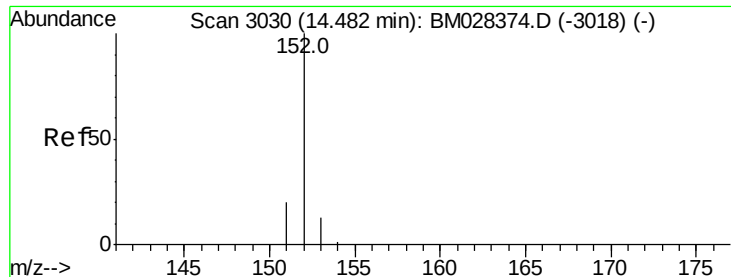
50

0

Time-->

12.75 12.80 12.85





#10

Acenaphthylene

Concen: 0.057 ng/ul

RT: 14.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: BM028376.D

Acq: 12 Jan 2021 11:18

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2021-02

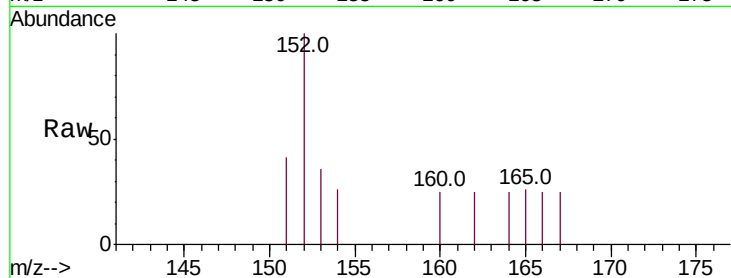
Tot Ion:152 Resp: 217

Ion Ratio Lower Upper

152 100

151 40.5 18.4 27.6#

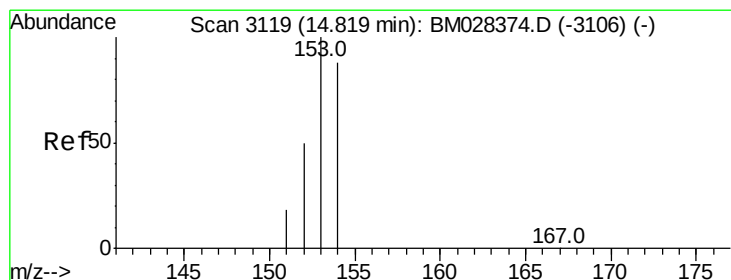
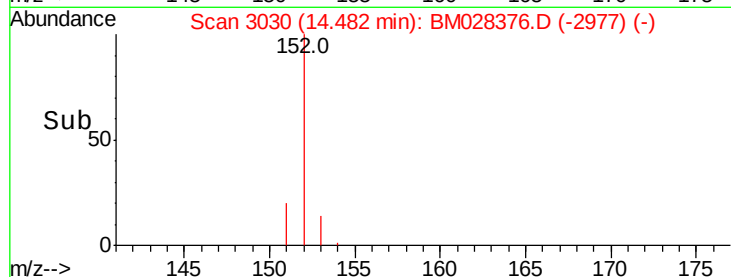
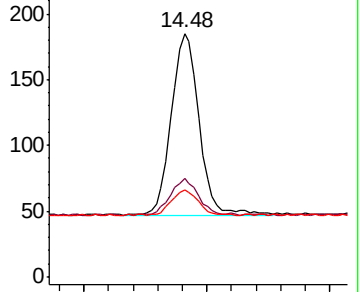
153 35.7 13.8 20.6#



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: 0.059 ng/ul

RT: 14.82 min Scan# 3120

Delta R.T. 0.00 min

Lab File: BM028376.D

Acq: 12 Jan 2021 11:18

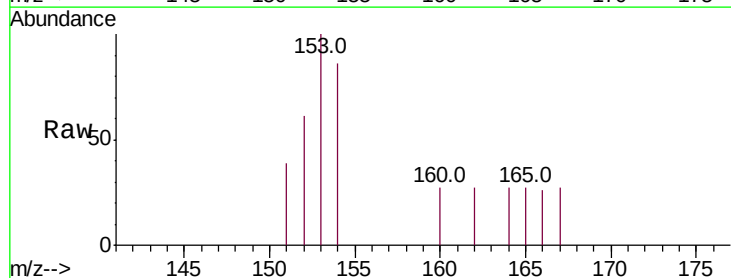
Tgt Ion:153 Resp: 191

Ion Ratio Lower Upper

153 100

152 61.5 40.9 61.3#

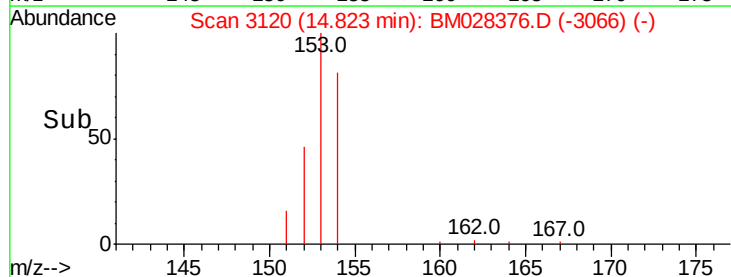
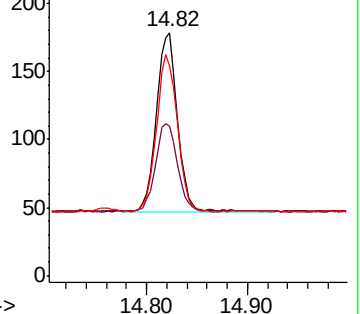
154 86.0 71.7 107.5

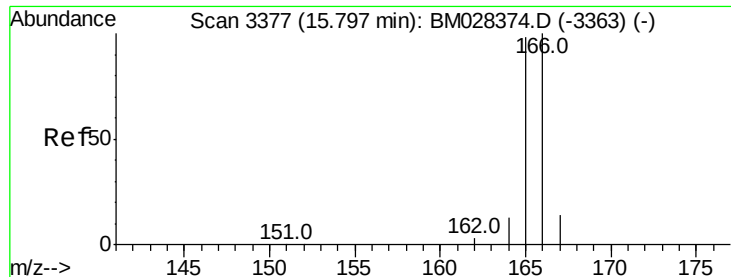


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.057 ng/ul

RT: 15.80 min Scan# 3377

Delta R.T. -0.00 min

Lab File: BM028376.D

Acq: 12 Jan 2021 11:18

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2021-02

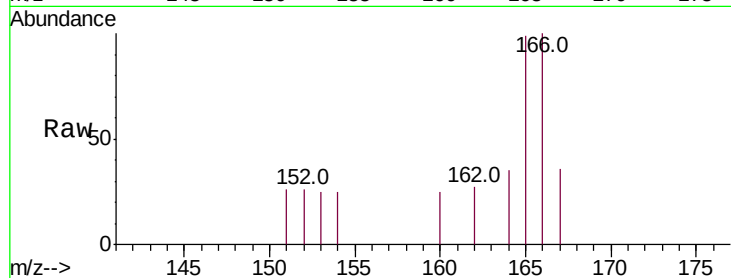
Tot Ion:166 Resp: 204

Ion Ratio Lower Upper

166 100

165 98.9 78.6 117.8

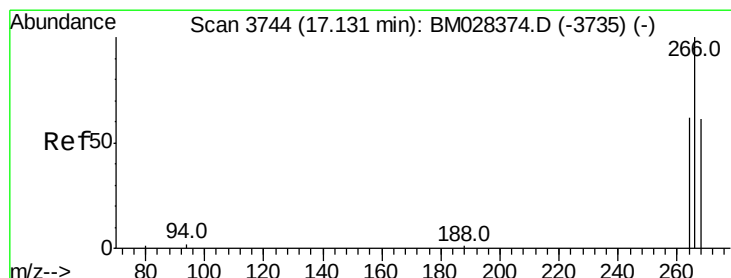
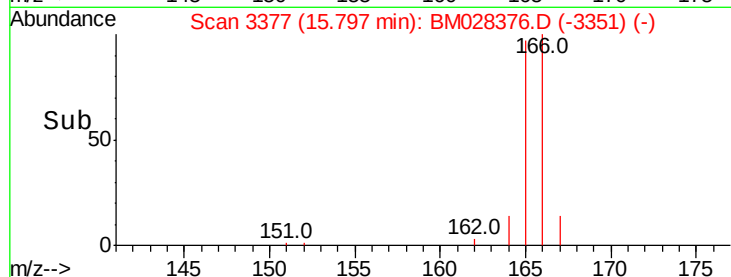
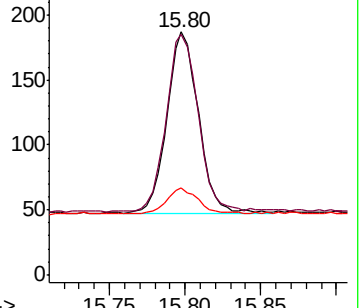
167 35.8 14.2 21.2#



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



#14

Pentachlorophenol

Concen: 0.061 ng/ul

RT: 17.13 min Scan# 3744

Delta R.T. -0.00 min

Lab File: BM028376.D

Acq: 12 Jan 2021 11:18

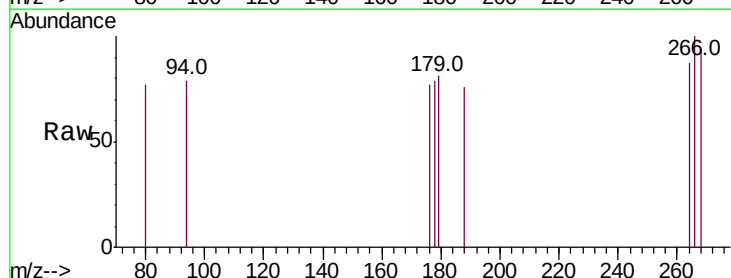
Tgt Ion:266 Resp: 23

Ion Ratio Lower Upper

266 100

264 69.6 52.6 78.8

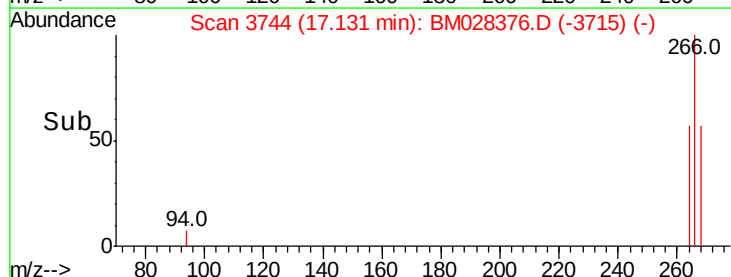
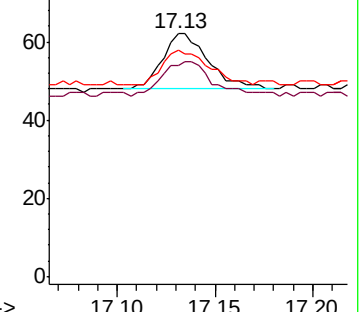
268 60.9 52.0 78.0

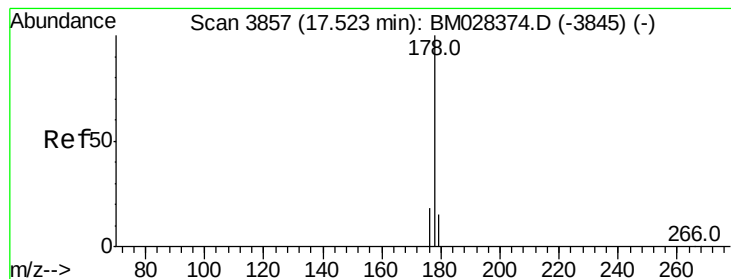


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.062 ng/ul

RT: 17.52 min Scan# 3856

Delta R.T. -0.00 min

Lab File: BM028376.D

Acq: 12 Jan 2021 11:18

Instrument :

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ClientSampleId :

MDL-WATER-QT1-2021-02

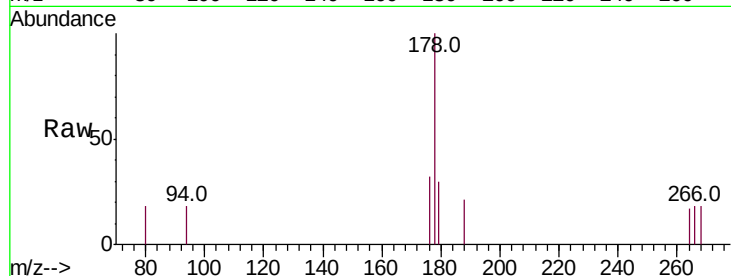
Tot Ion:178 Resp: 328

Ion Ratio Lower Upper

178 100

179 30.3 14.6 21.8#

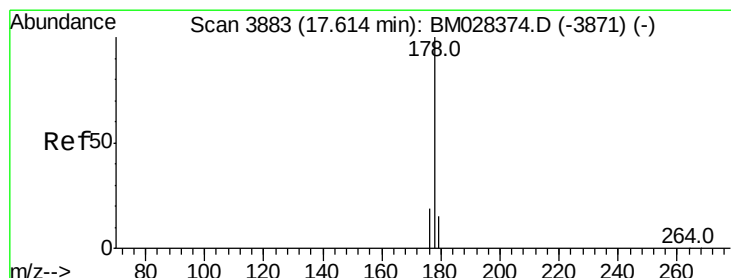
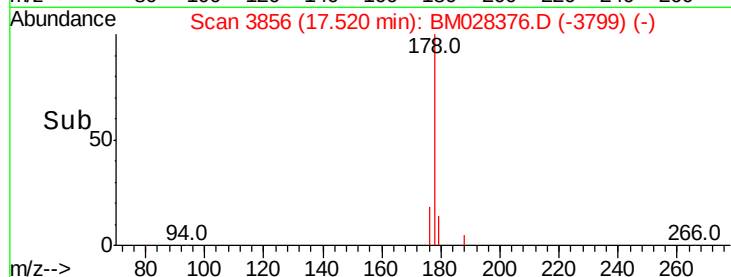
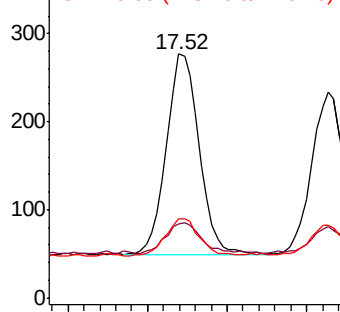
176 32.5 17.0 25.6#



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: 0.059 ng/ul

RT: 17.61 min Scan# 3883

Delta R.T. -0.00 min

Lab File: BM028376.D

Acq: 12 Jan 2021 11:18

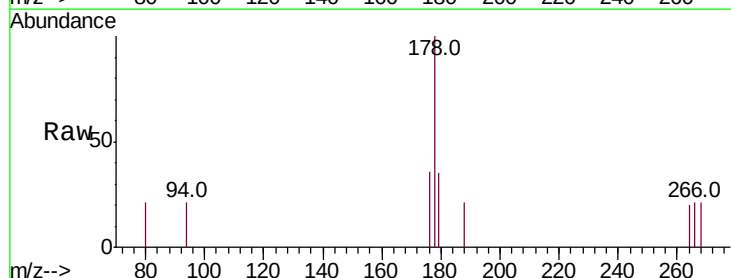
Tgt Ion:178 Resp: 273

Ion Ratio Lower Upper

178 100

179 34.8 15.1 22.7#

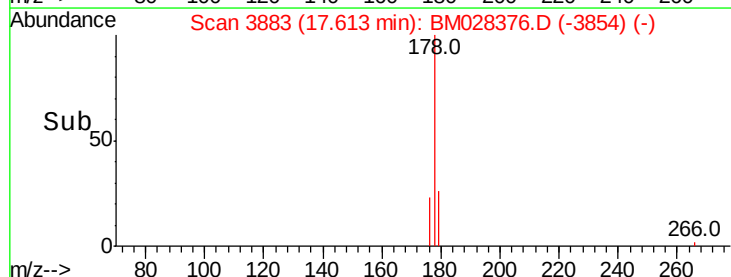
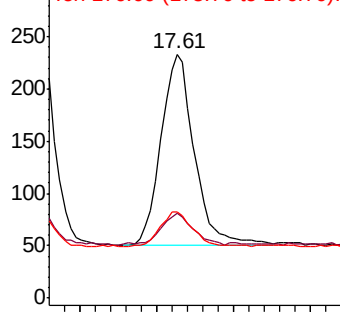
176 35.6 17.0 25.4#

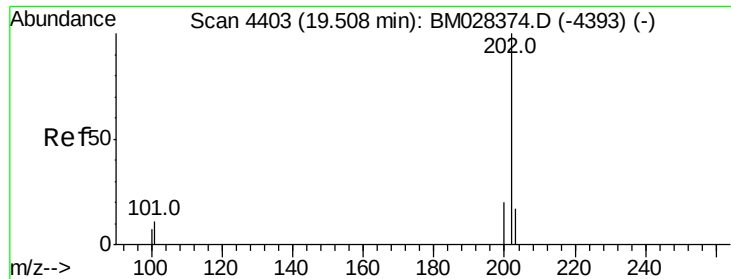


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.065 ng/ul

RT: 19.51 min Scan# 4404

Delta R.T. 0.00 min

Lab File: BM028376.D

Acq: 12 Jan 2021 11:18

Instrument :

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ClientSampleId :

MDL-WATER-QT1-2021-02

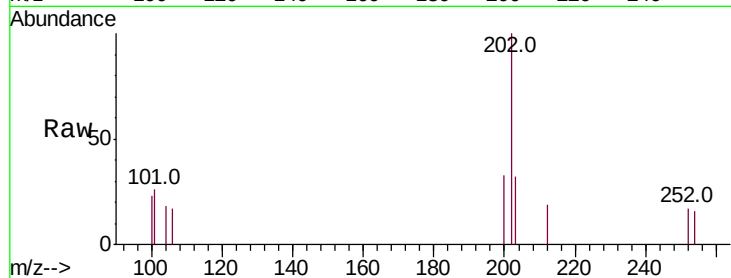
Tot Ion:202 Resp: 352

Ion Ratio Lower Upper

202 100

101 26.2 10.2 15.4#

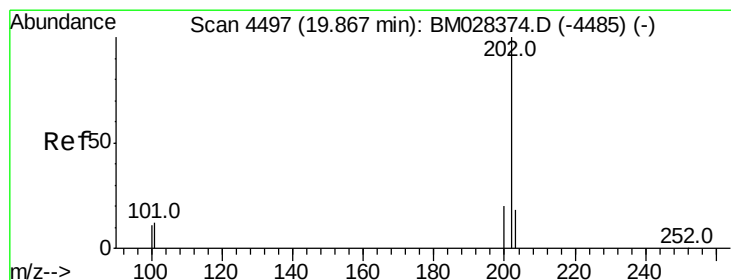
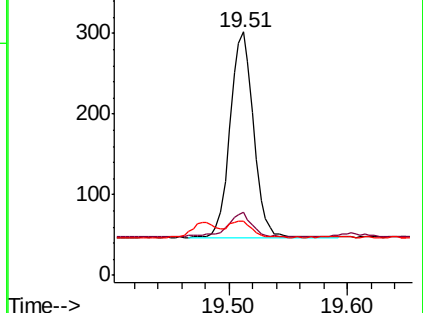
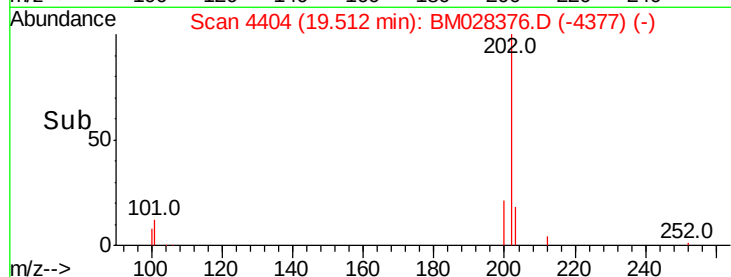
100 22.5 9.0 13.4#



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: 0.065 ng/ul

RT: 19.87 min Scan# 4498

Delta R.T. 0.00 min

Lab File: BM028376.D

Acq: 12 Jan 2021 11:18

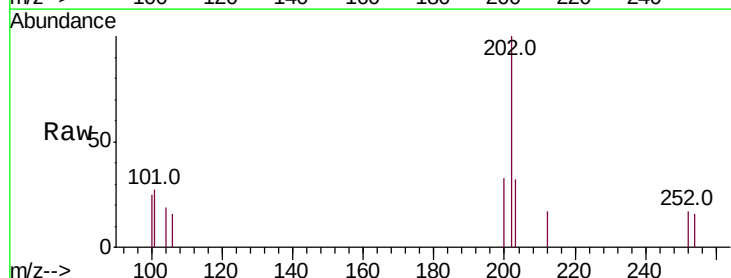
Tgt Ion:202 Resp: 351

Ion Ratio Lower Upper

202 100

101 26.8 11.8 17.8#

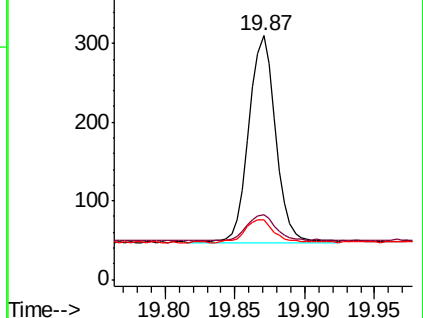
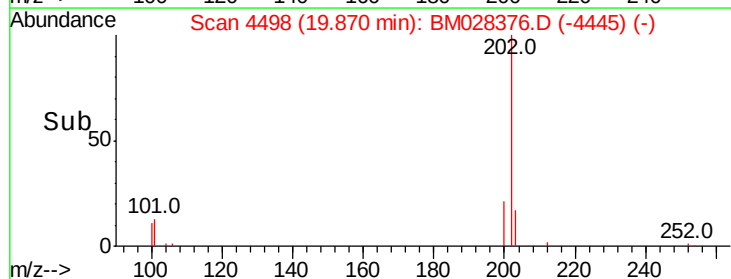
100 24.5 10.1 15.1#

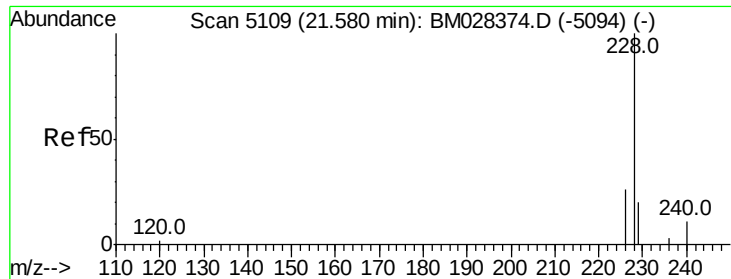


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.074 ng/ul

RT: 21.58 min Scan# 5110

Delta R.T. 0.00 min

Lab File: BM028376.D

Acq: 12 Jan 2021 11:18

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2021-02

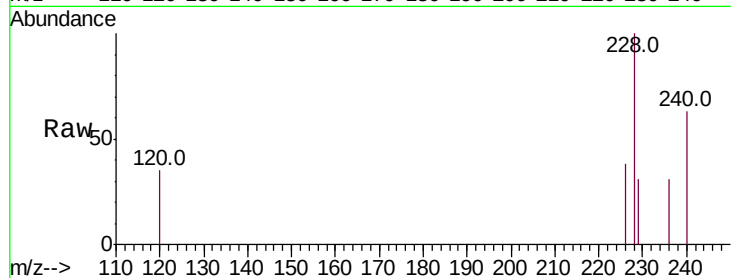
Tot Ion:228 Resp: 314

Ion Ratio Lower Upper

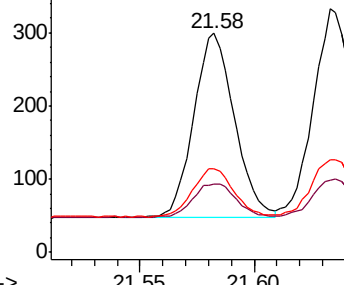
228 100

229 31.4 18.3 27.5#

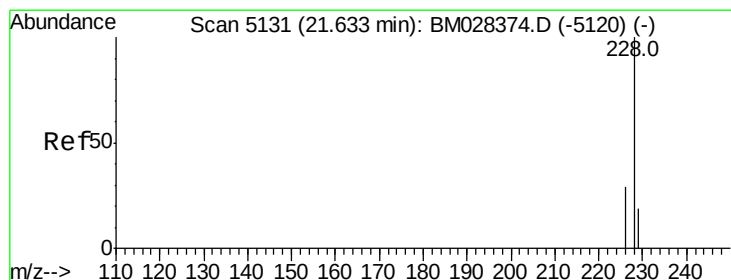
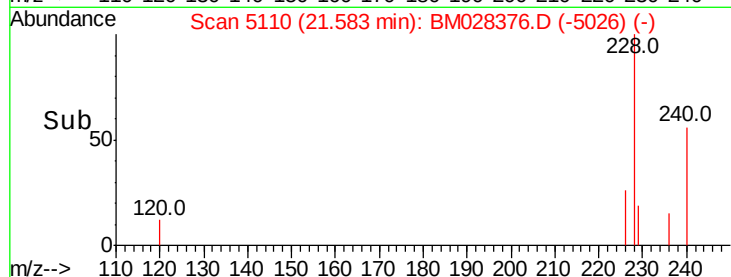
226 38.1 23.0 34.4#



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



Time-->



#22

Chrysene

Concen: 0.075 ng/ul

RT: 21.63 min Scan# 5131

Delta R.T. -0.00 min

Lab File: BM028376.D

Acq: 12 Jan 2021 11:18

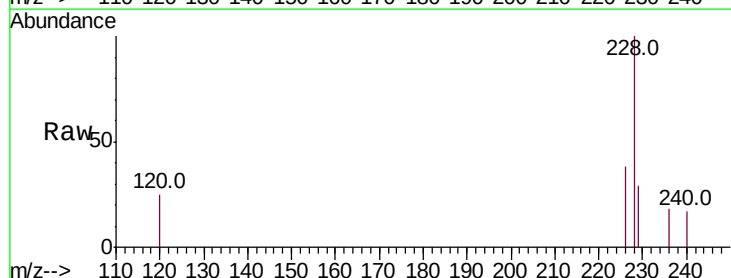
Tgt Ion:228 Resp: 352

Ion Ratio Lower Upper

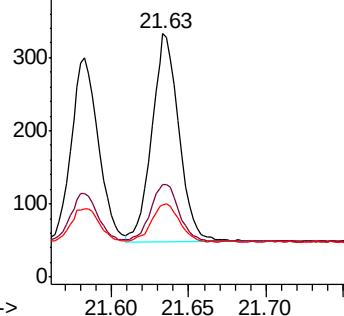
228 100

226 37.8 25.1 37.7#

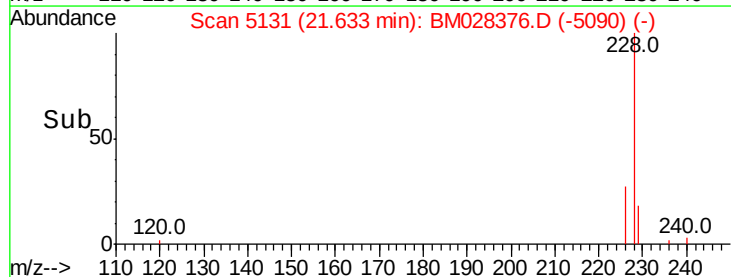
229 29.4 17.4 26.0#

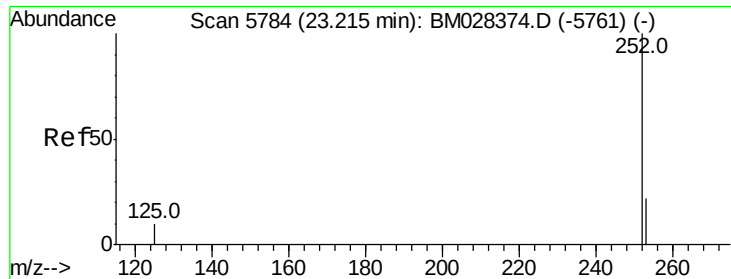


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





#24

Benzo(b)fluoranthene

Concen: 0.082 ng/ul

RT: 23.21 min Scan# 5784

Delta R.T. -0.00 min

Lab File: BM028376.D

Acq: 12 Jan 2021 11:18

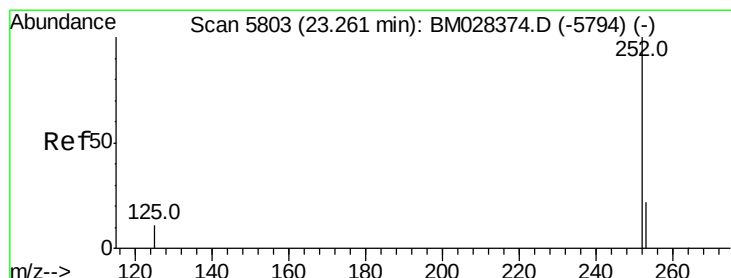
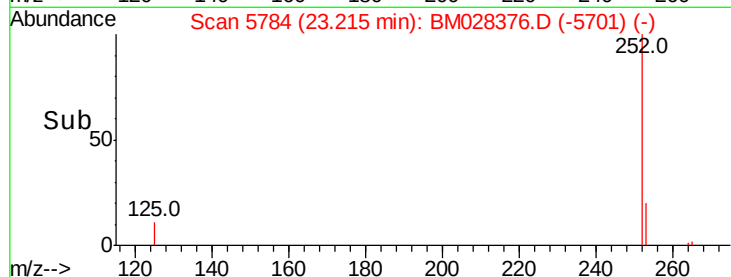
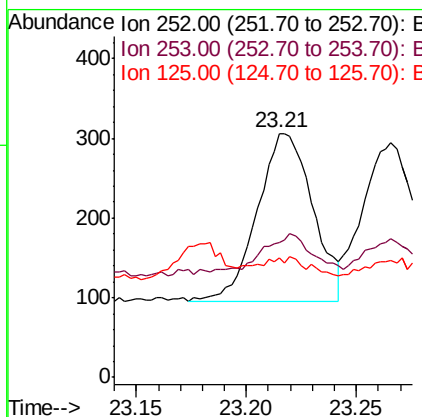
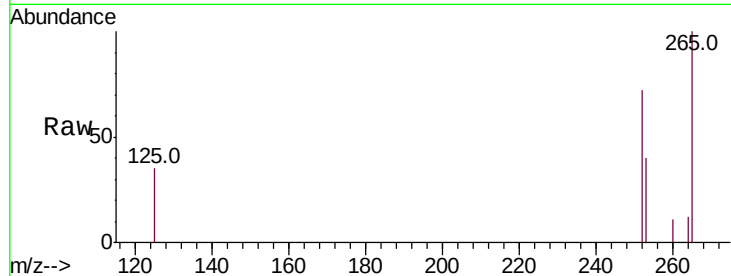
Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2021-02

Tot Ion:	252	Resp:	370
Ion	Ratio	Lower	Upper
252	100		
253	55.6	0.0	61.4
125	49.0	0.0	40.4#



#25

Benzo(k)fluoranthene

Concen: 0.079 ng/ul

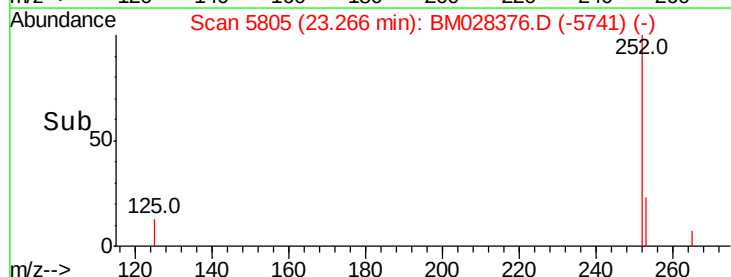
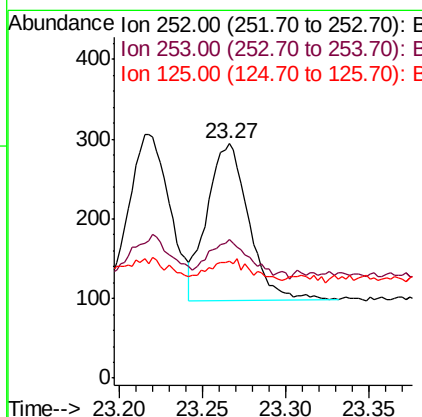
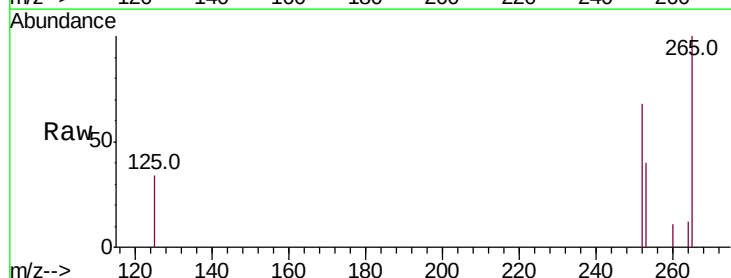
RT: 23.27 min Scan# 5805

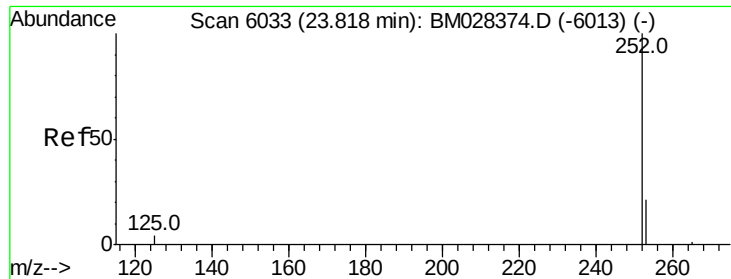
Delta R.T. 0.00 min

Lab File: BM028376.D

Acq: 12 Jan 2021 11:18

Tgt Ion:	252	Resp:	340
Ion	Ratio	Lower	Upper
252	100		
253	59.5	24.7	37.1#
125	50.0	17.3	25.9#





#26

Benzo(a)pyrene

Concen: 0.077 ng/ul

RT: 23.82 min Scan# 6034

Delta R.T. 0.00 min

Lab File: BM028376.D

Acq: 12 Jan 2021 11:18

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2021-02

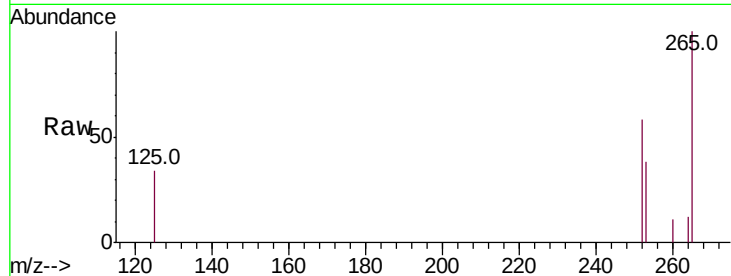
Tot Ion:252 Resp: 287

Ion Ratio Lower Upper

252 100

253 65.7 28.0 42.0#

125 58.4 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

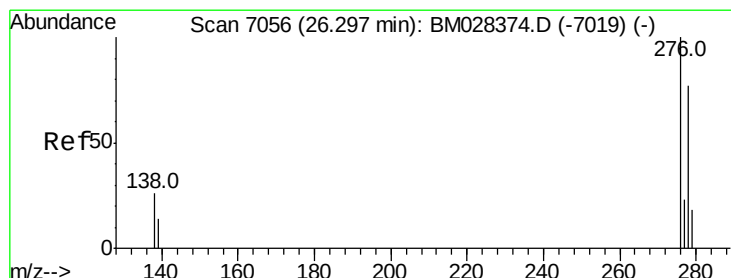
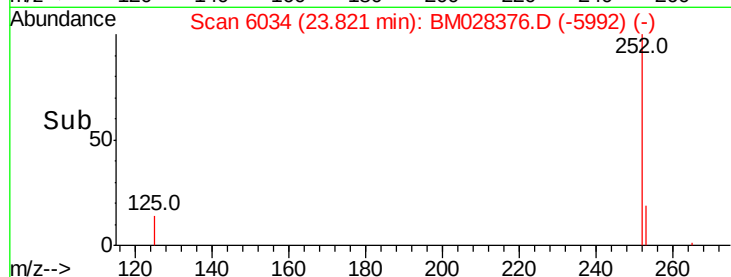
23.82

200

100

0

Time--> 23.75 23.80 23.85



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.069 ng/ul

RT: 26.30 min Scan# 7057

Delta R.T. 0.00 min

Lab File: BM028376.D

Acq: 12 Jan 2021 11:18

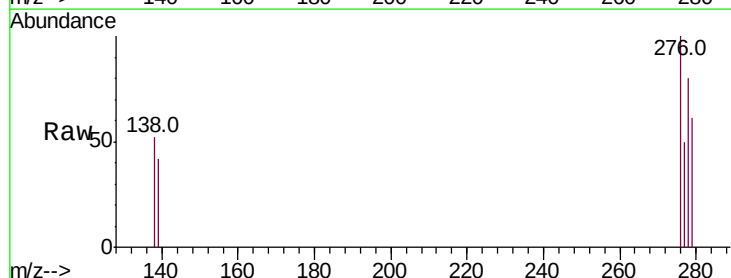
Tgt Ion:276 Resp: 336

Ion Ratio Lower Upper

276 100

138 27.4 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

26.30

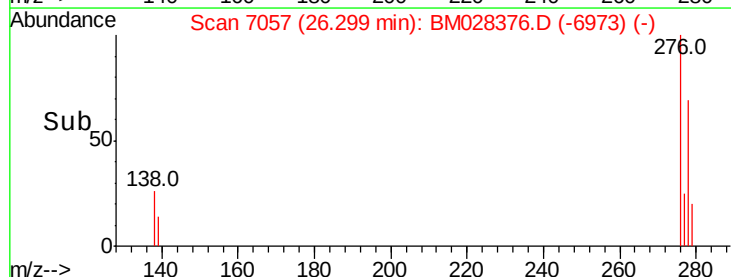
150

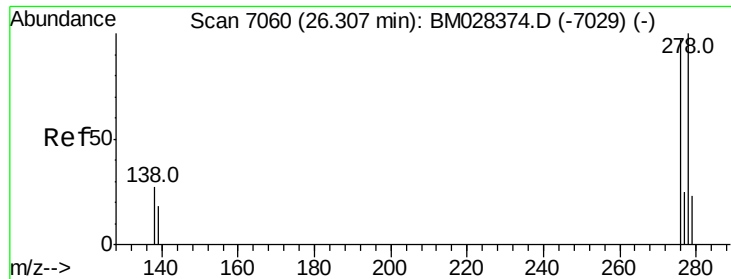
100

50

0

Time--> 26.20 26.30 26.40

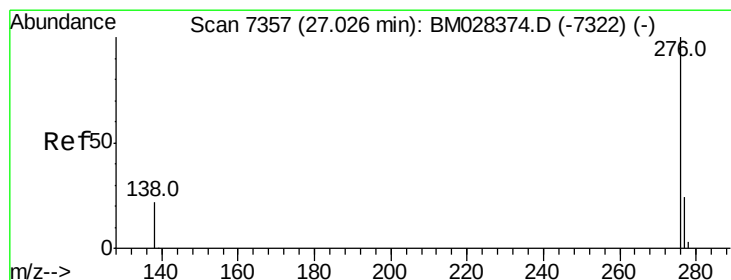
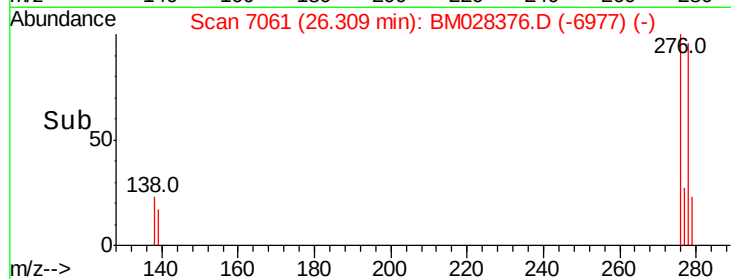
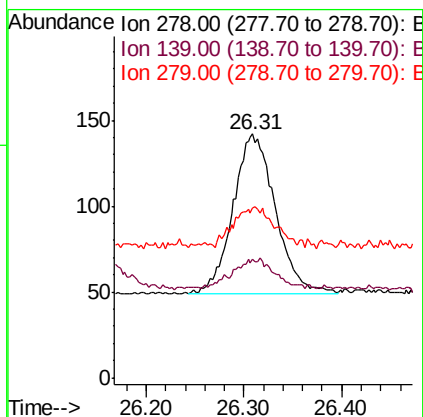
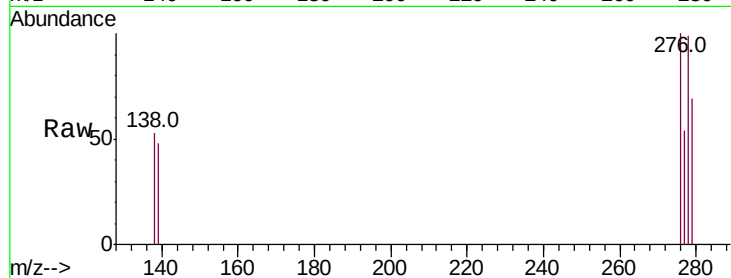




#28
Dibenzo(a,h)anthracene
Concen: 0.070 ng/ul
RT: 26.31 min Scan# 7061
Delta R.T. 0.00 min
Lab File: BM028376.D
Acq: 12 Jan 2021 11:18

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

Tot Ion:278 Resp: 281
Ion Ratio Lower Upper
278 100
139 48.6 20.3 30.5#
279 69.7 27.5 41.3#



#29
Benzo(g,h,i)perylene
Concen: 0.070 ng/ul
RT: 27.03 min Scan# 7357
Delta R.T. -0.00 min
Lab File: BM028376.D
Acq: 12 Jan 2021 11:18

Tgt Ion:276 Resp: 304
Ion Ratio Lower Upper
276 100
138 50.3 24.7 37.1#
277 51.7 23.8 35.6#

