

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032421\
 Data File : BM029202.D
 Acq On : 24 Mar 2021 10:27
 Operator : CG/JU
 Sample : M1344-02
 Misc : SFAM-SIM-MDL-W-02
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT2-2021-04

Quant Time: Mar 24 11:02:52 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 24 10:09:05 2021
 Response via : Initial Calibration

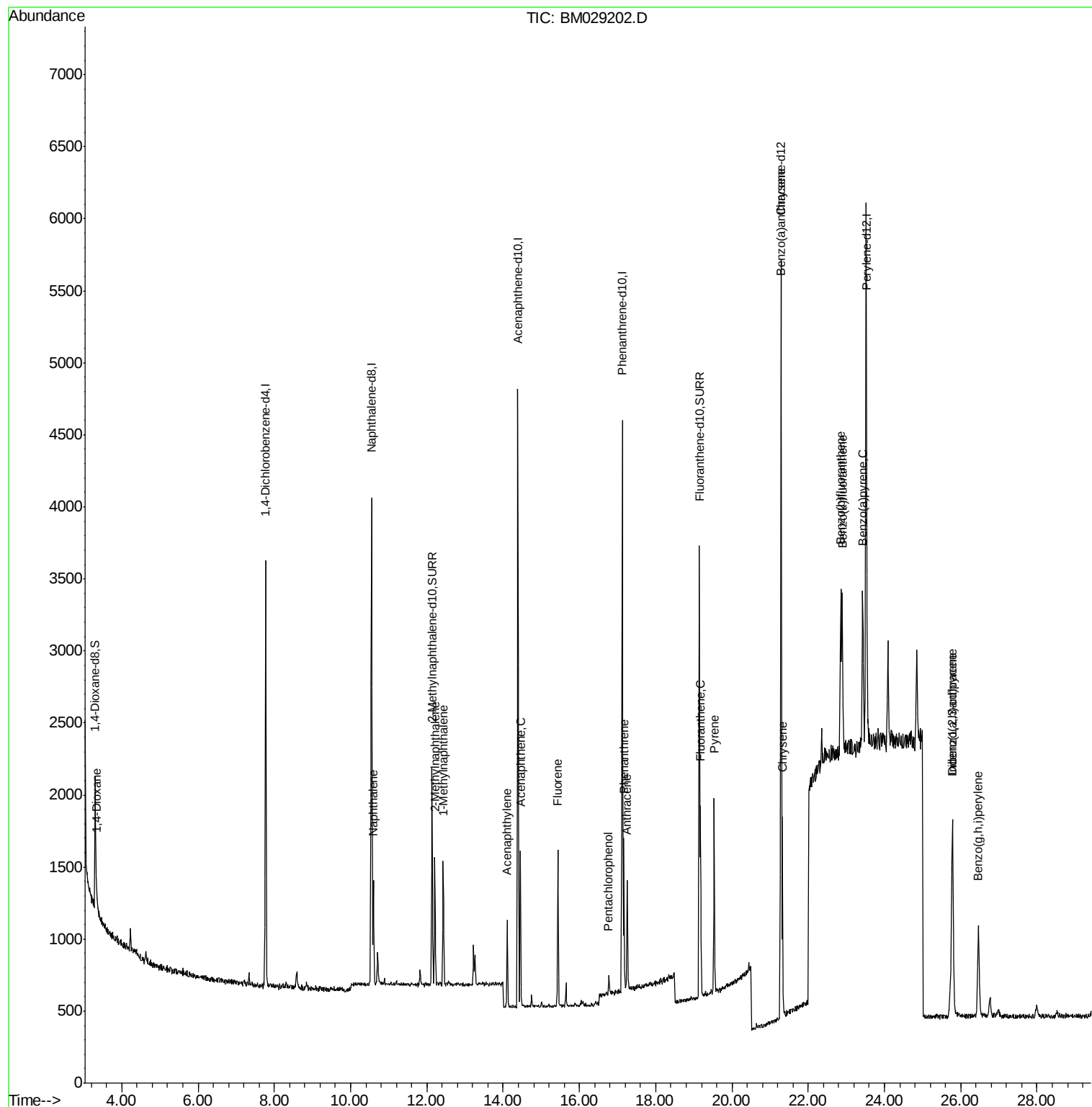
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	1481	0.40	ng/ul	0.00
4) Naphthalene-d8	10.55	136	4612	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.39	164	2306	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.12	188	4644	0.40	ng/ul	0.00
17) Chrysene-d12	21.29	240	4581	0.40	ng/ul	0.00
23) Perylene-d12	23.52	264	5090	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	702	0.56	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.14	152	1938	0.28	ng/ul	0.00
18) Fluoranthene-d10	19.15	212	3511	0.30	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.33	88	92	0.066	ng/ul#	76
5) Naphthalene	10.59	128	970	0.071	ng/ul#	87
7) 2-Methylnaphthalene	12.21	142	623	0.070	ng/ul	98
8) 1-Methylnaphthalene	12.43	142	574	0.067	ng/ul	100
10) Acenaphthylene	14.11	152	666	0.066	ng/ul#	86
11) Acenaphthene	14.45	153	617	0.071	ng/ul	96
12) Fluorene	15.43	166	656	0.067	ng/ul#	96
14) Pentachlorophenol	16.77	266	100	0.081	ng/ul	97
15) Phenanthrene	17.16	178	1083	0.073	ng/ul#	87
16) Anthracene	17.25	178	867	0.068	ng/ul#	82
19) Fluoranthene	19.17	202	1095	0.071	ng/ul#	83
20) Pyrene	19.53	202	1140	0.073	ng/ul#	87
21) Benzo(a)anthracene	21.27	228	958	0.070	ng/ul#	89
22) Chrysene	21.32	228	1115	0.072	ng/ul#	92
24) Benzo(b)fluoranthene	22.85	252	1332	0.072	ng/ul#	45
25) Benzo(k)fluoranthene	22.89	252	1364	0.071	ng/ul#	56
26) Benzo(a)pyrene	23.42	252	1079	0.072	ng/ul#	6
27) Indeno(1,2,3-cd)pyrene	25.77	276	1652	0.070	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.79	278	1348	0.068	ng/ul#	65
29) Benzo(g,h,i)perylene	26.46	276	1279	0.067	ng/ul#	76

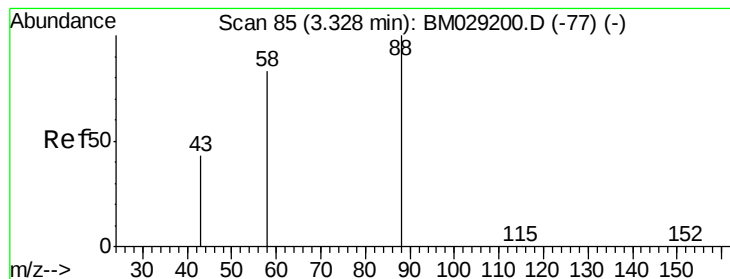
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.066 ng/ul

RT: 3.33 min Scan# 87

Delta R.T. 0.01 min

Lab File: BM029202.D

Acq: 24 Mar 2021 10:27

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT2-2021-04

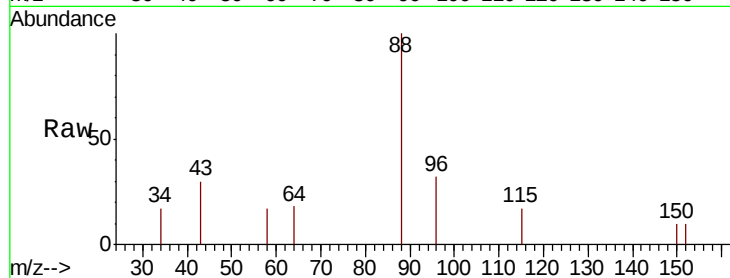
Tot Ion: 88 Resp: 92

Ion Ratio Lower Upper

88 100

43 30.3 26.1 39.1

58 17.0 33.8 50.6#

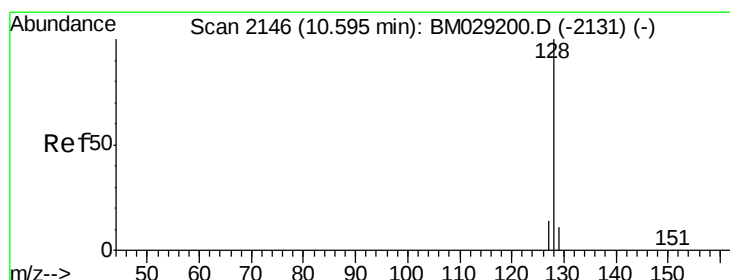
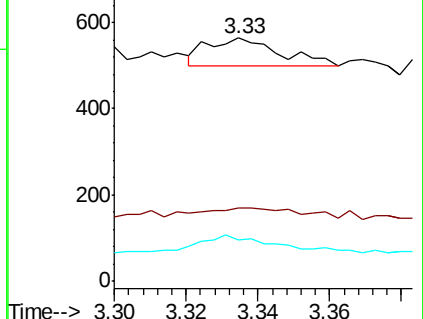
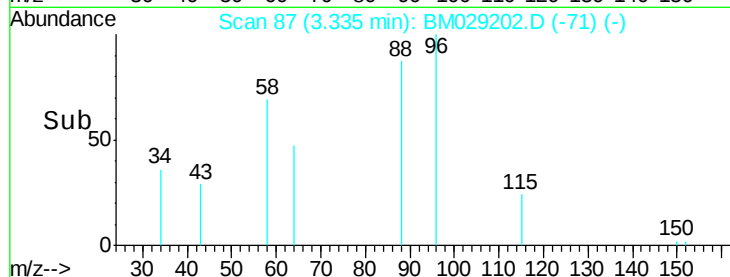


Abundance Ion 88.00 (87.70 to 88.70): BM029202.D (-77) (-)

Ion 43.00 (42.70 to 43.70): BM029202.D (-77) (-)

Ion 58.00 (57.70 to 58.70): BM029202.D (-77) (-)

Time--> 3.30 3.32 3.34 3.36



#5

Naphthalene

Concen: 0.071 ng/ul

RT: 10.59 min Scan# 2146

Delta R.T. 0.00 min

Lab File: BM029202.D

Acq: 24 Mar 2021 10:27

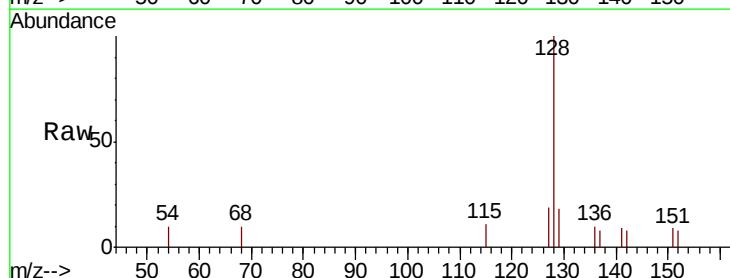
Tgt Ion: 128 Resp: 970

Ion Ratio Lower Upper

128 100

129 18.4 9.5 14.3#

127 19.1 11.8 17.8#

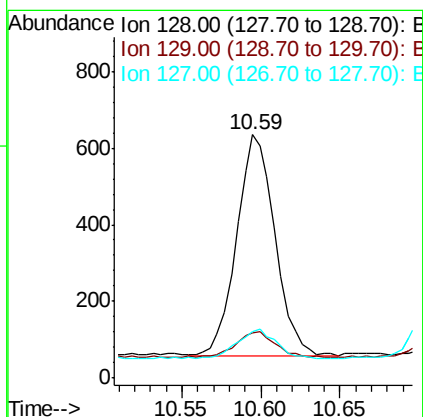
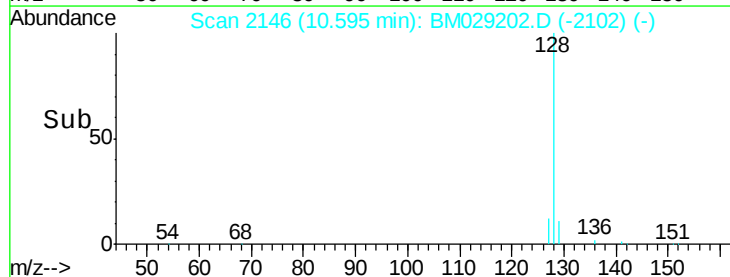


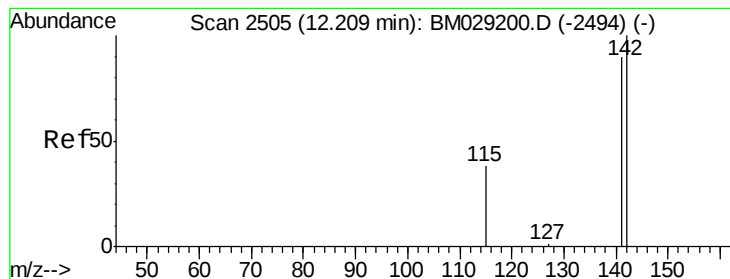
Abundance Ion 128.00 (127.70 to 128.70): BM029202.D (-2131) (-)

Ion 129.00 (128.70 to 129.70): BM029202.D (-2131) (-)

Ion 127.00 (126.70 to 127.70): BM029202.D (-2131) (-)

Time--> 10.55 10.60 10.65





#7

2-Methylnaphthalene

Concen: 0.070 ng/u1

RT: 12.21 min Scan# 2505

Delta R.T. 0.00 min

Lab File: BM029202.D

Acq: 24 Mar 2021 10:27

Instrument :

BNA_M

ClientSampleId :

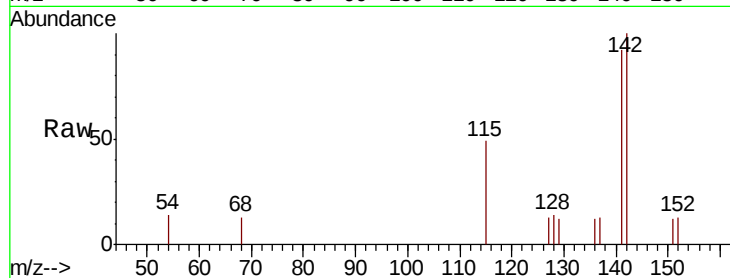
MDL-WATER-QT2-2021-04

Tot Ion:142 Resp: 623

Ion Ratio Lower Upper

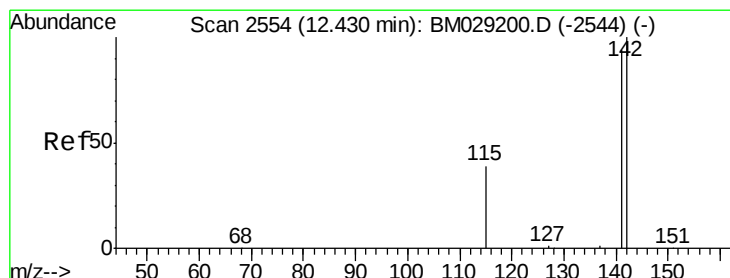
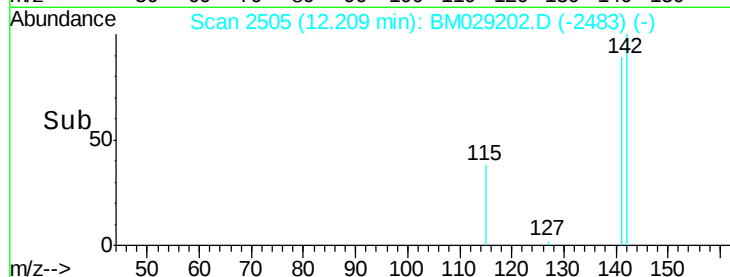
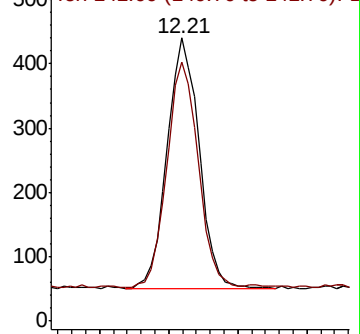
142 100

141 88.3 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.067 ng/u1

RT: 12.43 min Scan# 2554

Delta R.T. 0.00 min

Lab File: BM029202.D

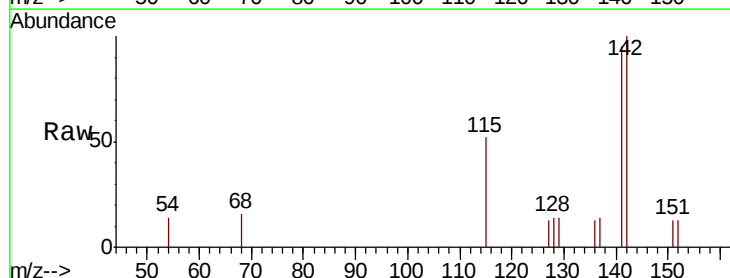
Acq: 24 Mar 2021 10:27

Tgt Ion:142 Resp: 574

Ion Ratio Lower Upper

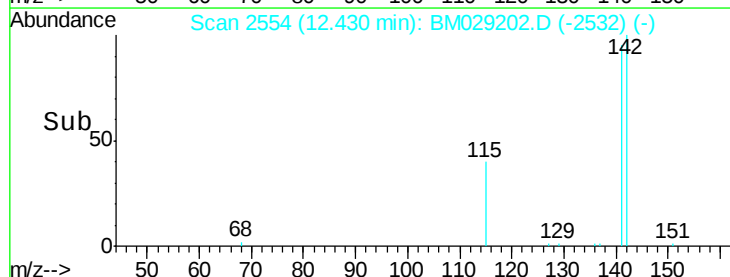
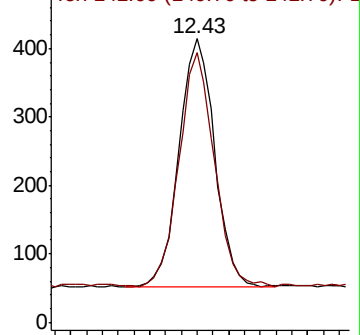
142 100

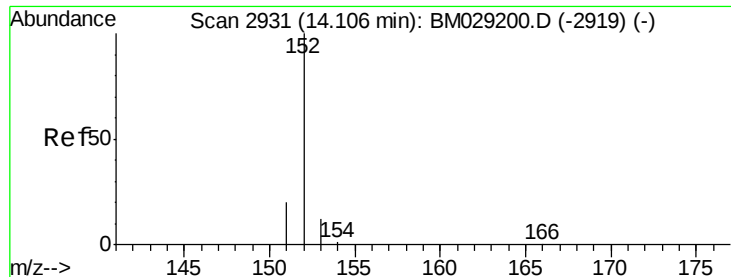
141 92.7 74.0 111.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.066 ng/ul

RT: 14.11 min Scan# 2931

Delta R.T. 0.00 min

Lab File: BM029202.D

Acq: 24 Mar 2021 10:27

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT2-2021-04

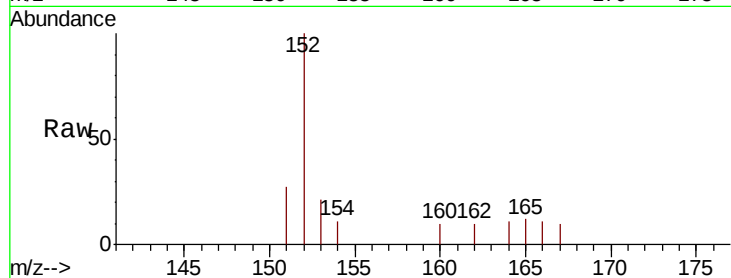
Tot Ion:152 Resp: 666

Ion Ratio Lower Upper

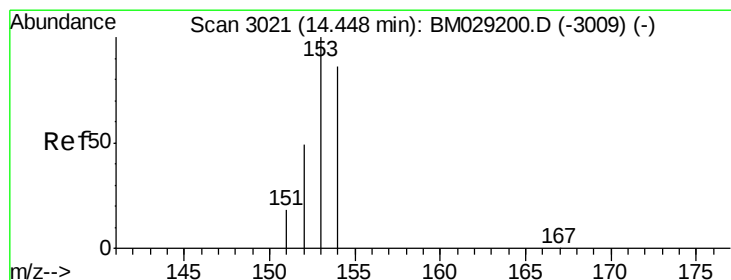
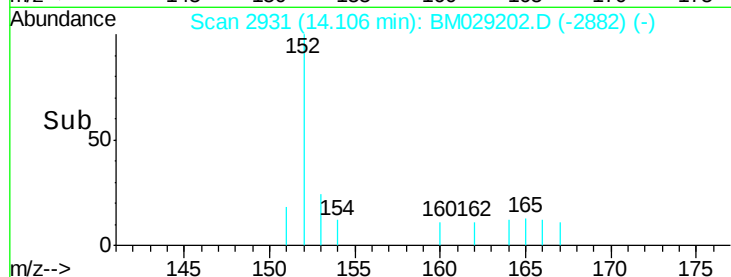
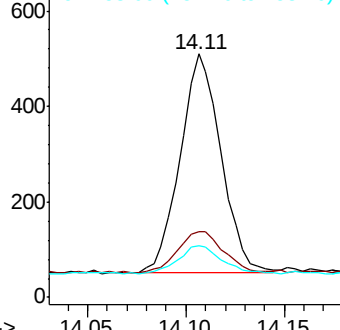
152 100

151 27.1 17.2 25.8#

153 21.2 11.1 16.7#



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: 0.071 ng/ul

RT: 14.45 min Scan# 3022

Delta R.T. 0.00 min

Lab File: BM029202.D

Acq: 24 Mar 2021 10:27

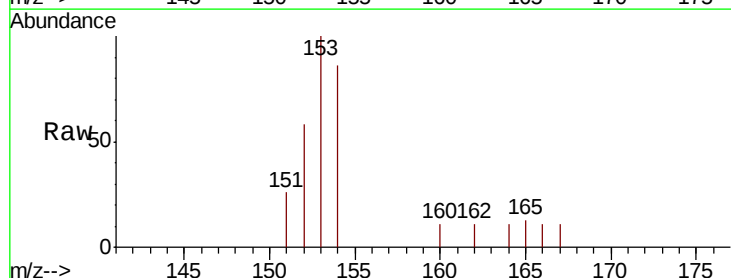
Tgt Ion:153 Resp: 617

Ion Ratio Lower Upper

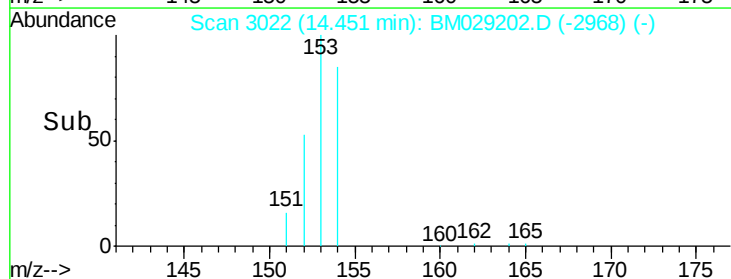
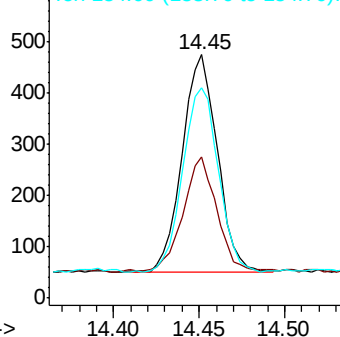
153 100

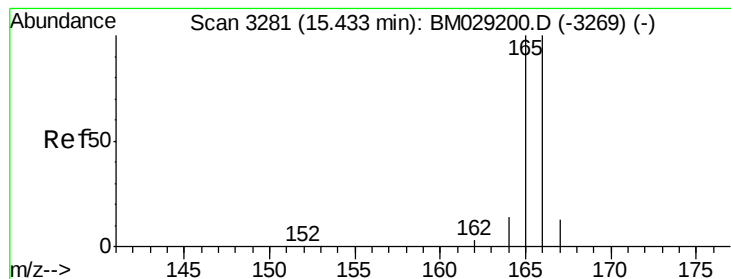
152 58.1 40.1 60.1

154 86.3 69.0 103.4



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: 0.067 ng/ul

RT: 15.43 min Scan# 3281

Delta R.T. 0.00 min

Lab File: BM029202.D

Acq: 24 Mar 2021 10:27

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT2-2021-04

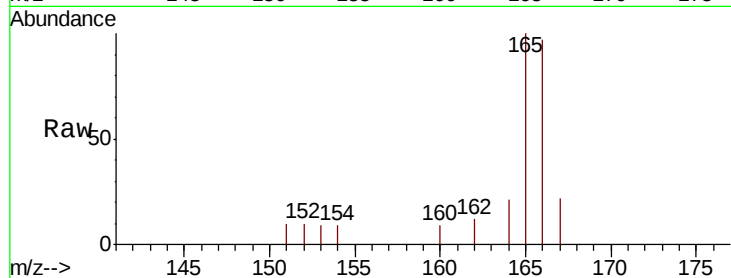
Tot Ion:166 Resp: 656

Ion Ratio Lower Upper

166 100

165 103.3 80.6 120.8

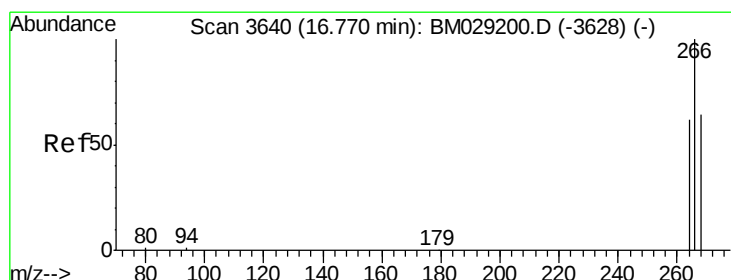
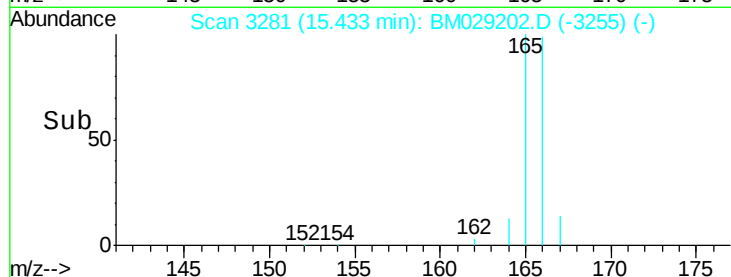
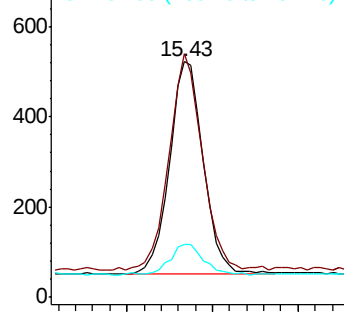
167 22.2 12.0 18.0#



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: 0.081 ng/ul

RT: 16.77 min Scan# 3641

Delta R.T. 0.00 min

Lab File: BM029202.D

Acq: 24 Mar 2021 10:27

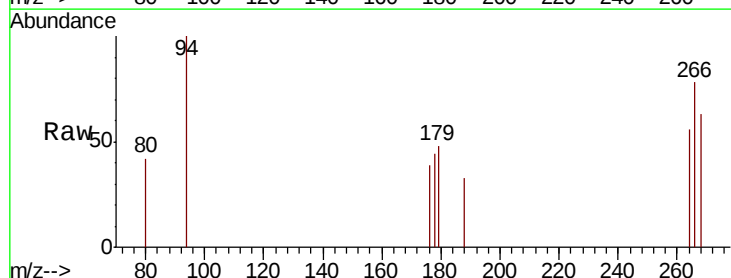
Tgt Ion:266 Resp: 100

Ion Ratio Lower Upper

266 100

264 63.0 48.1 72.1

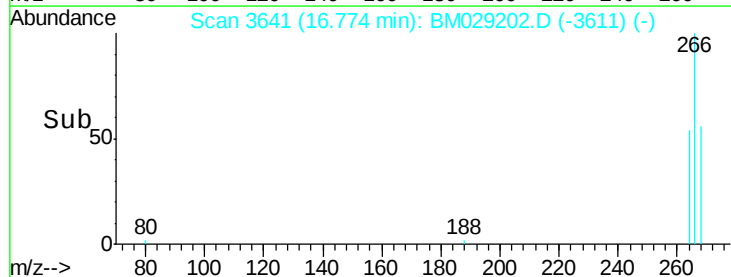
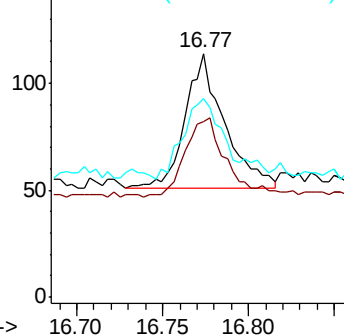
268 67.0 51.8 77.6

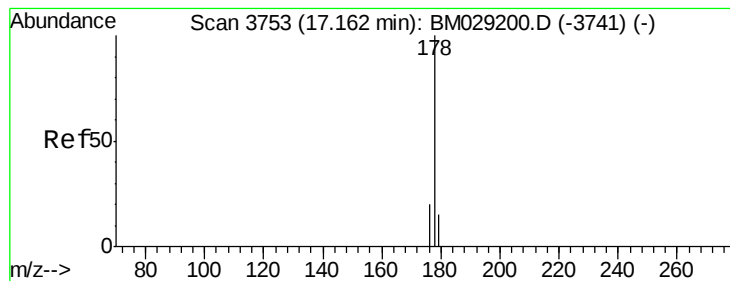


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.073 ng/ul

RT: 17.16 min Scan# 3753

Delta R.T. 0.00 min

Lab File: BM029202.D

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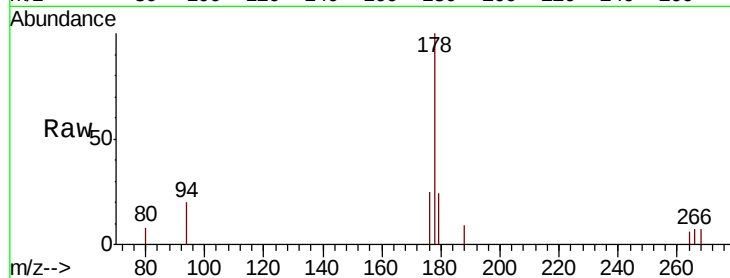
Tot Ion:178 Resp: 1083

Ion Ratio Lower Upper

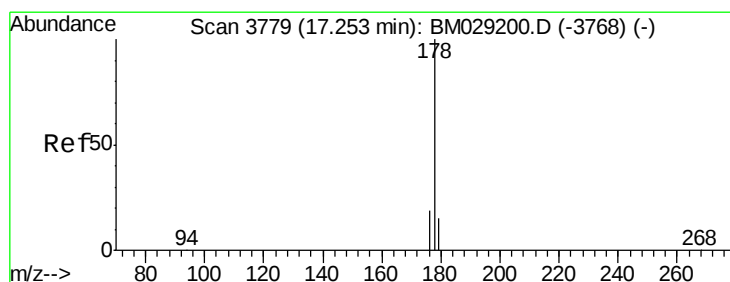
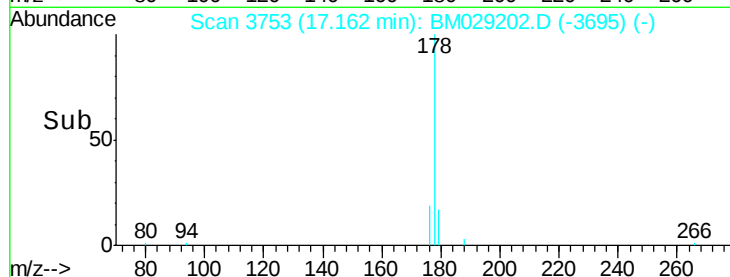
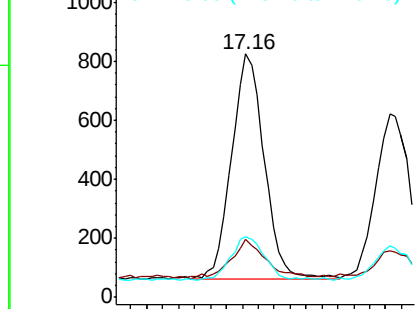
178 100

179 23.9 12.9 19.3#

176 25.0 16.5 24.7#



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: 0.068 ng/ul

RT: 17.25 min Scan# 3779

Delta R.T. 0.00 min

Lab File: BM029202.D

Acq: 24 Mar 2021 10:27

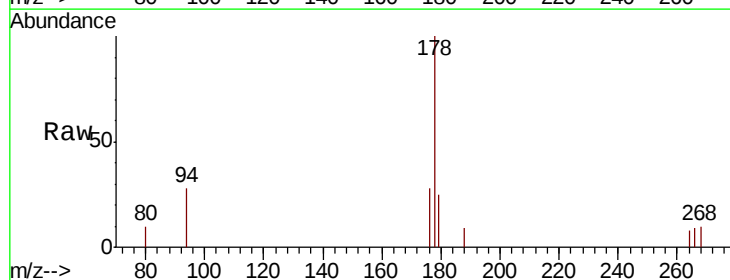
Tgt Ion:178 Resp: 867

Ion Ratio Lower Upper

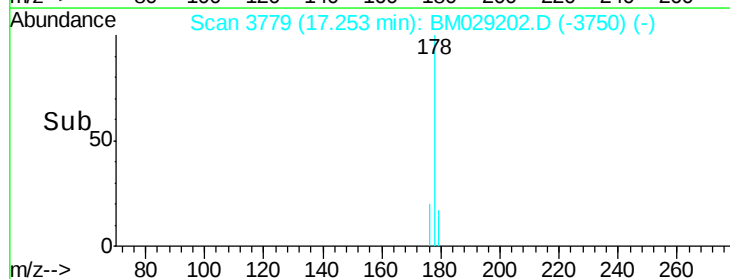
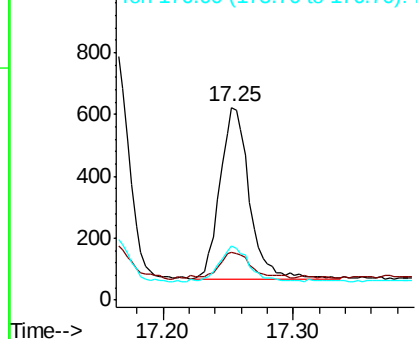
178 100

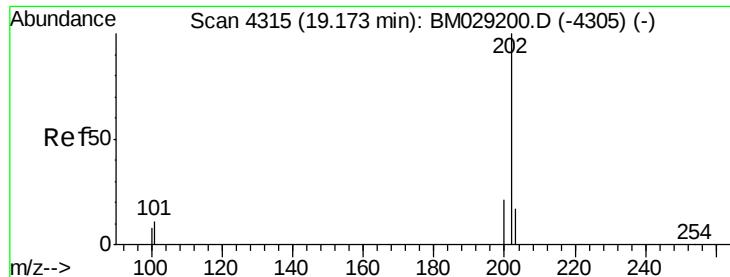
179 25.1 13.1 19.7#

176 28.0 16.2 24.2#



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: 0.071 ng/ul

RT: 19.17 min Scan# 4315

Delta R.T. 0.00 min

Lab File: BM029202.D

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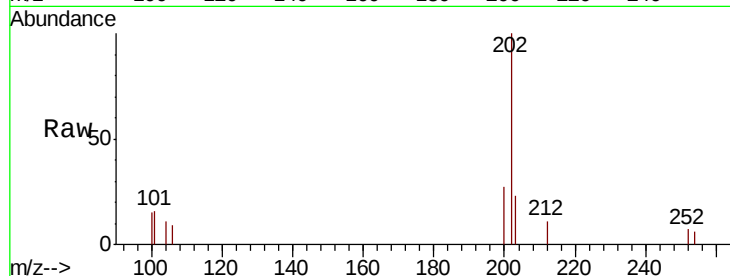
Tot Ion:202 Resp: 1095

Ion Ratio Lower Upper

202 100

101 16.5 8.7 13.1#

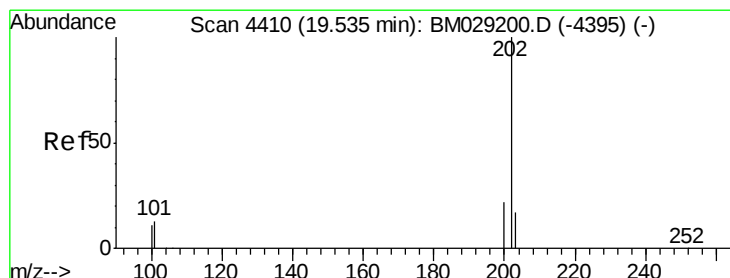
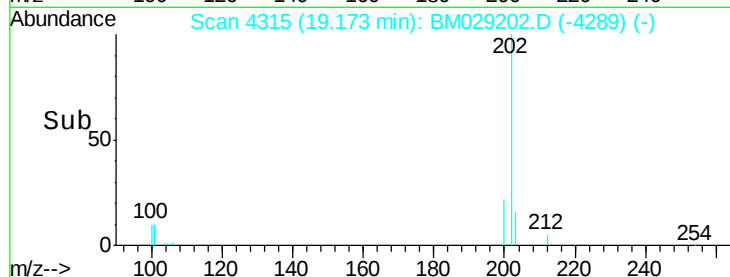
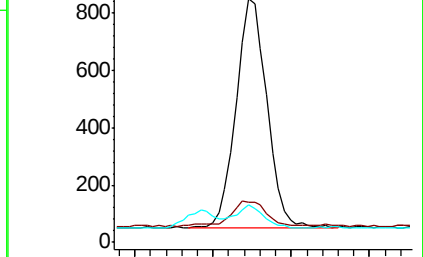
100 15.4 6.9 10.3#



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: 0.073 ng/ul

RT: 19.53 min Scan# 4410

Delta R.T. 0.00 min

Lab File: BM029202.D

Acq: 24 Mar 2021 10:27

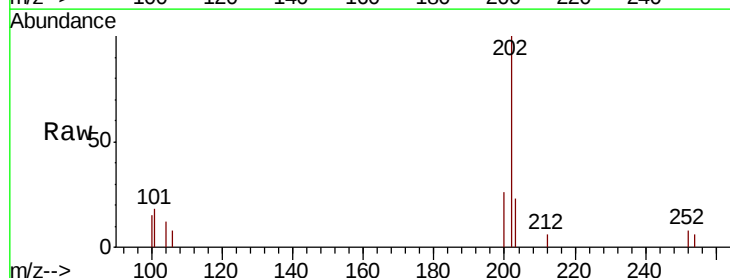
Tgt Ion:202 Resp: 1140

Ion Ratio Lower Upper

202 100

101 18.3 10.2 15.4#

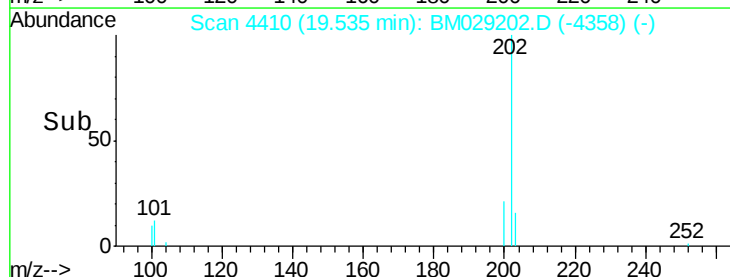
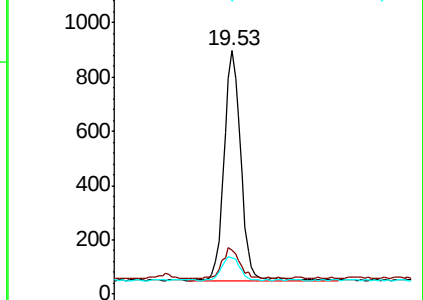
100 14.9 8.5 12.7#

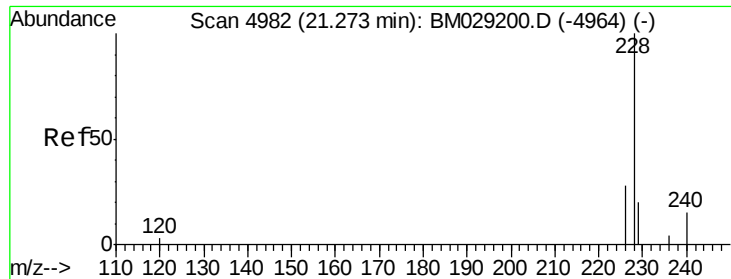


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.070 ng/ul

RT: 21.27 min Scan# 4982

Delta R.T. 0.00 min

Lab File: BM029202.D

Acq: 24 Mar 2021 10:27

Instrument :

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ClientSampleId :

MDL-WATER-QT2-2021-04

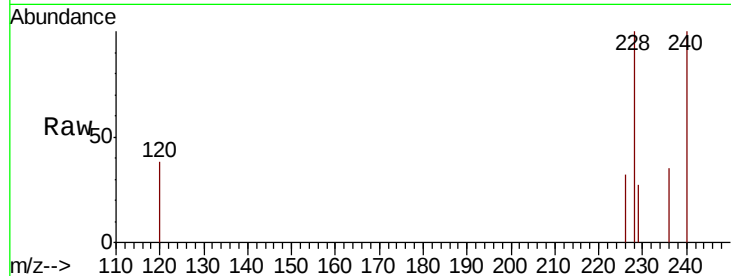
Tot Ion:228 Resp: 958

Ion Ratio Lower Upper

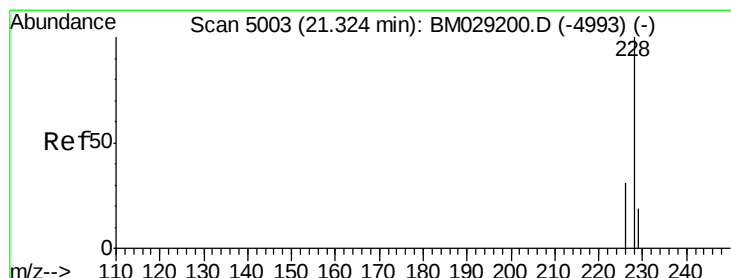
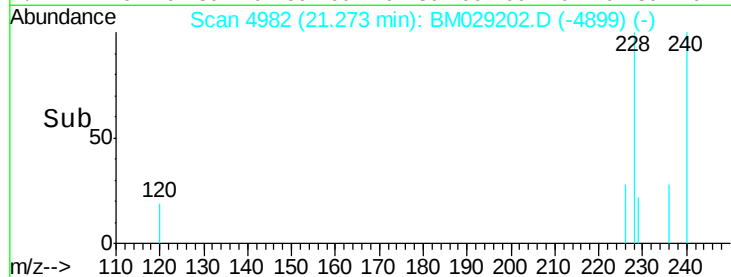
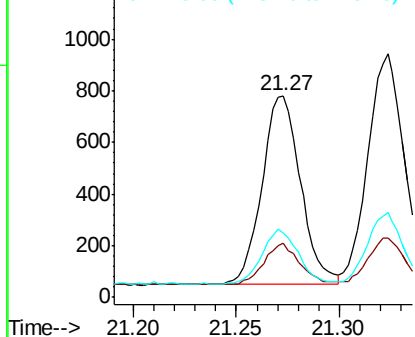
228 100

229 27.1 16.2 24.2#

226 32.2 22.2 33.2



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: 21.32 min Scan# 5003

Delta R.T. 0.00 min

Lab File: BM029202.D

Acq: 24 Mar 2021 10:27

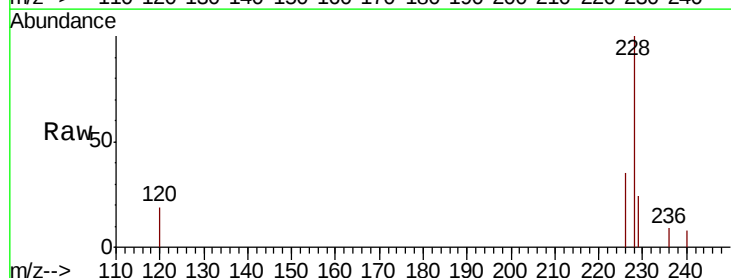
Tgt Ion:228 Resp: 1115

Ion Ratio Lower Upper

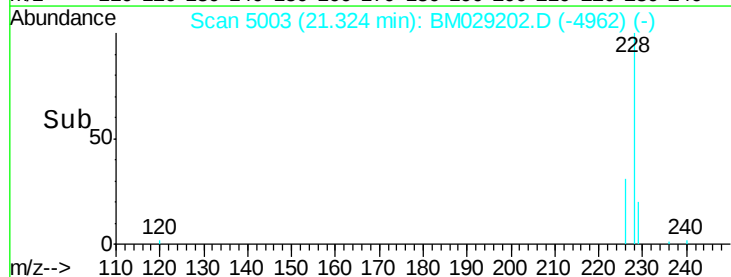
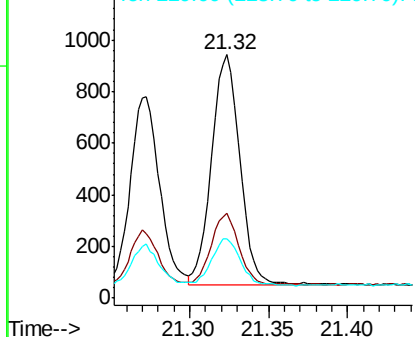
228 100

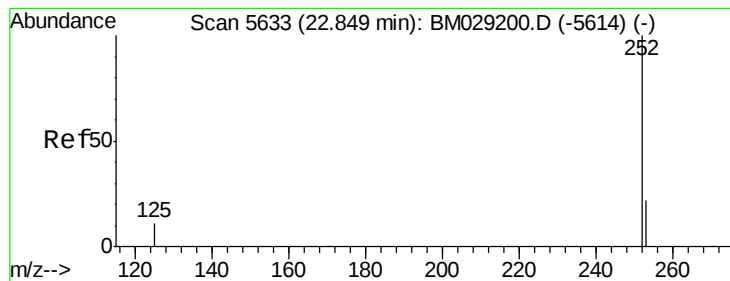
226 35.0 25.0 37.4

229 24.2 16.0 24.0#



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: 0.072 ng/ul

RT: 22.85 min Scan# 5632

Delta R.T. -0.00 min

Lab File: BM029202.D

Acq: 24 Mar 2021 10:27

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT2-2021-04

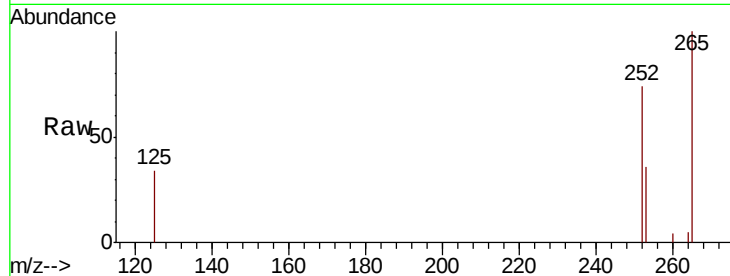
Tot Ion:252 Resp: 1332

Ion Ratio Lower Upper

252 100

253 49.0 0.0 52.4

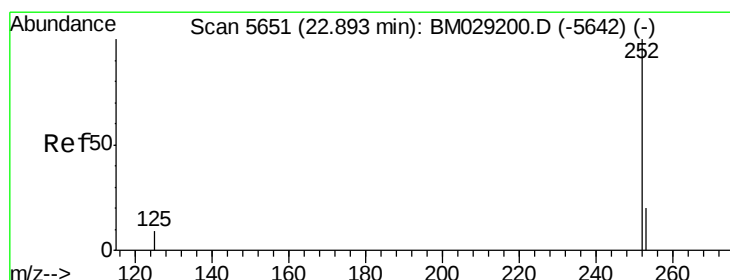
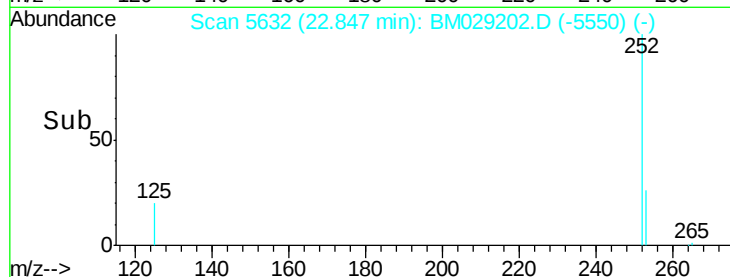
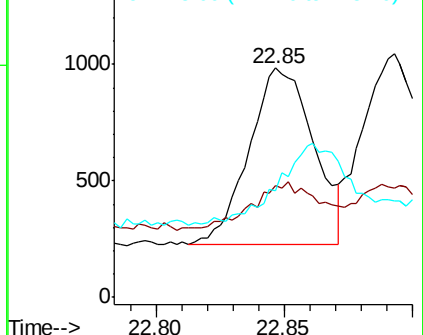
125 46.4 0.0 31.0#



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: 0.071 ng/ul

RT: 22.89 min Scan# 5651

Delta R.T. 0.00 min

Lab File: BM029202.D

Acq: 24 Mar 2021 10:27

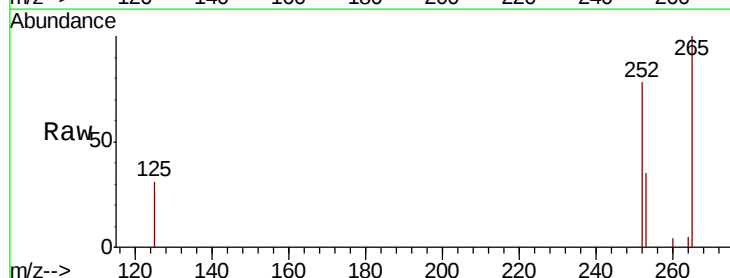
Tgt Ion:252 Resp: 1364

Ion Ratio Lower Upper

252 100

253 45.1 21.1 31.7#

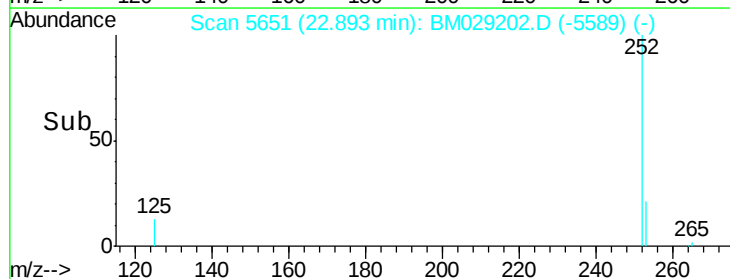
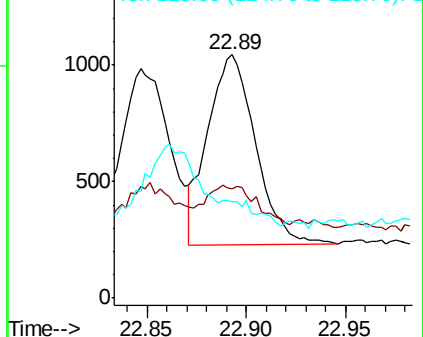
125 39.8 12.6 19.0#

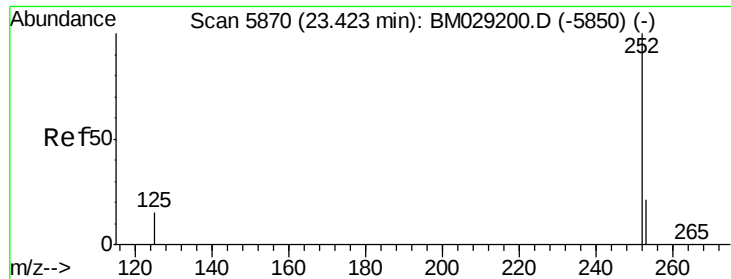


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.072 ng/ul

RT: 23.42 min Scan# 5870

Delta R.T. 0.00 min

Lab File: BM029202.D

Acq: 24 Mar 2021 10:27

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT2-2021-04

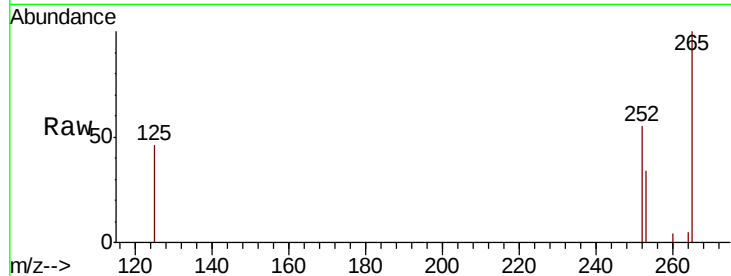
Tot Ion:252 Resp: 1079

Ion Ratio Lower Upper

252 100

253 61.3 22.6 33.8#

125 83.6 16.4 24.6#

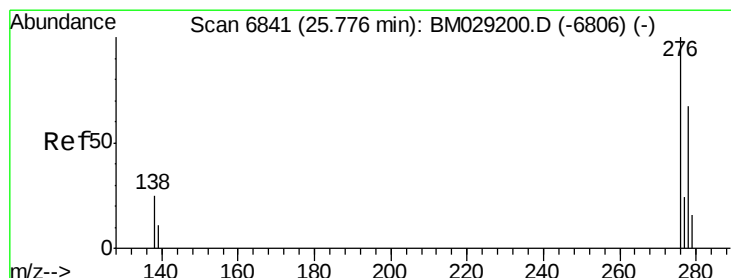
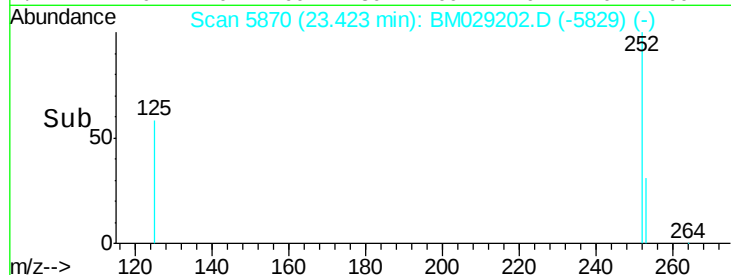
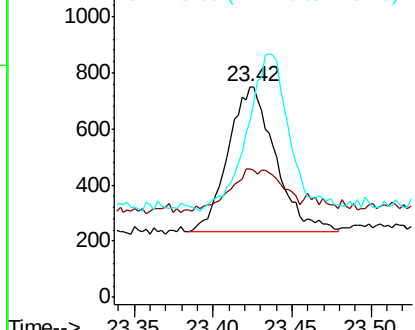


Abundance

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: 0.070 ng/ul

RT: 25.77 min Scan# 6840

Delta R.T. -0.00 min

Lab File: BM029202.D

Acq: 24 Mar 2021 10:27

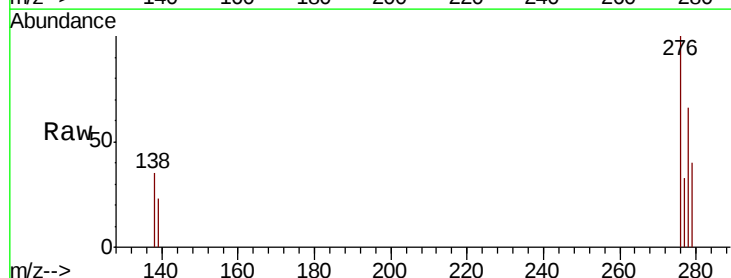
Tgt Ion:276 Resp: 1652

Ion Ratio Lower Upper

276 100

138 25.8 20.6 30.8

227 0.0 0.0 0.0

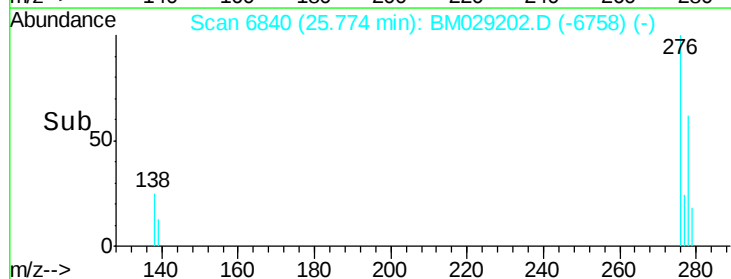
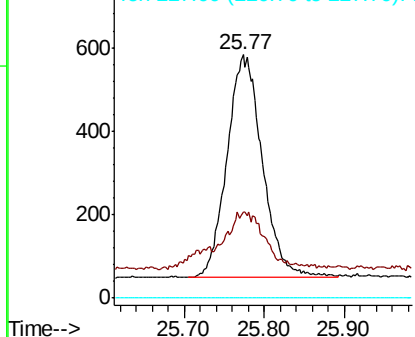


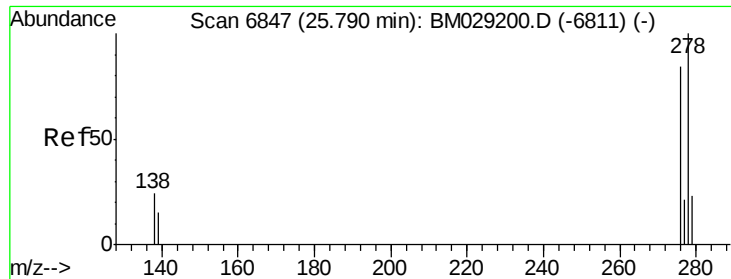
Abundance

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: 0.068 ng/u1

RT: 25.79 min Scan# 6847

Delta R.T. 0.00 min

Lab File: BM029202.D

Acq: 24 Mar 2021 10:27

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT2-2021-04

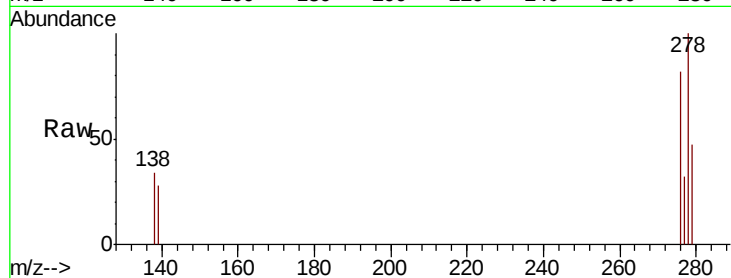
Tot Ion:278 Resp: 1348

Ion Ratio Lower Upper

278 100

139 28.1 13.6 20.4#

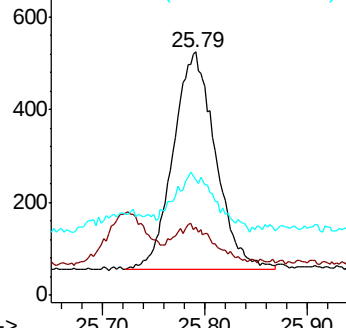
279 47.3 21.2 31.8#



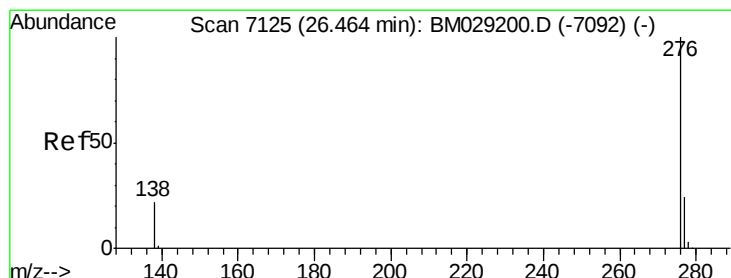
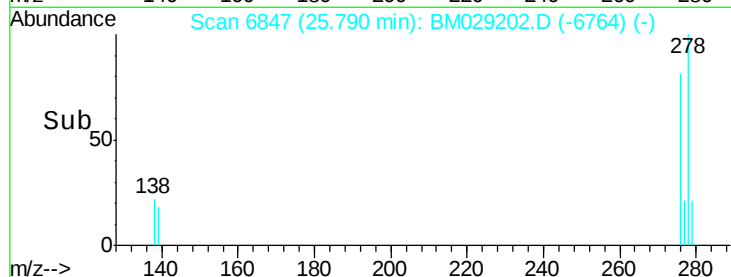
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#29

Benzo(g,h,i)perylene

Concen: 0.067 ng/u1

RT: 26.46 min Scan# 7125

Delta R.T. 0.00 min

Lab File: BM029202.D

Acq: 24 Mar 2021 10:27

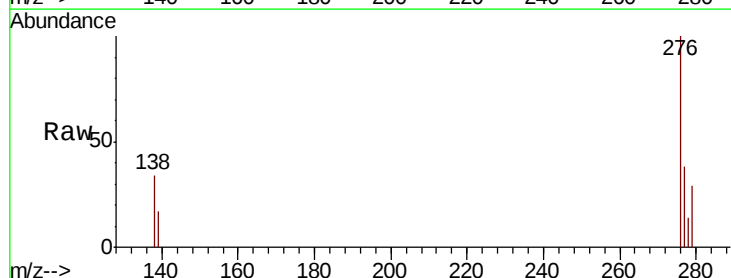
Tgt Ion:276 Resp: 1279

Ion Ratio Lower Upper

276 100

138 34.4 19.3 28.9#

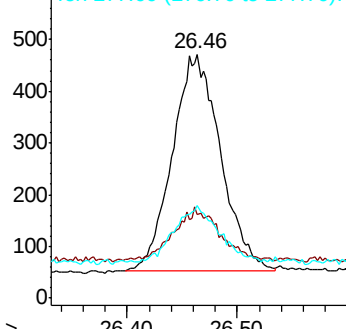
277 38.0 19.8 29.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->

