

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081820\
 Data File : BM027125.D
 Acq On : 18 Aug 2020 14:18
 Operator : JU/CG
 Sample : L1955-08
 Misc : MDL-W-01-0.07PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-01

Quant Time: Aug 18 15:26:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM081720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 18 11:17:38 2020
 Response via : Initial Calibration

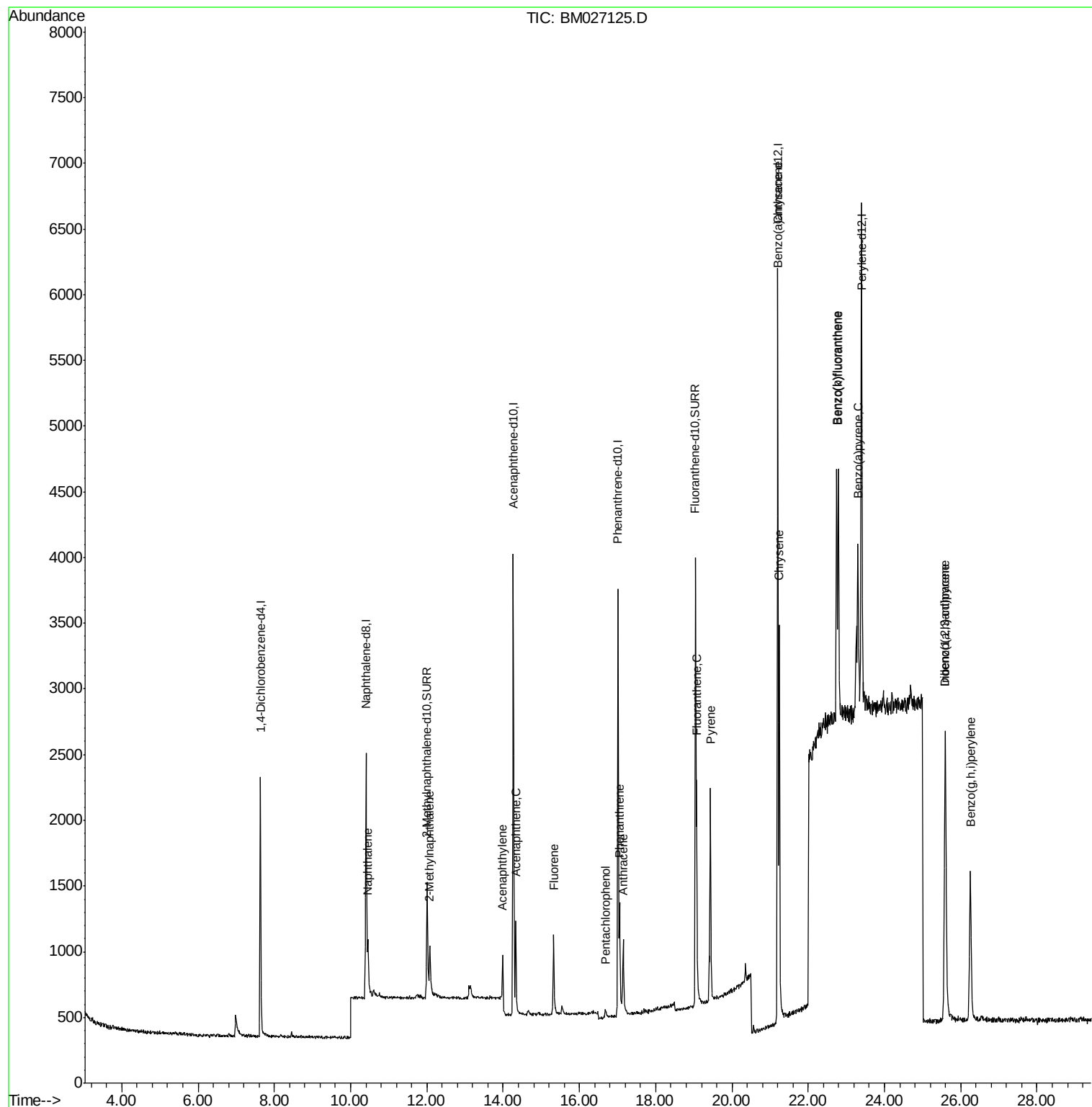
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	1076	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	3301	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	2130	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	4873	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	5220	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	5193	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1738	0.31	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	4564	0.33	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.45	128	538	0.054	ng/ul#	67
5) 2-Methylnaphthalene	12.08	142	342	0.051	ng/ul	97
7) Acenaphthylene	13.99	152	446	0.048	ng/ul#	80
8) Acenaphthene	14.33	153	411	0.051	ng/ul	96
9) Fluorene	15.32	166	510	0.053	ng/ul#	96
11) Pentachlorophenol	16.68	266	73	0.045	ng/ul	93
12) Phenanthrene	17.05	178	881	0.053	ng/ul#	83
13) Anthracene	17.15	178	724	0.048	ng/ul#	79
15) Fluoranthene	19.07	202	1541	0.078	ng/ul	91
17) Pyrene	19.44	202	1654	0.074	ng/ul#	92
18) Benzo(a)anthracene	21.19	228	2145	0.103	ng/ul	97
19) Chrysene	21.24	228	2721	0.121	ng/ul	98
21) Benzo(b)fluoranthene	22.75	252	2590	0.116	ng/ul	80
22) Benzo(k)fluoranthene	22.79	252	2714	0.117	ng/ul#	82
23) Benzo(a)pyrene	23.30	252	2261	0.112	ng/ul#	72
24) Indeno(1,2,3-cd)pyrene	25.58	276	3084	0.111	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.60	278	2514	0.111	ng/ul#	81
26) Benzo(g,h,i)perylene	26.25	276	2696	0.112	ng/ul#	90

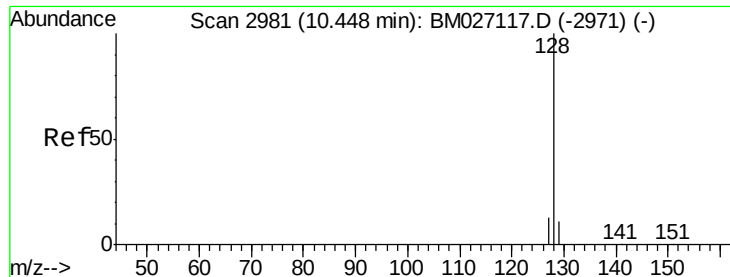
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.054 ng/ul

RT: 10.45 min Scan# 2982

Delta R.T. 0.00 min

Lab File: BM027125.D

Acq: 18 Aug 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-01

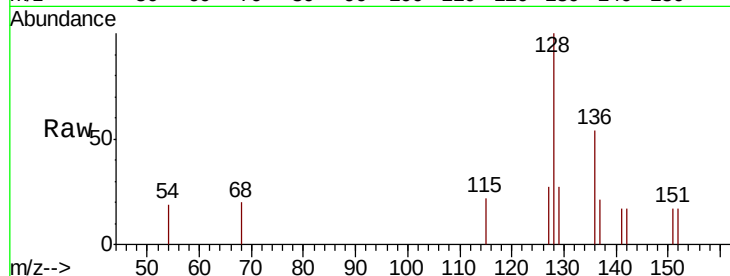
Tot Ion:128 Resp: 538

Ion Ratio Lower Upper

128 100

129 27.0 10.1 15.1#

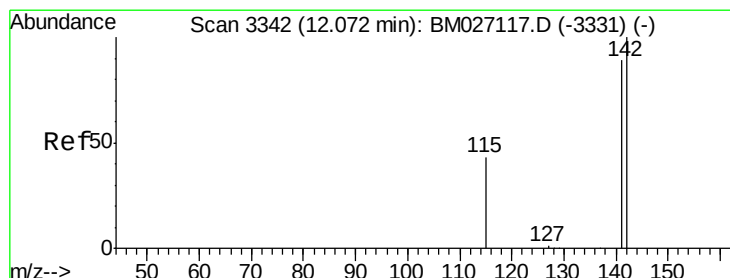
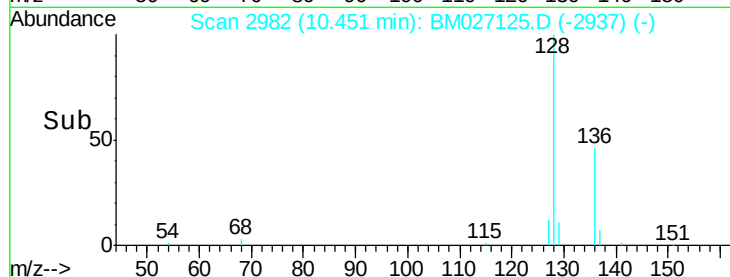
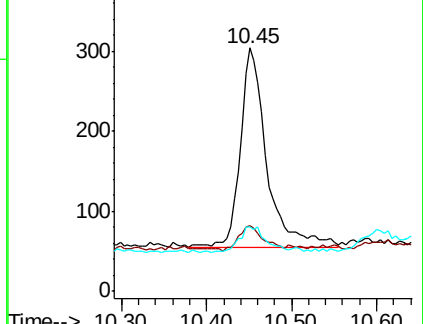
127 26.6 11.6 17.4#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.051 ng/ul

RT: 12.08 min Scan# 3344

Delta R.T. 0.01 min

Lab File: BM027125.D

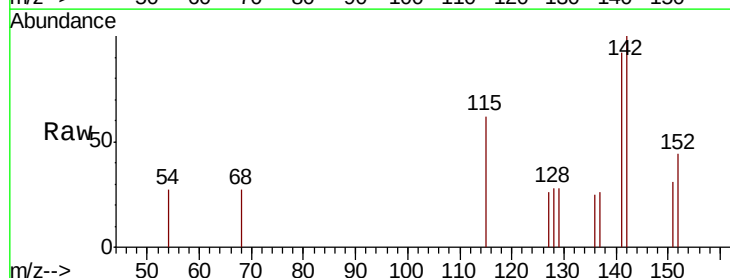
Acq: 18 Aug 2020 14:18

Tgt Ion:142 Resp: 342

Ion Ratio Lower Upper

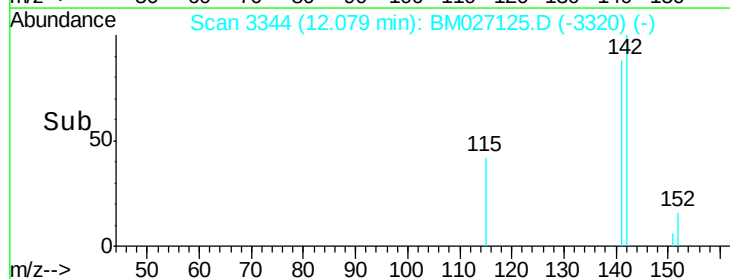
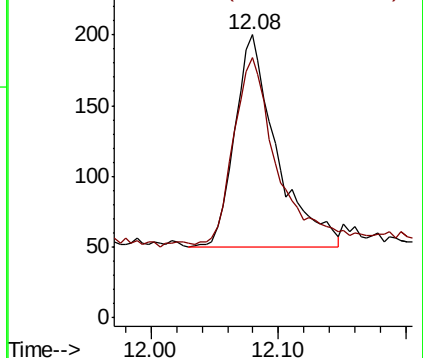
142 100

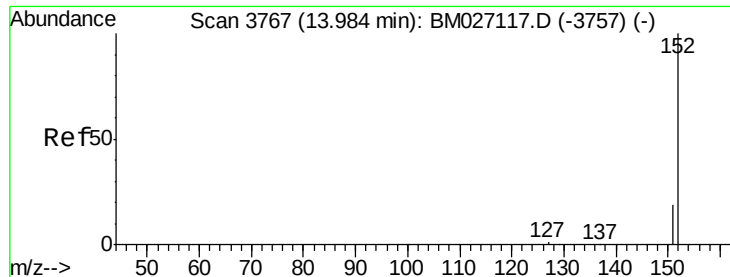
141 94.2 72.9 109.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.048 ng/ul

RT: 13.99 min Scan# 3768

Delta R.T. 0.00 min

Lab File: BM027125.D

Acq: 18 Aug 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-01

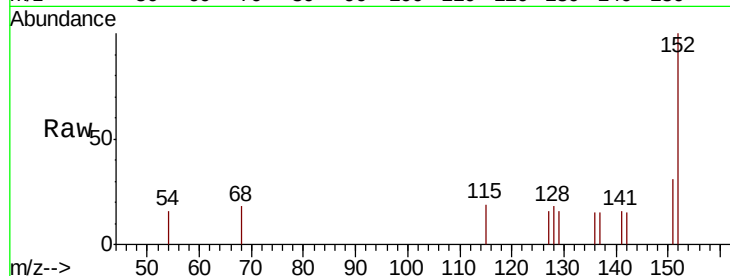
Tot Ion:152 Resp: 446

Ion Ratio Lower Upper

152 100

151 30.5 16.9 25.3#

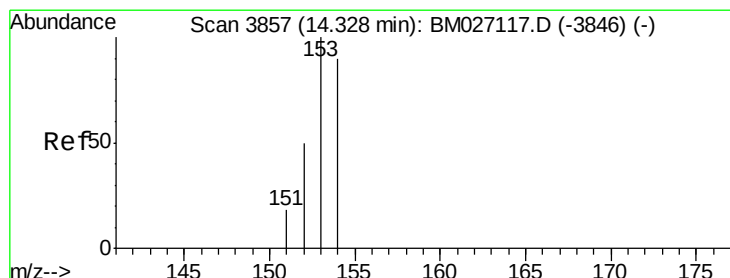
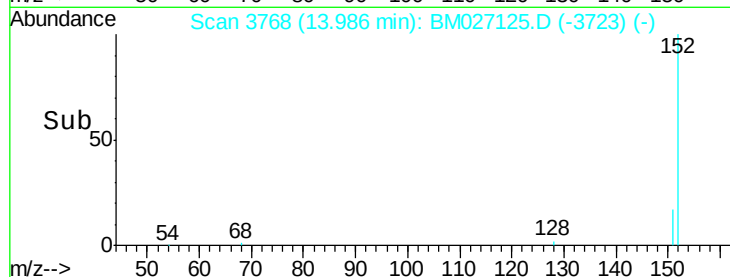
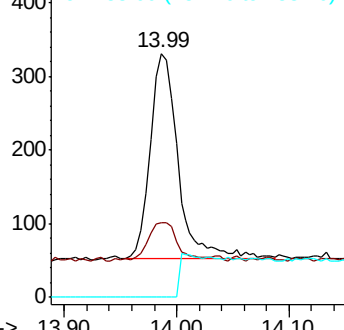
153 0.0 0.0 0.0



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



#8

Acenaphthene

Concen: 0.051 ng/ul

RT: 14.33 min Scan# 3858

Delta R.T. 0.00 min

Lab File: BM027125.D

Acq: 18 Aug 2020 14:18

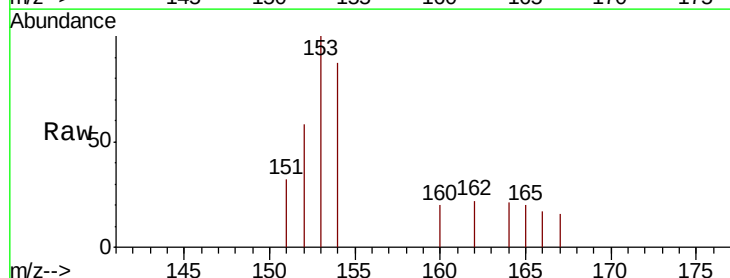
Tgt Ion:153 Resp: 411

Ion Ratio Lower Upper

153 100

152 57.8 40.9 61.3

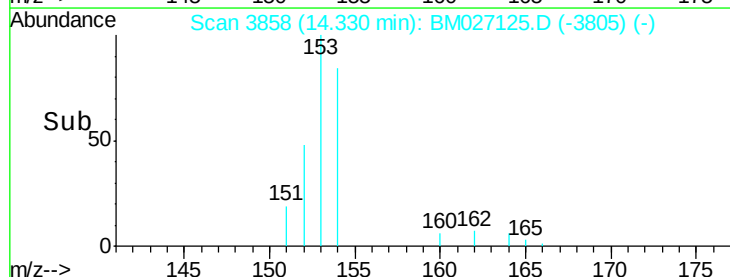
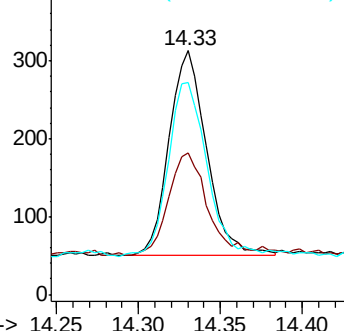
154 86.9 70.0 105.0

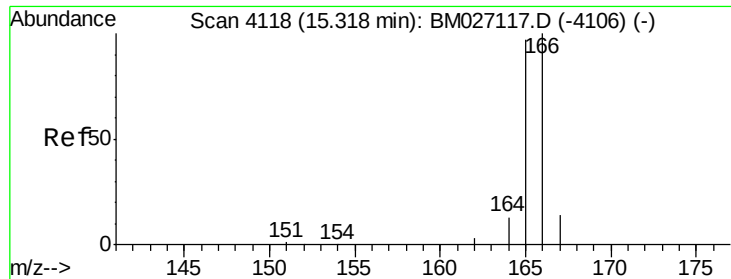


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

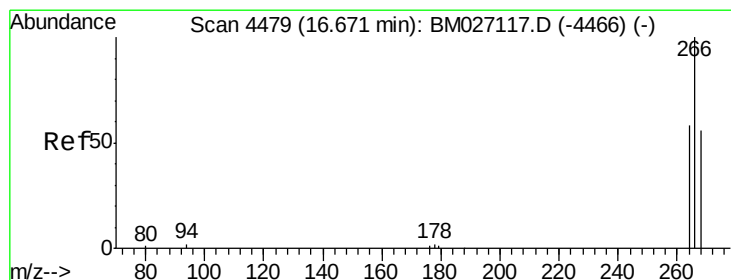
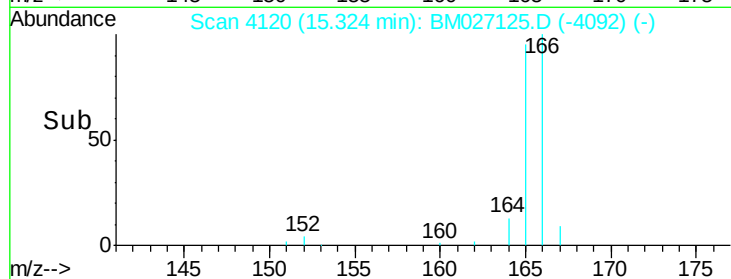
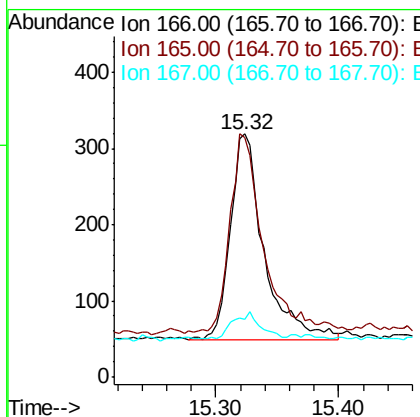
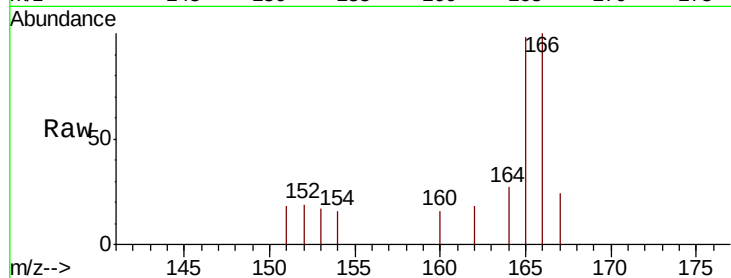




#9
Fluorene
 Concen: 0.053 ng/ul
 RT: 15.32 min Scan# 4120
 Delta R.T. 0.01 min
 Lab File: BM027125.D
 Acq: 18 Aug 2020 14:18

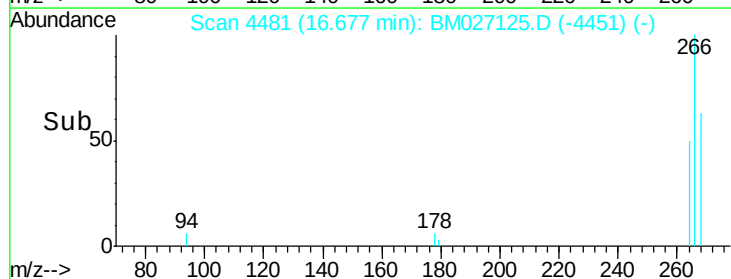
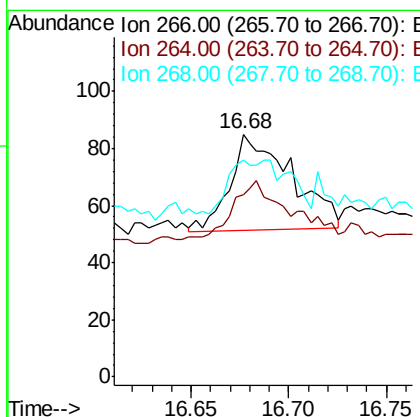
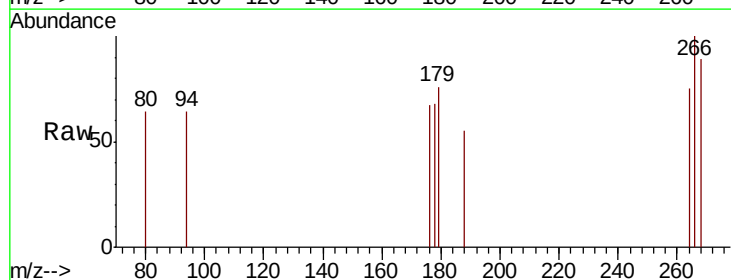
Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-01

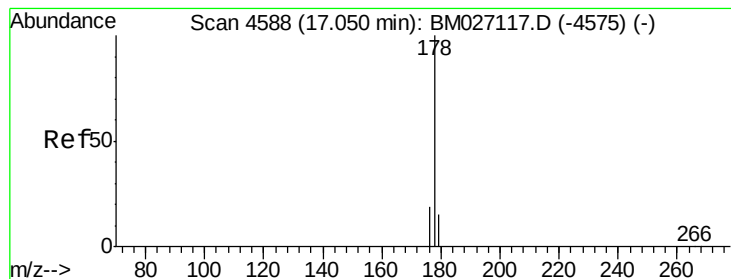
Tot Ion:166 Resp: 510
 Ion Ratio Lower Upper
 166 100
 165 98.4 79.8 119.6
 167 23.5 12.1 18.1#



#11
Pentachlorophenol
 Concen: 0.045 ng/ul
 RT: 16.68 min Scan# 4481
 Delta R.T. 0.01 min
 Lab File: BM027125.D
 Acq: 18 Aug 2020 14:18

Tgt Ion:266 Resp: 73
 Ion Ratio Lower Upper
 266 100
 264 64.4 47.8 71.8
 268 54.8 48.5 72.7





#12

Phenanthrene

Concen: 0.053 ng/ul

RT: 17.05 min Scan# 4589

Delta R.T. 0.00 min

Lab File: BM027125.D

Acq: 18 Aug 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-01

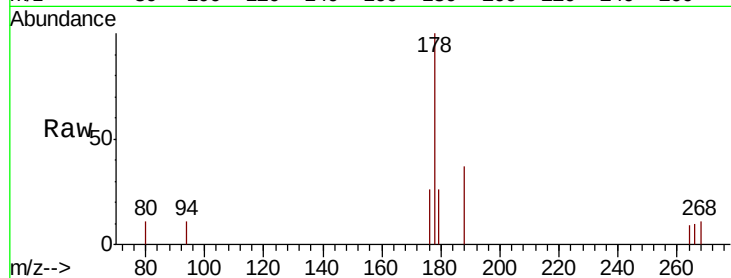
Tot Ion:178 Resp: 881

Ion Ratio Lower Upper

178 100

179 26.2 13.4 20.2#

176 26.2 16.0 24.0#



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

17.05

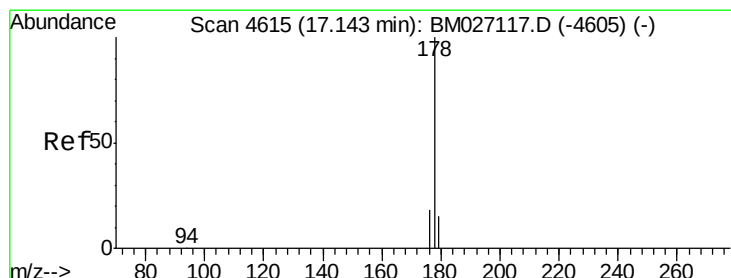
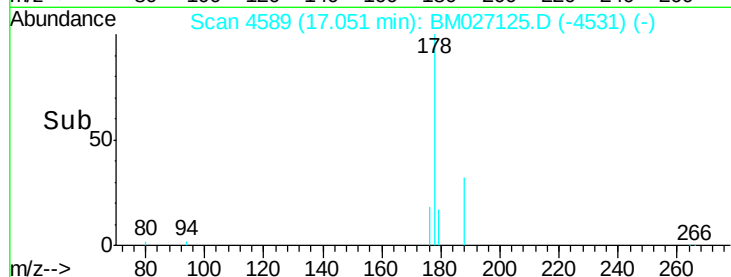
600

400

200

0

Time-->



#13

Anthracene

Concen: 0.048 ng/ul

RT: 17.15 min Scan# 4617

Delta R.T. 0.01 min

Lab File: BM027125.D

Acq: 18 Aug 2020 14:18

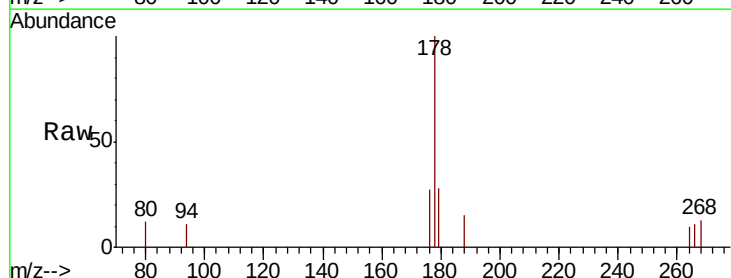
Tgt Ion:178 Resp: 724

Ion Ratio Lower Upper

178 100

179 28.3 13.7 20.5#

176 27.3 15.5 23.3#



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

17.15

600

500

400

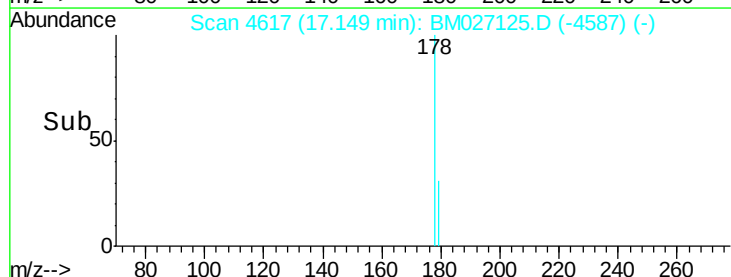
300

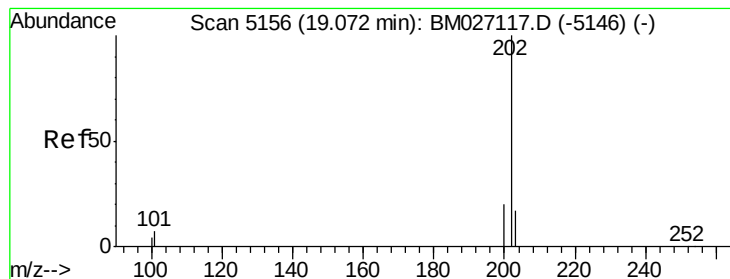
200

100

0

Time-->





#15

Fluoranthene

Concen: 0.078 ng/ul

RT: 19.07 min Scan# 5157

Delta R.T. 0.00 min

Lab File: BM027125.D

Acq: 18 Aug 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-01

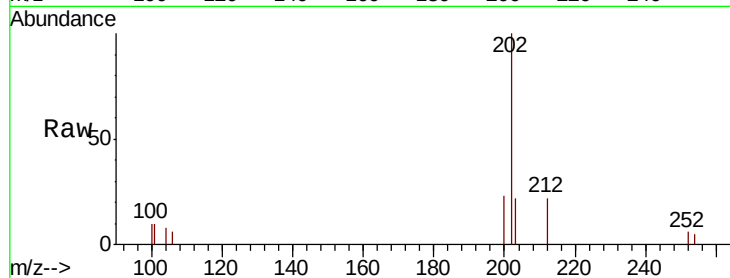
Tot Ion:202 Resp: 1541

Ion Ratio Lower Upper

202 100

101 9.8 0.0 27.1

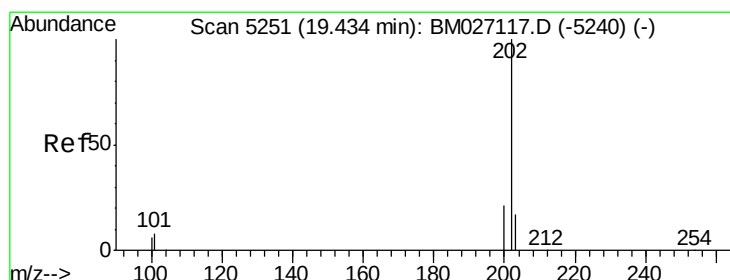
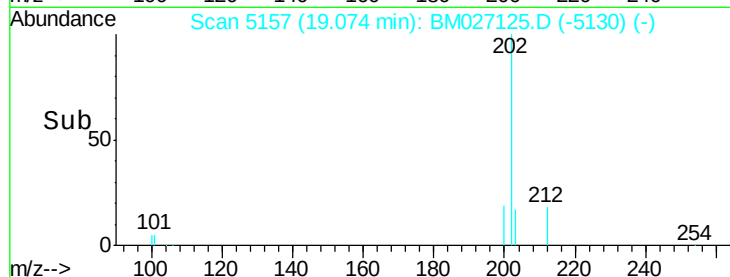
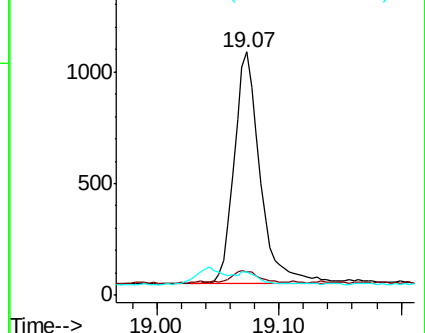
100 9.6 0.0 25.7



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



#17

Pyrene

Concen: 0.074 ng/ul

RT: 19.44 min Scan# 5252

Delta R.T. 0.00 min

Lab File: BM027125.D

Acq: 18 Aug 2020 14:18

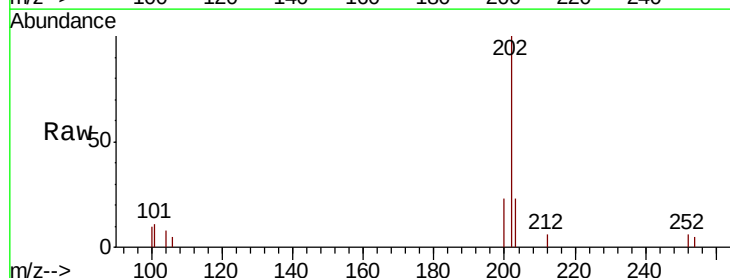
Tgt Ion:202 Resp: 1654

Ion Ratio Lower Upper

202 100

101 11.0 6.6 9.8#

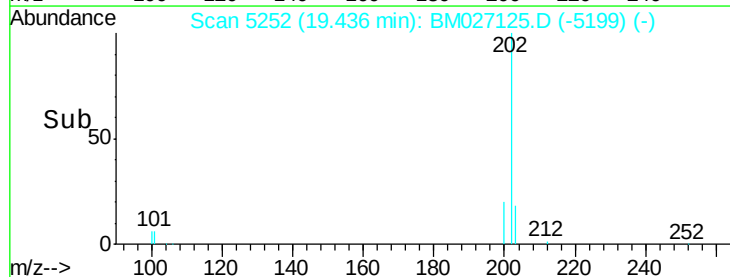
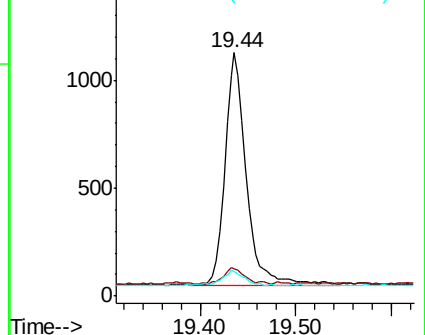
100 10.0 5.6 8.4#

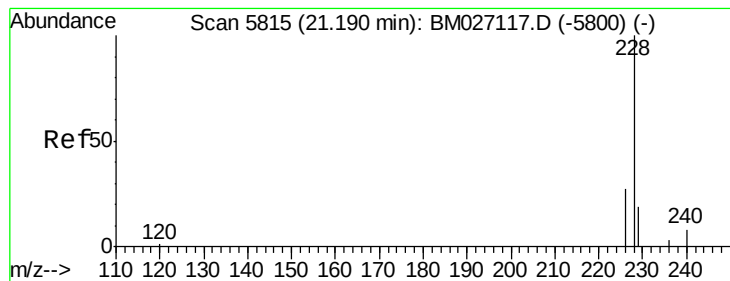


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.103 ng/ul

RT: 21.19 min Scan# 5816

Delta R.T. 0.00 min

Lab File: BM027125.D

Acq: 18 Aug 2020 14:18

Instrument :

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MDL-WATER-01

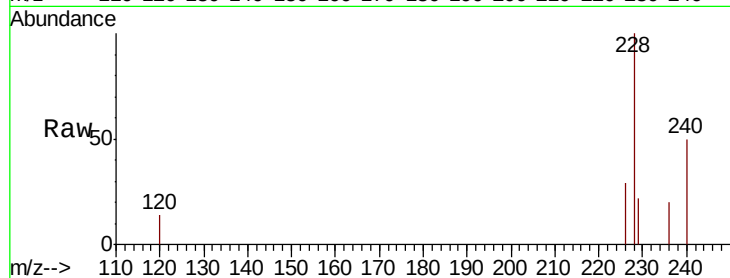
Tot Ion:228 Resp: 2145

Ion Ratio Lower Upper

228 100

229 22.1 16.2 24.4

226 28.9 22.4 33.6

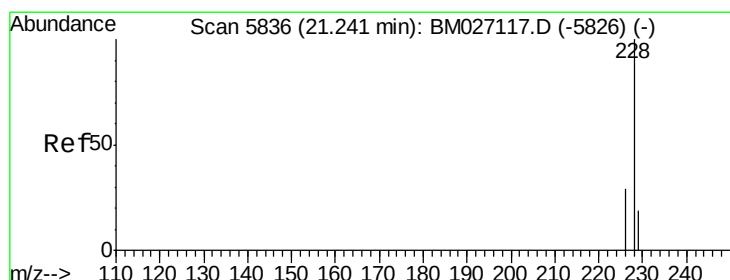
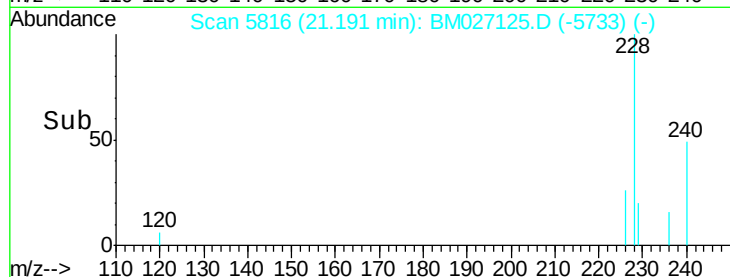
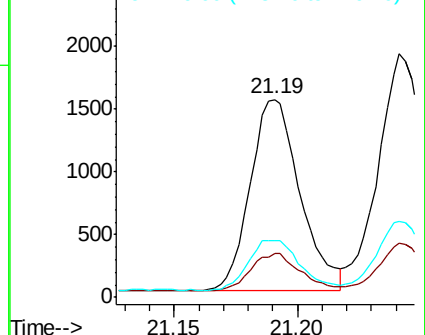


Abundance

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



#19

Chrysene

Concen: 0.121 ng/ul

RT: 21.24 min Scan# 5837

Delta R.T. 0.00 min

Lab File: BM027125.D

Acq: 18 Aug 2020 14:18

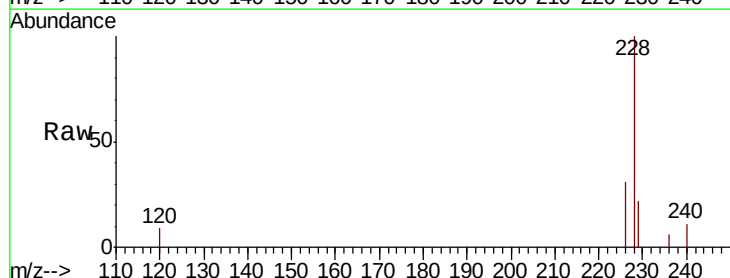
Tgt Ion:228 Resp: 2721

Ion Ratio Lower Upper

228 100

226 31.1 24.6 36.8

229 22.2 15.9 23.9

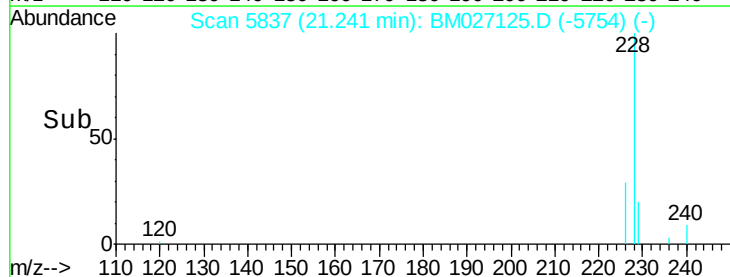
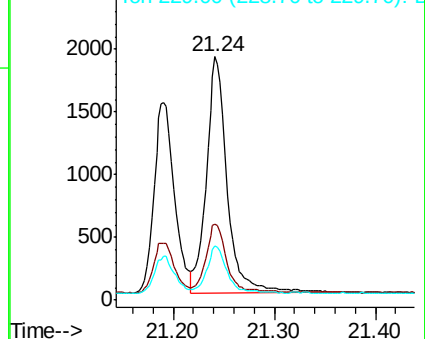


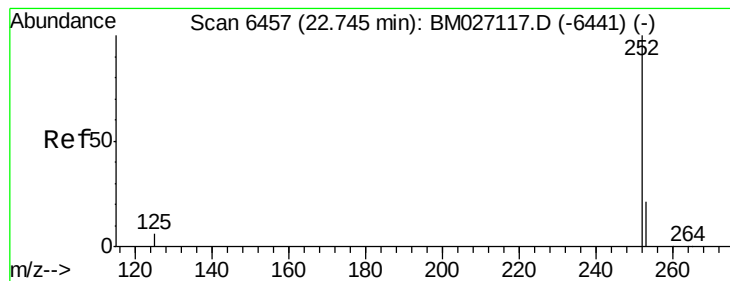
Abundance

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





#21

Benzo(b)fluoranthene

Concen: 0.116 ng/ul

RT: 22.75 min Scan# 6458

Delta R.T. 0.00 min

Lab File: BM027125.D

Acq: 18 Aug 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-01

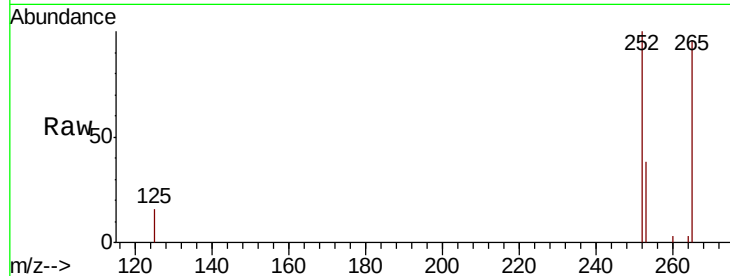
Tot Ion:252 Resp: 2590

Ion Ratio Lower Upper

252 100

253 38.1 0.0 54.0

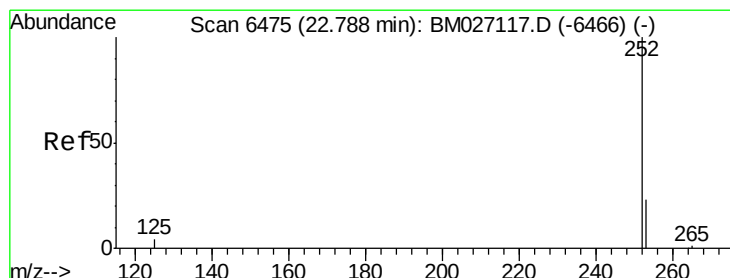
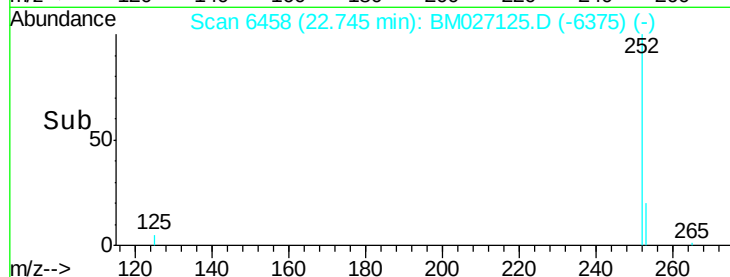
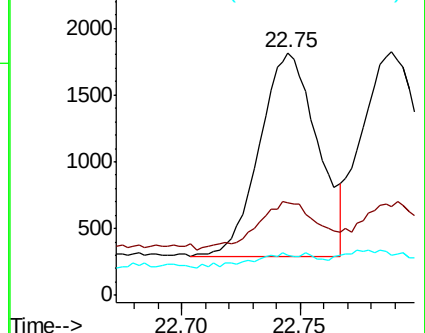
125 16.4 0.0 20.8



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



#22

Benzo(k)fluoranthene

Concen: 0.117 ng/ul

RT: 22.79 min Scan# 6476

Delta R.T. 0.00 min

Lab File: BM027125.D

Acq: 18 Aug 2020 14:18

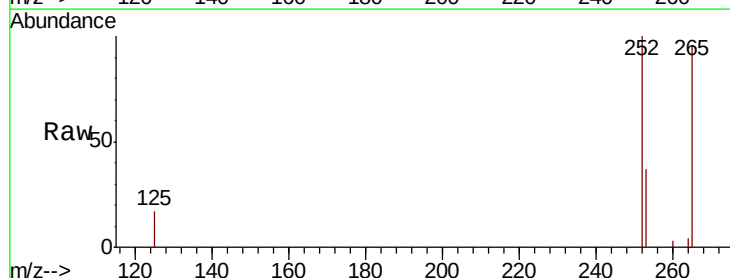
Tgt Ion:252 Resp: 2714

Ion Ratio Lower Upper

252 100

253 36.6 21.7 32.5#

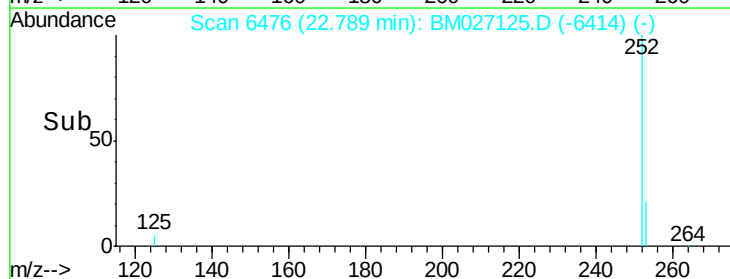
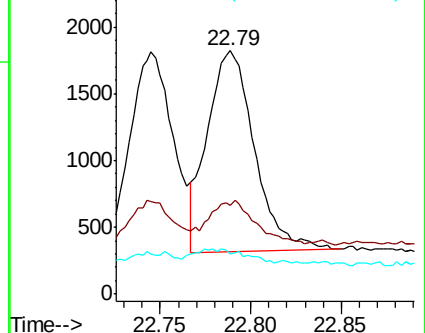
125 16.6 7.9 11.9#

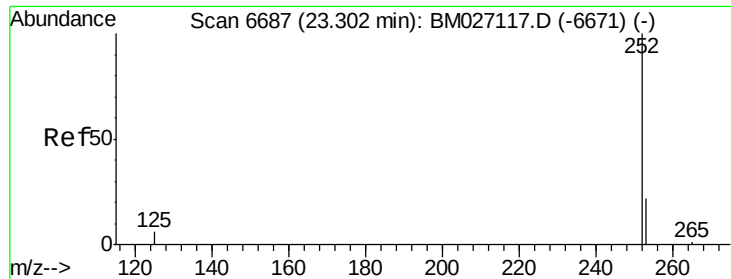


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.112 ng/ul

RT: 23.30 min Scan# 6688

Delta R.T. 0.00 min

Lab File: BM027125.D

Acq: 18 Aug 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-01

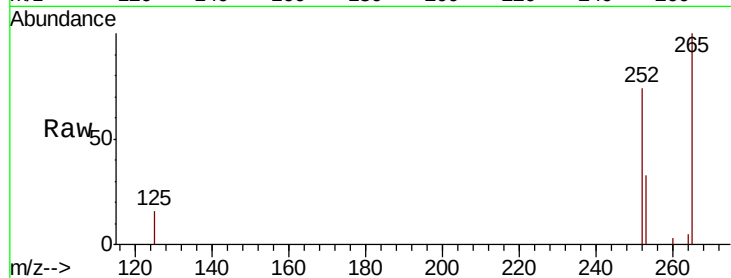
Tot Ion:252 Resp: 2261

Ion Ratio Lower Upper

252 100

253 44.8 23.4 35.0#

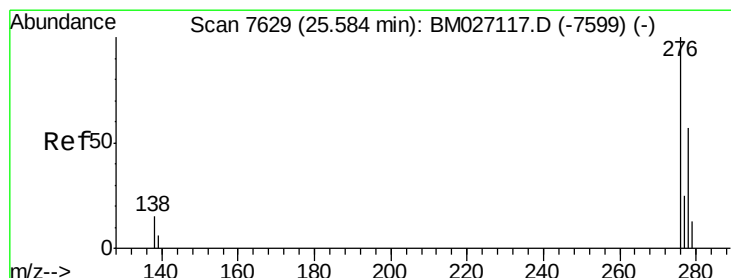
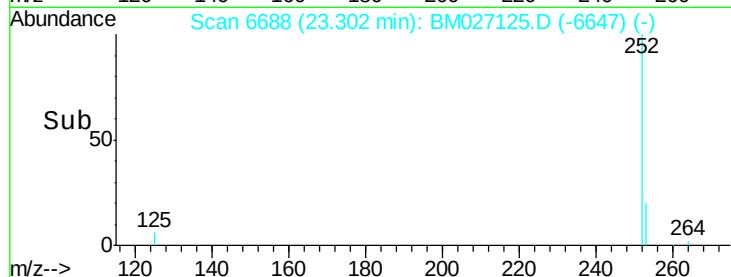
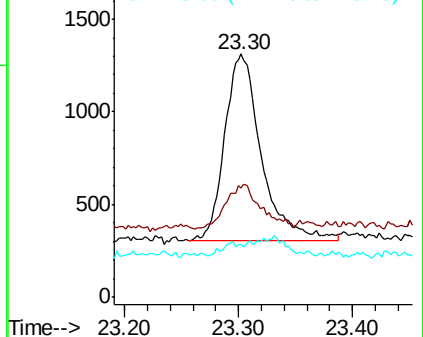
125 22.0 9.4 14.2#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.111 ng/ul

RT: 25.58 min Scan# 7630

Delta R.T. 0.00 min

Lab File: BM027125.D

Acq: 18 Aug 2020 14:18

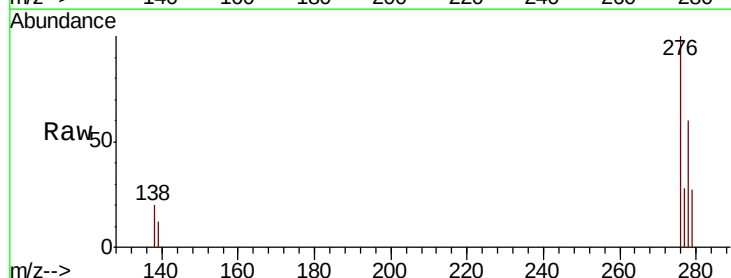
Tgt Ion:276 Resp: 3084

Ion Ratio Lower Upper

276 100

138 13.5 12.2 18.2

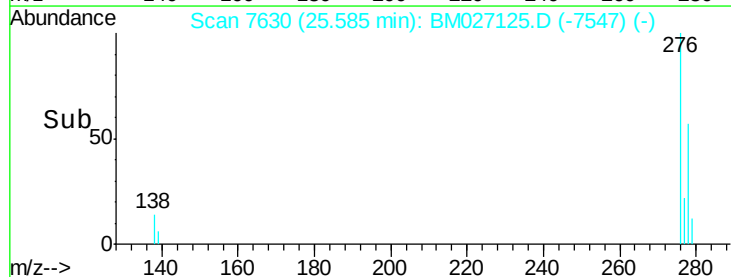
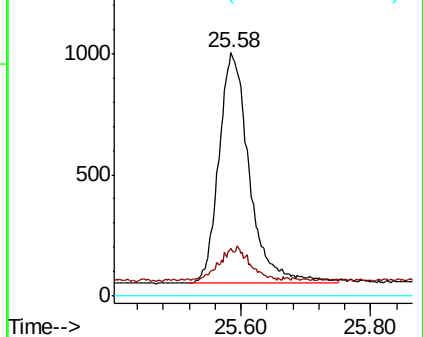
227 0.0 0.0 0.0

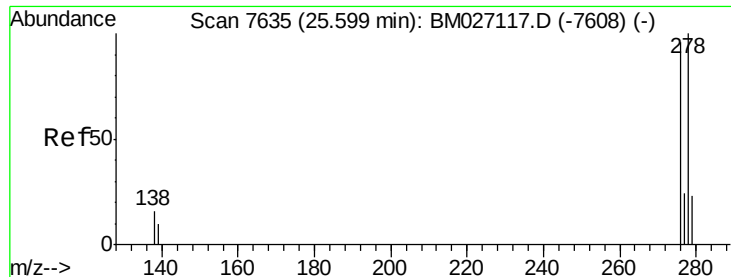


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

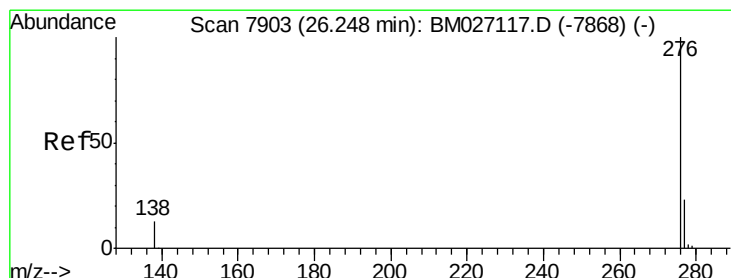
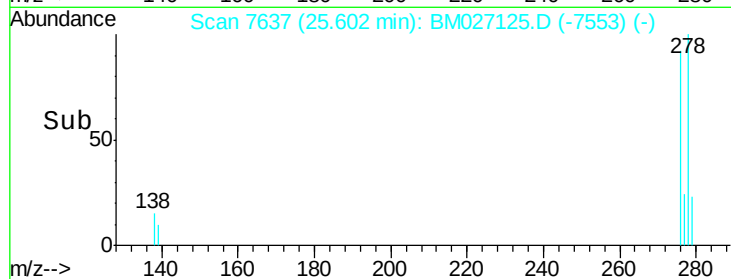
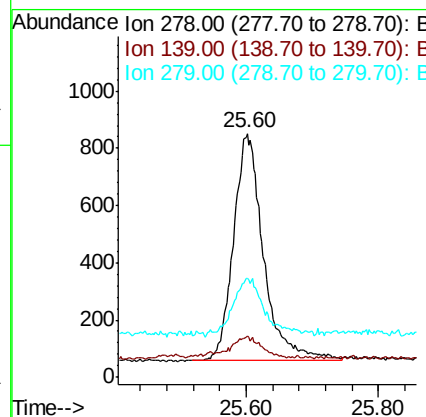
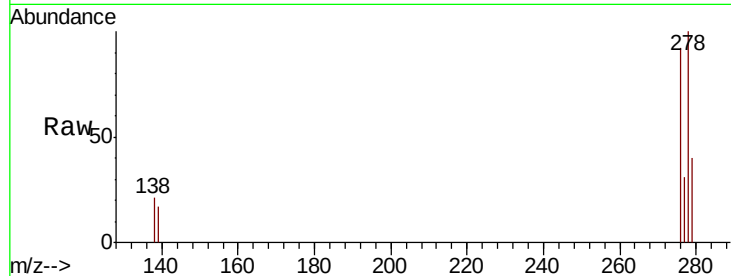




#25
Dibenzo(a,h)anthracene
Concen: 0.111 ng/ul
RT: 25.60 min Scan# 7637
Delta R.T. 0.00 min
Lab File: BM027125.D
Acq: 18 Aug 2020 14:18

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-01

Tot Ion:278 Resp: 2514
Ion Ratio Lower Upper
278 100
139 17.2 10.0 15.0#
279 40.4 22.9 34.3#



#26
Benzo(g,h,i)perylene
Concen: 0.112 ng/ul
RT: 26.25 min Scan# 7906
Delta R.T. 0.01 min
Lab File: BM027125.D
Acq: 18 Aug 2020 14:18

Tgt Ion:276 Resp: 2696
Ion Ratio Lower Upper
276 100
138 19.7 12.0 18.0#
277 30.6 20.9 31.3

