

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082020\
 Data File : BM027147.D
 Acq On : 20 Aug 2020 02:58
 Operator : JU/CG
 Sample : L1955-13
 Misc : MDL-W-06-0.07PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-06

Quant Time: Aug 20 06:57:16 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 : Thu Aug 20 06:55:50 2020
 Response via : Initial Calibration

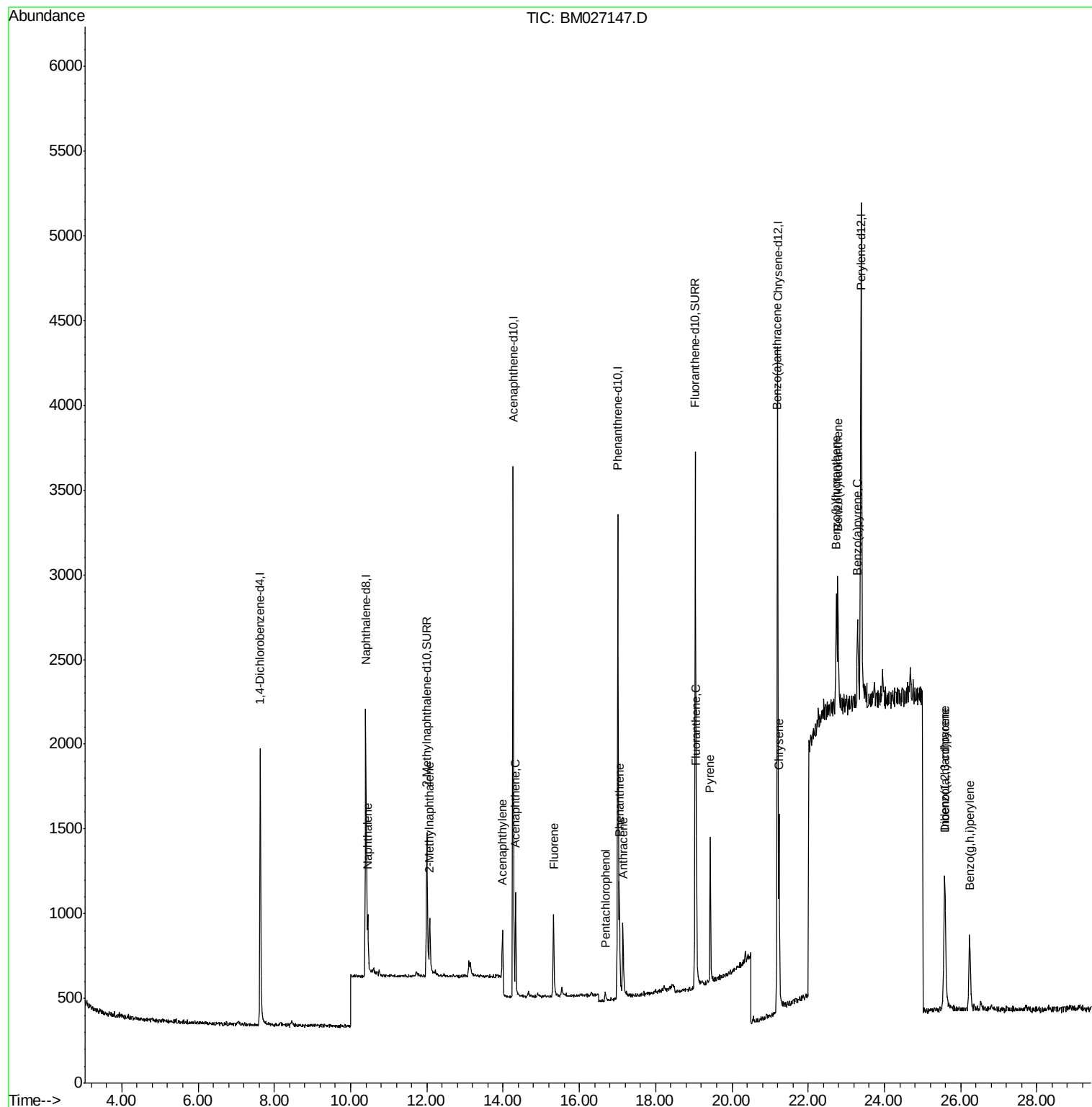
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	921	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	2763	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	1783	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	4102	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	3860	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	3982	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1506	0.32	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	4036	0.34	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.45	128	437	0.053	ng/ul#	61
5) 2-Methylnaphthalene	12.08	142	288	0.051	ng/ul	98
7) Acenaphthylene	13.98	152	406	0.052	ng/ul#	71
8) Acenaphthene	14.33	153	360	0.054	ng/ul	94
9) Fluorene	15.32	166	399	0.049	ng/ul#	90
11) Pentachlorophenol	16.68	266	61	0.045	ng/ul	96
12) Phenanthrene	17.05	178	710	0.051	ng/ul#	76
13) Anthracene	17.14	178	576	0.046	ng/ul#	70
15) Fluoranthene	19.07	202	898	0.054	ng/ul	83
17) Pyrene	19.43	202	876	0.053	ng/ul#	83
18) Benzo(a)anthracene	21.18	228	817	0.053	ng/ul#	91
19) Chrysene	21.23	228	966	0.058	ng/ul#	90
21) Benzo(b)fluoranthene	22.74	252	937	0.055	ng/ul#	54
22) Benzo(k)fluoranthene	22.78	252	1069	0.060	ng/ul#	50
23) Benzo(a)pyrene	23.29	252	774	0.050	ng/ul#	41
24) Indeno(1,2,3-cd)pyrene	25.57	276	1118	0.052	ng/ul#	65
25) Dibenzo(a,h)anthracene	25.59	278	888	0.051	ng/ul#	47
26) Benzo(g,h,i)perylene	26.23	276	963	0.052	ng/ul#	77

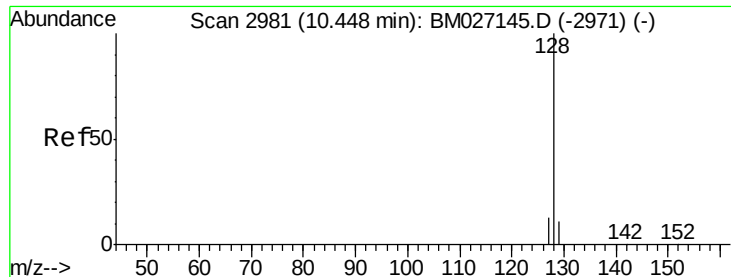
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.053 ng/ul

RT: 10.45 min Scan# 2981

Delta R.T. 0.00 min

Lab File: BM027147.D

Acq: 20 Aug 2020 02:58

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-06

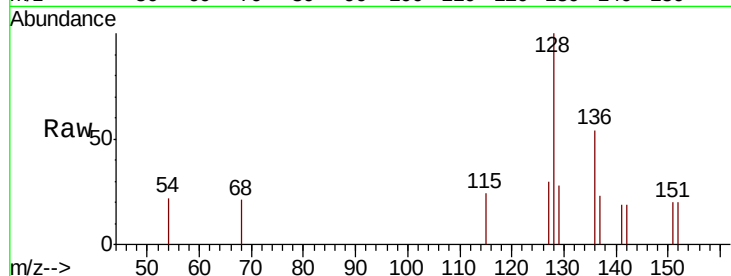
Tot Ion:128 Resp: 437

Ion Ratio Lower Upper

128 100

129 28.5 10.1 15.1#

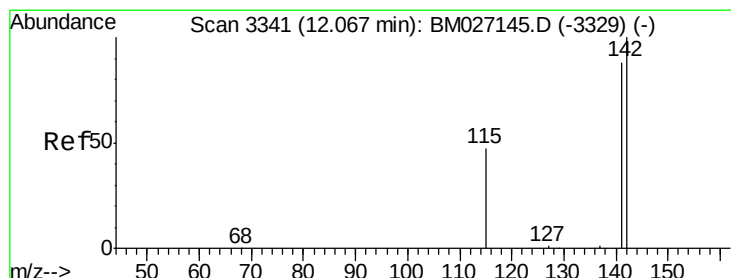
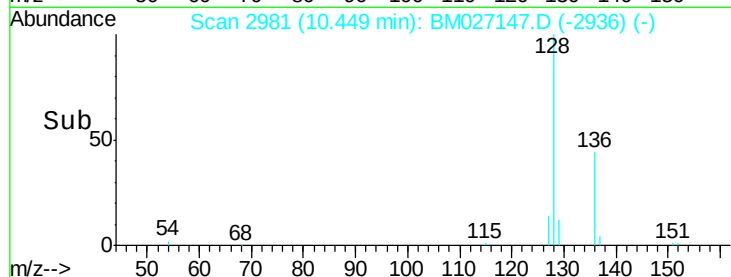
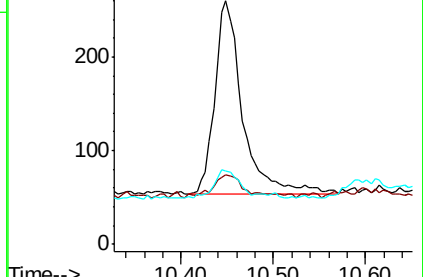
127 30.0 11.6 17.4#



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# 3343

Delta R.T. 0.01 min

Lab File: BM027147.D

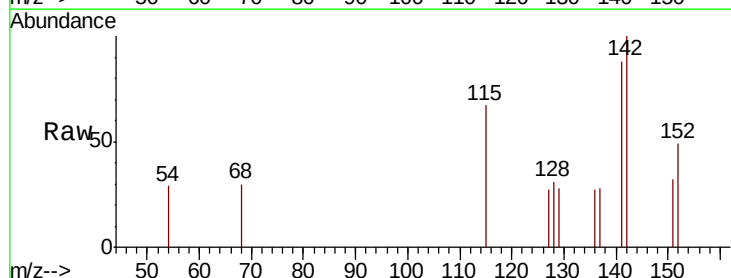
Acq: 20 Aug 2020 02:58

Tgt Ion:142 Resp: 288

Ion Ratio Lower Upper

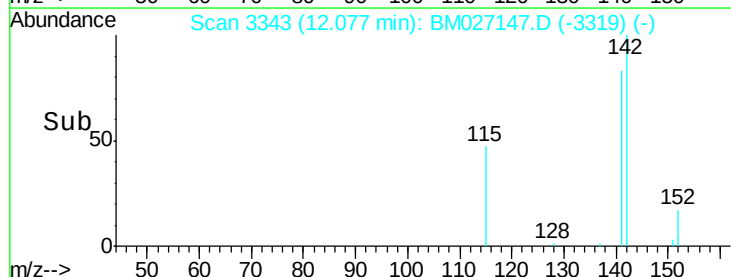
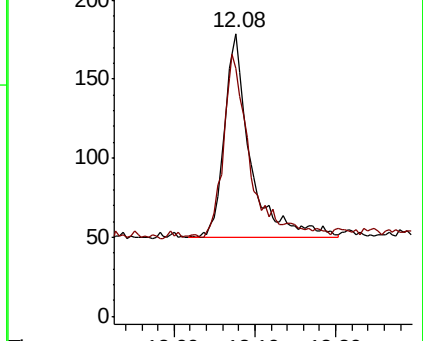
142 100

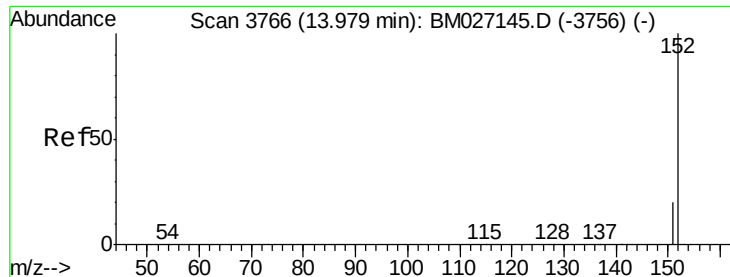
141 92.7 72.9 109.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.052 ng/ul

RT: 13.98 min Scan# 3767

Delta R.T. 0.00 min

Lab File: BM027147.D

Acq: 20 Aug 2020 02:58

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-06

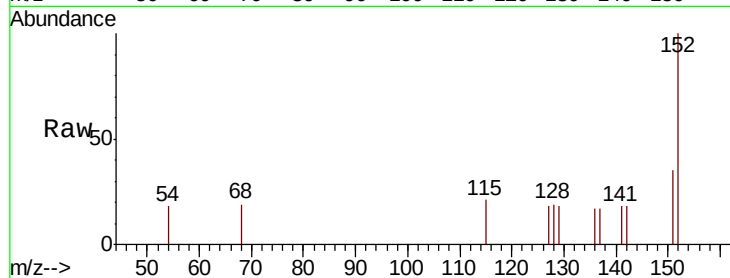
Tot Ion:152 Resp: 406

Ion Ratio Lower Upper

152 100

151 34.8 16.9 25.3#

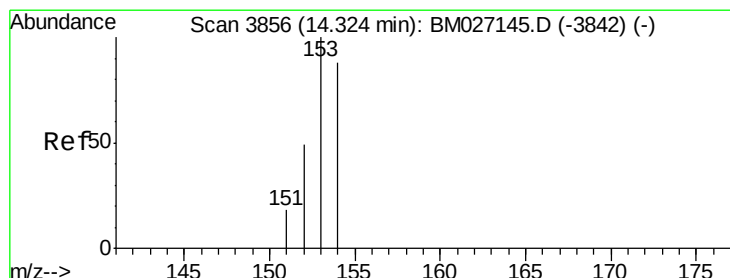
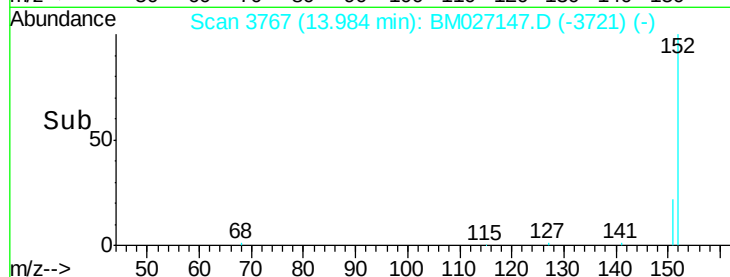
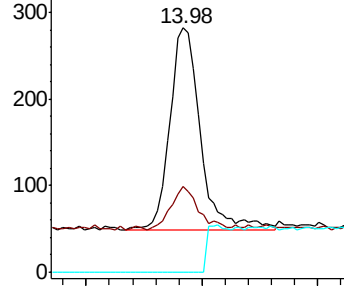
153 0.0 0.0 0.0



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: 0.054 ng/ul

RT: 14.33 min Scan# 3857

Delta R.T. 0.00 min

Lab File: BM027147.D

Acq: 20 Aug 2020 02:58

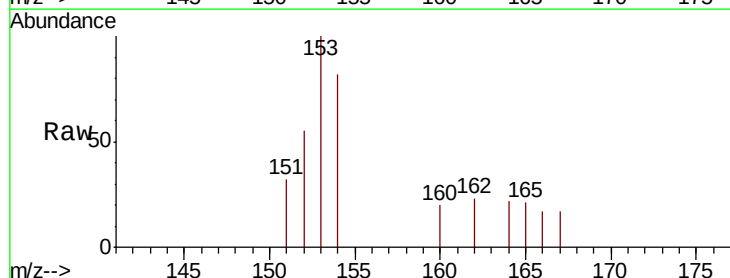
Tgt Ion:153 Resp: 360

Ion Ratio Lower Upper

153 100

152 54.9 40.9 61.3

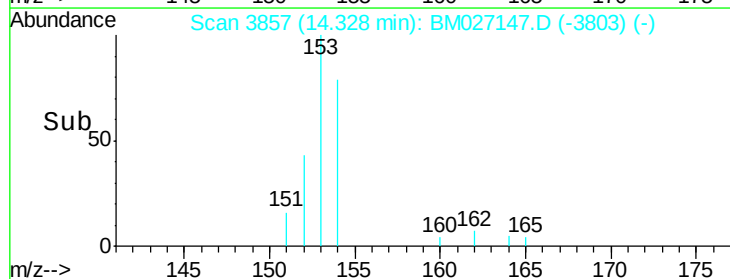
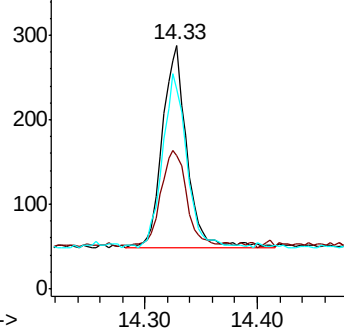
154 81.9 70.0 105.0

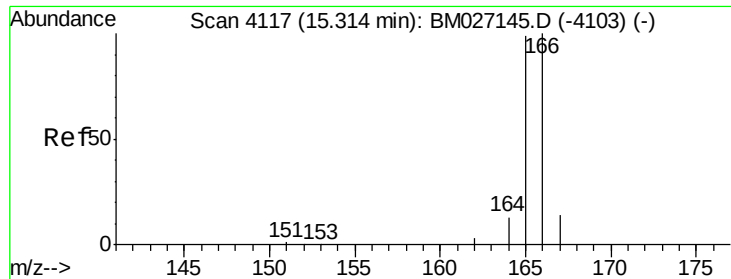


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.049 ng/ul

RT: 15.32 min Scan# 4119

Delta R.T. 0.01 min

Lab File: BM027147.D

Acq: 20 Aug 2020 02:58

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-06

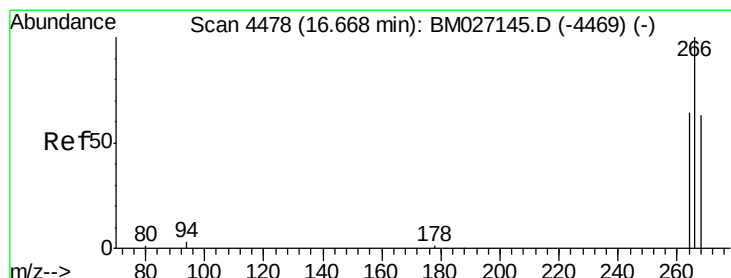
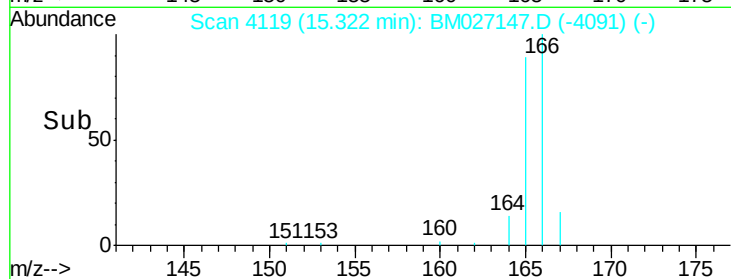
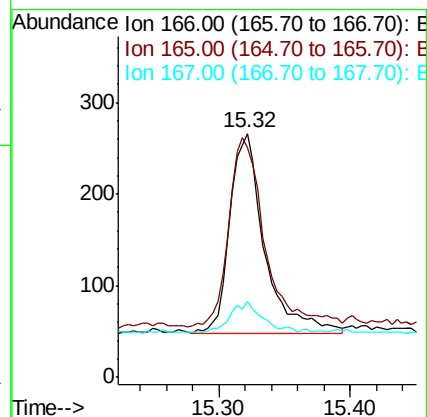
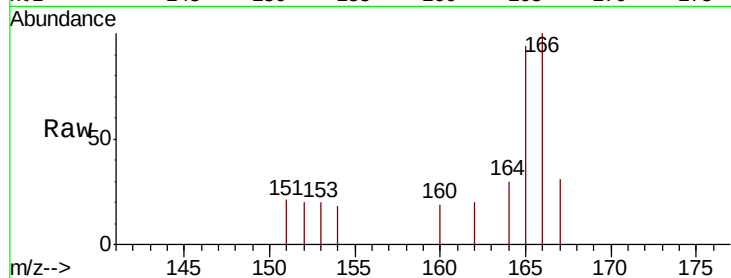
Tot Ion:166 Resp: 399

Ion Ratio Lower Upper

166 100

165 94.0 79.8 119.6

167 31.2 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: BM027147.D

Acq: 20 Aug 2020 02:58

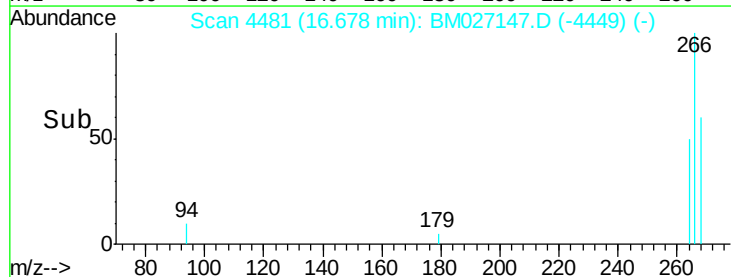
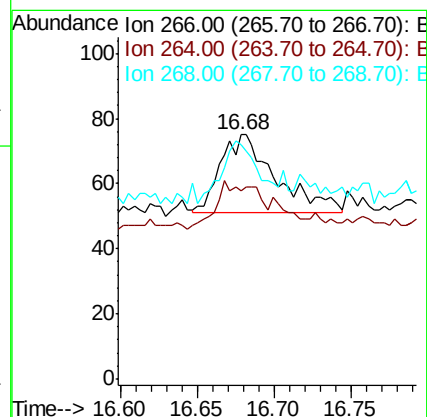
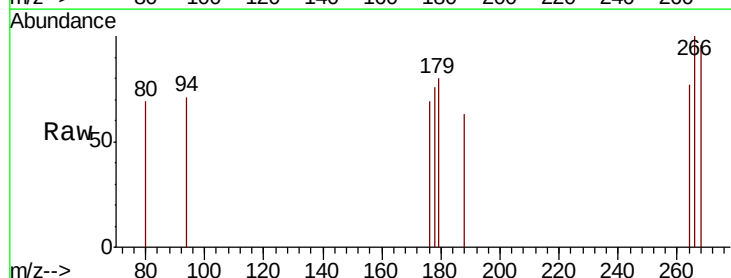
Tgt Ion:266 Resp: 61

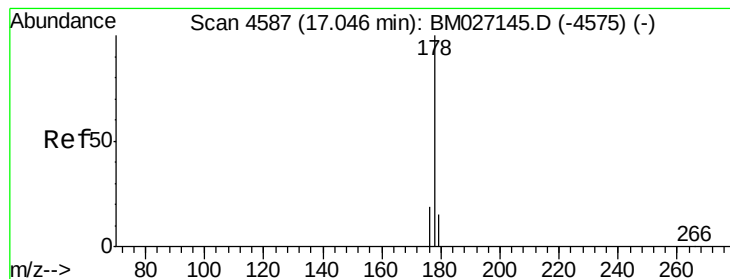
Ion Ratio Lower Upper

266 100

264 57.4 47.8 71.8

268 57.4 48.5 72.7





#12

Phenanthrene

Concen: 0.051 ng/ul

RT: 17.05 min Scan# 4588

Delta R.T. 0.00 min

Lab File: BM027147.D

Acq: 20 Aug 2020 02:58

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-06

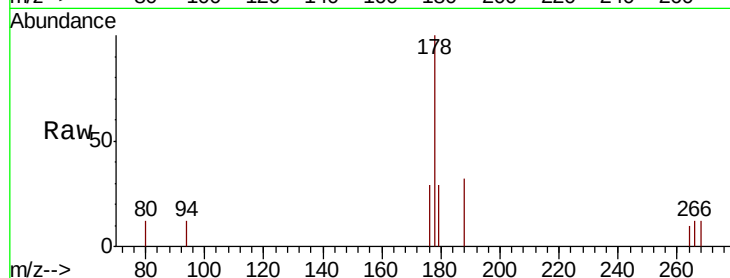
Tot Ion:178 Resp: 710

Ion Ratio Lower Upper

178 100

179 29.2 13.4 20.2#

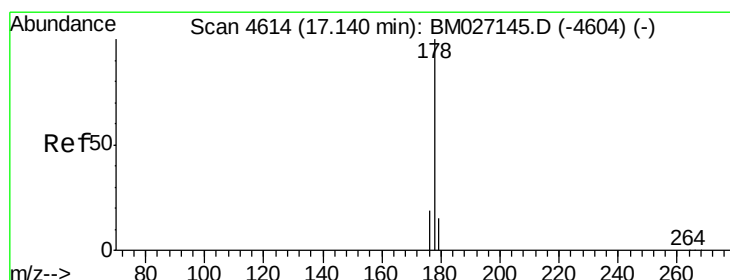
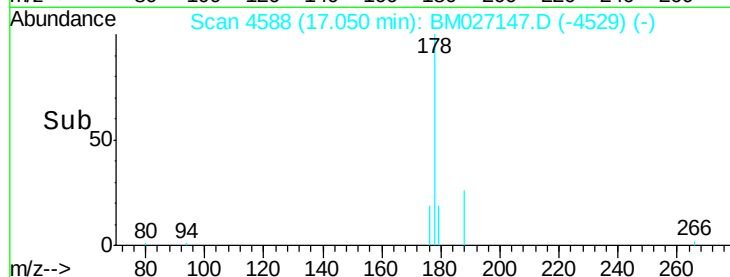
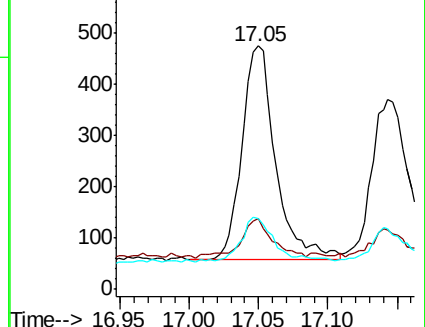
176 29.0 16.0 24.0#



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



#13

Anthracene

Concen: 0.046 ng/ul

RT: 17.14 min Scan# 4615

Delta R.T. 0.00 min

Lab File: BM027147.D

Acq: 20 Aug 2020 02:58

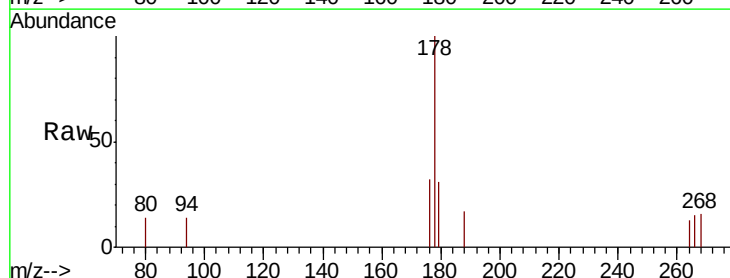
Tgt Ion:178 Resp: 576

Ion Ratio Lower Upper

178 100

179 31.5 13.7 20.5#

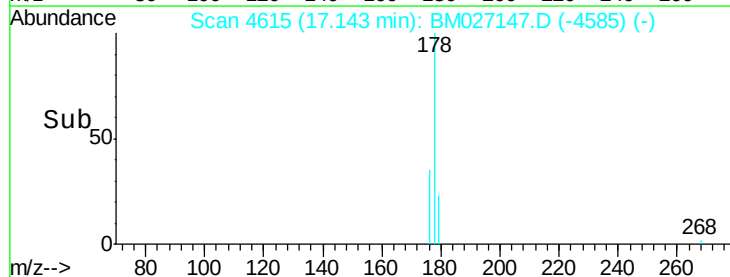
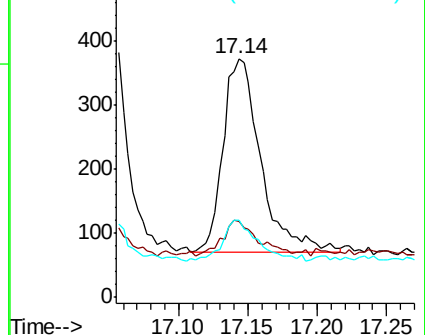
176 32.0 15.5 23.3#

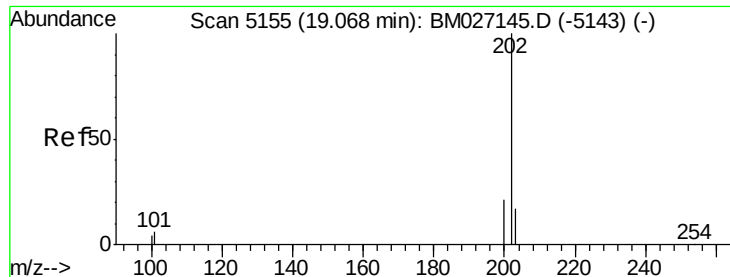


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.054 ng/ul

RT: 19.07 min Scan# 5155

Delta R.T. 0.00 min

Lab File: BM027147.D

Acq: 20 Aug 2020 02:58

Instrument :

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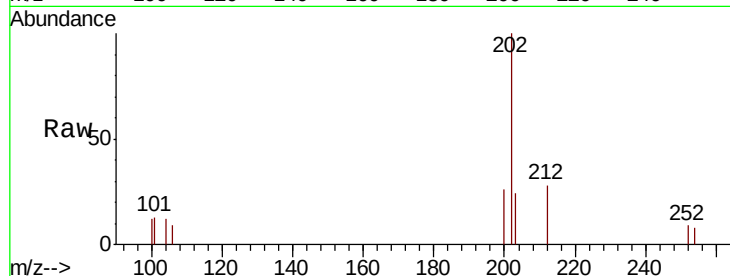
Tot Ion:202 Resp: 898

Ion Ratio Lower Upper

202 100

101 12.8 0.0 27.1

100 11.7 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

800

600

400

200

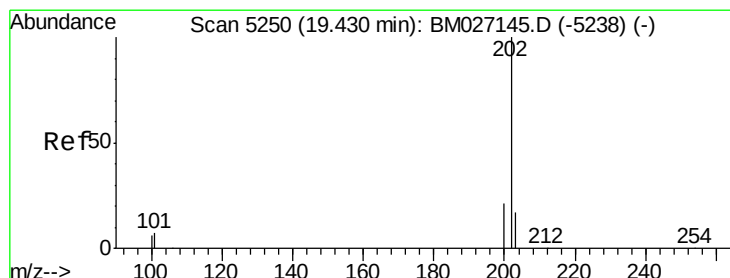
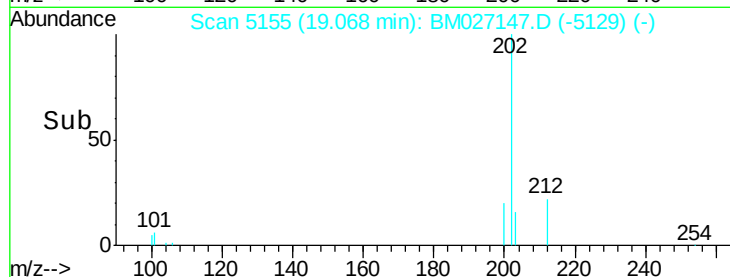
0

19.07

19.00

19.10

Time-->



#17

Pyrene

Concen: 0.053 ng/ul

RT: 19.43 min Scan# 5250

Delta R.T. 0.00 min

Lab File: BM027147.D

Acq: 20 Aug 2020 02:58

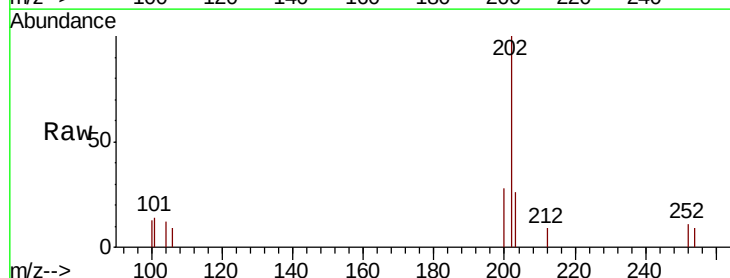
Tgt Ion:202 Resp: 876

Ion Ratio Lower Upper

202 100

101 13.7 6.6 9.8#

100 13.1 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

800

600

400

200

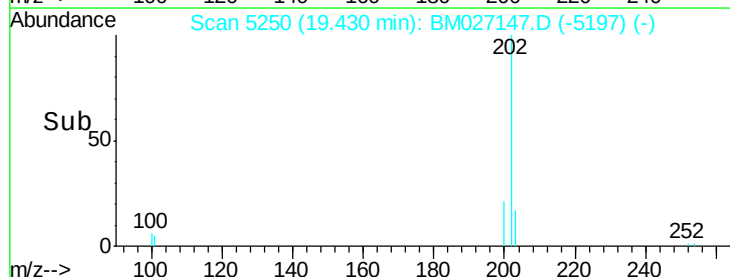
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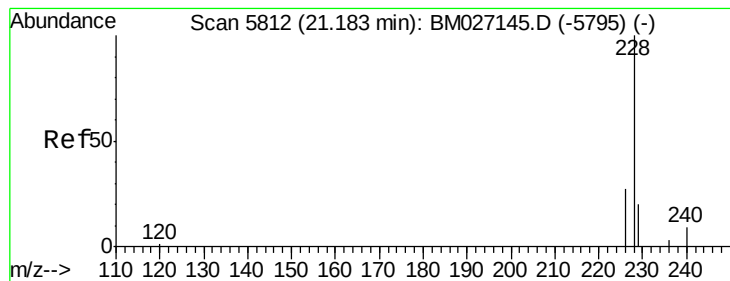
19.43

19.40

19.50

Time-->





#18

Benzo(a)anthracene

Concen: 0.053 ng/ul

RT: 21.18 min Scan# 5812

Delta R.T. 0.00 min

Lab File: BM027147.D

Acq: 20 Aug 2020 02:58

Instrument :

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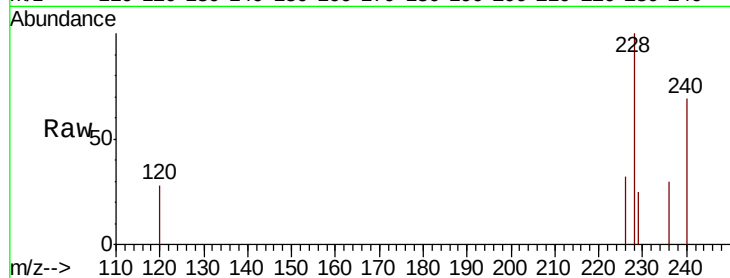
Tot Ion:228 Resp: 817

Ion Ratio Lower Upper

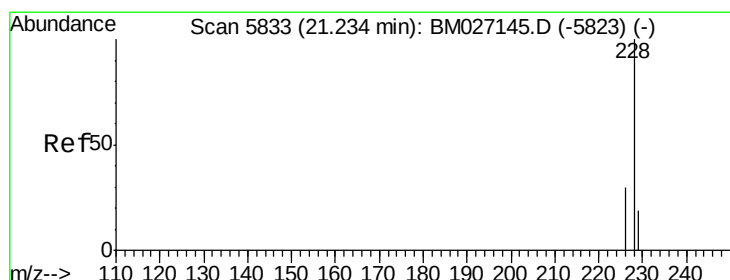
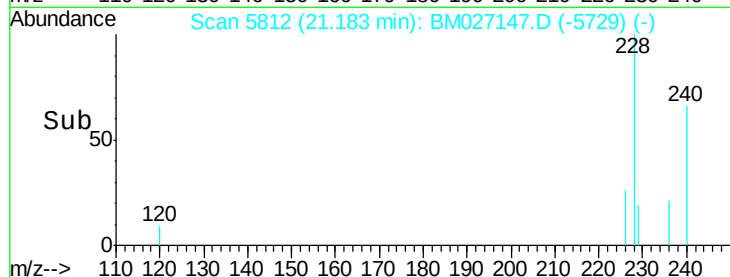
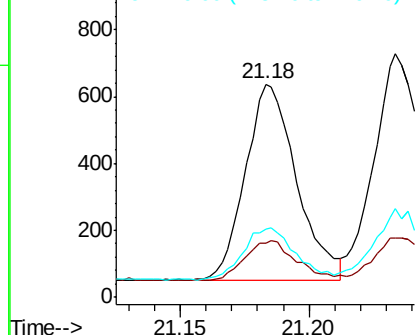
228 100

229 25.4 16.2 24.4#

226 31.9 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: 0.058 ng/ul

RT: 21.23 min Scan# 5833

Delta R.T. 0.00 min

Lab File: BM027147.D

Acq: 20 Aug 2020 02:58

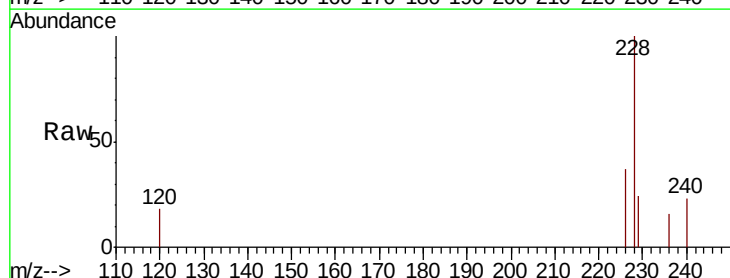
Tgt Ion:228 Resp: 966

Ion Ratio Lower Upper

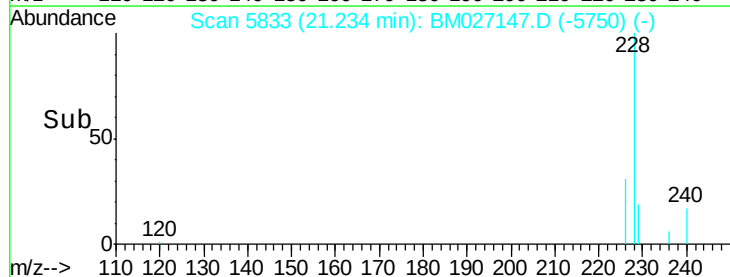
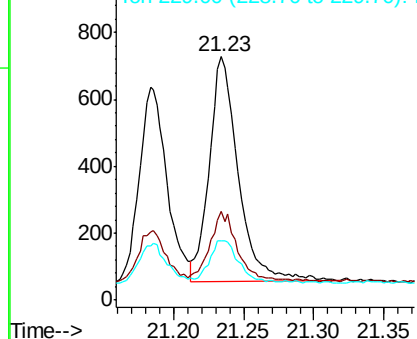
228 100

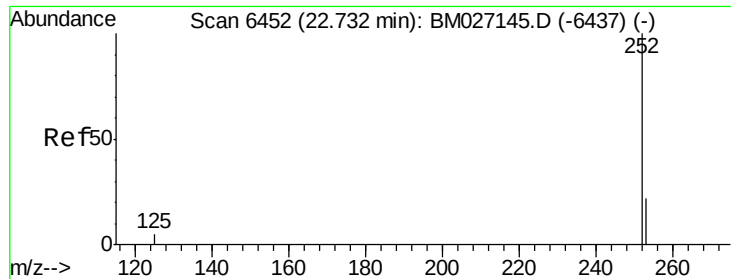
226 36.5 24.6 36.8

229 24.5 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: 0.055 ng/ul

RT: 22.74 min Scan# 6453

Delta R.T. 0.00 min

Lab File: BM027147.D

Acq: 20 Aug 2020 02:58

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-06

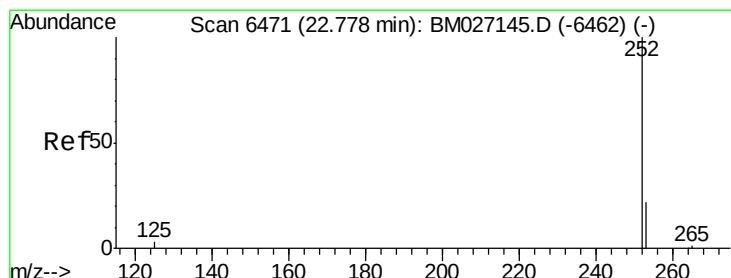
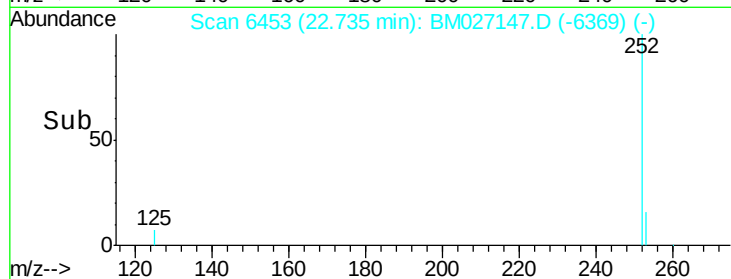
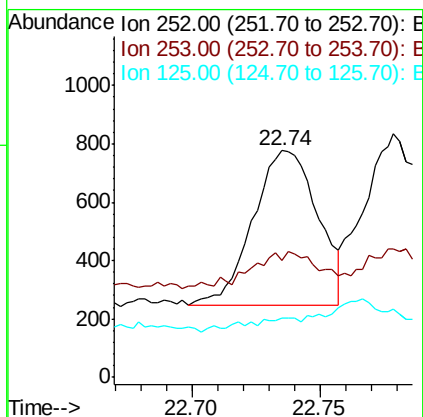
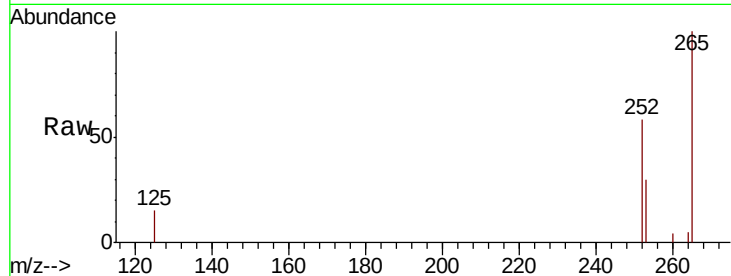
Tot Ion:252 Resp: 937

Ion Ratio Lower Upper

252 100

253 51.6 0.0 54.0

125 26.1 0.0 20.8#



#22

Benzo(k)fluoranthene

Concen: 0.060 ng/ul

RT: 22.78 min Scan# 6471

Delta R.T. 0.00 min

Lab File: BM027147.D

Acq: 20 Aug 2020 02:58

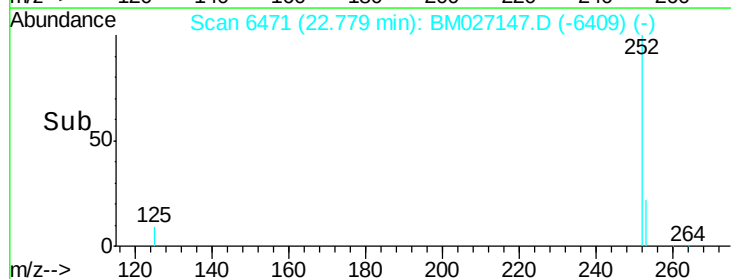
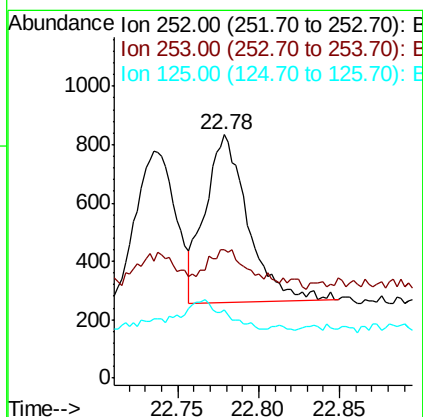
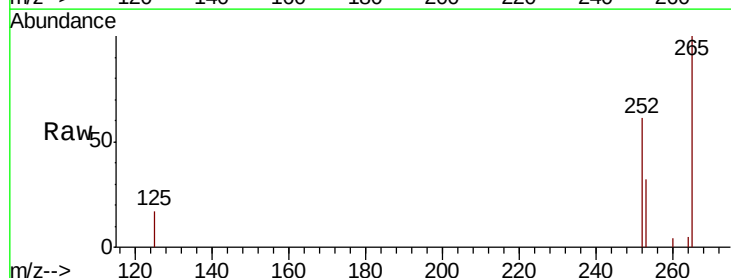
Tgt Ion:252 Resp: 1069

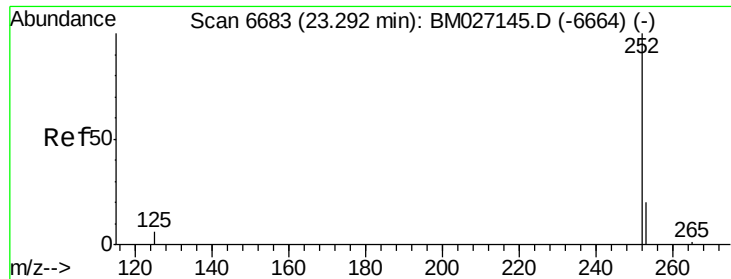
Ion Ratio Lower Upper

252 100

253 53.0 21.7 32.5#

125 28.1 7.9 11.9#





#23

Benzo(a)pyrene

Concen: 0.050 ng/ul

RT: 23.29 min Scan# 6684

Delta R.T. 0.00 min

Lab File: BM027147.D

Acq: 20 Aug 2020 02:58

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-06

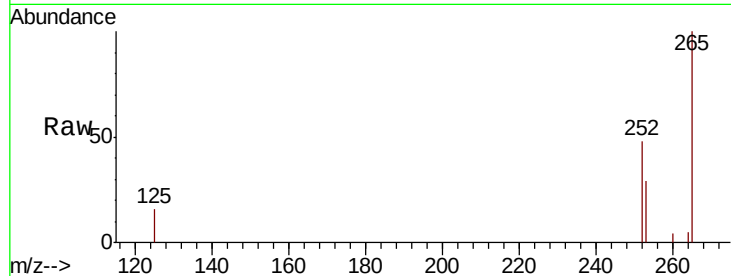
Tot Ion:252 Resp: 774

Ion Ratio Lower Upper

252 100

253 61.1 23.4 35.0#

125 34.1 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

23.29

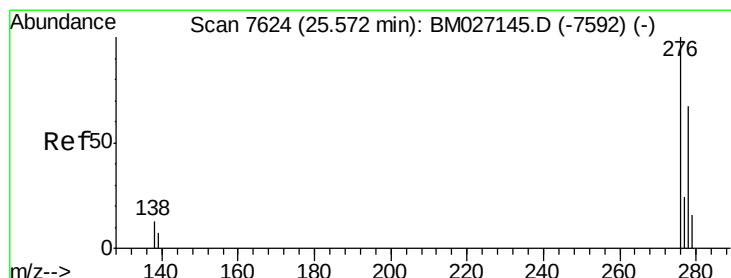
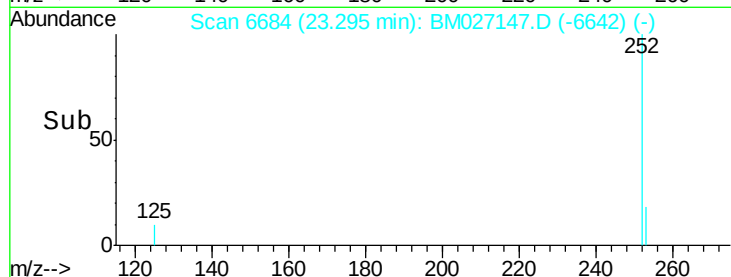
600

400

200

0

Time-->



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.052 ng/ul

RT: 25.57 min Scan# 7625

Delta R.T. 0.00 min

Lab File: BM027147.D

Acq: 20 Aug 2020 02:58

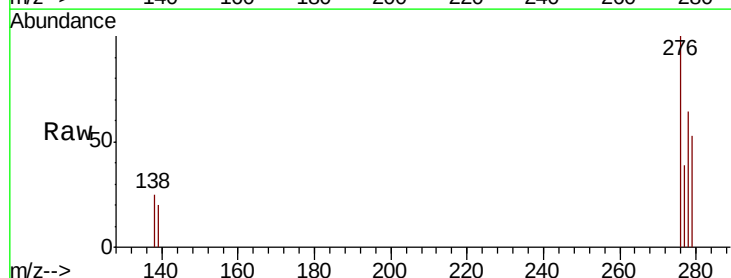
Tgt Ion:276 Resp: 1118

Ion Ratio Lower Upper

276 100

138 0.7 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

25.57

500

400

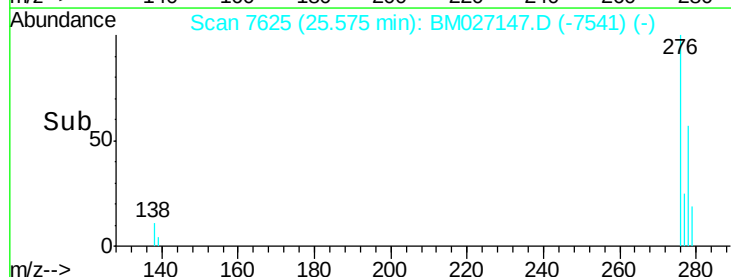
300

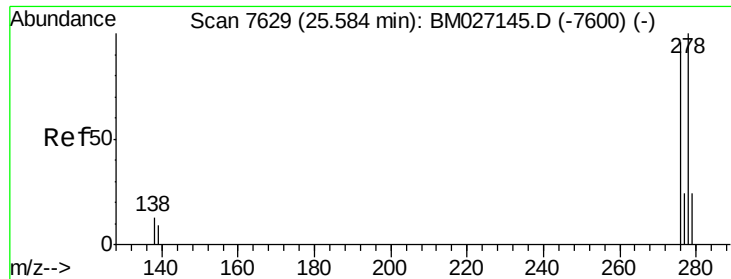
200

100

0

Time-->





#25

Dibenzo(a,h)anthracene

Concen: 0.051 ng/ul

RT: 25.59 min Scan# 7632

Delta R.T. 0.01 min

Lab File: BM027147.D

Acq: 20 Aug 2020 02:58

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-06

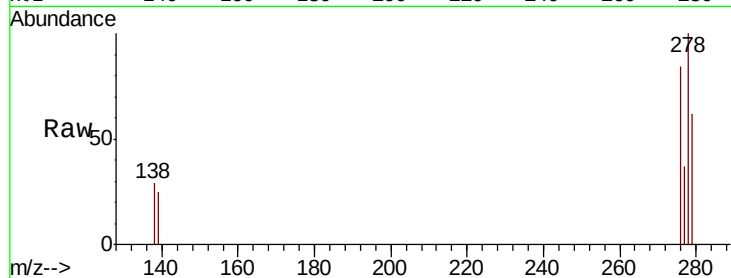
Tot Ion:278 Resp: 888

Ion Ratio Lower Upper

278 100

139 25.0 10.0 15.0#

279 61.8 22.9 34.3#



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

25.59

400

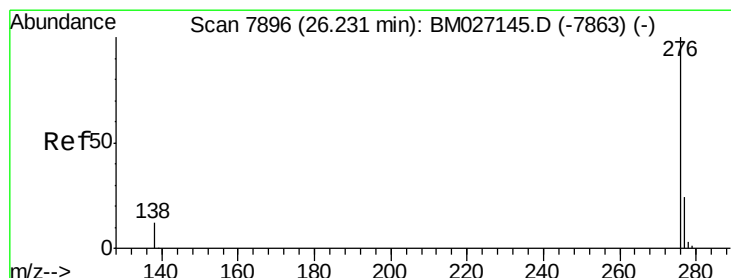
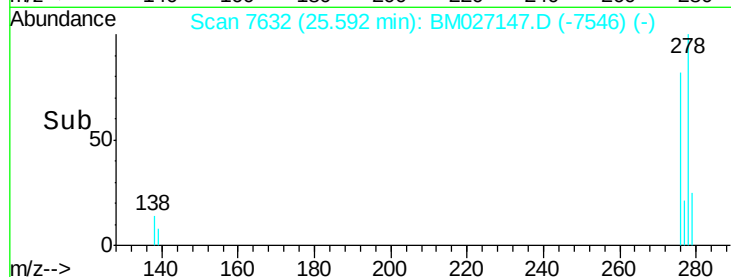
300

200

100

0

Time-->



#26

Benzo(g,h,i)perylene

Concen: 0.052 ng/ul

RT: 26.23 min Scan# 7896

Delta R.T. 0.00 min

Lab File: BM027147.D

Acq: 20 Aug 2020 02:58

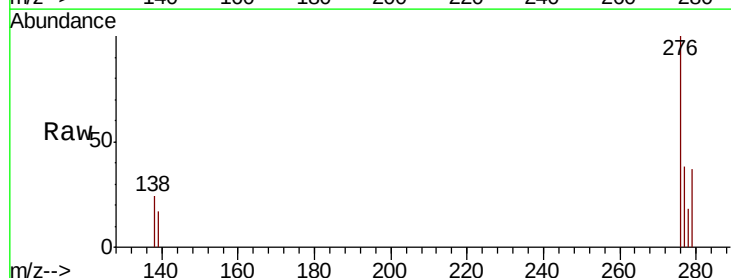
Tgt Ion:276 Resp: 963

Ion Ratio Lower Upper

276 100

138 24.2 12.0 18.0#

277 38.3 20.9 31.3#



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

26.23

500

400

300

200

100

0

Time-->

