

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082020\
 Data File : BM027149.D
 Acq On : 20 Aug 2020 04:46
 Operator : JU/CG
 Sample : L1955-14
 Misc : MDL-W-06-0.07PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-07

Quant Time: Aug 20 07:10:43 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

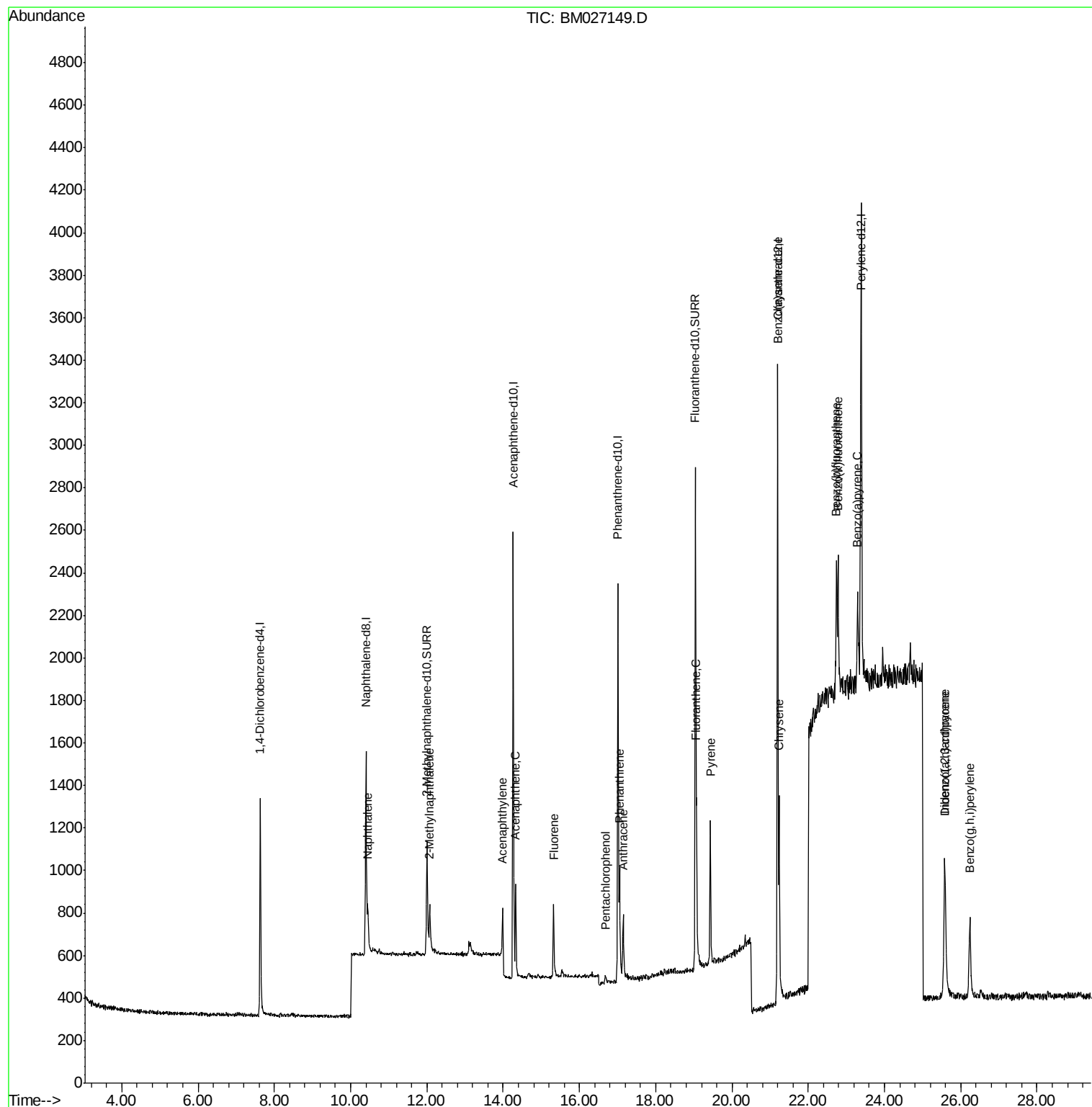
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	582	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	1714	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	1218	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	2895	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	2979	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	3165	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1026	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	3235	0.39	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.45	128	285	0.056	ng/ul#	48
5) 2-Methylnaphthalene	12.07	142	204	0.058	ng/ul	92
7) Acenaphthylene	13.99	152	276	0.052	ng/ul#	64
8) Acenaphthene	14.32	153	250	0.054	ng/ul#	90
9) Fluorene	15.32	166	304	0.055	ng/ul#	93
11) Pentachlorophenol	16.68	266	49	0.051	ng/ul	91
12) Phenanthrene	17.05	178	563	0.058	ng/ul#	78
13) Anthracene	17.14	178	429	0.048	ng/ul#	69
15) Fluoranthene	19.07	202	736	0.063	ng/ul	78
17) Pyrene	19.44	202	725	0.057	ng/ul#	83
18) Benzo(a)anthracene	21.19	228	682	0.058	ng/ul#	88
19) Chrysene	21.24	228	849	0.066	ng/ul#	92
21) Benzo(b)fluoranthene	22.74	252	812	0.060	ng/ul#	55
22) Benzo(k)fluoranthene	22.78	252	892	0.063	ng/ul#	55
23) Benzo(a)pyrene	23.29	252	712	0.058	ng/ul#	41
24) Indeno(1,2,3-cd)pyrene	25.57	276	997	0.059	ng/ul#	67
25) Dibenzo(a,h)anthracene	25.59	278	811	0.059	ng/ul#	43
26) Benzo(g,h,i)perylene	26.23	276	856	0.059	ng/ul#	76

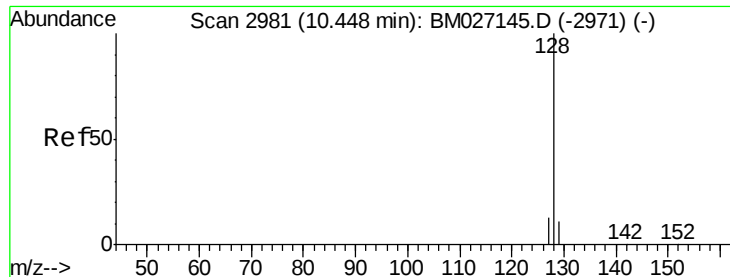
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.056 ng/ul

RT: 10.45 min Scan# 2982

Delta R.T. 0.00 min

Lab File: BM027149.D

Acq: 20 Aug 2020 04:46

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

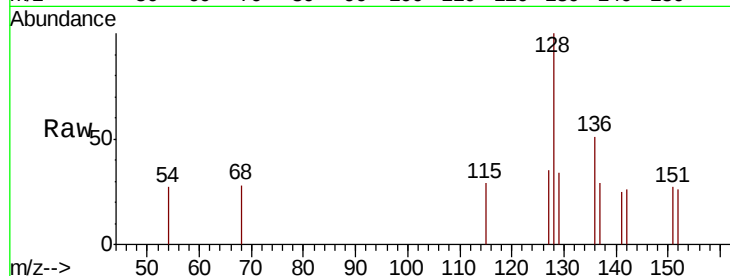
Tot Ion:128 Resp: 285

Ion Ratio Lower Upper

128 100

129 33.9 10.1 15.1#

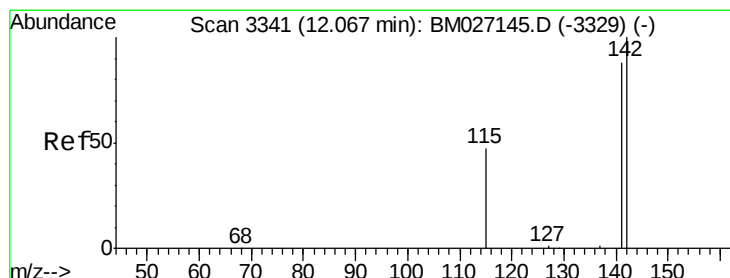
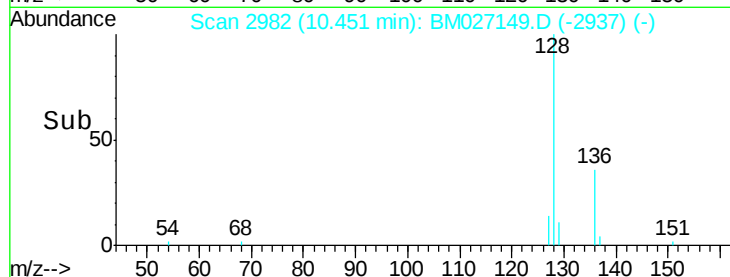
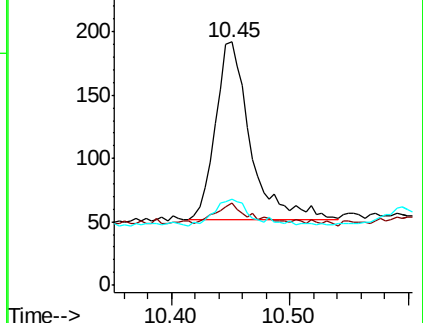
127 35.4 11.6 17.4#



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: 0.058 ng/ul

RT: 12.07 min Scan# 3343

Delta R.T. 0.01 min

Lab File: BM027149.D

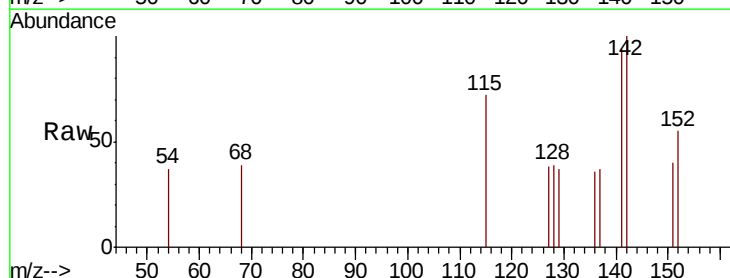
Acq: 20 Aug 2020 04:46

Tgt Ion:142 Resp: 204

Ion Ratio Lower Upper

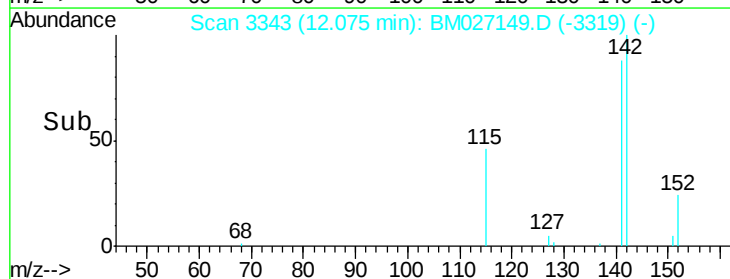
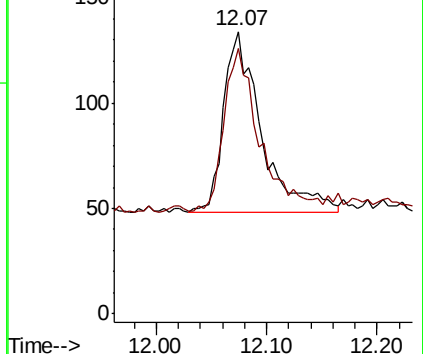
142 100

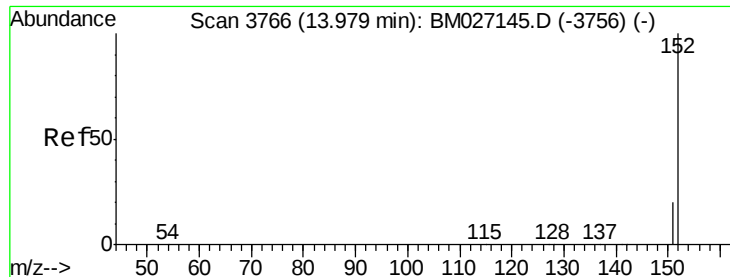
141 83.8 72.9 109.3



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: 13.99 min Scan# 3768

Delta R.T. 0.01 min

Lab File: BM027149.D

Acq: 20 Aug 2020 04:46

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

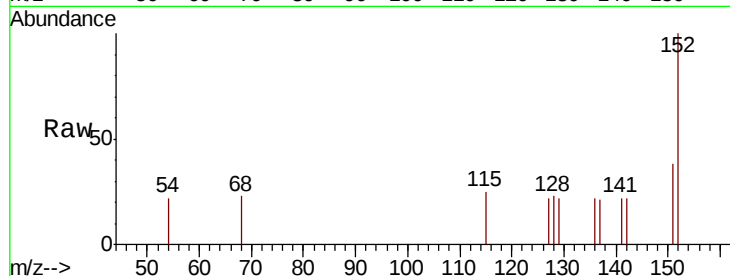
Tot Ion:152 Resp: 276

Ion Ratio Lower Upper

152 100

151 37.8 16.9 25.3#

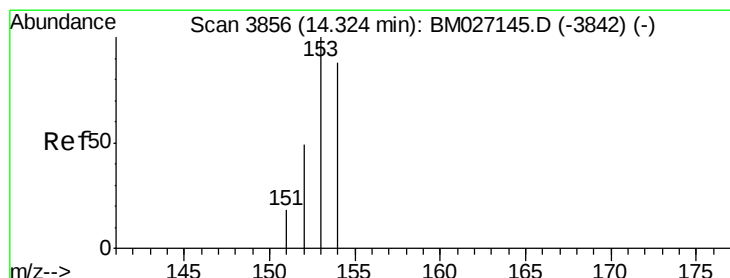
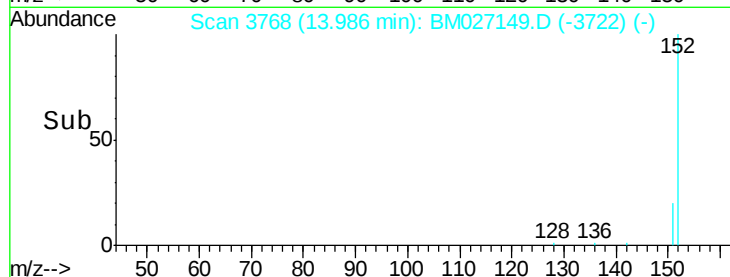
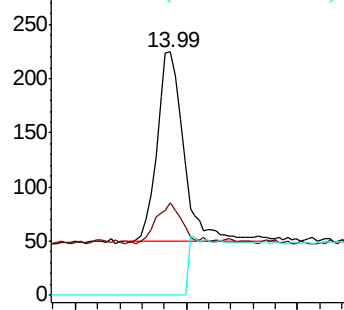
153 0.0 0.0 0.0



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: 14.32 min Scan# 3856

Delta R.T. -0.00 min

Lab File: BM027149.D

Acq: 20 Aug 2020 04:46

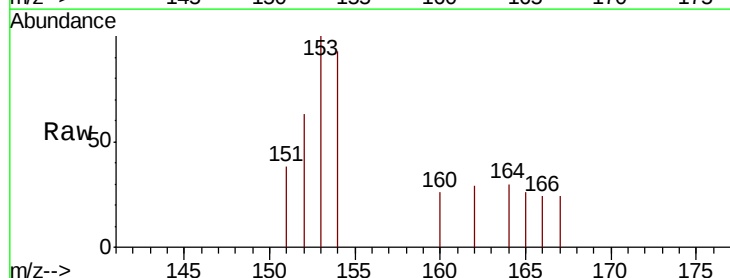
Tgt Ion:153 Resp: 250

Ion Ratio Lower Upper

153 100

152 62.6 40.9 61.3#

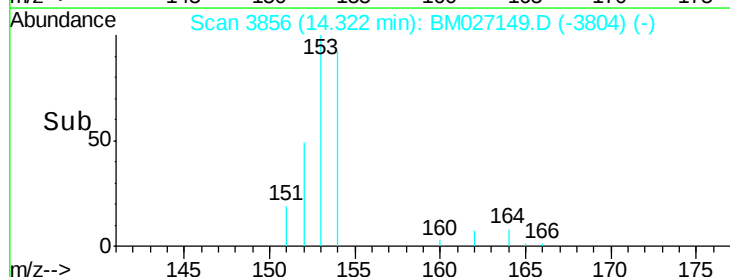
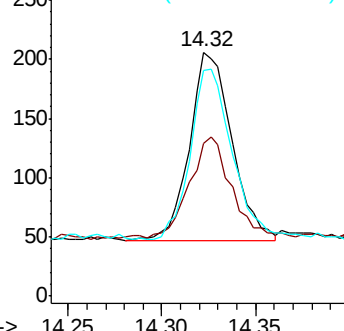
154 92.7 70.0 105.0

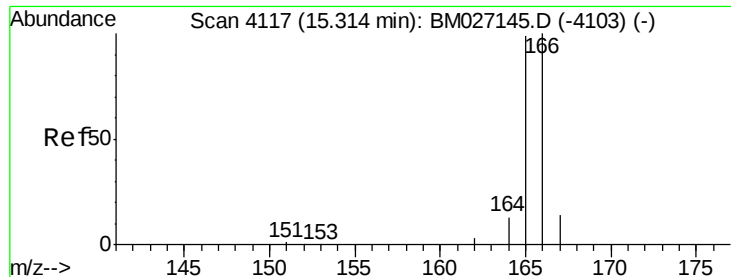


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.055 ng/ul

RT: 15.32 min Scan# 4120

Delta R.T. 0.01 min

Lab File: BM027149.D

Acq: 20 Aug 2020 04:46

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

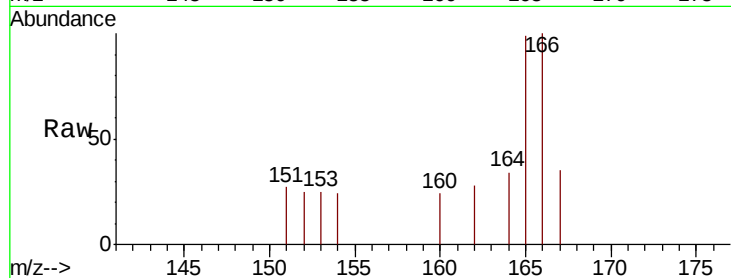
Tot Ion:166 Resp: 304

Ion Ratio Lower Upper

166 100

165 99.5 79.8 119.6

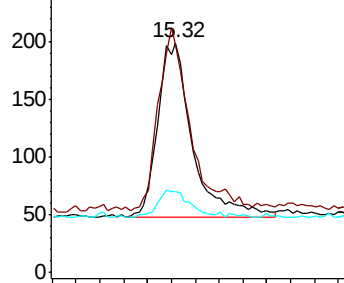
167 35.2 12.1 18.1#



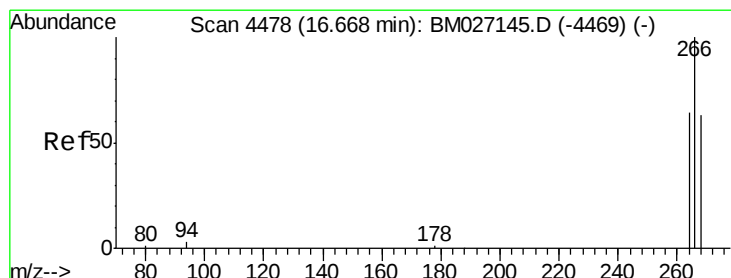
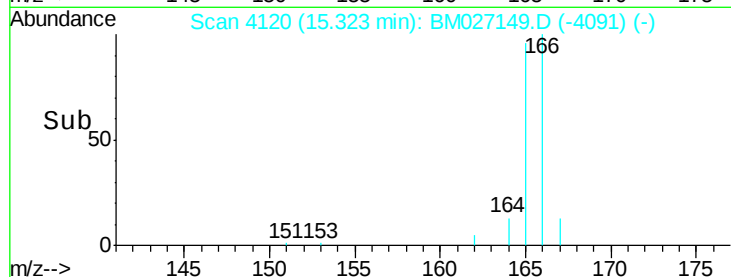
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#11

Pentachlorophenol

Concen: 0.051 ng/ul

RT: 16.68 min Scan# 4482

Delta R.T. 0.01 min

Lab File: BM027149.D

Acq: 20 Aug 2020 04:46

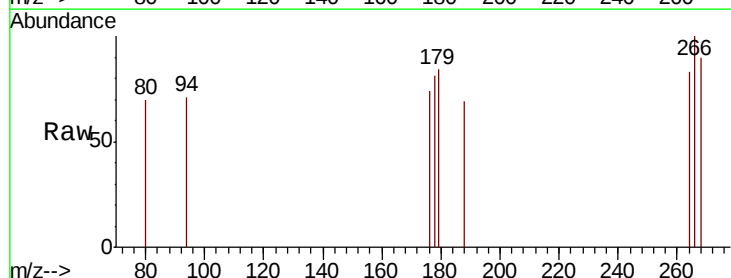
Tgt Ion:266 Resp: 49

Ion Ratio Lower Upper

266 100

264 65.3 47.8 71.8

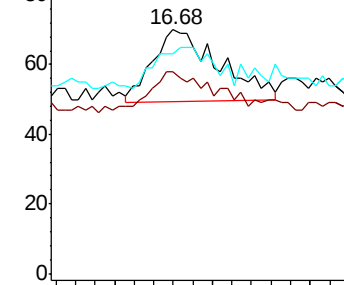
268 53.1 48.5 72.7



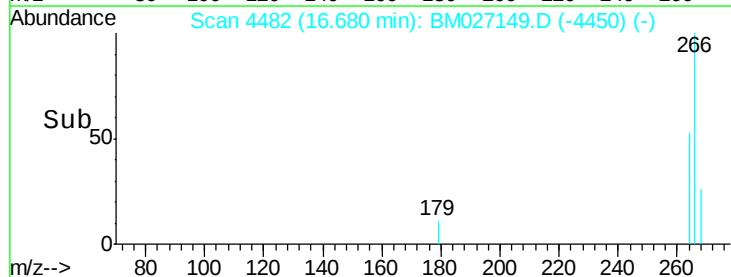
Abundance Ion 266.00 (265.70 to 266.70): E

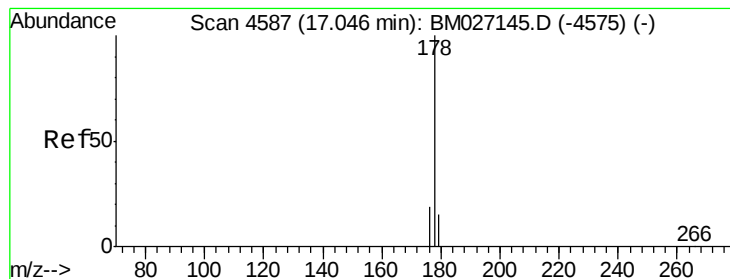
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#12

Phenanthrene

Concen: 0.058 ng/ul

RT: 17.05 min Scan# 4589

Delta R.T. 0.01 min

Lab File: BM027149.D

Acq: 20 Aug 2020 04:46

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

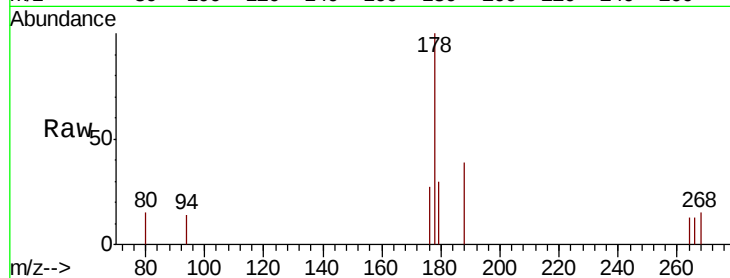
Tot Ion:178 Resp: 563

Ion Ratio Lower Upper

178 100

179 29.8 13.4 20.2#

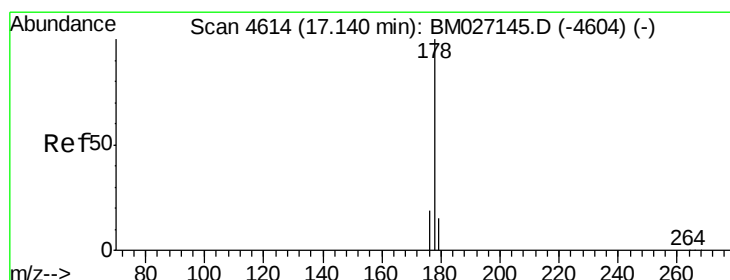
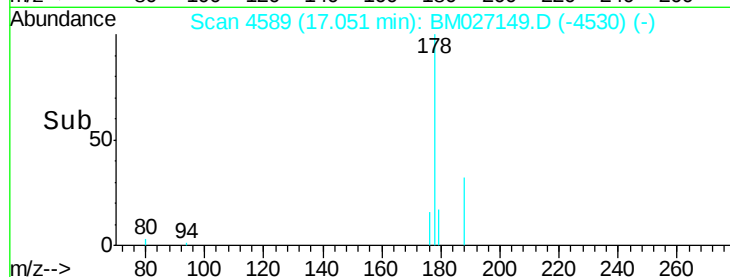
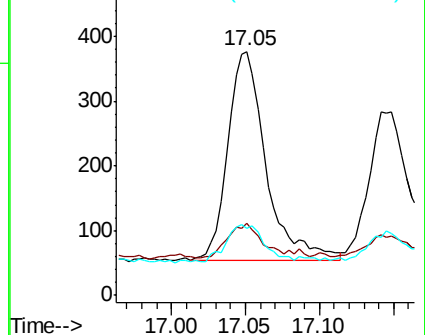
176 27.4 16.0 24.0#



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: 0.048 ng/ul

RT: 17.14 min Scan# 4615

Delta R.T. 0.00 min

Lab File: BM027149.D

Acq: 20 Aug 2020 04:46

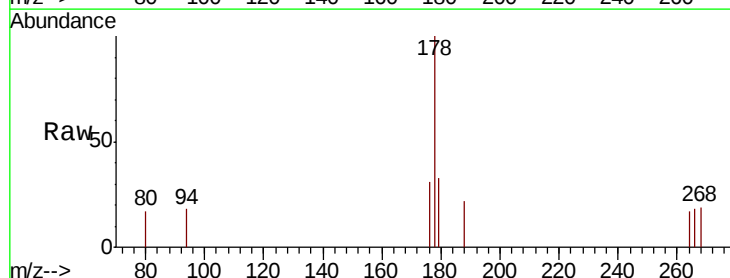
Tgt Ion:178 Resp: 429

Ion Ratio Lower Upper

178 100

179 32.7 13.7 20.5#

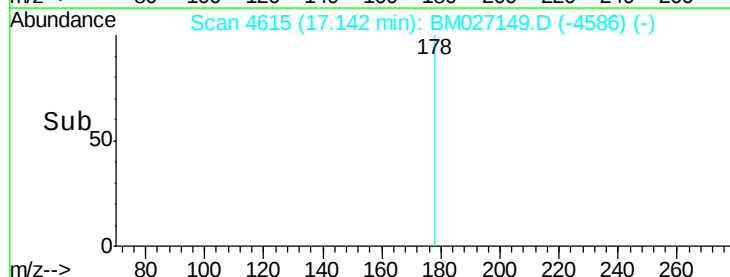
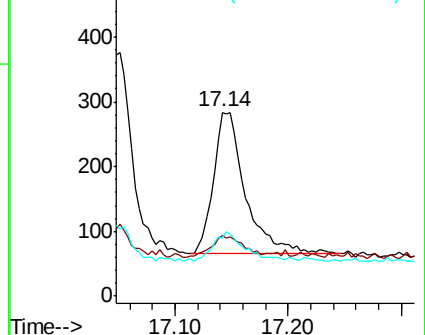
176 31.3 15.5 23.3#

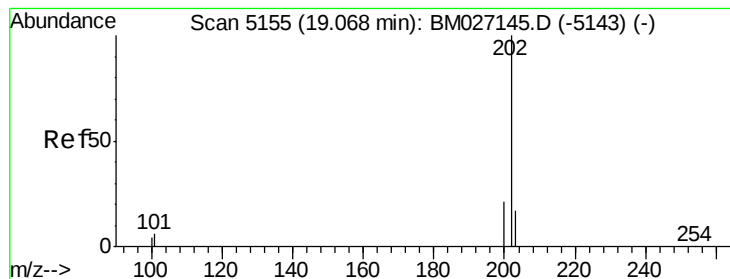


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.063 ng/ul

RT: 19.07 min Scan# 5156

Delta R.T. 0.00 min

Lab File: BM027149.D

Acq: 20 Aug 2020 04:46

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

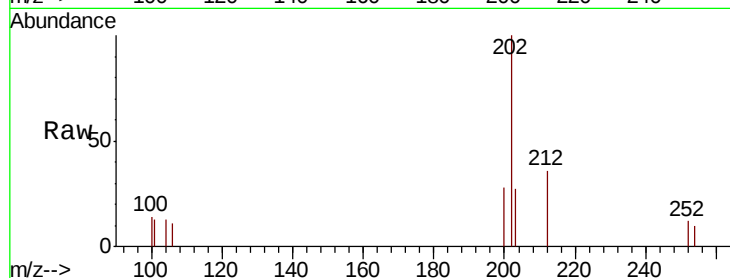
Tot Ion:202 Resp: 736

Ion Ratio Lower Upper

202 100

101 13.5 0.0 27.1

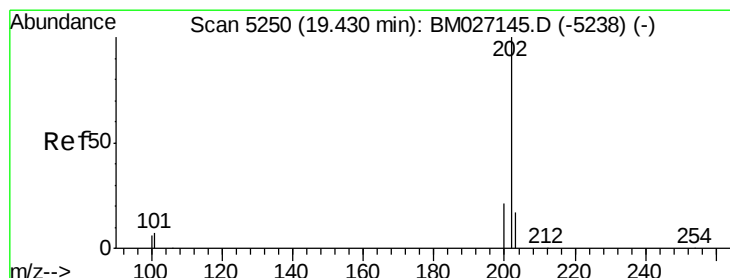
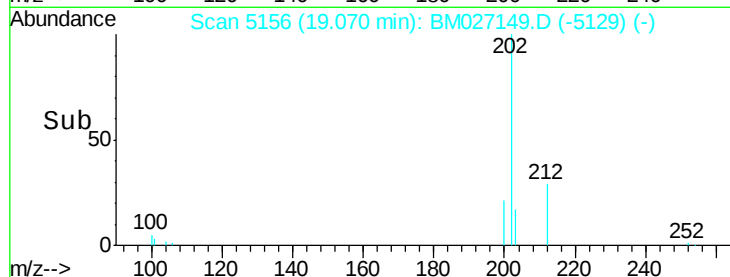
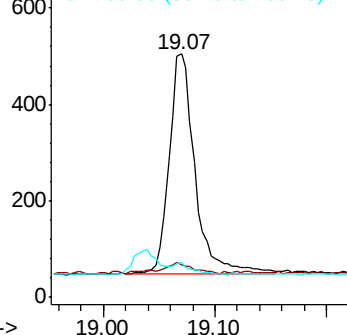
100 14.3 0.0 25.7



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: 0.057 ng/ul

RT: 19.44 min Scan# 5252

Delta R.T. 0.01 min

Lab File: BM027149.D

Acq: 20 Aug 2020 04:46

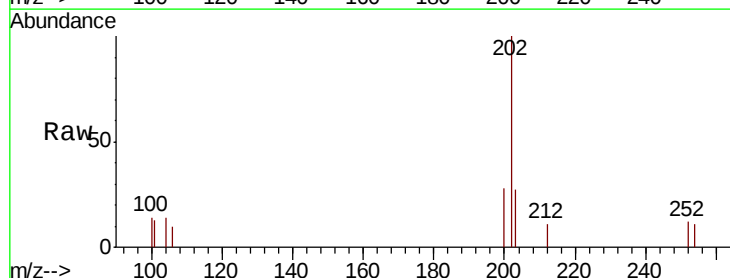
Tgt Ion:202 Resp: 725

Ion Ratio Lower Upper

202 100

101 13.3 6.6 9.8#

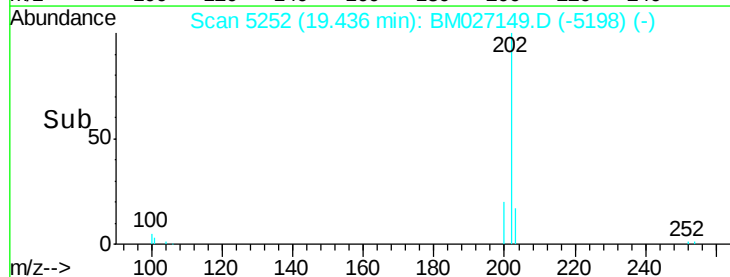
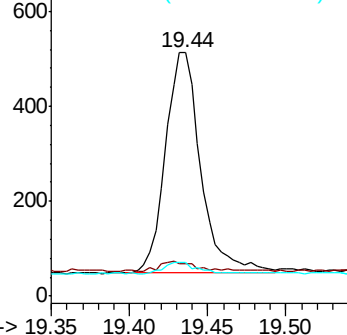
100 13.8 5.6 8.4#

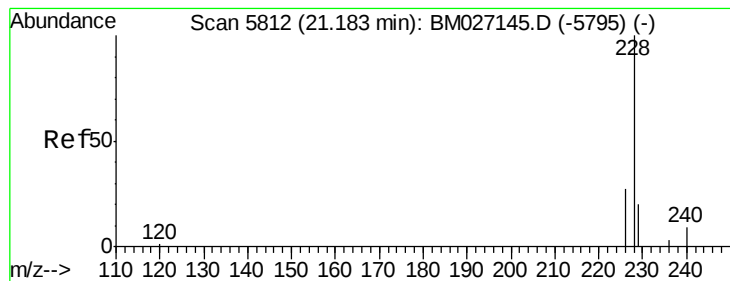


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.058 ng/ul

RT: 21.19 min Scan# 5814

Delta R.T. 0.00 min

Lab File: BM027149.D

Acq: 20 Aug 2020 04:46

Instrument :

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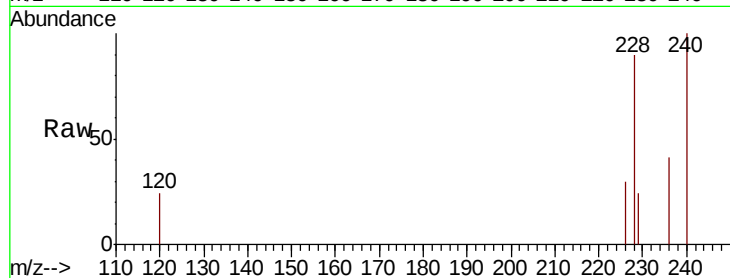
Tot Ion:228 Resp: 682

Ion Ratio Lower Upper

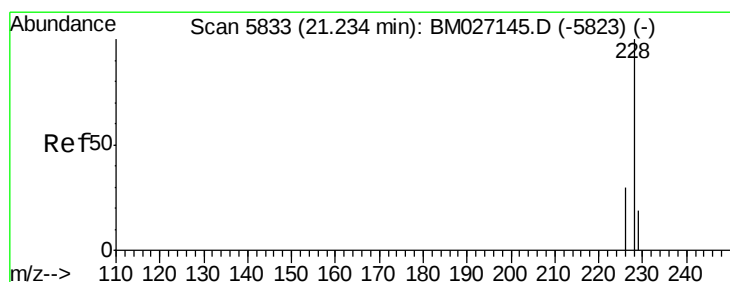
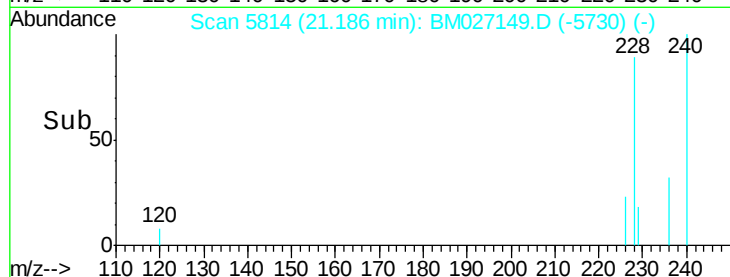
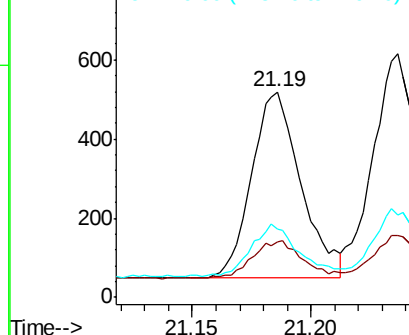
228 100

229 27.1 16.2 24.4#

226 33.5 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: 0.066 ng/ul

RT: 21.24 min Scan# 5835

Delta R.T. 0.00 min

Lab File: BM027149.D

Acq: 20 Aug 2020 04:46

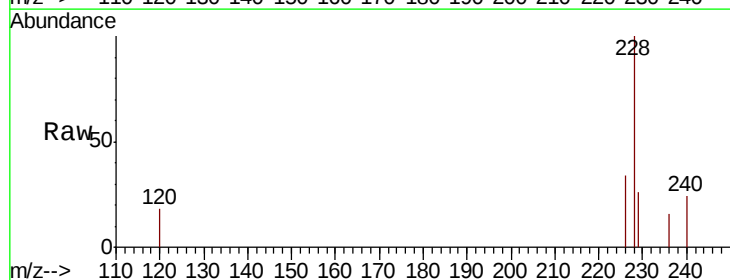
Tgt Ion:228 Resp: 849

Ion Ratio Lower Upper

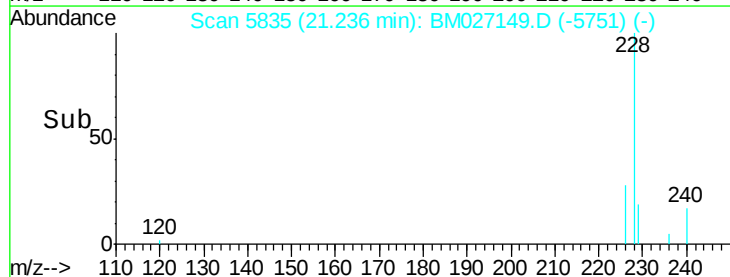
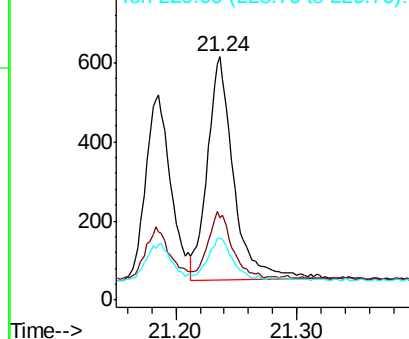
228 100

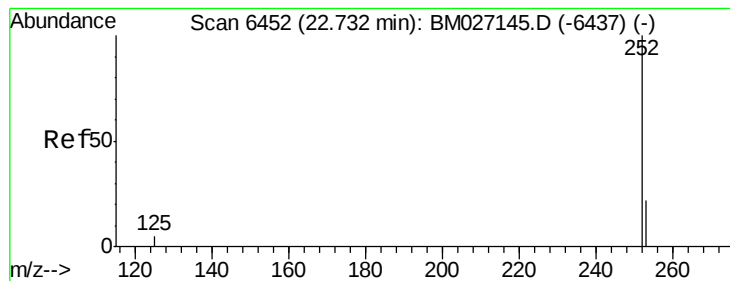
226 33.8 24.6 36.8

229 25.5 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: 0.060 ng/ul

RT: 22.74 min Scan# 6455

Delta R.T. 0.01 min

Lab File: BM027149.D

Acq: 20 Aug 2020 04:46

Instrument :

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MDL-WATER-07

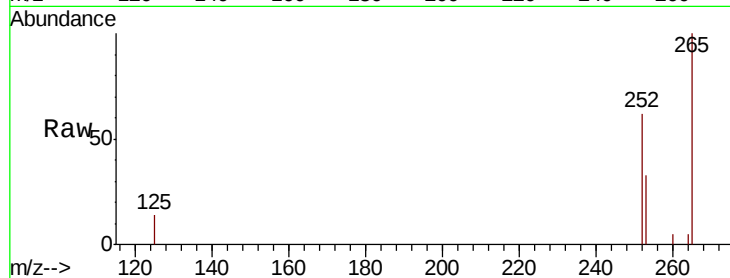
Tot Ion:252 Resp: 812

Ion Ratio Lower Upper

252 100

253 53.0 0.0 54.0

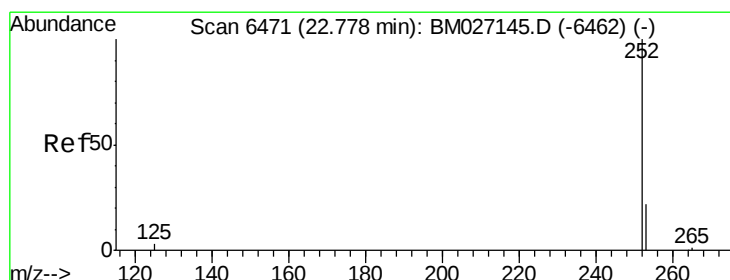
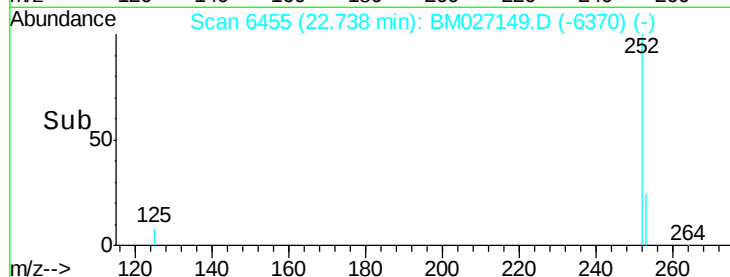
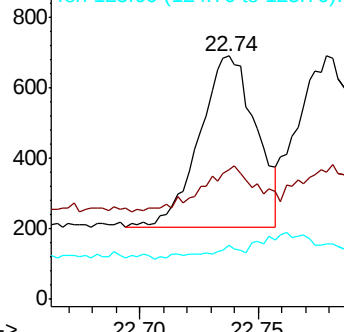
125 22.0 0.0 20.8#



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: 0.063 ng/ul

RT: 22.78 min Scan# 6472

Delta R.T. 0.00 min

Lab File: BM027149.D

Acq: 20 Aug 2020 04:46

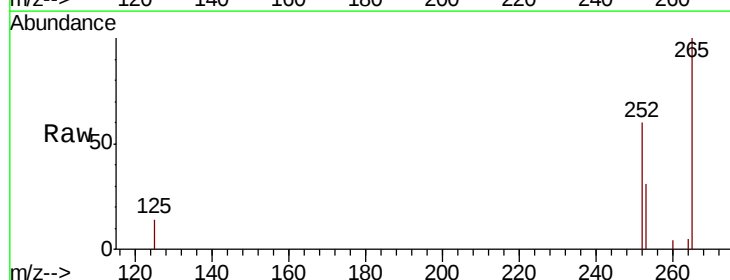
Tgt Ion:252 Resp: 892

Ion Ratio Lower Upper

252 100

253 52.3 21.7 32.5#

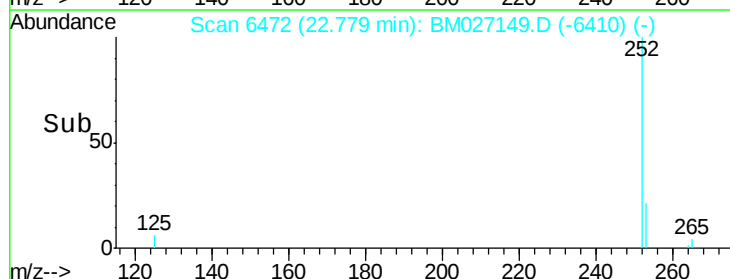
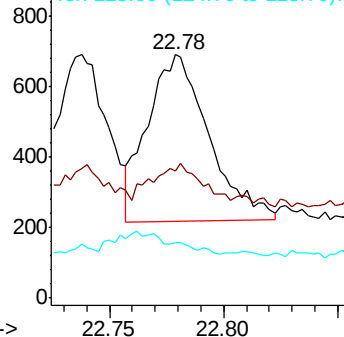
125 23.0 7.9 11.9#

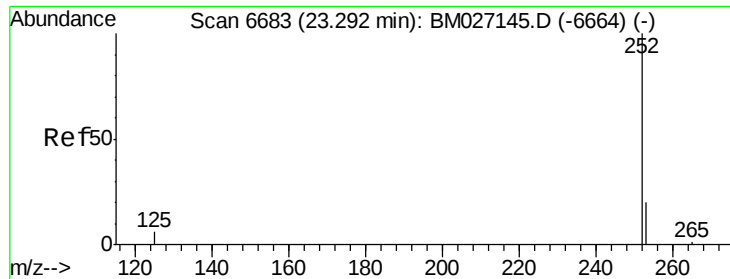


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.058 ng/u1

RT: 23.29 min Scan# 6685

Delta R.T. 0.00 min

Lab File: BM027149.D

Acq: 20 Aug 2020 04:46

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

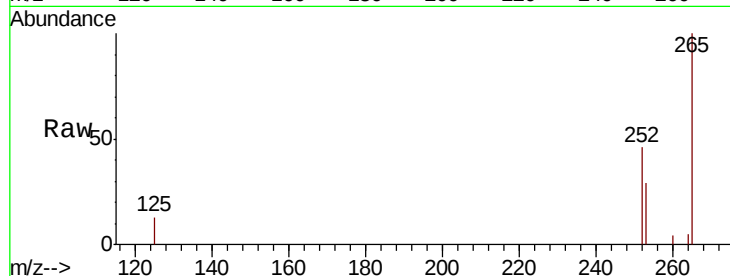
Tot Ion:252 Resp: 712

Ion Ratio Lower Upper

252 100

253 64.1 23.4 35.0#

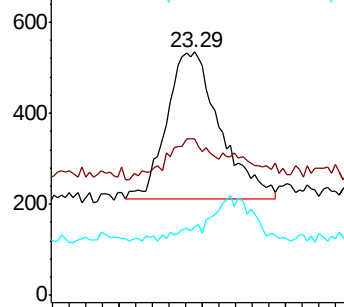
125 28.2 9.4 14.2#



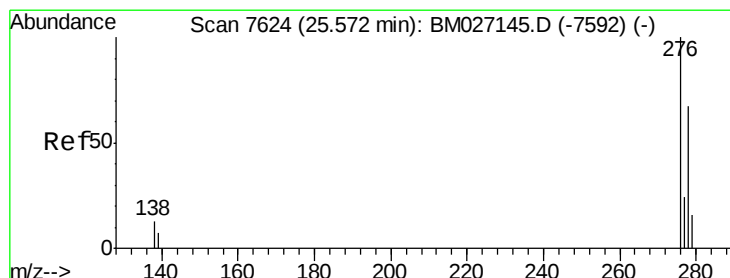
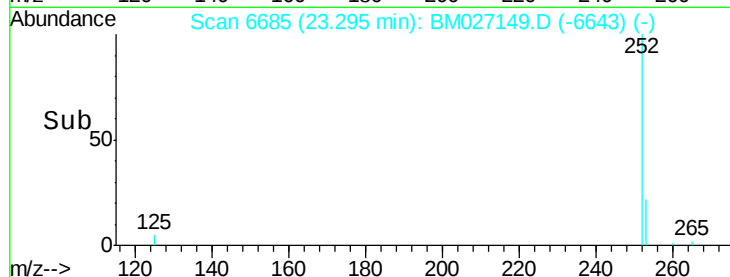
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.059 ng/u1

RT: 25.57 min Scan# 7626

Delta R.T. 0.00 min

Lab File: BM027149.D

Acq: 20 Aug 2020 04:46

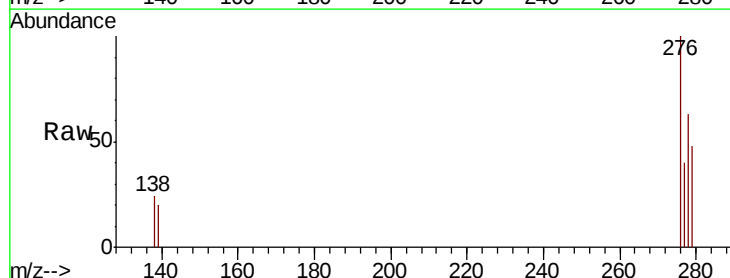
Tgt Ion:276 Resp: 997

Ion Ratio Lower Upper

276 100

138 1.6 12.2 18.2#

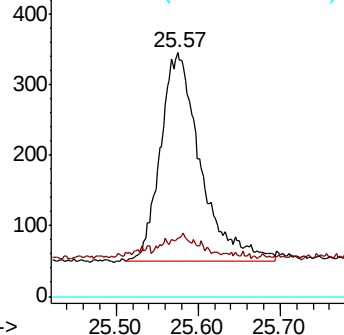
227 0.0 0.0 0.0



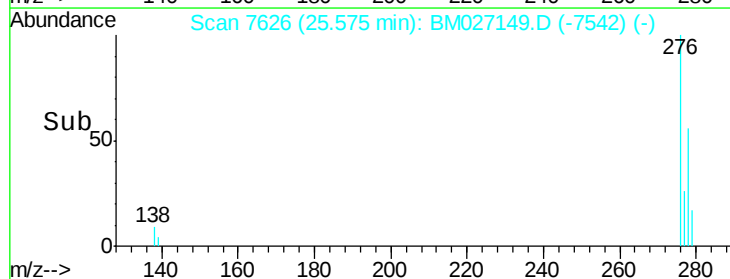
Abundance Ion 276.00 (275.70 to 276.70): E

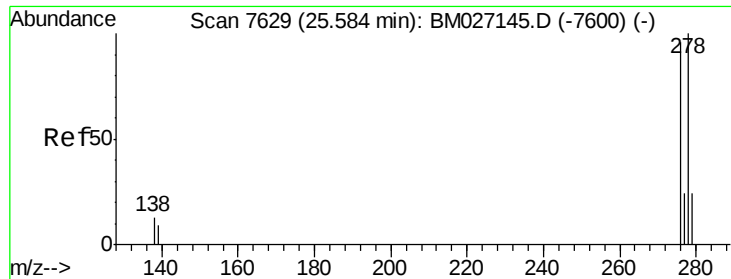
Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



Time-->





#25

Dibenzo(a,h)anthracene

Concen: 0.059 ng/u1

RT: 25.59 min Scan# 7633

Delta R.T. 0.01 min

Lab File: BM027149.D

Acq: 20 Aug 2020 04:46

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

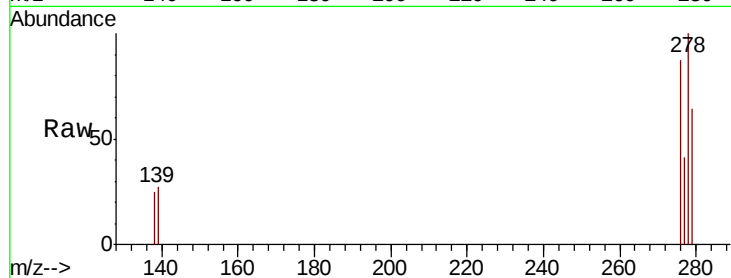
Tot Ion:278 Resp: 811

Ion Ratio Lower Upper

278 100

139 26.7 10.0 15.0#

279 63.9 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

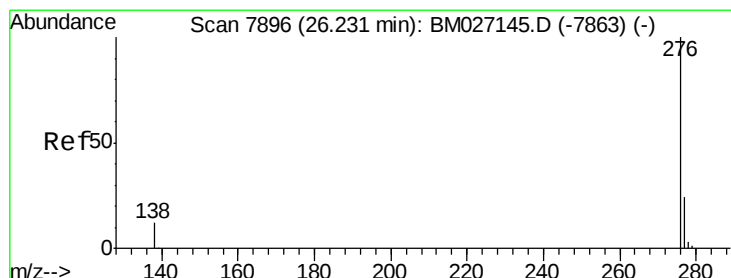
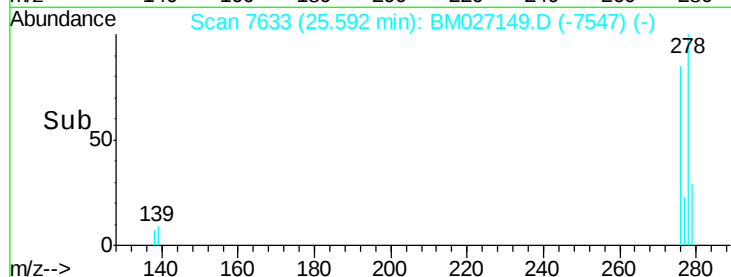
300

200

100

0

Time-->



#26

Benzo(g,h,i)perylene

Concen: 0.059 ng/u1

RT: 26.23 min Scan# 7898

Delta R.T. 0.00 min

Lab File: BM027149.D

Acq: 20 Aug 2020 04:46

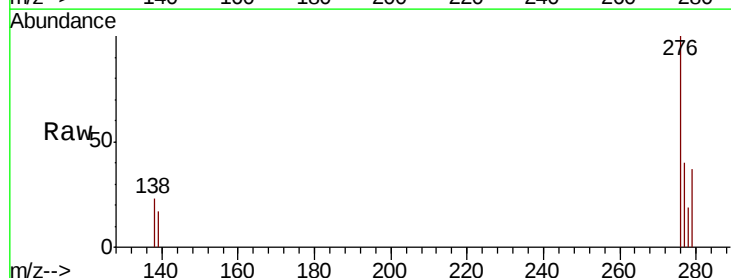
Tgt Ion:276 Resp: 856

Ion Ratio Lower Upper

276 100

138 23.2 12.0 18.0#

277 39.6 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

300

200

100

0

Time-->

