

Data File : BM027614.D
Acq On : 05 Oct 2020 20:25
Operator : JU/CG
Sample : L4184-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AQ1

Quant Time: Oct 06 01:24:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM092320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 06 01:23:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1086	0.40	ng/ul	0.00
2) Naphthalene-d8	10.58	136	3175	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	2308	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.17	188	5678	0.40	ng/ul	0.00
16) Chrysene-d12	21.34	240	6177	0.40	ng/ul	0.00
20) Perylene-d12	23.61	264	6310	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.17	152	894	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.19	212	3110	0.20	ng/ul	0.00

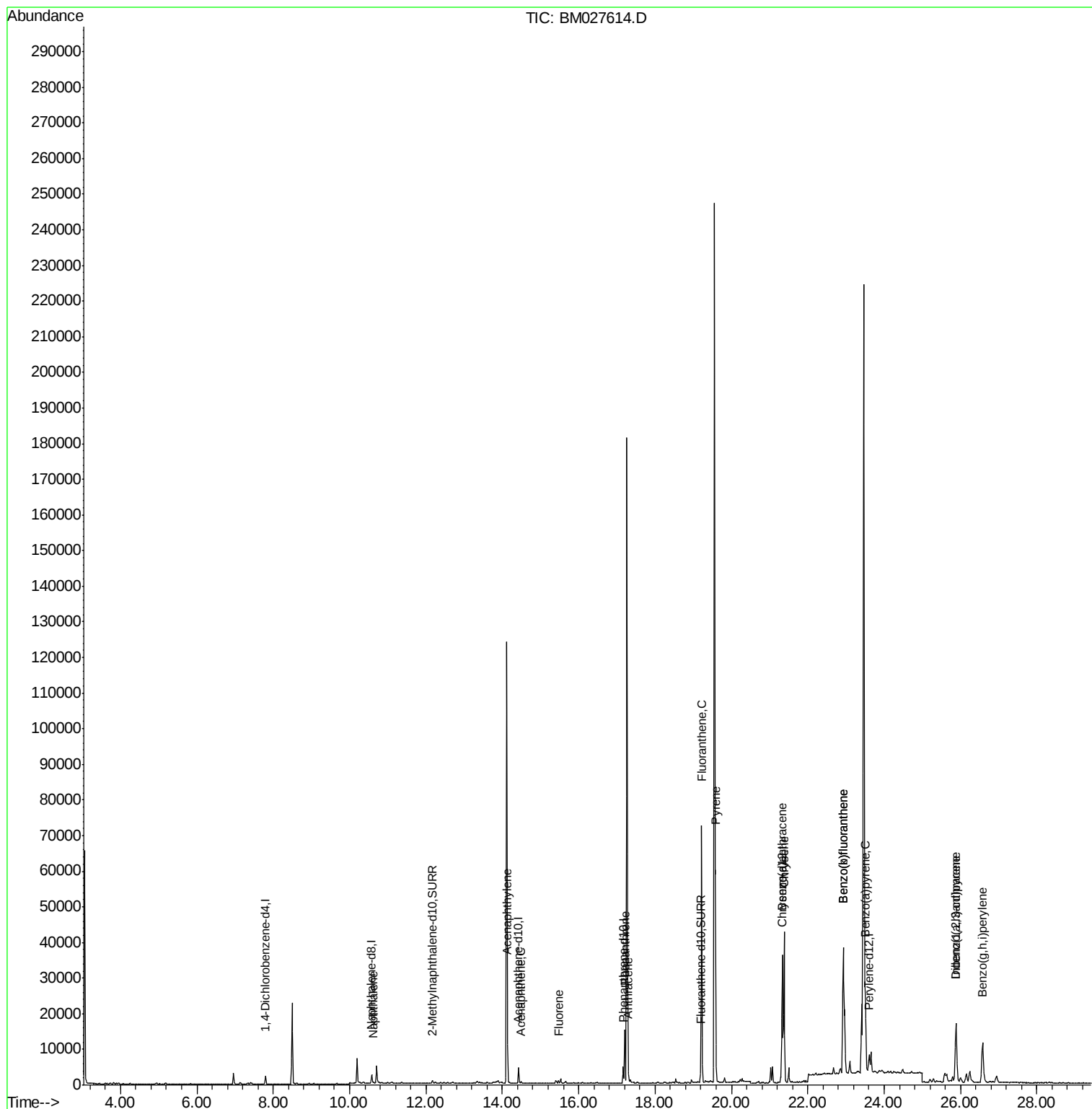
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.63	128	281	0.030	ng/ul#	53
7) Acenaphthylene	14.14	152	389	0.033	ng/ul#	63
8) Acenaphthene	14.49	153	302	0.036	ng/ul	97
9) Fluorene	15.48	166	492	0.047	ng/ul#	95
12) Phenanthrene	17.21	178	15822	0.903	ng/ul	99
13) Anthracene	17.30	178	2491	0.145	ng/ul	93
15) Fluoranthene	19.22	202	64175	3.045	ng/ul	97
17) Pyrene	19.58	202	53503	1.898	ng/ul#	95
18) Benzo(a)anthracene	21.33	228	29244	1.207	ng/ul	99
19) Chrysene	21.38	228	41256	1.644	ng/ul	98
21) Benzo(b)fluoranthene	22.92	252	82061	3.228	ng/ul	100
22) Benzo(k)fluoranthene	22.92	252	82061	3.105	ng/ul	99
23) Benzo(a)pyrene	23.51	252	33292	1.463	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.88	276	29135	0.994	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.89	278	7330	0.303	ng/ul#	89
26) Benzo(g,h,i)perylene	26.58	276	26417	1.068	ng/ul	98

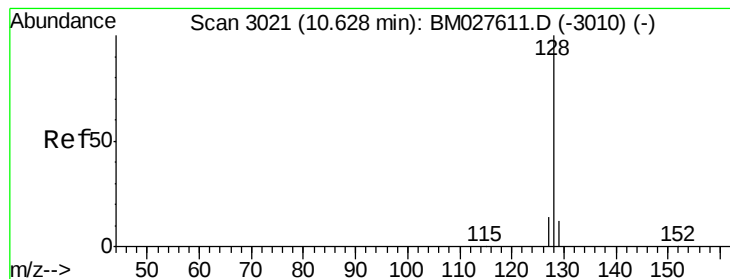
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.030 ng/ul

RT: 10.63 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BM027614.D

Acq: 05 Oct 2020 20:25

Instrument :

BNA_M

ClientSampleId :

C0AQ1

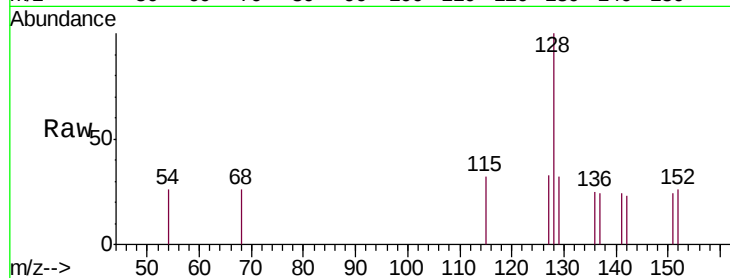
Tgt Ion:128 Resp: 281

Ion Ratio Lower Upper

128 100

129 31.6 9.9 14.9#

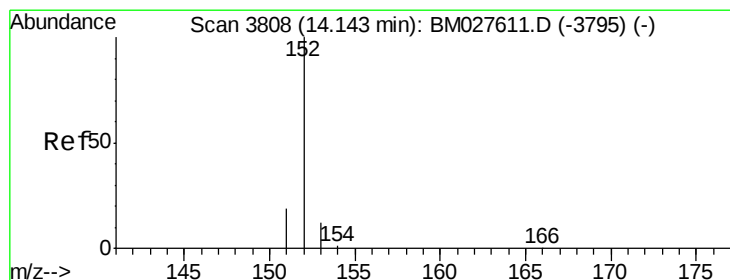
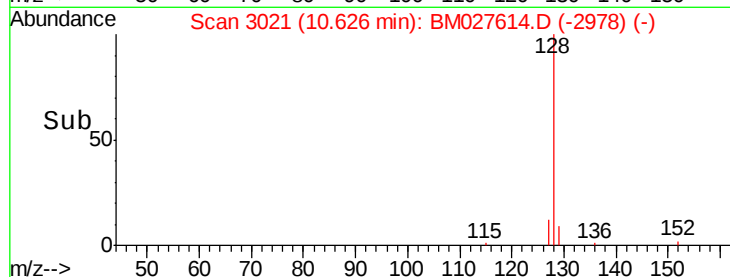
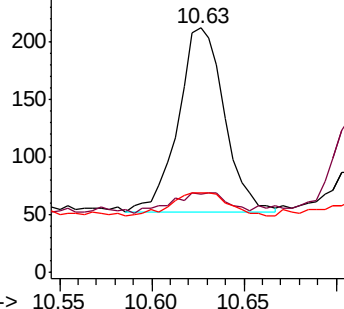
127 32.5 11.4 17.2#



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



#7

Acenaphthylene

Concen: 0.033 ng/ul

RT: 14.14 min Scan# 3808

Delta R.T. -0.00 min

Lab File: BM027614.D

Acq: 05 Oct 2020 20:25

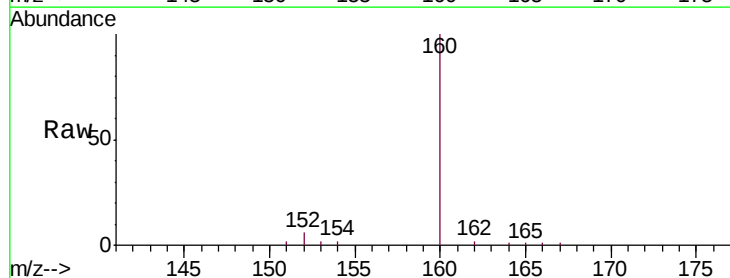
Tgt Ion:152 Resp: 389

Ion Ratio Lower Upper

152 100

151 34.7 16.6 24.8#

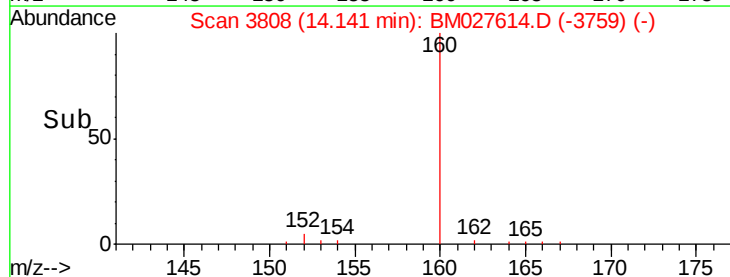
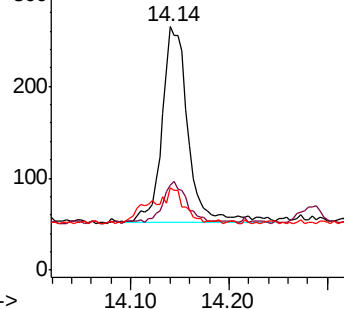
153 33.6 11.4 17.0#

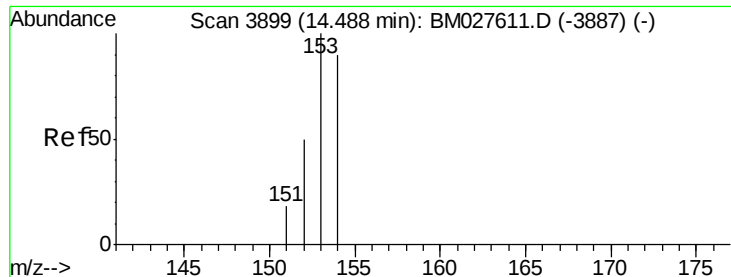


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.036 ng/ul

RT: 14.49 min Scan# 3899

Delta R.T. 0.00 min

Lab File: BM027614.D

Acq: 05 Oct 2020 20:25

Instrument :

BNA_M

ClientSampleId :

C0AQ1

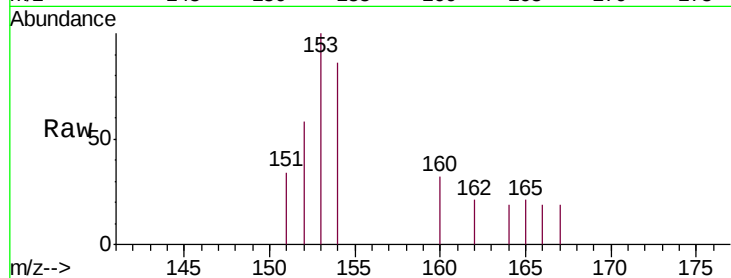
Tgt Ion:153 Resp: 302

Ion Ratio Lower Upper

153 100

152 58.2 42.8 64.2

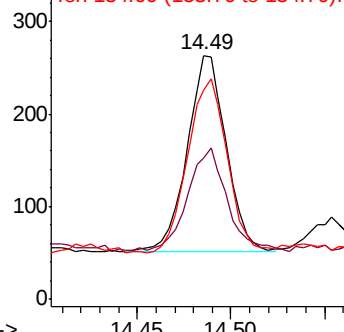
154 85.9 69.0 103.6



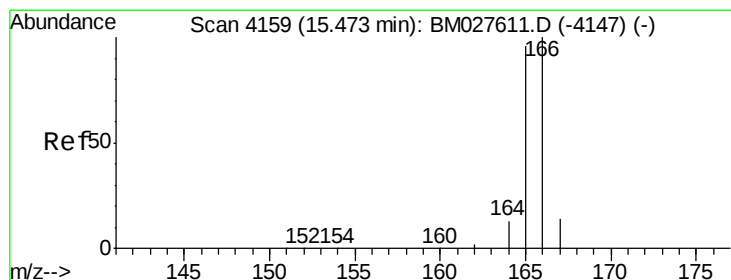
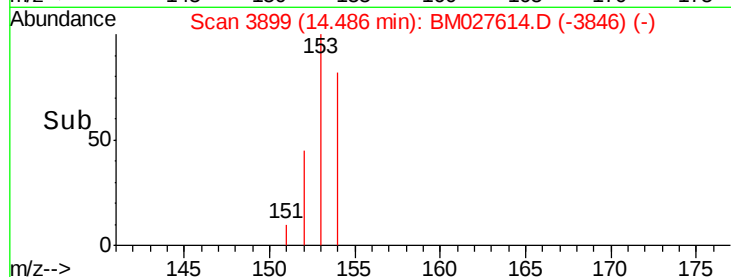
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#9

Fluorene

Concen: 0.047 ng/ul

RT: 15.48 min Scan# 4160

Delta R.T. 0.00 min

Lab File: BM027614.D

Acq: 05 Oct 2020 20:25

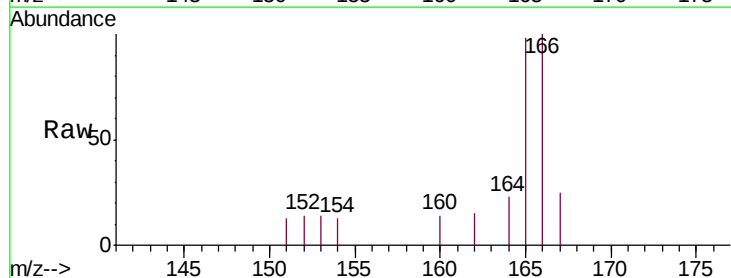
Tgt Ion:166 Resp: 492

Ion Ratio Lower Upper

166 100

165 98.3 77.2 115.8

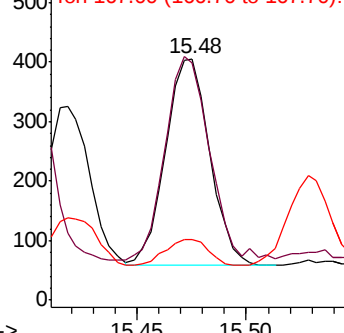
167 25.4 11.1 16.7#



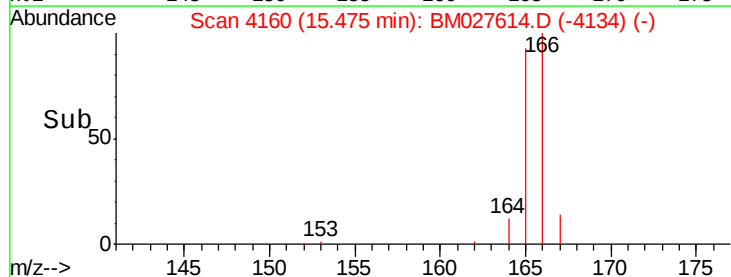
Abundance Ion 166.00 (165.70 to 166.70): E

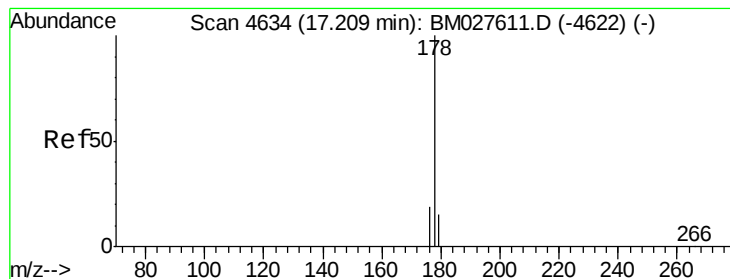
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





#12

Phenanthrene

Concen: 0.903 ng/ul

RT: 17.21 min Scan# 4634

Delta R.T. 0.00 min

Lab File: BM027614.D

Acq: 05 Oct 2020 20:25

Instrument :

BNA_M

ClientSampleId :

C0AQ1

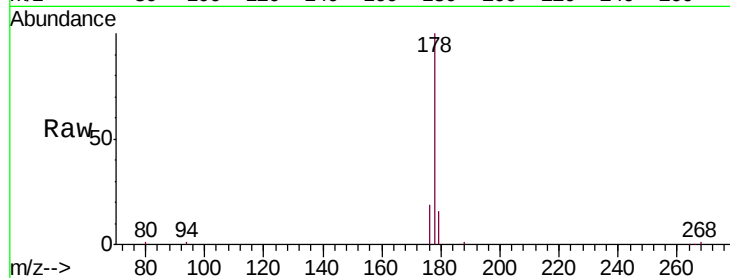
Tgt Ion:178 Resp: 15822

Ion Ratio Lower Upper

178 100

179 15.8 12.9 19.3

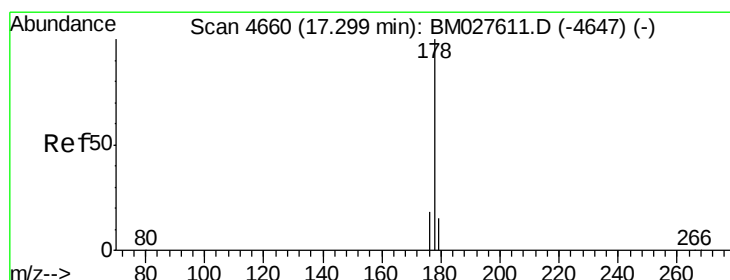
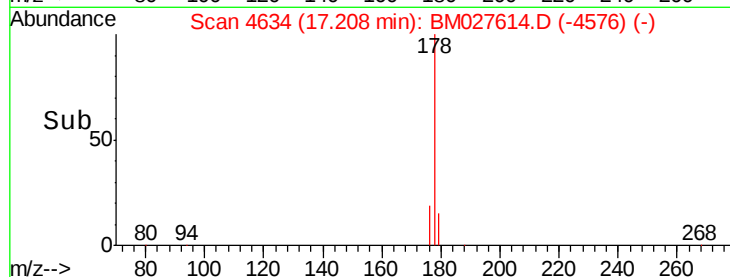
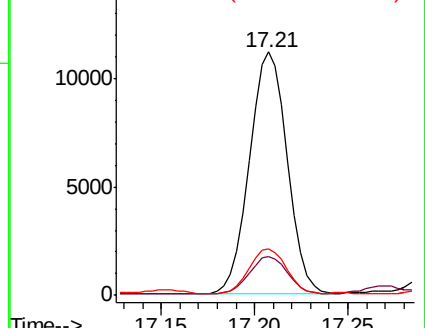
176 19.3 15.3 22.9



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: 0.145 ng/ul

RT: 17.30 min Scan# 4660

Delta R.T. 0.00 min

Lab File: BM027614.D

Acq: 05 Oct 2020 20:25

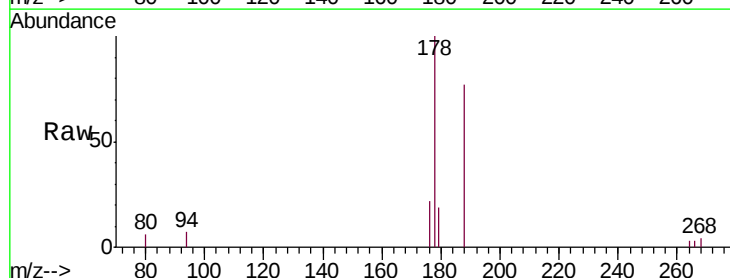
Tgt Ion:178 Resp: 2491

Ion Ratio Lower Upper

178 100

179 19.1 13.0 19.4

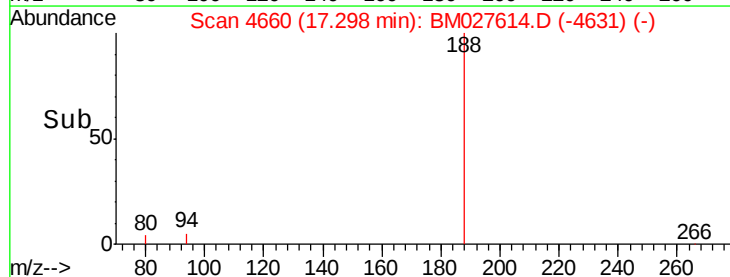
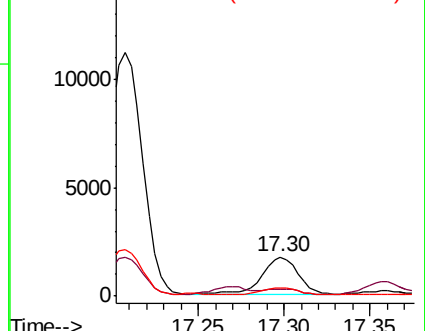
176 21.8 15.2 22.8

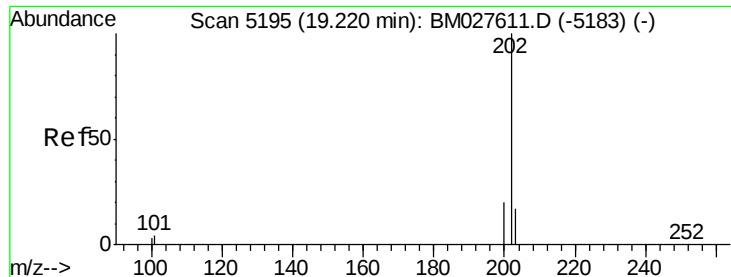


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 3.045 ng/ul

RT: 19.22 min Scan# 5196

Delta R.T. 0.00 min

Lab File: BM027614.D

Acq: 05 Oct 2020 20:25

Instrument :

BNA_M

ClientSampleId :

C0AQ1

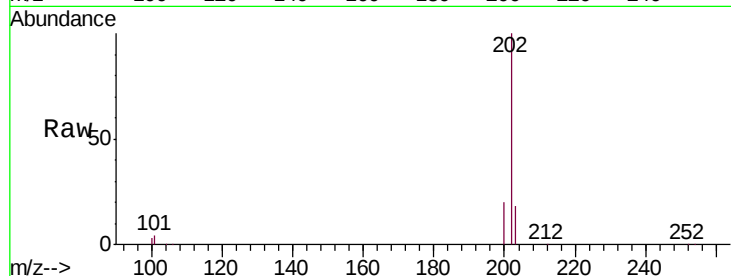
Tgt Ion:202 Resp: 64175

Ion Ratio Lower Upper

202 100

101 3.8 0.0 24.9

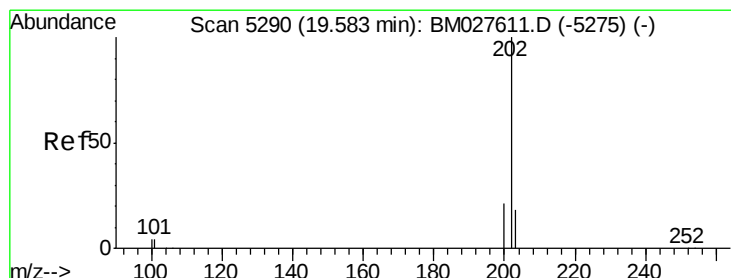
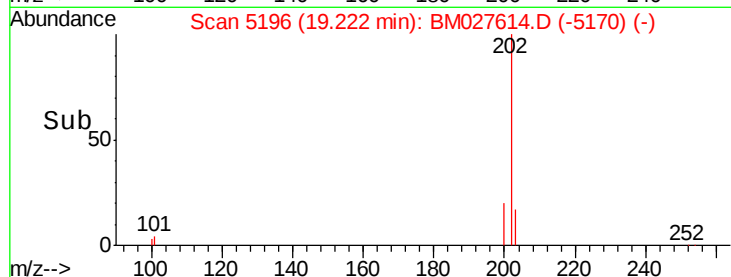
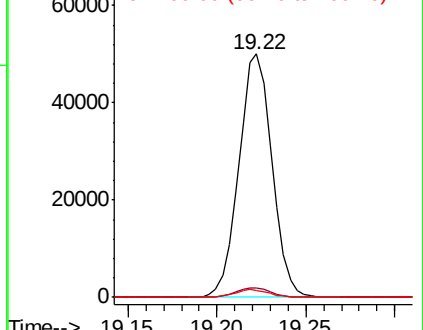
100 2.9 0.0 24.1



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



#17

Pyrene

Concen: 1.898 ng/ul

RT: 19.58 min Scan# 5291

Delta R.T. 0.00 min

Lab File: BM027614.D

Acq: 05 Oct 2020 20:25

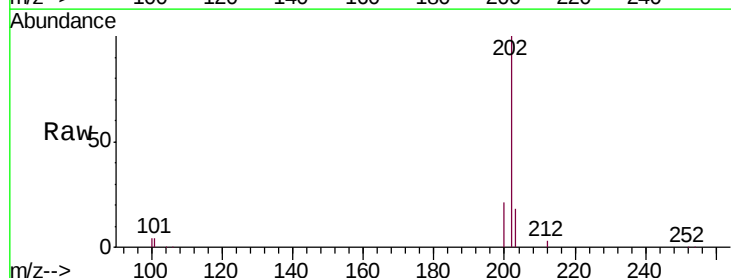
Tgt Ion:202 Resp: 53503

Ion Ratio Lower Upper

202 100

101 4.2 4.7 7.1#

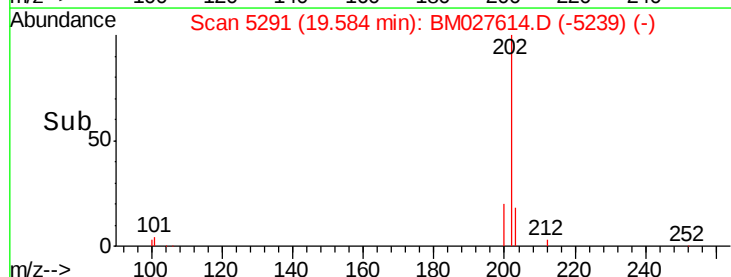
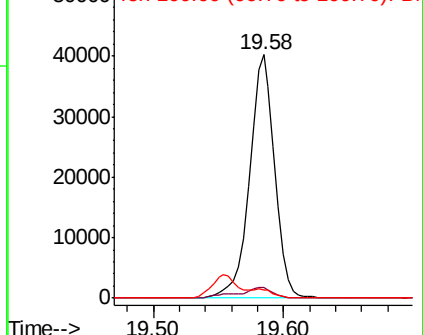
100 3.6 3.9 5.9#

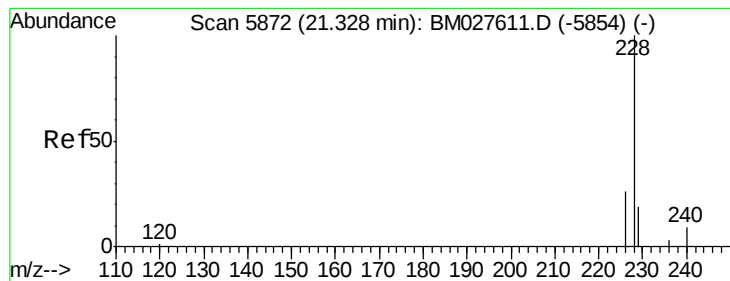


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 1.207 ng/ul

RT: 21.33 min Scan# 5873

Delta R.T. -0.00 min

Lab File: BM027614.D

Acq: 05 Oct 2020 20:25

Instrument :

BNA_M

ClientSampleId :

C0AQ1

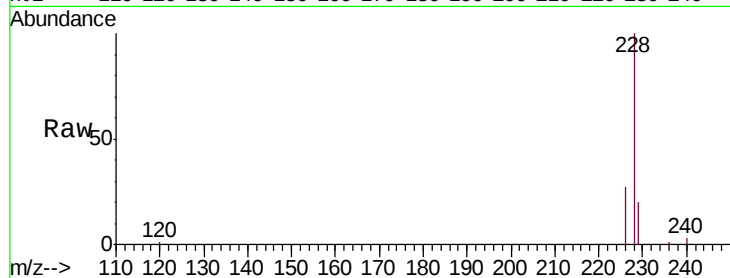
Tgt Ion:228 Resp: 29244

Ion Ratio Lower Upper

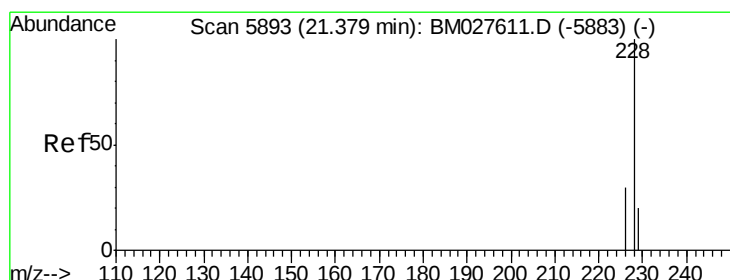
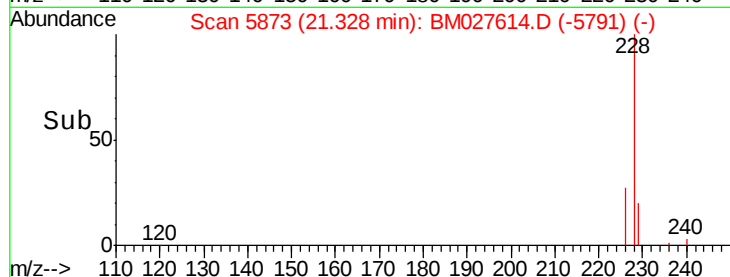
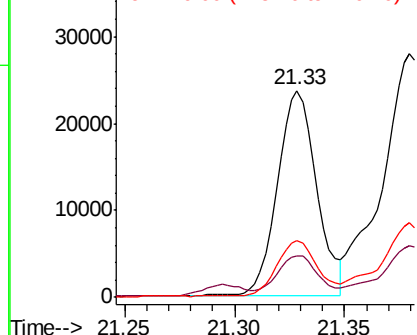
228 100

229 20.3 15.6 23.4

226 27.5 21.8 32.8



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: 1.644 ng/ul

RT: 21.38 min Scan# 5894

Delta R.T. -0.00 min

Lab File: BM027614.D

Acq: 05 Oct 2020 20:25

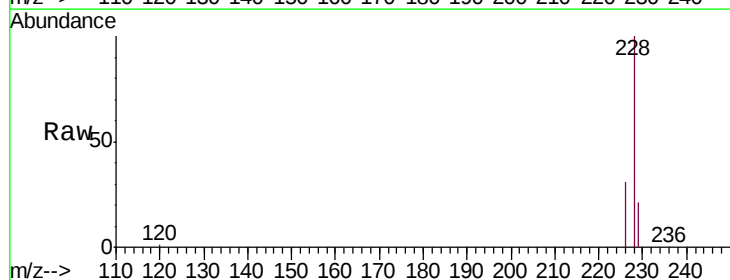
Tgt Ion:228 Resp: 41256

Ion Ratio Lower Upper

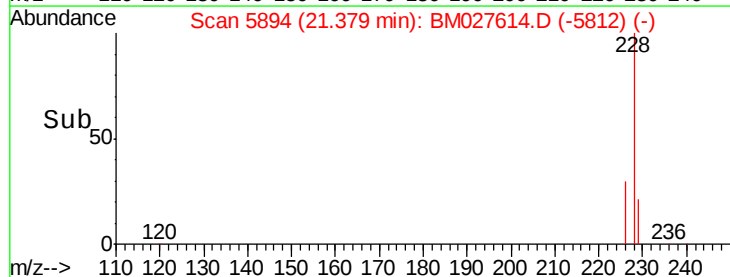
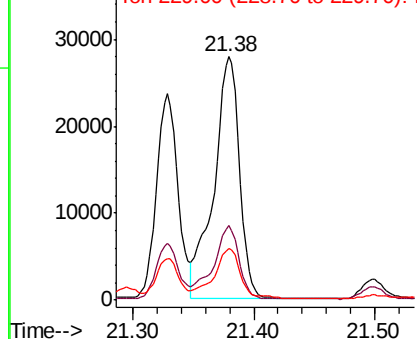
228 100

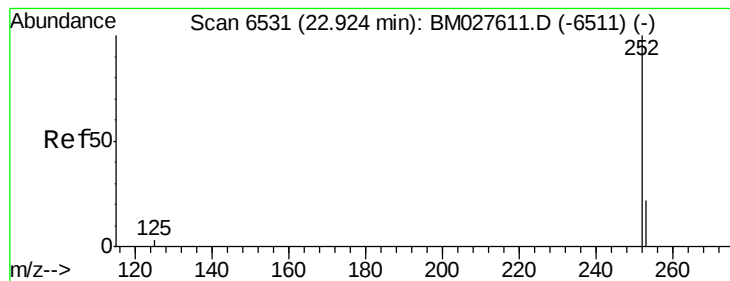
226 30.6 24.2 36.4

229 21.3 15.8 23.8



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: 3.228 ng/ul

RT: 22.92 min Scan# 6532

Delta R.T. -0.00 min

Lab File: BM027614.D

Acq: 05 Oct 2020 20:25

Instrument :

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C0AQ1

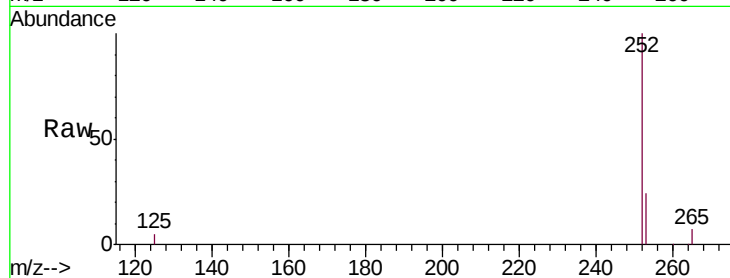
Tgt Ion:252 Resp: 82061

Ion Ratio Lower Upper

252 100

253 23.9 0.0 48.2

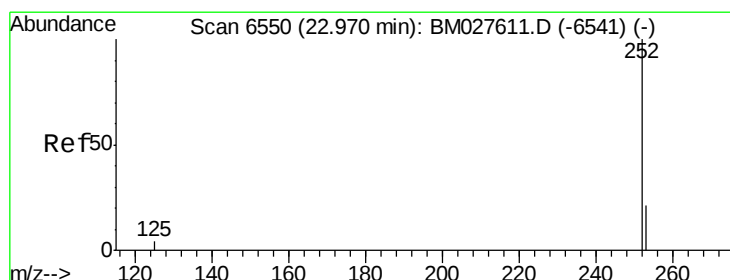
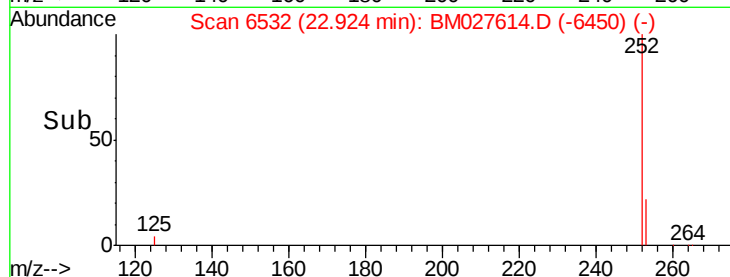
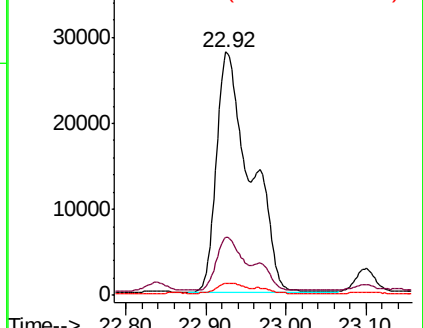
125 5.0 0.0 10.6



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



#22

Benzo(k)fluoranthene

Concen: 3.105 ng/ul

RT: 22.92 min Scan# 6532

Delta R.T. -0.05 min

Lab File: BM027614.D

Acq: 05 Oct 2020 20:25

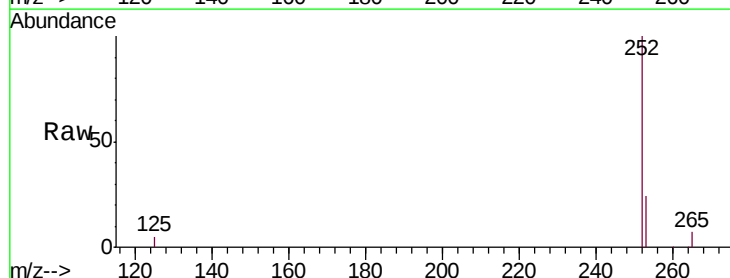
Tgt Ion:252 Resp: 82061

Ion Ratio Lower Upper

252 100

253 23.9 19.1 28.7

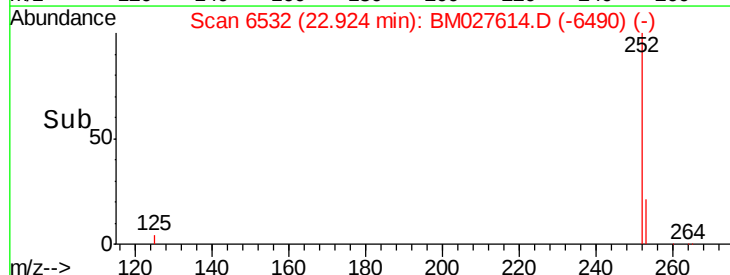
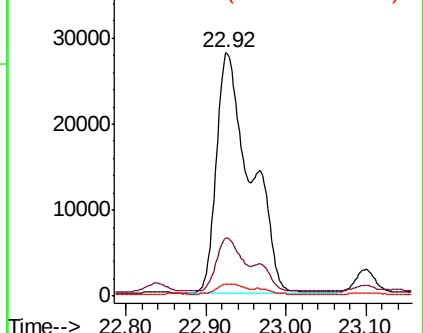
125 5.0 5.0 7.4

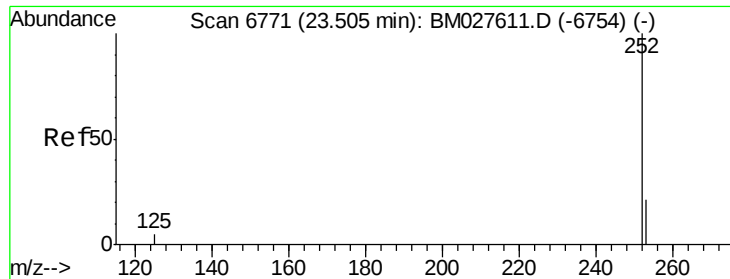


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.463 ng/u1

RT: 23.51 min Scan# 6772

Delta R.T. -0.00 min

Lab File: BM027614.D

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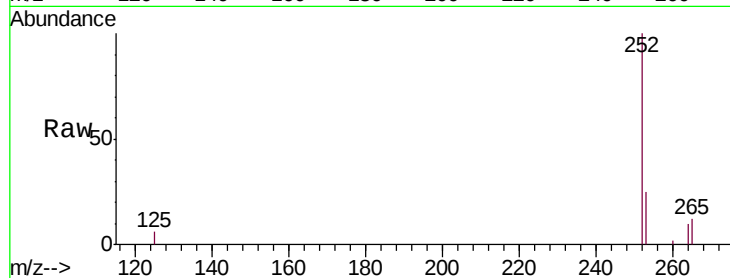
Tgt Ion:252 Resp: 33292

Ion Ratio Lower Upper

252 100

253 24.7 19.6 29.4

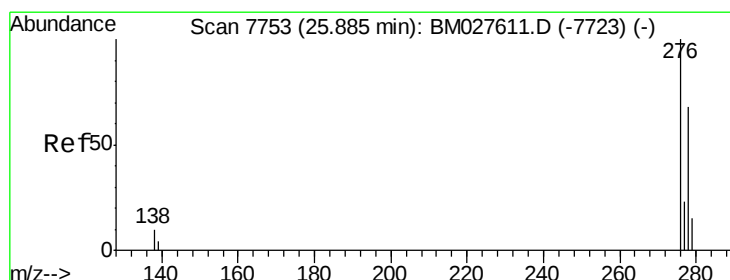
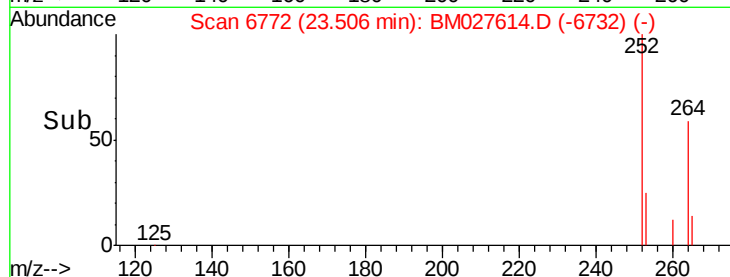
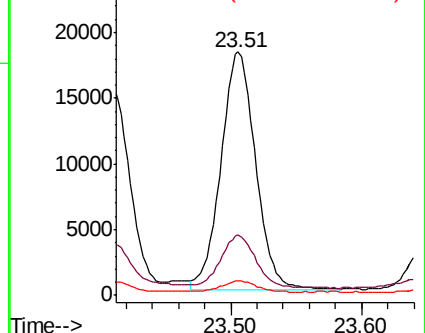
125 5.9 5.0 7.6



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.994 ng/u1

RT: 25.88 min Scan# 7751

Delta R.T. -0.01 min

Lab File: BM027614.D

Acq: 05 Oct 2020 20:25

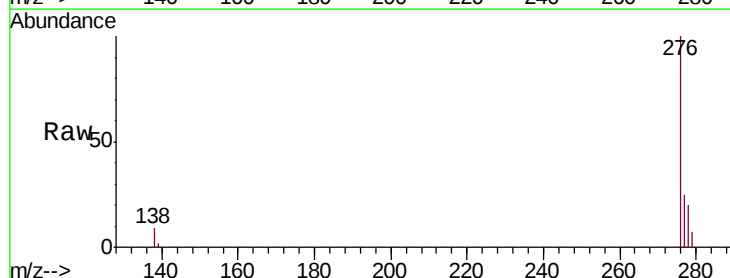
Tgt Ion:276 Resp: 29135

Ion Ratio Lower Upper

276 100

138 8.7 8.6 12.8

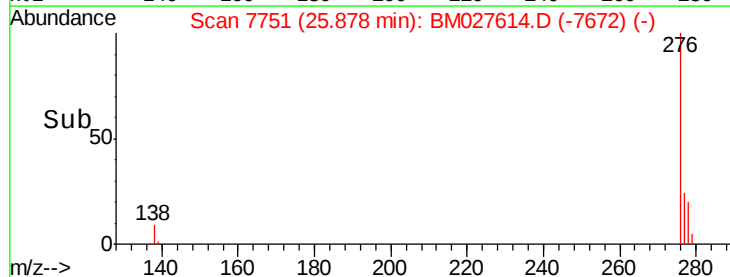
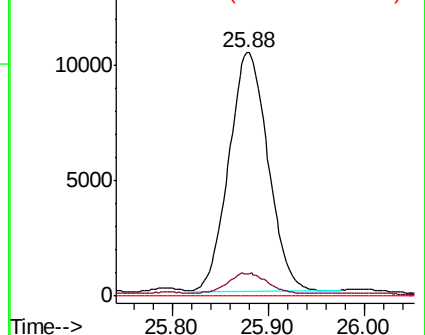
227 0.0 0.0 0.0

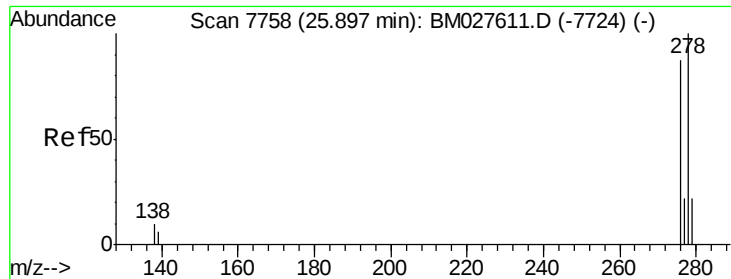


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.303 ng/ul

RT: 25.89 min Scan# 7755

Delta R.T. -0.01 min

Lab File: BM027614.D

Acq: 05 Oct 2020 20:25

Instrument :

BNA_M

ClientSampleId :

C0AQ1

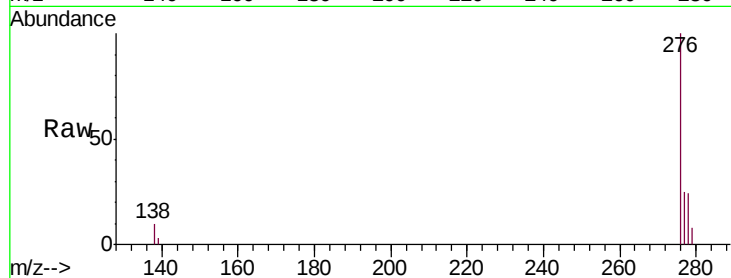
Tgt Ion:278 Resp: 7330

Ion Ratio Lower Upper

278 100

139 11.2 7.6 11.4

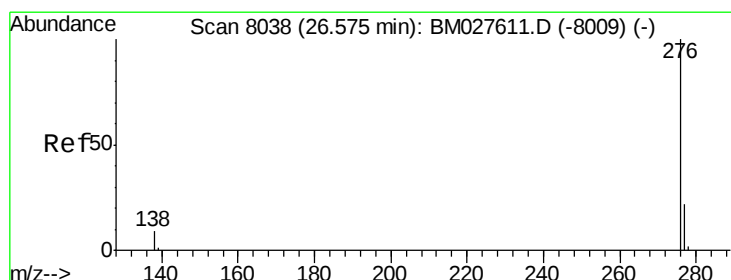
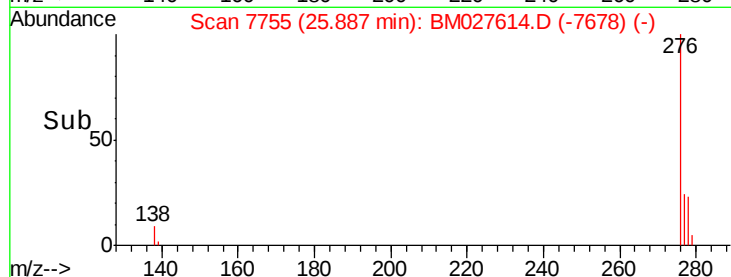
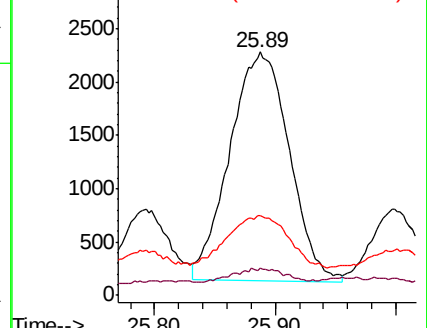
279 32.7 20.7 31.1#



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



#26

Benzo(g,h,i)perylene

Concen: 1.068 ng/ul

RT: 26.58 min Scan# 8039

Delta R.T. -0.01 min

Lab File: BM027614.D

Acq: 05 Oct 2020 20:25

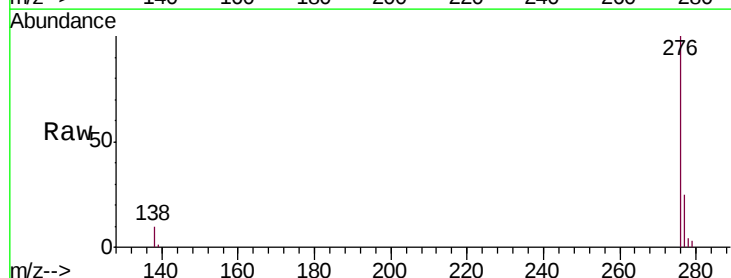
Tgt Ion:276 Resp: 26417

Ion Ratio Lower Upper

276 100

138 9.6 9.0 13.4

277 24.9 19.4 29.0



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

