

Data File : BM027615.D
Acq On : 05 Oct 2020 21:01
Operator : JU/CG
Sample : L4184-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AL5

Quant Time: Oct 06 01:25:10 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	1308	0.40	ng/ul	0.00
2) Naphthalene-d8	10.58	136	3820	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	1755	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.17	188	6830	0.40	ng/ul	0.00
16) Chrysene-d12	21.34	240	7637	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	8252	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.17	152	971	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.19	212	3434	0.18	ng/ul	0.00

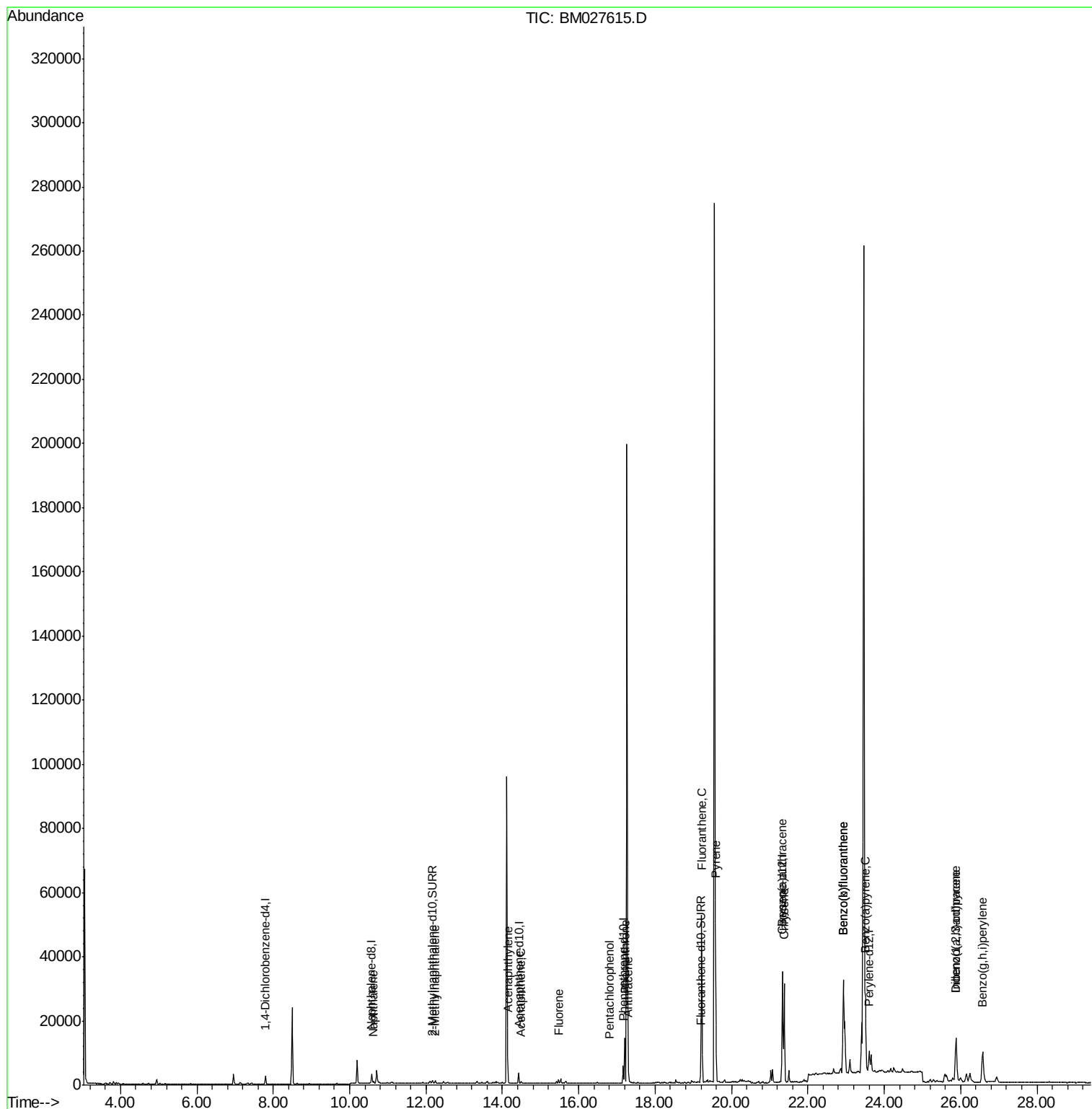
Target Compounds				Qvalue		
3) Naphthalene	10.63	128	590	0.053	ng/ul#	78
5) 2-Methylnaphthalene	12.24	142	486	0.060	ng/ul	99
7) Acenaphthylene	14.14	152	850	0.095	ng/ul#	85
8) Acenaphthene	14.49	153	308	0.048	ng/ul	95
9) Fluorene	15.48	166	656	0.083	ng/ul#	95
11) Pentachlorophenol	16.82	266	44	0.024	ng/ul#	77
12) Phenanthrene	17.21	178	14481	0.687	ng/ul	99
13) Anthracene	17.30	178	3484	0.169	ng/ul	96
15) Fluoranthene	19.22	202	47769	1.884	ng/ul	97
17) Pyrene	19.58	202	43576	1.251	ng/ul#	96
18) Benzo(a)anthracene	21.33	228	27406	0.915	ng/ul	98
19) Chrysene	21.38	228	30759	0.991	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	65278	1.963	ng/ul	97
22) Benzo(k)fluoranthene	22.93	252	65278	1.888	ng/ul#	97
23) Benzo(a)pyrene	23.51	252	29709	0.998	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.88	276	24531	0.640	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.89	278	6547	0.207	ng/ul#	85
26) Benzo(g,h,i)perylene	26.58	276	22486	0.695	ng/ul	98

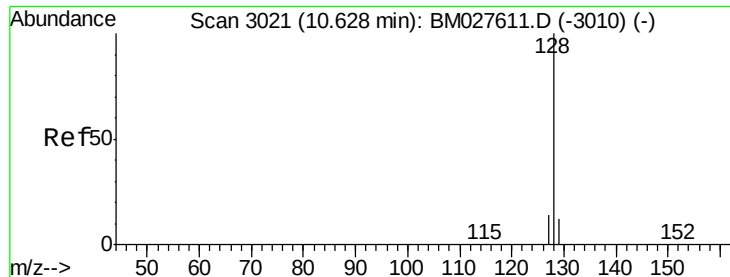
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.053 ng/ul

RT: 10.63 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BM027615.D

Acq: 05 Oct 2020 21:01

Instrument :

BNA_M

ClientSampleId :

C0AL5

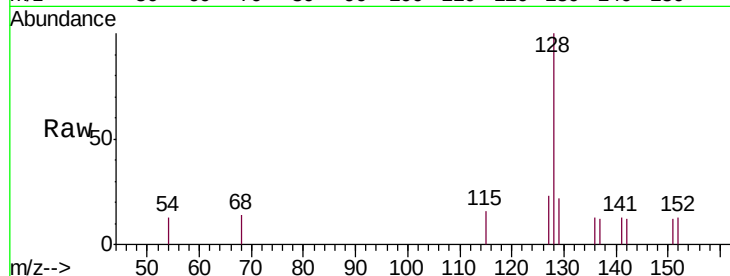
Tgt Ion:128 Resp: 590

Ion Ratio Lower Upper

128 100

129 21.6 9.9 14.9#

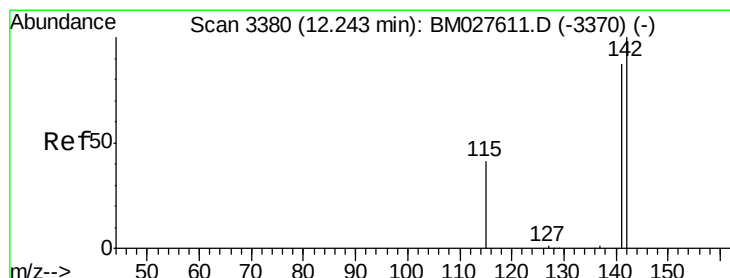
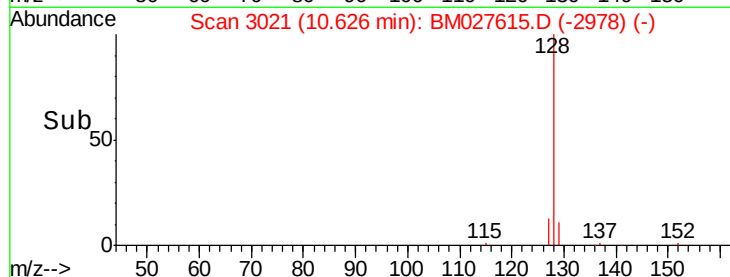
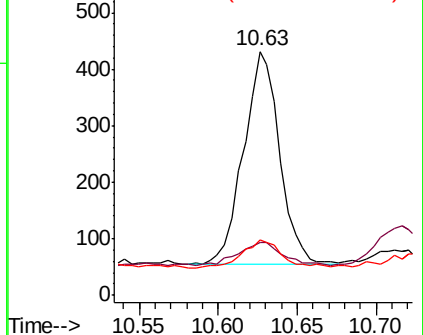
127 22.7 11.4 17.2#



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



#5

2-Methylnaphthalene

Concen: 0.060 ng/ul

RT: 12.24 min Scan# 3380

Delta R.T. -0.00 min

Lab File: BM027615.D

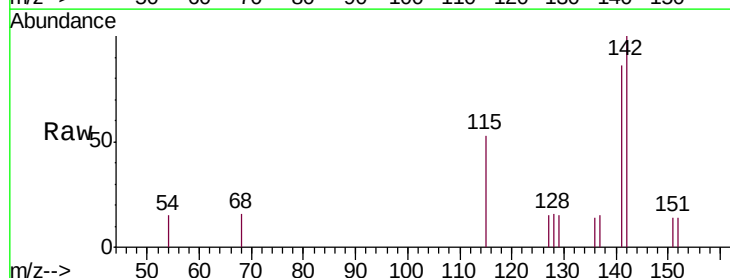
Acq: 05 Oct 2020 21:01

Tgt Ion:142 Resp: 486

Ion Ratio Lower Upper

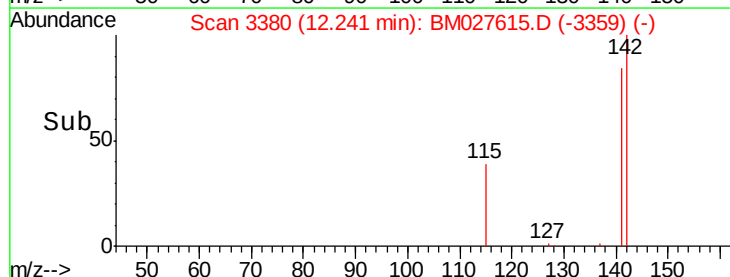
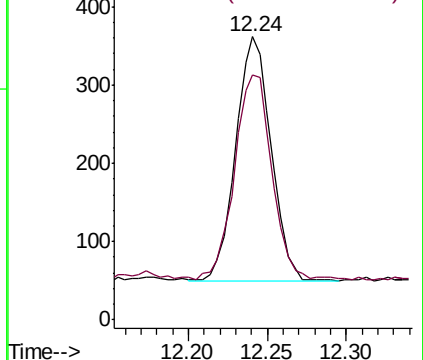
142 100

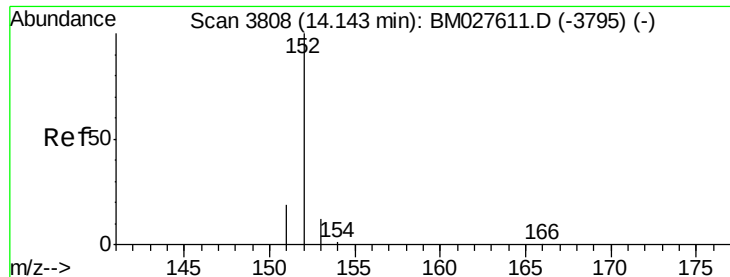
141 87.4 70.9 106.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.095 ng/ul

RT: 14.14 min Scan# 3809

Delta R.T. -0.00 min

Lab File: BM027615.D

Acq: 05 Oct 2020 21:01

Instrument :

BNA_M

ClientSampleId :

C0AL5

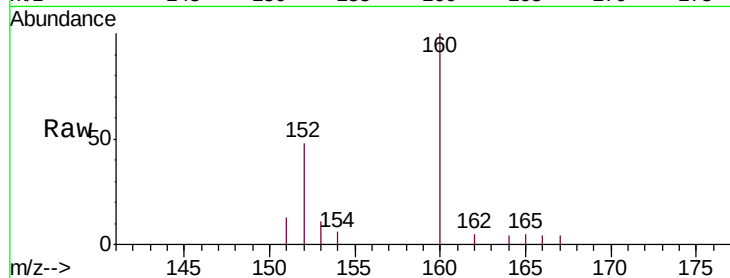
Tgt Ion:152 Resp: 850

Ion Ratio Lower Upper

152 100

151 26.3 16.6 24.8#

153 22.0 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

14.14

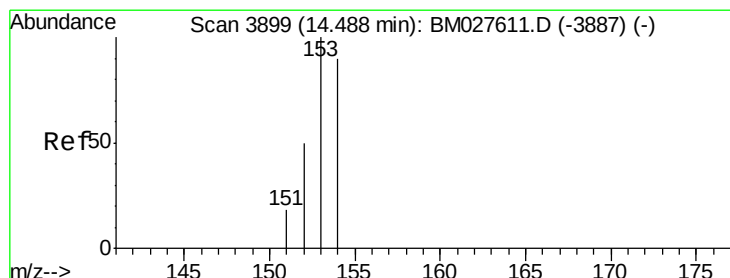
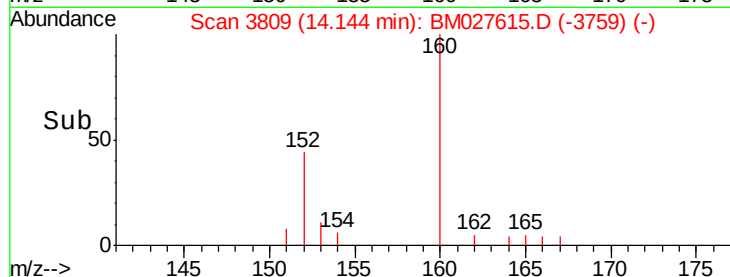
600

400

200

0

Time-->



#8

Acenaphthene

Concen: 0.048 ng/ul

RT: 14.49 min Scan# 3899

Delta R.T. -0.00 min

Lab File: BM027615.D

Acq: 05 Oct 2020 21:01

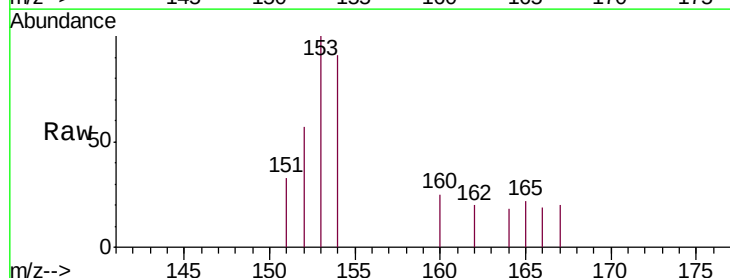
Tgt Ion:153 Resp: 308

Ion Ratio Lower Upper

153 100

152 57.0 42.8 64.2

154 90.9 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

14.49

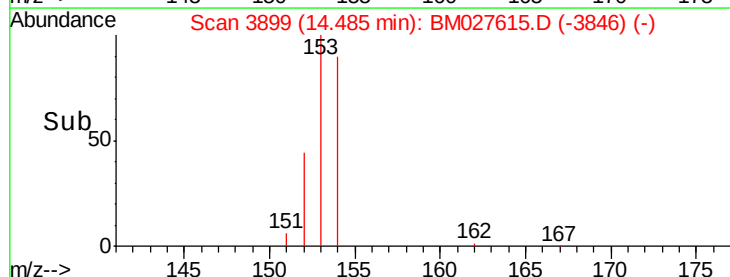
300

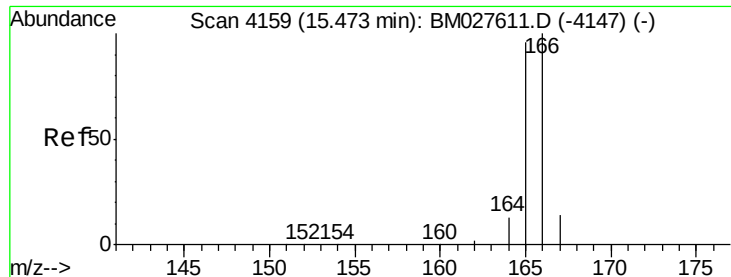
200

100

0

Time-->

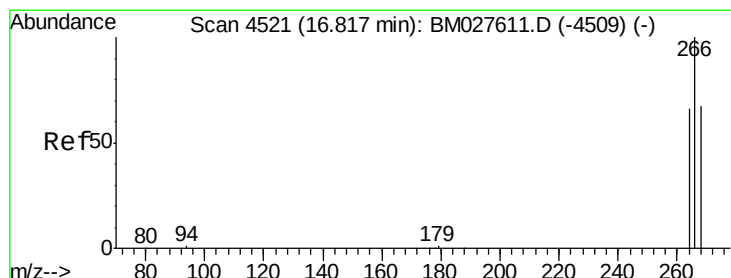
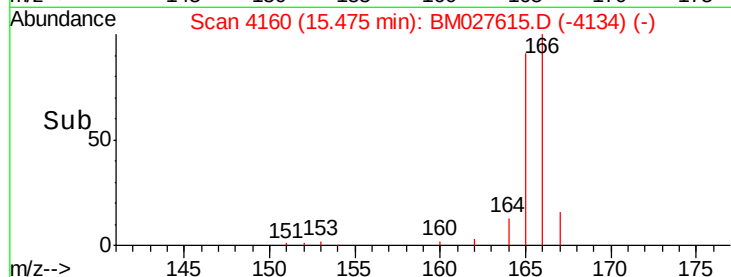
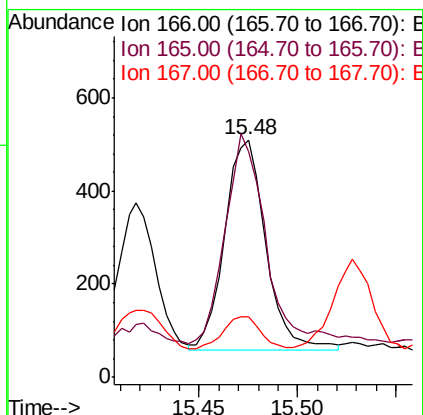
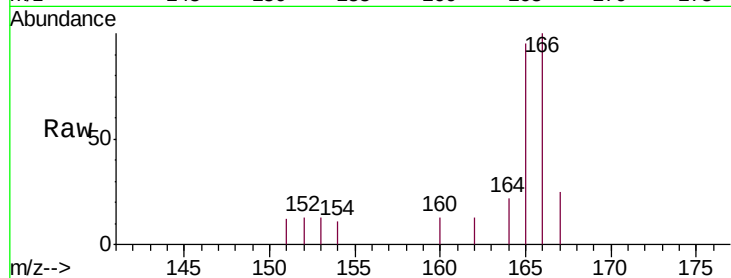




#9
 Fluorene
 Concen: 0.083 ng/ul
 RT: 15.48 min Scan# 4160
 Delta R.T. -0.00 min
 Lab File: BM027615.D
 Acq: 05 Oct 2020 21:01

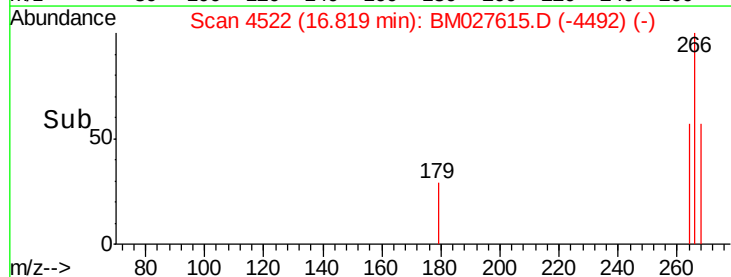
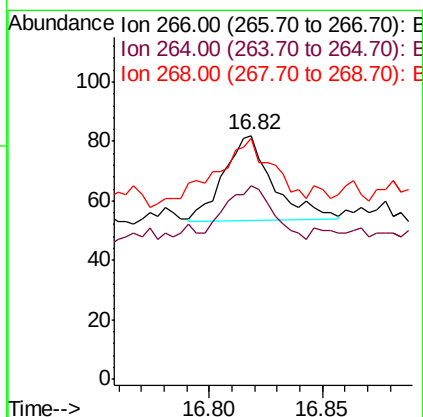
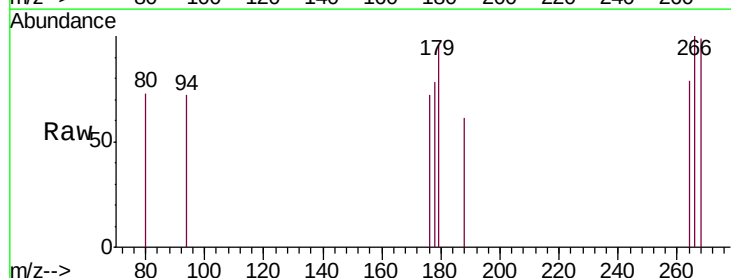
Instrument :
 BNA_M
 ClientSampleId :
 C0AL5

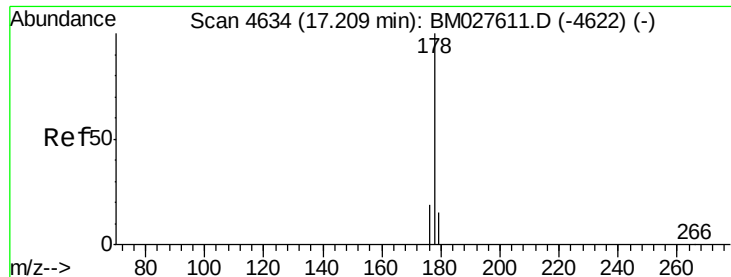
Tgt Ion:166 Resp: 656
 Ion Ratio Lower Upper
 166 100
 165 94.9 77.2 115.8
 167 25.3 11.1 16.7#



#11
 Pentachlorophenol
 Concen: 0.024 ng/ul
 RT: 16.82 min Scan# 4522
 Delta R.T. 0.00 min
 Lab File: BM027615.D
 Acq: 05 Oct 2020 21:01

Tgt Ion:266 Resp: 44
 Ion Ratio Lower Upper
 266 100
 264 59.1 50.2 75.4
 268 95.5 50.2 75.4#





#12

Phenanthrene

Concen: 0.687 ng/ul

RT: 17.21 min Scan# 4634

Delta R.T. -0.00 min

Lab File: BM027615.D

Acq: 05 Oct 2020 21:01

Instrument :

BNA_M

ClientSampleId :

C0AL5

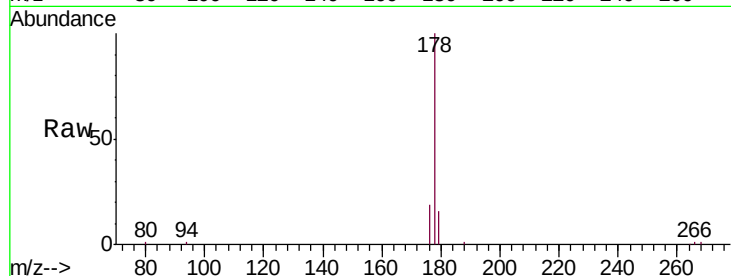
Tgt Ion:178 Resp: 14481

Ion Ratio Lower Upper

178 100

179 15.7 12.9 19.3

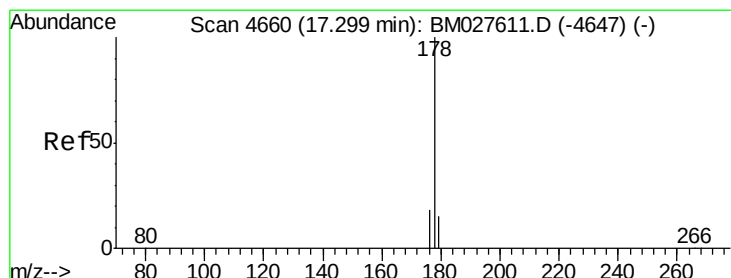
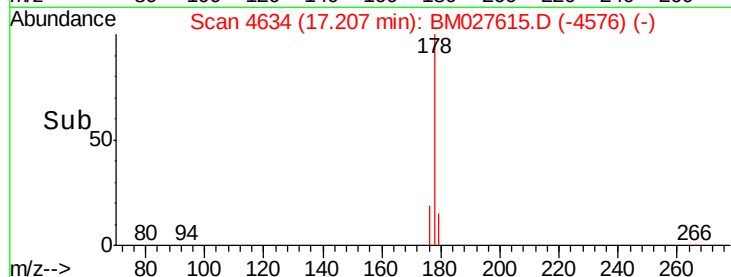
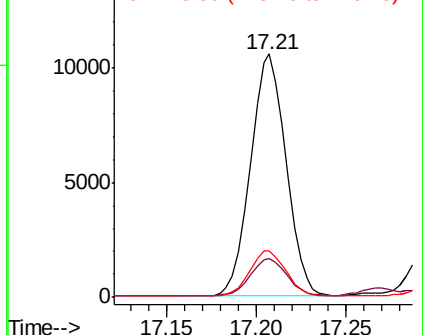
176 19.2 15.3 22.9



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: 0.169 ng/ul

RT: 17.30 min Scan# 4660

Delta R.T. -0.00 min

Lab File: BM027615.D

Acq: 05 Oct 2020 21:01

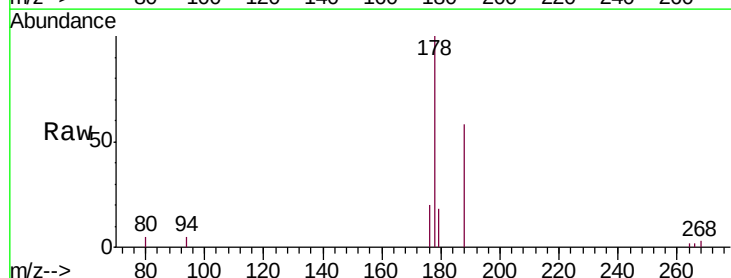
Tgt Ion:178 Resp: 3484

Ion Ratio Lower Upper

178 100

179 18.3 13.0 19.4

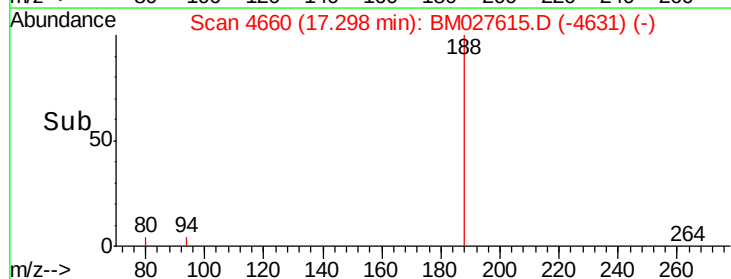
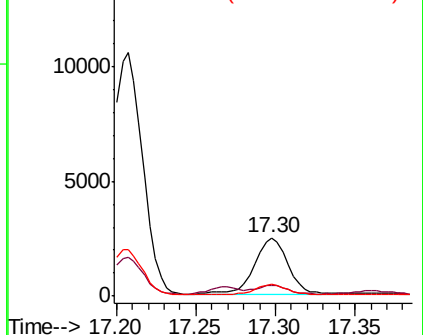
176 20.1 15.2 22.8

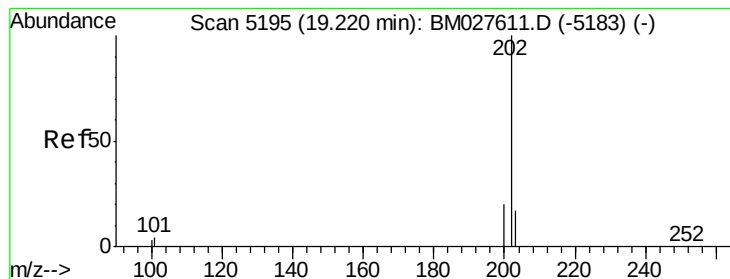


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 1.884 ng/ul

RT: 19.22 min Scan# 5196

Delta R.T. -0.00 min

Lab File: BM027615.D

Acq: 05 Oct 2020 21:01

Instrument :

BNA_M

ClientSampleId :

COAL5

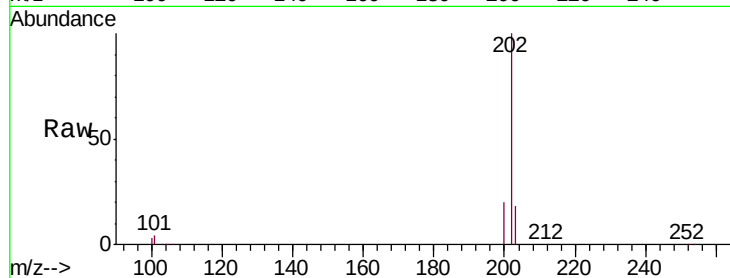
Tgt Ion:202 Resp: 47769

Ion Ratio Lower Upper

202 100

101 3.8 0.0 24.9

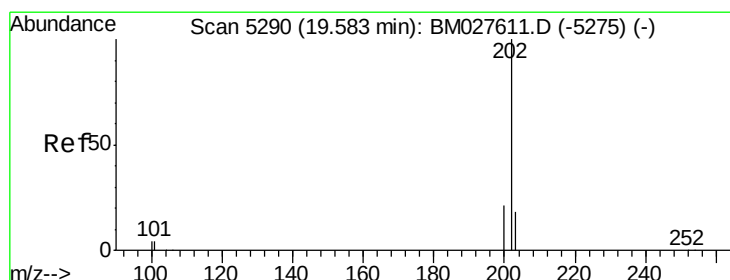
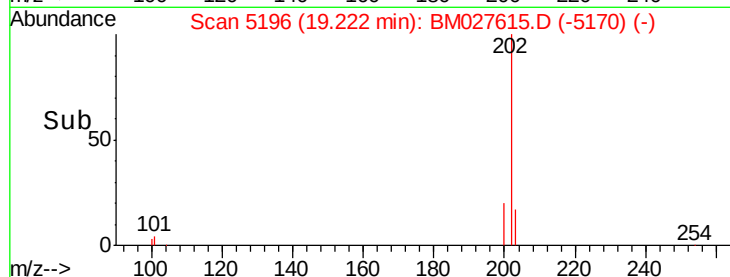
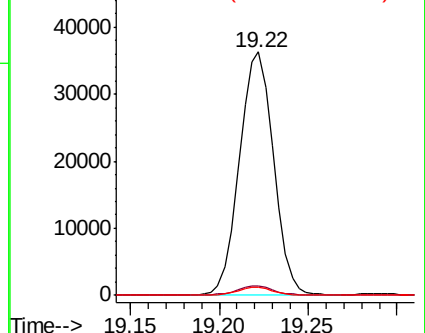
100 3.1 0.0 24.1



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: 1.251 ng/ul

RT: 19.58 min Scan# 5291

Delta R.T. -0.00 min

Lab File: BM027615.D

Acq: 05 Oct 2020 21:01

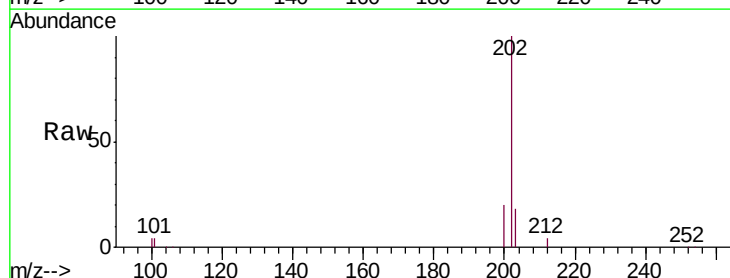
Tgt Ion:202 Resp: 43576

Ion Ratio Lower Upper

202 100

101 4.4 4.7 7.1#

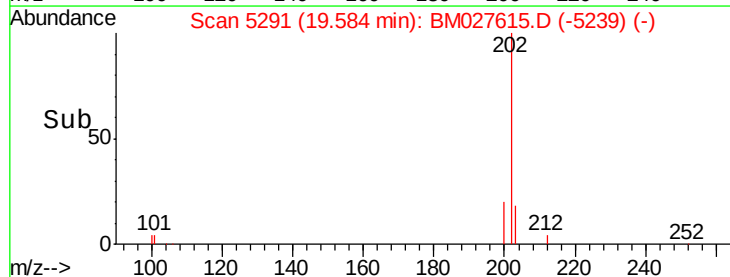
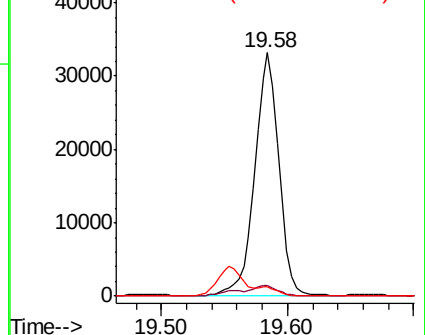
100 3.8 3.9 5.9#

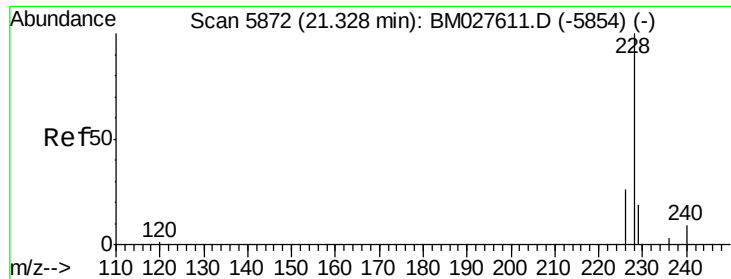


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.915 ng/ul

RT: 21.33 min Scan# 5873

Delta R.T. -0.00 min

Lab File: BM027615.D

Acq: 05 Oct 2020 21:01

Instrument :

BNA_M

ClientSampleId :

C0AL5

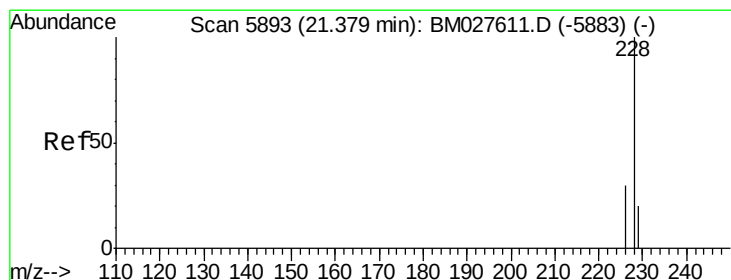
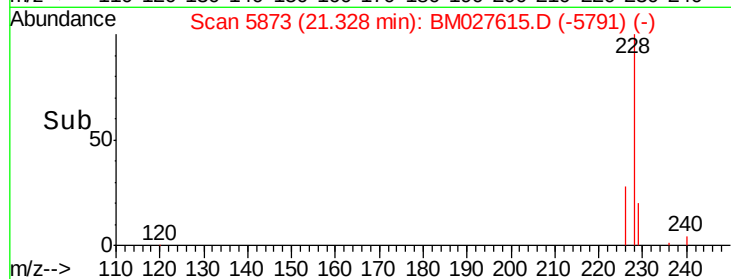
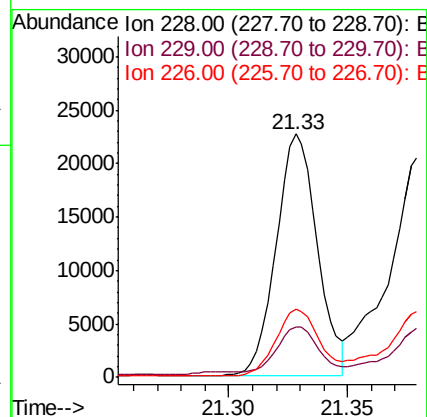
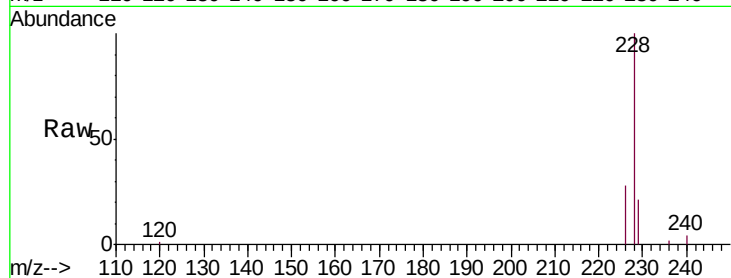
Tgt Ion:228 Resp: 27406

Ion Ratio Lower Upper

228 100

229 20.7 15.6 23.4

226 28.3 21.8 32.8



#19

Chrysene

Concen: 0.991 ng/ul

RT: 21.38 min Scan# 5894

Delta R.T. -0.00 min

Lab File: BM027615.D

Acq: 05 Oct 2020 21:01

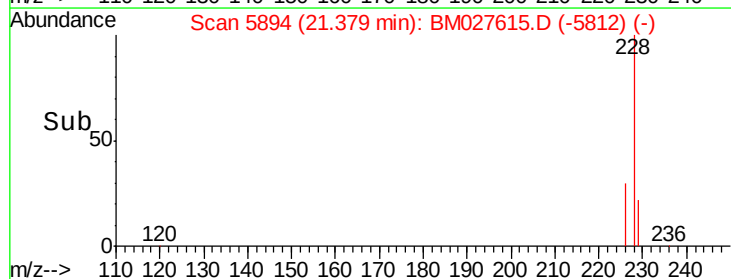
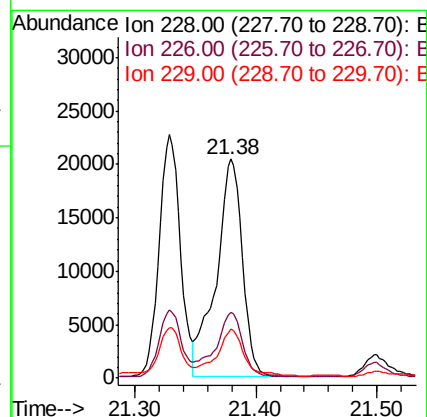
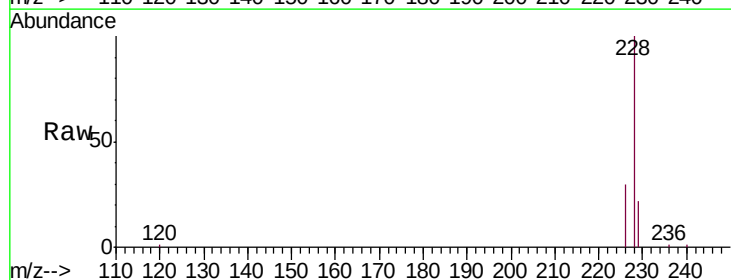
Tgt Ion:228 Resp: 30759

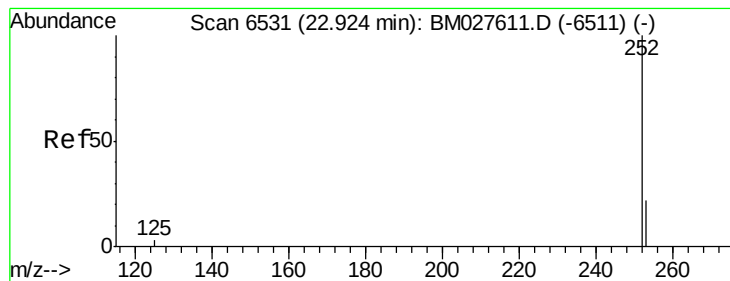
Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.4

229 22.3 15.8 23.8





#21

Benzo(b)fluoranthene

Concen: 1.963 ng/ul

RT: 22.93 min Scan# 6533

Delta R.T. -0.00 min

Lab File: BM027615.D

Acq: 05 Oct 2020 21:01

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C0AL5

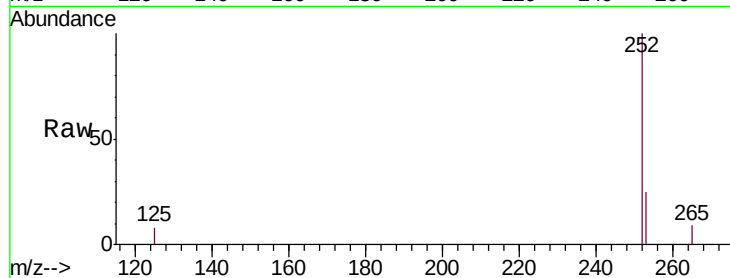
Tgt Ion:252 Resp: 65278

Ion Ratio Lower Upper

252 100

253 24.9 0.0 48.2

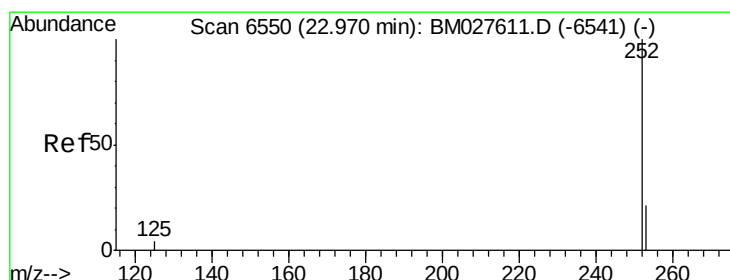
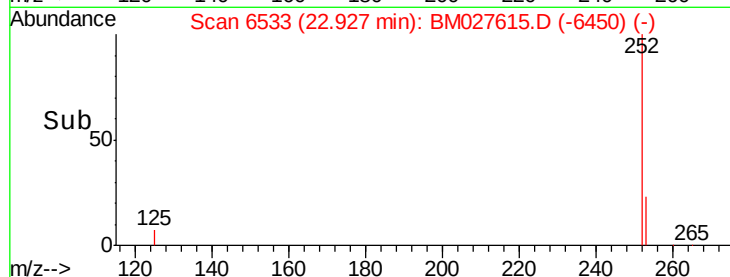
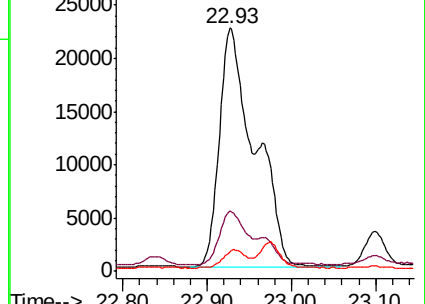
125 7.9 0.0 10.6



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: 1.888 ng/ul

RT: 22.93 min Scan# 6533

Delta R.T. -0.05 min

Lab File: BM027615.D

Acq: 05 Oct 2020 21:01

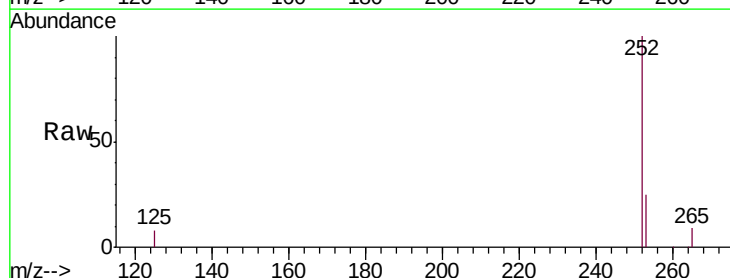
Tgt Ion:252 Resp: 65278

Ion Ratio Lower Upper

252 100

253 24.9 19.1 28.7

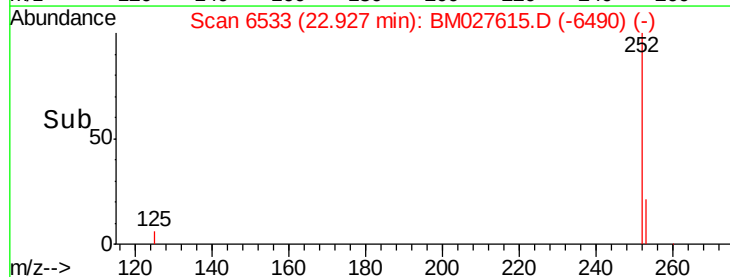
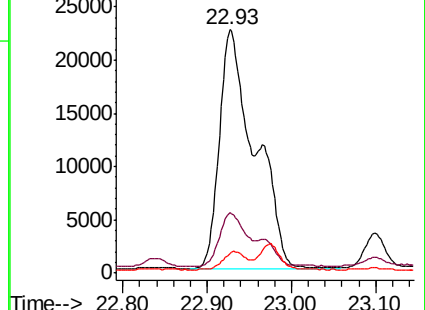
125 7.9 5.0 7.4#

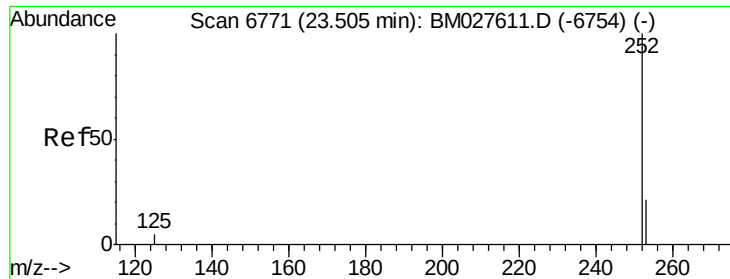


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.998 ng/ul

RT: 23.51 min Scan# 6772

Delta R.T. -0.00 min

Lab File: BM027615.D

Acq: 05 Oct 2020 21:01

Instrument :

BNA_M

ClientSampleId :

C0AL5

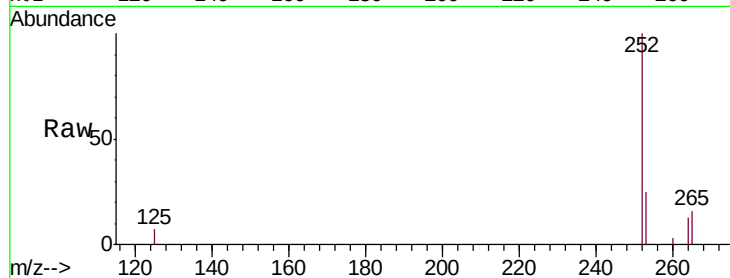
Tgt Ion:252 Resp: 29709

Ion Ratio Lower Upper

252 100

253 25.2 19.6 29.4

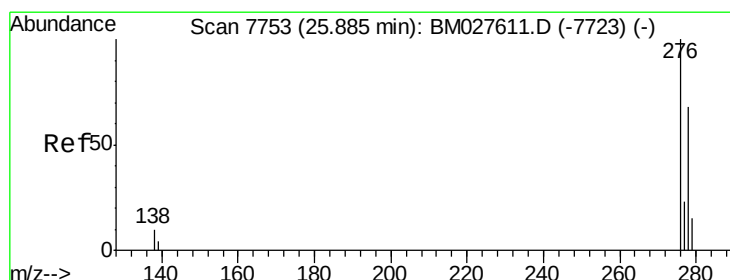
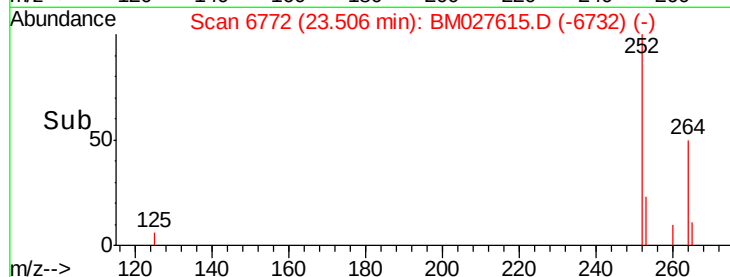
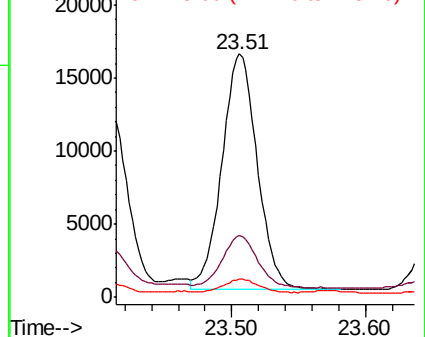
125 7.4 5.0 7.6



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: 0.640 ng/ul

RT: 25.88 min Scan# 7752

Delta R.T. -0.01 min

Lab File: BM027615.D

Acq: 05 Oct 2020 21:01

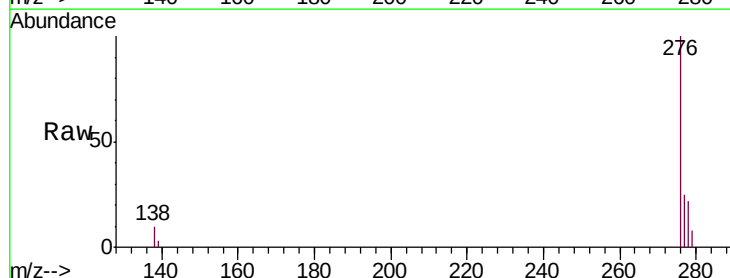
Tgt Ion:276 Resp: 24531

Ion Ratio Lower Upper

276 100

138 9.0 8.6 12.8

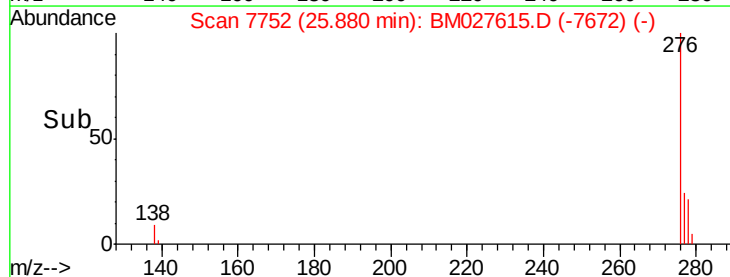
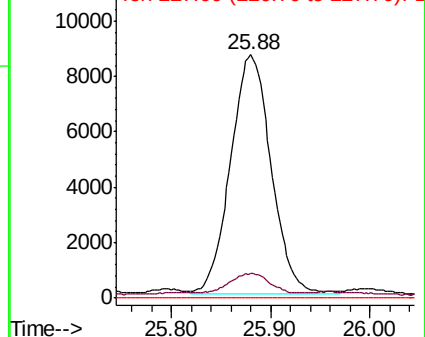
227 0.0 0.0 0.0

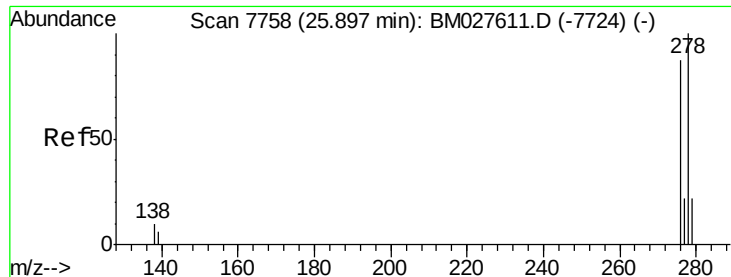


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.207 ng/ul

RT: 25.89 min Scan# 7756

Delta R.T. -0.01 min

Lab File: BM027615.D

Acq: 05 Oct 2020 21:01

Instrument :

BNA_M

ClientSampled :

COAL5

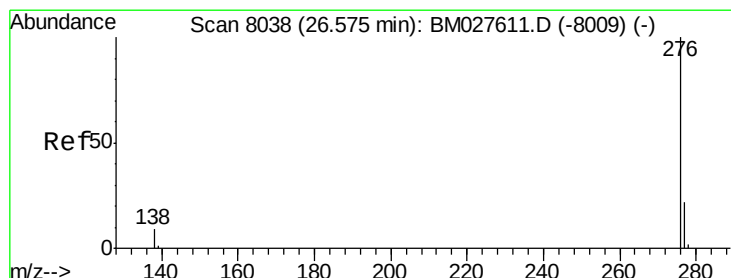
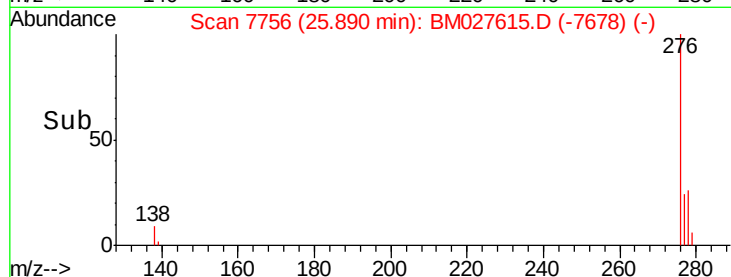
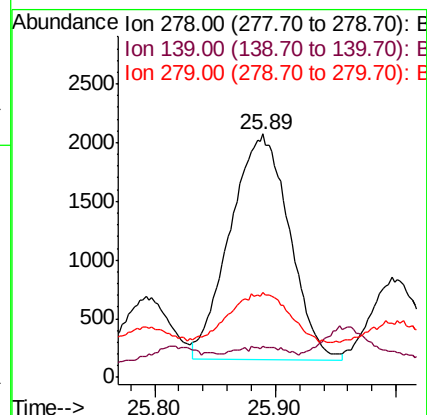
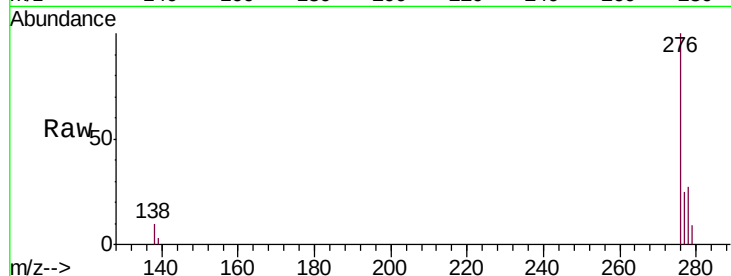
Tgt Ion: 278 Resp: 6547

Ion Ratio Lower Upper

278 100

139 12.9 7.6 11.4#

279 34.9 20.7 31.1#



#26

Benzo(g,h,i)perylene

Concen: 0.695 ng/ul

RT: 26.58 min Scan# 8040

Delta R.T. -0.00 min

Lab File: BM027615.D

Acq: 05 Oct 2020 21:01

Tgt Ion: 276 Resp: 22486

Ion Ratio Lower Upper

276 100

138 10.3 9.0 13.4

277 24.9 19.4 29.0

