

Data File : BM027587.D
Acq On : 02 Oct 2020 18:46
Operator : JU/CG
Sample : L4166-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE4

Quant Time: Oct 03 01:37:04 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 : Fri Oct 02 13:04:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1089	0.40	ng/ul	0.00
2) Naphthalene-d8	10.58	136	3168	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	2336	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.17	188	5753	0.40	ng/ul	0.00
16) Chrysene-d12	21.35	240	6510	0.40	ng/ul	0.00
20) Perylene-d12	23.61	264	6376	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.17	152	986	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.20	212	3321	0.21	ng/ul	0.00

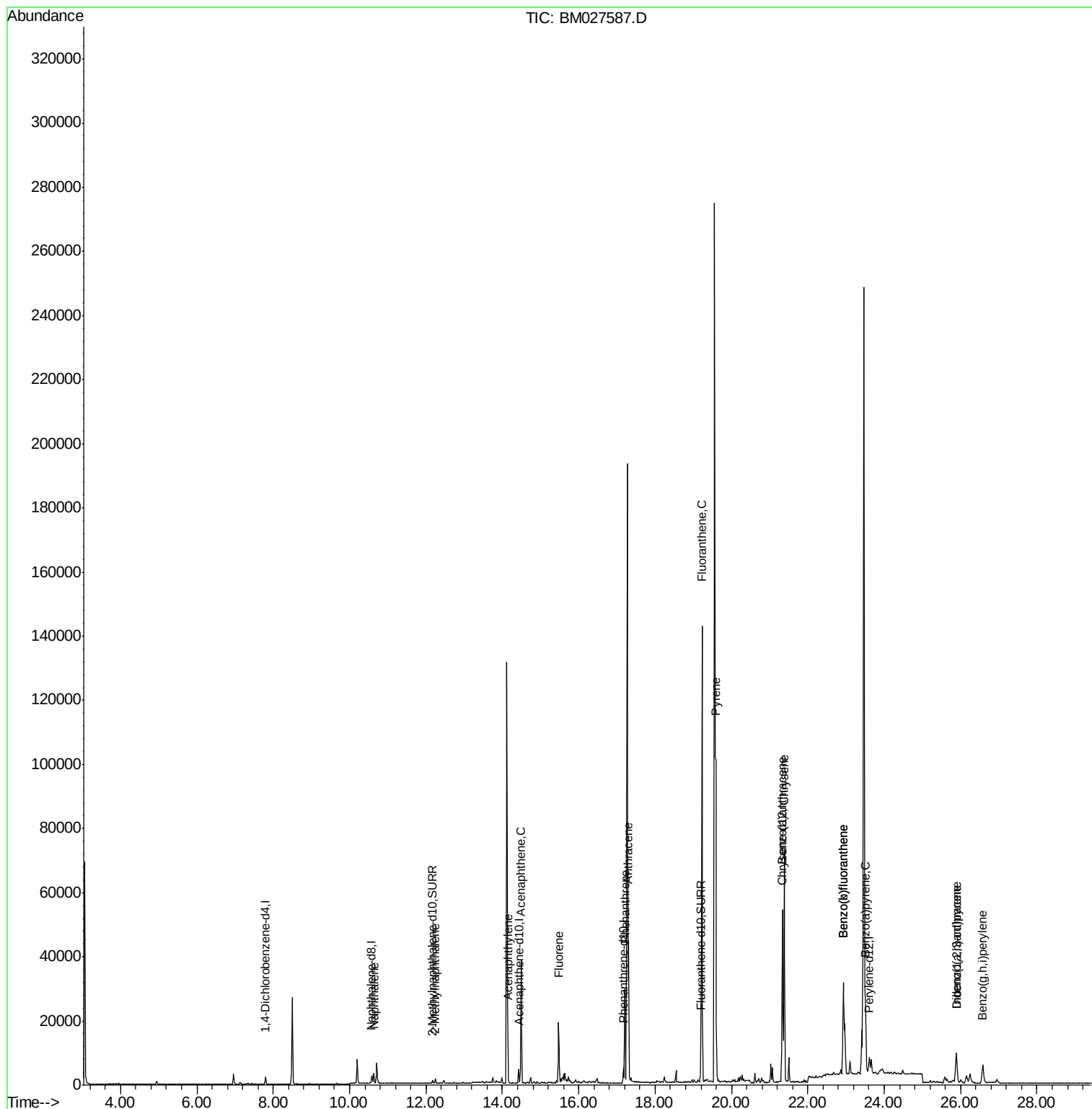
Target Compounds				Qvalue		
3) Naphthalene	10.63	128	4023	0.434	ng/ul	98
5) 2-Methylnaphthalene	12.25	142	835	0.124	ng/ul	99
7) Acenaphthylene	14.15	152	1432	0.120	ng/ul#	87
8) Acenaphthene	14.49	153	21357	2.516	ng/ul	96
9) Fluorene	15.48	166	11571	1.101	ng/ul	99
12) Phenanthrene	17.21	178	30011	1.690	ng/ul	100
13) Anthracene	17.30	178	46553	2.681	ng/ul	99
15) Fluoranthene	19.23	202	131550	6.160	ng/ul	96
17) Pyrene	19.59	202	93885	3.161	ng/ul#	96
18) Benzo(a)anthracene	21.33	228	44753	1.753	ng/ul	98
19) Chrysene	21.38	228	62739	2.372	ng/ul	100
21) Benzo(b)fluoranthene	22.93	252	67971	2.646	ng/ul	100
22) Benzo(k)fluoranthene	22.93	252	67971	2.545	ng/ul	99
23) Benzo(a)pyrene	23.51	252	28708	1.248	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	25.89	276	16020	0.541	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.89	278	5235	0.214	ng/ul#	84
26) Benzo(g,h,i)perylene	26.58	276	13264	0.531	ng/ul	98

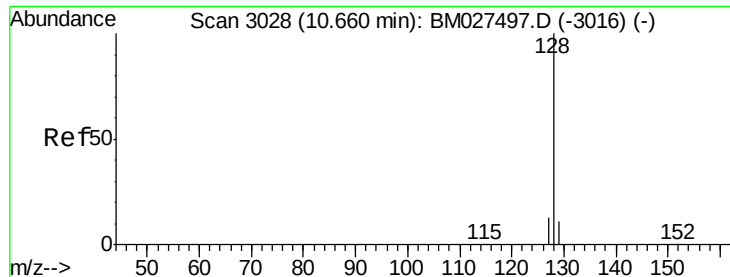
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.434 ng/ul

RT: 10.63 min Scan# 3022

Delta R.T. -0.00 min

Lab File: BM027587.D

Acq: 02 Oct 2020 18:46

Instrument :

BNA_M

ClientSampleId :

C0AE4

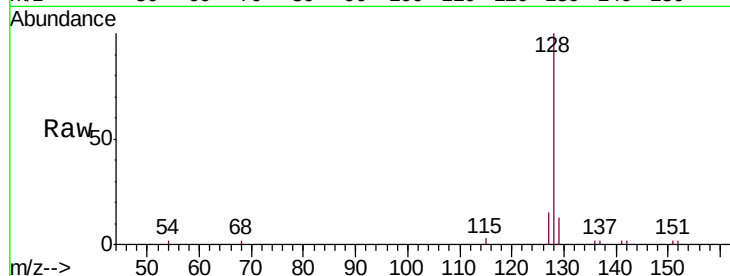
Tgt Ion:128 Resp: 4023

Ion Ratio Lower Upper

128 100

129 12.8 9.9 14.9

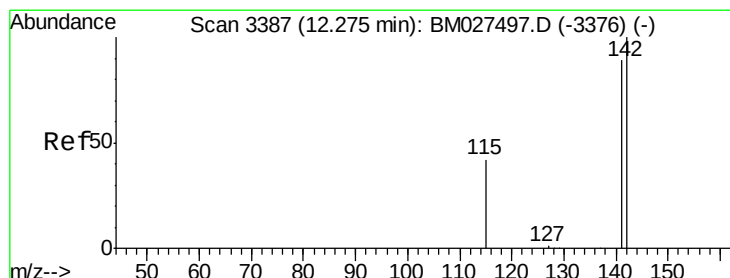
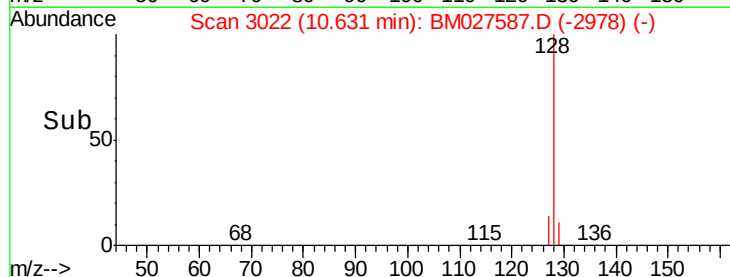
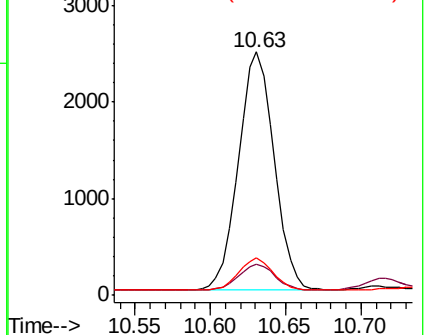
127 15.3 11.4 17.2



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: 0.124 ng/ul

RT: 12.25 min Scan# 3381

Delta R.T. -0.00 min

Lab File: BM027587.D

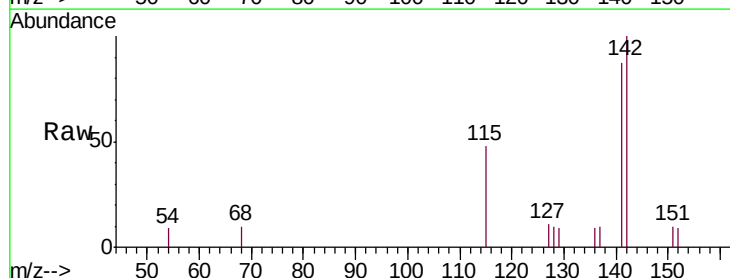
Acq: 02 Oct 2020 18:46

Tgt Ion:142 Resp: 835

Ion Ratio Lower Upper

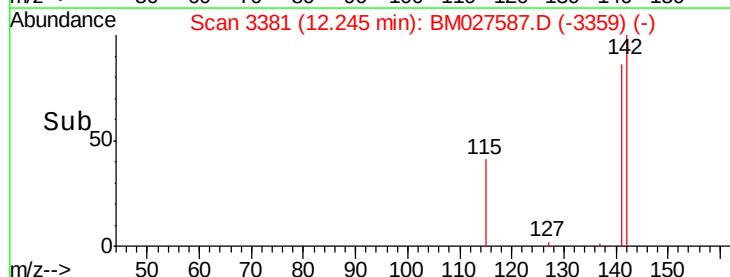
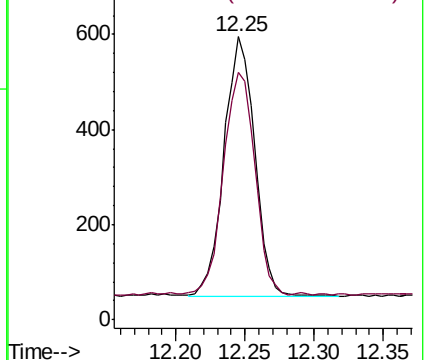
142 100

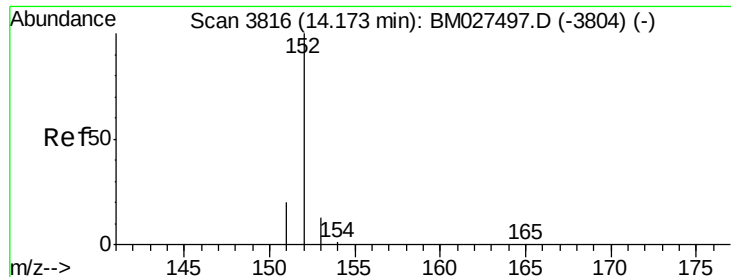
141 88.0 70.9 106.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.120 ng/ul

RT: 14.15 min Scan# 3810

Delta R.T. -0.00 min

Lab File: BM027587.D

Acq: 02 Oct 2020 18:46

Instrument :

BNA_M

ClientSampleId :

C0AE4

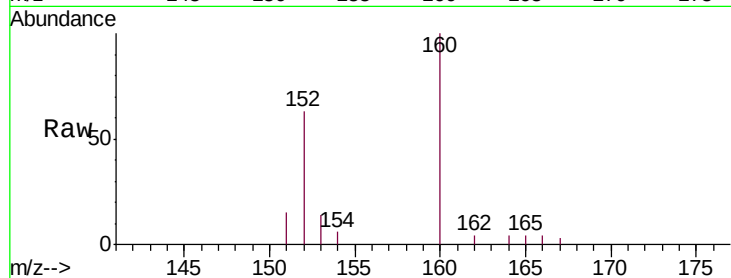
Tgt Ion:152 Resp: 1432

Ion Ratio Lower Upper

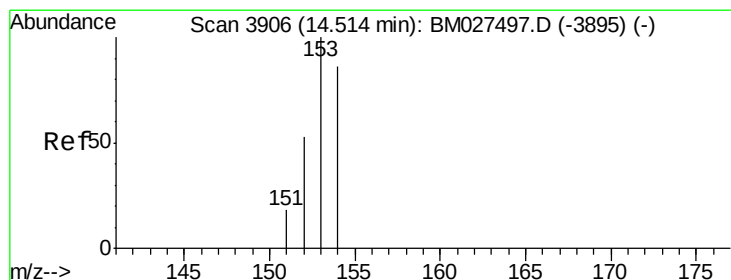
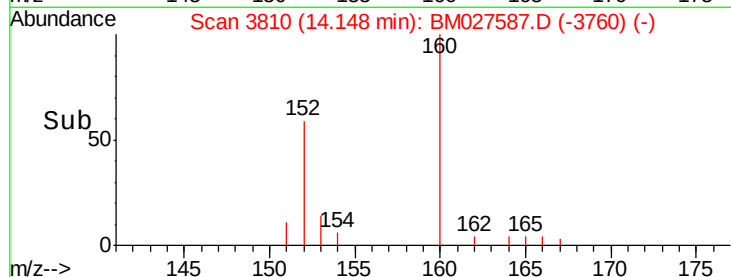
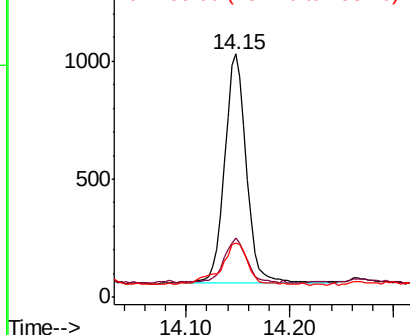
152 100

151 24.5 16.6 24.8

153 22.3 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: 2.516 ng/ul

RT: 14.49 min Scan# 3900

Delta R.T. -0.01 min

Lab File: BM027587.D

Acq: 02 Oct 2020 18:46

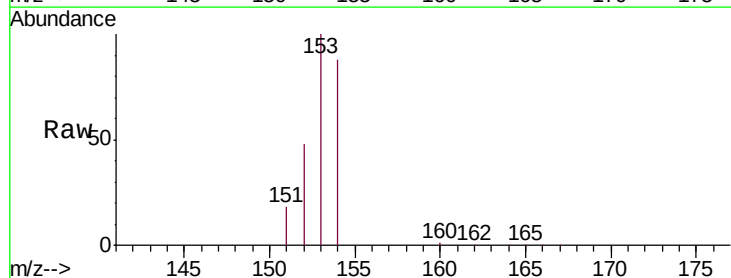
Tgt Ion:153 Resp: 21357

Ion Ratio Lower Upper

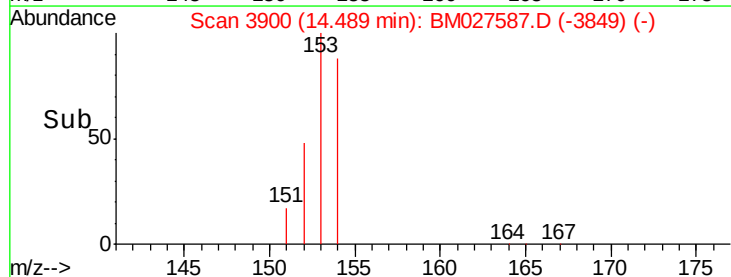
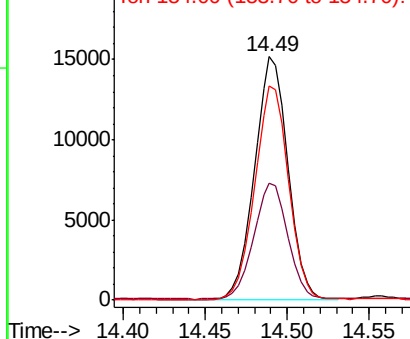
153 100

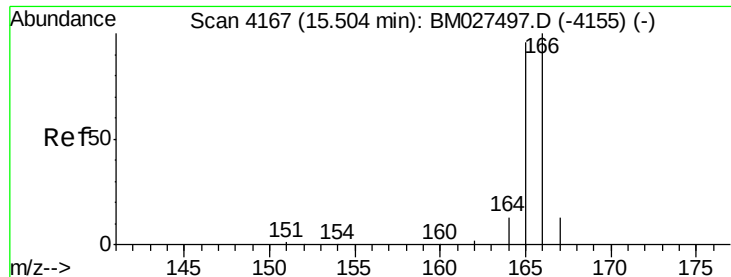
152 48.2 42.8 64.2

154 87.7 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

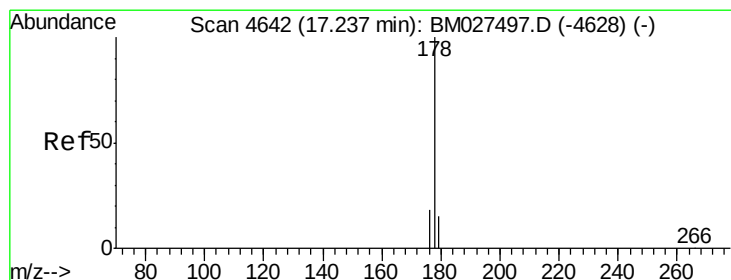
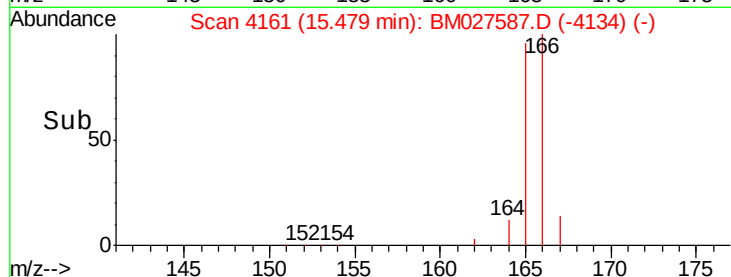
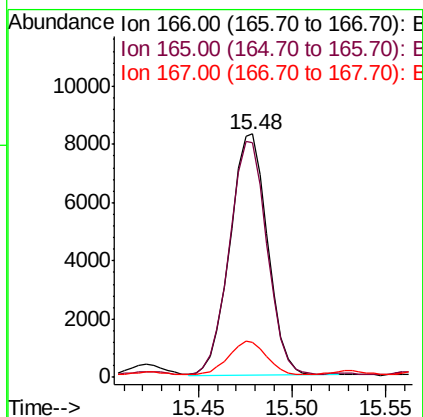
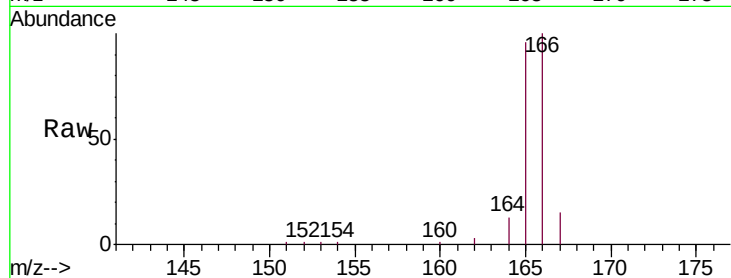




#9
Fluorene
 Concen: 1.101 ng/ul
 RT: 15.48 min Scan# 4161
 Delta R.T. 0.00 min
 Lab File: BM027587.D
 Acq: 02 Oct 2020 18:46

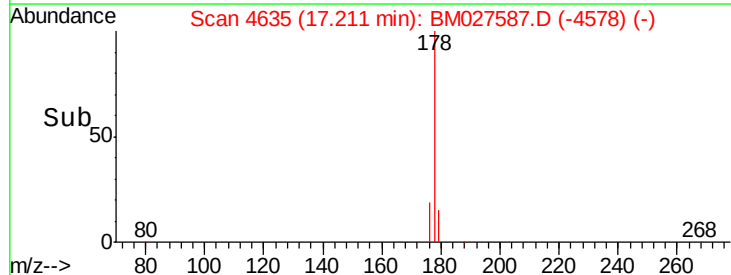
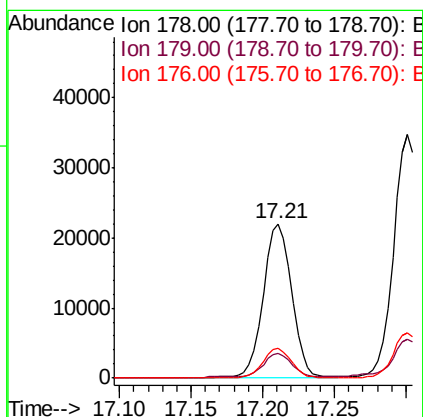
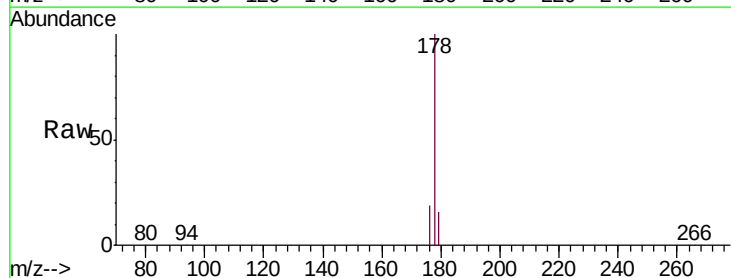
Instrument :
 BNA_M
 ClientSampled :
 C0AE4

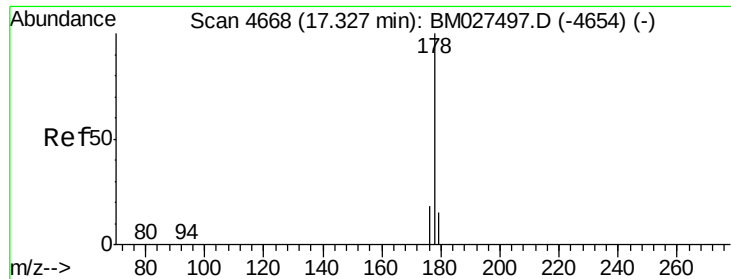
Tgt Ion:166 Resp: 11571
 Ion Ratio Lower Upper
 166 100
 165 96.2 77.2 115.8
 167 14.6 11.1 16.7



#12
Phenanthrene
 Concen: 1.690 ng/ul
 RT: 17.21 min Scan# 4635
 Delta R.T. -0.00 min
 Lab File: BM027587.D
 Acq: 02 Oct 2020 18:46

Tgt Ion:178 Resp: 30011
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.9 19.3
 176 19.2 15.3 22.9





#13

Anthracene

Concen: 2.681 ng/ul

RT: 17.30 min Scan# 4661

Delta R.T. -0.00 min

Lab File: BM027587.D

Acq: 02 Oct 2020 18:46

Instrument :

BNA_M

ClientSampleId :

C0AE4

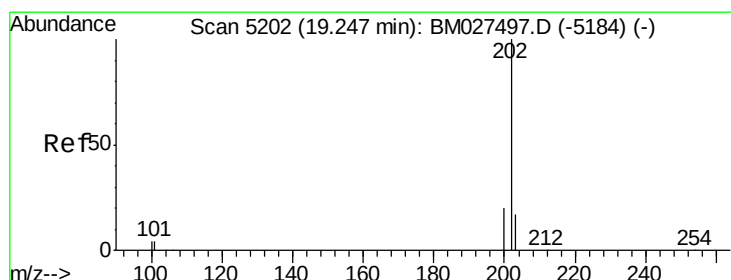
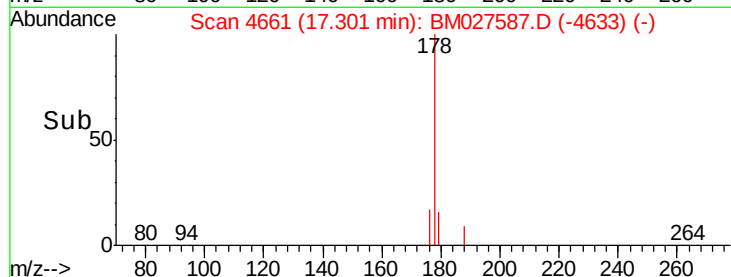
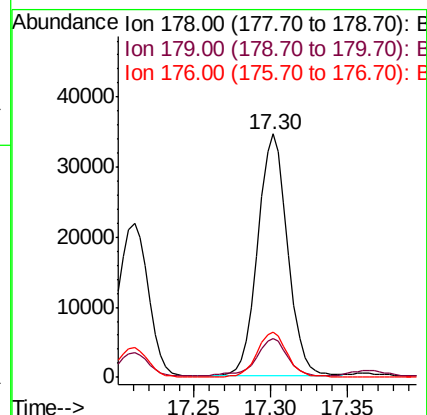
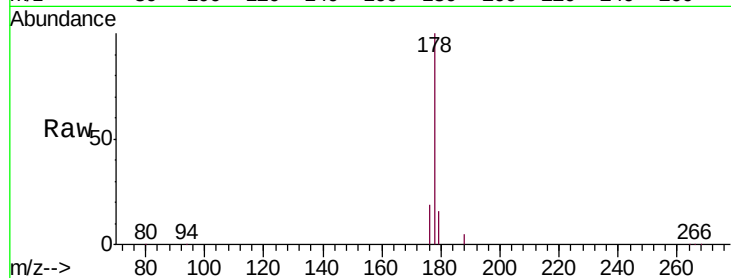
Tgt Ion:178 Resp: 46553

Ion Ratio Lower Upper

178 100

179 16.0 13.0 19.4

176 18.6 15.2 22.8



#15

Fluoranthene

Concen: 6.160 ng/ul

RT: 19.23 min Scan# 5197

Delta R.T. -0.00 min

Lab File: BM027587.D

Acq: 02 Oct 2020 18:46

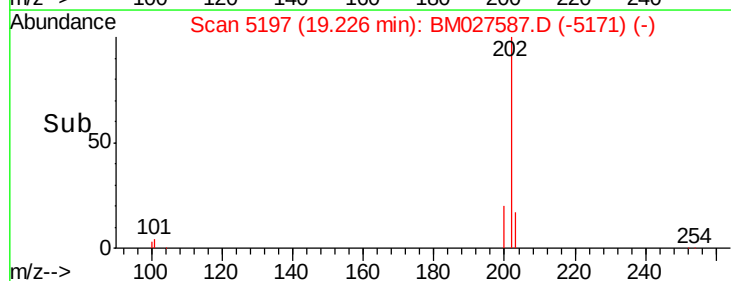
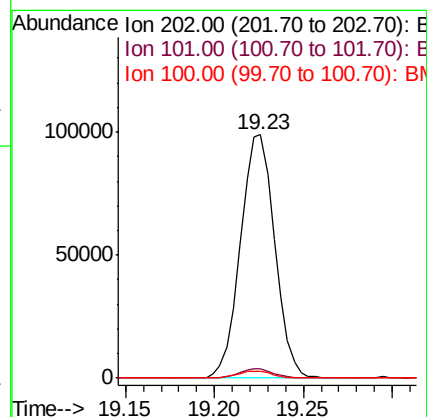
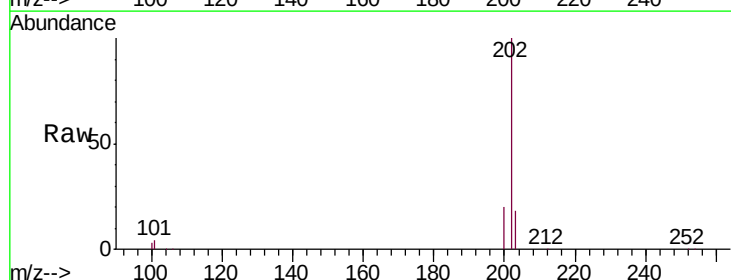
Tgt Ion:202 Resp: 131550

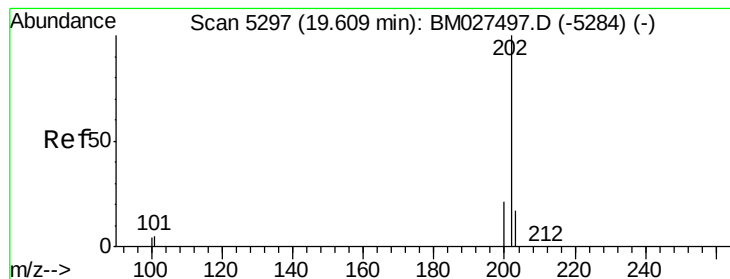
Ion Ratio Lower Upper

202 100

101 3.7 0.0 24.9

100 2.8 0.0 24.1





#17

Pyrene

Concen: 3.161 ng/ul

RT: 19.59 min Scan# 5292

Delta R.T. -0.00 min

Lab File: BM027587.D

Acq: 02 Oct 2020 18:46

Instrument :

BNA_M

ClientSampleId :

C0AE4

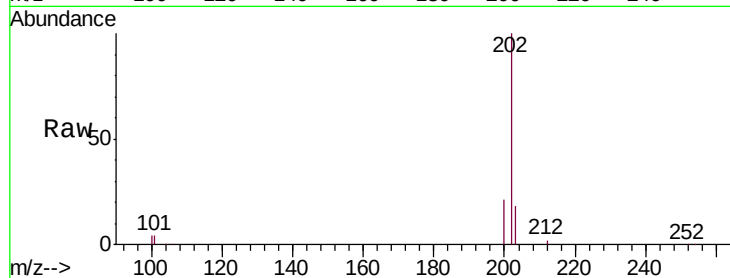
Tgt Ion:202 Resp: 93885

Ion Ratio Lower Upper

202 100

101 4.2 4.7 7.1#

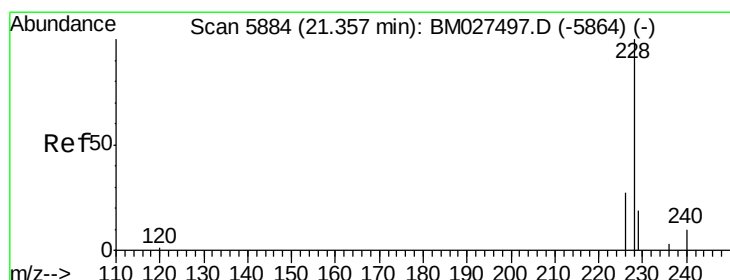
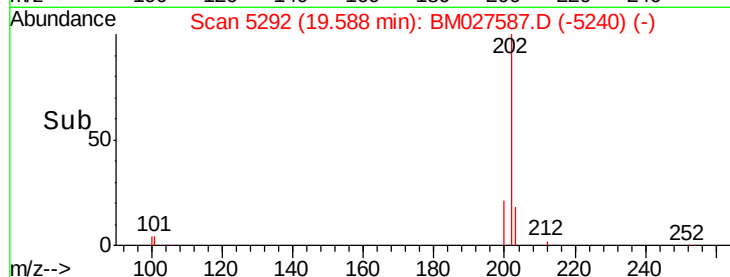
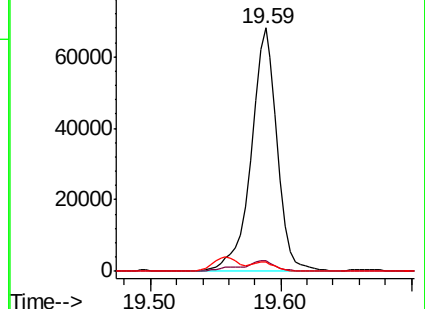
100 3.7 3.9 5.9#



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: 1.753 ng/ul

RT: 21.33 min Scan# 5874

Delta R.T. -0.00 min

Lab File: BM027587.D

Acq: 02 Oct 2020 18:46

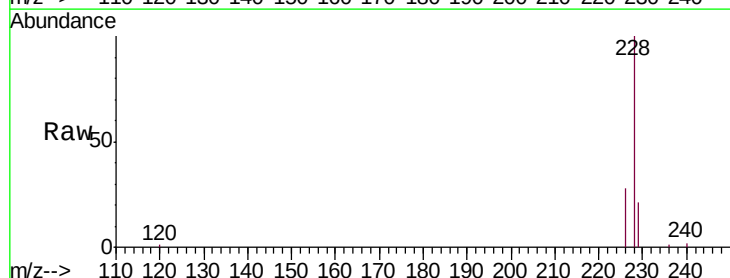
Tgt Ion:228 Resp: 44753

Ion Ratio Lower Upper

228 100

229 20.8 15.6 23.4

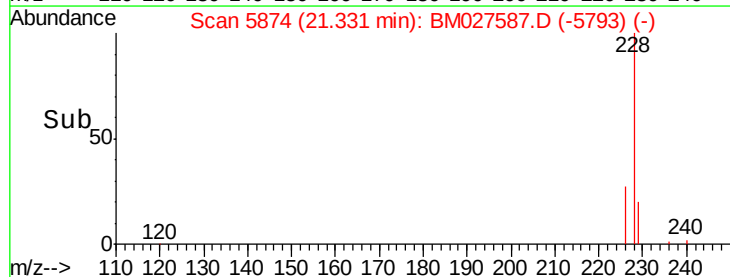
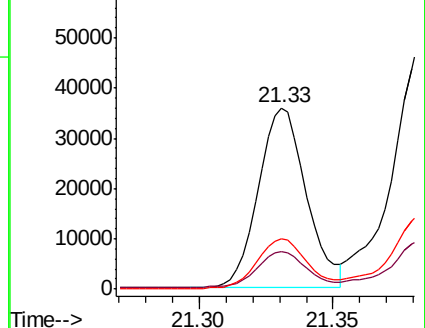
226 27.8 21.8 32.8

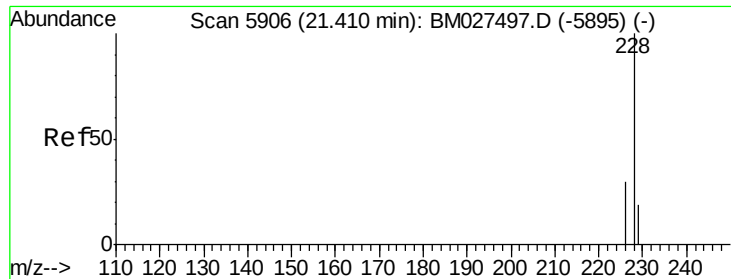


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.372 ng/ul

RT: 21.38 min Scan# 5895

Delta R.T. -0.00 min

Lab File: BM027587.D

Acq: 02 Oct 2020 18:46

Instrument :

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C0AE4

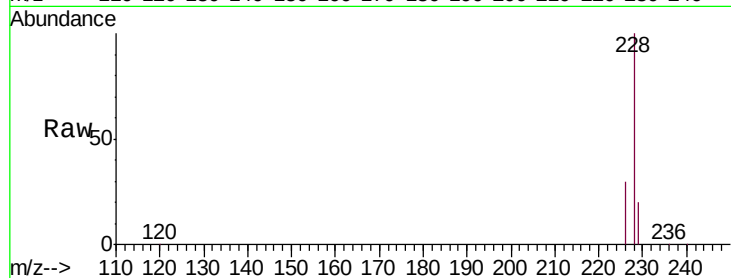
Tgt Ion:228 Resp: 62739

Ion Ratio Lower Upper

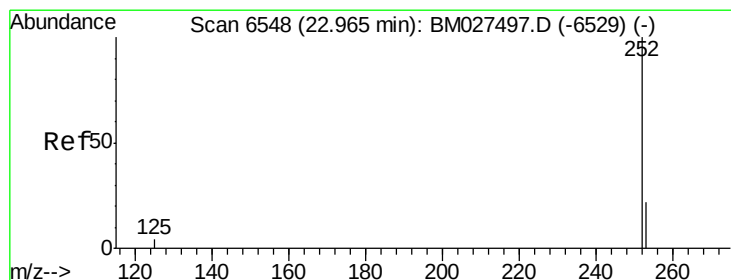
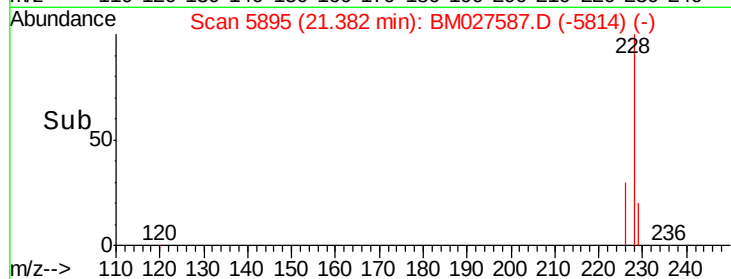
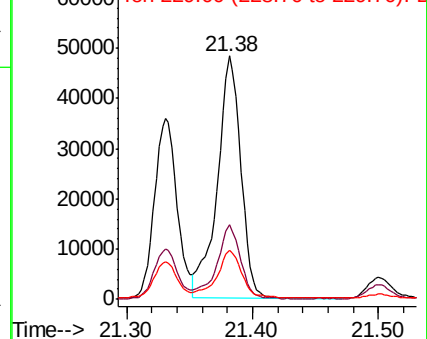
228 100

226 30.4 24.2 36.4

229 20.1 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: 2.646 ng/ul

RT: 22.93 min Scan# 6534

Delta R.T. -0.00 min

Lab File: BM027587.D

Acq: 02 Oct 2020 18:46

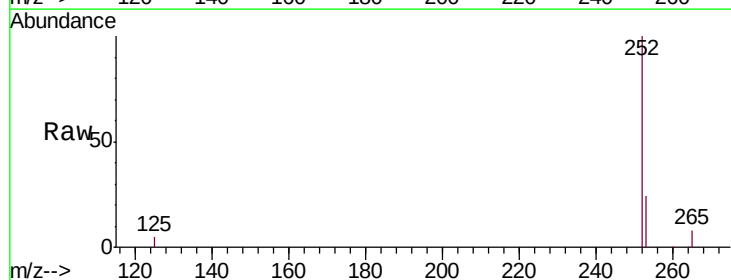
Tgt Ion:252 Resp: 67971

Ion Ratio Lower Upper

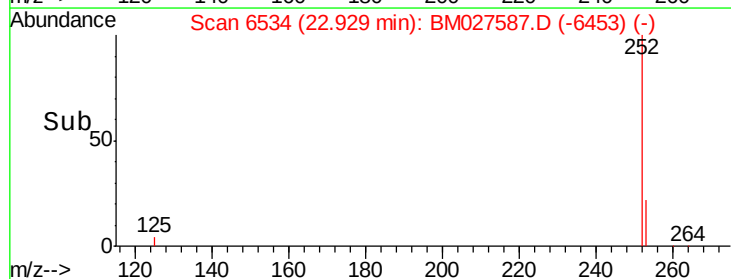
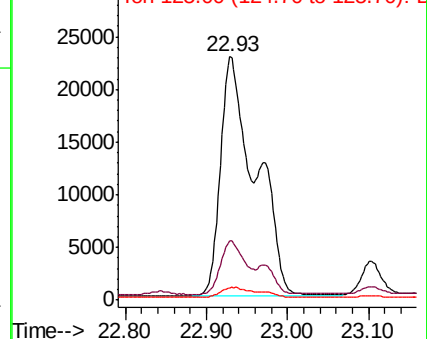
252 100

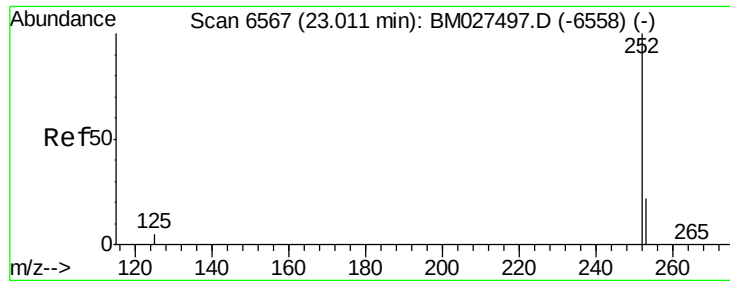
253 24.2 0.0 48.2

125 5.1 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: 2.545 ng/ul

RT: 22.93 min Scan# 6534

Delta R.T. -0.05 min

Lab File: BM027587.D

Acq: 02 Oct 2020 18:46

Instrument :

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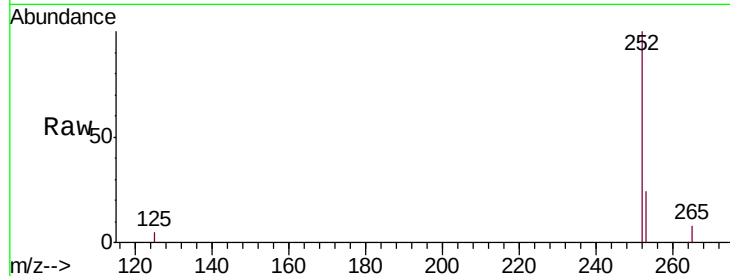
Tgt Ion:252 Resp: 67971

Ion Ratio Lower Upper

252 100

253 24.2 19.1 28.7

125 5.1 5.0 7.4

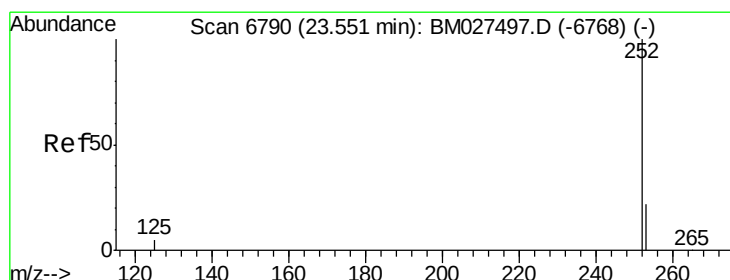
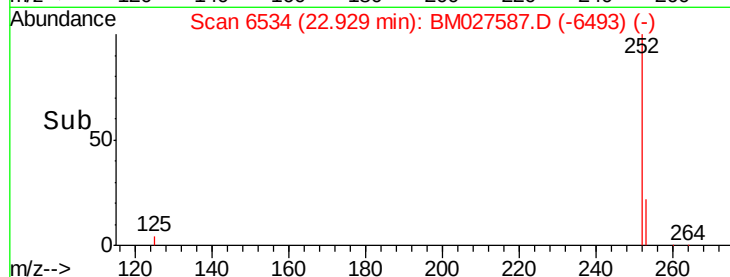
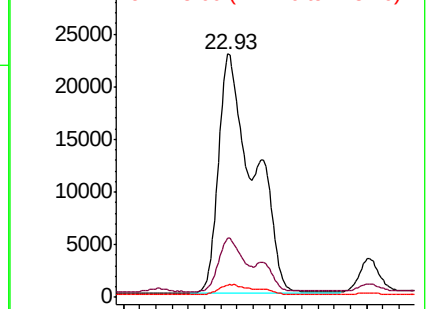


Abundance

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: 1.248 ng/ul

RT: 23.51 min Scan# 6774

Delta R.T. -0.00 min

Lab File: BM027587.D

Acq: 02 Oct 2020 18:46

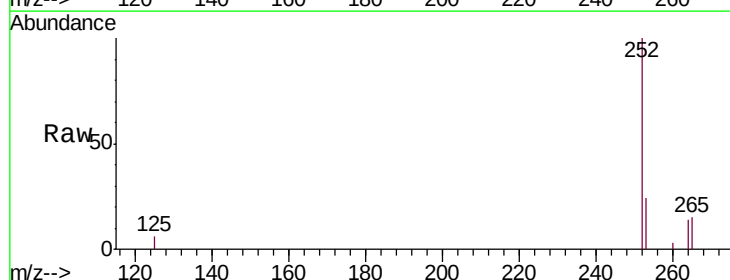
Tgt Ion:252 Resp: 28708

Ion Ratio Lower Upper

252 100

253 24.5 19.6 29.4

125 6.4 5.0 7.6

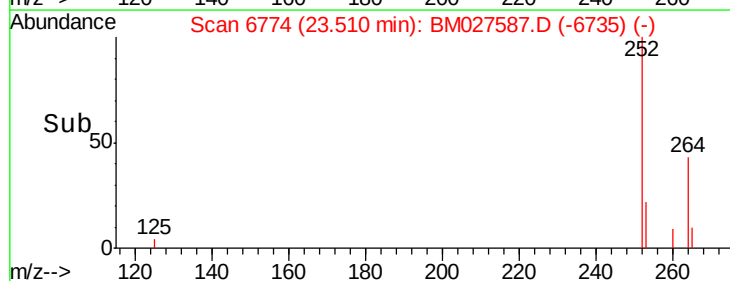
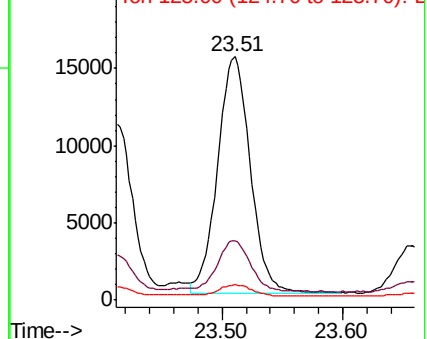


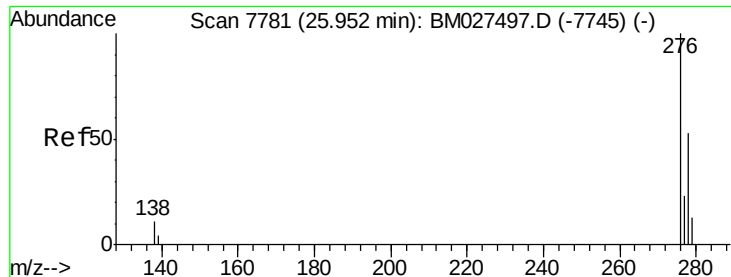
Abundance

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



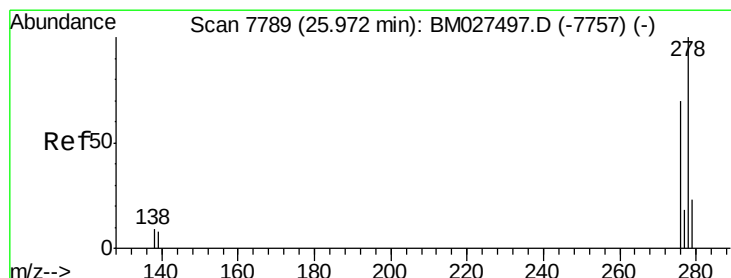
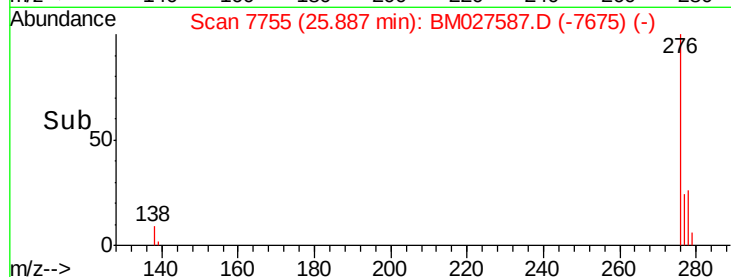
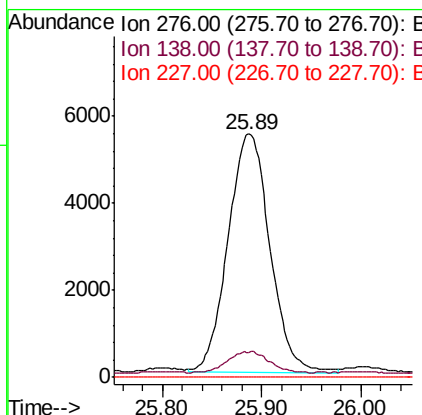
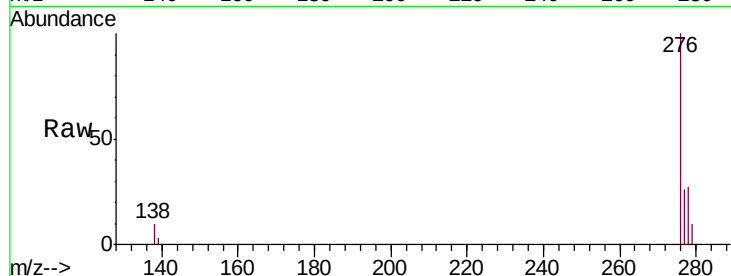


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.541 ng/ul
RT: 25.89 min Scan# 7755
Delta R.T. -0.01 min
Lab File: BM027587.D
Acq: 02 Oct 2020 18:46

Instrument :
BNA_M
ClientSampleId :
C0AE4

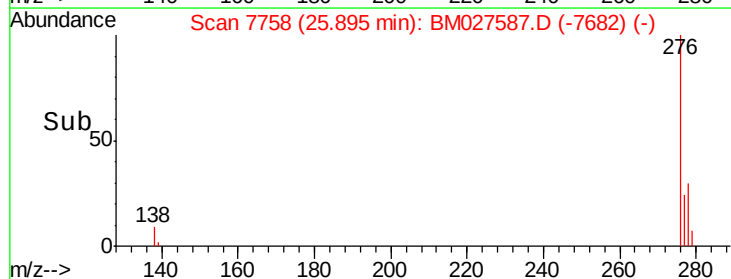
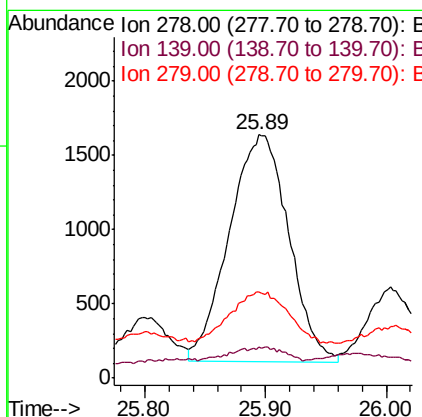
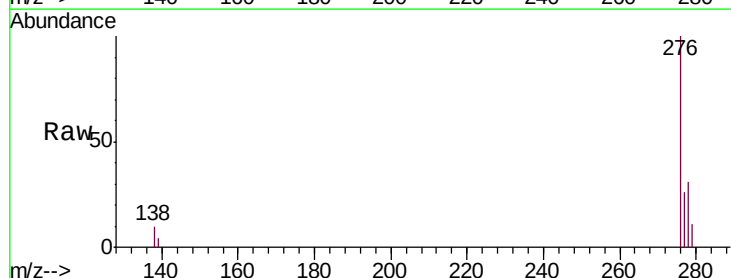
Tgt Ion: 276 Resp: 16020
Ion Ratio Lower Upper
276 100
138 8.8 8.6 12.8
227 0.0 0.0 0.0

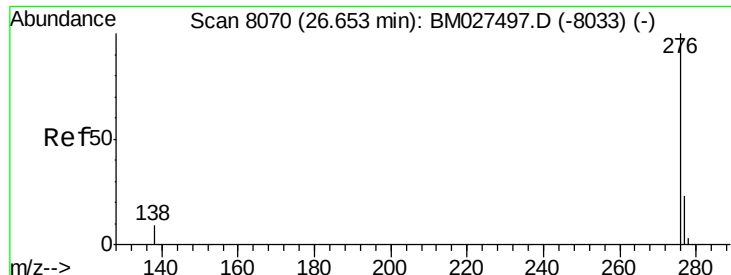


#25

Dibenzo(a,h)anthracene
Concen: 0.214 ng/ul
RT: 25.89 min Scan# 7758
Delta R.T. -0.02 min
Lab File: BM027587.D
Acq: 02 Oct 2020 18:46

Tgt Ion: 278 Resp: 5235
Ion Ratio Lower Upper
278 100
139 12.8 7.6 11.4#
279 35.2 20.7 31.1#





#26

Benzo(g,h,i)perylene

Concen: 0.531 ng/ul

RT: 26.58 min Scan# 8042

Delta R.T. -0.01 min

Lab File: BM027587.D

Acq: 02 Oct 2020 18:46

Instrument :

BNA_M

ClientSampleId :

C0AE4

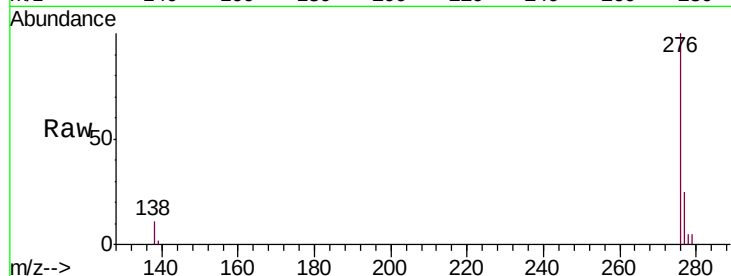
Tgt Ion:276 Resp: 13264

Ion Ratio Lower Upper

276 100

138 10.6 9.0 13.4

277 25.3 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

