

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031720\
 Data File : BM025623.D
 Acq On : 17 Mar 2020 22:45
 Operator : CG/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 18 01:16:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 17 17:05:05 2020
 Response via : Initial Calibration

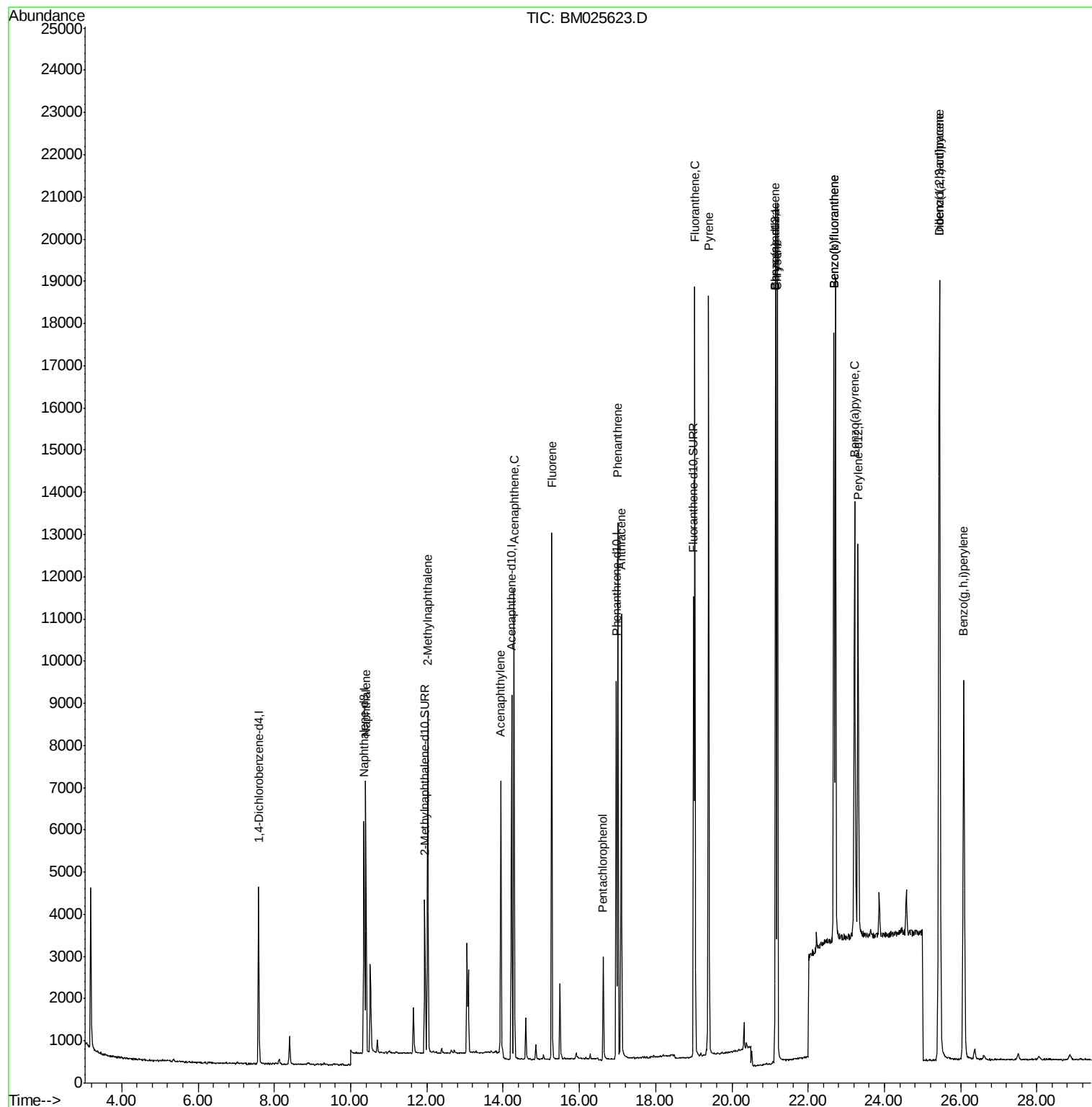
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	2038	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	7502	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	4545	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	10675	0.40	ng/ul	0.00
16) Chrysene-d12	21.16	240	11272	0.40	ng/ul	0.00
20) Perylene-d12	23.31	264	11729	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	4944	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	12560	0.43	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.40	128	8567	0.386	ng/ul	100
5) 2-Methylnaphthalene	12.02	142	5774	0.364	ng/ul	99
7) Acenaphthylene	13.94	152	7794	0.420	ng/ul#	86
8) Acenaphthene	14.28	153	6262	0.384	ng/ul	100
9) Fluorene	15.28	166	7642	0.385	ng/ul	99
11) Pentachlorophenol	16.63	266	1554	0.621	ng/ul	98
12) Phenanthrene	17.01	178	13060	0.386	ng/ul	99
13) Anthracene	17.10	178	11320	0.385	ng/ul	99
15) Fluoranthene	19.03	202	15663	0.427	ng/ul	98
17) Pyrene	19.39	202	15942	0.315	ng/ul	98
18) Benzo(a)anthracene	21.14	228	15367	0.381	ng/ul	100
19) Chrysene	21.19	228	16948	0.374	ng/ul	99
21) Benzo(b)fluoranthene	22.67	252	17370	0.374	ng/ul	99
22) Benzo(k)fluoranthene	22.67	252	17370	0.357	ng/ul	99
23) Benzo(a)pyrene	23.22	252	14941	0.387	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.43	276	21770	0.416	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.45	278	18022	0.409	ng/ul	99
26) Benzo(g,h,i)perylene	26.08	276	18128	0.399	ng/ul	97

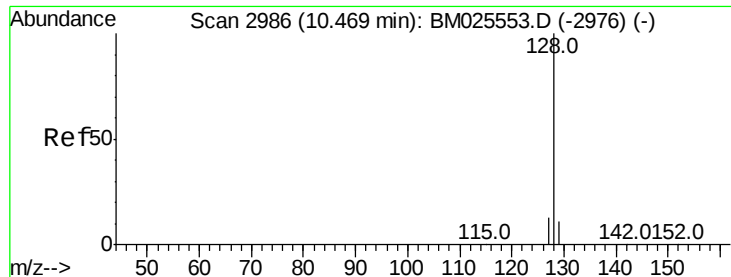
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.386 ng/ul

RT: 10.40 min Scan# 2970

Delta R.T. -0.00 min

Lab File: BM025623.D

Acq: 17 Mar 2020 22:45

Instrument :

BNA_M

ClientSampleId :

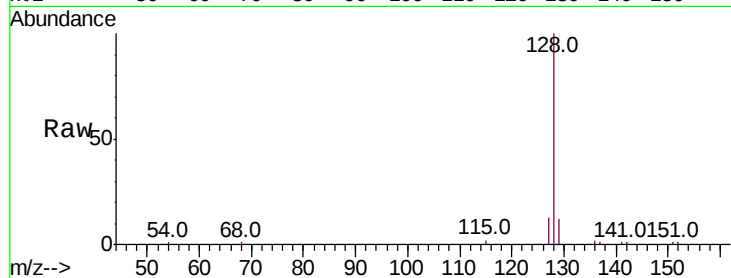
Tot Ion:128 Resp: 8567

Ion Ratio Lower Upper

128 100

129 11.9 9.4 14.0

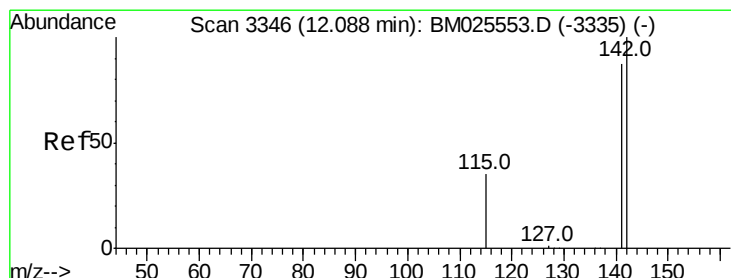
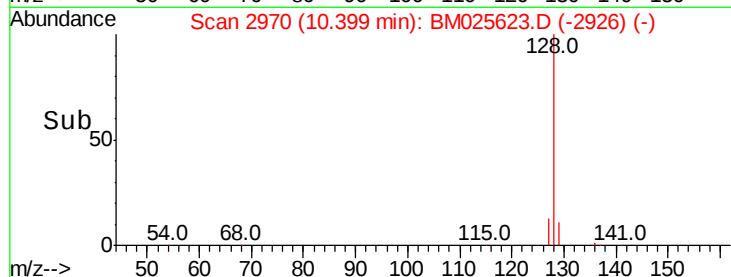
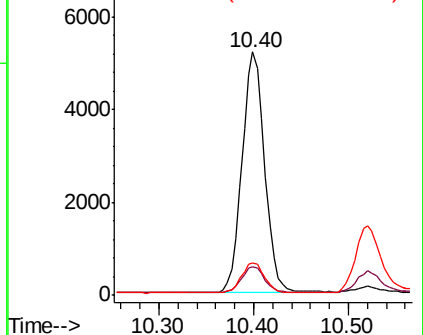
127 13.5 10.9 16.3



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: 0.364 ng/ul

RT: 12.02 min Scan# 3331

Delta R.T. -0.00 min

Lab File: BM025623.D

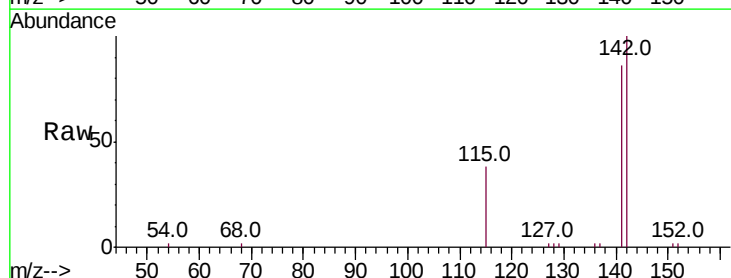
Acq: 17 Mar 2020 22:45

Tgt Ion:142 Resp: 5774

Ion Ratio Lower Upper

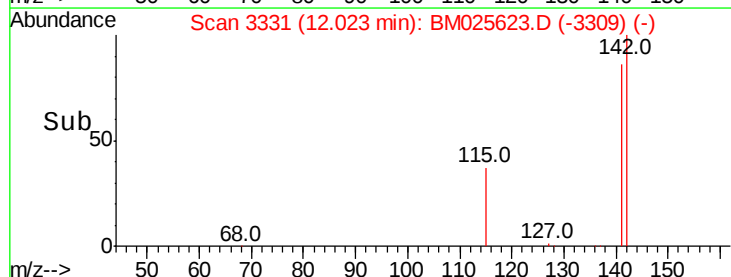
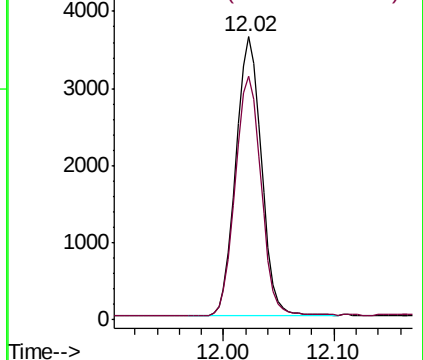
142 100

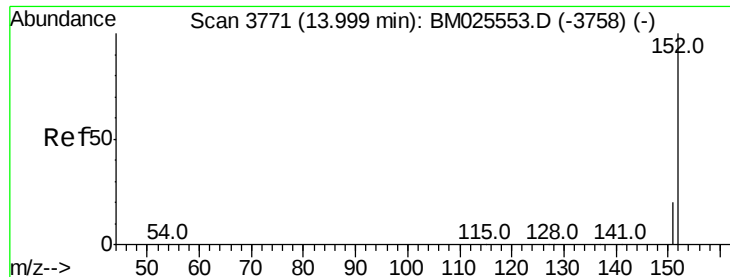
141 86.5 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.420 ng/ul

RT: 13.94 min Scan# 3757

Delta R.T. -0.00 min

Lab File: BM025623.D

Acq: 17 Mar 2020 22:45

Instrument :

BNA_M

ClientSampleId :

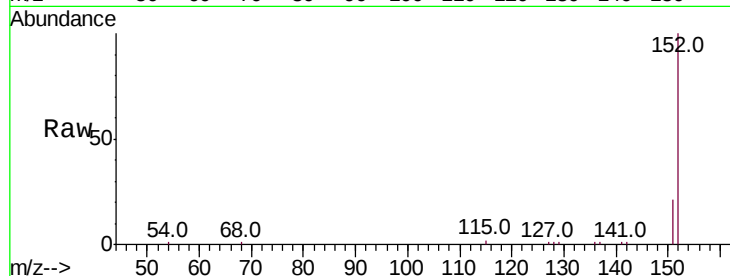
Tot Ion:152 Resp: 7794

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.2

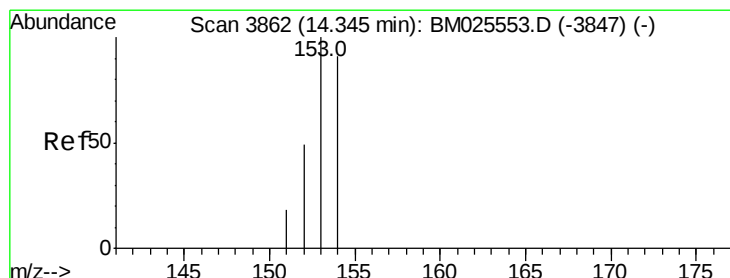
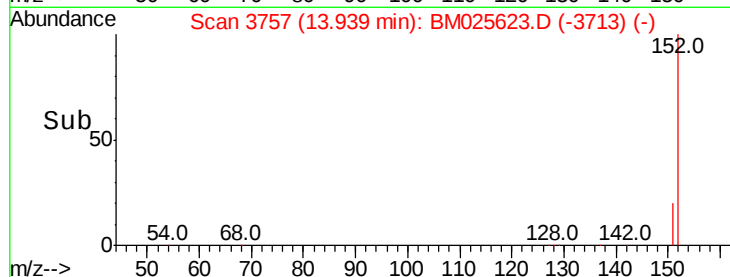
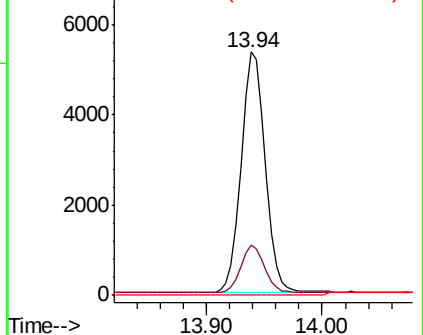
153 0.0 10.6 16.0#



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: 0.384 ng/ul

RT: 14.28 min Scan# 3845

Delta R.T. -0.01 min

Lab File: BM025623.D

Acq: 17 Mar 2020 22:45

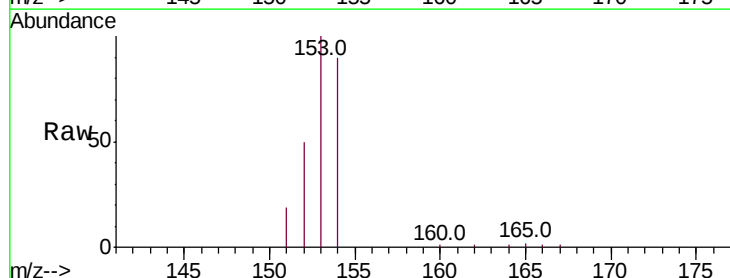
Tgt Ion:153 Resp: 6262

Ion Ratio Lower Upper

153 100

152 49.6 39.5 59.3

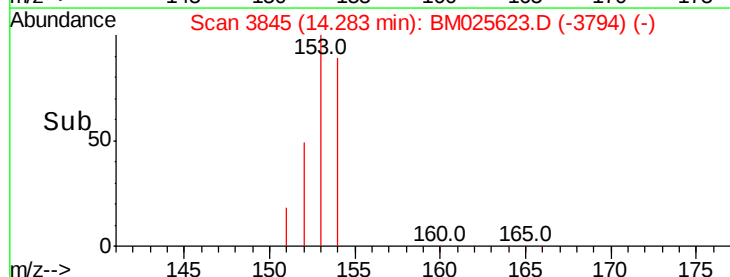
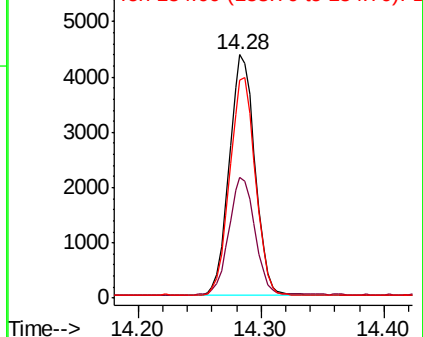
154 89.6 71.7 107.5

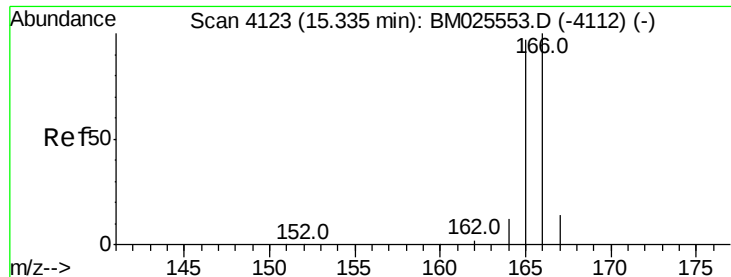


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.385 ng/ul

RT: 15.28 min Scan# 4107

Delta R.T. -0.00 min

Lab File: BM025623.D

Acq: 17 Mar 2020 22:45

Instrument :

BNA_M

ClientSampleId :

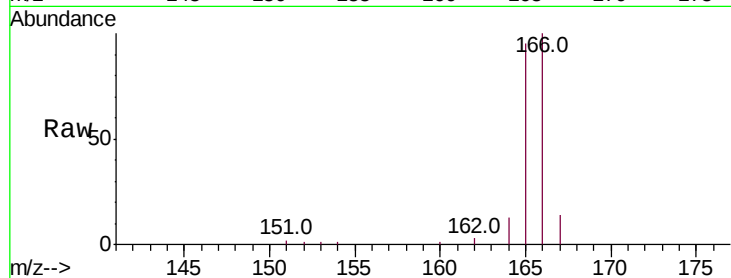
Tot Ion:166 Resp: 7642

Ion Ratio Lower Upper

166 100

165 95.3 76.8 115.2

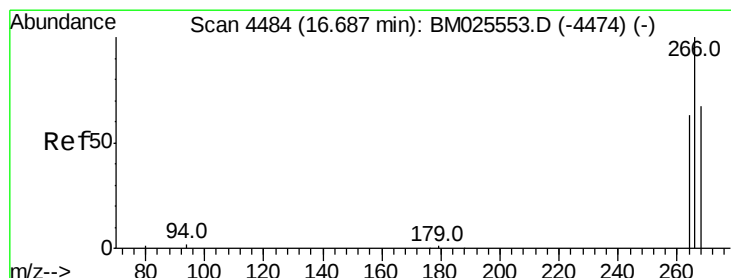
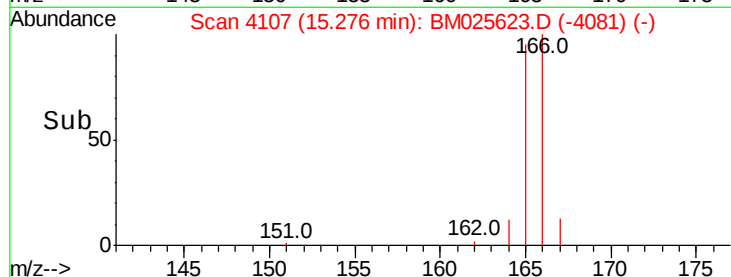
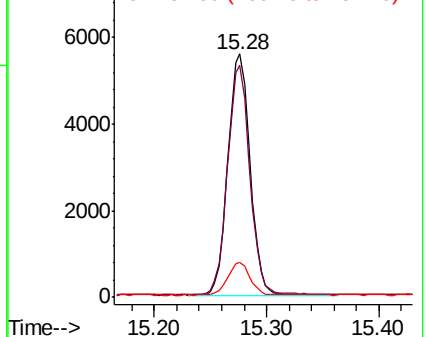
167 14.2 11.2 16.8



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



#11

Pentachlorophenol

Concen: 0.621 ng/ul

RT: 16.63 min Scan# 4466

Delta R.T. -0.00 min

Lab File: BM025623.D

Acq: 17 Mar 2020 22:45

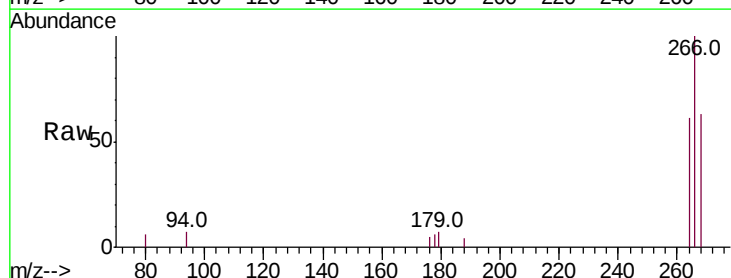
Tgt Ion:266 Resp: 1554

Ion Ratio Lower Upper

266 100

264 61.4 48.2 72.2

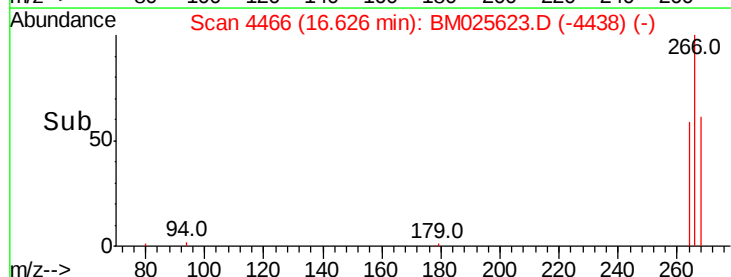
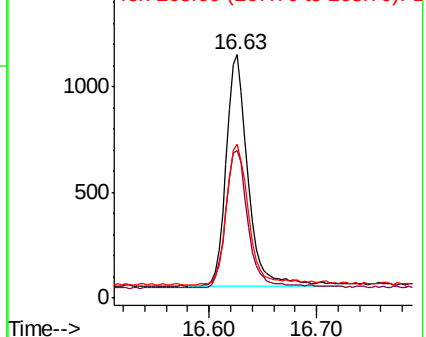
268 64.6 50.7 76.1

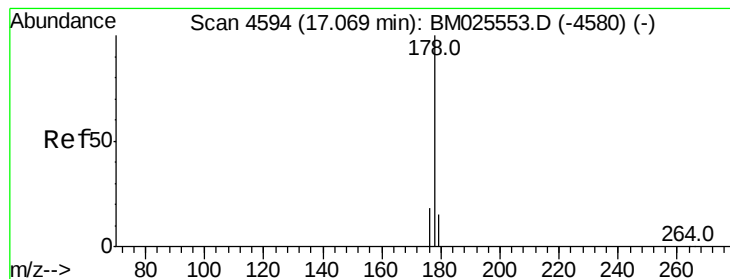


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.386 ng/ul

RT: 17.01 min Scan# 4576

Delta R.T. -0.00 min

Lab File: BM025623.D

Acq: 17 Mar 2020 22:45

Instrument :

BNA_M

ClientSampleId :

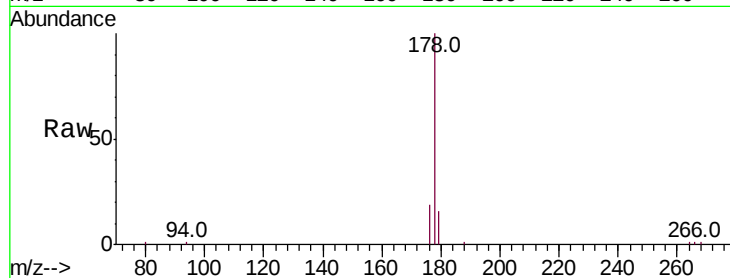
Tot Ion:178 Resp: 13060

Ion Ratio Lower Upper

178 100

179 16.3 12.4 18.6

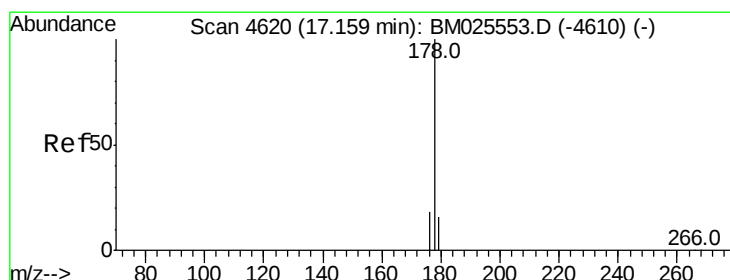
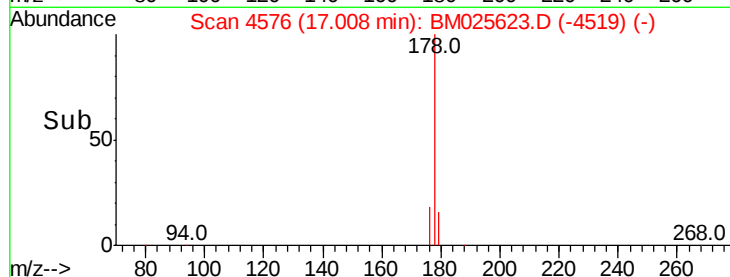
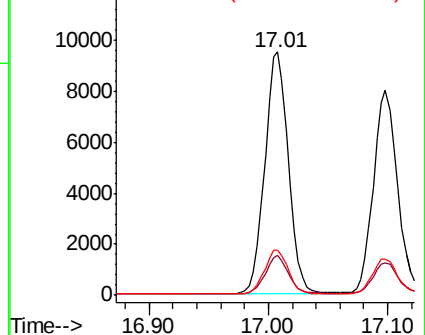
176 18.7 14.8 22.2



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: 0.385 ng/ul

RT: 17.10 min Scan# 4602

Delta R.T. -0.00 min

Lab File: BM025623.D

Acq: 17 Mar 2020 22:45

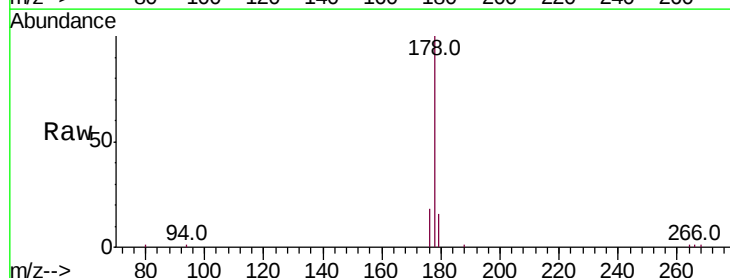
Tgt Ion:178 Resp: 11320

Ion Ratio Lower Upper

178 100

179 16.0 12.6 18.8

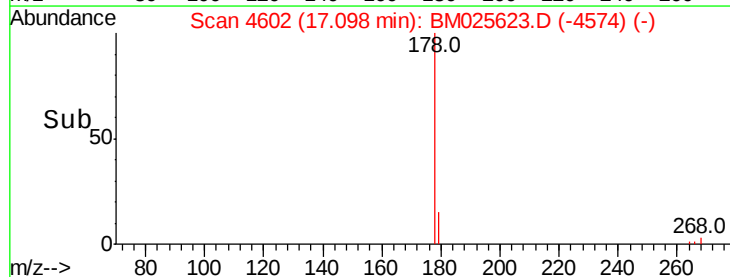
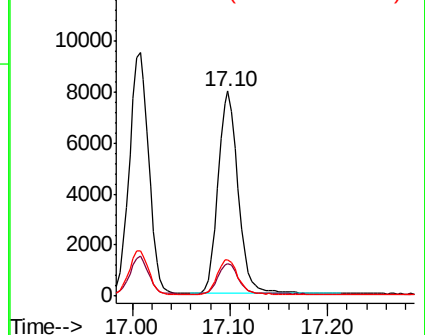
176 17.7 14.5 21.7

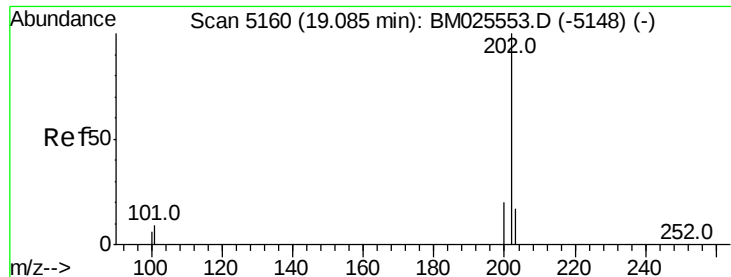


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

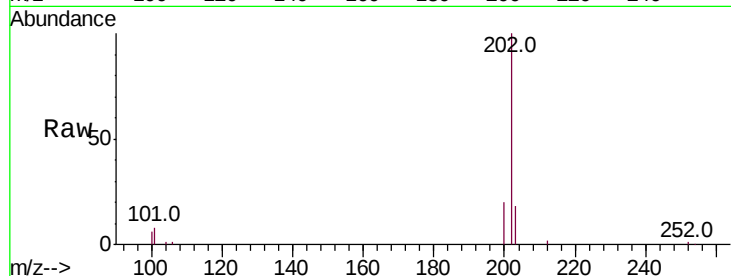




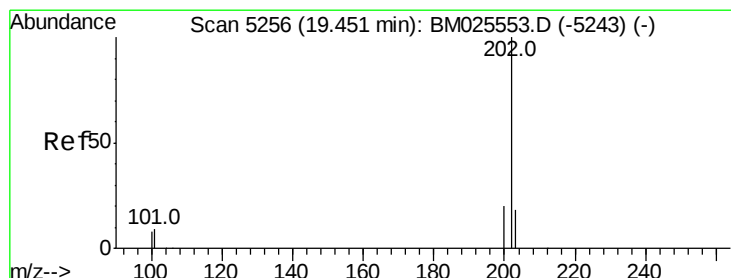
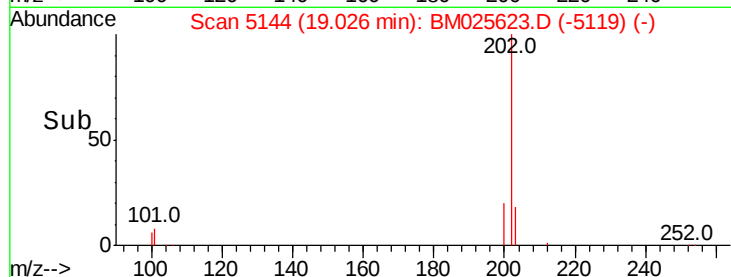
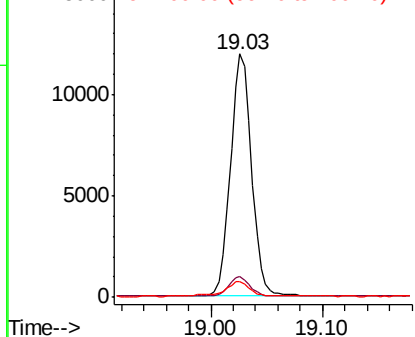
#15
Fluoranthene
 Concen: 0.427 ng/ul
 RT: 19.03 min Scan# 5144
 Delta R.T. -0.01 min
 Lab File: BM025623.D
 Acq: 17 Mar 2020 22:45

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	27.5
100	6.5	0.0	26.0

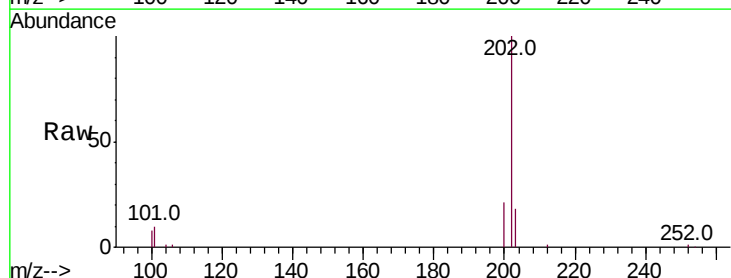


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

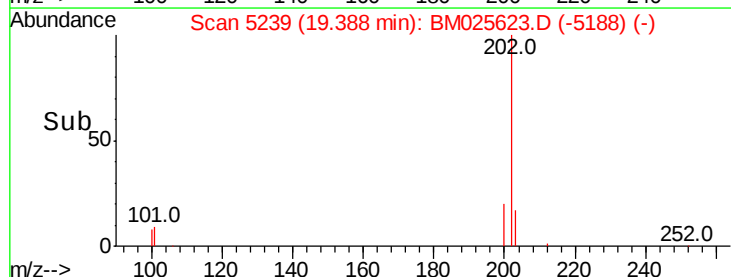
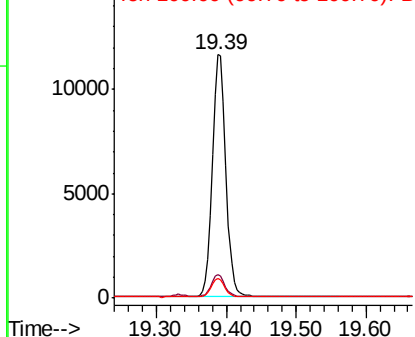


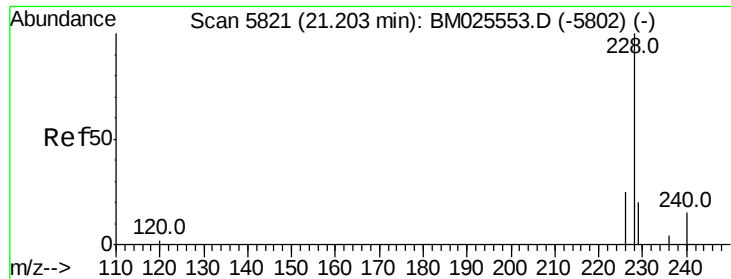
#17
Pyrene
 Concen: 0.315 ng/ul
 RT: 19.39 min Scan# 5239
 Delta R.T. -0.01 min
 Lab File: BM025623.D
 Acq: 17 Mar 2020 22:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.1	10.7
100	8.1	6.0	9.0



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: 0.381 ng/ul

RT: 21.14 min Scan# 5795

Delta R.T. -0.00 min

Lab File: BM025623.D

Acq: 17 Mar 2020 22:45

Instrument :

BNA_M

ClientSampleId :

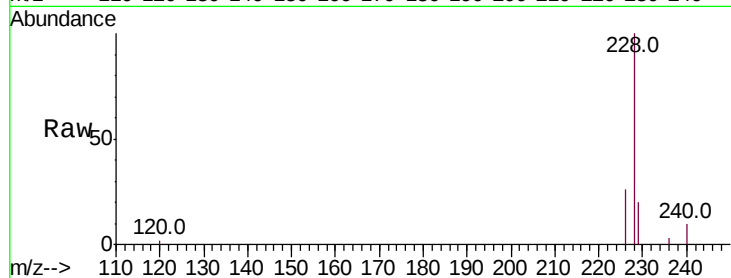
Tot Ion:228 Resp: 15367

Ion Ratio Lower Upper

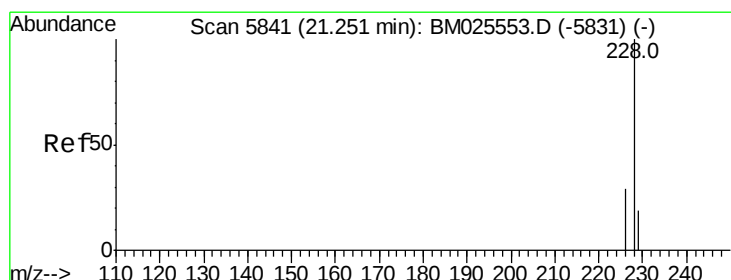
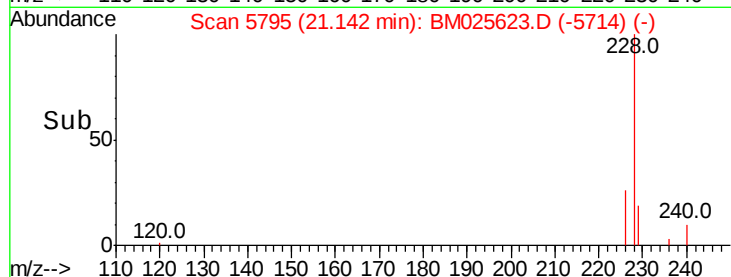
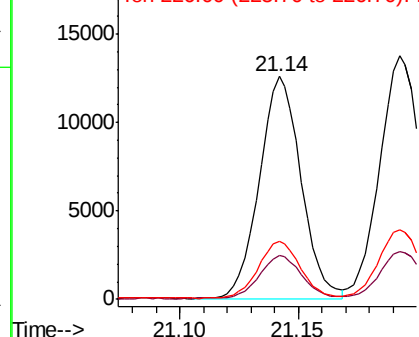
228 100

229 19.6 15.6 23.4

226 26.3 21.1 31.7



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: 0.374 ng/ul

RT: 21.19 min Scan# 5816

Delta R.T. -0.01 min

Lab File: BM025623.D

Acq: 17 Mar 2020 22:45

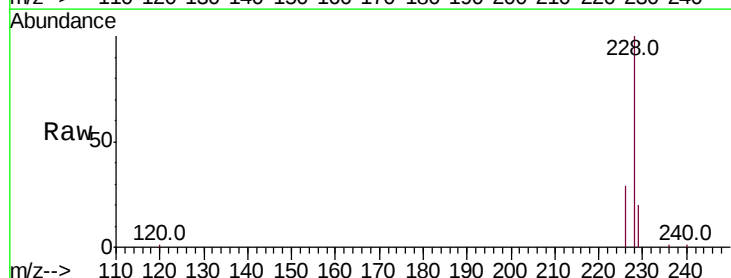
Tgt Ion:228 Resp: 16948

Ion Ratio Lower Upper

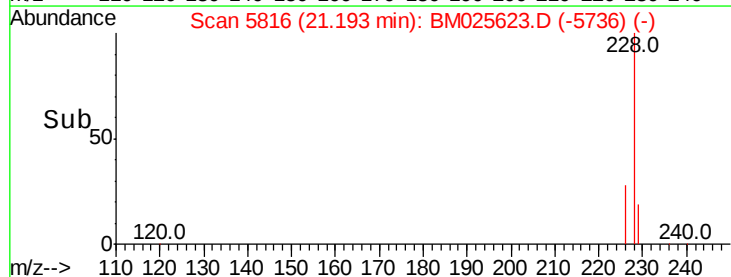
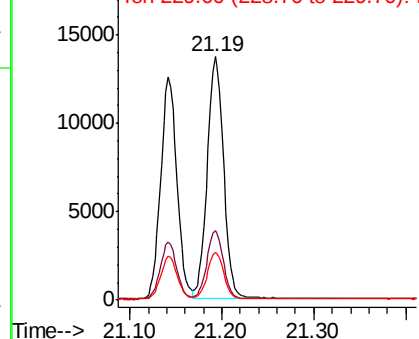
228 100

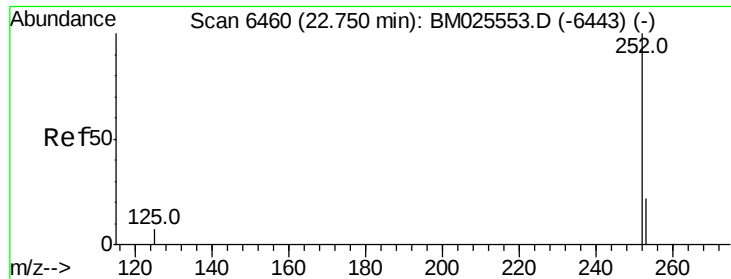
226 28.8 23.6 35.4

229 19.8 16.3 24.5



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: 0.374 ng/ul

RT: 22.67 min Scan# 6427

Delta R.T. -0.00 min

Lab File: BM025623.D

Acq: 17 Mar 2020 22:45

Instrument :

BNA_M

ClientSampleId :

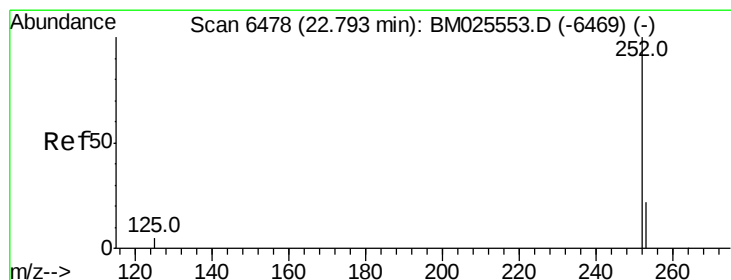
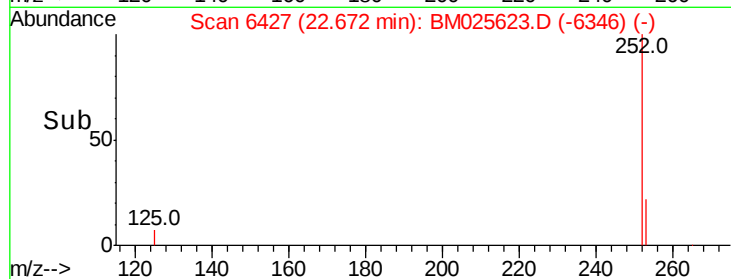
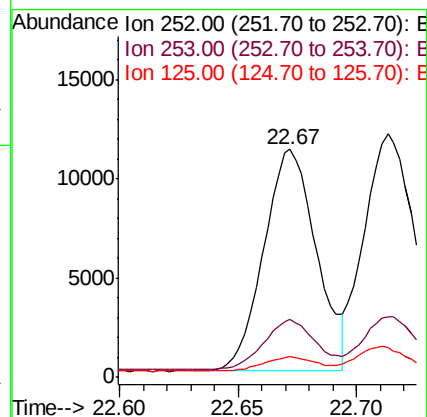
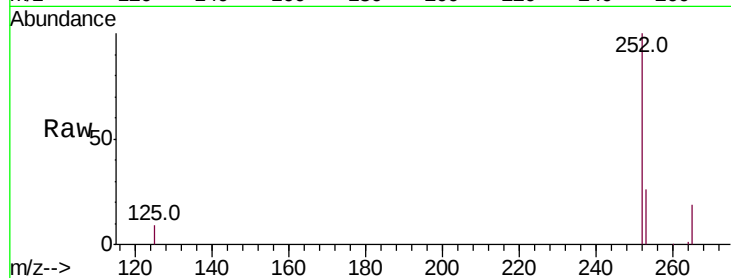
Tot Ion:252 Resp: 17370

Ion Ratio Lower Upper

252 100

253 25.5 0.0 50.2

125 9.1 0.0 17.6



#22

Benzo(k)fluoranthene

Concen: 0.357 ng/ul

RT: 22.67 min Scan# 6427

Delta R.T. -0.05 min

Lab File: BM025623.D

Acq: 17 Mar 2020 22:45

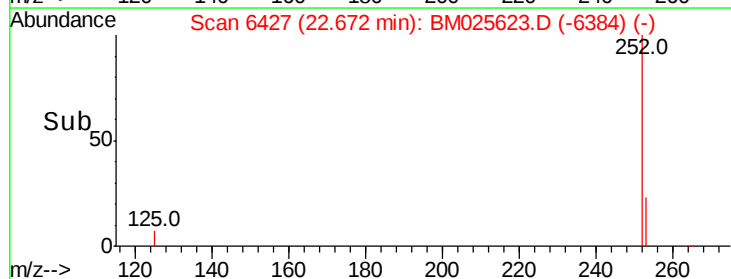
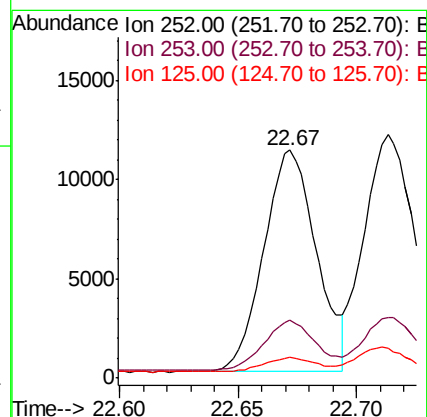
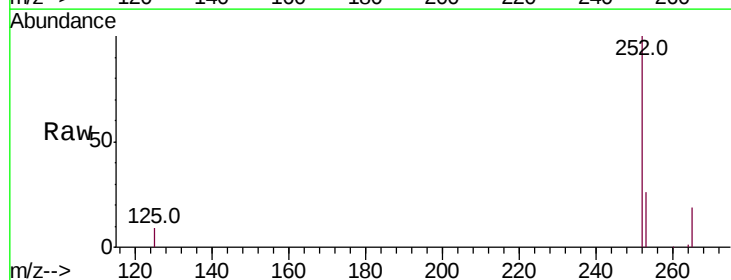
Tgt Ion:252 Resp: 17370

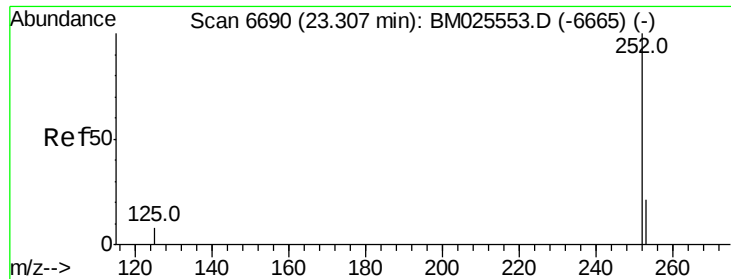
Ion Ratio Lower Upper

252 100

253 25.5 19.8 29.8

125 9.1 7.1 10.7





#23

Benzo(a)pyrene

Concen: 0.387 ng/ul

RT: 23.22 min Scan# 6652

Delta R.T. -0.00 min

Lab File: BM025623.D

Acq: 17 Mar 2020 22:45

Instrument :

BNA_M

ClientSampleId :

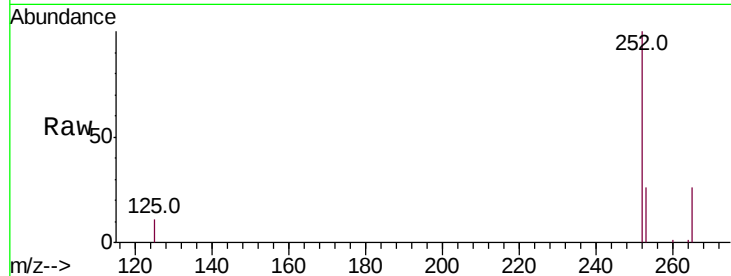
Tot Ion:252 Resp: 14941

Ion Ratio Lower Upper

252 100

253 25.9 21.3 31.9

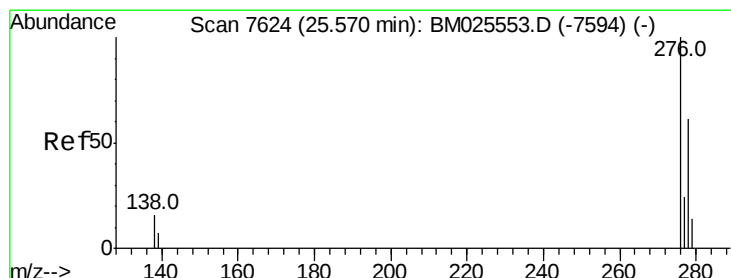
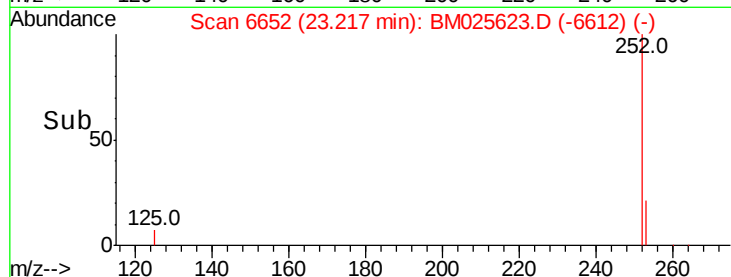
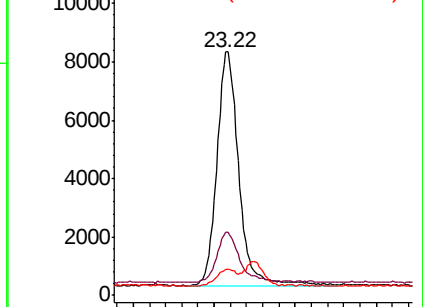
125 10.7 8.5 12.7



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: 0.416 ng/ul

RT: 25.43 min Scan# 7567

Delta R.T. -0.01 min

Lab File: BM025623.D

Acq: 17 Mar 2020 22:45

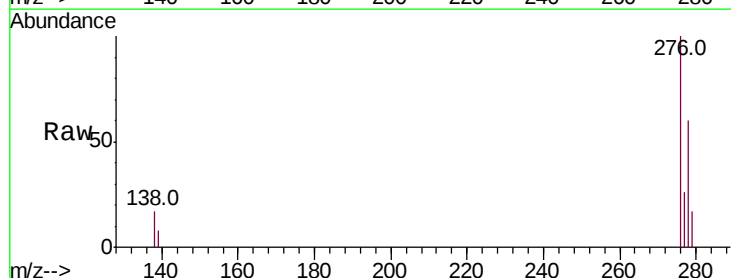
Tgt Ion:276 Resp: 21770

Ion Ratio Lower Upper

276 100

138 16.7 12.3 18.5

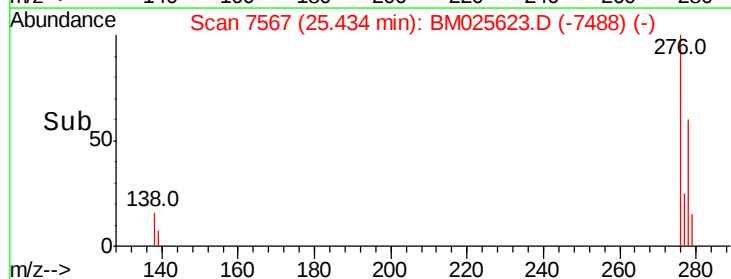
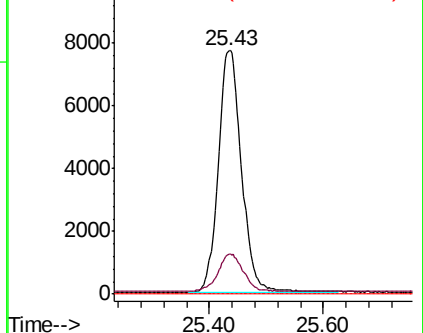
227 0.0 0.0 0.0

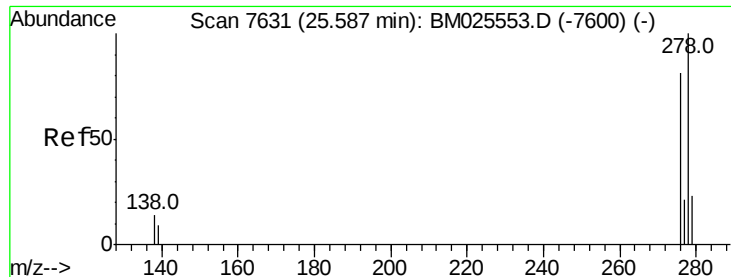


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.409 ng/ul

RT: 25.45 min Scan# 7574

Delta R.T. -0.00 min

Lab File: BM025623.D

Acq: 17 Mar 2020 22:45

Instrument :

BNA_M

ClientSampleId :

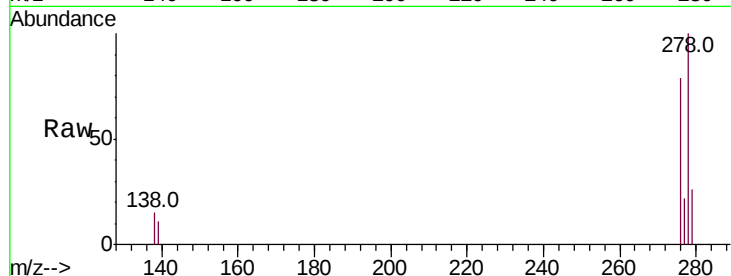
Tot Ion:278 Resp: 18022

Ion Ratio Lower Upper

278 100

139 11.3 9.0 13.6

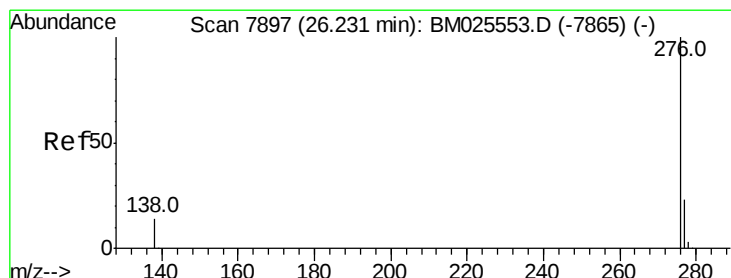
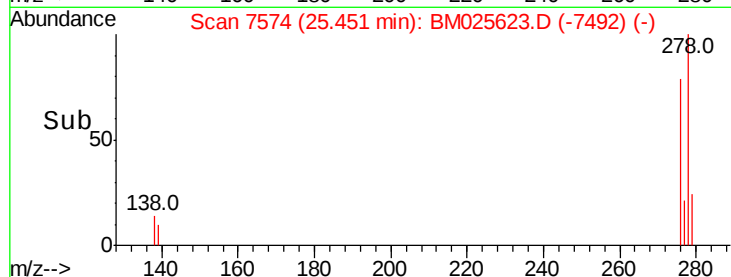
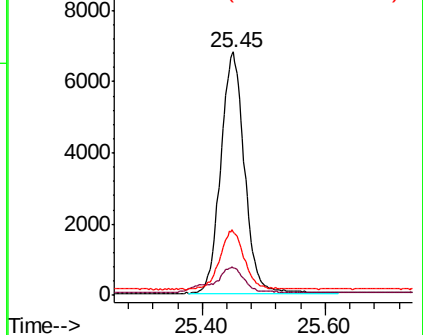
279 26.0 21.1 31.7



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: 0.399 ng/ul

RT: 26.08 min Scan# 7833

Delta R.T. -0.01 min

Lab File: BM025623.D

Acq: 17 Mar 2020 22:45

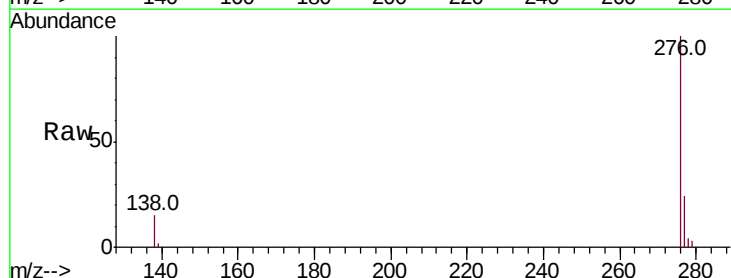
Tgt Ion:276 Resp: 18128

Ion Ratio Lower Upper

276 100

138 15.5 11.0 16.4

277 23.8 19.8 29.6



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

