

Data File : BM025166.D
Acq On : 29 Feb 2020 13:54
Operator : CG/JU
Sample : L1507-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD12

Quant Time: Mar 02 01:18:32 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 02 01:15:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	3411	0.40	ng/ul	0.00
2) Naphthalene-d8	10.45	136	13631	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	11761	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	30157	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	47223	0.40	ng/ul	0.01
20) Perylene-d12	23.44	264	53236	0.40	ng/ul	0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	5864	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	15519	0.15	ng/ul	0.00

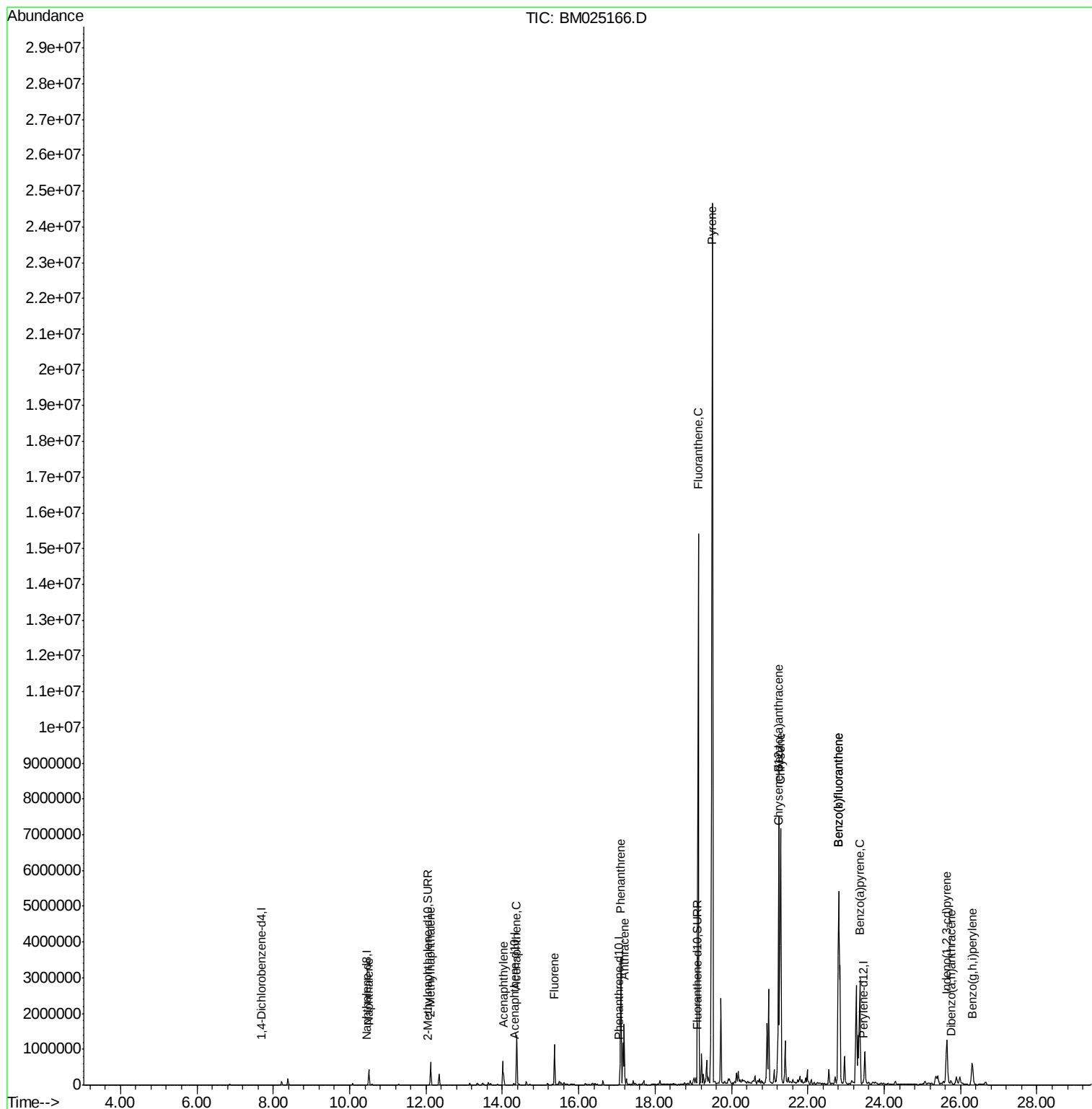
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.50	128	574643	13.849	ng/ul#	82
5) 2-Methylnaphthalene	12.12	142	449240	15.004	ng/ul	100
7) Acenaphthylene	14.03	152	391311	5.771	ng/ul	93
8) Acenaphthene	14.37	153	801170	17.585	ng/ul	97
9) Fluorene	15.36	166	701097	12.263	ng/ul#	95
12) Phenanthrene	17.10	178	3756943	35.418	ng/ul	96
13) Anthracene	17.19	178	1781658	17.330	ng/ul	95
15) Fluoranthene	19.13	202	13920360	90.346	ng/ul	96
17) Pyrene	19.49	202	20908475	98.261	ng/ul#	89
18) Benzo(a)anthracene	21.24	228	6600274	32.373	ng/ul	94
19) Chrysene	21.29	228	8230318	40.526	ng/ul	98
21) Benzo(b)fluoranthene	22.80	252	12908029	61.856	ng/ul	92
22) Benzo(k)fluoranthene	22.80	252	12908029	62.437	ng/ul#	94
23) Benzo(a)pyrene	23.36	252	3965780	20.814	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.64	276	2025007	8.483	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.74	278	161832	0.807	ng/ul	95
26) Benzo(g,h,i)perylene	26.31	276	1290613	6.416	ng/ul#	91

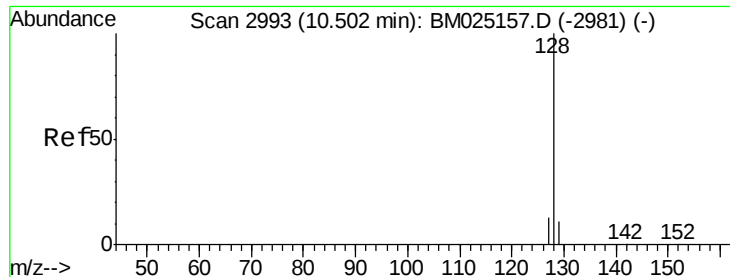
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 13.849 ng/ul

RT: 10.50 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BM025166.D

Acq: 29 Feb 2020 13:54

Instrument :

BNA_M

ClientSampleId :

DBD12

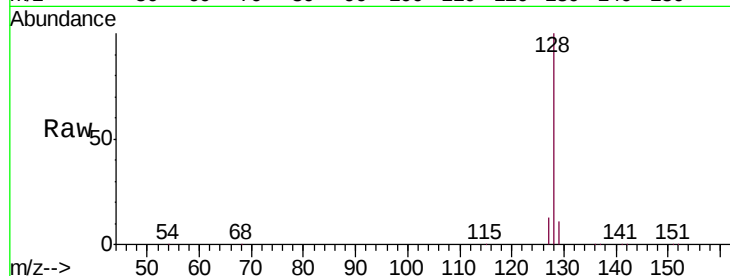
Tgt Ion:128 Resp: 574643

Ion Ratio Lower Upper

128 100

129 11.0 17.0 25.6#

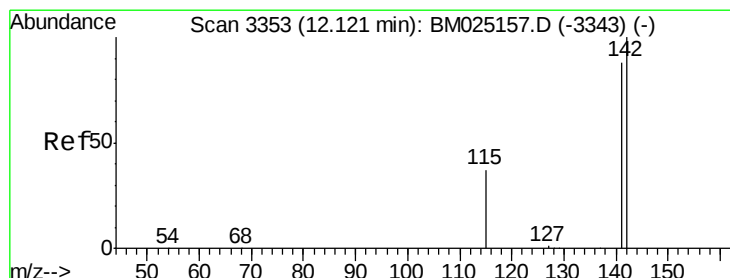
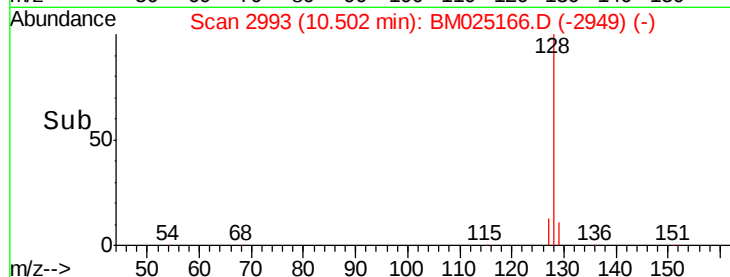
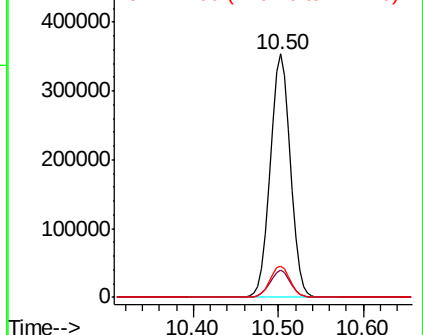
127 12.9 15.7 23.5#



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: 15.004 ng/ul

RT: 12.12 min Scan# 3353

Delta R.T. 0.00 min

Lab File: BM025166.D

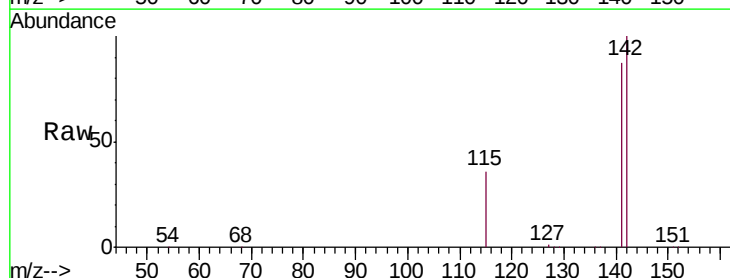
Acq: 29 Feb 2020 13:54

Tgt Ion:142 Resp: 449240

Ion Ratio Lower Upper

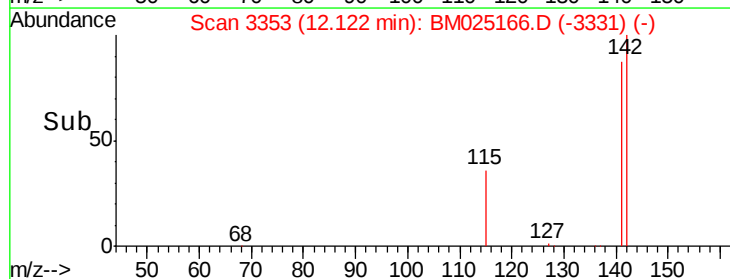
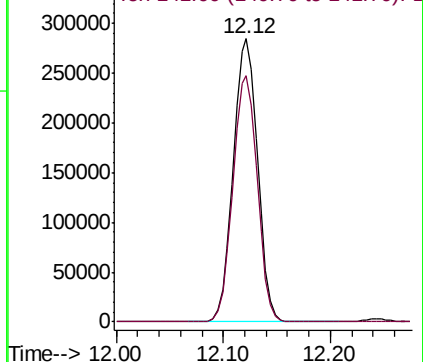
142 100

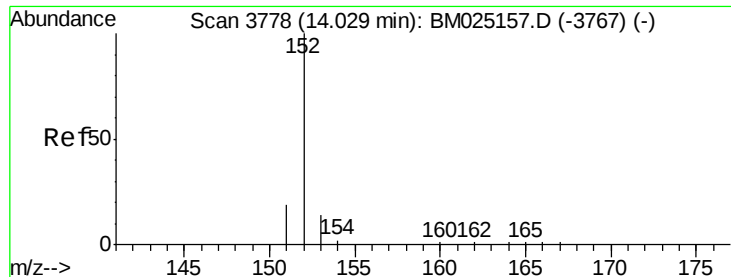
141 87.5 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 5.771 ng/ul

RT: 14.03 min Scan# 3778

Delta R.T. 0.00 min

Lab File: BM025166.D

Acq: 29 Feb 2020 13:54

Instrument :

BNA_M

ClientSampleId :

DBD12

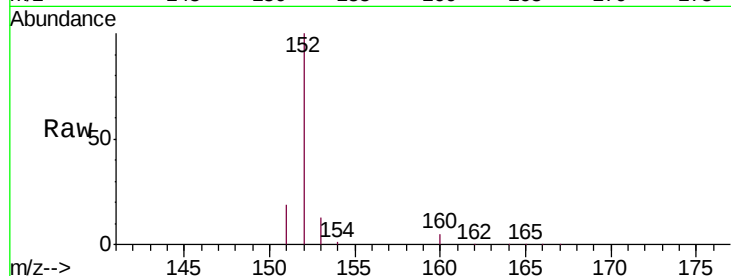
Tgt Ion:152 Resp: 391311

Ion Ratio Lower Upper

152 100

151 19.4 17.8 26.8

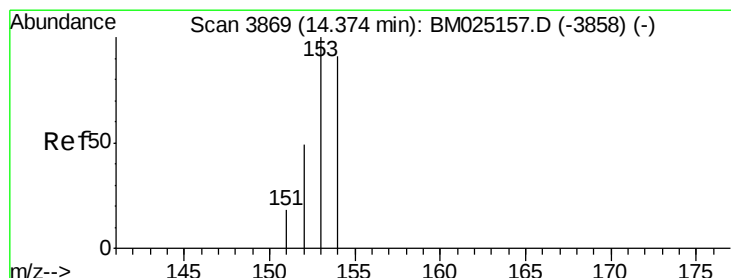
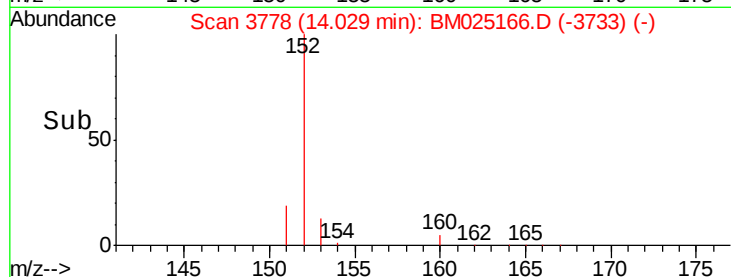
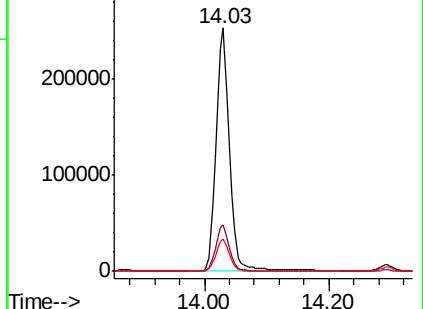
153 13.4 13.3 19.9



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: 17.585 ng/ul

RT: 14.37 min Scan# 3869

Delta R.T. 0.00 min

Lab File: BM025166.D

Acq: 29 Feb 2020 13:54

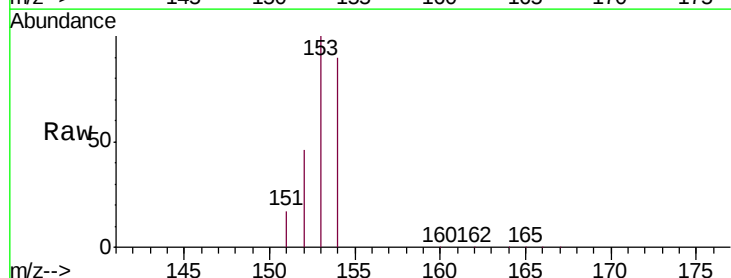
Tgt Ion:153 Resp: 801170

Ion Ratio Lower Upper

153 100

152 46.5 40.0 60.0

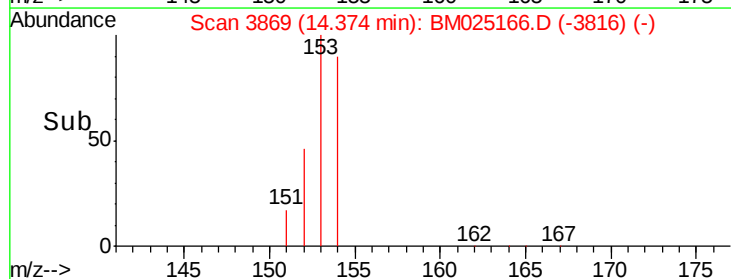
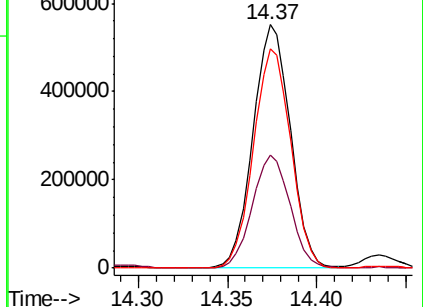
154 90.0 71.0 106.6

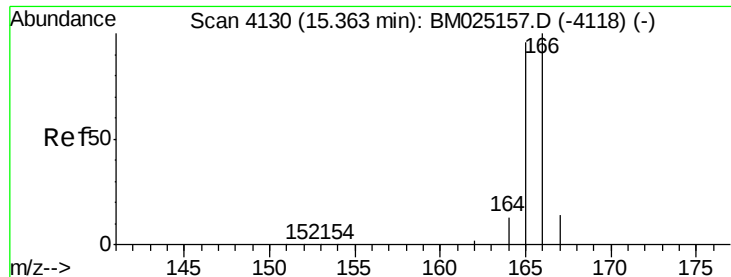


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 12.263 ng/ul

RT: 15.36 min Scan# 4130

Delta R.T. 0.00 min

Lab File: BM025166.D

Acq: 29 Feb 2020 13:54

Instrument :

BNA_M

ClientSampleId :

DBD12

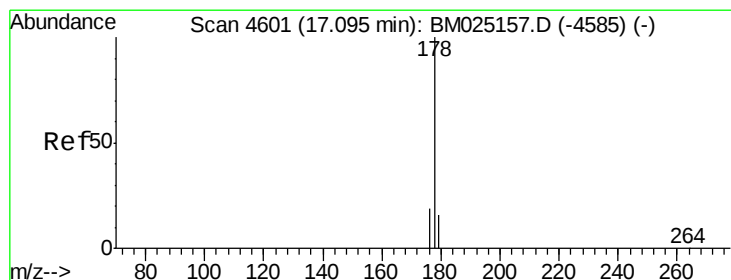
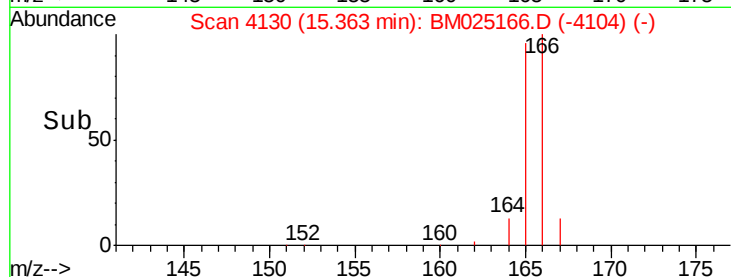
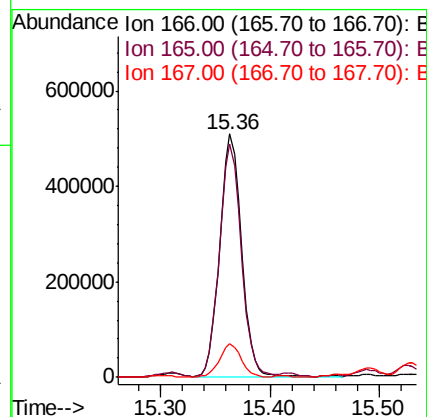
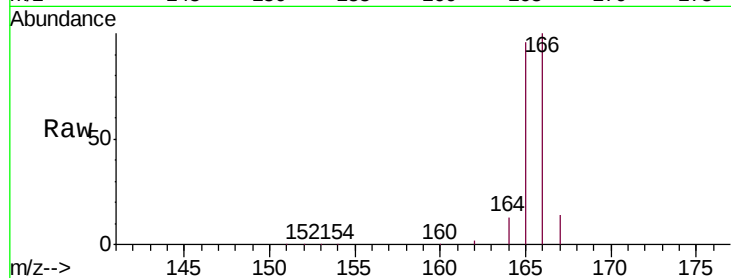
Tgt Ion:166 Resp: 701097

Ion Ratio Lower Upper

166 100

165 95.8 80.0 120.0

167 13.6 13.7 20.5#



#12

Phenanthrene

Concen: 35.418 ng/ul

RT: 17.10 min Scan# 4602

Delta R.T. 0.00 min

Lab File: BM025166.D

Acq: 29 Feb 2020 13:54

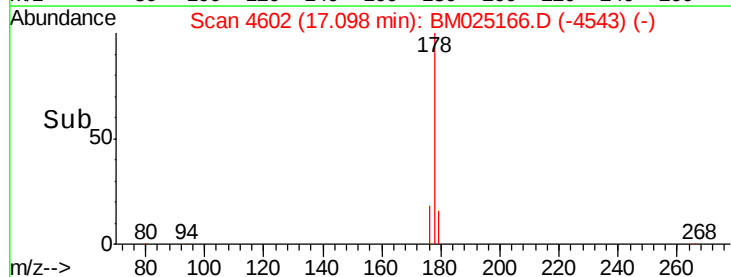
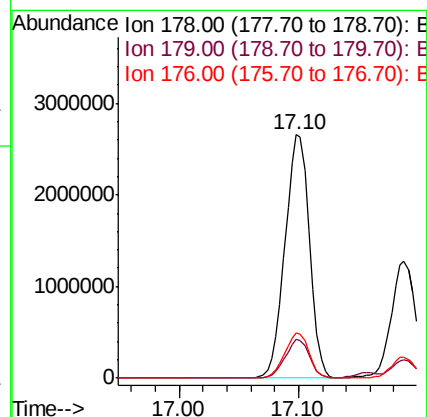
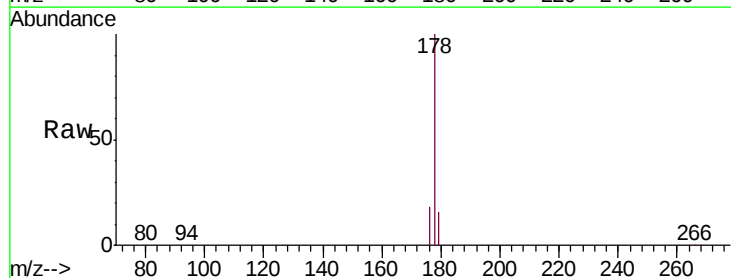
Tgt Ion:178 Resp: 3756943

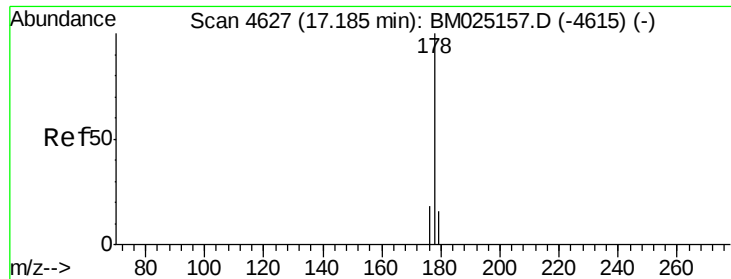
Ion Ratio Lower Upper

178 100

179 15.8 14.0 21.0

176 18.4 16.6 24.8





#13

Anthracene

Concen: 17.330 ng/ul

RT: 17.19 min Scan# 4628

Delta R.T. 0.00 min

Lab File: BM025166.D

Acq: 29 Feb 2020 13:54

Instrument :

BNA_M

ClientSampleId :

DBD12

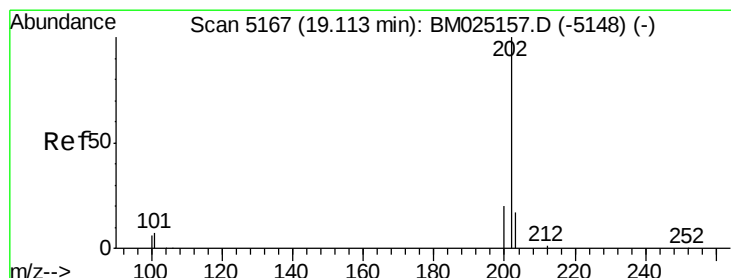
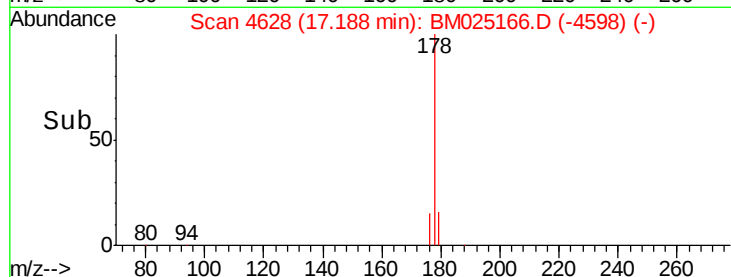
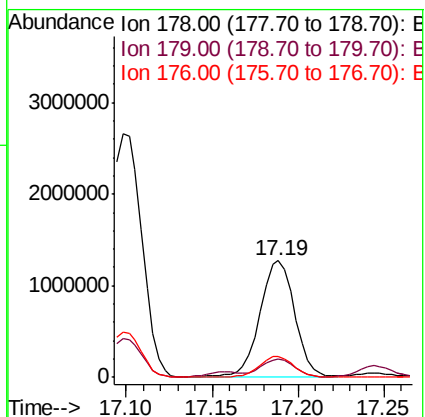
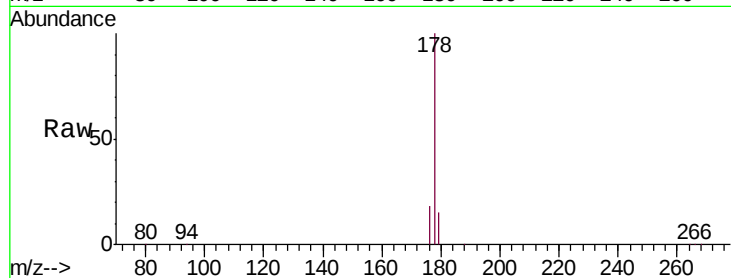
Tgt Ion:178 Resp: 1781658

Ion Ratio Lower Upper

178 100

179 15.5 14.1 21.1

176 17.8 16.2 24.4



#15

Fluoranthene

Concen: 90.346 ng/ul

RT: 19.13 min Scan# 5170

Delta R.T. 0.01 min

Lab File: BM025166.D

Acq: 29 Feb 2020 13:54

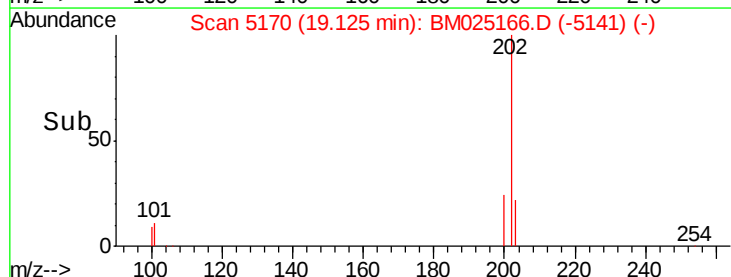
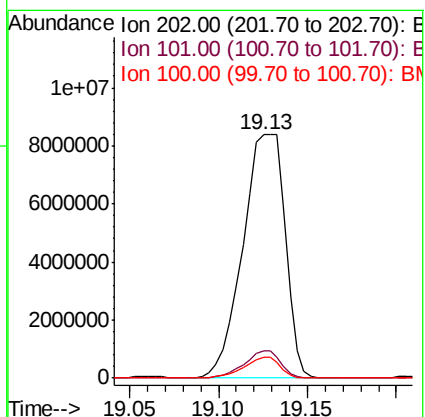
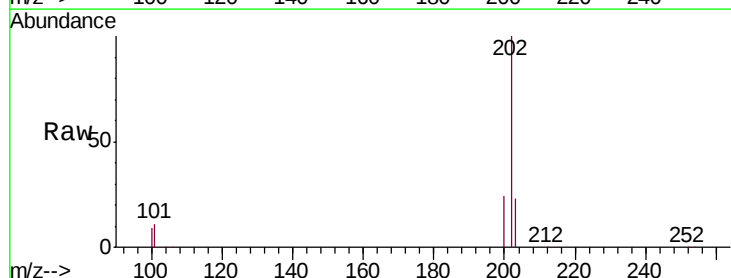
Tgt Ion:202 Resp:13920360

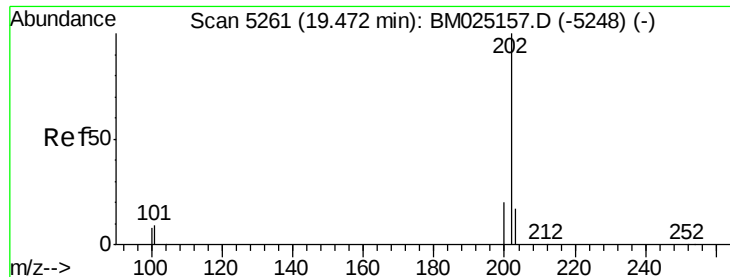
Ion Ratio Lower Upper

202 100

101 11.3 0.0 29.4

100 8.7 0.0 28.0

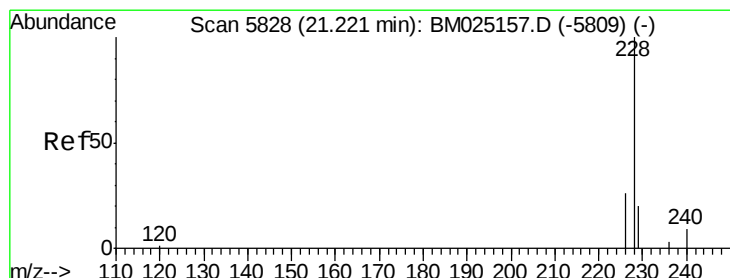
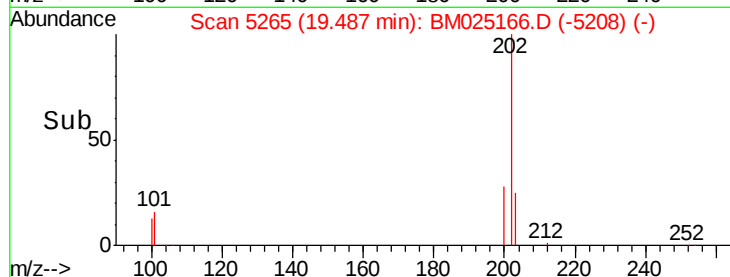
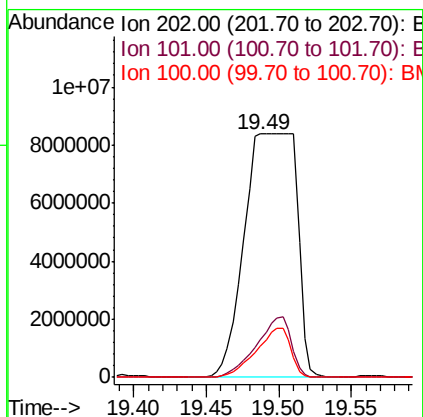
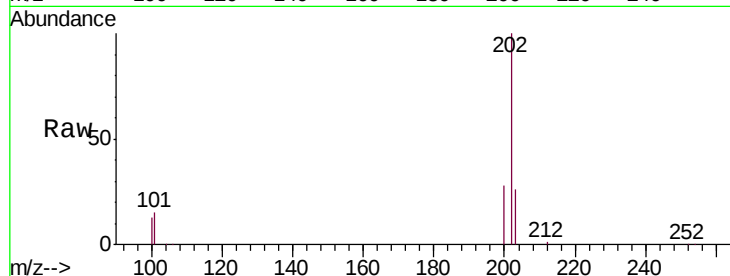




#17
 Pyrene
 Concen: 98.261 ng/ul
 RT: 19.49 min Scan# 5265
 Delta R.T. 0.02 min
 Lab File: BM025166.D
 Acq: 29 Feb 2020 13:54

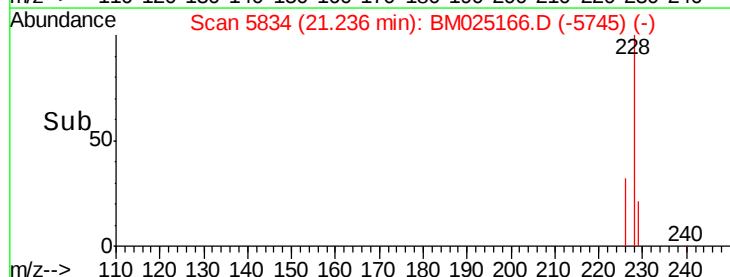
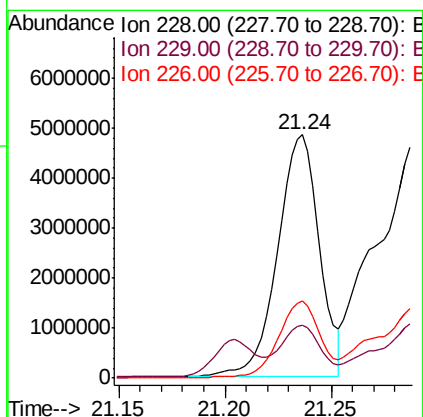
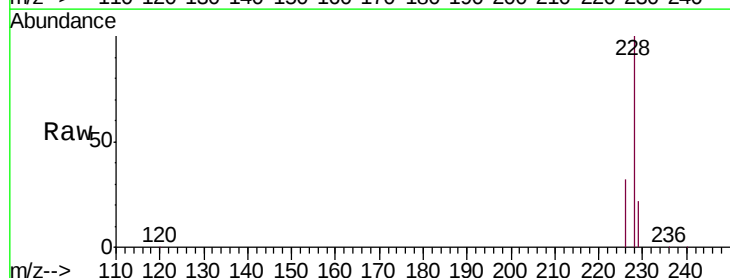
Instrument :
 BNA_M
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 DBD12

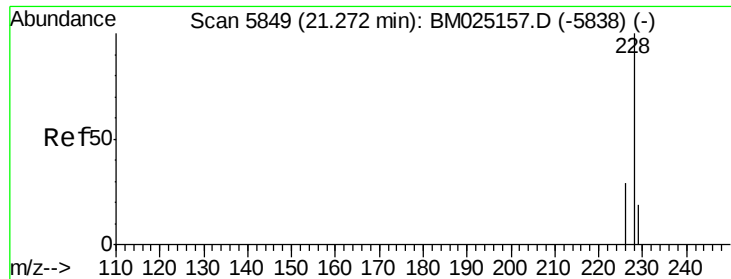
Tgt Ion:202 Resp:20908475
 Ion Ratio Lower Upper
 202 100
 101 15.4 8.7 13.1#
 100 12.8 7.3 10.9#



#18
 Benzo(a)anthracene
 Concen: 32.373 ng/ul
 RT: 21.24 min Scan# 5834
 Delta R.T. 0.01 min
 Lab File: BM025166.D
 Acq: 29 Feb 2020 13:54

Tgt Ion:228 Resp: 6600274
 Ion Ratio Lower Upper
 228 100
 229 21.9 16.6 25.0
 226 31.7 21.9 32.9





#19

Chrysene

Concen: 40.526 ng/ul

RT: 21.29 min Scan# 5856

Delta R.T. 0.02 min

Lab File: BM025166.D

Acq: 29 Feb 2020 13:54

Instrument :

BNA_M

ClientSampleId :

DBD12

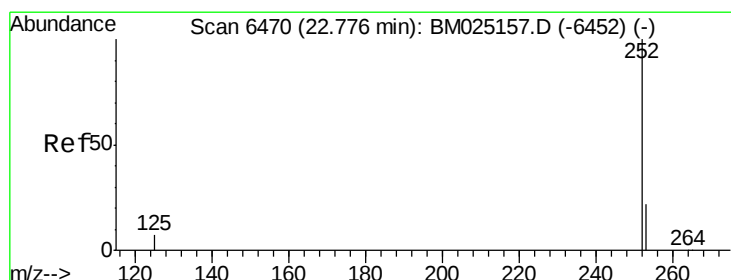
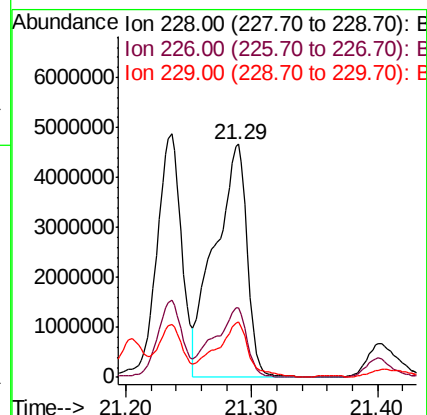
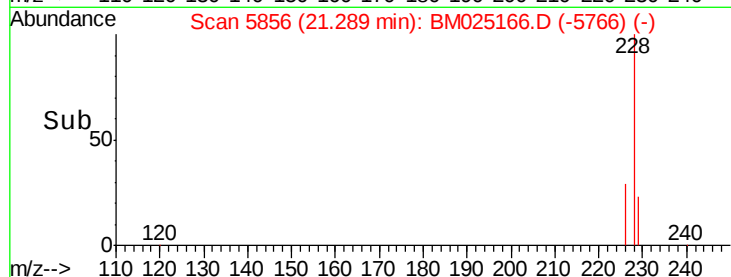
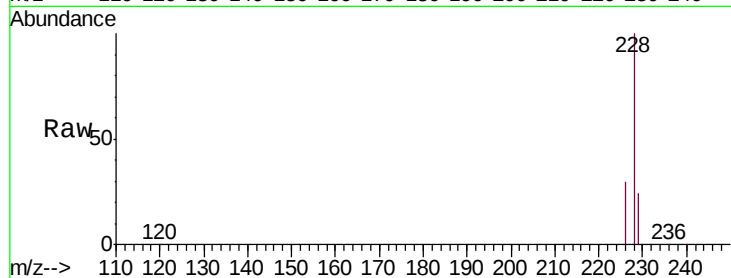
Tgt Ion:228 Resp: 8230318

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

229 23.6 16.9 25.3



#21

Benzo(b)fluoranthene

Concen: 61.856 ng/ul

RT: 22.80 min Scan# 6481

Delta R.T. 0.03 min

Lab File: BM025166.D

Acq: 29 Feb 2020 13:54

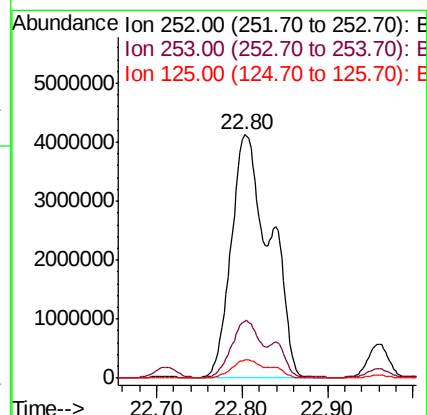
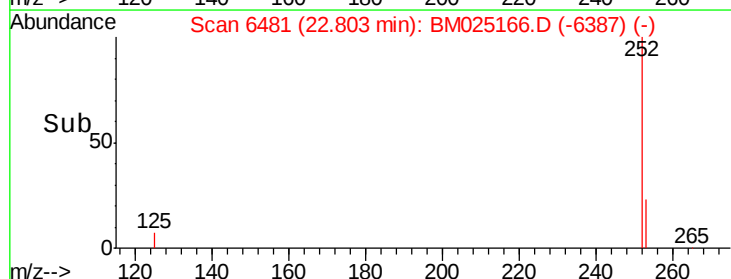
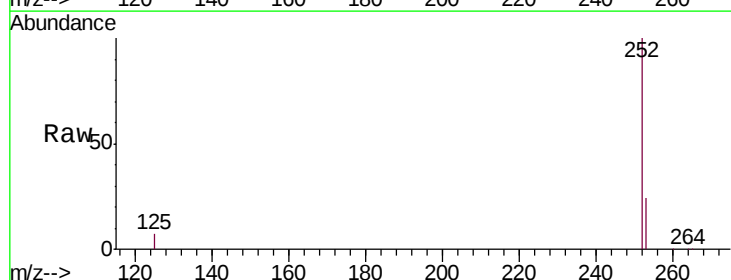
Tgt Ion:252 Resp:12908029

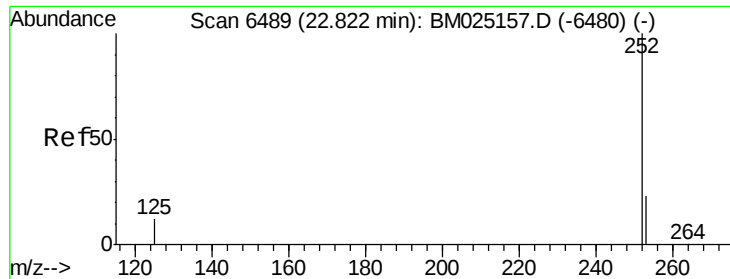
Ion Ratio Lower Upper

252 100

253 23.5 0.0 49.8

125 7.4 0.0 28.6





#22

Benzo(k)fluoranthene

Concen: 62.437 ng/ul

RT: 22.80 min Scan# 6481

Delta R.T. -0.02 min

Lab File: BM025166.D

Acq: 29 Feb 2020 13:54

Instrument :

BNA_M

ClientSampleId :

DBD12

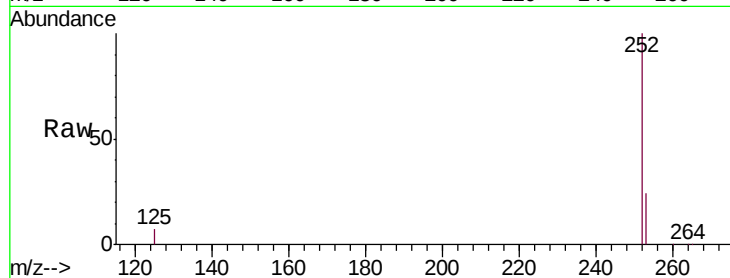
Tgt Ion:252 Resp:12908029

Ion Ratio Lower Upper

252 100

253 23.5 19.4 29.0

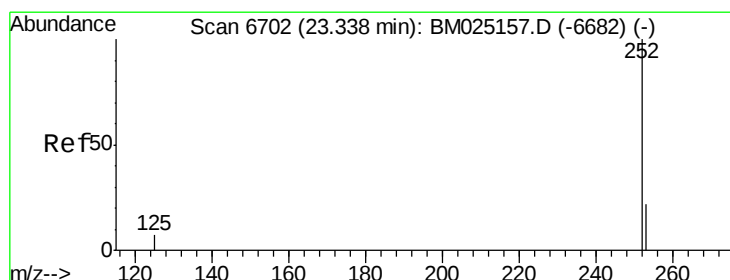
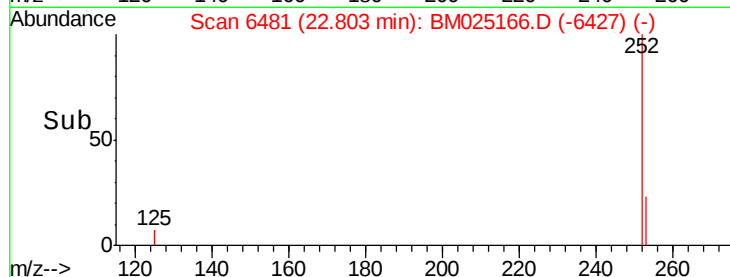
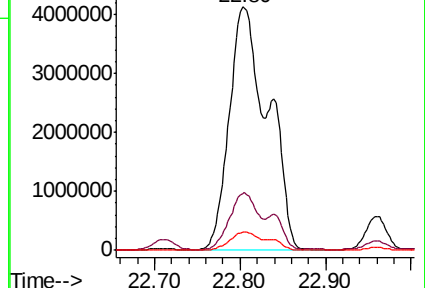
125 7.4 10.7 16.1#



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: 20.814 ng/ul

RT: 23.36 min Scan# 6711

Delta R.T. 0.02 min

Lab File: BM025166.D

Acq: 29 Feb 2020 13:54

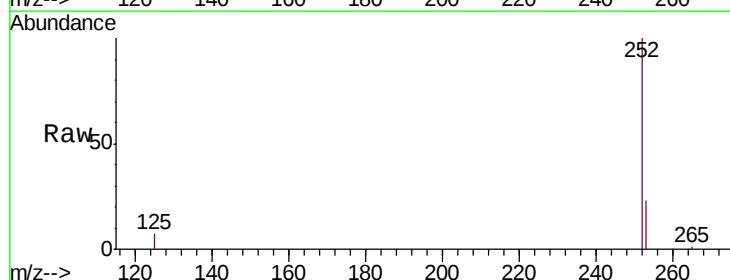
Tgt Ion:252 Resp: 3965780

Ion Ratio Lower Upper

252 100

253 22.9 20.3 30.5

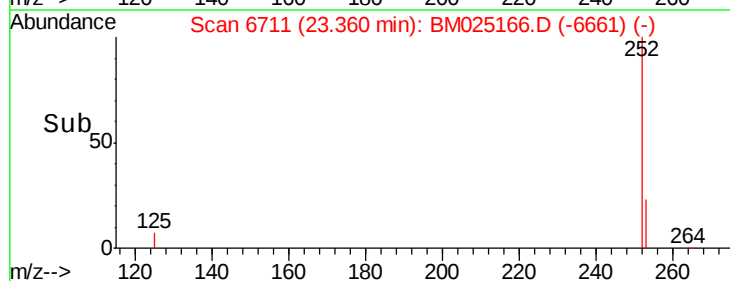
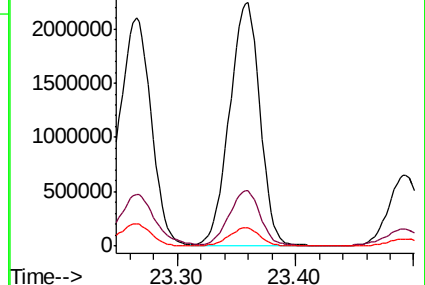
125 7.5 13.0 19.4#

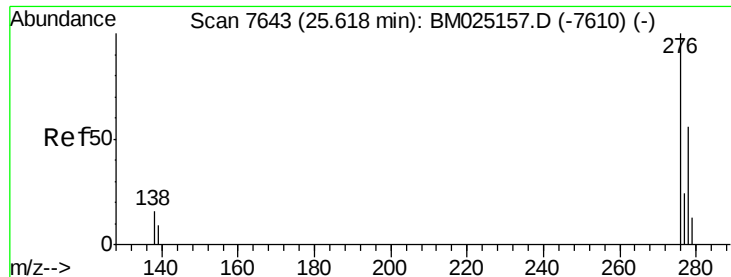


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



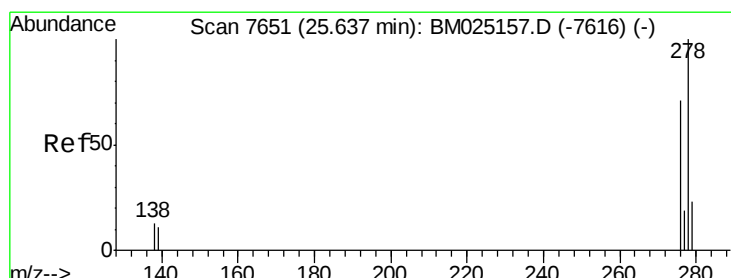
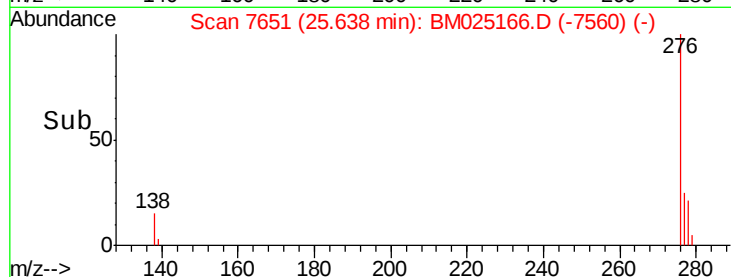
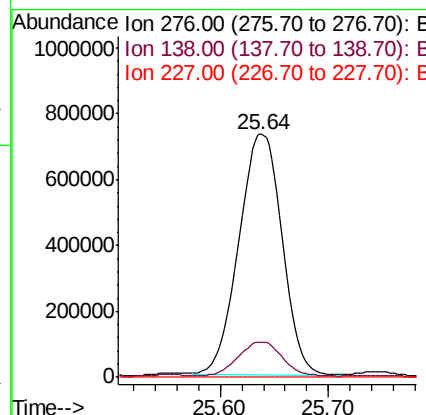
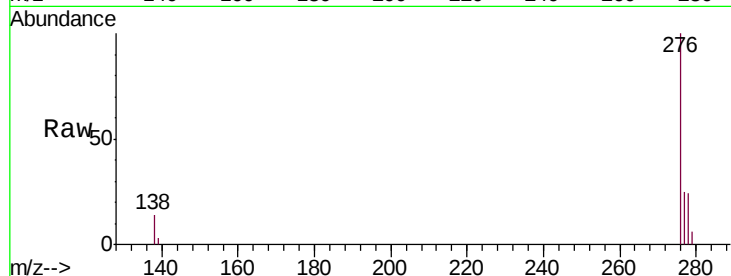


#24

Indeno(1,2,3-cd)pyrene
Concen: 8.483 ng/u1
RT: 25.64 min Scan# 7651
Delta R.T. 0.02 min
Lab File: BM025166.D
Acq: 29 Feb 2020 13:54

Instrument :
BNA_M
ClientSampleId :
DBD12

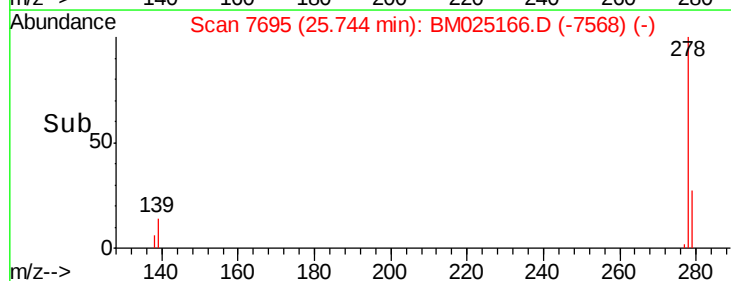
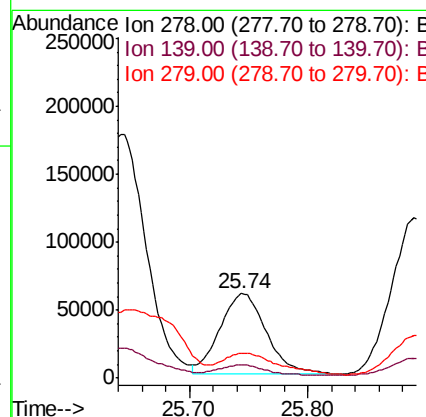
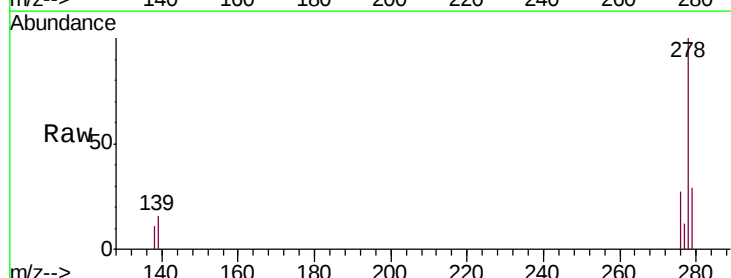
Tgt Ion:276 Resp: 2025007
Ion Ratio Lower Upper
276 100
138 15.0 0.0 0.0#
227 0.0 0.0 0.0

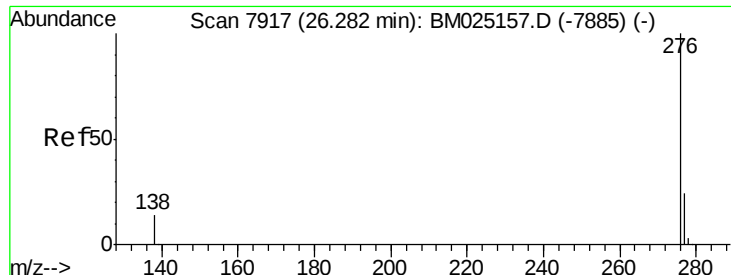


#25

Dibenzo(a,h)anthracene
Concen: 0.807 ng/u1
RT: 25.74 min Scan# 7695
Delta R.T. 0.11 min
Lab File: BM025166.D
Acq: 29 Feb 2020 13:54

Tgt Ion:278 Resp: 161832
Ion Ratio Lower Upper
278 100
139 15.7 13.2 19.8
279 29.5 21.0 31.4





#26

Benzo(g,h,i)perylene

Concen: 6.416 ng/ul

RT: 26.31 min Scan# 7927

Delta R.T. 0.02 min

Lab File: BM025166.D

Acq: 29 Feb 2020 13:54

Instrument :

BNA_M

ClientSampleId :

DBD12

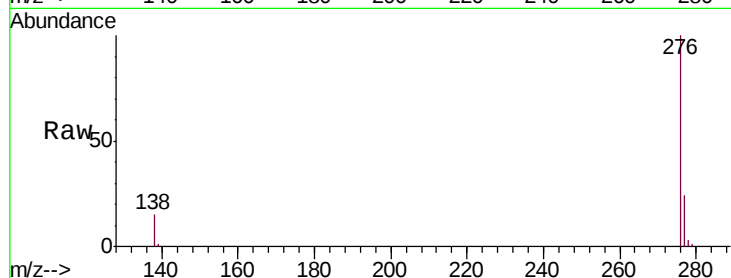
Tgt Ion: 276 Resp: 1290613

Ion Ratio Lower Upper

276 100

138 14.8 17.9 26.9#

277 24.0 20.5 30.7



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

