

Data File : BM025559.D
Acq On : 14 Mar 2020 02:39
Operator : CG/JU
Sample : L1786-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC8

Quant Time: Mar 16 06:48:09 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 : Mon Mar 16 06:44:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	3427	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	14826	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	9953	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	21196	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	14740	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	14329	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	2551	0.10	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	6218	0.11	ng/ul	0.00

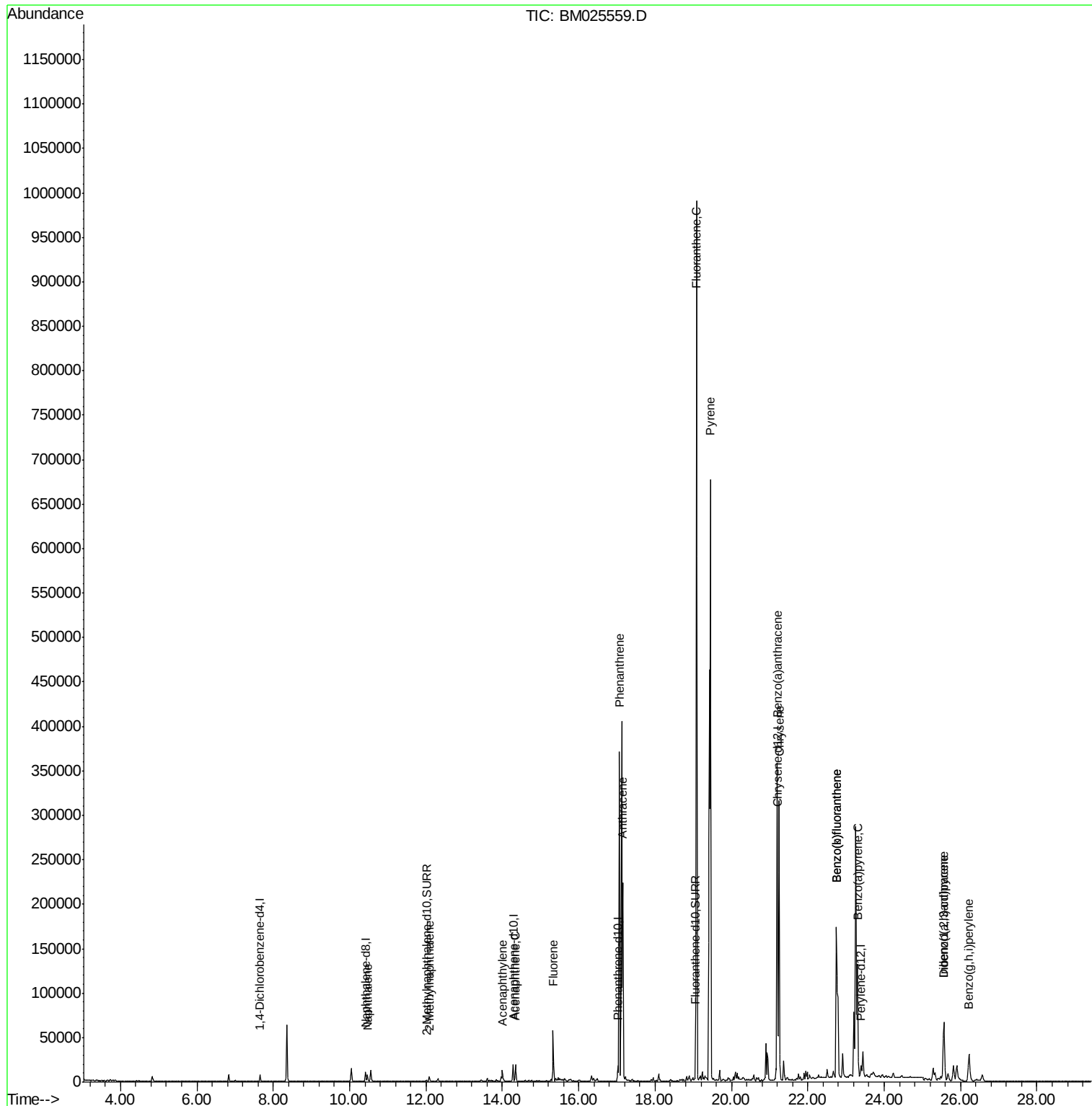
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.47	128	10220	0.233	ng/ul	100
5) 2-Methylnaphthalene	12.09	142	4175	0.133	ng/ul	100
7) Acenaphthylene	14.00	152	13190	0.324	ng/ul#	86
8) Acenaphthene	14.35	153	10789	0.302	ng/ul	99
9) Fluorene	15.33	166	34490	0.794	ng/ul	100
12) Phenanthrene	17.07	178	384367	5.722	ng/ul	99
13) Anthracene	17.16	178	227669	3.895	ng/ul	99
15) Fluoranthene	19.08	202	808893	11.109	ng/ul	98
17) Pyrene	19.45	202	571686	8.641	ng/ul	98
18) Benzo(a)anthracene	21.20	228	290113	5.505	ng/ul	99
19) Chrysene	21.25	228	286795	4.846	ng/ul	98
21) Benzo(b)fluoranthene	22.74	252	387295	6.826	ng/ul	96
22) Benzo(k)fluoranthene	22.74	252	387295	6.515	ng/ul	96
23) Benzo(a)pyrene	23.30	252	164822	3.498	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.56	276	99237	1.552	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.57	278	31765	0.591	ng/ul	96
26) Benzo(g,h,i)perylene	26.22	276	63136	1.139	ng/ul	98

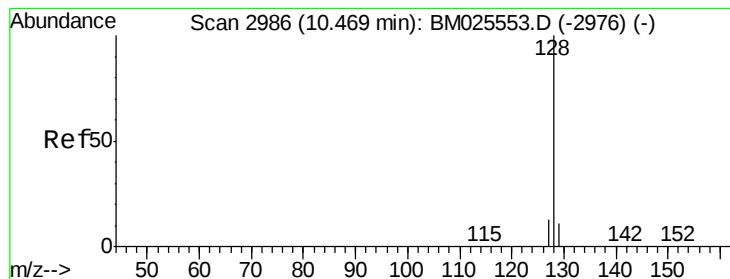
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.233 ng/ul

RT: 10.47 min Scan# 2986

Delta R.T. 0.00 min

Lab File: BM025559.D

Acq: 14 Mar 2020 02:39

Instrument :

BNA_M

ClientSampleId :

C0AC8

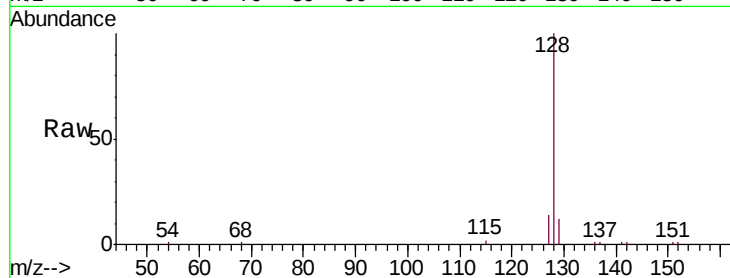
Tgt Ion:128 Resp: 10220

Ion Ratio Lower Upper

128 100

129 12.0 9.4 14.0

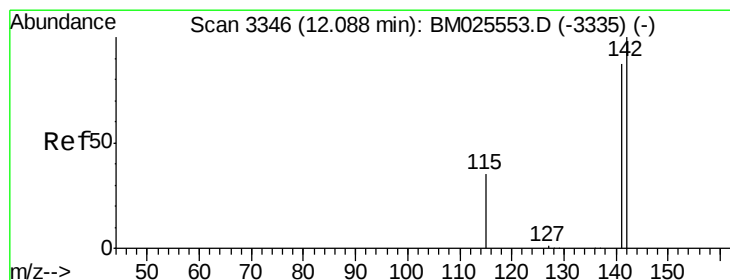
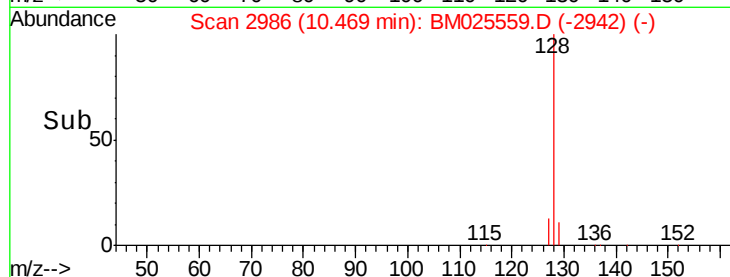
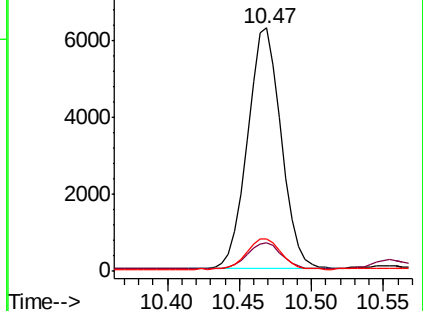
127 13.6 10.9 16.3



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: 0.133 ng/ul

RT: 12.09 min Scan# 3346

Delta R.T. 0.00 min

Lab File: BM025559.D

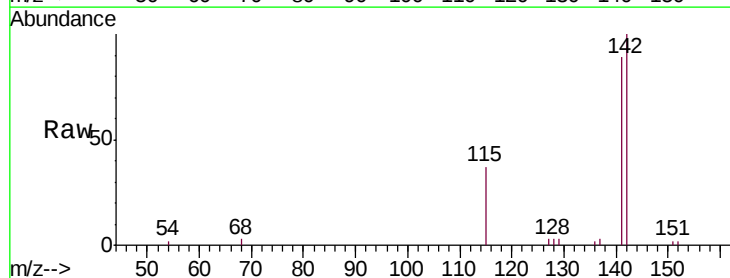
Acq: 14 Mar 2020 02:39

Tgt Ion:142 Resp: 4175

Ion Ratio Lower Upper

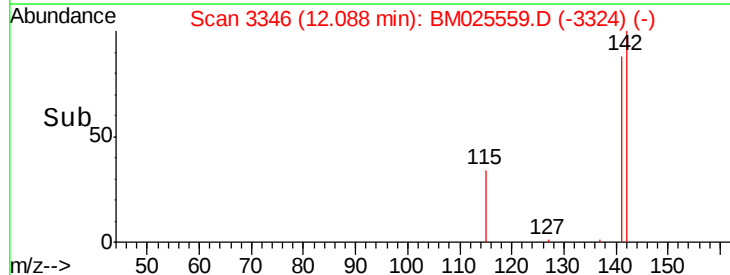
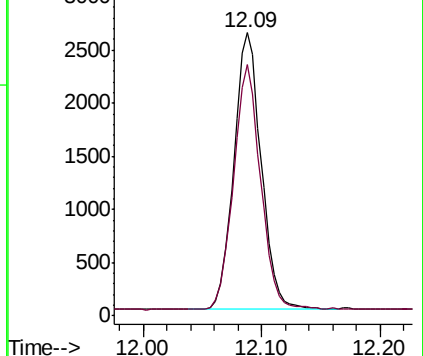
142 100

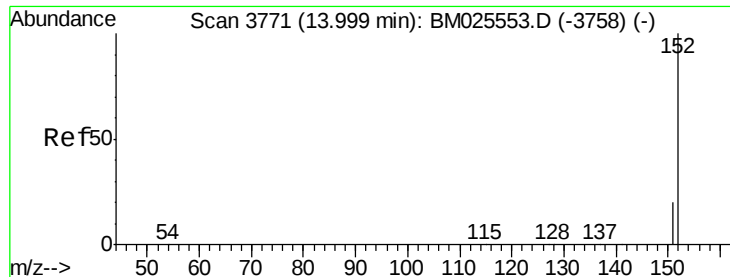
141 87.4 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.324 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. 0.00 min

Lab File: BM025559.D

Acq: 14 Mar 2020 02:39

Instrument :

BNA_M

ClientSampleId :

C0AC8

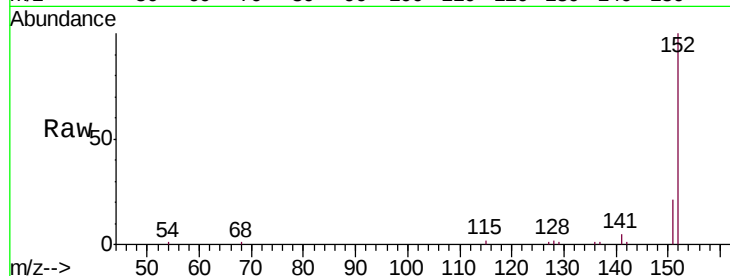
Tgt Ion:152 Resp: 13190

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.2

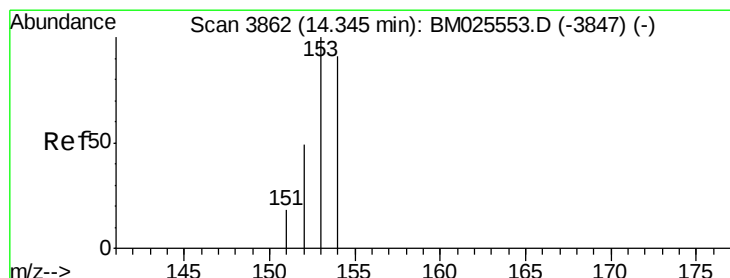
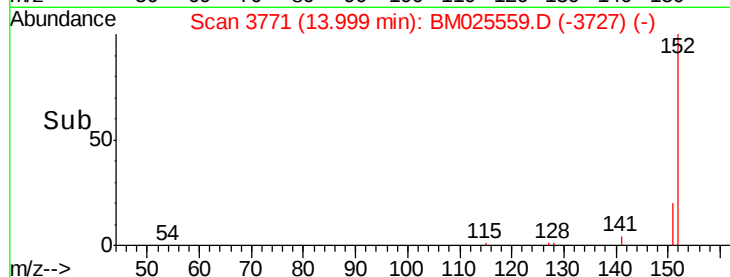
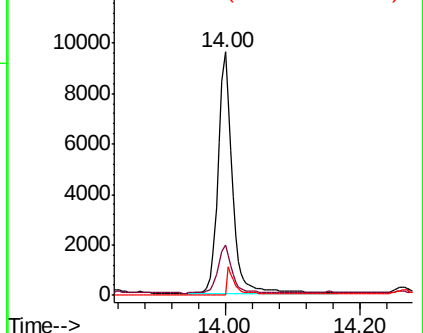
153 0.0 10.6 16.0#



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: 0.302 ng/ul

RT: 14.35 min Scan# 3862

Delta R.T. 0.00 min

Lab File: BM025559.D

Acq: 14 Mar 2020 02:39

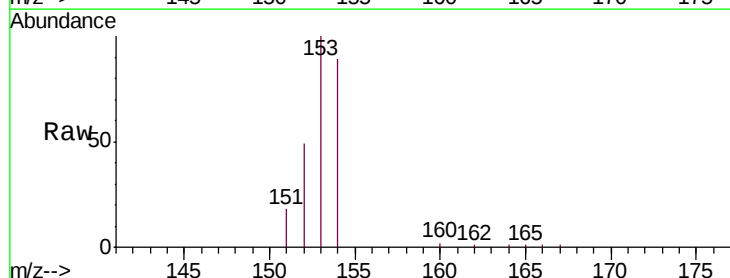
Tgt Ion:153 Resp: 10789

Ion Ratio Lower Upper

153 100

152 48.5 39.5 59.3

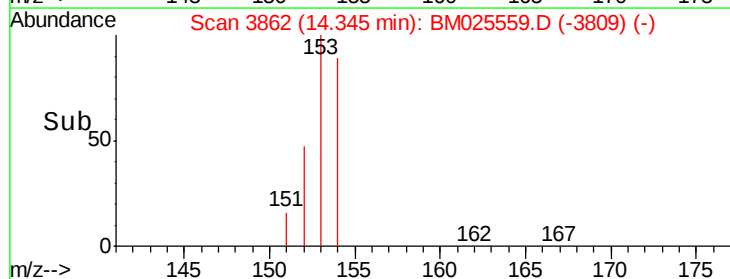
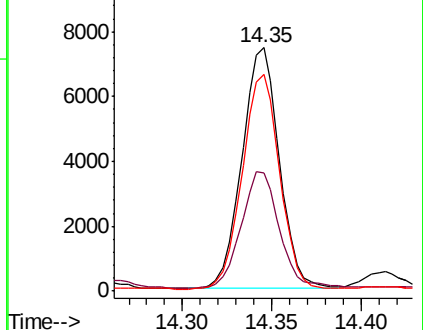
154 89.1 71.7 107.5

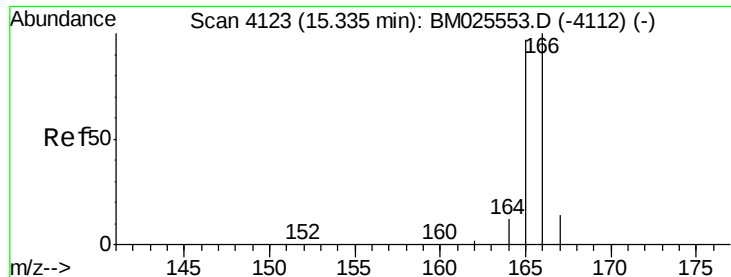


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

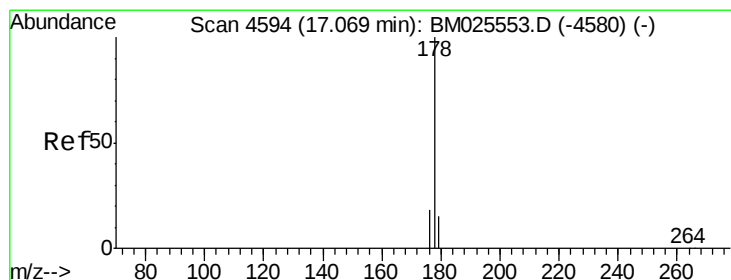
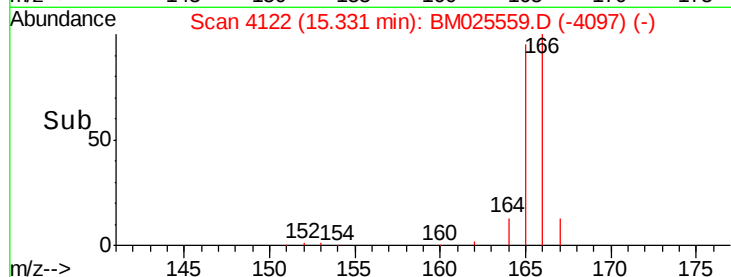
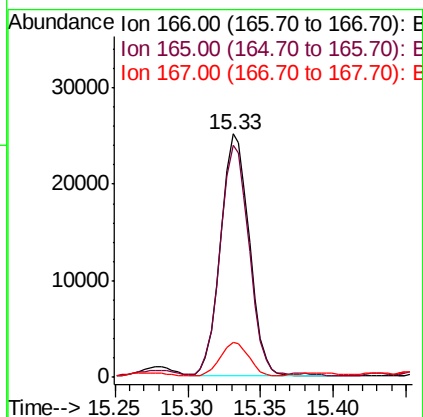
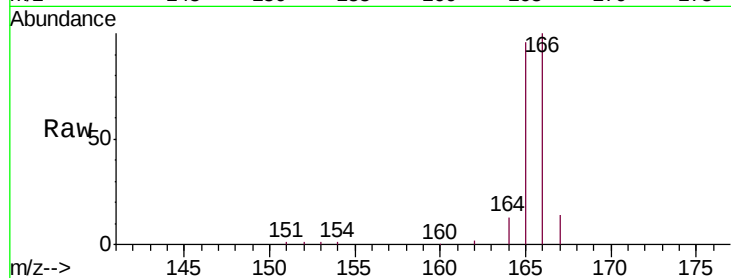




#9
Fluorene
 Concen: 0.794 ng/ul
 RT: 15.33 min Scan# 4122
 Delta R.T. -0.00 min
 Lab File: BM025559.D
 Acq: 14 Mar 2020 02:39

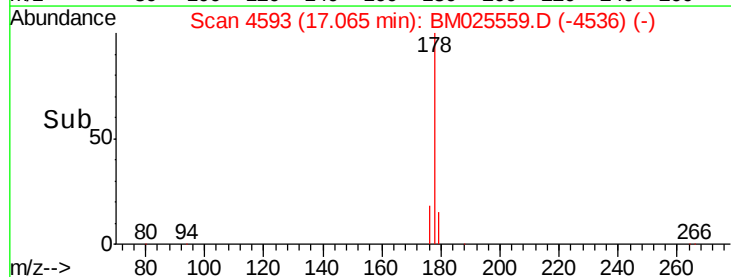
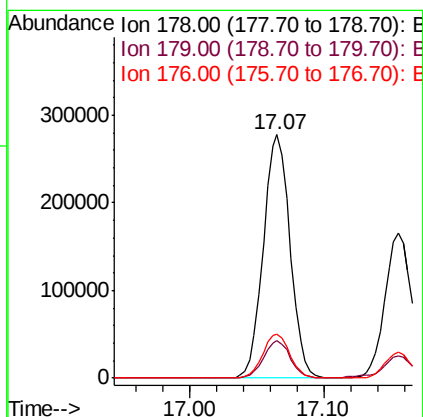
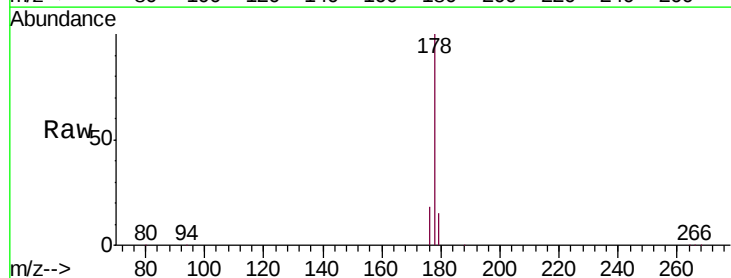
Instrument :
 BNA_M
 ClientSampleId :
 C0AC8

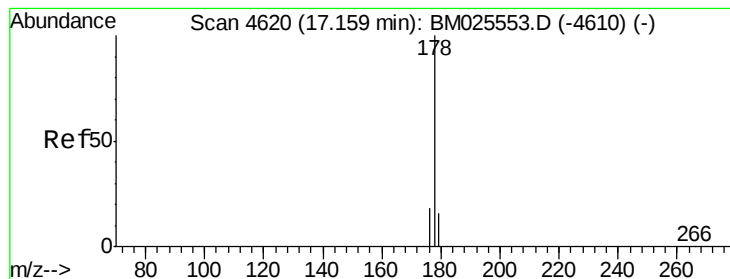
Tgt Ion:166 Resp: 34490
 Ion Ratio Lower Upper
 166 100
 165 95.6 76.8 115.2
 167 14.2 11.2 16.8



#12
Phenanthrene
 Concen: 5.722 ng/ul
 RT: 17.07 min Scan# 4593
 Delta R.T. -0.00 min
 Lab File: BM025559.D
 Acq: 14 Mar 2020 02:39

Tgt Ion:178 Resp: 384367
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.4 18.6
 176 18.1 14.8 22.2





#13

Anthracene

Concen: 3.895 ng/ul

RT: 17.16 min Scan# 4619

Delta R.T. -0.00 min

Lab File: BM025559.D

Acq: 14 Mar 2020 02:39

Instrument :

BNA_M

ClientSampleId :

C0AC8

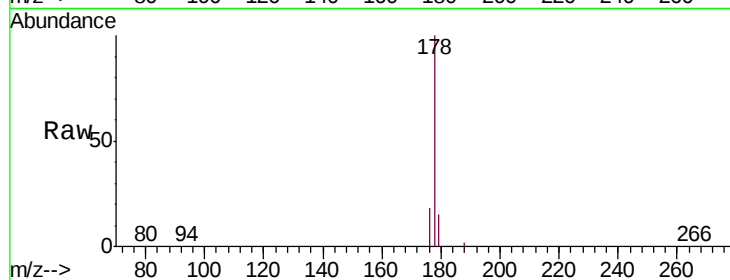
Tgt Ion:178 Resp: 227669

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

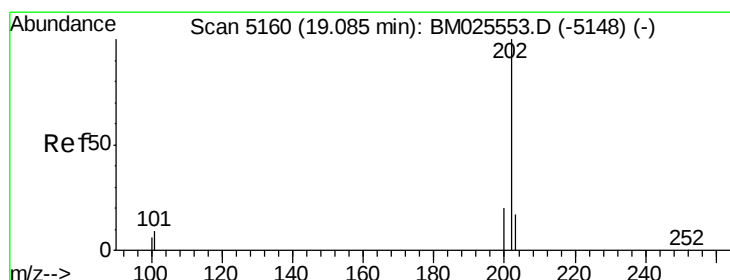
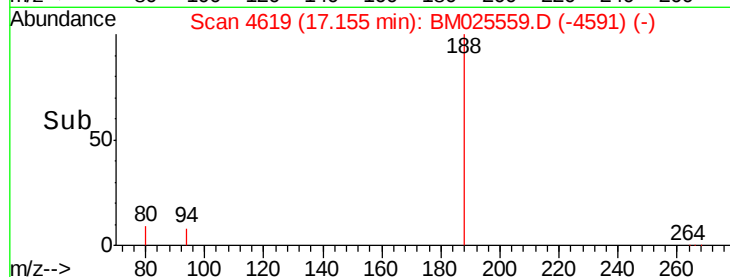
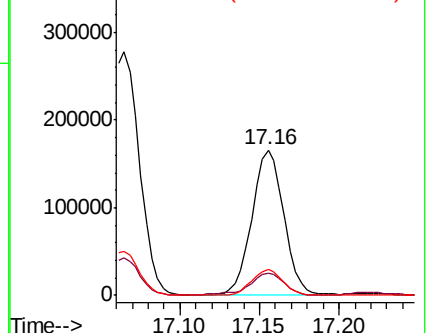
176 17.6 14.5 21.7



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: 11.109 ng/ul

RT: 19.08 min Scan# 5160

Delta R.T. 0.00 min

Lab File: BM025559.D

Acq: 14 Mar 2020 02:39

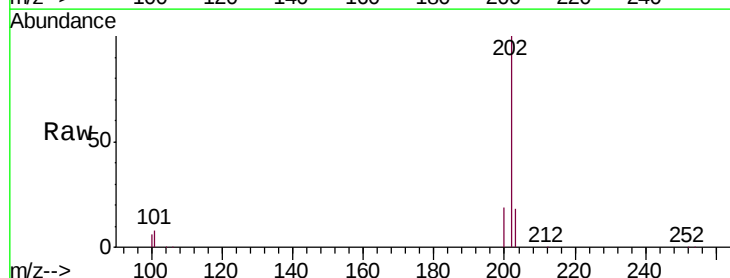
Tgt Ion:202 Resp: 808893

Ion Ratio Lower Upper

202 100

101 8.4 0.0 27.5

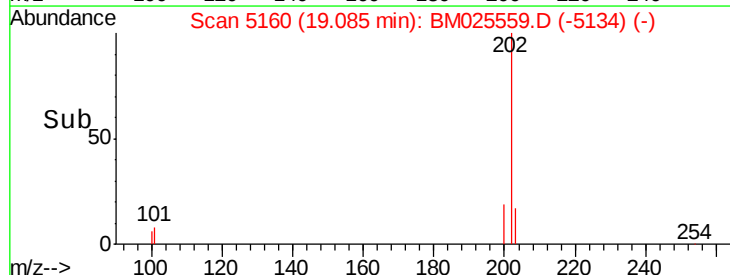
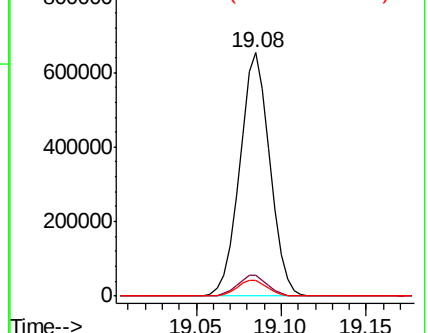
100 6.3 0.0 26.0

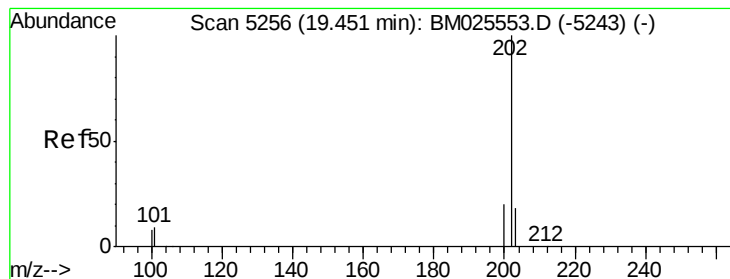


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pyrene

Concen: 8.641 ng/ul

RT: 19.45 min Scan# 5255

Delta R.T. -0.00 min

Lab File: BM025559.D

Acq: 14 Mar 2020 02:39

Instrument :

BNA_M

ClientSampleId :

C0AC8

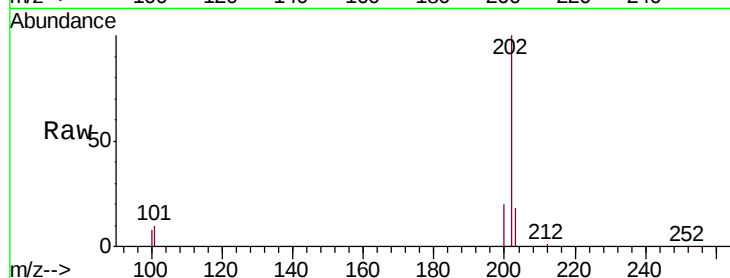
Tgt Ion:202 Resp: 571686

Ion Ratio Lower Upper

202 100

101 9.7 7.1 10.7

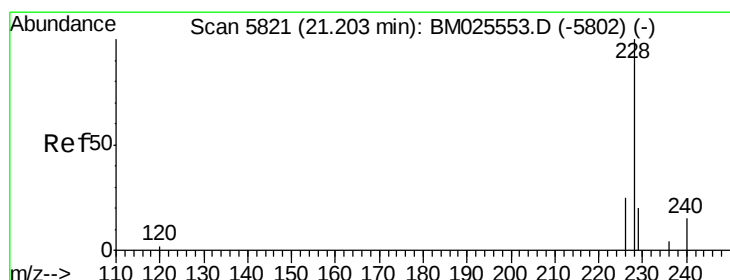
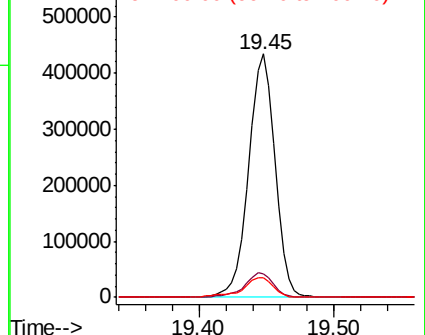
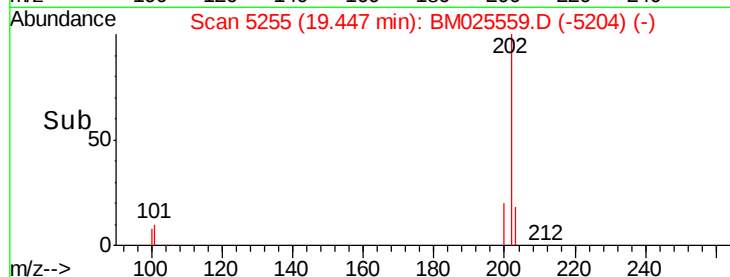
100 7.9 6.0 9.0



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: 5.505 ng/ul

RT: 21.20 min Scan# 5818

Delta R.T. -0.01 min

Lab File: BM025559.D

Acq: 14 Mar 2020 02:39

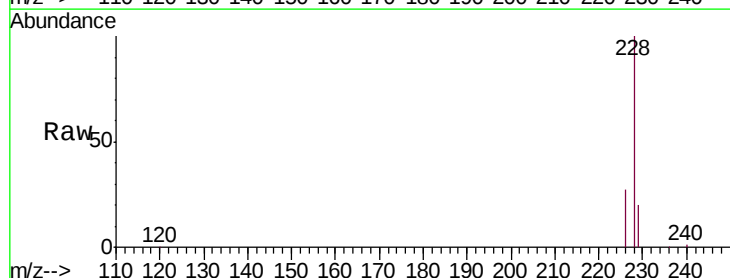
Tgt Ion:228 Resp: 290113

Ion Ratio Lower Upper

228 100

229 20.1 15.6 23.4

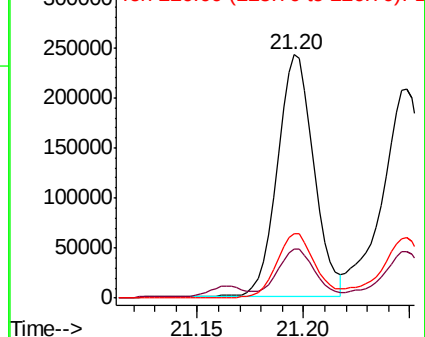
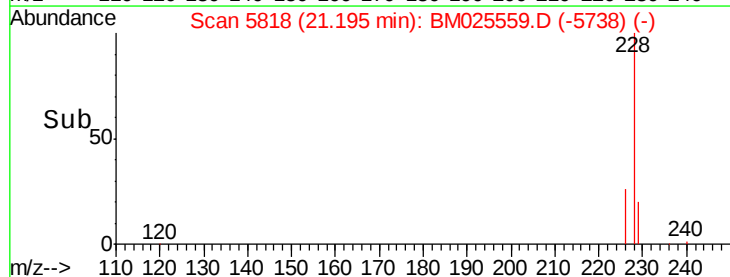
226 26.6 21.1 31.7

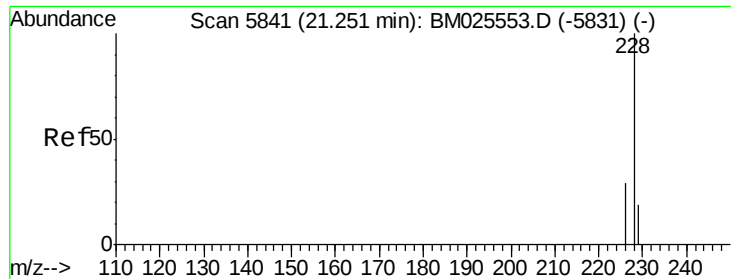


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 4.846 ng/ul

RT: 21.25 min Scan# 5840

Delta R.T. -0.00 min

Lab File: BM025559.D

Acq: 14 Mar 2020 02:39

Instrument :

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ClientSampleId :

C0AC8

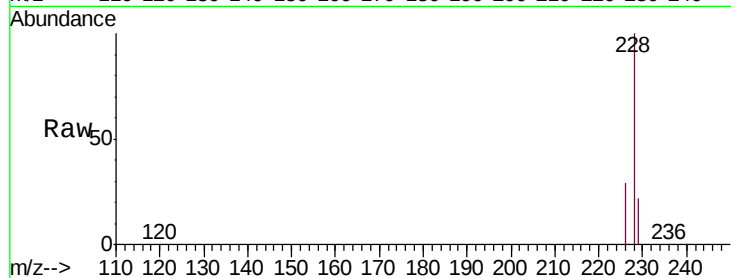
Tgt Ion:228 Resp: 286795

Ion Ratio Lower Upper

228 100

226 28.7 23.6 35.4

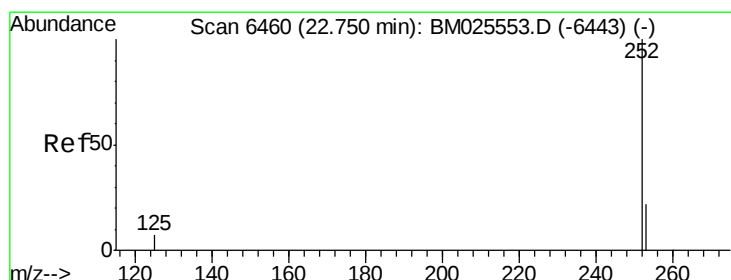
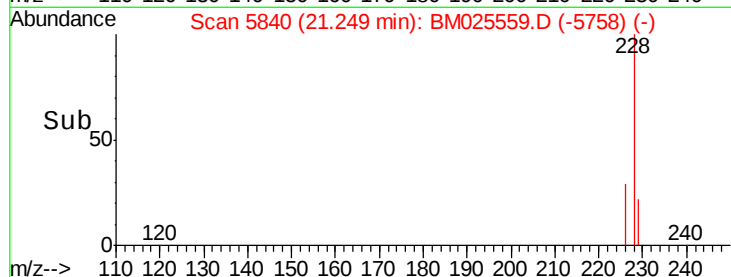
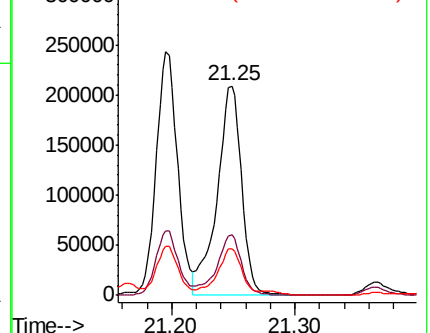
229 22.1 16.3 24.5



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: 6.826 ng/ul

RT: 22.74 min Scan# 6458

Delta R.T. -0.00 min

Lab File: BM025559.D

Acq: 14 Mar 2020 02:39

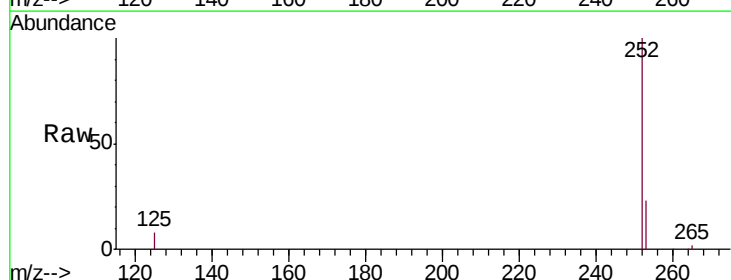
Tgt Ion:252 Resp: 387295

Ion Ratio Lower Upper

252 100

253 22.9 0.0 50.2

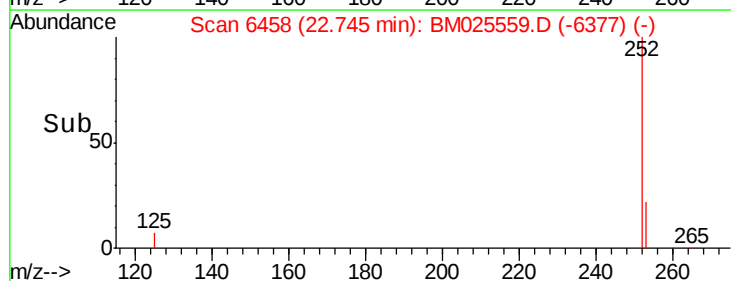
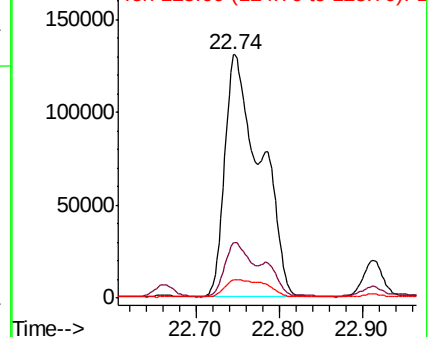
125 7.6 0.0 17.6

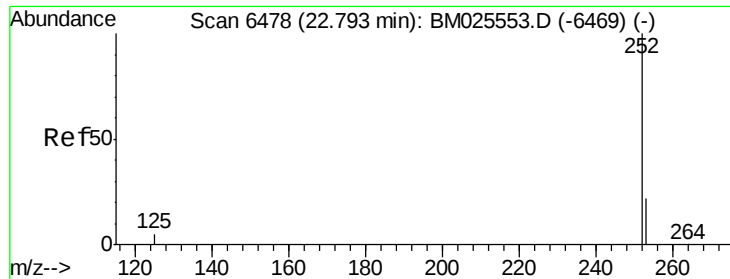


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 6.515 ng/ul

RT: 22.74 min Scan# 6458

Delta R.T. -0.05 min

Lab File: BM025559.D

Acq: 14 Mar 2020 02:39

Instrument :

BNA_M

ClientSampleId :

C0AC8

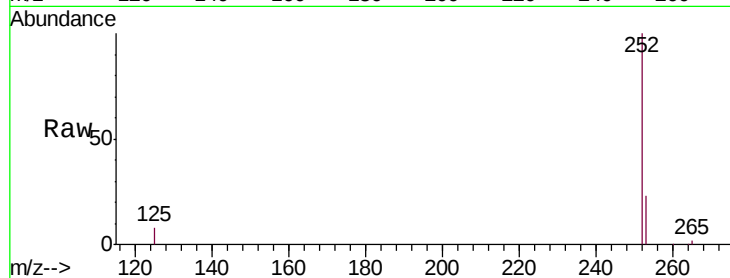
Tgt Ion:252 Resp: 387295

Ion Ratio Lower Upper

252 100

253 22.9 19.8 29.8

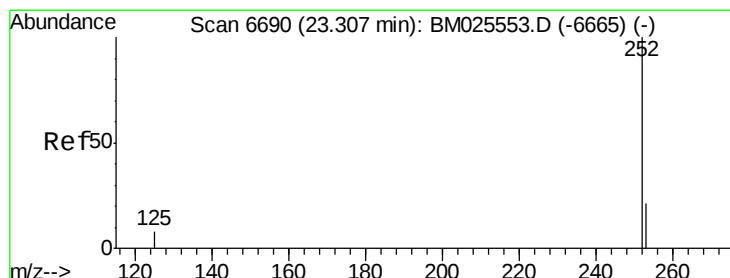
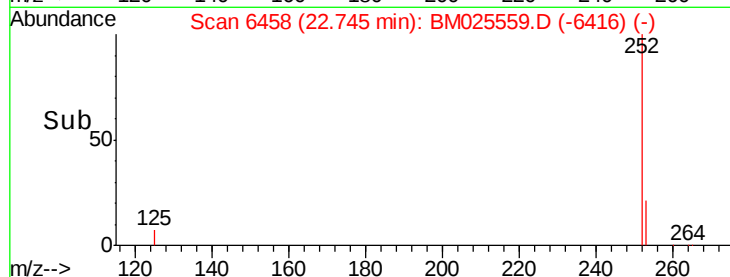
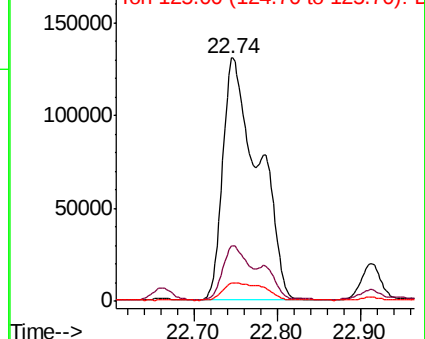
125 7.6 7.1 10.7



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



#23

Benzo(a)pyrene

Concen: 3.498 ng/ul

RT: 23.30 min Scan# 6687

Delta R.T. -0.01 min

Lab File: BM025559.D

Acq: 14 Mar 2020 02:39

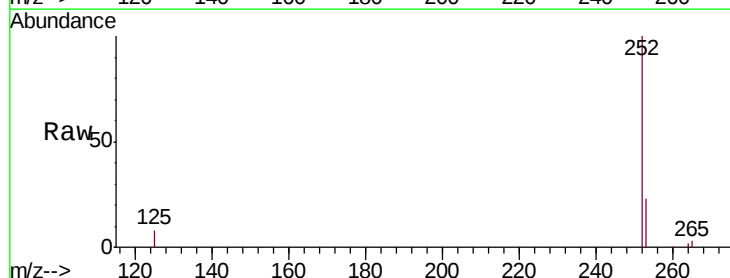
Tgt Ion:252 Resp: 164822

Ion Ratio Lower Upper

252 100

253 22.9 21.3 31.9

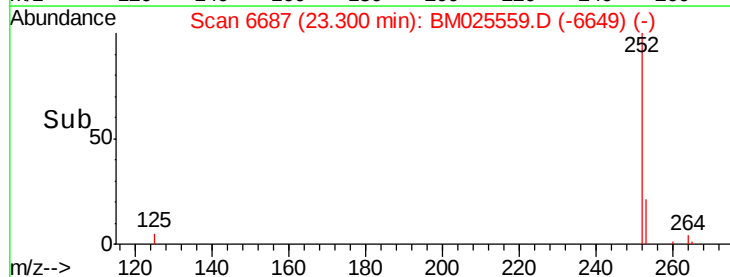
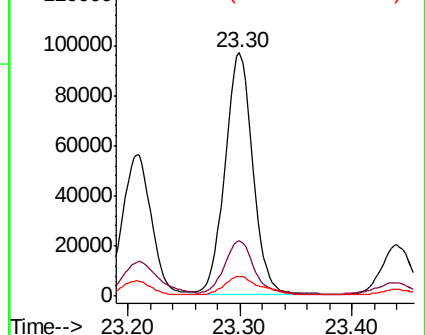
125 8.3 8.5 12.7#

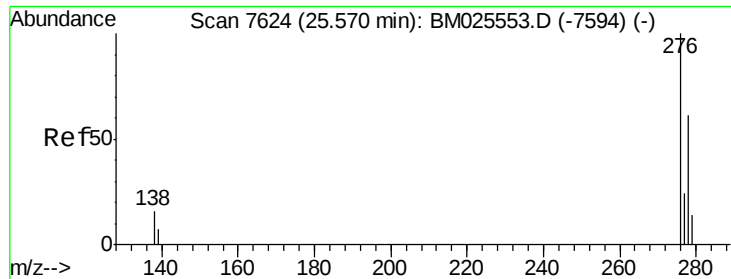


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

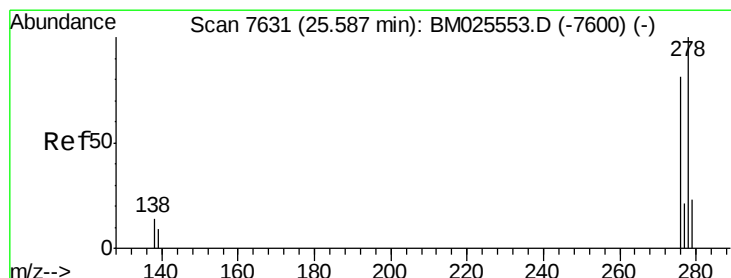
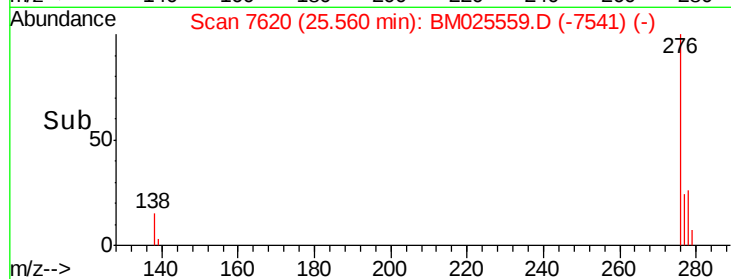
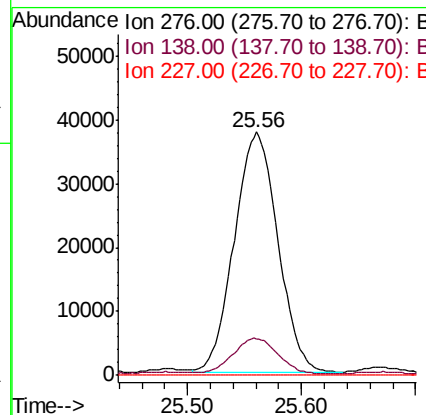
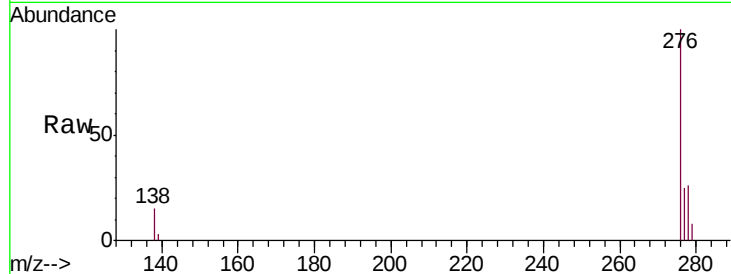




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.552 ng/u1
 RT: 25.56 min Scan# 7620
 Delta R.T. -0.01 min
 Lab File: BM025559.D
 Acq: 14 Mar 2020 02:39

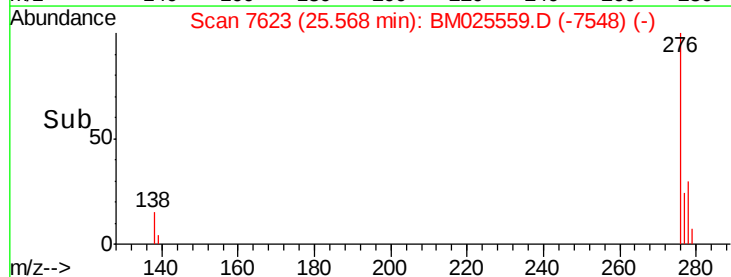
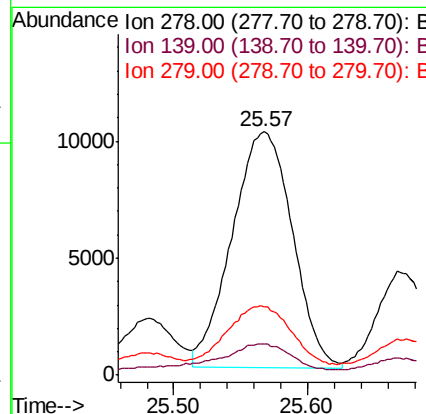
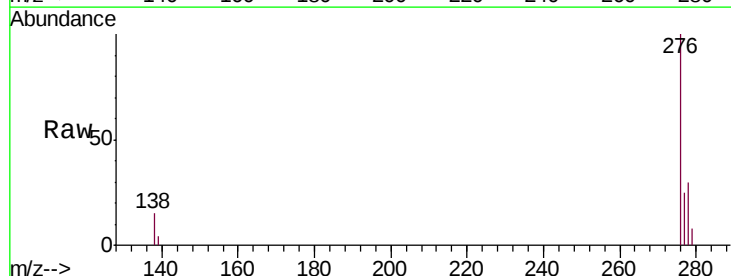
Instrument :
 BNA_M
 ClientSampleId :
 C0AC8

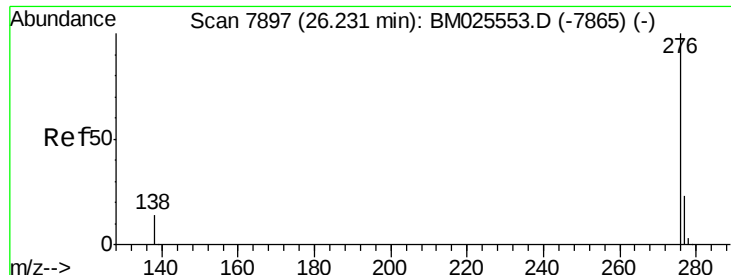
Tgt Ion:276 Resp: 99237
 Ion Ratio Lower Upper
 276 100
 138 15.5 12.3 18.5
 227 0.0 0.0 0.0



#25
 Dibenzo(a,h)anthracene
 Concen: 0.591 ng/u1
 RT: 25.57 min Scan# 7623
 Delta R.T. -0.02 min
 Lab File: BM025559.D
 Acq: 14 Mar 2020 02:39

Tgt Ion:278 Resp: 31765
 Ion Ratio Lower Upper
 278 100
 139 13.0 9.0 13.6
 279 28.2 21.1 31.7





#26

Benzo(g,h,i)perylene

Concen: 1.139 ng/ul

RT: 26.22 min Scan# 7892

Delta R.T. -0.01 min

Lab File: BM025559.D

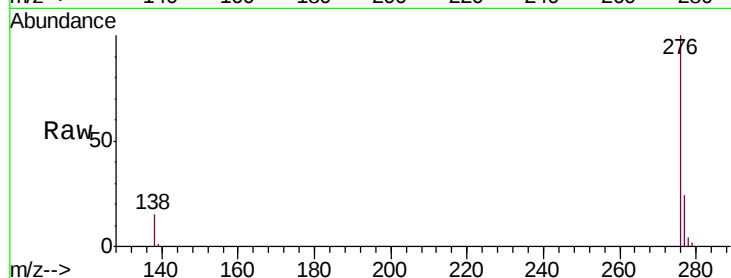
Acq: 14 Mar 2020 02:39

Instrument :

BNA_M

ClientSampleId :

C0AC8



Tgt Ion: 276 Resp: 63136

Ion Ratio Lower Upper

276 100

138 15.0 11.0 16.4

277 24.2 19.8 29.6

