

Data File : BM025562.D
Acq On : 14 Mar 2020 04:27
Operator : CG/JU
Sample : L1786-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC7

Quant Time: Mar 16 06:48:56 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	3375	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	15171	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	10300	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	21169	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	14330	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	14689	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	2552	0.09	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	5404	0.09	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.47	128	55237	1.230	ng/ul	98
5) 2-Methylnaphthalene	12.09	142	14421	0.449	ng/ul	99
7) Acenaphthylene	14.00	152	12376	0.294	ng/ul#	86
8) Acenaphthene	14.34	153	54612	1.480	ng/ul	98
9) Fluorene	15.33	166	81655	1.815	ng/ul	99
12) Phenanthrene	17.06	178	822028	12.253	ng/ul	99
13) Anthracene	17.15	178	219795	3.765	ng/ul	100
15) Fluoranthene	19.08	202	1096985	15.084	ng/ul	97
17) Pyrene	19.45	202	803038	12.485	ng/ul	98
18) Benzo(a)anthracene	21.20	228	464137	9.059	ng/ul	99
19) Chrysene	21.25	228	397943	6.917	ng/ul	97
21) Benzo(b)fluoranthene	22.75	252	665214	11.437	ng/ul	96
22) Benzo(k)fluoranthene	22.75	252	665214	10.915	ng/ul	96
23) Benzo(a)pyrene	23.30	252	310399	6.426	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.56	276	194666	2.971	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.57	278	61727	1.120	ng/ul	98
26) Benzo(g,h,i)perylene	26.22	276	127095	2.236	ng/ul	98

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

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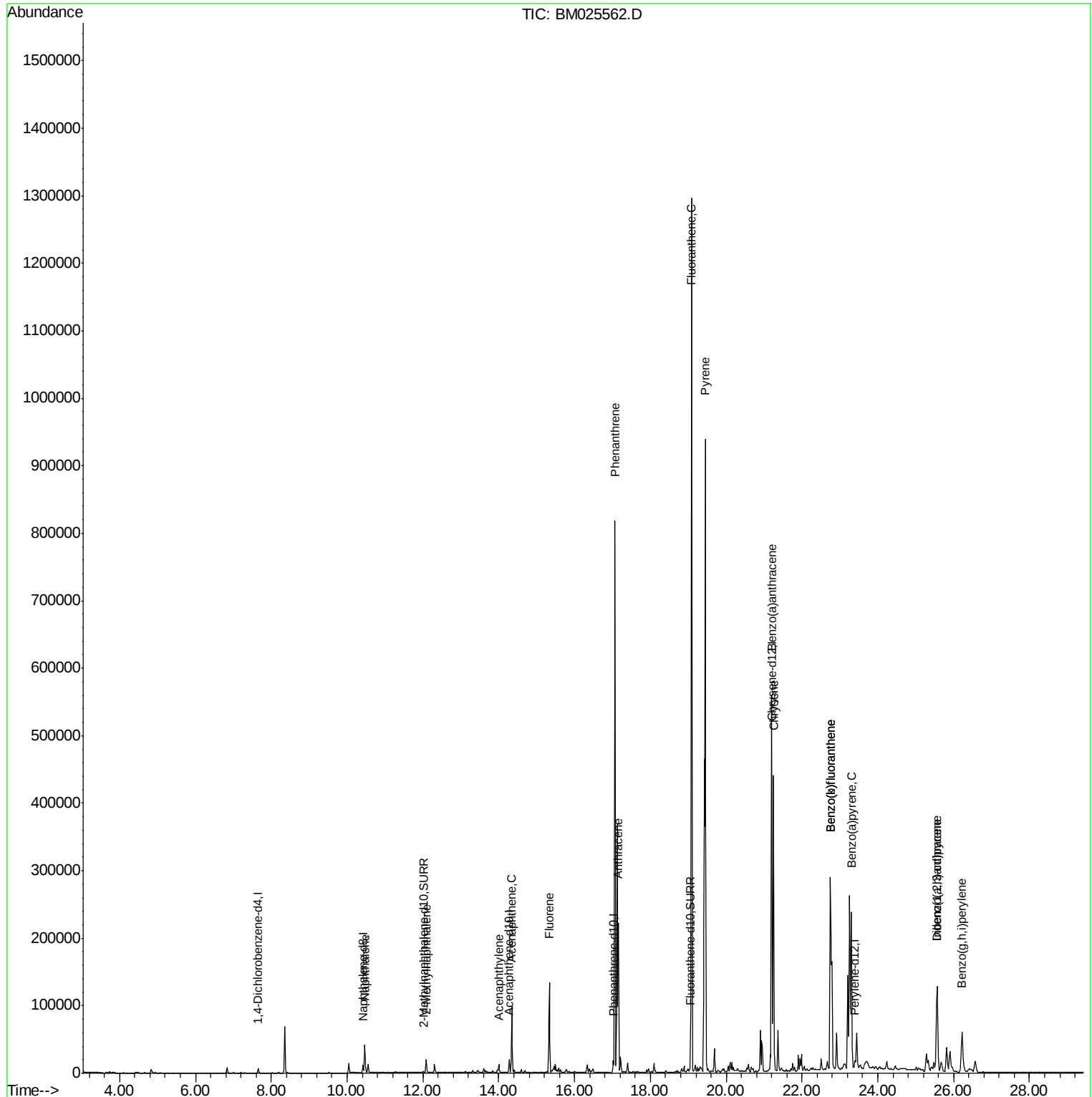
Quant Time: Mar 16 06:48:56 2020

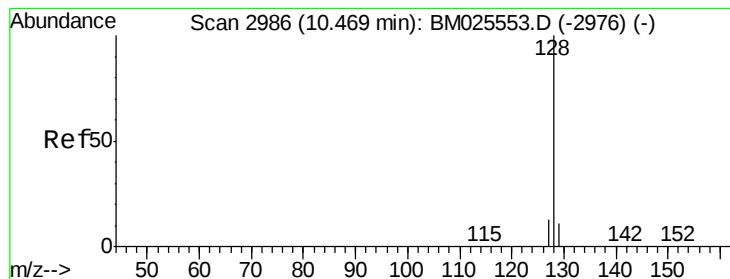
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030920.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Mar 16 06:44:28 2020

Response via : Initial Calibration





#3

Naphthalene

Concen: 1.230 ng/ul

RT: 10.47 min Scan# 2985

Delta R.T. -0.00 min

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Acq: 14 Mar 2020 04:27

Instrument :

BNA_M

ClientSampleId :

C0AC7

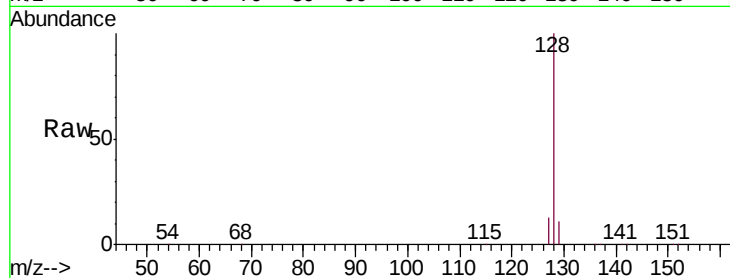
Tgt Ion:128 Resp: 55237

Ion Ratio Lower Upper

128 100

129 11.0 9.4 14.0

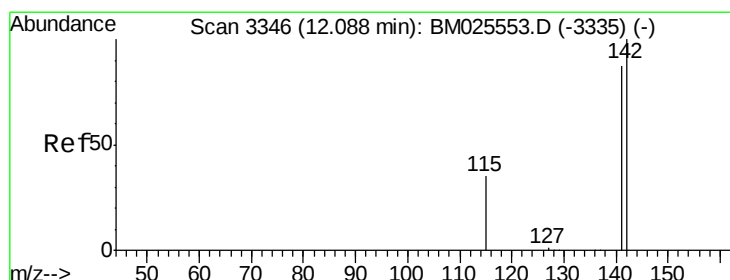
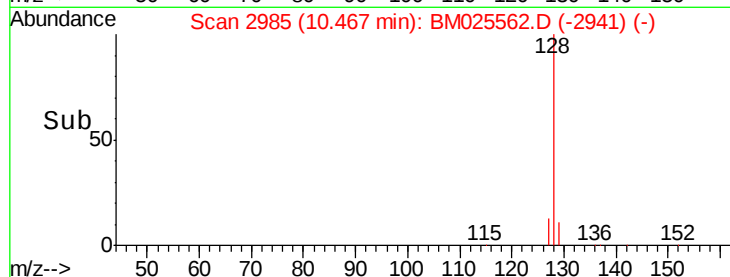
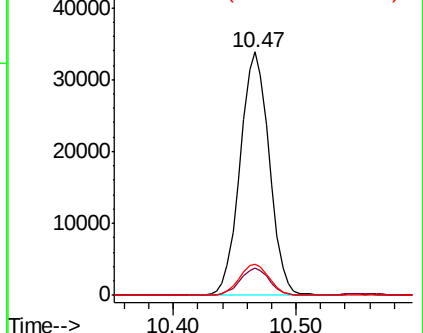
127 12.6 10.9 16.3



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: 0.449 ng/ul

RT: 12.09 min Scan# 3345

Delta R.T. -0.00 min

Lab File: BM025562.D

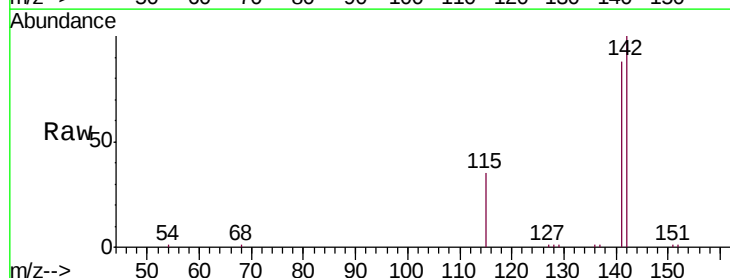
Acq: 14 Mar 2020 04:27

Tgt Ion:142 Resp: 14421

Ion Ratio Lower Upper

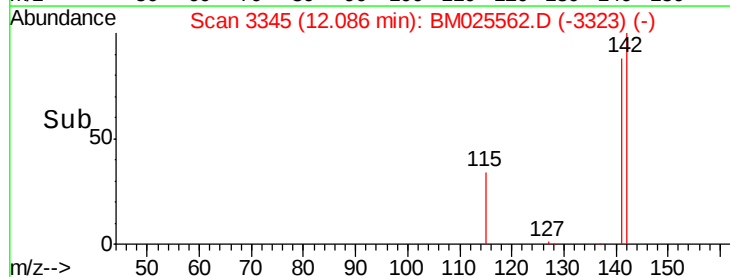
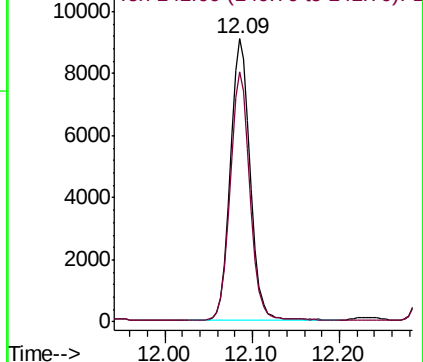
142 100

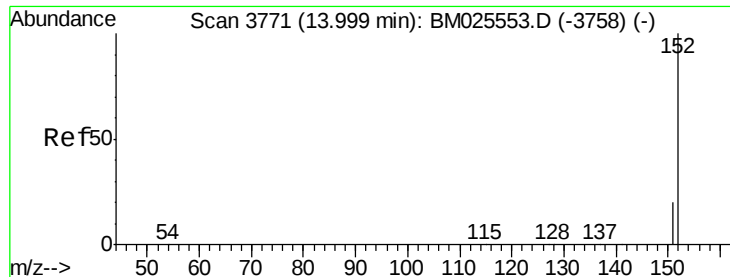
141 88.2 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.294 ng/ul

RT: 14.00 min Scan# 3770

Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Instrument :

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ClientSampleId :

C0AC7

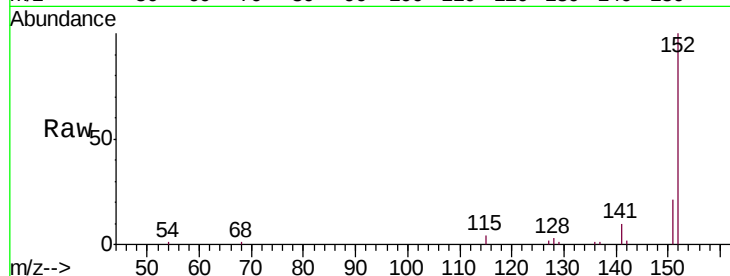
Tgt Ion:152 Resp: 12376

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.2

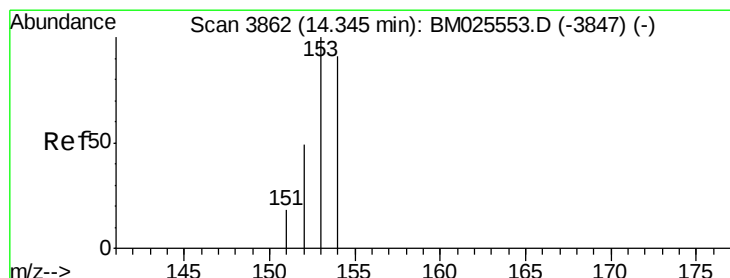
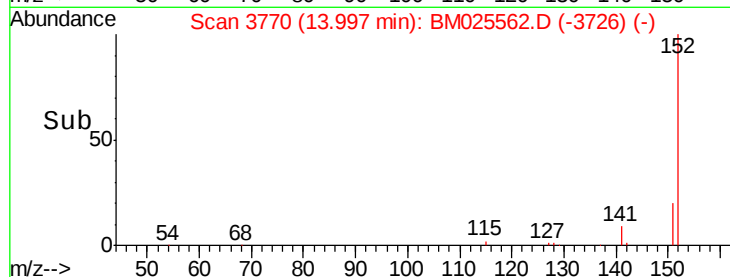
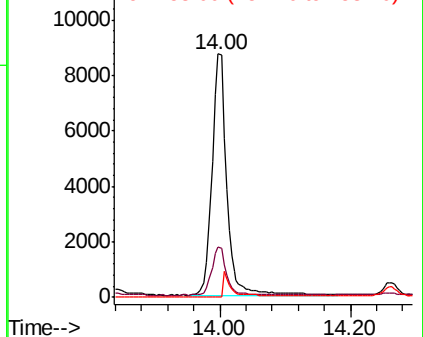
153 0.0 10.6 16.0#



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: 1.480 ng/ul

RT: 14.34 min Scan# 3861

Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

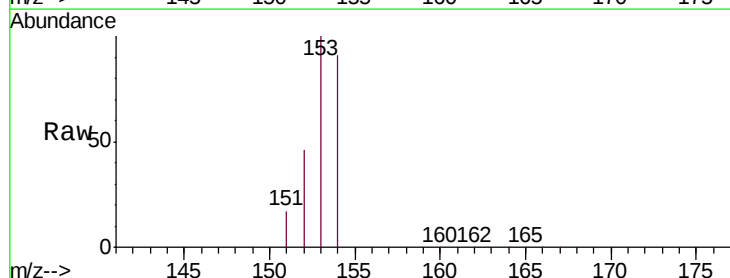
Tgt Ion:153 Resp: 54612

Ion Ratio Lower Upper

153 100

152 46.4 39.5 59.3

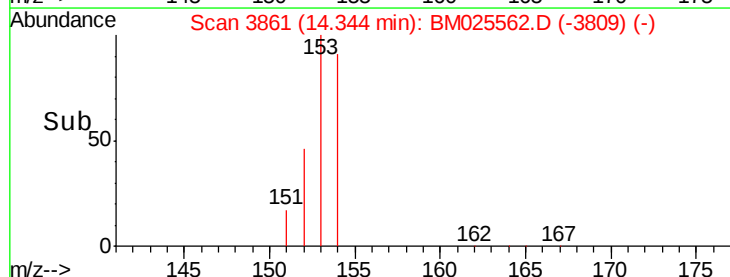
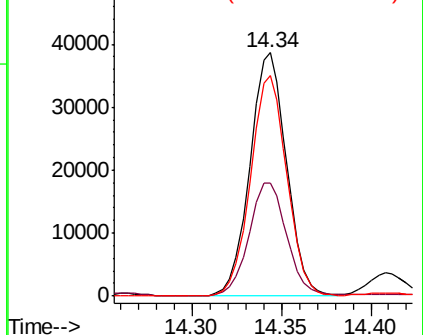
154 90.6 71.7 107.5

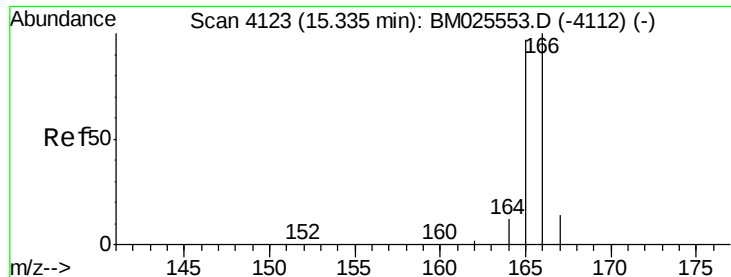


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.815 ng/ul

RT: 15.33 min Scan# 4122

Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Instrument :

BNA_M

ClientSampleId :

C0AC7

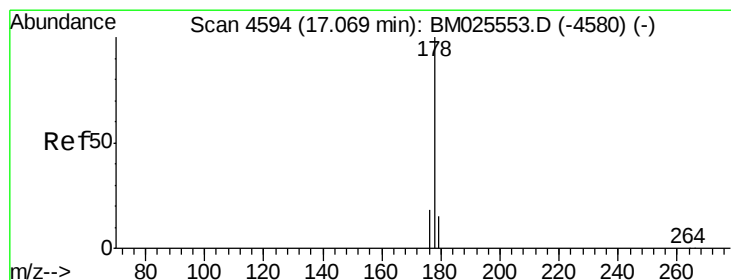
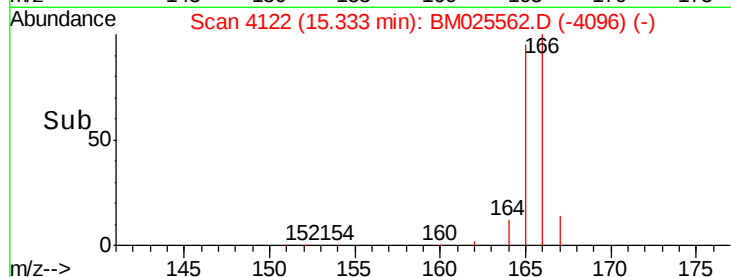
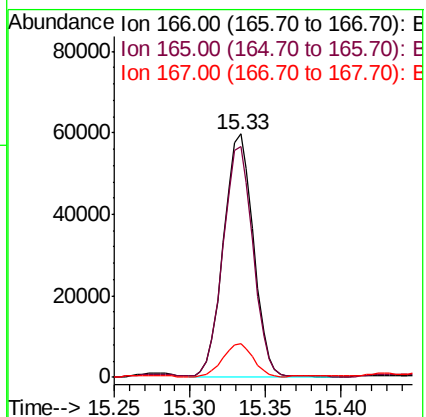
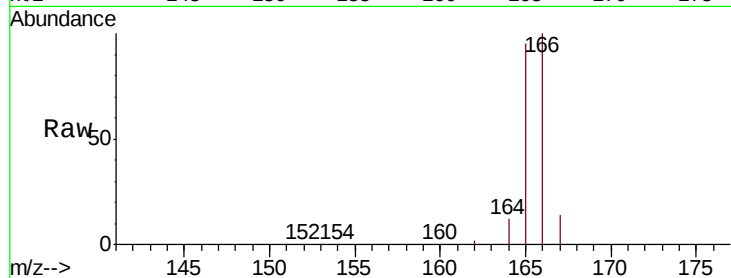
Tgt Ion:166 Resp: 81655

Ion Ratio Lower Upper

166 100

165 95.0 76.8 115.2

167 13.9 11.2 16.8



#12

Phenanthrene

Concen: 12.253 ng/ul

RT: 17.06 min Scan# 4592

Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

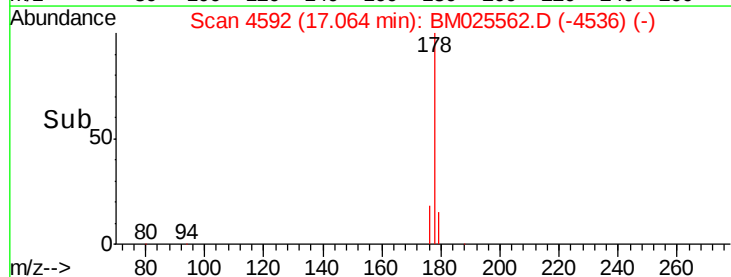
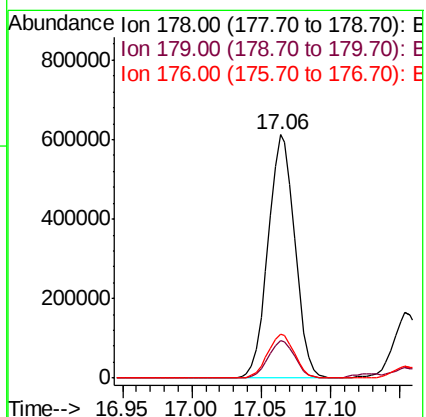
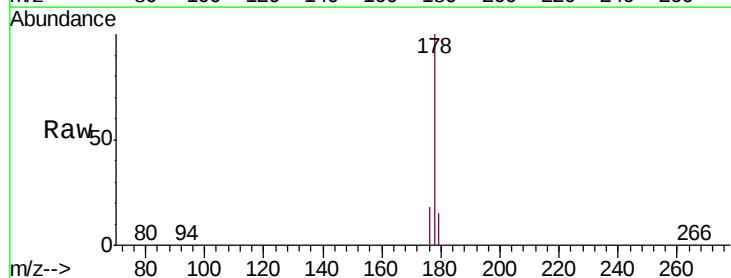
Tgt Ion:178 Resp: 822028

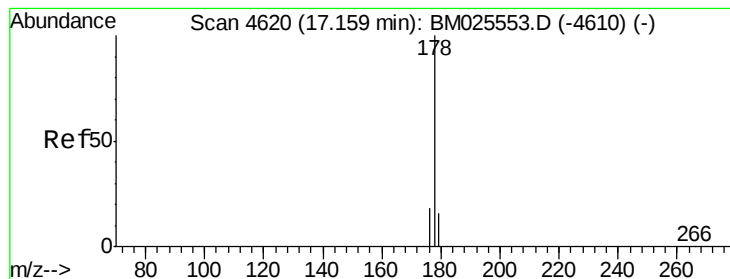
Ion Ratio Lower Upper

178 100

179 15.3 12.4 18.6

176 18.3 14.8 22.2





#13

Anthracene

Concen: 3.765 ng/ul

RT: 17.15 min Scan# 4618

Delta R.T. -0.01 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Instrument :

BNA_M

ClientSampleId :

C0AC7

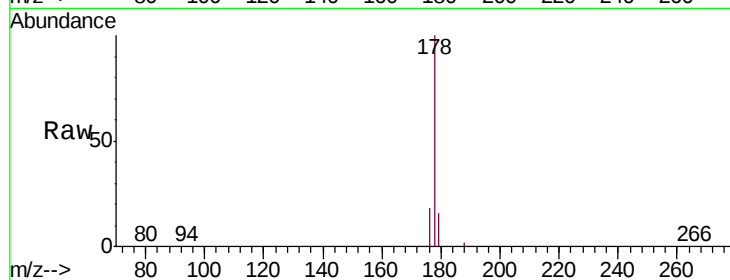
Tgt Ion:178 Resp: 219795

Ion Ratio Lower Upper

178 100

179 15.5 12.6 18.8

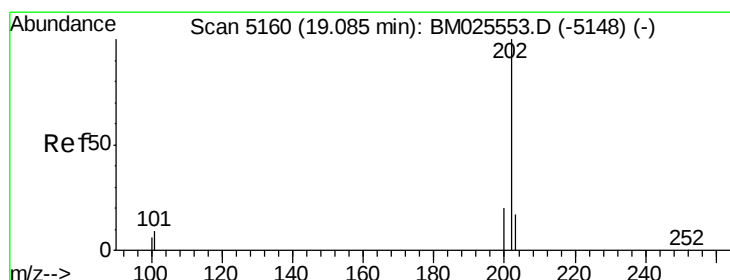
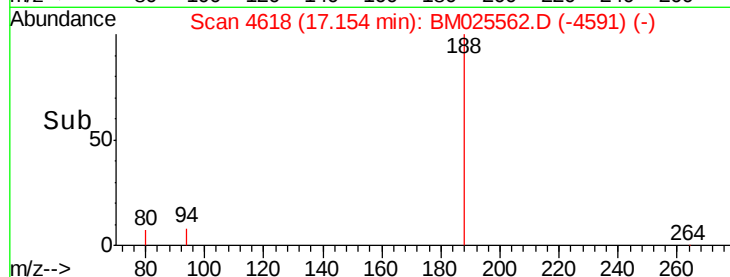
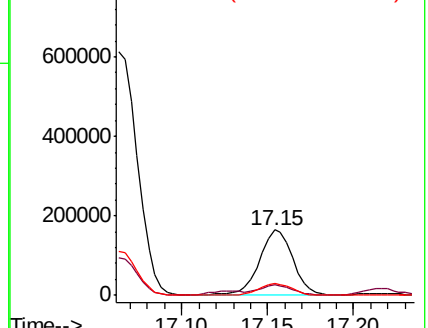
176 17.9 14.5 21.7



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: 15.084 ng/ul

RT: 19.08 min Scan# 5159

Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

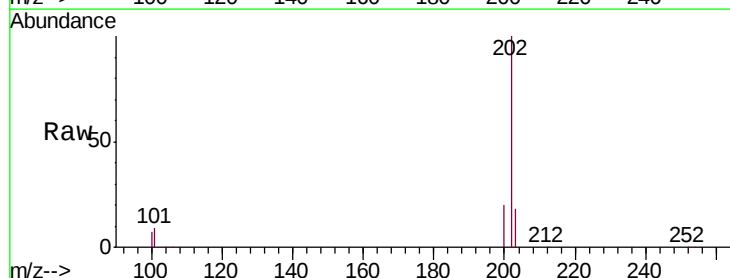
Tgt Ion:202 Resp: 1096985

Ion Ratio Lower Upper

202 100

101 8.7 0.0 27.5

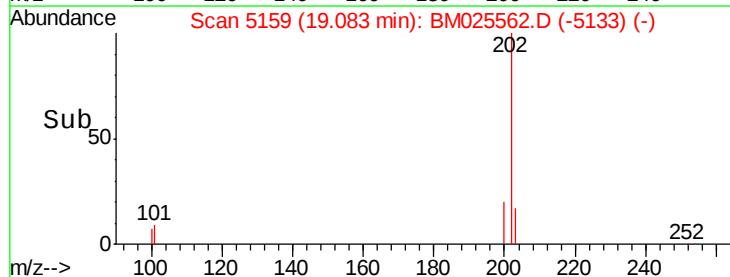
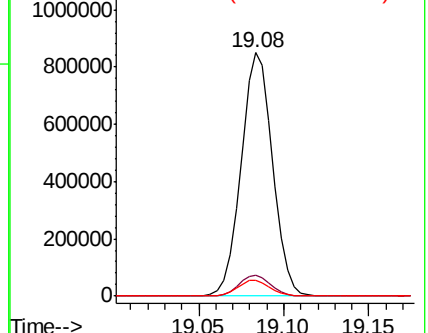
100 6.6 0.0 26.0

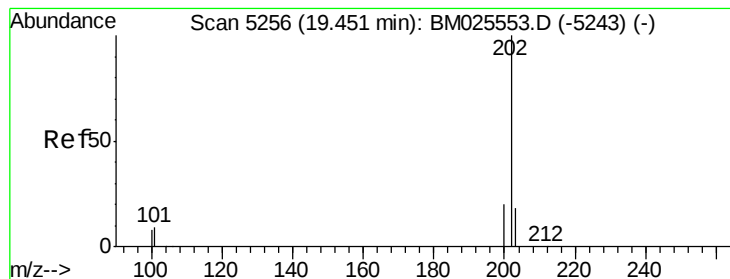


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pyrene

Concen: 12.485 ng/ul

RT: 19.45 min Scan# 5254

Delta R.T. -0.01 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Instrument :

BNA_M

ClientSampleId :

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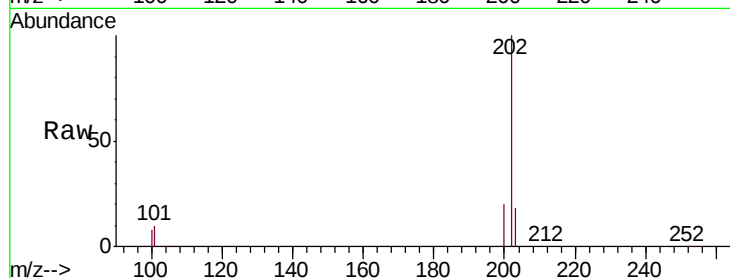
Tgt Ion:202 Resp: 803038

Ion Ratio Lower Upper

202 100

101 9.9 7.1 10.7

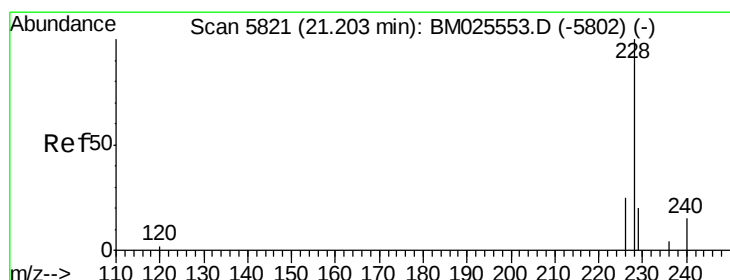
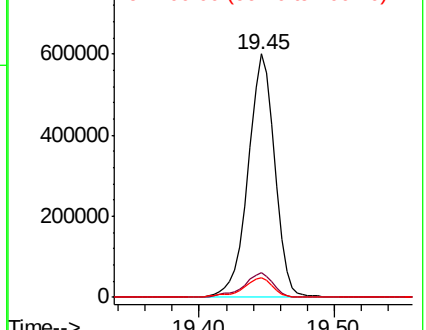
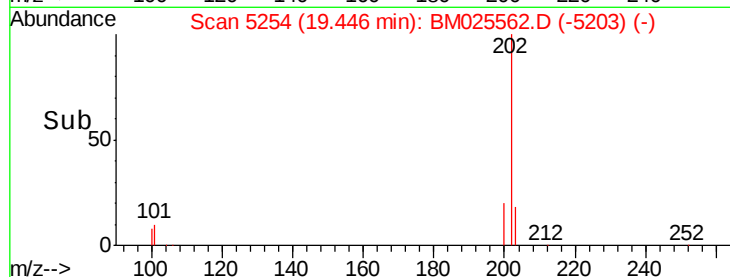
100 8.1 6.0 9.0



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: 9.059 ng/ul

RT: 21.20 min Scan# 5818

Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

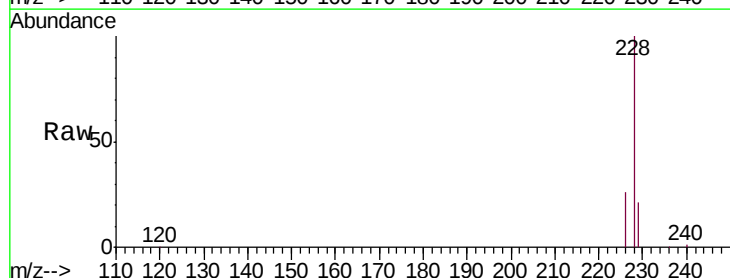
Tgt Ion:228 Resp: 464137

Ion Ratio Lower Upper

228 100

229 20.6 15.6 23.4

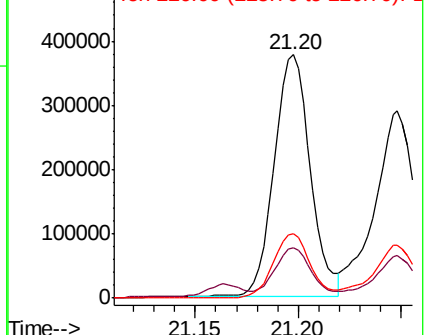
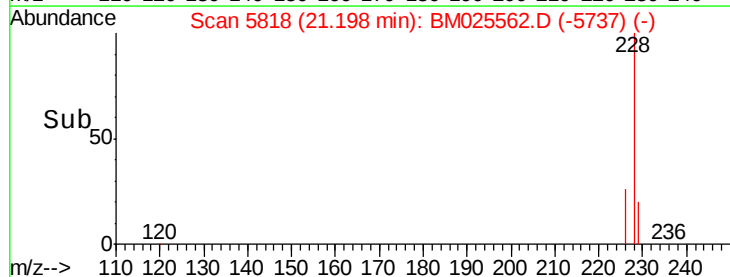
226 26.3 21.1 31.7

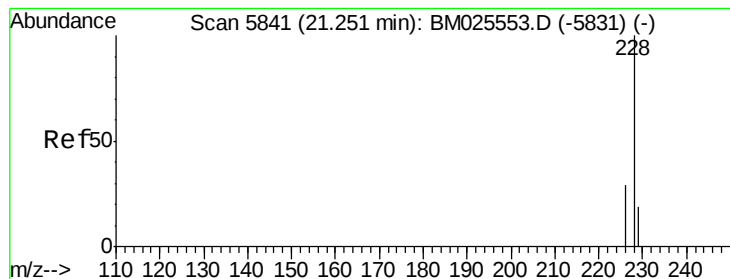


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 6.917 ng/ul

RT: 21.25 min Scan# 5839

Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Instrument :

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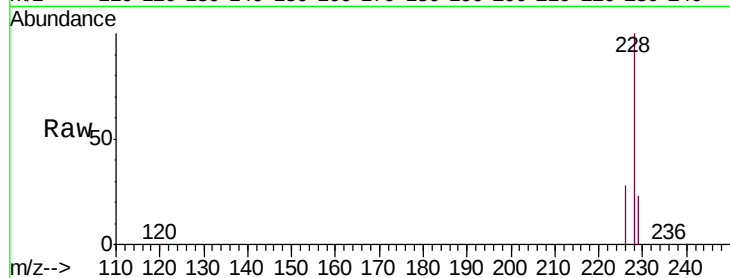
Tgt Ion:228 Resp: 397943

Ion Ratio Lower Upper

228 100

226 28.5 23.6 35.4

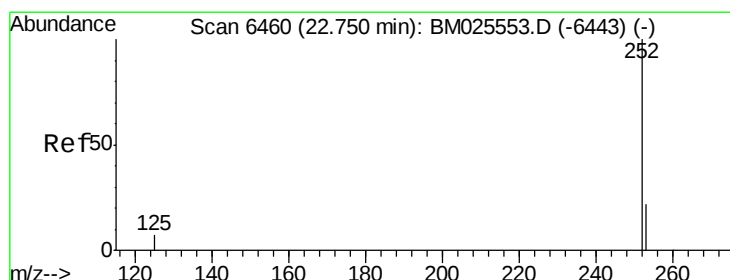
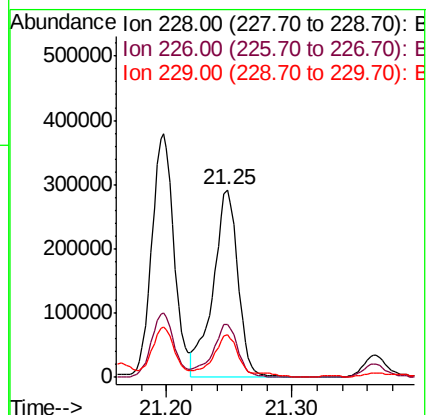
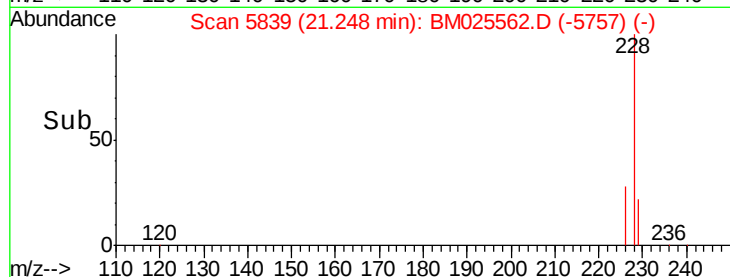
229 22.6 16.3 24.5



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: 11.437 ng/ul

RT: 22.75 min Scan# 6458

Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

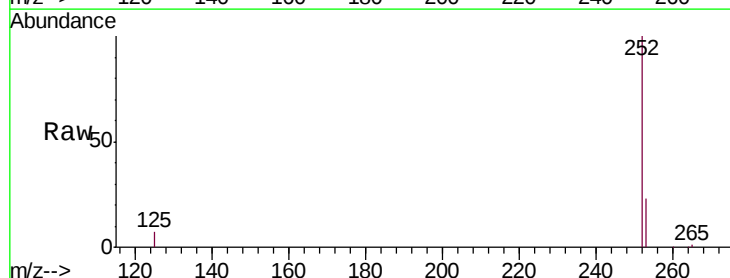
Tgt Ion:252 Resp: 665214

Ion Ratio Lower Upper

252 100

253 23.1 0.0 50.2

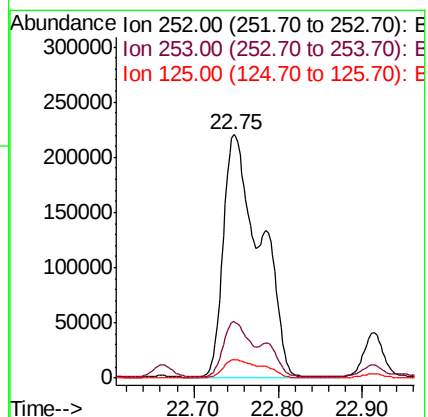
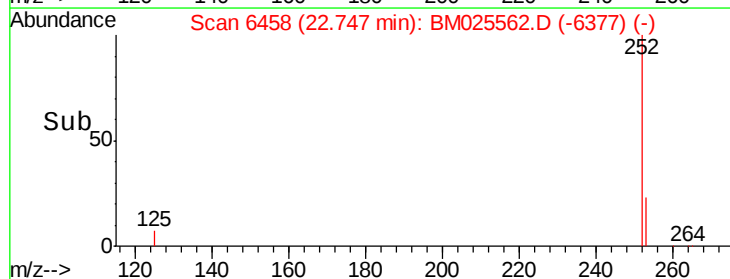
125 7.5 0.0 17.6

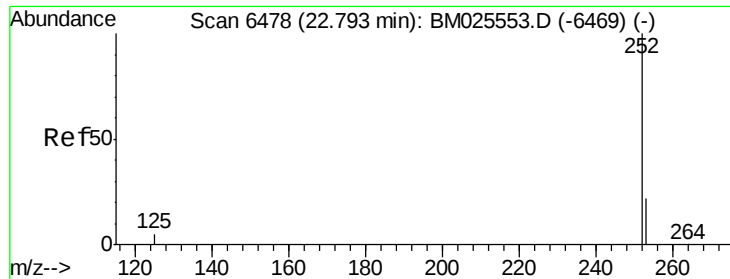


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 10.915 ng/ul

RT: 22.75 min Scan# 6458

Delta R.T. -0.05 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Instrument :

BNA_M

ClientSampleId :

C0AC7

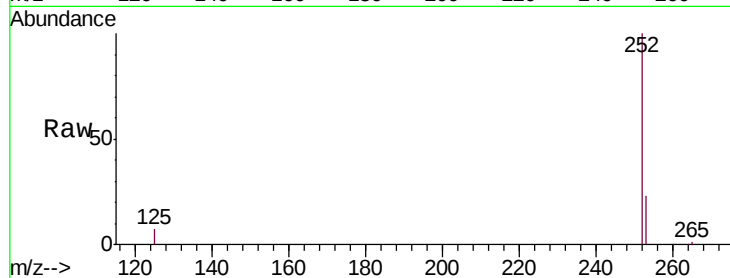
Tgt Ion:252 Resp: 665214

Ion Ratio Lower Upper

252 100

253 23.1 19.8 29.8

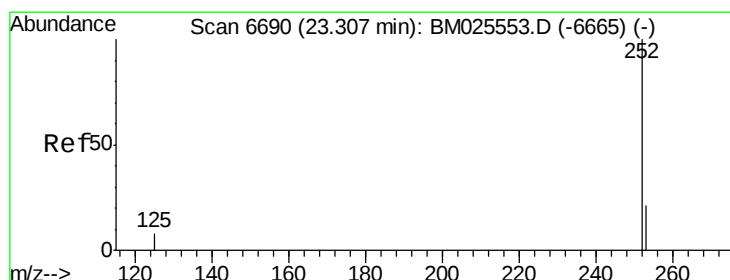
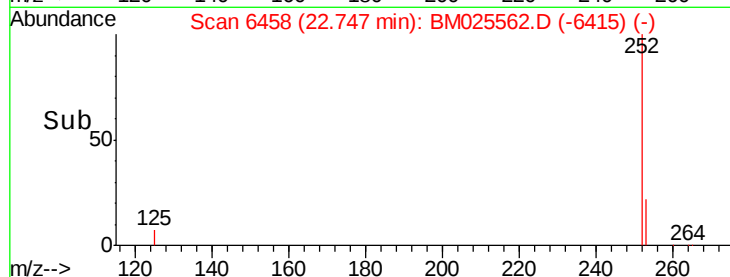
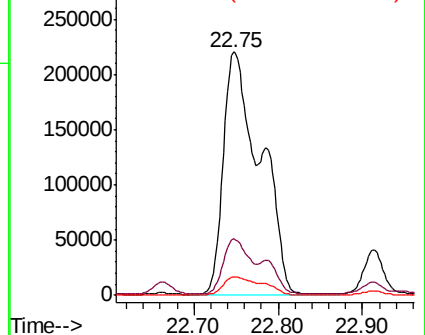
125 7.5 7.1 10.7



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: 6.426 ng/ul

RT: 23.30 min Scan# 6686

Delta R.T. -0.01 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

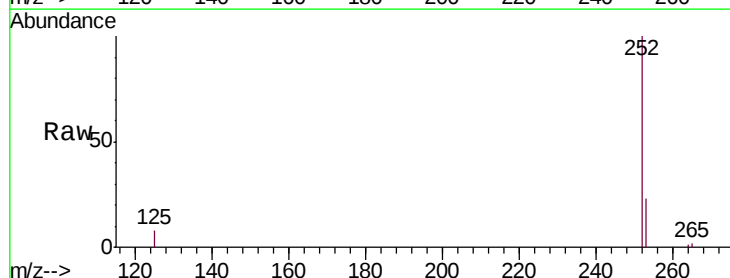
Tgt Ion:252 Resp: 310399

Ion Ratio Lower Upper

252 100

253 23.0 21.3 31.9

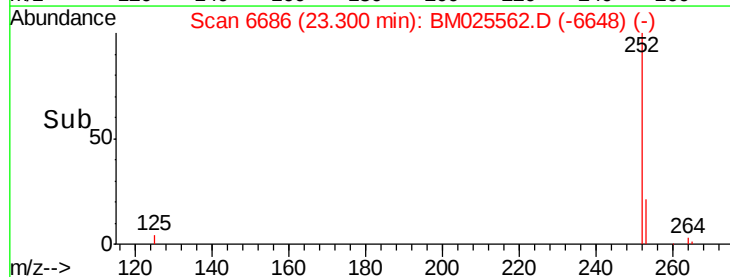
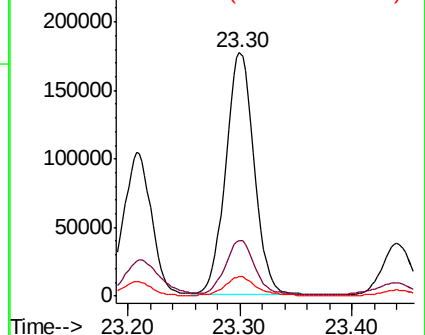
125 7.9 8.5 12.7#

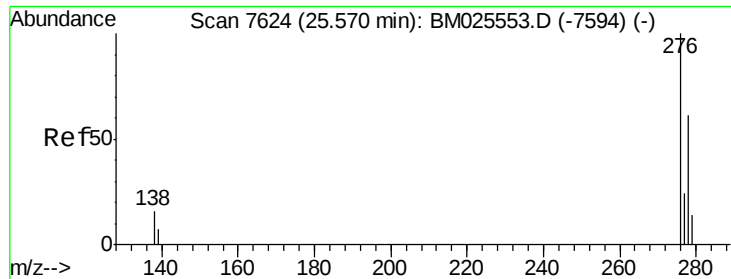


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

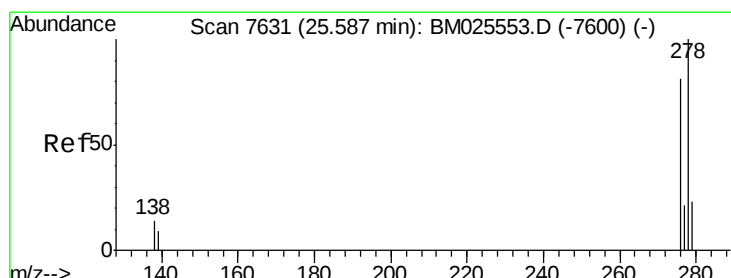
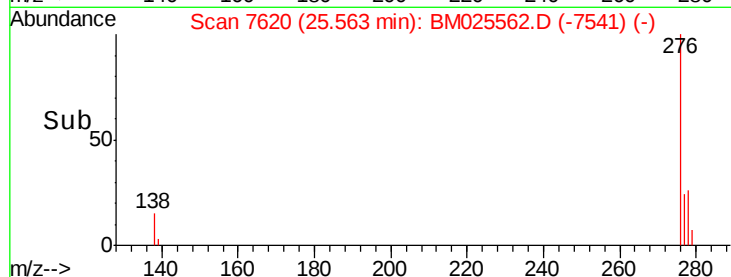
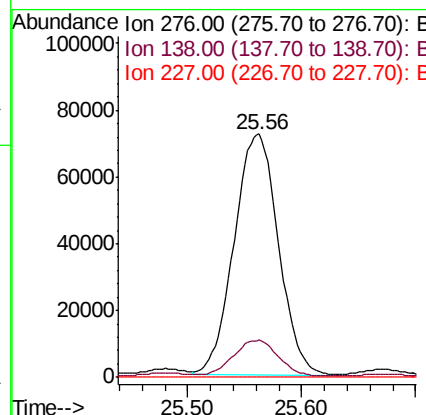
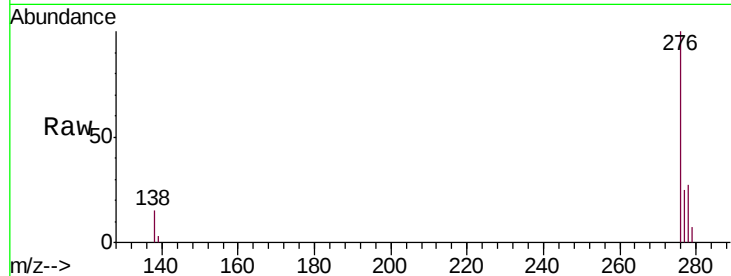




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 2.971 ng/ul
 RT: 25.56 min Scan# 7620
 Delta R.T. -0.01 min
 Lab File: BM025562.D
 Acq: 14 Mar 2020 04:27

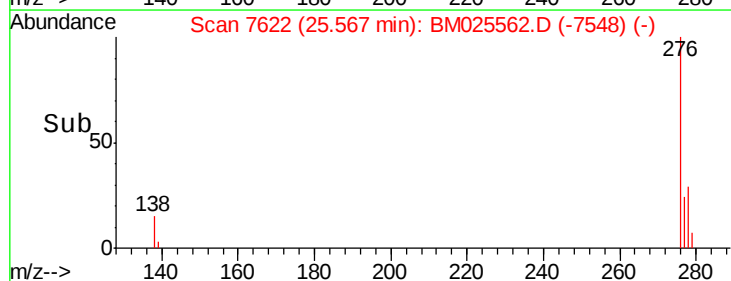
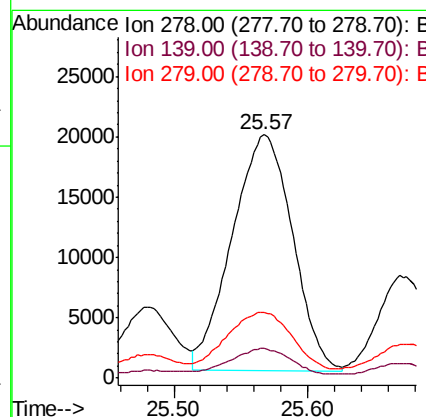
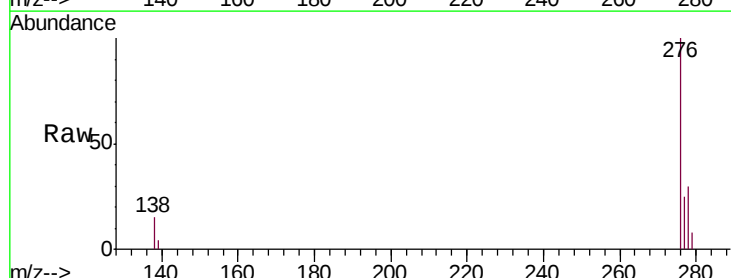
Instrument :
 BNA_M
 ClientSampleId :
 C0AC7

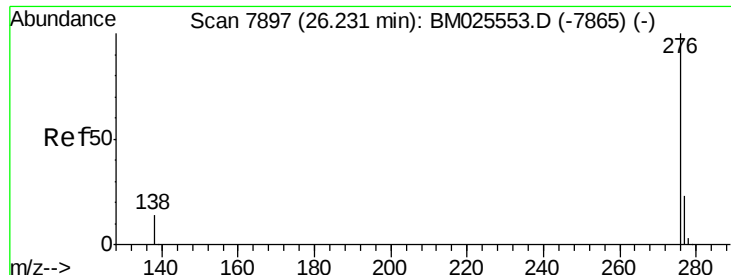
Tgt Ion:276 Resp: 194666
 Ion Ratio Lower Upper
 276 100
 138 15.3 12.3 18.5
 227 0.0 0.0 0.0



#25
 Dibenzo(a,h)anthracene
 Concen: 1.120 ng/ul
 RT: 25.57 min Scan# 7622
 Delta R.T. -0.02 min
 Lab File: BM025562.D
 Acq: 14 Mar 2020 04:27

Tgt Ion:278 Resp: 61727
 Ion Ratio Lower Upper
 278 100
 139 12.2 9.0 13.6
 279 27.2 21.1 31.7





#26

Benzo(g,h,i)perylene

Concen: 2.236 ng/ul

RT: 26.22 min Scan# 7892

Delta R.T. -0.01 min

Lab File: BM025562.D

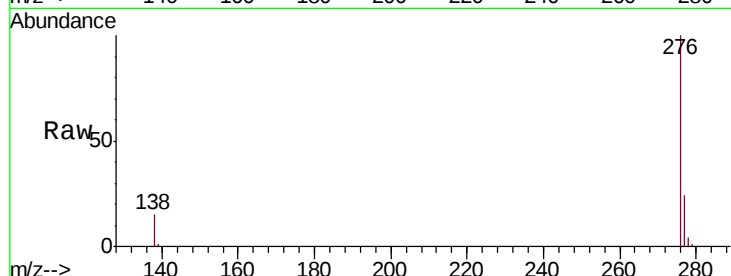
Acq: 14 Mar 2020 04:27

Instrument :

BNA_M

ClientSampleId :

C0AC7



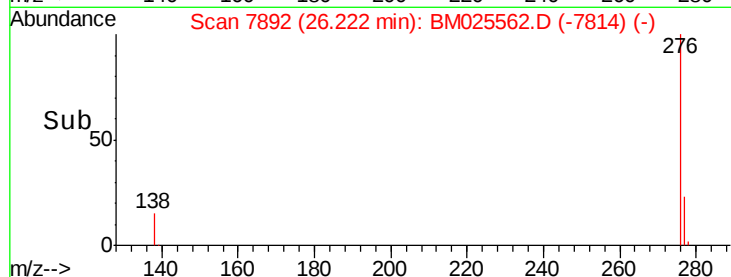
Tgt Ion: 276 Resp: 127095

Ion Ratio Lower Upper

276 100

138 15.1 11.0 16.4

277 24.5 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

