

Data File : BM025563.D
Acq On : 14 Mar 2020 05:02
Operator : CG/JU
Sample : L1786-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC1

Quant Time: Mar 16 06:49:12 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	3866	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	17308	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	12263	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.03
16) Chrysene-d12	21.21	240	17141	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	17904	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	8453	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	17142	0.00	ng/ul	0.00

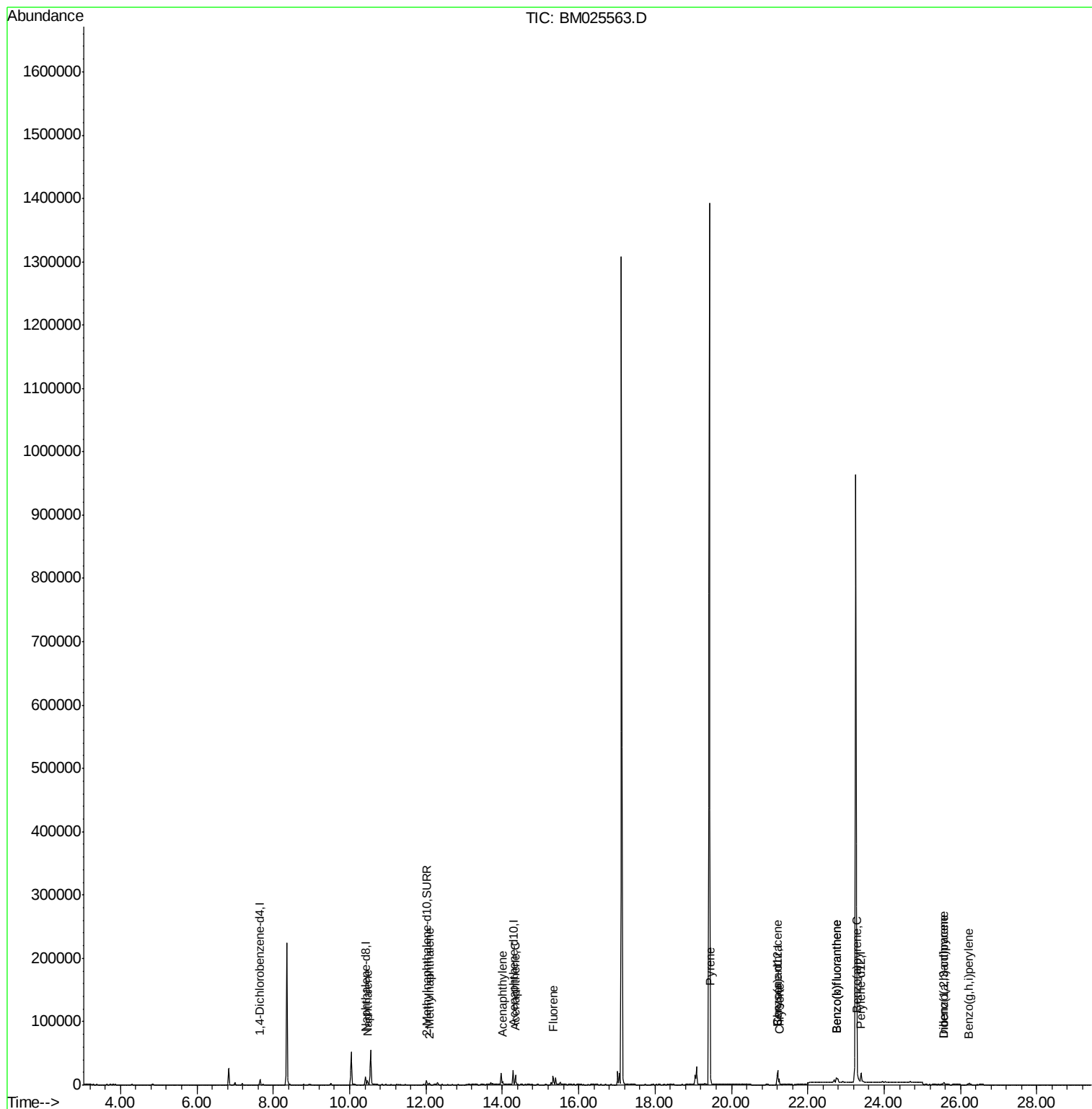
Target Compounds						Qvalue
3) Naphthalene	10.46	128	8652	0.169	ng/ul	100
5) 2-Methylnaphthalene	12.09	142	1540	0.042	ng/ul	99
7) Acenaphthylene	14.00	152	1598	0.032	ng/ul#	82
8) Acenaphthene	14.34	153	8717	0.198	ng/ul	100
9) Fluorene	15.33	166	8804	0.164	ng/ul	99
17) Pyrene	19.45	202	21544	0.280	ng/ul	97
18) Benzo(a)anthracene	21.20	228	9979	0.163	ng/ul	94
19) Chrysene	21.25	228	9085	0.132	ng/ul	97
21) Benzo(b)fluoranthene	22.75	252	16725	0.236	ng/ul	89
22) Benzo(k)fluoranthene	22.75	252	16725	0.225	ng/ul#	89
23) Benzo(a)pyrene	23.30	252	8245	0.140	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.56	276	5226	0.065	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.57	278	1620	0.024	ng/ul#	46
26) Benzo(g,h,i)perylene	26.22	276	4578	0.066	ng/ul#	88

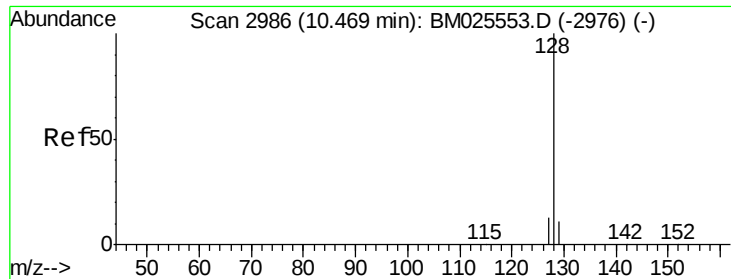
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.169 ng/ul

RT: 10.46 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BM025563.D

Acq: 14 Mar 2020 05:02

Instrument :

BNA_M

ClientSampleId :

C0AC1

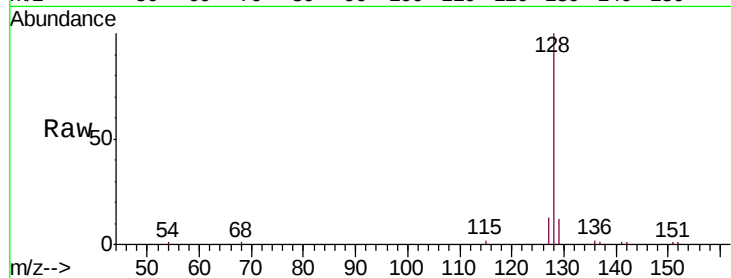
Tgt Ion:128 Resp: 8652

Ion Ratio Lower Upper

128 100

129 11.7 9.4 14.0

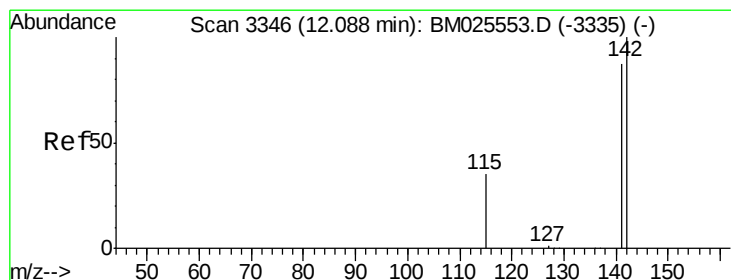
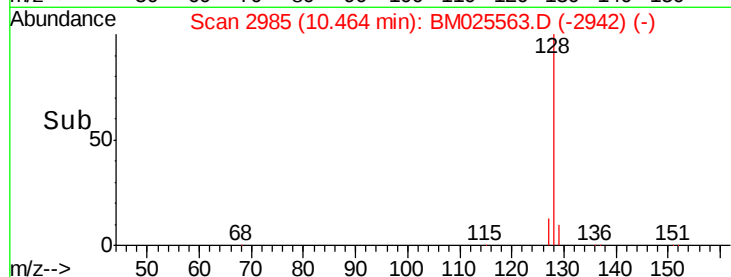
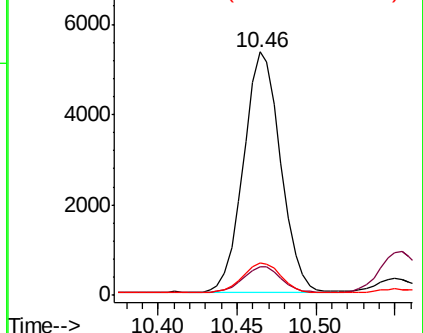
127 13.5 10.9 16.3



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: 0.042 ng/ul

RT: 12.09 min Scan# 3346

Delta R.T. 0.00 min

Lab File: BM025563.D

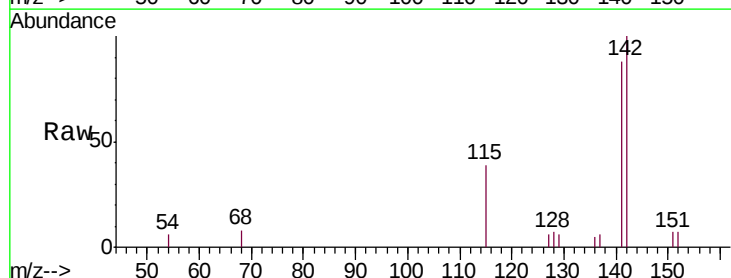
Acq: 14 Mar 2020 05:02

Tgt Ion:142 Resp: 1540

Ion Ratio Lower Upper

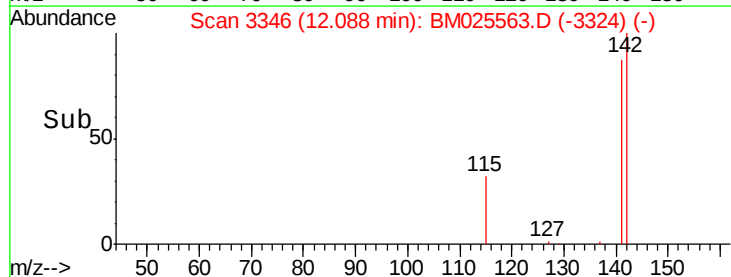
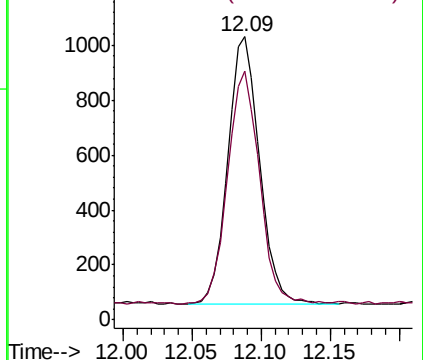
142 100

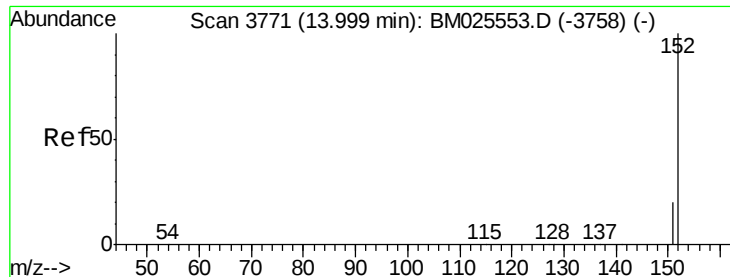
141 87.7 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.032 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. 0.00 min

Lab File: BM025563.D

Acq: 14 Mar 2020 05:02

Instrument :

BNA_M

ClientSampleId :

C0AC1

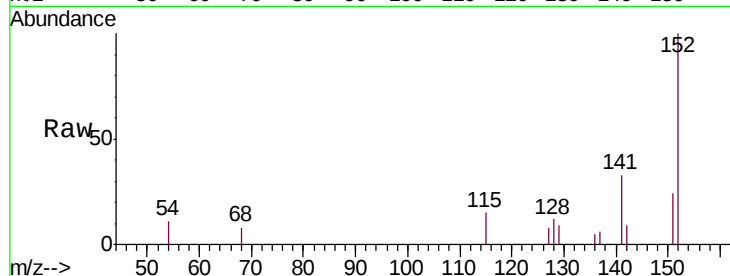
Tgt Ion:152 Resp: 1598

Ion Ratio Lower Upper

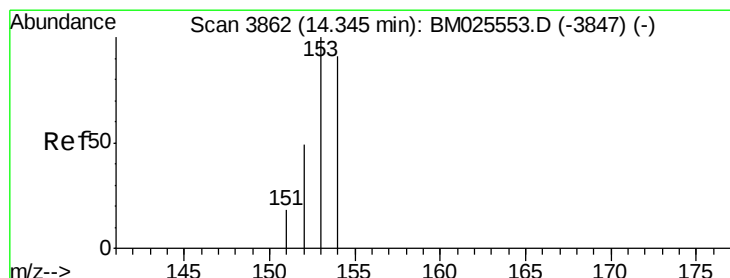
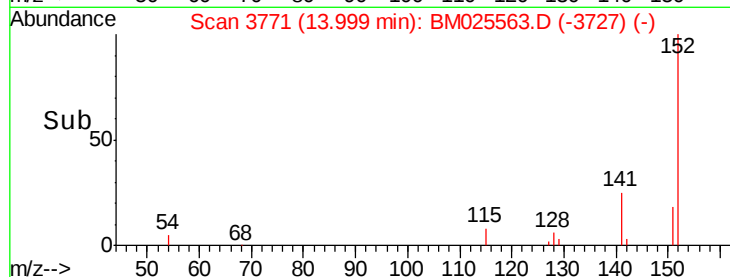
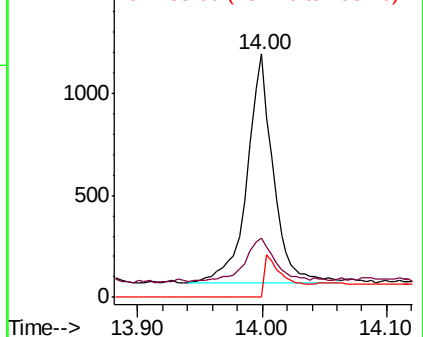
152 100

151 24.1 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: 0.198 ng/ul

RT: 14.34 min Scan# 3861

Delta R.T. -0.00 min

Lab File: BM025563.D

Acq: 14 Mar 2020 05:02

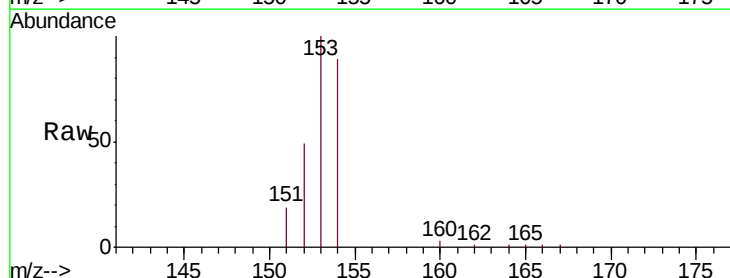
Tgt Ion:153 Resp: 8717

Ion Ratio Lower Upper

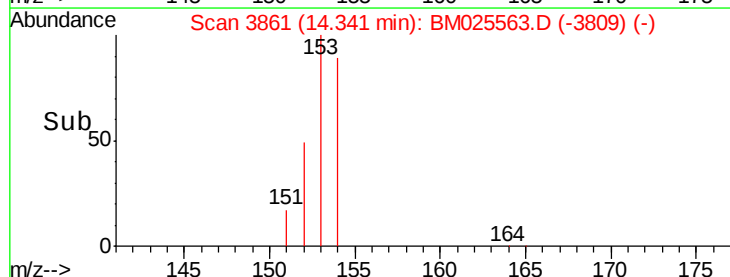
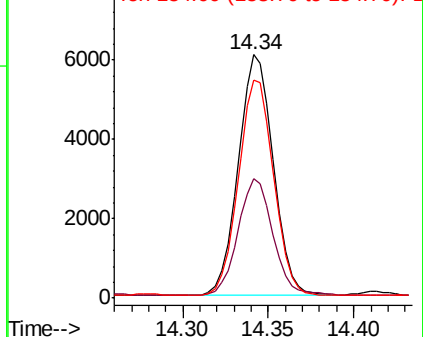
153 100

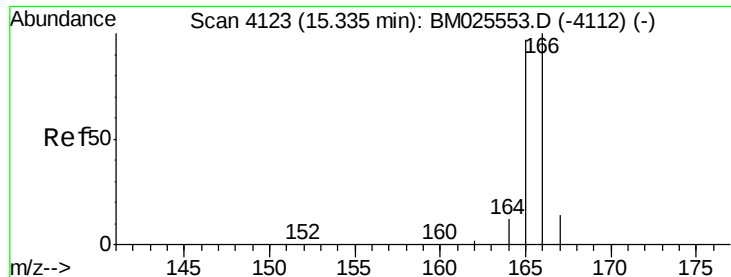
152 49.2 39.5 59.3

154 89.4 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: 0.164 ng/ul

RT: 15.33 min Scan# 4123

Delta R.T. 0.00 min

Lab File: BM025563.D

Acq: 14 Mar 2020 05:02

Instrument :

BNA_M

ClientSampleId :

C0AC1

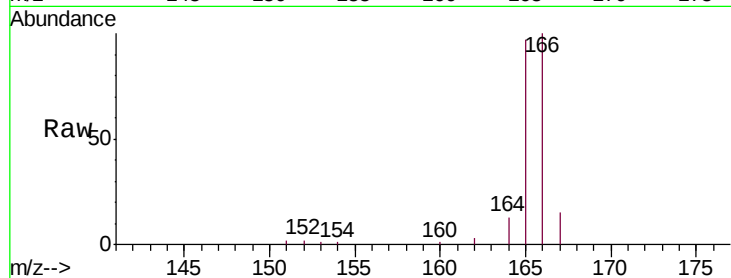
Tgt Ion:166 Resp: 8804

Ion Ratio Lower Upper

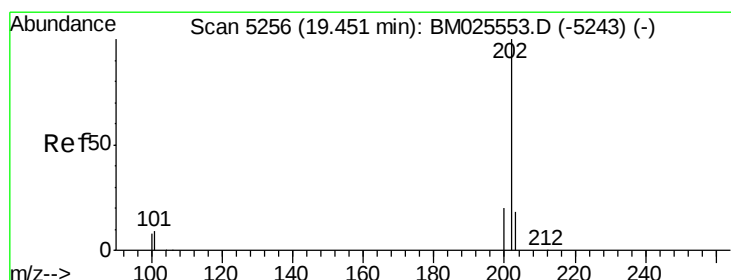
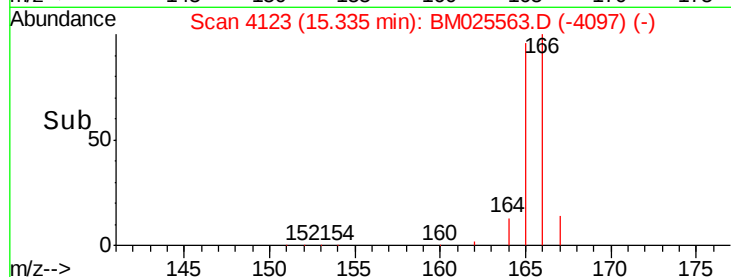
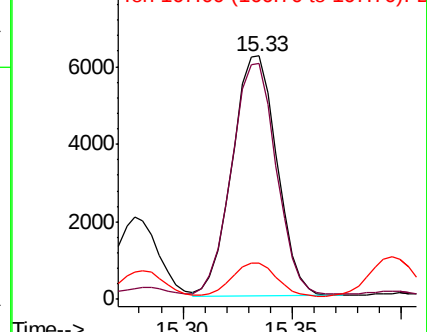
166 100

165 96.8 76.8 115.2

167 15.0 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



#17

Pyrene

Concen: 0.280 ng/ul

RT: 19.45 min Scan# 5255

Delta R.T. -0.00 min

Lab File: BM025563.D

Acq: 14 Mar 2020 05:02

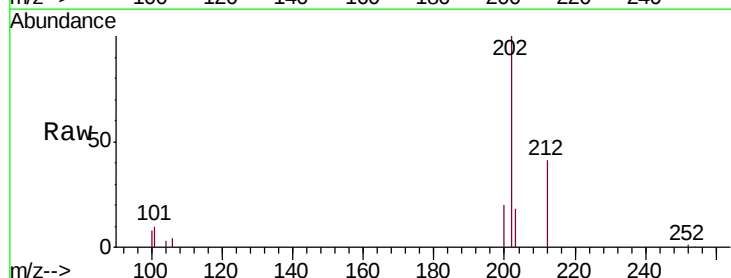
Tgt Ion:202 Resp: 21544

Ion Ratio Lower Upper

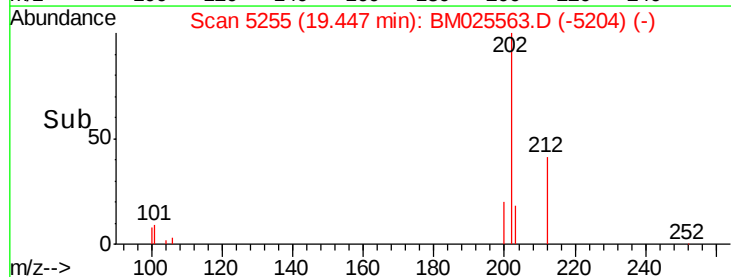
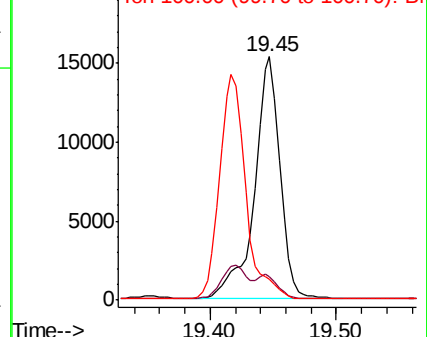
202 100

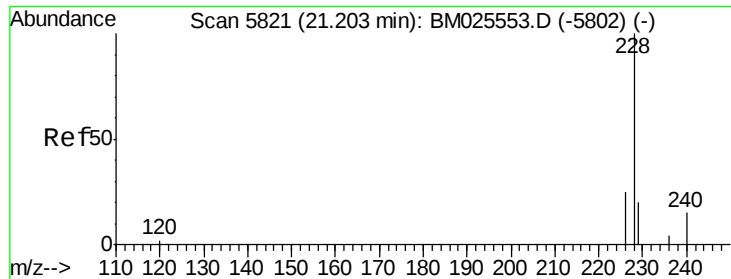
101 9.8 7.1 10.7

100 8.5 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: 0.163 ng/ul

RT: 21.20 min Scan# 5819

Delta R.T. -0.00 min

Lab File: BM025563.D

Acq: 14 Mar 2020 05:02

Instrument :

BNA_M

ClientSampleId :

C0AC1

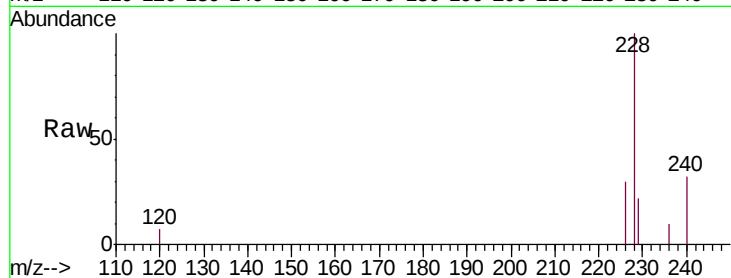
Tgt Ion:228 Resp: 9979

Ion Ratio Lower Upper

228 100

229 21.6 15.6 23.4

226 29.8 21.1 31.7

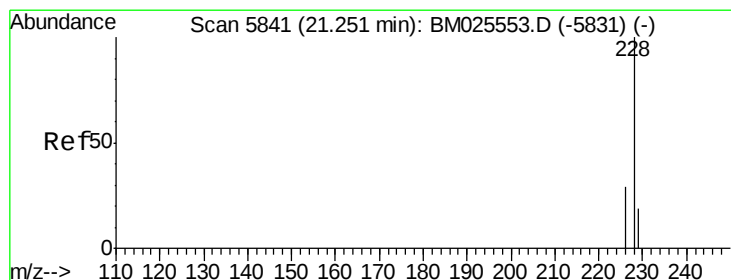
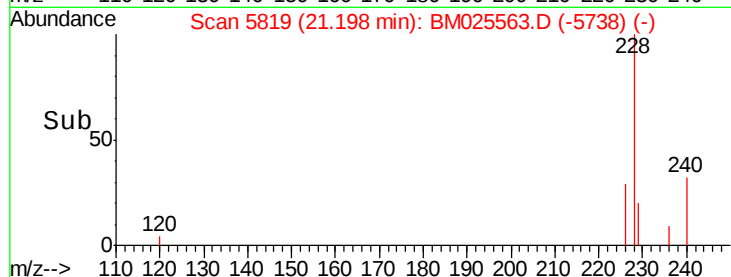
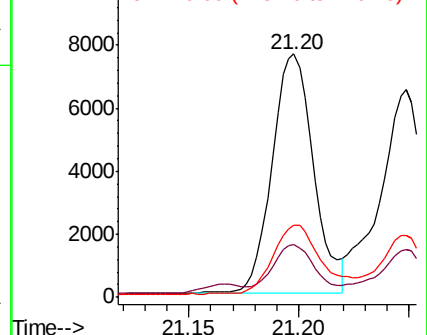


Abundance

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: 0.132 ng/ul

RT: 21.25 min Scan# 5840

Delta R.T. -0.00 min

Lab File: BM025563.D

Acq: 14 Mar 2020 05:02

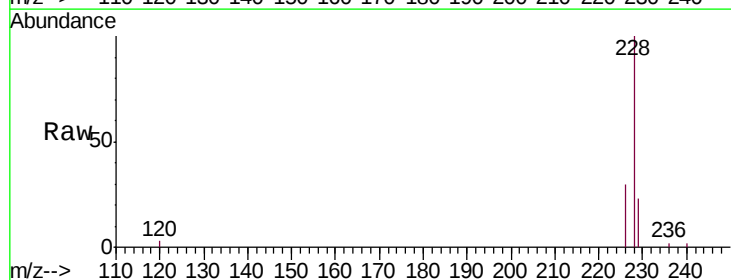
Tgt Ion:228 Resp: 9085

Ion Ratio Lower Upper

228 100

226 30.0 23.6 35.4

229 23.0 16.3 24.5

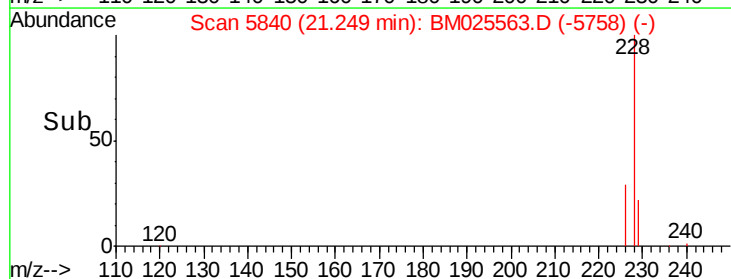
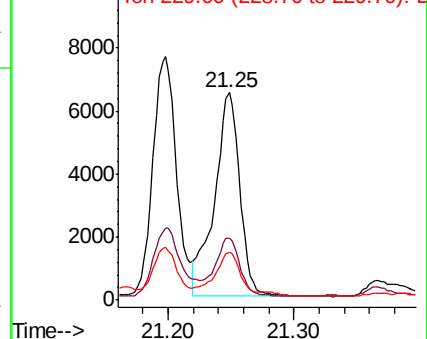


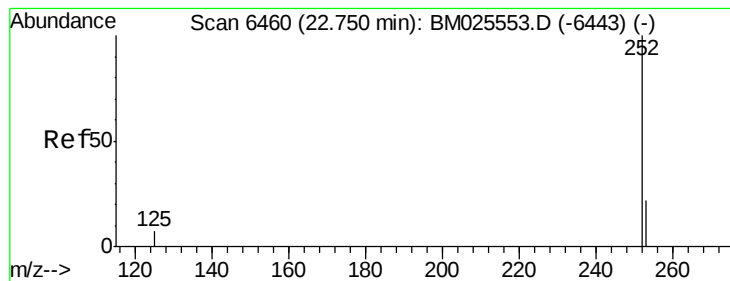
Abundance

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: 0.236 ng/ul

RT: 22.75 min Scan# 6459

Delta R.T. -0.00 min

Lab File: BM025563.D

Acq: 14 Mar 2020 05:02

Instrument :

BNA_M

ClientSampleId :

C0AC1

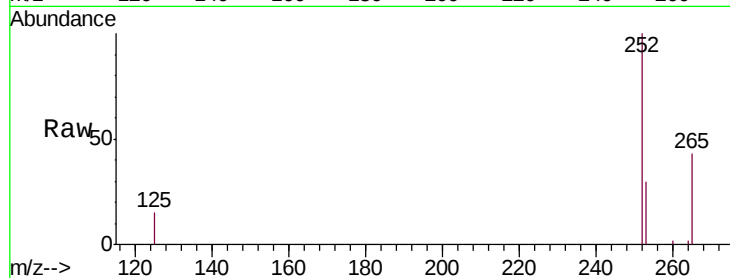
Tgt Ion:252 Resp: 16725

Ion Ratio Lower Upper

252 100

253 29.5 0.0 50.2

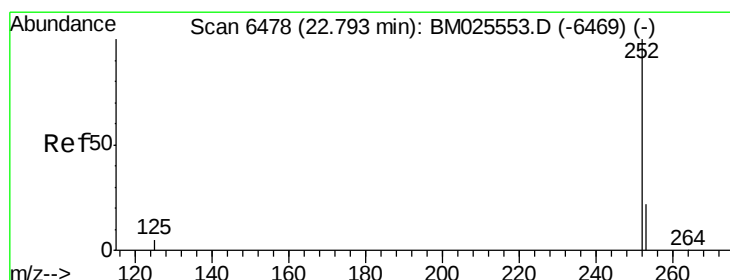
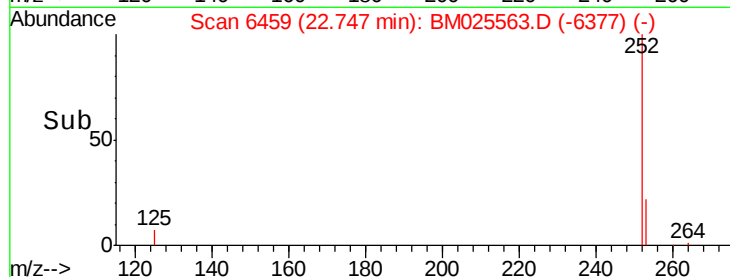
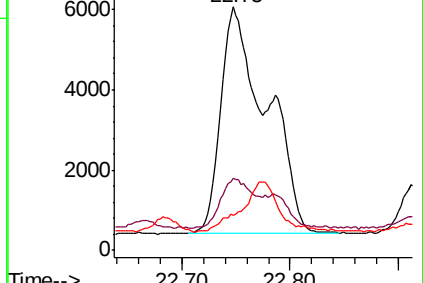
125 14.6 0.0 17.6



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: 0.225 ng/ul

RT: 22.75 min Scan# 6459

Delta R.T. -0.05 min

Lab File: BM025563.D

Acq: 14 Mar 2020 05:02

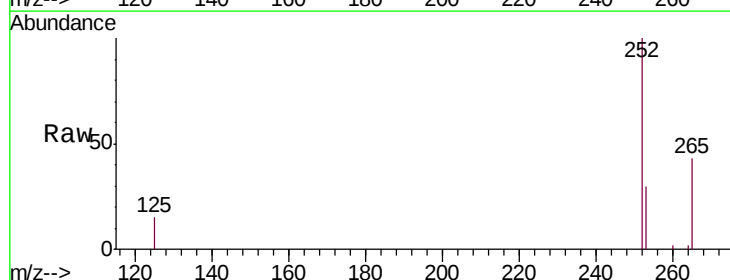
Tgt Ion:252 Resp: 16725

Ion Ratio Lower Upper

252 100

253 29.5 19.8 29.8

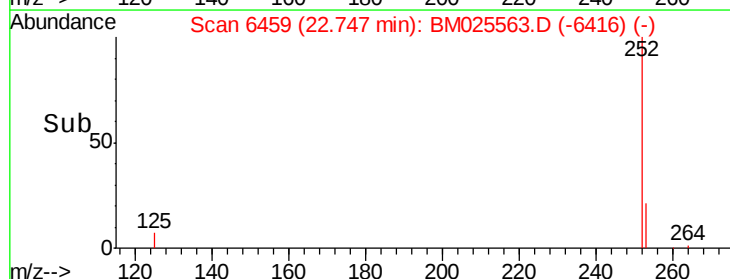
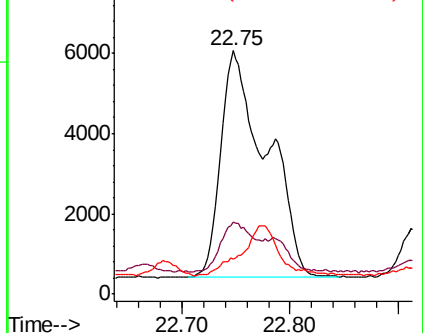
125 14.6 7.1 10.7#

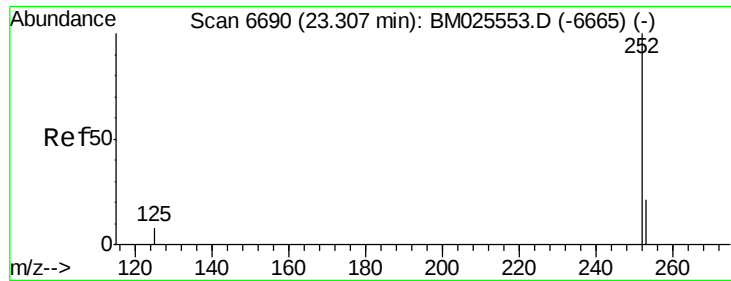


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.140 ng/u1

RT: 23.30 min Scan# 6687

Delta R.T. -0.01 min

Lab File: BM025563.D

Acq: 14 Mar 2020 05:02

Instrument :

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C0AC1

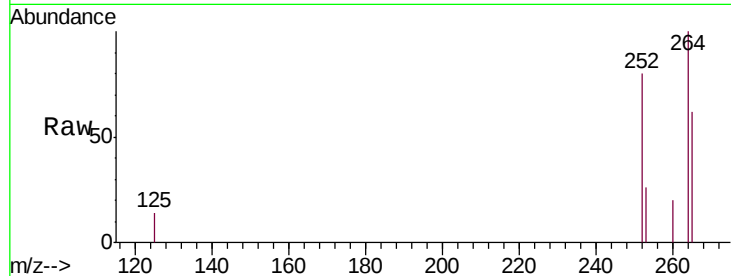
Tgt Ion:252 Resp: 8245

Ion Ratio Lower Upper

252 100

253 31.9 21.3 31.9

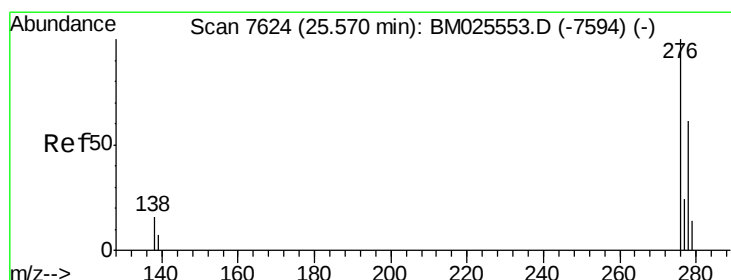
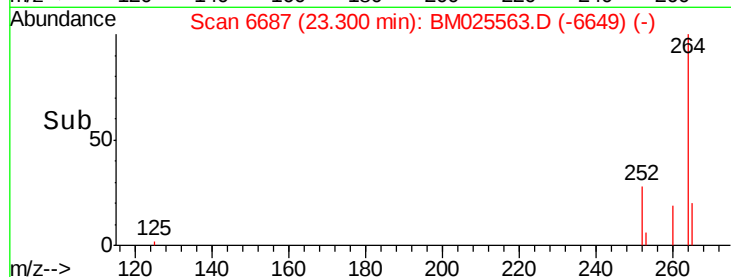
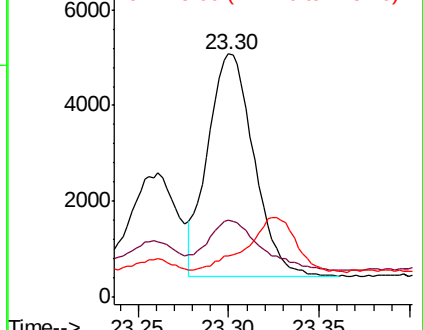
125 17.2 8.5 12.7#



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: 0.065 ng/u1

RT: 25.56 min Scan# 7620

Delta R.T. -0.01 min

Lab File: BM025563.D

Acq: 14 Mar 2020 05:02

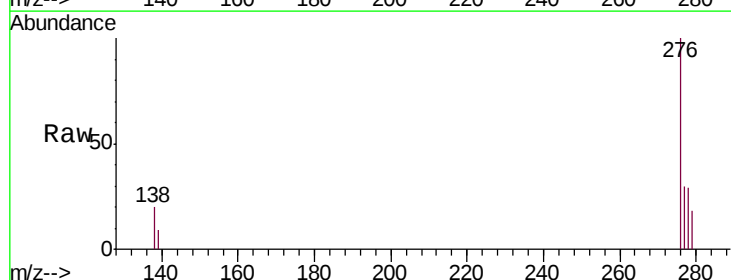
Tgt Ion:276 Resp: 5226

Ion Ratio Lower Upper

276 100

138 18.3 12.3 18.5

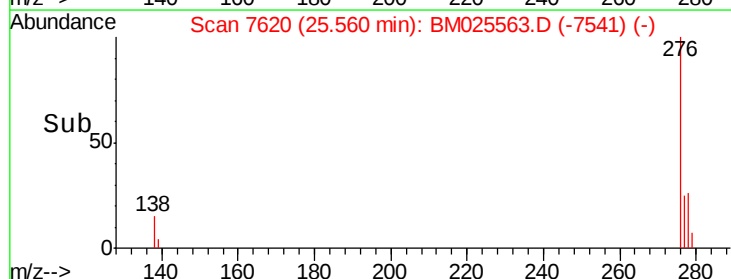
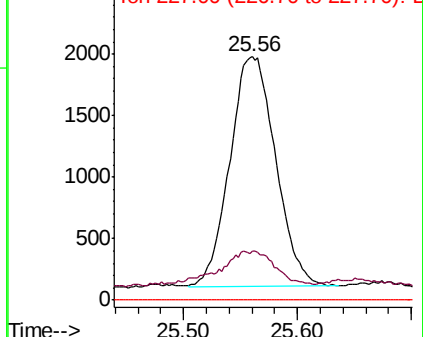
227 0.0 0.0 0.0

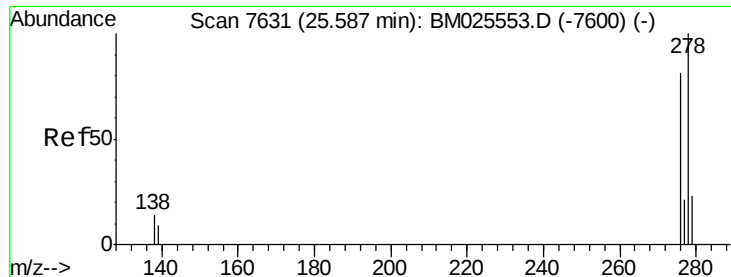


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

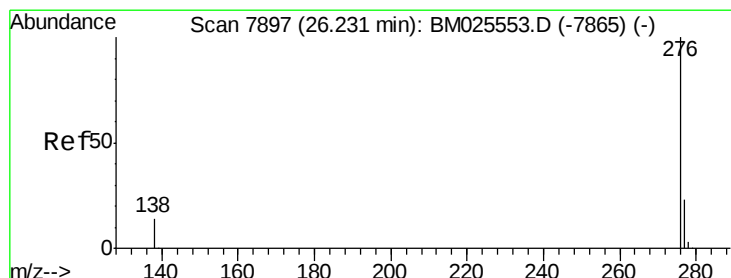
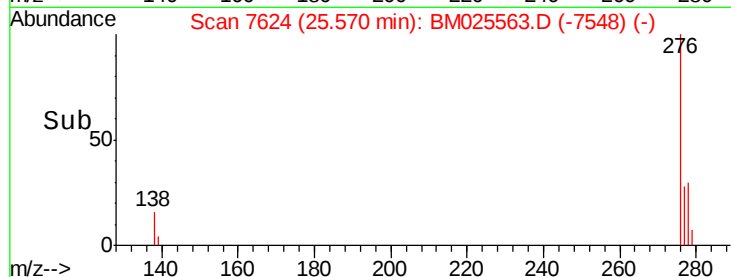
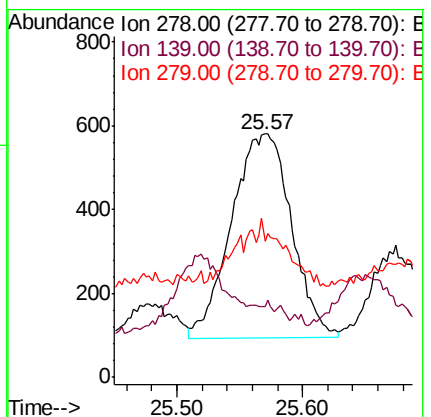
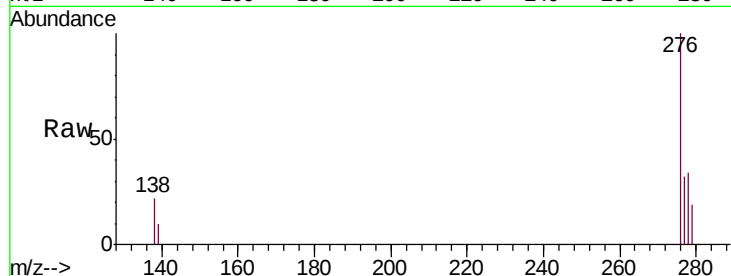




#25
Dibenzo(a,h)anthracene
Concen: 0.024 ng/ul
RT: 25.57 min Scan# 7624
Delta R.T. -0.02 min
Lab File: BM025563.D
Acq: 14 Mar 2020 05:02

Instrument :
BNA_M
ClientSampleId :
C0AC1

Tgt Ion:278 Resp: 1620
Ion Ratio Lower Upper
278 100
139 28.9 9.0 13.6#
279 55.9 21.1 31.7#



#26
Benzo(g,h,i)perylene
Concen: 0.066 ng/ul
RT: 26.22 min Scan# 7893
Delta R.T. -0.01 min
Lab File: BM025563.D
Acq: 14 Mar 2020 05:02

Tgt Ion:276 Resp: 4578
Ion Ratio Lower Upper
276 100
138 21.6 11.0 16.4#
277 28.8 19.8 29.6

