

Data File : BM025551.D
Acq On : 13 Mar 2020 21:13
Operator : CG/JU
Sample : L1786-15
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD1

Quant Time: Mar 16 05:40:38 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 05:37:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	3711	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	15792	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	10716	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	22532	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	18822	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	18494	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	2800	0.10	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	6213	0.10	ng/ul	0.00

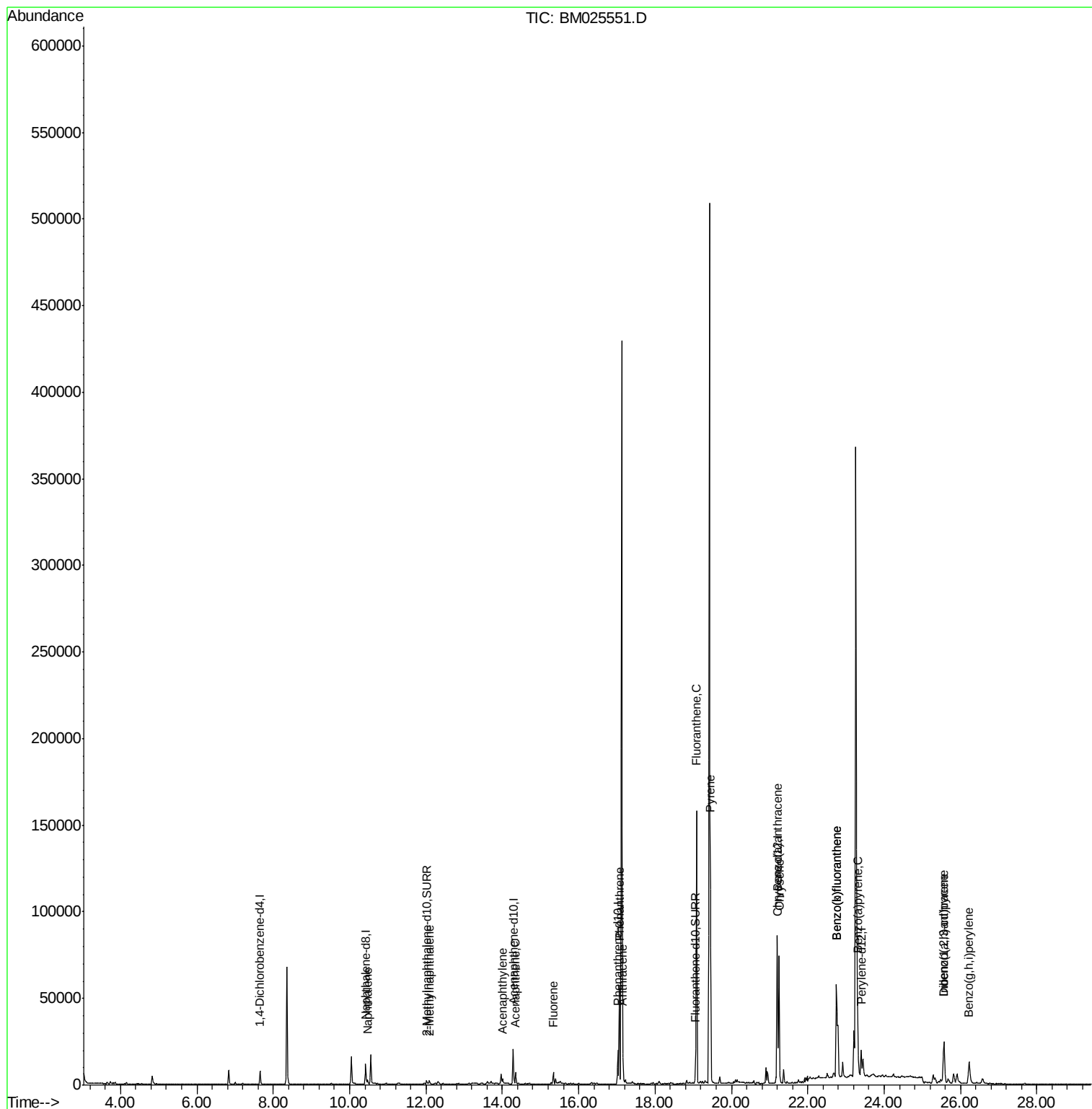
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.47	128	3440	0.074	ng/ul	96
5) 2-Methylnaphthalene	12.09	142	1297	0.039	ng/ul	98
7) Acenaphthylene	14.00	152	1729	0.039	ng/ul#	84
8) Acenaphthene	14.35	153	3753	0.098	ng/ul	98
9) Fluorene	15.33	166	4004	0.086	ng/ul	98
12) Phenanthrene	17.07	178	57142	0.800	ng/ul	99
13) Anthracene	17.16	178	13966	0.225	ng/ul	99
15) Fluoranthene	19.09	202	135176	1.746	ng/ul	99
17) Pyrene	19.45	202	112376	1.330	ng/ul	99
18) Benzo(a)anthracene	21.20	228	69530	1.033	ng/ul	99
19) Chrysene	21.25	228	67434	0.892	ng/ul	97
21) Benzo(b)fluoranthene	22.75	252	124686	1.703	ng/ul	98
22) Benzo(k)fluoranthene	22.75	252	124686	1.625	ng/ul	98
23) Benzo(a)pyrene	23.30	252	57138	0.940	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.56	276	37823	0.458	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.57	278	11475	0.165	ng/ul#	92
26) Benzo(g,h,i)perylene	26.22	276	27035	0.378	ng/ul	97

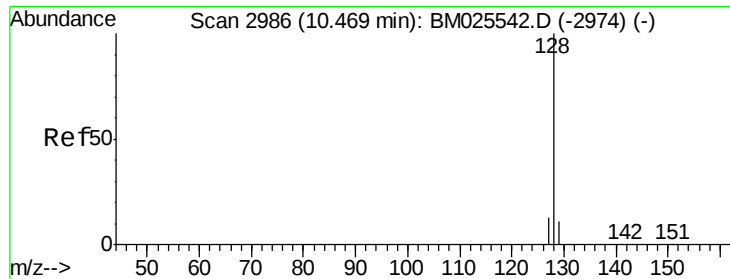
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.074 ng/ul

RT: 10.47 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BM025551.D

Acq: 13 Mar 2020 21:13

Instrument :

BNA_M

ClientSampled :

C0AD1

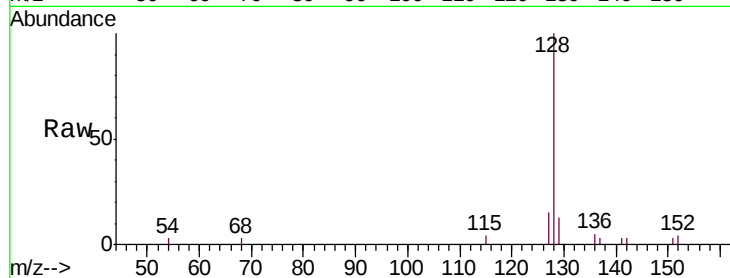
Tgt Ion:128 Resp: 3440

Ion Ratio Lower Upper

128 100

129 13.2 9.4 14.0

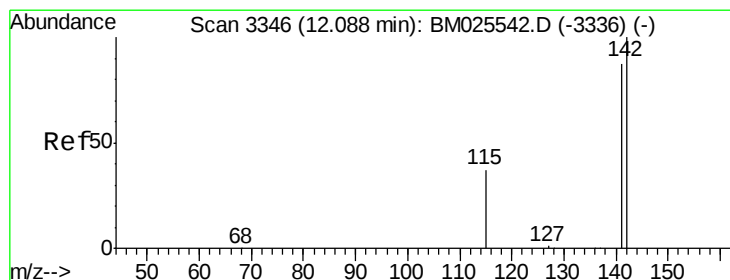
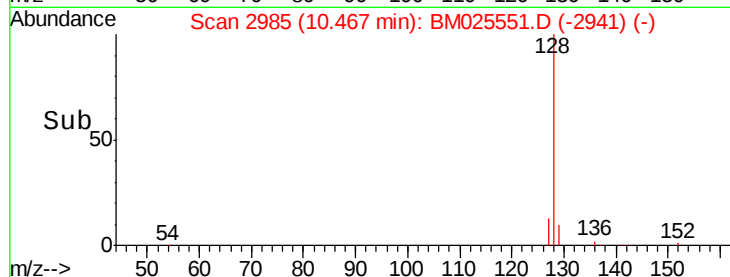
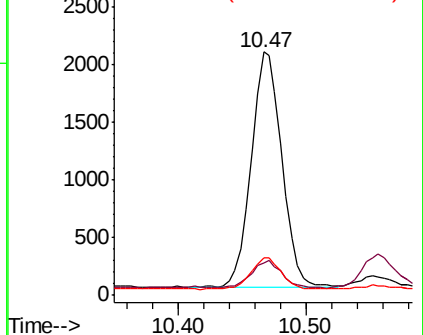
127 15.2 10.9 16.3



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: 0.039 ng/ul

RT: 12.09 min Scan# 3346

Delta R.T. 0.00 min

Lab File: BM025551.D

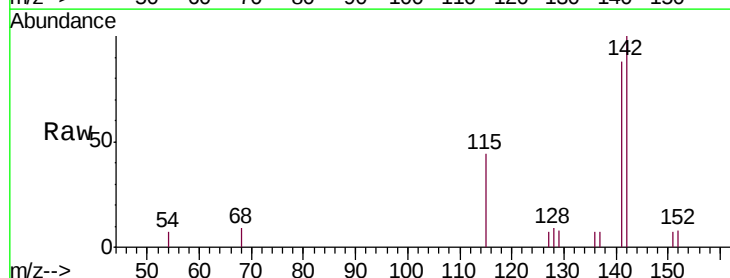
Acq: 13 Mar 2020 21:13

Tgt Ion:142 Resp: 1297

Ion Ratio Lower Upper

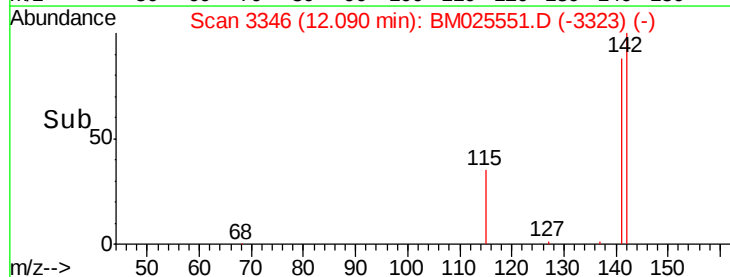
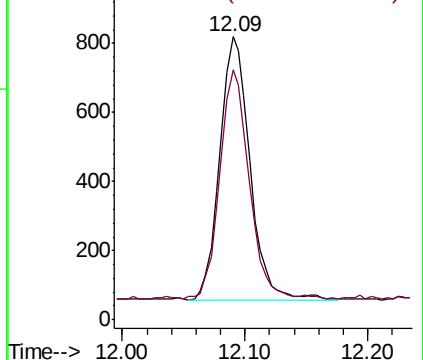
142 100

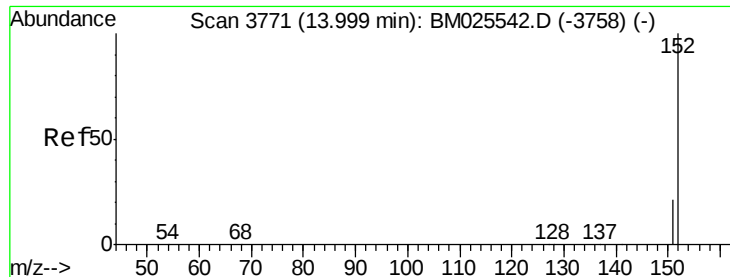
141 85.7 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.039 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. 0.00 min

Lab File: BM025551.D

Acq: 13 Mar 2020 21:13

Instrument :

BNA_M

ClientSampleId :

C0AD1

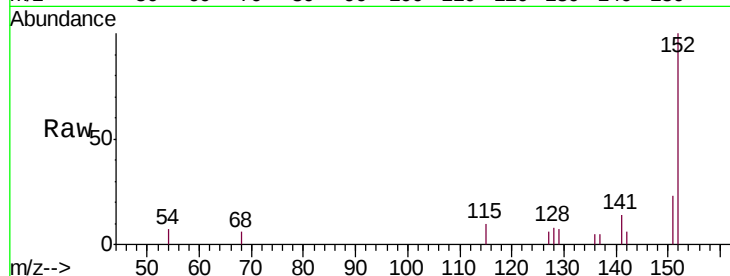
Tgt Ion:152 Resp: 1729

Ion Ratio Lower Upper

152 100

151 22.6 16.2 24.2

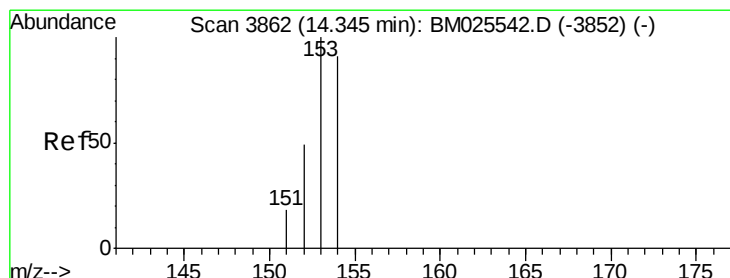
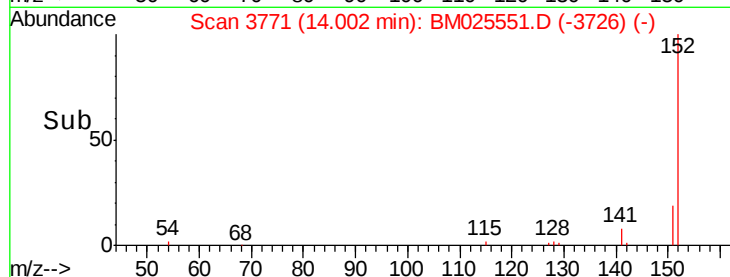
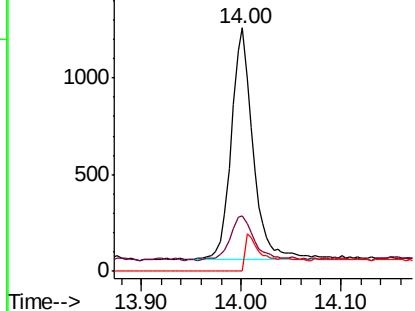
153 0.0 10.6 16.0#



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: 0.098 ng/ul

RT: 14.35 min Scan# 3862

Delta R.T. 0.00 min

Lab File: BM025551.D

Acq: 13 Mar 2020 21:13

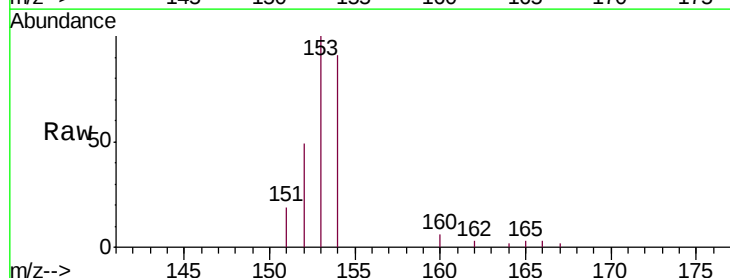
Tgt Ion:153 Resp: 3753

Ion Ratio Lower Upper

153 100

152 48.6 39.5 59.3

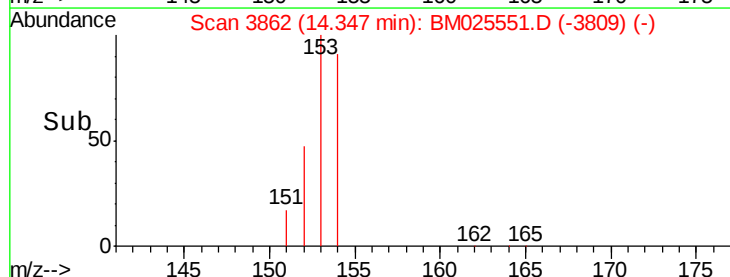
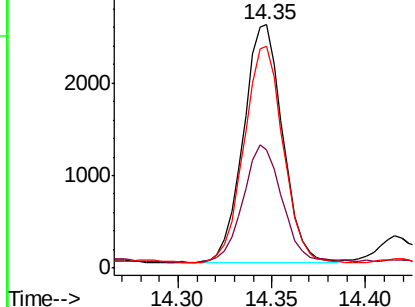
154 91.3 71.7 107.5

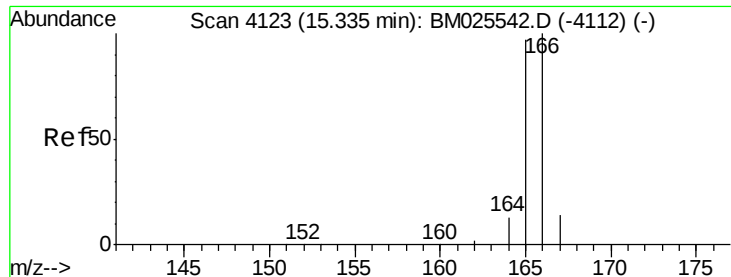


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.086 ng/ul

RT: 15.33 min Scan# 4122

Delta R.T. -0.00 min

Lab File: BM025551.D

Acq: 13 Mar 2020 21:13

Instrument :

BNA_M

ClientSampleId :

C0AD1

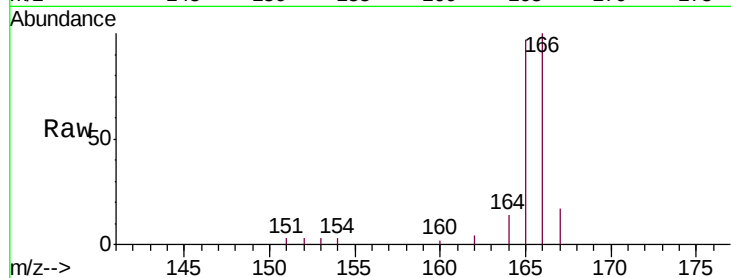
Tgt Ion:166 Resp: 4004

Ion Ratio Lower Upper

166 100

165 97.4 76.8 115.2

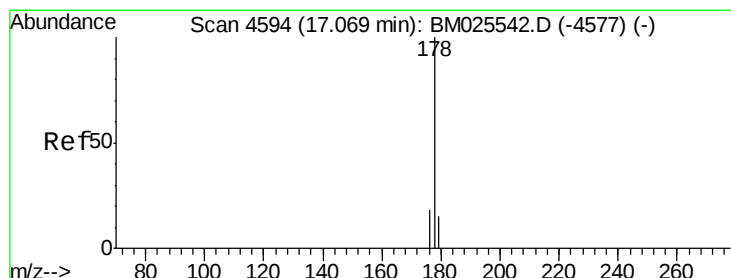
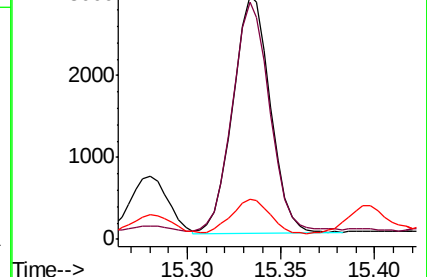
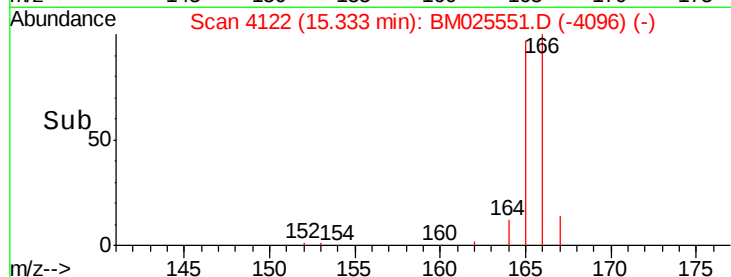
167 16.6 11.2 16.8



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



#12

Phenanthrene

Concen: 0.800 ng/ul

RT: 17.07 min Scan# 4593

Delta R.T. -0.00 min

Lab File: BM025551.D

Acq: 13 Mar 2020 21:13

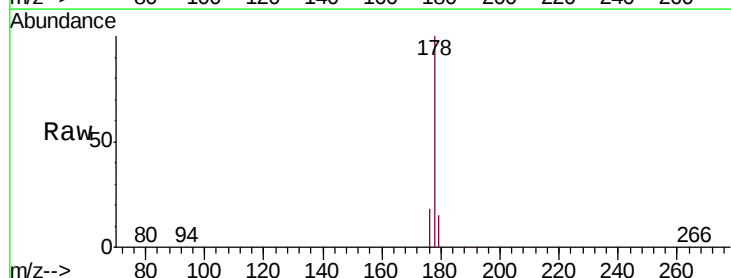
Tgt Ion:178 Resp: 57142

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

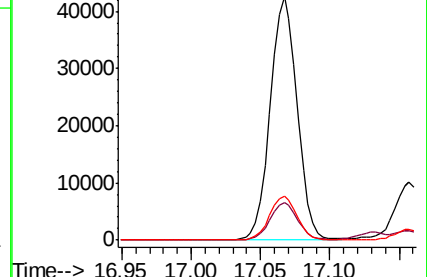
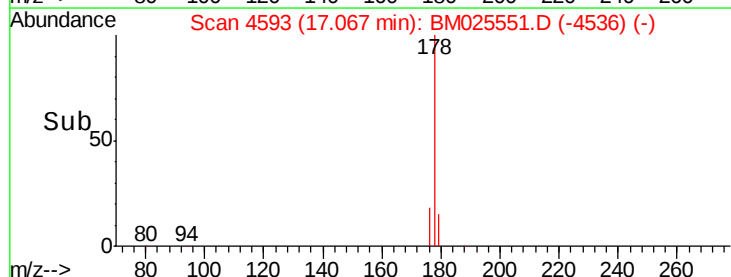
176 18.0 14.8 22.2

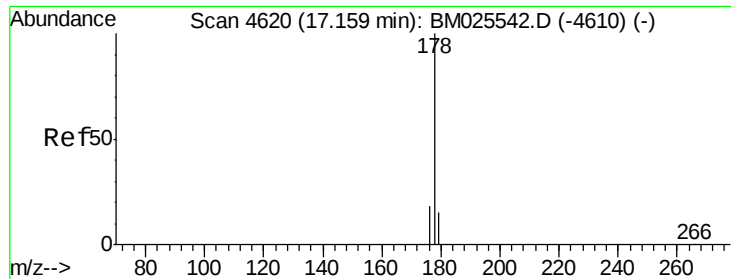


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.225 ng/ul

RT: 17.16 min Scan# 4619

Delta R.T. -0.00 min

Lab File: BM025551.D

Acq: 13 Mar 2020 21:13

Instrument :

BNA_M

ClientSampleId :

C0AD1

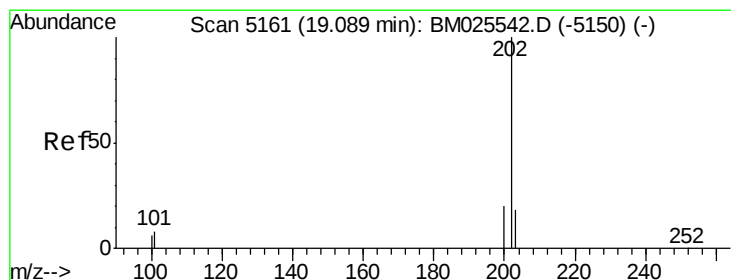
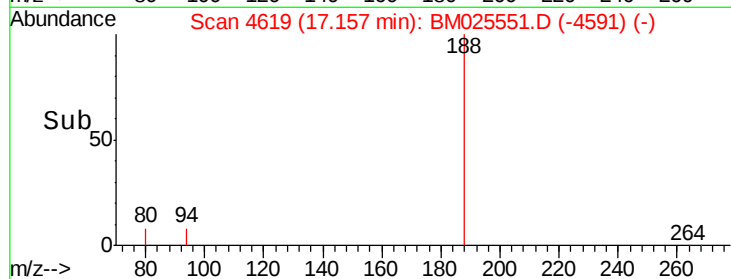
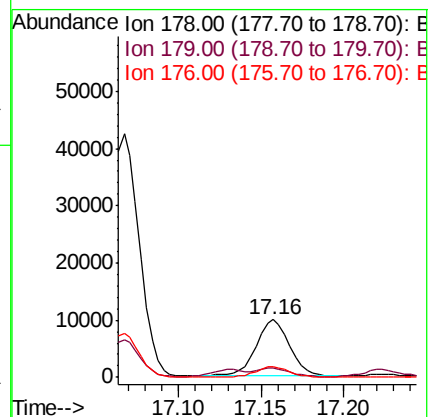
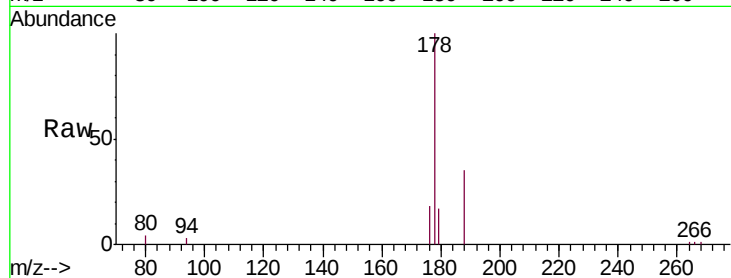
Tgt Ion:178 Resp: 13966

Ion Ratio Lower Upper

178 100

179 16.7 12.6 18.8

176 18.4 14.5 21.7



#15

Fluoranthene

Concen: 1.746 ng/ul

RT: 19.09 min Scan# 5160

Delta R.T. -0.00 min

Lab File: BM025551.D

Acq: 13 Mar 2020 21:13

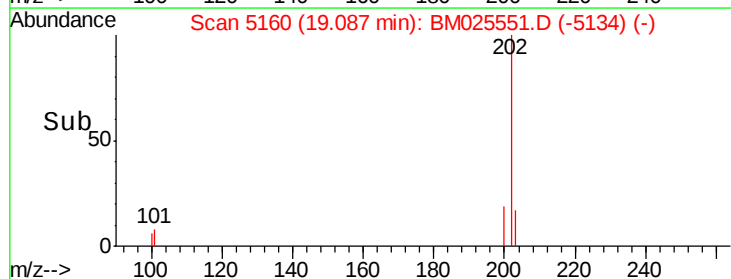
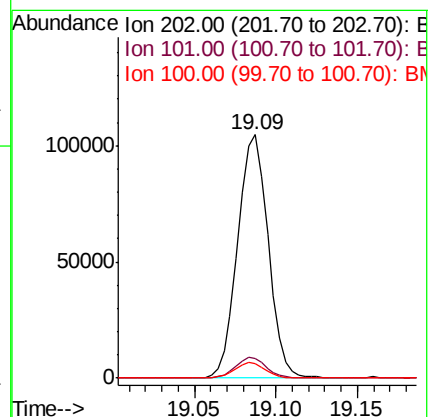
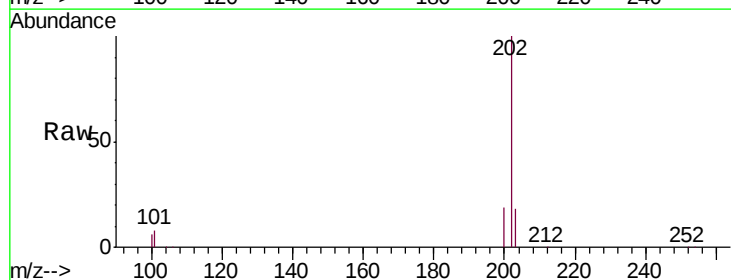
Tgt Ion:202 Resp: 135176

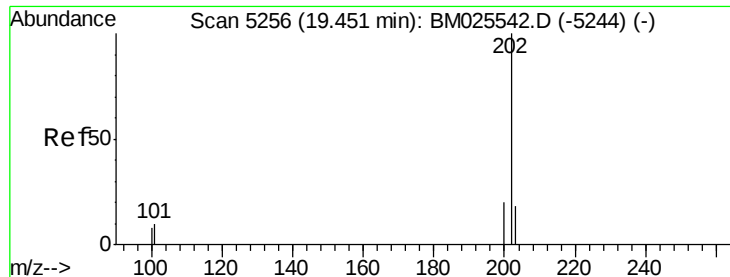
Ion Ratio Lower Upper

202 100

101 8.0 0.0 27.5

100 6.1 0.0 26.0

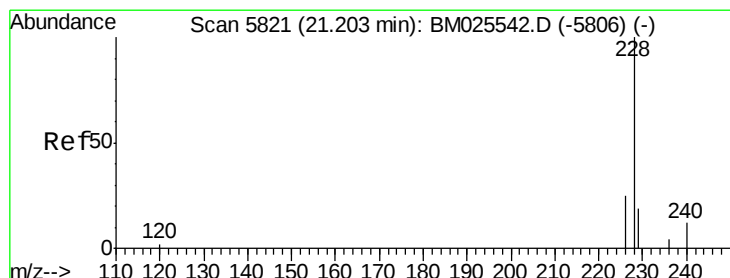
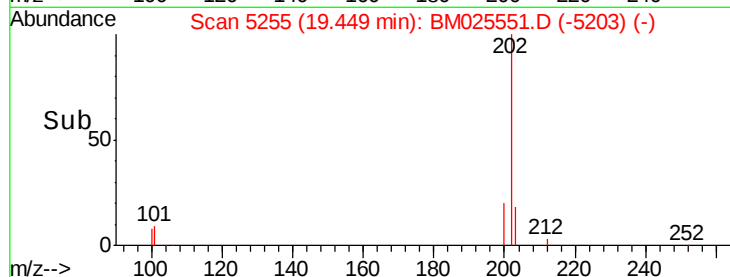
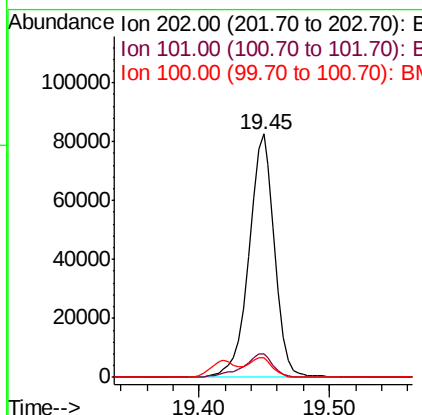
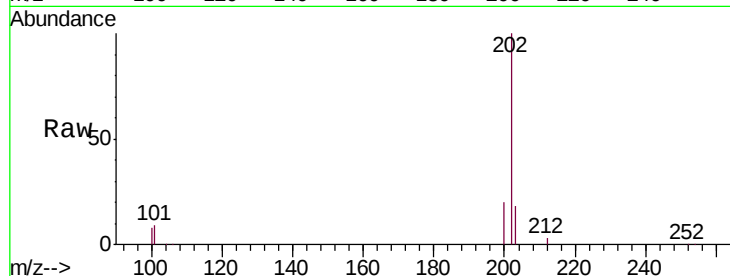




#17
Pyrene
Concen: 1.330 ng/ul
RT: 19.45 min Scan# 5255
Delta R.T. -0.00 min
Lab File: BM025551.D
Acq: 13 Mar 2020 21:13

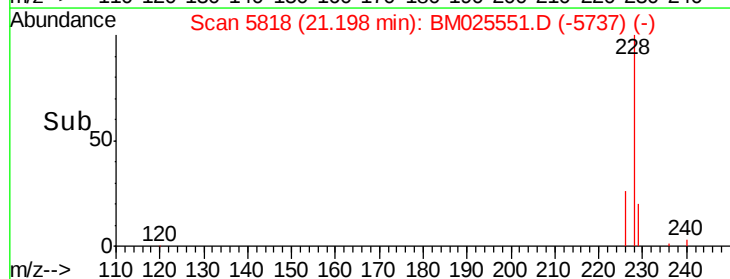
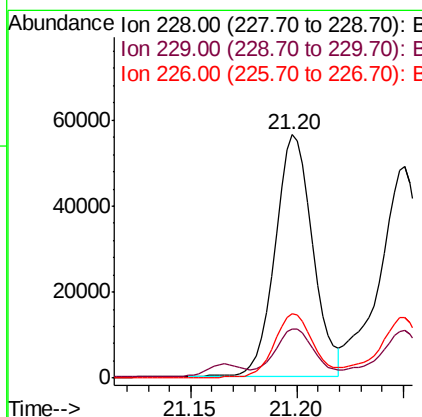
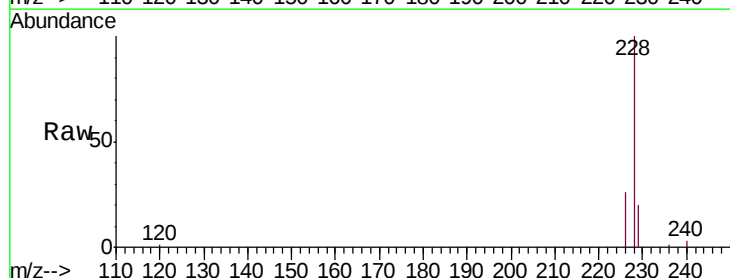
Instrument :
BNA_M
ClientSampleId :
C0AD1

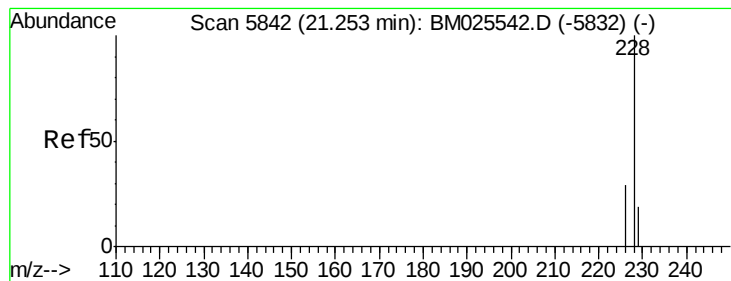
Tgt Ion:202 Resp: 112376
Ion Ratio Lower Upper
202 100
101 9.4 7.1 10.7
100 7.9 6.0 9.0



#18
Benzo(a)anthracene
Concen: 1.033 ng/ul
RT: 21.20 min Scan# 5818
Delta R.T. -0.01 min
Lab File: BM025551.D
Acq: 13 Mar 2020 21:13

Tgt Ion:228 Resp: 69530
Ion Ratio Lower Upper
228 100
229 20.3 15.6 23.4
226 26.4 21.1 31.7





#19

Chrysene

Concen: 0.892 ng/ul

RT: 21.25 min Scan# 5840

Delta R.T. -0.00 min

Lab File: BM025551.D

Acq: 13 Mar 2020 21:13

Instrument :

BNA_M

ClientSampleId :

C0AD1

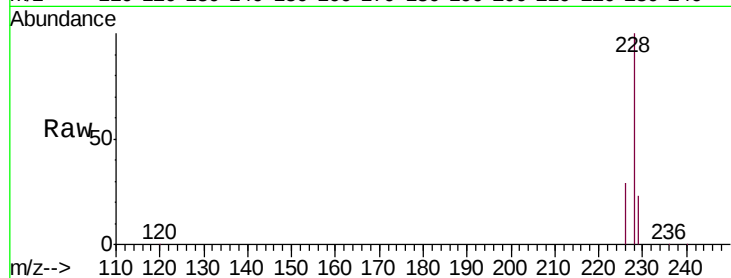
Tgt Ion:228 Resp: 67434

Ion Ratio Lower Upper

228 100

226 28.8 23.6 35.4

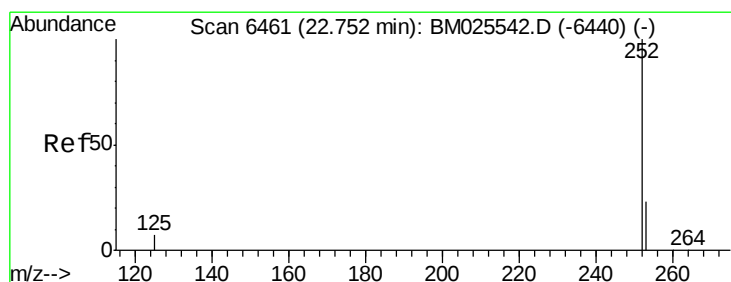
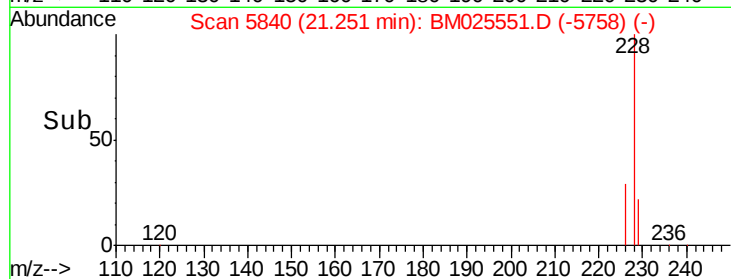
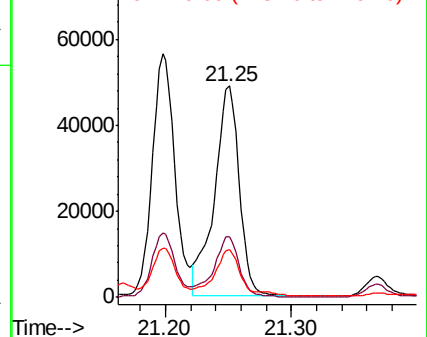
229 22.5 16.3 24.5



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: 1.703 ng/ul

RT: 22.75 min Scan# 6459

Delta R.T. -0.00 min

Lab File: BM025551.D

Acq: 13 Mar 2020 21:13

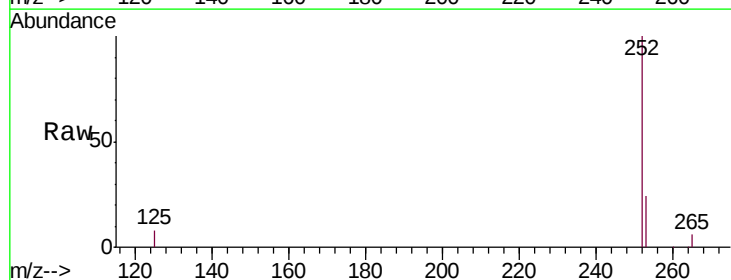
Tgt Ion:252 Resp: 124686

Ion Ratio Lower Upper

252 100

253 23.8 0.0 50.2

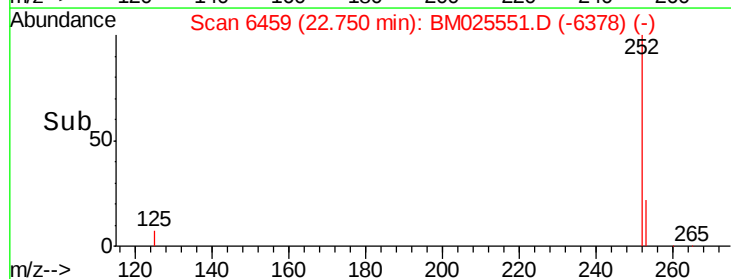
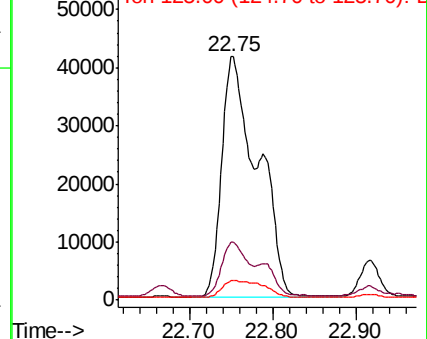
125 8.1 0.0 17.6

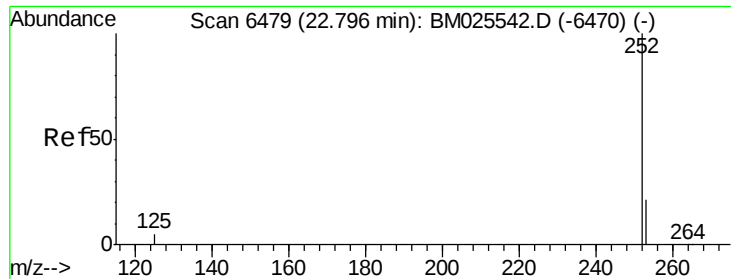


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.625 ng/ul

RT: 22.75 min Scan# 6459

Delta R.T. -0.05 min

Lab File: BM025551.D

Acq: 13 Mar 2020 21:13

Instrument :

BNA_M

ClientSampleId :

C0AD1

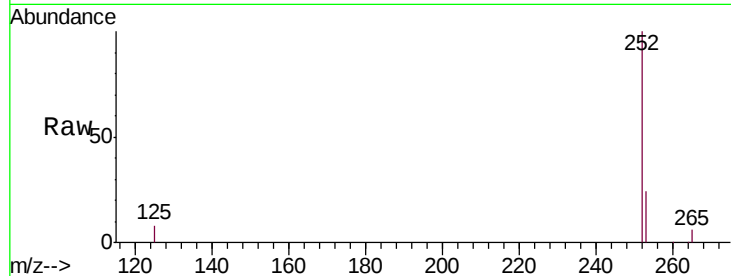
Tgt Ion:252 Resp: 124686

Ion Ratio Lower Upper

252 100

253 23.8 19.8 29.8

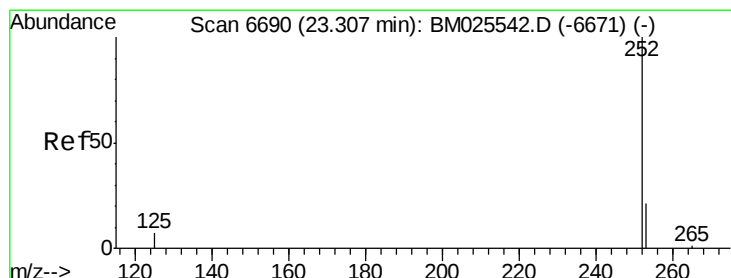
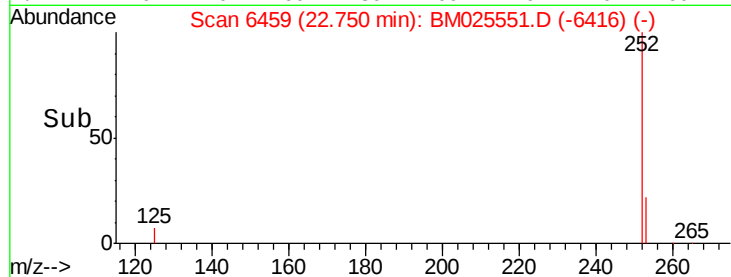
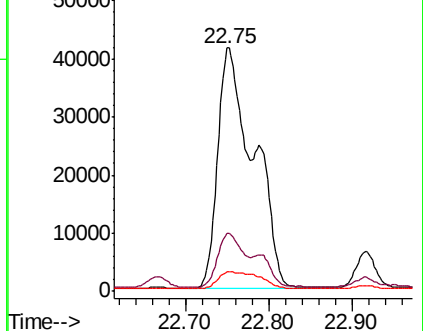
125 8.1 7.1 10.7



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: 0.940 ng/ul

RT: 23.30 min Scan# 6688

Delta R.T. -0.00 min

Lab File: BM025551.D

Acq: 13 Mar 2020 21:13

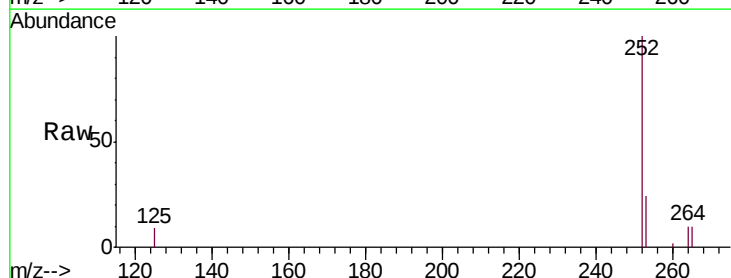
Tgt Ion:252 Resp: 57138

Ion Ratio Lower Upper

252 100

253 23.9 21.3 31.9

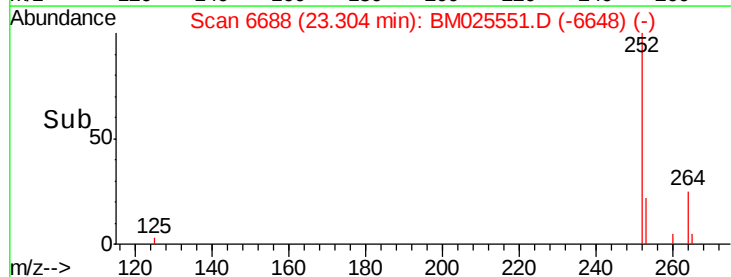
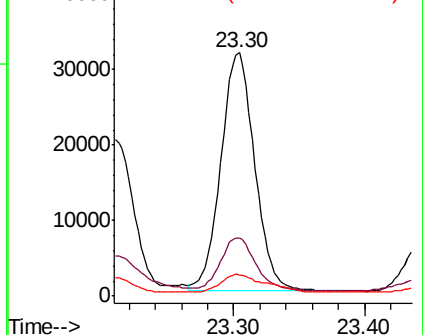
125 8.8 8.5 12.7

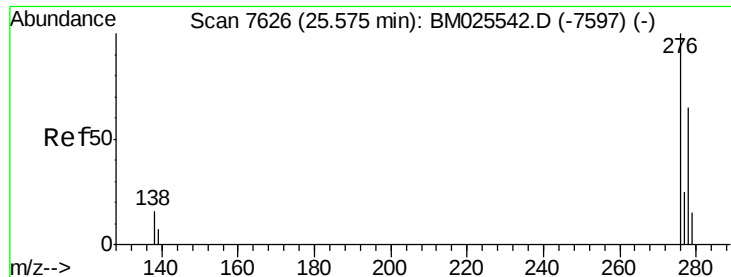


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



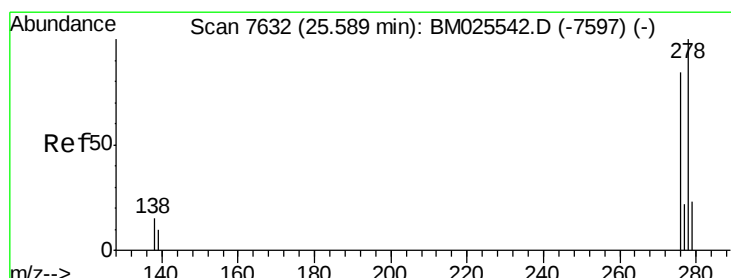
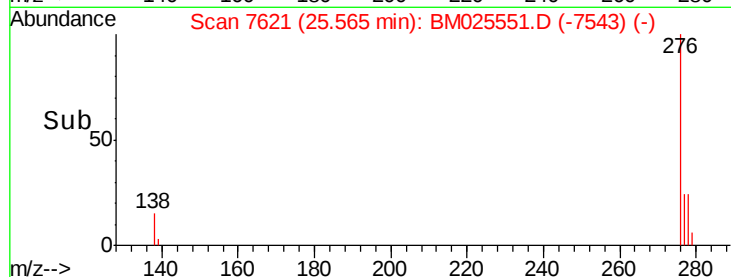
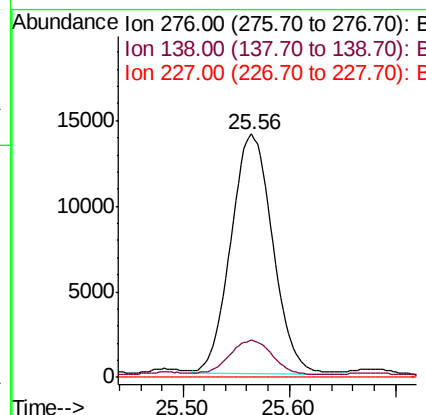
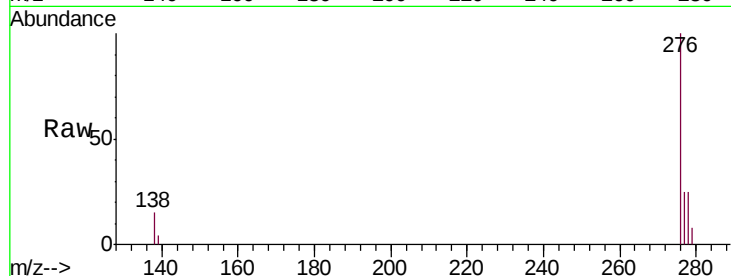


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.458 ng/ul
RT: 25.56 min Scan# 7621
Delta R.T. -0.01 min
Lab File: BM025551.D
Acq: 13 Mar 2020 21:13

Instrument :
BNA_M
ClientSampleId :
C0AD1

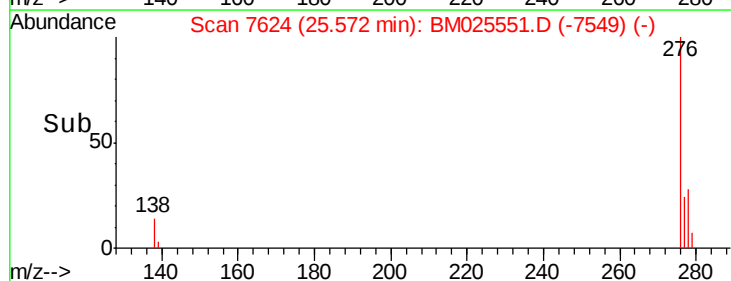
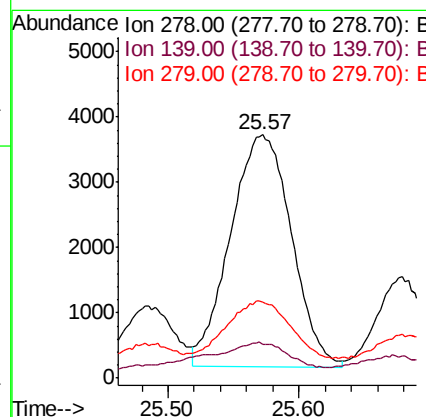
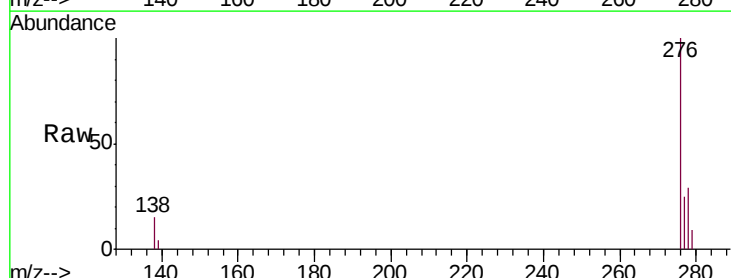
Tgt Ion:276 Resp: 37823
Ion Ratio Lower Upper
276 100
138 14.8 12.3 18.5
227 0.0 0.0 0.0

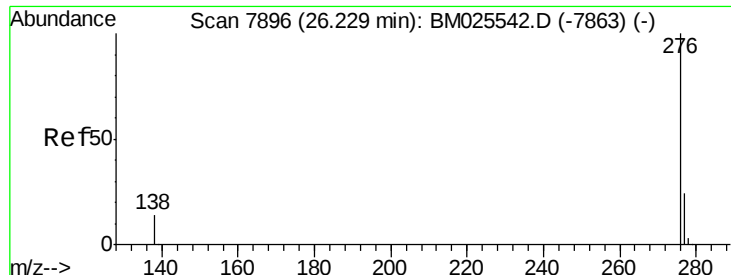


#25

Dibenzo(a,h)anthracene
Concen: 0.165 ng/ul
RT: 25.57 min Scan# 7624
Delta R.T. -0.02 min
Lab File: BM025551.D
Acq: 13 Mar 2020 21:13

Tgt Ion:278 Resp: 11475
Ion Ratio Lower Upper
278 100
139 13.9 9.0 13.6#
279 31.1 21.1 31.7





#26

Benzo(g,h,i)perylene

Concen: 0.378 ng/ul

RT: 26.22 min Scan# 7892

Delta R.T. -0.01 min

Lab File: BM025551.D

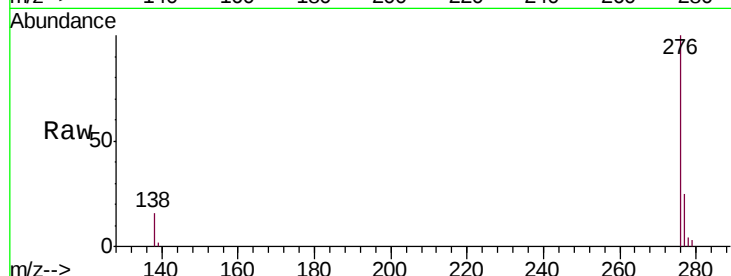
Acq: 13 Mar 2020 21:13

Instrument :

BNA_M

ClientSampleId :

C0AD1



Tgt Ion: 276 Resp: 27035

Ion Ratio Lower Upper

276 100

138 16.1 11.0 16.4

277 25.1 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

