

Data File : BM025561.D
Acq On : 14 Mar 2020 03:51
Operator : CG/JU
Sample : L1786-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC2

Quant Time: Mar 16 06:48:40 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	4048	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	17670	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	11841	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	22520	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	16408	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	18025	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	2270	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	4809	0.08	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.47	128	55995	1.070	ng/ul	98
5) 2-Methylnaphthalene	12.09	142	30423	0.814	ng/ul	100
7) Acenaphthylene	14.00	152	52986	1.095	ng/ul#	86
8) Acenaphthene	14.34	153	67262	1.585	ng/ul	98
9) Fluorene	15.33	166	143309	2.772	ng/ul	99
12) Phenanthrene	17.06	178	768143	10.763	ng/ul	100
13) Anthracene	17.16	178	412381	6.640	ng/ul	99
15) Fluoranthene	19.08	202	1449508	18.736	ng/ul	97
17) Pyrene	19.45	202	1028391	13.964	ng/ul	98
18) Benzo(a)anthracene	21.20	228	582544	9.930	ng/ul	99
19) Chrysene	21.25	228	477351	7.246	ng/ul	98
21) Benzo(b)fluoranthene	22.75	252	824710	11.554	ng/ul	96
22) Benzo(k)fluoranthene	22.75	252	824710	11.028	ng/ul	96
23) Benzo(a)pyrene	23.30	252	370175	6.245	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.56	276	220822	2.746	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.57	278	72440	1.071	ng/ul	98
26) Benzo(g,h,i)perylene	26.22	276	137546	1.972	ng/ul	98

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

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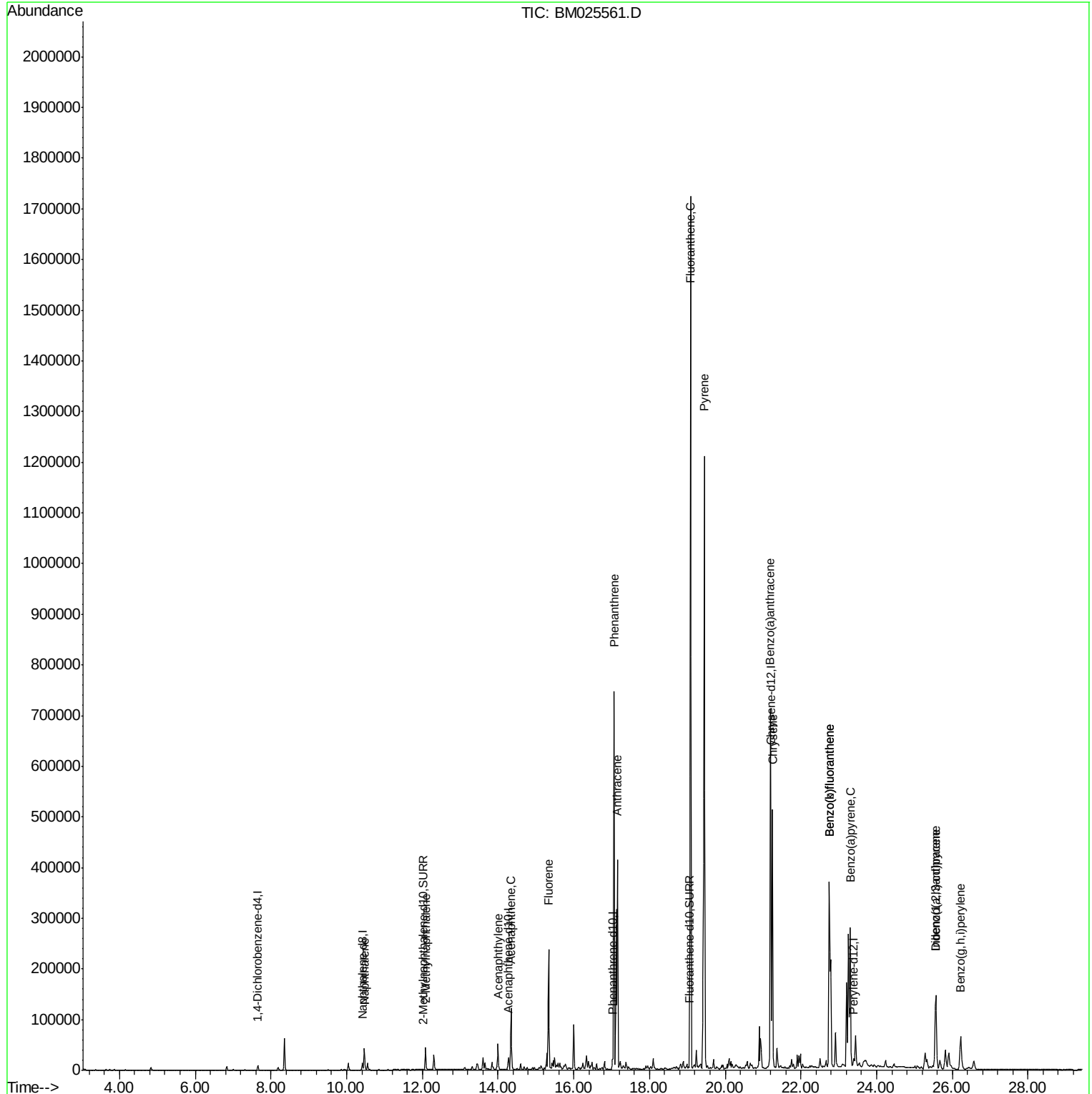
Quant Time: Mar 16 06:48:40 2020

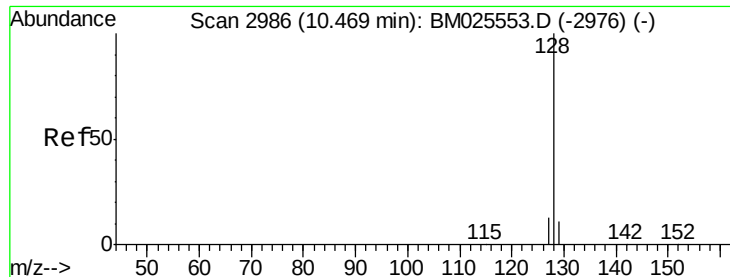
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030920.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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#3

Naphthalene

Concen: 1.070 ng/ul

RT: 10.47 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BM025561.D

Acq: 14 Mar 2020 03:51

Instrument :

BNA_M

ClientSampleId :

C0AC2

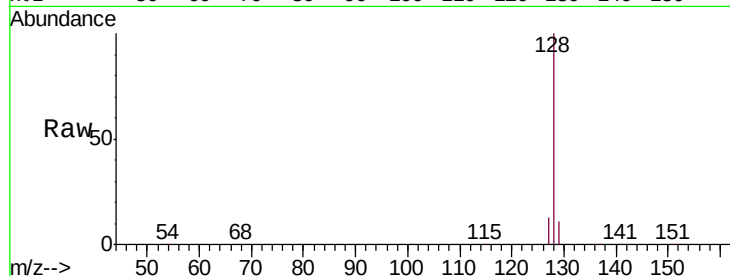
Tgt Ion:128 Resp: 55995

Ion Ratio Lower Upper

128 100

129 11.1 9.4 14.0

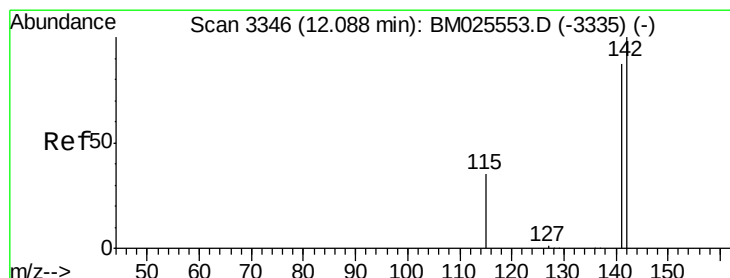
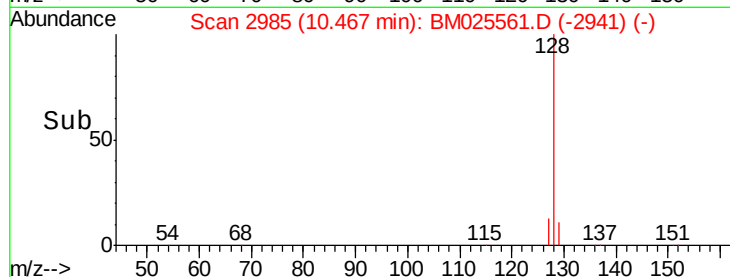
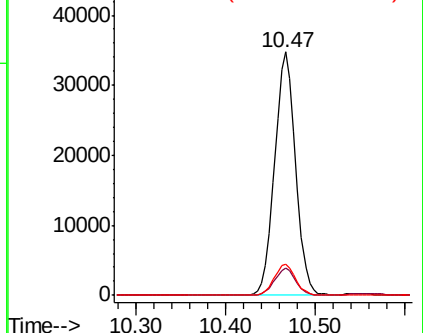
127 12.7 10.9 16.3



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: 0.814 ng/ul

RT: 12.09 min Scan# 3345

Delta R.T. -0.00 min

Lab File: BM025561.D

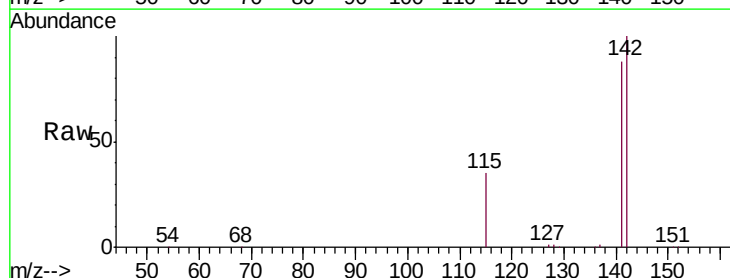
Acq: 14 Mar 2020 03:51

Tgt Ion:142 Resp: 30423

Ion Ratio Lower Upper

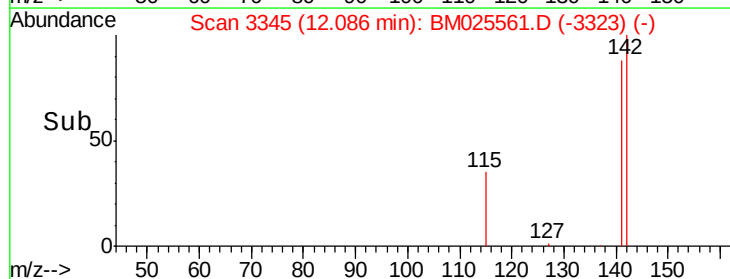
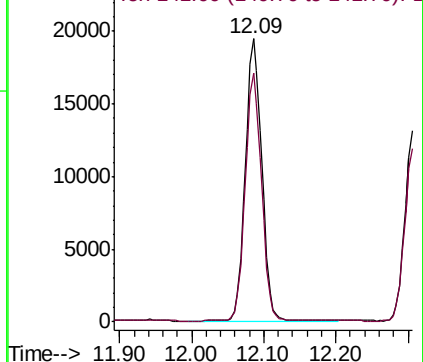
142 100

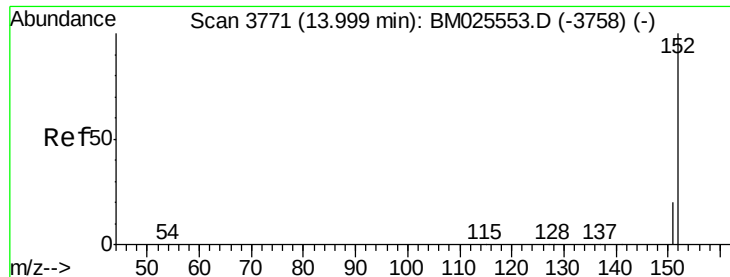
141 86.8 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.095 ng/ul

RT: 14.00 min Scan# 3770

Delta R.T. -0.00 min

Lab File: BM025561.D

Acq: 14 Mar 2020 03:51

Instrument :

BNA_M

ClientSampleId :

C0AC2

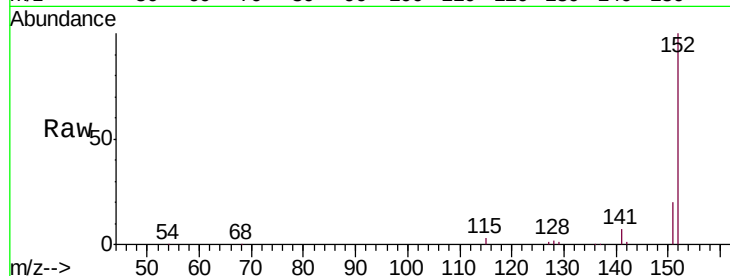
Tgt Ion:152 Resp: 52986

Ion Ratio Lower Upper

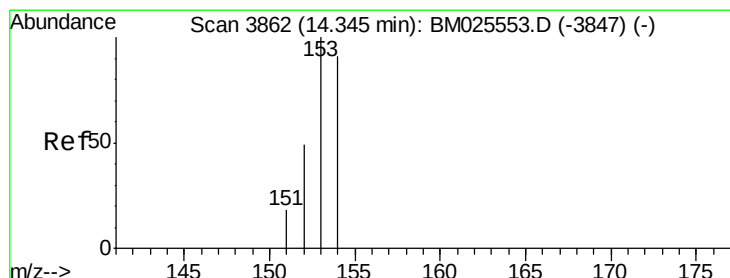
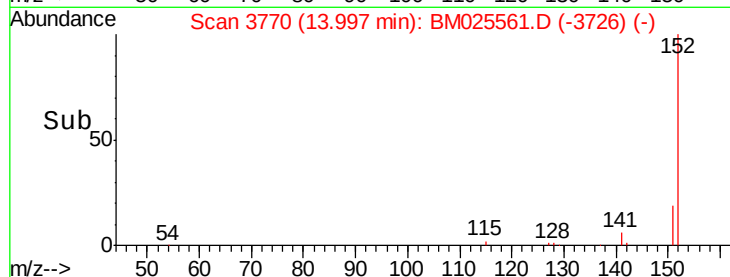
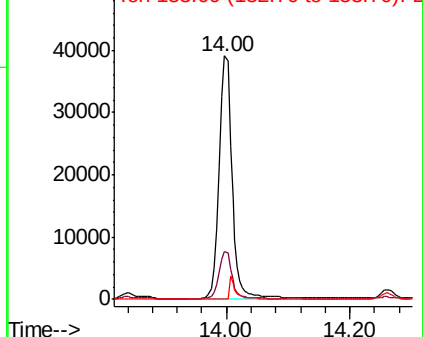
152 100

151 19.6 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: 1.585 ng/ul

RT: 14.34 min Scan# 3861

Delta R.T. -0.00 min

Lab File: BM025561.D

Acq: 14 Mar 2020 03:51

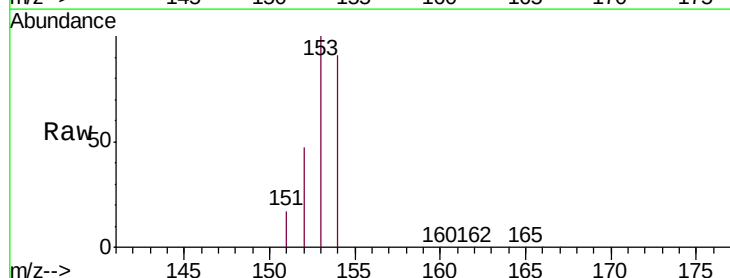
Tgt Ion:153 Resp: 67262

Ion Ratio Lower Upper

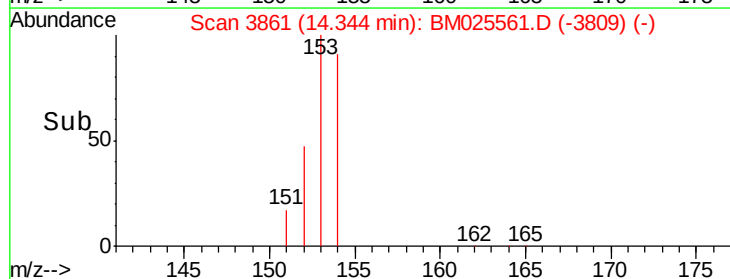
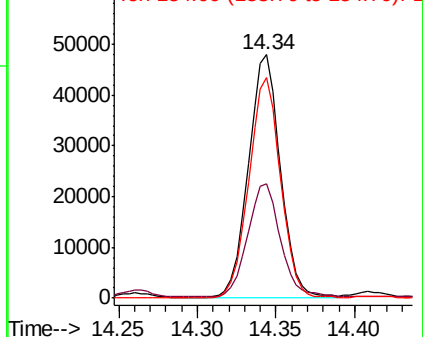
153 100

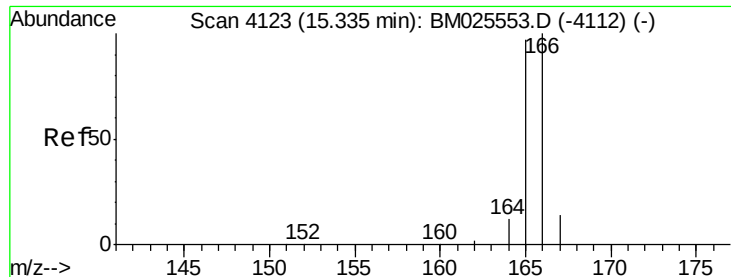
152 47.0 39.5 59.3

154 90.5 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: 2.772 ng/ul

RT: 15.33 min Scan# 4122

Delta R.T. -0.00 min

Lab File: BM025561.D

Acq: 14 Mar 2020 03:51

Instrument :

BNA_M

ClientSampleId :

C0AC2

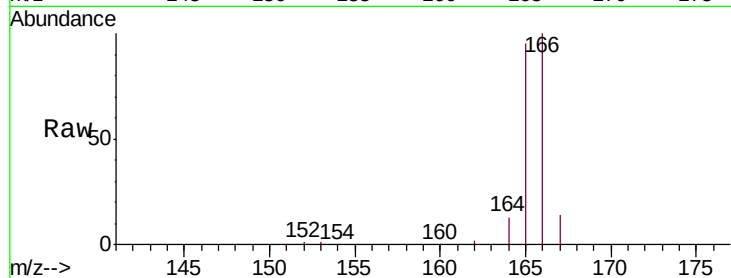
Tgt Ion:166 Resp: 143309

Ion Ratio Lower Upper

166 100

165 94.7 76.8 115.2

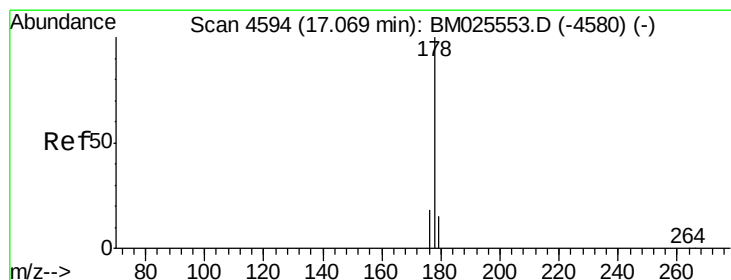
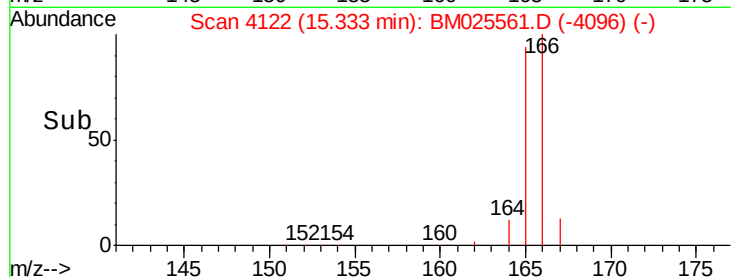
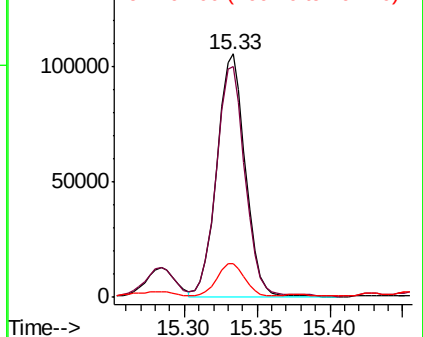
167 14.0 11.2 16.8



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



#12

Phenanthrene

Concen: 10.763 ng/ul

RT: 17.06 min Scan# 4592

Delta R.T. -0.00 min

Lab File: BM025561.D

Acq: 14 Mar 2020 03:51

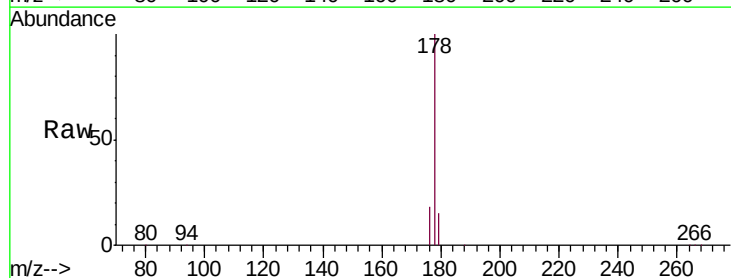
Tgt Ion:178 Resp: 768143

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

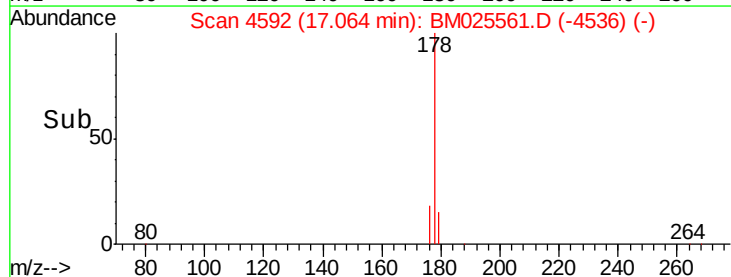
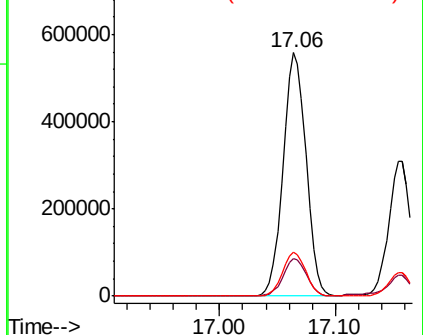
176 18.2 14.8 22.2

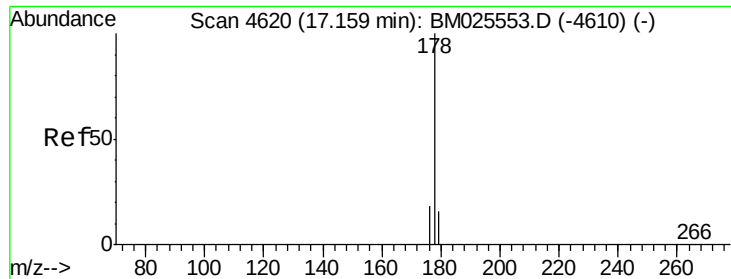


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 6.640 ng/ul

RT: 17.16 min Scan# 4619

Delta R.T. -0.00 min

Lab File: BM025561.D

Acq: 14 Mar 2020 03:51

Instrument :

BNA_M

ClientSampleId :

C0AC2

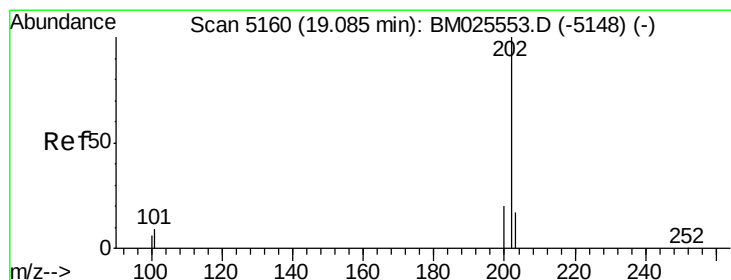
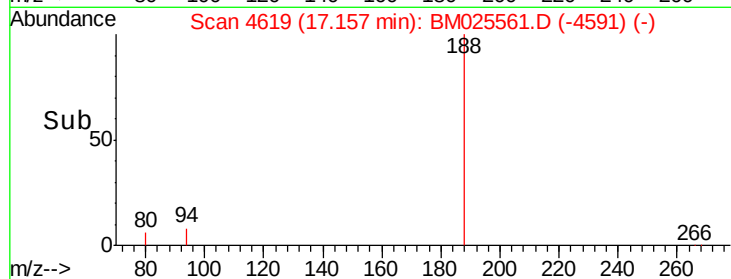
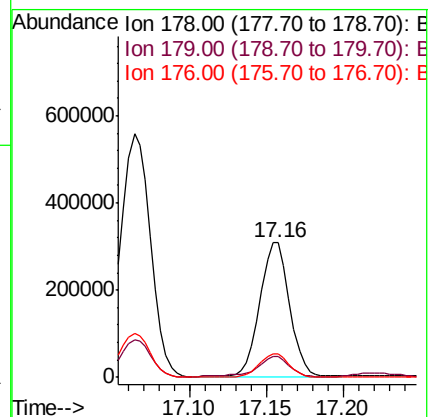
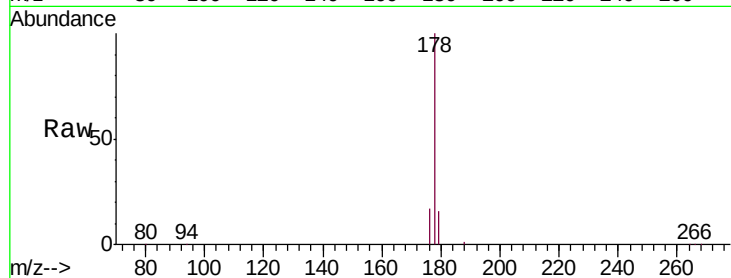
Tgt Ion:178 Resp: 412381

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

176 17.5 14.5 21.7



#15

Fluoranthene

Concen: 18.736 ng/ul

RT: 19.08 min Scan# 5159

Delta R.T. -0.00 min

Lab File: BM025561.D

Acq: 14 Mar 2020 03:51

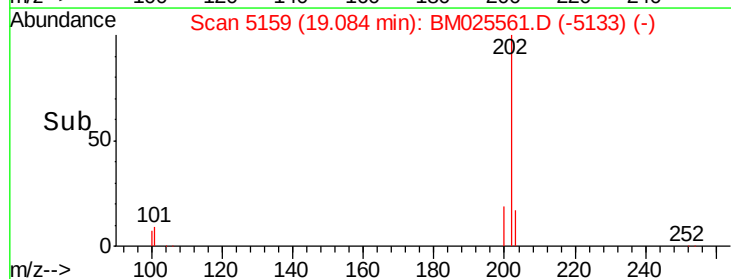
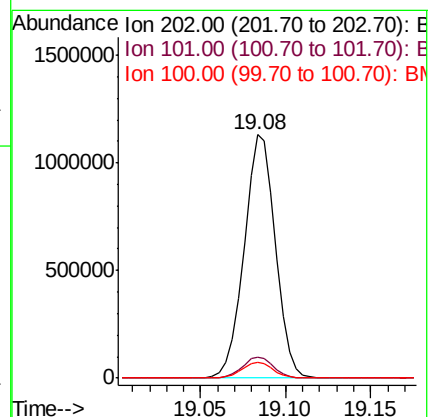
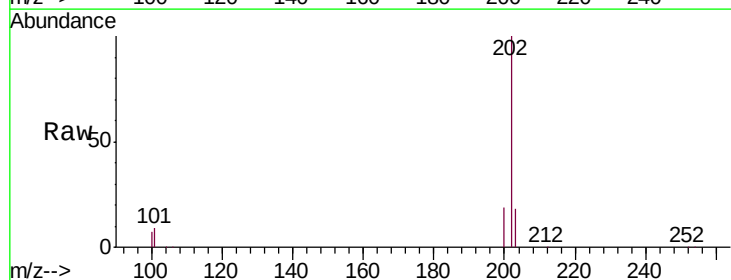
Tgt Ion:202 Resp: 1449508

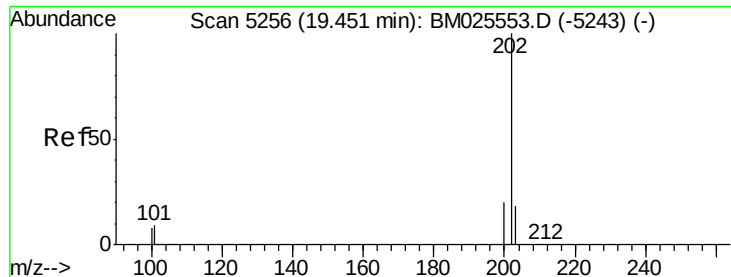
Ion Ratio Lower Upper

202 100

101 8.7 0.0 27.5

100 6.7 0.0 26.0

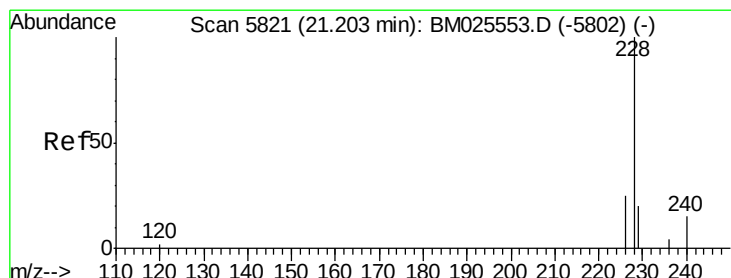
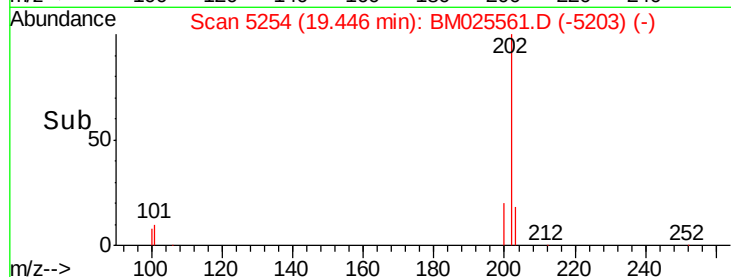
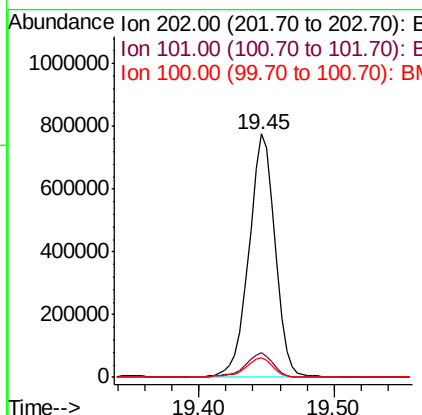
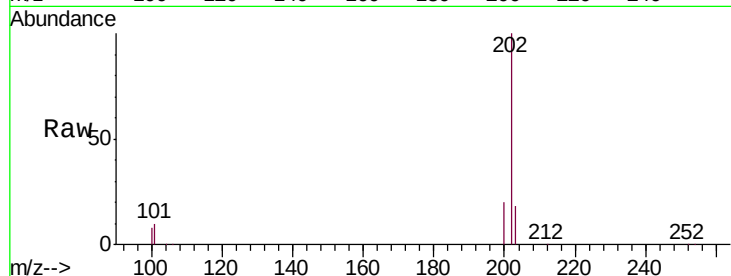




#17
Pyrene
 Concen: 13.964 ng/ul
 RT: 19.45 min Scan# 5254
 Delta R.T. -0.01 min
 Lab File: BM025561.D
 Acq: 14 Mar 2020 03:51

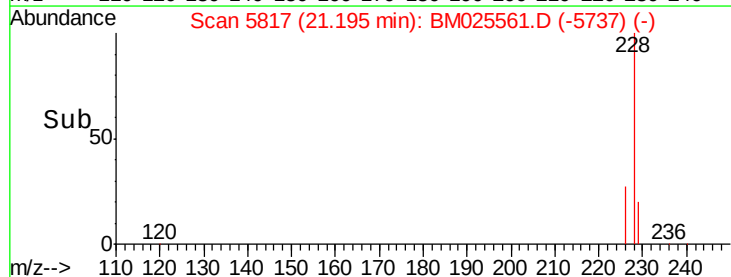
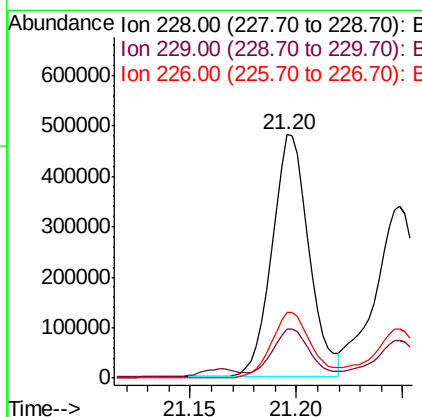
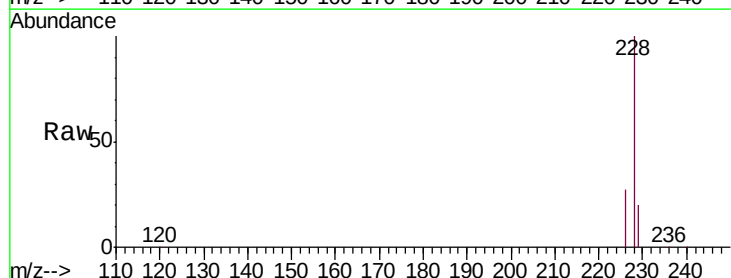
Instrument :
 BNA_M
 ClientSampleId :
 C0AC2

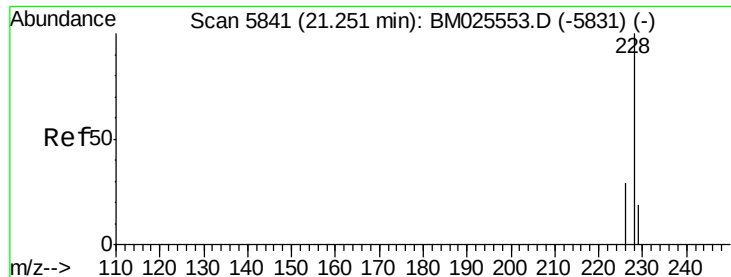
Tgt Ion:202 Resp: 1028391
 Ion Ratio Lower Upper
 202 100
 101 10.0 7.1 10.7
 100 8.1 6.0 9.0



#18
Benzo(a)anthracene
 Concen: 9.930 ng/ul
 RT: 21.20 min Scan# 5817
 Delta R.T. -0.01 min
 Lab File: BM025561.D
 Acq: 14 Mar 2020 03:51

Tgt Ion:228 Resp: 582544
 Ion Ratio Lower Upper
 228 100
 229 20.2 15.6 23.4
 226 27.0 21.1 31.7





#19

Chrysene

Concen: 7.246 ng/ul

RT: 21.25 min Scan# 5839

Delta R.T. -0.00 min

Lab File: BM025561.D

Acq: 14 Mar 2020 03:51

Instrument :

BNA_M

ClientSampleId :

C0AC2

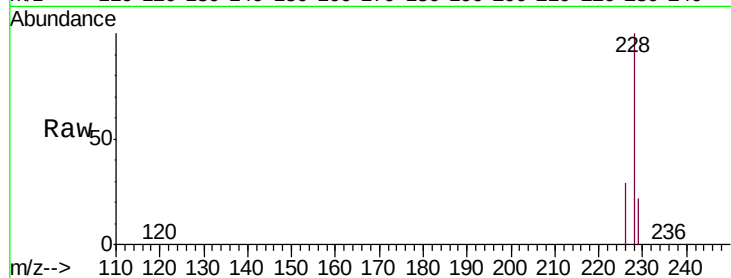
Tgt Ion:228 Resp: 477351

Ion Ratio Lower Upper

228 100

226 28.7 23.6 35.4

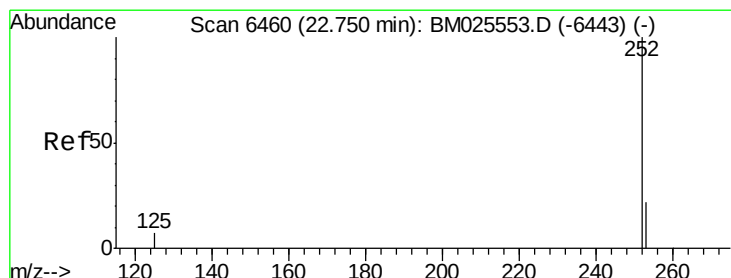
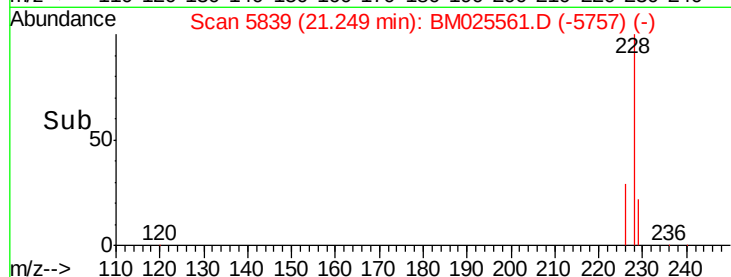
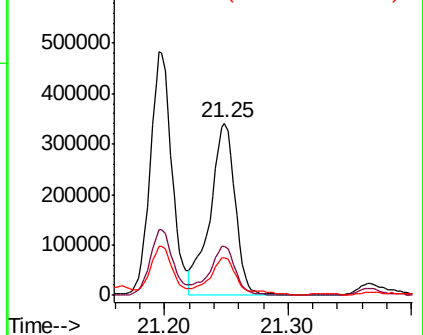
229 21.9 16.3 24.5



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: 11.554 ng/ul

RT: 22.75 min Scan# 6458

Delta R.T. -0.00 min

Lab File: BM025561.D

Acq: 14 Mar 2020 03:51

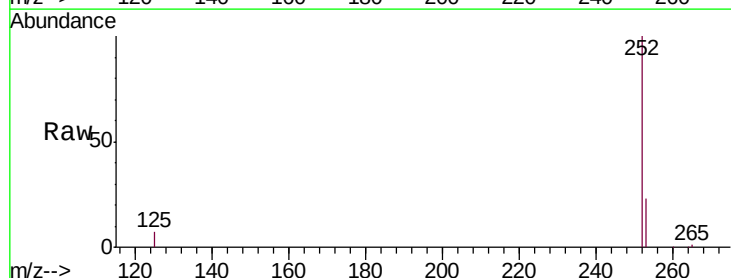
Tgt Ion:252 Resp: 824710

Ion Ratio Lower Upper

252 100

253 22.9 0.0 50.2

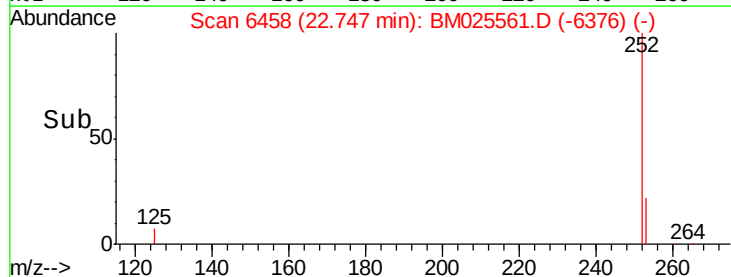
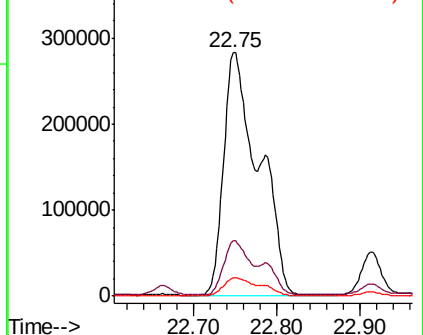
125 7.4 0.0 17.6

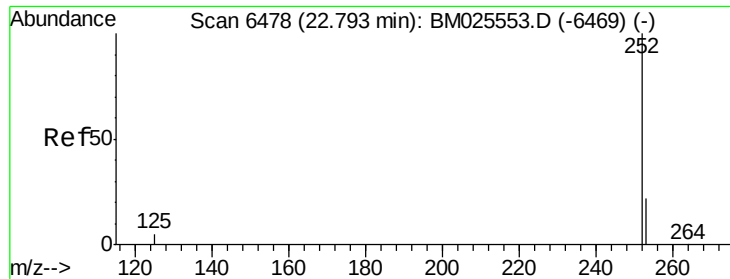


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 11.028 ng/ul

RT: 22.75 min Scan# 6458

Delta R.T. -0.05 min

Lab File: BM025561.D

Acq: 14 Mar 2020 03:51

Instrument :

BNA_M

ClientSampleId :

C0AC2

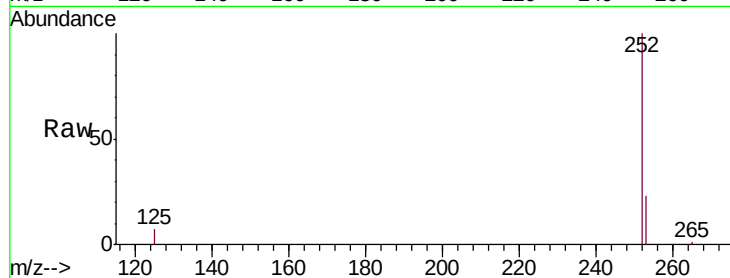
Tgt Ion:252 Resp: 824710

Ion Ratio Lower Upper

252 100

253 22.9 19.8 29.8

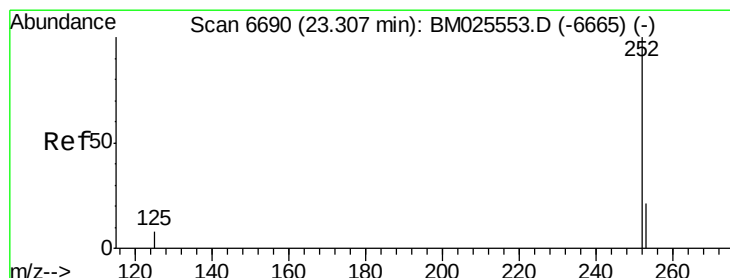
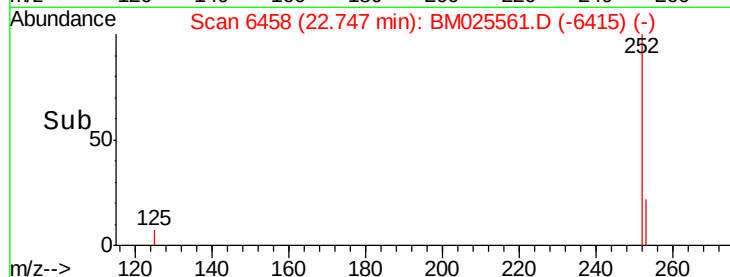
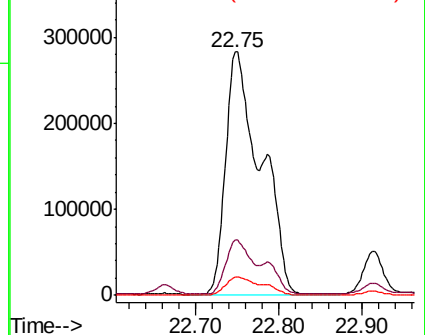
125 7.4 7.1 10.7



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: 6.245 ng/ul

RT: 23.30 min Scan# 6687

Delta R.T. -0.00 min

Lab File: BM025561.D

Acq: 14 Mar 2020 03:51

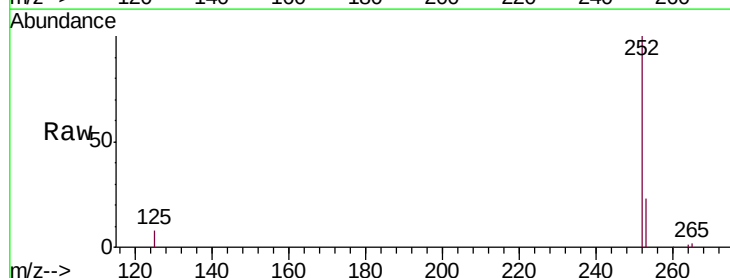
Tgt Ion:252 Resp: 370175

Ion Ratio Lower Upper

252 100

253 22.6 21.3 31.9

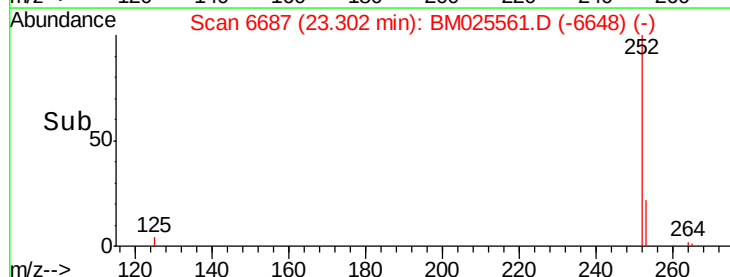
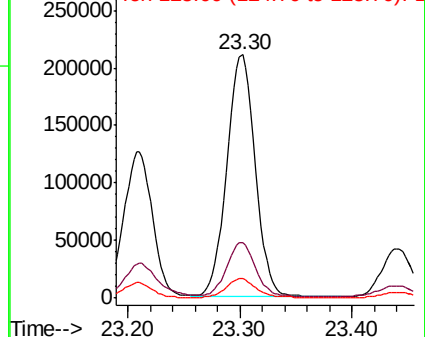
125 7.9 8.5 12.7#

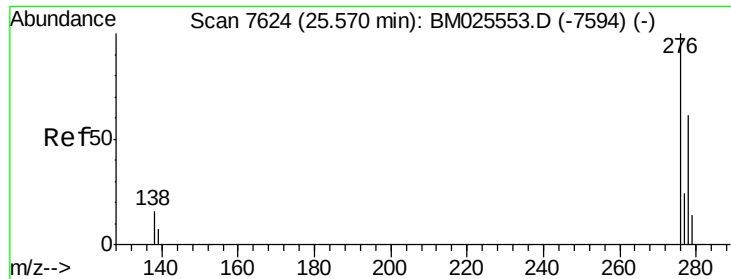


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



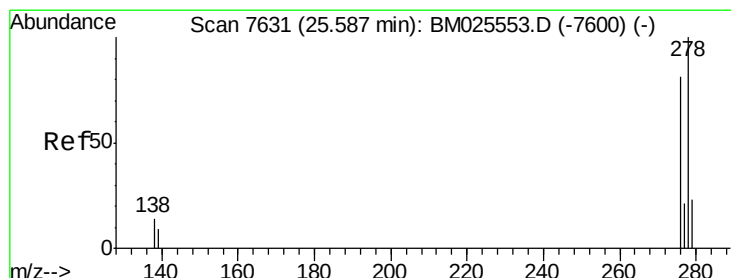
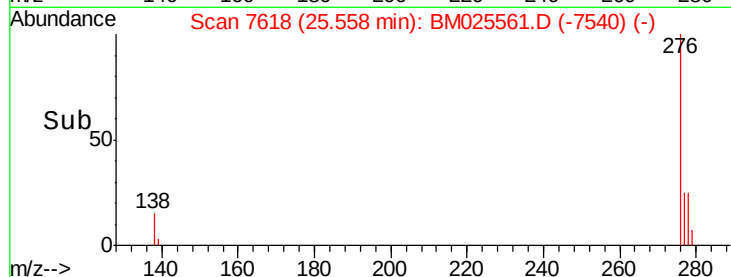
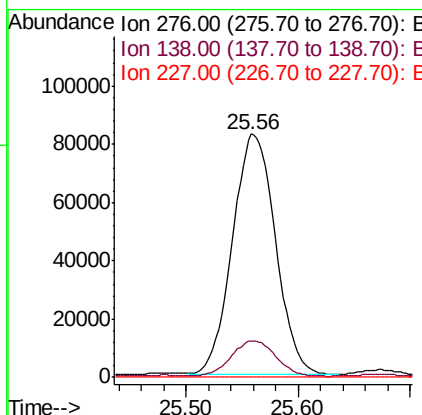
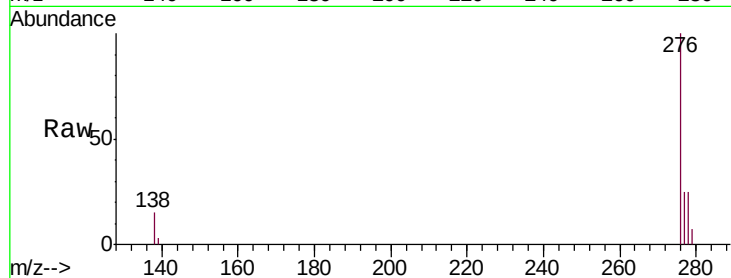


#24

Indeno(1,2,3-cd)pyrene
Concen: 2.746 ng/ul
RT: 25.56 min Scan# 7618
Delta R.T. -0.01 min
Lab File: BM025561.D
Acq: 14 Mar 2020 03:51

Instrument :
BNA_M
ClientSampleId :
C0AC2

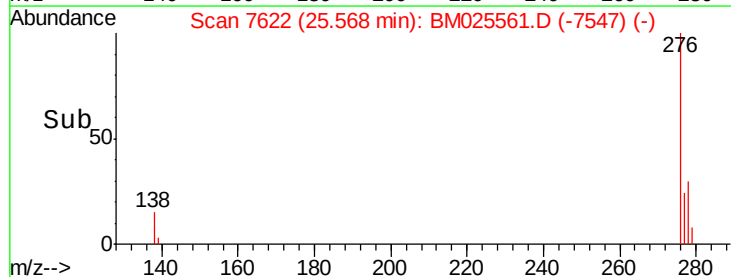
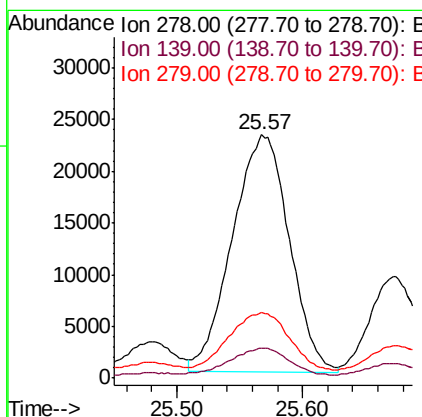
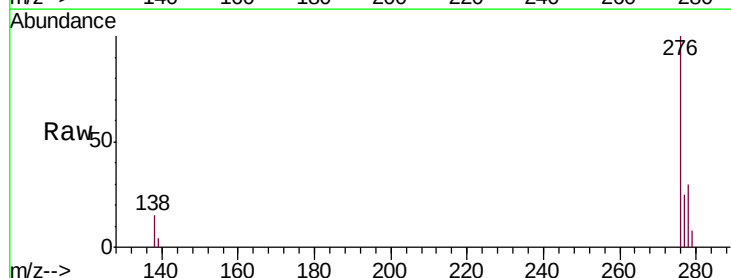
Tgt Ion:276 Resp: 220822
Ion Ratio Lower Upper
276 100
138 15.5 12.3 18.5
227 0.0 0.0 0.0

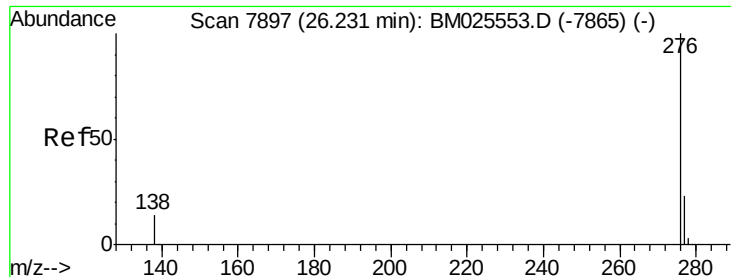


#25

Dibenzo(a,h)anthracene
Concen: 1.071 ng/ul
RT: 25.57 min Scan# 7622
Delta R.T. -0.02 min
Lab File: BM025561.D
Acq: 14 Mar 2020 03:51

Tgt Ion:278 Resp: 72440
Ion Ratio Lower Upper
278 100
139 12.1 9.0 13.6
279 27.2 21.1 31.7





#26

Benzo(g,h,i)perylene

Concen: 1.972 ng/ul

RT: 26.22 min Scan# 7890

Delta R.T. -0.01 min

Lab File: BM025561.D

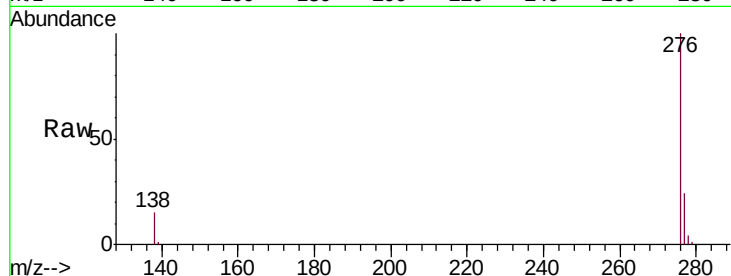
Acq: 14 Mar 2020 03:51

Instrument :

BNA_M

ClientSampleId :

C0AC2



Tgt Ion: 276 Resp: 137546

Ion Ratio Lower Upper

276 100

138 15.2 11.0 16.4

277 24.3 19.8 29.6

