

Data File : BM025557.D
Acq On : 14 Mar 2020 01:27
Operator : CG/JU
Sample : L1786-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC3

Quant Time: Mar 16 06:47:35 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	7.66	152	4180	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	18190	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	11843	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	21838	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	17462	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	19951	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	2957	0.09	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	5652	0.09	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.47	128	107450	1.995	ng/ul	98
5) 2-Methylnaphthalene	12.09	142	64098	1.665	ng/ul	100
7) Acenaphthylene	14.00	152	99917	2.065	ng/ul#	86
8) Acenaphthene	14.34	153	93015	2.192	ng/ul	99
9) Fluorene	15.33	166	248631	4.808	ng/ul	100
12) Phenanthrene	17.07	178	1164234	16.823	ng/ul	99
13) Anthracene	17.16	178	1102087	18.299	ng/ul	99
15) Fluoranthene	19.09	202	2142079	28.553	ng/ul	98
17) Pyrene	19.45	202	1529097	19.510	ng/ul	98
18) Benzo(a)anthracene	21.20	228	933027	14.945	ng/ul	97
19) Chrysene	21.25	228	778377	11.103	ng/ul	97
21) Benzo(b)fluoranthene	22.75	252	1345124	17.026	ng/ul	95
22) Benzo(k)fluoranthene	22.75	252	1345124	16.250	ng/ul	96
23) Benzo(a)pyrene	23.30	252	640740	9.767	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.56	276	379913	4.268	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.57	278	121617	1.624	ng/ul	99
26) Benzo(g,h,i)perylene	26.22	276	243967	3.160	ng/ul	98

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

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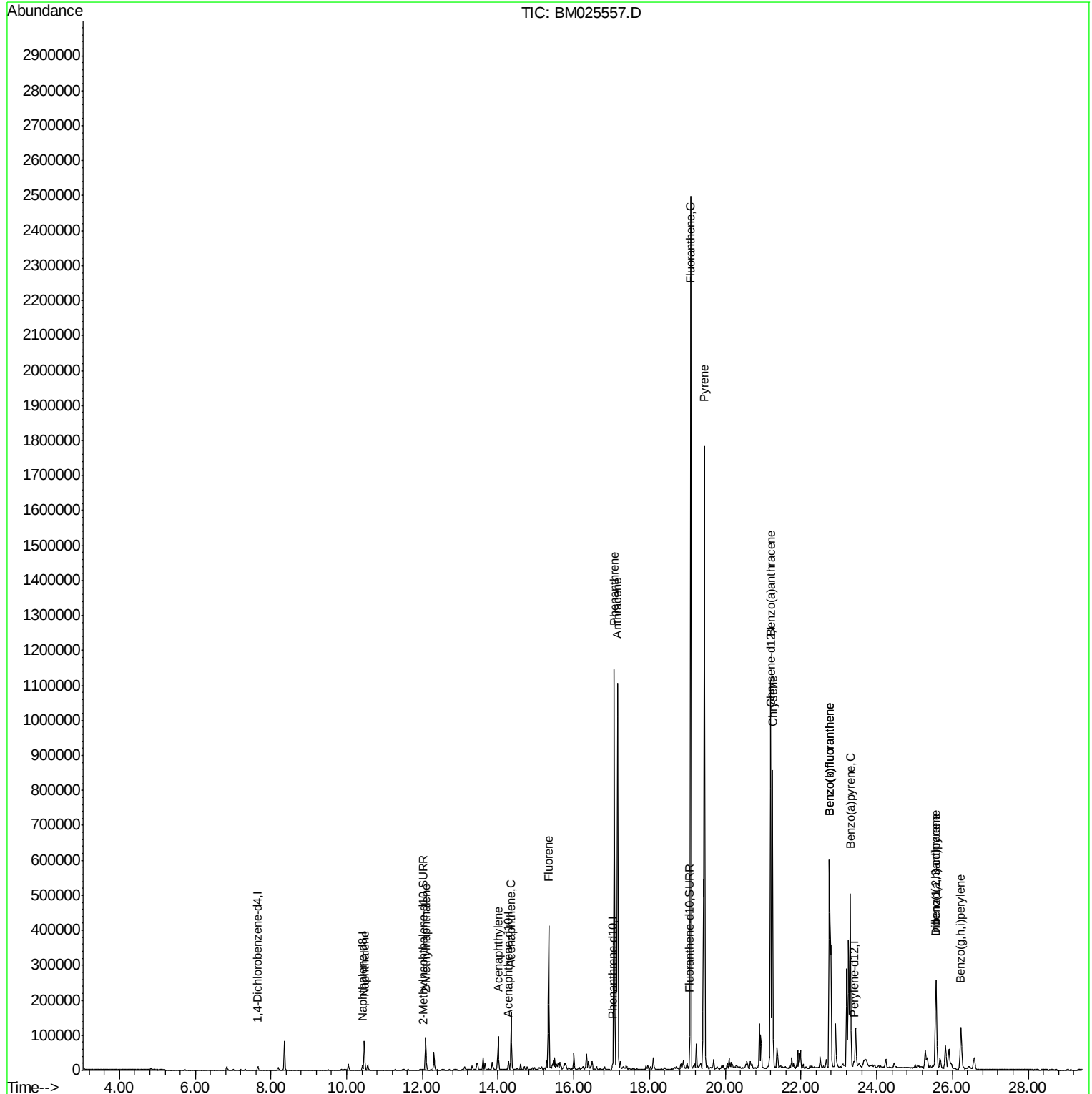
Quant Time: Mar 16 06:47:35 2020

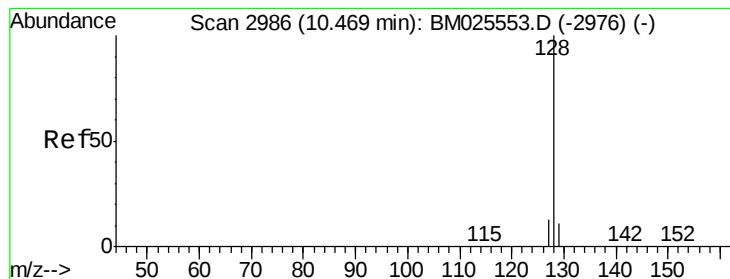
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030920.M

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: 1.995 ng/ul

RT: 10.47 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BM025557.D

Acq: 14 Mar 2020 01:27

Instrument :

BNA_M

ClientSampleId :

C0AC3

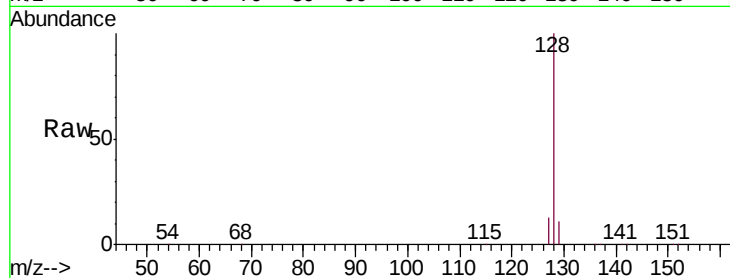
Tgt Ion:128 Resp: 107450

Ion Ratio Lower Upper

128 100

129 11.0 9.4 14.0

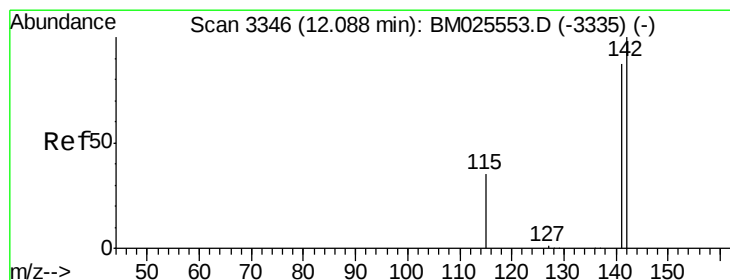
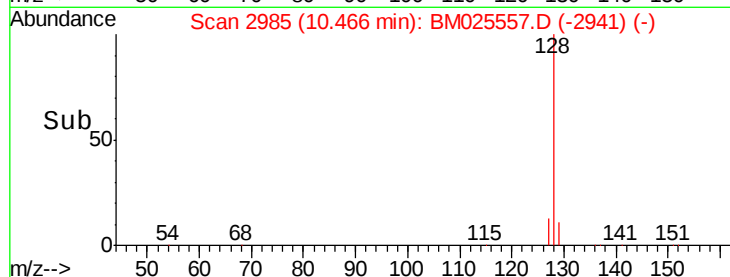
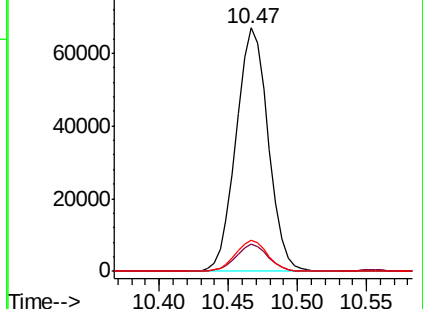
127 12.9 10.9 16.3



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: 1.665 ng/ul

RT: 12.09 min Scan# 3345

Delta R.T. -0.00 min

Lab File: BM025557.D

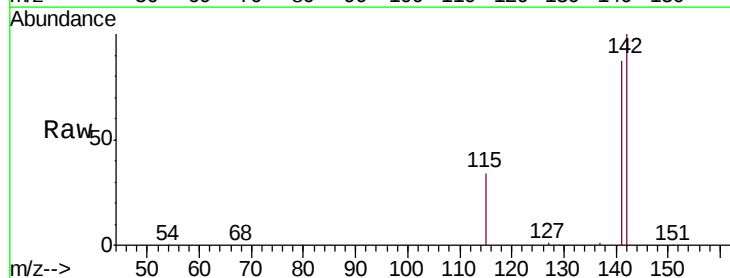
Acq: 14 Mar 2020 01:27

Tgt Ion:142 Resp: 64098

Ion Ratio Lower Upper

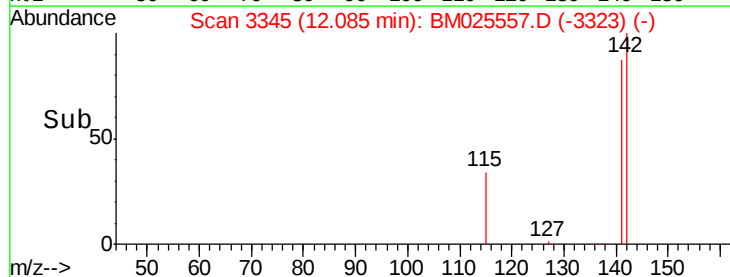
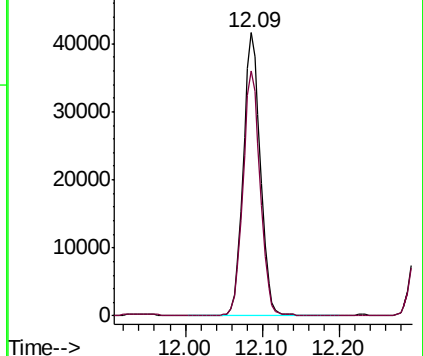
142 100

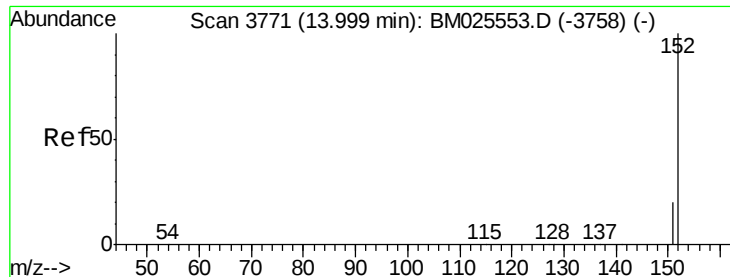
141 87.5 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.065 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. 0.00 min

Lab File: BM025557.D

Acq: 14 Mar 2020 01:27

Instrument :

BNA_M

ClientSampleId :

C0AC3

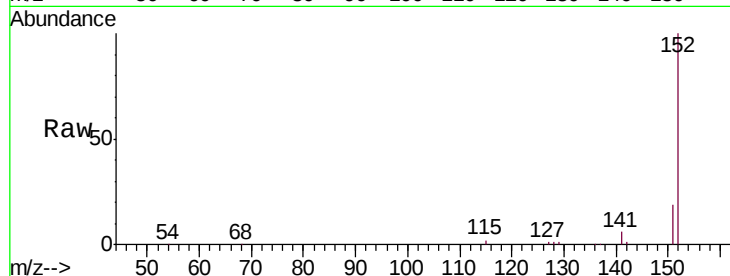
Tgt Ion:152 Resp: 99917

Ion Ratio Lower Upper

152 100

151 19.4 16.2 24.2

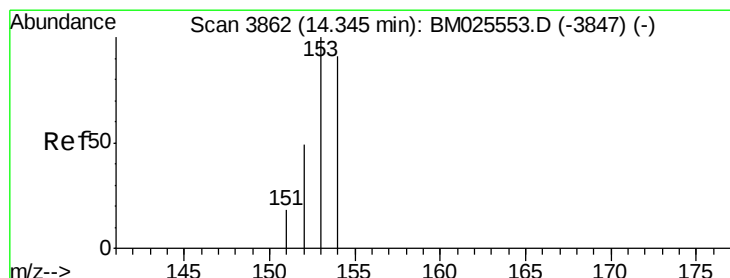
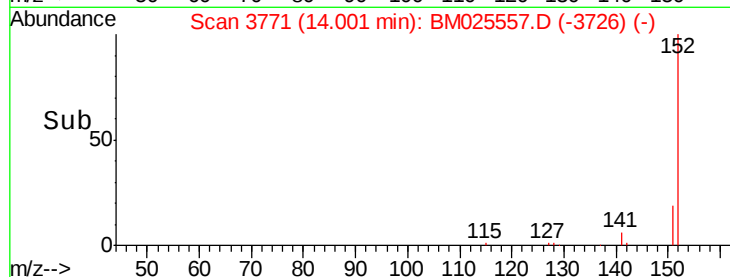
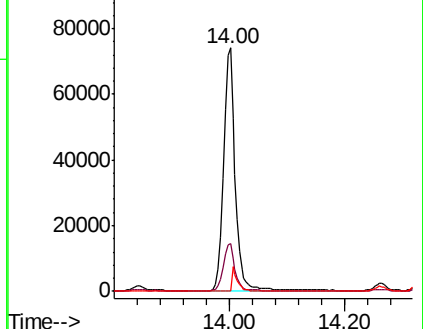
153 0.0 10.6 16.0#



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: 2.192 ng/ul

RT: 14.34 min Scan# 3861

Delta R.T. -0.00 min

Lab File: BM025557.D

Acq: 14 Mar 2020 01:27

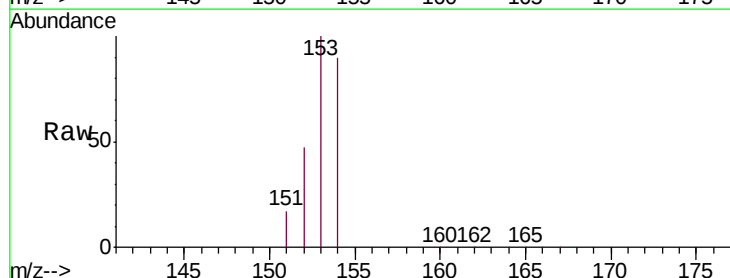
Tgt Ion:153 Resp: 93015

Ion Ratio Lower Upper

153 100

152 47.3 39.5 59.3

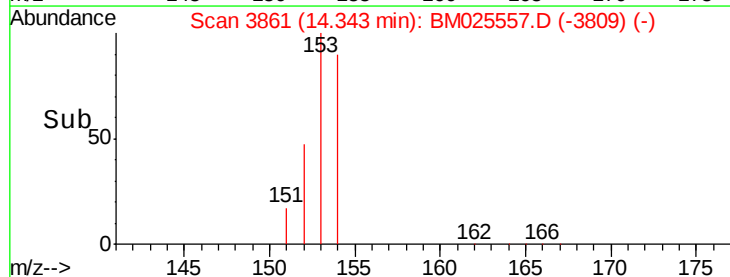
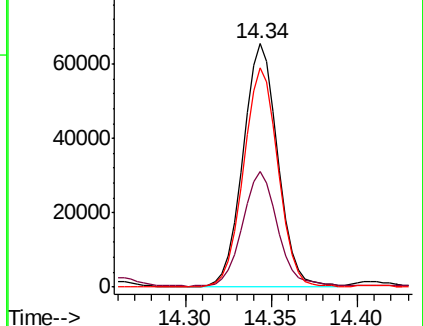
154 90.1 71.7 107.5

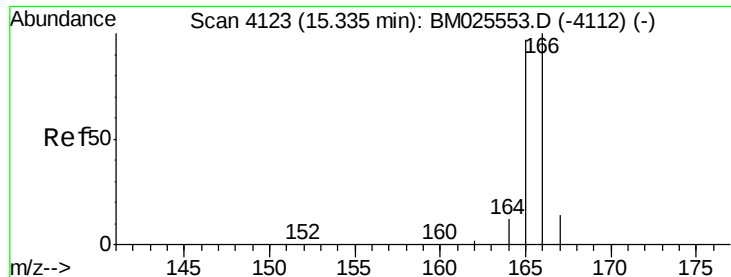


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

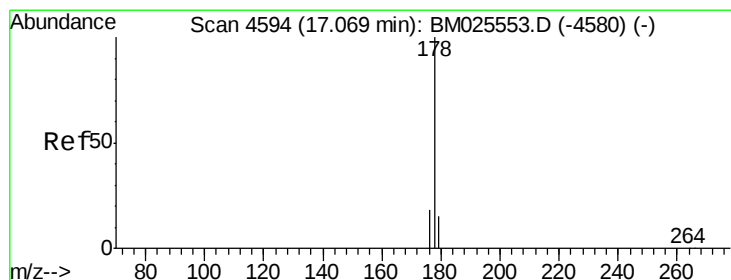
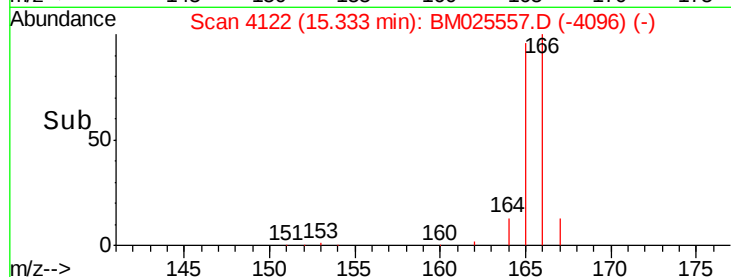
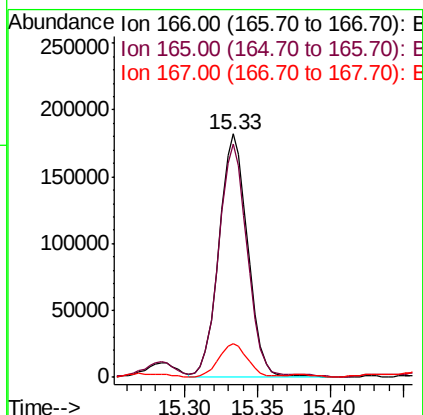
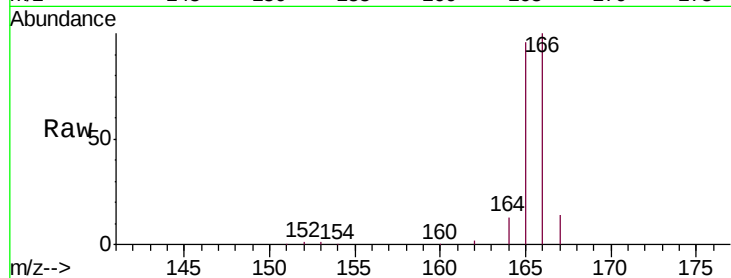




#9
Fluorene
 Concen: 4.808 ng/ul
 RT: 15.33 min Scan# 4122
 Delta R.T. -0.00 min
 Lab File: BM025557.D
 Acq: 14 Mar 2020 01:27

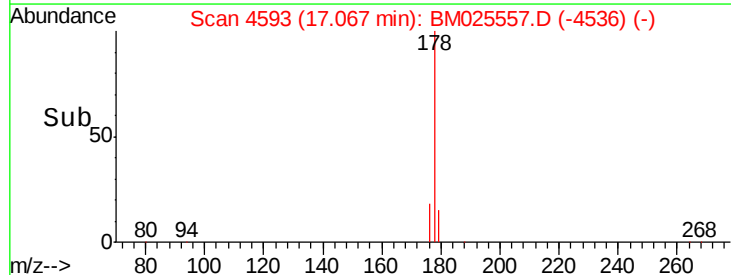
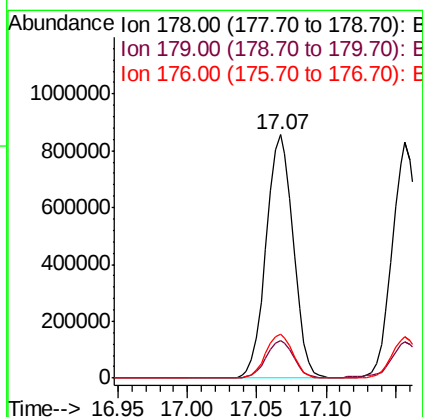
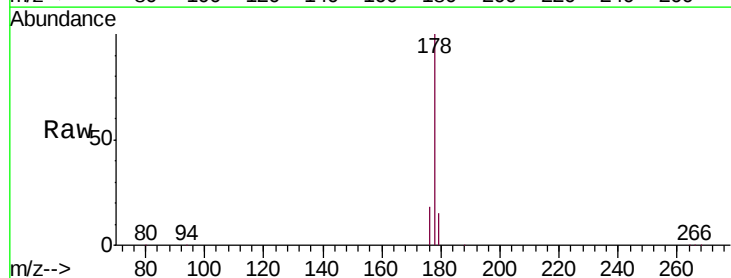
Instrument :
 BNA_M
 ClientSampleId :
 C0AC3

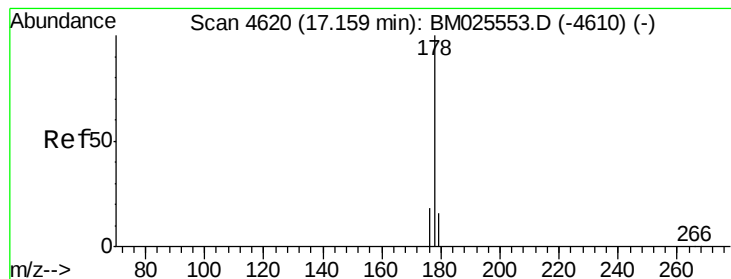
Tgt Ion:166 Resp: 248631
 Ion Ratio Lower Upper
 166 100
 165 95.8 76.8 115.2
 167 13.9 11.2 16.8



#12
Phenanthrene
 Concen: 16.823 ng/ul
 RT: 17.07 min Scan# 4593
 Delta R.T. -0.00 min
 Lab File: BM025557.D
 Acq: 14 Mar 2020 01:27

Tgt Ion:178 Resp: 1164234
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.4 18.6
 176 18.1 14.8 22.2





#13

Anthracene

Concen: 18.299 ng/ul

RT: 17.16 min Scan# 4619

Delta R.T. -0.00 min

Lab File: BM025557.D

Acq: 14 Mar 2020 01:27

Instrument :

BNA_M

ClientSampleId :

C0AC3

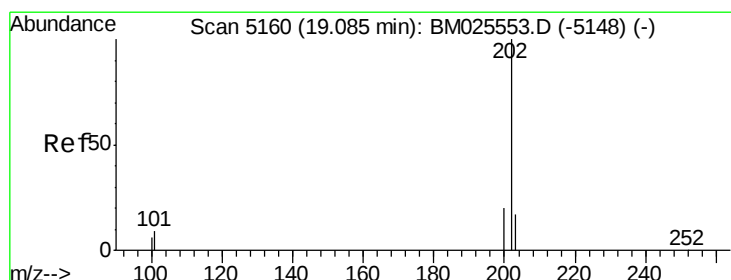
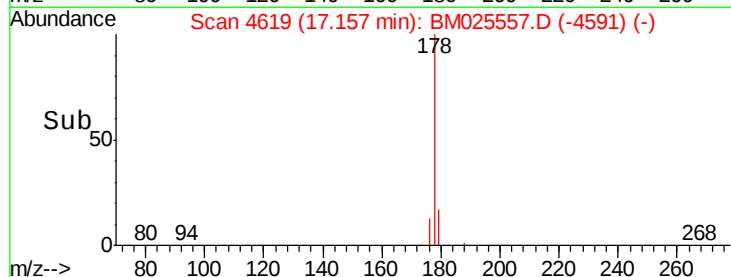
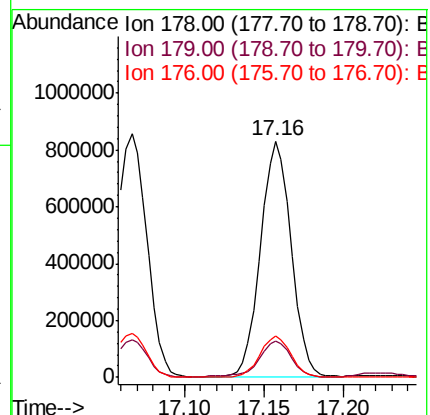
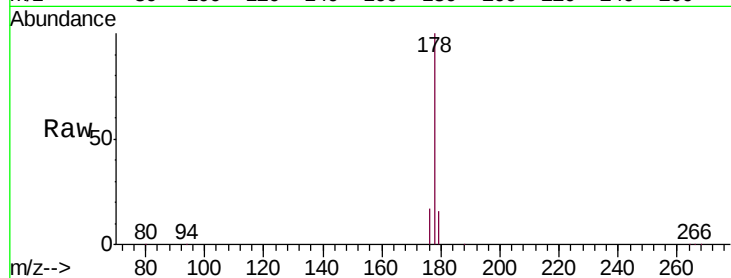
Tgt Ion:178 Resp: 1102087

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

176 17.4 14.5 21.7



#15

Fluoranthene

Concen: 28.553 ng/ul

RT: 19.09 min Scan# 5160

Delta R.T. 0.00 min

Lab File: BM025557.D

Acq: 14 Mar 2020 01:27

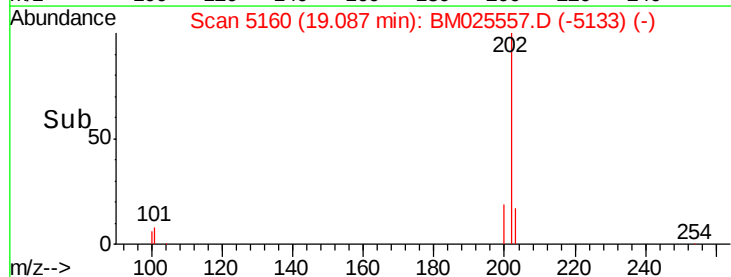
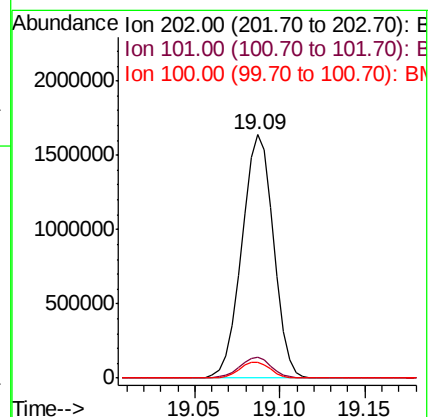
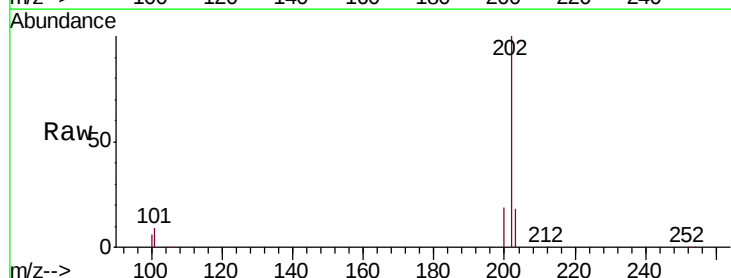
Tgt Ion:202 Resp: 2142079

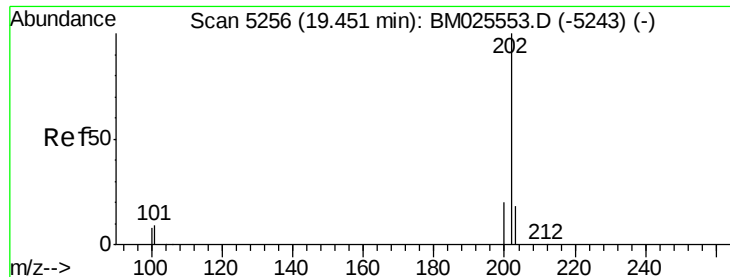
Ion Ratio Lower Upper

202 100

101 8.6 0.0 27.5

100 6.5 0.0 26.0





#17

Pyrene

Concen: 19.510 ng/ul

RT: 19.45 min Scan# 5255

Delta R.T. -0.00 min

Lab File: BM025557.D

Acq: 14 Mar 2020 01:27

Instrument :

BNA_M

ClientSampleId :

C0AC3

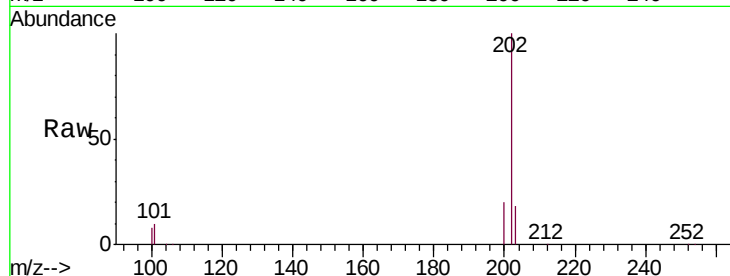
Tgt Ion:202 Resp: 1529097

Ion Ratio Lower Upper

202 100

101 9.9 7.1 10.7

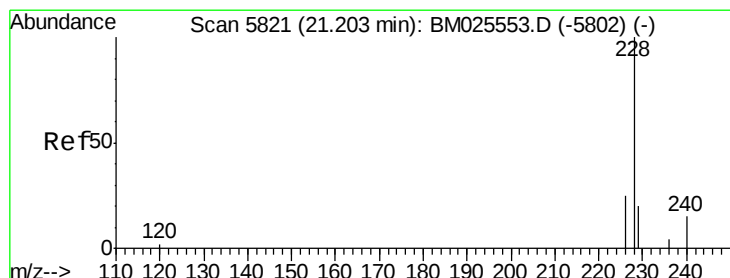
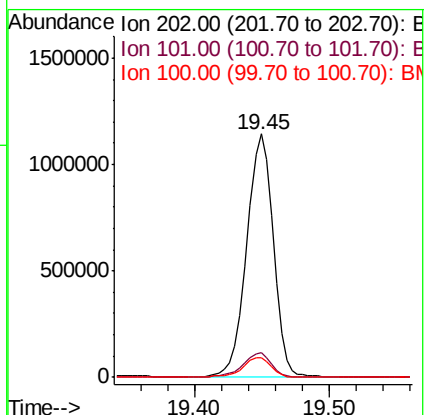
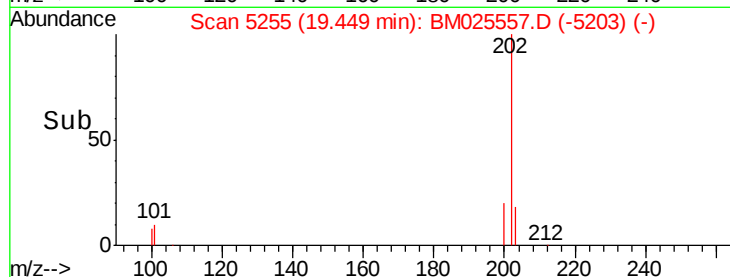
100 8.1 6.0 9.0



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: 14.945 ng/ul

RT: 21.20 min Scan# 5819

Delta R.T. -0.00 min

Lab File: BM025557.D

Acq: 14 Mar 2020 01:27

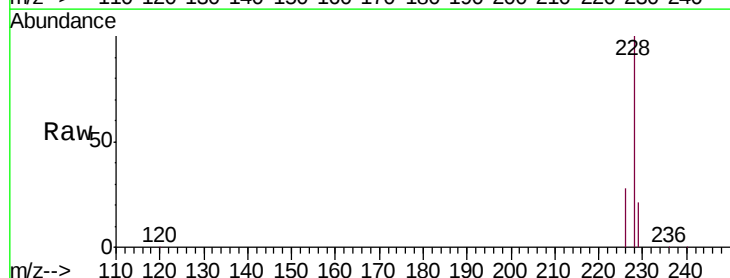
Tgt Ion:228 Resp: 933027

Ion Ratio Lower Upper

228 100

229 20.5 15.6 23.4

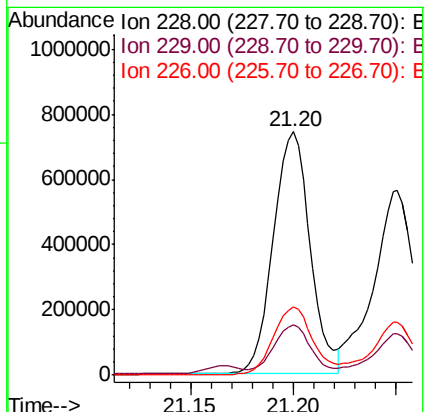
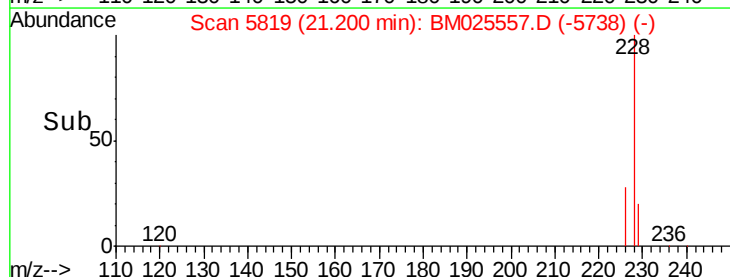
226 28.1 21.1 31.7

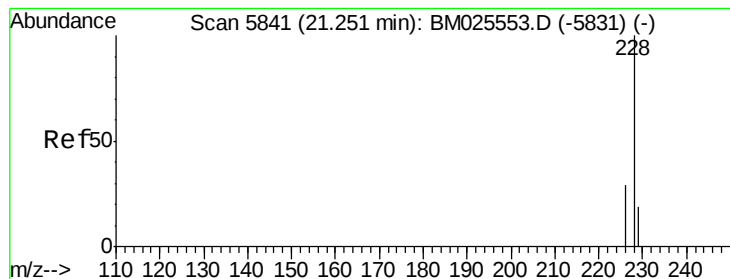


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 11.103 ng/ul

RT: 21.25 min Scan# 5840

Delta R.T. -0.00 min

Lab File: BM025557.D

Acq: 14 Mar 2020 01:27

Instrument :

BNA_M

ClientSampleId :

C0AC3

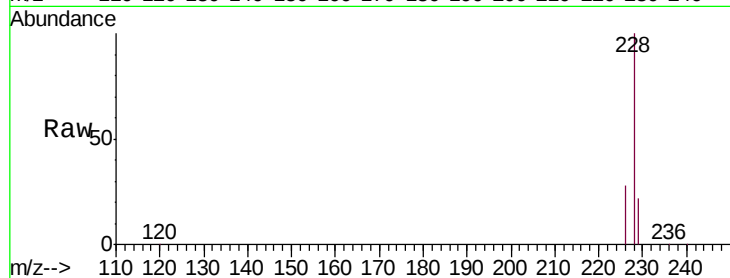
Tgt Ion:228 Resp: 778377

Ion Ratio Lower Upper

228 100

226 28.5 23.6 35.4

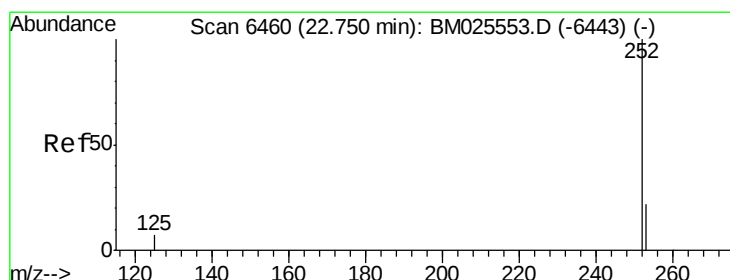
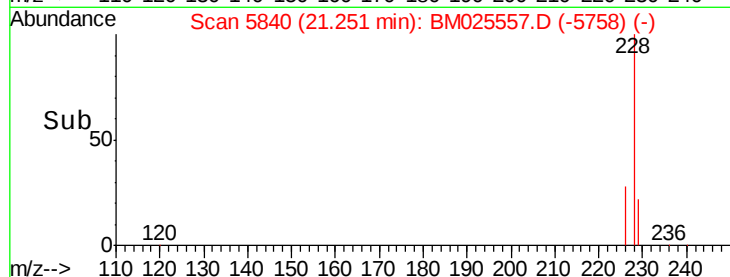
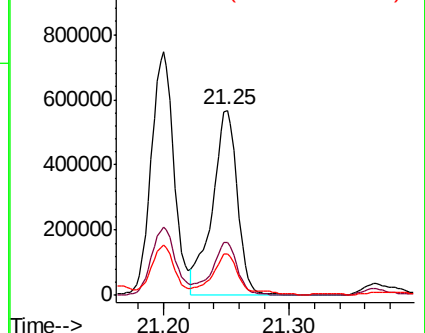
229 22.2 16.3 24.5



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: 17.026 ng/ul

RT: 22.75 min Scan# 6460

Delta R.T. 0.00 min

Lab File: BM025557.D

Acq: 14 Mar 2020 01:27

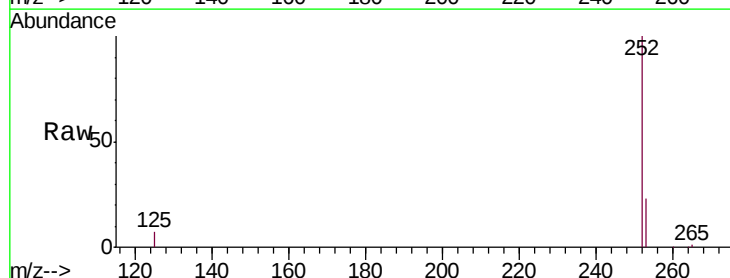
Tgt Ion:252 Resp: 1345124

Ion Ratio Lower Upper

252 100

253 22.7 0.0 50.2

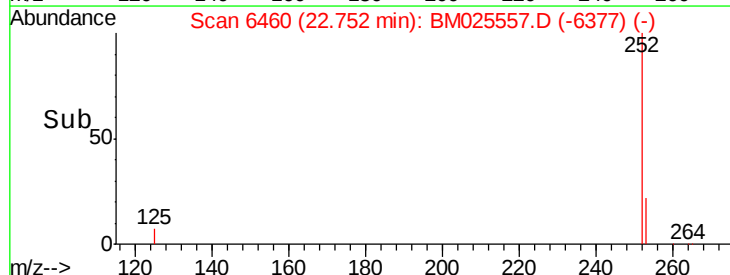
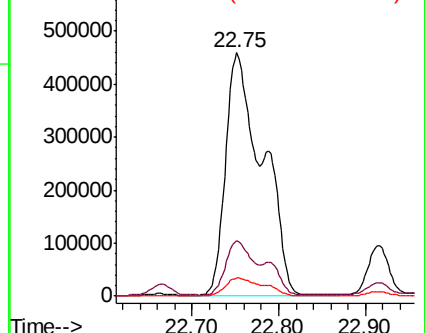
125 7.4 0.0 17.6

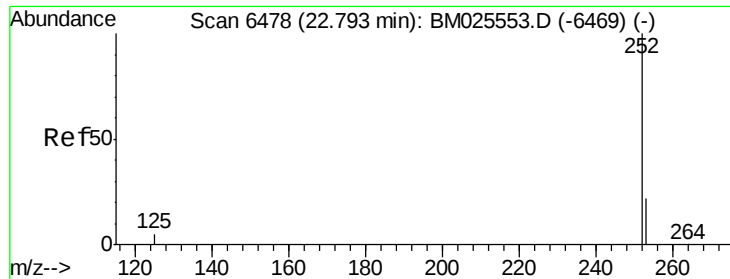


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 16.250 ng/ul

RT: 22.75 min Scan# 6460

Delta R.T. -0.04 min

Lab File: BM025557.D

Acq: 14 Mar 2020 01:27

Instrument :

BNA_M

ClientSampleId :

C0AC3

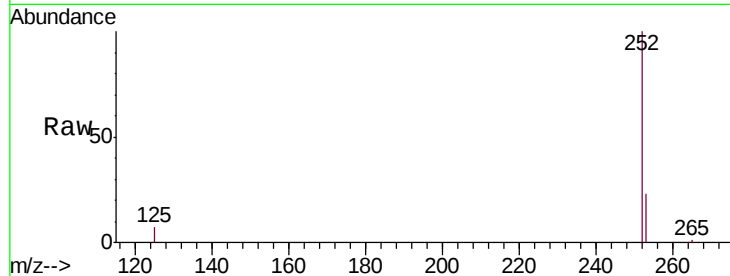
Tgt Ion:252 Resp: 1345124

Ion Ratio Lower Upper

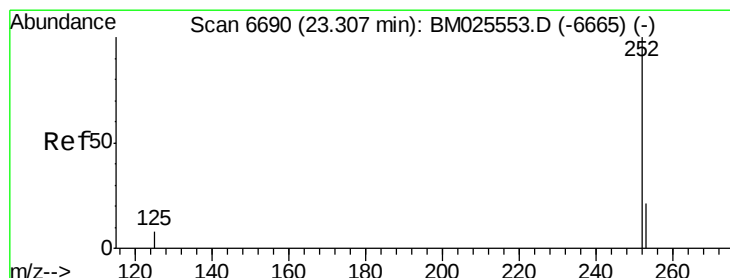
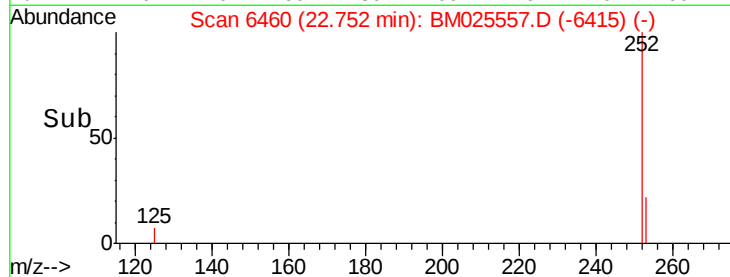
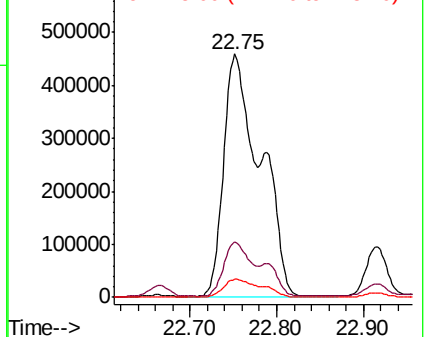
252 100

253 22.7 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: 9.767 ng/ul

RT: 23.30 min Scan# 6688

Delta R.T. -0.00 min

Lab File: BM025557.D

Acq: 14 Mar 2020 01:27

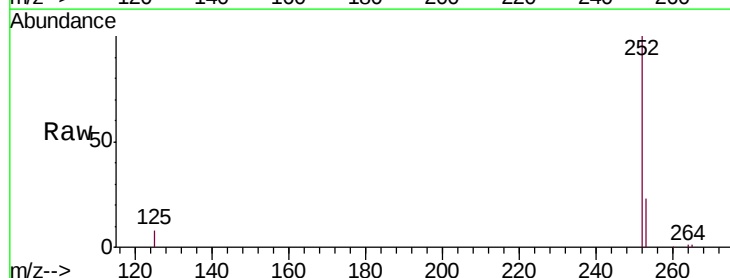
Tgt Ion:252 Resp: 640740

Ion Ratio Lower Upper

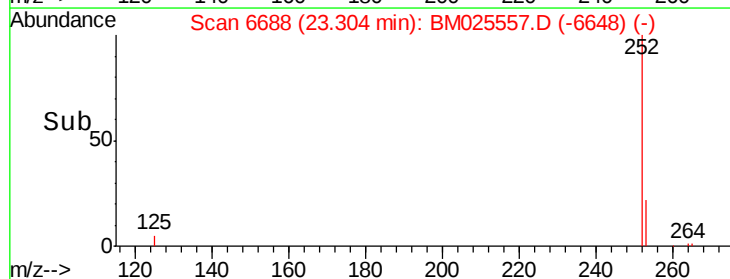
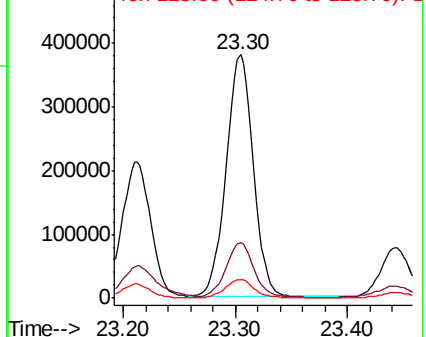
252 100

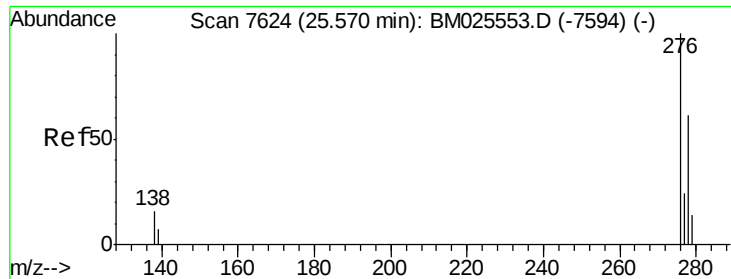
253 22.7 21.3 31.9

125 7.7 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



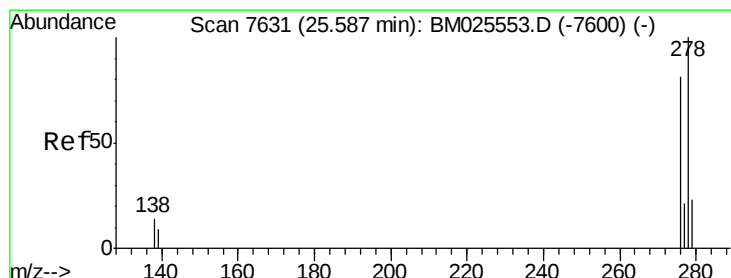
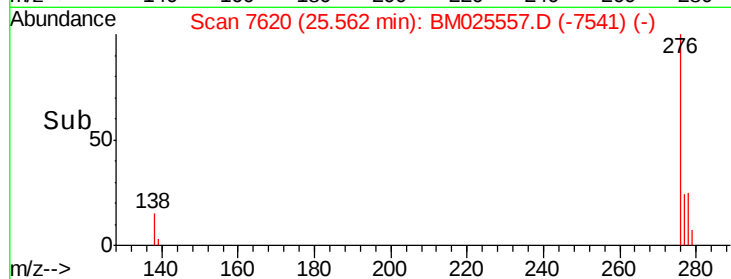
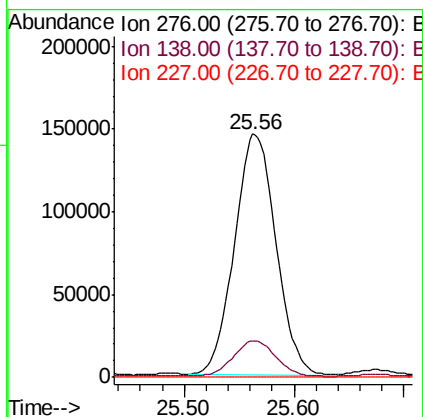
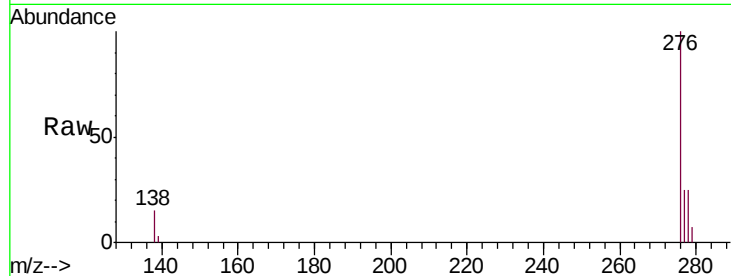


#24

Indeno(1,2,3-cd)pyrene
Concen: 4.268 ng/ul
RT: 25.56 min Scan# 7620
Delta R.T. -0.01 min
Lab File: BM025557.D
Acq: 14 Mar 2020 01:27

Instrument :
BNA_M
ClientSampleId :
C0AC3

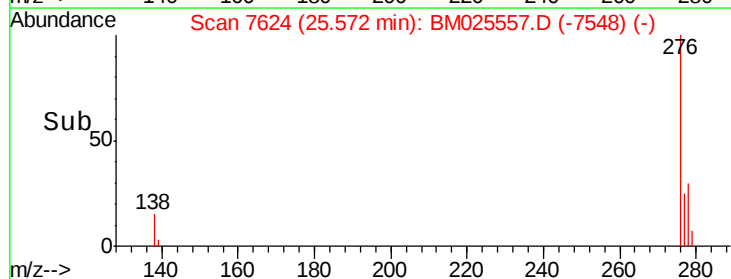
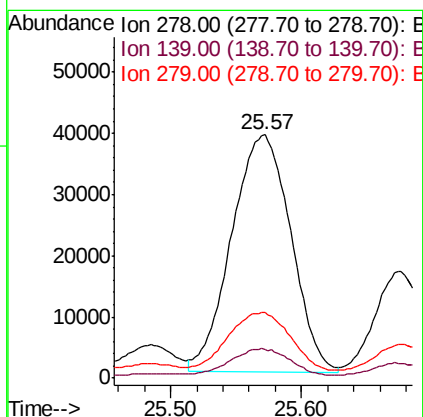
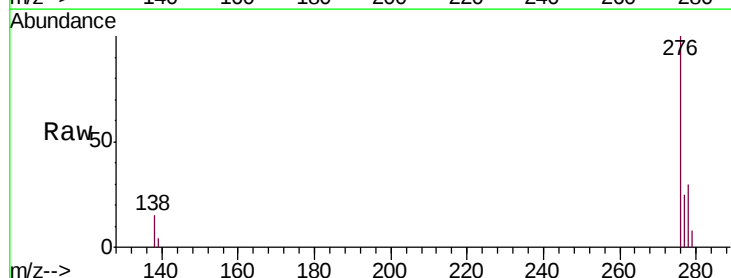
Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.3	12.3	18.5
227	0.0	0.0	0.0

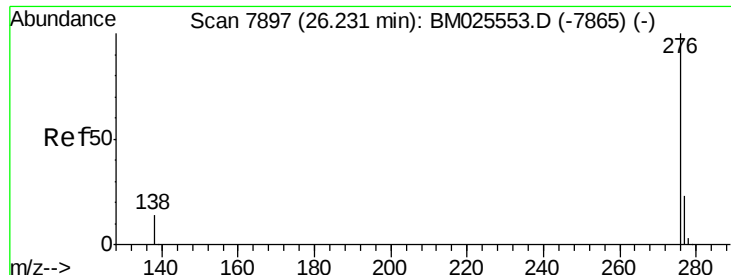


#25

Dibenzo(a,h)anthracene
Concen: 1.624 ng/ul
RT: 25.57 min Scan# 7624
Delta R.T. -0.01 min
Lab File: BM025557.D
Acq: 14 Mar 2020 01:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.9	9.0	13.6
279	26.8	21.1	31.7





#26

Benzo(g,h,i)perylene

Concen: 3.160 ng/ul

RT: 26.22 min Scan# 7893

Delta R.T. -0.01 min

Lab File: BM025557.D

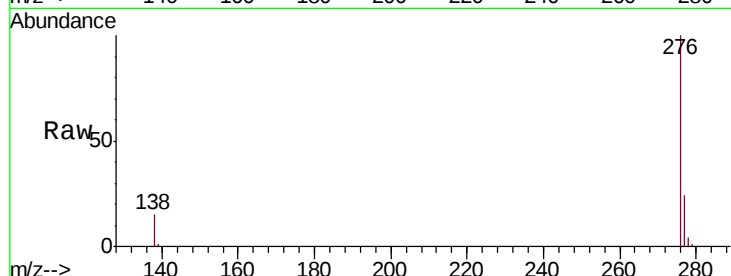
Acq: 14 Mar 2020 01:27

Instrument :

BNA_M

ClientSampleId :

C0AC3



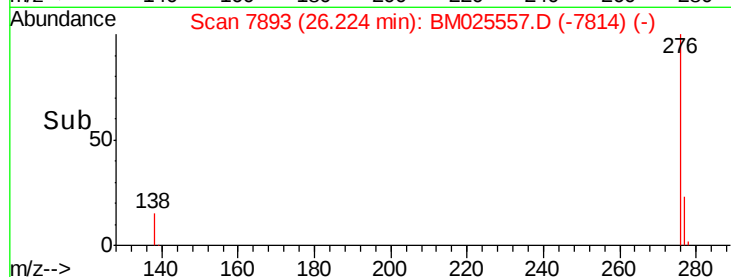
Tgt Ion: 276 Resp: 243967

Ion Ratio Lower Upper

276 100

138 15.1 11.0 16.4

277 24.2 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

