

Data File : BM025554.D
Acq On : 13 Mar 2020 23:38
Operator : CG/JU
Sample : L1786-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC5

Quant Time: Mar 16 06:46:48 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	2997	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	12763	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	10893	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	23170	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	22111	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	19575	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	987	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	3836	0.06	ng/ul	0.00

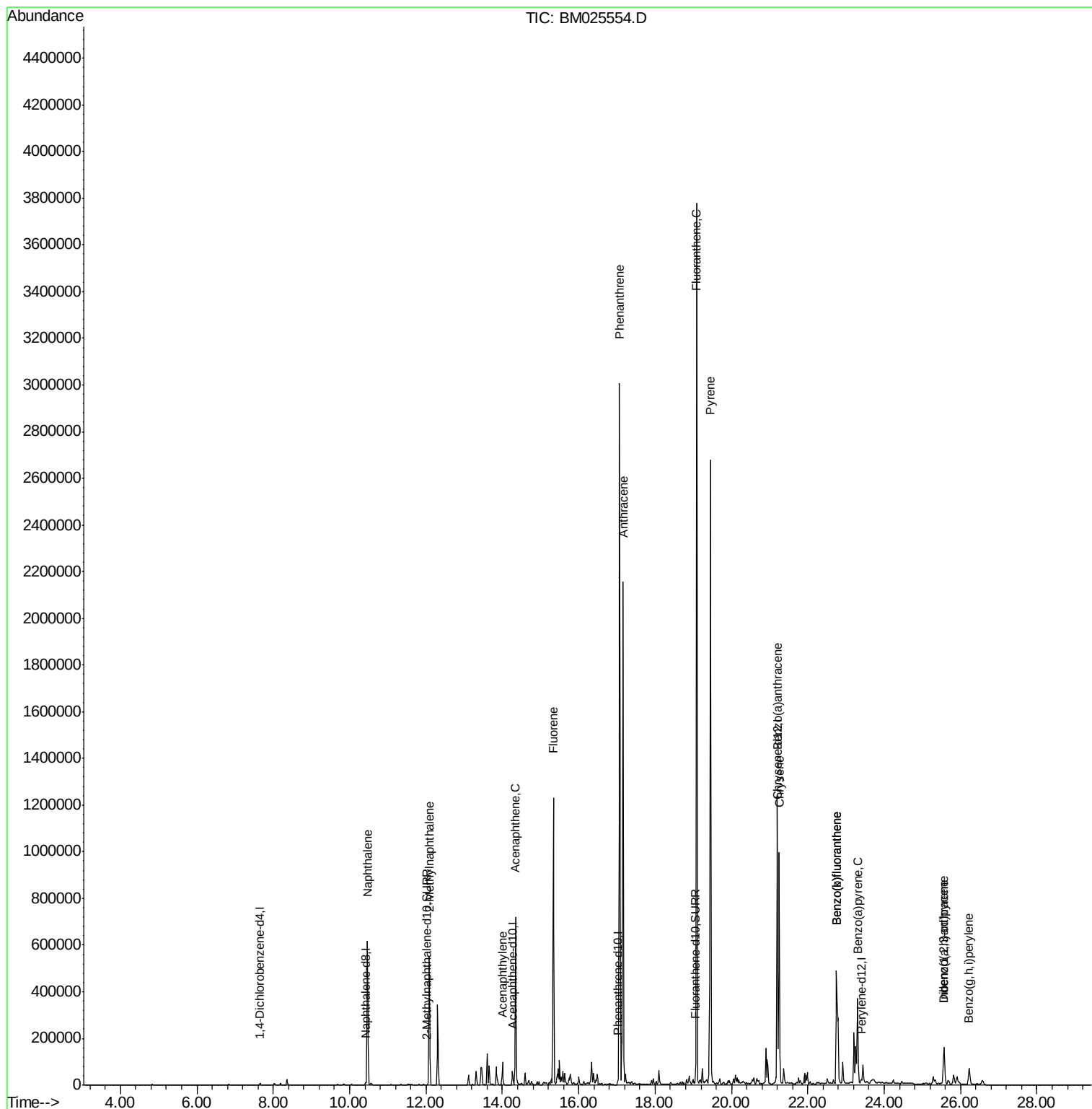
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.47	128	800570	21.189	ng/ul	98
5) 2-Methylnaphthalene	12.09	142	373100	13.816	ng/ul	100
7) Acenaphthylene	14.00	152	71907	1.616	ng/ul#	86
8) Acenaphthene	14.34	153	402503	10.311	ng/ul	98
9) Fluorene	15.33	166	756897	15.912	ng/ul	99
12) Phenanthrene	17.07	178	3165075	43.105	ng/ul	100
13) Anthracene	17.16	178	2213293	34.637	ng/ul	99
15) Fluoranthene	19.09	202	3319366	41.702	ng/ul	99
17) Pyrene	19.45	202	2257355	22.746	ng/ul	97
18) Benzo(a)anthracene	21.20	228	1047011	13.244	ng/ul	99
19) Chrysene	21.25	228	897980	10.115	ng/ul	98
21) Benzo(b)fluoranthene	22.75	252	1101020	14.204	ng/ul	95
22) Benzo(k)fluoranthene	22.75	252	1101020	13.557	ng/ul	96
23) Benzo(a)pyrene	23.30	252	483996	7.519	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.56	276	241158	2.762	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.57	278	79175	1.078	ng/ul	99
26) Benzo(g,h,i)perylene	26.22	276	146331	1.932	ng/ul	98

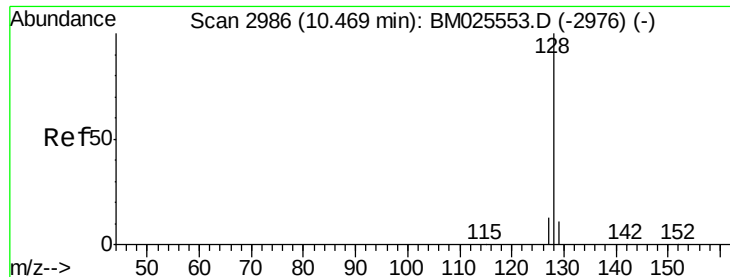
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 21.189 ng/ul

RT: 10.47 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BM025554.D

Acq: 13 Mar 2020 23:38

Instrument :

BNA_M

ClientSampleId :

C0AC5

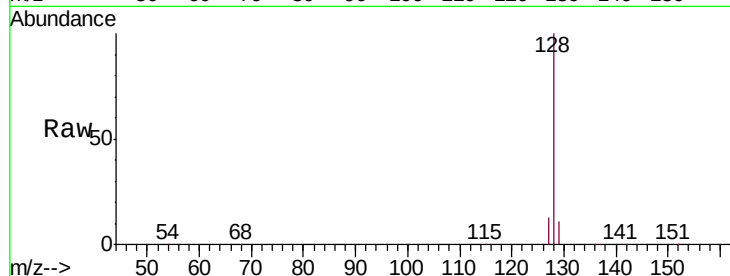
Tgt Ion:128 Resp: 800570

Ion Ratio Lower Upper

128 100

129 10.9 9.4 14.0

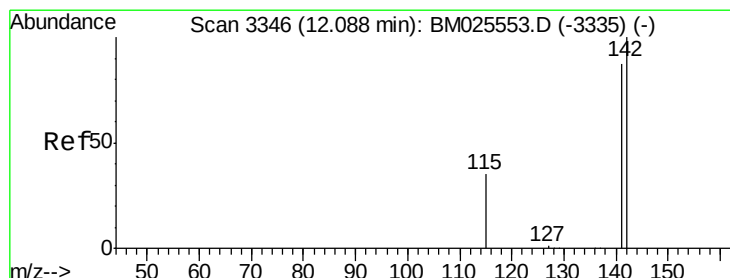
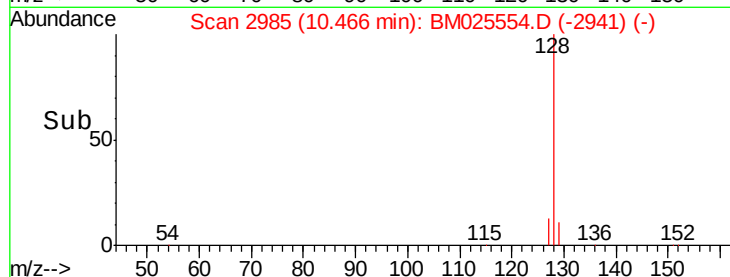
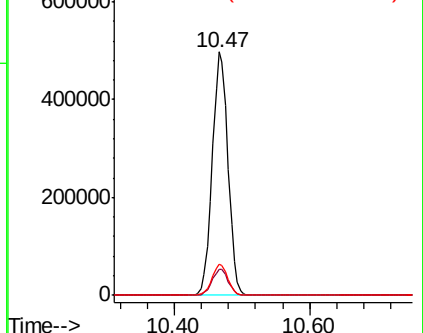
127 12.8 10.9 16.3



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: 13.816 ng/ul

RT: 12.09 min Scan# 3345

Delta R.T. -0.00 min

Lab File: BM025554.D

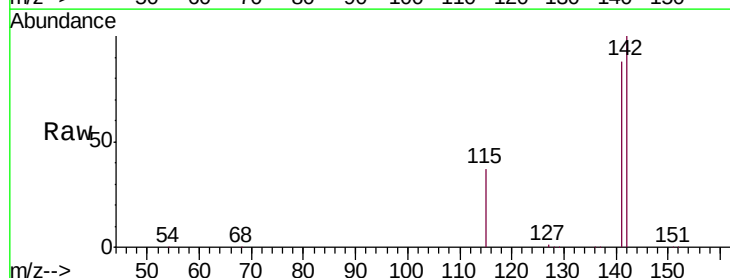
Acq: 13 Mar 2020 23:38

Tgt Ion:142 Resp: 373100

Ion Ratio Lower Upper

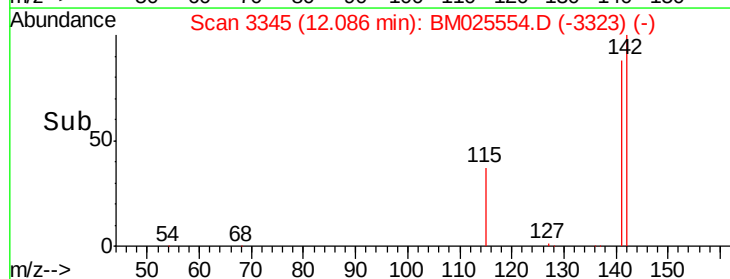
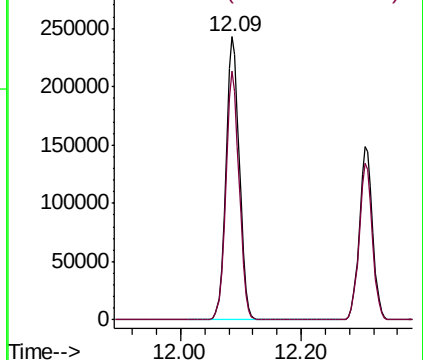
142 100

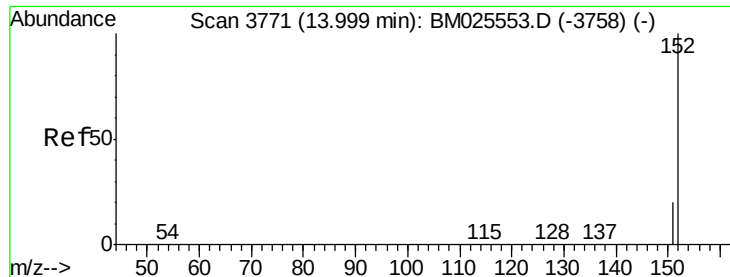
141 87.2 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.616 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. 0.00 min

Lab File: BM025554.D

Acq: 13 Mar 2020 23:38

Instrument :

BNA_M

ClientSampleId :

C0AC5

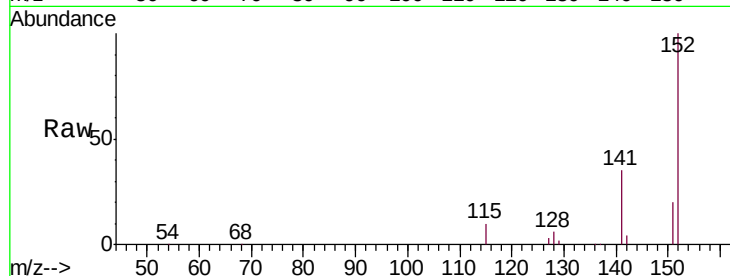
Tgt Ion:152 Resp: 71907

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.2

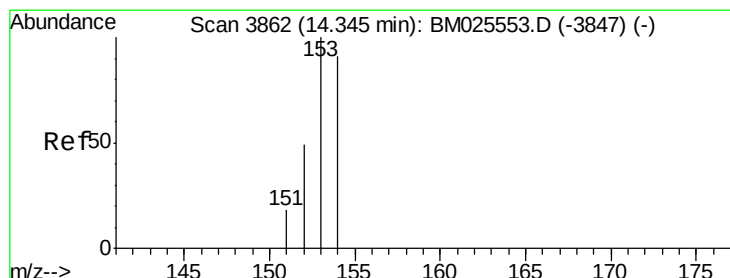
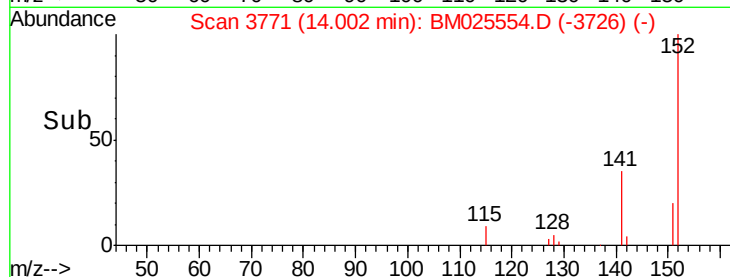
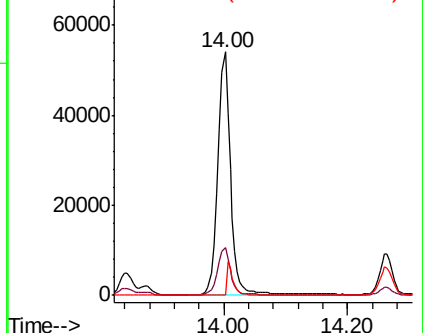
153 0.0 10.6 16.0#



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: 10.311 ng/ul

RT: 14.34 min Scan# 3861

Delta R.T. -0.00 min

Lab File: BM025554.D

Acq: 13 Mar 2020 23:38

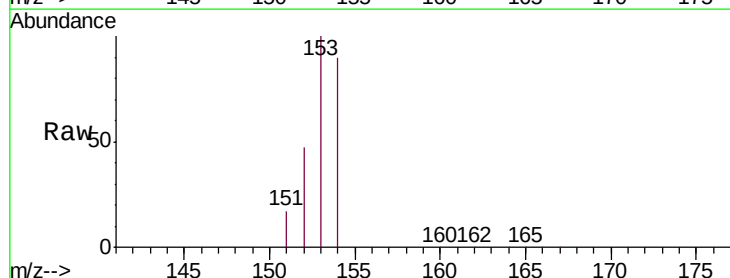
Tgt Ion:153 Resp: 402503

Ion Ratio Lower Upper

153 100

152 46.7 39.5 59.3

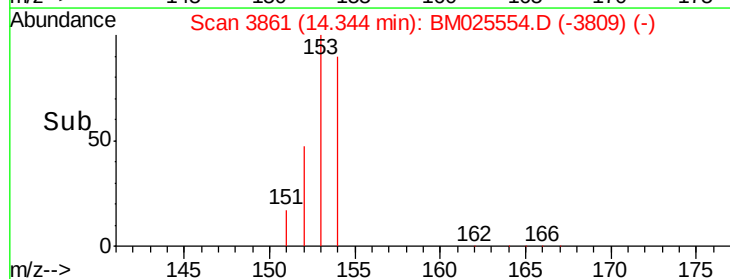
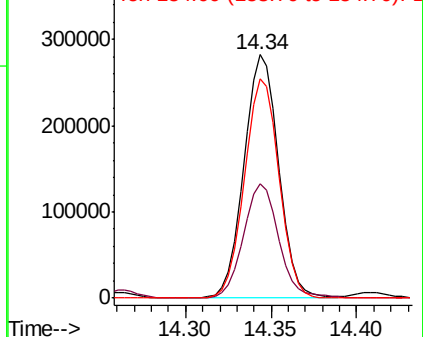
154 90.2 71.7 107.5

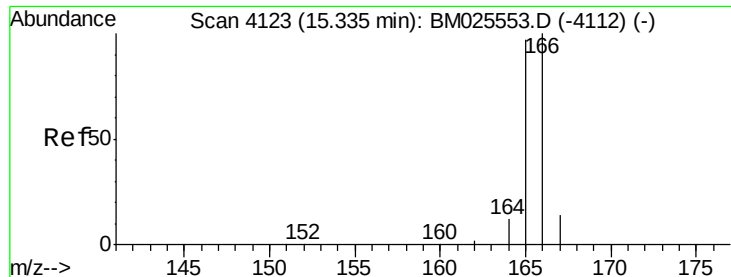


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

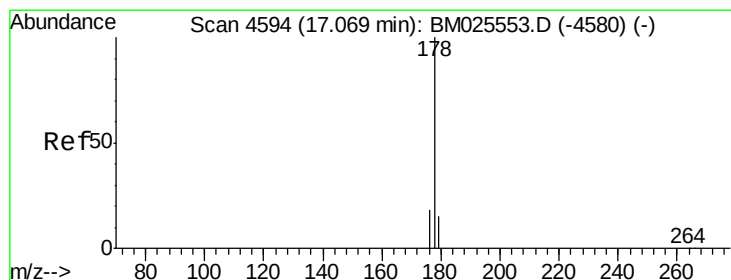
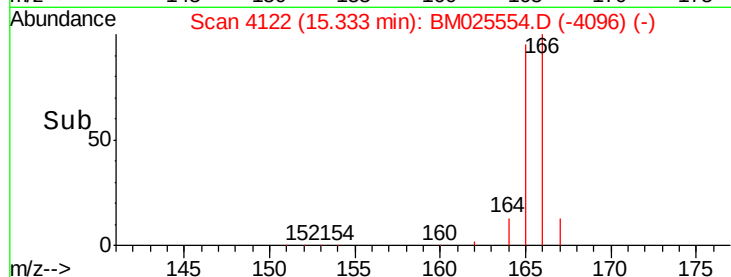
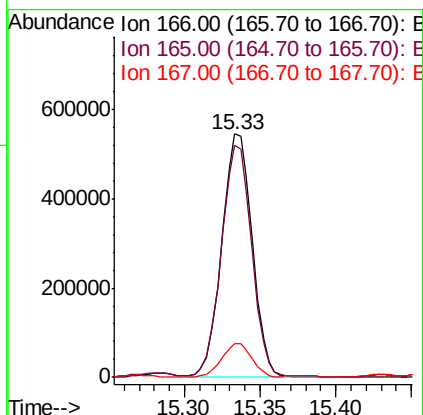
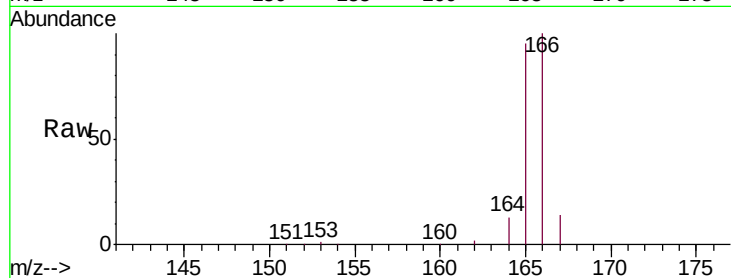




#9
Fluorene
 Concen: 15.912 ng/ul
 RT: 15.33 min Scan# 4122
 Delta R.T. -0.00 min
 Lab File: BM025554.D
 Acq: 13 Mar 2020 23:38

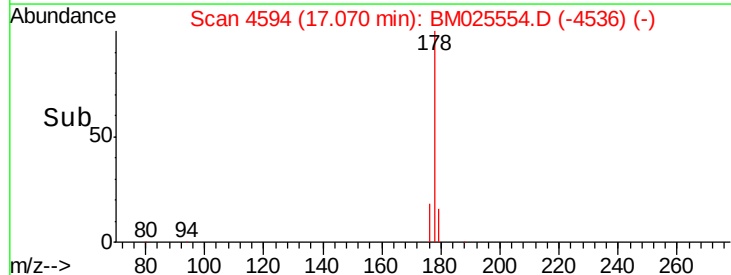
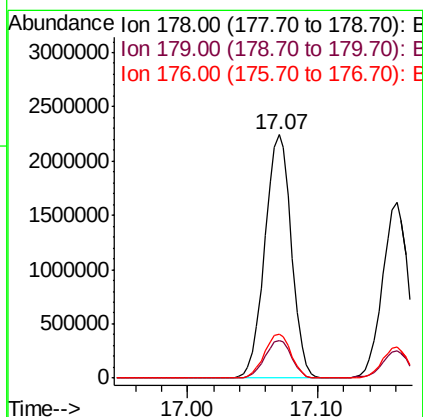
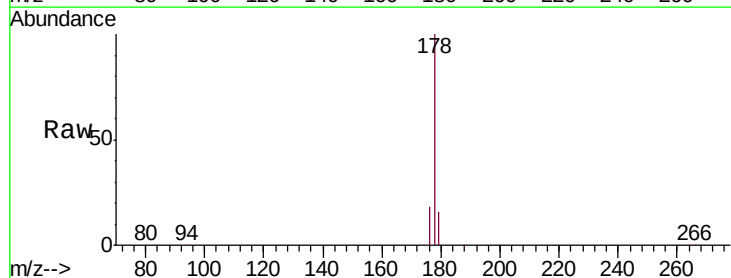
Instrument :
 BNA_M
 ClientSampleId :
 C0AC5

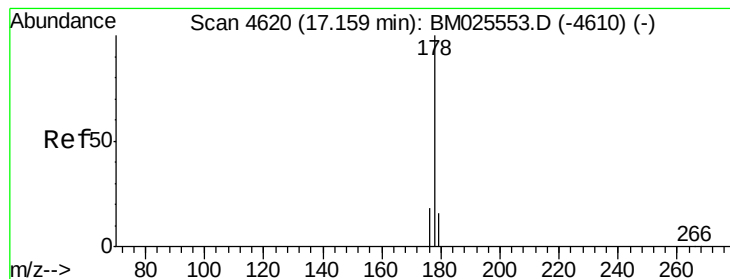
Tgt Ion:166 Resp: 756897
 Ion Ratio Lower Upper
 166 100
 165 95.4 76.8 115.2
 167 13.8 11.2 16.8



#12
Phenanthrene
 Concen: 43.105 ng/ul
 RT: 17.07 min Scan# 4594
 Delta R.T. 0.00 min
 Lab File: BM025554.D
 Acq: 13 Mar 2020 23:38

Tgt Ion:178 Resp: 3165075
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.4 18.6
 176 18.3 14.8 22.2





#13

Anthracene

Concen: 34.637 ng/ul

RT: 17.16 min Scan# 4620

Delta R.T. 0.00 min

Lab File: BM025554.D

Acq: 13 Mar 2020 23:38

Instrument :

BNA_M

ClientSampleId :

C0AC5

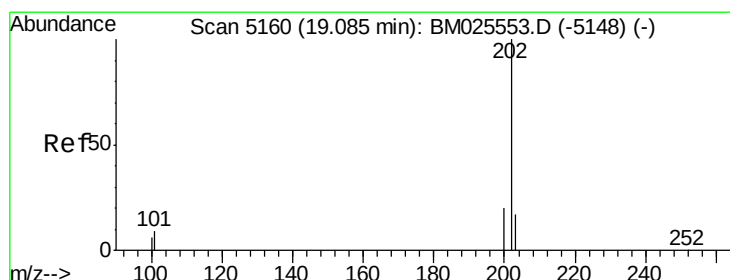
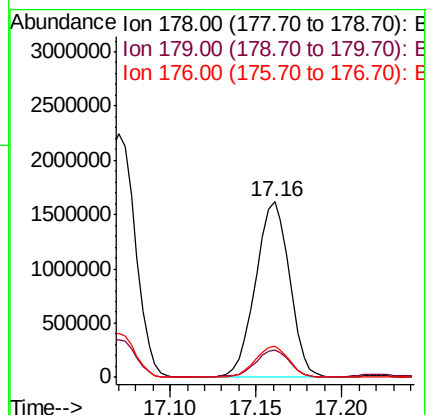
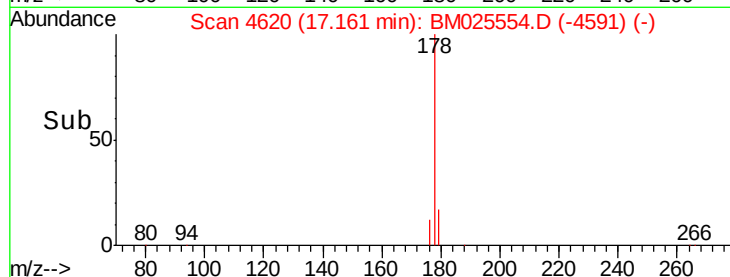
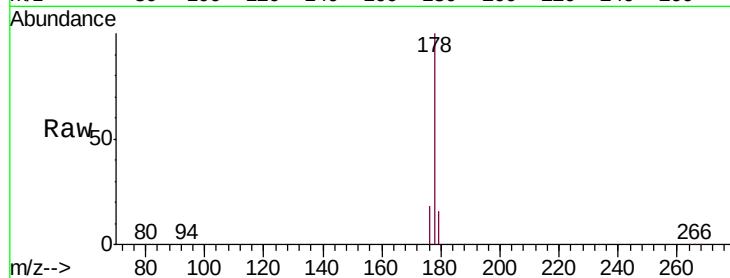
Tgt Ion:178 Resp: 2213293

Ion Ratio Lower Upper

178 100

179 15.7 12.6 18.8

176 17.6 14.5 21.7



#15

Fluoranthene

Concen: 41.702 ng/ul

RT: 19.09 min Scan# 5161

Delta R.T. 0.01 min

Lab File: BM025554.D

Acq: 13 Mar 2020 23:38

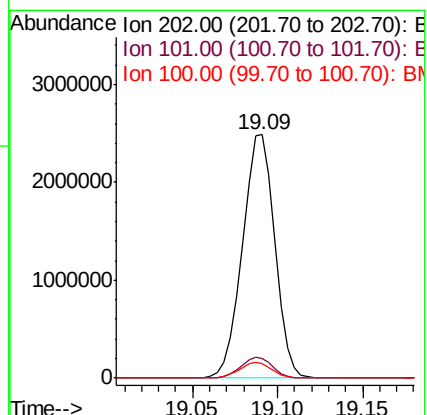
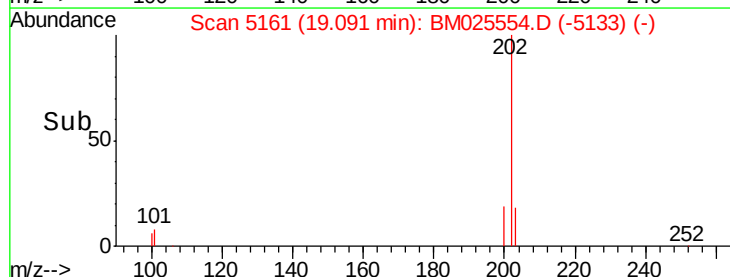
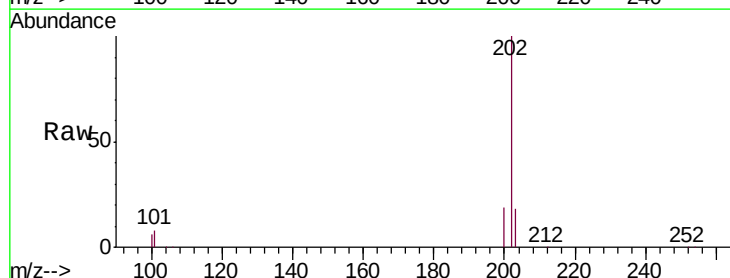
Tgt Ion:202 Resp: 3319366

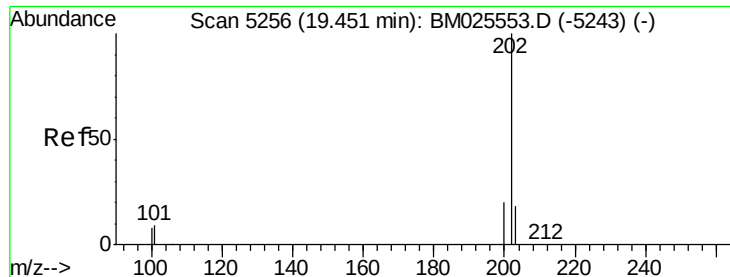
Ion Ratio Lower Upper

202 100

101 8.2 0.0 27.5

100 6.2 0.0 26.0





#17

Pyrene

Concen: 22.746 ng/ul

RT: 19.45 min Scan# 5255

Delta R.T. -0.00 min

Lab File: BM025554.D

Acq: 13 Mar 2020 23:38

Instrument :

BNA_M

ClientSampleId :

C0AC5

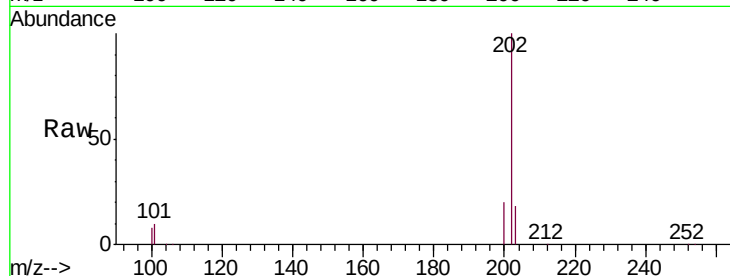
Tgt Ion:202 Resp: 2257355

Ion Ratio Lower Upper

202 100

101 10.0 7.1 10.7

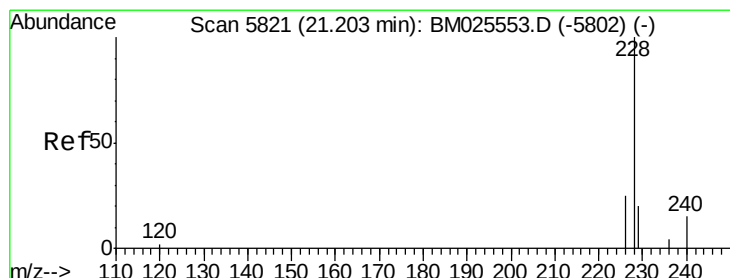
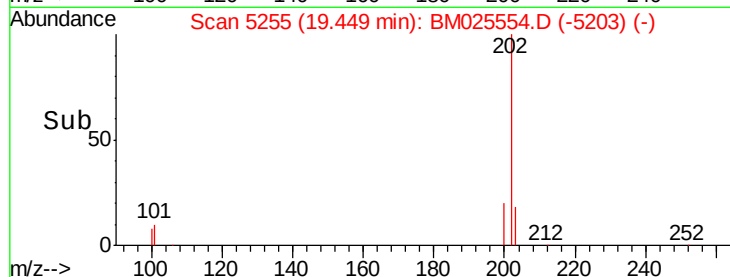
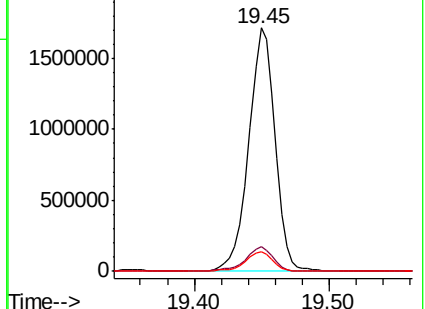
100 8.2 6.0 9.0



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: 13.244 ng/ul

RT: 21.20 min Scan# 5818

Delta R.T. -0.01 min

Lab File: BM025554.D

Acq: 13 Mar 2020 23:38

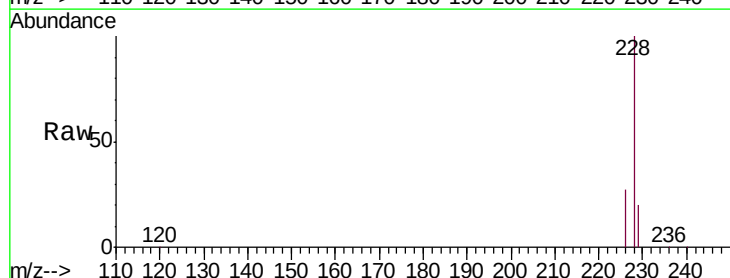
Tgt Ion:228 Resp: 1047011

Ion Ratio Lower Upper

228 100

229 20.3 15.6 23.4

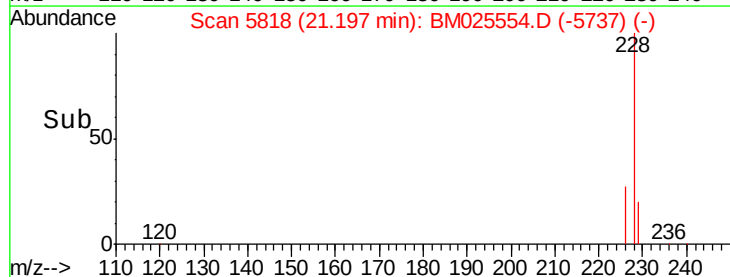
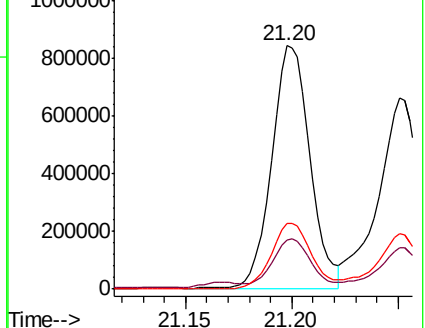
226 26.8 21.1 31.7

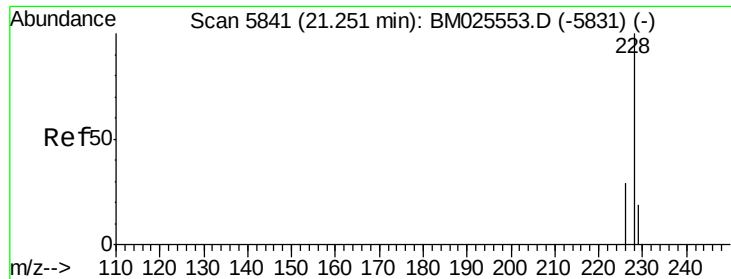


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 10.115 ng/ul

RT: 21.25 min Scan# 5840

Delta R.T. -0.00 min

Lab File: BM025554.D

Acq: 13 Mar 2020 23:38

Instrument :

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C0AC5

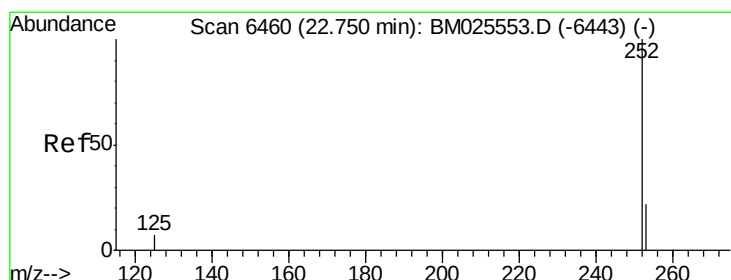
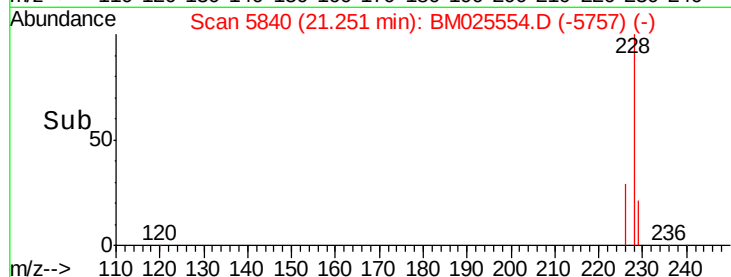
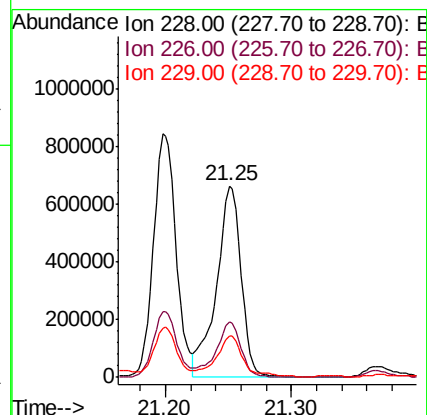
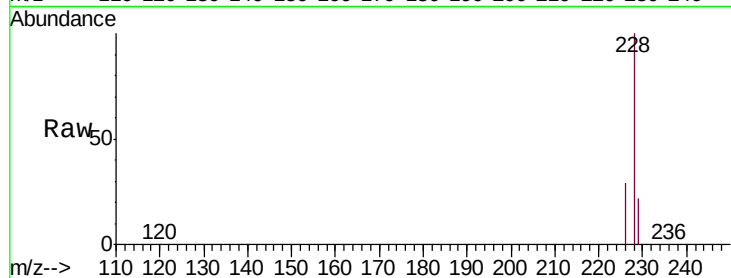
Tgt Ion:228 Resp: 897980

Ion Ratio Lower Upper

228 100

226 28.8 23.6 35.4

229 21.6 16.3 24.5



#21

Benzo(b)fluoranthene

Concen: 14.204 ng/ul

RT: 22.75 min Scan# 6460

Delta R.T. 0.00 min

Lab File: BM025554.D

Acq: 13 Mar 2020 23:38

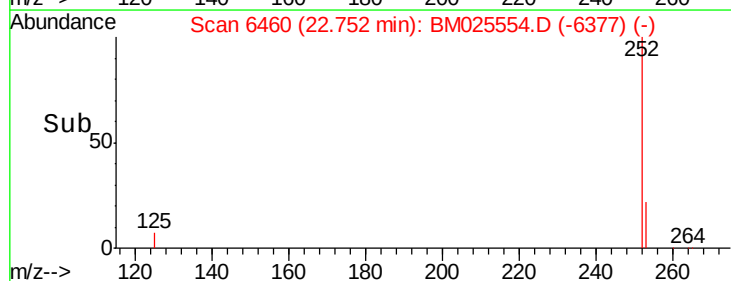
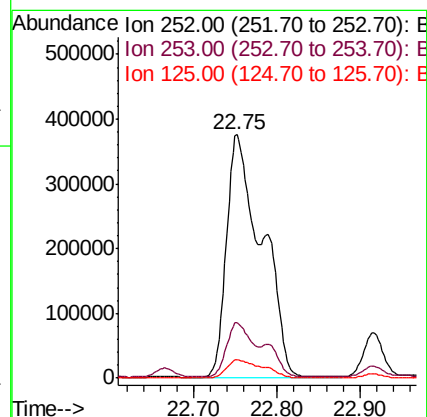
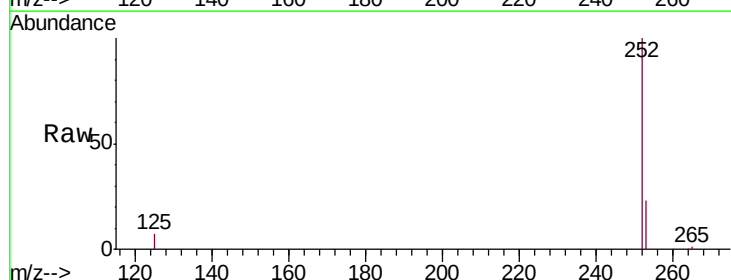
Tgt Ion:252 Resp: 1101020

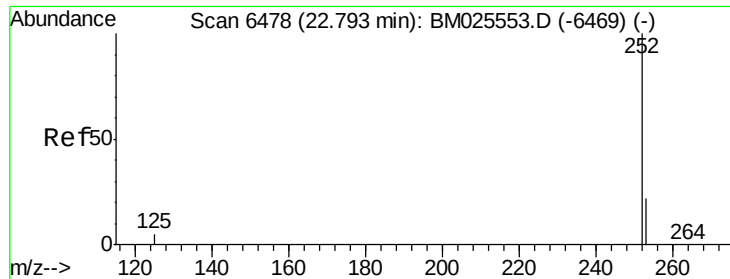
Ion Ratio Lower Upper

252 100

253 22.7 0.0 50.2

125 7.3 0.0 17.6





#22

Benzo(k)fluoranthene

Concen: 13.557 ng/ul

RT: 22.75 min Scan# 6460

Delta R.T. -0.04 min

Lab File: BM025554.D

Acq: 13 Mar 2020 23:38

Instrument :

BNA_M

ClientSampleId :

C0AC5

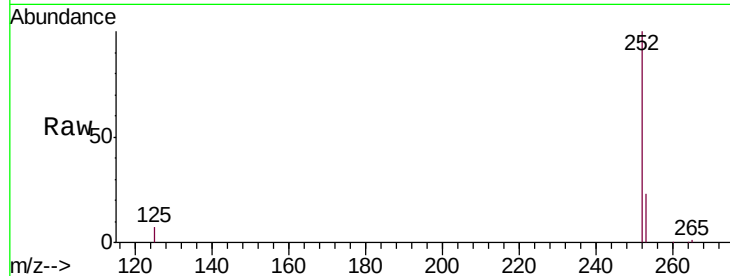
Tgt Ion:252 Resp: 1101020

Ion Ratio Lower Upper

252 100

253 22.7 19.8 29.8

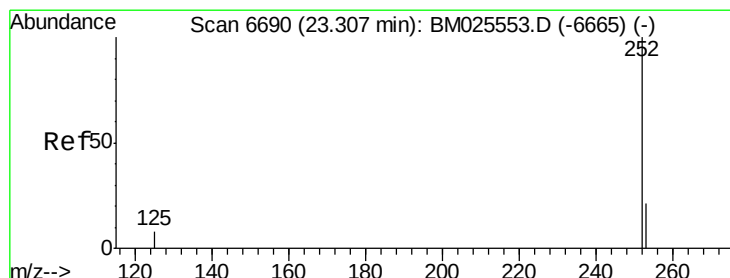
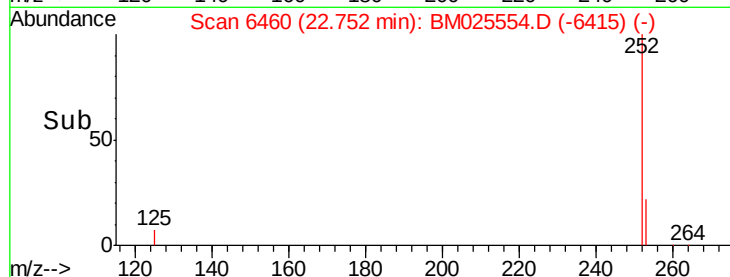
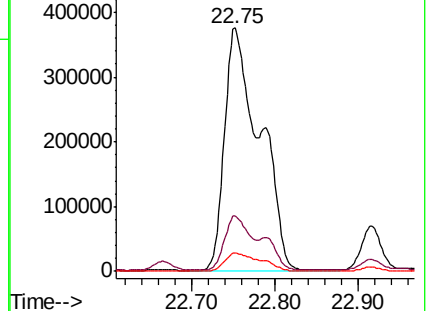
125 7.3 7.1 10.7



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: 7.519 ng/ul

RT: 23.30 min Scan# 6688

Delta R.T. -0.00 min

Lab File: BM025554.D

Acq: 13 Mar 2020 23:38

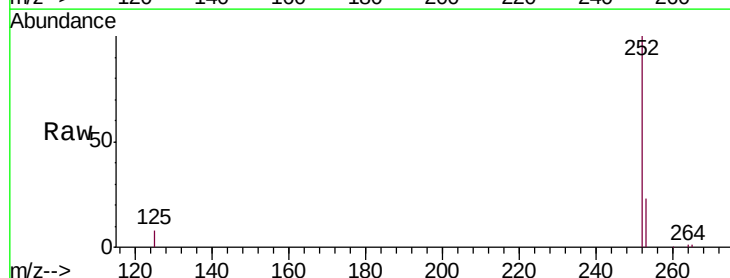
Tgt Ion:252 Resp: 483996

Ion Ratio Lower Upper

252 100

253 22.6 21.3 31.9

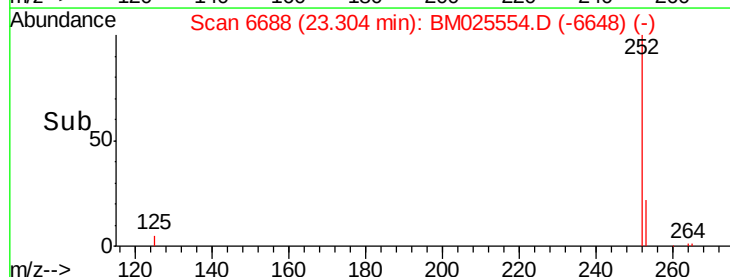
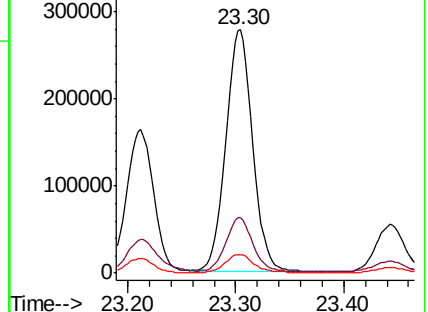
125 7.7 8.5 12.7#

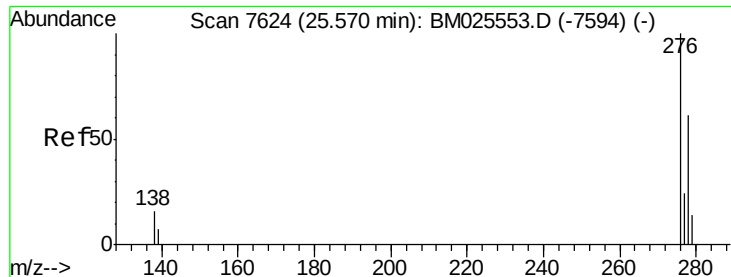


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



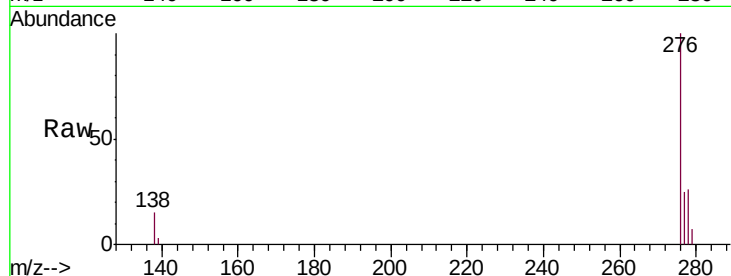


#24

Indeno(1,2,3-cd)pyrene
Concen: 2.762 ng/ul
RT: 25.56 min Scan# 7620
Delta R.T. -0.01 min
Lab File: BM025554.D
Acq: 13 Mar 2020 23:38

Instrument :
BNA_M
ClientSampleId :
C0AC5

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

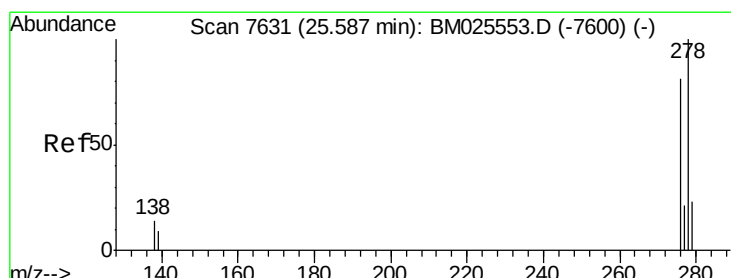
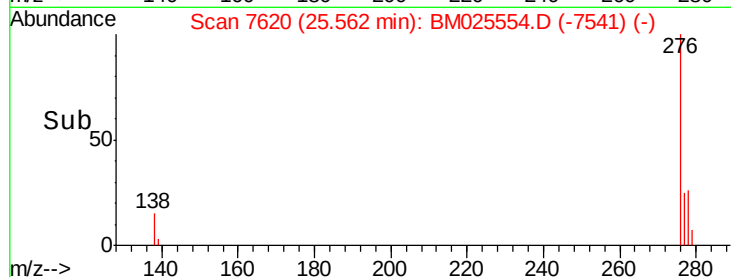
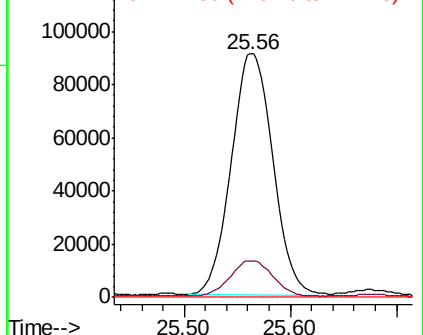


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

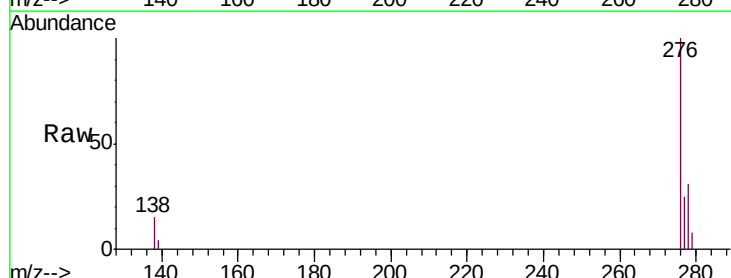
Ion 227.00 (226.70 to 227.70): E



#25

Dibenzo(a,h)anthracene
Concen: 1.078 ng/ul
RT: 25.57 min Scan# 7624
Delta R.T. -0.01 min
Lab File: BM025554.D
Acq: 13 Mar 2020 23:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.1	9.0	13.6
279	26.8	21.1	31.7

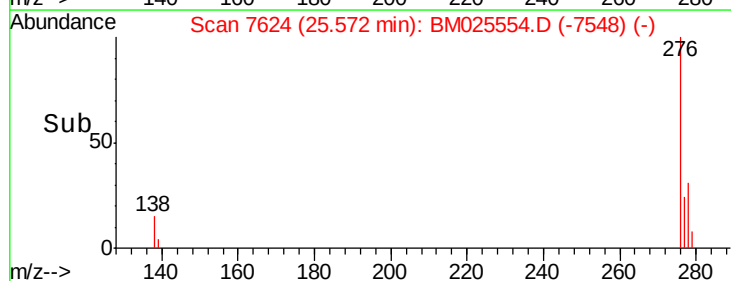
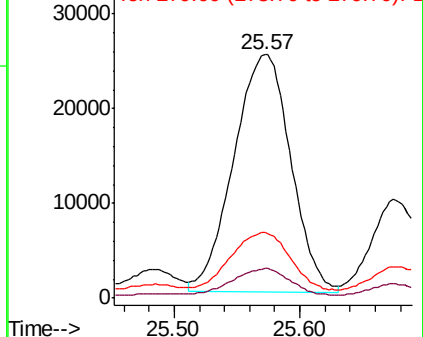


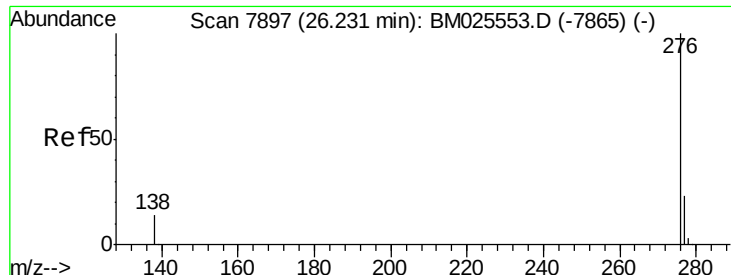
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(g,h,i)perylene

Concen: 1.932 ng/ul

RT: 26.22 min Scan# 7893

Delta R.T. -0.01 min

Lab File: BM025554.D

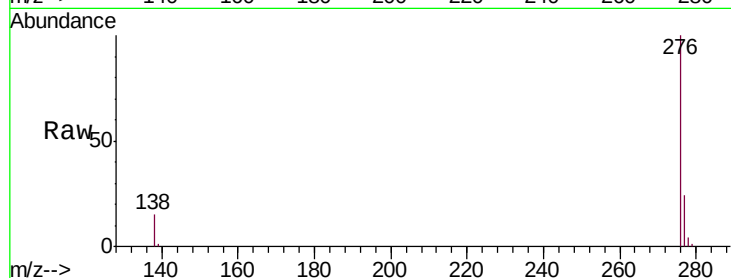
Acq: 13 Mar 2020 23:38

Instrument :

BNA_M

ClientSampleId :

C0AC5



Tgt Ion: 276 Resp: 146331

Ion Ratio Lower Upper

276 100

138 15.0 11.0 16.4

277 24.2 19.8 29.6

