

Data File : BM025556.D
Acq On : 14 Mar 2020 00:51
Operator : CG/JU
Sample : L1786-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC9

Quant Time: Mar 16 06:47:19 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	3832	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	17257	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	11913	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	24534	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	16483	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	16737	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	3813	0.12	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	9042	0.13	ng/ul	0.00

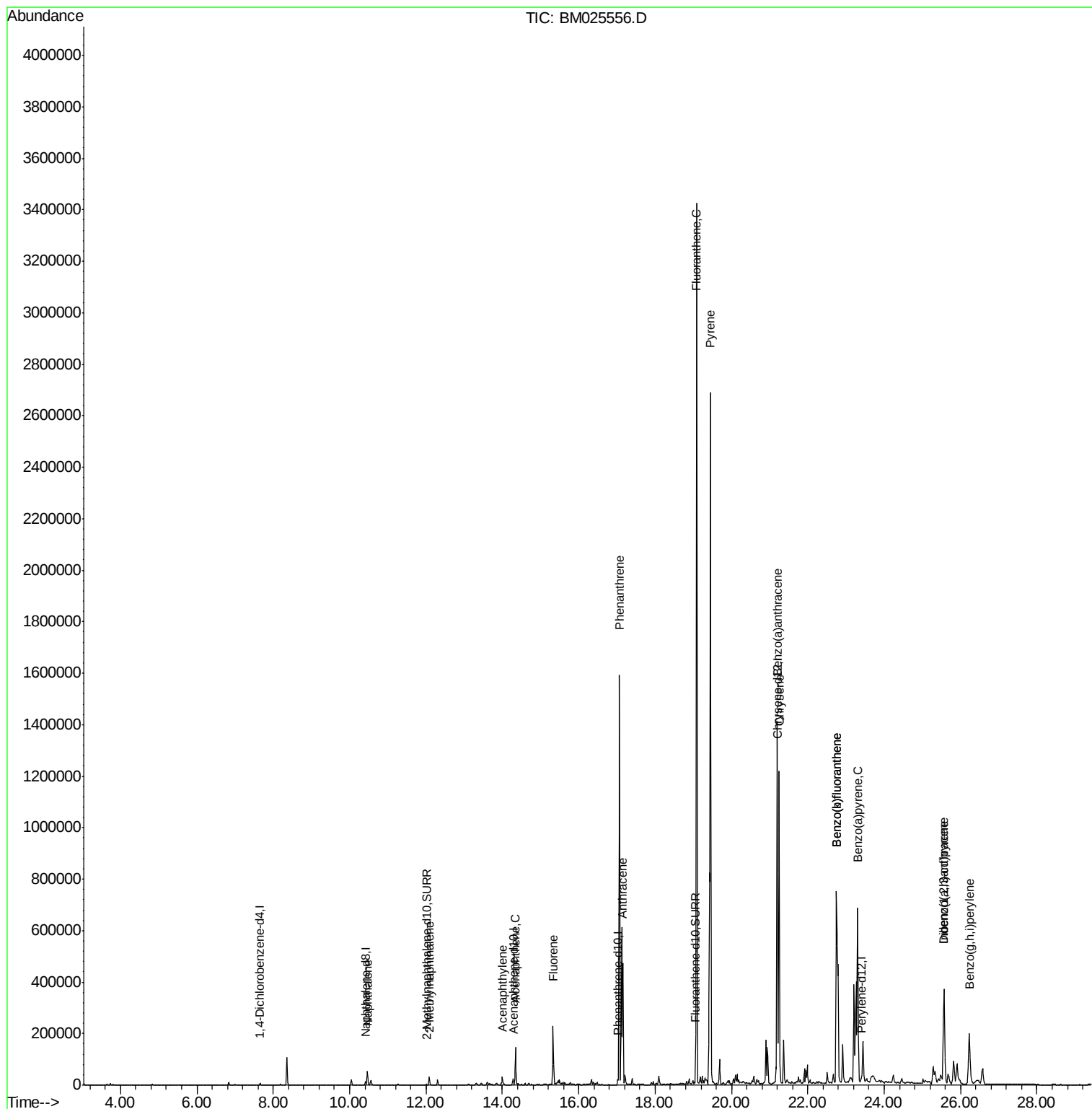
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.47	128	71018	1.390	ng/ul	98
5) 2-Methylnaphthalene	12.09	142	22336	0.612	ng/ul	99
7) Acenaphthylene	14.00	152	34117	0.701	ng/ul#	87
8) Acenaphthene	14.35	153	83002	1.944	ng/ul	98
9) Fluorene	15.33	166	138891	2.670	ng/ul	100
12) Phenanthrene	17.07	178	1617793	20.808	ng/ul	99
13) Anthracene	17.16	178	477722	7.060	ng/ul	99
15) Fluoranthene	19.09	202	2984568	35.411	ng/ul	98
17) Pyrene	19.45	202	2304848	31.154	ng/ul	98
18) Benzo(a)anthracene	21.20	228	1211152	20.552	ng/ul	99
19) Chrysene	21.25	228	1074626	16.239	ng/ul	97
21) Benzo(b)fluoranthene	22.75	252	1767079	26.663	ng/ul	96
22) Benzo(k)fluoranthene	22.75	252	1767079	25.447	ng/ul	96
23) Benzo(a)pyrene	23.31	252	890879	16.187	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.57	276	565863	7.578	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.57	278	161241	2.567	ng/ul	99
26) Benzo(g,h,i)perylene	26.23	276	414190	6.395	ng/ul	98

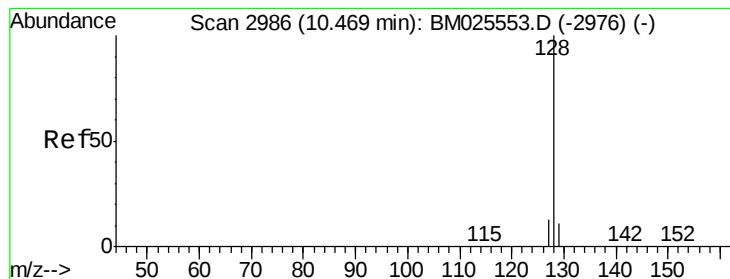
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.390 ng/ul

RT: 10.47 min Scan# 2986

Delta R.T. -0.00 min

Lab File: BM025556.D

Acq: 14 Mar 2020 00:51

Instrument :

BNA_M

ClientSampleId :

C0AC9

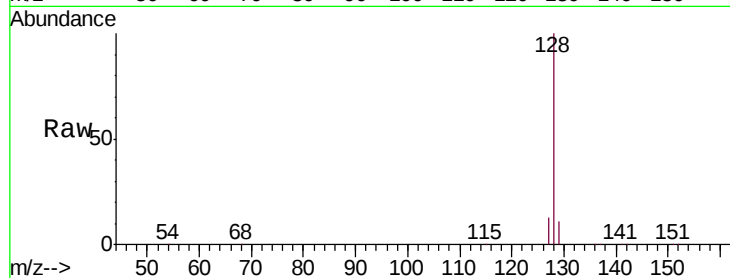
Tgt Ion:128 Resp: 71018

Ion Ratio Lower Upper

128 100

129 10.9 9.4 14.0

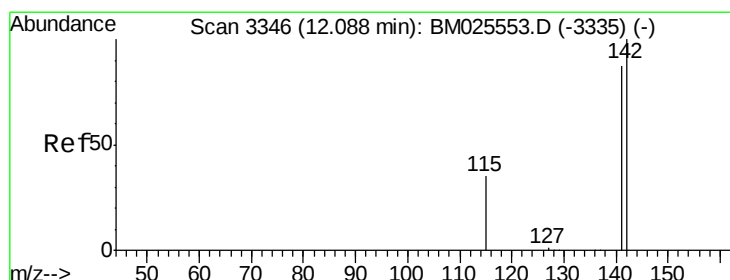
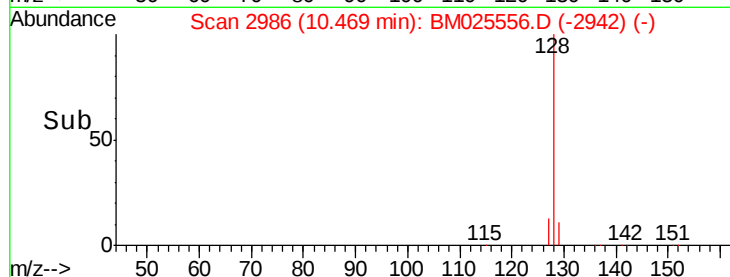
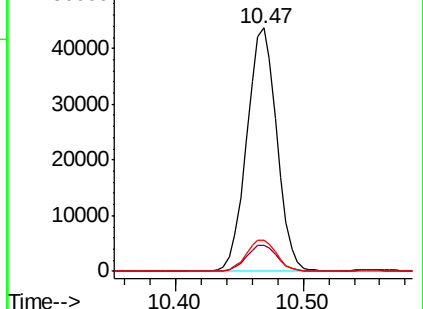
127 12.8 10.9 16.3



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: 0.612 ng/ul

RT: 12.09 min Scan# 3346

Delta R.T. -0.00 min

Lab File: BM025556.D

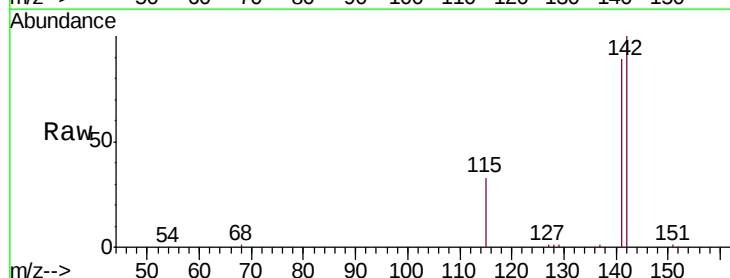
Acq: 14 Mar 2020 00:51

Tgt Ion:142 Resp: 22336

Ion Ratio Lower Upper

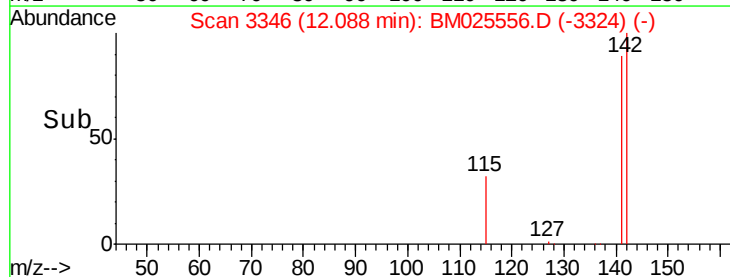
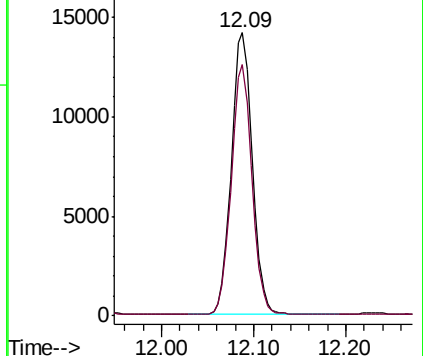
142 100

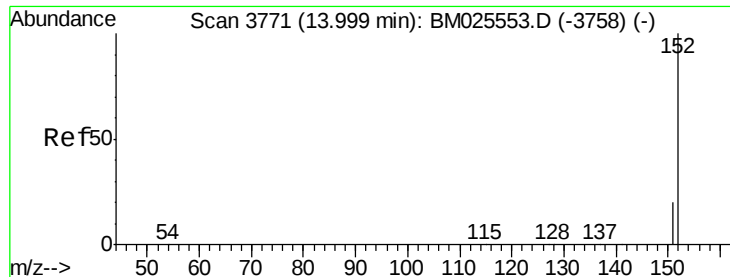
141 87.8 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.701 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.00 min

Lab File: BM025556.D

Acq: 14 Mar 2020 00:51

Instrument :

BNA_M

ClientSampleId :

C0AC9

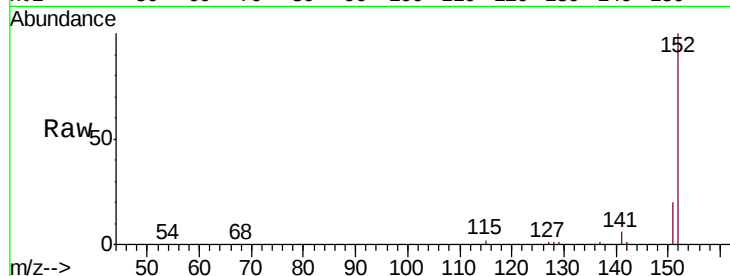
Tgt Ion:152 Resp: 34117

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

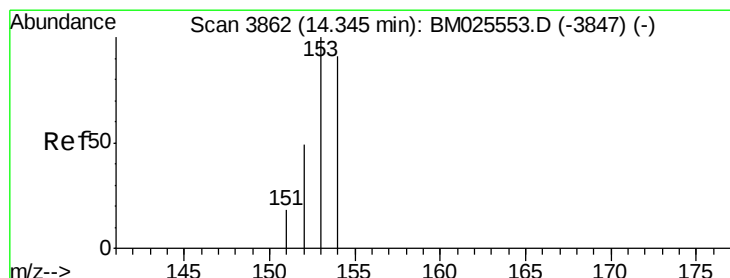
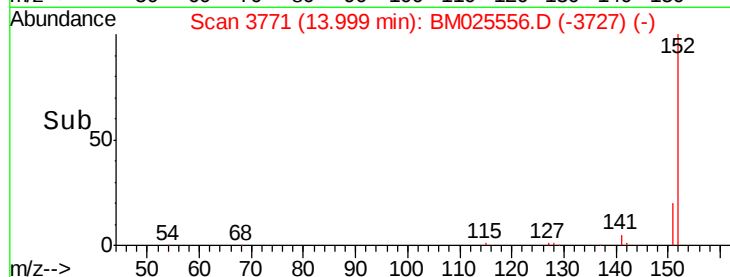
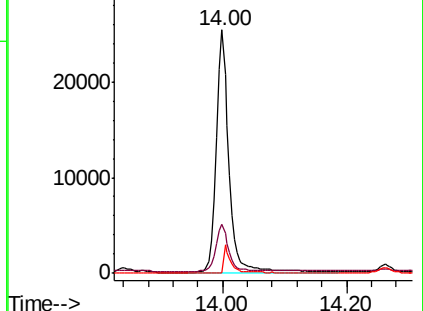
153 0.0 10.6 16.0#



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: 1.944 ng/ul

RT: 14.35 min Scan# 3862

Delta R.T. -0.00 min

Lab File: BM025556.D

Acq: 14 Mar 2020 00:51

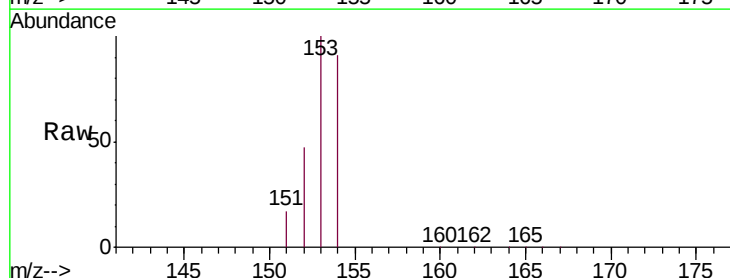
Tgt Ion:153 Resp: 83002

Ion Ratio Lower Upper

153 100

152 46.7 39.5 59.3

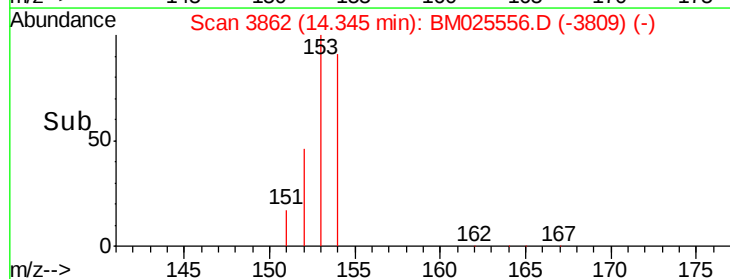
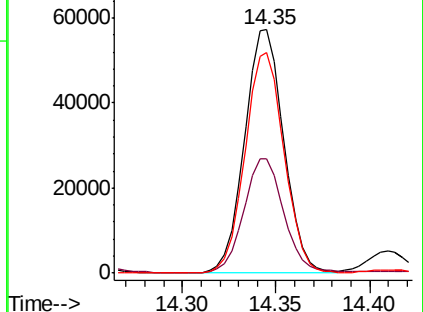
154 90.7 71.7 107.5

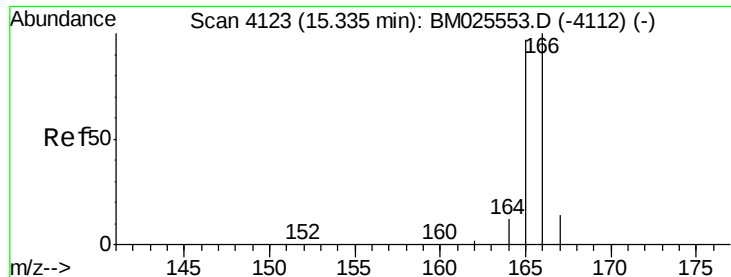


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

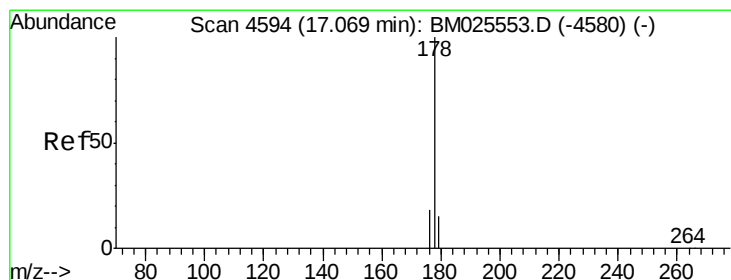
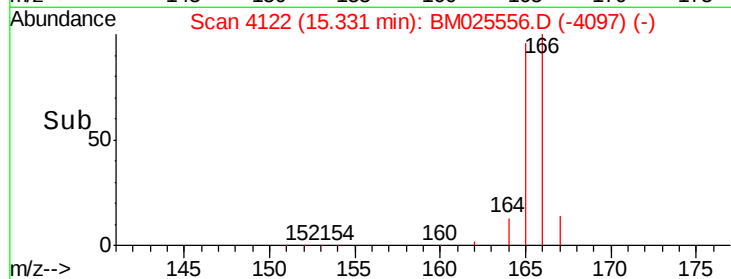
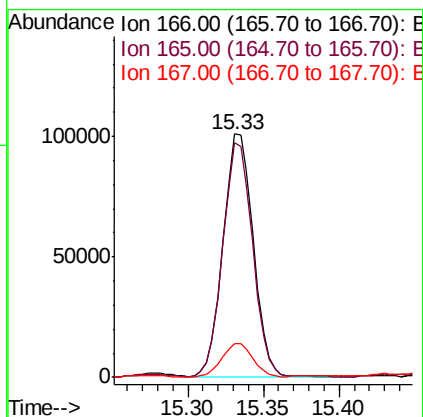
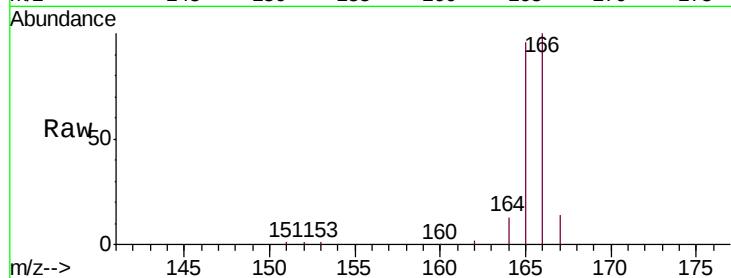




#9
Fluorene
 Concen: 2.670 ng/ul
 RT: 15.33 min Scan# 4122
 Delta R.T. -0.00 min
 Lab File: BM025556.D
 Acq: 14 Mar 2020 00:51

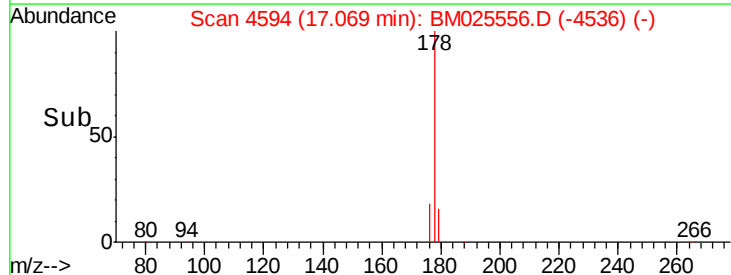
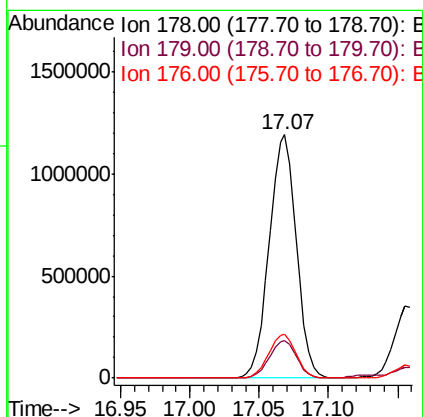
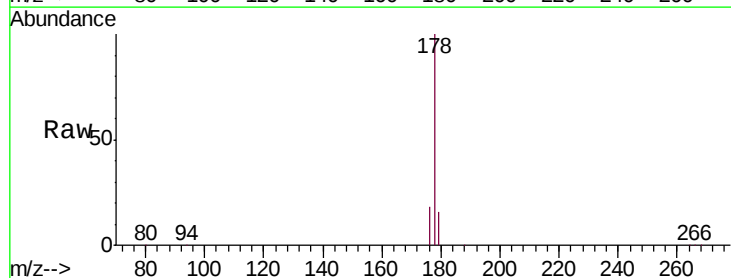
Instrument :
 BNA_M
 ClientSampleId :
 C0AC9

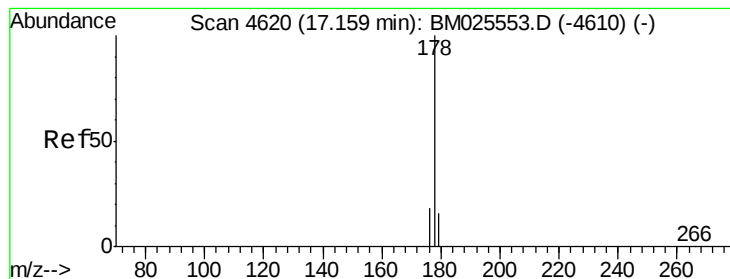
Tgt Ion:166 Resp: 138891
 Ion Ratio Lower Upper
 166 100
 165 96.5 76.8 115.2
 167 14.0 11.2 16.8



#12
Phenanthrene
 Concen: 20.808 ng/ul
 RT: 17.07 min Scan# 4594
 Delta R.T. -0.00 min
 Lab File: BM025556.D
 Acq: 14 Mar 2020 00:51

Tgt Ion:178 Resp: 1617793
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.4 18.6
 176 18.1 14.8 22.2





#13

Anthracene

Concen: 7.060 ng/ul

RT: 17.16 min Scan# 4619

Delta R.T. -0.00 min

Lab File: BM025556.D

Acq: 14 Mar 2020 00:51

Instrument :

BNA_M

ClientSampleId :

C0AC9

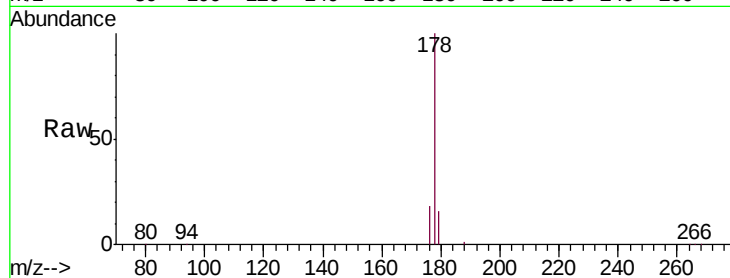
Tgt Ion:178 Resp: 477722

Ion Ratio Lower Upper

178 100

179 15.5 12.6 18.8

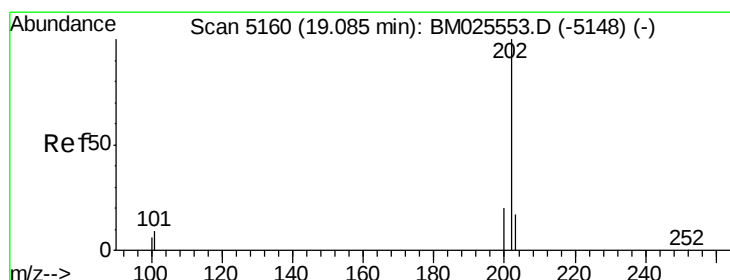
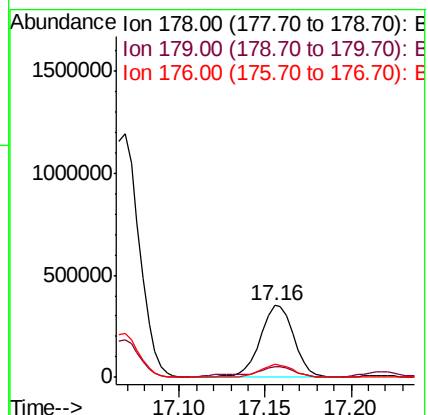
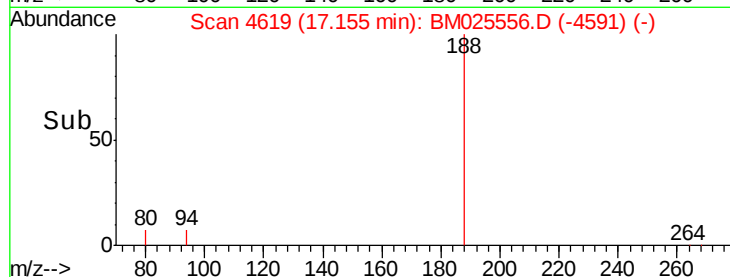
176 17.7 14.5 21.7



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



#15

Fluoranthene

Concen: 35.411 ng/ul

RT: 19.09 min Scan# 5161

Delta R.T. 0.00 min

Lab File: BM025556.D

Acq: 14 Mar 2020 00:51

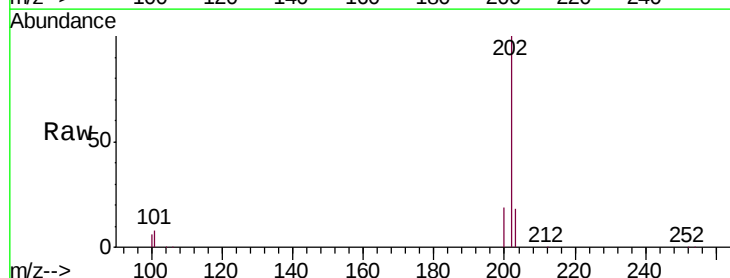
Tgt Ion:202 Resp: 2984568

Ion Ratio Lower Upper

202 100

101 8.5 0.0 27.5

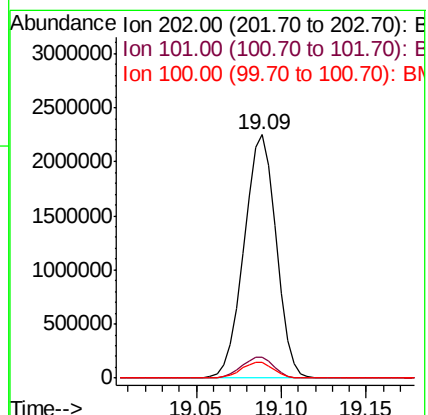
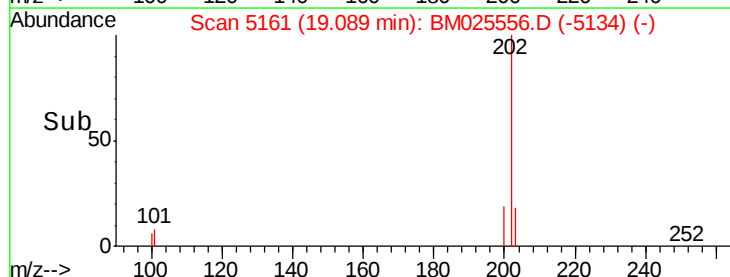
100 6.4 0.0 26.0

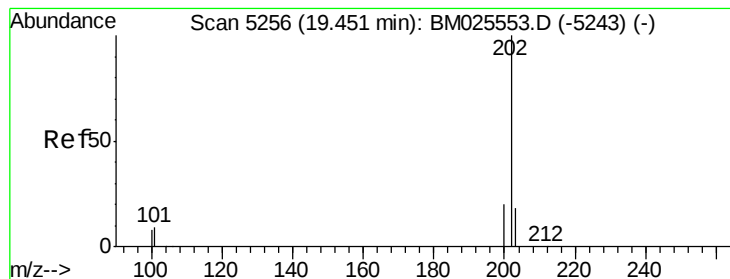


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pyrene

Concen: 31.154 ng/ul

RT: 19.45 min Scan# 5256

Delta R.T. -0.00 min

Lab File: BM025556.D

Acq: 14 Mar 2020 00:51

Instrument :

BNA_M

ClientSampleId :

C0AC9

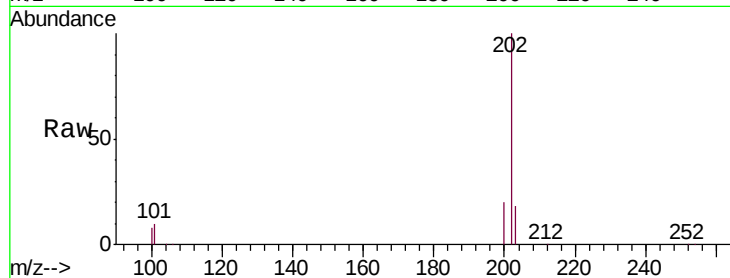
Tgt Ion:202 Resp: 2304848

Ion Ratio Lower Upper

202 100

101 9.7 7.1 10.7

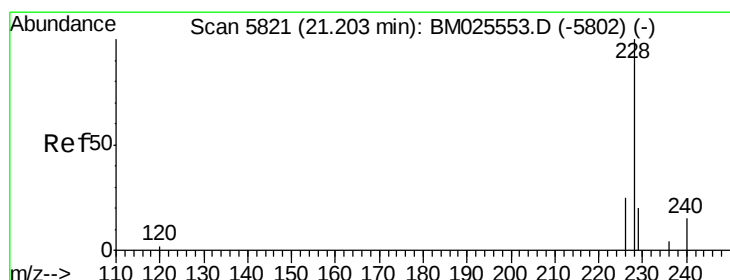
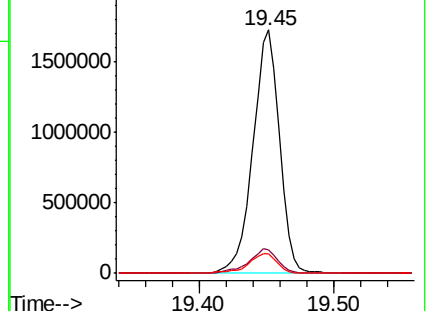
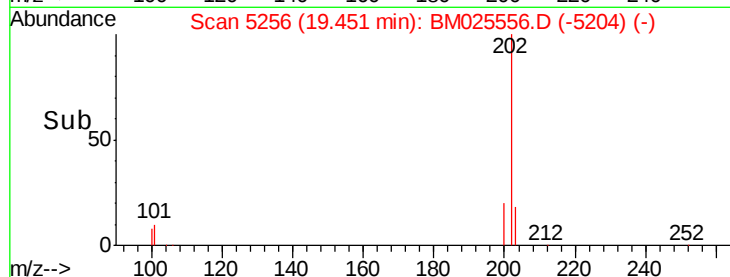
100 7.9 6.0 9.0



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: 20.552 ng/ul

RT: 21.20 min Scan# 5819

Delta R.T. -0.00 min

Lab File: BM025556.D

Acq: 14 Mar 2020 00:51

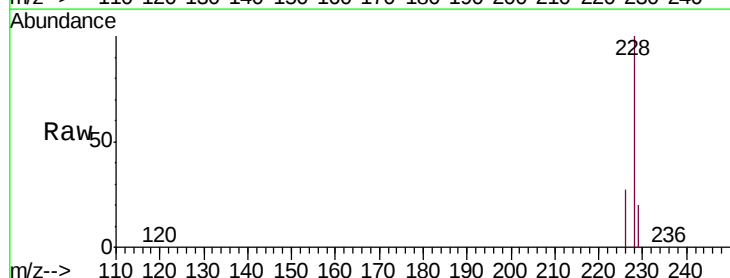
Tgt Ion:228 Resp: 1211152

Ion Ratio Lower Upper

228 100

229 20.3 15.6 23.4

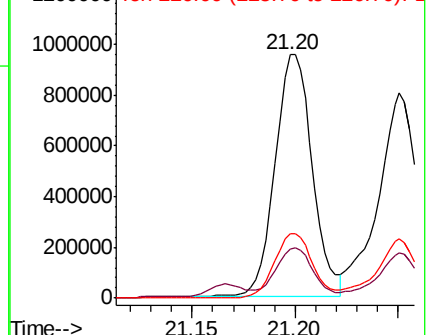
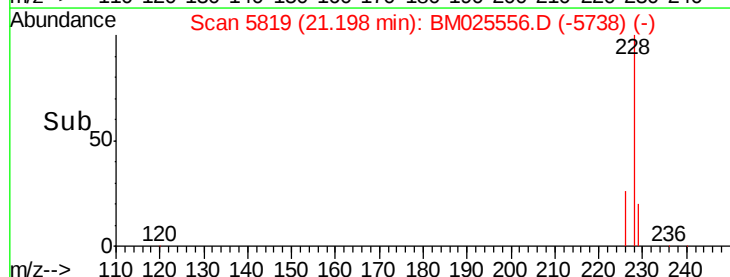
226 26.6 21.1 31.7

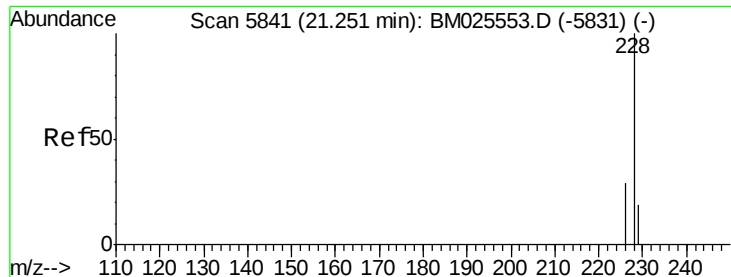


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 16.239 ng/ul

RT: 21.25 min Scan# 5841

Delta R.T. -0.00 min

Lab File: BM025556.D

Acq: 14 Mar 2020 00:51

Instrument :

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C0AC9

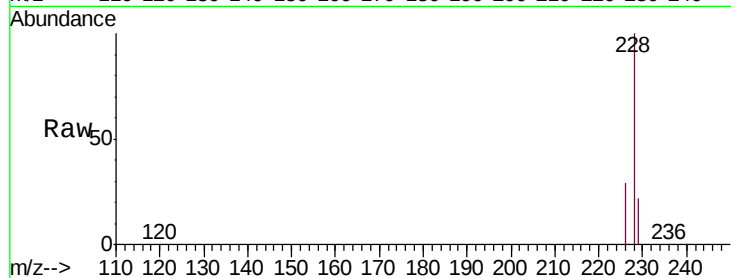
Tgt Ion:228 Resp: 1074626

Ion Ratio Lower Upper

228 100

226 28.7 23.6 35.4

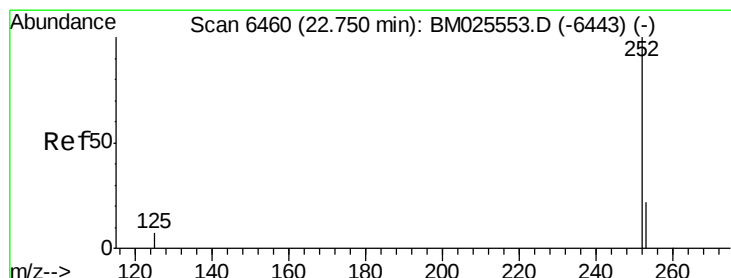
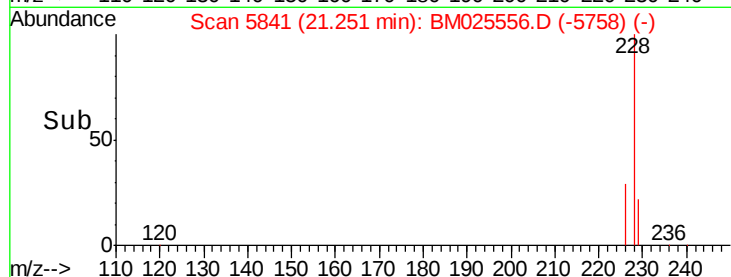
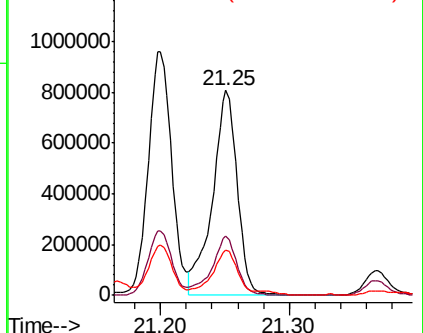
229 22.3 16.3 24.5



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: 26.663 ng/ul

RT: 22.75 min Scan# 6462

Delta R.T. 0.00 min

Lab File: BM025556.D

Acq: 14 Mar 2020 00:51

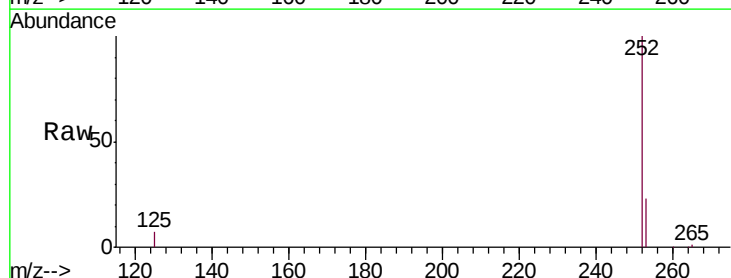
Tgt Ion:252 Resp: 1767079

Ion Ratio Lower Upper

252 100

253 23.0 0.0 50.2

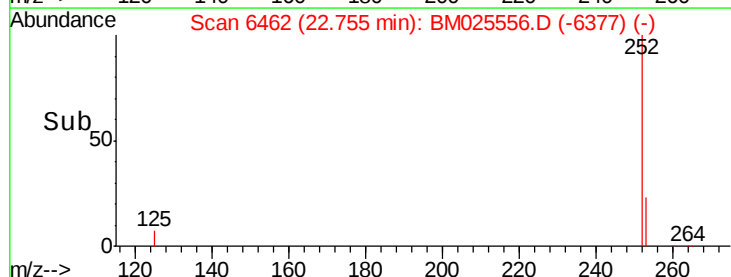
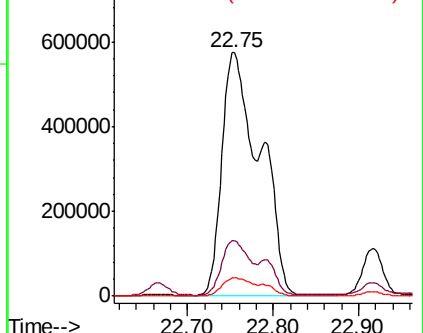
125 7.5 0.0 17.6

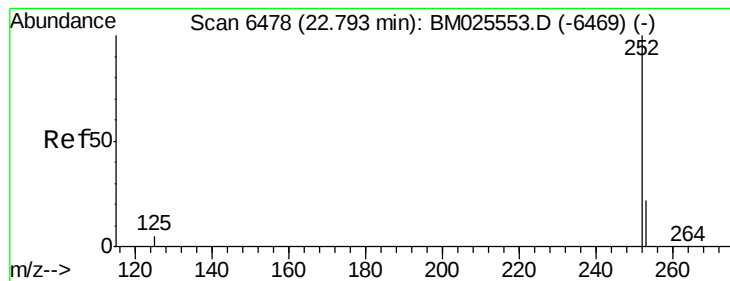


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 25.447 ng/ul

RT: 22.75 min Scan# 6462

Delta R.T. -0.04 min

Lab File: BM025556.D

Acq: 14 Mar 2020 00:51

Instrument :

BNA_M

ClientSampleId :

C0AC9

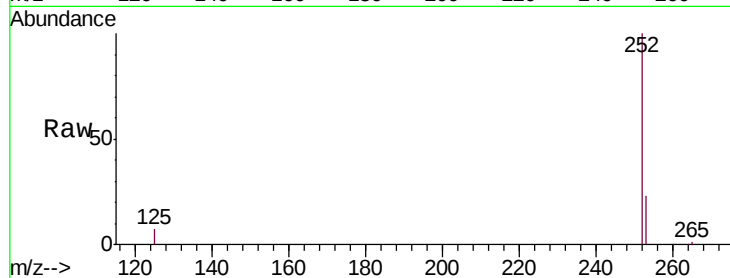
Tgt Ion:252 Resp: 1767079

Ion Ratio Lower Upper

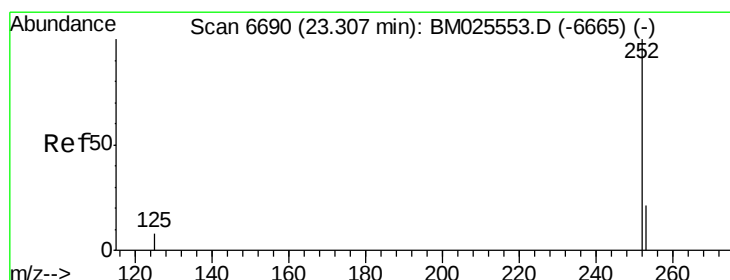
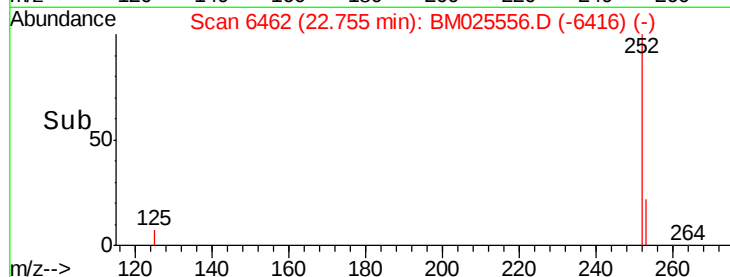
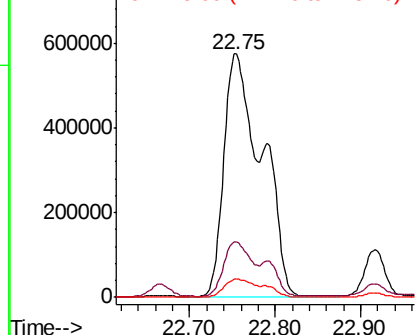
252 100

253 23.0 19.8 29.8

125 7.5 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: 16.187 ng/ul

RT: 23.31 min Scan# 6690

Delta R.T. -0.00 min

Lab File: BM025556.D

Acq: 14 Mar 2020 00:51

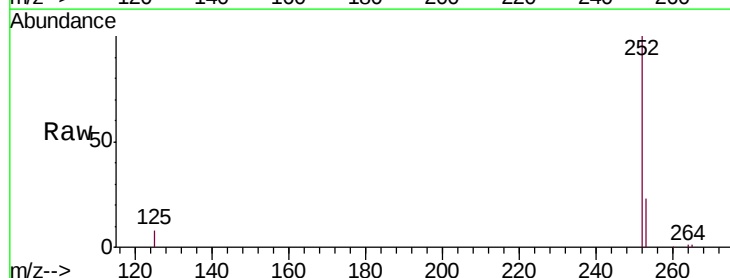
Tgt Ion:252 Resp: 890879

Ion Ratio Lower Upper

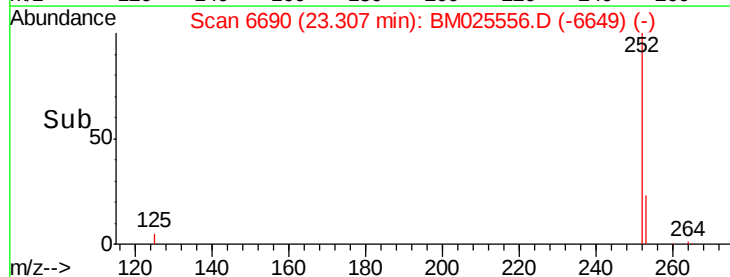
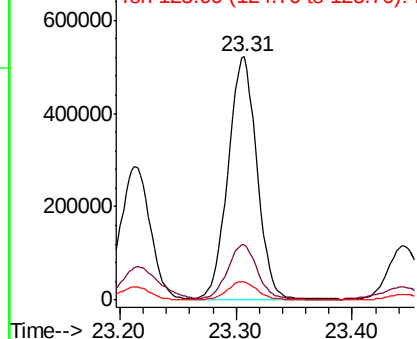
252 100

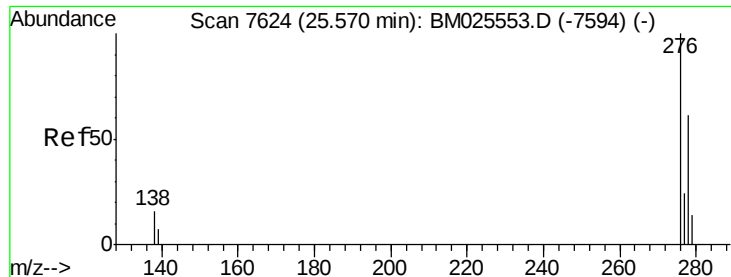
253 22.9 21.3 31.9

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



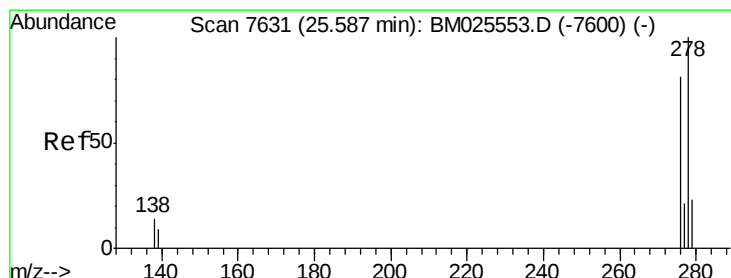
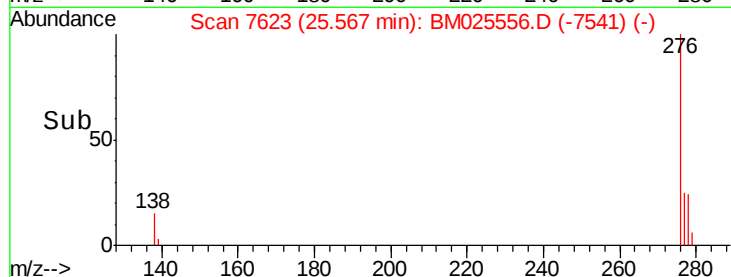
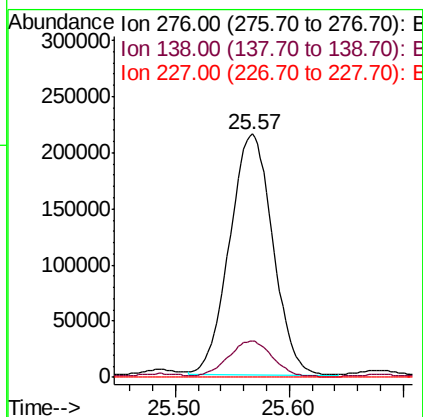
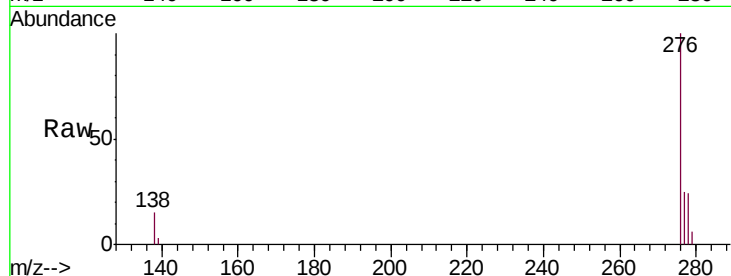


#24

Indeno(1,2,3-cd)pyrene
Concen: 7.578 ng/u1
RT: 25.57 min Scan# 7623
Delta R.T. -0.00 min
Lab File: BM025556.D
Acq: 14 Mar 2020 00:51

Instrument :
BNA_M
ClientSampleId :
C0AC9

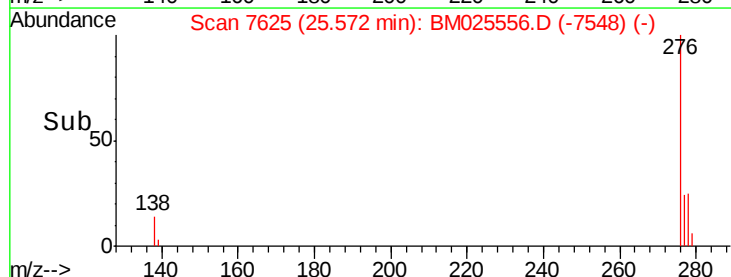
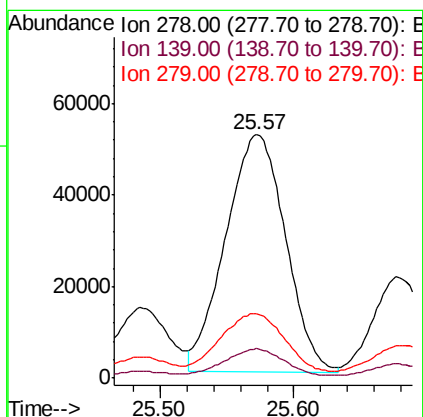
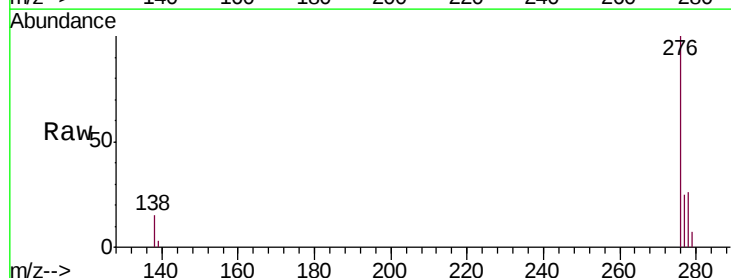
Tgt Ion:276 Resp: 565863
Ion Ratio Lower Upper
276 100
138 14.9 12.3 18.5
227 0.0 0.0 0.0

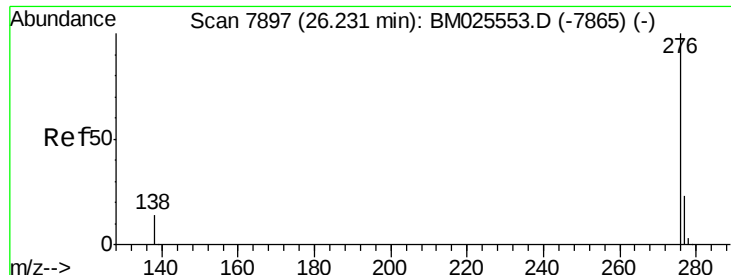


#25

Dibenzo(a,h)anthracene
Concen: 2.567 ng/u1
RT: 25.57 min Scan# 7625
Delta R.T. -0.01 min
Lab File: BM025556.D
Acq: 14 Mar 2020 00:51

Tgt Ion:278 Resp: 161241
Ion Ratio Lower Upper
278 100
139 12.1 9.0 13.6
279 26.4 21.1 31.7





#26

Benzo(g,h,i)perylene

Concen: 6.395 ng/ul

RT: 26.23 min Scan# 7896

Delta R.T. -0.00 min

Lab File: BM025556.D

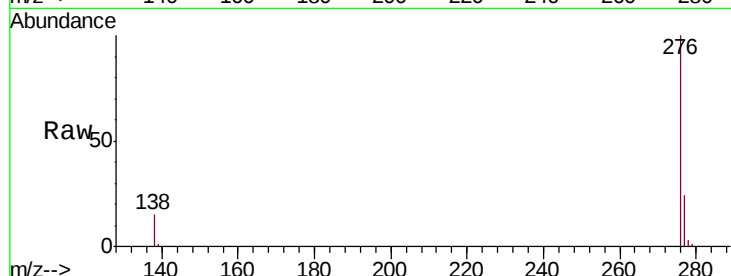
Acq: 14 Mar 2020 00:51

Instrument :

BNA_M

ClientSampleId :

C0AC9



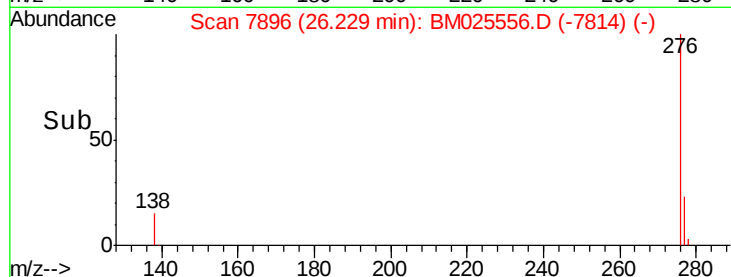
Tgt Ion: 276 Resp: 414190

Ion Ratio Lower Upper

276 100

138 14.9 11.0 16.4

277 24.1 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

