

Data File : BM025555.D
Acq On : 14 Mar 2020 00:14
Operator : CG/JU
Sample : L1786-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC4

Quant Time: Mar 16 06:47:03 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	17148	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	9910	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	19584	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	19593	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	25138	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1294	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	2413	0.04	ng/ul	0.00

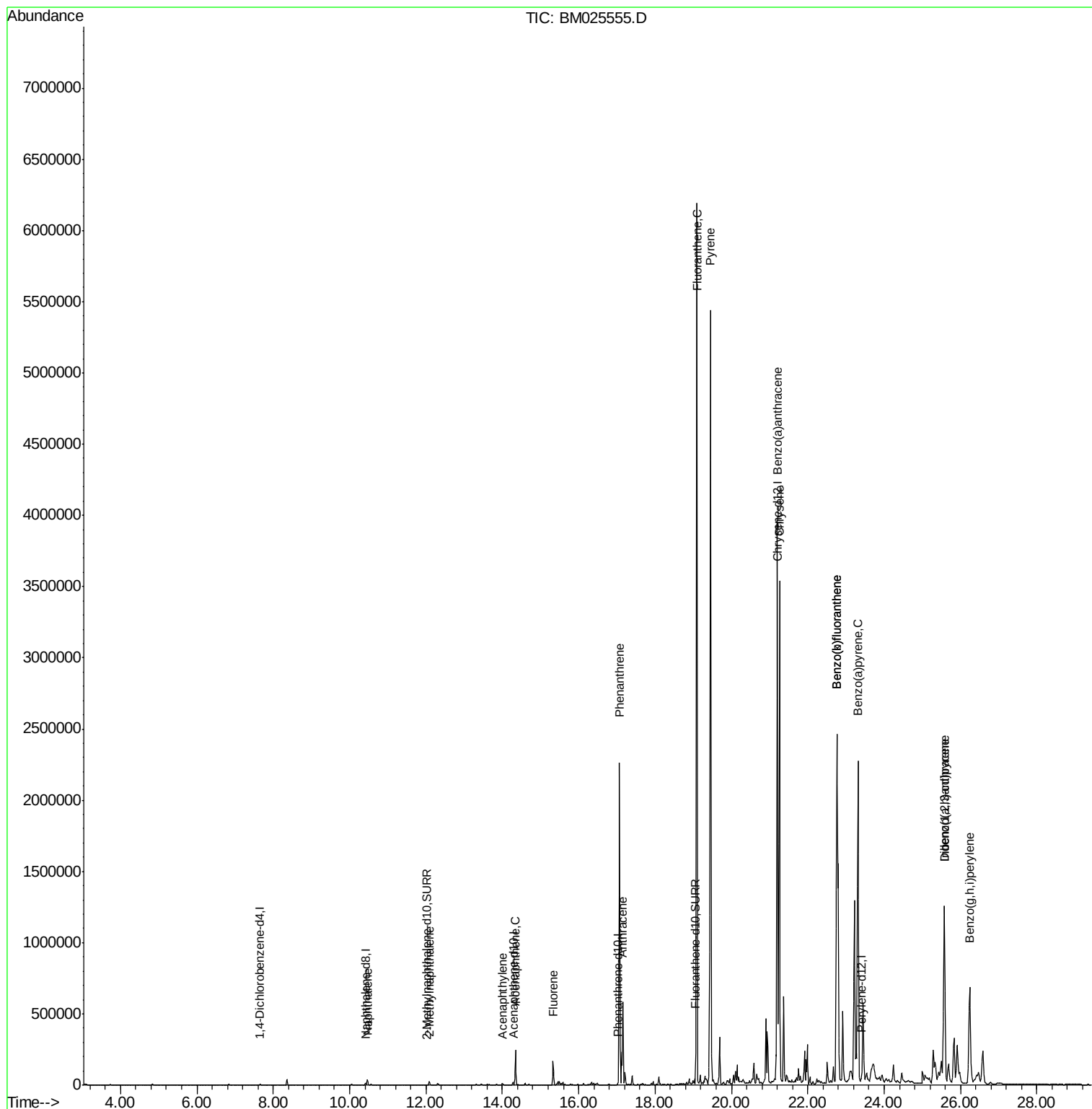
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.47	128	51672	1.018	ng/ul	98
5) 2-Methylnaphthalene	12.09	142	16629	0.458	ng/ul	99
7) Acenaphthylene	14.00	152	11139	0.275	ng/ul#	87
8) Acenaphthene	14.35	153	136070	3.832	ng/ul	98
9) Fluorene	15.33	166	102403	2.366	ng/ul	99
12) Phenanthrene	17.07	178	2350476	37.872	ng/ul	99
13) Anthracene	17.16	178	594307	11.004	ng/ul	99
15) Fluoranthene	19.09	202	5596187	83.179	ng/ul	98
17) Pyrene	19.45	202	4904422	55.769	ng/ul	99
18) Benzo(a)anthracene	21.20	228	3399809	48.534	ng/ul	98
19) Chrysene	21.26	228	3197716	40.650	ng/ul	97
21) Benzo(b)fluoranthene	22.76	252	5727888	57.543	ng/ul	96
22) Benzo(k)fluoranthene	22.76	252	5727888	54.920	ng/ul	97
23) Benzo(a)pyrene	23.31	252	3068548	37.122	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.58	276	1863606	16.618	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.58	278	541194	5.737	ng/ul	99
26) Benzo(g,h,i)perylene	26.24	276	1416922	14.565	ng/ul	98

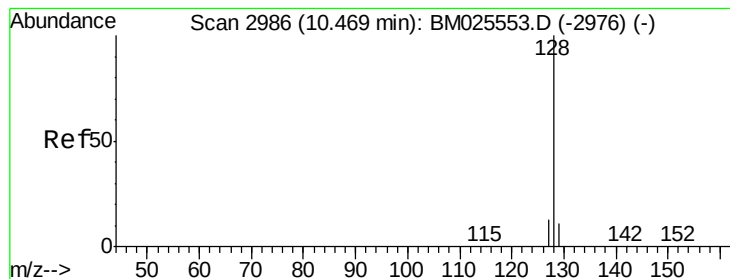
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.018 ng/ul

RT: 10.47 min Scan# 2986

Delta R.T. 0.00 min

Lab File: BM025555.D

Acq: 14 Mar 2020 00:14

Instrument :

BNA_M

ClientSampleId :

C0AC4

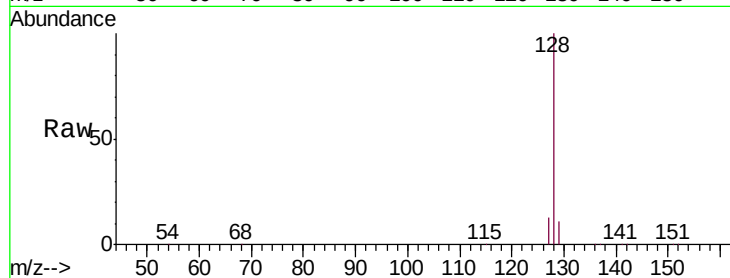
Tgt Ion:128 Resp: 51672

Ion Ratio Lower Upper

128 100

129 10.9 9.4 14.0

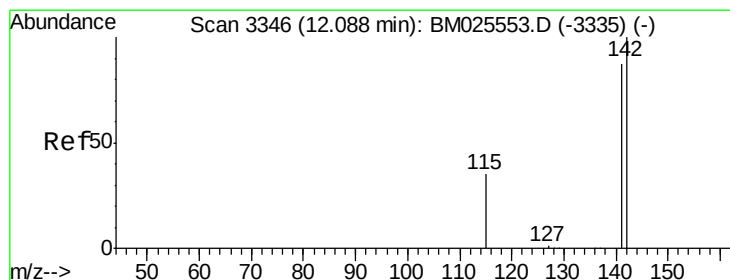
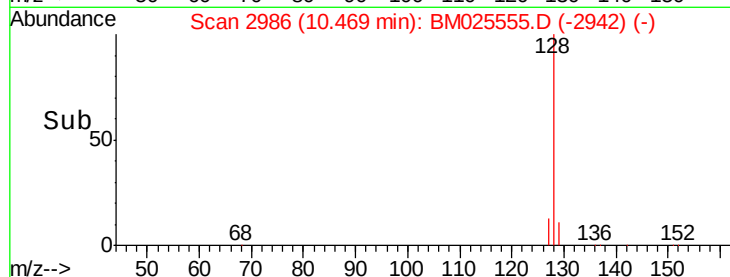
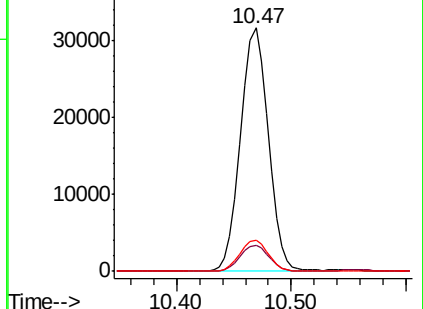
127 12.9 10.9 16.3



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: 0.458 ng/ul

RT: 12.09 min Scan# 3346

Delta R.T. 0.00 min

Lab File: BM025555.D

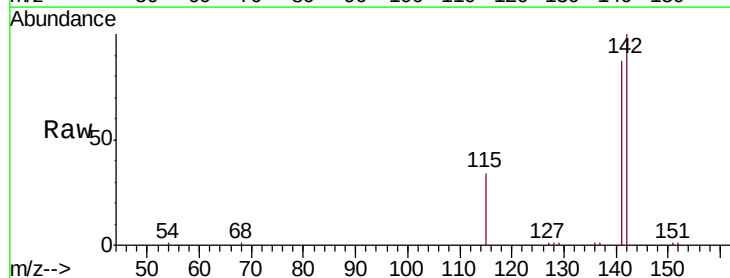
Acq: 14 Mar 2020 00:14

Tgt Ion:142 Resp: 16629

Ion Ratio Lower Upper

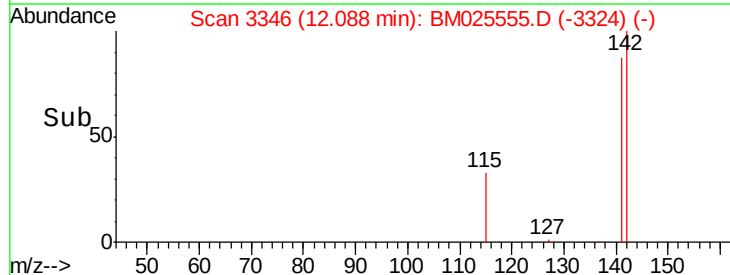
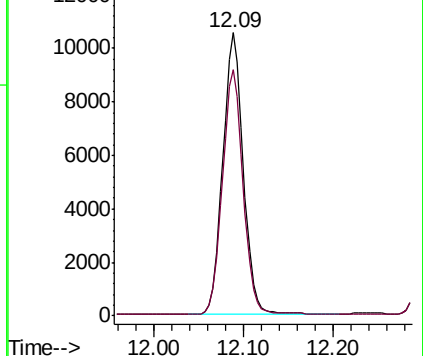
142 100

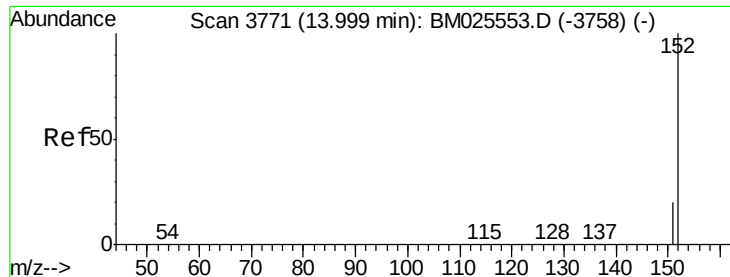
141 87.8 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.275 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. 0.00 min

Lab File: BM025555.D

Acq: 14 Mar 2020 00:14

Instrument :

BNA_M

ClientSampleId :

C0AC4

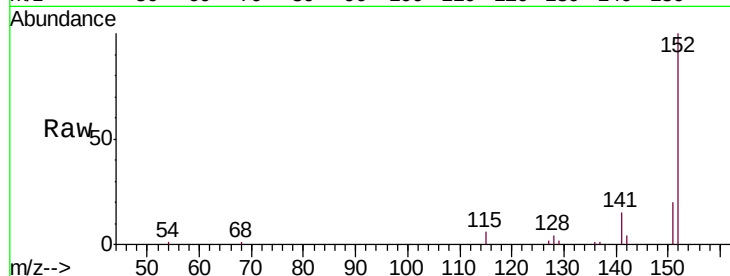
Tgt Ion:152 Resp: 11139

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

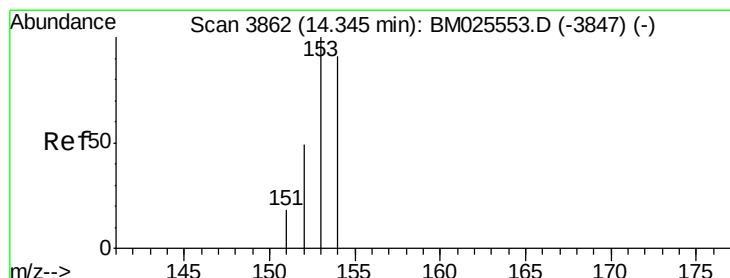
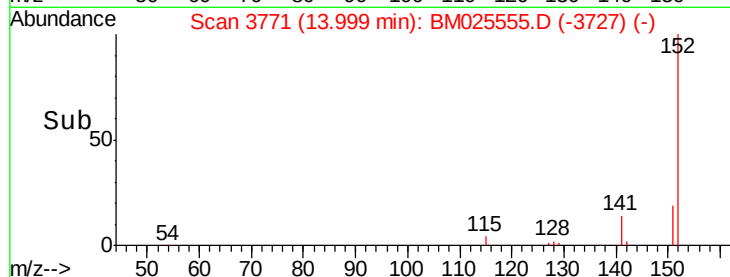
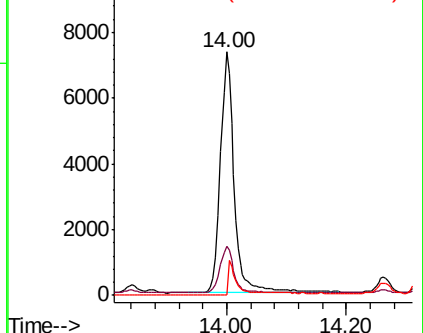
153 0.0 10.6 16.0#



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: 3.832 ng/ul

RT: 14.35 min Scan# 3862

Delta R.T. 0.00 min

Lab File: BM025555.D

Acq: 14 Mar 2020 00:14

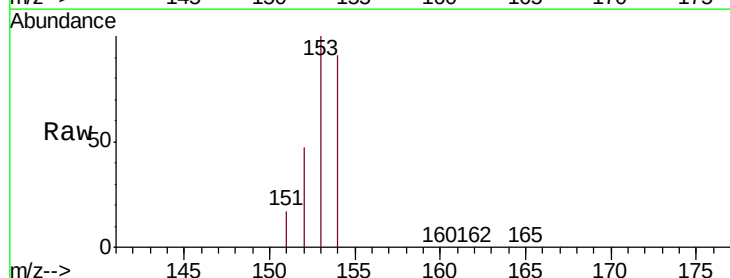
Tgt Ion:153 Resp: 136070

Ion Ratio Lower Upper

153 100

152 47.1 39.5 59.3

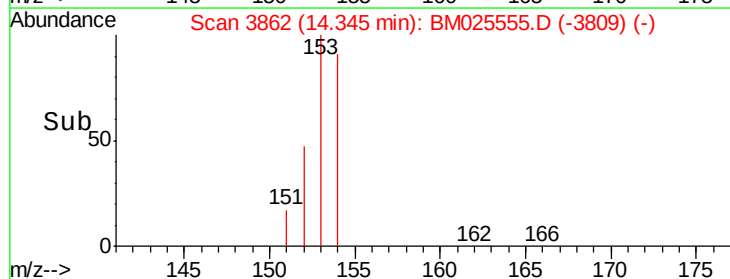
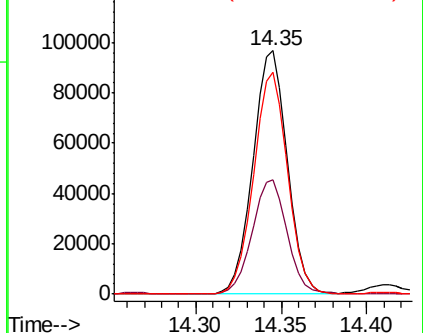
154 90.9 71.7 107.5

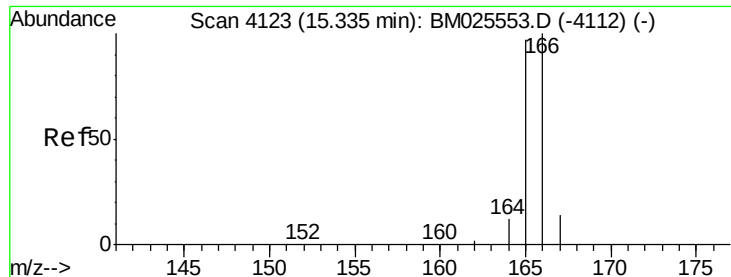


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

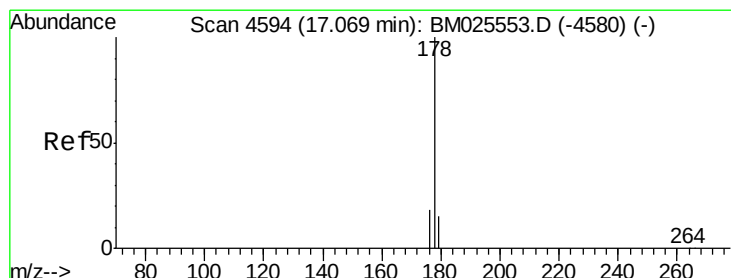
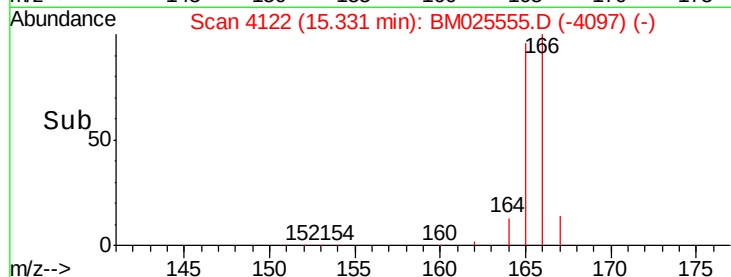
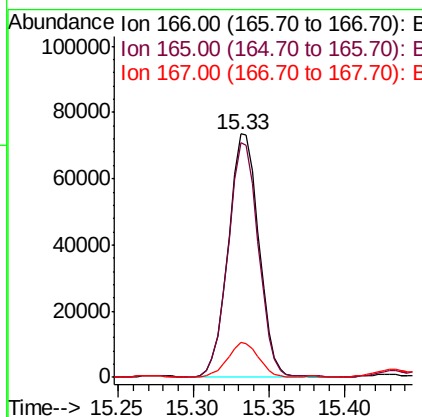
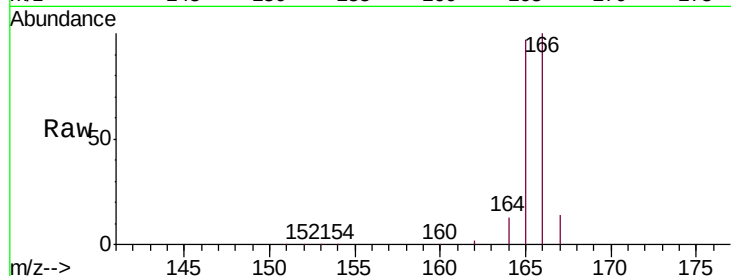




#9
Fluorene
 Concen: 2.366 ng/ul
 RT: 15.33 min Scan# 4122
 Delta R.T. -0.00 min
 Lab File: BM025555.D
 Acq: 14 Mar 2020 00:14

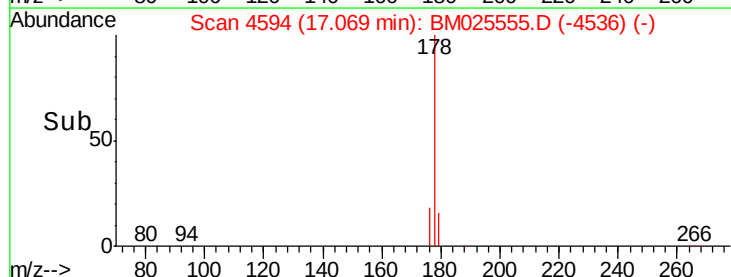
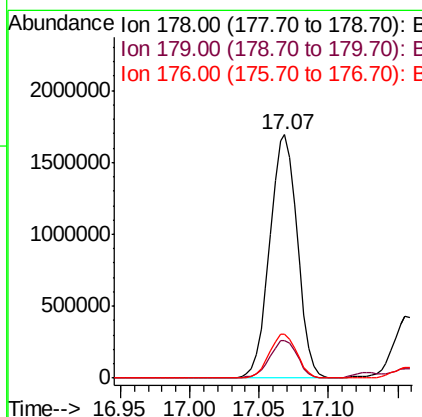
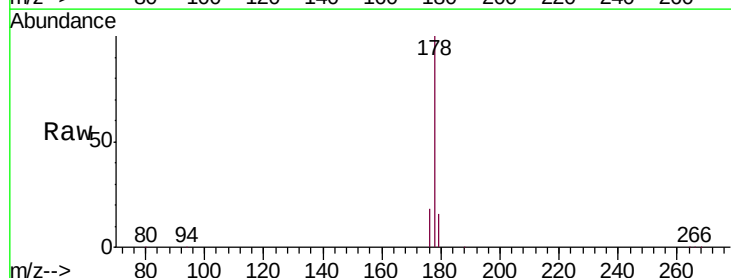
Instrument :
 BNA_M
 ClientSampleId :
 C0AC4

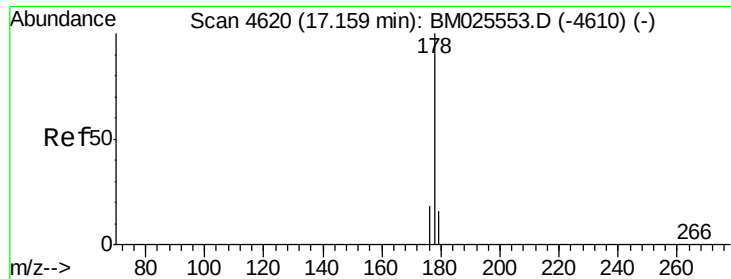
Tgt Ion:166 Resp: 102403
 Ion Ratio Lower Upper
 166 100
 165 96.5 76.8 115.2
 167 14.2 11.2 16.8



#12
Phenanthrene
 Concen: 37.872 ng/ul
 RT: 17.07 min Scan# 4594
 Delta R.T. 0.00 min
 Lab File: BM025555.D
 Acq: 14 Mar 2020 00:14

Tgt Ion:178 Resp: 2350476
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.4 18.6
 176 18.1 14.8 22.2





#13

Anthracene

Concen: 11.004 ng/ul

RT: 17.16 min Scan# 4619

Delta R.T. -0.00 min

Lab File: BM025555.D

Acq: 14 Mar 2020 00:14

Instrument :

BNA_M

ClientSampleId :

C0AC4

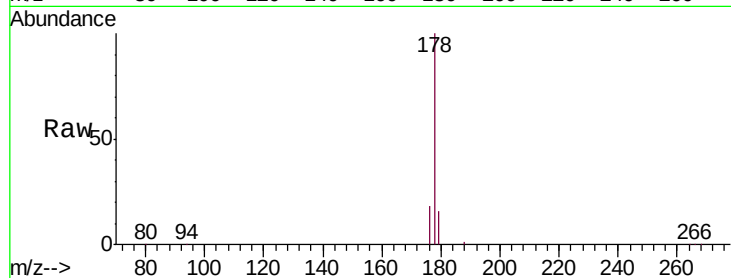
Tgt Ion:178 Resp: 594307

Ion Ratio Lower Upper

178 100

179 16.0 12.6 18.8

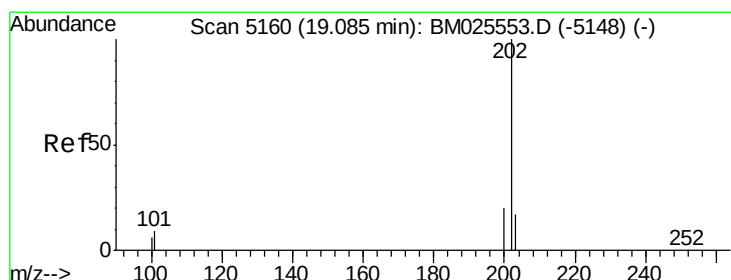
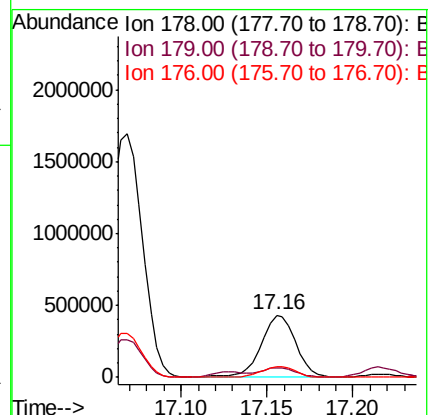
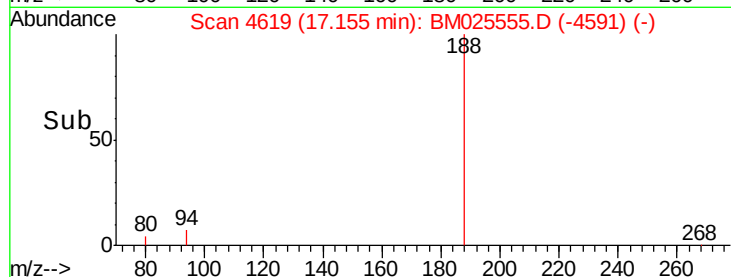
176 17.7 14.5 21.7



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: 83.179 ng/ul

RT: 19.09 min Scan# 5162

Delta R.T. 0.01 min

Lab File: BM025555.D

Acq: 14 Mar 2020 00:14

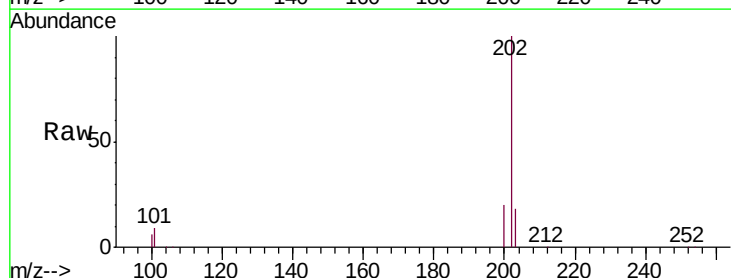
Tgt Ion:202 Resp: 5596187

Ion Ratio Lower Upper

202 100

101 8.5 0.0 27.5

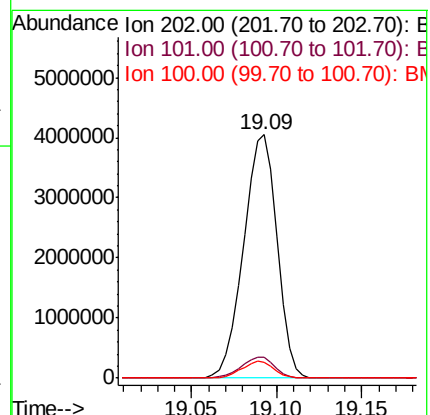
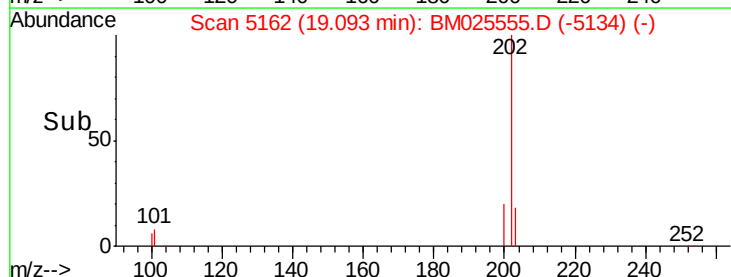
100 6.4 0.0 26.0

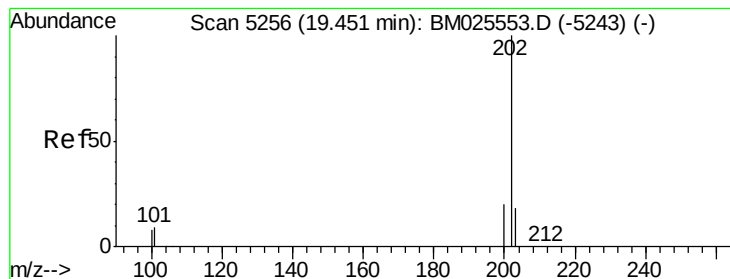


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pyrene

Concen: 55.769 ng/ul

RT: 19.45 min Scan# 5257

Delta R.T. 0.00 min

Lab File: BM025555.D

Acq: 14 Mar 2020 00:14

Instrument :

BNA_M

ClientSampleId :

C0AC4

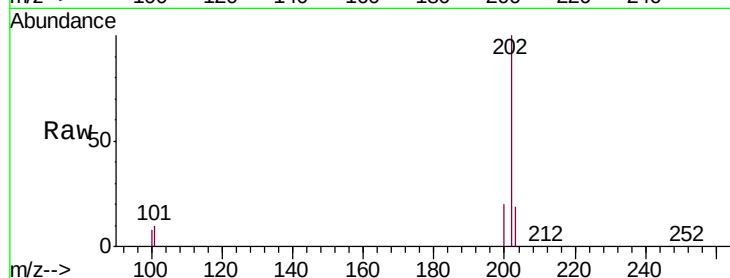
Tgt Ion:202 Resp: 4904422

Ion Ratio Lower Upper

202 100

101 9.6 7.1 10.7

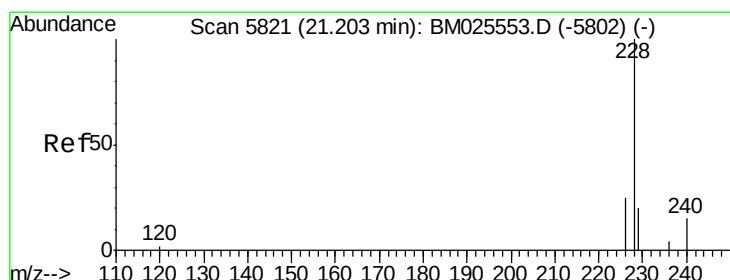
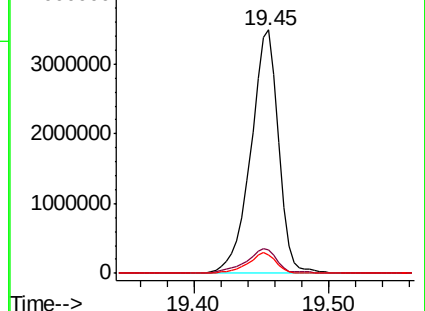
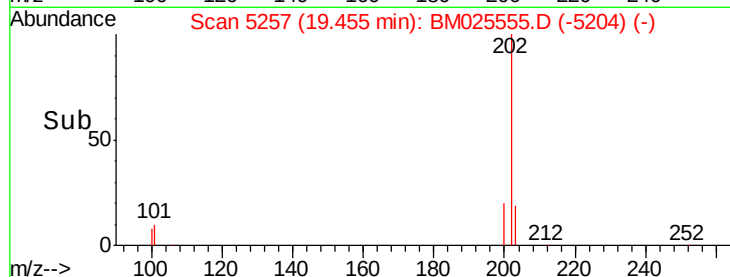
100 7.8 6.0 9.0



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: 48.534 ng/ul

RT: 21.20 min Scan# 5821

Delta R.T. 0.00 min

Lab File: BM025555.D

Acq: 14 Mar 2020 00:14

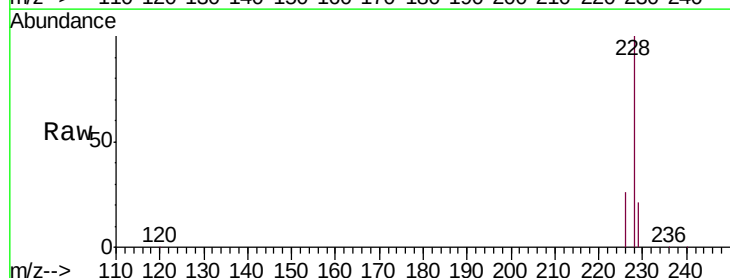
Tgt Ion:228 Resp: 3399809

Ion Ratio Lower Upper

228 100

229 21.1 15.6 23.4

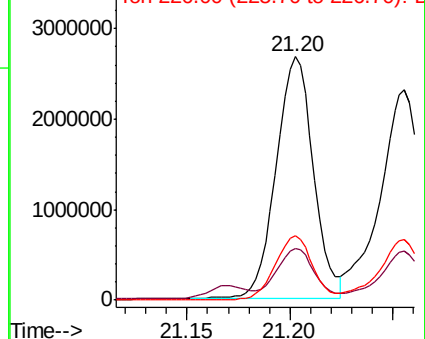
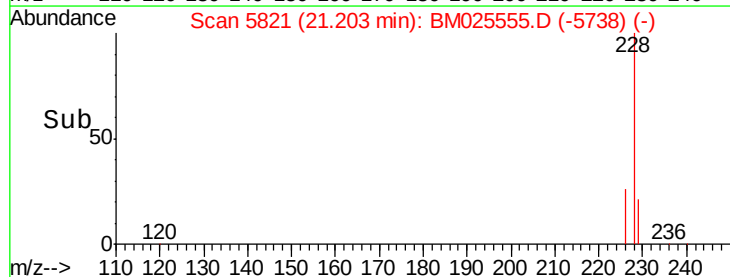
226 26.2 21.1 31.7

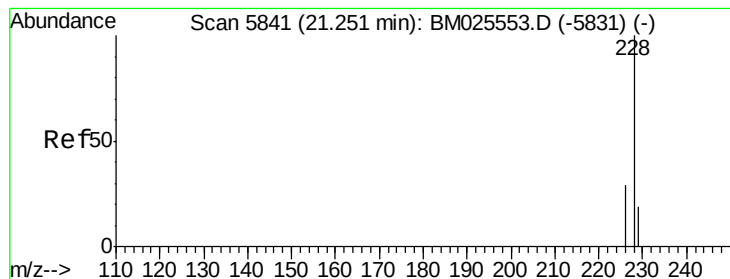


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 40.650 ng/ul

RT: 21.26 min Scan# 5843

Delta R.T. 0.00 min

Lab File: BM025555.D

Acq: 14 Mar 2020 00:14

Instrument :

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ClientSampleId :

C0AC4

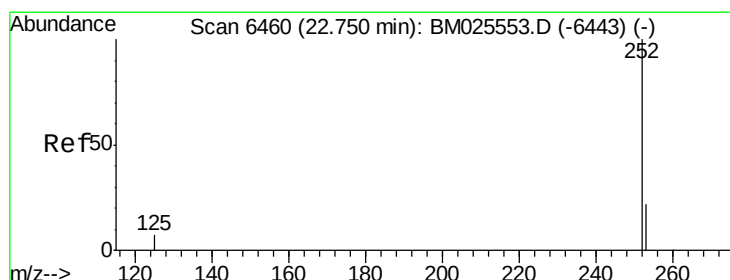
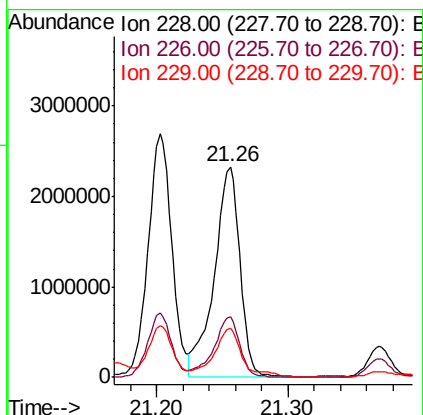
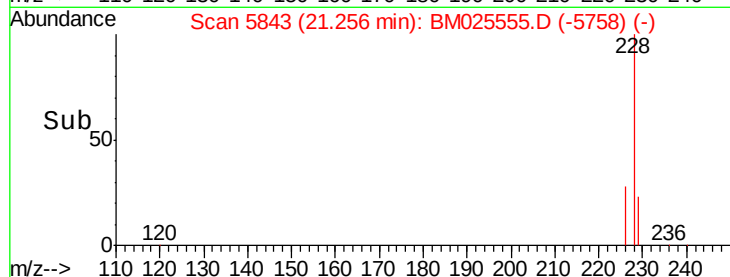
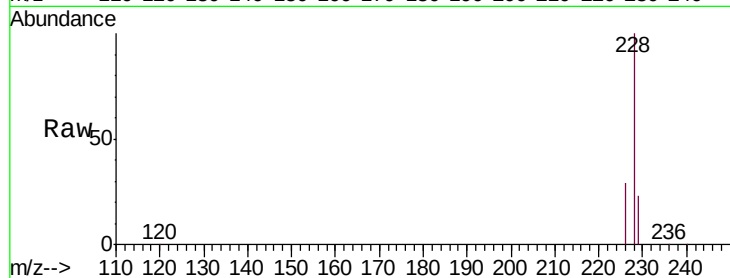
Tgt Ion:228 Resp: 3197716

Ion Ratio Lower Upper

228 100

226 28.5 23.6 35.4

229 23.1 16.3 24.5



#21

Benzo(b)fluoranthene

Concen: 57.543 ng/ul

RT: 22.76 min Scan# 6464

Delta R.T. 0.01 min

Lab File: BM025555.D

Acq: 14 Mar 2020 00:14

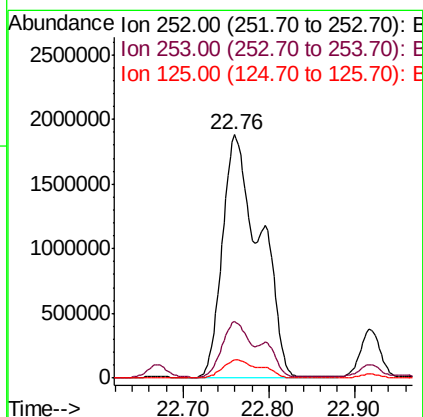
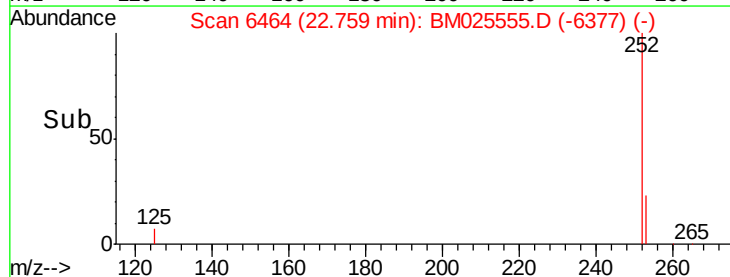
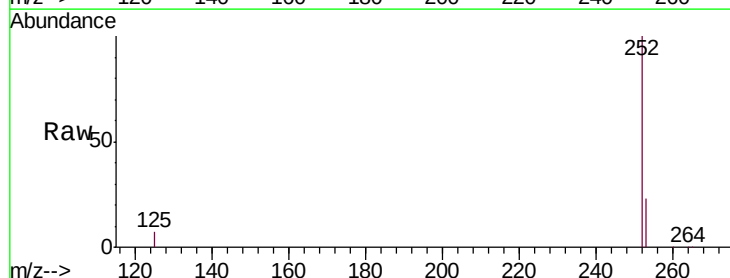
Tgt Ion:252 Resp: 5727888

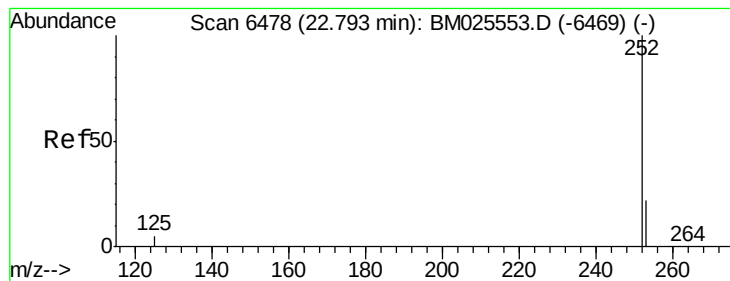
Ion Ratio Lower Upper

252 100

253 23.3 0.0 50.2

125 7.4 0.0 17.6





#22

Benzo(k)fluoranthene

Concen: 54.920 ng/ul

RT: 22.76 min Scan# 6464

Delta R.T. -0.03 min

Lab File: BM025555.D

Acq: 14 Mar 2020 00:14

Instrument :

BNA_M

ClientSampleId :

C0AC4

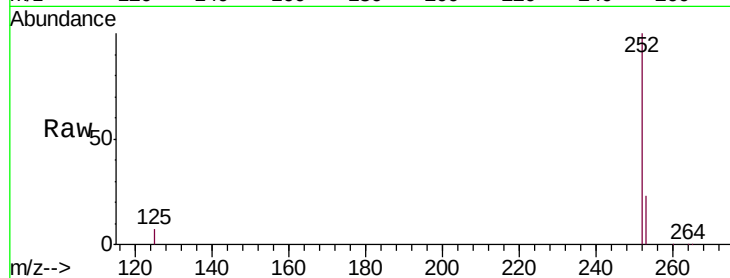
Tgt Ion:252 Resp: 5727888

Ion Ratio Lower Upper

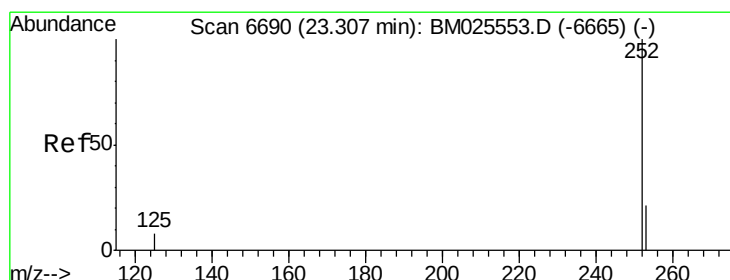
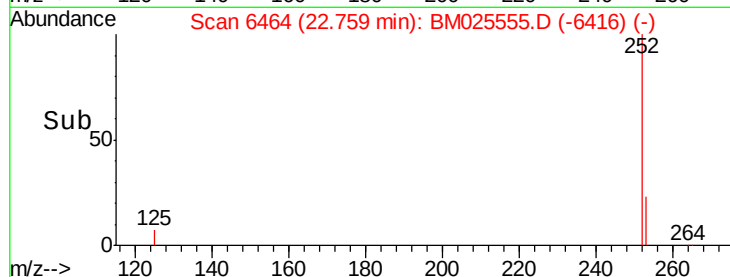
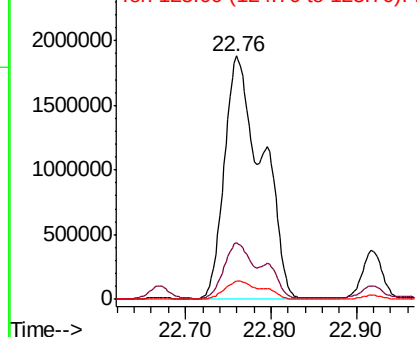
252 100

253 23.3 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: 37.122 ng/ul

RT: 23.31 min Scan# 6692

Delta R.T. 0.00 min

Lab File: BM025555.D

Acq: 14 Mar 2020 00:14

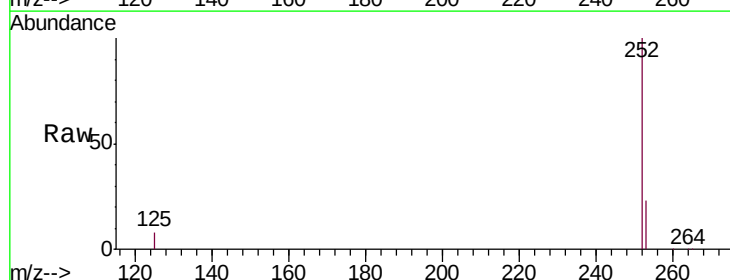
Tgt Ion:252 Resp: 3068548

Ion Ratio Lower Upper

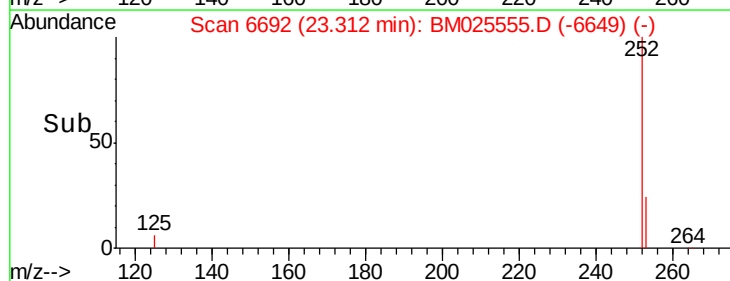
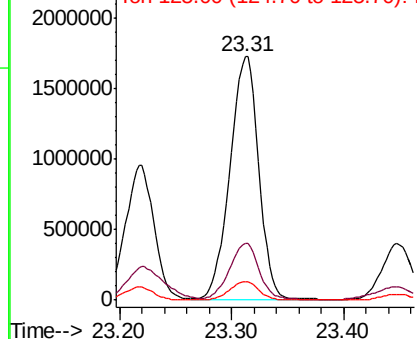
252 100

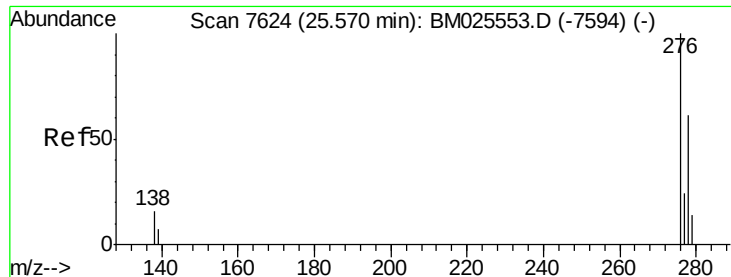
253 23.3 21.3 31.9

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



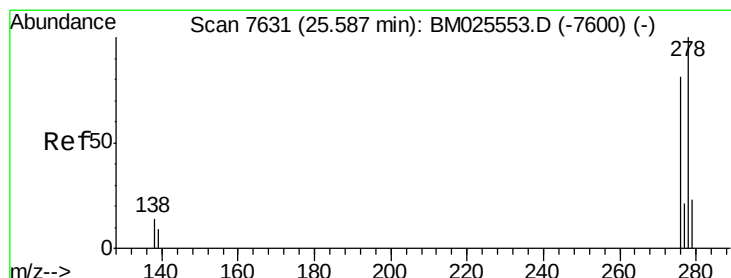
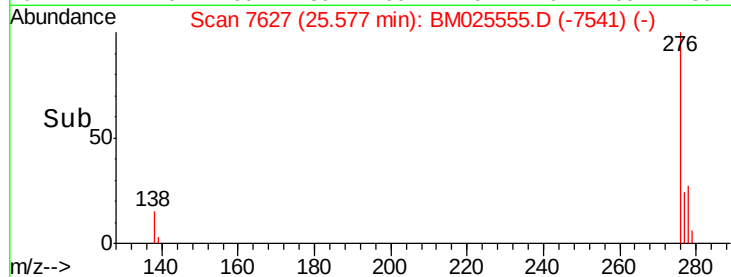
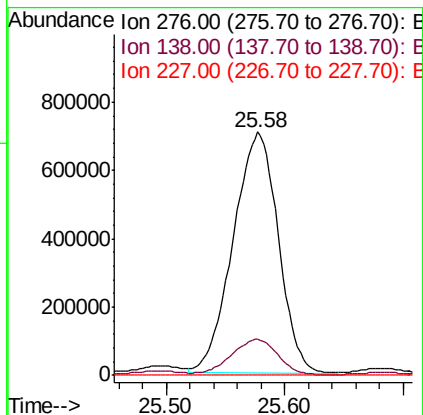
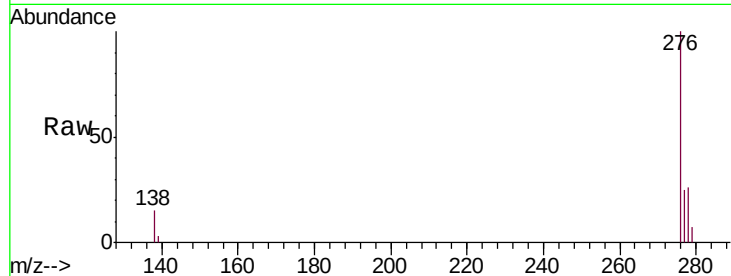


#24

Indeno(1,2,3-cd)pyrene
 Concen: 16.618 ng/ul
 RT: 25.58 min Scan# 7627
 Delta R.T. 0.01 min
 Lab File: BM025555.D
 Acq: 14 Mar 2020 00:14

Instrument :
 BNA_M
 ClientSampleId :
 C0AC4

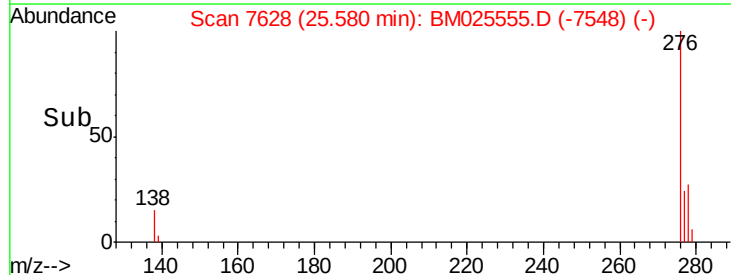
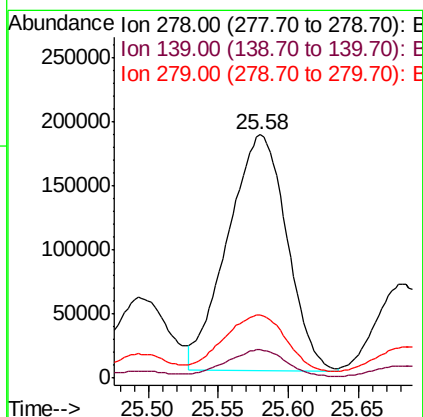
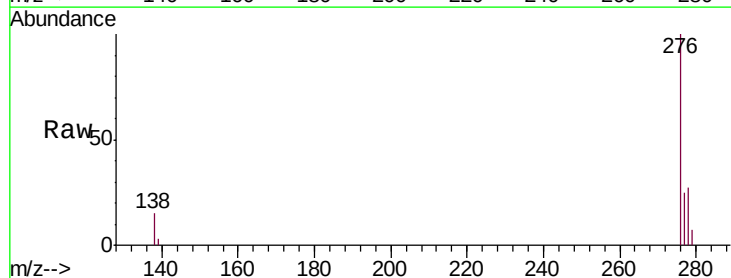
Tgt Ion:276 Resp: 1863606
 Ion Ratio Lower Upper
 276 100
 138 15.0 12.3 18.5
 227 0.0 0.0 0.0

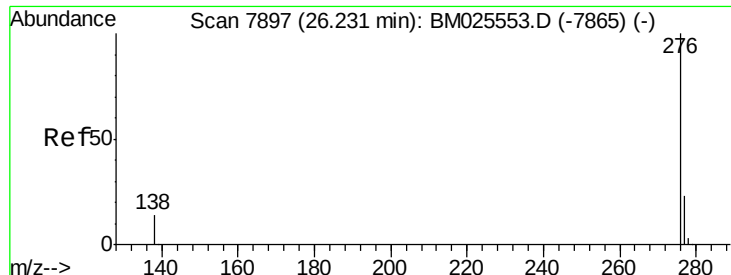


#25

Dibenzo(a,h)anthracene
 Concen: 5.737 ng/ul
 RT: 25.58 min Scan# 7628
 Delta R.T. -0.01 min
 Lab File: BM025555.D
 Acq: 14 Mar 2020 00:14

Tgt Ion:278 Resp: 541194
 Ion Ratio Lower Upper
 278 100
 139 11.7 9.0 13.6
 279 26.0 21.1 31.7





#26

Benzo(g,h,i)perylene

Concen: 14.565 ng/ul

RT: 26.24 min Scan# 7900

Delta R.T. 0.01 min

Lab File: BM025555.D

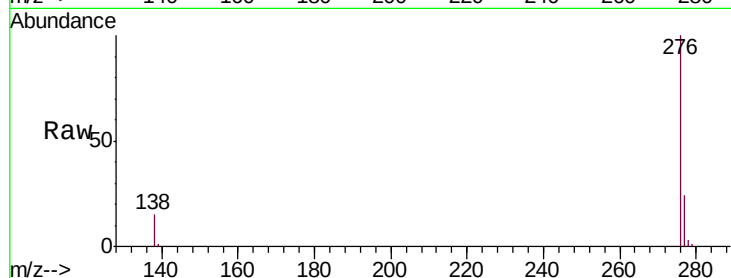
Acq: 14 Mar 2020 00:14

Instrument :

BNA_M

ClientSampleId :

C0AC4



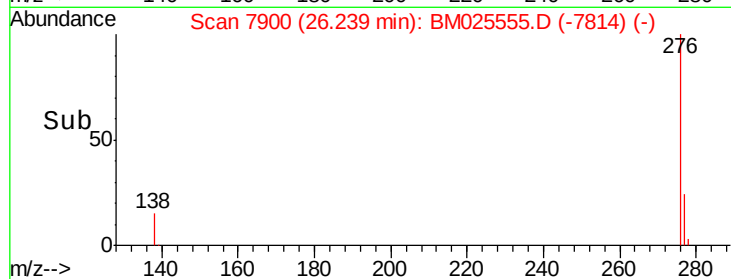
Tgt Ion: 276 Resp: 1416922

Ion Ratio Lower Upper

276 100

138 15.0 11.0 16.4

277 24.3 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

