

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\
 Data File : BM025400.D
 Acq On : 09 Mar 2020 00:32
 Operator : CG/JU
 Sample : L1617-20
 Misc :
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 09 01:16:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 08:02:03 2020
 Response via : Initial Calibration

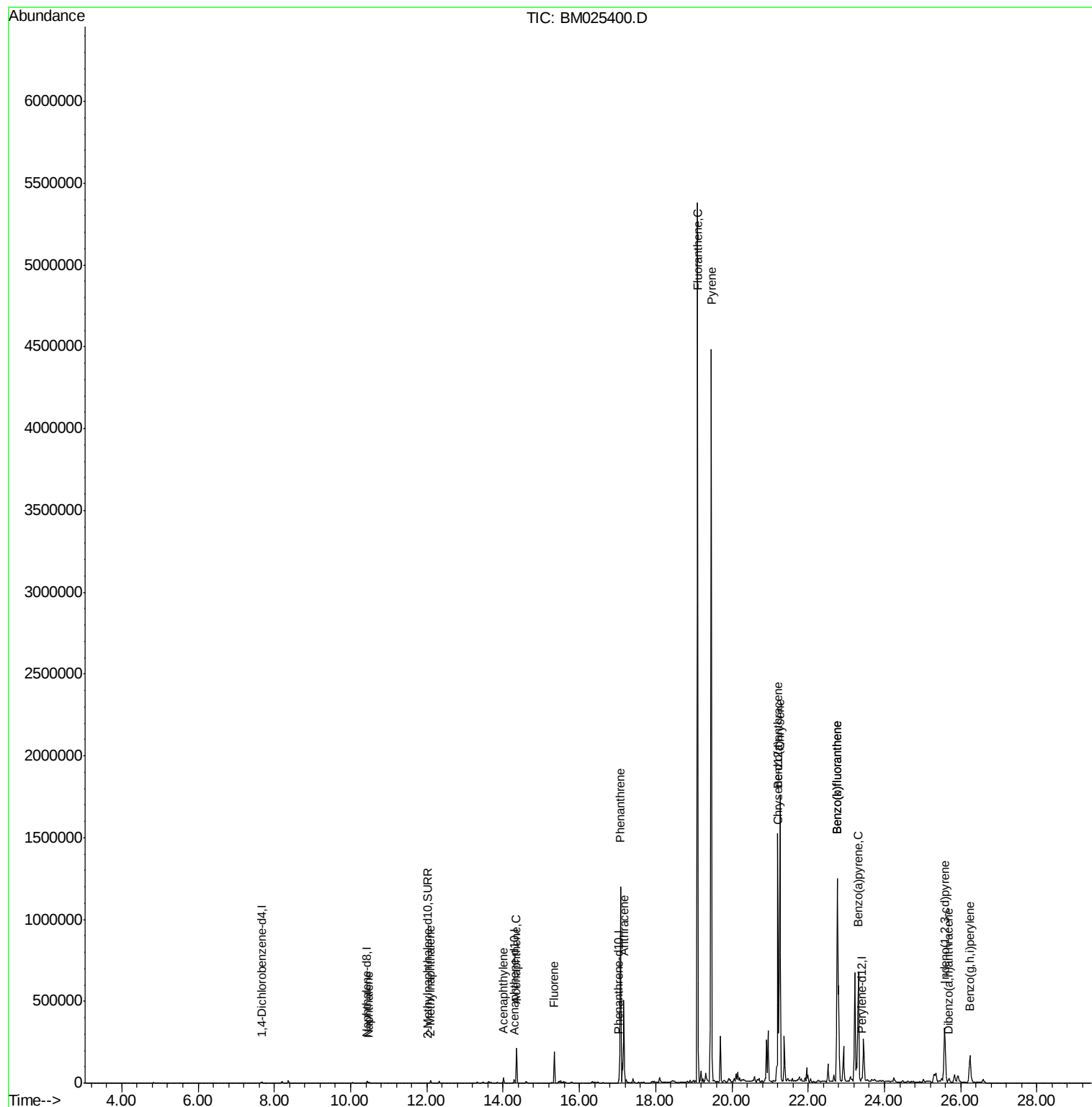
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	3708	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.43	136	15807	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.29	164	10970	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.03	188	26591	0.40	ng/ul	-0.01
16) Chrysene-d12	21.22	240	27097	0.40	ng/ul	0.00
20) Perylene-d12	23.41	264	26144	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	630	0.02	ng/ul	-0.02
14) Fluoranthene-d10	19.07	212	1710	0.02	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.48	128	5435	0.114	ng/ul#	85
5) 2-Methylnaphthalene	12.10	142	9615	0.277	ng/ul	100
7) Acenaphthylene	14.01	152	33937	0.661	ng/ul	94
8) Acenaphthene	14.35	153	115780	2.906	ng/ul	98
9) Fluorene	15.34	166	113079	2.264	ng/ul	96
12) Phenanthrene	17.08	178	1214973	14.169	ng/ul	95
13) Anthracene	17.17	178	511670	6.724	ng/ul	95
15) Fluoranthene	19.10	202	4713438	43.920	ng/ul	95
17) Pyrene	19.46	202	3920218	38.147	ng/ul	97
18) Benzo(a)anthracene	21.21	228	1274250	12.793	ng/ul	100
19) Chrysene	21.26	228	1817556	16.608	ng/ul	99
21) Benzo(b)fluoranthene	22.76	252	2590750	24.768	ng/ul	91
22) Benzo(k)fluoranthene	22.76	252	2590750	23.618	ng/ul#	93
23) Benzo(a)pyrene	23.31	252	920169	10.478	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.58	276	536075	4.897	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.69	278	38052	0.419	ng/ul	93
26) Benzo(a,h,i)perylene	26.24	276	341295	3.671	ng/ul#	91

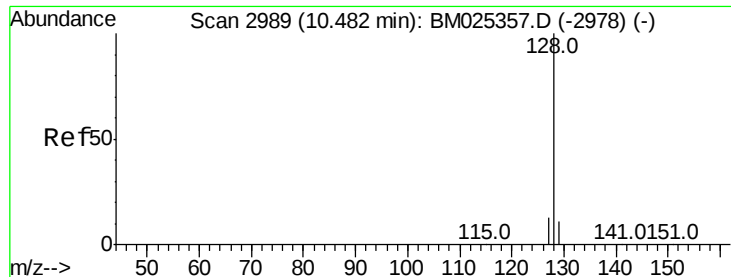
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.114 ng/ul

RT: 10.48 min Scan# 2988

Delta R.T. -0.02 min

Lab File: BM025400.D

Acq: 09 Mar 2020 00:32

Instrument :

BNA_M

ClientSampleId :

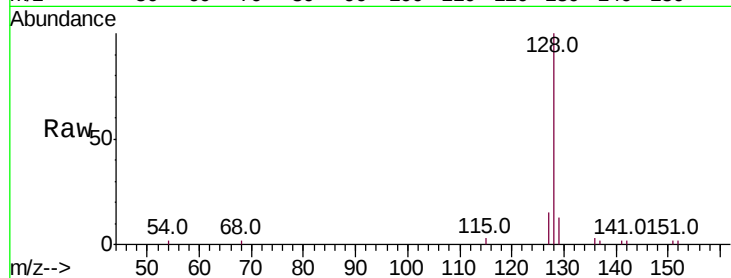
Tot Ion:128 Resp: 5435

Ion Ratio Lower Upper

128 100

129 12.7 17.0 25.6#

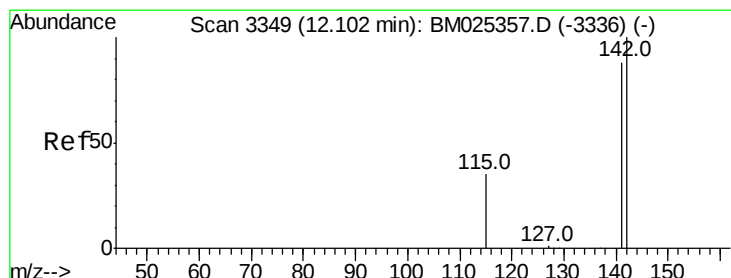
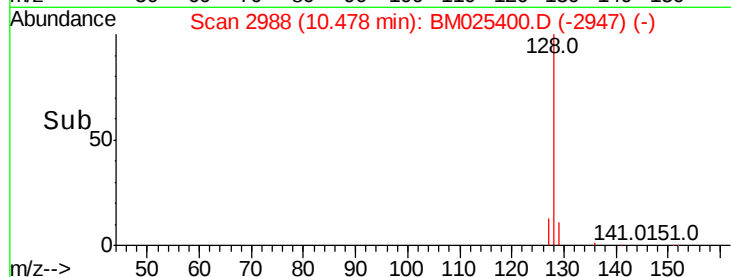
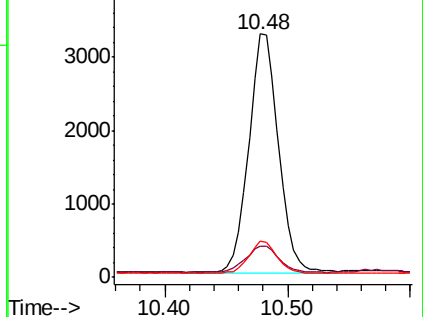
127 14.8 15.7 23.5#



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: 0.277 ng/ul

RT: 12.10 min Scan# 3349

Delta R.T. -0.01 min

Lab File: BM025400.D

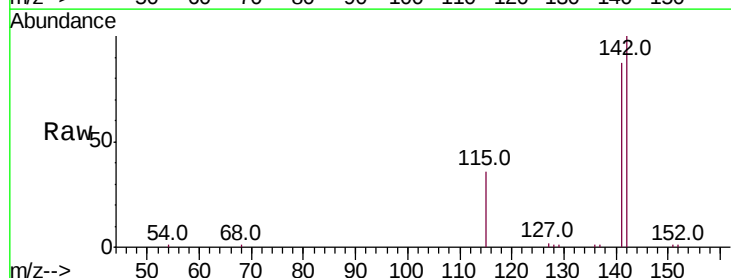
Acq: 09 Mar 2020 00:32

Tgt Ion:142 Resp: 9615

Ion Ratio Lower Upper

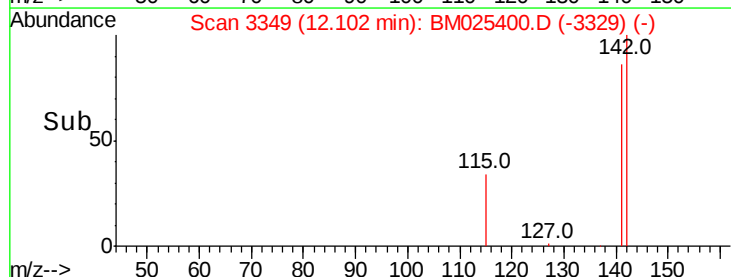
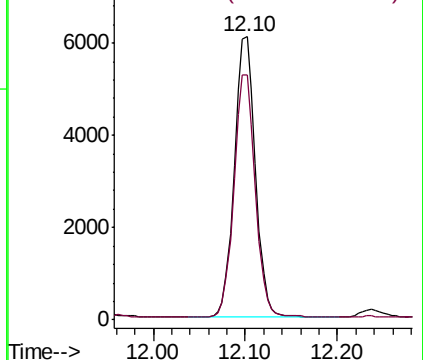
142 100

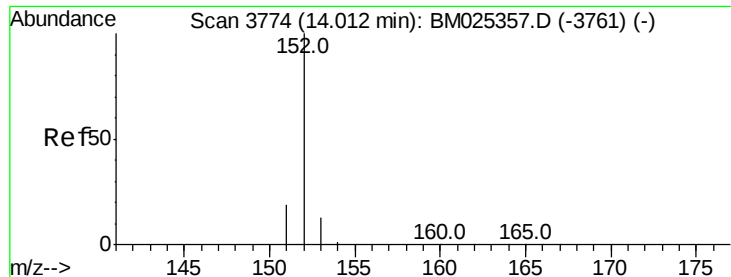
141 87.6 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.661 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.01 min

Lab File: BM025400.D

Acq: 09 Mar 2020 00:32

Instrument :

BNA_M

ClientSampleId :

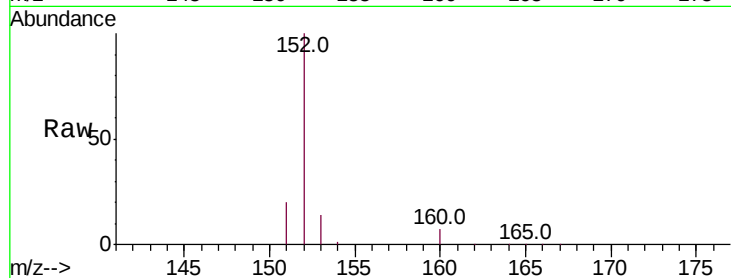
Tot Ion:152 Resp: 33937

Ion Ratio Lower Upper

152 100

151 19.6 17.8 26.8

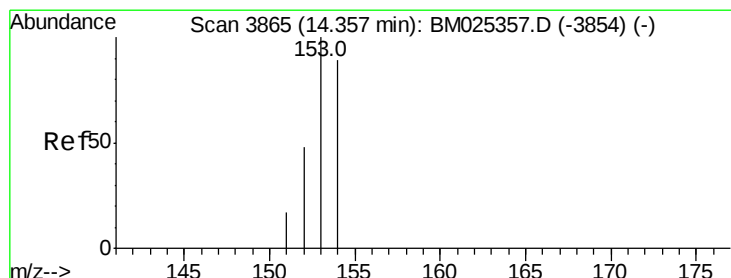
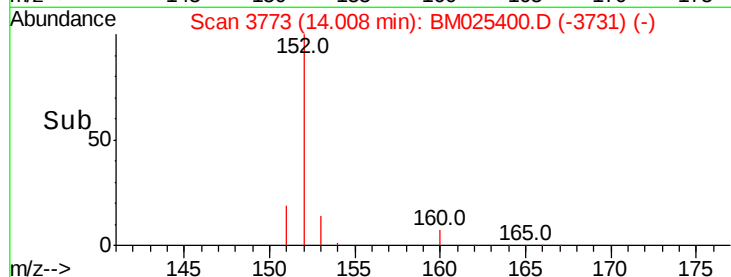
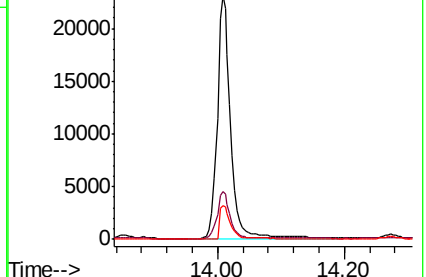
153 13.8 13.3 19.9



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: 2.906 ng/ul

RT: 14.35 min Scan# 3864

Delta R.T. -0.01 min

Lab File: BM025400.D

Acq: 09 Mar 2020 00:32

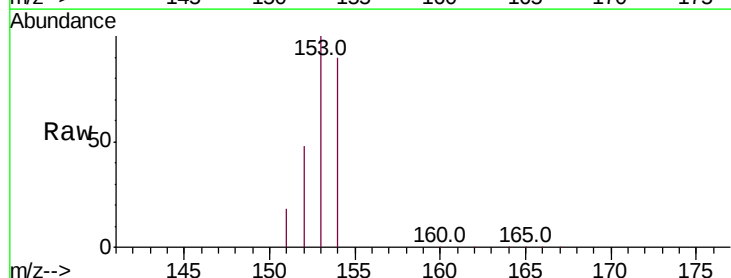
Tgt Ion:153 Resp: 115780

Ion Ratio Lower Upper

153 100

152 47.7 40.0 60.0

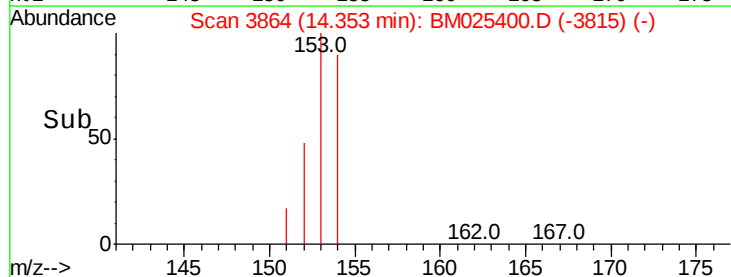
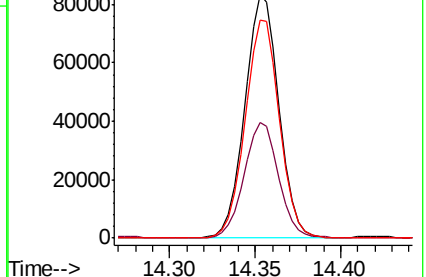
154 89.6 71.0 106.6

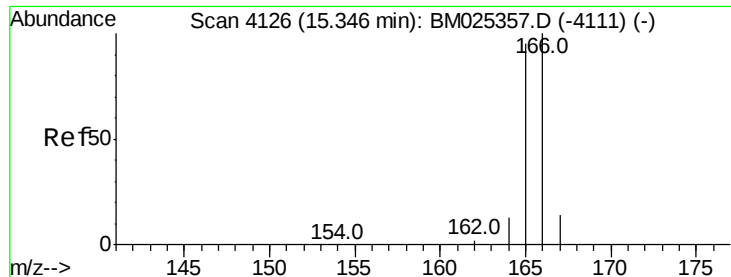


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 2.264 ng/ul

RT: 15.34 min Scan# 4125

Delta R.T. -0.01 min

Lab File: BM025400.D

Acq: 09 Mar 2020 00:32

Instrument :

BNA_M

ClientSampled :

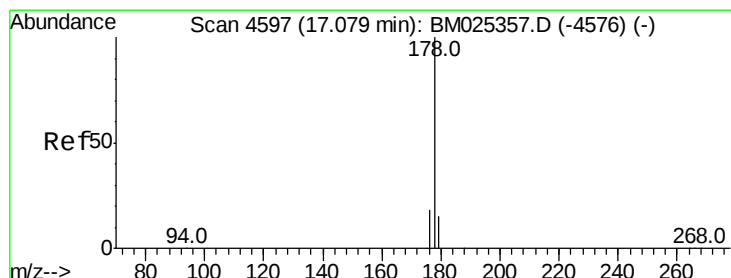
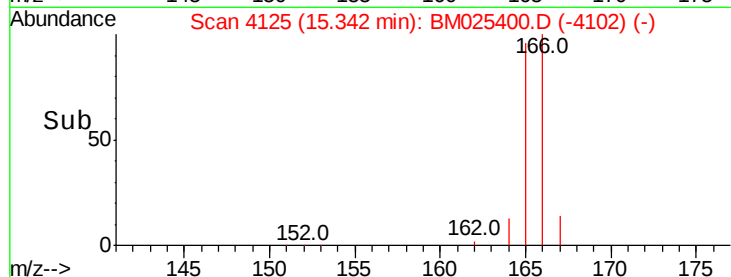
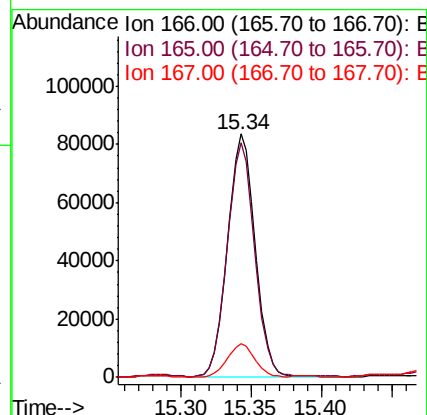
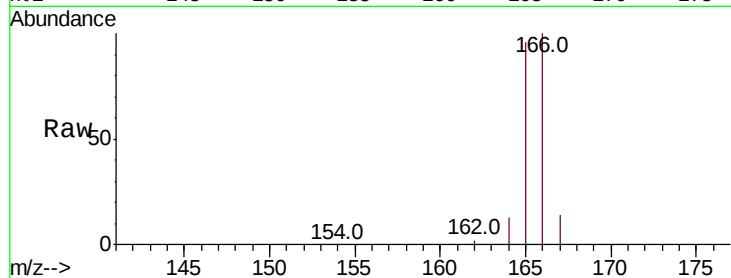
Tot Ion:166 Resp: 113079

Ion Ratio Lower Upper

166 100

165 96.2 80.0 120.0

167 13.7 13.7 20.5



#12

Phenanthrene

Concen: 14.169 ng/ul

RT: 17.08 min Scan# 4596

Delta R.T. -0.01 min

Lab File: BM025400.D

Acq: 09 Mar 2020 00:32

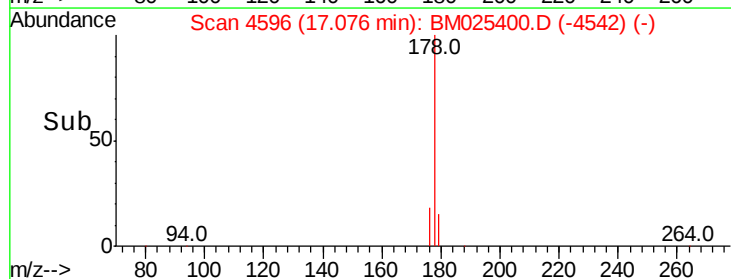
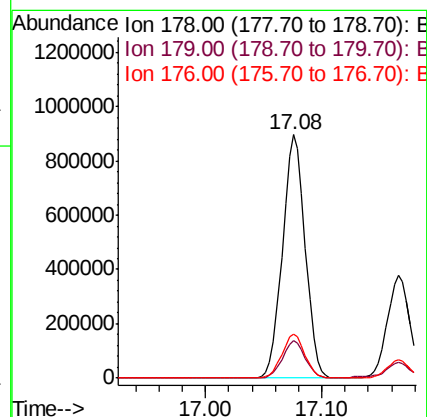
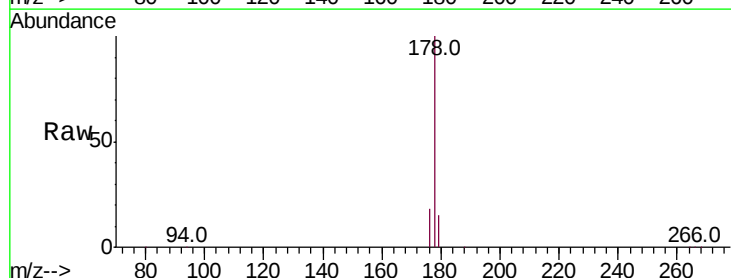
Tgt Ion:178 Resp: 1214973

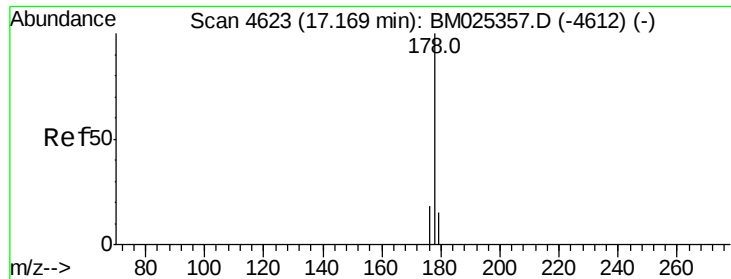
Ion Ratio Lower Upper

178 100

179 15.4 14.0 21.0

176 18.2 16.6 24.8





#13

Anthracene

Concen: 6.724 ng/ul

RT: 17.17 min Scan# 4622

Delta R.T. -0.01 min

Lab File: BM025400.D

Acq: 09 Mar 2020 00:32

Instrument :

BNA_M

ClientSampled :

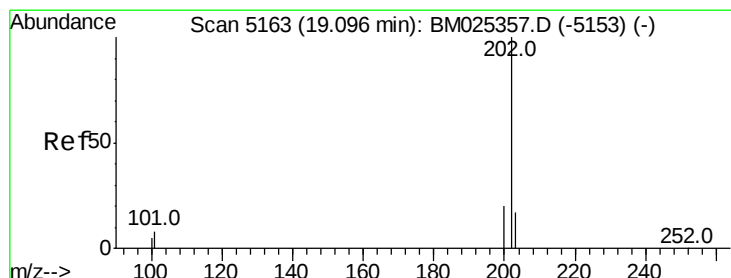
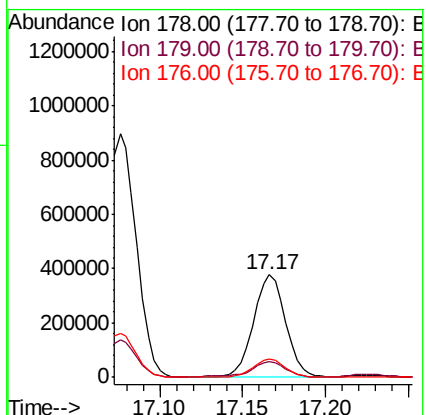
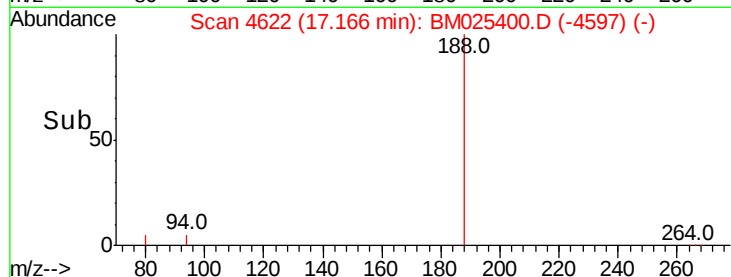
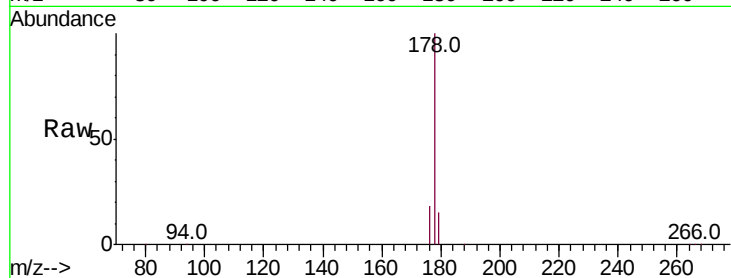
Tot Ion:178 Resp: 511670

Ion Ratio Lower Upper

178 100

179 15.5 14.1 21.1

176 17.8 16.2 24.4



#15

Fluoranthene

Concen: 43.920 ng/ul

RT: 19.10 min Scan# 5164

Delta R.T. -0.01 min

Lab File: BM025400.D

Acq: 09 Mar 2020 00:32

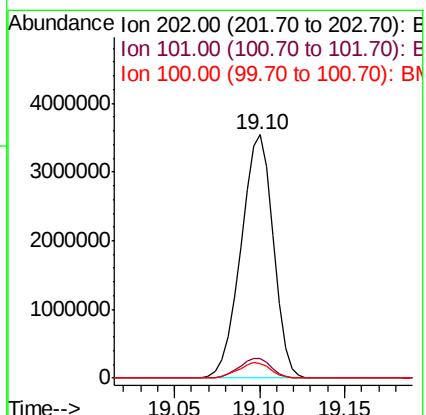
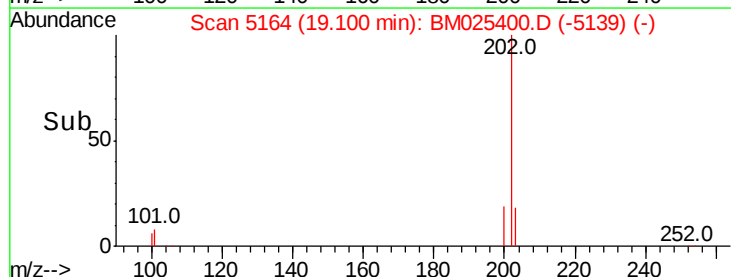
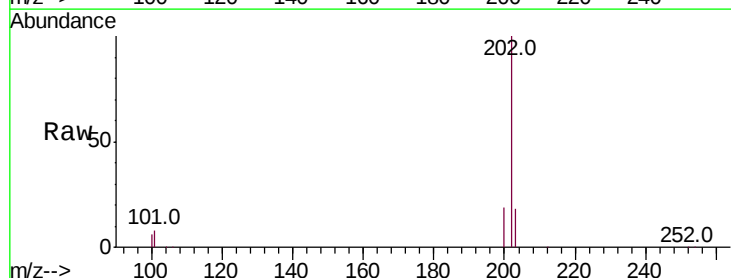
Tgt Ion:202 Resp: 4713438

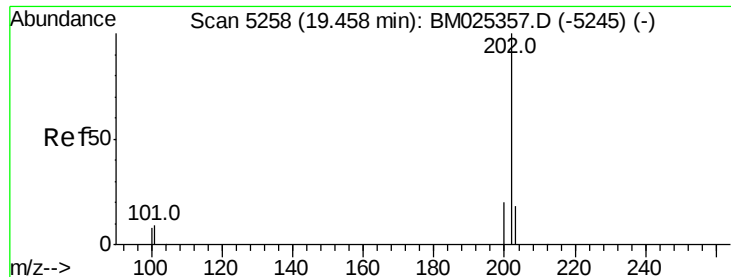
Ion Ratio Lower Upper

202 100

101 8.0 0.0 29.4

100 6.1 0.0 28.0

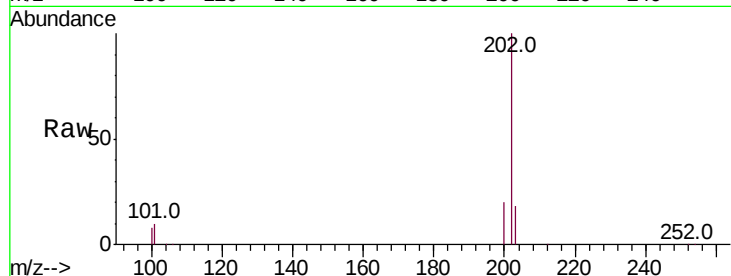




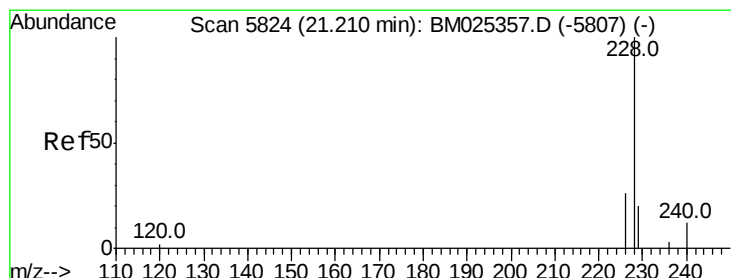
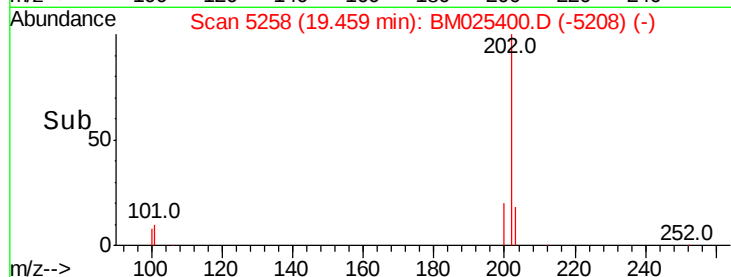
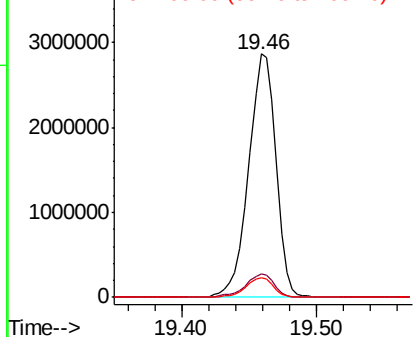
#17
Pvrene
Concen: 38.147 ng/ul
RT: 19.46 min Scan# 5258
Delta R.T. -0.01 min
Lab File: BM025400.D
Acq: 09 Mar 2020 00:32

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 3920218
Ion Ratio Lower Upper
202 100
101 9.9 8.7 13.1
100 8.1 7.3 10.9

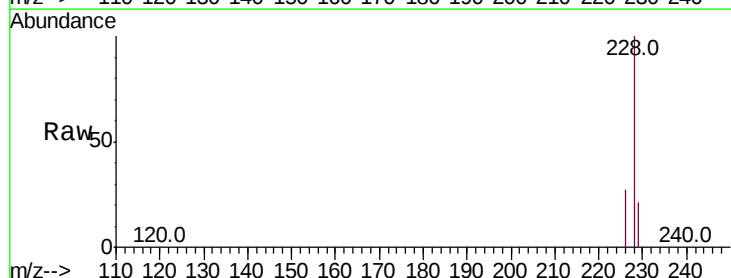


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

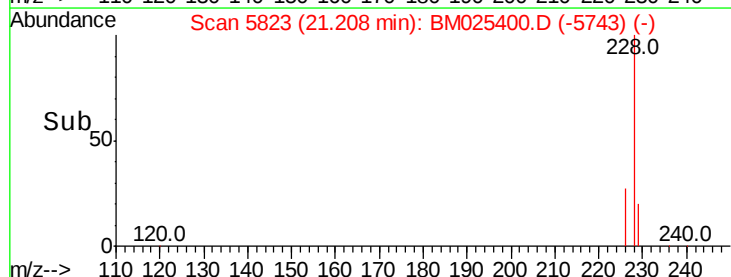
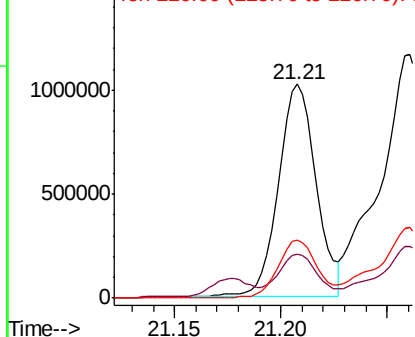


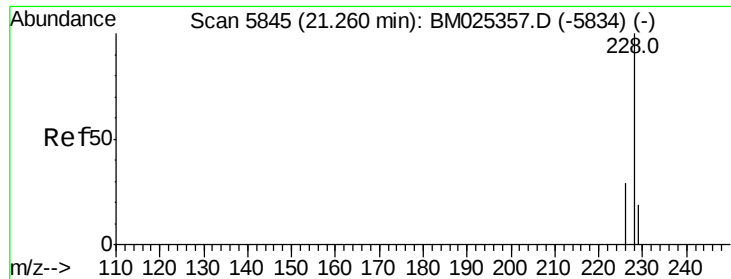
#18
Benzo(a)anthracene
Concen: 12.793 ng/ul
RT: 21.21 min Scan# 5823
Delta R.T. -0.01 min
Lab File: BM025400.D
Acq: 09 Mar 2020 00:32

Tgt Ion:228 Resp: 1274250
Ion Ratio Lower Upper
228 100
229 20.7 16.6 25.0
226 27.3 21.9 32.9



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: 16.608 ng/ul

RT: 21.26 min Scan# 5845

Delta R.T. -0.01 min

Lab File: BM025400.D

Acq: 09 Mar 2020 00:32

Instrument :

BNA_M

ClientSampleId :

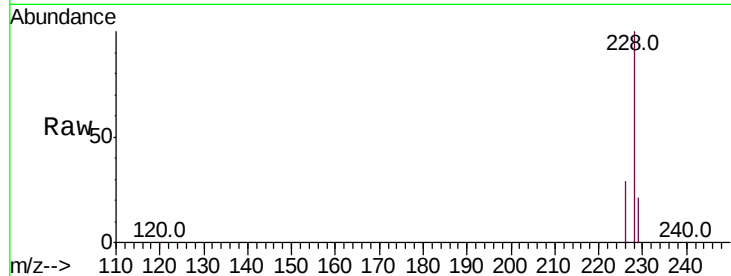
Tot Ion:228 Resp: 1817556

Ion Ratio Lower Upper

228 100

226 28.9 23.8 35.8

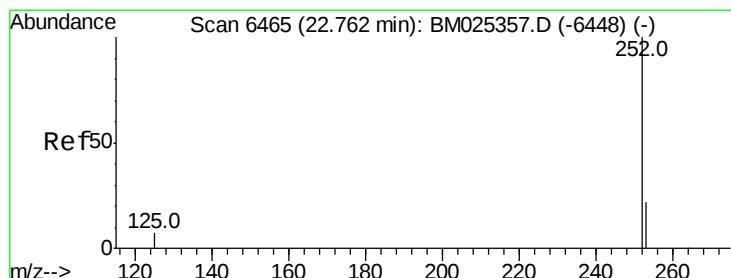
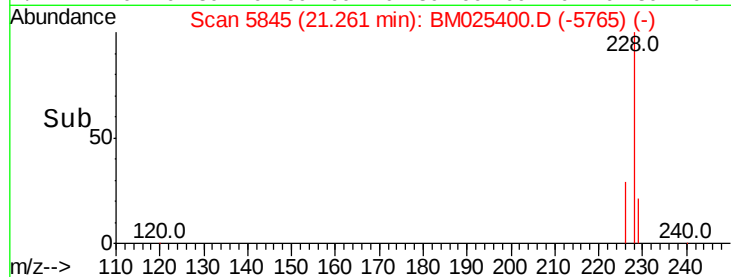
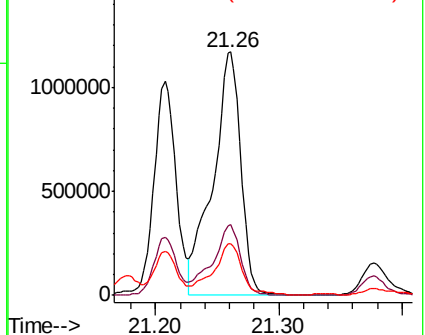
229 21.3 16.9 25.3



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: 24.768 ng/ul

RT: 22.76 min Scan# 6465

Delta R.T. -0.01 min

Lab File: BM025400.D

Acq: 09 Mar 2020 00:32

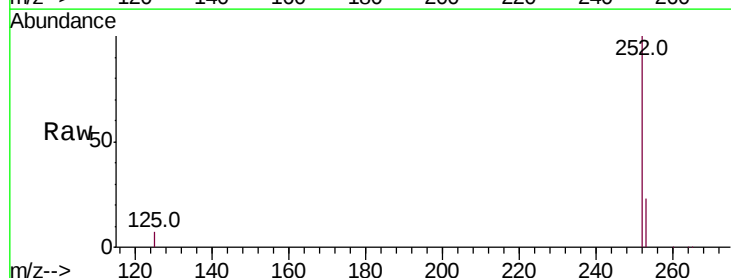
Tgt Ion:252 Resp: 2590750

Ion Ratio Lower Upper

252 100

253 22.9 0.0 49.8

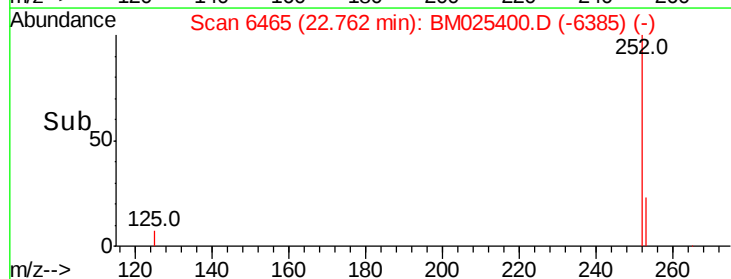
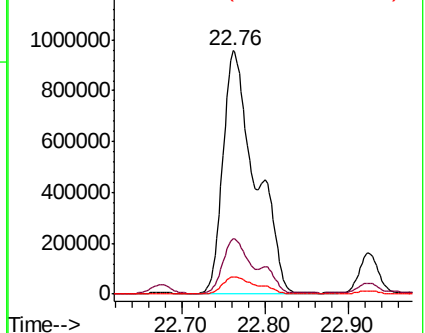
125 7.1 0.0 28.6

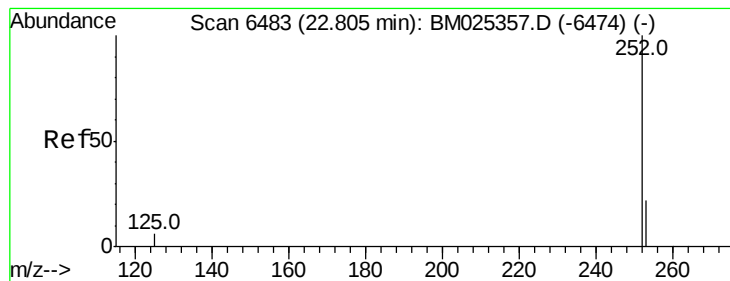


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 23.618 ng/ul

RT: 22.76 min Scan# 6465

Delta R.T. -0.05 min

Lab File: BM025400.D

Acq: 09 Mar 2020 00:32

Instrument :

BNA_M

ClientSampleId :

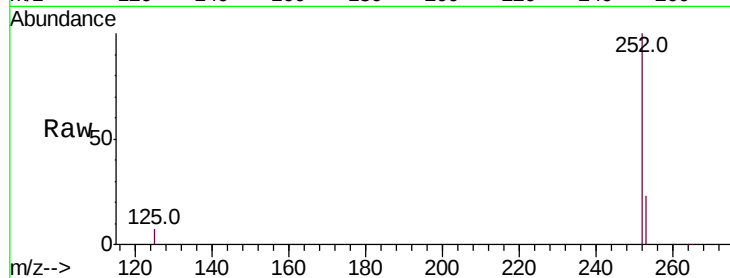
Tot Ion:252 Resp: 2590750

Ion Ratio Lower Upper

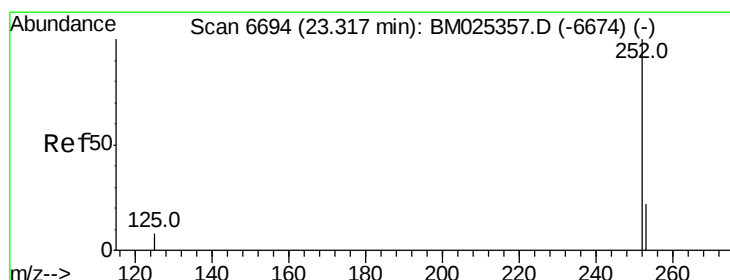
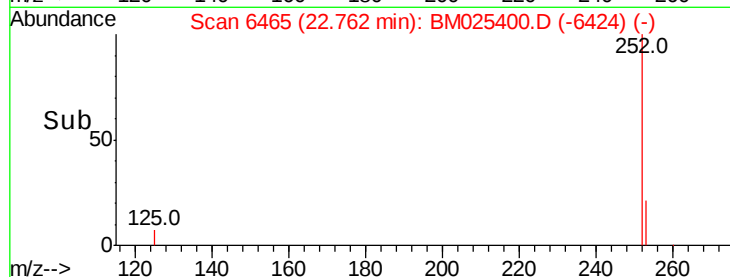
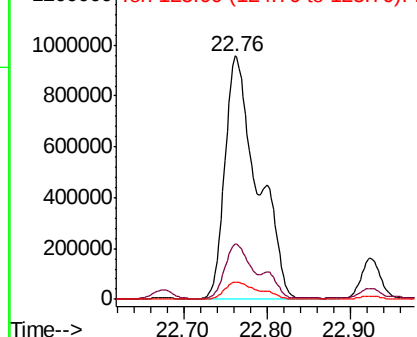
252 100

253 22.9 19.4 29.0

125 7.1 10.7 16.1#



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: 10.478 ng/ul

RT: 23.31 min Scan# 6693

Delta R.T. -0.01 min

Lab File: BM025400.D

Acq: 09 Mar 2020 00:32

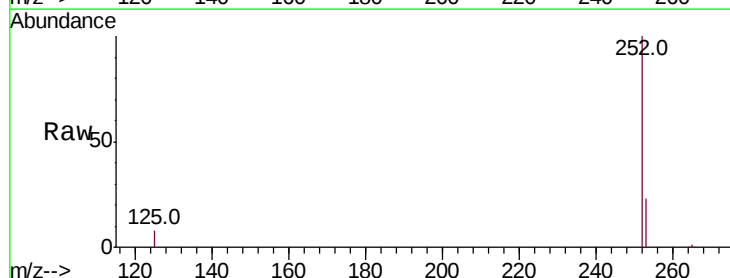
Tgt Ion:252 Resp: 920169

Ion Ratio Lower Upper

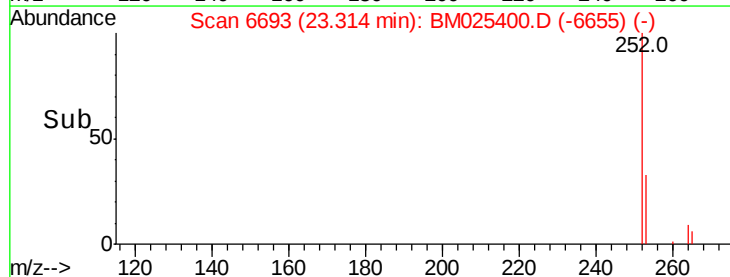
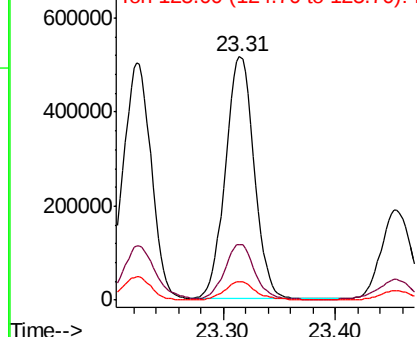
252 100

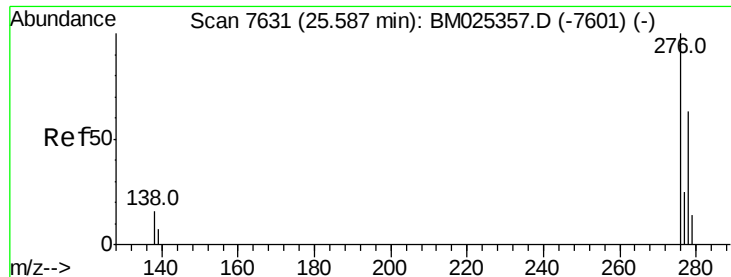
253 23.0 20.3 30.5

125 7.6 13.0 19.4#



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

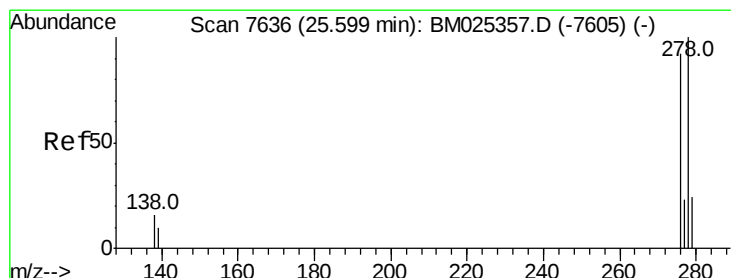
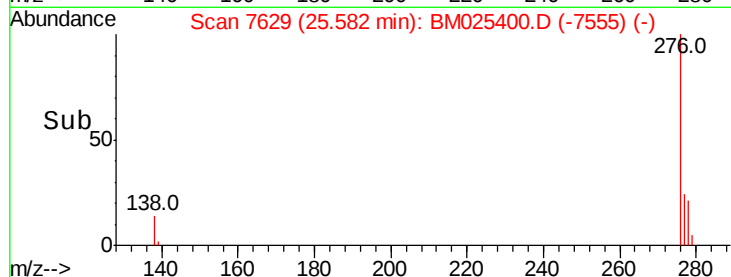
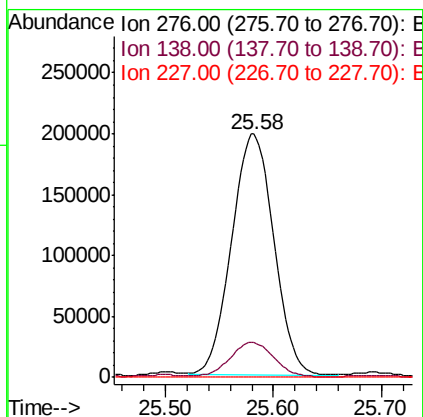
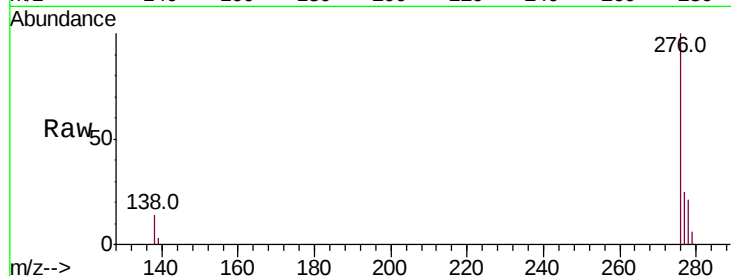




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 4.897 ng/u1
 RT: 25.58 min Scan# 7629
 Delta R.T. -0.02 min
 Lab File: BM025400.D
 Acq: 09 Mar 2020 00:32

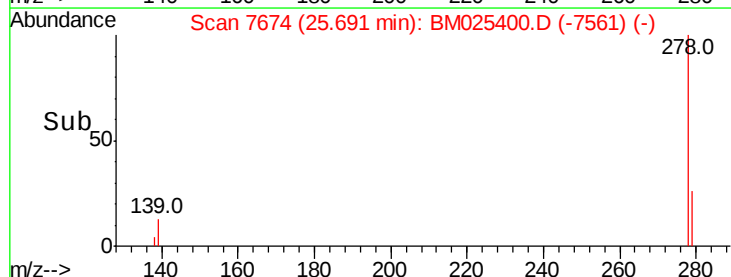
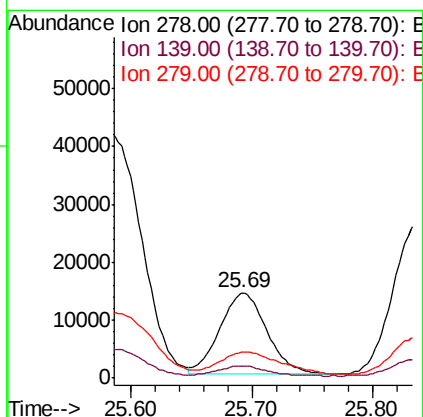
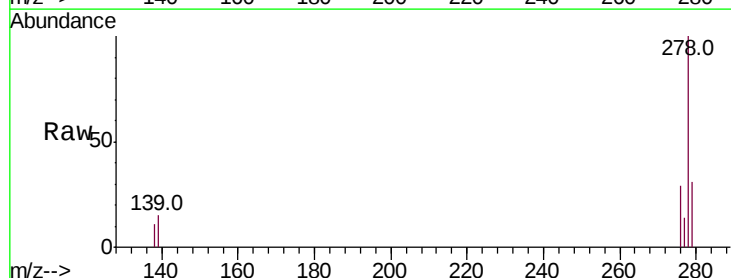
Instrument :
 BNA_M
 ClientSampleId :

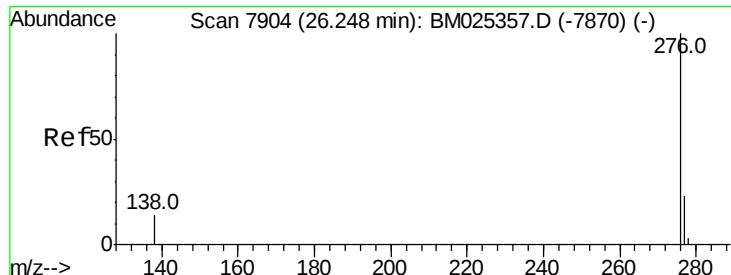
Tot Ion:276 Resp: 536075
 Ion Ratio Lower Upper
 276 100
 138 14.7 0.0 0.0#
 227 0.0 0.0 0.0



#25
 Dibenzo(a,h)anthracene
 Concen: 0.419 ng/u1
 RT: 25.69 min Scan# 7674
 Delta R.T. 0.07 min
 Lab File: BM025400.D
 Acq: 09 Mar 2020 00:32

Tgt Ion:278 Resp: 38052
 Ion Ratio Lower Upper
 278 100
 139 14.6 13.2 19.8
 279 30.8 21.0 31.4





#26

Benzo(a,h,i)perylene

Concen: 3.671 ng/ul

RT: 26.24 min Scan# 7902

Delta R.T. -0.02 min

Lab File: BM025400.D

Acq: 09 Mar 2020 00:32

Instrument :

BNA_M

ClientSampleId :

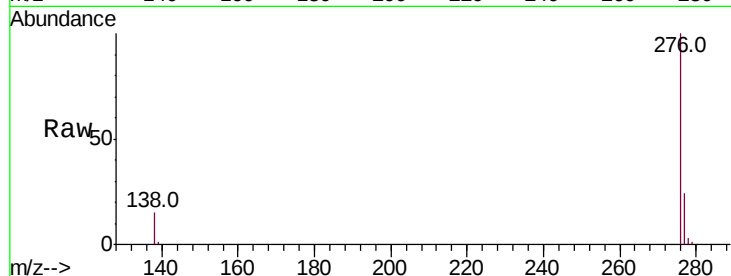
Tot Ion: 276 Resp: 341295

Ion Ratio Lower Upper

276 100

138 14.6 17.9 26.9#

277 23.9 20.5 30.7



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

