

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\
 Data File : BM025383.D
 Acq On : 08 Mar 2020 13:12
 Operator : CG/JU
 Sample : L1616-14
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 09 01:15:19 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	7.66	152	5261	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.43	136	22112	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.29	164	15450	0.40	ng/ul	-0.01
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.05
16) Chrysene-d12	21.23	240	25105	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	31164	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.02	152	12708	0.31	ng/ul	-0.02
14) Fluoranthene-d10	19.07	212	29252	0.00	ng/ul	0.00

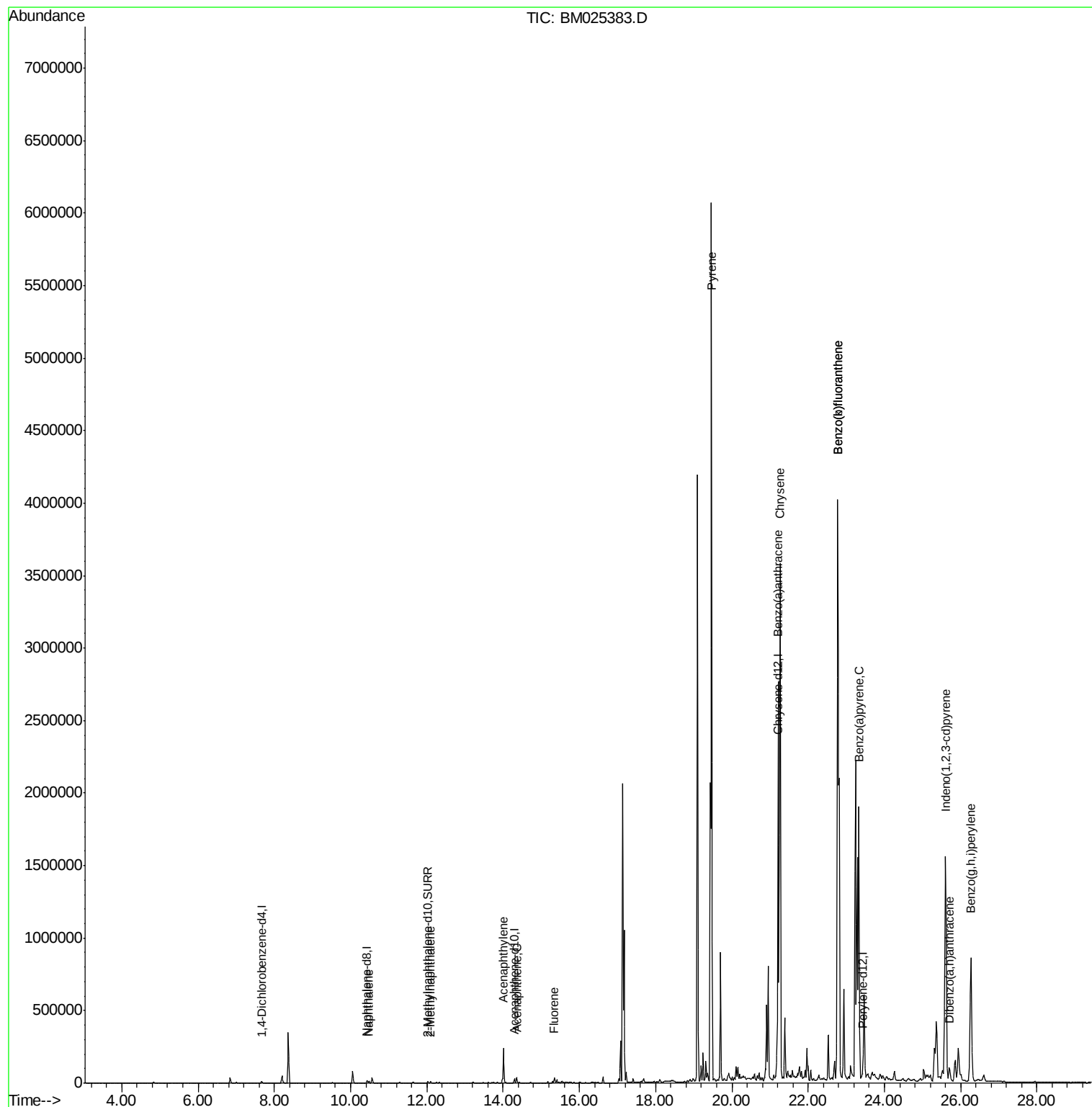
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.48	128	17807	0.268	ng/ul#	84
5) 2-Methylnaphthalene	12.10	142	8855	0.183	ng/ul	99
7) Acenaphthylene	14.01	152	202492	2.799	ng/ul#	93
8) Acenaphthene	14.35	153	22014	0.392	ng/ul	99
9) Fluorene	15.34	166	27989	0.398	ng/ul	95
17) Pyrene	19.46	202	5086329	53.421	ng/ul	97
18) Benzo(a)anthracene	21.21	228	2351137	25.478	ng/ul	96
19) Chrysene	21.26	228	3924153	38.701	ng/ul	99
21) Benzo(b)fluoranthene	22.78	252	9022112	72.359	ng/ul	92
22) Benzo(k)fluoranthene	22.78	252	9022112	68.998	ng/ul#	93
23) Benzo(a)pyrene	23.33	252	2398195	22.909	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.61	276	2564653	19.655	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.70	278	136291	1.260	ng/ul	94
26) Benzo(g,h,i)perylene	26.27	276	1766027	15.937	ng/ul#	91

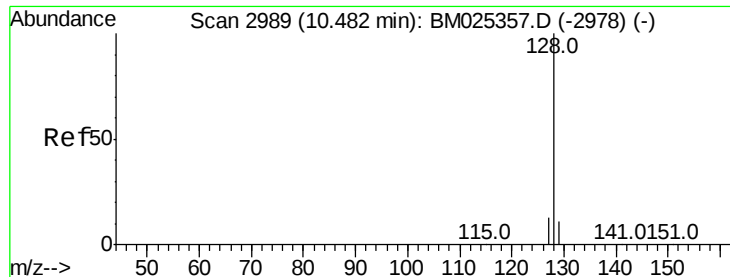
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.268 ng/ul

RT: 10.48 min Scan# 2988

Delta R.T. -0.01 min

Lab File: BM025383.D

Acq: 08 Mar 2020 13:12

Instrument :

BNA_M

ClientSampled :

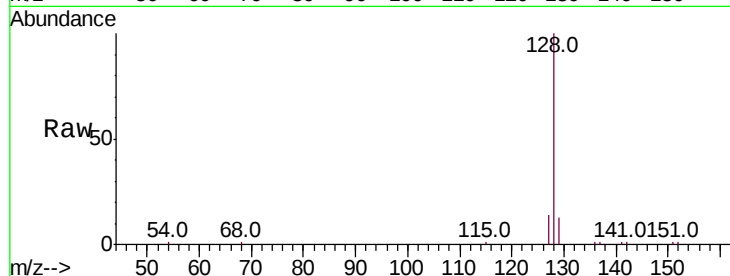
Tot Ion:128 Resp: 17807

Ion Ratio Lower Upper

128 100

129 12.7 17.0 25.6#

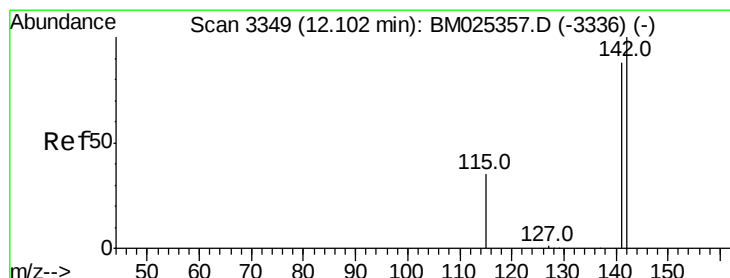
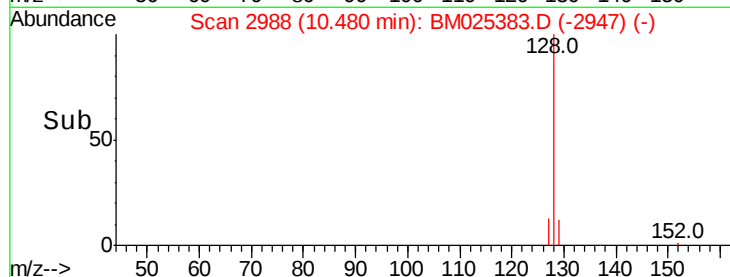
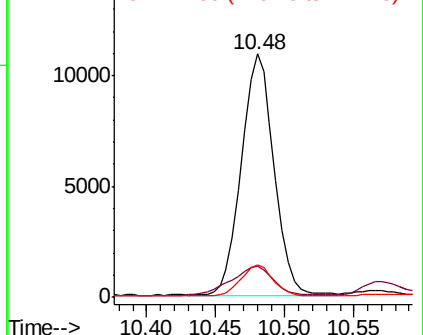
127 13.6 15.7 23.5#



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: 0.183 ng/ul

RT: 12.10 min Scan# 3348

Delta R.T. -0.01 min

Lab File: BM025383.D

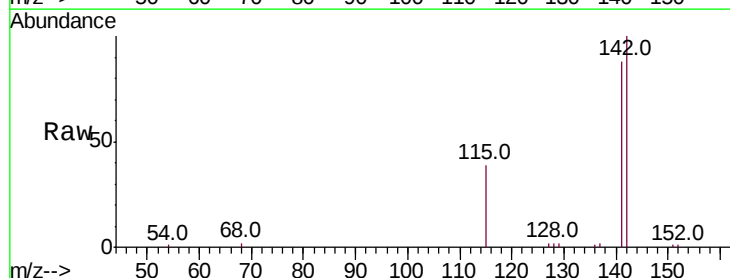
Acq: 08 Mar 2020 13:12

Tgt Ion:142 Resp: 8855

Ion Ratio Lower Upper

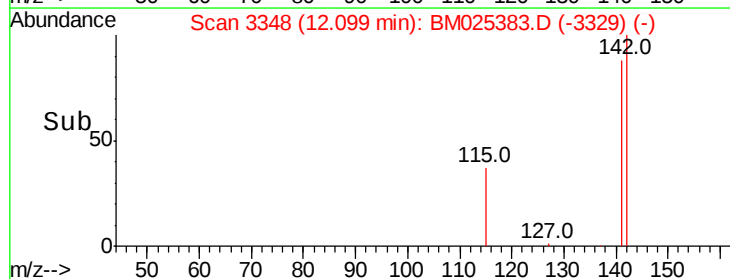
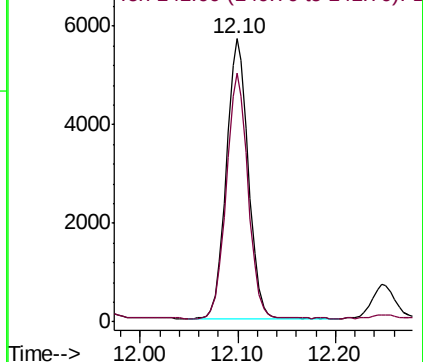
142 100

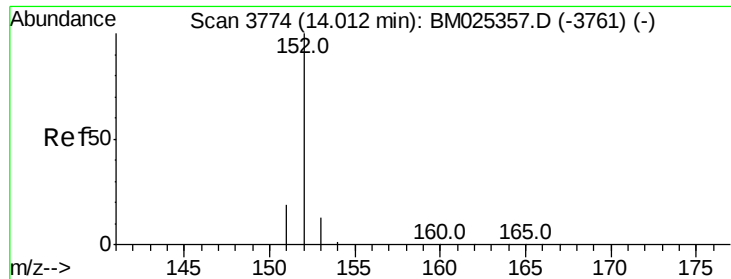
141 86.2 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.799 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.01 min

Lab File: BM025383.D

Acq: 08 Mar 2020 13:12

Instrument :

BNA_M

ClientSampleId :

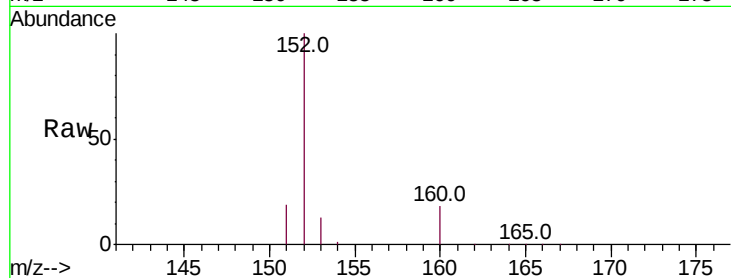
Tot Ion:152 Resp: 202492

Ion Ratio Lower Upper

152 100

151 19.4 17.8 26.8

153 13.2 13.3 19.9#

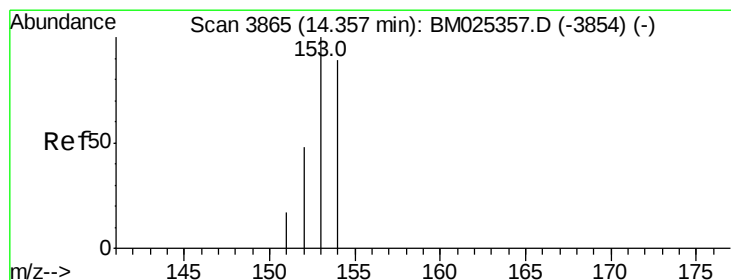
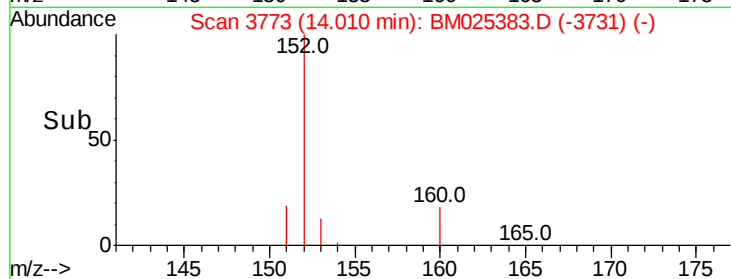
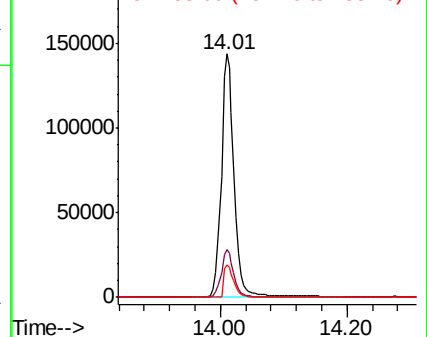


Abundance

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: 0.392 ng/ul

RT: 14.35 min Scan# 3864

Delta R.T. -0.01 min

Lab File: BM025383.D

Acq: 08 Mar 2020 13:12

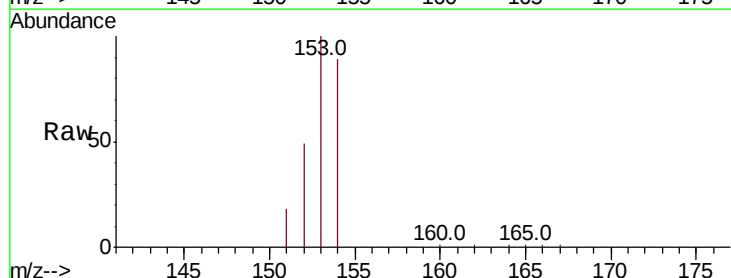
Tgt Ion:153 Resp: 22014

Ion Ratio Lower Upper

153 100

152 48.9 40.0 60.0

154 89.0 71.0 106.6

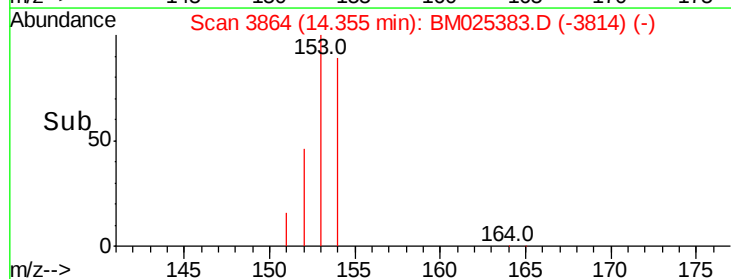
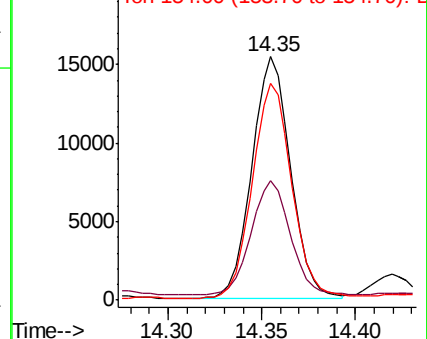


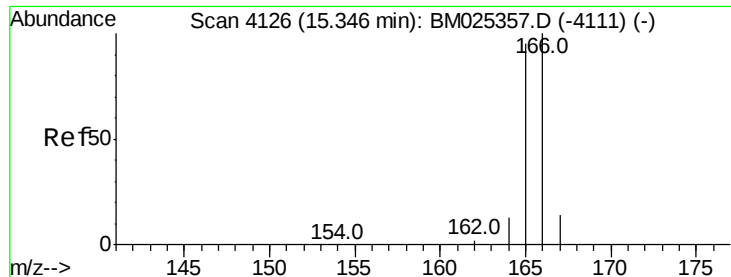
Abundance

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: 0.398 ng/ul

RT: 15.34 min Scan# 4125

Delta R.T. -0.01 min

Lab File: BM025383.D

Acq: 08 Mar 2020 13:12

Instrument :

BNA_M

ClientSampleId :

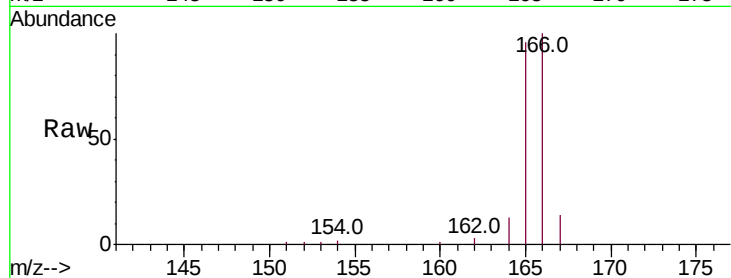
Tot Ion:166 Resp: 27989

Ion Ratio Lower Upper

166 100

165 95.6 80.0 120.0

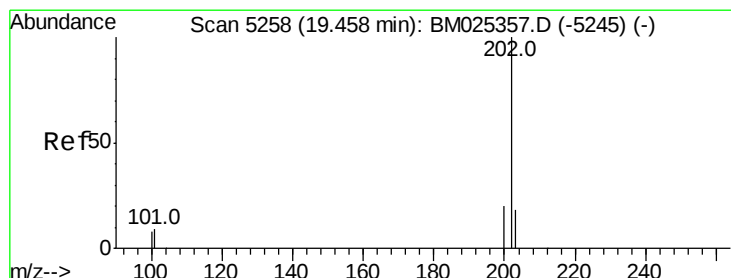
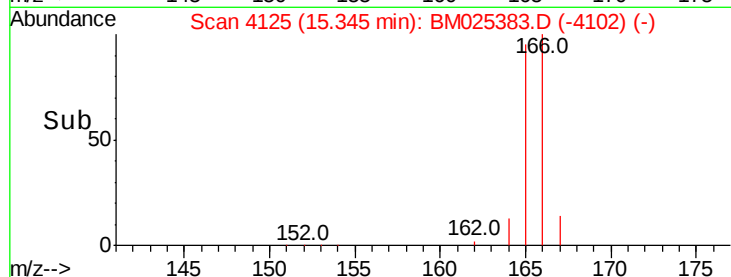
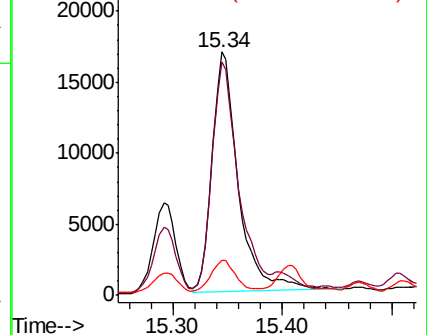
167 14.4 13.7 20.5



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#17

Pyrene

Concen: 53.421 ng/ul

RT: 19.46 min Scan# 5259

Delta R.T. -0.00 min

Lab File: BM025383.D

Acq: 08 Mar 2020 13:12

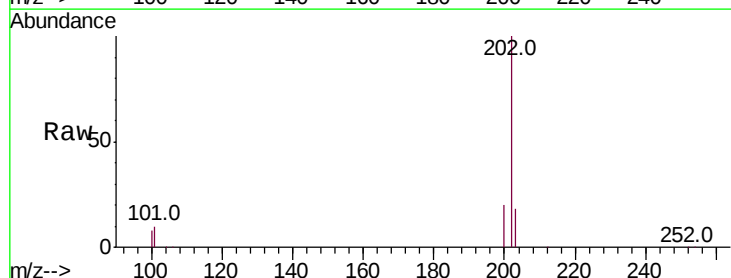
Tgt Ion:202 Resp: 5086329

Ion Ratio Lower Upper

202 100

101 9.9 8.7 13.1

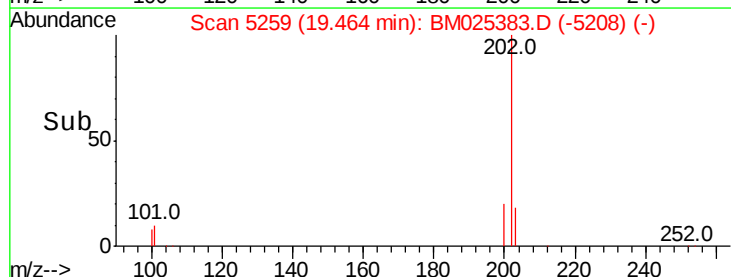
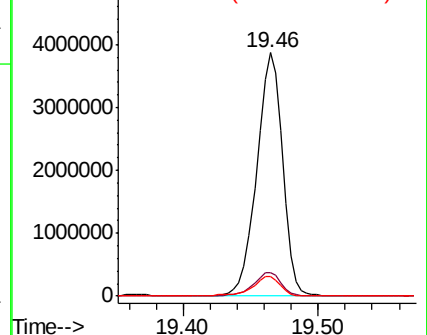
100 8.1 7.3 10.9

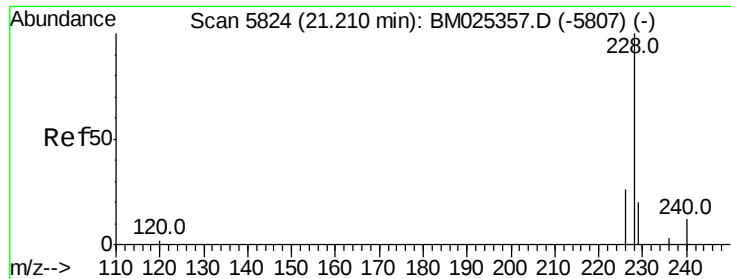


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#18

Benzo(a)anthracene

Concen: 25.478 ng/ul

RT: 21.21 min Scan# 5825

Delta R.T. -0.00 min

Lab File: BM025383.D

Acq: 08 Mar 2020 13:12

Instrument :

BNA_M

ClientSampleId :

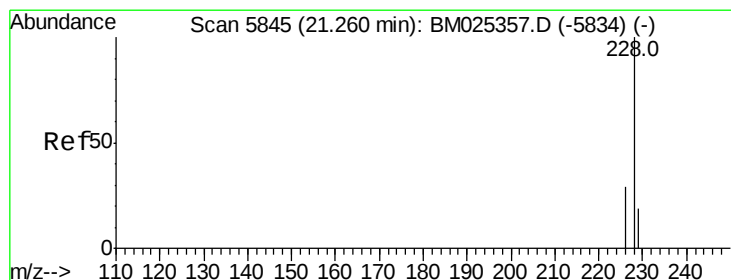
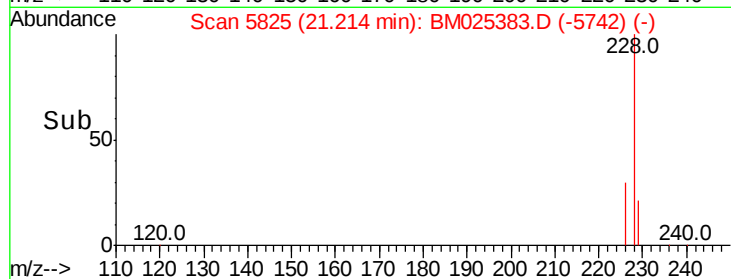
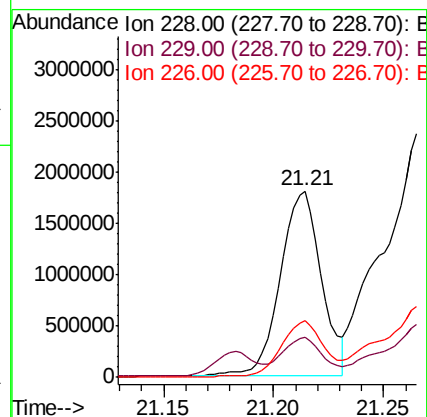
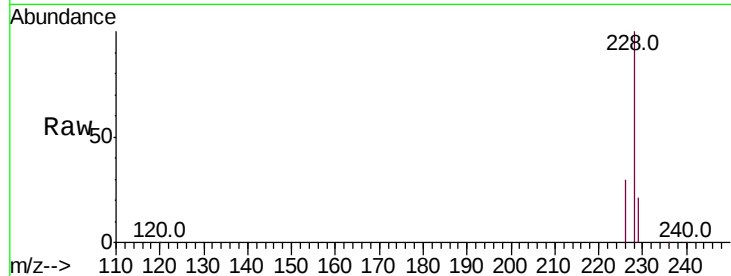
Tot Ion:228 Resp: 2351137

Ion Ratio Lower Upper

228 100

229 21.3 16.6 25.0

226 30.3 21.9 32.9



#19

Chrysene

Concen: 38.701 ng/ul

RT: 21.26 min Scan# 5846

Delta R.T. -0.00 min

Lab File: BM025383.D

Acq: 08 Mar 2020 13:12

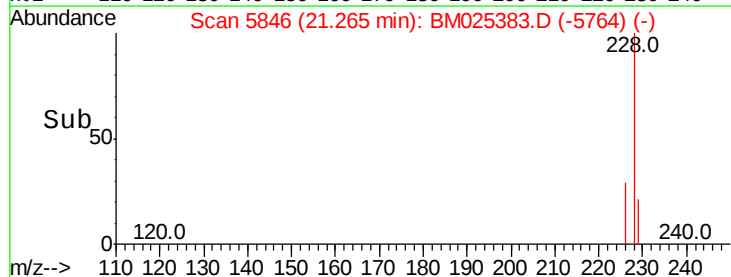
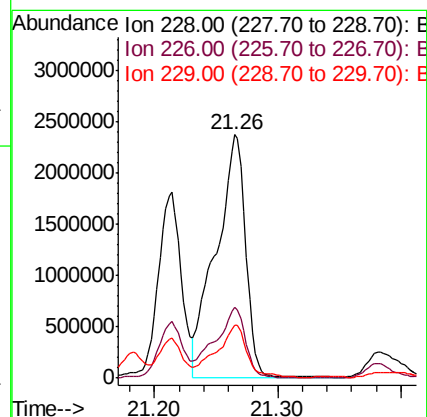
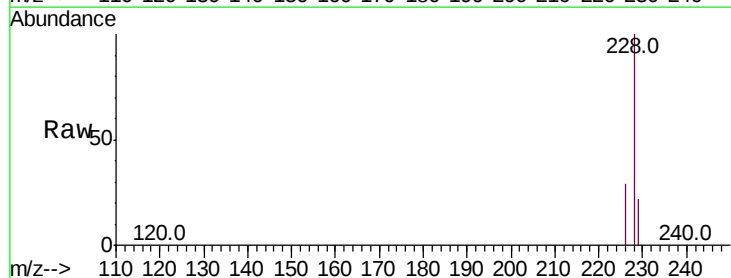
Tgt Ion:228 Resp: 3924153

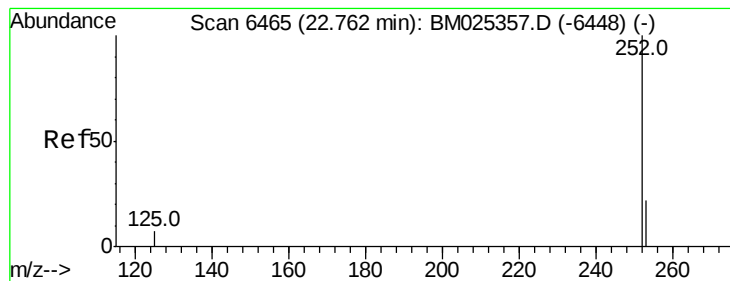
Ion Ratio Lower Upper

228 100

226 29.0 23.8 35.8

229 21.7 16.9 25.3





#21

Benzo(b)fluoranthene

Concen: 72.359 ng/ul

RT: 22.78 min Scan# 6471

Delta R.T. 0.01 min

Lab File: BM025383.D

Acq: 08 Mar 2020 13:12

Instrument :

BNA_M

ClientSampleId :

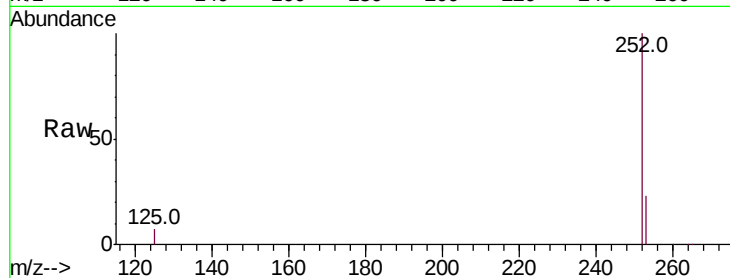
Tot Ion:252 Resp: 9022112

Ion Ratio Lower Upper

252 100

253 23.2 0.0 49.8

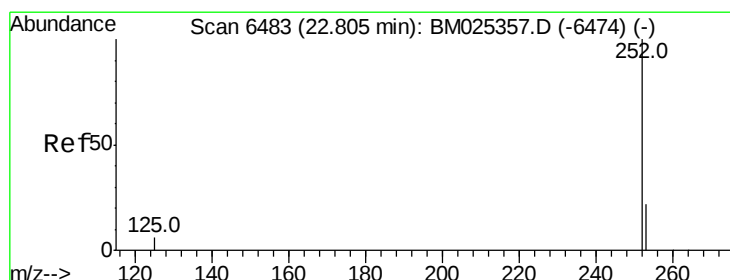
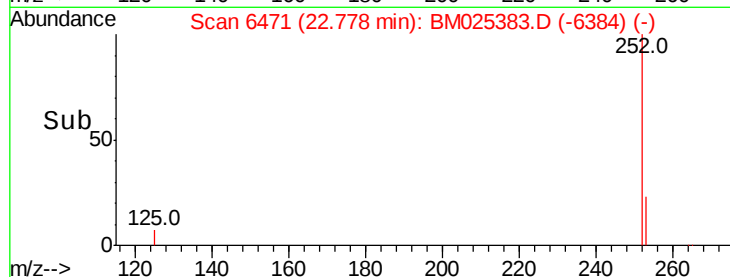
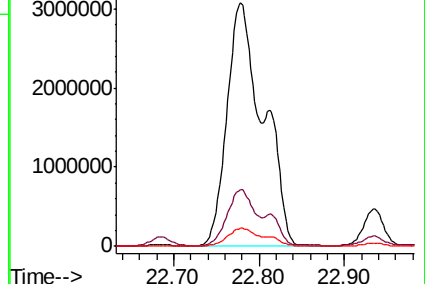
125 7.3 0.0 28.6



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: 68.998 ng/ul

RT: 22.78 min Scan# 6471

Delta R.T. -0.03 min

Lab File: BM025383.D

Acq: 08 Mar 2020 13:12

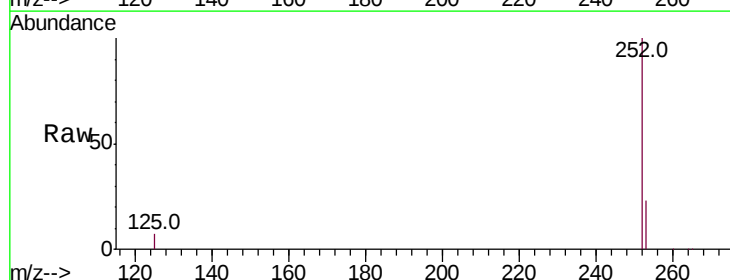
Tgt Ion:252 Resp: 9022112

Ion Ratio Lower Upper

252 100

253 23.2 19.4 29.0

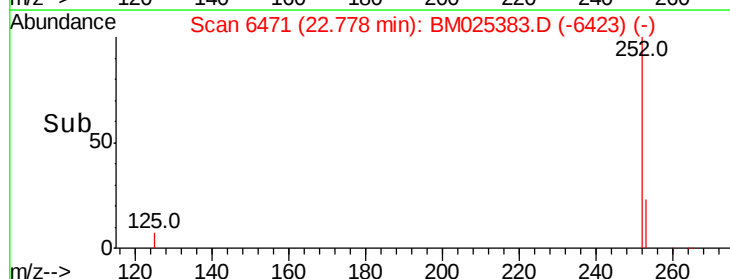
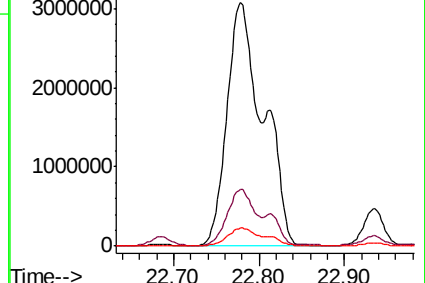
125 7.3 10.7 16.1#

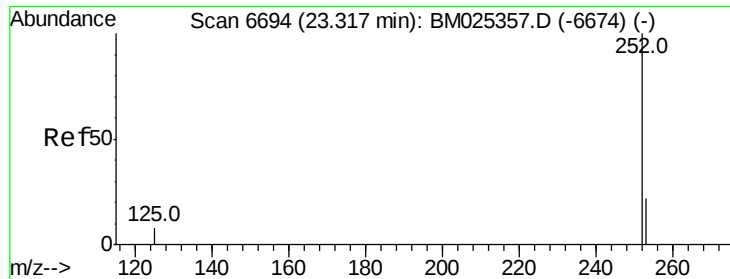


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 22.909 ng/u1

RT: 23.33 min Scan# 6699

Delta R.T. 0.01 min

Lab File: BM025383.D

Acq: 08 Mar 2020 13:12

Instrument :

BNA_M

ClientSampleId :

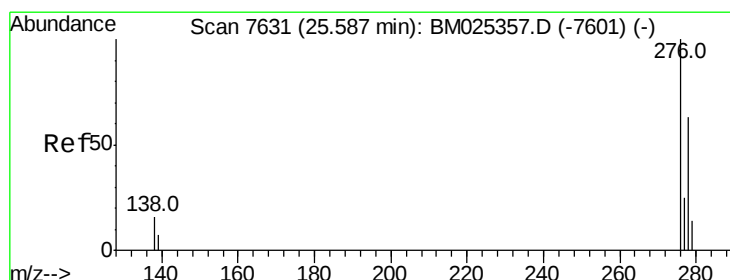
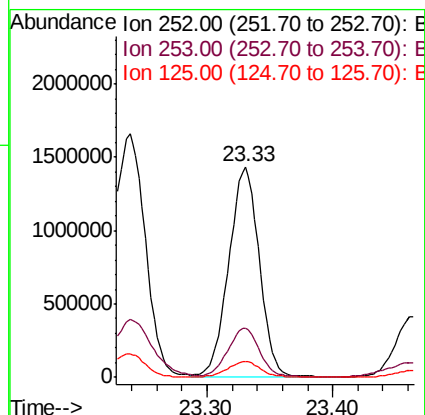
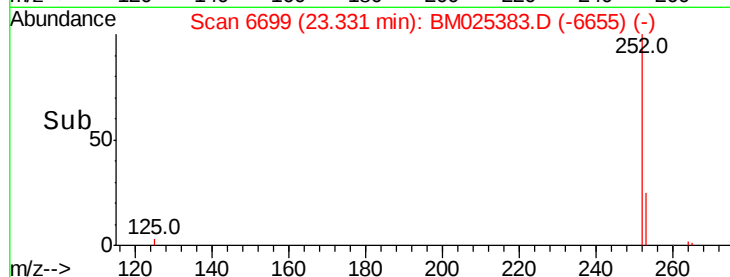
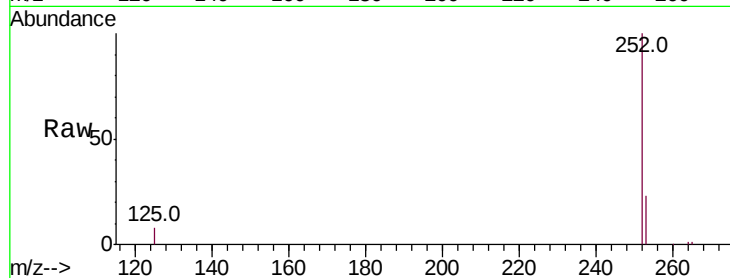
Tot Ion:252 Resp: 2398195

Ion Ratio Lower Upper

252 100

253 23.5 20.3 30.5

125 7.6 13.0 19.4#



#24

Indeno(1,2,3-cd)pyrene

Concen: 19.655 ng/u1

RT: 25.61 min Scan# 7638

Delta R.T. 0.00 min

Lab File: BM025383.D

Acq: 08 Mar 2020 13:12

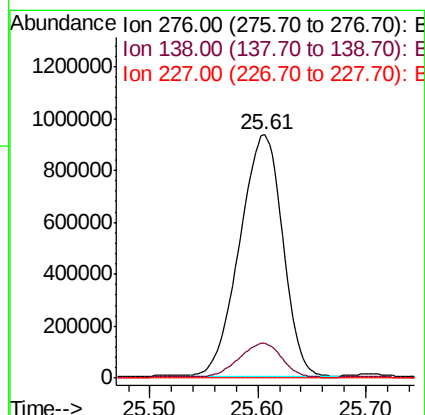
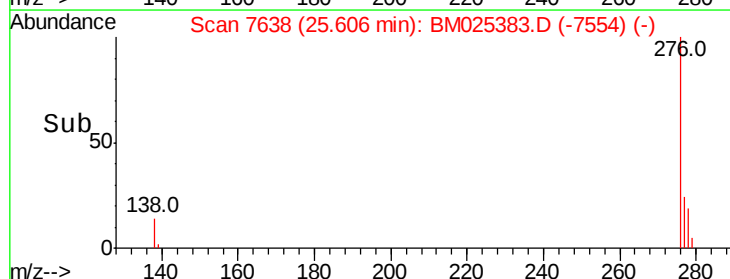
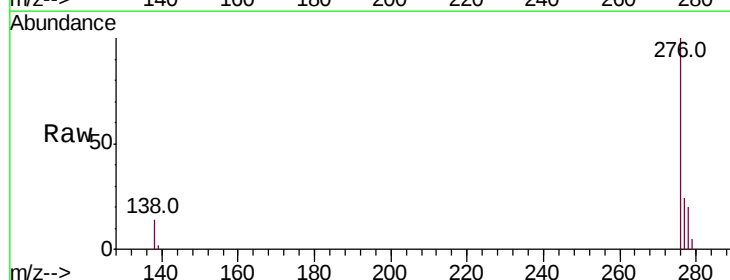
Tgt Ion:276 Resp: 2564653

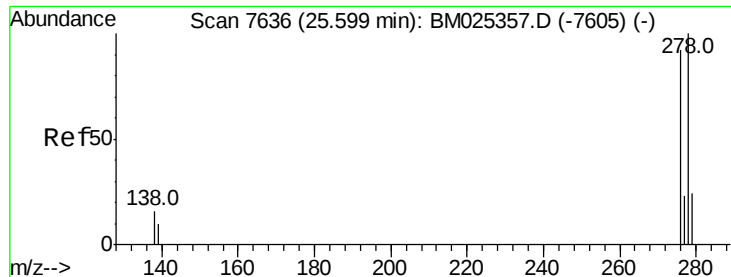
Ion Ratio Lower Upper

276 100

138 14.4 0.0 0.0#

227 0.0 0.0 0.0



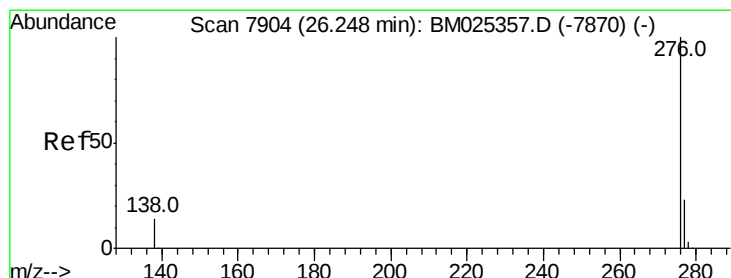
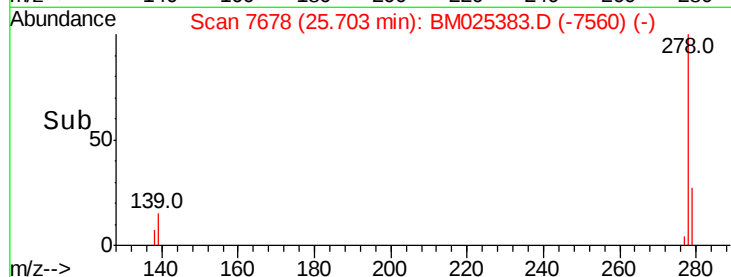
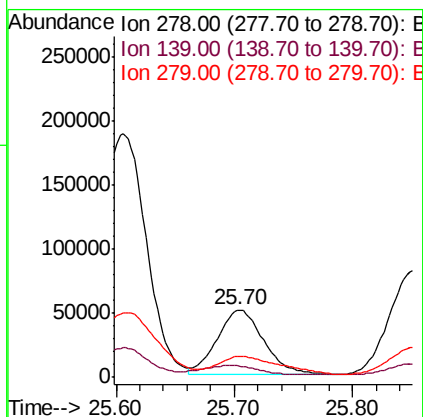
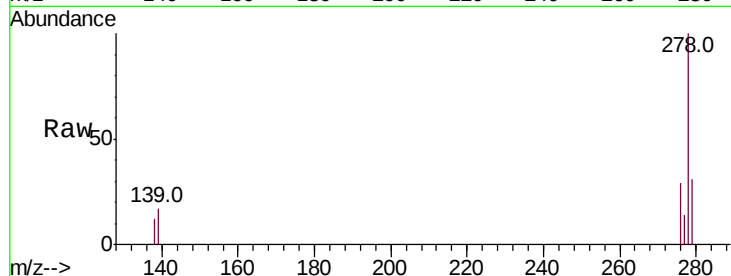


#25

Dibenzo(a,h)anthracene
 Concen: 1.260 ng/ul
 RT: 25.70 min Scan# 7678
 Delta R.T. 0.08 min
 Lab File: BM025383.D
 Acq: 08 Mar 2020 13:12

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:278 Resp: 136291
 Ion Ratio Lower Upper
 278 100
 139 17.1 13.2 19.8
 279 31.0 21.0 31.4



#26

Benzo(g,h,i)perylene
 Concen: 15.937 ng/ul
 RT: 26.27 min Scan# 7911
 Delta R.T. 0.00 min
 Lab File: BM025383.D
 Acq: 08 Mar 2020 13:12

Tgt Ion:276 Resp: 1766027
 Ion Ratio Lower Upper
 276 100
 138 14.6 17.9 26.9#
 277 23.9 20.5 30.7

