

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031820\
 Data File : BM025639.D
 Acq On : 18 Mar 2020 21:46
 Operator : CG/JU
 Sample : L1786-13DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 19 00:08:57 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 : Wed Mar 18 05:07:34 2020
 Response via : Initial Calibration

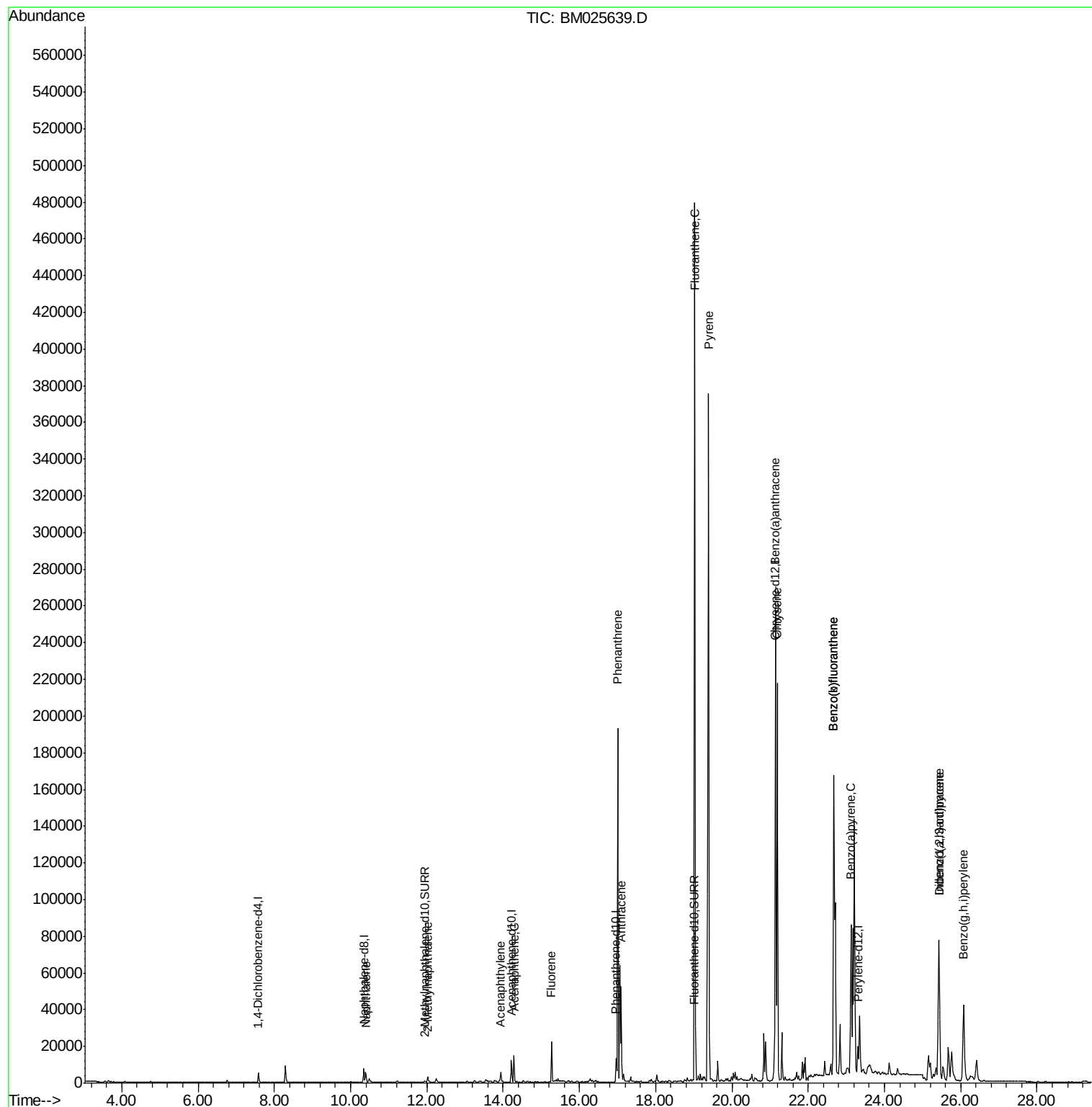
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	2507	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	10041	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	6388	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	15000	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	16341	0.40	ng/ul	0.00
20) Perylene-d12	23.30	264	17797	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	365	0.02	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	1011	0.02	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.40	128	7261	0.244	ng/ul	100
5) 2-Methylnaphthalene	12.02	142	2160	0.102	ng/ul	98
7) Acenaphthylene	13.94	152	6651	0.255	ng/ul#	86
8) Acenaphthene	14.28	153	8021	0.350	ng/ul	99
9) Fluorene	15.27	166	13747	0.493	ng/ul	100
12) Phenanthrene	17.00	178	187299	3.940	ng/ul	100
13) Anthracene	17.09	178	52480	1.269	ng/ul	99
15) Fluoranthene	19.03	202	406560	7.890	ng/ul	99
17) Pyrene	19.39	202	325970	4.444	ng/ul	99
18) Benzo(a)anthracene	21.14	228	209476	3.585	ng/ul	99
19) Chrysene	21.19	228	193538	2.950	ng/ul	97
21) Benzo(b)fluoranthene	22.67	252	358661	5.089	ng/ul	96
22) Benzo(k)fluoranthene	22.67	252	358661	4.857	ng/ul	97
23) Benzo(a)pyrene	23.12	252	70835	1.210	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.43	276	119271	1.502	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.43	278	34121	0.511	ng/ul	98
26) Benzo(a,h,i)perylene	26.08	276	85611	1.243	ng/ul	98

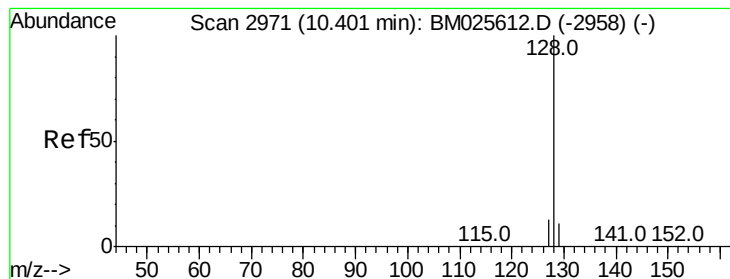
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.244 ng/ul

RT: 10.40 min Scan# 2970

Delta R.T. -0.00 min

Lab File: BM025639.D

Acq: 18 Mar 2020 21:46

Instrument :

BNA_M

ClientSampleId :

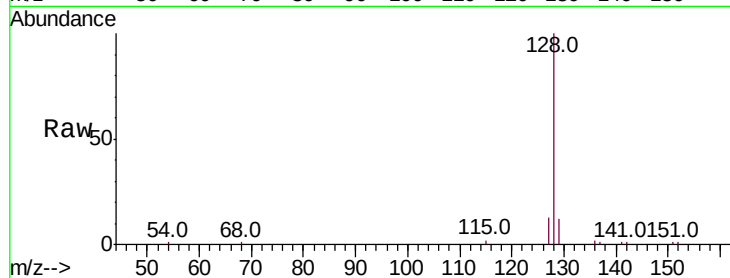
Tot Ion:128 Resp: 7261

Ion Ratio Lower Upper

128 100

129 11.8 9.4 14.0

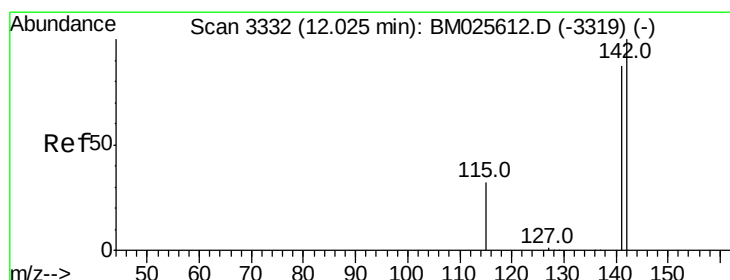
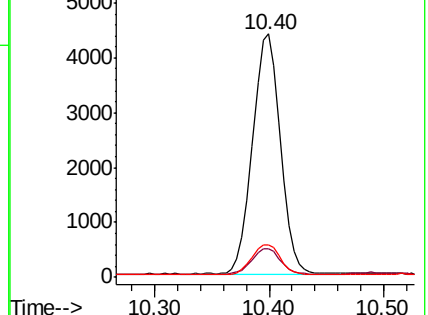
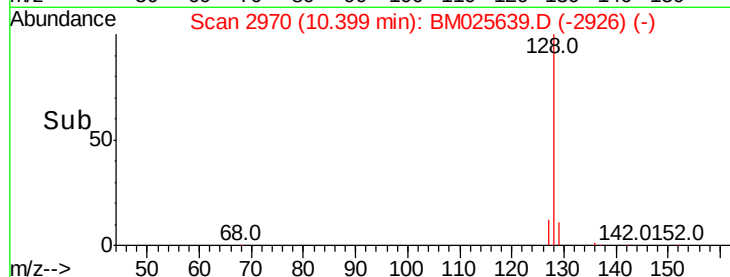
127 13.5 10.9 16.3



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: 0.102 ng/ul

RT: 12.02 min Scan# 3331

Delta R.T. -0.00 min

Lab File: BM025639.D

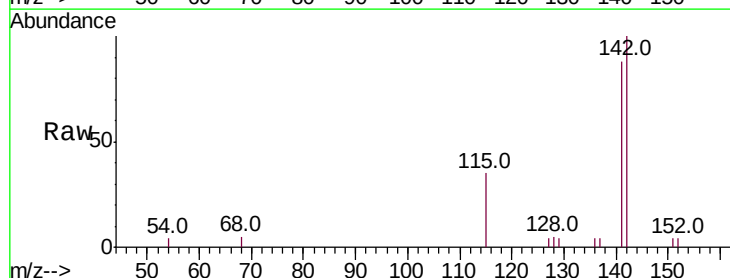
Acq: 18 Mar 2020 21:46

Tgt Ion:142 Resp: 2160

Ion Ratio Lower Upper

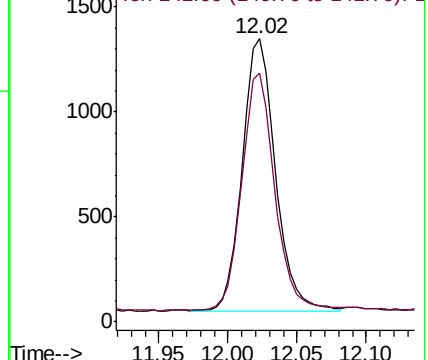
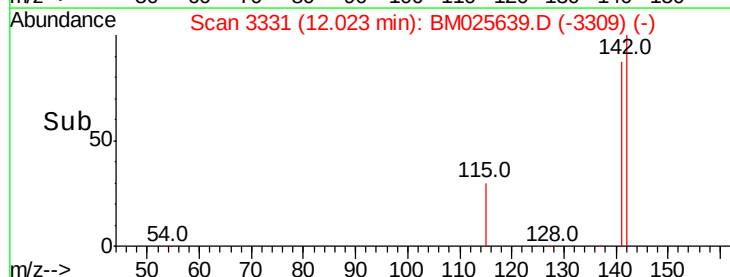
142 100

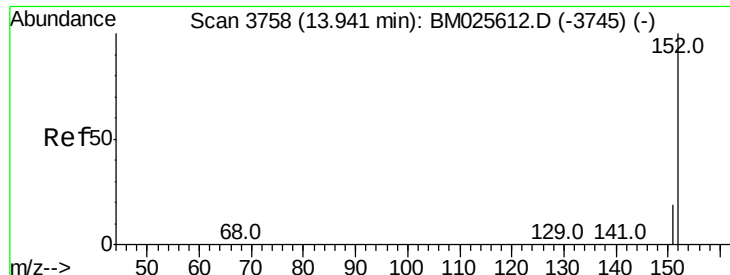
141 88.6 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.255 ng/ul

RT: 13.94 min Scan# 3757

Delta R.T. -0.00 min

Lab File: BM025639.D

Acq: 18 Mar 2020 21:46

Instrument :

BNA_M

ClientSampleId :

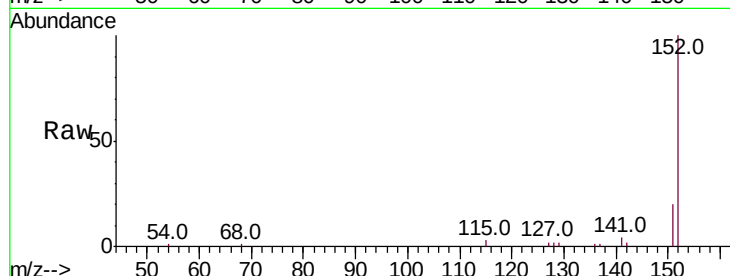
Tot Ion:152 Resp: 6651

Ion Ratio Lower Upper

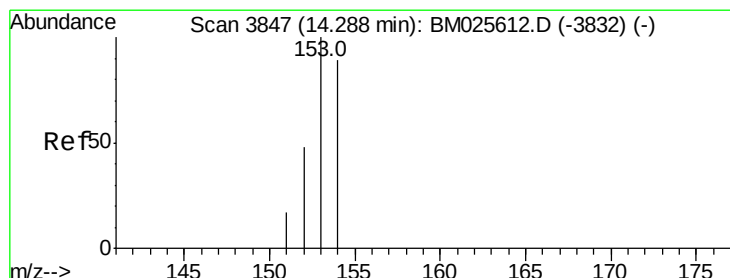
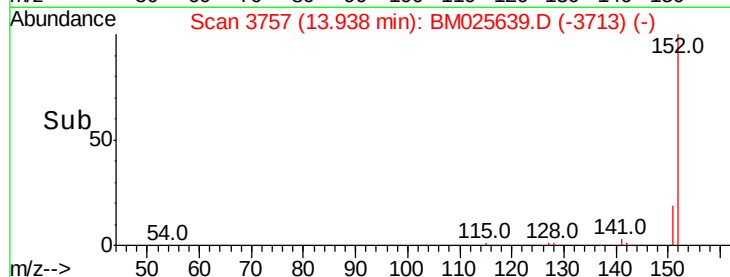
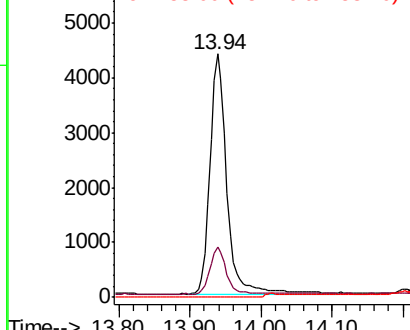
152 100

151 20.5 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: 0.350 ng/ul

RT: 14.28 min Scan# 3845

Delta R.T. -0.01 min

Lab File: BM025639.D

Acq: 18 Mar 2020 21:46

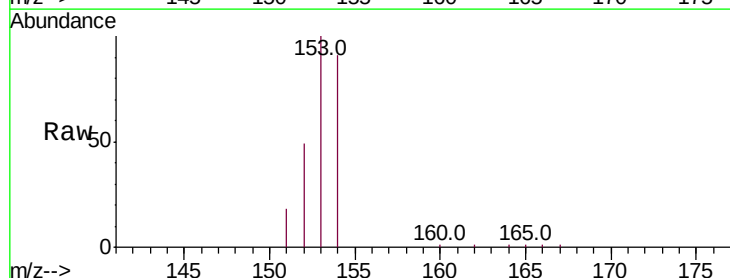
Tgt Ion:153 Resp: 8021

Ion Ratio Lower Upper

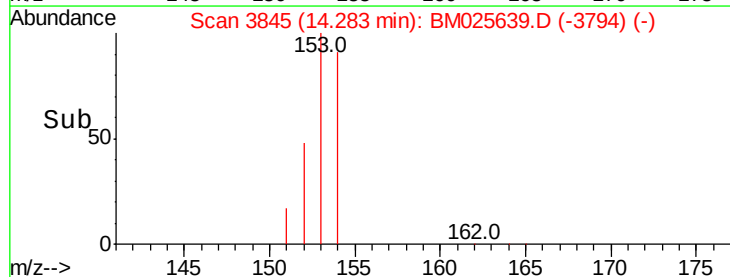
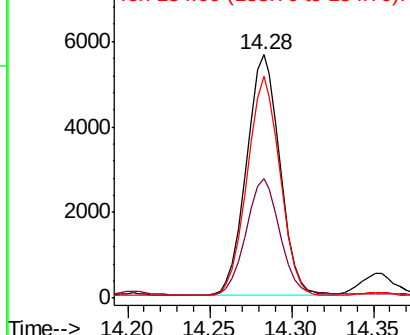
153 100

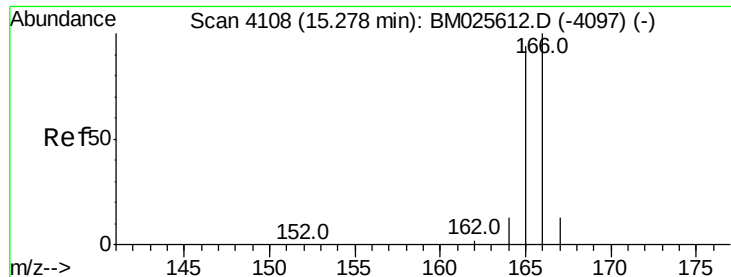
152 49.3 39.5 59.3

154 91.3 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: 0.493 ng/ul

RT: 15.27 min Scan# 4106

Delta R.T. -0.01 min

Lab File: BM025639.D

Acq: 18 Mar 2020 21:46

Instrument :

BNA_M

ClientSampleId :

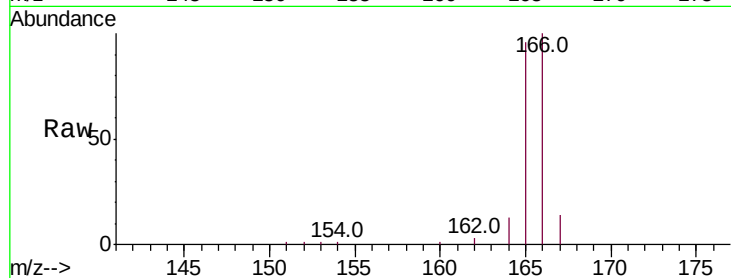
Tot Ion:166 Resp: 13747

Ion Ratio Lower Upper

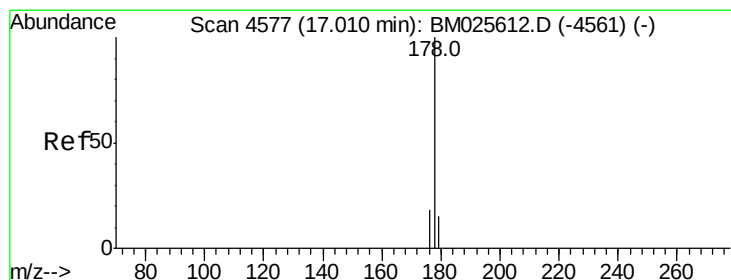
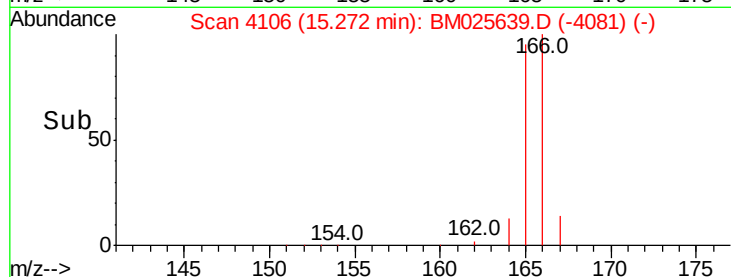
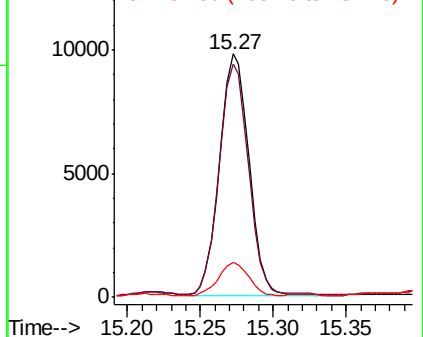
166 100

165 95.7 76.8 115.2

167 14.4 11.2 16.8



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



#12

Phenanthrene

Concen: 3.940 ng/ul

RT: 17.00 min Scan# 4575

Delta R.T. -0.01 min

Lab File: BM025639.D

Acq: 18 Mar 2020 21:46

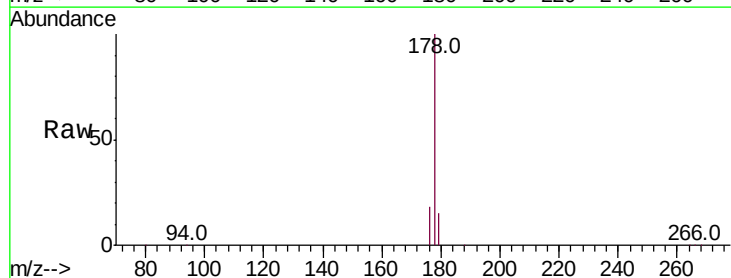
Tgt Ion:178 Resp: 187299

Ion Ratio Lower Upper

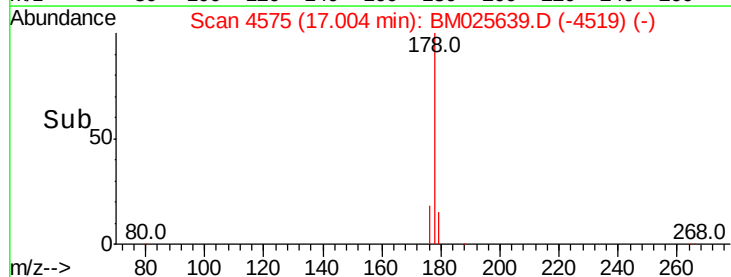
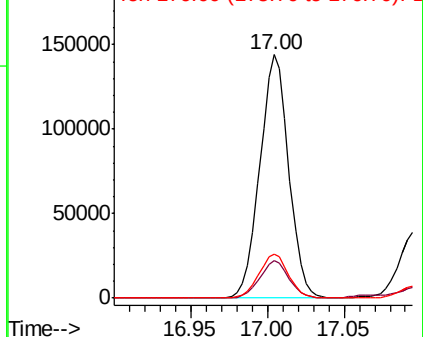
178 100

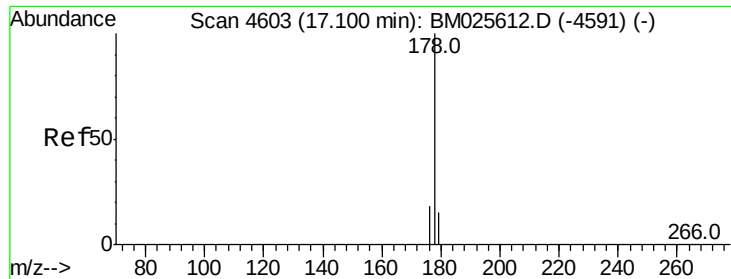
179 15.5 12.4 18.6

176 18.3 14.8 22.2



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





#13

Anthracene

Concen: 1.269 ng/ul

RT: 17.09 min Scan# 4601

Delta R.T. -0.01 min

Lab File: BM025639.D

Acq: 18 Mar 2020 21:46

Instrument :

BNA_M

ClientSampleId :

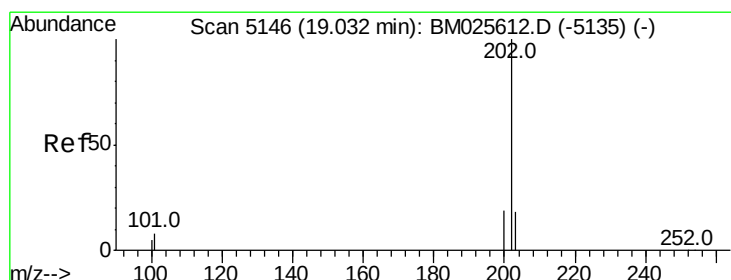
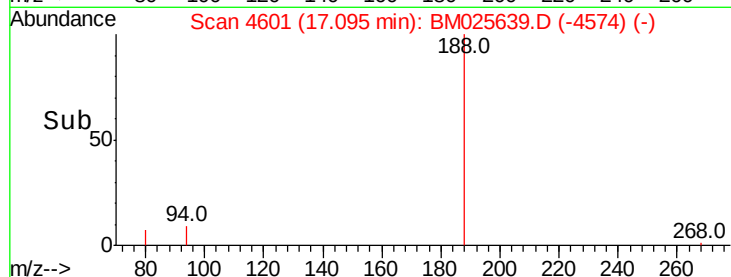
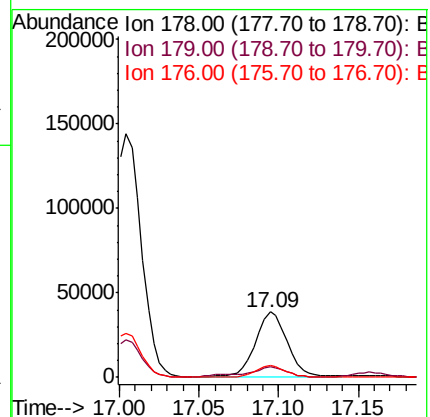
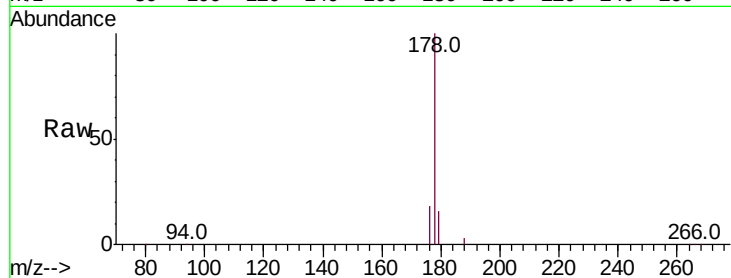
Tot Ion:178 Resp: 52480

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

176 17.6 14.5 21.7



#15

Fluoranthene

Concen: 7.890 ng/ul

RT: 19.03 min Scan# 5144

Delta R.T. -0.01 min

Lab File: BM025639.D

Acq: 18 Mar 2020 21:46

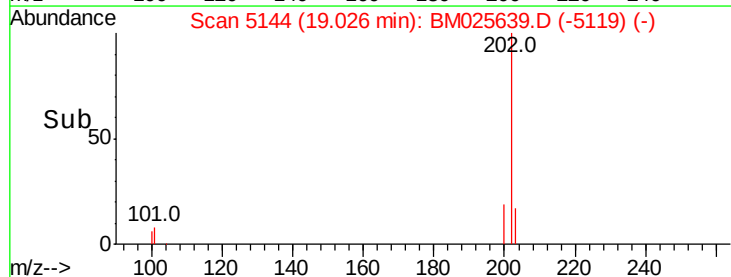
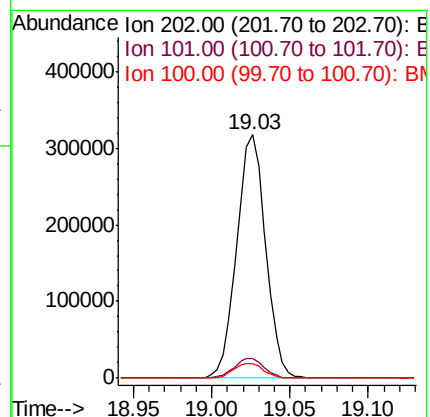
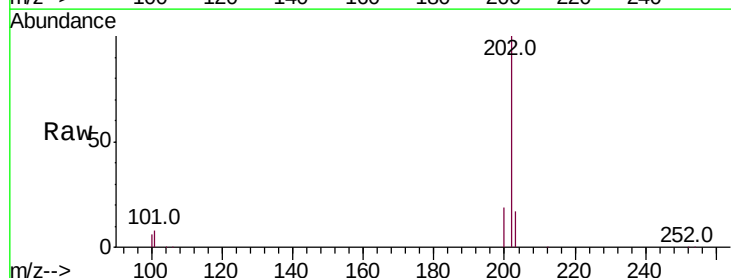
Tgt Ion:202 Resp: 406560

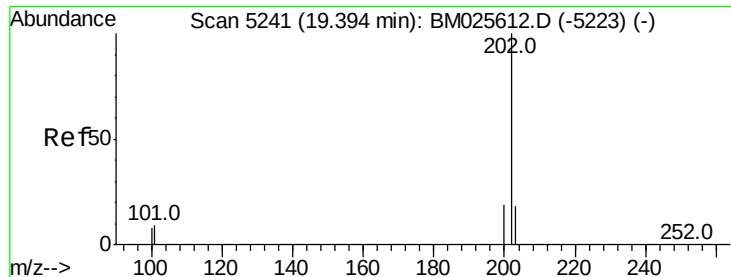
Ion Ratio Lower Upper

202 100

101 8.0 0.0 27.5

100 6.2 0.0 26.0

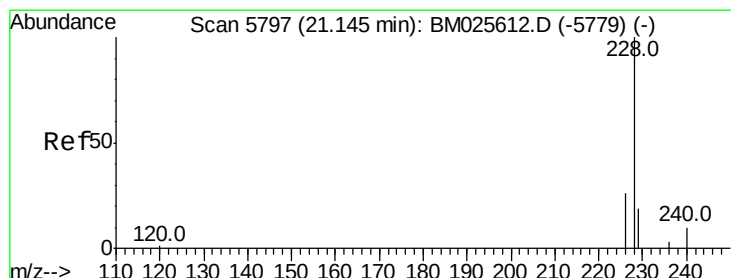
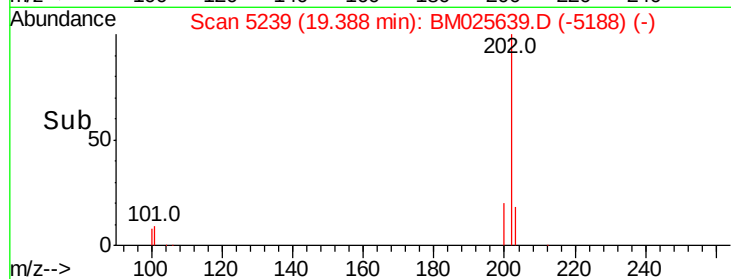
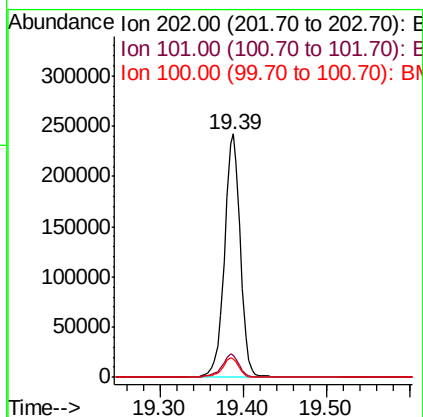
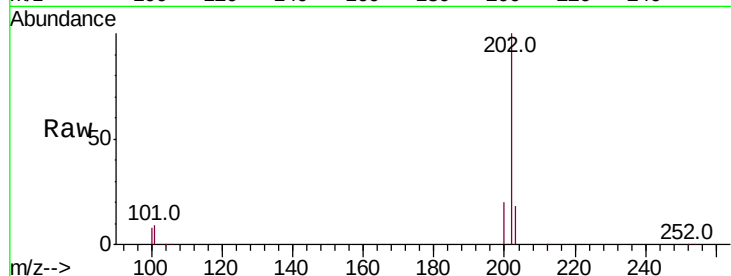




#17
Pvrene
Concen: 4.444 ng/ul
RT: 19.39 min Scan# 5239
Delta R.T. -0.01 min
Lab File: BM025639.D
Acq: 18 Mar 2020 21:46

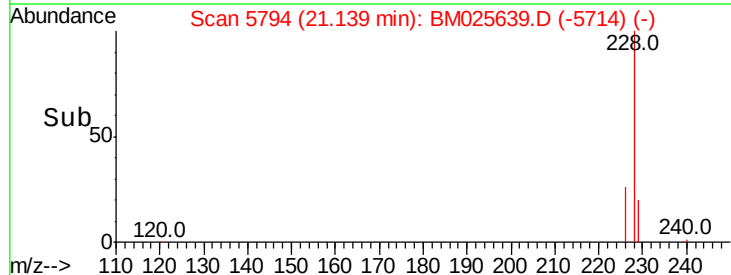
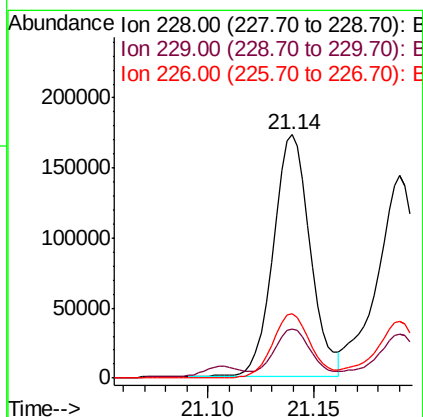
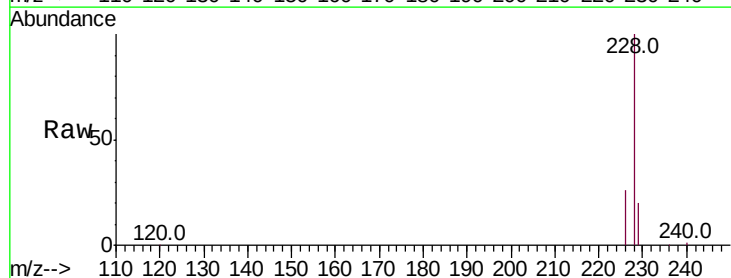
Instrument :
BNA_M
ClientSampleId :

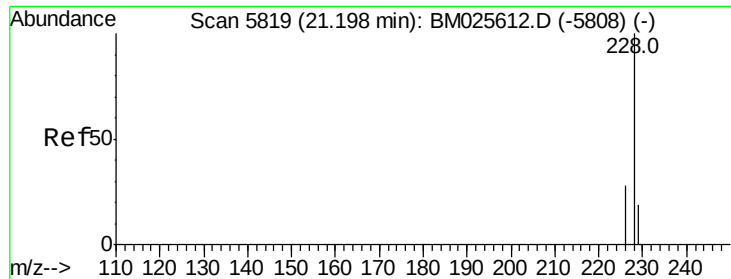
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.1	10.7
100	7.6	6.0	9.0



#18
Benzo(a)anthracene
Concen: 3.585 ng/ul
RT: 21.14 min Scan# 5794
Delta R.T. -0.01 min
Lab File: BM025639.D
Acq: 18 Mar 2020 21:46

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.6	23.4
226	26.2	21.1	31.7





#19

Chrysene

Concen: 2.950 ng/ul

RT: 21.19 min Scan# 5815

Delta R.T. -0.01 min

Lab File: BM025639.D

Acq: 18 Mar 2020 21:46

Instrument :

BNA_M

ClientSampleId :

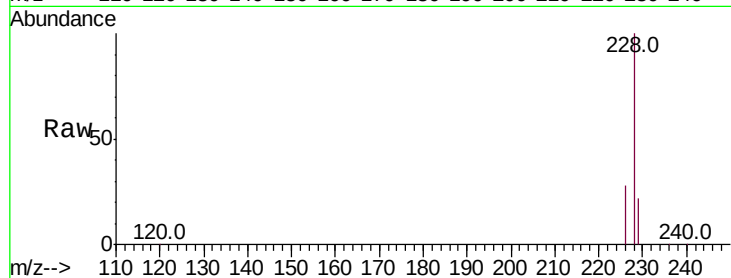
Tot Ion:228 Resp: 193538

Ion Ratio Lower Upper

228 100

226 28.1 23.6 35.4

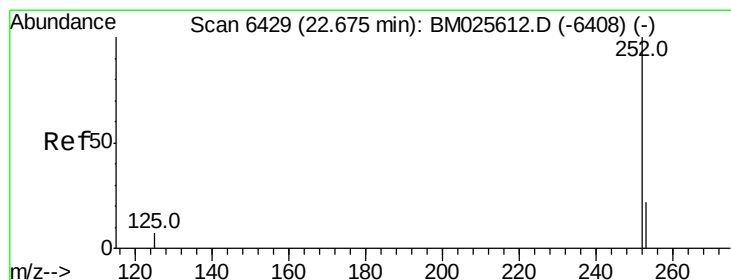
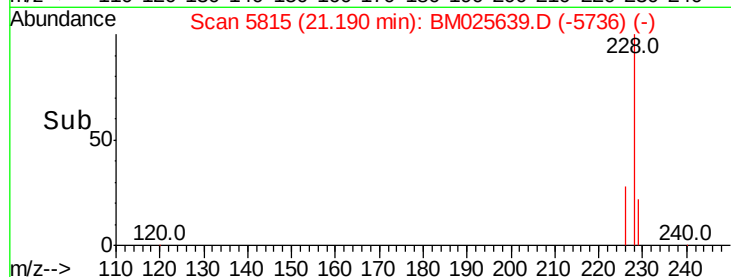
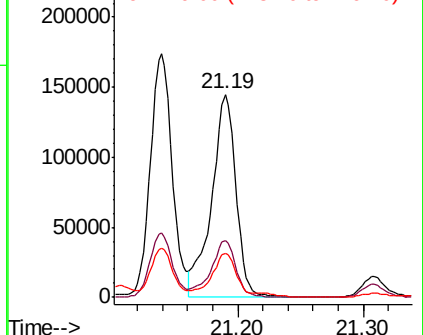
229 21.8 16.3 24.5



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: 5.089 ng/ul

RT: 22.67 min Scan# 6426

Delta R.T. -0.01 min

Lab File: BM025639.D

Acq: 18 Mar 2020 21:46

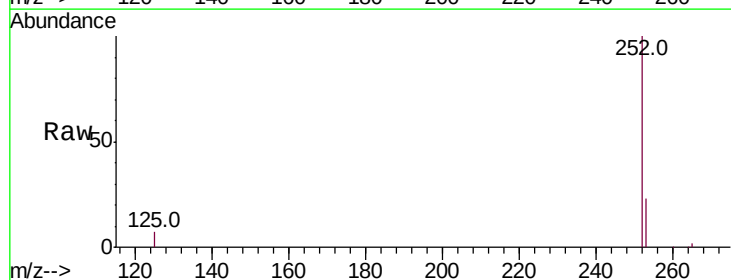
Tgt Ion:252 Resp: 358661

Ion Ratio Lower Upper

252 100

253 23.2 0.0 50.2

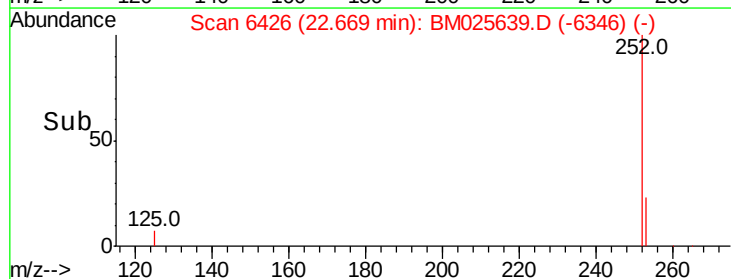
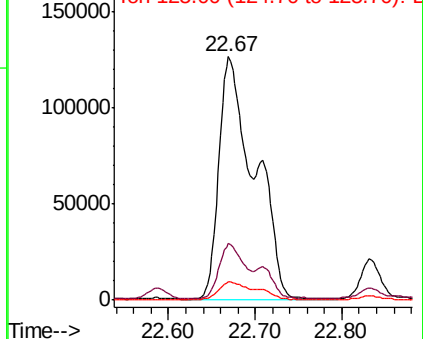
125 7.4 0.0 17.6

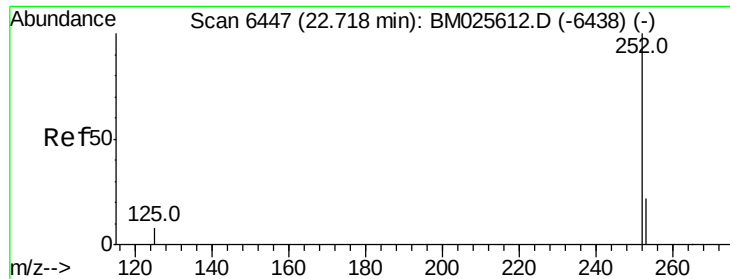


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

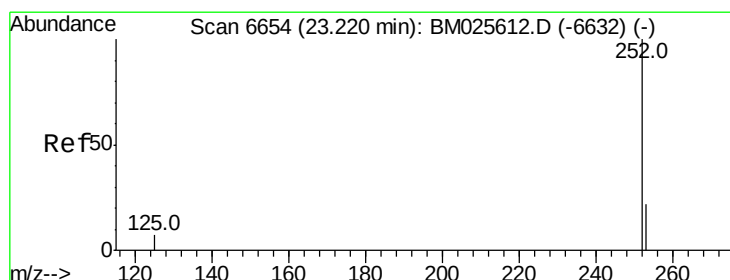
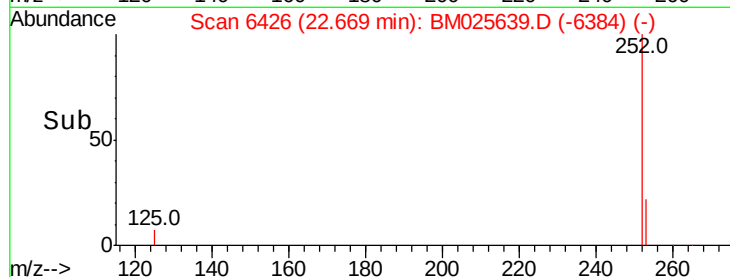
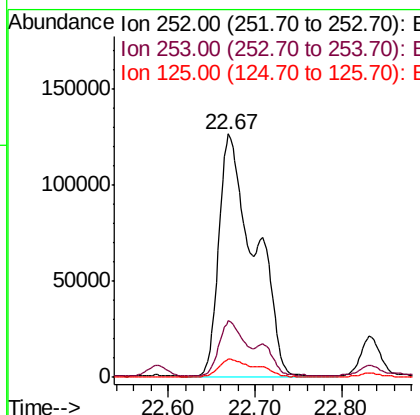
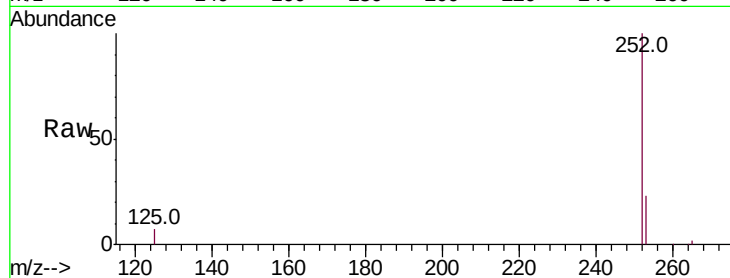




#22
Benzo(k)fluoranthene
Concen: 4.857 ng/ul
RT: 22.67 min Scan# 6426
Delta R.T. -0.05 min
Lab File: BM025639.D
Acq: 18 Mar 2020 21:46

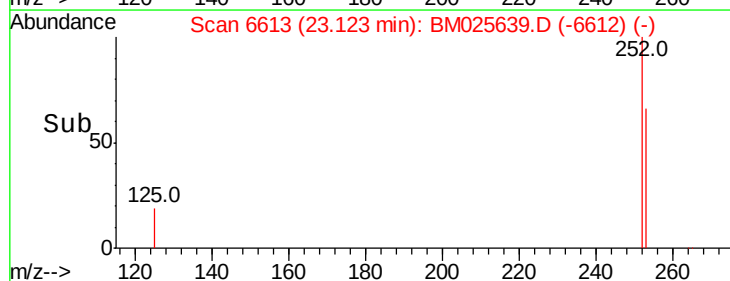
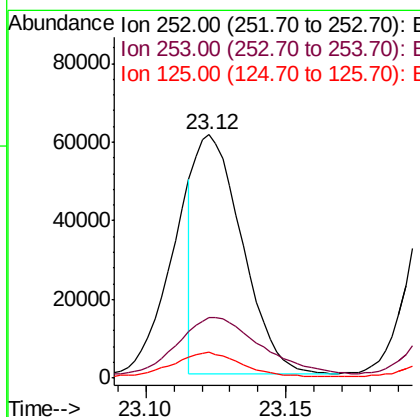
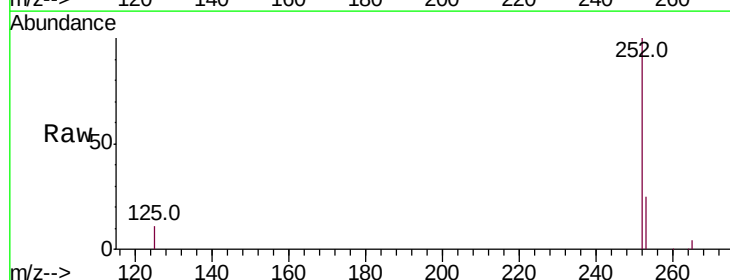
Instrument :
BNA_M
ClientSampleId :

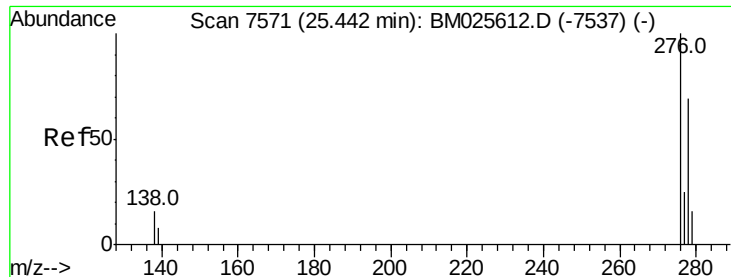
Tot Ion:252 Resp: 358661
Ion Ratio Lower Upper
252 100
253 23.2 19.8 29.8
125 7.4 7.1 10.7



#23
Benzo(a)pyrene
Concen: 1.210 ng/ul
RT: 23.12 min Scan# 6613
Delta R.T. -0.10 min
Lab File: BM025639.D
Acq: 18 Mar 2020 21:46

Tgt Ion:252 Resp: 70835
Ion Ratio Lower Upper
252 100
253 24.8 21.3 31.9
125 10.5 8.5 12.7



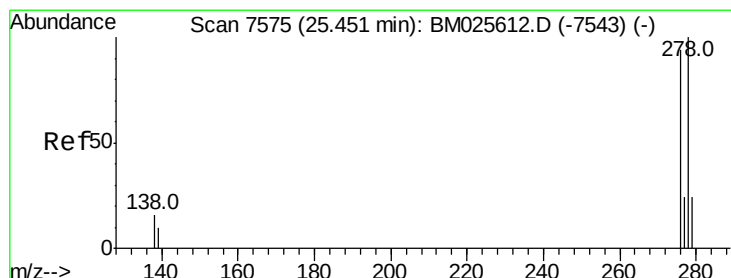
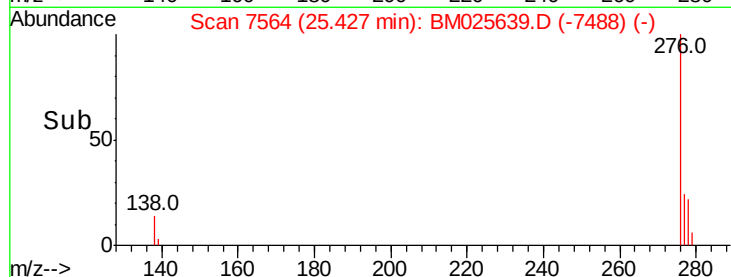
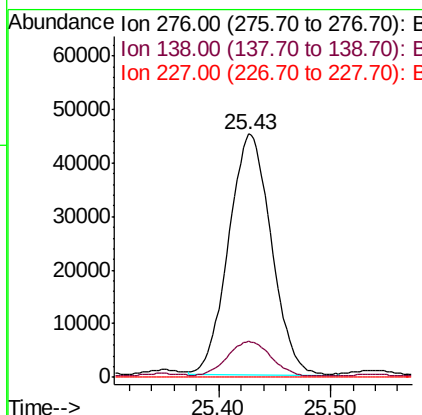
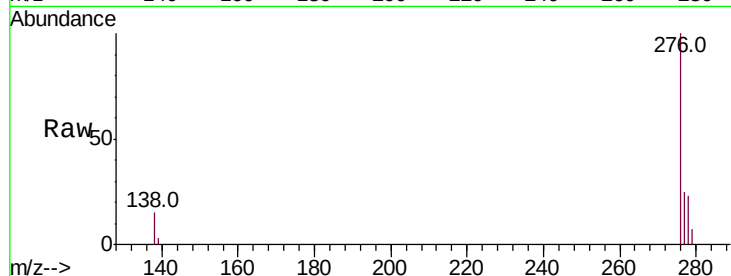


#24

Indeno(1,2,3-cd)pyrene
Concen: 1.502 ng/ul
RT: 25.43 min Scan# 7564
Delta R.T. -0.01 min
Lab File: BM025639.D
Acq: 18 Mar 2020 21:46

Instrument :
BNA_M
ClientSampleId :

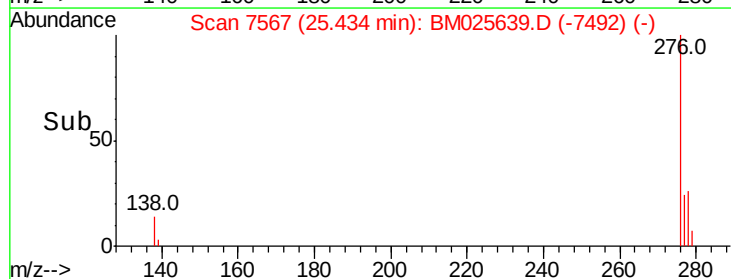
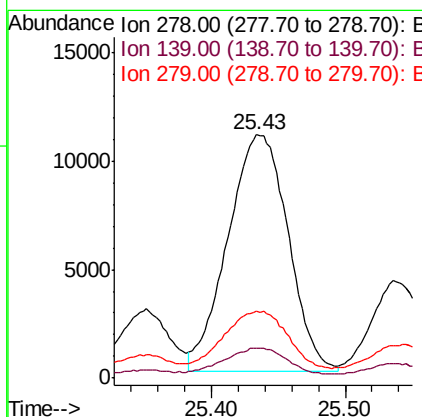
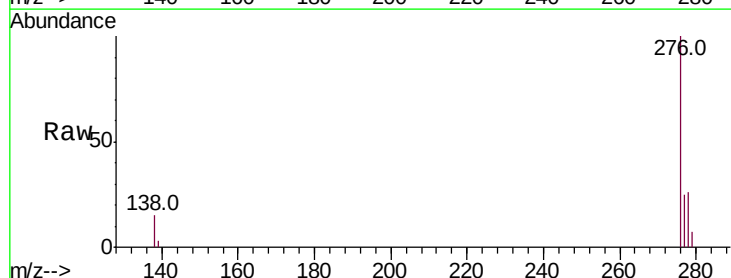
Tot Ion:276 Resp: 119271
Ion Ratio Lower Upper
276 100
138 14.9 12.3 18.5
227 0.0 0.0 0.0

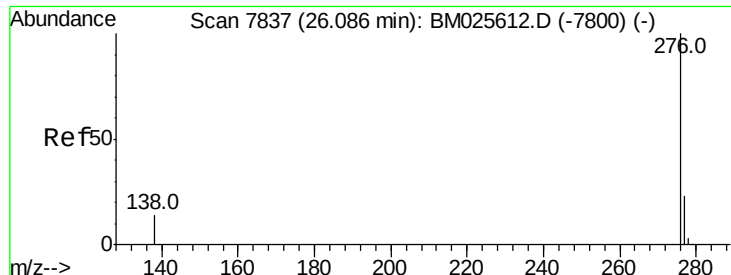


#25

Dibenzo(a,h)anthracene
Concen: 0.511 ng/ul
RT: 25.43 min Scan# 7567
Delta R.T. -0.02 min
Lab File: BM025639.D
Acq: 18 Mar 2020 21:46

Tgt Ion:278 Resp: 34121
Ion Ratio Lower Upper
278 100
139 12.1 9.0 13.6
279 27.7 21.1 31.7





#26

Benzo(a,h,i)perylene

Concen: 1.243 ng/ul

RT: 26.08 min Scan# 7833

Delta R.T. -0.01 min

Lab File: BM025639.D

Acq: 18 Mar 2020 21:46

Instrument :

BNA_M

ClientSampleId :

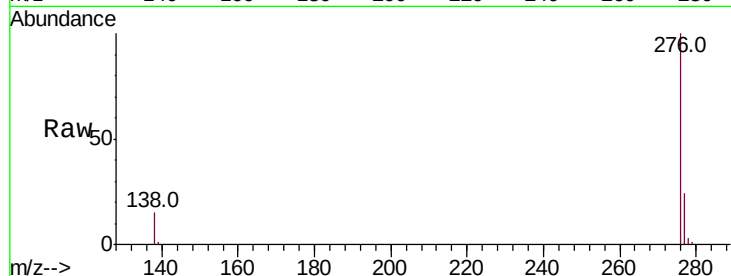
Tot Ion:276 Resp: 85611

Ion Ratio Lower Upper

276 100

138 14.7 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

