

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031820\
 Data File : BM025637.D
 Acq On : 18 Mar 2020 19:58
 Operator : CG/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 19 00:08:45 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

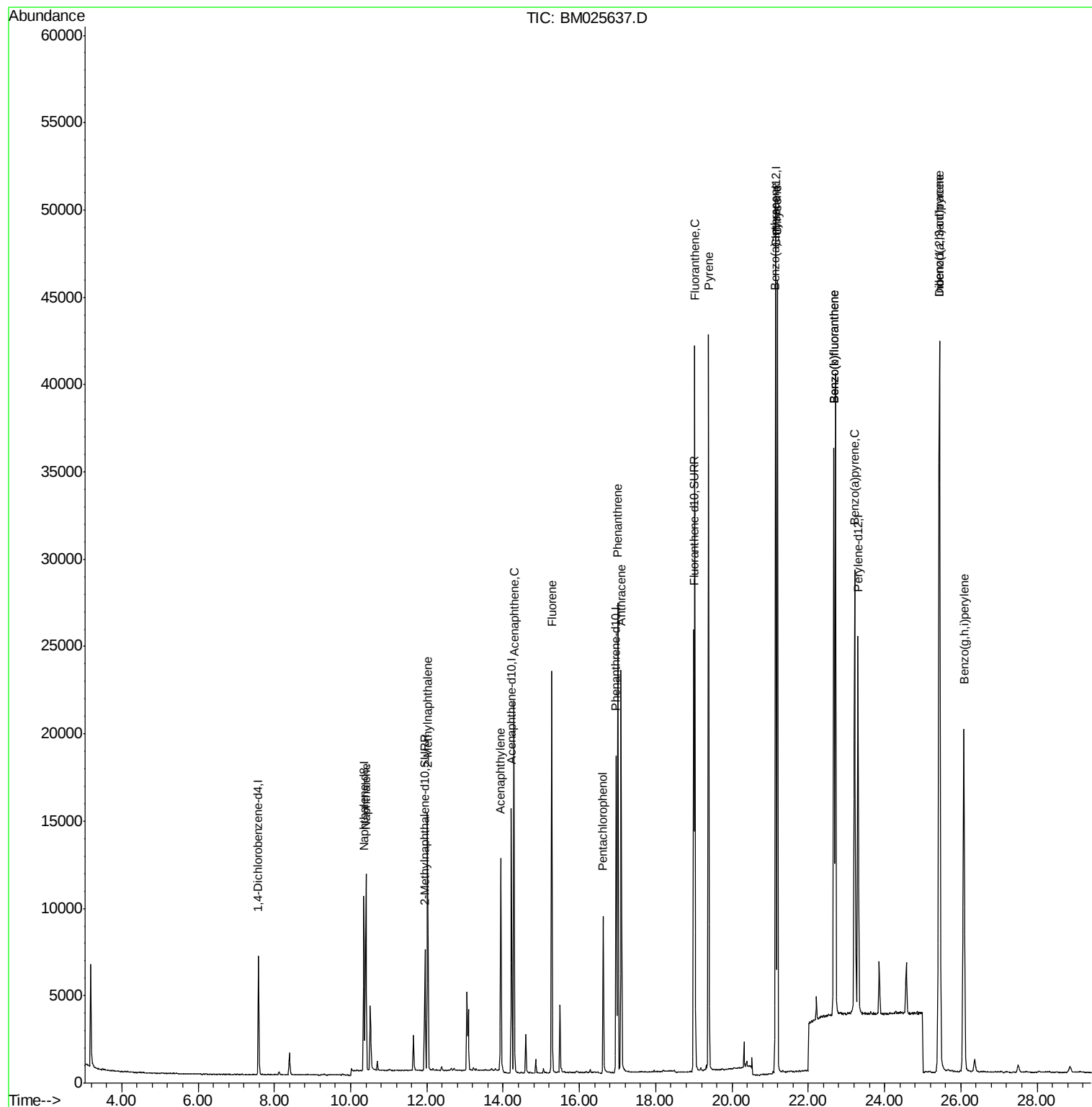
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	3343	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	13414	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	8408	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	21756	0.40	ng/ul	0.00
16) Chrysene-d12	21.16	240	24202	0.40	ng/ul	0.00
20) Perylene-d12	23.31	264	26461	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	9060	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	27863	0.47	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.40	128	15033	0.379	ng/ul	99
5) 2-Methylnaphthalene	12.02	142	10587	0.373	ng/ul	100
7) Acenaphthylene	13.94	152	13957	0.406	ng/ul#	86
8) Acenaphthene	14.28	153	11622	0.386	ng/ul	99
9) Fluorene	15.27	166	14118	0.385	ng/ul	99
11) Pentachlorophenol	16.62	266	5657	1.109	ng/ul	98
12) Phenanthrene	17.00	178	27057	0.392	ng/ul	100
13) Anthracene	17.09	178	24270	0.404	ng/ul	100
15) Fluoranthene	19.03	202	35688	0.477	ng/ul	97
17) Pyrene	19.39	202	36441	0.335	ng/ul	97
18) Benzo(a)anthracene	21.14	228	36151	0.418	ng/ul	100
19) Chrysene	21.19	228	37669	0.388	ng/ul	98
21) Benzo(b)fluoranthene	22.67	252	39300	0.375	ng/ul	97
22) Benzo(k)fluoranthene	22.67	252	39300	0.358	ng/ul	97
23) Benzo(a)pyrene	23.21	252	35074	0.403	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.43	276	47451	0.402	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.44	278	39223	0.395	ng/ul	97
26) Benzo(g,h,i)perylene	26.08	276	39229	0.383	ng/ul	98

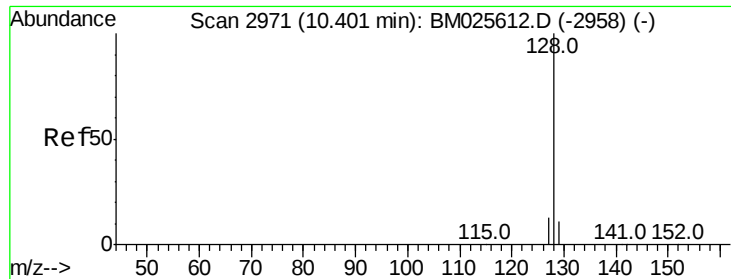
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.379 ng/ul

RT: 10.40 min Scan# 2970

Delta R.T. -0.00 min

Lab File: BM025637.D

Acq: 18 Mar 2020 19:58

Instrument :

BNA_M

ClientSampleId :

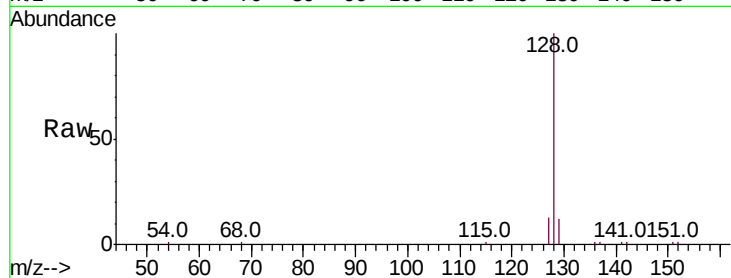
Tot Ion:128 Resp: 15033

Ion Ratio Lower Upper

128 100

129 11.9 9.4 14.0

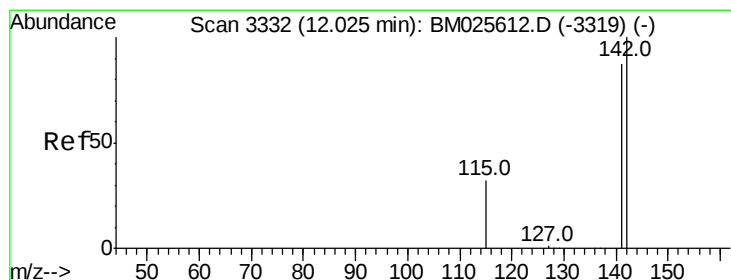
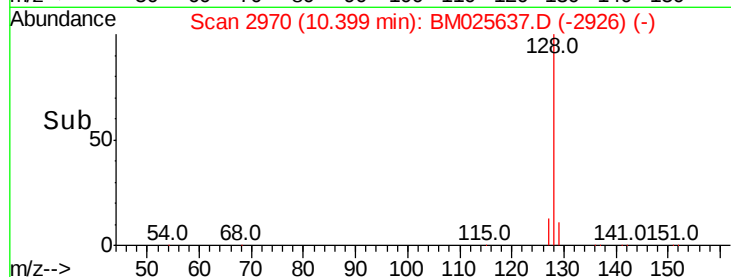
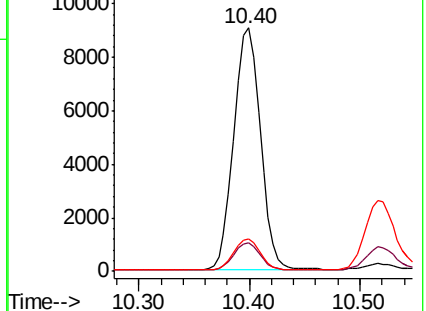
127 13.2 10.9 16.3



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: 0.373 ng/ul

RT: 12.02 min Scan# 3330

Delta R.T. -0.01 min

Lab File: BM025637.D

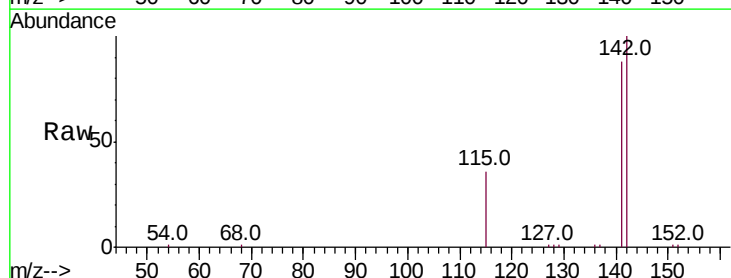
Acq: 18 Mar 2020 19:58

Tgt Ion:142 Resp: 10587

Ion Ratio Lower Upper

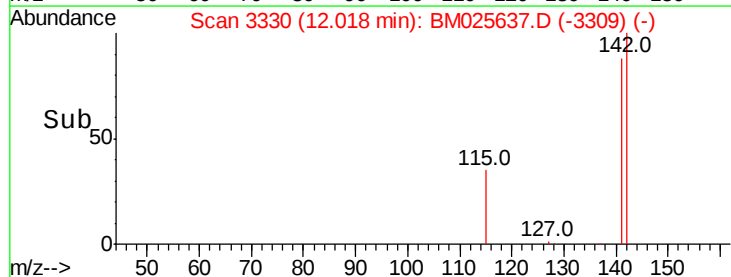
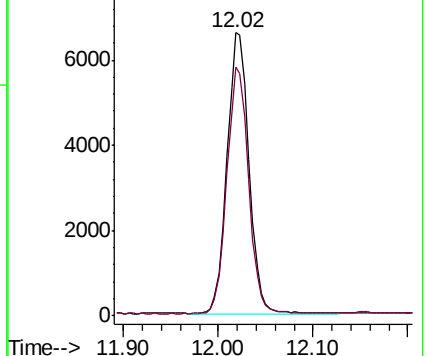
142 100

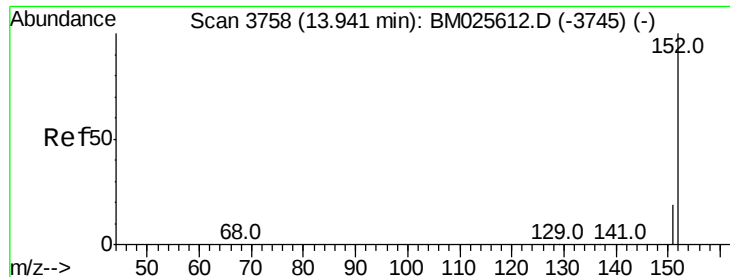
141 87.2 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.406 ng/ul

RT: 13.94 min Scan# 3757

Delta R.T. -0.00 min

Lab File: BM025637.D

Acq: 18 Mar 2020 19:58

Instrument :

BNA_M

ClientSampleId :

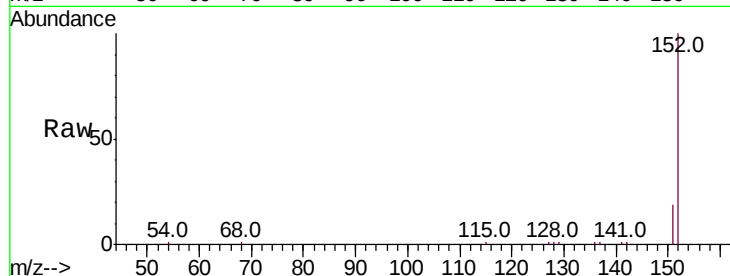
Tot Ion:152 Resp: 13957

Ion Ratio Lower Upper

152 100

151 19.4 16.2 24.2

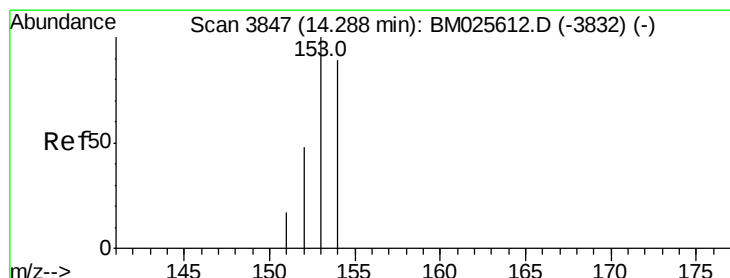
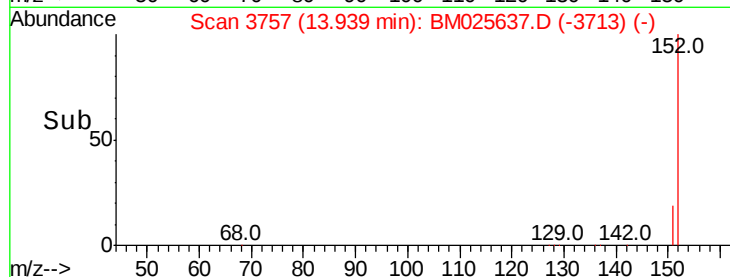
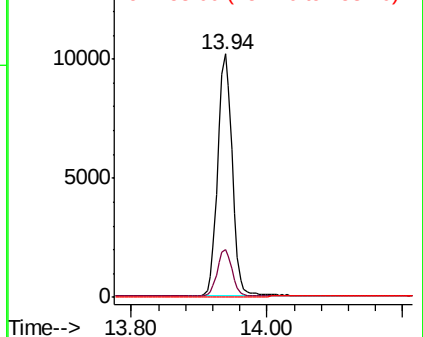
153 0.0 10.6 16.0#



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: 0.386 ng/ul

RT: 14.28 min Scan# 3845

Delta R.T. -0.01 min

Lab File: BM025637.D

Acq: 18 Mar 2020 19:58

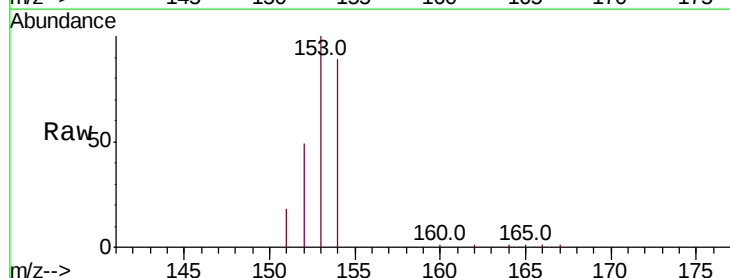
Tgt Ion:153 Resp: 11622

Ion Ratio Lower Upper

153 100

152 48.8 39.5 59.3

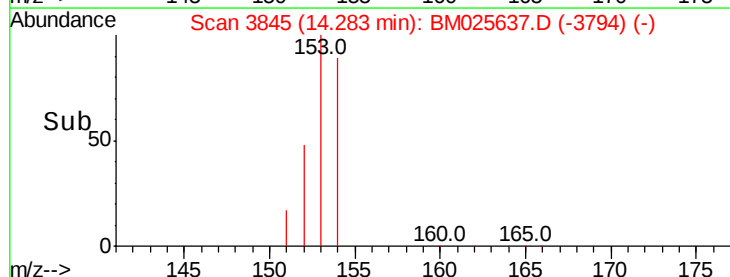
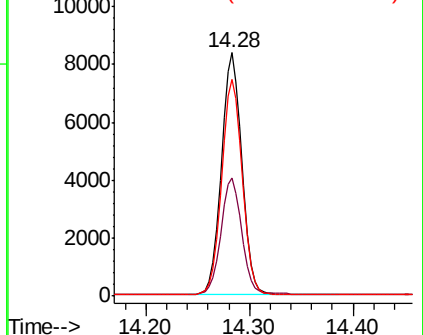
154 89.2 71.7 107.5

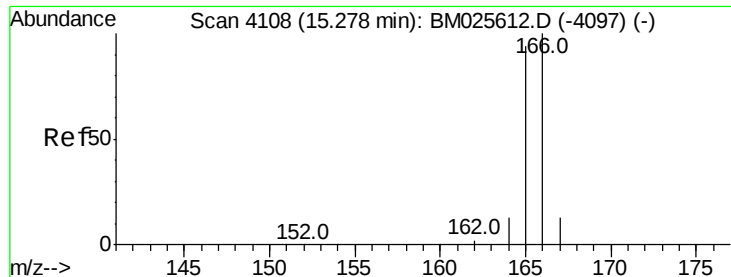


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

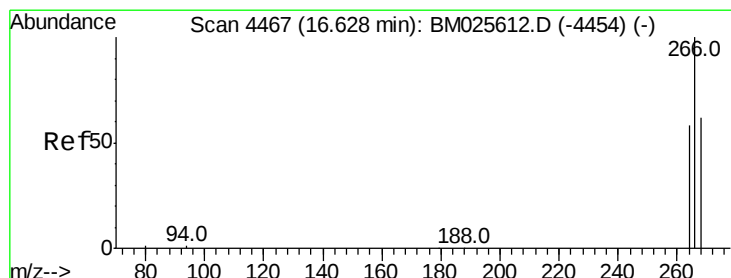
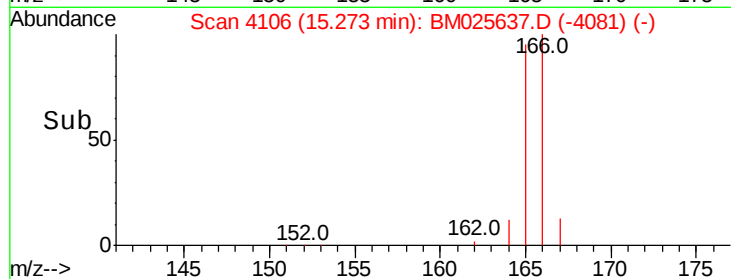
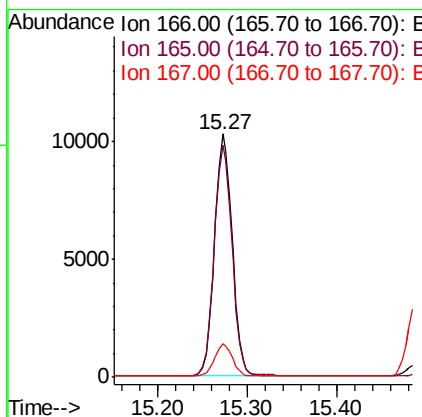
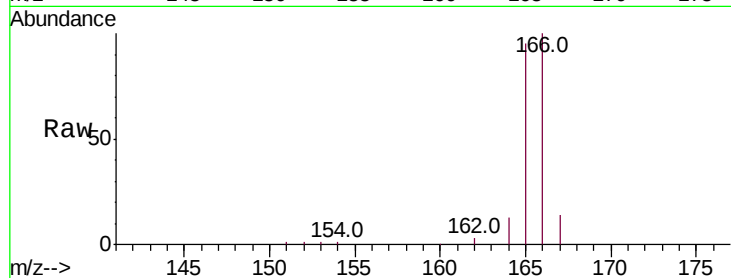




#9
Fluorene
 Concen: 0.385 ng/ul
 RT: 15.27 min Scan# 4106
 Delta R.T. -0.01 min
 Lab File: BM025637.D
 Acq: 18 Mar 2020 19:58

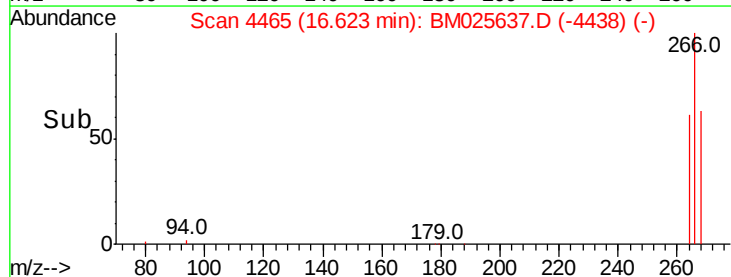
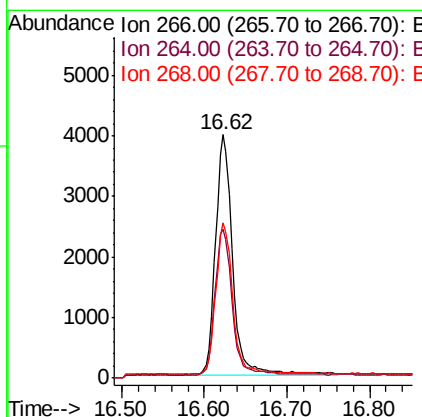
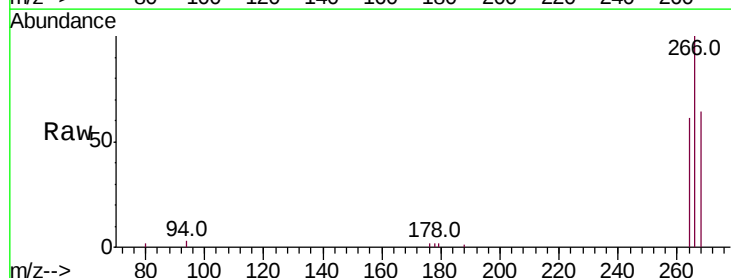
Instrument :
 BNA_M
 ClientSampleId :

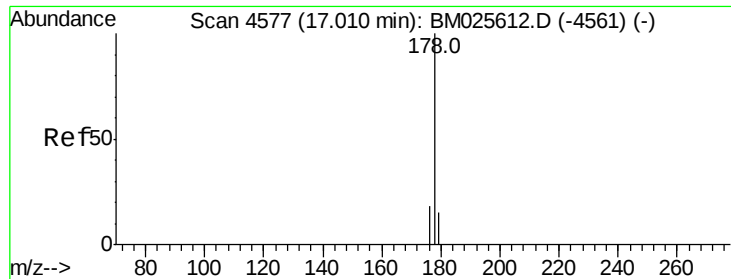
Tot Ion:166 Resp: 14118
 Ion Ratio Lower Upper
 166 100
 165 95.4 76.8 115.2
 167 13.6 11.2 16.8



#11
Pentachlorophenol
 Concen: 1.109 ng/ul
 RT: 16.62 min Scan# 4465
 Delta R.T. -0.01 min
 Lab File: BM025637.D
 Acq: 18 Mar 2020 19:58

Tgt Ion:266 Resp: 5657
 Ion Ratio Lower Upper
 266 100
 264 61.9 48.2 72.2
 268 64.2 50.7 76.1





#12

Phenanthrene

Concen: 0.392 ng/ul

RT: 17.00 min Scan# 4575

Delta R.T. -0.01 min

Lab File: BM025637.D

Acq: 18 Mar 2020 19:58

Instrument :

BNA_M

ClientSampleId :

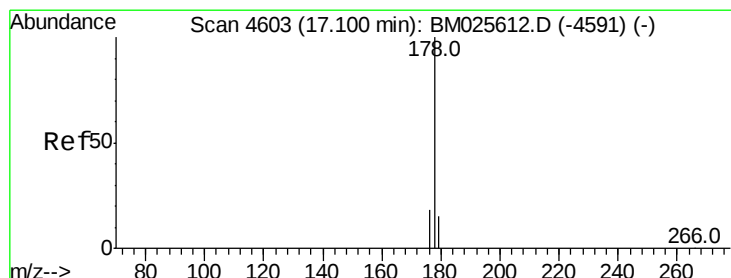
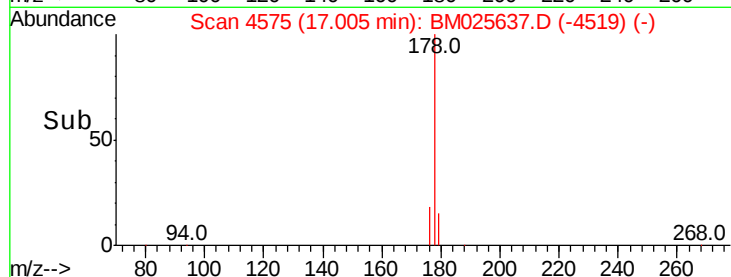
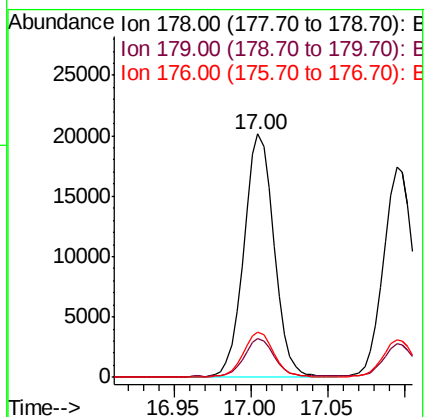
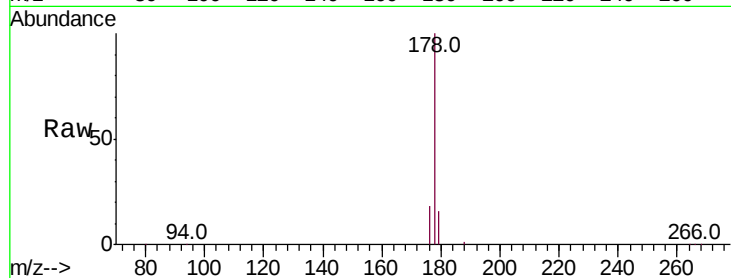
Tot Ion:178 Resp: 27057

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

176 18.4 14.8 22.2



#13

Anthracene

Concen: 0.404 ng/ul

RT: 17.09 min Scan# 4601

Delta R.T. -0.01 min

Lab File: BM025637.D

Acq: 18 Mar 2020 19:58

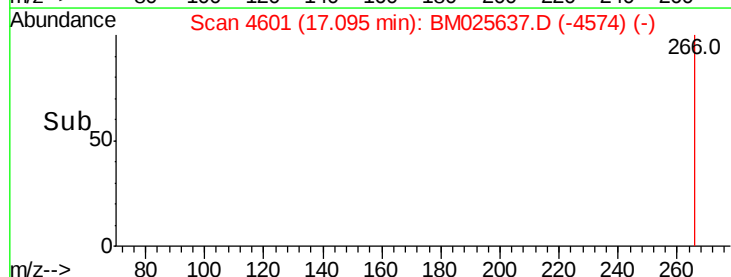
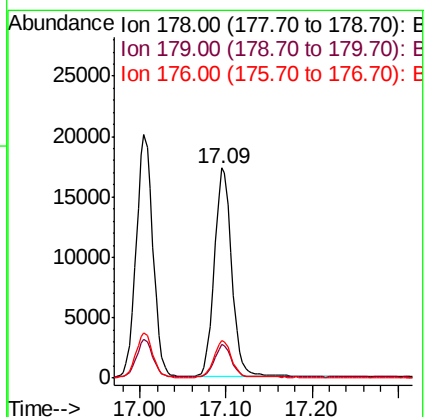
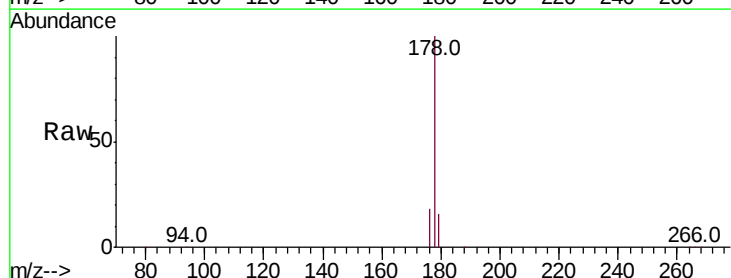
Tgt Ion:178 Resp: 24270

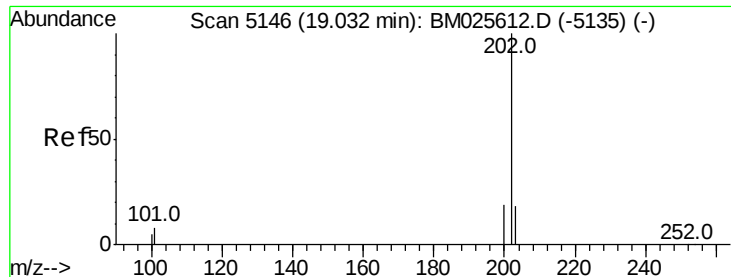
Ion Ratio Lower Upper

178 100

179 15.8 12.6 18.8

176 17.9 14.5 21.7

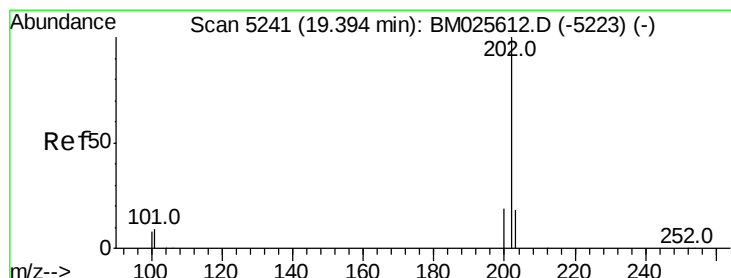
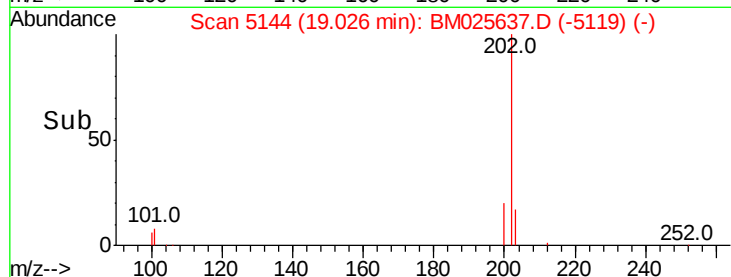
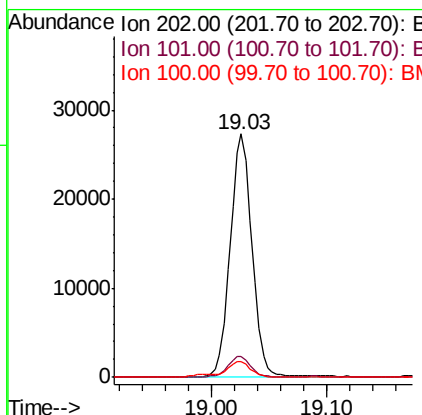
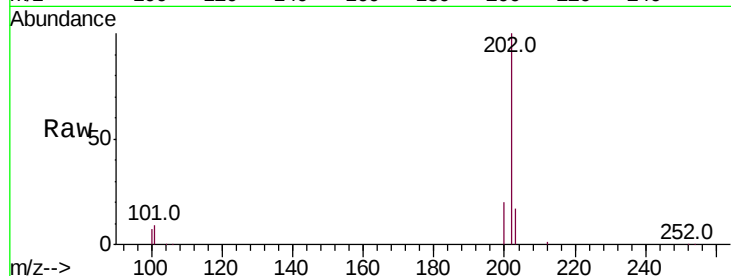




#15
 Fluoranthene
 Concen: 0.477 ng/ul
 RT: 19.03 min Scan# 5144
 Delta R.T. -0.01 min
 Lab File: BM025637.D
 Acq: 18 Mar 2020 19:58

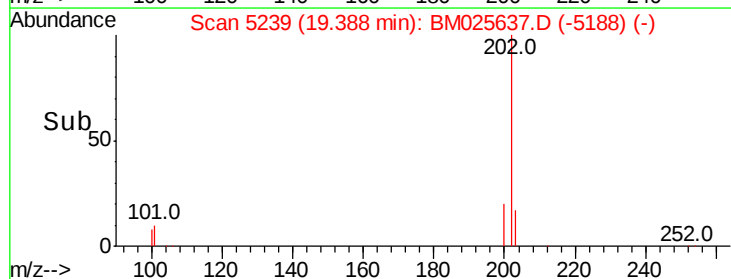
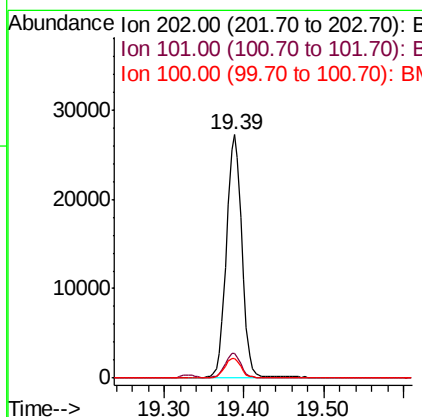
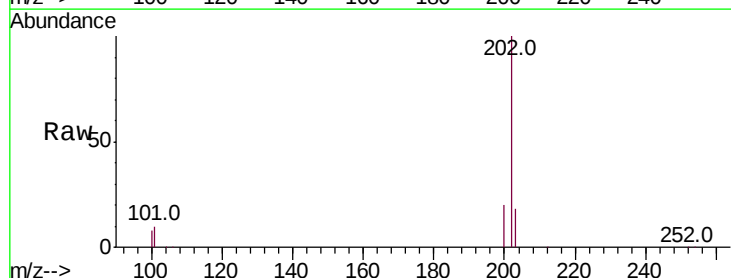
Instrument :
 BNA_M
 ClientSampleId :

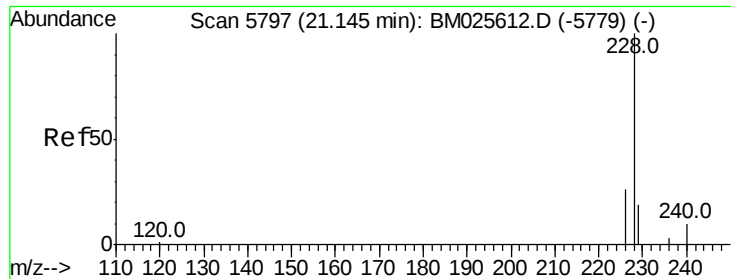
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	27.5
100	6.6	0.0	26.0



#17
 Pyrene
 Concen: 0.335 ng/ul
 RT: 19.39 min Scan# 5239
 Delta R.T. -0.01 min
 Lab File: BM025637.D
 Acq: 18 Mar 2020 19:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.1	10.7
100	8.1	6.0	9.0





#18

Benzo(a)anthracene

Concen: 0.418 ng/ul

RT: 21.14 min Scan# 5794

Delta R.T. -0.01 min

Lab File: BM025637.D

Acq: 18 Mar 2020 19:58

Instrument :

BNA_M

ClientSampleId :

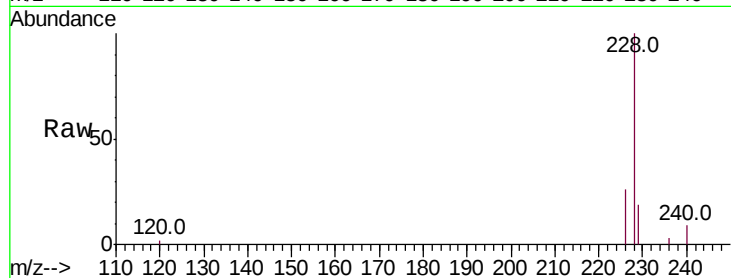
Tot Ion:228 Resp: 36151

Ion Ratio Lower Upper

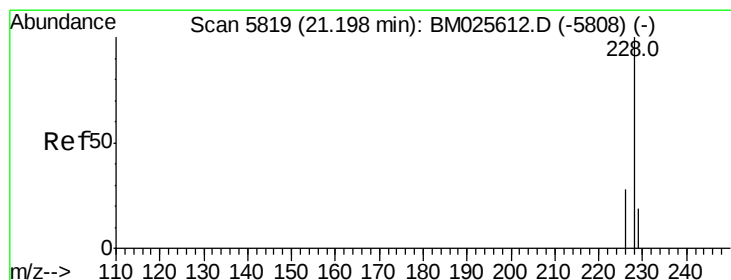
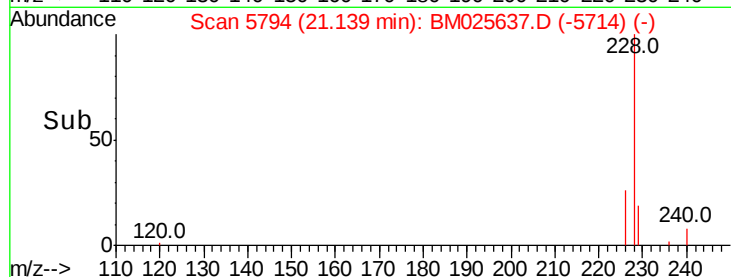
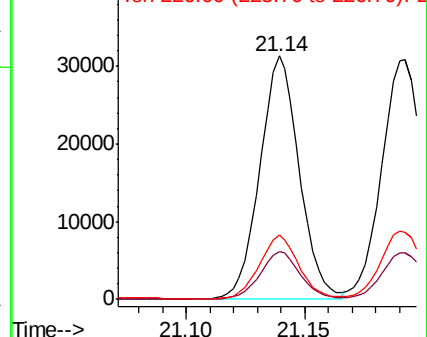
228 100

229 19.5 15.6 23.4

226 26.3 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: 0.388 ng/ul

RT: 21.19 min Scan# 5816

Delta R.T. -0.01 min

Lab File: BM025637.D

Acq: 18 Mar 2020 19:58

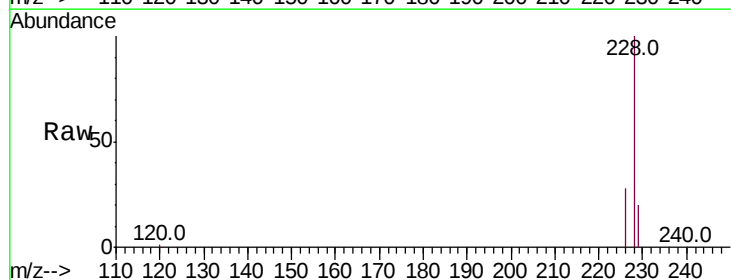
Tgt Ion:228 Resp: 37669

Ion Ratio Lower Upper

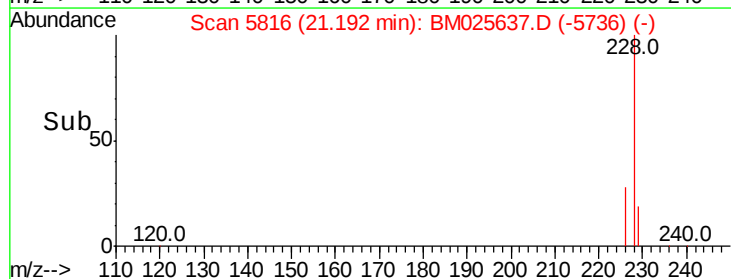
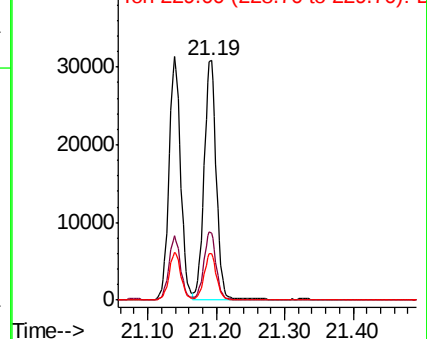
228 100

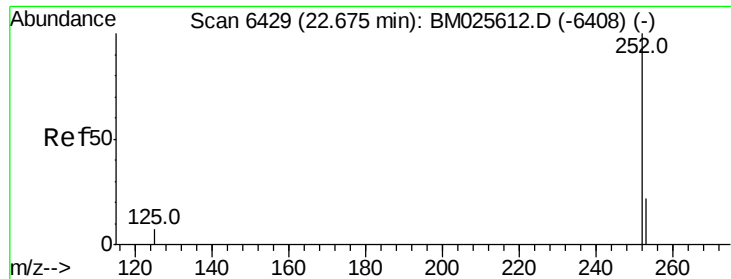
226 28.2 23.6 35.4

229 19.6 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: 0.375 ng/u1

RT: 22.67 min Scan# 6426

Delta R.T. -0.01 min

Lab File: BM025637.D

Acq: 18 Mar 2020 19:58

Instrument :

BNA_M

ClientSampleId :

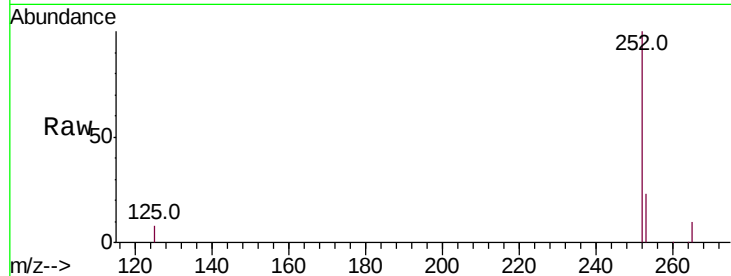
Tot Ion:252 Resp: 39300

Ion Ratio Lower Upper

252 100

253 23.3 0.0 50.2

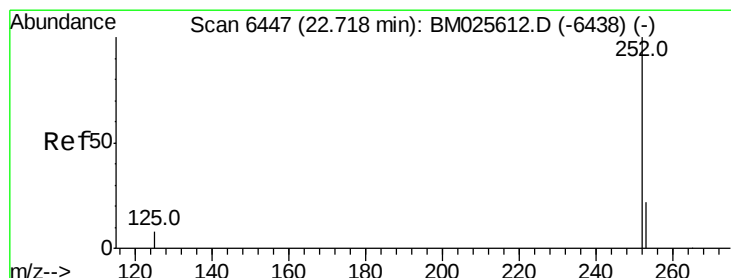
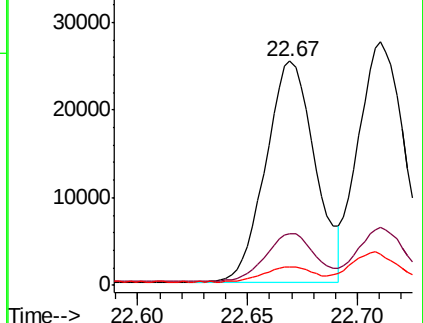
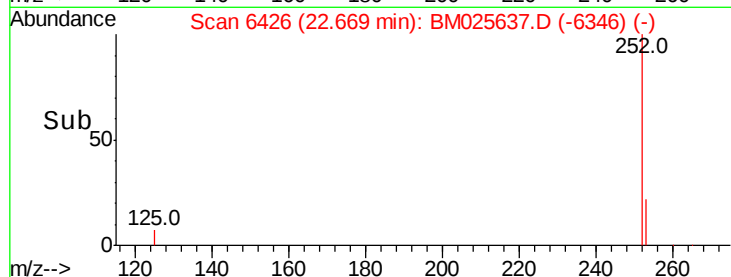
125 8.4 0.0 17.6



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: 0.358 ng/u1

RT: 22.67 min Scan# 6426

Delta R.T. -0.05 min

Lab File: BM025637.D

Acq: 18 Mar 2020 19:58

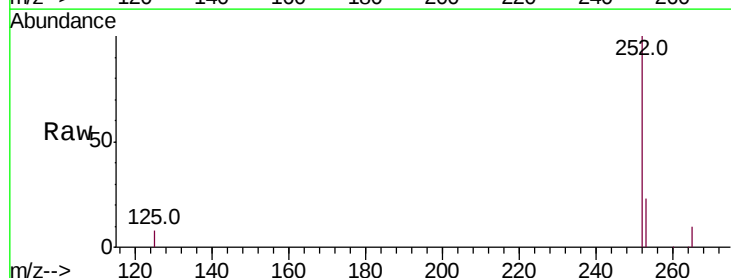
Tgt Ion:252 Resp: 39300

Ion Ratio Lower Upper

252 100

253 23.3 19.8 29.8

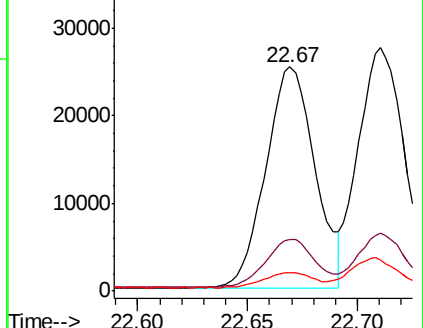
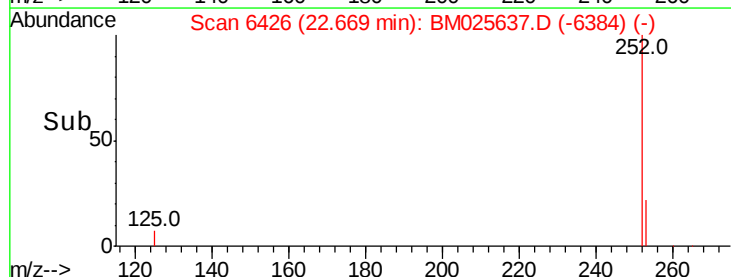
125 8.4 7.1 10.7

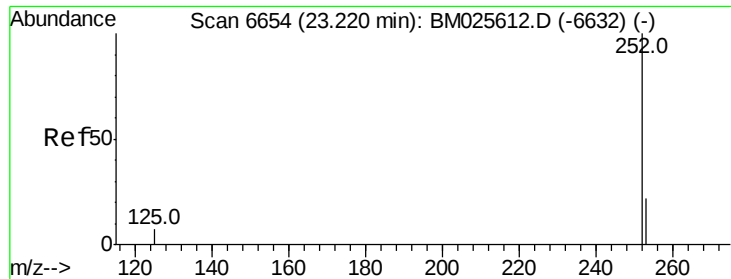


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.403 ng/ul

RT: 23.21 min Scan# 6650

Delta R.T. -0.01 min

Lab File: BM025637.D

Acq: 18 Mar 2020 19:58

Instrument :

BNA_M

ClientSampled :

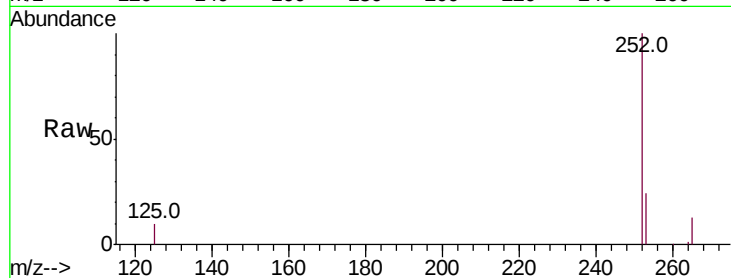
Tot Ion:252 Resp: 35074

Ion Ratio Lower Upper

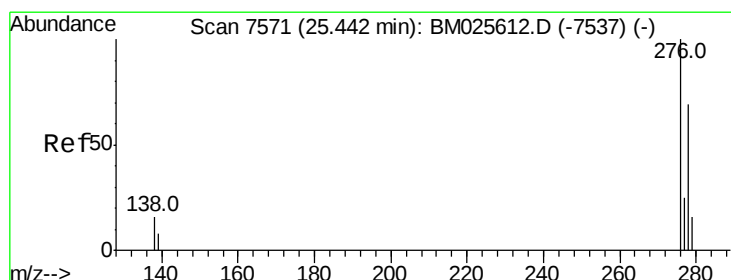
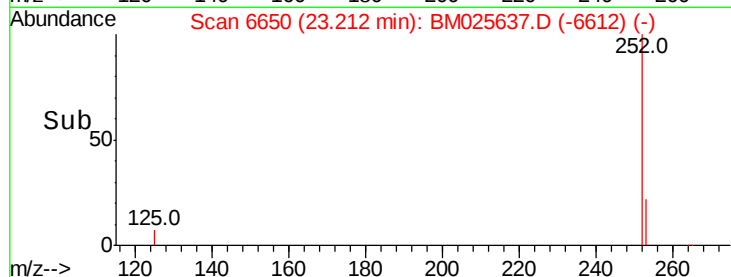
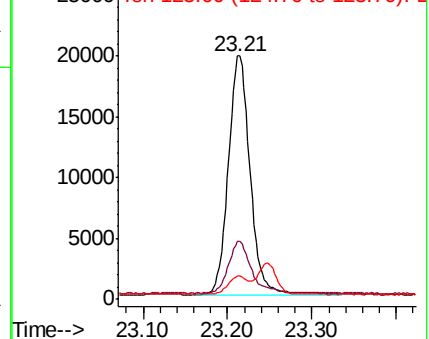
252 100

253 23.6 21.3 31.9

125 9.5 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: 0.402 ng/ul

RT: 25.43 min Scan# 7567

Delta R.T. -0.01 min

Lab File: BM025637.D

Acq: 18 Mar 2020 19:58

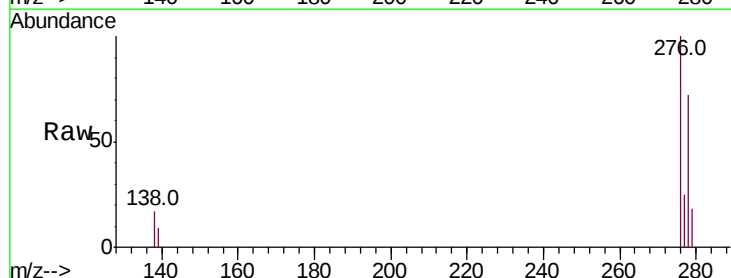
Tgt Ion:276 Resp: 47451

Ion Ratio Lower Upper

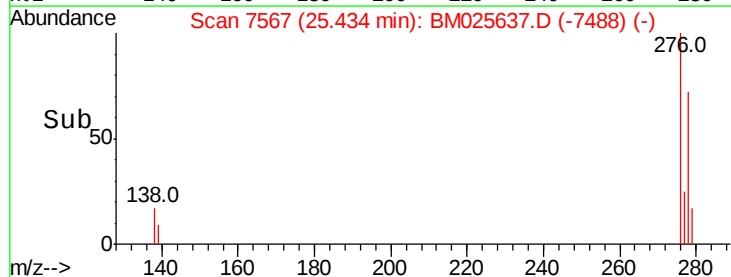
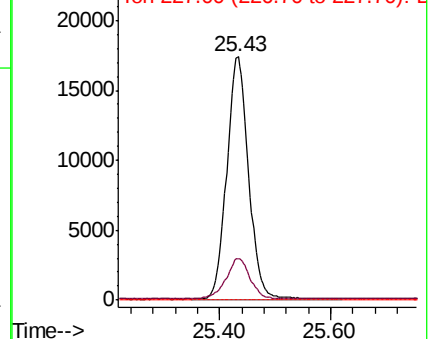
276 100

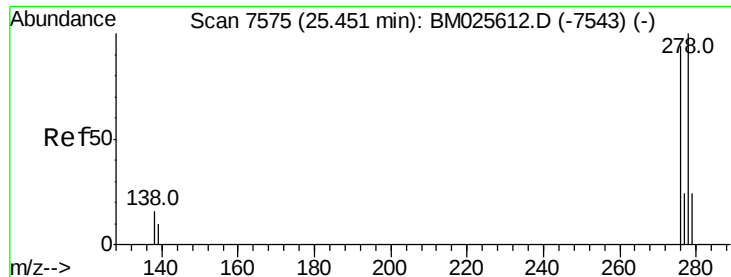
138 18.2 12.3 18.5

227 0.0 0.0 0.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E

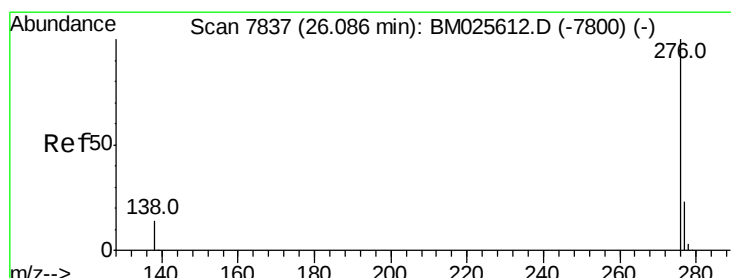
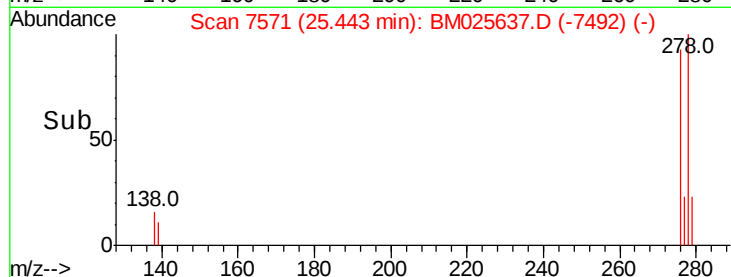
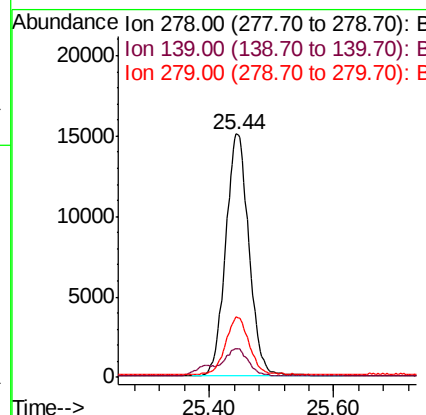
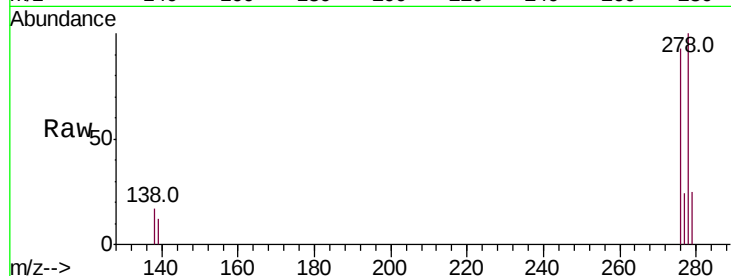




#25
Dibenzo(a,h)anthracene
Concen: 0.395 ng/ul
RT: 25.44 min Scan# 7571
Delta R.T. -0.01 min
Lab File: BM025637.D
Acq: 18 Mar 2020 19:58

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 39223
Ion Ratio Lower Upper
278 100
139 11.6 9.0 13.6
279 24.7 21.1 31.7



#26
Benzo(g,h,i)perylene
Concen: 0.383 ng/ul
RT: 26.08 min Scan# 7833
Delta R.T. -0.01 min
Lab File: BM025637.D
Acq: 18 Mar 2020 19:58

Tgt Ion:276 Resp: 39229
Ion Ratio Lower Upper
276 100
138 15.3 11.0 16.4
277 24.0 19.8 29.6

