

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091619\
 Data File : BM022684.D
 Acq On : 16 Sep 2019 10:10
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 17 01:33:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration

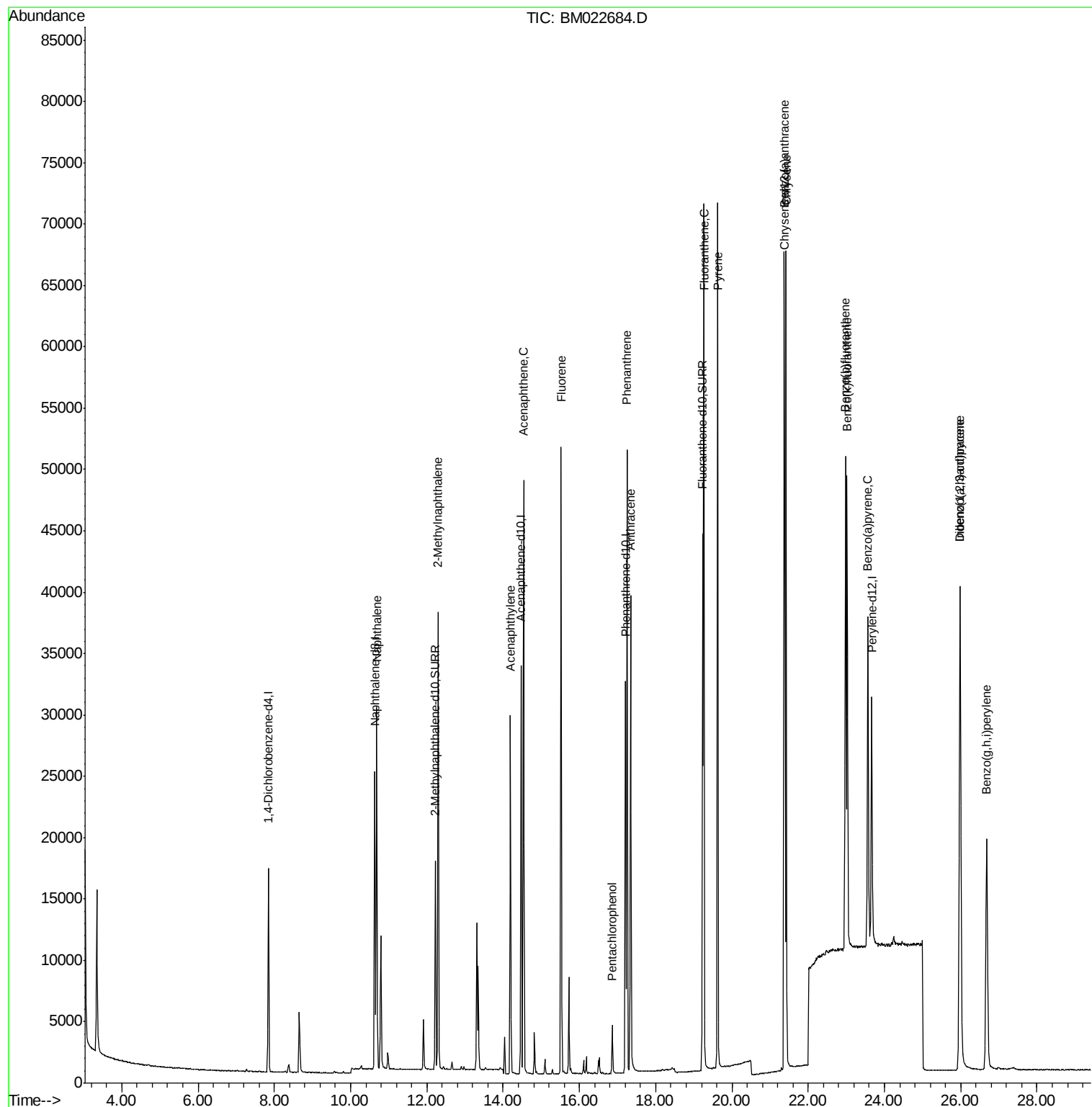
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	8351	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	32129	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	17674	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	37391	0.40	ng/ul	0.00
16) Chrysene-d12	21.39	240	32339	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	26667	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	22687	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.23	212	47346	0.46	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.68	128	39132	0.427	ng/ul	100
5) 2-Methylnaphthalene	12.30	142	26843	0.428	ng/ul	100
7) Acenaphthylene	14.19	152	32791	0.401	ng/ul	100
8) Acenaphthene	14.54	153	27145	0.396	ng/ul	99
9) Fluorene	15.52	166	30917	0.394	ng/ul	99
11) Pentachlorophenol	16.86	266	2893	0.381	ng/ul	98
12) Phenanthrene	17.25	178	52064	0.437	ng/ul	99
13) Anthracene	17.34	178	43620	0.427	ng/ul	100
15) Fluoranthene	19.26	202	59478	0.463	ng/ul	99
17) Pyrene	19.62	202	59714	0.407	ng/ul	99
18) Benzo(a)anthracene	21.37	228	50748	0.410	ng/ul	99
19) Chrysene	21.42	228	56545	0.434	ng/ul	100
21) Benzo(b)fluoranthene	22.98	252	51583	0.445	ng/ul	99
22) Benzo(k)fluoranthene	23.02	252	50037	0.423	ng/ul	99
23) Benzo(a)pyrene	23.56	252	42688	0.421	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.98	276	48199	0.390	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.99	278	39015	0.390	ng/ul	98
26) Benzo(g,h,i)perylene	26.68	276	41765	0.424	ng/ul	99

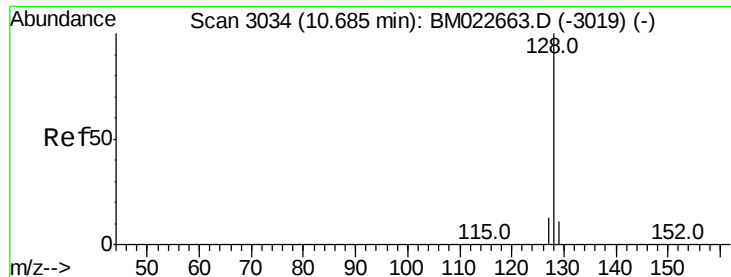
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM091019.M
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#3

Naphthalene

Concen: 0.427 ng/ul

RT: 10.68 min Scan# 3033

Delta R.T. -0.01 min

Lab File: BM022684.D

Acq: 16 Sep 2019 10:10

Instrument :

BNA_M

ClientSampleId :

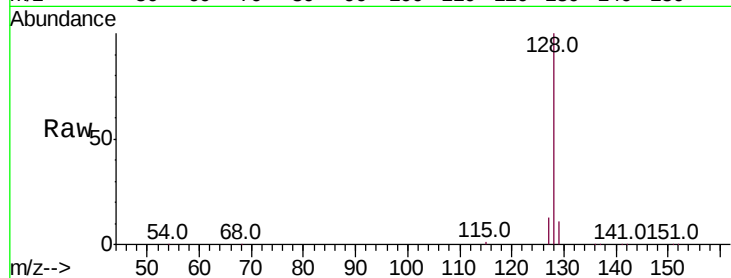
Tot Ion:128 Resp: 39132

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

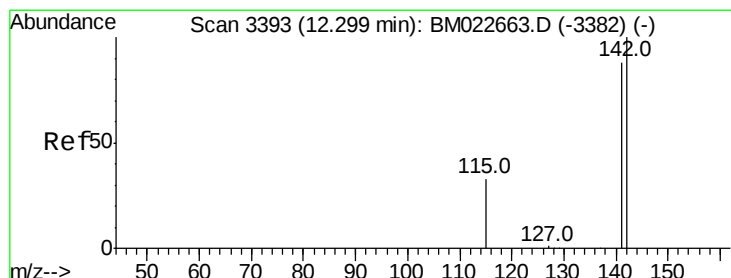
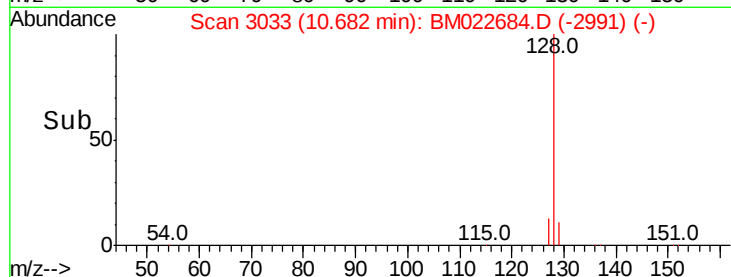
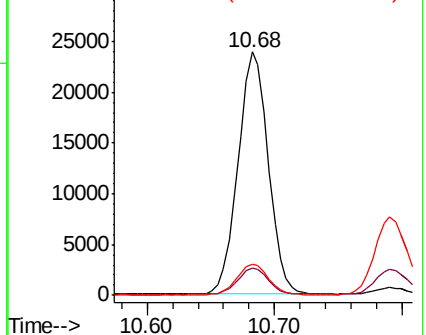
127 12.9 10.4 15.6



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: 0.428 ng/ul

RT: 12.30 min Scan# 3392

Delta R.T. -0.01 min

Lab File: BM022684.D

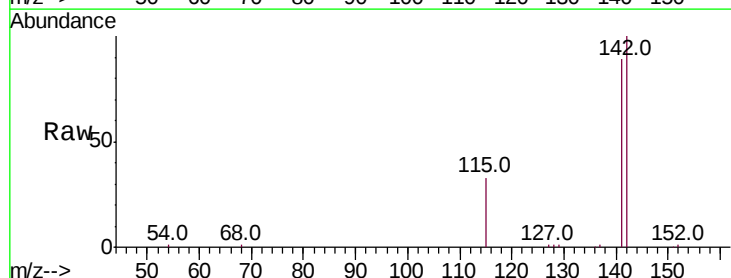
Acq: 16 Sep 2019 10:10

Tgt Ion:142 Resp: 26843

Ion Ratio Lower Upper

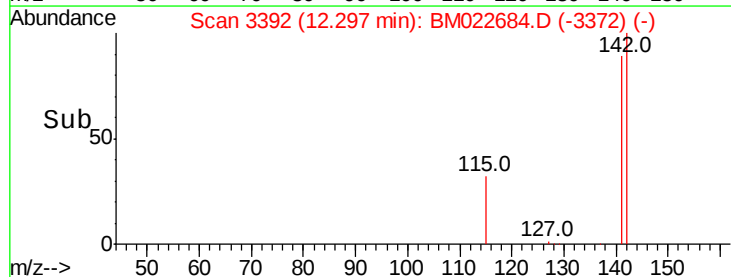
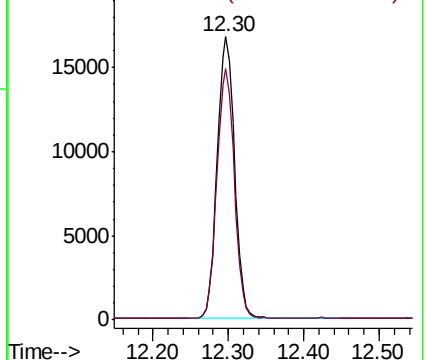
142 100

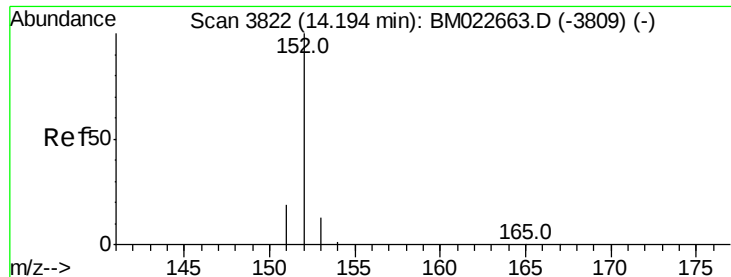
141 88.5 70.8 106.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.401 ng/ul

RT: 14.19 min Scan# 3821

Delta R.T. -0.01 min

Lab File: BM022684.D

Acq: 16 Sep 2019 10:10

Instrument :

BNA_M

ClientSampleId :

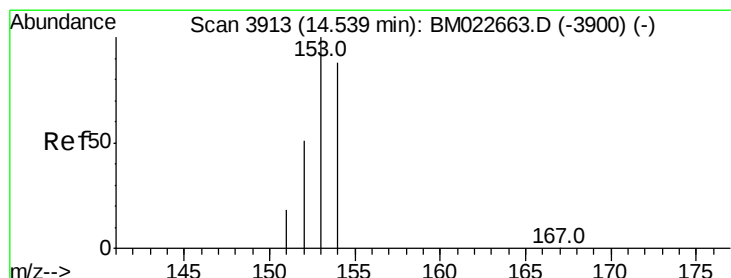
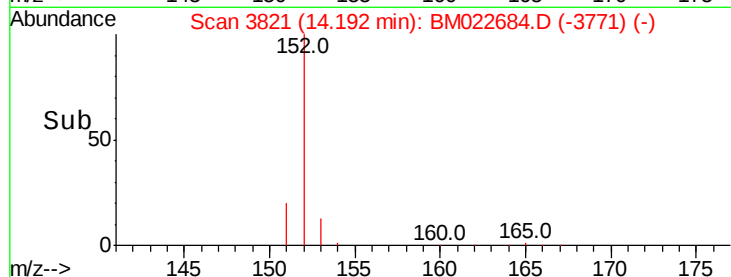
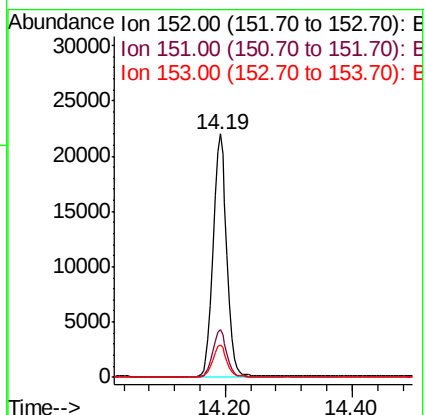
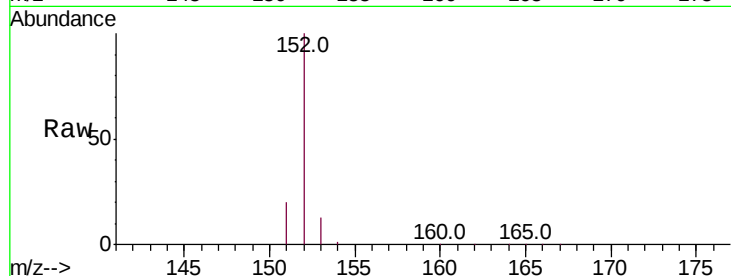
Tot Ion:152 Resp: 32791

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.8

153 13.3 10.7 16.1



#8

Acenaphthene

Concen: 0.396 ng/ul

RT: 14.54 min Scan# 3912

Delta R.T. -0.00 min

Lab File: BM022684.D

Acq: 16 Sep 2019 10:10

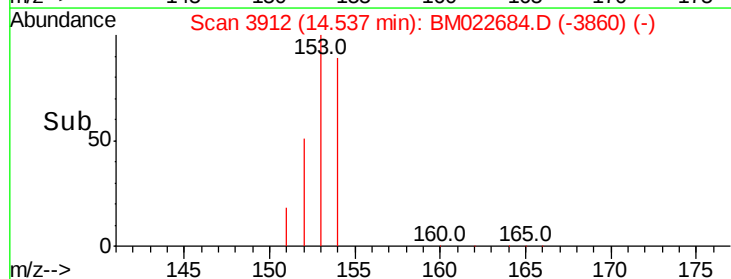
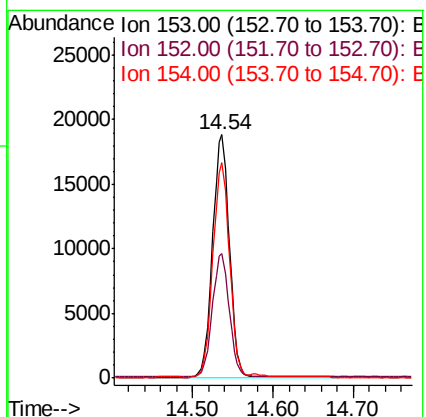
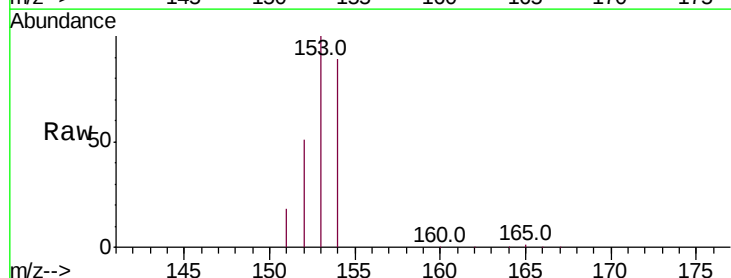
Tgt Ion:153 Resp: 27145

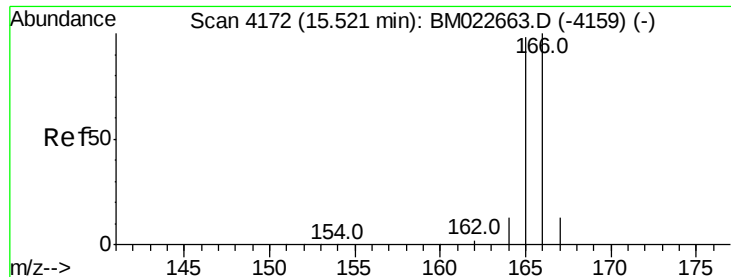
Ion Ratio Lower Upper

153 100

152 51.2 40.7 61.1

154 88.7 70.0 105.0

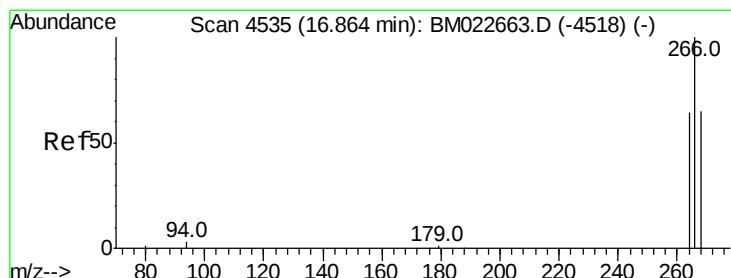
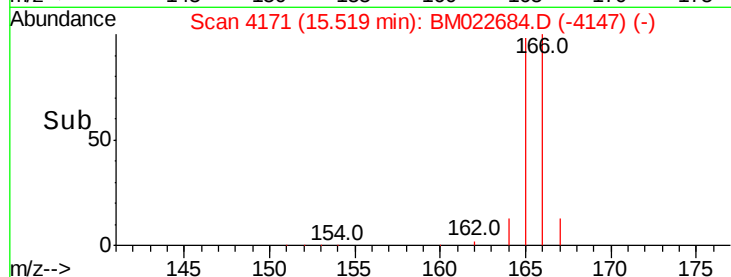
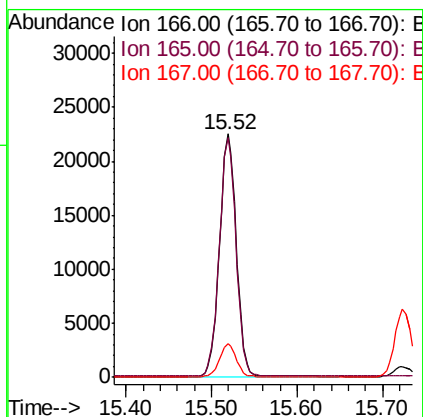
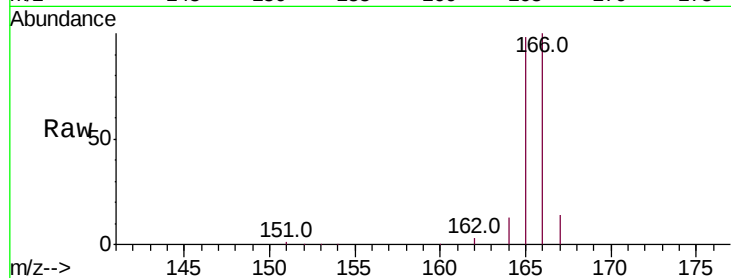




#9
Fluorene
 Concen: 0.394 ng/ul
 RT: 15.52 min Scan# 4171
 Delta R.T. -0.01 min
 Lab File: BM022684.D
 Acq: 16 Sep 2019 10:10

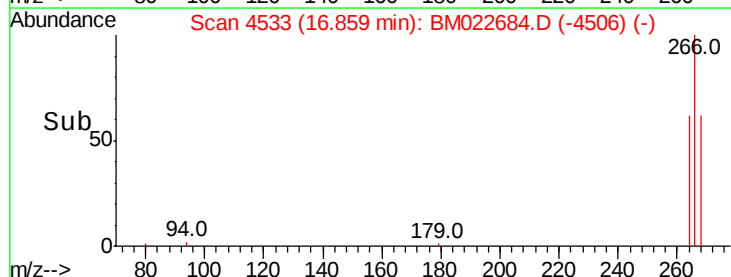
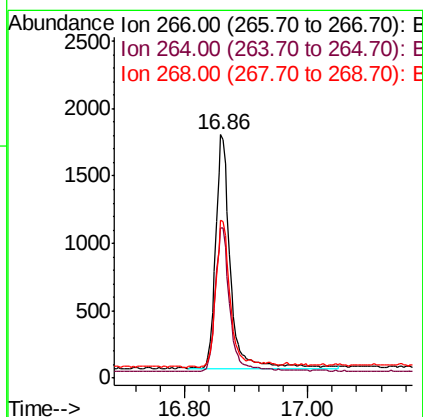
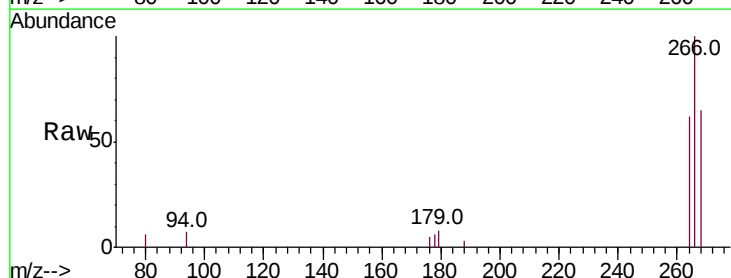
Instrument :
 BNA_M
 ClientSampleId :

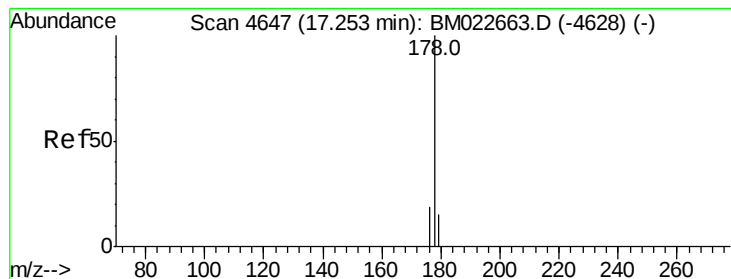
Tot Ion:166 Resp: 30917
 Ion Ratio Lower Upper
 166 100
 165 98.3 78.2 117.2
 167 13.7 10.8 16.2



#11
Pentachlorophenol
 Concen: 0.381 ng/ul
 RT: 16.86 min Scan# 4533
 Delta R.T. -0.01 min
 Lab File: BM022684.D
 Acq: 16 Sep 2019 10:10

Tgt Ion:266 Resp: 2893
 Ion Ratio Lower Upper
 266 100
 264 62.2 50.4 75.6
 268 61.8 51.3 76.9





#12

Phenanthrene

Concen: 0.437 ng/ul

RT: 17.25 min Scan# 4646

Delta R.T. -0.01 min

Lab File: BM022684.D

Acq: 16 Sep 2019 10:10

Instrument :

BNA_M

ClientSampleId :

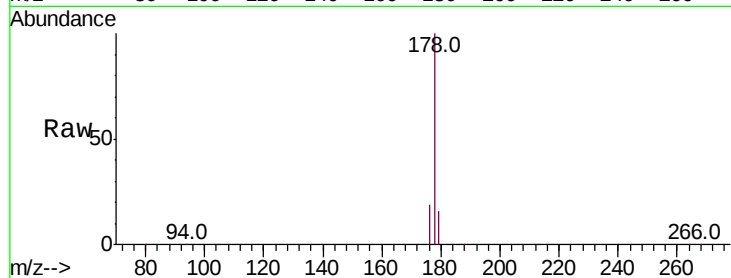
Tot Ion:178 Resp: 52064

Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

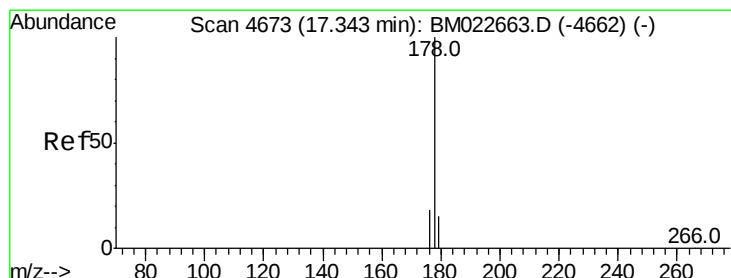
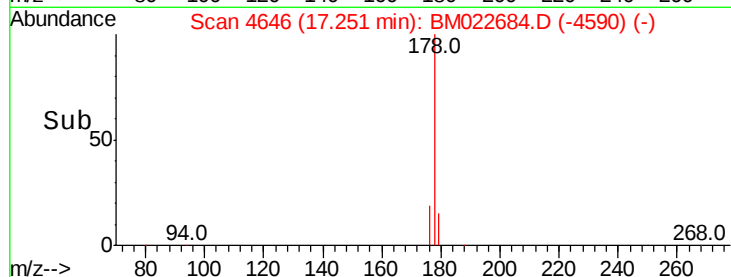
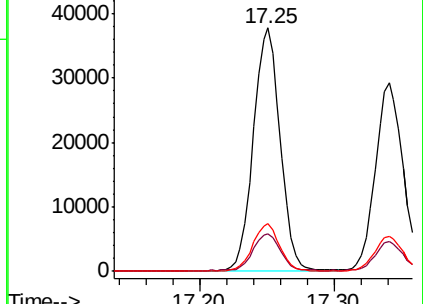
176 19.4 15.3 22.9



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: 0.427 ng/ul

RT: 17.34 min Scan# 4672

Delta R.T. -0.01 min

Lab File: BM022684.D

Acq: 16 Sep 2019 10:10

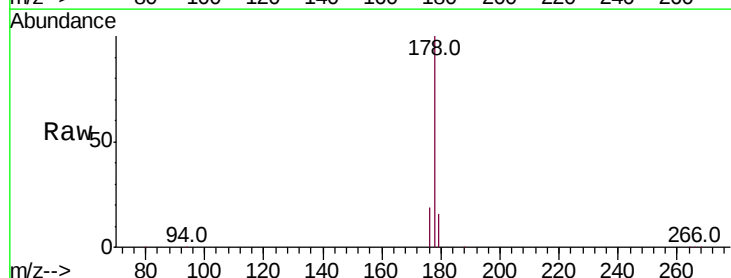
Tgt Ion:178 Resp: 43620

Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

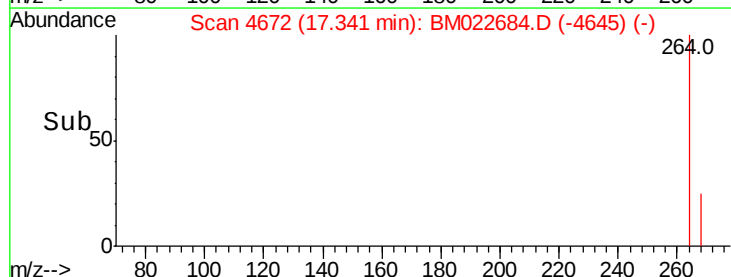
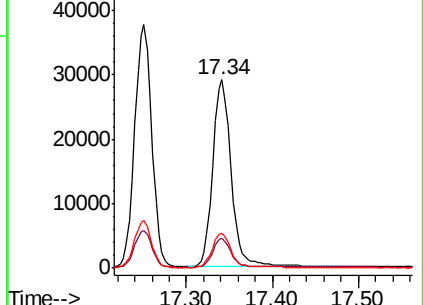
176 18.7 14.8 22.2

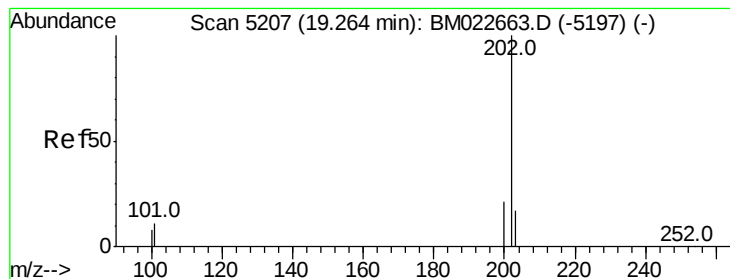


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.463 ng/ul

RT: 19.26 min Scan# 5206

Delta R.T. -0.01 min

Lab File: BM022684.D

Acq: 16 Sep 2019 10:10

Instrument :

BNA_M

ClientSampleId :

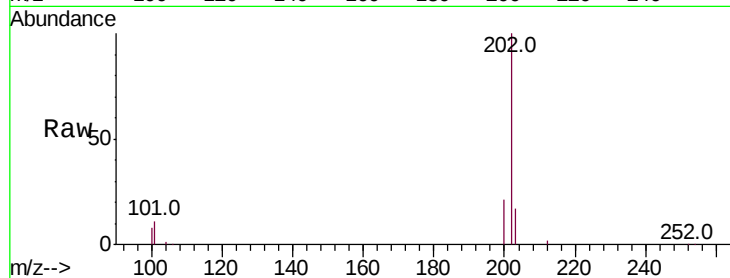
Tot Ion:202 Resp: 59478

Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.5

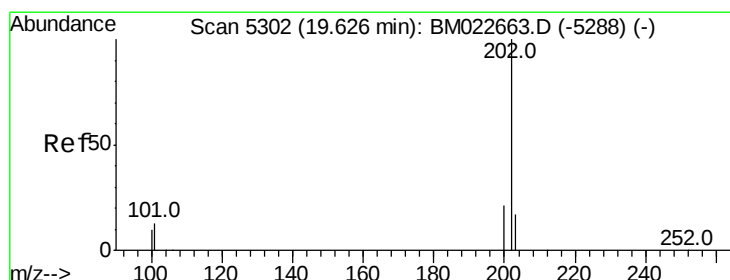
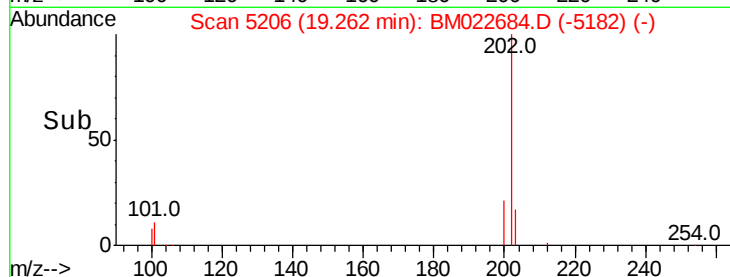
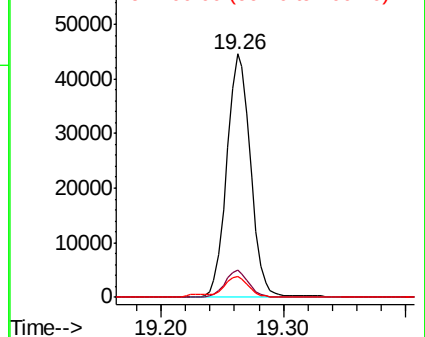
100 8.4 0.0 28.0



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



#17

Pyrene

Concen: 0.407 ng/ul

RT: 19.62 min Scan# 5301

Delta R.T. -0.01 min

Lab File: BM022684.D

Acq: 16 Sep 2019 10:10

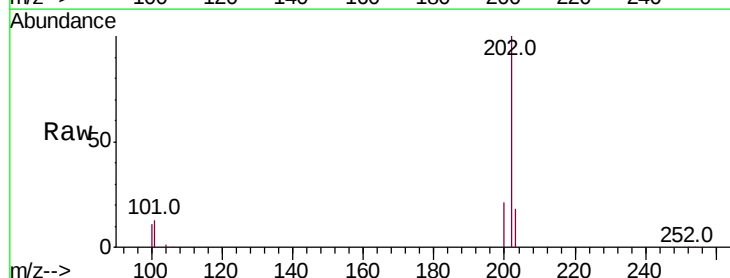
Tgt Ion:202 Resp: 59714

Ion Ratio Lower Upper

202 100

101 13.1 10.0 15.0

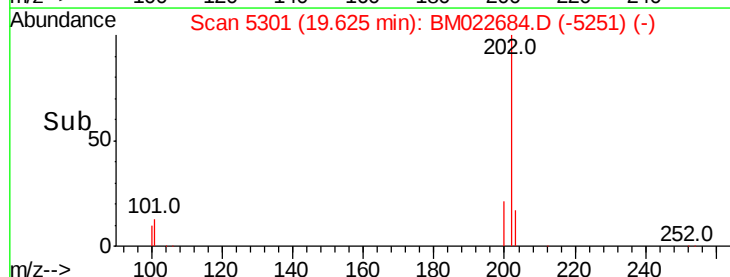
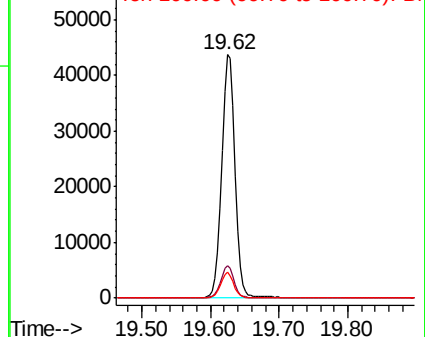
100 10.6 8.1 12.1

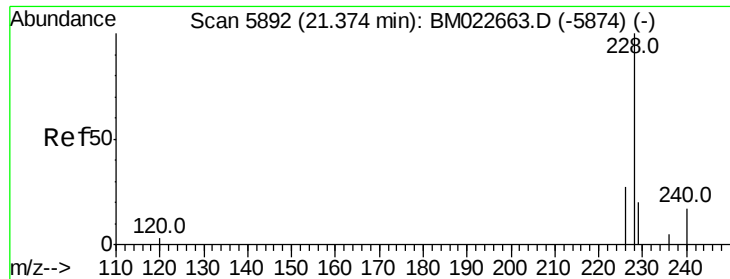


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.410 ng/ul

RT: 21.37 min Scan# 5890

Delta R.T. -0.00 min

Lab File: BM022684.D

Acq: 16 Sep 2019 10:10

Instrument :

BNA_M

ClientSampleId :

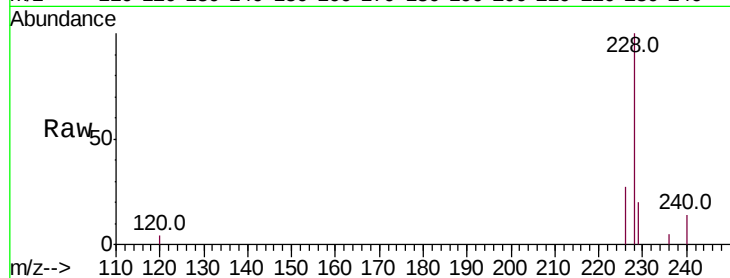
Tot Ion:228 Resp: 50748

Ion Ratio Lower Upper

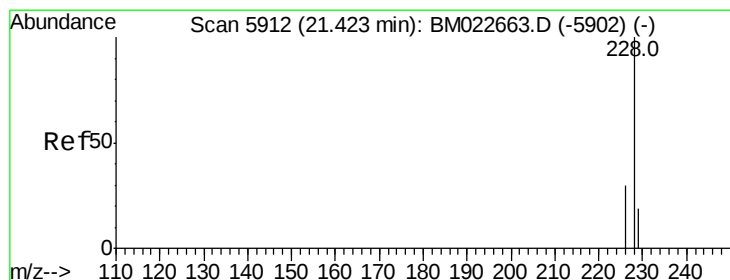
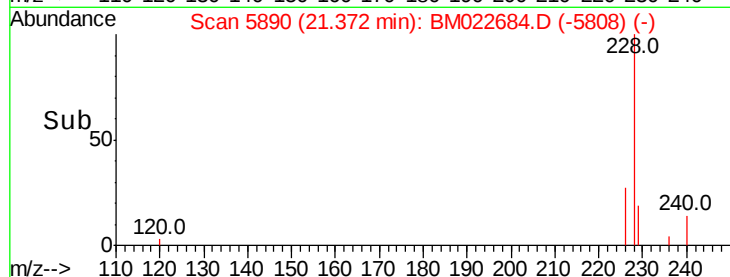
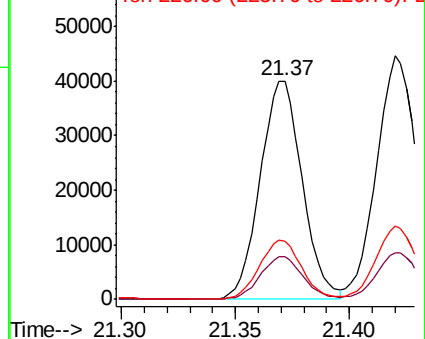
228 100

229 19.6 15.6 23.4

226 26.7 22.0 33.0



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: 0.434 ng/ul

RT: 21.42 min Scan# 5910

Delta R.T. -0.01 min

Lab File: BM022684.D

Acq: 16 Sep 2019 10:10

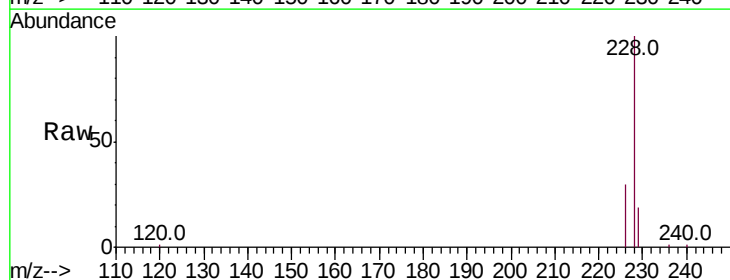
Tgt Ion:228 Resp: 56545

Ion Ratio Lower Upper

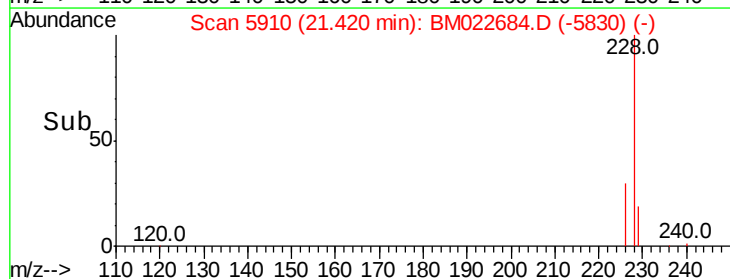
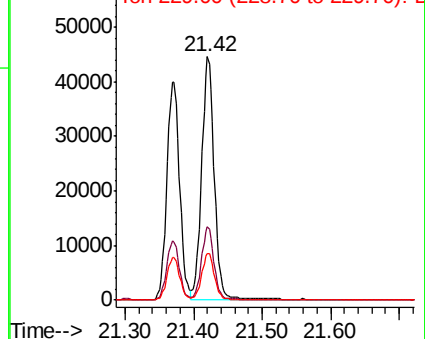
228 100

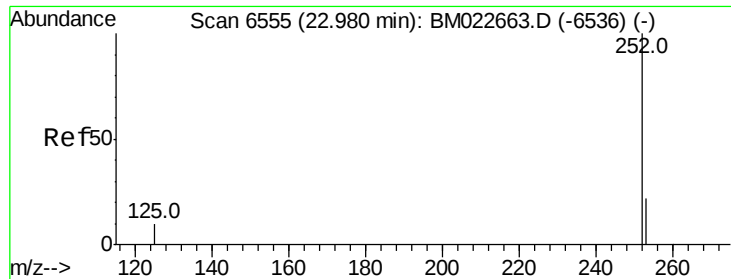
226 30.0 23.8 35.8

229 19.4 15.5 23.3



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: 0.445 ng/ul

RT: 22.98 min Scan# 6553

Delta R.T. -0.01 min

Lab File: BM022684.D

Acq: 16 Sep 2019 10:10

Instrument :

BNA_M

ClientSampleId :

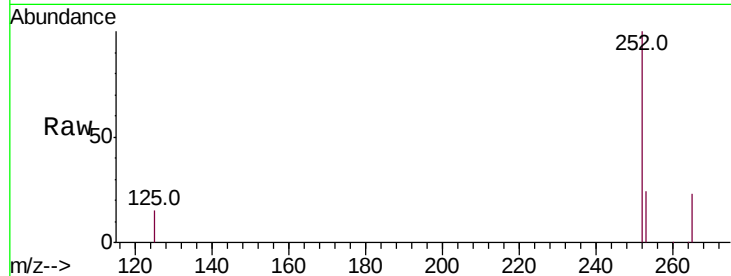
Tot Ion:252 Resp: 51583

Ion Ratio Lower Upper

252 100

253 24.4 0.0 48.4

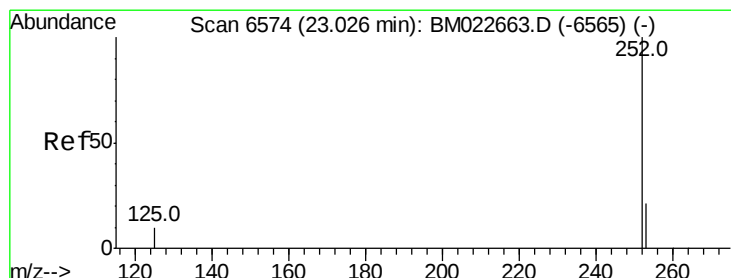
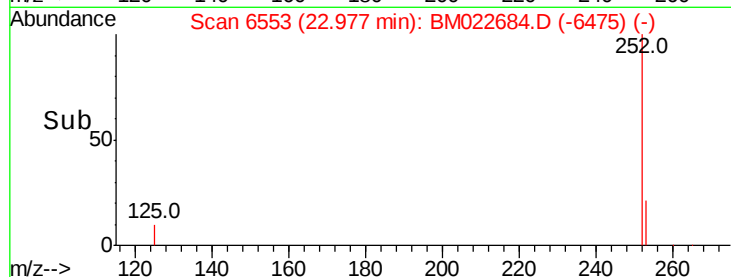
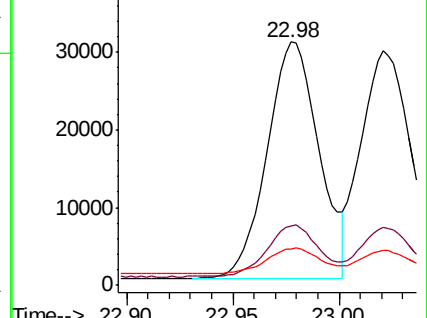
125 15.1 0.0 31.2



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: 0.423 ng/ul

RT: 23.02 min Scan# 6571

Delta R.T. -0.01 min

Lab File: BM022684.D

Acq: 16 Sep 2019 10:10

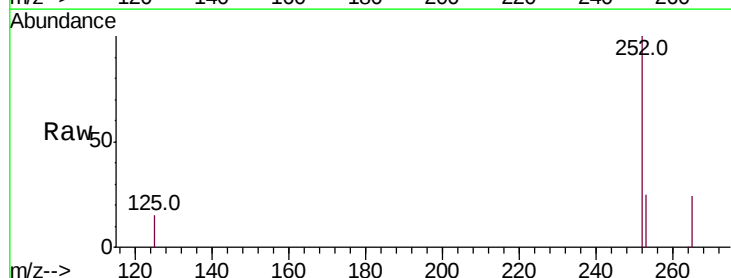
Tgt Ion:252 Resp: 50037

Ion Ratio Lower Upper

252 100

253 24.7 19.5 29.3

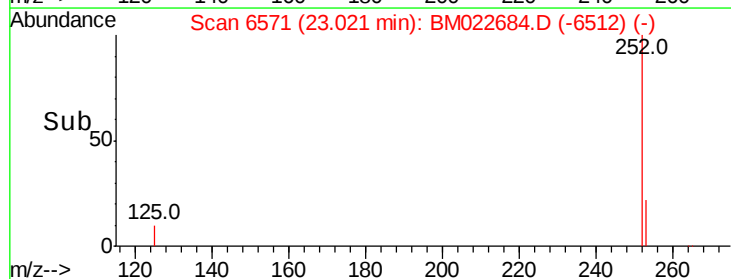
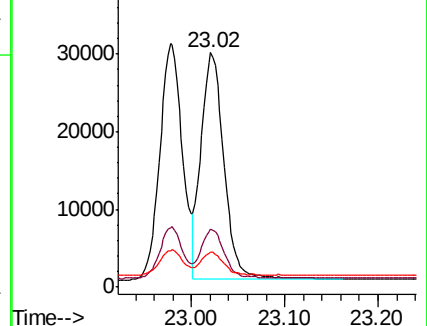
125 14.7 11.2 16.8

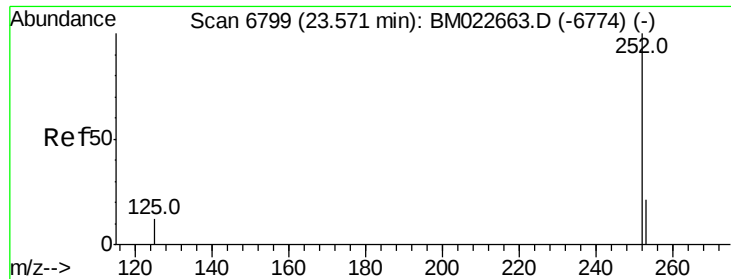


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.421 ng/ul

RT: 23.56 min Scan# 6795

Delta R.T. -0.01 min

Lab File: BM022684.D

Acq: 16 Sep 2019 10:10

Instrument :

BNA_M

ClientSampleId :

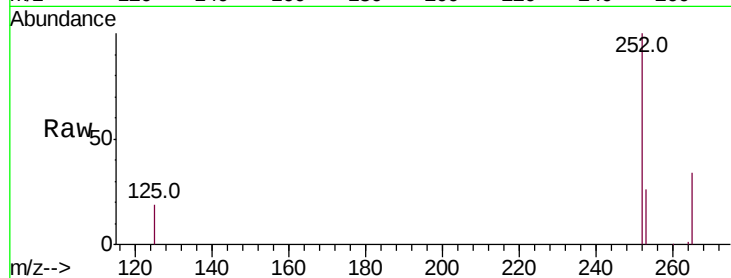
Tot Ion:252 Resp: 42688

Ion Ratio Lower Upper

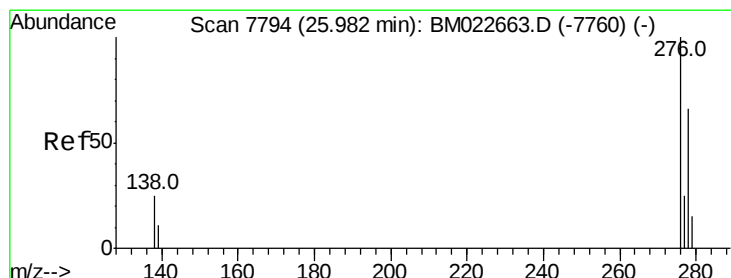
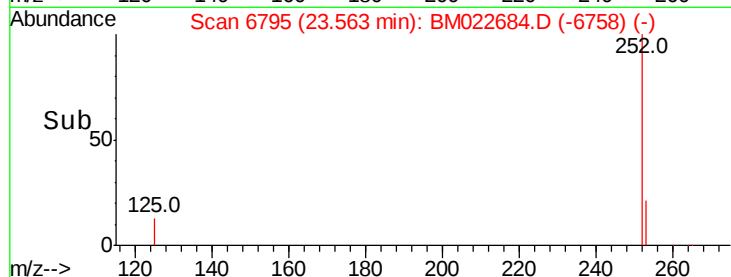
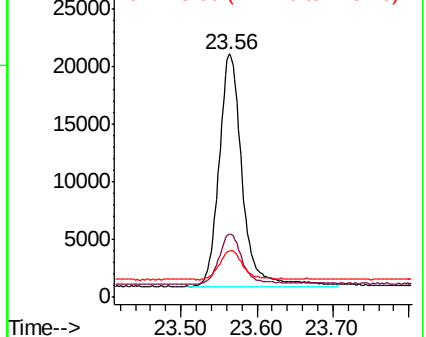
252 100

253 26.0 20.2 30.2

125 19.1 15.7 23.5



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: 0.390 ng/ul

RT: 25.98 min Scan# 7792

Delta R.T. -0.01 min

Lab File: BM022684.D

Acq: 16 Sep 2019 10:10

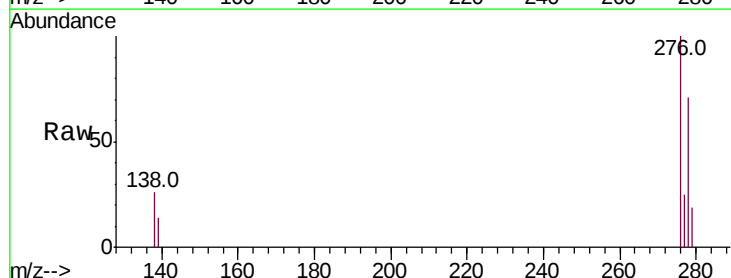
Tgt Ion:276 Resp: 48199

Ion Ratio Lower Upper

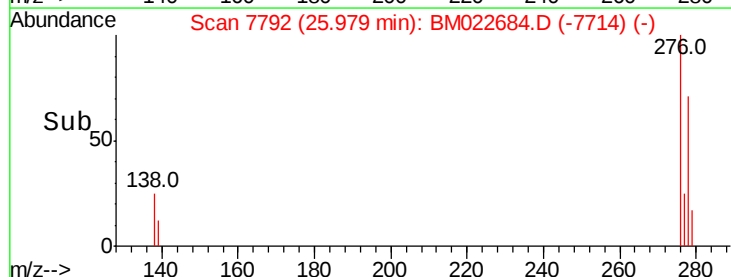
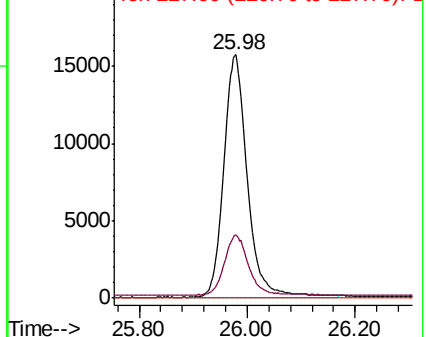
276 100

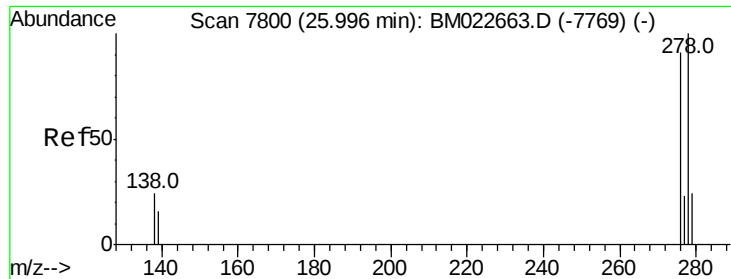
138 25.0 21.1 31.7

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

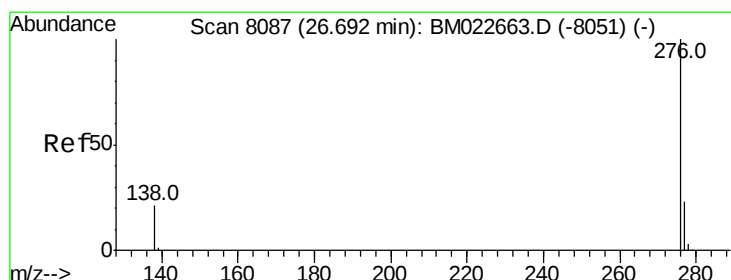
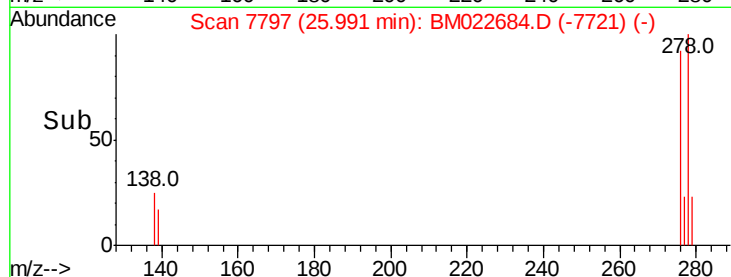
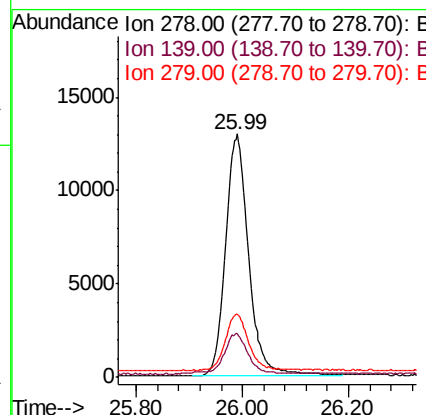
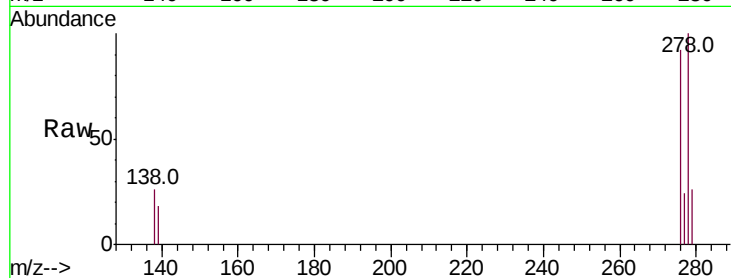




#25
Dibenzo(a,h)anthracene
Concen: 0.390 ng/ul
RT: 25.99 min Scan# 7797
Delta R.T. -0.01 min
Lab File: BM022684.D
Acq: 16 Sep 2019 10:10

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 39015
Ion Ratio Lower Upper
278 100
139 18.2 13.8 20.6
279 26.1 21.3 31.9



#26
Benzo(g,h,i)perylene
Concen: 0.424 ng/ul
RT: 26.68 min Scan# 8082
Delta R.T. -0.01 min
Lab File: BM022684.D
Acq: 16 Sep 2019 10:10

Tgt Ion:276 Resp: 41765
Ion Ratio Lower Upper
276 100
138 23.3 18.2 27.4
277 24.5 19.2 28.8

