

Data File : BM021834.D
Acq On : 05 Aug 2019 05:21
Operator : HP/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.430

Quant Time: Aug 05 08:24:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 08:19:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	744	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	3328	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	1923	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	4449	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	4336	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	5115	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	2311	0.42	ng/ul	-0.01
14) Fluoranthene-d10	19.08	212	5885	0.39	ng/ul	0.00

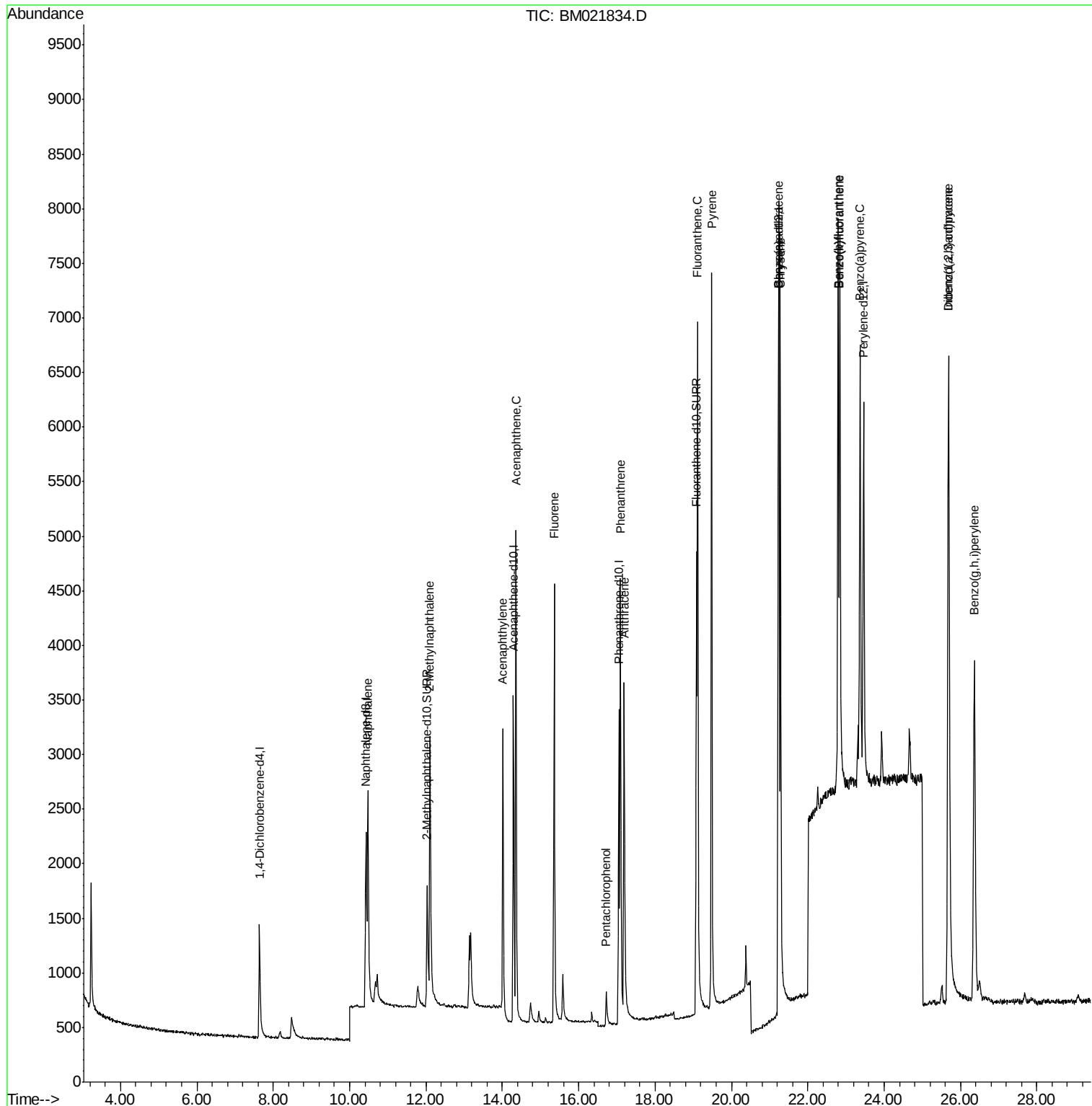
Target Compounds				Qvalue		
3) Naphthalene	10.48	128	3788	0.403	ng/ul	98
5) 2-Methylnaphthalene	12.10	142	2614	0.417	ng/ul	100
7) Acenaphthylene	14.01	152	3695	0.412	ng/ul	98
8) Acenaphthene	14.35	153	3035	0.414	ng/ul	98
9) Fluorene	15.36	166	3299	0.405	ng/ul	97
11) Pentachlorophenol	16.72	266	374	0.456	ng/ul	86
12) Phenanthrene	17.09	178	5231	0.404	ng/ul	99
13) Anthracene	17.19	178	4671	0.423	ng/ul	98
15) Fluoranthene	19.11	202	6722	0.388	ng/ul	99
17) Pyrene	19.48	202	7169	0.402	ng/ul	98
18) Benzo(a)anthracene	21.23	228	6548	0.422	ng/ul	99
19) Chrysene	21.28	228	7824	0.392	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	7072	0.410	ng/ul	96
22) Benzo(k)fluoranthene	22.84	252	7761	0.398	ng/ul	96
23) Benzo(a)pyrene	23.37	252	7158	0.408	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.68	276	8692	0.415	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.69	278	6919	0.409	ng/ul	95
26) Benzo(g,h,i)perylene	26.36	276	7581	0.402	ng/ul	99

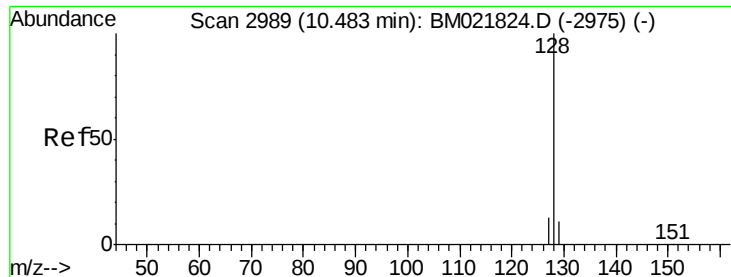
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.403 ng/ul

RT: 10.48 min Scan# 2987

Delta R.T. -0.01 min

Lab File: BM021834.D

Acq: 05 Aug 2019 05:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.430

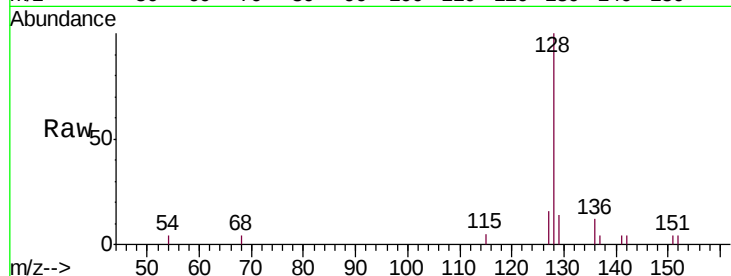
Tgt Ion:128 Resp: 3788

Ion Ratio Lower Upper

128 100

129 14.2 12.3 18.5

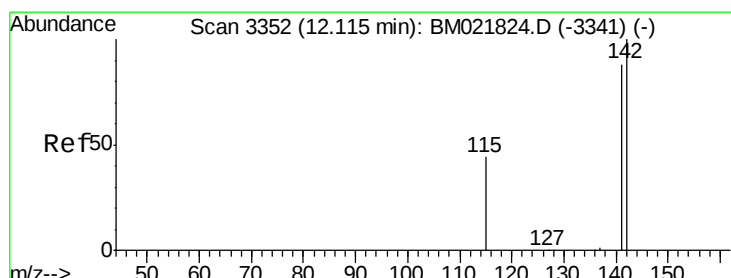
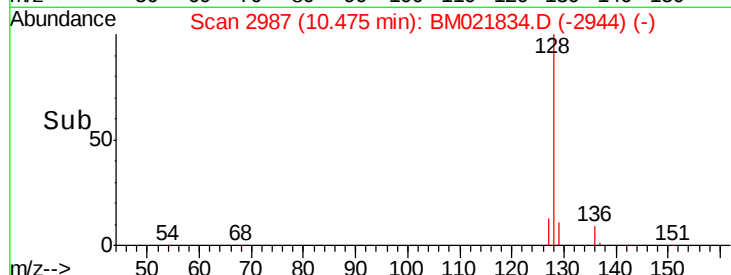
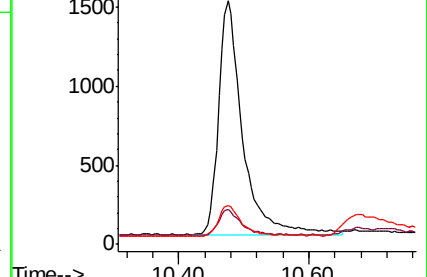
127 16.0 13.0 19.6



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: 0.417 ng/ul

RT: 12.10 min Scan# 3349

Delta R.T. -0.01 min

Lab File: BM021834.D

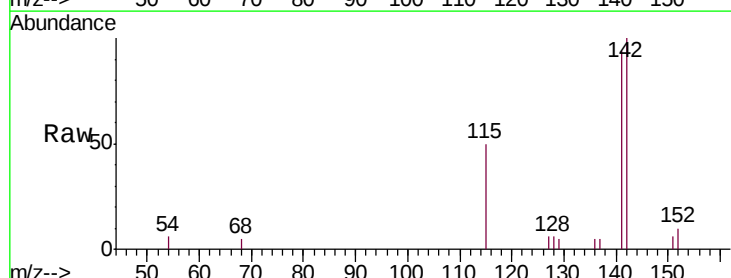
Acq: 05 Aug 2019 05:21

Tgt Ion:142 Resp: 2614

Ion Ratio Lower Upper

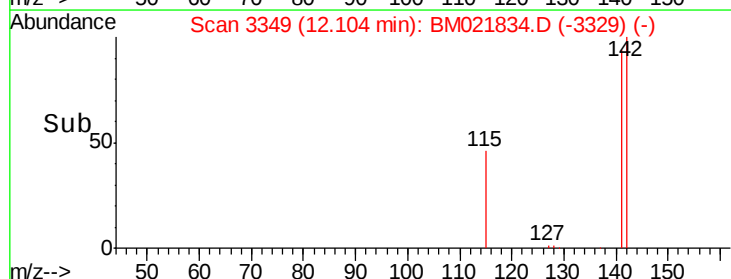
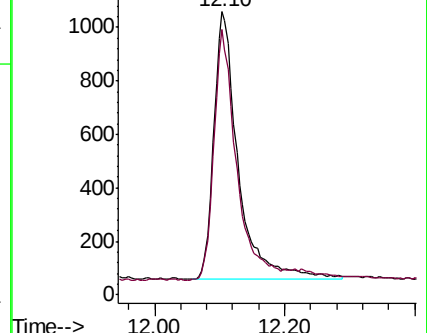
142 100

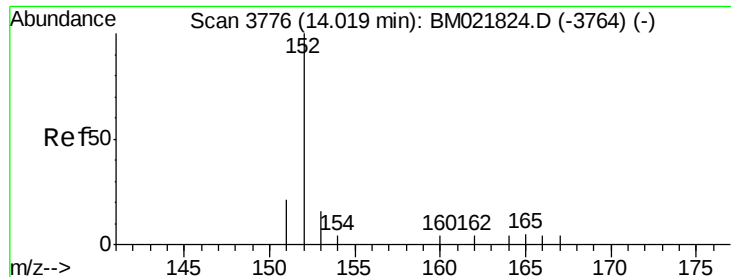
141 92.6 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.412 ng/ul

RT: 14.01 min Scan# 3774

Delta R.T. -0.01 min

Lab File: BM021834.D

Acq: 05 Aug 2019 05:21

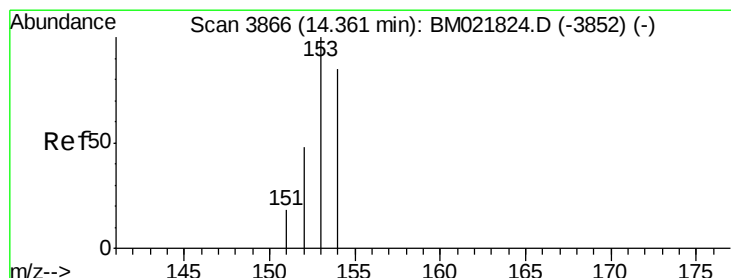
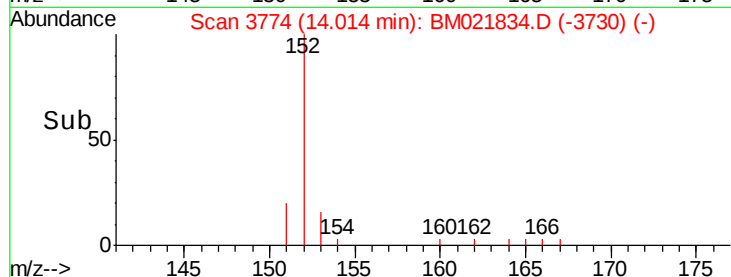
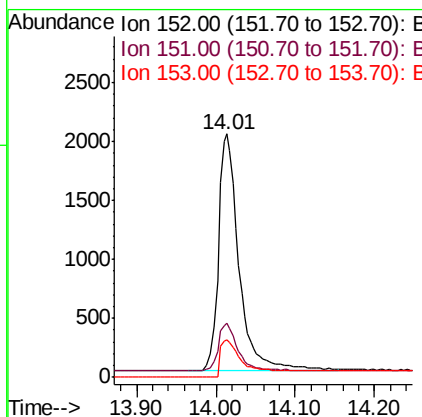
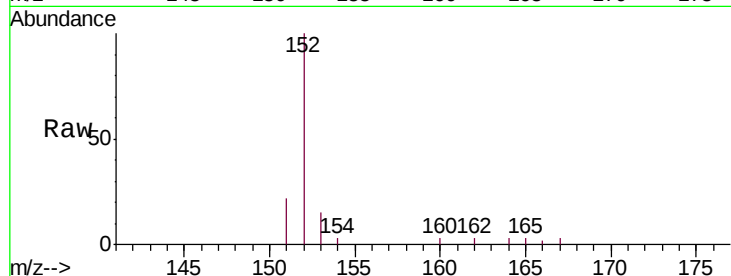
Instrument :

BNA_M

ClientSampleId :

SSTD0.430

Tgt Ion:	152	Resp:	3695
Ion	Ratio	Lower	Upper
152	100		
151	22.3	18.3	27.5
153	15.2	12.8	19.2



#8

Acenaphthene

Concen: 0.414 ng/ul

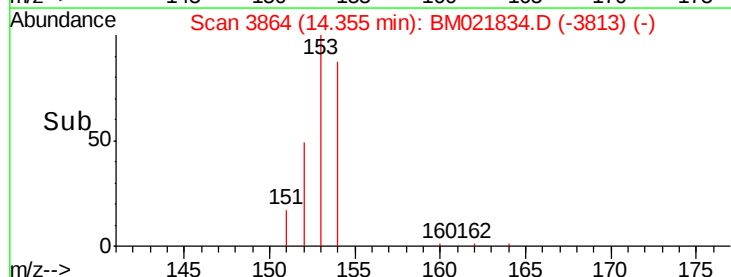
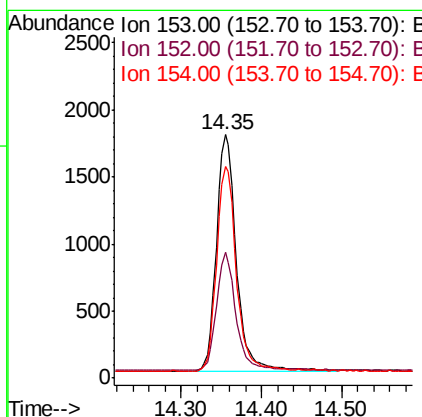
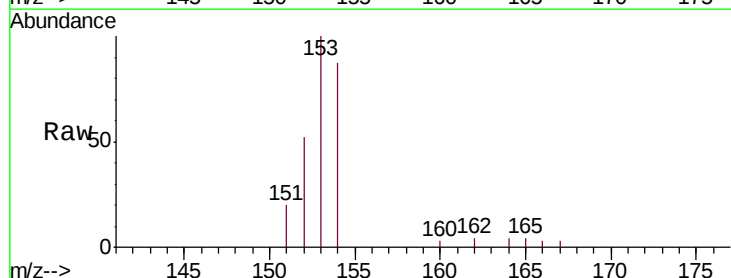
RT: 14.35 min Scan# 3864

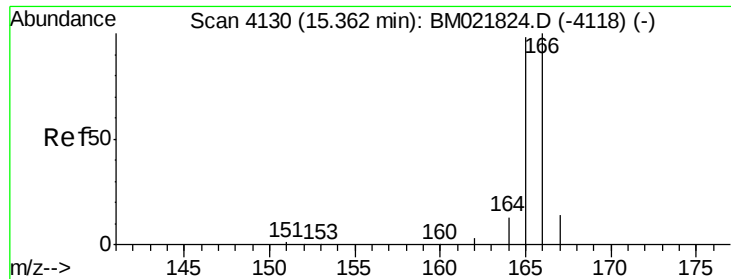
Delta R.T. -0.01 min

Lab File: BM021834.D

Acq: 05 Aug 2019 05:21

Tgt Ion:	153	Resp:	3035
Ion	Ratio	Lower	Upper
153	100		
152	51.5	41.3	61.9
154	86.8	72.3	108.5





#9

Fluorene

Concen: 0.405 ng/ul

RT: 15.36 min Scan# 4128

Delta R.T. -0.01 min

Lab File: BM021834.D

Acq: 05 Aug 2019 05:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.430

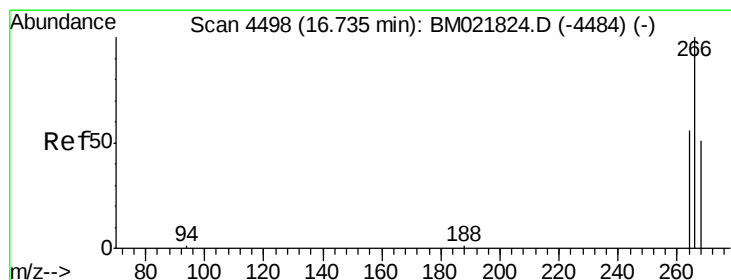
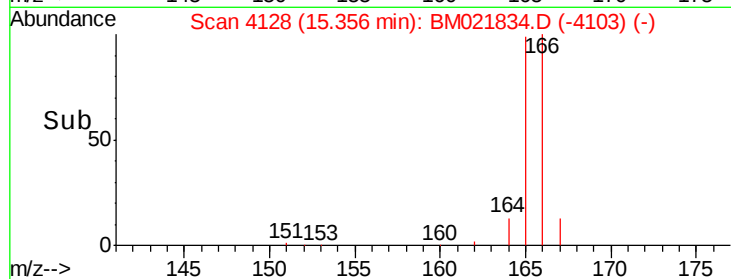
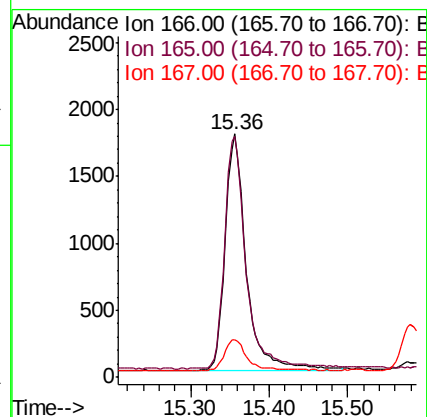
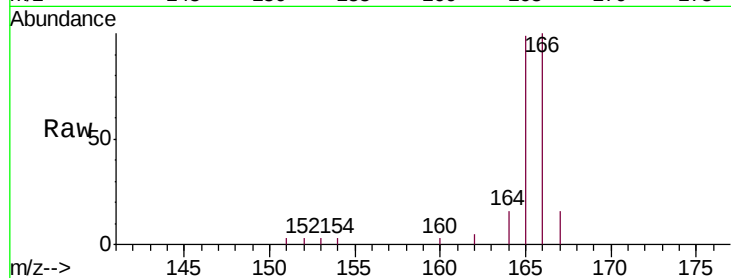
Tgt Ion:166 Resp: 3299

Ion Ratio Lower Upper

166 100

165 99.2 81.4 122.0

167 15.6 13.7 20.5



#11

Pentachlorophenol

Concen: 0.456 ng/ul

RT: 16.72 min Scan# 4492

Delta R.T. -0.02 min

Lab File: BM021834.D

Acq: 05 Aug 2019 05:21

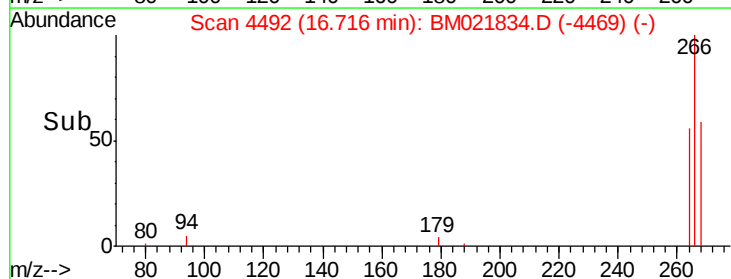
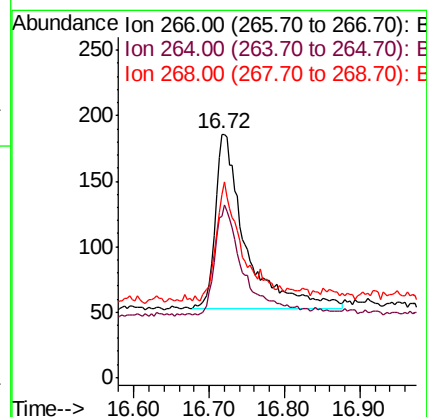
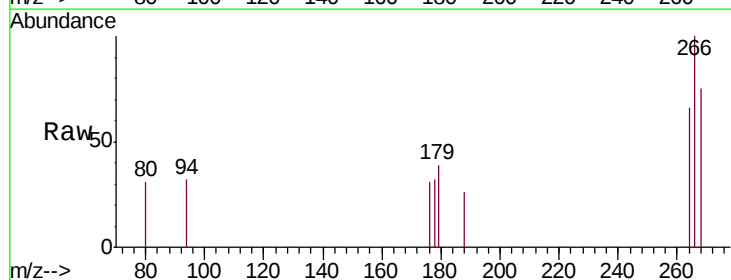
Tgt Ion:266 Resp: 374

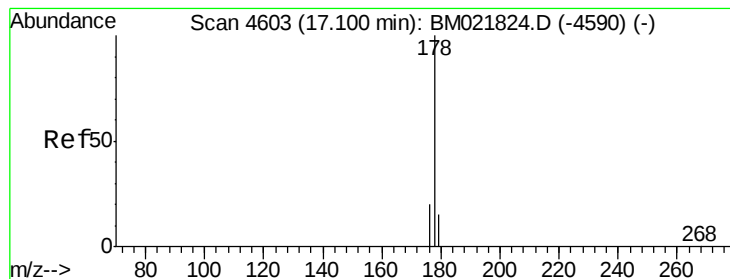
Ion Ratio Lower Upper

266 100

264 59.4 54.2 81.2

268 57.8 57.6 86.4





#12

Phenanthrene

Concen: 0.404 ng/ul

RT: 17.09 min Scan# 4601

Delta R.T. -0.01 min

Lab File: BM021834.D

Acq: 05 Aug 2019 05:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.430

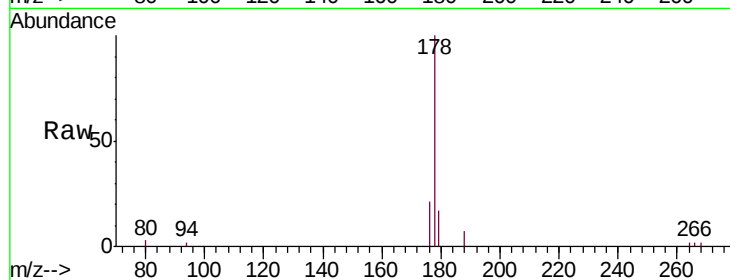
Tgt Ion:178 Resp: 5231

Ion Ratio Lower Upper

178 100

179 17.1 14.2 21.2

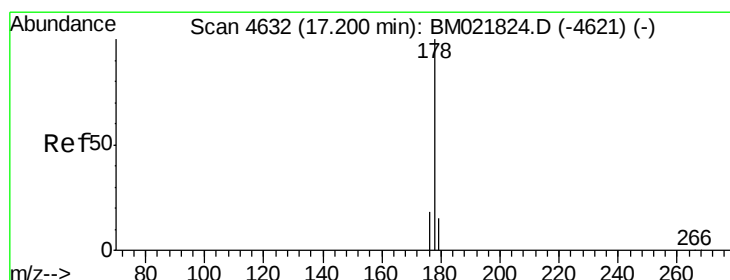
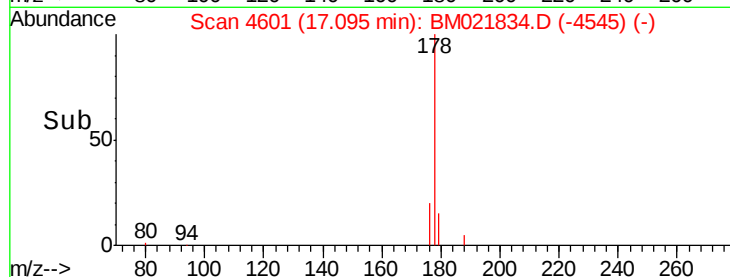
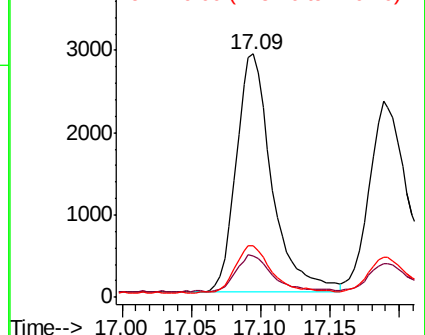
176 21.1 16.8 25.2



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: 0.423 ng/ul

RT: 17.19 min Scan# 4628

Delta R.T. -0.01 min

Lab File: BM021834.D

Acq: 05 Aug 2019 05:21

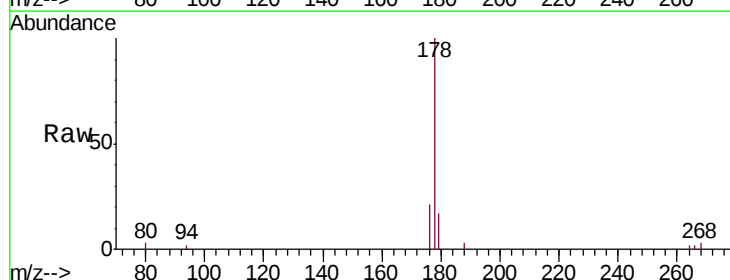
Tgt Ion:178 Resp: 4671

Ion Ratio Lower Upper

178 100

179 17.4 15.5 23.3

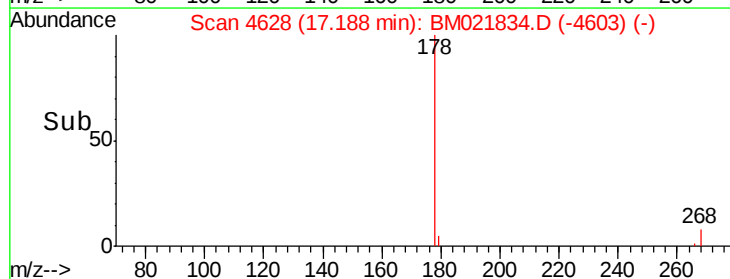
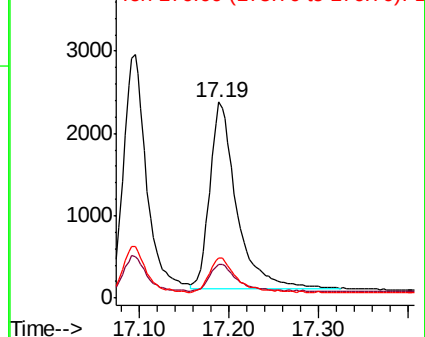
176 20.5 16.6 25.0

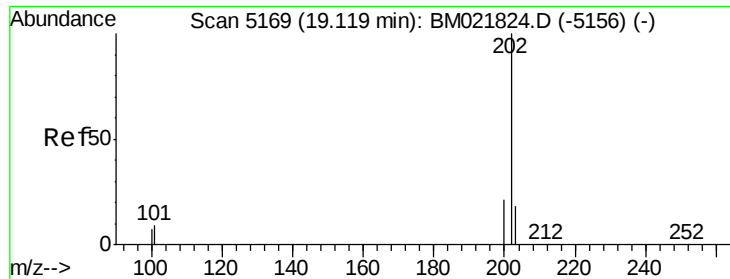


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

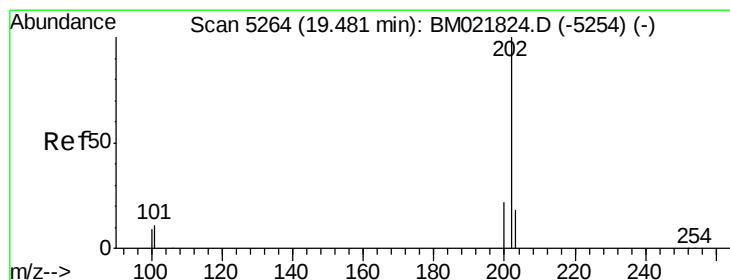
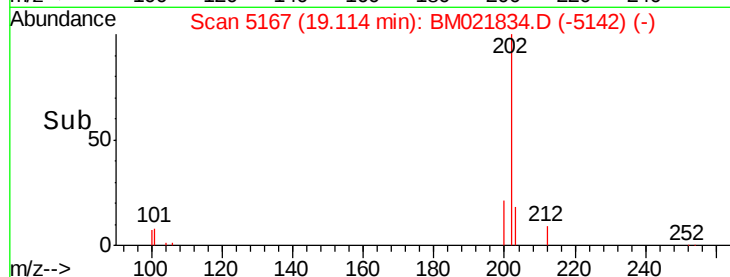
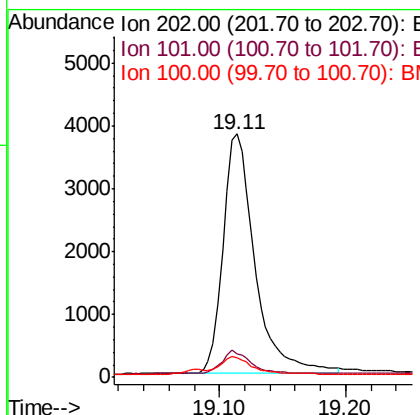
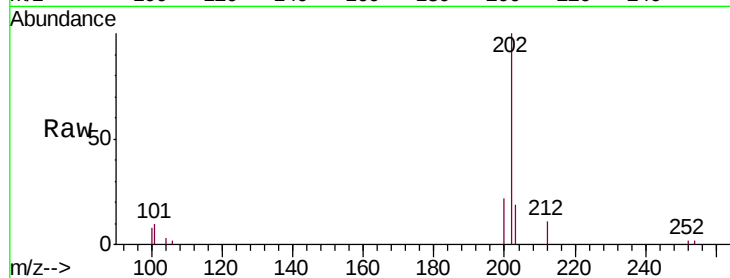




#15
Fluoranthene
 Concen: 0.388 ng/ul
 RT: 19.11 min Scan# 5167
 Delta R.T. -0.01 min
 Lab File: BM021834.D
 Acq: 05 Aug 2019 05:21

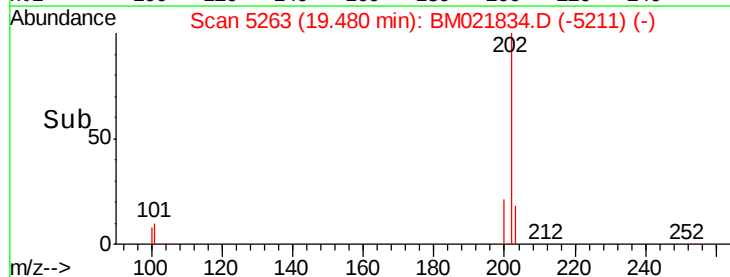
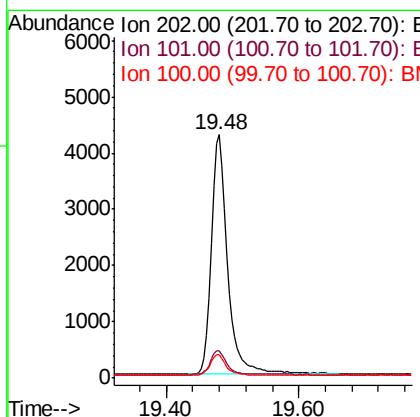
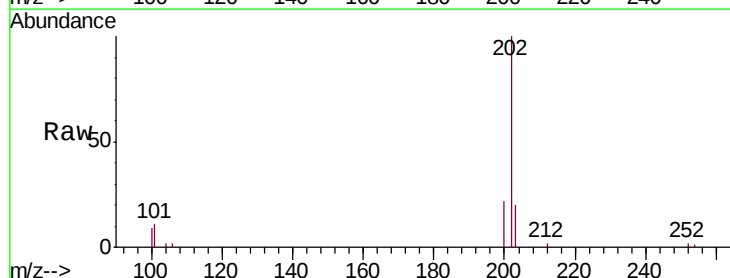
Instrument :
 BNA_M
 ClientSampleId :
 SST0.430

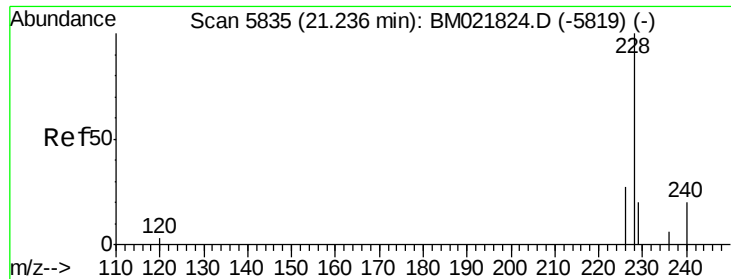
Tgt Ion:202 Resp: 6722
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 30.2
 100 8.1 0.0 28.1



#17
Pyrene
 Concen: 0.402 ng/ul
 RT: 19.48 min Scan# 5263
 Delta R.T. -0.00 min
 Lab File: BM021834.D
 Acq: 05 Aug 2019 05:21

Tgt Ion:202 Resp: 7169
 Ion Ratio Lower Upper
 202 100
 101 11.4 8.3 12.5
 100 9.4 7.2 10.8





#18

Benzo(a)anthracene

Concen: 0.422 ng/ul

RT: 21.23 min Scan# 5831

Delta R.T. -0.01 min

Lab File: BM021834.D

Acq: 05 Aug 2019 05:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.430

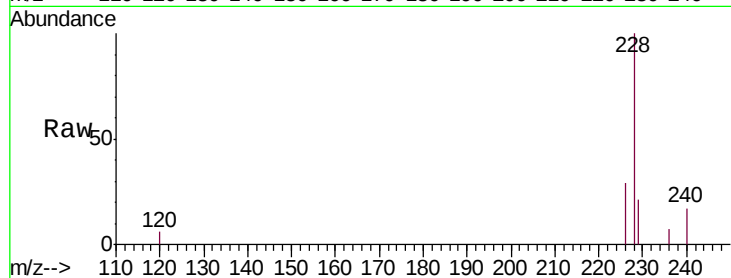
Tgt Ion:228 Resp: 6548

Ion Ratio Lower Upper

228 100

229 21.1 17.2 25.8

226 28.7 22.6 34.0

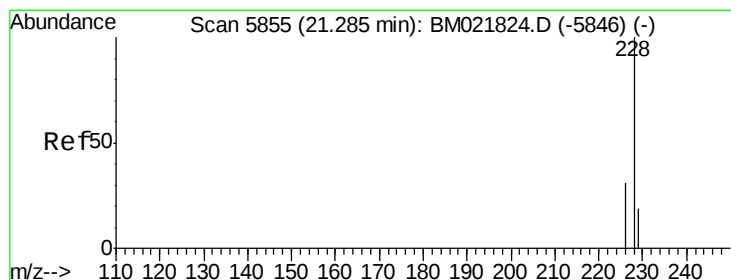
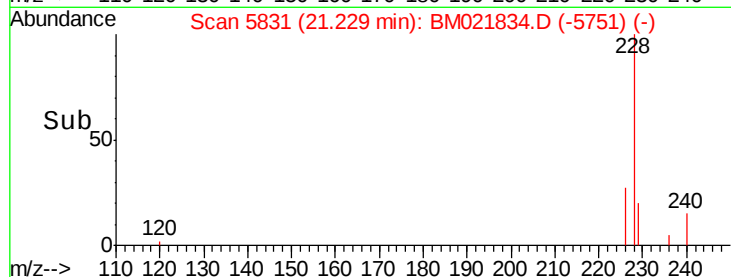
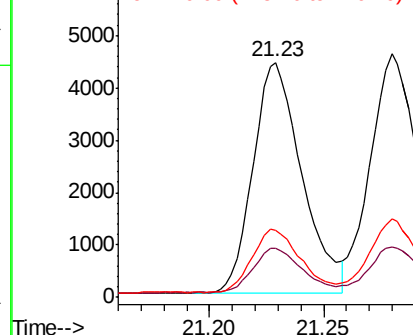


Abundance

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: 0.392 ng/ul

RT: 21.28 min Scan# 5852

Delta R.T. -0.01 min

Lab File: BM021834.D

Acq: 05 Aug 2019 05:21

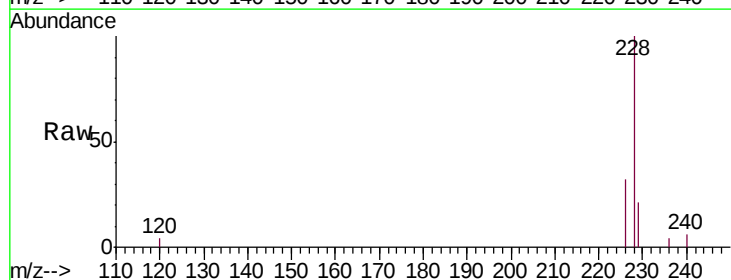
Tgt Ion:228 Resp: 7824

Ion Ratio Lower Upper

228 100

226 32.0 24.9 37.3

229 20.7 16.6 25.0

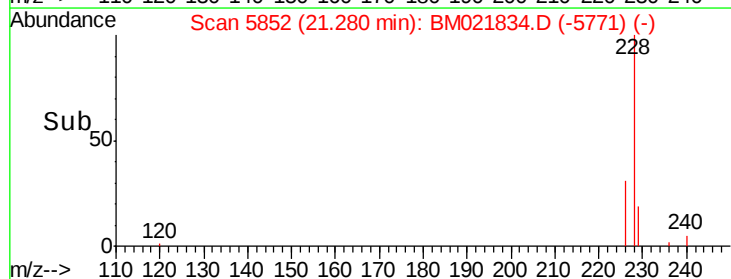
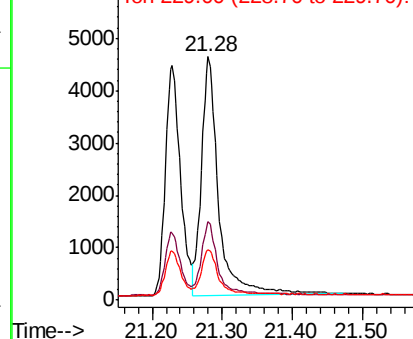


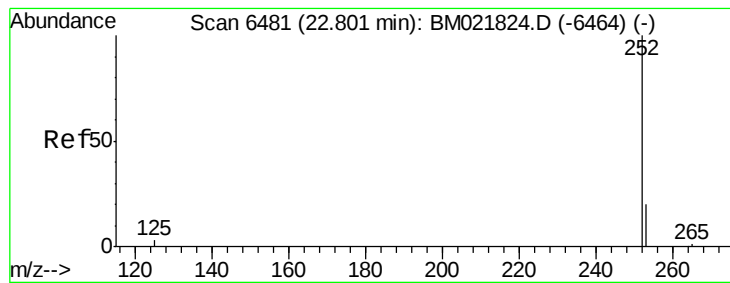
Abundance

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: 0.410 ng/u1

RT: 22.79 min Scan# 6477

Delta R.T. -0.01 min

Lab File: BM021834.D

Acq: 05 Aug 2019 05:21

Instrument :

BNA_M

ClientSampleId :

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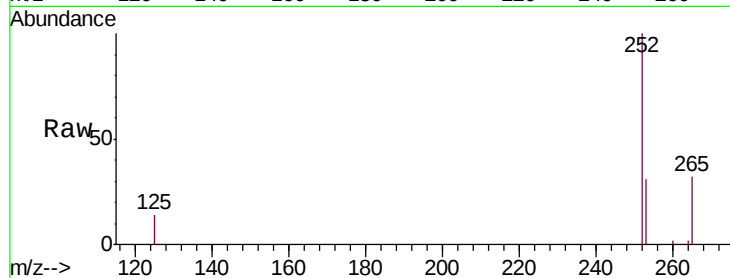
Tgt Ion:252 Resp: 7072

Ion Ratio Lower Upper

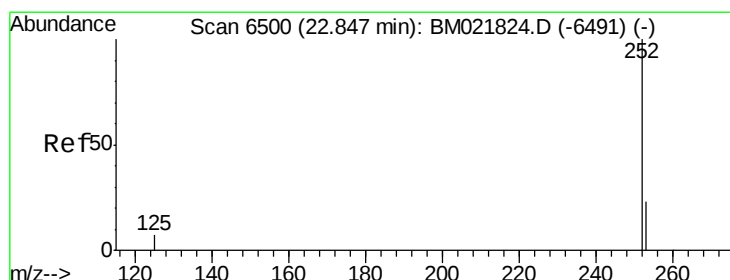
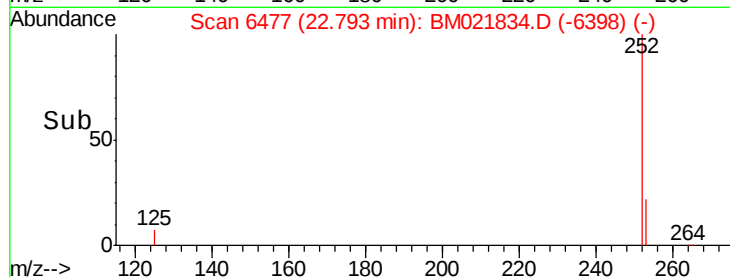
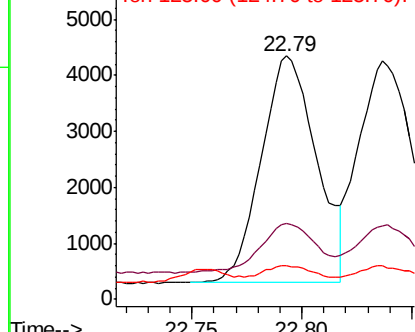
252 100

253 31.4 0.0 67.4

125 13.8 0.0 31.0



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: 0.398 ng/u1

RT: 22.84 min Scan# 6495

Delta R.T. -0.01 min

Lab File: BM021834.D

Acq: 05 Aug 2019 05:21

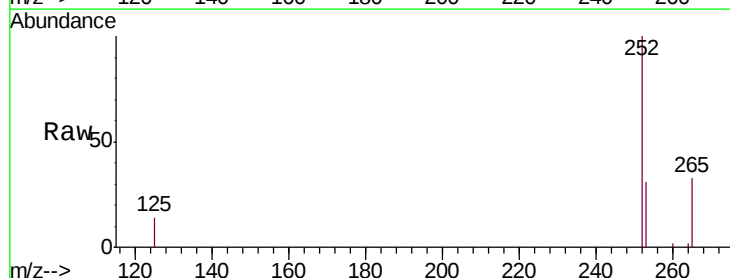
Tgt Ion:252 Resp: 7761

Ion Ratio Lower Upper

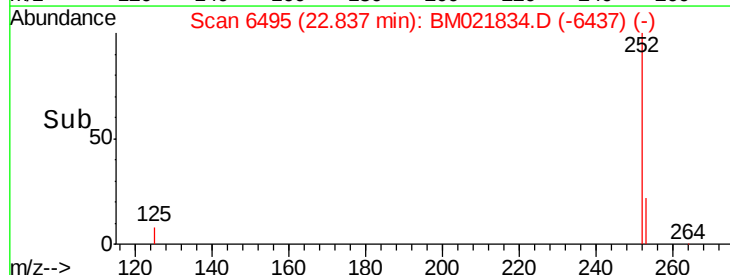
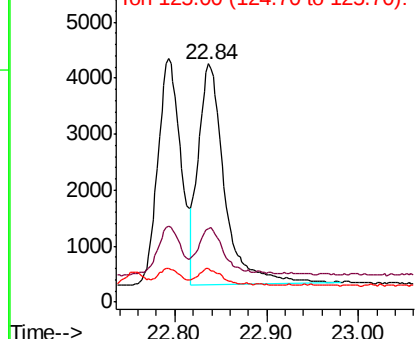
252 100

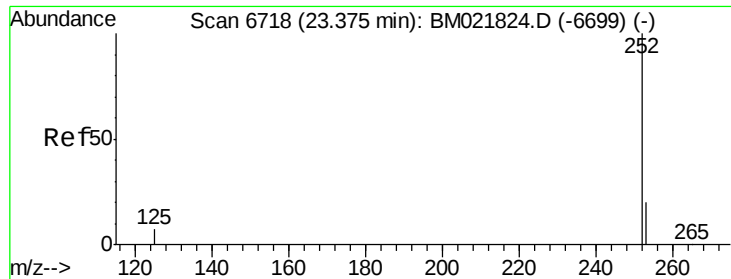
253 31.0 27.0 40.4

125 14.1 12.2 18.2



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





#23

Benzo(a)pyrene

Concen: 0.408 ng/ul

RT: 23.37 min Scan# 6714

Delta R.T. -0.01 min

Lab File: BM021834.D

Acq: 05 Aug 2019 05:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.430

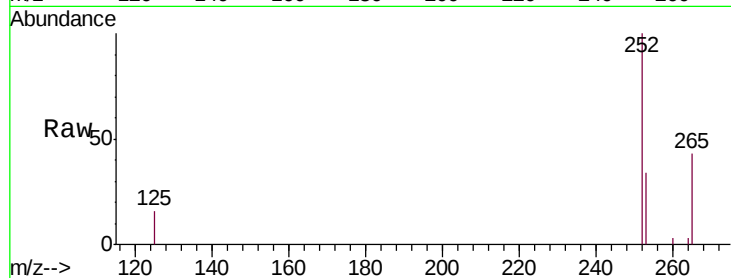
Tgt Ion:252 Resp: 7158

Ion Ratio Lower Upper

252 100

253 34.1 31.7 47.5

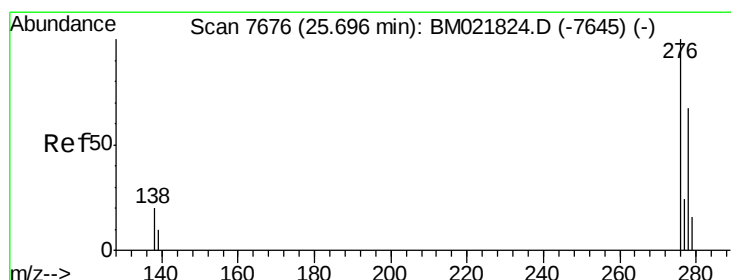
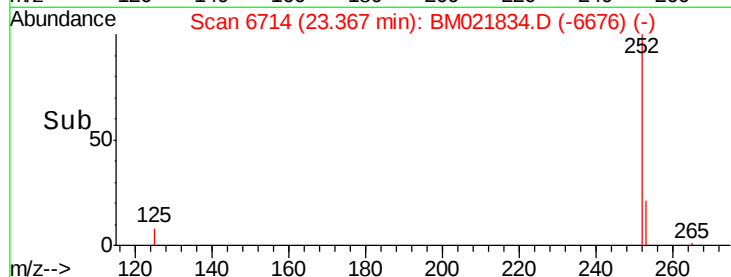
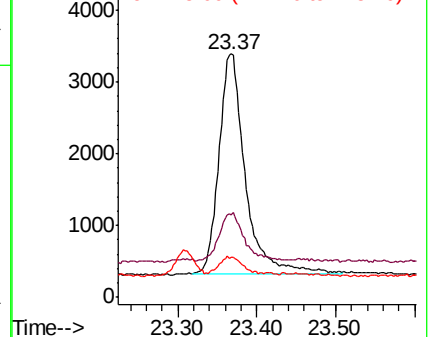
125 16.5 14.6 21.8



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.415 ng/ul

RT: 25.68 min Scan# 7669

Delta R.T. -0.01 min

Lab File: BM021834.D

Acq: 05 Aug 2019 05:21

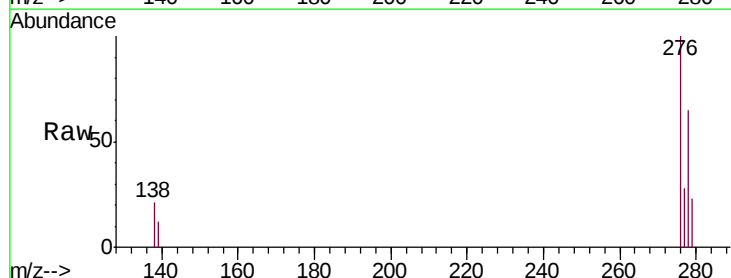
Tgt Ion:276 Resp: 8692

Ion Ratio Lower Upper

276 100

138 17.4 15.1 22.7

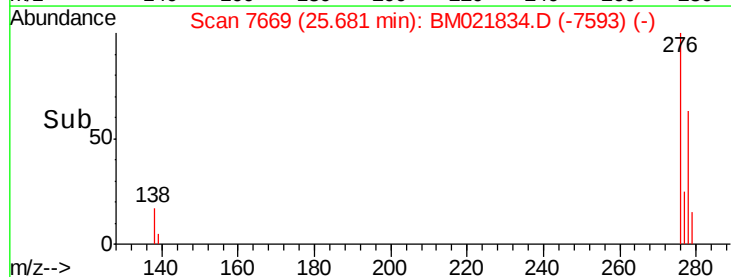
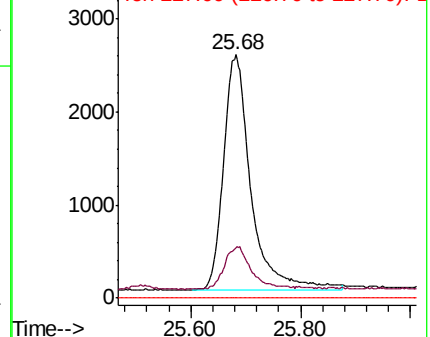
227 0.0 0.0 0.0

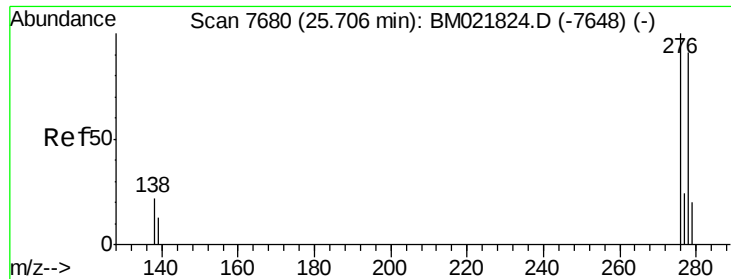


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

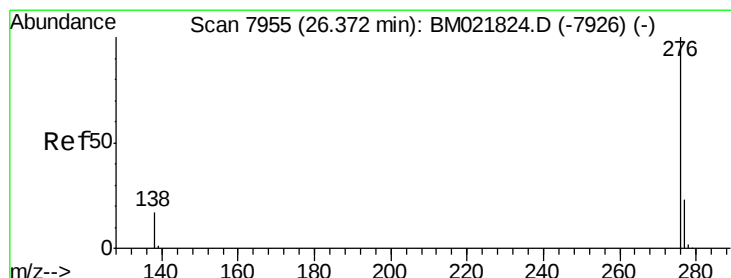
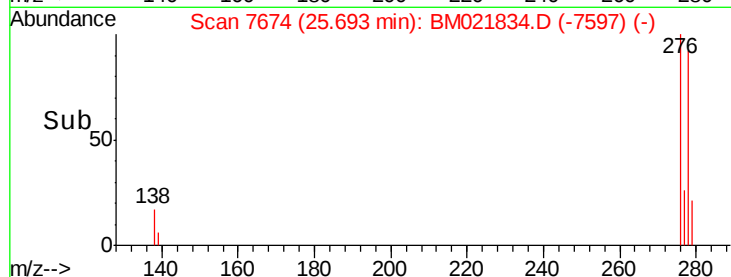
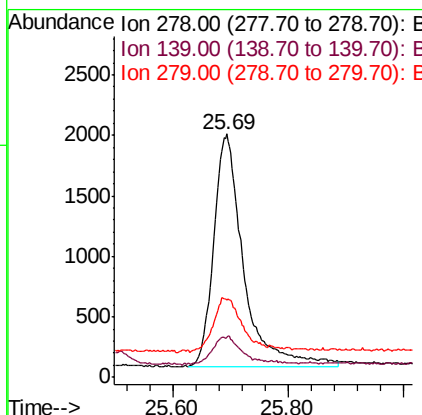
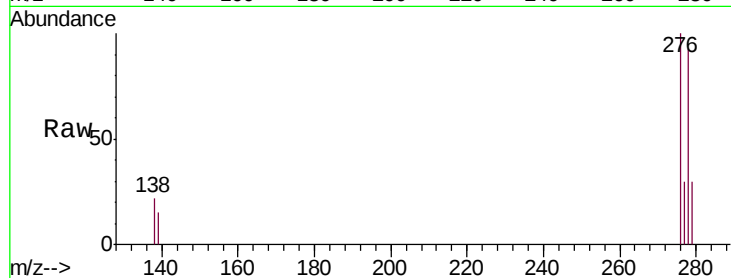




#25
Dibenzo(a,h)anthracene
Concen: 0.409 ng/u1
RT: 25.69 min Scan# 7674
Delta R.T. -0.01 min
Lab File: BM021834.D
Acq: 05 Aug 2019 05:21

Instrument :
BNA_M
ClientSampleId :
SSTD0.430

Tgt Ion: 278 Resp: 6919
Ion Ratio Lower Upper
278 100
139 16.5 14.2 21.2
279 31.8 28.3 42.5



#26
Benzo(g,h,i)perylene
Concen: 0.402 ng/u1
RT: 26.36 min Scan# 7950
Delta R.T. -0.01 min
Lab File: BM021834.D
Acq: 05 Aug 2019 05:21

Tgt Ion: 276 Resp: 7581
Ion Ratio Lower Upper
276 100
138 19.5 15.5 23.3
277 27.4 21.4 32.2

