

Data File : BM021814.D
Acq On : 04 Aug 2019 16:00
Operator : HP/JU
Sample : SSTDC00.4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.428

Quant Time: Aug 05 05:30:42 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 05:26:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	646	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	2813	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	1713	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	4129	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	4080	0.40	ng/ul	0.00
20) Perylene-d12	23.47	264	4829	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	1967	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	5470	0.39	ng/ul	0.00

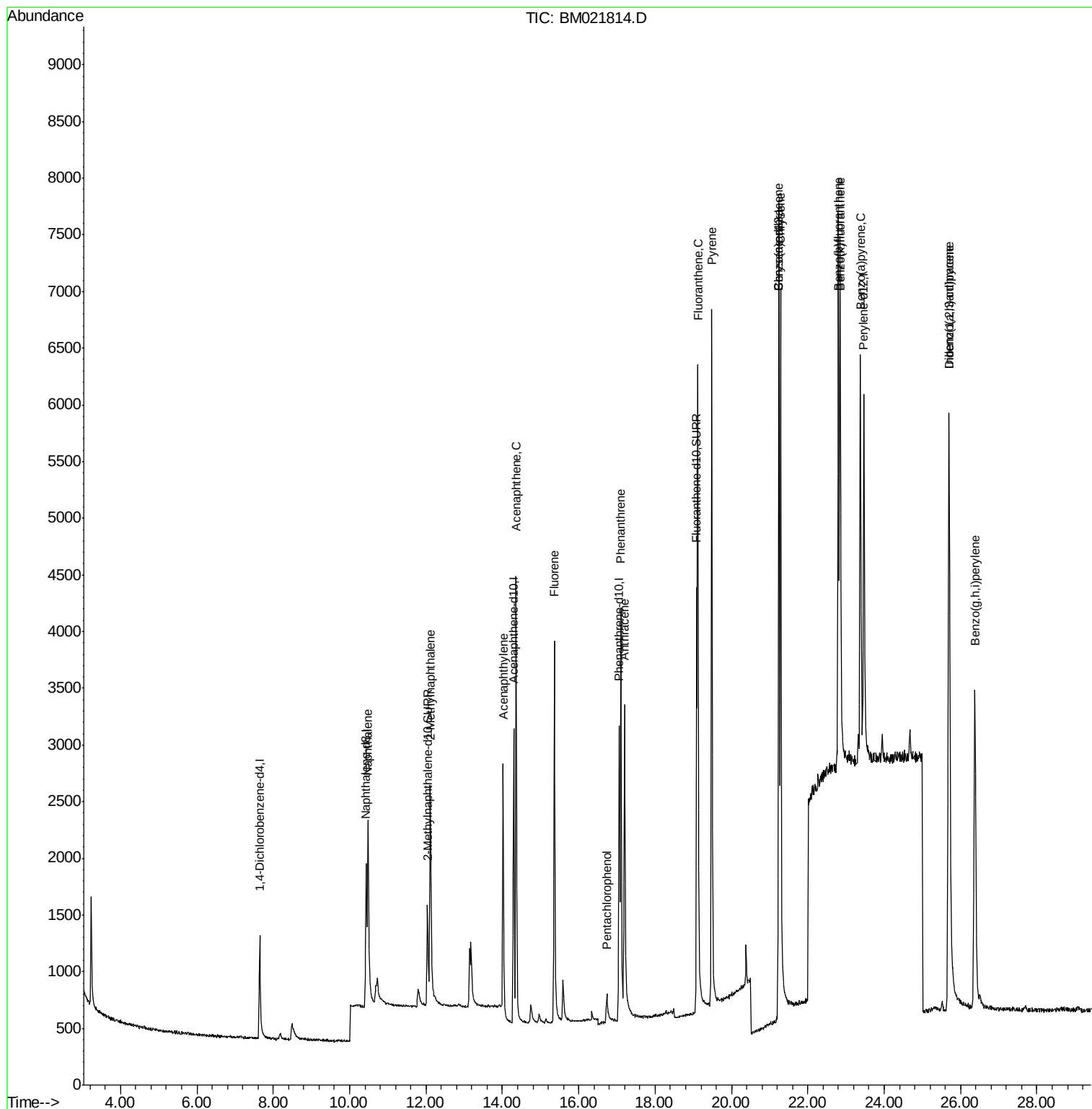
Target Compounds				Qvalue		
3) Naphthalene	10.48	128	3225	0.406	ng/ul	98
5) 2-Methylnaphthalene	12.11	142	2266	0.428	ng/ul	93
7) Acenaphthylene	14.02	152	3329	0.417	ng/ul	98
8) Acenaphthene	14.36	153	2707	0.414	ng/ul	96
9) Fluorene	15.36	166	2962	0.408	ng/ul	98
11) Pentachlorophenol	16.73	266	333	0.437	ng/ul	96
12) Phenanthrene	17.10	178	4788	0.399	ng/ul	99
13) Anthracene	17.20	178	4231	0.413	ng/ul	98
15) Fluoranthene	19.12	202	6301	0.392	ng/ul	100
17) Pyrene	19.48	202	6689	0.399	ng/ul	99
18) Benzo(a)anthracene	21.23	228	6040	0.414	ng/ul	99
19) Chrysene	21.28	228	7363	0.392	ng/ul	99
21) Benzo(b)fluoranthene	22.80	252	6632	0.407	ng/ul	97
22) Benzo(k)fluoranthene	22.85	252	7353	0.399	ng/ul	99
23) Benzo(a)pyrene	23.37	252	6690	0.404	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.69	276	8104	0.410	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.70	278	6492	0.406	ng/ul	98
26) Benzo(g,h,i)perylene	26.37	276	7160	0.402	ng/ul	99

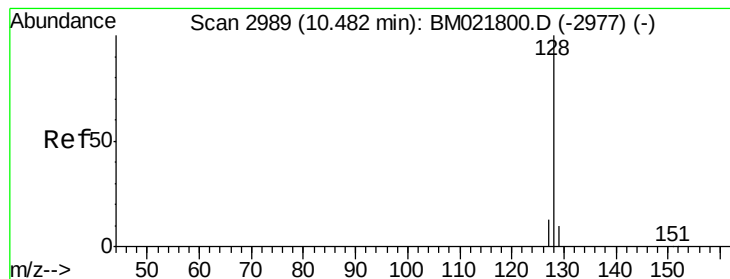
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 05 05:30:42 2019
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#3

Naphthalene

Concen: 0.406 ng/ul

RT: 10.48 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BM021814.D

Acq: 04 Aug 2019 16:00

Instrument :

BNA_M

ClientSampleId :

SSTD0.428

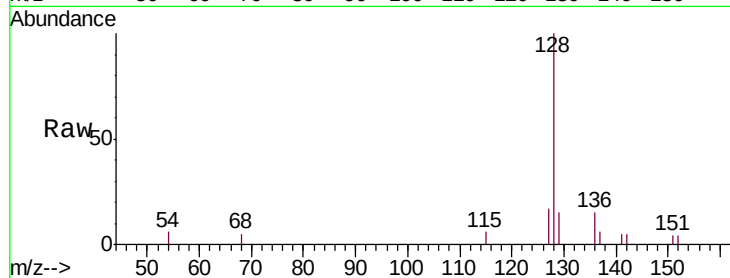
Tgt Ion:128 Resp: 3225

Ion Ratio Lower Upper

128 100

129 14.7 12.3 18.5

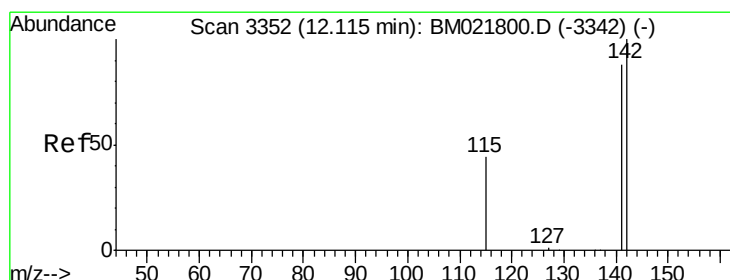
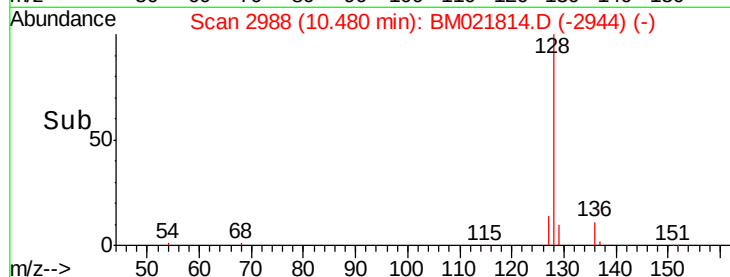
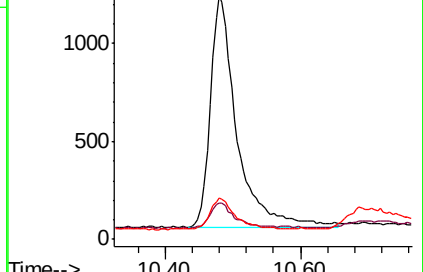
127 17.1 13.0 19.6



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: 0.428 ng/ul

RT: 12.11 min Scan# 3351

Delta R.T. -0.00 min

Lab File: BM021814.D

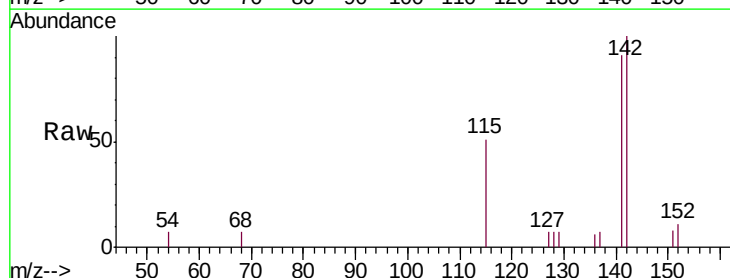
Acq: 04 Aug 2019 16:00

Tgt Ion:142 Resp: 2266

Ion Ratio Lower Upper

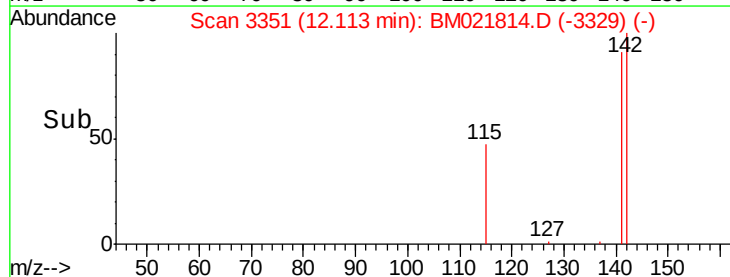
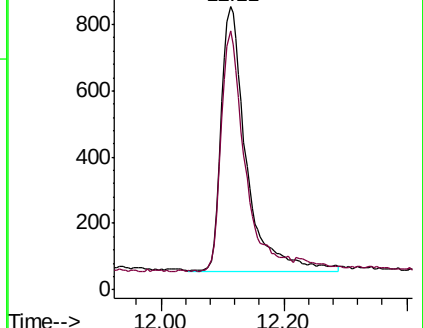
142 100

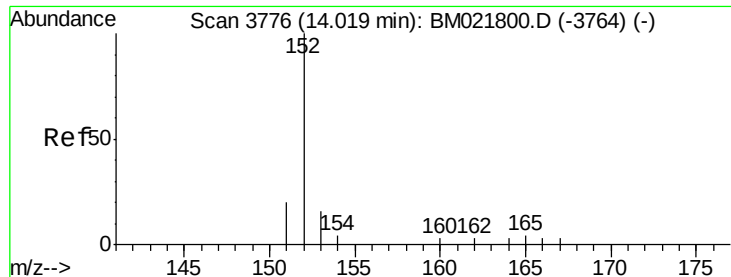
141 86.5 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.417 ng/ul

RT: 14.02 min Scan# 3775

Delta R.T. -0.00 min

Lab File: BM021814.D

Acq: 04 Aug 2019 16:00

Instrument :

BNA_M

ClientSampleId :

SSTD0.428

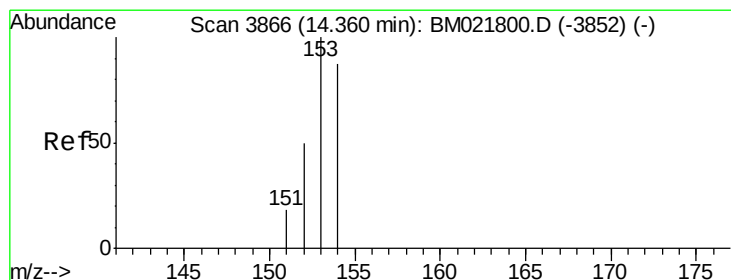
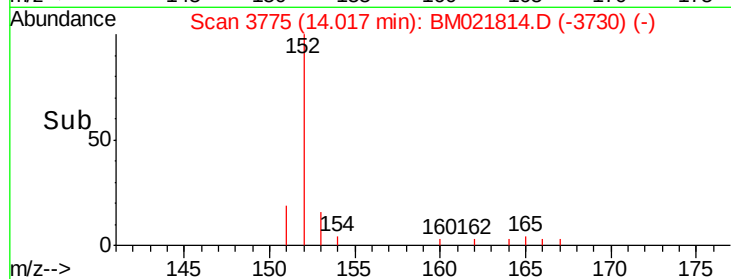
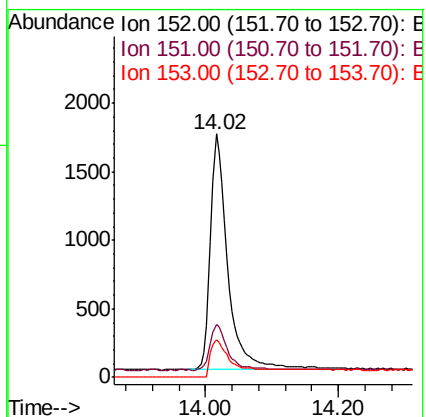
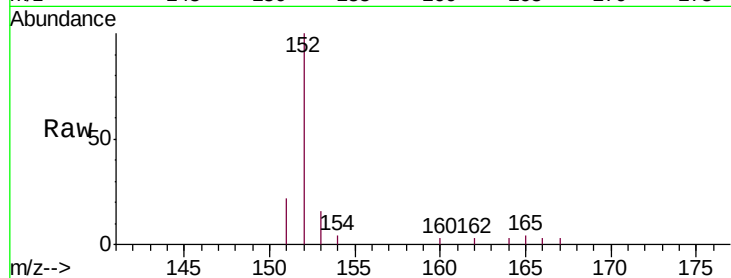
Tgt Ion:152 Resp: 3329

Ion Ratio Lower Upper

152 100

151 21.6 18.3 27.5

153 15.6 12.8 19.2



#8

Acenaphthene

Concen: 0.414 ng/ul

RT: 14.36 min Scan# 3865

Delta R.T. -0.00 min

Lab File: BM021814.D

Acq: 04 Aug 2019 16:00

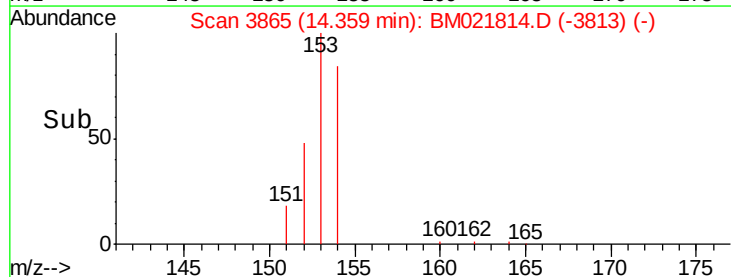
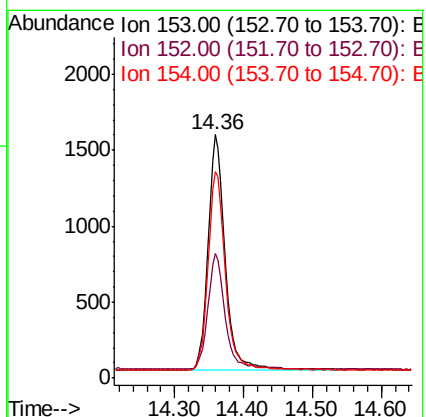
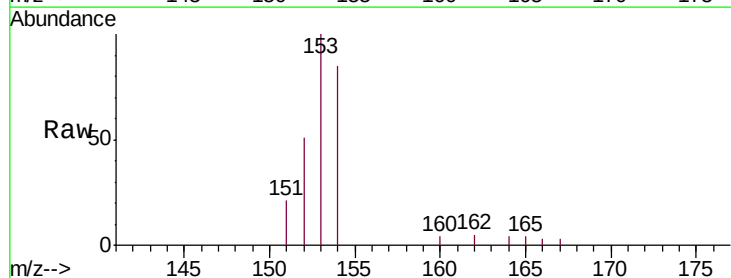
Tgt Ion:153 Resp: 2707

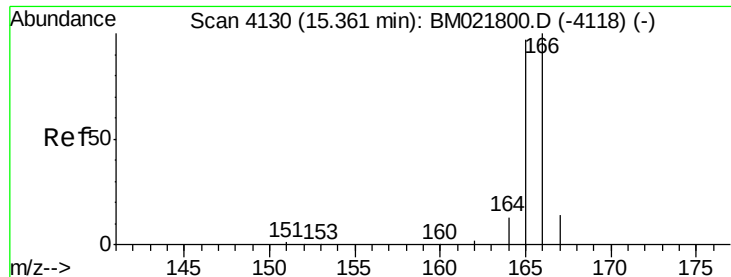
Ion Ratio Lower Upper

153 100

152 51.1 41.3 61.9

154 84.6 72.3 108.5





#9

Fluorene

Concen: 0.408 ng/ul

RT: 15.36 min Scan# 4129

Delta R.T. -0.00 min

Lab File: BM021814.D

Acq: 04 Aug 2019 16:00

Instrument :

BNA_M

ClientSampleId :

SSTD0.428

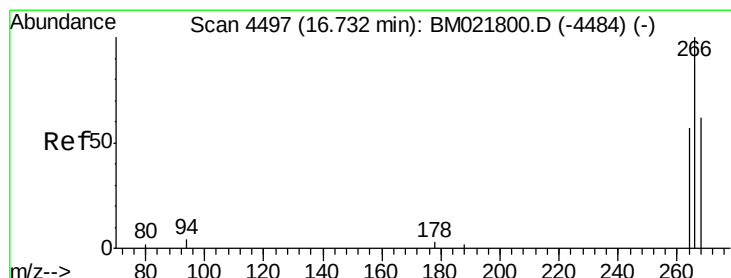
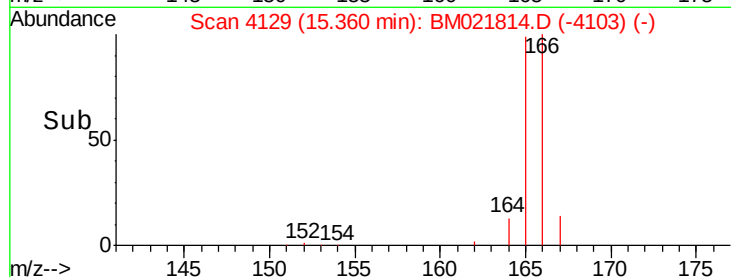
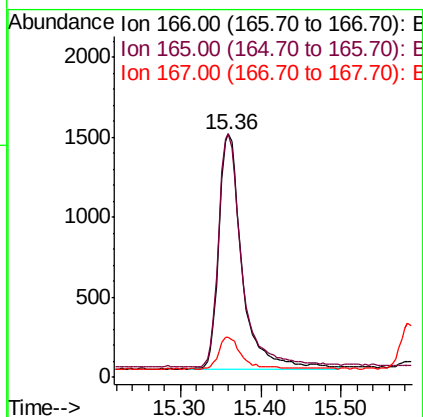
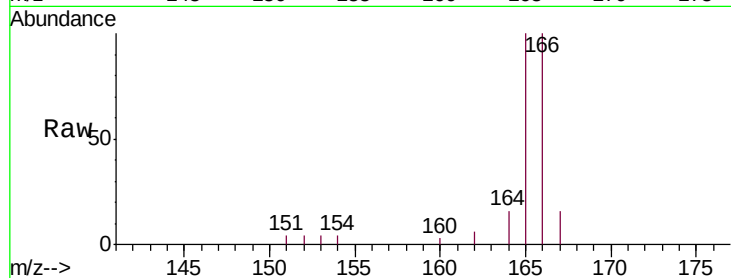
Tgt Ion:166 Resp: 2962

Ion Ratio Lower Upper

166 100

165 100.2 81.4 122.0

167 16.4 13.7 20.5



#11

Pentachlorophenol

Concen: 0.437 ng/ul

RT: 16.73 min Scan# 4497

Delta R.T. 0.00 min

Lab File: BM021814.D

Acq: 04 Aug 2019 16:00

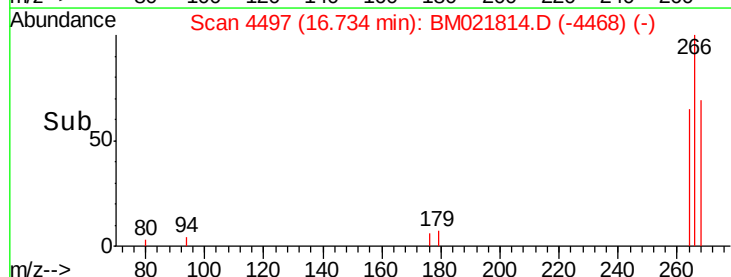
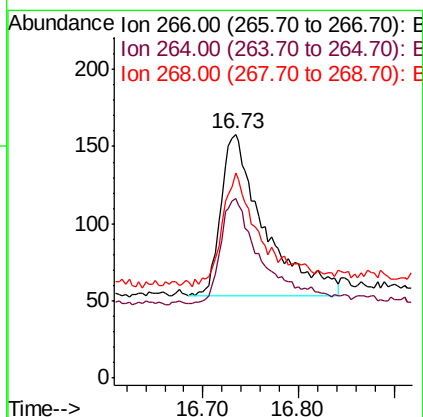
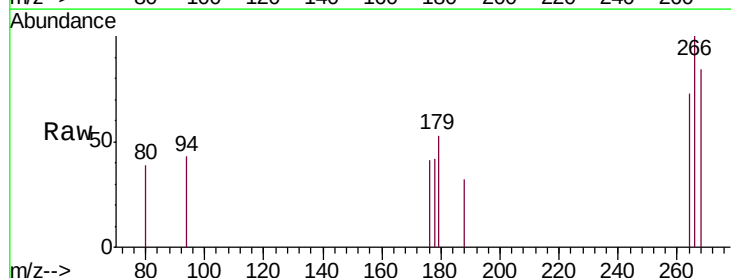
Tgt Ion:266 Resp: 333

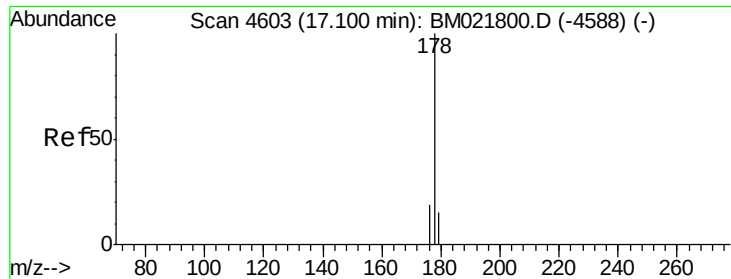
Ion Ratio Lower Upper

266 100

264 65.5 54.2 81.2

268 67.6 57.6 86.4





#12

Phenanthrene

Concen: 0.399 ng/ul

RT: 17.10 min Scan# 4602

Delta R.T. -0.00 min

Lab File: BM021814.D

Acq: 04 Aug 2019 16:00

Instrument :

BNA_M

ClientSampleId :

SSTD0.428

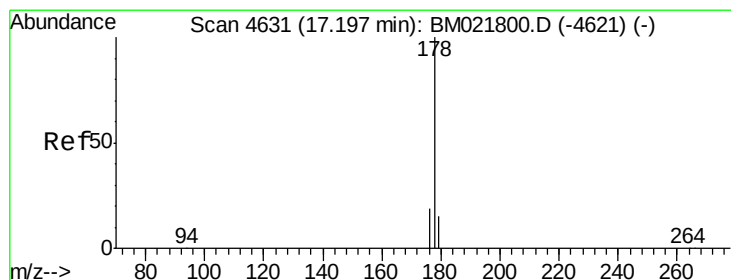
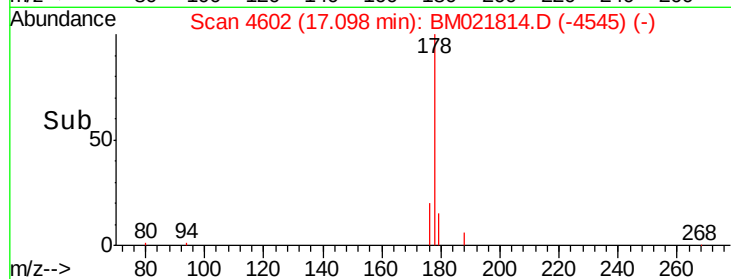
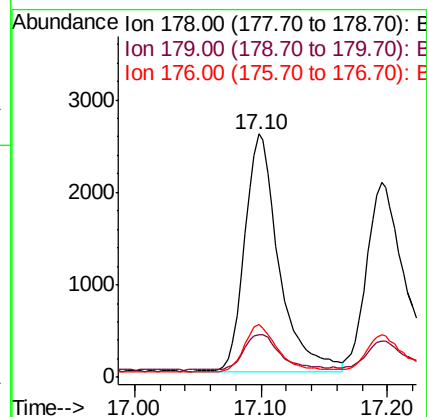
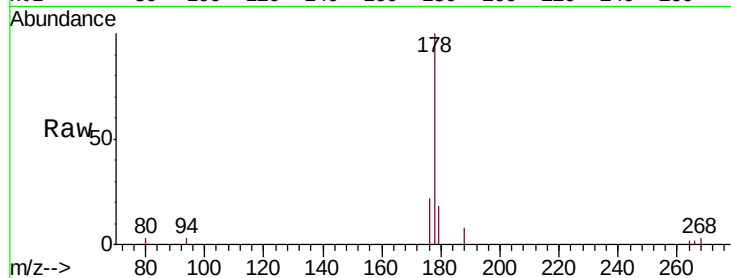
Tgt Ion:178 Resp: 4788

Ion Ratio Lower Upper

178 100

179 17.7 14.2 21.2

176 21.6 16.8 25.2



#13

Anthracene

Concen: 0.413 ng/ul

RT: 17.20 min Scan# 4630

Delta R.T. -0.00 min

Lab File: BM021814.D

Acq: 04 Aug 2019 16:00

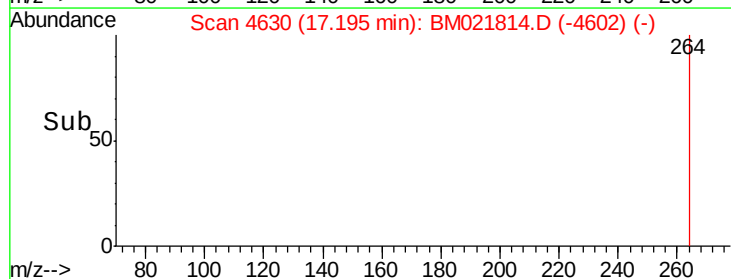
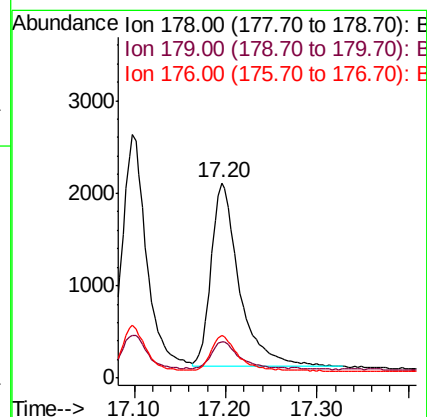
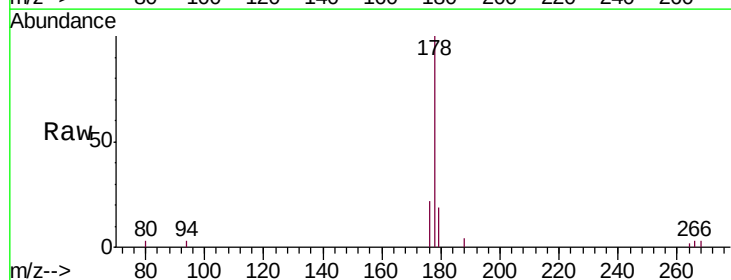
Tgt Ion:178 Resp: 4231

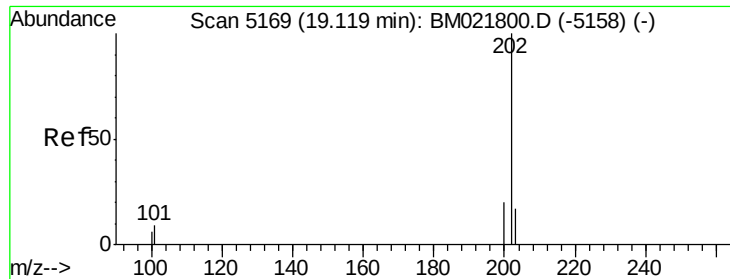
Ion Ratio Lower Upper

178 100

179 18.8 15.5 23.3

176 21.6 16.6 25.0

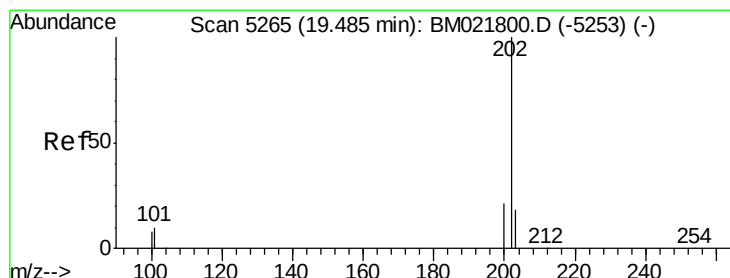
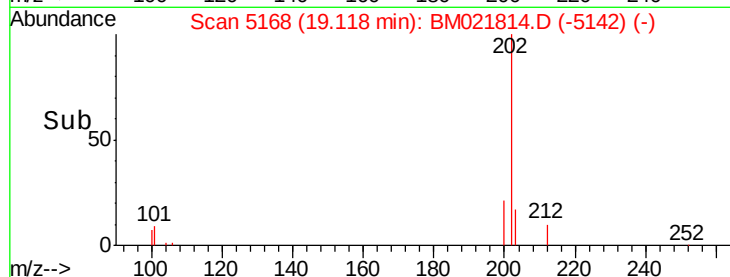
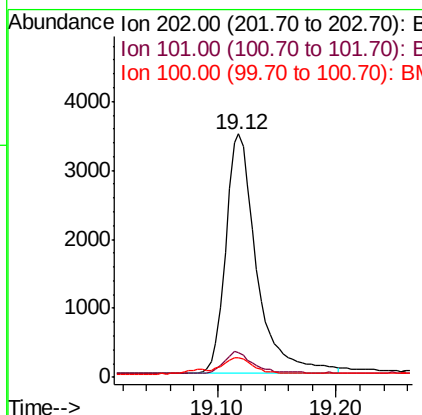
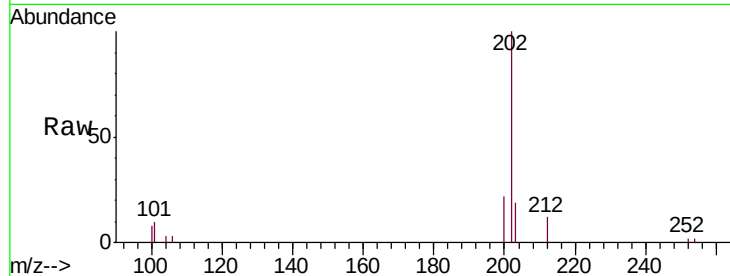




#15
Fluoranthene
 Concen: 0.392 ng/ul
 RT: 19.12 min Scan# 5168
 Delta R.T. -0.00 min
 Lab File: BM021814.D
 Acq: 04 Aug 2019 16:00

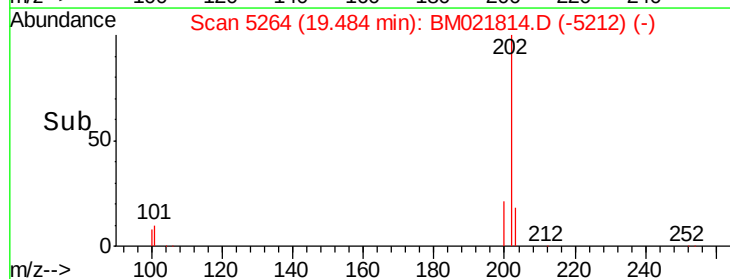
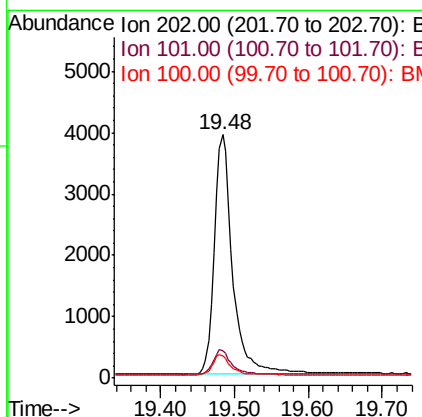
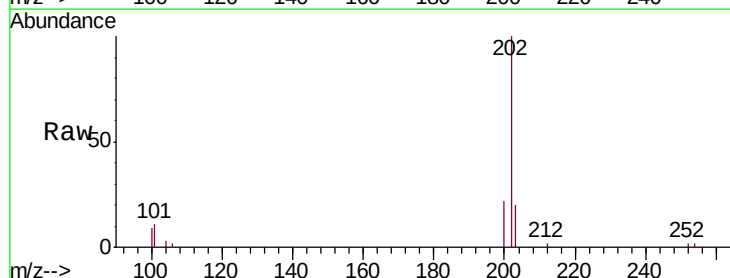
Instrument :
 BNA_M
 ClientSampleId :
 SST0.428

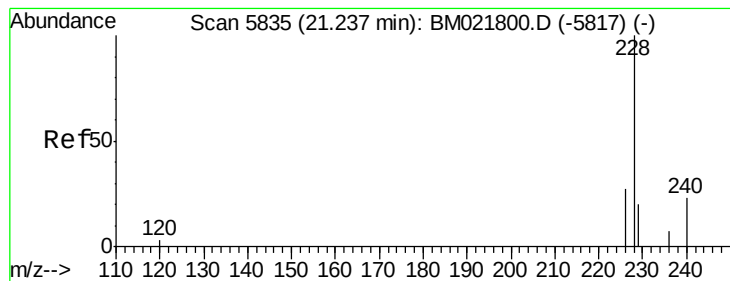
Tgt Ion: 202 Resp: 6301
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 30.2
 100 8.0 0.0 28.1



#17
Pyrene
 Concen: 0.399 ng/ul
 RT: 19.48 min Scan# 5264
 Delta R.T. -0.00 min
 Lab File: BM021814.D
 Acq: 04 Aug 2019 16:00

Tgt Ion: 202 Resp: 6689
 Ion Ratio Lower Upper
 202 100
 101 11.0 8.3 12.5
 100 9.1 7.2 10.8





#18

Benzo(a)anthracene

Concen: 0.414 ng/ul

RT: 21.23 min Scan# 5833

Delta R.T. -0.00 min

Lab File: BM021814.D

Acq: 04 Aug 2019 16:00

Instrument :

BNA_M

ClientSampleId :

SSTD0.428

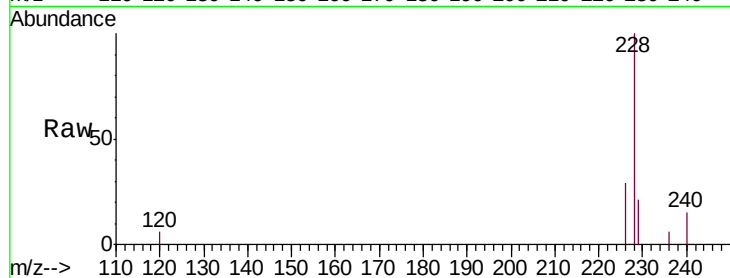
Tgt Ion:228 Resp: 6040

Ion Ratio Lower Upper

228 100

229 21.0 17.2 25.8

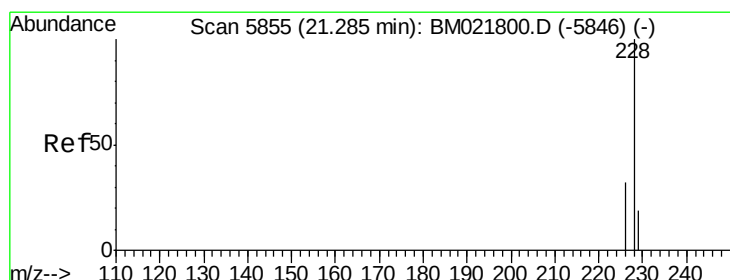
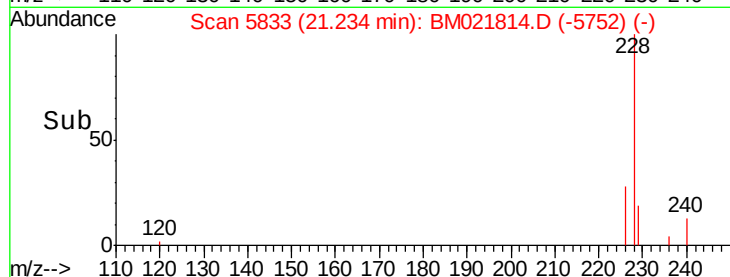
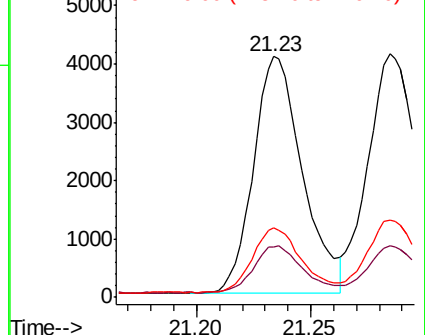
226 29.0 22.6 34.0



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# 5854

Delta R.T. -0.00 min

Lab File: BM021814.D

Acq: 04 Aug 2019 16:00

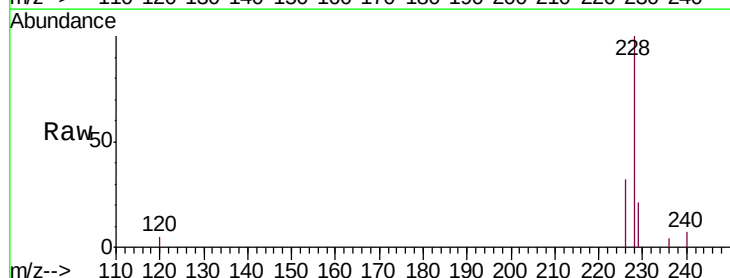
Tgt Ion:228 Resp: 7363

Ion Ratio Lower Upper

228 100

226 31.7 24.9 37.3

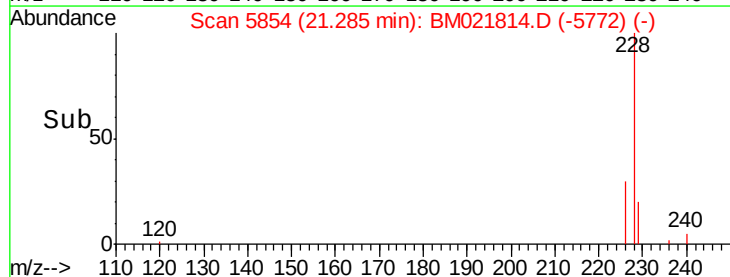
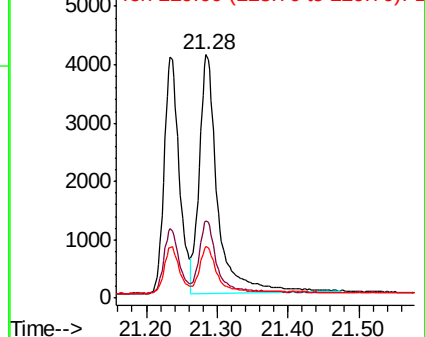
229 21.2 16.6 25.0

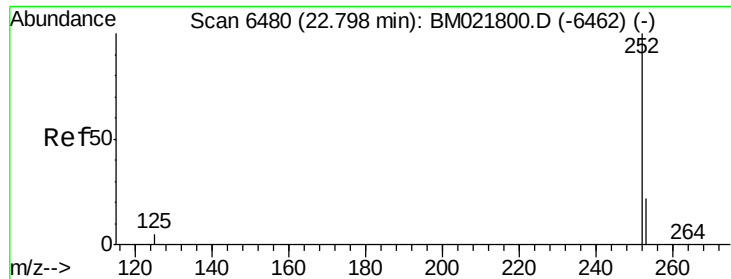


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.407 ng/ul

RT: 22.80 min Scan# 6480

Delta R.T. 0.00 min

Lab File: BM021814.D

Acq: 04 Aug 2019 16:00

Instrument :

BNA_M

ClientSampleId :

SSTD0.428

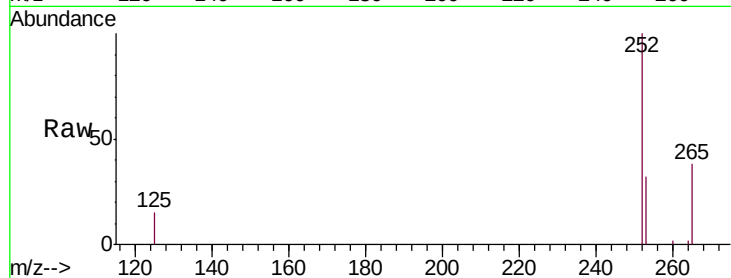
Tgt Ion:252 Resp: 6632

Ion Ratio Lower Upper

252 100

253 32.0 0.0 67.4

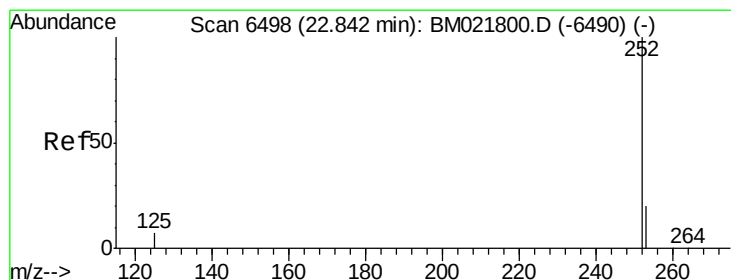
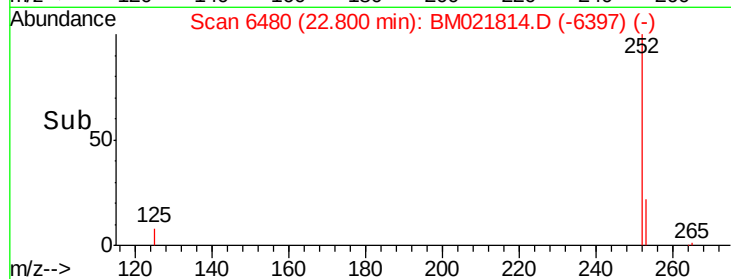
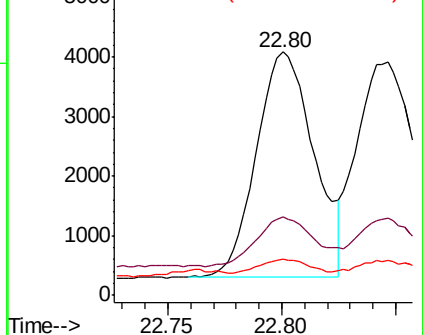
125 14.8 0.0 31.0



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: 0.399 ng/ul

RT: 22.85 min Scan# 6499

Delta R.T. 0.00 min

Lab File: BM021814.D

Acq: 04 Aug 2019 16:00

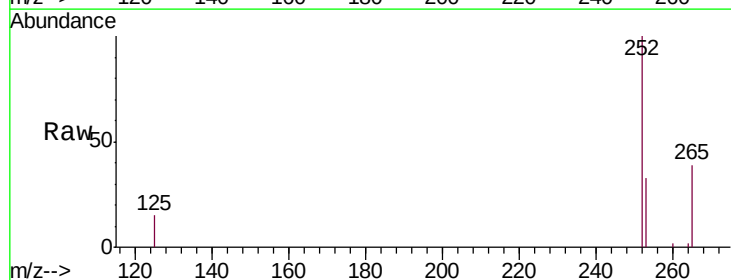
Tgt Ion:252 Resp: 7353

Ion Ratio Lower Upper

252 100

253 32.9 27.0 40.4

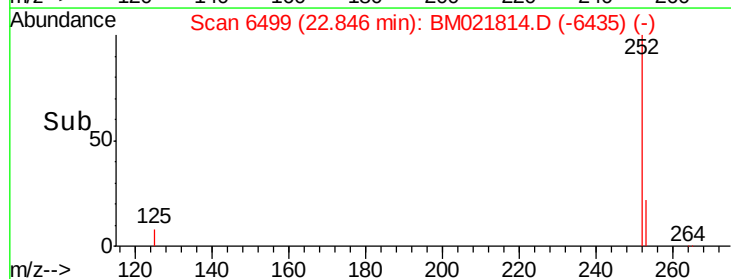
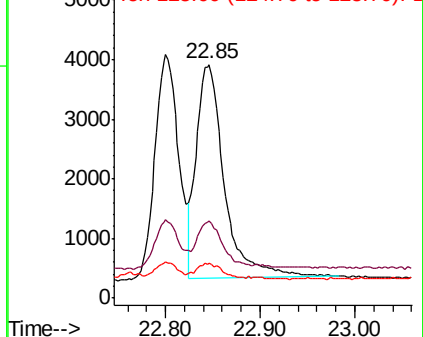
125 15.0 12.2 18.2

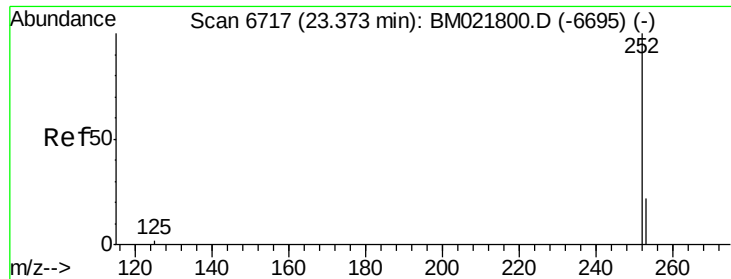


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.404 ng/ul

RT: 23.37 min Scan# 6717

Delta R.T. 0.00 min

Lab File: BM021814.D

Acq: 04 Aug 2019 16:00

Instrument :

BNA_M

ClientSampleId :

SSTD0.428

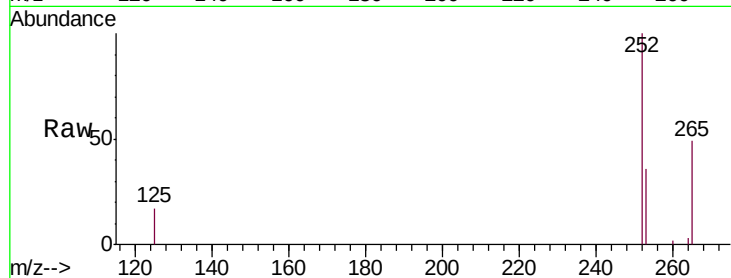
Tgt Ion:252 Resp: 6690

Ion Ratio Lower Upper

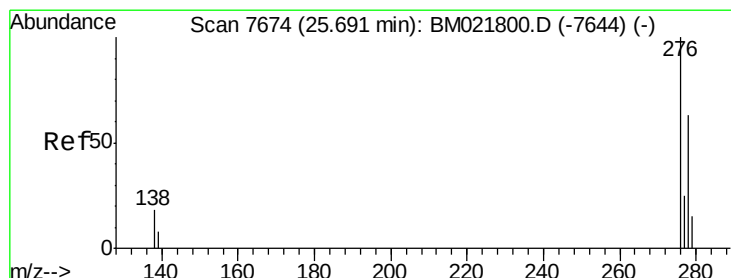
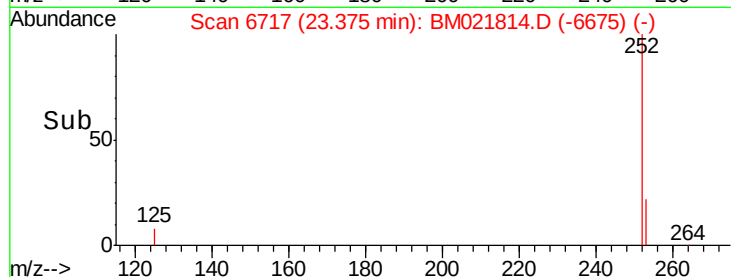
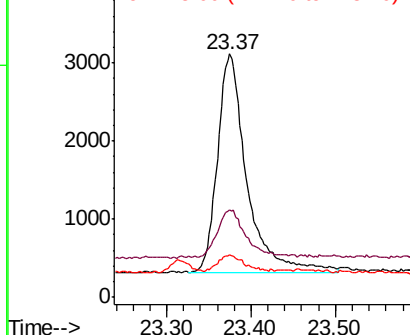
252 100

253 35.8 31.7 47.5

125 17.3 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: 0.410 ng/ul

RT: 25.69 min Scan# 7674

Delta R.T. 0.00 min

Lab File: BM021814.D

Acq: 04 Aug 2019 16:00

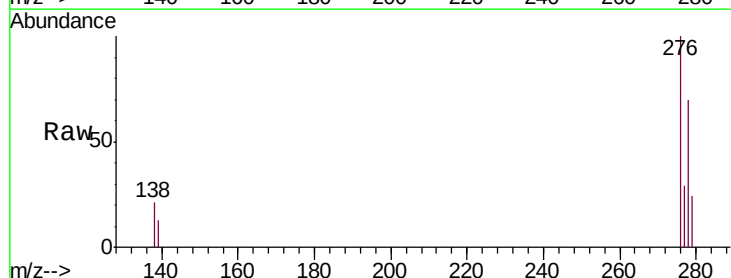
Tgt Ion:276 Resp: 8104

Ion Ratio Lower Upper

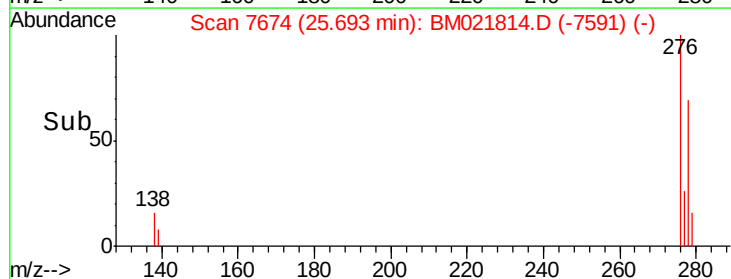
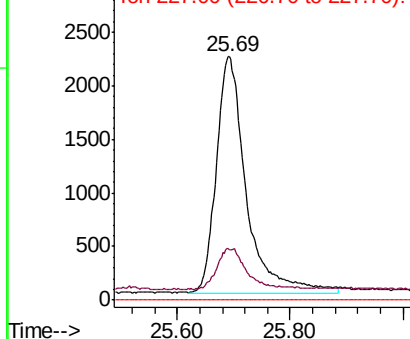
276 100

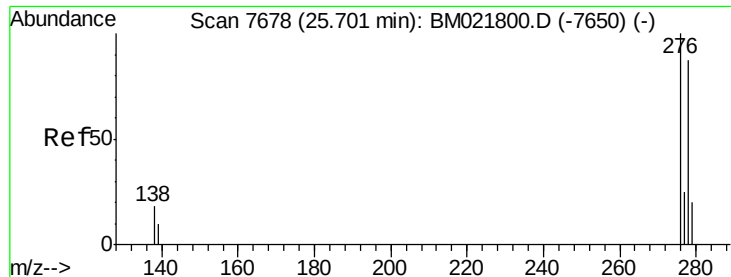
138 16.5 15.1 22.7

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



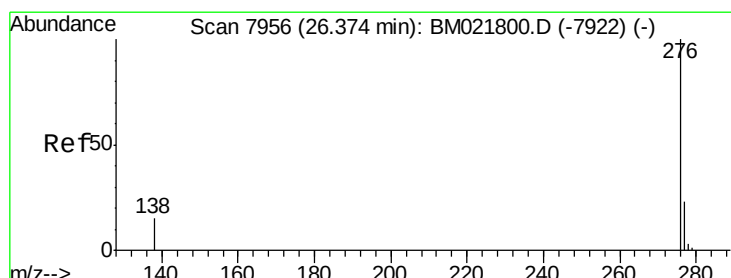
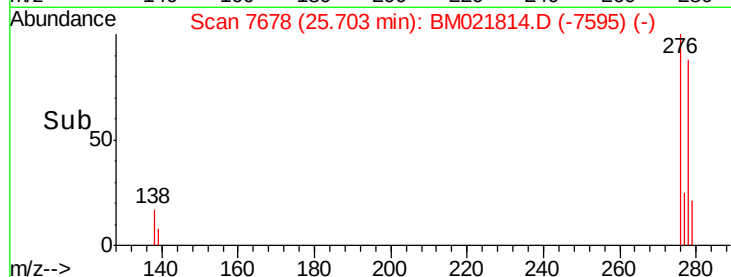
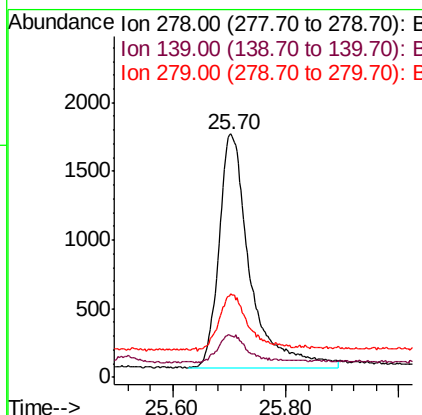
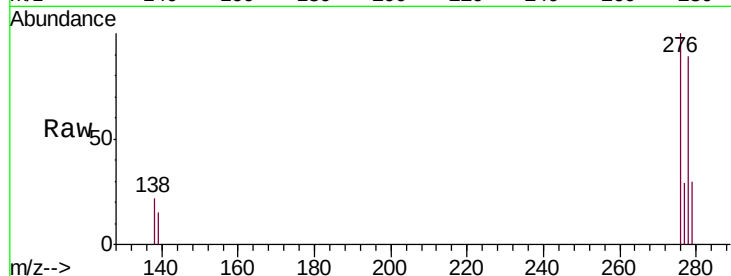


#25
Dibenzo(a,h)anthracene
Concen: 0.406 ng/ul
RT: 25.70 min Scan# 7678
Delta R.T. 0.00 min
Lab File: BM021814.D
Acq: 04 Aug 2019 16:00

Instrument :
BNA_M
ClientSampleId :
SSTD0.428

Tgt Ion: 278 Resp: 6492

Ion	Ratio	Lower	Upper
278	100		
139	17.0	14.2	21.2
279	34.3	28.3	42.5



#26
Benzo(g,h,i)perylene
Concen: 0.402 ng/ul
RT: 26.37 min Scan# 7956
Delta R.T. -0.00 min
Lab File: BM021814.D
Acq: 04 Aug 2019 16:00

Tgt Ion: 276 Resp: 7160

Ion	Ratio	Lower	Upper
276	100		
138	19.7	15.5	23.3
277	27.5	21.4	32.2

