

Data File : BM021882.D
Acq On : 07 Aug 2019 05:37
Operator : HP/JU
Sample : SSTDC00.4
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.437

Quant Time: Aug 07 07:00:56 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 : Wed Aug 07 04:02:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	651	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	3016	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	1694	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	3667	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	3350	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	3912	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	1937	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	4398	0.36	ng/ul	0.00

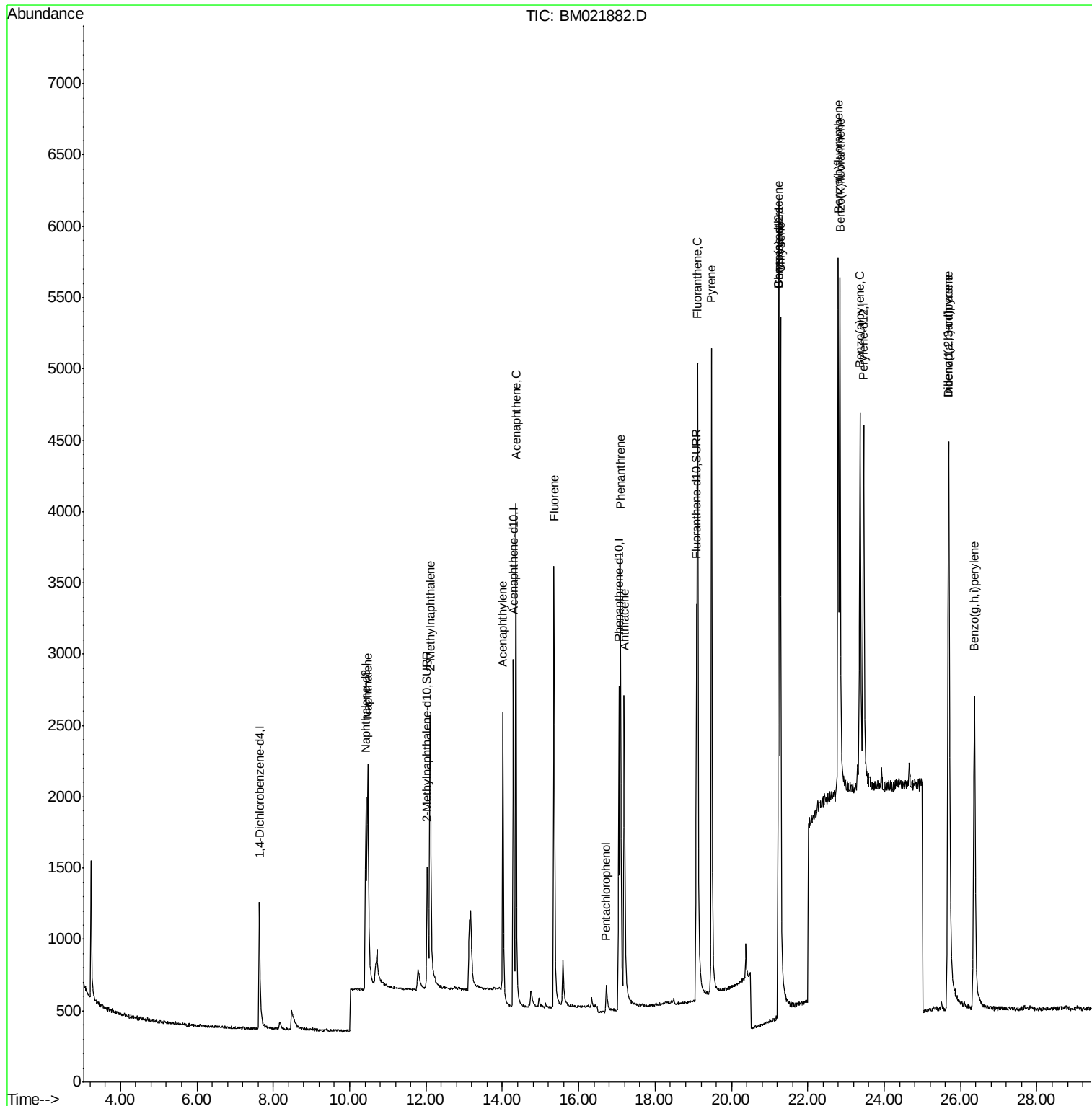
Target Compounds				Qvalue		
3) Naphthalene	10.47	128	3234	0.380	ng/ul	98
5) 2-Methylnaphthalene	12.11	142	2223	0.392	ng/ul	100
7) Acenaphthylene	14.01	152	3033	0.384	ng/ul	100
8) Acenaphthene	14.35	153	2517	0.389	ng/ul	97
9) Fluorene	15.35	166	2642	0.368	ng/ul	98
11) Pentachlorophenol	16.72	266	242	0.358	ng/ul	91
12) Phenanthrene	17.09	178	4139	0.388	ng/ul	99
13) Anthracene	17.19	178	3511	0.386	ng/ul	99
15) Fluoranthene	19.12	202	5068	0.355	ng/ul	97
17) Pyrene	19.48	202	5310	0.386	ng/ul#	94
18) Benzo(a)anthracene	21.23	228	4560	0.381	ng/ul	98
19) Chrysene	21.28	228	5864	0.381	ng/ul	98
21) Benzo(b)fluoranthene	22.79	252	5087	0.386	ng/ul	96
22) Benzo(k)fluoranthene	22.84	252	5669	0.380	ng/ul	97
23) Benzo(a)pyrene	23.37	252	5018	0.374	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.68	276	6011	0.375	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.69	278	4859	0.375	ng/ul	98
26) Benzo(g,h,i)perylene	26.36	276	5278	0.366	ng/ul	97

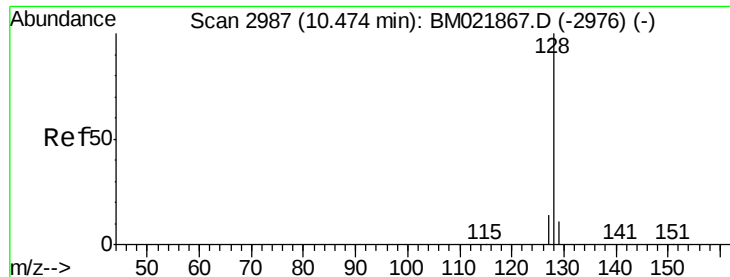
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.380 ng/ul

RT: 10.47 min Scan# 2987

Delta R.T. -0.00 min

Lab File: BM021882.D

Acq: 07 Aug 2019 05:37

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

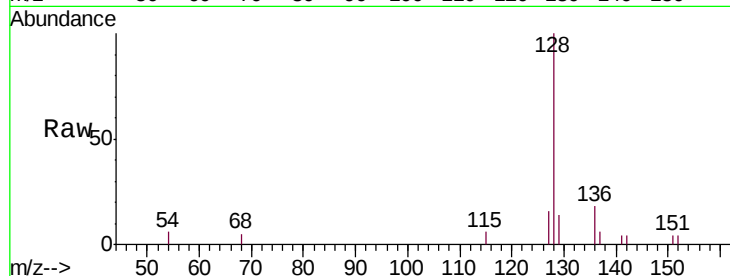
Tgt Ion:128 Resp: 3234

Ion Ratio Lower Upper

128 100

129 14.2 12.3 18.5

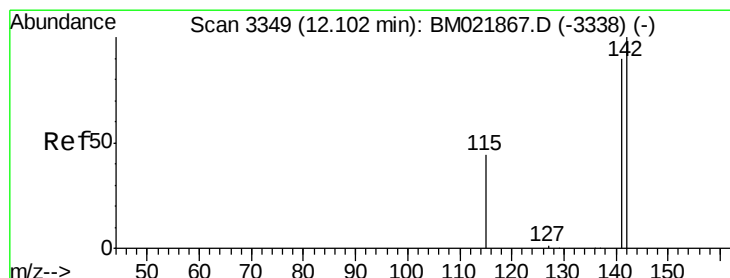
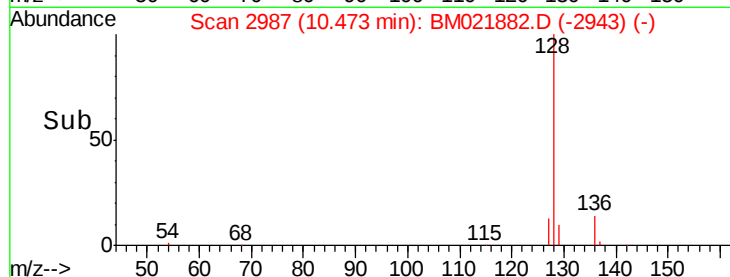
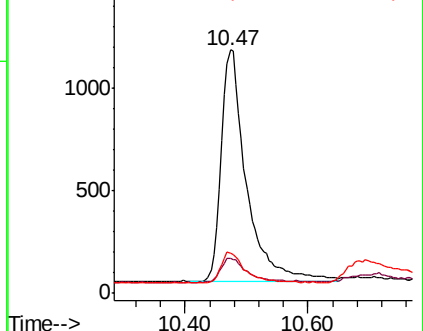
127 16.4 13.0 19.6



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: 0.392 ng/ul

RT: 12.11 min Scan# 3350

Delta R.T. 0.00 min

Lab File: BM021882.D

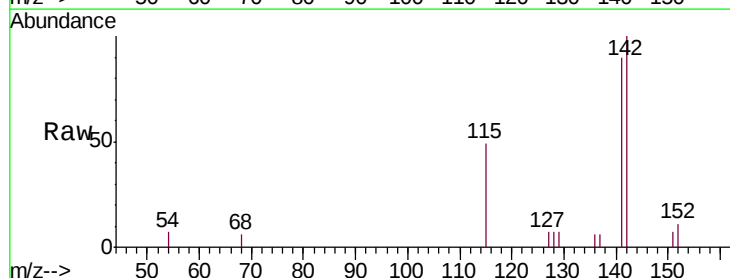
Acq: 07 Aug 2019 05:37

Tgt Ion:142 Resp: 2223

Ion Ratio Lower Upper

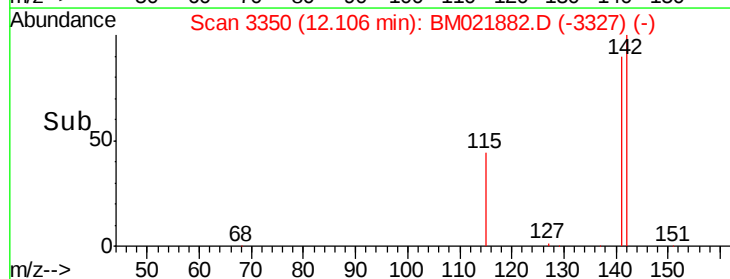
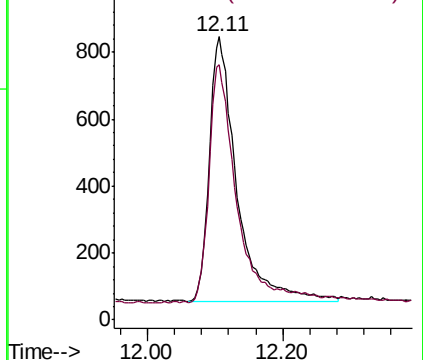
142 100

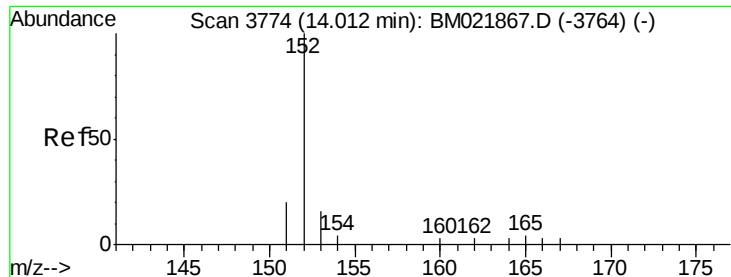
141 93.1 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.384 ng/ul

RT: 14.01 min Scan# 3774

Delta R.T. -0.00 min

Lab File: BM021882.D

Acq: 07 Aug 2019 05:37

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

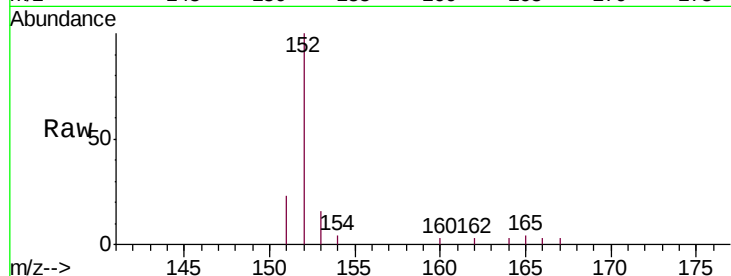
Tgt Ion:152 Resp: 3033

Ion Ratio Lower Upper

152 100

151 23.1 18.3 27.5

153 16.0 12.8 19.2



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

14.01

1500

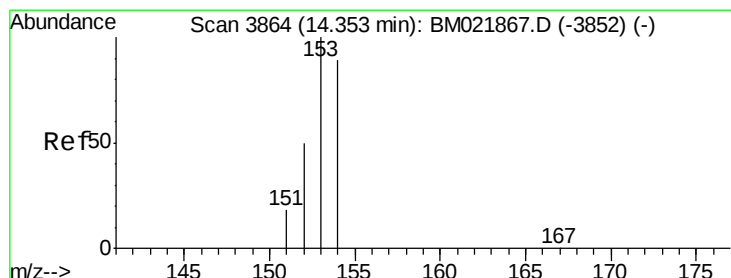
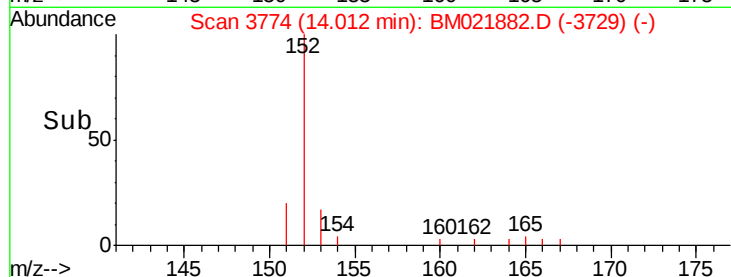
1000

500

0

Time-->

14.00 14.20



#8

Acenaphthene

Concen: 0.389 ng/ul

RT: 14.35 min Scan# 3864

Delta R.T. -0.00 min

Lab File: BM021882.D

Acq: 07 Aug 2019 05:37

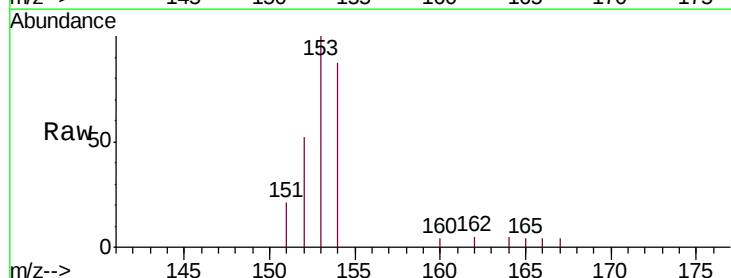
Tgt Ion:153 Resp: 2517

Ion Ratio Lower Upper

153 100

152 51.8 41.3 61.9

154 86.8 72.3 108.5



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

14.35

1500

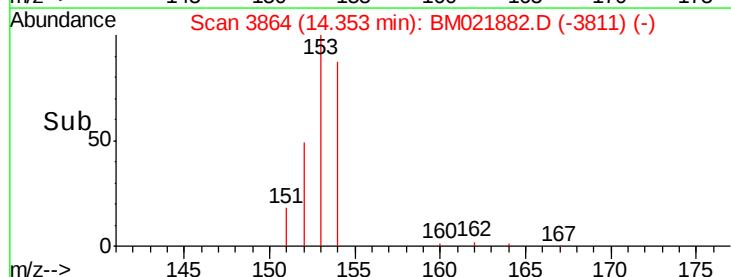
1000

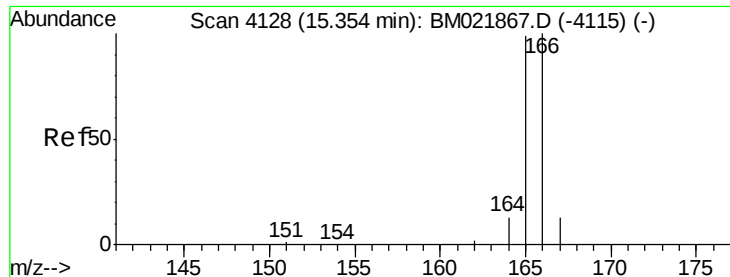
500

0

Time-->

14.30 14.40 14.50

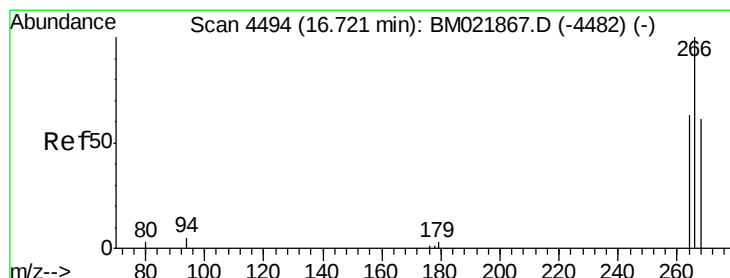
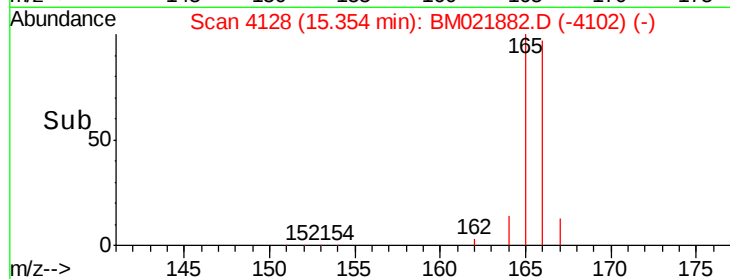
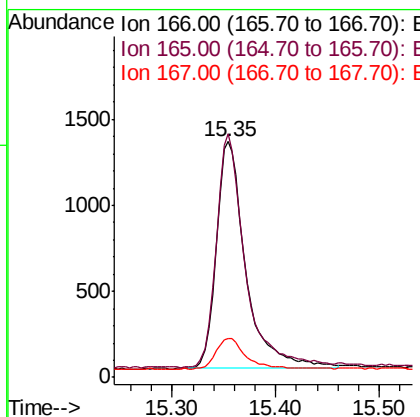
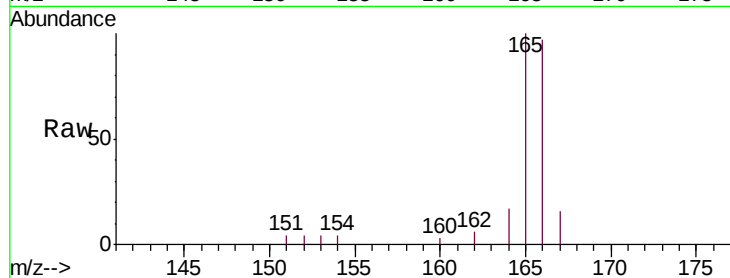




#9
Fluorene
 Concen: 0.368 ng/ul
 RT: 15.35 min Scan# 4128
 Delta R.T. -0.00 min
 Lab File: BM021882.D
 Acq: 07 Aug 2019 05:37

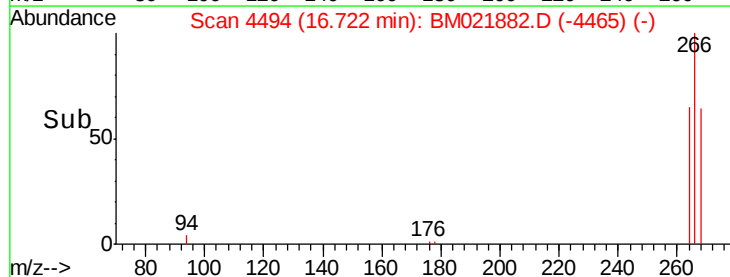
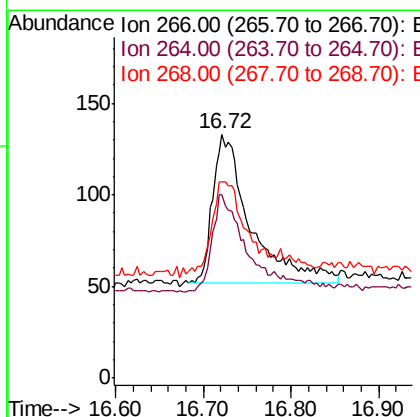
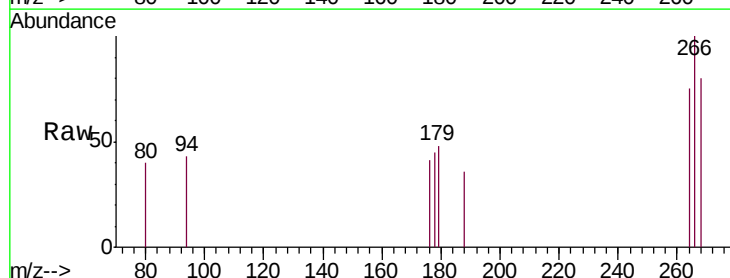
Instrument :
 BNA_M
 ClientSampleId :
 SST0.437

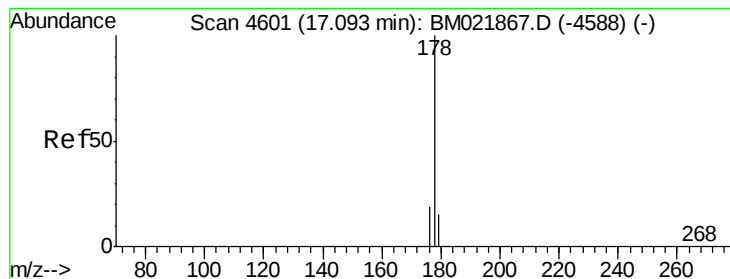
Tgt Ion:166 Resp: 2642
 Ion Ratio Lower Upper
 166 100
 165 103.3 81.4 122.0
 167 16.5 13.7 20.5



#11
Pentachlorophenol
 Concen: 0.358 ng/ul
 RT: 16.72 min Scan# 4494
 Delta R.T. 0.00 min
 Lab File: BM021882.D
 Acq: 07 Aug 2019 05:37

Tgt Ion:266 Resp: 242
 Ion Ratio Lower Upper
 266 100
 264 64.9 54.2 81.2
 268 60.7 57.6 86.4





#12

Phenanthrene

Concen: 0.388 ng/ul

RT: 17.09 min Scan# 4601

Delta R.T. 0.00 min

Lab File: BM021882.D

Acq: 07 Aug 2019 05:37

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

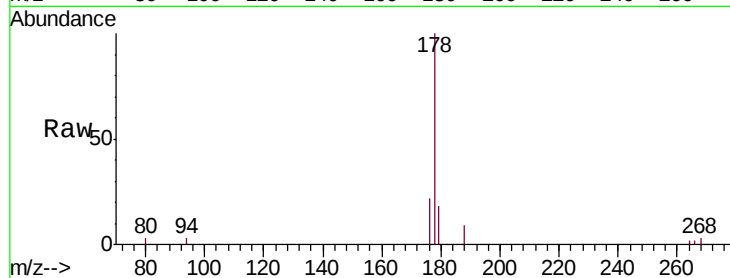
Tgt Ion:178 Resp: 4139

Ion Ratio Lower Upper

178 100

179 17.9 14.2 21.2

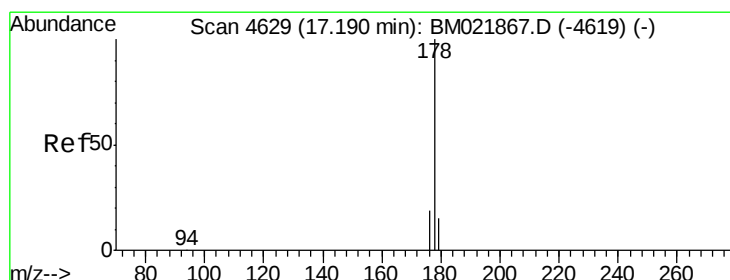
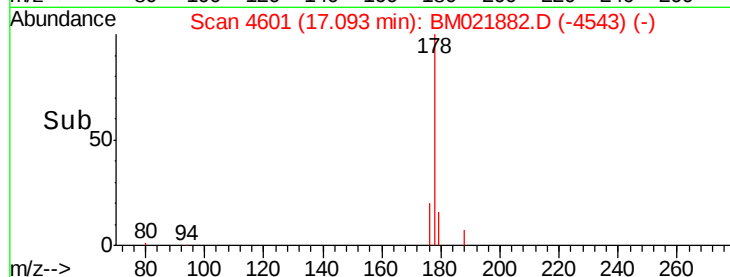
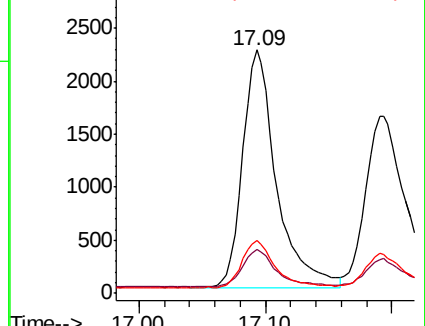
176 21.6 16.8 25.2



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: 0.386 ng/ul

RT: 17.19 min Scan# 4630

Delta R.T. 0.00 min

Lab File: BM021882.D

Acq: 07 Aug 2019 05:37

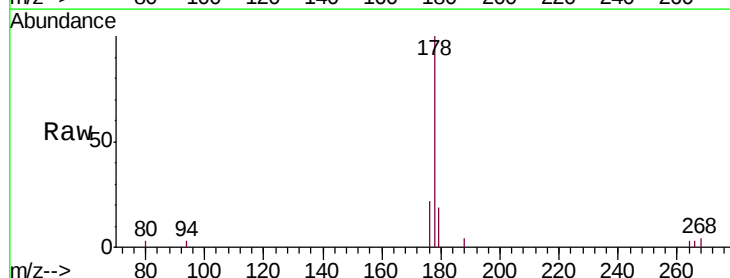
Tgt Ion:178 Resp: 3511

Ion Ratio Lower Upper

178 100

179 19.4 15.5 23.3

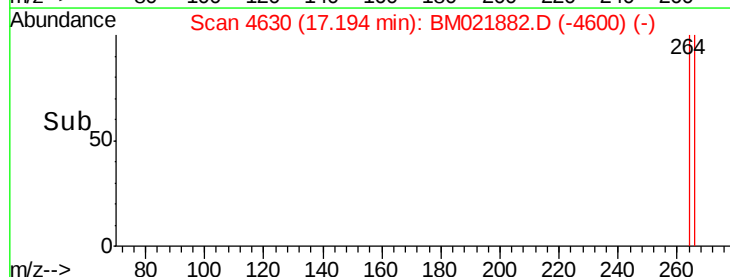
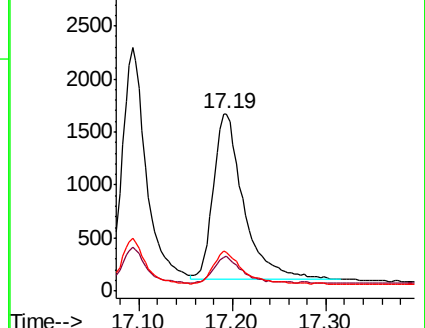
176 21.9 16.6 25.0

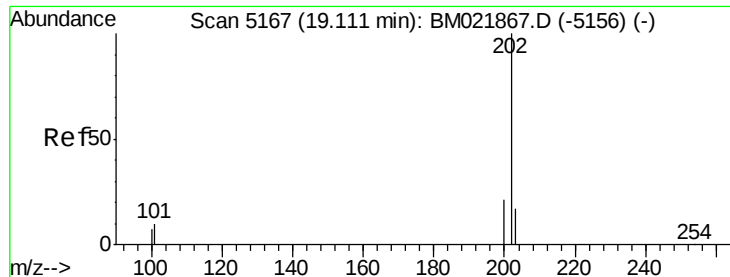


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.355 ng/ul

RT: 19.12 min Scan# 5168

Delta R.T. 0.00 min

Lab File: BM021882.D

Acq: 07 Aug 2019 05:37

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

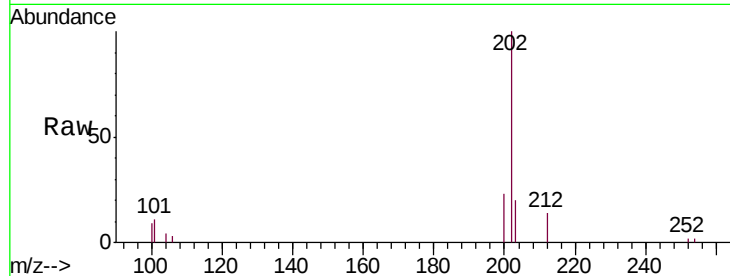
Tgt Ion:202 Resp: 5068

Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.2

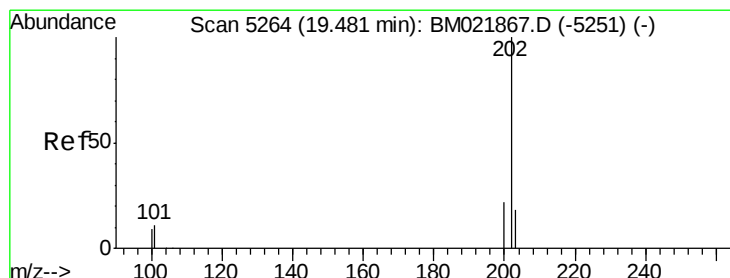
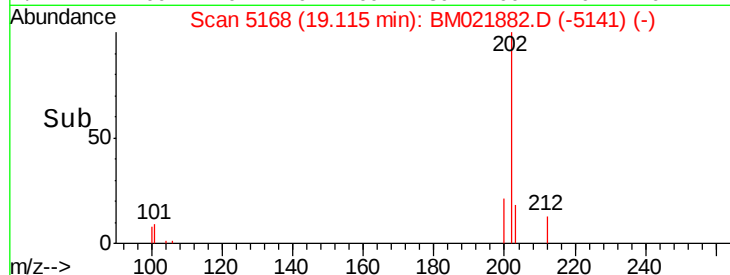
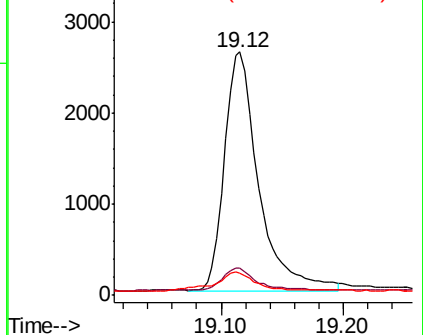
100 9.3 0.0 28.1



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



#17

Pyrene

Concen: 0.386 ng/ul

RT: 19.48 min Scan# 5263

Delta R.T. -0.00 min

Lab File: BM021882.D

Acq: 07 Aug 2019 05:37

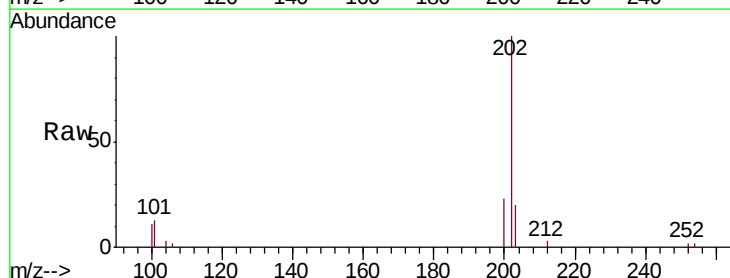
Tgt Ion:202 Resp: 5310

Ion Ratio Lower Upper

202 100

101 12.9 8.3 12.5#

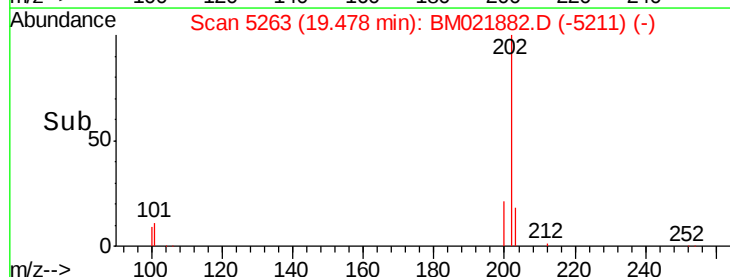
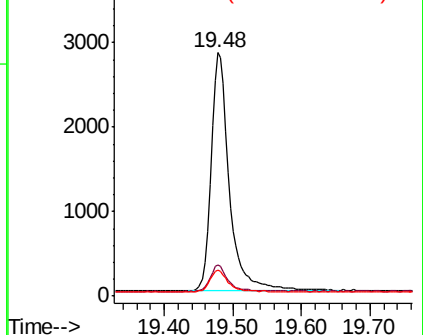
100 10.9 7.2 10.8#

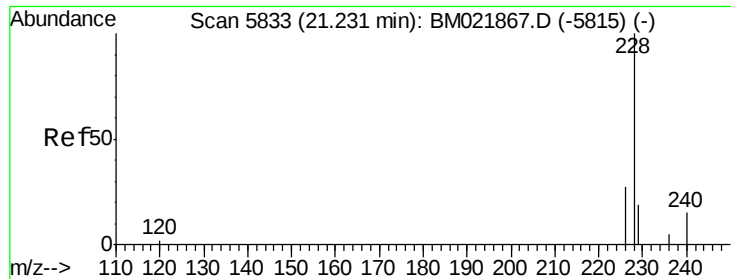


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.381 ng/ul

RT: 21.23 min Scan# 5833

Delta R.T. 0.00 min

Lab File: BM021882.D

Acq: 07 Aug 2019 05:37

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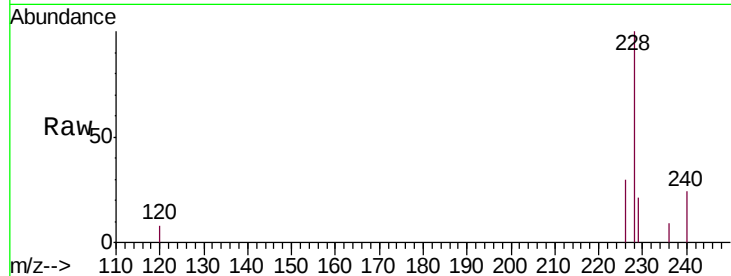
Tgt Ion:228 Resp: 4560

Ion Ratio Lower Upper

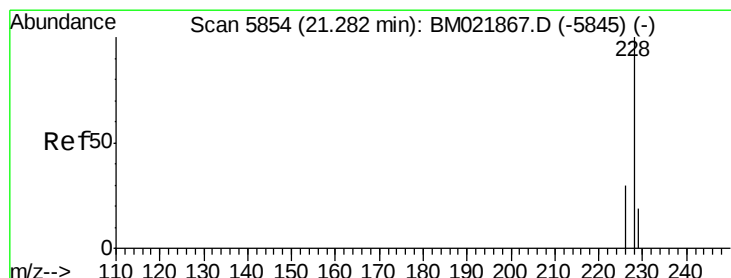
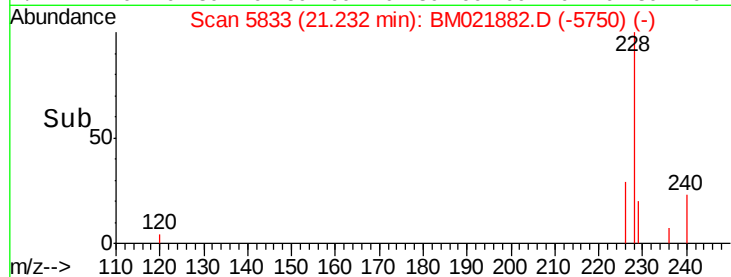
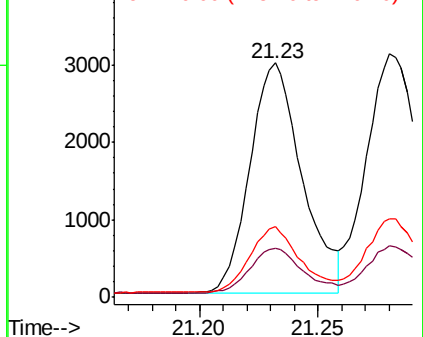
228 100

229 21.1 17.2 25.8

226 30.0 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: 0.381 ng/ul

RT: 21.28 min Scan# 5853

Delta R.T. -0.00 min

Lab File: BM021882.D

Acq: 07 Aug 2019 05:37

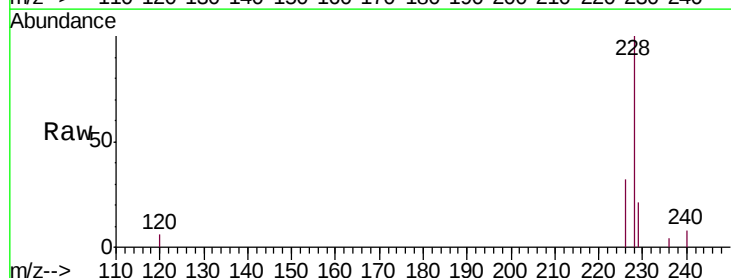
Tgt Ion:228 Resp: 5864

Ion Ratio Lower Upper

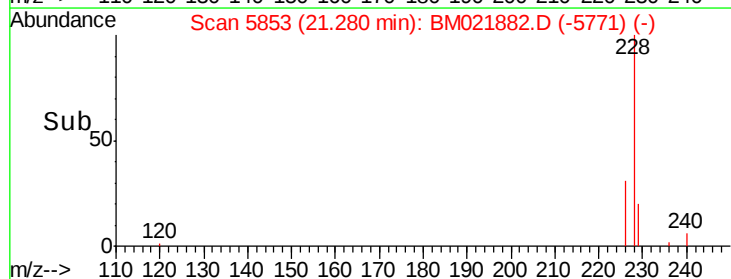
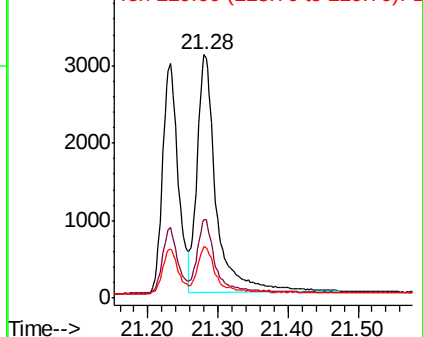
228 100

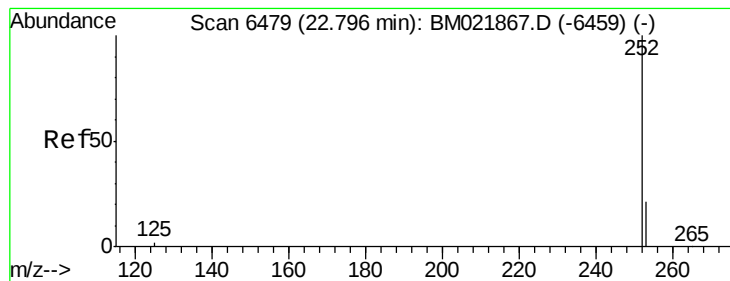
226 32.2 24.9 37.3

229 21.4 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: 0.386 ng/u1

RT: 22.79 min Scan# 6478

Delta R.T. -0.00 min

Lab File: BM021882.D

Acq: 07 Aug 2019 05:37

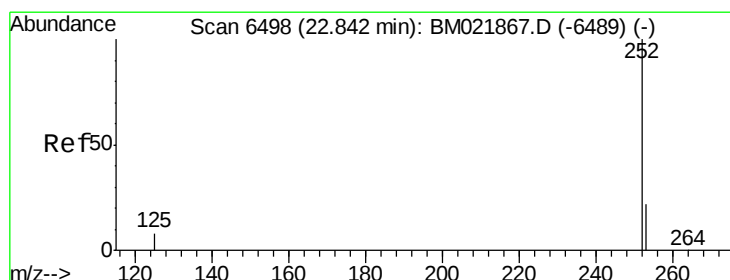
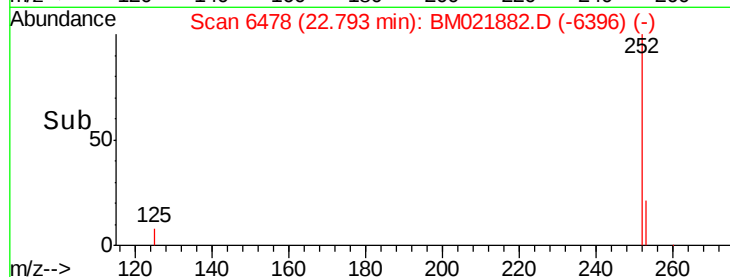
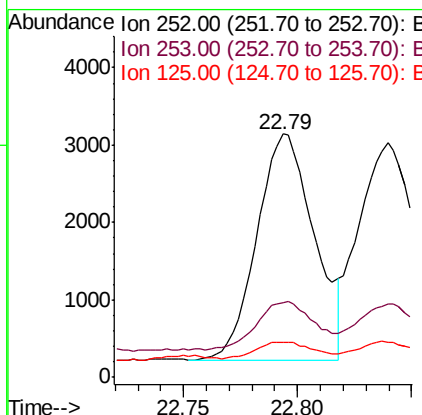
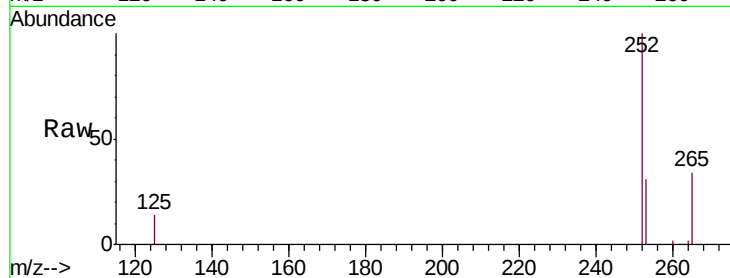
Instrument :

BNA_M

ClientSampleId :

SSTD0.437

Tgt Ion:	252	Resp:	5087
Ion	Ratio	Lower	Upper
252	100		
253	30.9	0.0	67.4
125	14.5	0.0	31.0



#22

Benzo(k)fluoranthene

Concen: 0.380 ng/u1

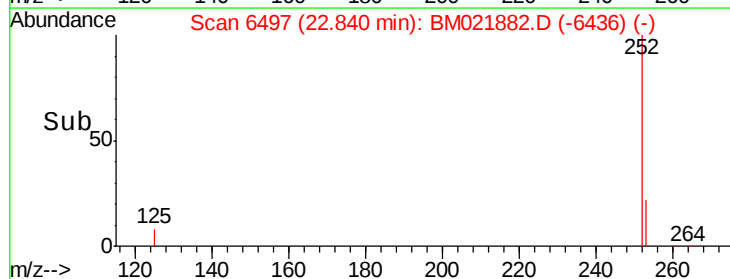
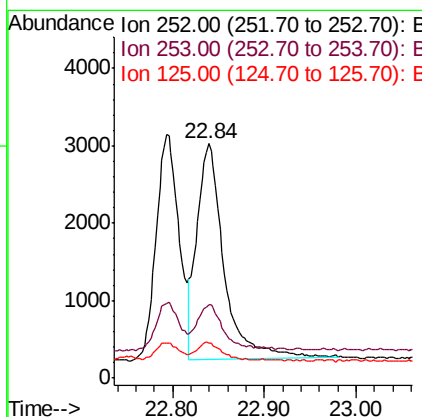
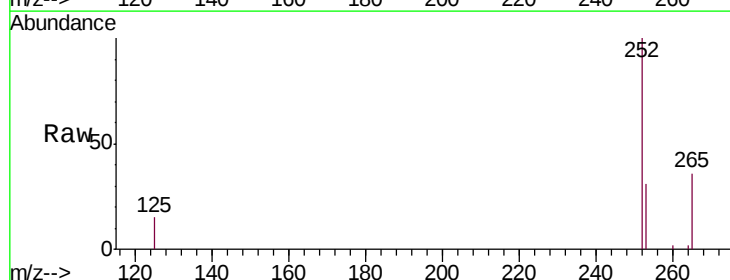
RT: 22.84 min Scan# 6497

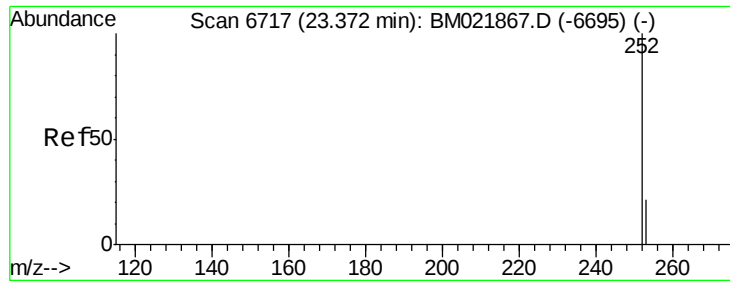
Delta R.T. -0.00 min

Lab File: BM021882.D

Acq: 07 Aug 2019 05:37

Tgt Ion:	252	Resp:	5669
Ion	Ratio	Lower	Upper
252	100		
253	31.5	27.0	40.4
125	15.0	12.2	18.2





#23

Benzo(a)pyrene

Concen: 0.374 ng/u1

RT: 23.37 min Scan# 6714

Delta R.T. -0.01 min

Lab File: BM021882.D

Acq: 07 Aug 2019 05:37

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

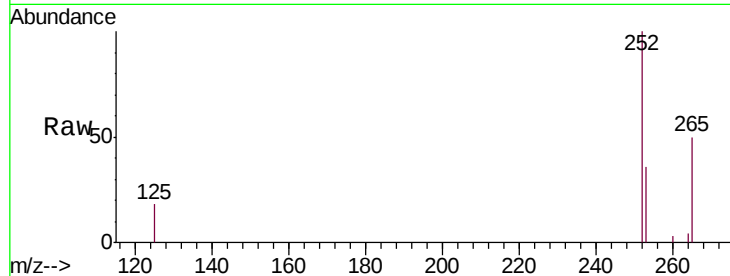
Tgt Ion:252 Resp: 5018

Ion Ratio Lower Upper

252 100

253 36.3 31.7 47.5

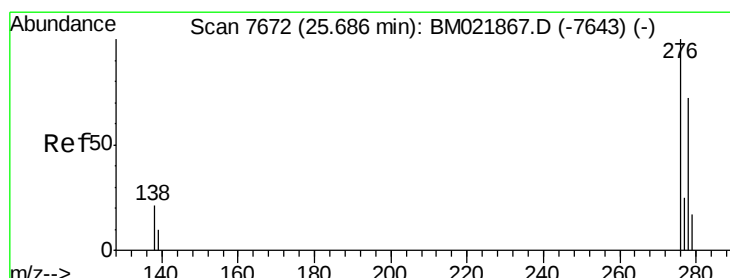
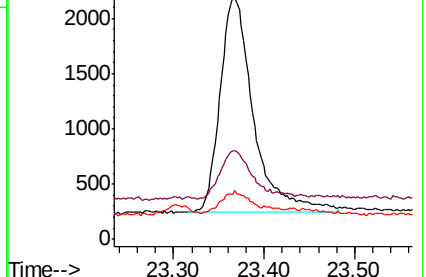
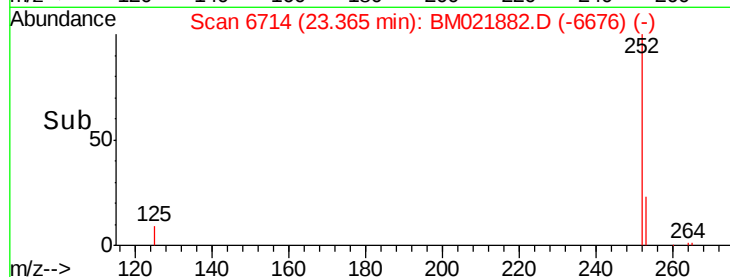
125 18.3 14.6 21.8



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: 0.375 ng/u1

RT: 25.68 min Scan# 7669

Delta R.T. -0.01 min

Lab File: BM021882.D

Acq: 07 Aug 2019 05:37

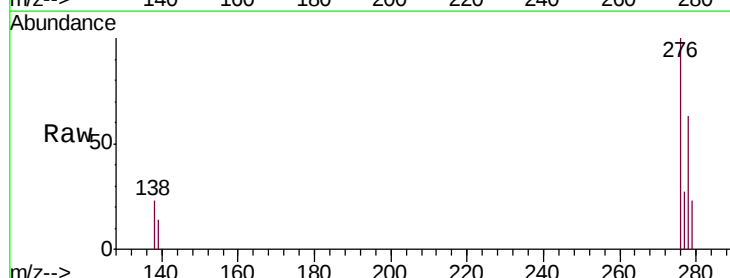
Tgt Ion:276 Resp: 6011

Ion Ratio Lower Upper

276 100

138 20.9 15.1 22.7

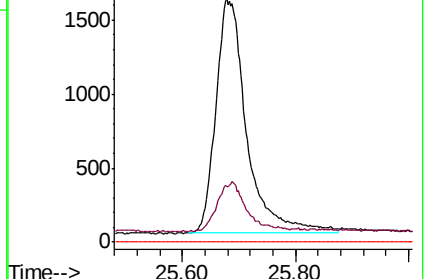
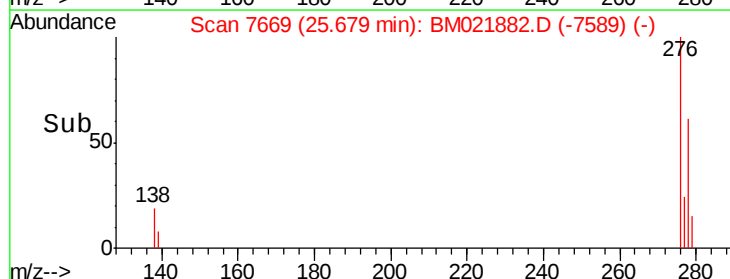
227 0.0 0.0 0.0

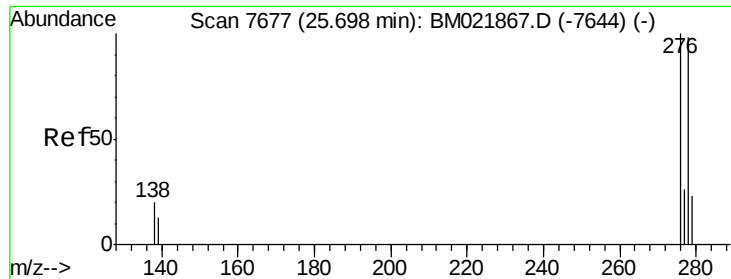


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

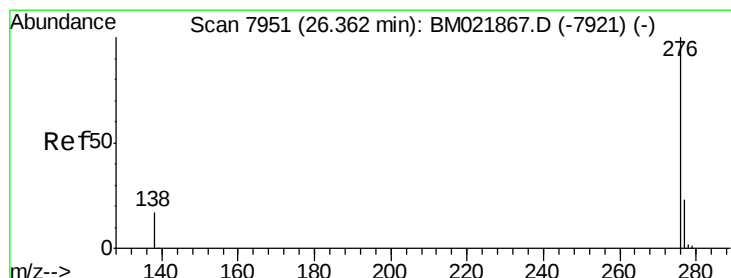
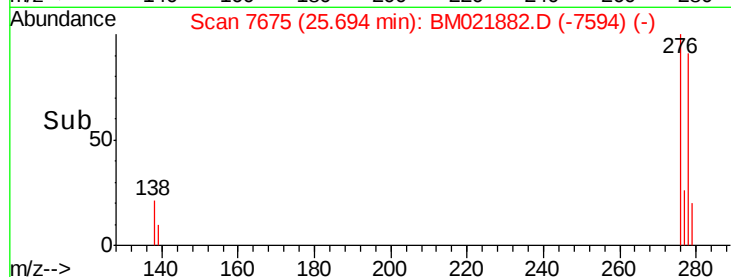
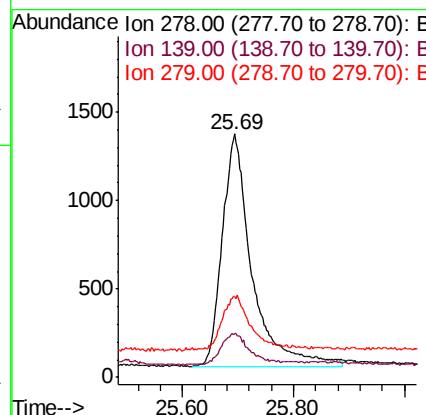
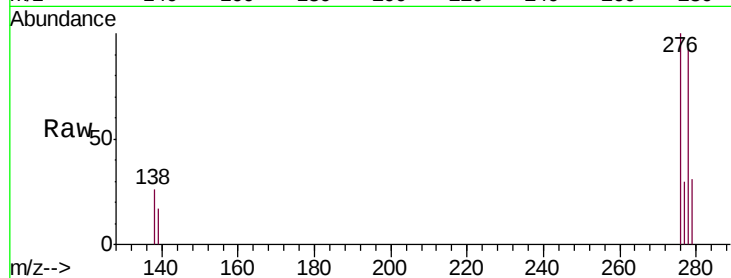




#25
Dibenzo(a,h)anthracene
Concen: 0.375 ng/ul
RT: 25.69 min Scan# 7675
Delta R.T. -0.00 min
Lab File: BM021882.D
Acq: 07 Aug 2019 05:37

Instrument :
BNA_M
ClientSampleId :
SSTD0.437

Tgt Ion: 278 Resp: 4859
Ion Ratio Lower Upper
278 100
139 18.1 14.2 21.2
279 33.5 28.3 42.5



#26
Benzo(g,h,i)perylene
Concen: 0.366 ng/ul
RT: 26.36 min Scan# 7950
Delta R.T. -0.00 min
Lab File: BM021882.D
Acq: 07 Aug 2019 05:37

Tgt Ion: 276 Resp: 5278
Ion Ratio Lower Upper
276 100
138 21.8 15.5 23.3
277 27.6 21.4 32.2

