

Data File : BM021937.D
Acq On : 08 Aug 2019 17:30
Operator : HP/JU
Sample : SSTDC00.4
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.443

Quant Time: Aug 09 01:00:15 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 : Fri Aug 09 00:56:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	856	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	3730	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	2040	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	4473	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	4264	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	4972	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	2382	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	5414	0.36	ng/ul	0.00

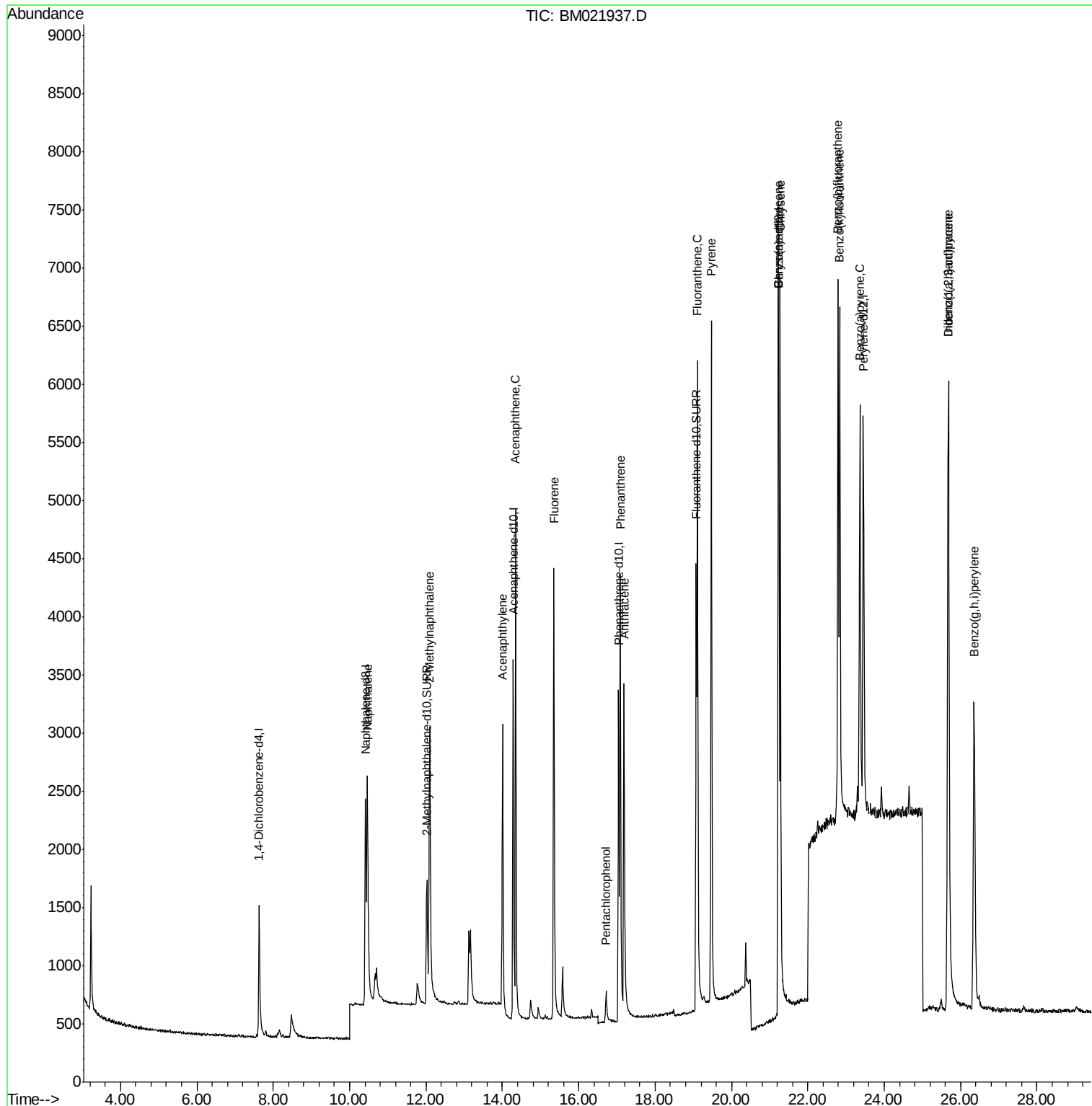
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	3842	0.365	ng/ul	98
5) 2-Methylnaphthalene	12.10	142	2675	0.381	ng/ul	99
7) Acenaphthylene	14.01	152	3533	0.371	ng/ul	98
8) Acenaphthene	14.35	153	3010	0.387	ng/ul	97
9) Fluorene	15.35	166	3137	0.363	ng/ul	96
11) Pentachlorophenol	16.71	266	328	0.397	ng/ul	91
12) Phenanthrene	17.09	178	4861	0.373	ng/ul	99
13) Anthracene	17.18	178	4383	0.395	ng/ul	98
15) Fluoranthene	19.11	202	5996	0.344	ng/ul	97
17) Pyrene	19.47	202	6341	0.362	ng/ul	96
18) Benzo(a)anthracene	21.23	228	5763	0.378	ng/ul	99
19) Chrysene	21.28	228	6757	0.344	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	6054	0.361	ng/ul	96
22) Benzo(k)fluoranthene	22.83	252	6566	0.346	ng/ul	98
23) Benzo(a)pyrene	23.36	252	6062	0.356	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.68	276	7303	0.359	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.68	278	5908	0.359	ng/ul	96
26) Benzo(g,h,i)perylene	26.36	276	6257	0.341	ng/ul	96

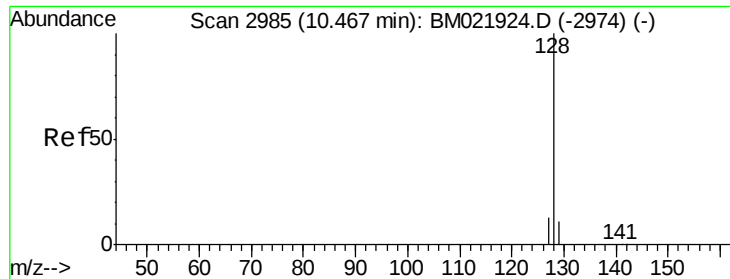
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.365 ng/ul

RT: 10.46 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BM021937.D

Acq: 08 Aug 2019 17:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

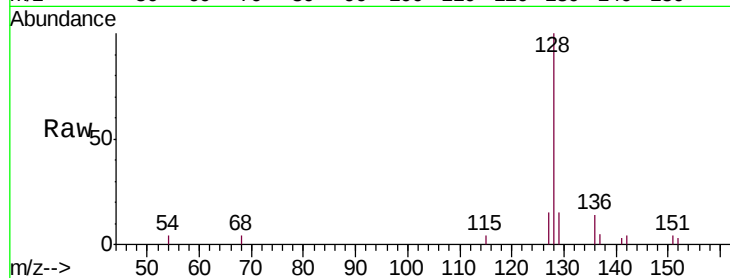
Tgt Ion:128 Resp: 3842

Ion Ratio Lower Upper

128 100

129 14.8 12.3 18.5

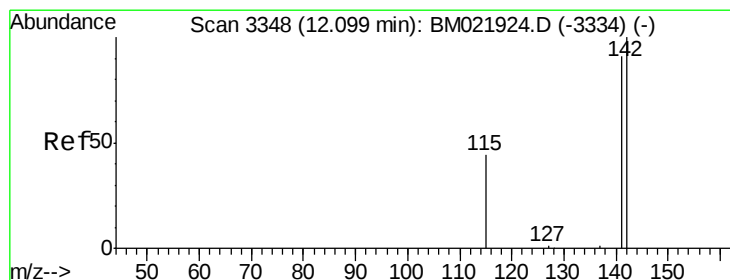
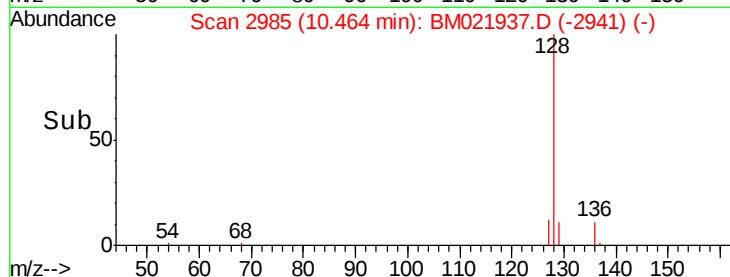
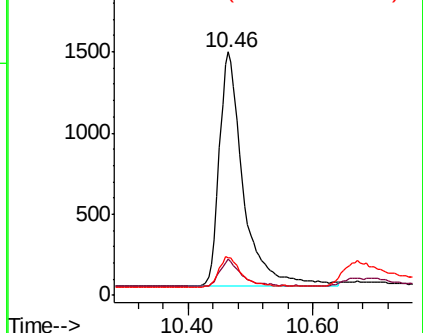
127 15.3 13.0 19.6



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: 0.381 ng/ul

RT: 12.10 min Scan# 3348

Delta R.T. -0.00 min

Lab File: BM021937.D

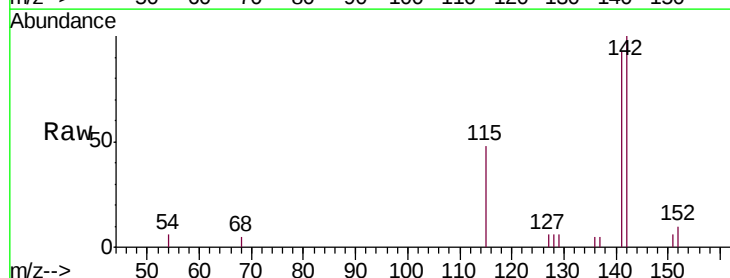
Acq: 08 Aug 2019 17:30

Tgt Ion:142 Resp: 2675

Ion Ratio Lower Upper

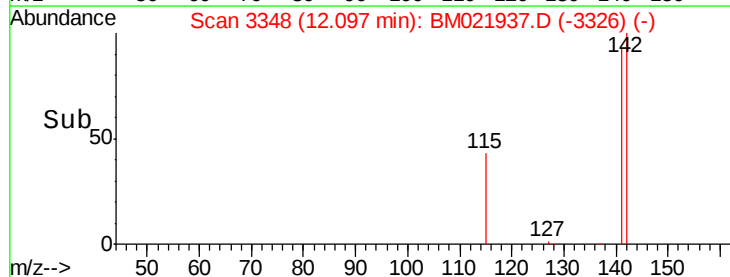
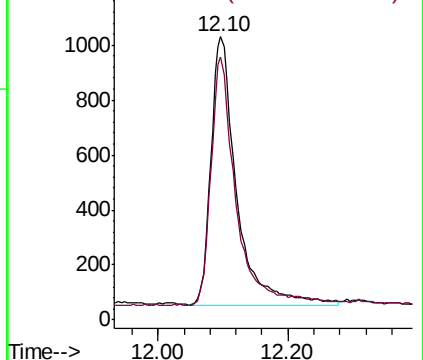
142 100

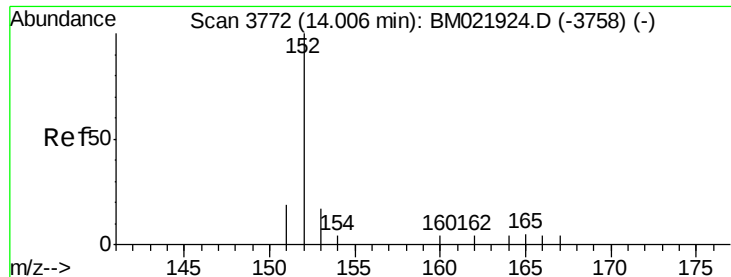
141 92.0 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.371 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. 0.00 min

Lab File: BM021937.D

Acq: 08 Aug 2019 17:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

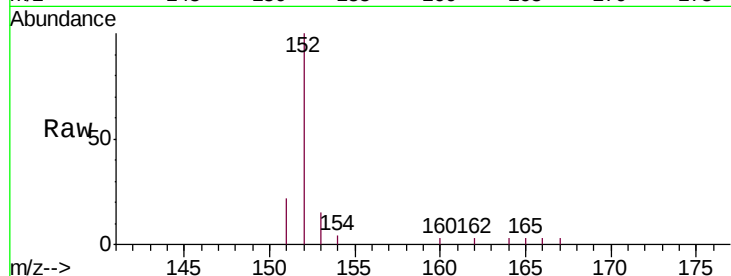
Tgt Ion:152 Resp: 3533

Ion Ratio Lower Upper

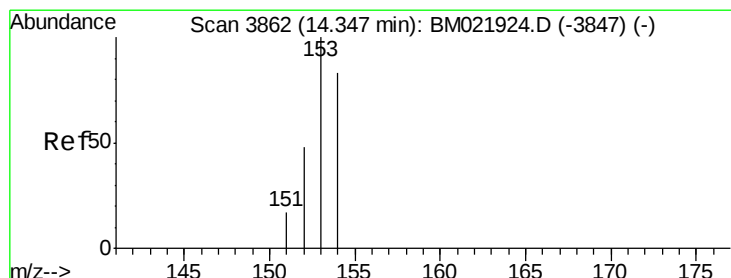
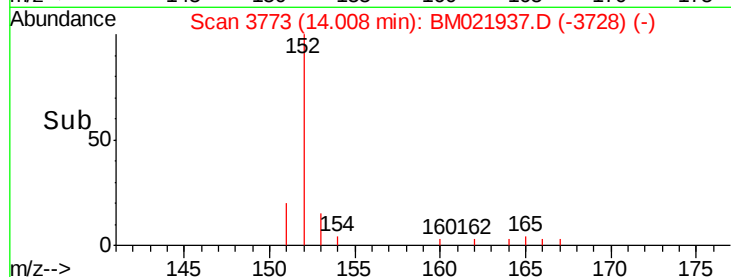
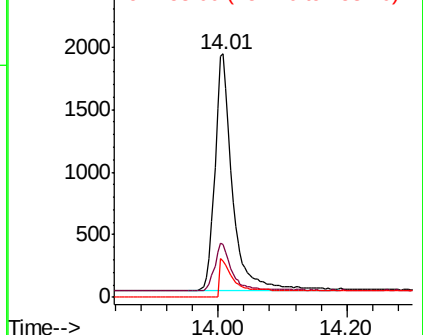
152 100

151 21.9 18.3 27.5

153 15.0 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



#8

Acenaphthene

Concen: 0.387 ng/ul

RT: 14.35 min Scan# 3862

Delta R.T. -0.00 min

Lab File: BM021937.D

Acq: 08 Aug 2019 17:30

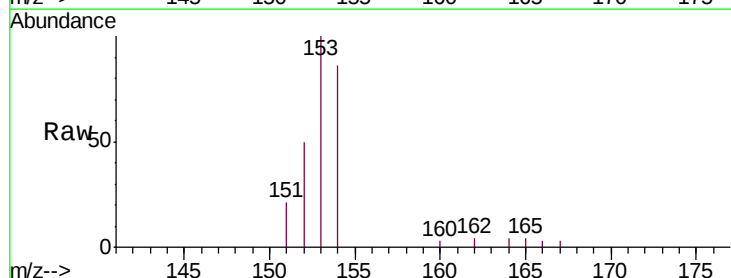
Tgt Ion:153 Resp: 3010

Ion Ratio Lower Upper

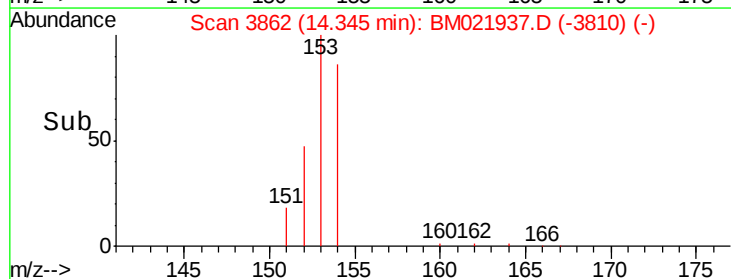
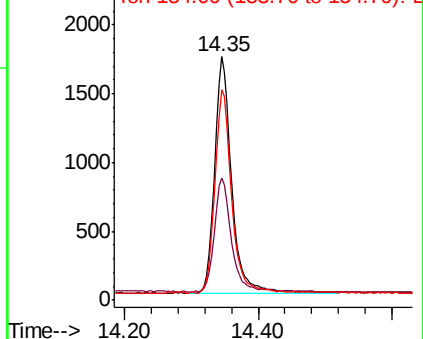
153 100

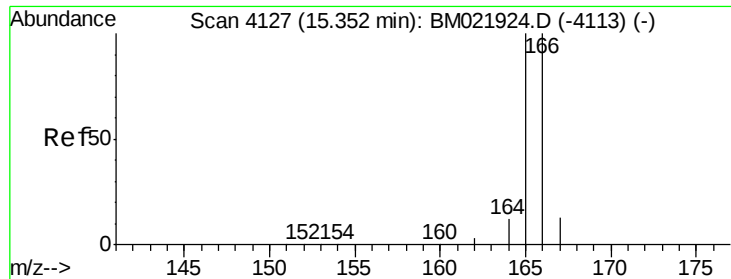
152 50.0 41.3 61.9

154 86.4 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

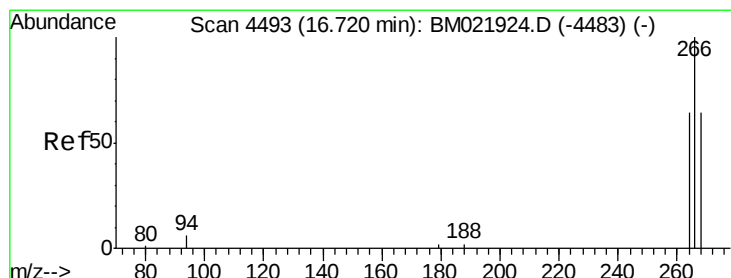
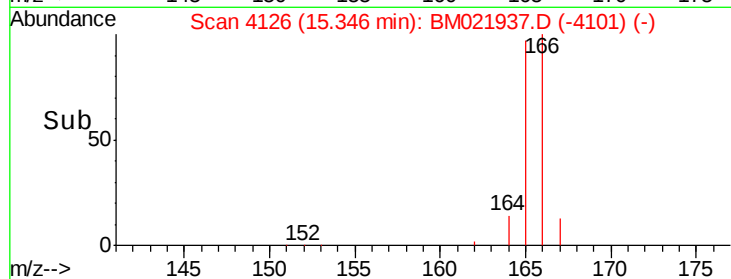
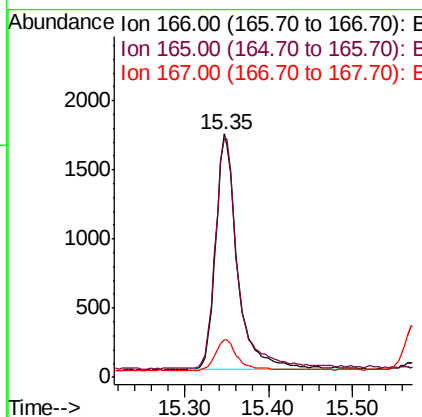
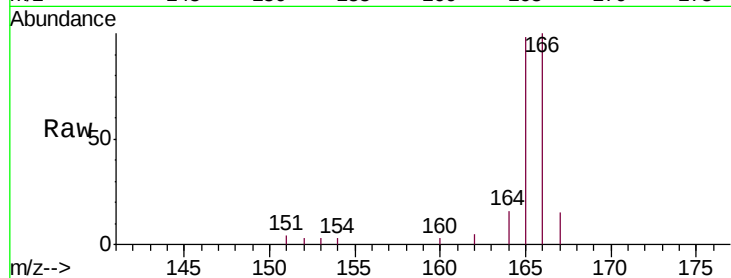




#9
Fluorene
 Concen: 0.363 ng/ul
 RT: 15.35 min Scan# 4126
 Delta R.T. -0.01 min
 Lab File: BM021937.D
 Acq: 08 Aug 2019 17:30

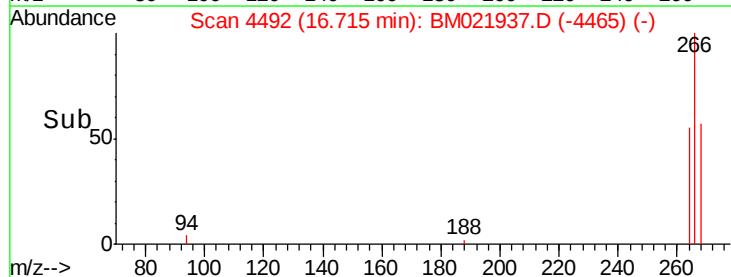
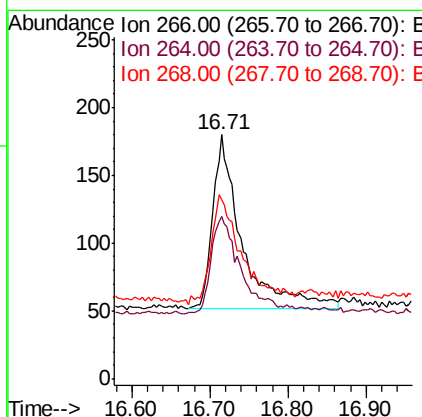
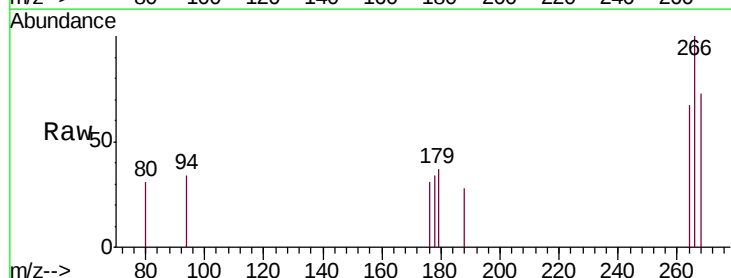
Instrument :
 BNA_M
 ClientSampleId :
 SST0.443

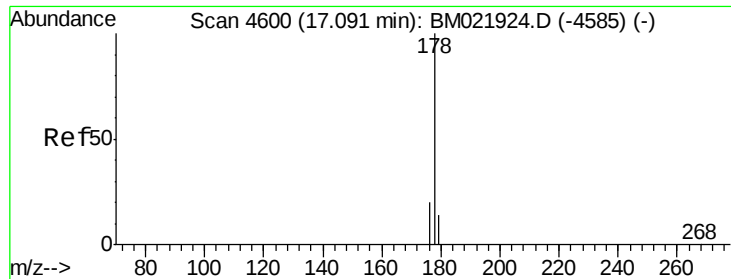
Tgt Ion:166 Resp: 3137
 Ion Ratio Lower Upper
 166 100
 165 98.1 81.4 122.0
 167 15.4 13.7 20.5



#11
Pentachlorophenol
 Concen: 0.397 ng/ul
 RT: 16.71 min Scan# 4492
 Delta R.T. -0.01 min
 Lab File: BM021937.D
 Acq: 08 Aug 2019 17:30

Tgt Ion:266 Resp: 328
 Ion Ratio Lower Upper
 266 100
 264 58.5 54.2 81.2
 268 65.9 57.6 86.4





#12

Phenanthrene

Concen: 0.373 ng/ul

RT: 17.09 min Scan# 4599

Delta R.T. -0.01 min

Lab File: BM021937.D

Acq: 08 Aug 2019 17:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

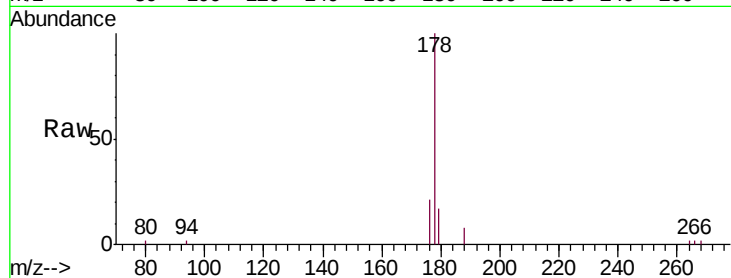
Tgt Ion:178 Resp: 4861

Ion Ratio Lower Upper

178 100

179 17.1 14.2 21.2

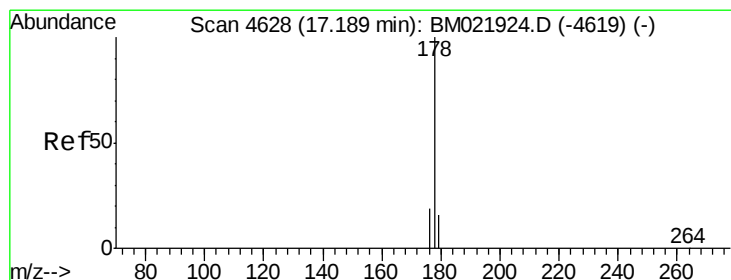
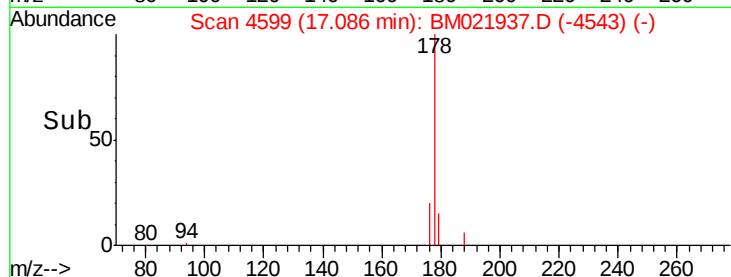
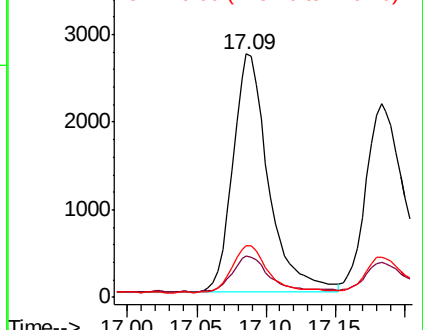
176 21.4 16.8 25.2



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: 0.395 ng/ul

RT: 17.18 min Scan# 4627

Delta R.T. -0.01 min

Lab File: BM021937.D

Acq: 08 Aug 2019 17:30

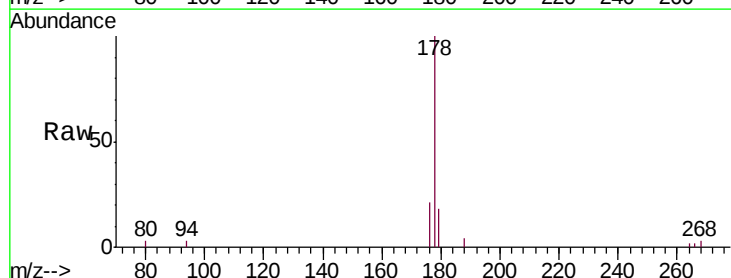
Tgt Ion:178 Resp: 4383

Ion Ratio Lower Upper

178 100

179 17.9 15.5 23.3

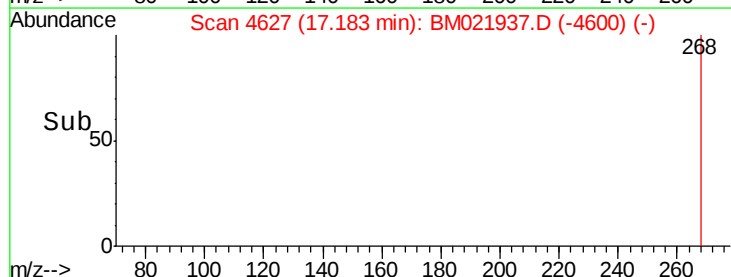
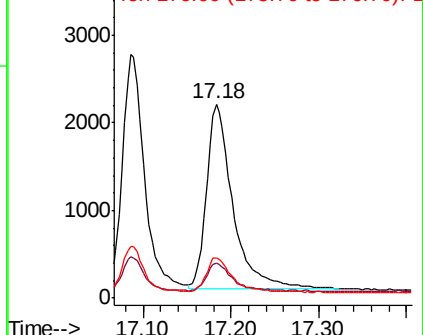
176 20.6 16.6 25.0

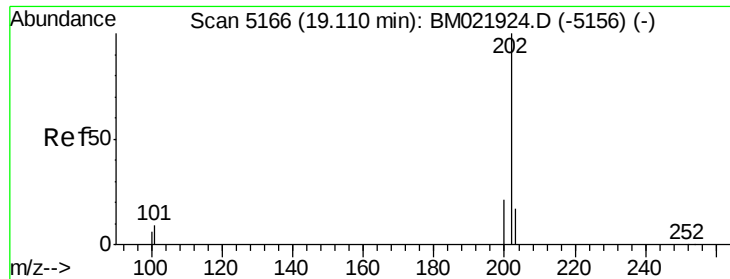


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

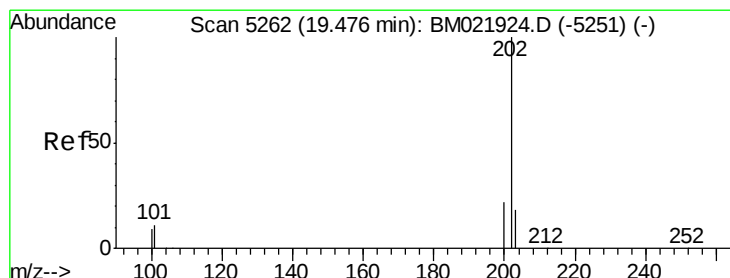
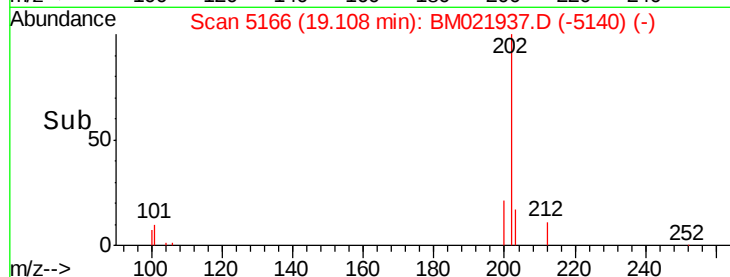
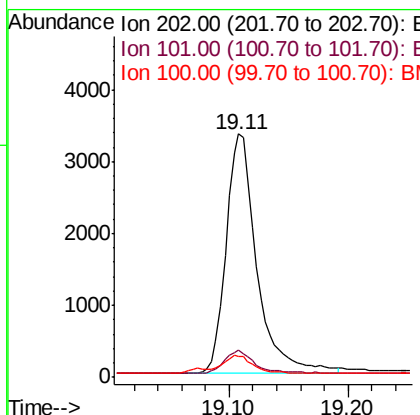
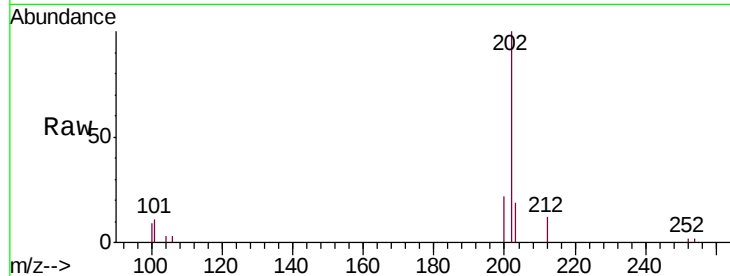




#15
Fluoranthene
 Concen: 0.344 ng/ul
 RT: 19.11 min Scan# 5166
 Delta R.T. -0.00 min
 Lab File: BM021937.D
 Acq: 08 Aug 2019 17:30

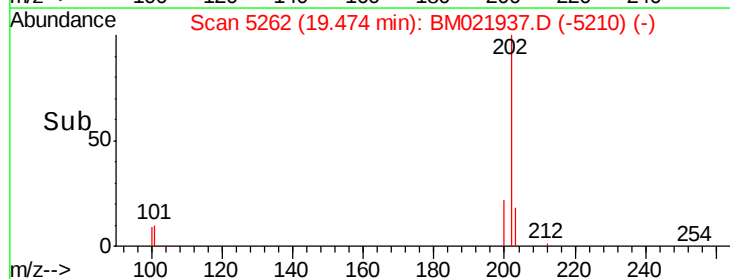
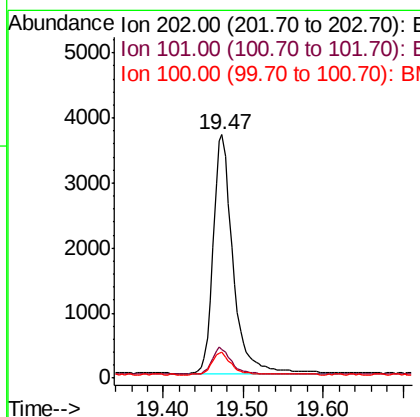
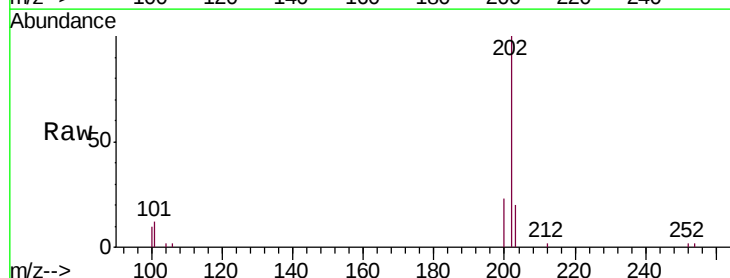
Instrument :
 BNA_M
 ClientSampleId :
 SST0.443

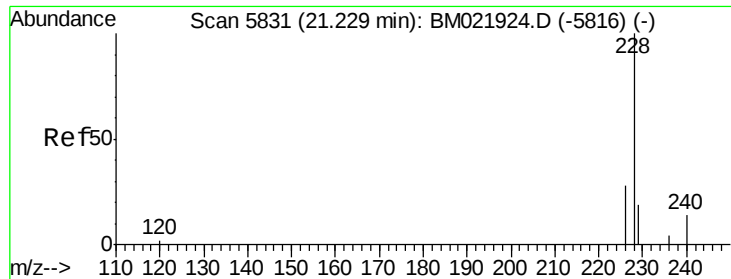
Tgt Ion:202 Resp: 5996
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 30.2
 100 8.8 0.0 28.1



#17
Pyrene
 Concen: 0.362 ng/ul
 RT: 19.47 min Scan# 5262
 Delta R.T. -0.00 min
 Lab File: BM021937.D
 Acq: 08 Aug 2019 17:30

Tgt Ion:202 Resp: 6341
 Ion Ratio Lower Upper
 202 100
 101 11.7 8.3 12.5
 100 10.5 7.2 10.8





#18

Benzo(a)anthracene

Concen: 0.378 ng/ul

RT: 21.23 min Scan# 5831

Delta R.T. -0.00 min

Lab File: BM021937.D

Acq: 08 Aug 2019 17:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

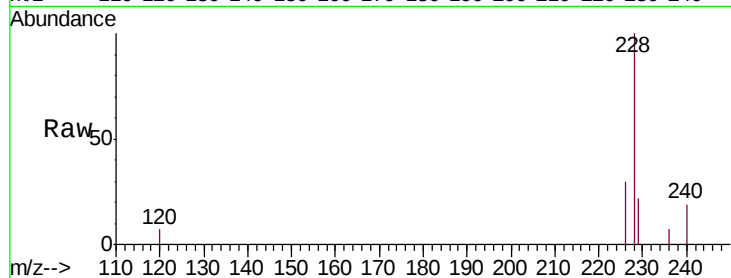
Tgt Ion:228 Resp: 5763

Ion Ratio Lower Upper

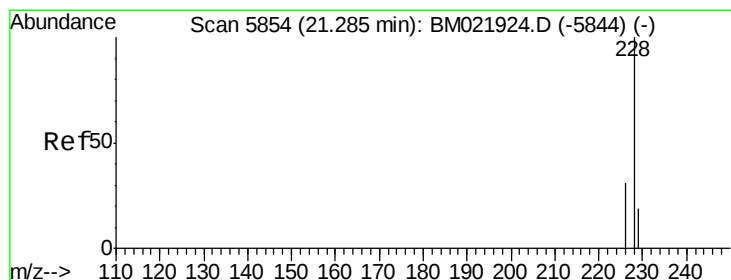
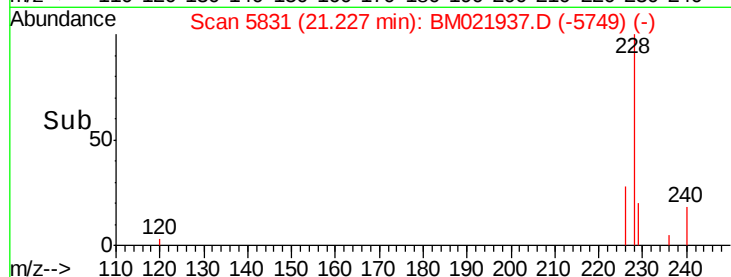
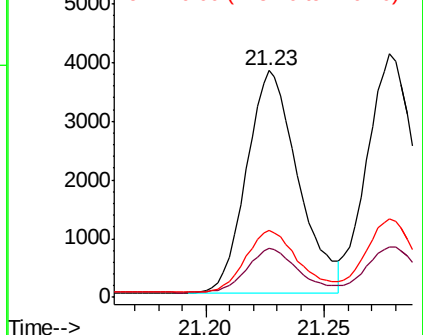
228 100

229 21.5 17.2 25.8

226 29.7 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: 0.344 ng/ul

RT: 21.28 min Scan# 5852

Delta R.T. -0.01 min

Lab File: BM021937.D

Acq: 08 Aug 2019 17:30

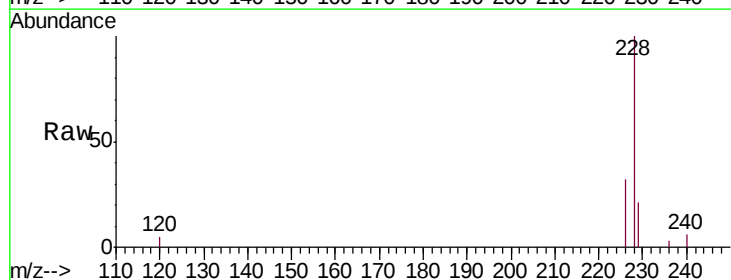
Tgt Ion:228 Resp: 6757

Ion Ratio Lower Upper

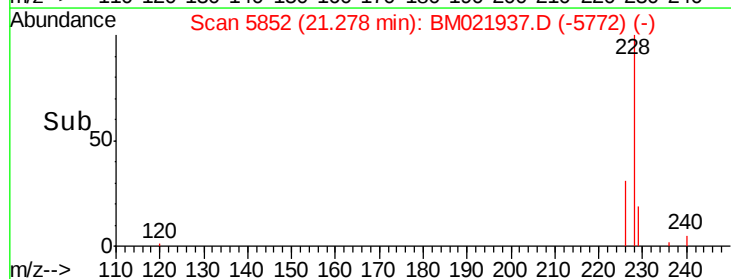
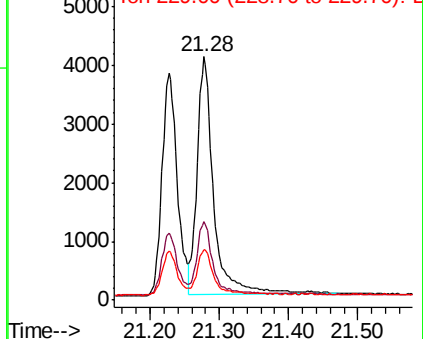
228 100

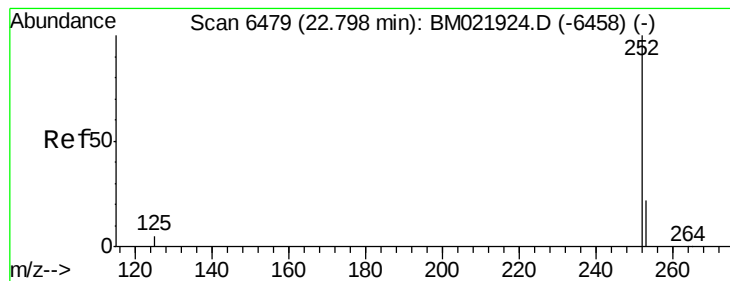
226 32.1 24.9 37.3

229 20.8 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: 0.361 ng/u1

RT: 22.79 min Scan# 6477

Delta R.T. -0.01 min

Lab File: BM021937.D

Acq: 08 Aug 2019 17:30

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ClientSampleId :

SSTD0.443

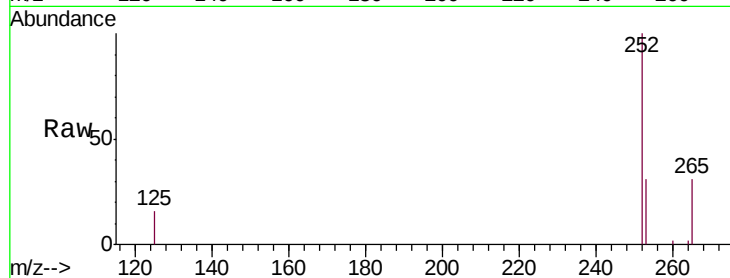
Tgt Ion:252 Resp: 6054

Ion Ratio Lower Upper

252 100

253 30.7 0.0 67.4

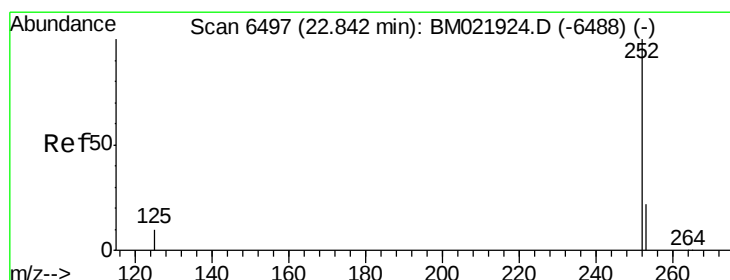
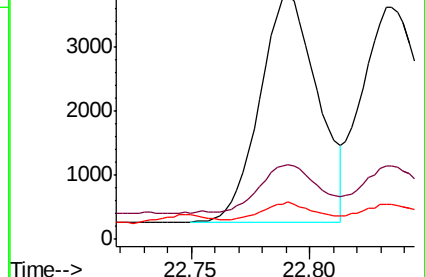
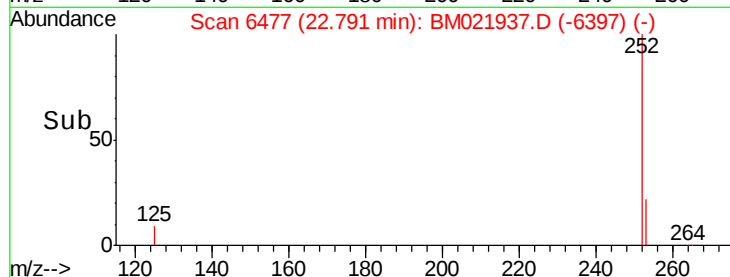
125 15.6 0.0 31.0



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: 0.346 ng/u1

RT: 22.83 min Scan# 6495

Delta R.T. -0.01 min

Lab File: BM021937.D

Acq: 08 Aug 2019 17:30

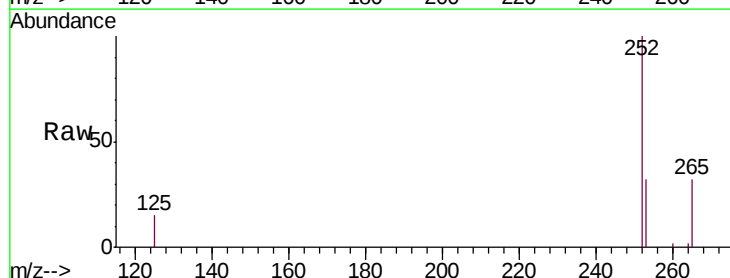
Tgt Ion:252 Resp: 6566

Ion Ratio Lower Upper

252 100

253 31.8 27.0 40.4

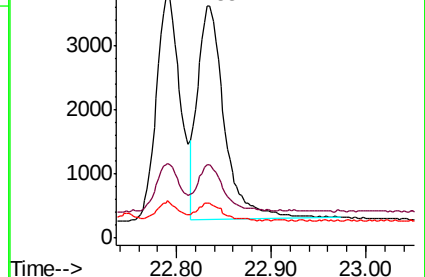
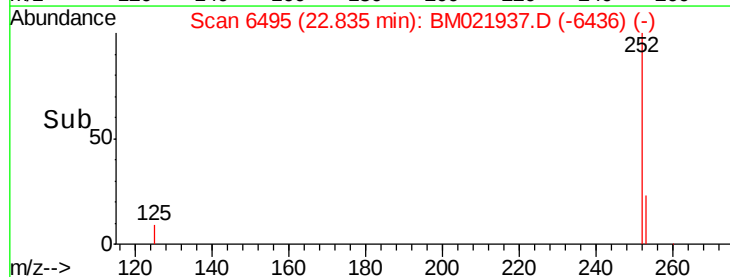
125 15.2 12.2 18.2

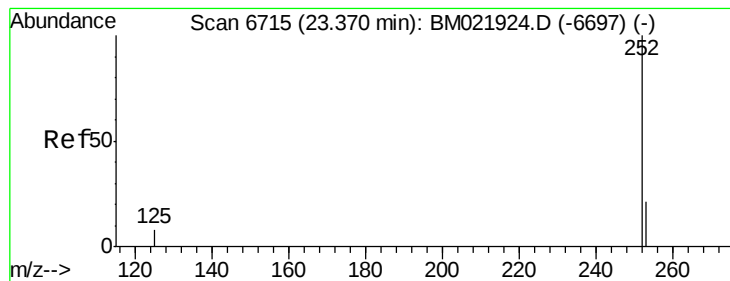


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.356 ng/u1

RT: 23.36 min Scan# 6712

Delta R.T. -0.01 min

Lab File: BM021937.D

Acq: 08 Aug 2019 17:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

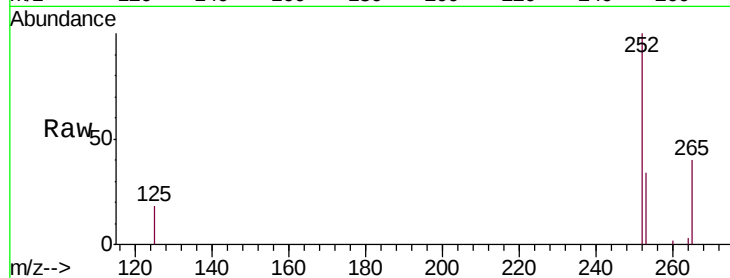
Tgt Ion:252 Resp: 6062

Ion Ratio Lower Upper

252 100

253 33.8 31.7 47.5

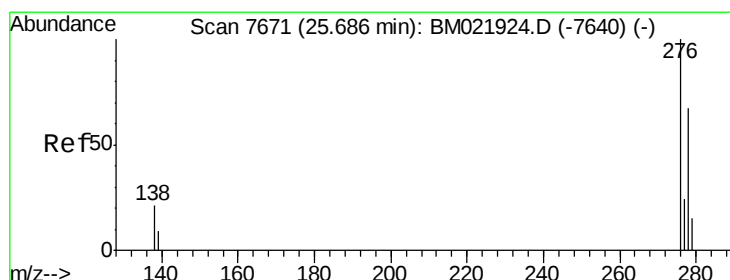
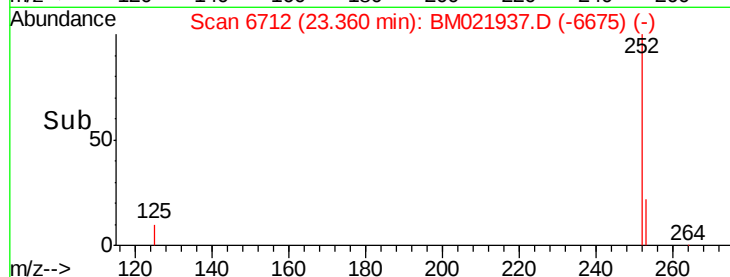
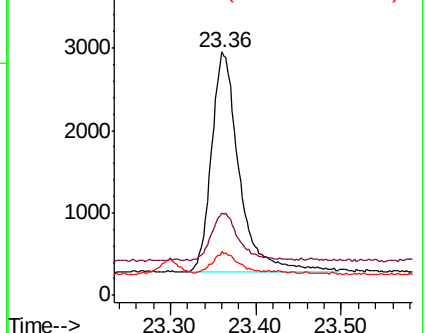
125 17.8 14.6 21.8



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: 0.359 ng/u1

RT: 25.68 min Scan# 7668

Delta R.T. -0.01 min

Lab File: BM021937.D

Acq: 08 Aug 2019 17:30

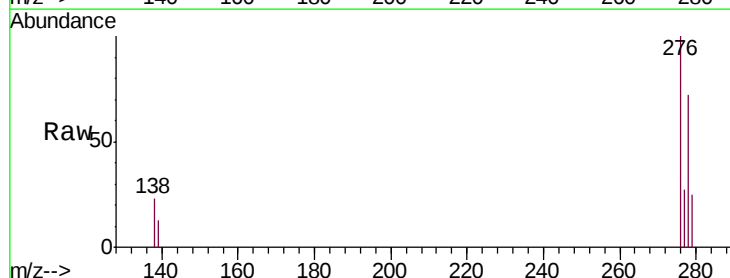
Tgt Ion:276 Resp: 7303

Ion Ratio Lower Upper

276 100

138 20.4 15.1 22.7

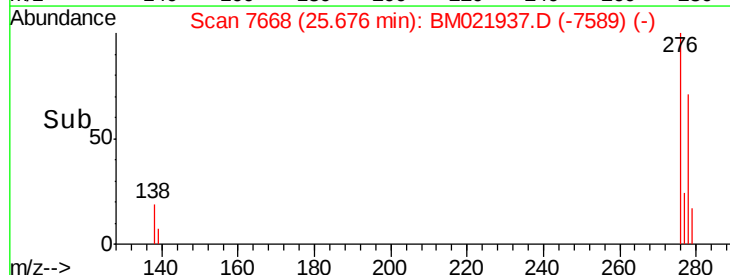
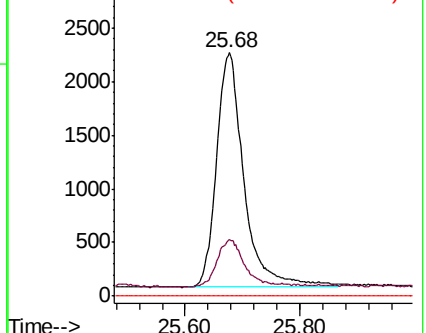
227 0.0 0.0 0.0

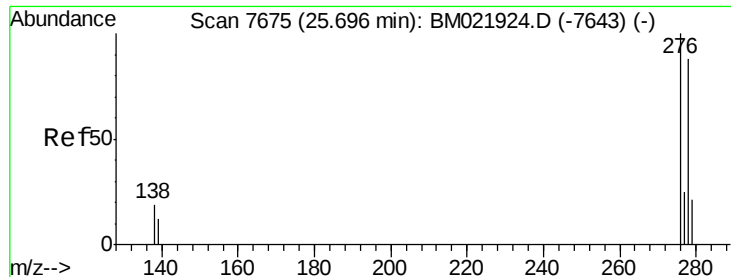


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

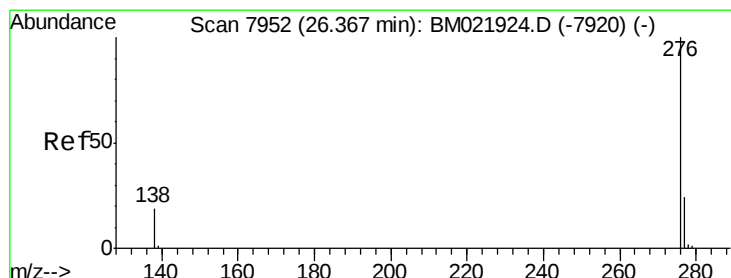
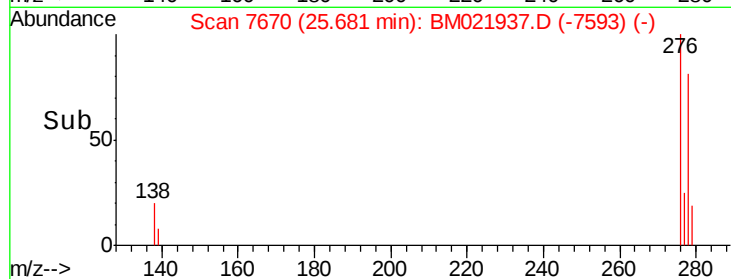
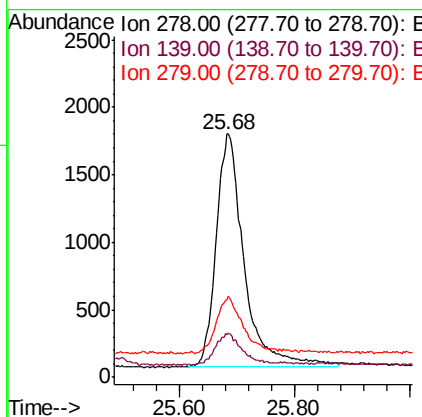
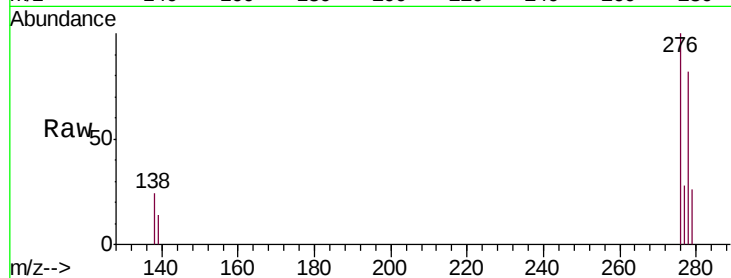




#25
Dibenzo(a,h)anthracene
Concen: 0.359 ng/ul
RT: 25.68 min Scan# 7670
Delta R.T. -0.01 min
Lab File: BM021937.D
Acq: 08 Aug 2019 17:30

Instrument :
BNA_M
ClientSampleId :
SSTD0.443

Tgt Ion: 278 Resp: 5908
Ion Ratio Lower Upper
278 100
139 17.3 14.2 21.2
279 31.9 28.3 42.5



#26
Benzo(g,h,i)perylene
Concen: 0.341 ng/ul
RT: 26.36 min Scan# 7949
Delta R.T. -0.01 min
Lab File: BM021937.D
Acq: 08 Aug 2019 17:30

Tgt Ion: 276 Resp: 6257
Ion Ratio Lower Upper
276 100
138 22.0 15.5 23.3
277 27.9 21.4 32.2

