

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110520\
 Data File : BM027702.D
 Acq On : 05 Nov 2020 02:34
 Operator : JU/CG
 Sample : SST0.405
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

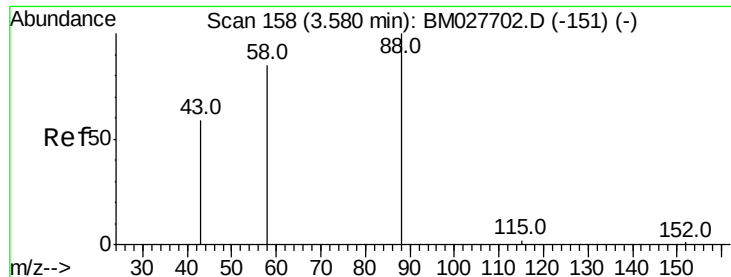
Instrument :
 BNA_M
 ClientSampleId :
 SST0.4053

Quant Time: Nov 05 03:58:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM110520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 05 03:44:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	394	0.40	ng/ul	0.00
4) Naphthalene-d8	11.24	136	1350	0.40	ng/ul	0.00
9) Acenaphthene-d10	15.01	164	842	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.72	188	1838	0.40	ng/ul	0.00
19) Chrysene-d12	21.82	240	1564	0.40	ng/ul	0.00
23) Perylene-d12	24.26	264	1376	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	164	0.20	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.80	152	936	0.43	ng/ul	0.00
17) Fluoranthene-d10	19.71	212	2052	0.42	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.58	88	175	0.319	ng/ul	100
5) Naphthalene	11.29	128	1603	0.427	ng/ul	100
7) 2-Methylnaphthalene	12.87	142	1105	0.437	ng/ul	100
8) 1-Methylnaphthalene	13.09	142	1036	0.431	ng/ul	100
10) Acenaphthylene	14.74	152	1559	0.403	ng/ul	100
11) Acenaphthene	15.07	153	1197	0.415	ng/ul	100
12) Fluorene	16.04	166	1416	0.422	ng/ul	100
14) Pentachlorophenol	17.37	266	252	0.425	ng/ul	100
15) Phenanthrene	17.76	178	2274	0.417	ng/ul	100
16) Anthracene	17.85	178	2202	0.419	ng/ul	100
18) Fluoranthene	19.74	202	2592	0.413	ng/ul	100
20) Pyrene	20.09	202	2607	0.408	ng/ul	100
21) Benzo(a)anthracene	21.80	228	2416	0.418	ng/ul	100
22) Chrysene	21.86	228	2497	0.416	ng/ul	100
24) Benzo(b)fluoranthene	23.52	252	2389	0.421	ng/ul	100
25) Benzo(k)fluoranthene	23.57	252	2335	0.413	ng/ul	100
26) Benzo(a)pyrene	24.16	252	2110	0.420	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	26.80	276	2455	0.422	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.82	278	2053	0.423	ng/ul	100
29) Benzo(a,h,i)perylene	27.59	276	2062	0.413	ng/ul	100

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

```
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Sample    : SSTD0.405  
Misc      :  
ALS Vial  : 4      Sample Multiplier: 1
```



#2

1,4-Dioxane

Concen: 0.319 ng/ul

RT: 3.58 min Scan# 158

Delta R.T. 0.00 min

Lab File: BM027702.D

Acq: 05 Nov 2020 02:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.4053

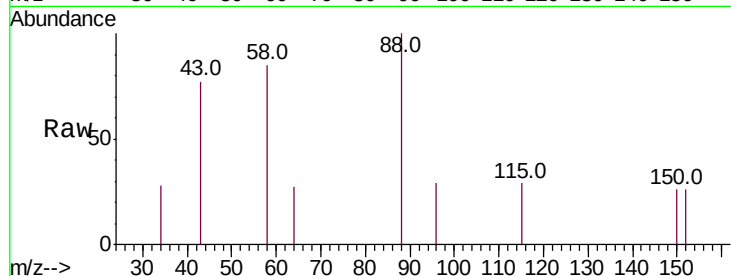
Tot Ion: 88 Resp: 175

Ion Ratio Lower Upper

88 100

43 77.2 61.8 92.6

58 84.8 67.8 101.8

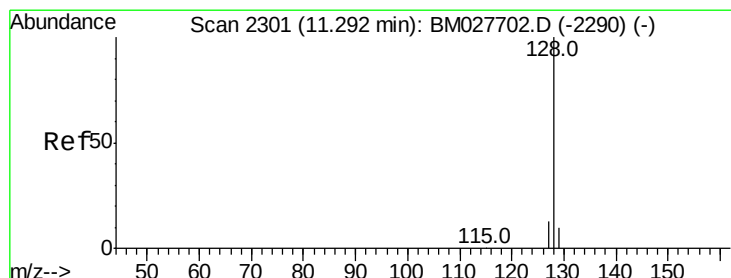
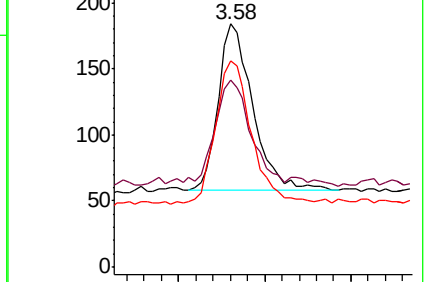
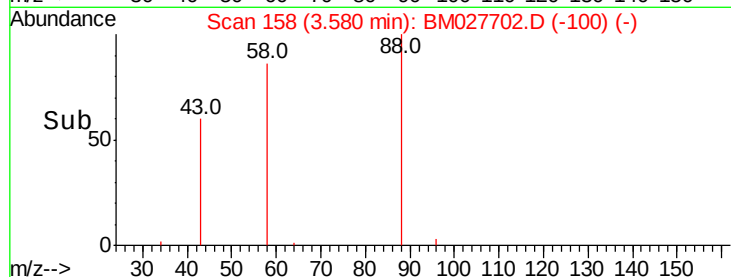


Abundance Ion 88.00 (87.70 to 88.70): BM027702.D (-151) (-)

Ion 43.00 (42.70 to 43.70): BM027702.D (-151) (-)

Ion 58.00 (57.70 to 58.70): BM027702.D (-151) (-)

Time-->



#5

Naphthalene

Concen: 0.427 ng/ul

RT: 11.29 min Scan# 2301

Delta R.T. 0.00 min

Lab File: BM027702.D

Acq: 05 Nov 2020 02:34

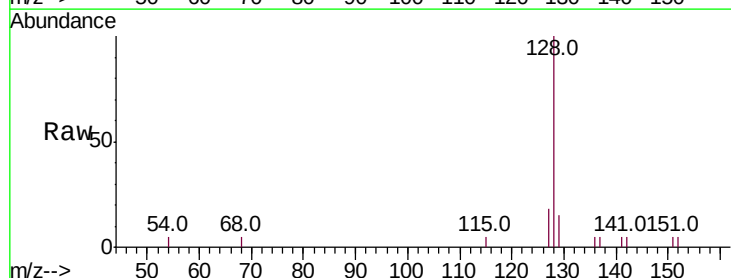
Tgt Ion: 128 Resp: 1603

Ion Ratio Lower Upper

128 100

129 14.6 11.7 17.5

127 17.5 14.0 21.0

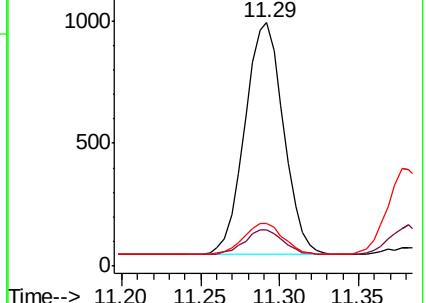
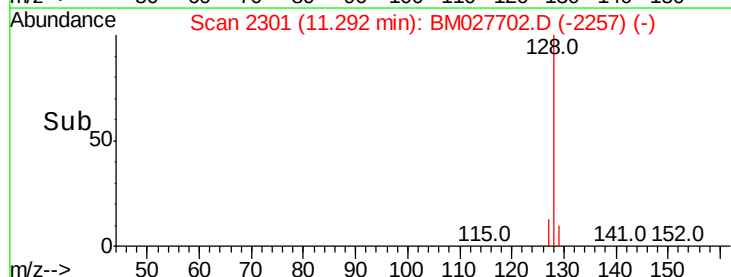


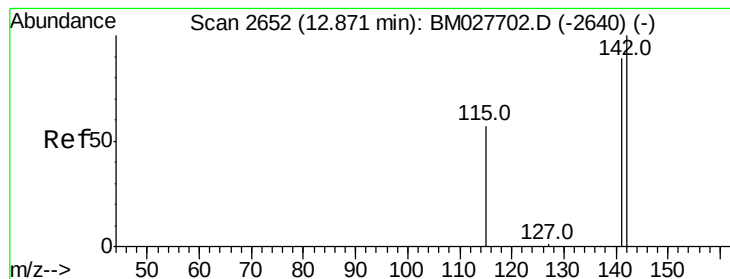
Abundance Ion 128.00 (127.70 to 128.70): BM027702.D (-2290) (-)

Ion 129.00 (128.70 to 129.70): BM027702.D (-2290) (-)

Ion 127.00 (126.70 to 127.70): BM027702.D (-2290) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.437 ng/ul

RT: 12.87 min Scan# 2652

Delta R.T. 0.00 min

Lab File: BM027702.D

Acq: 05 Nov 2020 02:34

Instrument :

BNA_M

ClientSampleId :

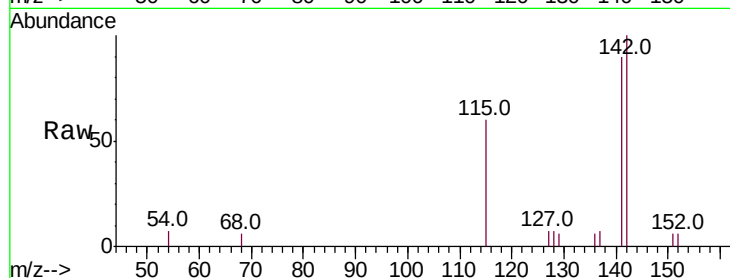
SSTD0.4053

Tot Ion:142 Resp: 1105

Ion Ratio Lower Upper

142 100

141 89.0 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.87

800

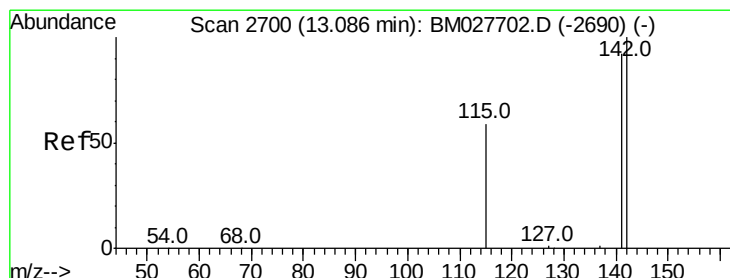
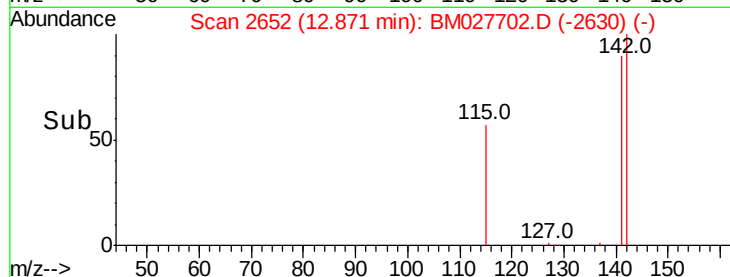
600

400

200

0

Time-->



#8

1-Methylnaphthalene

Concen: 0.431 ng/ul

RT: 13.09 min Scan# 2700

Delta R.T. 0.00 min

Lab File: BM027702.D

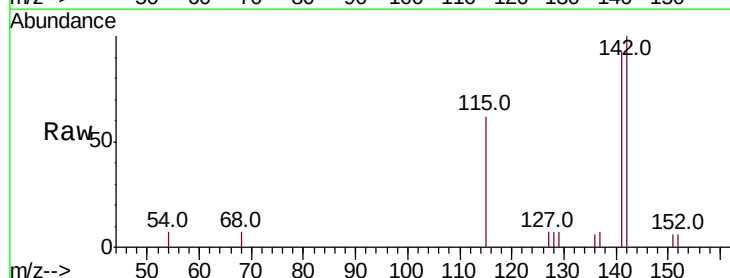
Acq: 05 Nov 2020 02:34

Tgt Ion:142 Resp: 1036

Ion Ratio Lower Upper

142 100

141 92.6 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

13.09

800

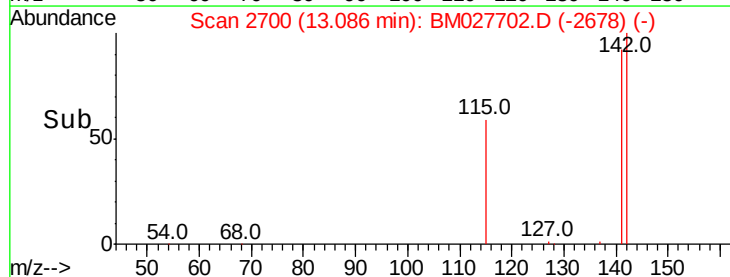
600

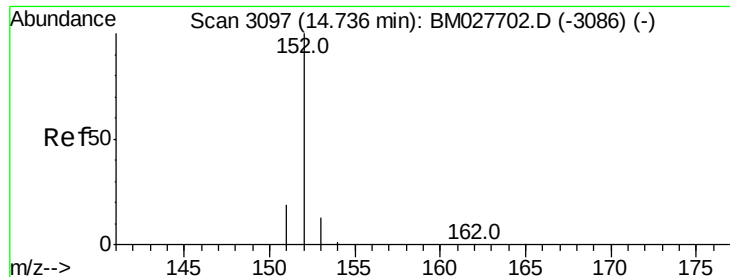
400

200

0

Time-->





#10

Acenaphthylene

Concen: 0.403 ng/ul

RT: 14.74 min Scan# 3097

Delta R.T. 0.00 min

Lab File: BM027702.D

Acq: 05 Nov 2020 02:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.4053

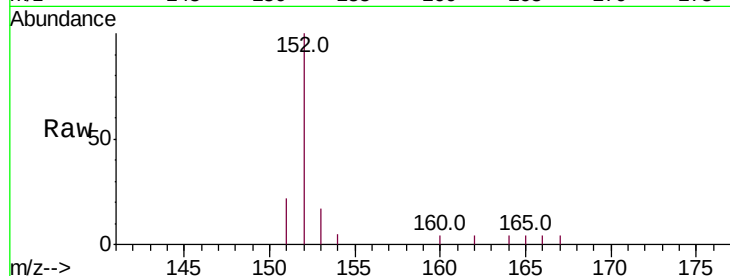
Tot Ion:152 Resp: 1559

Ion Ratio Lower Upper

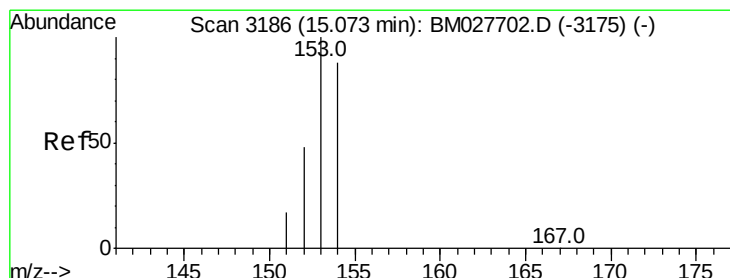
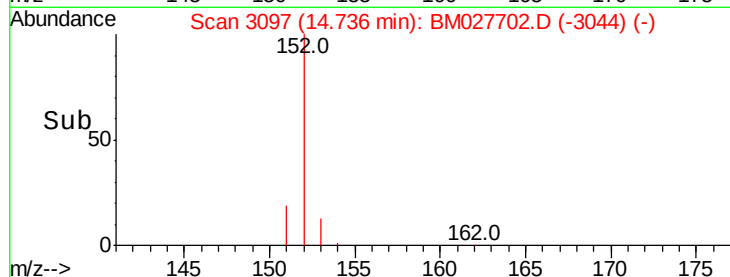
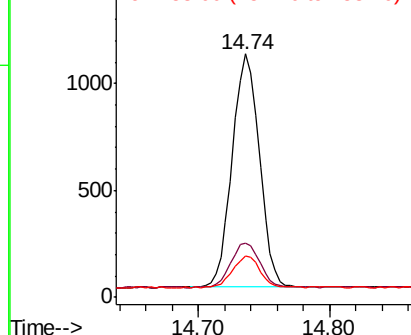
152 100

151 22.3 17.8 26.8

153 16.9 13.5 20.3



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



#11

Acenaphthene

Concen: 0.415 ng/ul

RT: 15.07 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BM027702.D

Acq: 05 Nov 2020 02:34

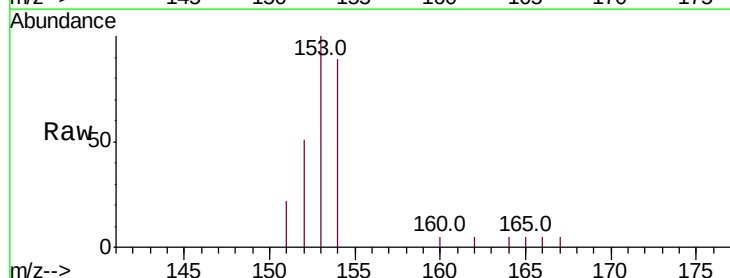
Tgt Ion:153 Resp: 1197

Ion Ratio Lower Upper

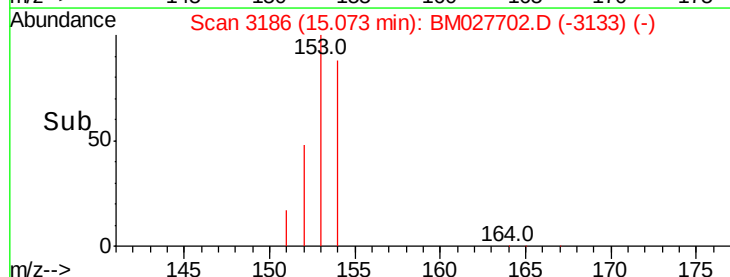
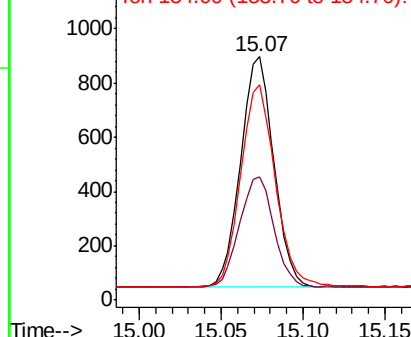
153 100

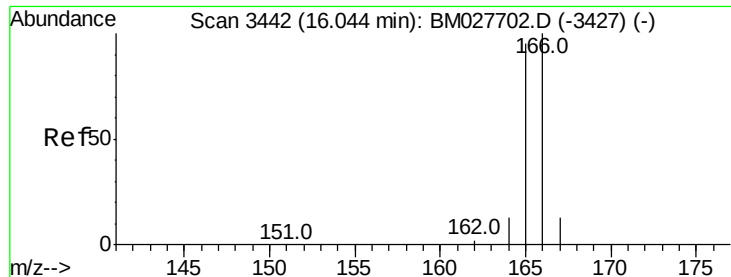
152 50.7 40.6 60.8

154 88.7 71.0 106.4



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





#12

Fluorene

Concen: 0.422 ng/ul

RT: 16.04 min Scan# 3442

Delta R.T. 0.00 min

Lab File: BM027702.D

Acq: 05 Nov 2020 02:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.4053

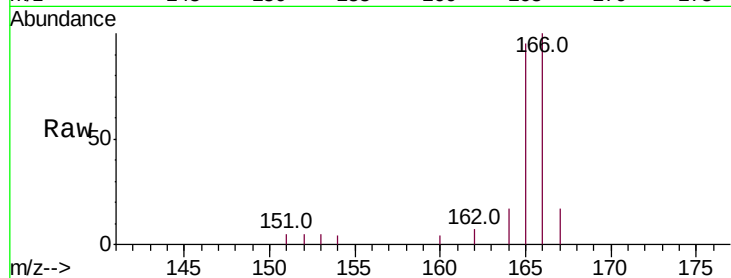
Tot Ion:166 Resp: 1416

Ion Ratio Lower Upper

166 100

165 95.3 76.2 114.4

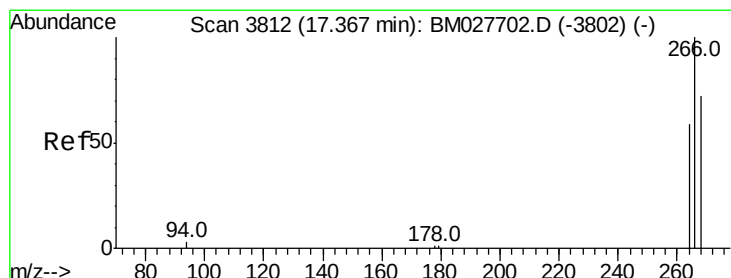
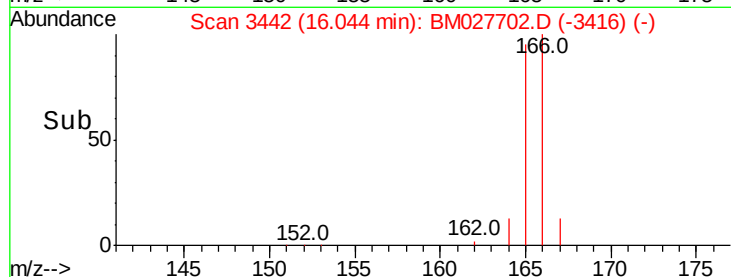
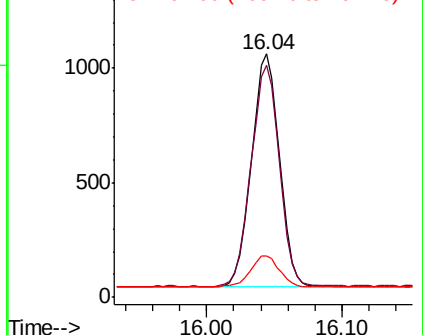
167 17.1 13.7 20.5



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#14

Pentachlorophenol

Concen: 0.425 ng/ul

RT: 17.37 min Scan# 3812

Delta R.T. 0.00 min

Lab File: BM027702.D

Acq: 05 Nov 2020 02:34

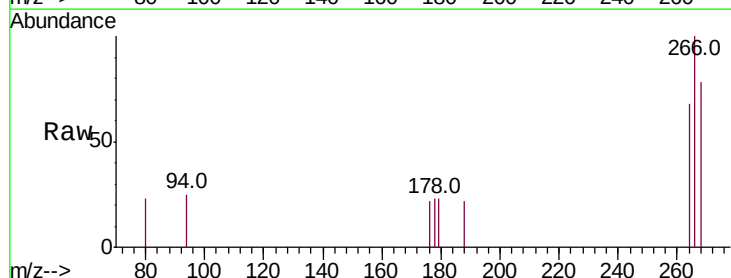
Tgt Ion:266 Resp: 252

Ion Ratio Lower Upper

266 100

264 60.3 48.2 72.4

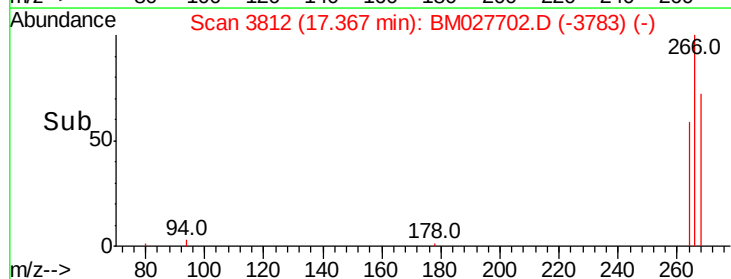
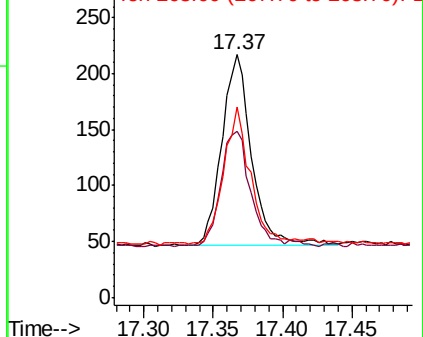
268 66.7 53.4 80.0

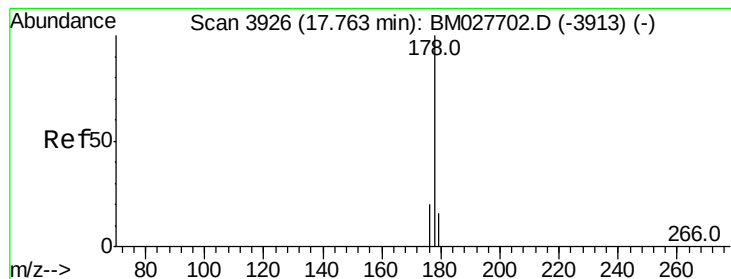


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.417 ng/ul

RT: 17.76 min Scan# 3926

Delta R.T. 0.00 min

Lab File: BM027702.D

Acq: 05 Nov 2020 02:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.4053

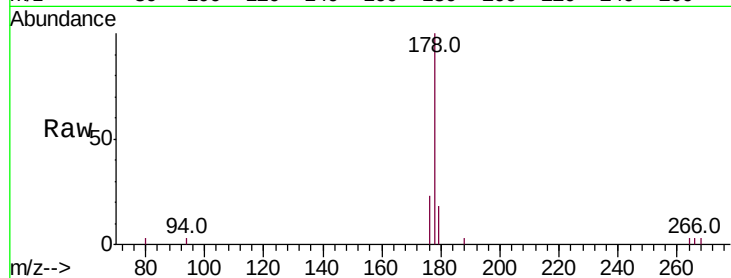
Tot Ion:178 Resp: 2274

Ion Ratio Lower Upper

178 100

179 18.3 14.6 22.0

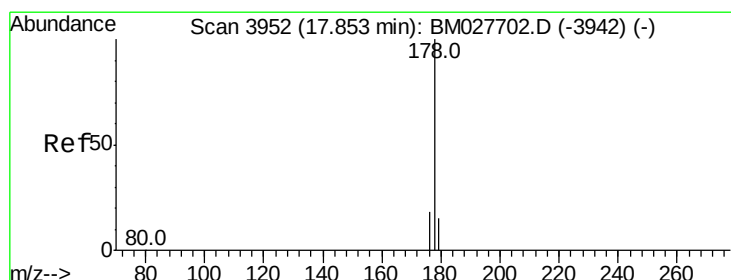
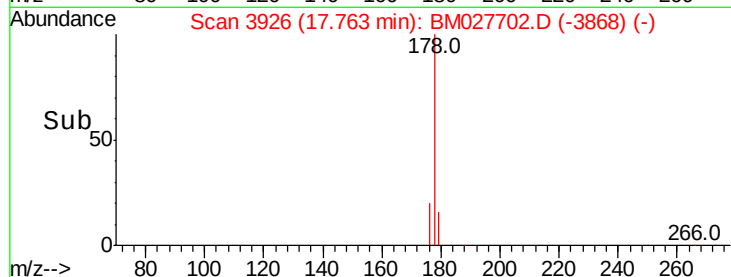
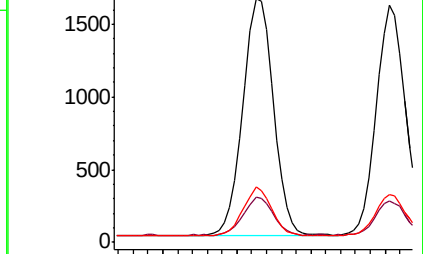
176 22.7 18.2 27.2



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



#16

Anthracene

Concen: 0.419 ng/ul

RT: 17.85 min Scan# 3952

Delta R.T. 0.00 min

Lab File: BM027702.D

Acq: 05 Nov 2020 02:34

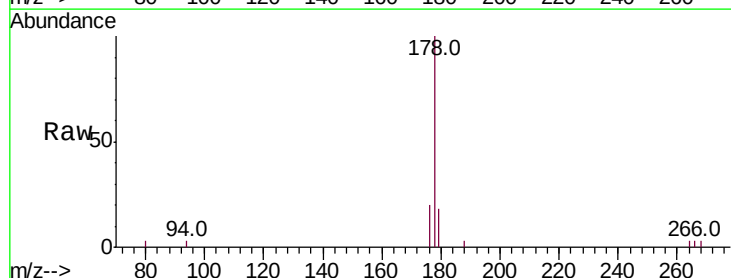
Tgt Ion:178 Resp: 2202

Ion Ratio Lower Upper

178 100

179 17.6 14.1 21.1

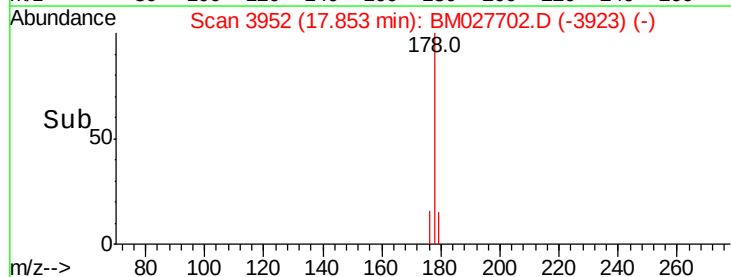
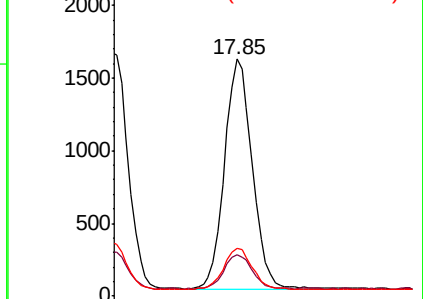
176 20.4 16.3 24.5

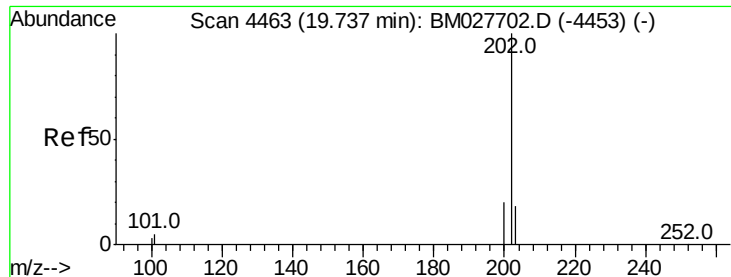


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

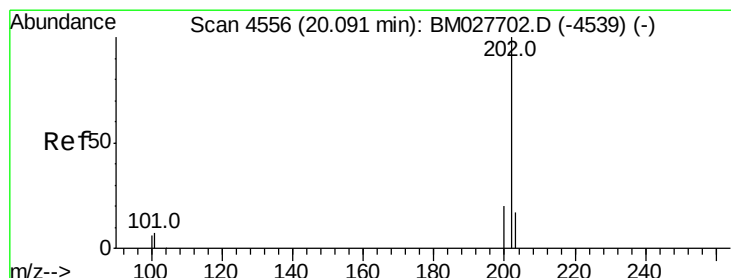
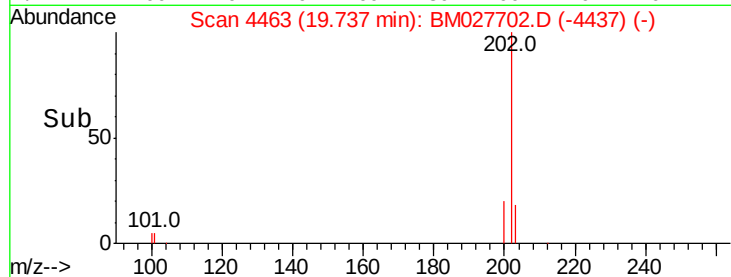
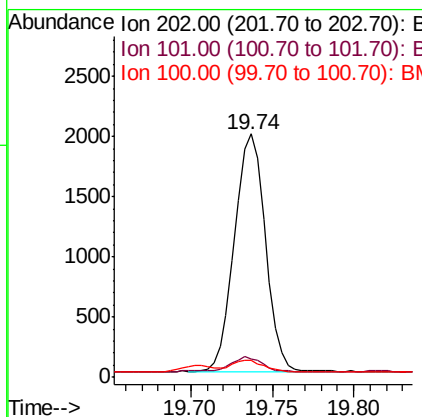
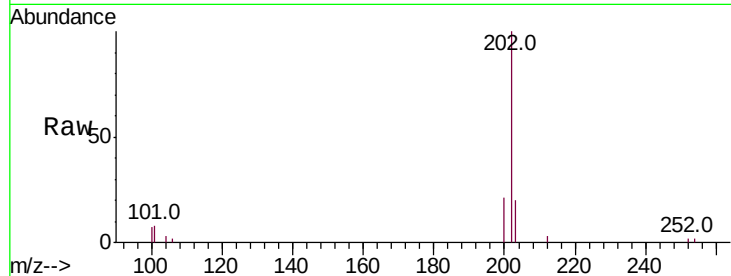




#18
 Fluoranthene
 Concen: 0.413 ng/ul
 RT: 19.74 min Scan# 4463
 Delta R.T. 0.00 min
 Lab File: BM027702.D
 Acq: 05 Nov 2020 02:34

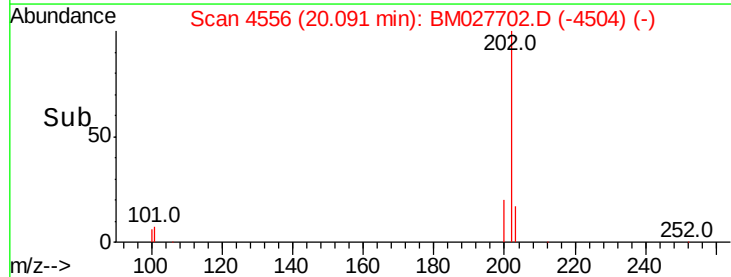
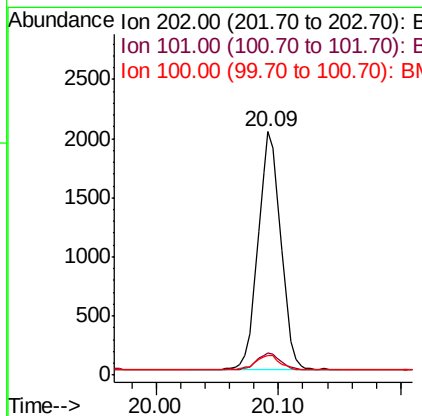
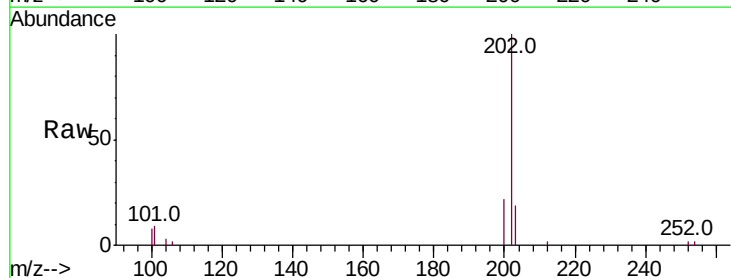
Instrument :
 BNA_M
 ClientSampleId :
 SST0.4053

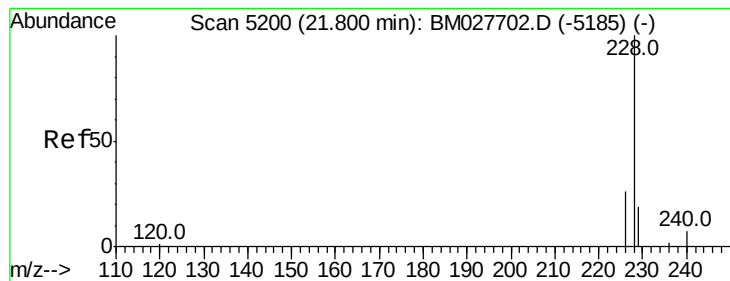
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.1	9.1
100	7.2	5.8	8.6



#20
 Pyrene
 Concen: 0.408 ng/ul
 RT: 20.09 min Scan# 4556
 Delta R.T. 0.00 min
 Lab File: BM027702.D
 Acq: 05 Nov 2020 02:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.4	11.0
100	8.2	6.6	9.8





#21

Benzo(a)anthracene

Concen: 0.418 ng/ul

RT: 21.80 min Scan# 5200

Delta R.T. 0.00 min

Lab File: BM027702.D

Acq: 05 Nov 2020 02:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.4053

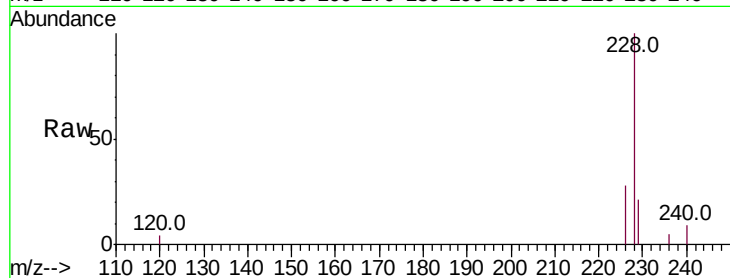
Tot Ion:228 Resp: 2416

Ion Ratio Lower Upper

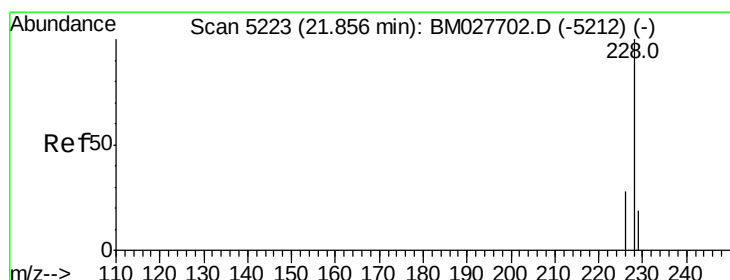
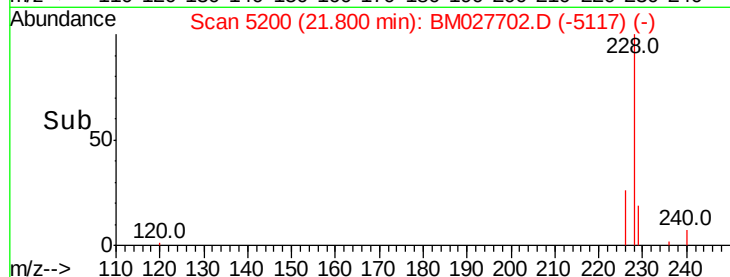
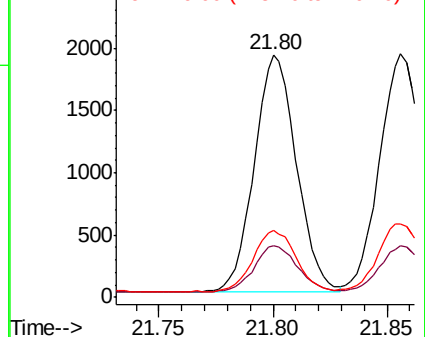
228 100

229 21.2 17.0 25.4

226 27.5 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



#22

Chrysene

Concen: 0.416 ng/ul

RT: 21.86 min Scan# 5223

Delta R.T. 0.00 min

Lab File: BM027702.D

Acq: 05 Nov 2020 02:34

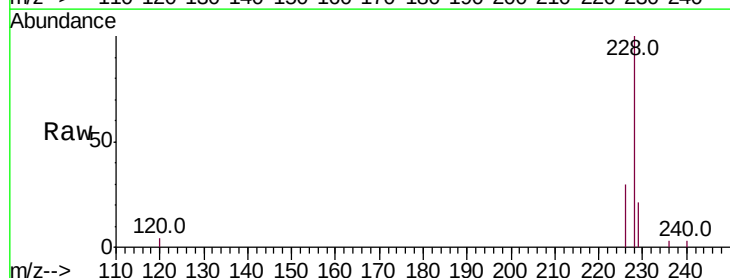
Tgt Ion:228 Resp: 2497

Ion Ratio Lower Upper

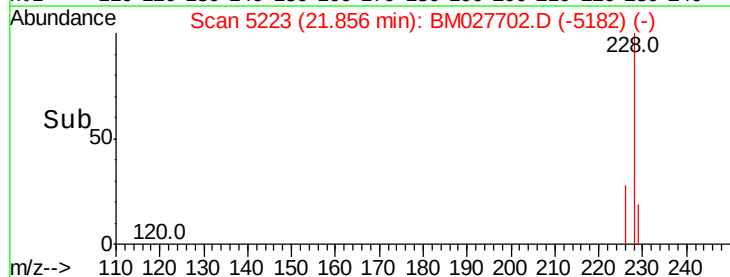
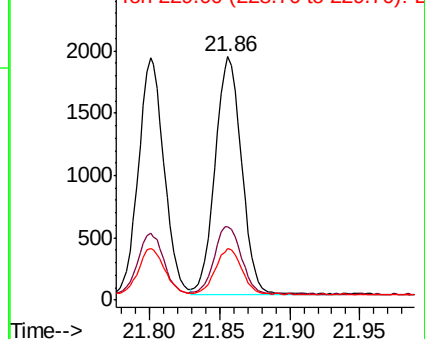
228 100

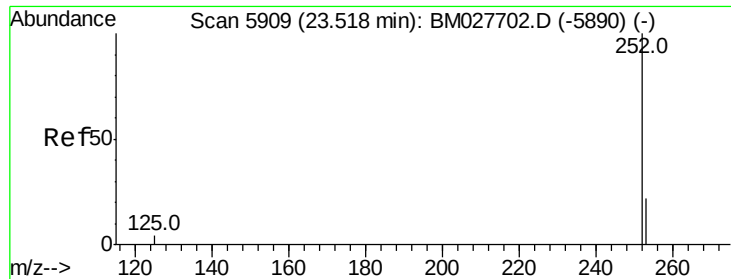
226 30.0 24.0 36.0

229 21.1 16.9 25.3



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





#24

Benzo(b)fluoranthene

Concen: 0.421 ng/ul

RT: 23.52 min Scan# 5909

Delta R.T. 0.00 min

Lab File: BM027702.D

Acq: 05 Nov 2020 02:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.4053

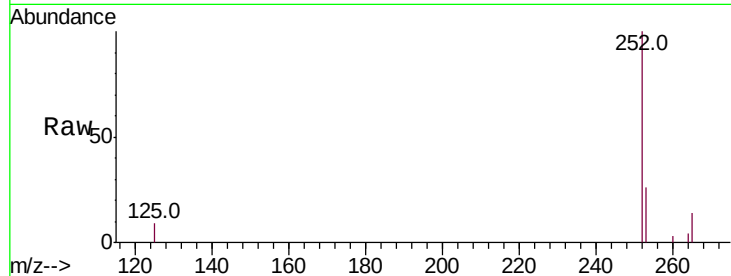
Tot Ion:252 Resp: 2389

Ion Ratio Lower Upper

252 100

253 26.5 0.0 53.0

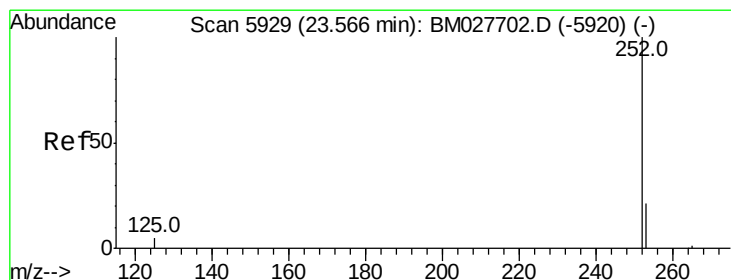
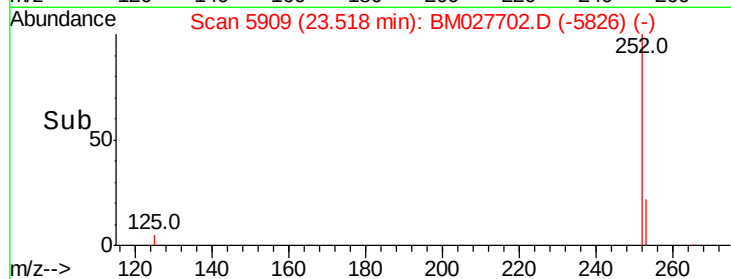
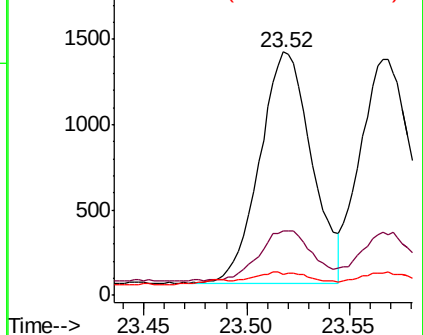
125 8.8 0.0 17.6



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



#25

Benzo(k)fluoranthene

Concen: 0.413 ng/ul

RT: 23.57 min Scan# 5929

Delta R.T. 0.00 min

Lab File: BM027702.D

Acq: 05 Nov 2020 02:34

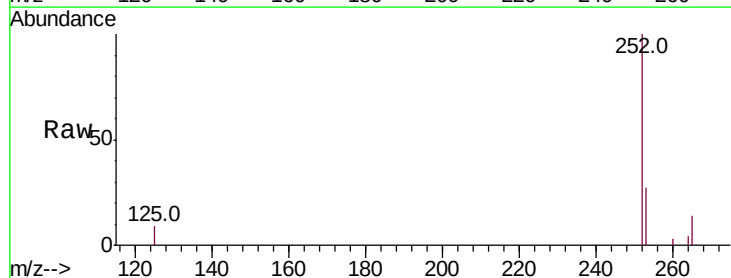
Tgt Ion:252 Resp: 2335

Ion Ratio Lower Upper

252 100

253 26.8 21.4 32.2

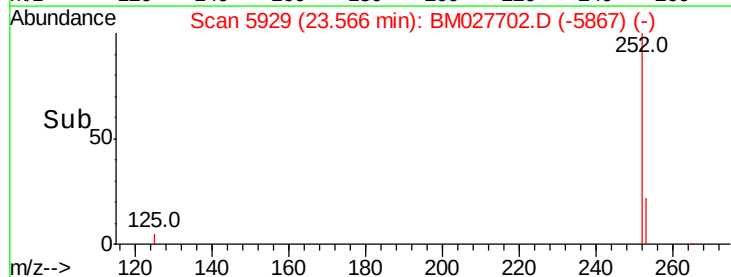
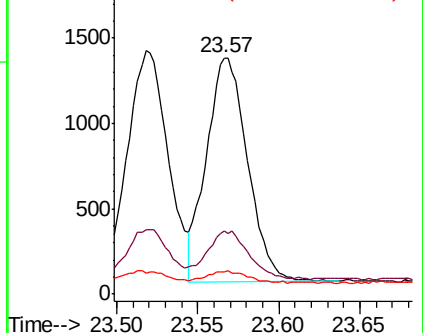
125 9.2 7.4 11.0

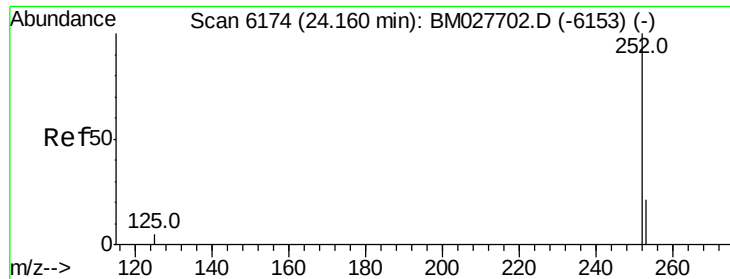


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.420 ng/ul

RT: 24.16 min Scan# 6174

Delta R.T. 0.00 min

Lab File: BM027702.D

Acq: 05 Nov 2020 02:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.4053

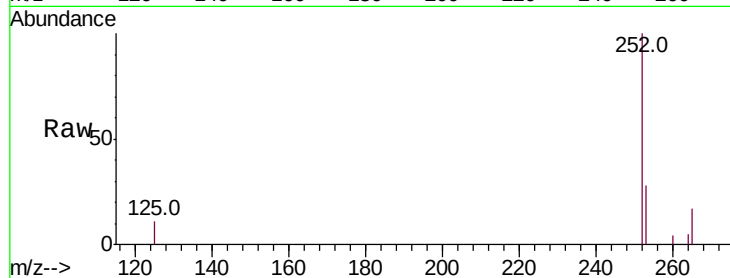
Tot Ion:252 Resp: 2110

Ion Ratio Lower Upper

252 100

253 27.9 22.3 33.5

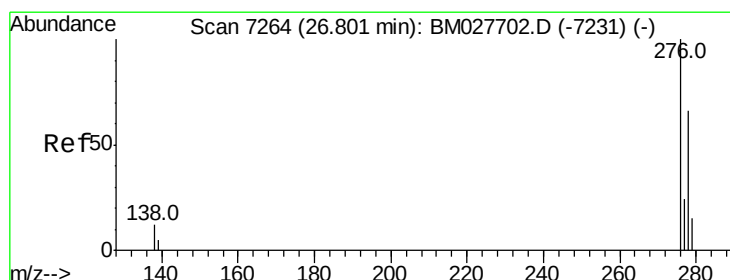
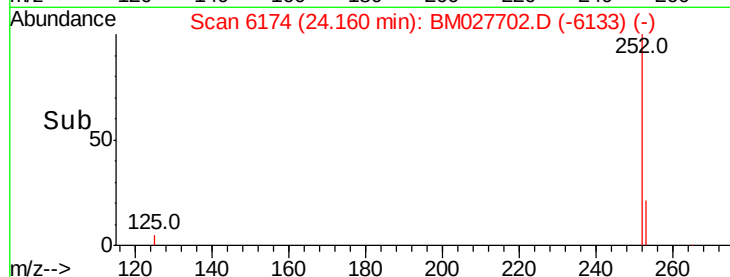
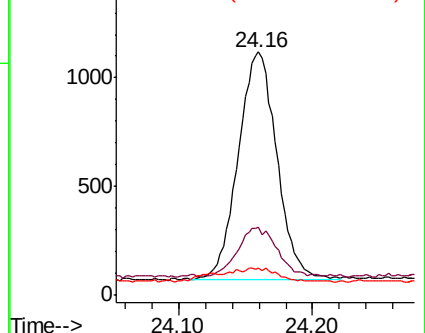
125 11.0 8.8 13.2



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.422 ng/ul

RT: 26.80 min Scan# 7264

Delta R.T. 0.00 min

Lab File: BM027702.D

Acq: 05 Nov 2020 02:34

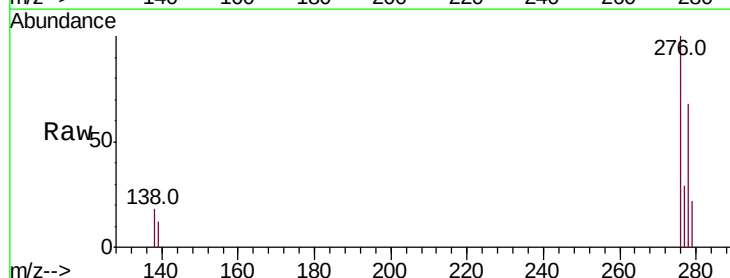
Tgt Ion:276 Resp: 2455

Ion Ratio Lower Upper

276 100

138 13.8 11.0 16.6

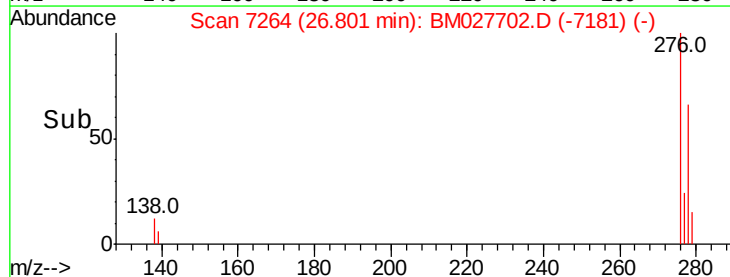
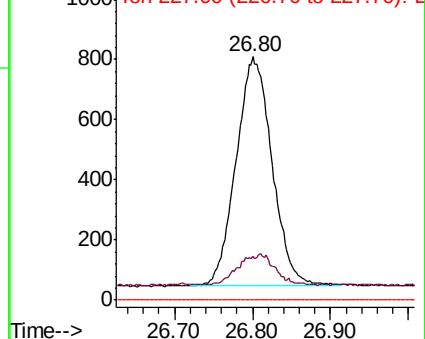
227 0.0 0.0 0.0

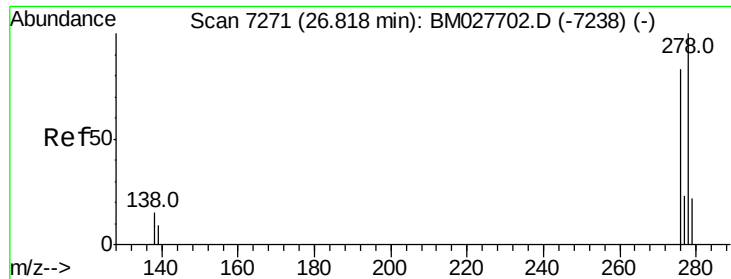


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



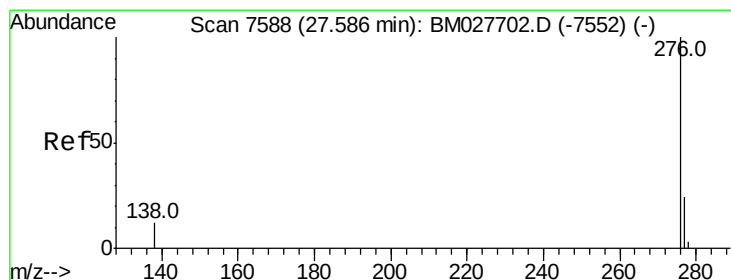
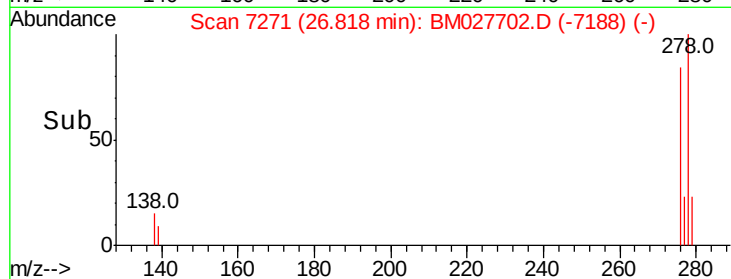
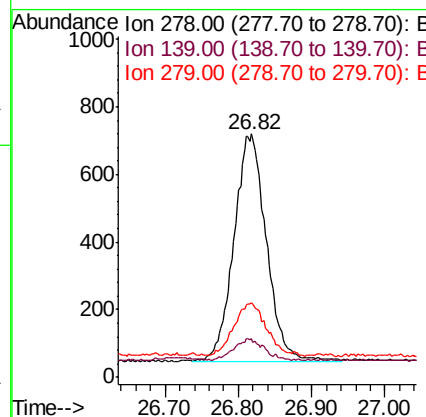
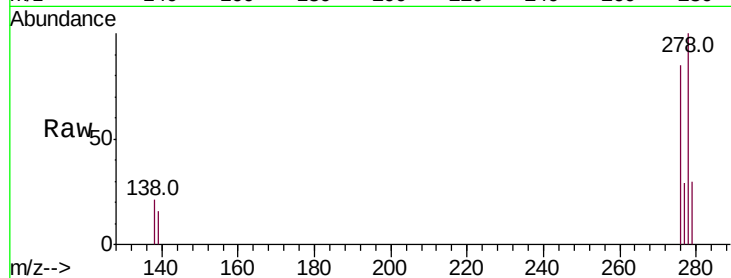


#28
Dibenzo(a,h)anthracene
Concen: 0.423 ng/ul
RT: 26.82 min Scan# 7271
Delta R.T. 0.00 min
Lab File: BM027702.D
Acq: 05 Nov 2020 02:34

Instrument :
BNA_M
ClientSampleId :
SSTD0.4053

Tot Ion:278 Resp: 2053

Ion	Ratio	Lower	Upper
278	100		
139	15.7	12.6	18.8
279	30.4	24.3	36.5



#29
Benzo(g,h,i)perylene
Concen: 0.413 ng/ul
RT: 27.59 min Scan# 7588
Delta R.T. 0.00 min
Lab File: BM027702.D
Acq: 05 Nov 2020 02:34

Tgt Ion:276 Resp: 2062

Ion	Ratio	Lower	Upper
276	100		
138	18.7	15.0	22.4
277	30.2	24.2	36.2

