

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110920\
 Data File : BM027749.D
 Acq On : 09 Nov 2020 10:03
 Operator : JU/CG
 Sample : SSTD0.177
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.177

Quant Time: Nov 10 06:05:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM02.4-EPA-SIM-BM110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 10 06:04:03 2020
 Response via : Initial Calibration

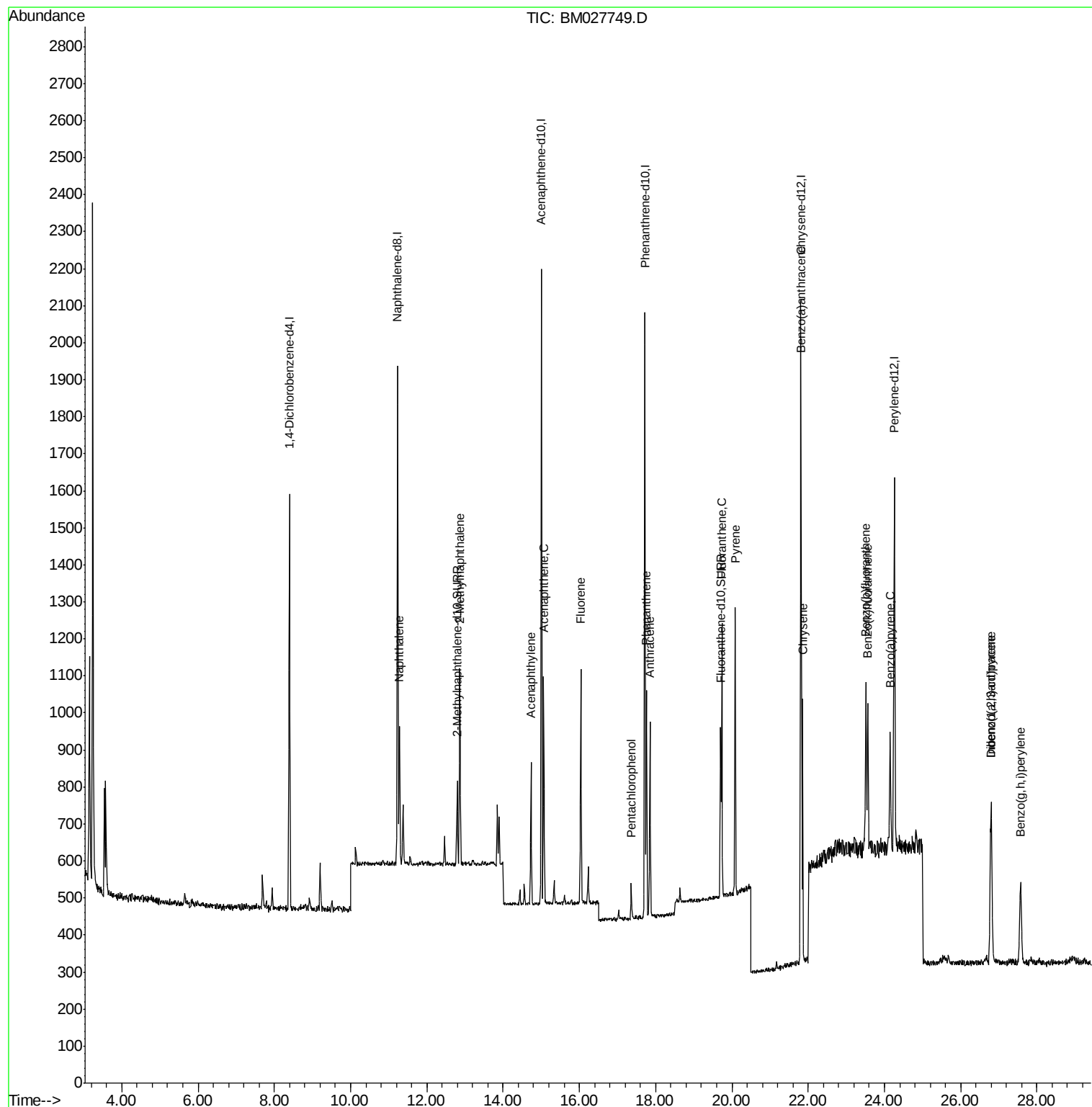
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.39	152	547	0.40	ng/ul	0.00
2) Naphthalene-d8	11.23	136	1773	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.00	164	956	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.72	188	2025	0.40	ng/ul	0.00
16) Chrysene-d12	21.81	240	1571	0.40	ng/ul	0.00
20) Perylene-d12	24.26	264	1384	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.79	152	279	0.09	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	524	0.09	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.28	128	520	0.100	ng/ul#	78
5) 2-Methylnaphthalene	12.86	142	351	0.093	ng/ul	100
7) Acenaphthylene	14.73	152	438	0.090	ng/ul#	77
8) Acenaphthene	15.07	153	340	0.098	ng/ul	92
9) Fluorene	16.04	166	382	0.089	ng/ul#	97
11) Pentachlorophenol	17.36	266	68	0.123	ng/ul#	88
12) Phenanthrene	17.76	178	610	0.098	ng/ul#	89
13) Anthracene	17.85	178	566	0.093	ng/ul#	85
15) Fluoranthene	19.73	202	671	0.089	ng/ul	81
17) Pyrene	20.09	202	667	0.093	ng/ul#	81
18) Benzo(a)anthracene	21.80	228	596	0.097	ng/ul#	88
19) Chrysene	21.85	228	1111	0.174	ng/ul#	90
21) Benzo(b)fluoranthene	23.51	252	590	0.106	ng/ul#	71
22) Benzo(k)fluoranthene	23.56	252	553	0.095	ng/ul#	70
23) Benzo(a)pyrene	24.15	252	495	0.099	ng/ul#	62
24) Indeno(1,2,3-cd)pyrene	26.79	276	588	0.091	ng/ul#	95
25) Dibenzo(a,h)anthracene	26.81	278	481	0.091	ng/ul#	60
26) Benzo(g,h,i)perylene	27.57	276	527	0.097	ng/ul#	71

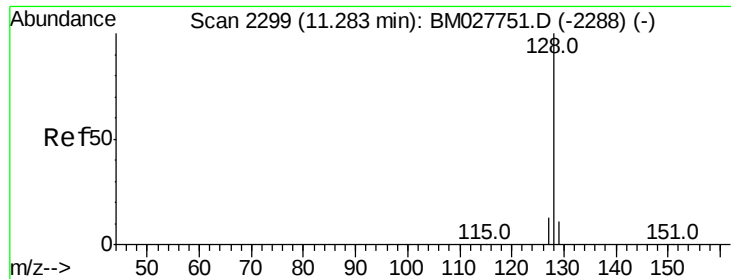
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.100 ng/ul

RT: 11.28 min Scan# 2298

Delta R.T. -0.00 min

Lab File: BM027749.D

Acq: 09 Nov 2020 10:03

Instrument :

BNA_M

ClientSampleId :

SSTD0.177

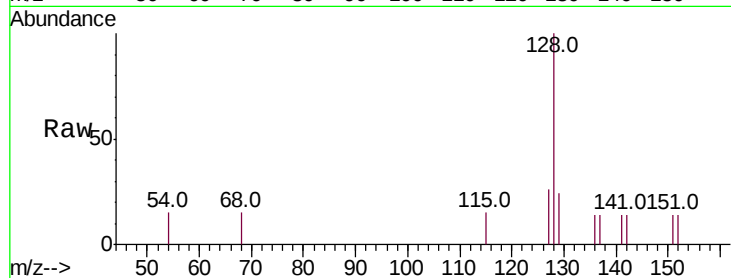
Tot Ion:128 Resp: 520

Ion Ratio Lower Upper

128 100

129 24.4 12.2 18.2#

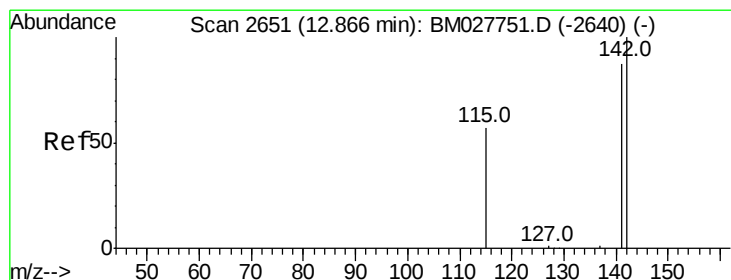
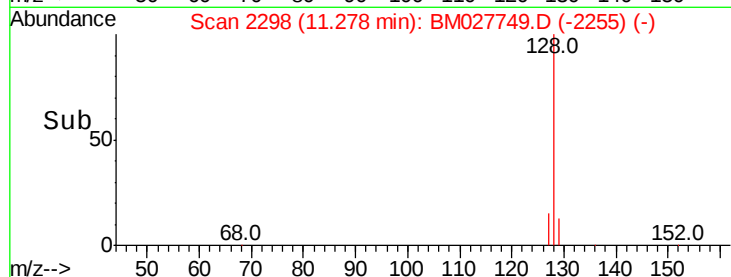
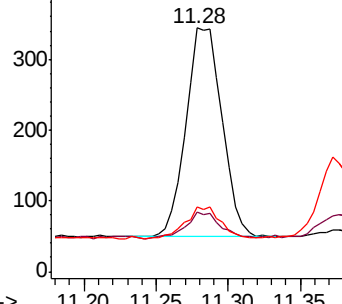
127 26.5 13.7 20.5#



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: 0.093 ng/ul

RT: 12.86 min Scan# 2650

Delta R.T. -0.00 min

Lab File: BM027749.D

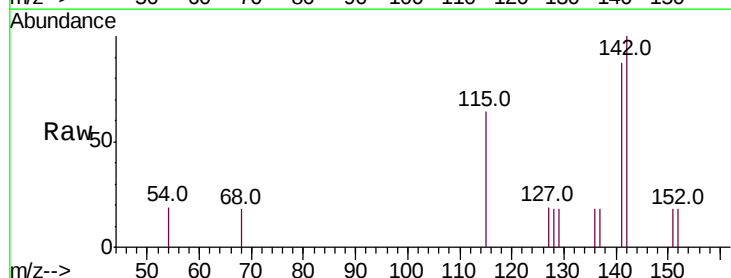
Acq: 09 Nov 2020 10:03

Tgt Ion:142 Resp: 351

Ion Ratio Lower Upper

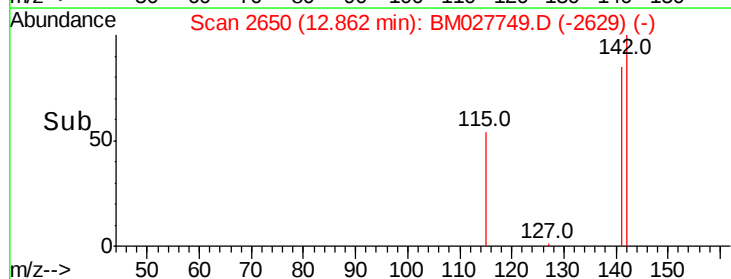
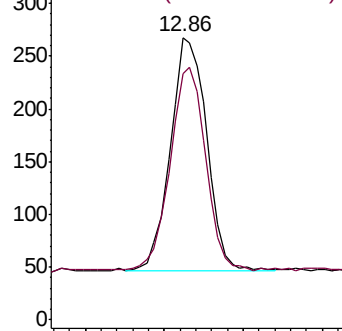
142 100

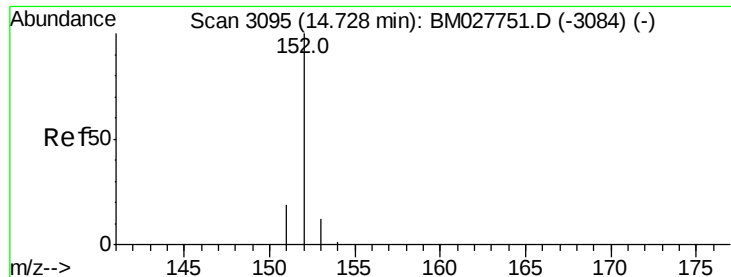
141 85.8 68.4 102.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.090 ng/ul

RT: 14.73 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BM027749.D

Acq: 09 Nov 2020 10:03

Instrument :

BNA_M

ClientSampleId :

SSTD0.177

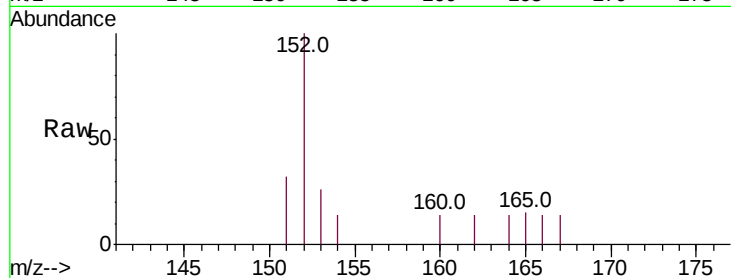
Tot Ion:152 Resp: 438

Ion Ratio Lower Upper

152 100

151 32.4 17.8 26.8#

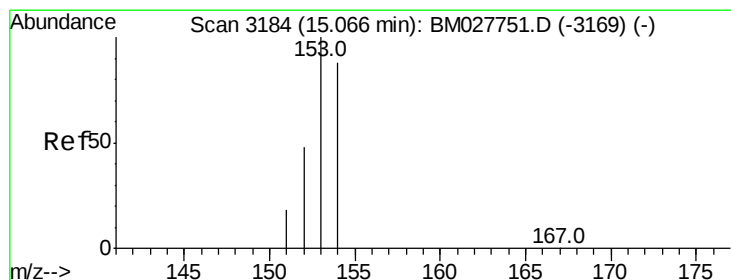
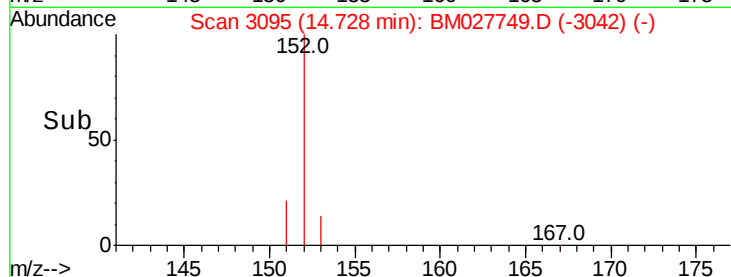
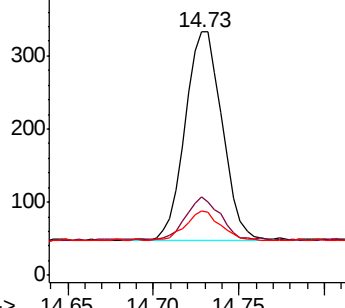
153 26.4 12.4 18.6#



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: 0.098 ng/ul

RT: 15.07 min Scan# 3184

Delta R.T. -0.00 min

Lab File: BM027749.D

Acq: 09 Nov 2020 10:03

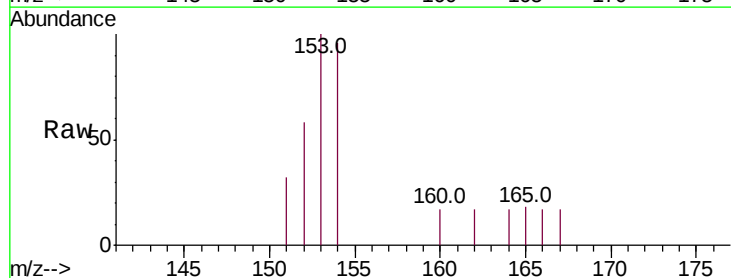
Tgt Ion:153 Resp: 340

Ion Ratio Lower Upper

153 100

152 58.4 40.7 61.1

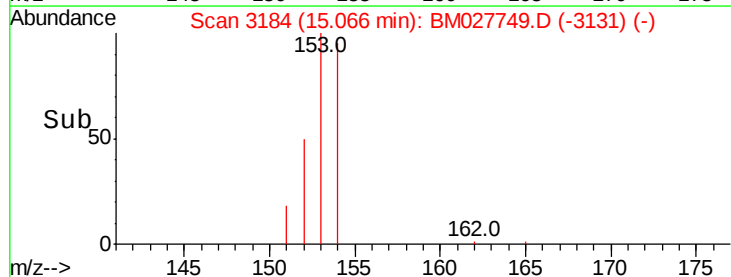
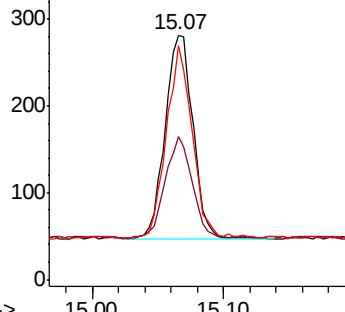
154 95.7 71.3 106.9

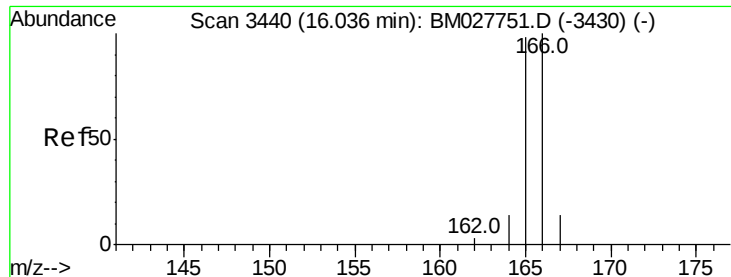


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.089 ng/ul

RT: 16.04 min Scan# 3440

Delta R.T. -0.00 min

Lab File: BM027749.D

Acq: 09 Nov 2020 10:03

Instrument :

BNA_M

ClientSampleId :

SSTD0.177

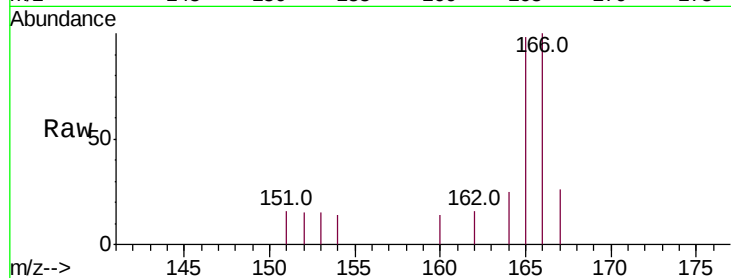
Tot Ion:166 Resp: 382

Ion Ratio Lower Upper

166 100

165 98.5 78.6 118.0

167 26.4 13.8 20.8#



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

16.04

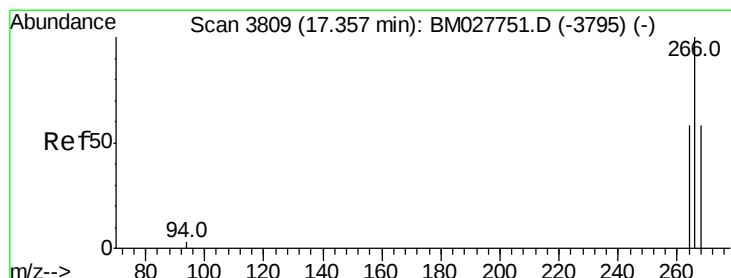
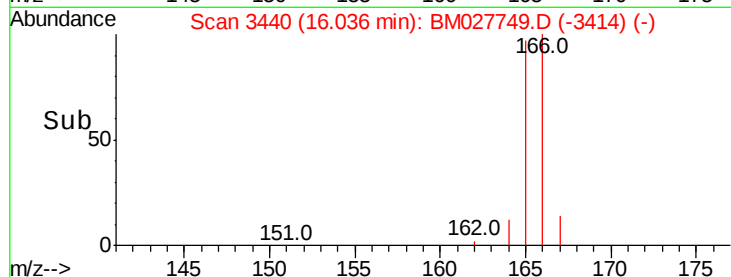
300

200

100

0

Time-->



#11

Pentachlorophenol

Concen: 0.123 ng/ul

RT: 17.36 min Scan# 3810

Delta R.T. 0.00 min

Lab File: BM027749.D

Acq: 09 Nov 2020 10:03

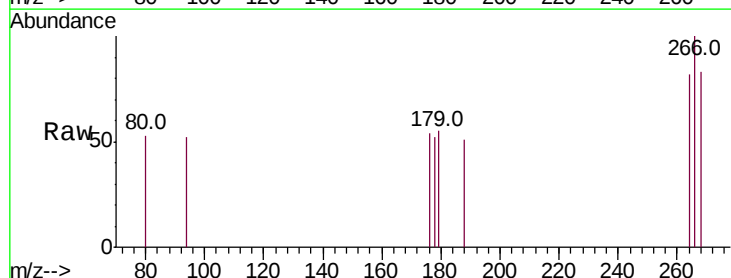
Tgt Ion:266 Resp: 68

Ion Ratio Lower Upper

266 100

264 66.2 50.5 75.7

268 76.5 49.3 73.9#



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

17.36

120

100

80

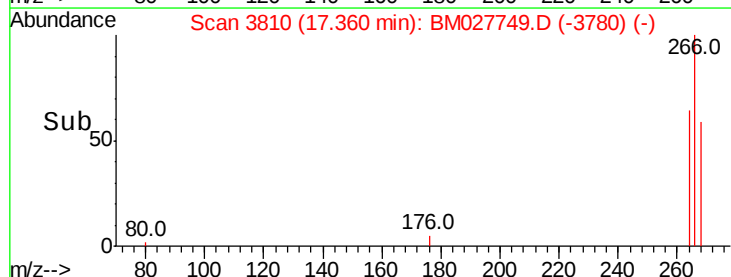
60

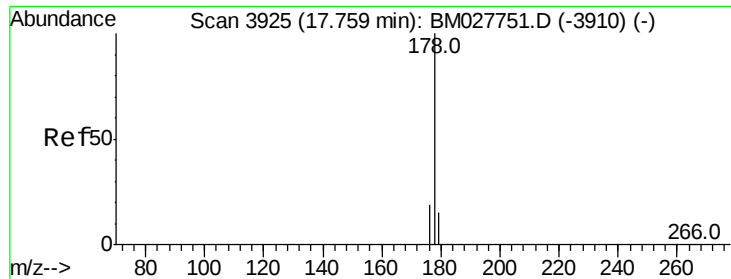
40

20

0

Time-->





#12

Phenanthrene

Concen: 0.098 ng/ul

RT: 17.76 min Scan# 3925

Delta R.T. -0.00 min

Lab File: BM027749.D

Acq: 09 Nov 2020 10:03

Instrument :

BNA_M

ClientSampleId :

SSTD0.177

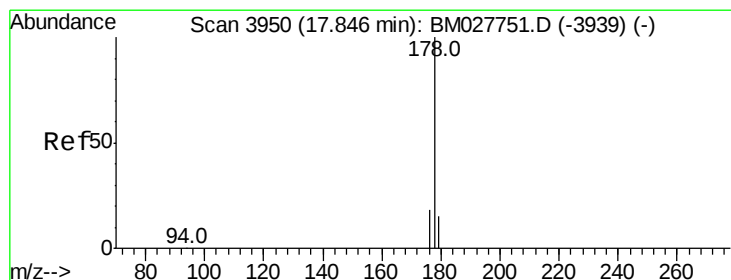
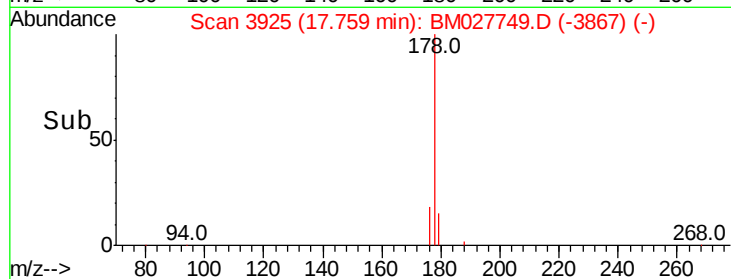
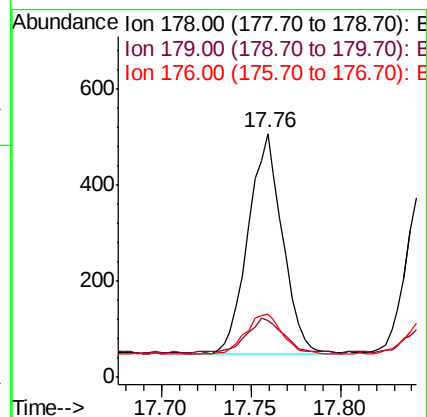
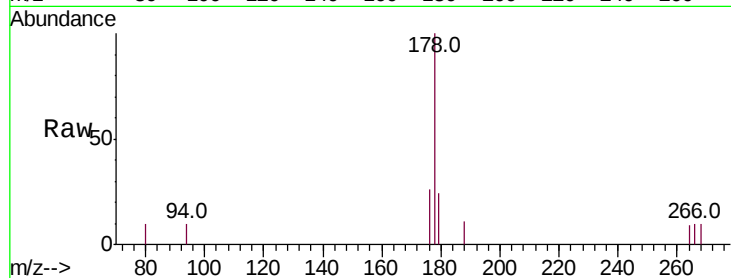
Tot Ion:178 Resp: 610

Ion Ratio Lower Upper

178 100

179 23.5 14.2 21.2#

176 25.7 16.9 25.3#



#13

Anthracene

Concen: 0.093 ng/ul

RT: 17.85 min Scan# 3951

Delta R.T. 0.00 min

Lab File: BM027749.D

Acq: 09 Nov 2020 10:03

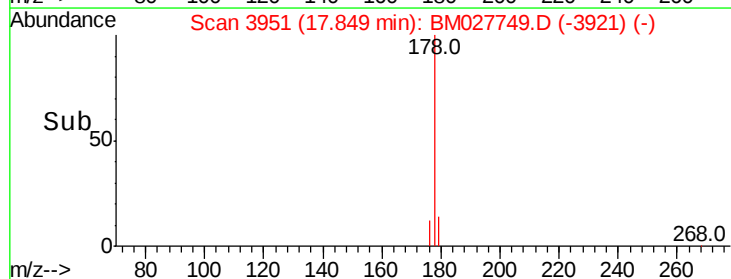
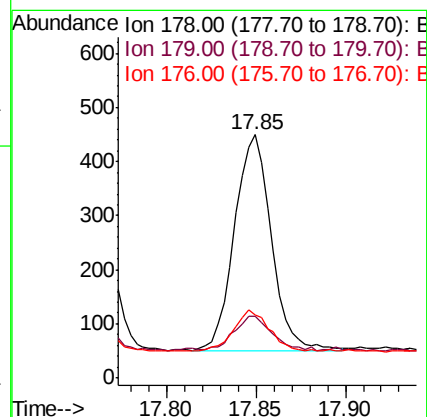
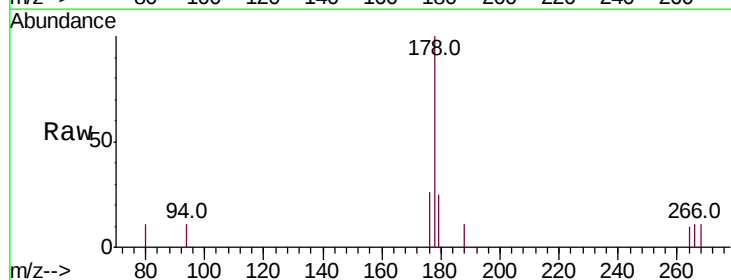
Tgt Ion:178 Resp: 566

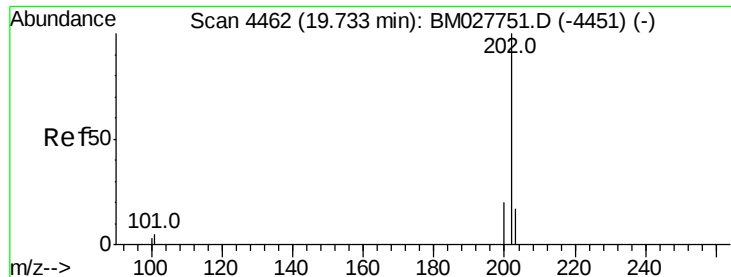
Ion Ratio Lower Upper

178 100

179 25.1 13.8 20.8#

176 26.0 16.2 24.4#

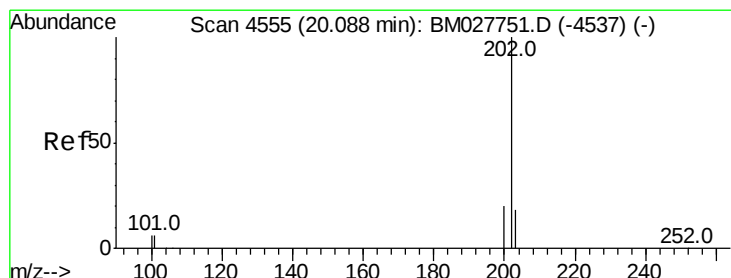
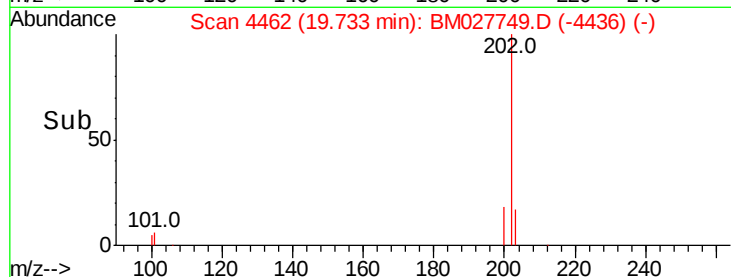
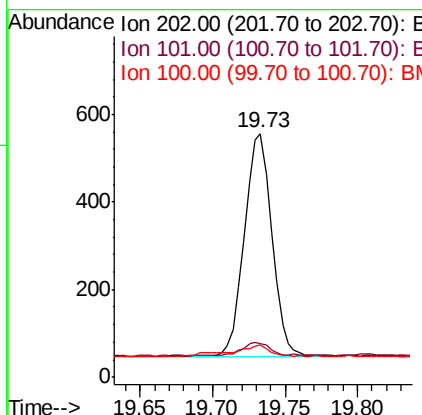
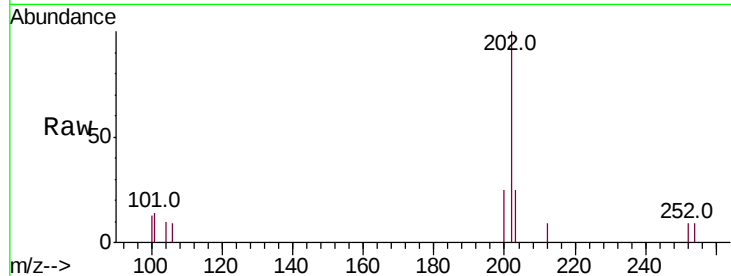




#15
 Fluoranthene
 Concen: 0.089 ng/ul
 RT: 19.73 min Scan# 4462
 Delta R.T. -0.00 min
 Lab File: BM027749.D
 Acq: 09 Nov 2020 10:03

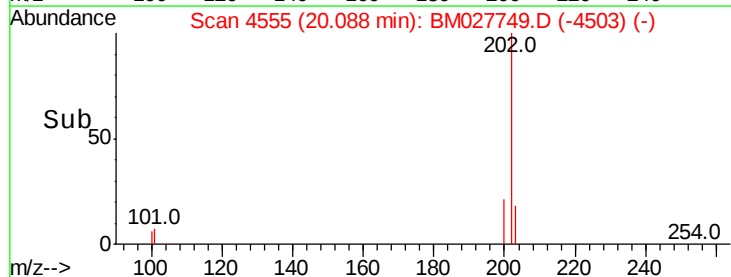
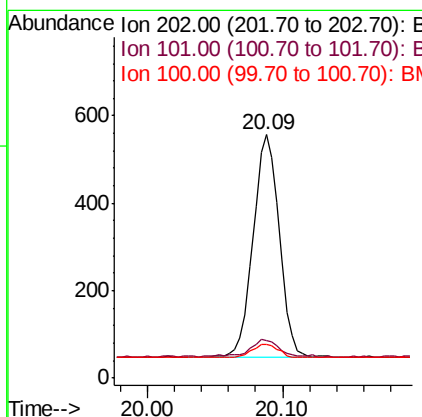
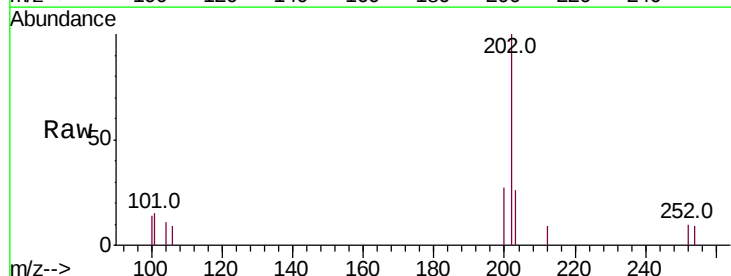
Instrument :
 BNA_M
 ClientSampleId :
 SST0.177

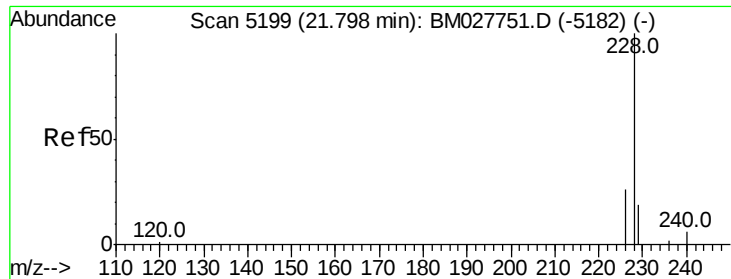
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	27.5
100	13.1	0.0	26.3



#17
 Pyrene
 Concen: 0.093 ng/ul
 RT: 20.09 min Scan# 4555
 Delta R.T. -0.00 min
 Lab File: BM027749.D
 Acq: 09 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.3	6.6	9.8#
100	13.6	6.1	9.1#





#18

Benzo(a)anthracene

Concen: 0.097 ng/ul

RT: 21.80 min Scan# 5199

Delta R.T. -0.00 min

Lab File: BM027749.D

Acq: 09 Nov 2020 10:03

Instrument :

BNA_M

ClientSampleId :

SSTD0.177

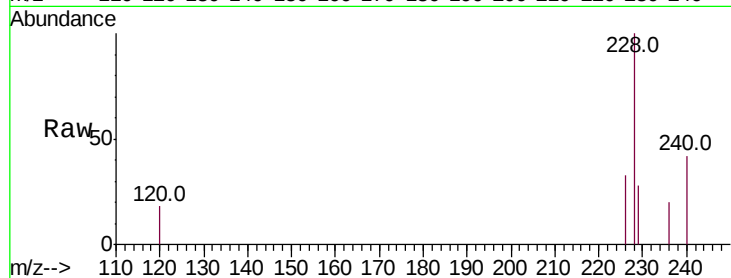
Tot Ion:228 Resp: 596

Ion Ratio Lower Upper

228 100

229 27.8 17.0 25.6#

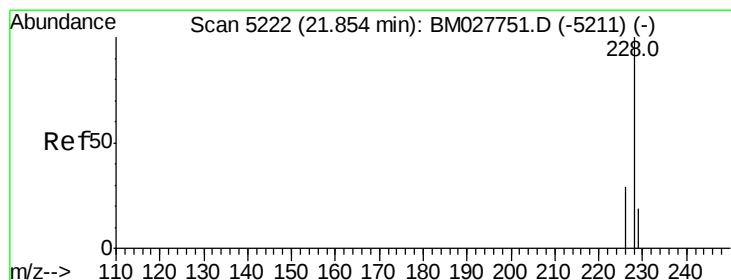
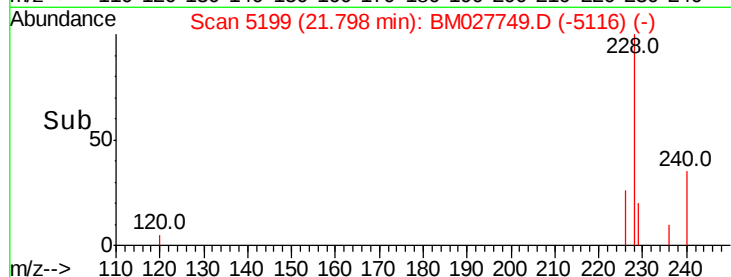
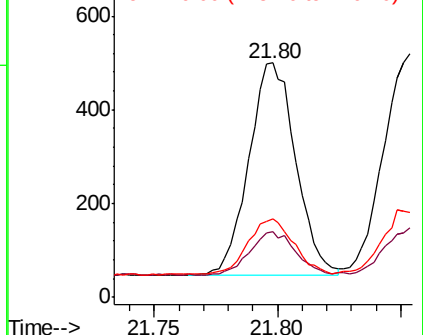
226 33.2 22.1 33.1#



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: 0.174 ng/ul

RT: 21.85 min Scan# 5222

Delta R.T. -0.00 min

Lab File: BM027749.D

Acq: 09 Nov 2020 10:03

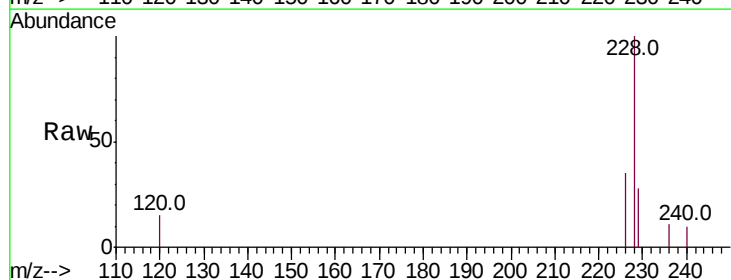
Tgt Ion:228 Resp: 1111

Ion Ratio Lower Upper

228 100

226 35.1 24.7 37.1

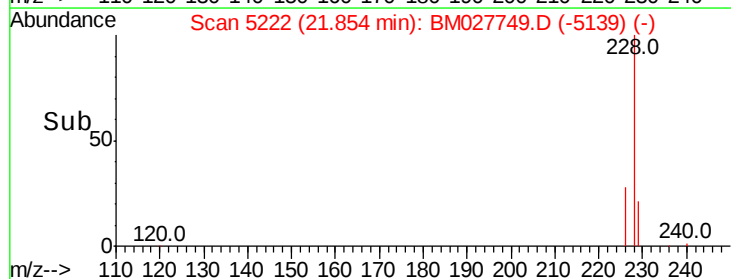
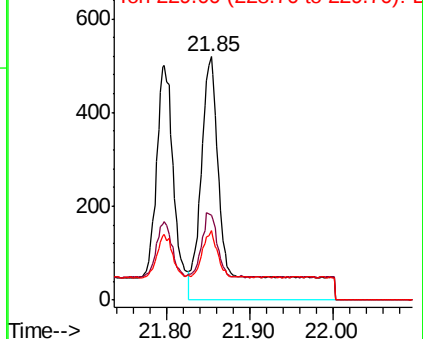
229 28.3 17.1 25.7#

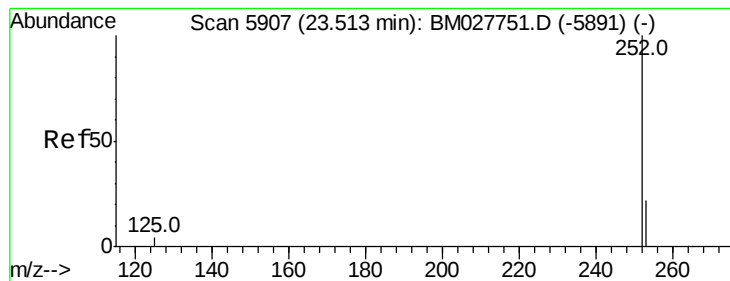


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.106 ng/ul

RT: 23.51 min Scan# 5907

Delta R.T. -0.00 min

Lab File: BM027749.D

Acq: 09 Nov 2020 10:03

Instrument :

BNA_M

ClientSampleId :

SSTD0.177

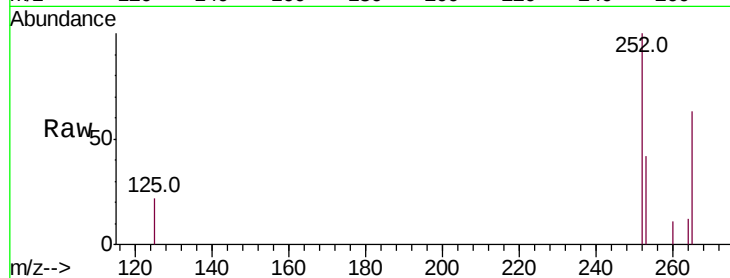
Tot Ion:252 Resp: 590

Ion Ratio Lower Upper

252 100

253 42.3 0.0 56.0

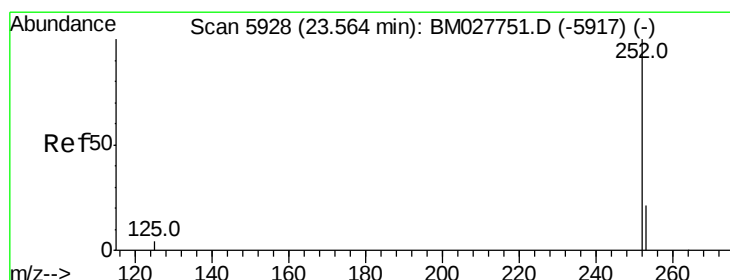
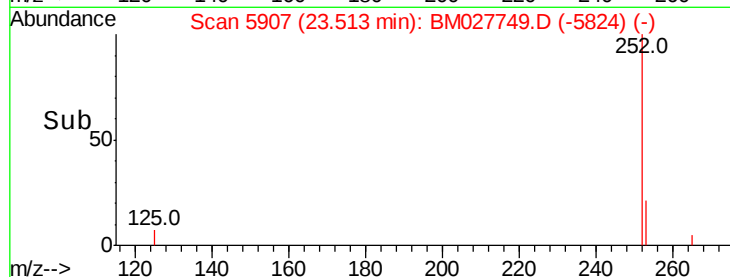
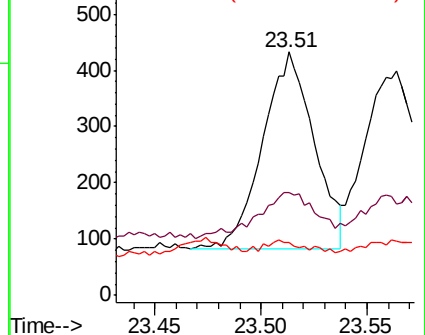
125 21.9 0.0 18.2#



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



#22

Benzo(k)fluoranthene

Concen: 0.095 ng/ul

RT: 23.56 min Scan# 5928

Delta R.T. -0.00 min

Lab File: BM027749.D

Acq: 09 Nov 2020 10:03

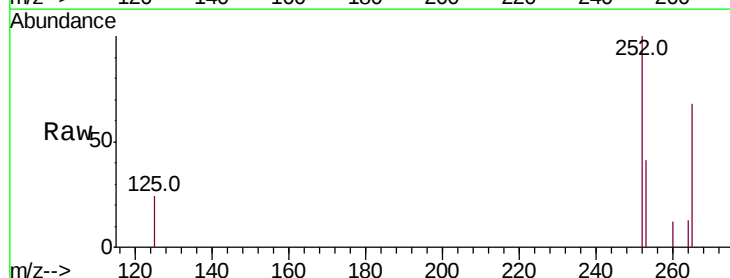
Tgt Ion:252 Resp: 553

Ion Ratio Lower Upper

252 100

253 40.7 21.8 32.8#

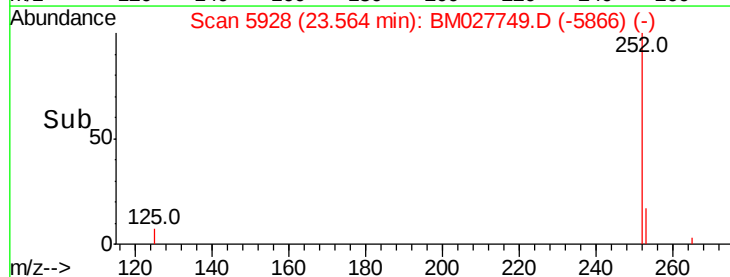
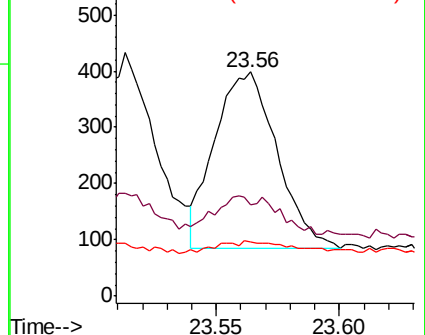
125 24.1 7.0 10.4#

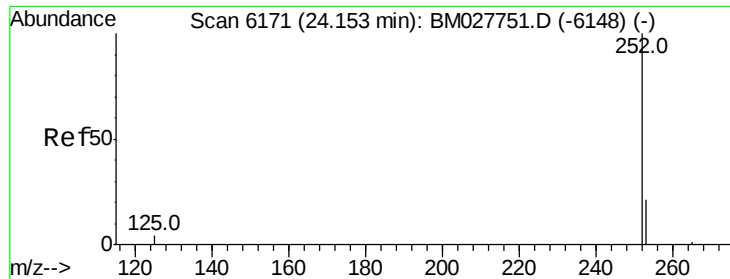


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.099 ng/u1

RT: 24.15 min Scan# 6171

Delta R.T. -0.00 min

Lab File: BM027749.D

Acq: 09 Nov 2020 10:03

Instrument :

BNA_M

ClientSampleId :

SSTD0.177

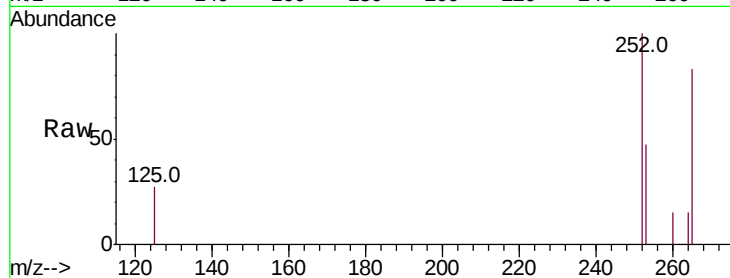
Tot Ion:252 Resp: 495

Ion Ratio Lower Upper

252 100

253 46.8 22.4 33.6#

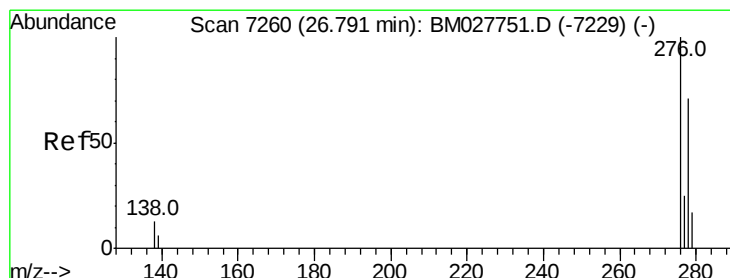
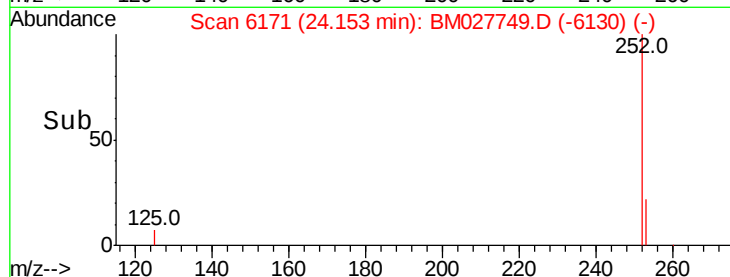
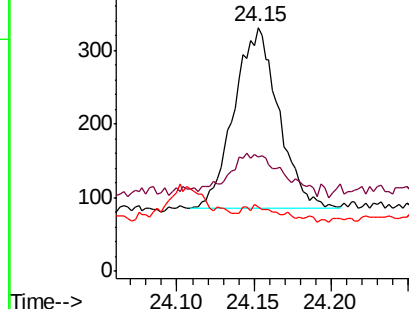
125 26.6 7.8 11.6#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.091 ng/u1

RT: 26.79 min Scan# 7260

Delta R.T. -0.00 min

Lab File: BM027749.D

Acq: 09 Nov 2020 10:03

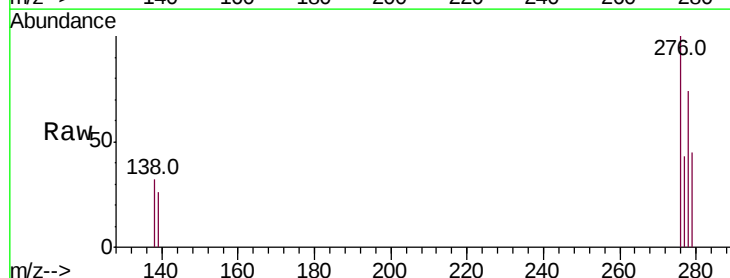
Tgt Ion:276 Resp: 588

Ion Ratio Lower Upper

276 100

138 11.1 10.6 15.8

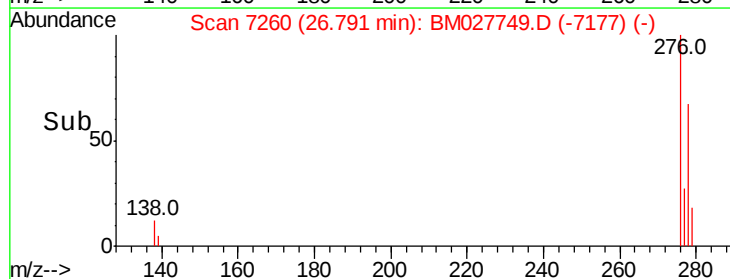
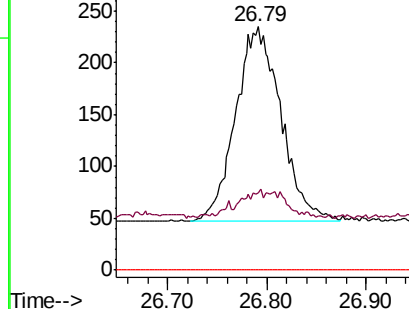
227 0.0 0.0 0.0

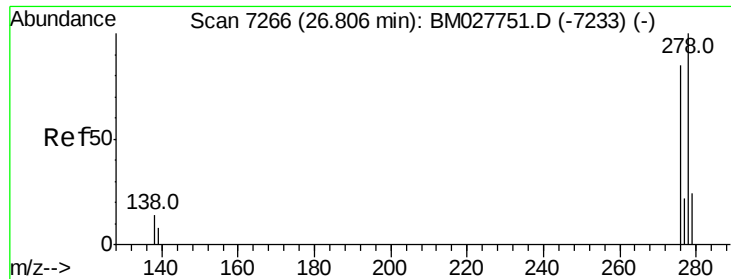


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

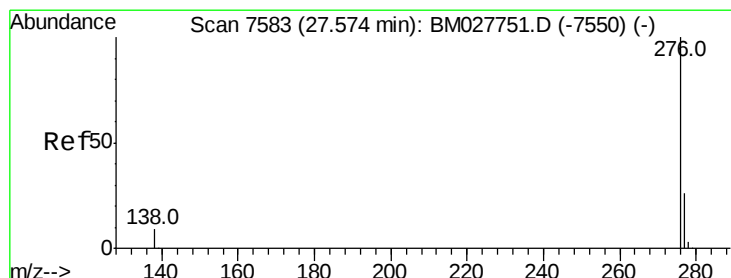
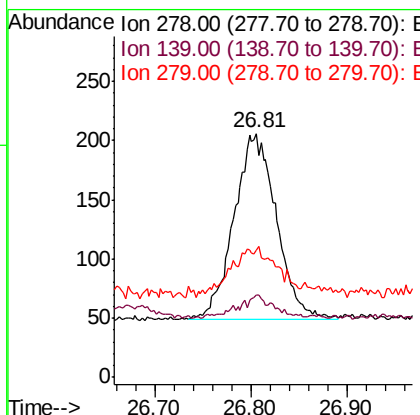
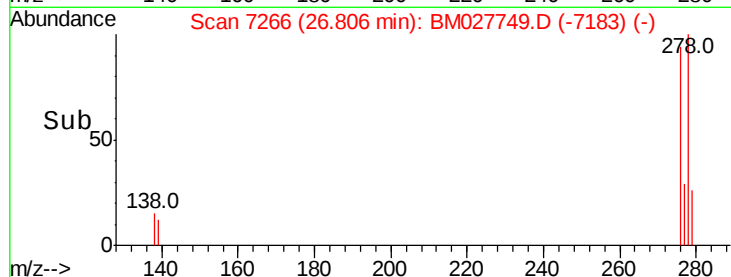
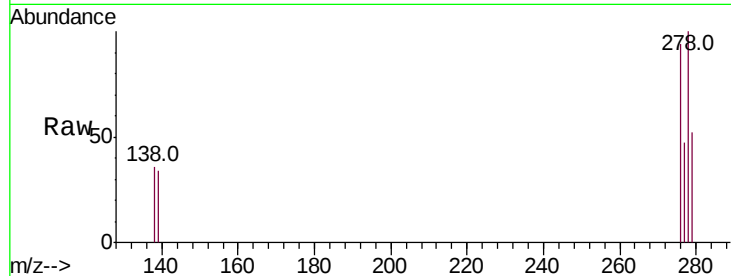




#25
Dibenzo(a,h)anthracene
Concen: 0.091 ng/u1
RT: 26.81 min Scan# 7266
Delta R.T. -0.00 min
Lab File: BM027749.D
Acq: 09 Nov 2020 10:03

Instrument :
BNA_M
ClientSampleId :
SSTD0.177

Tot Ion:278 Resp: 481
Ion Ratio Lower Upper
278 100
139 34.0 11.5 17.3#
279 52.4 25.6 38.4#



#26
Benzo(g,h,i)perylene
Concen: 0.097 ng/u1
RT: 27.57 min Scan# 7583
Delta R.T. -0.00 min
Lab File: BM027749.D
Acq: 09 Nov 2020 10:03

Tgt Ion:276 Resp: 527
Ion Ratio Lower Upper
276 100
138 33.0 12.6 18.8#
277 43.7 24.9 37.3#

