

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110520\
 Data File : BM027701.D
 Acq On : 05 Nov 2020 01:58
 Operator : JU/CG
 Sample : SST0.204
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST0.2042

Quant Time: Nov 05 03:58:30 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

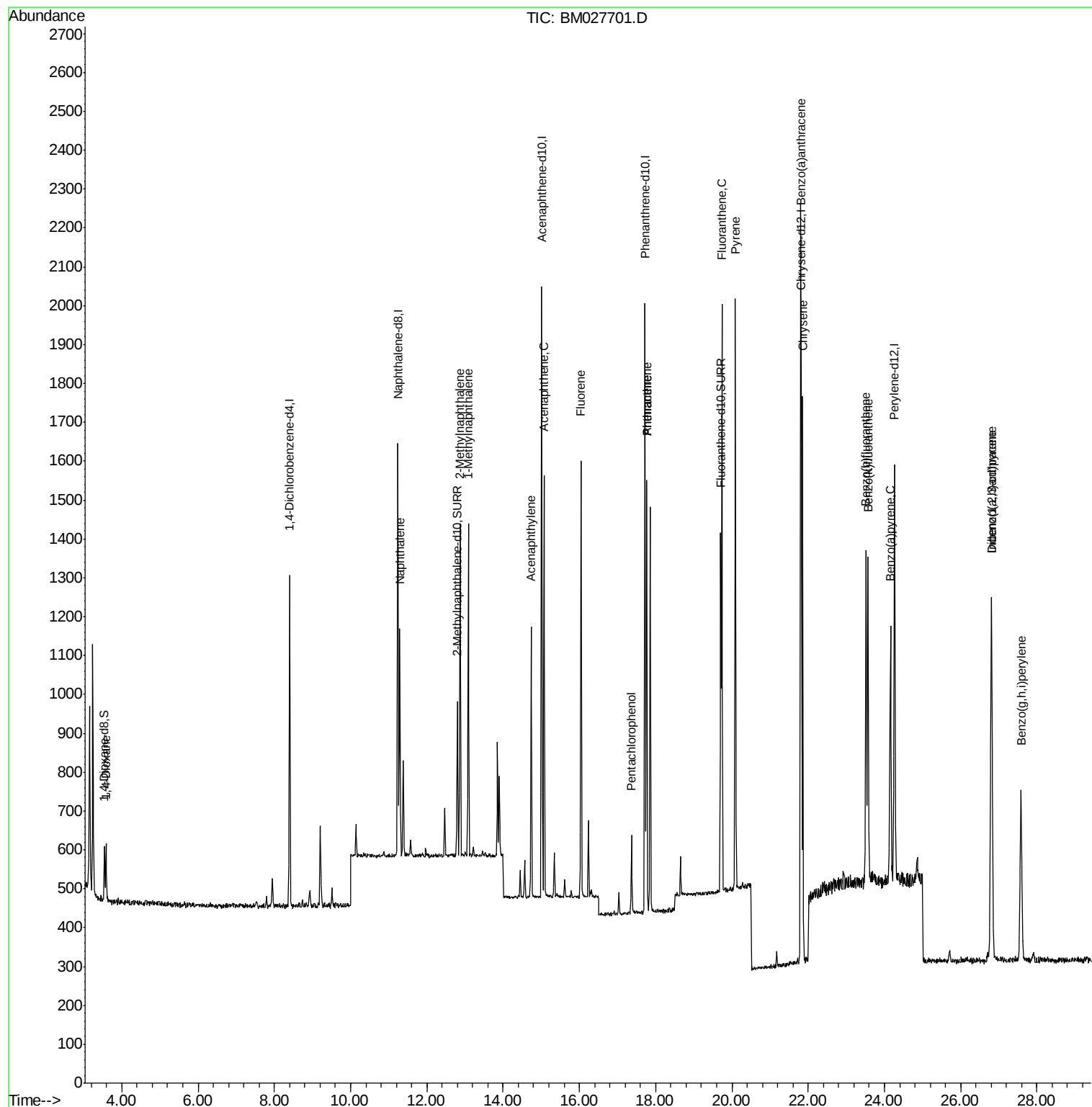
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	404	0.40	ng/ul	0.00
4) Naphthalene-d8	11.24	136	1391	0.40	ng/ul	0.00
9) Acenaphthene-d10	15.01	164	864	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.72	188	1943	0.40	ng/ul	0.00
19) Chrysene-d12	21.82	240	1646	0.40	ng/ul	0.00
23) Perylene-d12	24.27	264	1470	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	83	0.10	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.80	152	450	0.20	ng/ul	0.00
17) Fluoranthene-d10	19.71	212	1021	0.20	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.58	88	88	0.157	ng/ul	96
5) Naphthalene	11.29	128	783	0.202	ng/ul#	92
7) 2-Methylnaphthalene	12.87	142	533	0.204	ng/ul	99
8) 1-Methylnaphthalene	13.09	142	508	0.205	ng/ul	99
10) Acenaphthylene	14.74	152	759	0.191	ng/ul	92
11) Acenaphthene	15.07	153	590	0.200	ng/ul	96
12) Fluorene	16.04	166	696	0.202	ng/ul#	98
14) Pentachlorophenol	17.37	266	121	0.193	ng/ul	95
15) Phenanthrene	17.76	178	1128	0.196	ng/ul	98
16) Anthracene	17.76	178	856	0.154	ng/ul	94
18) Fluoranthene	19.74	202	1290	0.194	ng/ul#	95
20) Pyrene	20.09	202	1307	0.195	ng/ul#	93
21) Benzo(a)anthracene	21.80	228	1225	0.201	ng/ul	96
22) Chrysene	21.86	228	1240	0.197	ng/ul	92
24) Benzo(b)fluoranthene	23.52	252	1189	0.196	ng/ul	92
25) Benzo(k)fluoranthene	23.57	252	1196	0.198	ng/ul#	88
26) Benzo(a)pyrene	24.16	252	1061	0.198	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.80	276	1227	0.197	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.82	278	1026	0.198	ng/ul#	86
29) Benzo(g,h,i)perylene	27.58	276	1041	0.195	ng/ul#	91

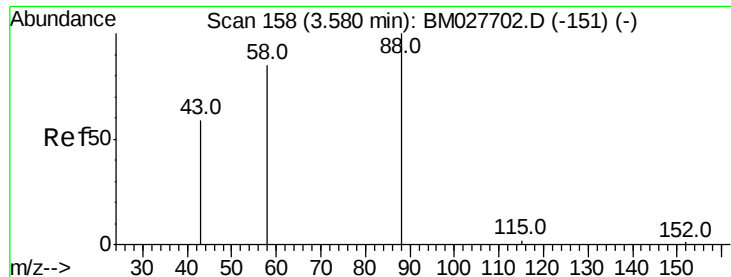
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.157 ng/ul

RT: 3.58 min Scan# 159

Delta R.T. 0.00 min

Lab File: BM027701.D

Acq: 05 Nov 2020 01:58

Instrument :

BNA_M

ClientSampleId :

SSTD0.2042

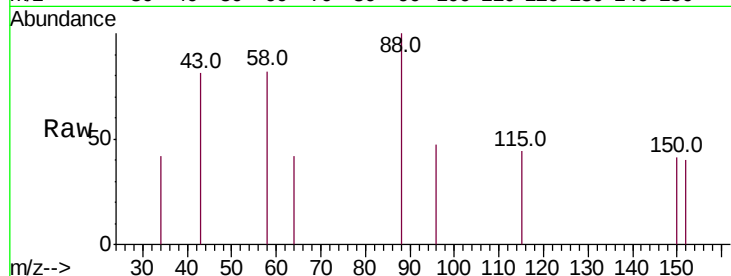
Tot Ion: 88 Resp: 88

Ion Ratio Lower Upper

88 100

43 81.4 61.8 92.6

58 82.2 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) (-)

3.58

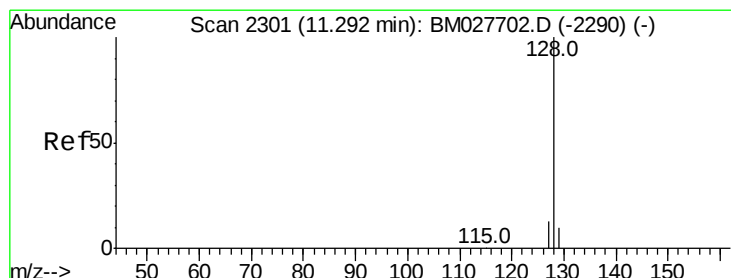
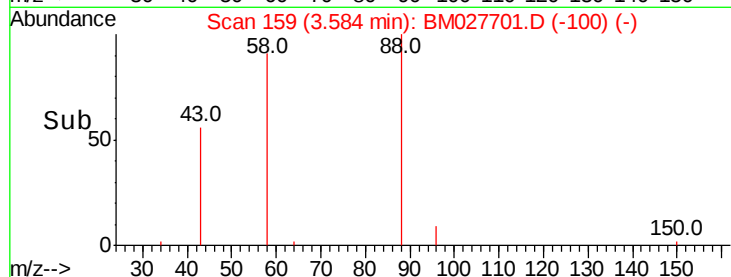
100

50

0

3.55 3.60

Time-->



#5

Naphthalene

Concen: 0.202 ng/ul

RT: 11.29 min Scan# 2300

Delta R.T. -0.00 min

Lab File: BM027701.D

Acq: 05 Nov 2020 01:58

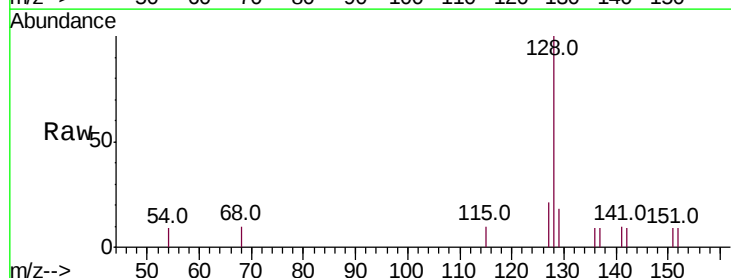
Tgt Ion: 128 Resp: 783

Ion Ratio Lower Upper

128 100

129 17.7 11.7 17.5#

127 20.8 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) (-)

11.29

600

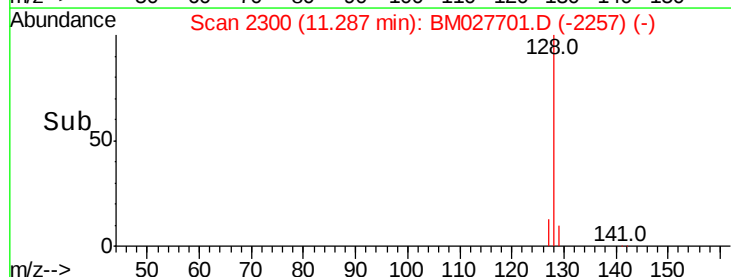
400

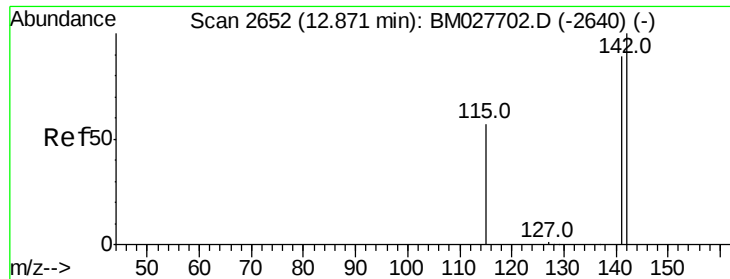
200

0

11.20 11.25 11.30 11.35

Time-->





#7

2-Methylnaphthalene

Concen: 0.204 ng/ul

RT: 12.87 min Scan# 2652

Delta R.T. 0.00 min

Lab File: BM027701.D

Acq: 05 Nov 2020 01:58

Instrument :

BNA_M

ClientSampleId :

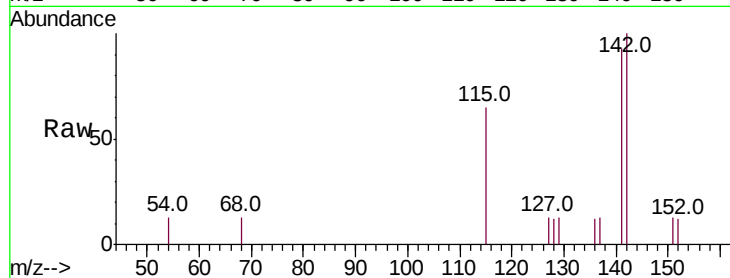
SSTD0.2042

Tot Ion:142 Resp: 533

Ion Ratio Lower Upper

142 100

141 88.4 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

400

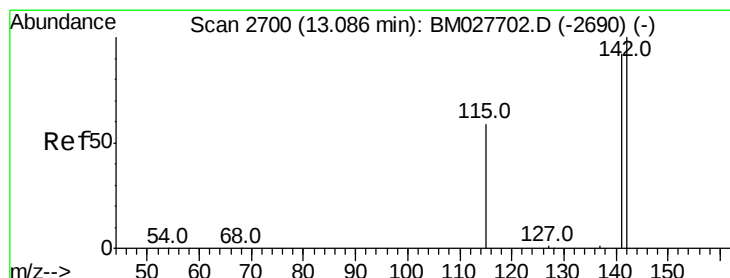
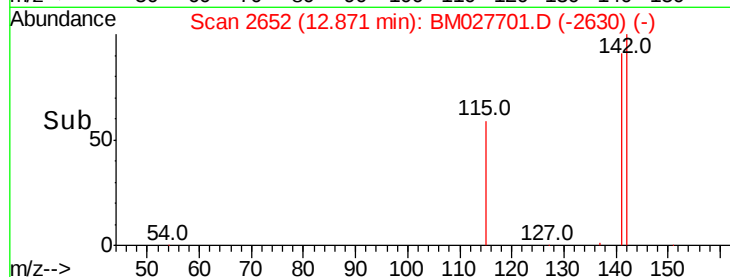
300

200

100

0

Time--> 12.80 12.85 12.90



#8

1-Methylnaphthalene

Concen: 0.205 ng/ul

RT: 13.09 min Scan# 2700

Delta R.T. 0.00 min

Lab File: BM027701.D

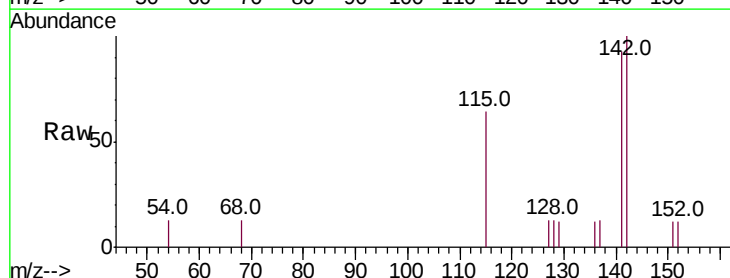
Acq: 05 Nov 2020 01:58

Tgt Ion:142 Resp: 508

Ion Ratio Lower Upper

142 100

141 93.5 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

400

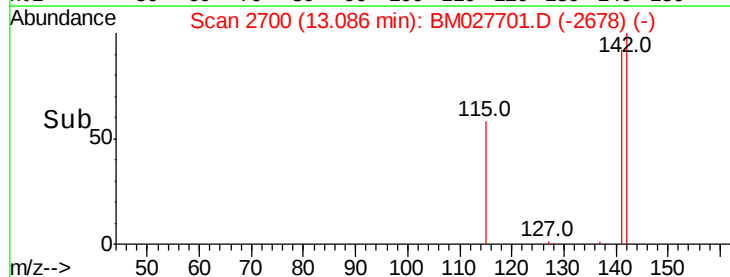
300

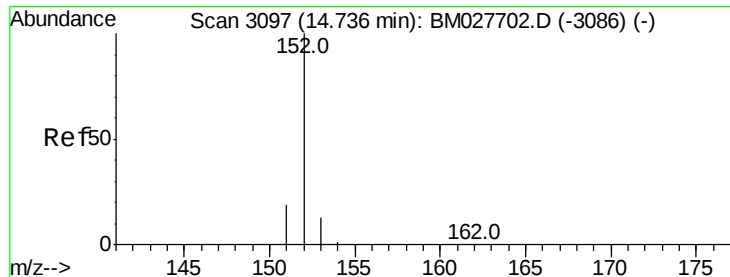
200

100

0

Time--> 13.05 13.10 13.15





#10

Acenaphthylene

Concen: 0.191 ng/ul

RT: 14.74 min Scan# 3097

Delta R.T. 0.00 min

Lab File: BM027701.D

Acq: 05 Nov 2020 01:58

Instrument :

BNA_M

ClientSampleId :

SSTD0.2042

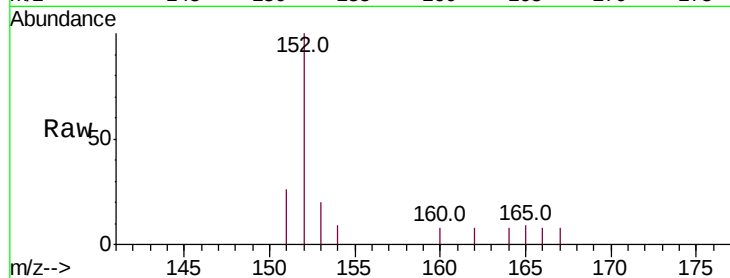
Tot Ion:152 Resp: 759

Ion Ratio Lower Upper

152 100

151 25.8 17.8 26.8

153 20.2 13.5 20.3

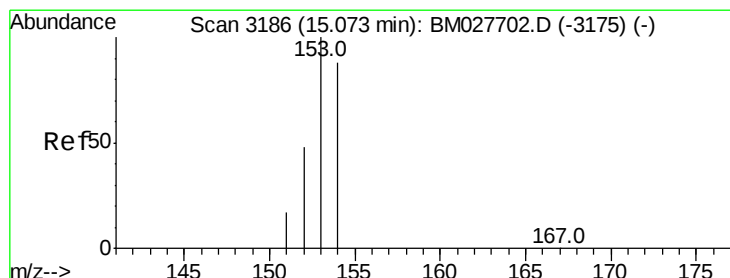
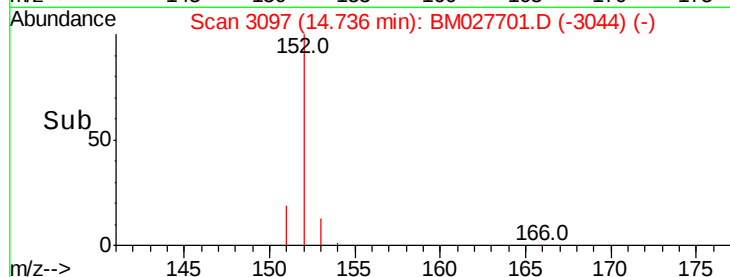
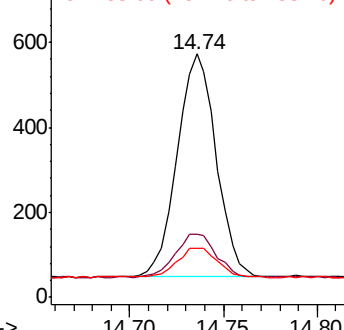


Abundance

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: 0.200 ng/ul

RT: 15.07 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BM027701.D

Acq: 05 Nov 2020 01:58

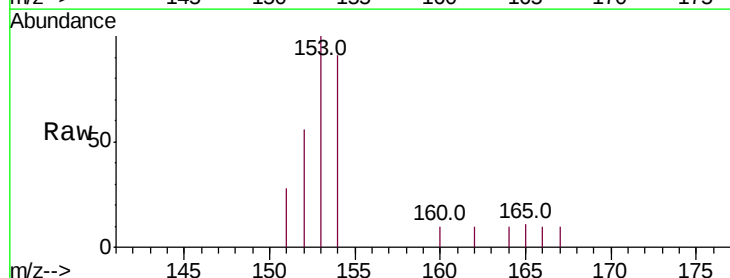
Tgt Ion:153 Resp: 590

Ion Ratio Lower Upper

153 100

152 56.2 40.6 60.8

154 90.9 71.0 106.4

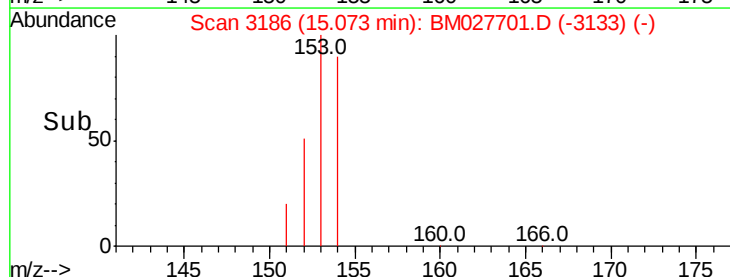
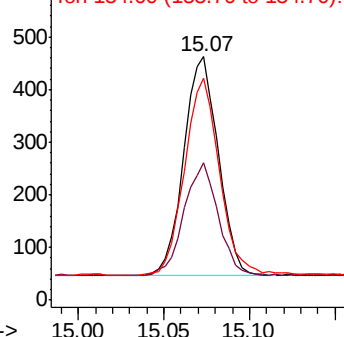


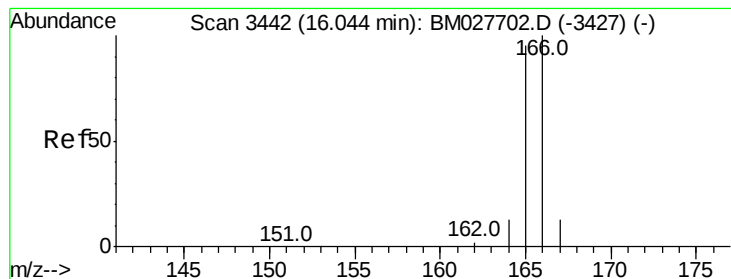
Abundance

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: 0.202 ng/ul

RT: 16.04 min Scan# 3442

Delta R.T. 0.00 min

Lab File: BM027701.D

Acq: 05 Nov 2020 01:58

Instrument :

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SSTD0.2042

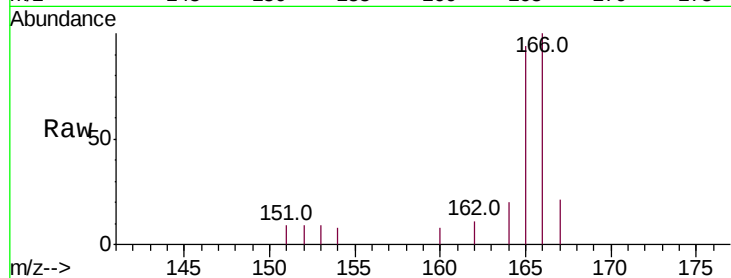
Tot Ion:166 Resp: 696

Ion Ratio Lower Upper

166 100

165 94.2 76.2 114.4

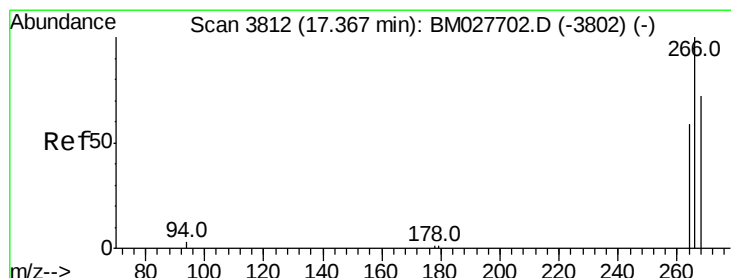
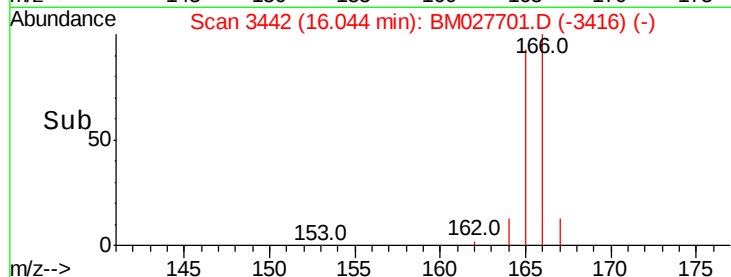
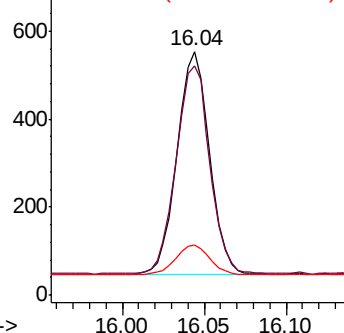
167 20.6 13.7 20.5#



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: 0.193 ng/ul

RT: 17.37 min Scan# 3812

Delta R.T. 0.00 min

Lab File: BM027701.D

Acq: 05 Nov 2020 01:58

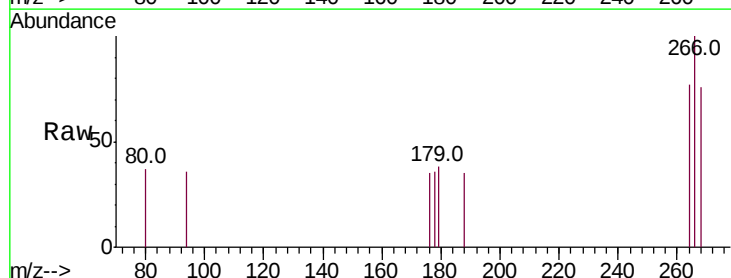
Tgt Ion:266 Resp: 121

Ion Ratio Lower Upper

266 100

264 66.1 48.2 72.4

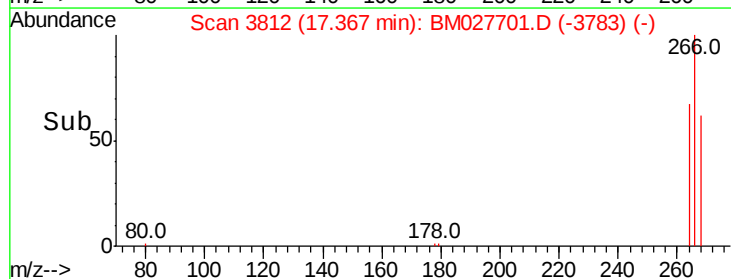
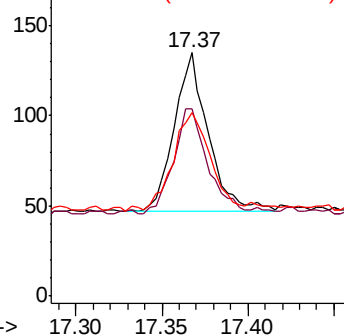
268 69.4 53.4 80.0

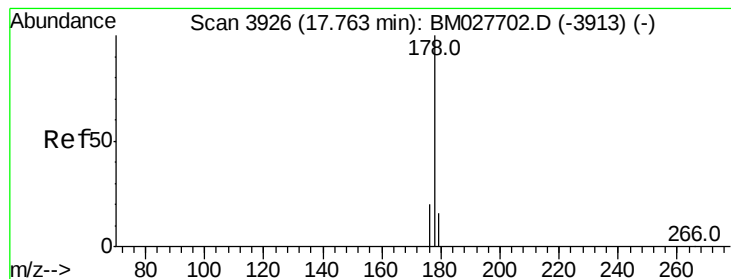


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.196 ng/ul

RT: 17.76 min Scan# 3926

Delta R.T. 0.00 min

Lab File: BM027701.D

Acq: 05 Nov 2020 01:58

Instrument :

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ClientSampleId :

SSTD0.2042

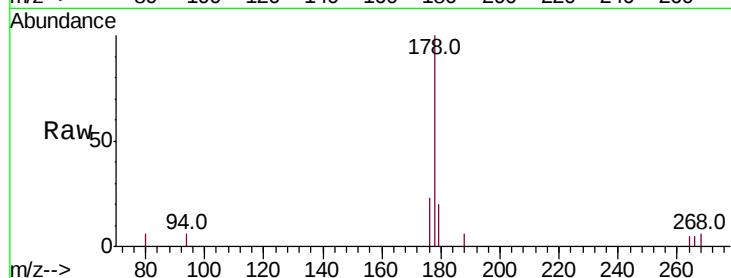
Tot Ion:178 Resp: 1128

Ion Ratio Lower Upper

178 100

179 19.6 14.6 22.0

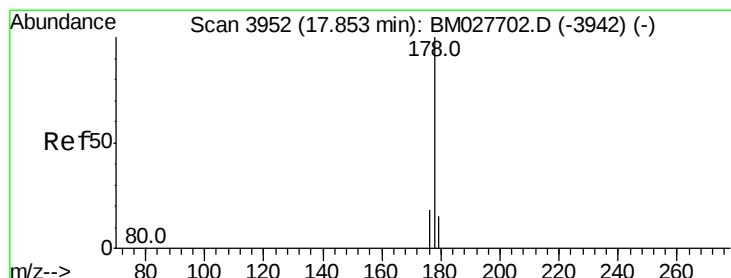
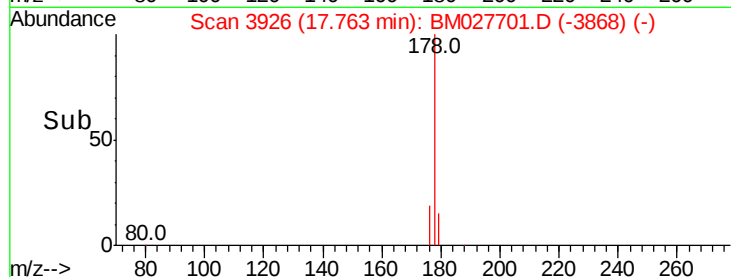
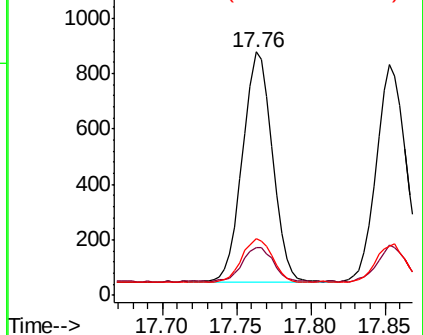
176 23.3 18.2 27.2



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: 0.154 ng/ul

RT: 17.76 min Scan# 3926

Delta R.T. -0.09 min

Lab File: BM027701.D

Acq: 05 Nov 2020 01:58

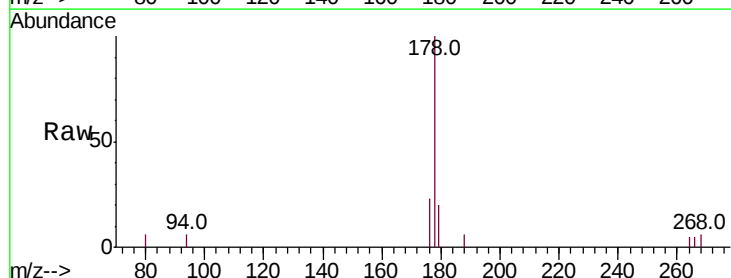
Tgt Ion:178 Resp: 856

Ion Ratio Lower Upper

178 100

179 19.6 14.1 21.1

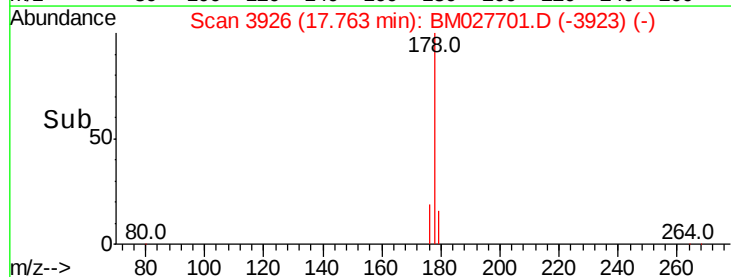
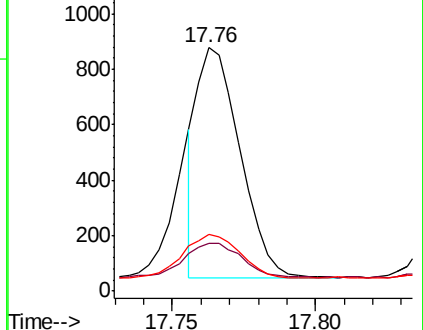
176 23.3 16.3 24.5

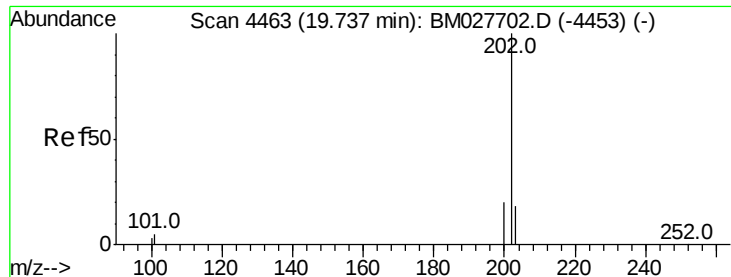


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 0.194 ng/ul

RT: 19.74 min Scan# 4463

Delta R.T. 0.00 min

Lab File: BM027701.D

Acq: 05 Nov 2020 01:58

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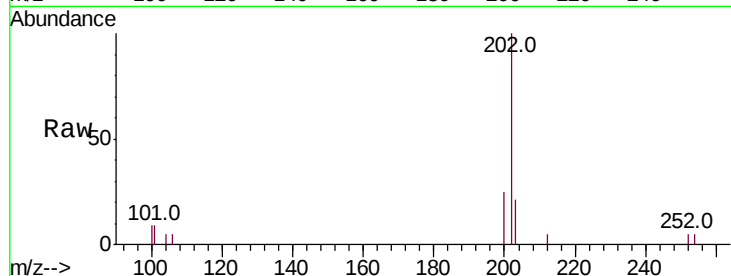
Tot Ion:202 Resp: 1290

Ion Ratio Lower Upper

202 100

101 9.4 6.1 9.1#

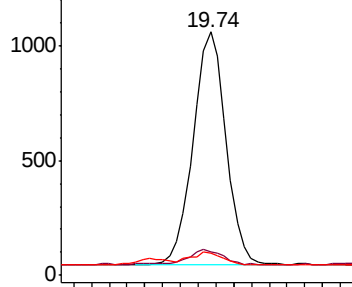
100 9.0 5.8 8.6#



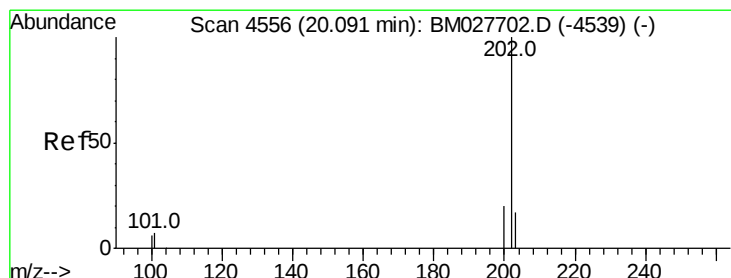
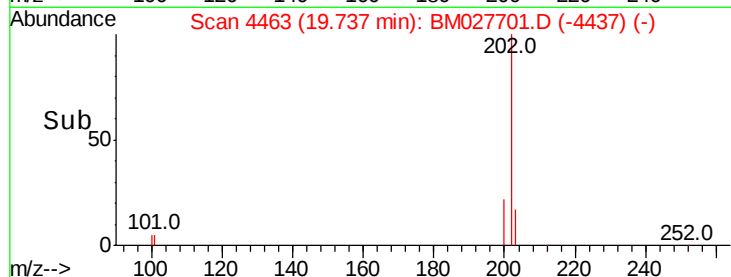
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#20

Pyrene

Concen: 0.195 ng/ul

RT: 20.09 min Scan# 4556

Delta R.T. 0.00 min

Lab File: BM027701.D

Acq: 05 Nov 2020 01:58

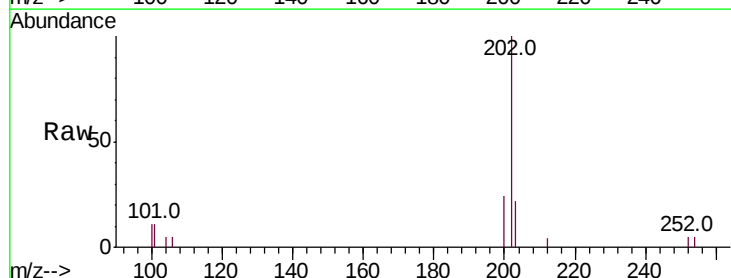
Tgt Ion:202 Resp: 1307

Ion Ratio Lower Upper

202 100

101 11.4 7.4 11.0#

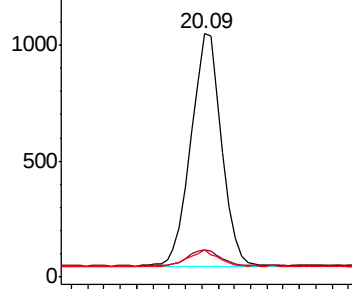
100 11.0 6.6 9.8#



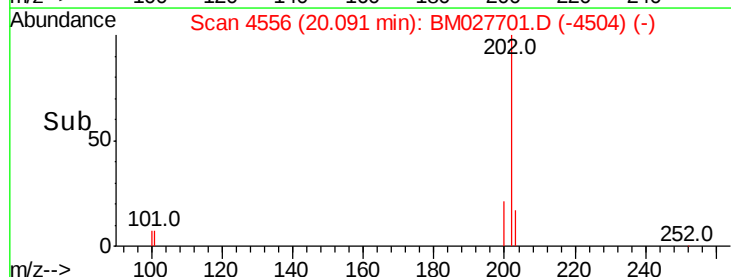
Abundance Ion 202.00 (201.70 to 202.70): E

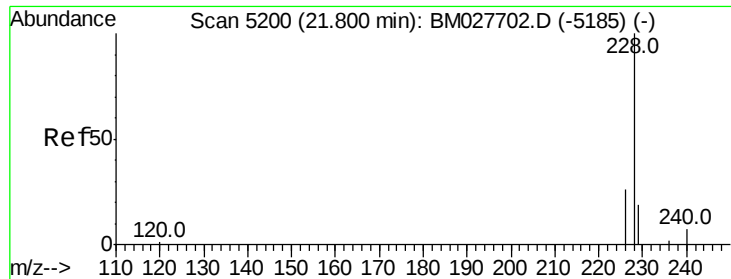
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->

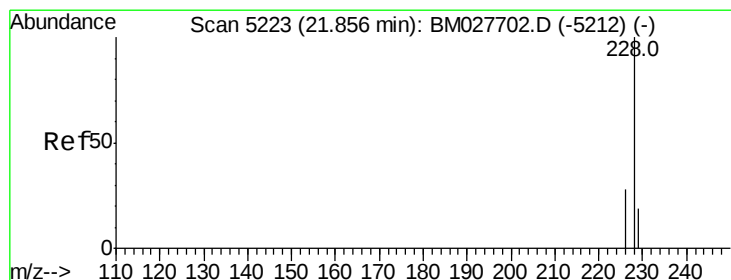
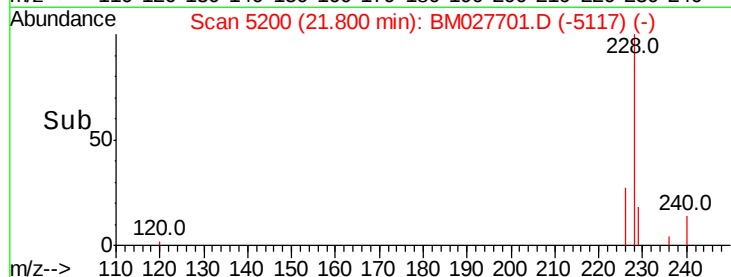
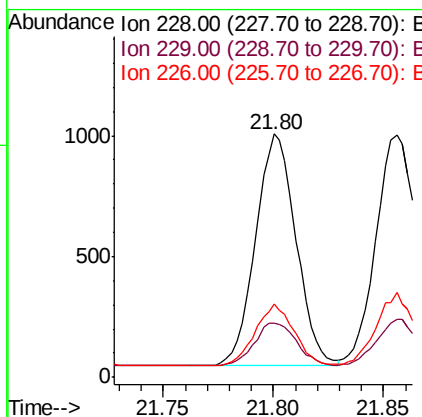
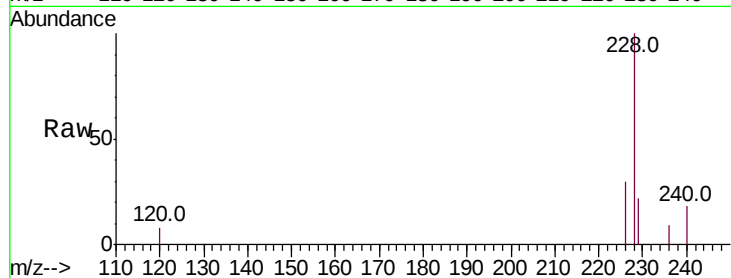




#21
Benzo(a)anthracene
Concen: 0.201 ng/ul
RT: 21.80 min Scan# 5200
Delta R.T. 0.00 min
Lab File: BM027701.D
Acq: 05 Nov 2020 01:58

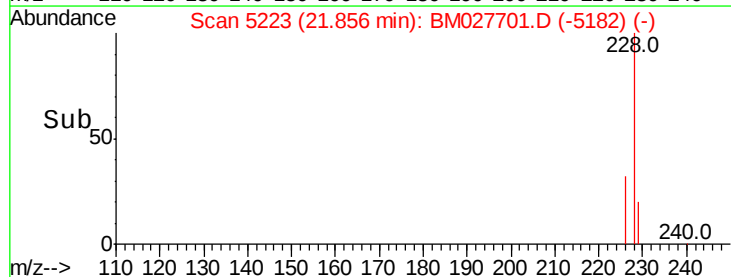
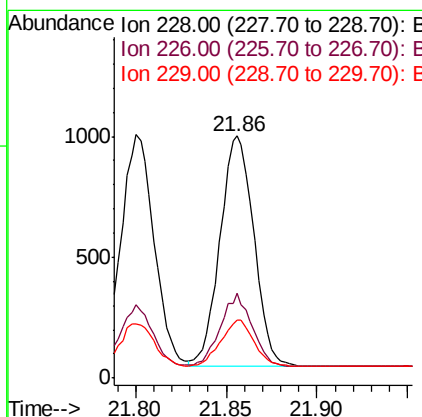
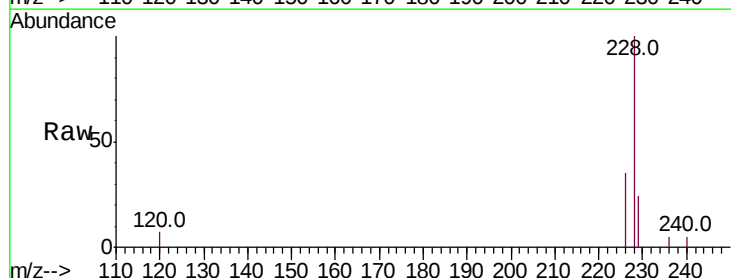
Instrument :
BNA_M
ClientSampleId :
SSTD0.2042

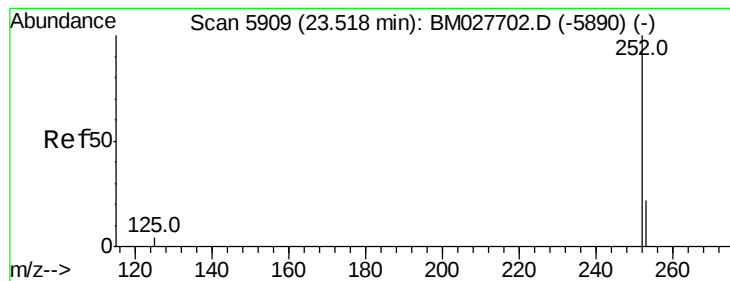
Tot Ion:228 Resp: 1225
Ion Ratio Lower Upper
228 100
229 22.3 17.0 25.4
226 30.1 22.0 33.0



#22
Chrysene
Concen: 0.197 ng/ul
RT: 21.86 min Scan# 5223
Delta R.T. 0.00 min
Lab File: BM027701.D
Acq: 05 Nov 2020 01:58

Tgt Ion:228 Resp: 1240
Ion Ratio Lower Upper
228 100
226 34.8 24.0 36.0
229 24.0 16.9 25.3





#24

Benzo(b)fluoranthene

Concen: 0.196 ng/ul

RT: 23.52 min Scan# 5908

Delta R.T. -0.00 min

Lab File: BM027701.D

Acq: 05 Nov 2020 01:58

Instrument :

BNA_M

ClientSampleId :

SSTD0.2042

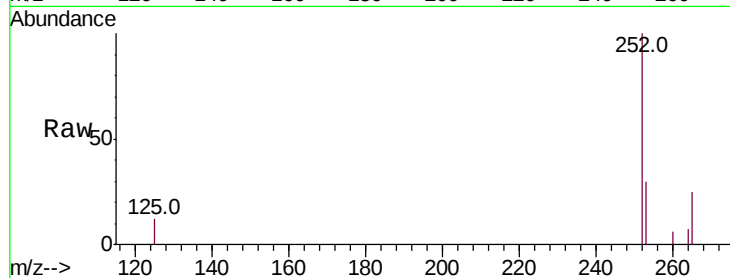
Tot Ion:252 Resp: 1189

Ion Ratio Lower Upper

252 100

253 30.5 0.0 53.0

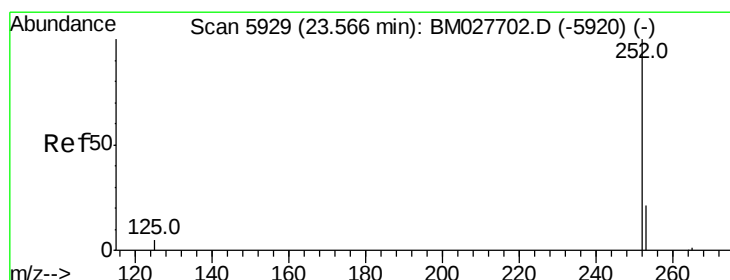
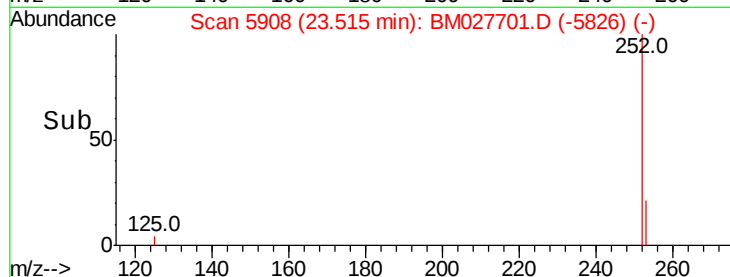
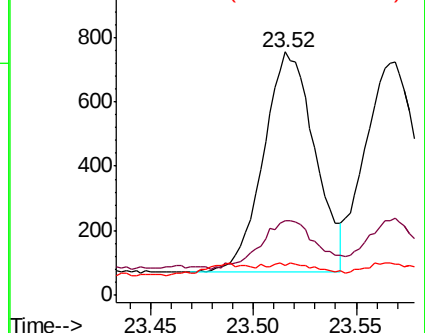
125 12.5 0.0 17.6



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: 0.198 ng/ul

RT: 23.57 min Scan# 5930

Delta R.T. 0.00 min

Lab File: BM027701.D

Acq: 05 Nov 2020 01:58

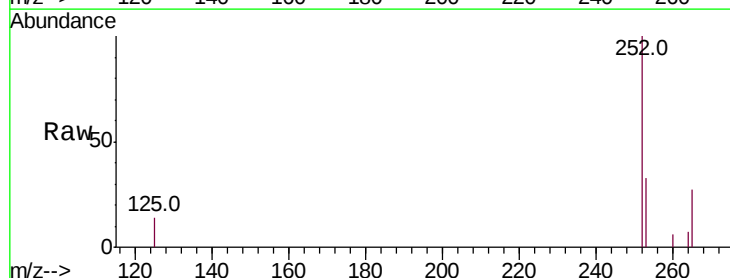
Tgt Ion:252 Resp: 1196

Ion Ratio Lower Upper

252 100

253 33.0 21.4 32.2#

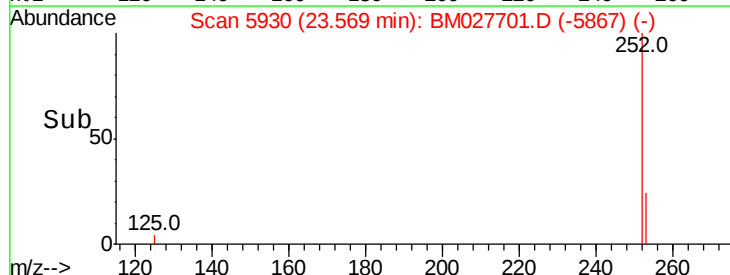
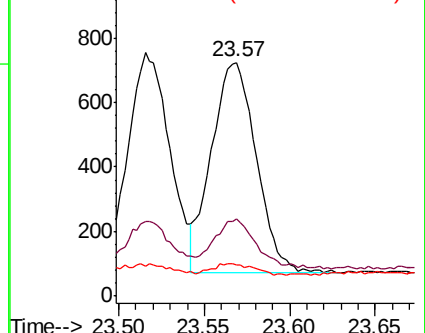
125 13.5 7.4 11.0#

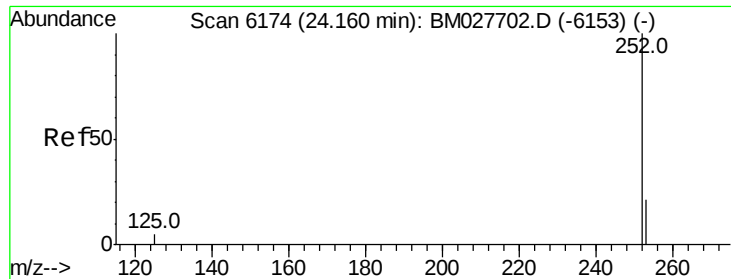


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.198 ng/ul

RT: 24.16 min Scan# 6173

Delta R.T. -0.00 min

Lab File: BM027701.D

Acq: 05 Nov 2020 01:58

Instrument :

BNA_M

ClientSampleId :

SSTD0.2042

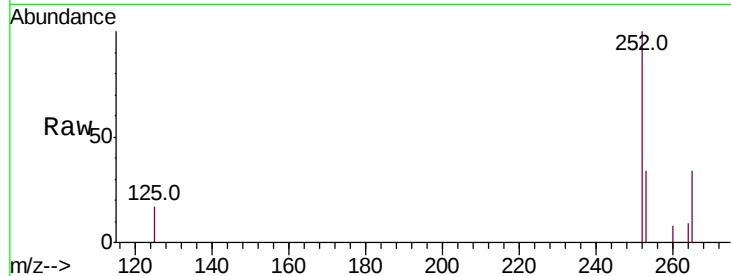
Tot Ion:252 Resp: 1061

Ion Ratio Lower Upper

252 100

253 34.1 22.3 33.5#

125 16.8 8.8 13.2#

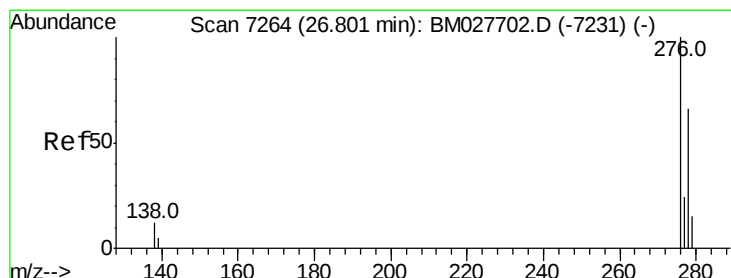
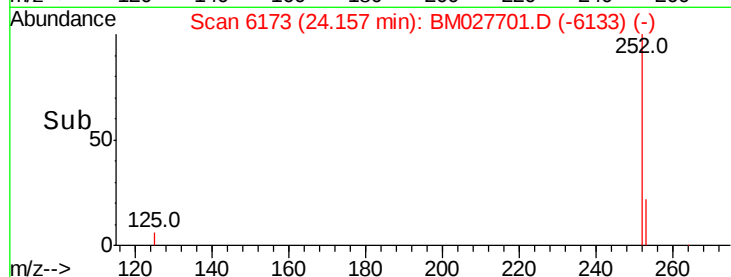
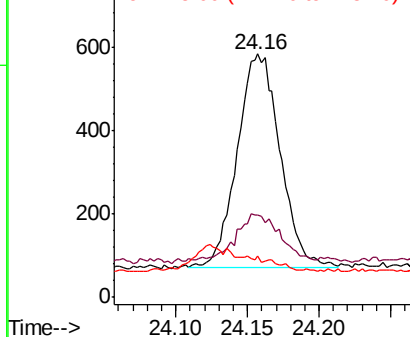


Abundance

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: 0.197 ng/ul

RT: 26.80 min Scan# 7264

Delta R.T. 0.00 min

Lab File: BM027701.D

Acq: 05 Nov 2020 01:58

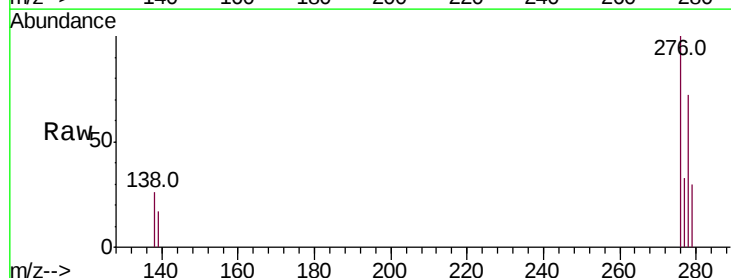
Tgt Ion:276 Resp: 1227

Ion Ratio Lower Upper

276 100

138 13.8 11.0 16.6

227 0.0 0.0 0.0

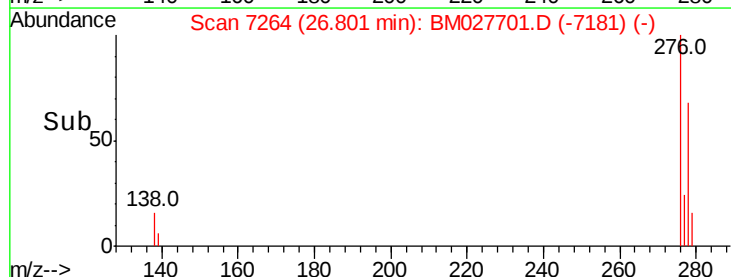
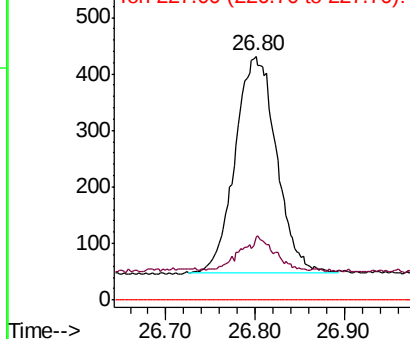


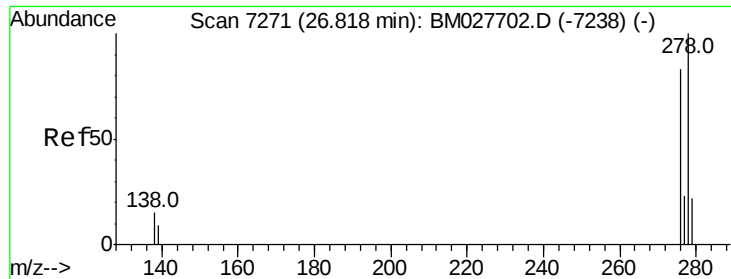
Abundance

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: 0.198 ng/ul

RT: 26.82 min Scan# 7271

Delta R.T. 0.00 min

Lab File: BM027701.D

Acq: 05 Nov 2020 01:58

Instrument :

BNA_M

ClientSampleId :

SSTD0.2042

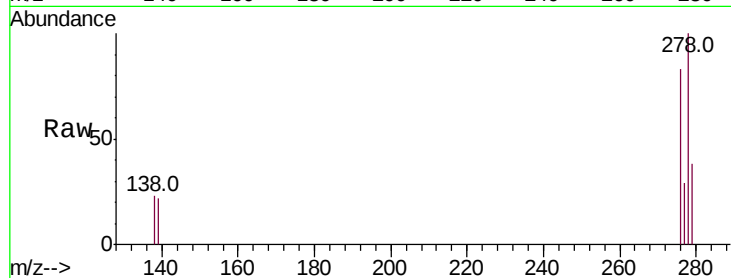
Tot Ion:278 Resp: 1026

Ion Ratio Lower Upper

278 100

139 22.3 12.6 18.8#

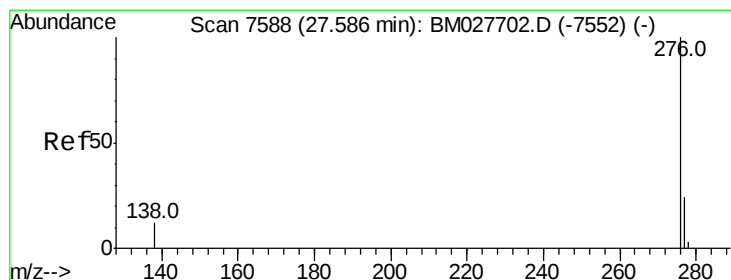
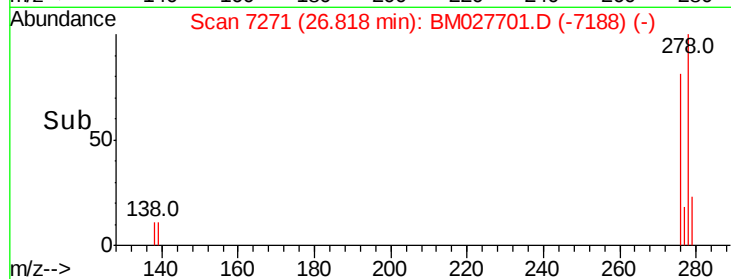
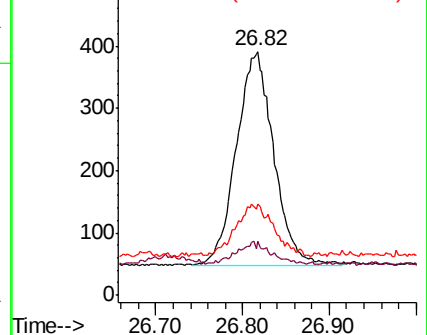
279 37.6 24.3 36.5#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#29

Benzo(g,h,i)perylene

Concen: 0.195 ng/ul

RT: 27.58 min Scan# 7586

Delta R.T. -0.00 min

Lab File: BM027701.D

Acq: 05 Nov 2020 01:58

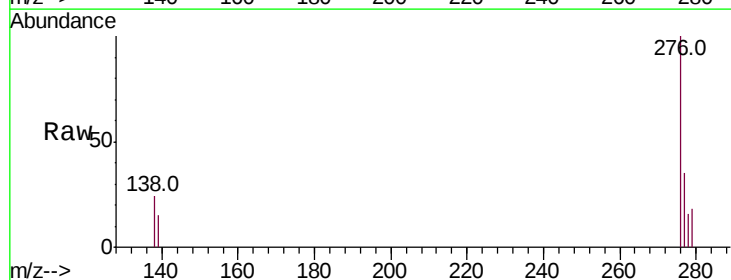
Tgt Ion:276 Resp: 1041

Ion Ratio Lower Upper

276 100

138 23.6 15.0 22.4#

277 34.5 24.2 36.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

