

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110520\
 Data File : BM027705.D
 Acq On : 05 Nov 2020 04:22
 Operator : JU/CG
 Sample : SSTD3.202
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.2026

Quant Time: Nov 05 04:54:44 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

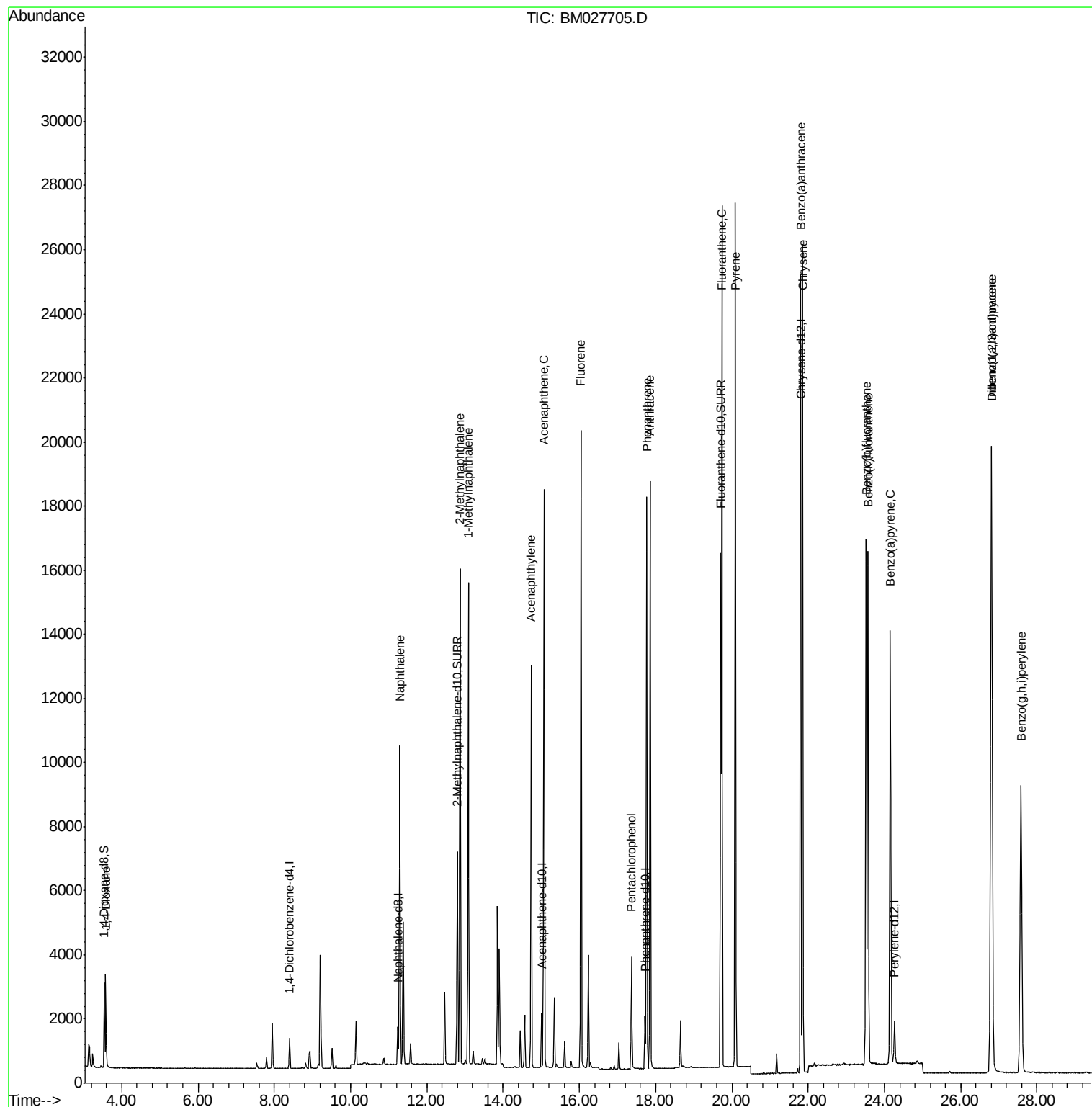
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	440	0.40	ng/ul	0.00
4) Naphthalene-d8	11.24	136	1530	0.40	ng/ul	0.00
9) Acenaphthene-d10	15.01	164	962	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.72	188	2030	0.40	ng/ul	0.00
19) Chrysene-d12	21.82	240	1921	0.40	ng/ul	0.00
23) Perylene-d12	24.26	264	1793	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	1491	1.65	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.80	152	7953	3.23	ng/ul	0.00
17) Fluoranthene-d10	19.71	212	17852	3.34	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.58	88	1665	2.720	ng/ul	90
5) Naphthalene	11.29	128	13472	3.166	ng/ul#	92
7) 2-Methylnaphthalene	12.87	142	9434	3.289	ng/ul	99
8) 1-Methylnaphthalene	13.09	142	8874	3.255	ng/ul	100
10) Acenaphthylene	14.74	152	13777	3.117	ng/ul	94
11) Acenaphthene	15.07	153	10274	3.121	ng/ul	98
12) Fluorene	16.04	166	12330	3.219	ng/ul#	99
14) Pentachlorophenol	17.36	266	2231	3.407	ng/ul	97
15) Phenanthrene	17.76	178	18857	3.130	ng/ul	94
16) Anthracene	17.85	178	19405	3.341	ng/ul	96
18) Fluoranthene	19.74	202	23026	3.319	ng/ul#	96
20) Pyrene	20.09	202	23142	2.952	ng/ul	96
21) Benzo(a)anthracene	21.80	228	21602	3.043	ng/ul	98
22) Chrysene	21.86	228	22358	3.036	ng/ul	98
24) Benzo(b)fluoranthene	23.52	252	21822	2.951	ng/ul	92
25) Benzo(k)fluoranthene	23.57	252	22637	3.069	ng/ul#	91
26) Benzo(a)pyrene	24.16	252	20899	3.195	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.80	276	25355	3.342	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.82	278	21241	3.362	ng/ul#	89
29) Benzo(g,h,i)perylene	27.58	276	21701	3.339	ng/ul#	89

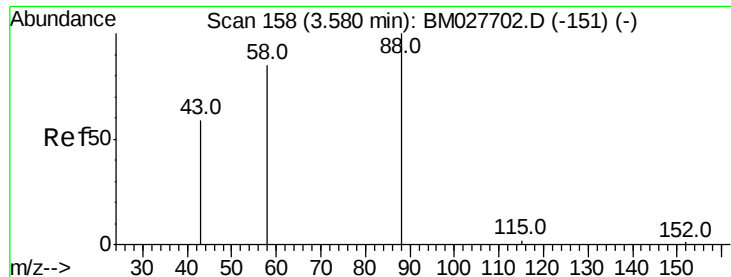
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 2.720 ng/ul

RT: 3.58 min Scan# 157

Delta R.T. -0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

Instrument :

BNA_M

ClientSampleId :

SSTD3.2026

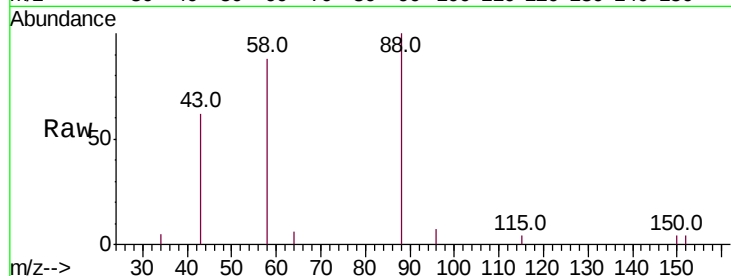
Tot Ion: 88 Resp: 1665

Ion Ratio Lower Upper

88 100

43 61.9 61.8 92.6

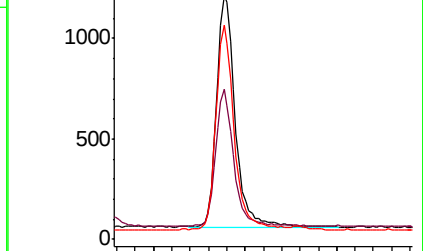
58 88.0 67.8 101.8



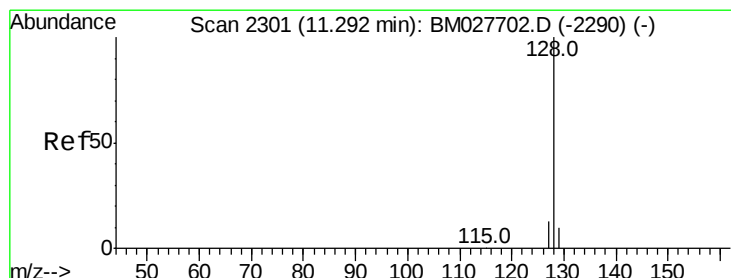
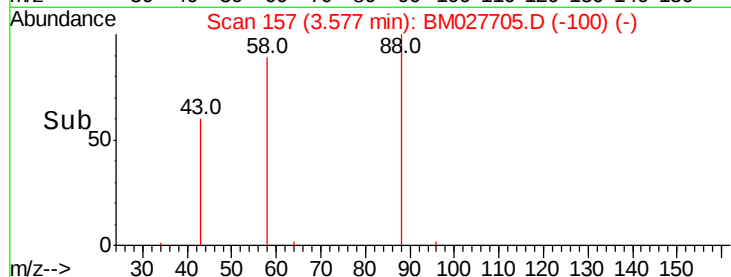
Abundance Ion 88.00 (87.70 to 88.70): BM027705.D (-100) (-)

Ion 43.00 (42.70 to 43.70): BM027705.D (-100) (-)

Ion 58.00 (57.70 to 58.70): BM027705.D (-100) (-)



Time-->



#5

Naphthalene

Concen: 3.166 ng/ul

RT: 11.29 min Scan# 2300

Delta R.T. -0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

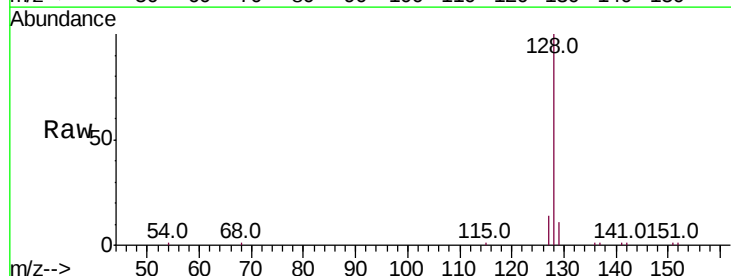
Tgt Ion: 128 Resp: 13472

Ion Ratio Lower Upper

128 100

129 11.1 11.7 17.5#

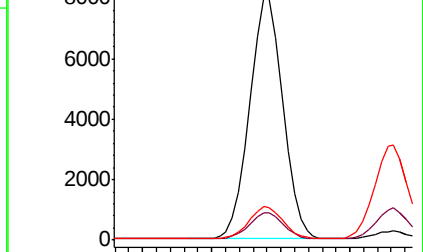
127 13.9 14.0 21.0#



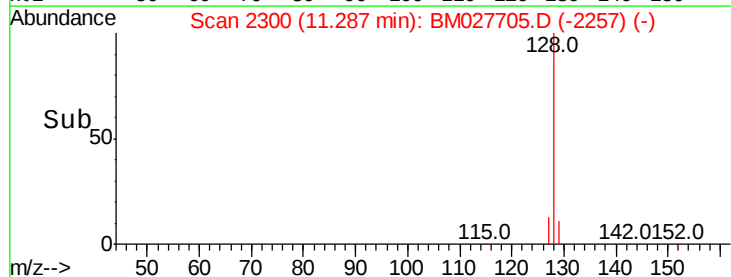
Abundance Ion 128.00 (127.70 to 128.70): BM027705.D (-2257) (-)

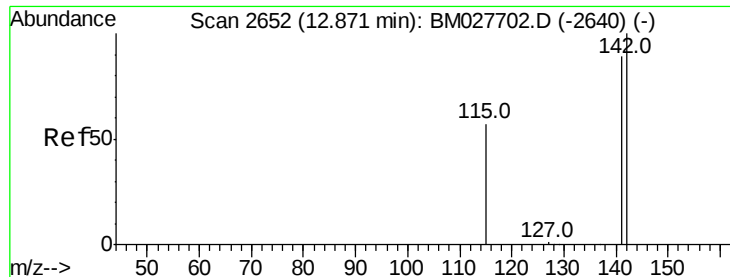
Ion 129.00 (128.70 to 129.70): BM027705.D (-2257) (-)

Ion 127.00 (126.70 to 127.70): BM027705.D (-2257) (-)



Time-->





#7

2-Methylnaphthalene

Concen: 3.289 ng/ul

RT: 12.87 min Scan# 2652

Delta R.T. 0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

Instrument :

BNA_M

ClientSampleId :

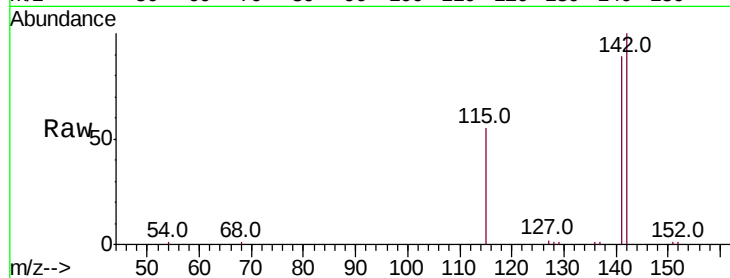
SSTD3.2026

Tot Ion:142 Resp: 9434

Ion Ratio Lower Upper

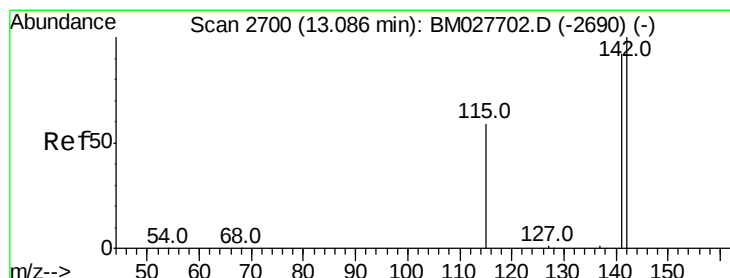
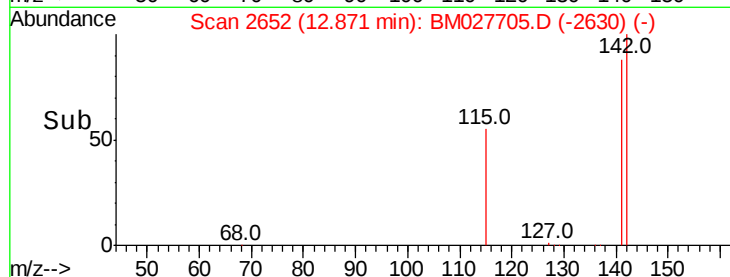
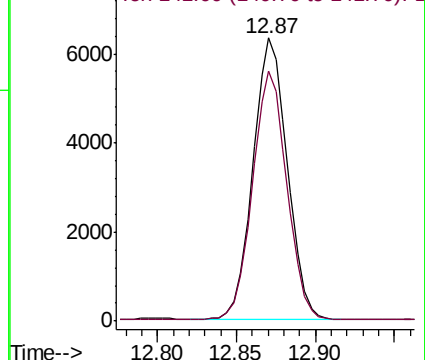
142 100

141 88.1 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 3.255 ng/ul

RT: 13.09 min Scan# 2700

Delta R.T. 0.00 min

Lab File: BM027705.D

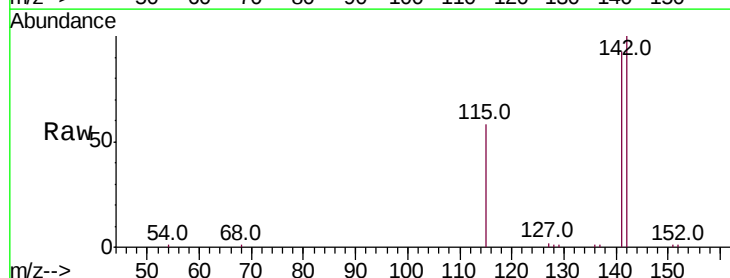
Acq: 05 Nov 2020 04:22

Tgt Ion:142 Resp: 8874

Ion Ratio Lower Upper

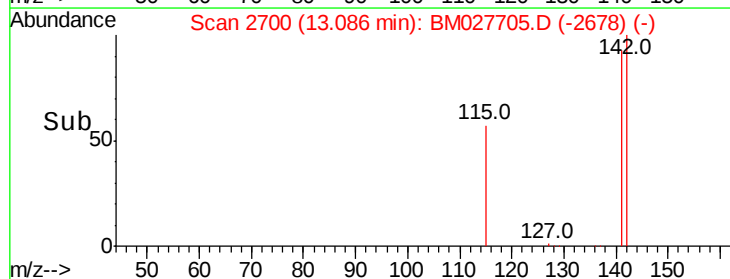
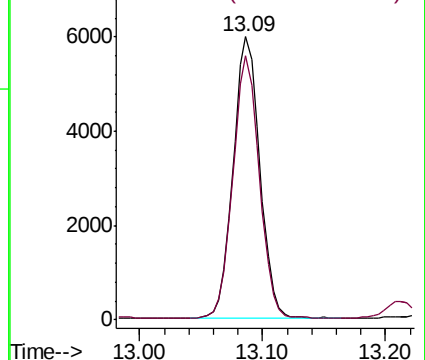
142 100

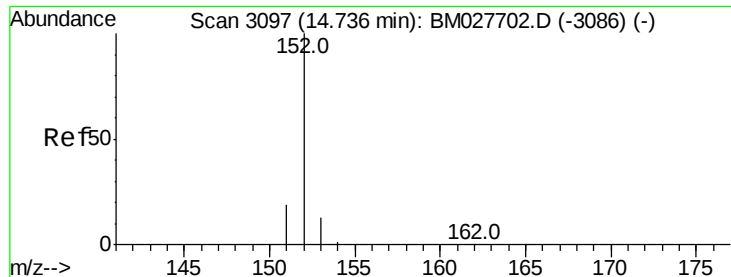
141 92.3 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 3.117 ng/ul

RT: 14.74 min Scan# 3097

Delta R.T. 0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

Instrument :

BNA_M

ClientSampleId :

SSTD3.2026

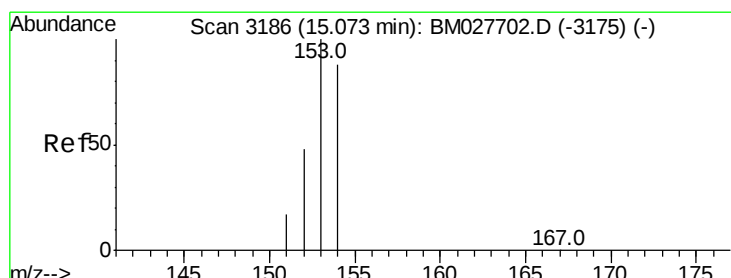
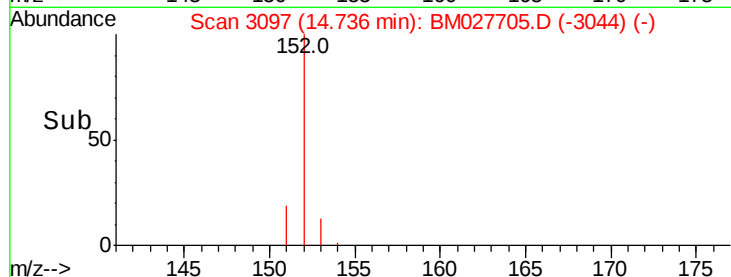
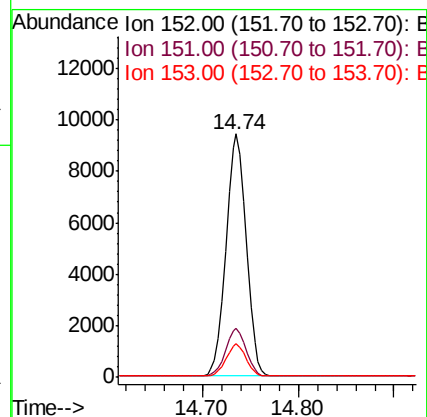
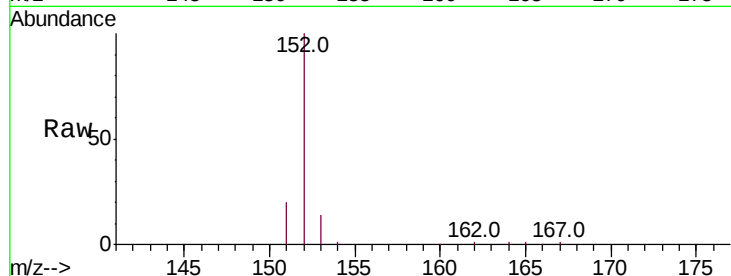
Tot Ion:152 Resp: 13777

Ion Ratio Lower Upper

152 100

151 19.9 17.8 26.8

153 13.6 13.5 20.3



#11

Acenaphthene

Concen: 3.121 ng/ul

RT: 15.07 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

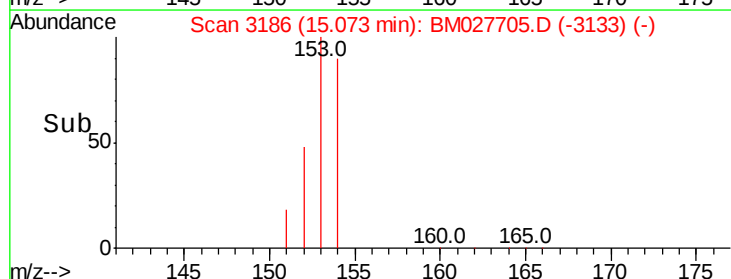
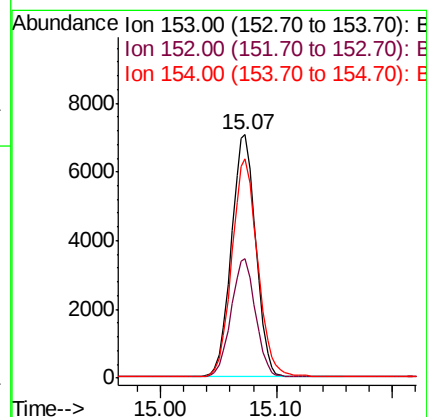
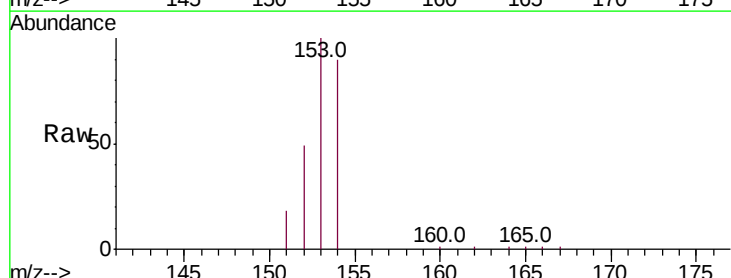
Tgt Ion:153 Resp: 10274

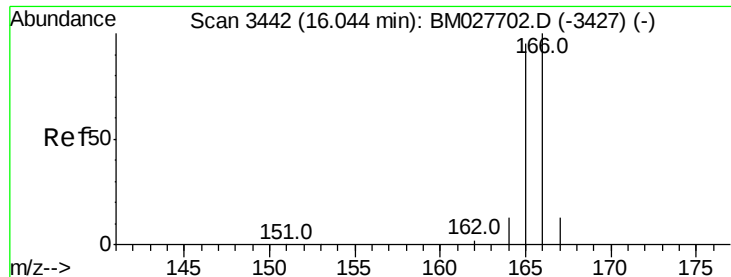
Ion Ratio Lower Upper

153 100

152 48.9 40.6 60.8

154 90.0 71.0 106.4





#12

Fluorene

Concen: 3.219 ng/ul

RT: 16.04 min Scan# 3442

Delta R.T. 0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

Instrument :

BNA_M

ClientSampleId :

SSTD3.2026

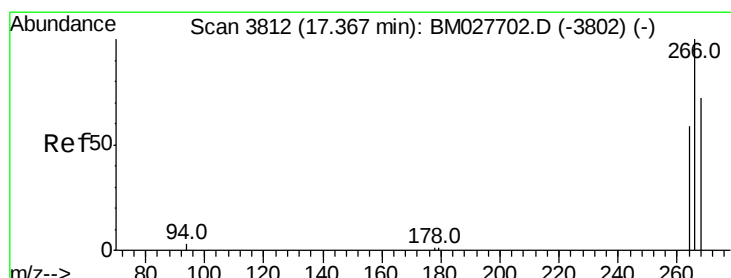
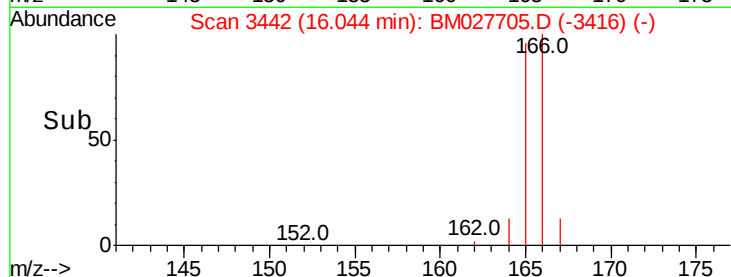
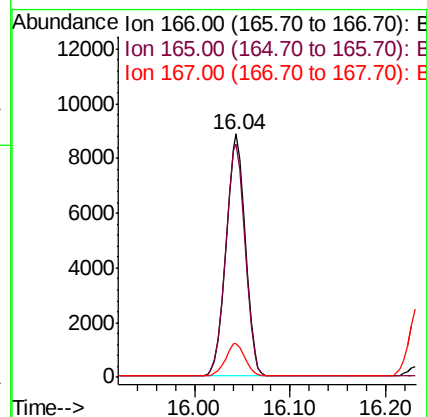
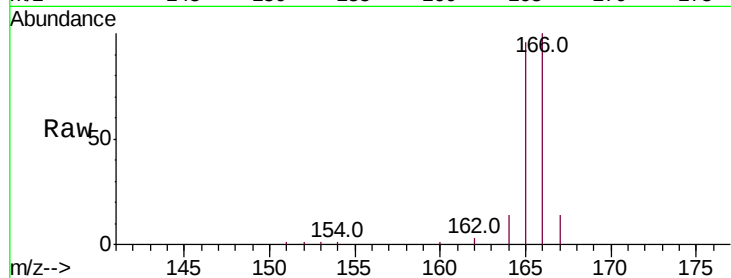
Tot Ion:166 Resp: 12330

Ion Ratio Lower Upper

166 100

165 95.6 76.2 114.4

167 13.6 13.7 20.5#



#14

Pentachlorophenol

Concen: 3.407 ng/ul

RT: 17.36 min Scan# 3811

Delta R.T. -0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

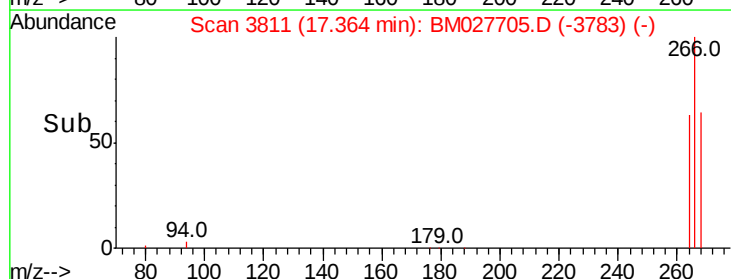
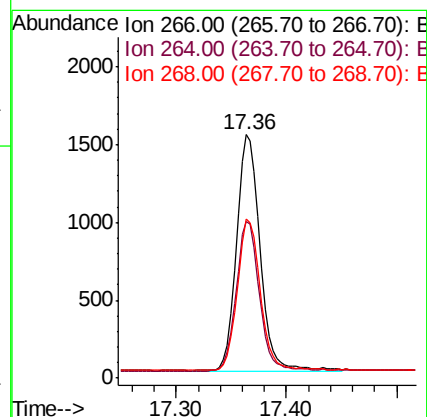
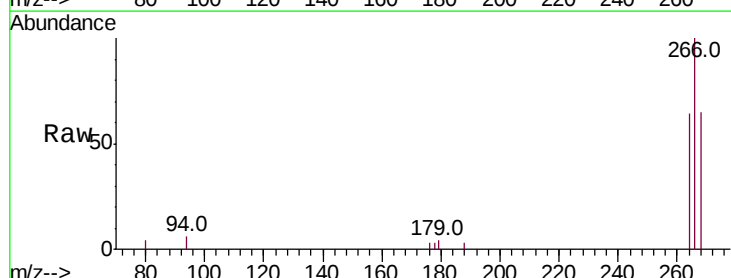
Tgt Ion:266 Resp: 2231

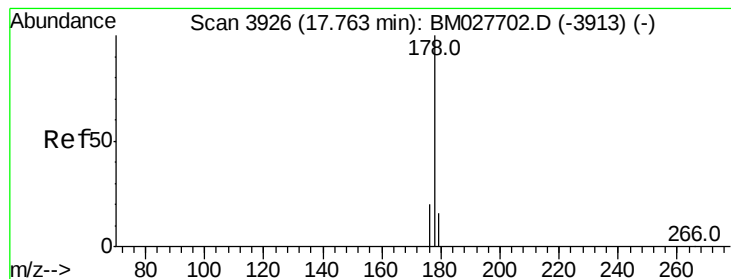
Ion Ratio Lower Upper

266 100

264 62.8 48.2 72.4

268 63.9 53.4 80.0





#15

Phenanthrene

Concen: 3.130 ng/ul

RT: 17.76 min Scan# 3926

Delta R.T. 0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

Instrument :

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ClientSampleId :

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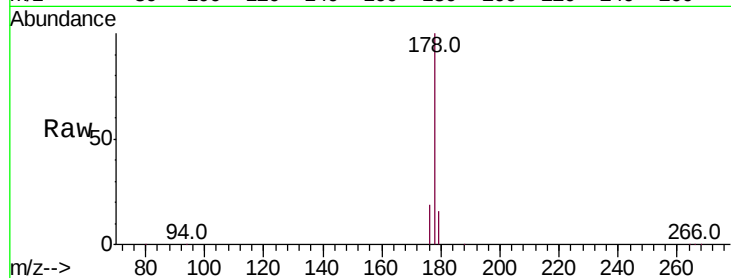
Tot Ion:178 Resp: 18857

Ion Ratio Lower Upper

178 100

179 15.8 14.6 22.0

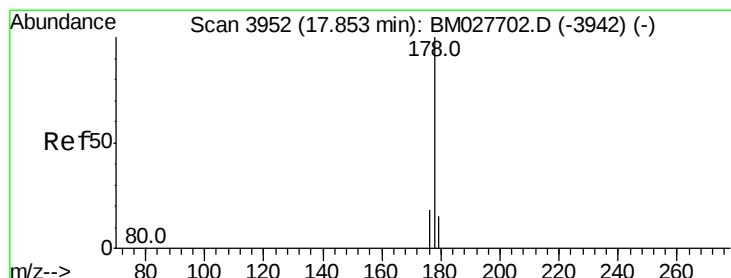
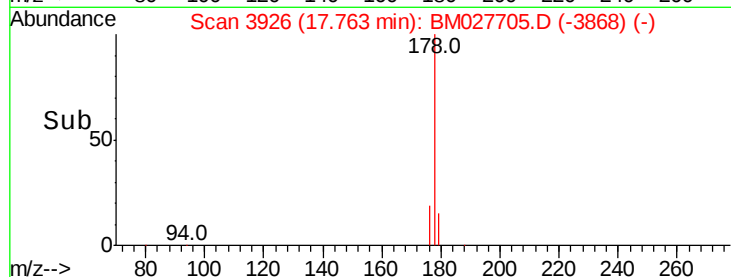
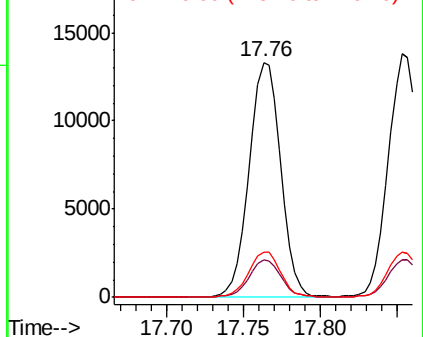
176 19.5 18.2 27.2



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: 3.341 ng/ul

RT: 17.85 min Scan# 3952

Delta R.T. 0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

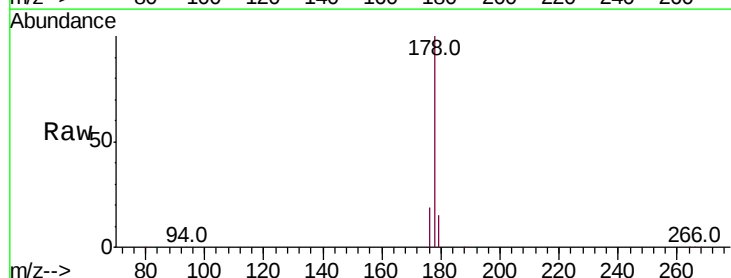
Tgt Ion:178 Resp: 19405

Ion Ratio Lower Upper

178 100

179 15.2 14.1 21.1

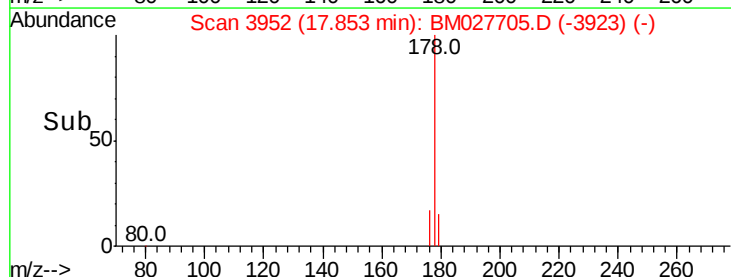
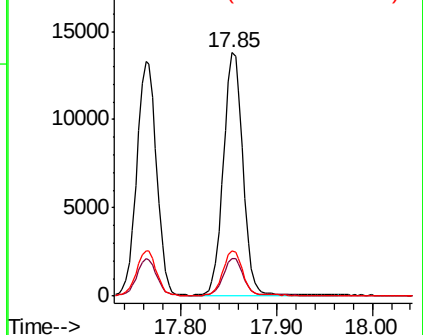
176 18.8 16.3 24.5

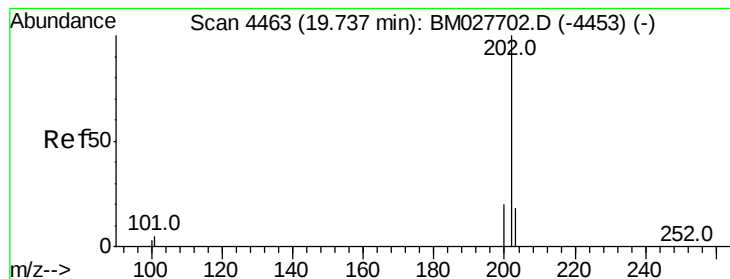


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 3.319 ng/ul

RT: 19.74 min Scan# 4463

Delta R.T. 0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

Instrument :

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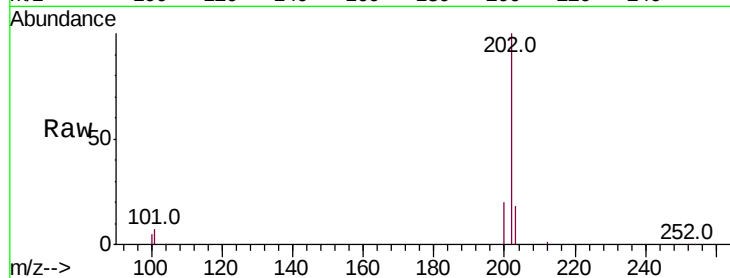
Tot Ion:202 Resp: 23026

Ion Ratio Lower Upper

202 100

101 6.6 6.1 9.1

100 5.5 5.8 8.6#

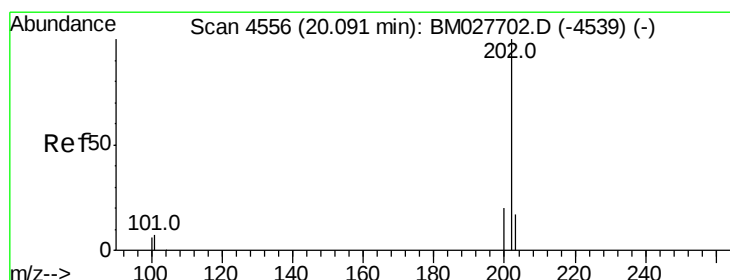
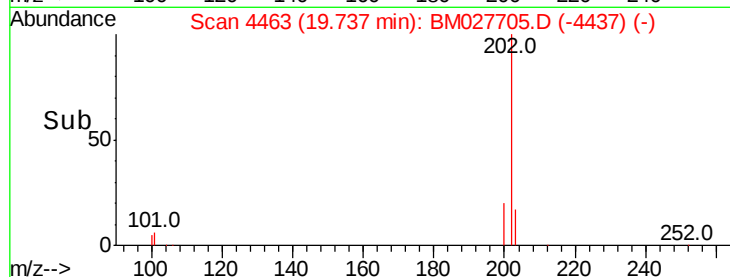
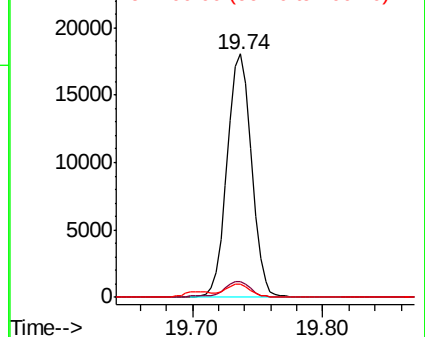


Abundance

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



#20

Pyrene

Concen: 2.952 ng/ul

RT: 20.09 min Scan# 4556

Delta R.T. 0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

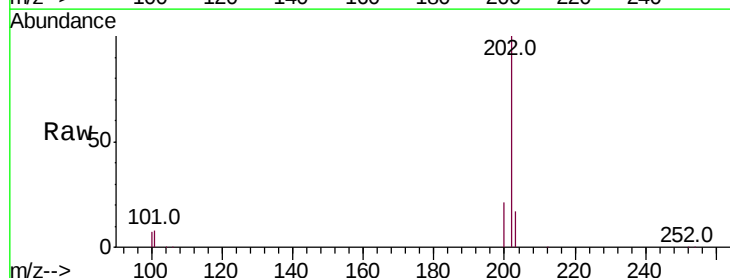
Tgt Ion:202 Resp: 23142

Ion Ratio Lower Upper

202 100

101 7.8 7.4 11.0

100 6.8 6.6 9.8

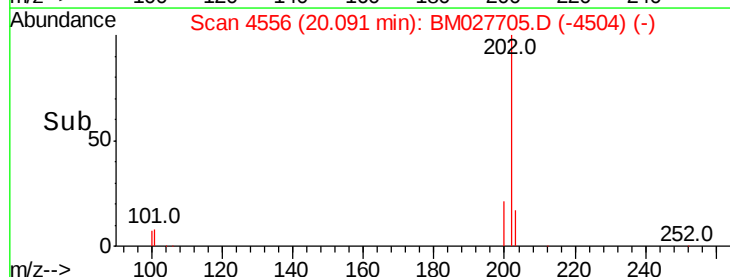
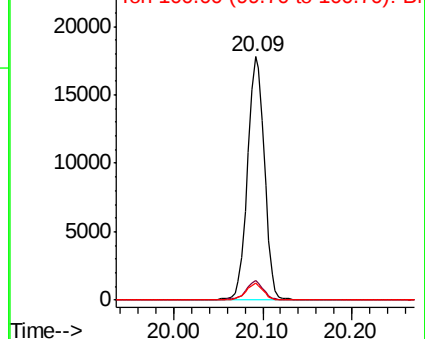


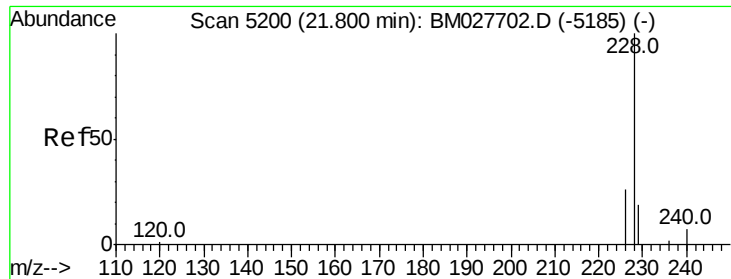
Abundance

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





#21

Benzo(a)anthracene

Concen: 3.043 ng/ul

RT: 21.80 min Scan# 5200

Delta R.T. 0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

Instrument :

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ClientSampleId :

SSTD3.2026

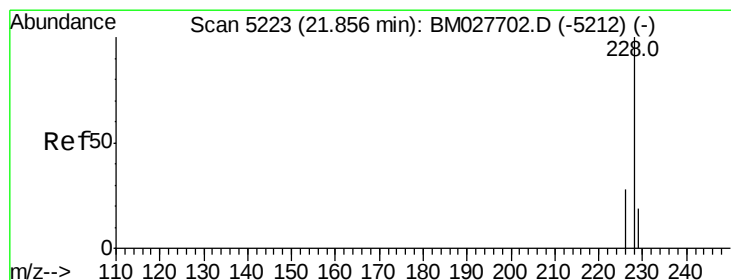
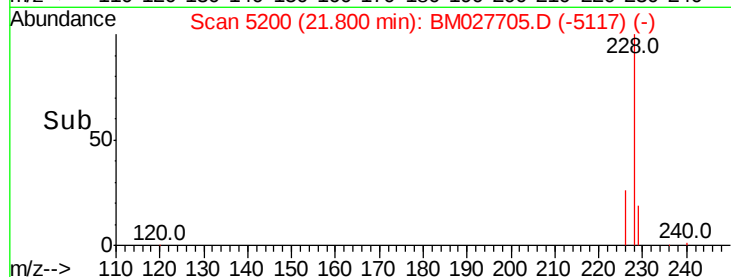
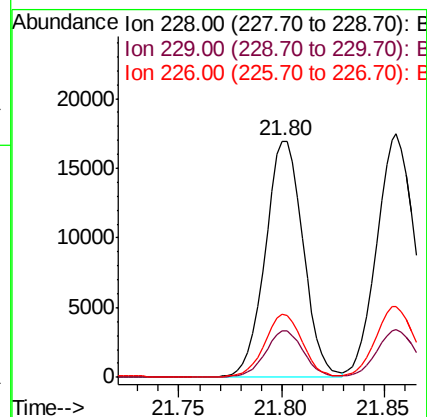
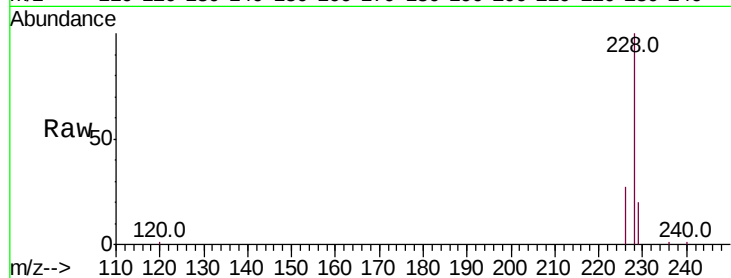
Tot Ion:228 Resp: 21602

Ion Ratio Lower Upper

228 100

229 19.6 17.0 25.4

226 26.6 22.0 33.0



#22

Chrysene

Concen: 3.036 ng/ul

RT: 21.86 min Scan# 5223

Delta R.T. 0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

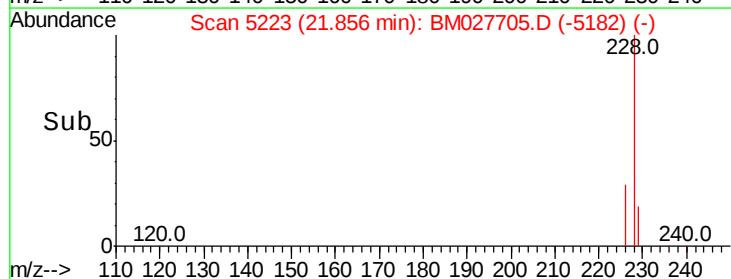
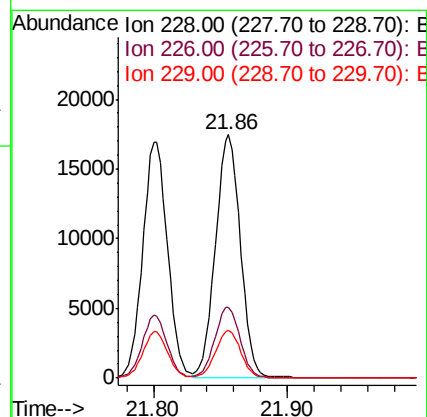
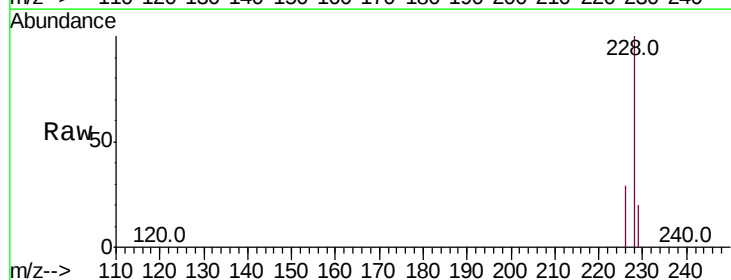
Tgt Ion:228 Resp: 22358

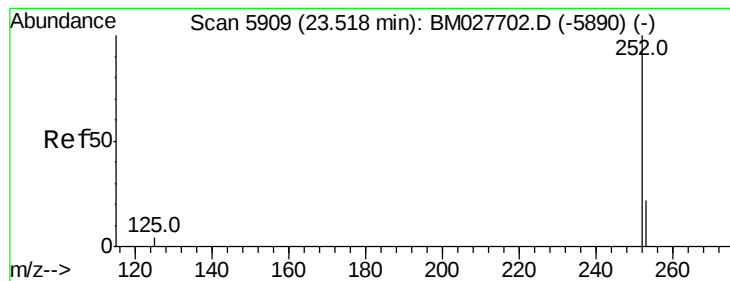
Ion Ratio Lower Upper

228 100

226 29.0 24.0 36.0

229 19.7 16.9 25.3





#24

Benzo(b)fluoranthene

Concen: 2.951 ng/ul

RT: 23.52 min Scan# 5909

Delta R.T. 0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

Instrument :

BNA_M

ClientSampleId :

SSTD3.2026

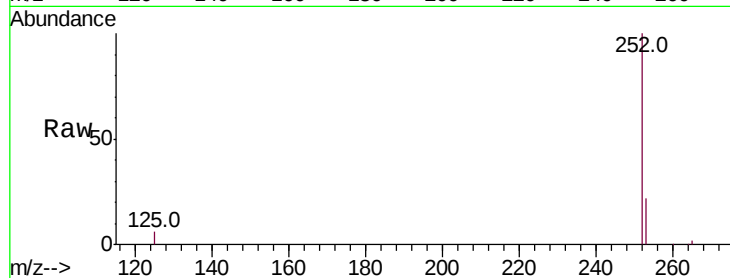
Tot Ion:252 Resp: 21822

Ion Ratio Lower Upper

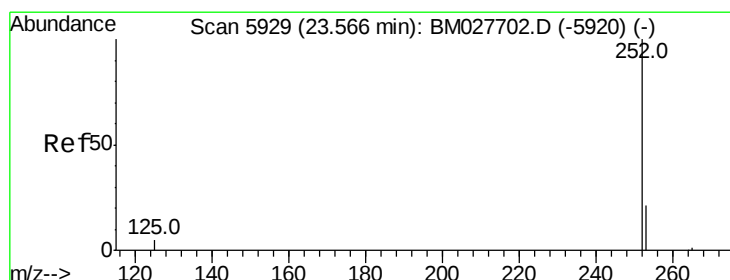
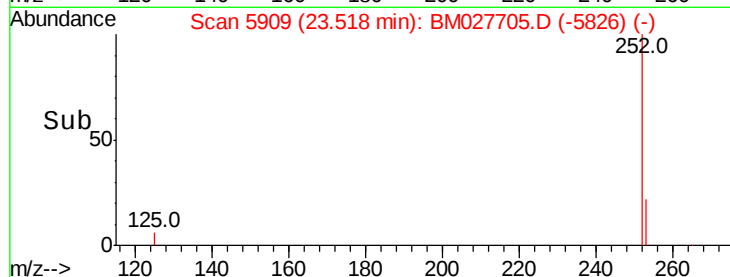
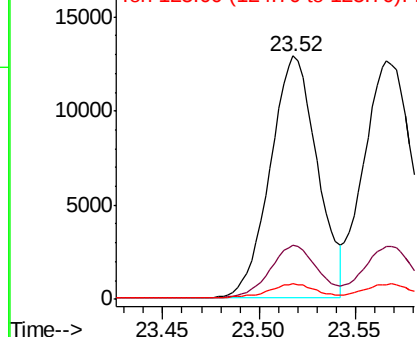
252 100

253 22.1 0.0 53.0

125 6.4 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: 3.069 ng/ul

RT: 23.57 min Scan# 5929

Delta R.T. 0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

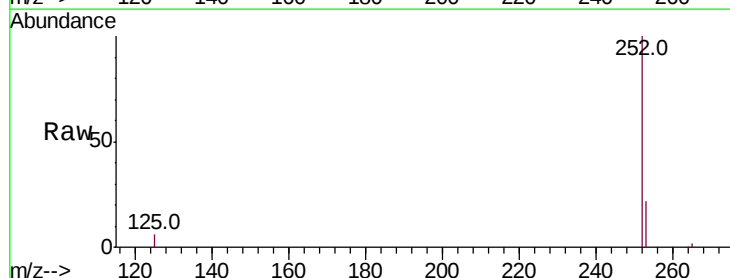
Tgt Ion:252 Resp: 22637

Ion Ratio Lower Upper

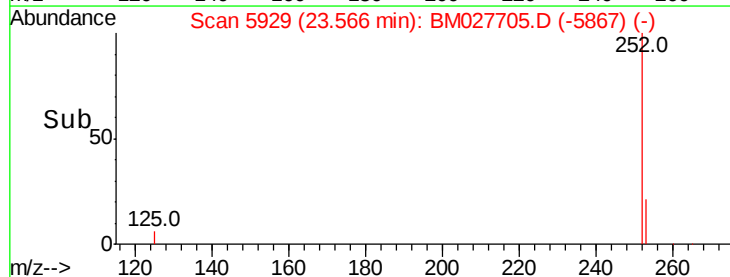
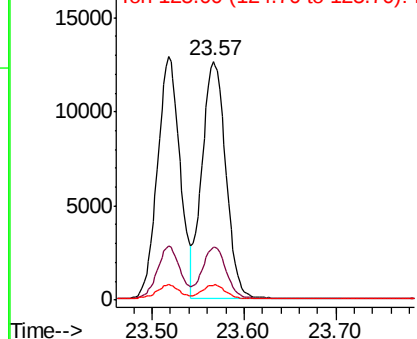
252 100

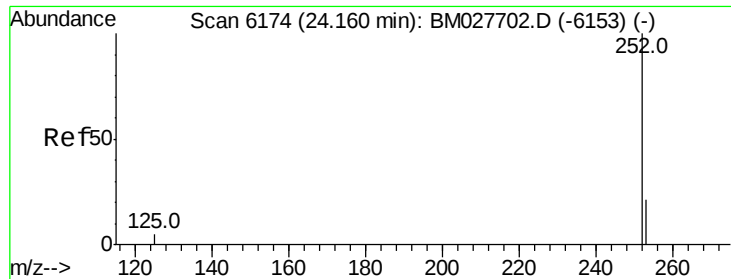
253 21.9 21.4 32.2

125 6.2 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: 3.195 ng/u1

RT: 24.16 min Scan# 6172

Delta R.T. -0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

Instrument :

BNA_M

ClientSampleId :

SSTD3.2026

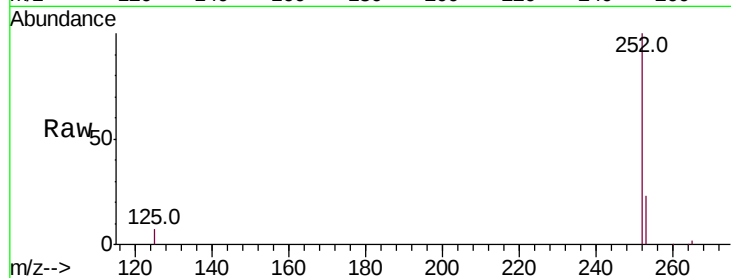
Tot Ion:252 Resp: 20899

Ion Ratio Lower Upper

252 100

253 22.5 22.3 33.5

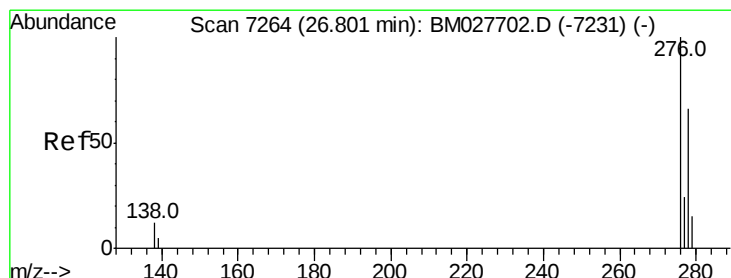
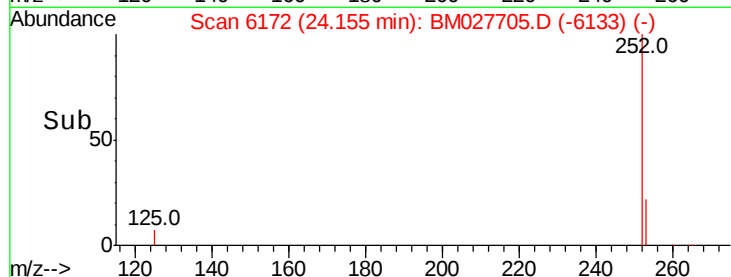
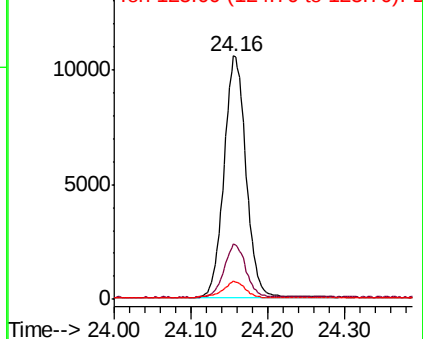
125 7.3 8.8 13.2#



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: 3.342 ng/u1

RT: 26.80 min Scan# 7265

Delta R.T. 0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

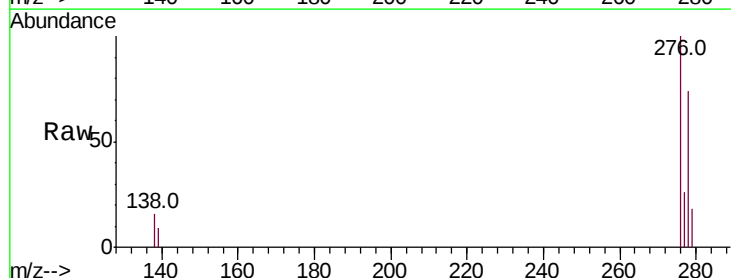
Tgt Ion:276 Resp: 25355

Ion Ratio Lower Upper

276 100

138 15.4 11.0 16.6

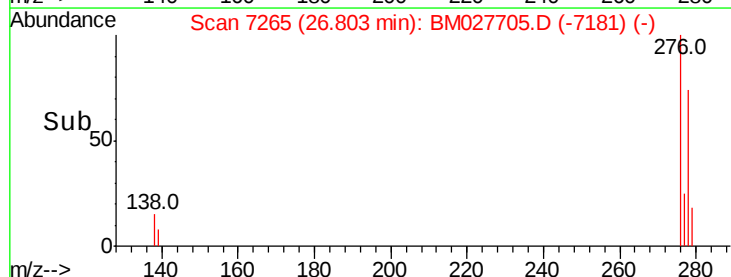
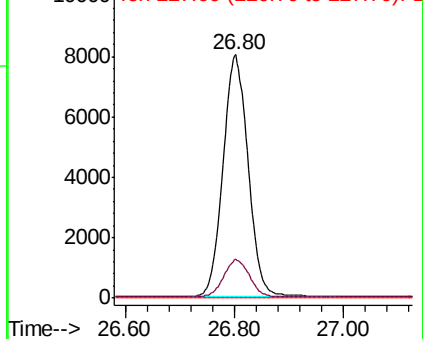
227 0.0 0.0 0.0

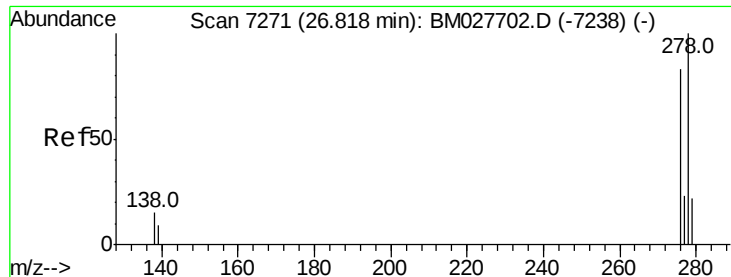


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 3.362 ng/ul

RT: 26.82 min Scan# 7270

Delta R.T. -0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

Instrument :

BNA_M

ClientSampleId :

SSTD3.2026

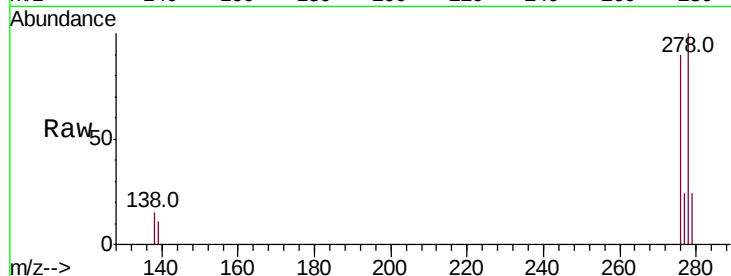
Tot Ion:278 Resp: 21241

Ion Ratio Lower Upper

278 100

139 11.1 12.6 18.8#

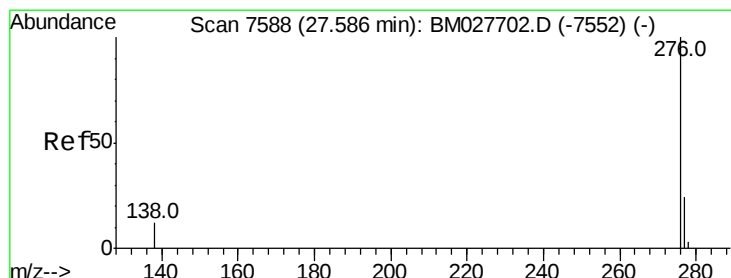
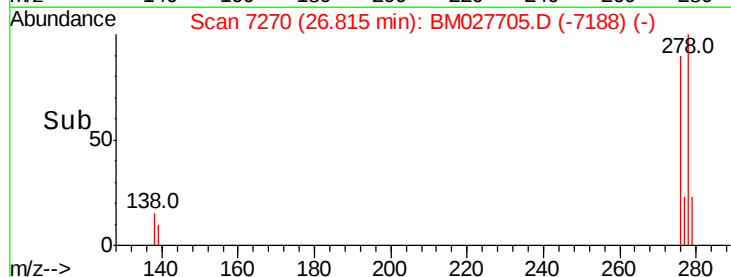
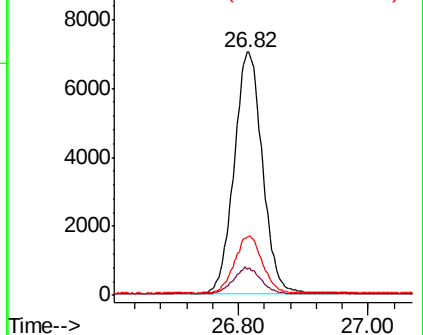
279 24.1 24.3 36.5#



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: 3.339 ng/ul

RT: 27.58 min Scan# 7587

Delta R.T. -0.00 min

Lab File: BM027705.D

Acq: 05 Nov 2020 04:22

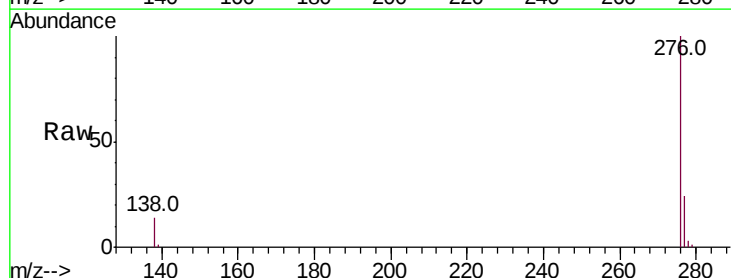
Tgt Ion:276 Resp: 21701

Ion Ratio Lower Upper

276 100

138 13.8 15.0 22.4#

277 24.1 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

