

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062321\
 Data File : BM030559.D
 Acq On : 23 Jun 2021 22:26
 Operator : CG/JU
 Sample : SST00.202
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST00.2602

Quant Time: Jun 24 01:37:29 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 24 01:37:13 2021
 Response via : Initial Calibration

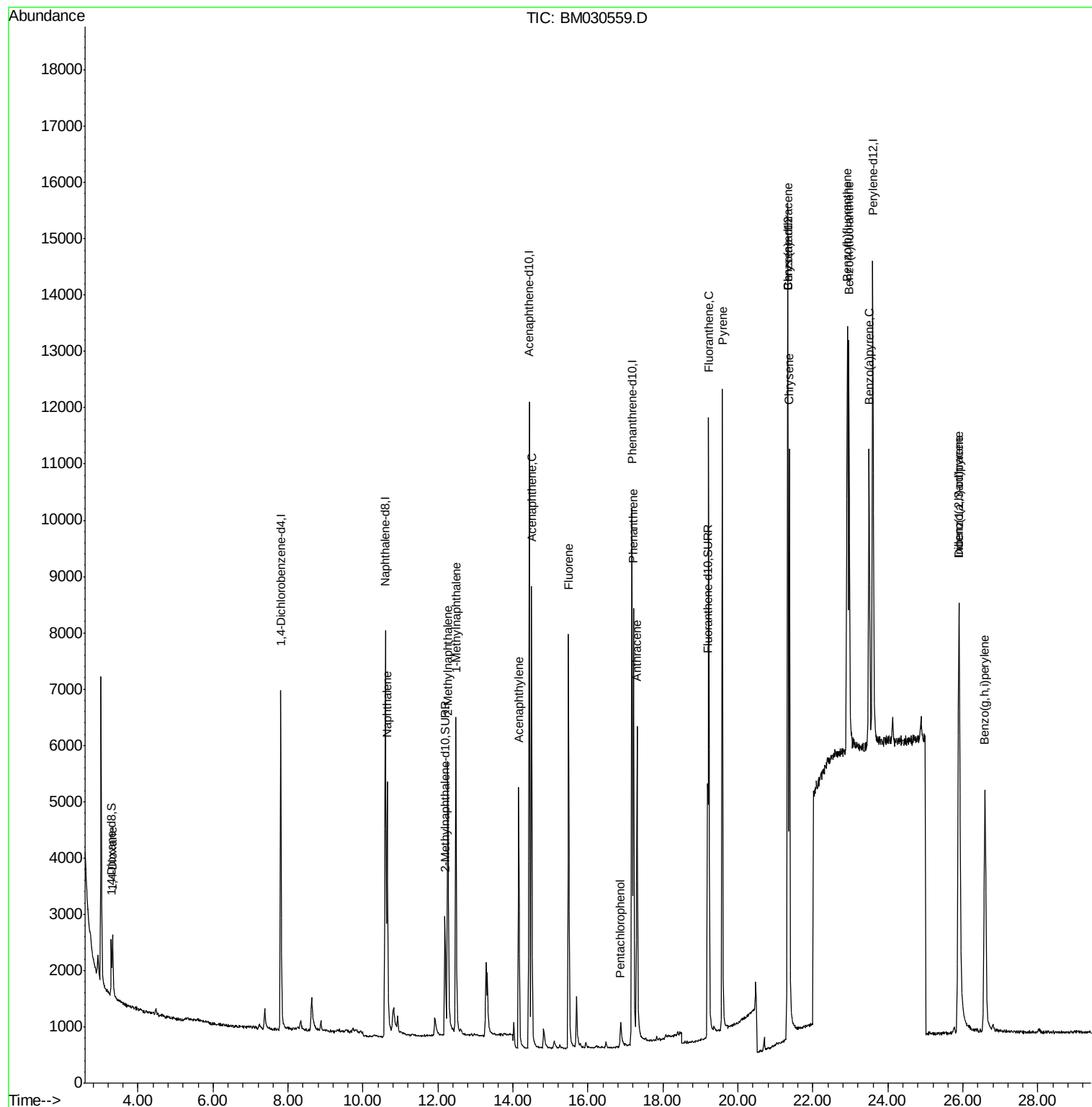
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	3476	0.40	ng/ul	0.00
4) Naphthalene-d8	10.59	136	12234	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.43	164	6993	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.17	188	13390	0.40	ng/ul	0.00
17) Chrysene-d12	21.34	240	11423	0.40	ng/ul	0.00
23) Perylene-d12	23.60	264	12474	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.29	96	729	0.21	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.19	152	3856	0.22	ng/ul	0.00
18) Fluoranthene-d10	19.19	212	7249	0.19	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.32	88	716	0.195	ng/ul#	87
5) Naphthalene	10.64	128	7254	0.201	ng/ul	97
7) 2-Methylnaphthalene	12.26	142	4774	0.195	ng/ul	99
8) 1-Methylnaphthalene	12.48	142	4692	0.200	ng/ul	100
10) Acenaphthylene	14.15	152	6317	0.190	ng/ul	98
11) Acenaphthene	14.50	153	5182	0.183	ng/ul	99
12) Fluorene	15.48	166	5714	0.177	ng/ul	96
14) Pentachlorophenol	16.87	266	604	0.145	ng/ul	94
15) Phenanthrene	17.21	178	9252	0.191	ng/ul	98
16) Anthracene	17.31	178	7720	0.187	ng/ul	97
19) Fluoranthene	19.22	202	10636	0.183	ng/ul	99
20) Pyrene	19.58	202	10963	0.185	ng/ul	99
21) Benzo(a)anthracene	21.32	228	8998	0.196	ng/ul	98
22) Chrysene	21.37	228	10027	0.203	ng/ul	98
24) Benzo(b)fluoranthene	22.91	252	10399	0.168	ng/ul	82
25) Benzo(k)fluoranthene	22.96	252	11175	0.190	ng/ul#	84
26) Benzo(a)pyrene	23.50	252	9483	0.189	ng/ul#	77
27) Indeno(1,2,3-cd)pyrene	25.89	276	12163	0.183	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.90	278	9733	0.181	ng/ul#	87
29) Benzo(a,h,i)perylene	26.59	276	10706	0.185	ng/ul	96

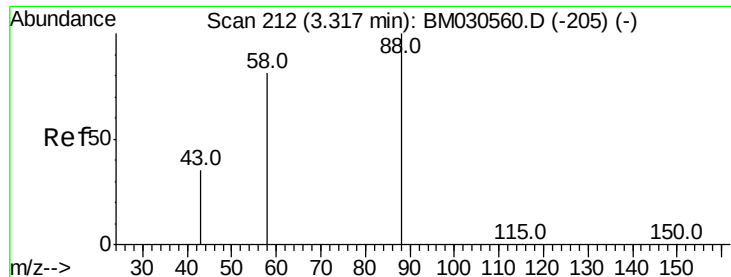
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.195 ng/ul

RT: 3.32 min Scan# 213

Delta R.T. 0.00 min

Lab File: BM030559.D

Acq: 23 Jun 2021 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.2602

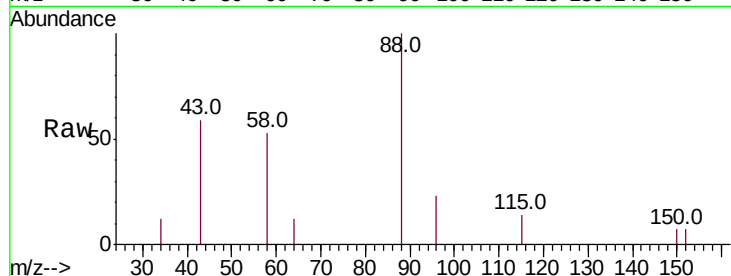
Tot Ion: 88 Resp: 716

Ion Ratio Lower Upper

88 100

43 59.0 37.7 56.5#

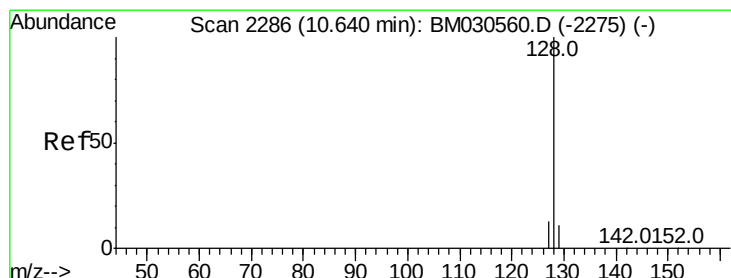
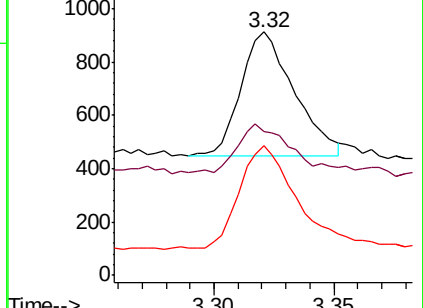
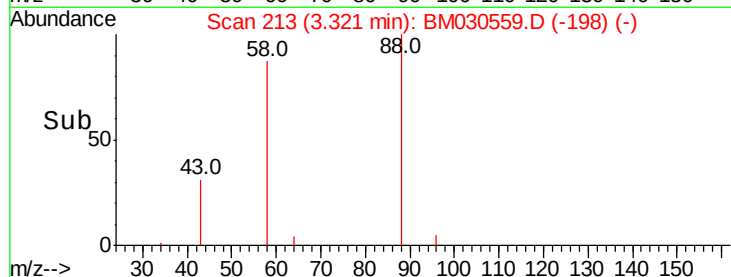
58 53.1 48.5 72.7



Abundance Ion 88.00 (87.70 to 88.70): BM030559.D (-198) (-)

Ion 43.00 (42.70 to 43.70): BM030559.D (-198) (-)

Ion 58.00 (57.70 to 58.70): BM030559.D (-198) (-)



#5

Naphthalene

Concen: 0.201 ng/ul

RT: 10.64 min Scan# 2287

Delta R.T. 0.00 min

Lab File: BM030559.D

Acq: 23 Jun 2021 22:26

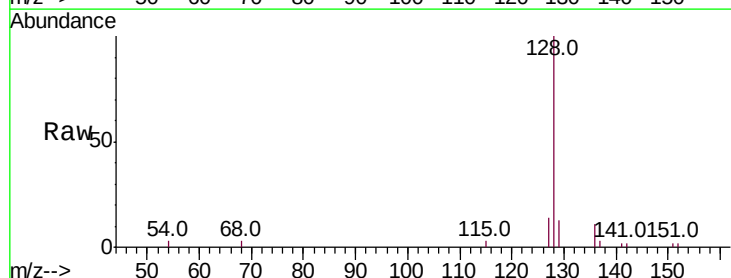
Tgt Ion: 128 Resp: 7254

Ion Ratio Lower Upper

128 100

129 12.6 9.0 13.6

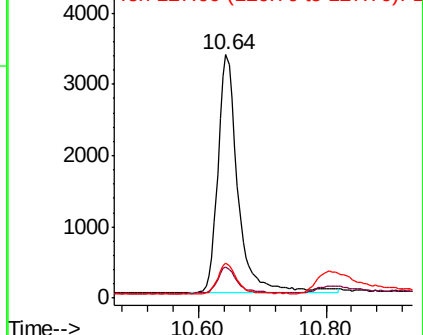
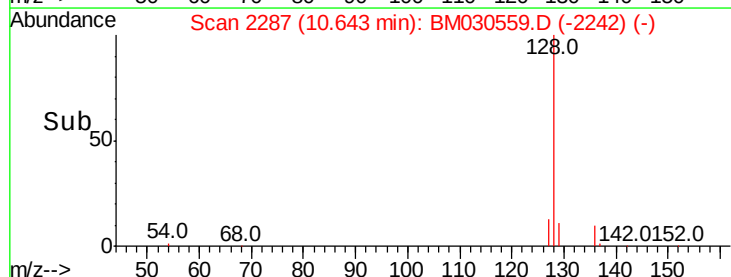
127 14.3 10.9 16.3

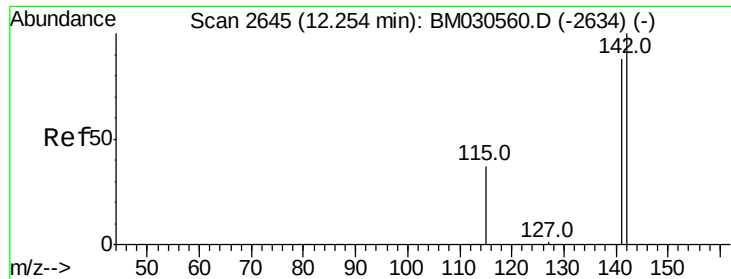


Abundance Ion 128.00 (127.70 to 128.70): BM030559.D (-2242) (-)

Ion 129.00 (128.70 to 129.70): BM030559.D (-2242) (-)

Ion 127.00 (126.70 to 127.70): BM030559.D (-2242) (-)





#7

2-Methylnaphthalene

Concen: 0.195 ng/ul

RT: 12.26 min Scan# 2647

Delta R.T. 0.01 min

Lab File: BM030559.D

Acq: 23 Jun 2021 22:26

Instrument :

BNA_M

ClientSampleId :

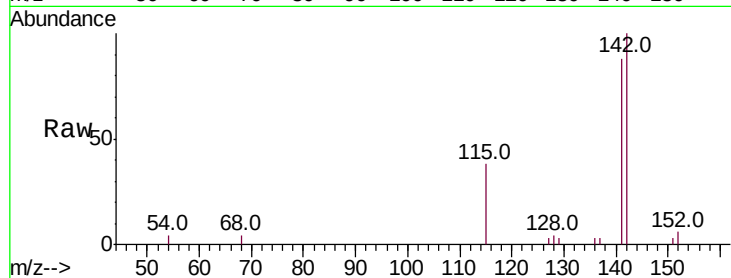
SSTD0.2602

Tot Ion:142 Resp: 4774

Ion Ratio Lower Upper

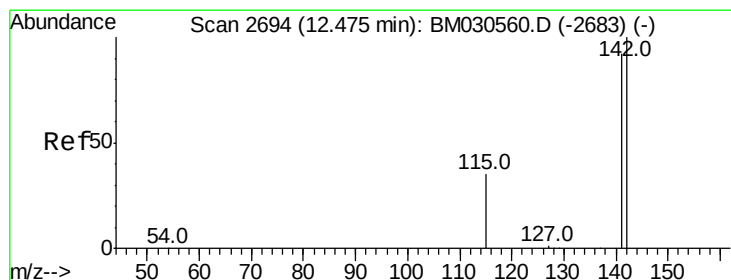
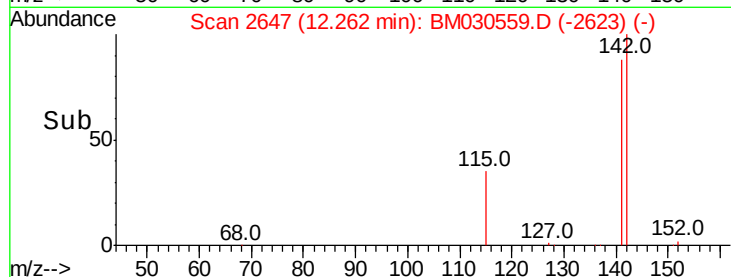
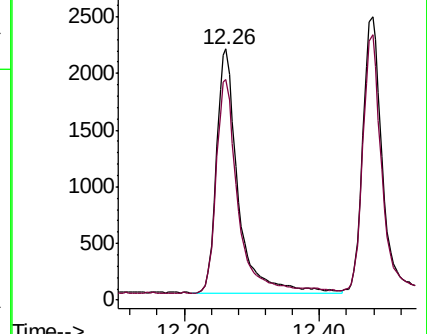
142 100

141 90.4 71.4 107.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.200 ng/ul

RT: 12.48 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BM030559.D

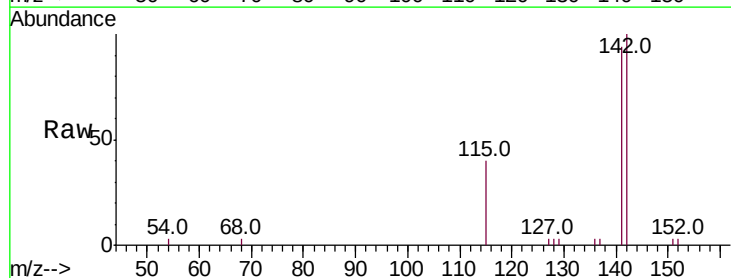
Acq: 23 Jun 2021 22:26

Tgt Ion:142 Resp: 4692

Ion Ratio Lower Upper

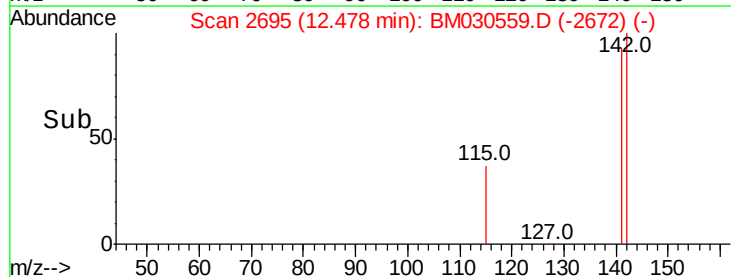
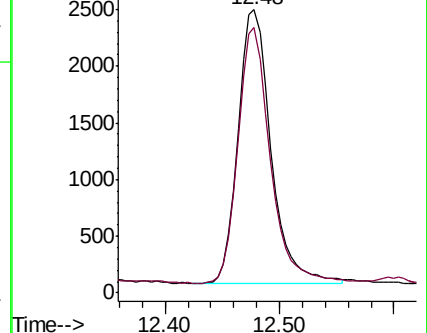
142 100

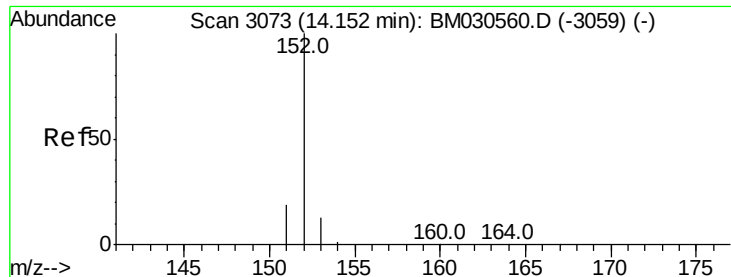
141 91.6 73.4 110.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.190 ng/ul

RT: 14.15 min Scan# 3074

Delta R.T. 0.00 min

Lab File: BM030559.D

Acq: 23 Jun 2021 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.2602

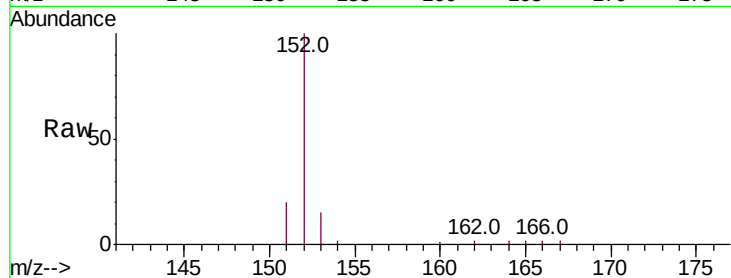
Tot Ion:152 Resp: 6317

Ion Ratio Lower Upper

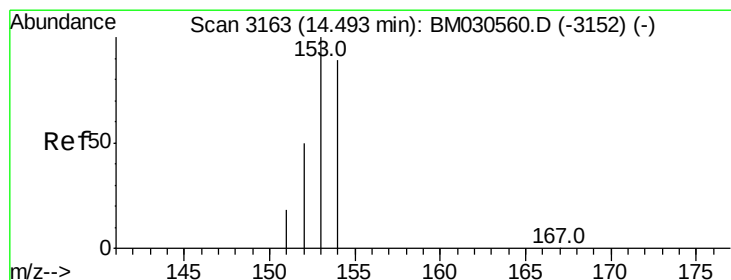
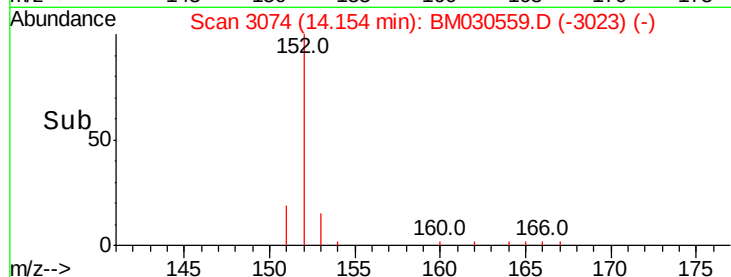
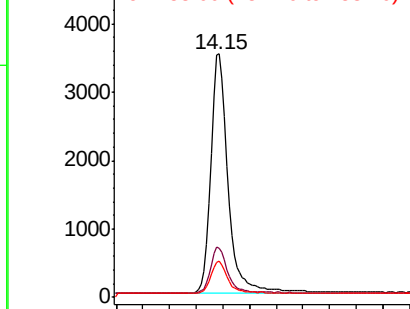
152 100

151 20.2 15.5 23.3

153 14.6 10.7 16.1



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: 0.183 ng/ul

RT: 14.50 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM030559.D

Acq: 23 Jun 2021 22:26

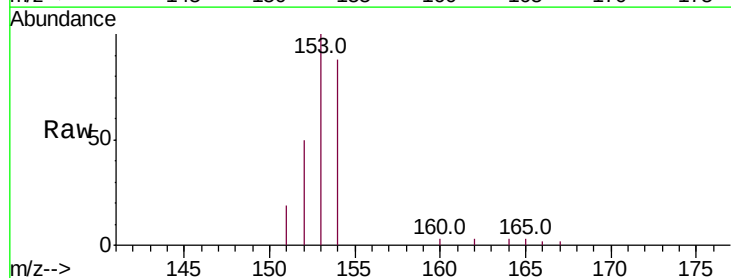
Tgt Ion:153 Resp: 5182

Ion Ratio Lower Upper

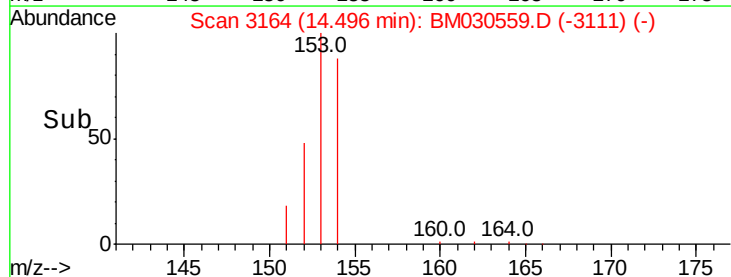
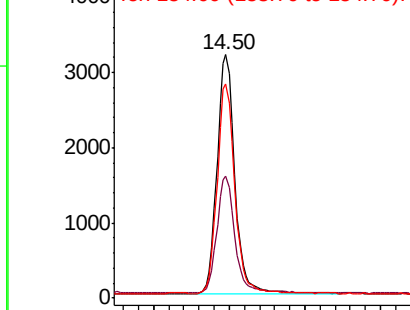
153 100

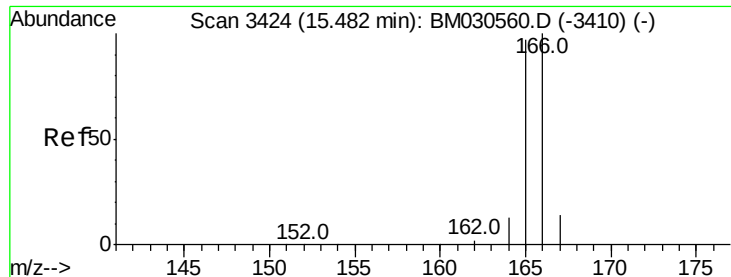
152 50.0 40.2 60.2

154 88.1 71.2 106.8



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: 0.177 ng/ul

RT: 15.48 min Scan# 3424

Delta R.T. -0.00 min

Lab File: BM030559.D

Acq: 23 Jun 2021 22:26

Instrument :

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ClientSampleId :

SSTD0.2602

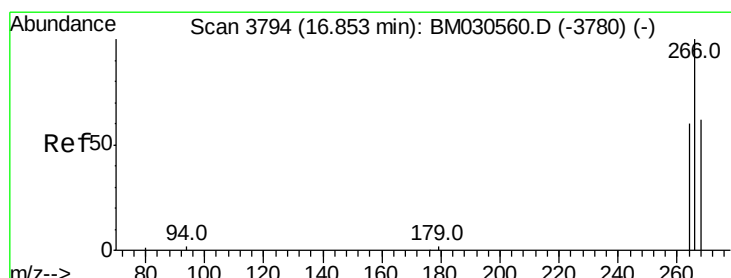
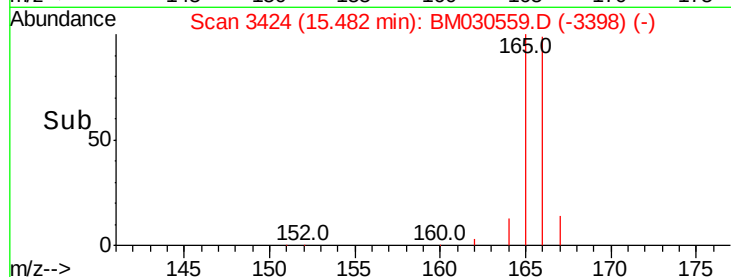
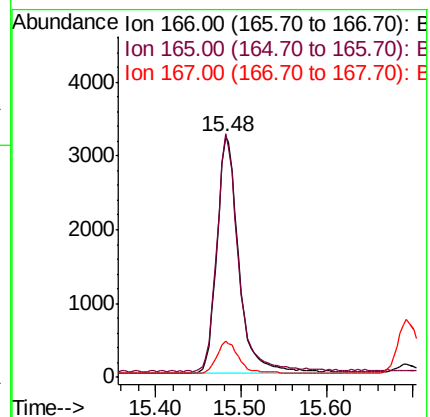
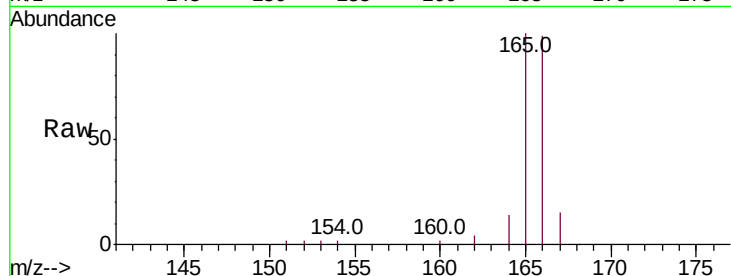
Tot Ion:166 Resp: 5714

Ion Ratio Lower Upper

166 100

165 101.4 77.7 116.5

167 15.2 11.3 16.9



#14

Pentachlorophenol

Concen: 0.145 ng/ul

RT: 16.87 min Scan# 3800

Delta R.T. 0.02 min

Lab File: BM030559.D

Acq: 23 Jun 2021 22:26

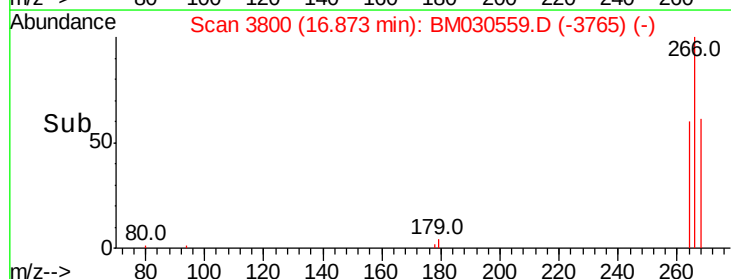
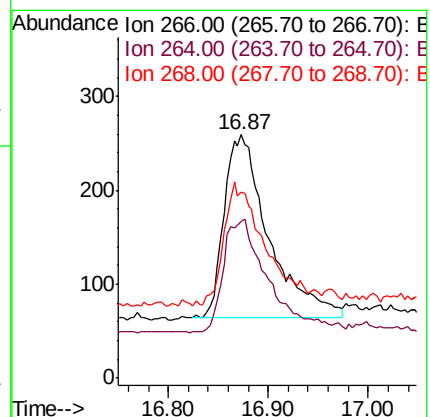
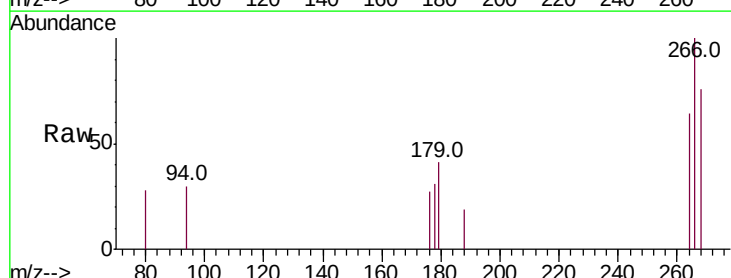
Tgt Ion:266 Resp: 604

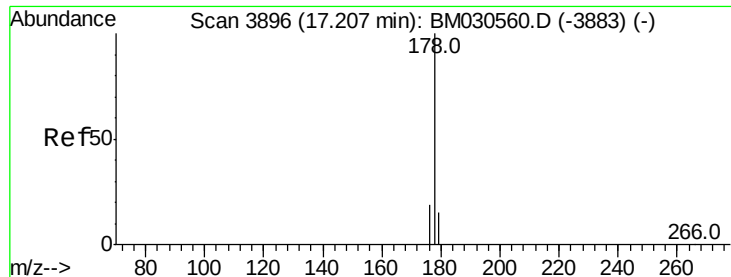
Ion Ratio Lower Upper

266 100

264 63.6 47.7 71.5

268 65.1 47.5 71.3





#15

Phenanthrene

Concen: 0.191 ng/ul

RT: 17.21 min Scan# 3898

Delta R.T. 0.01 min

Lab File: BM030559.D

Acq: 23 Jun 2021 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.2602

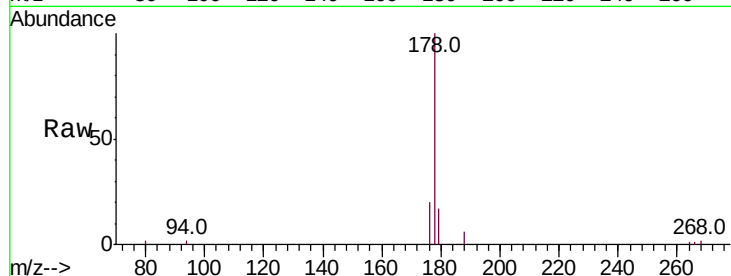
Tot Ion:178 Resp: 9252

Ion Ratio Lower Upper

178 100

179 16.9 12.6 19.0

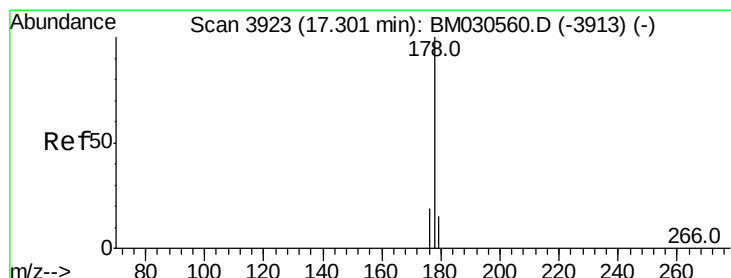
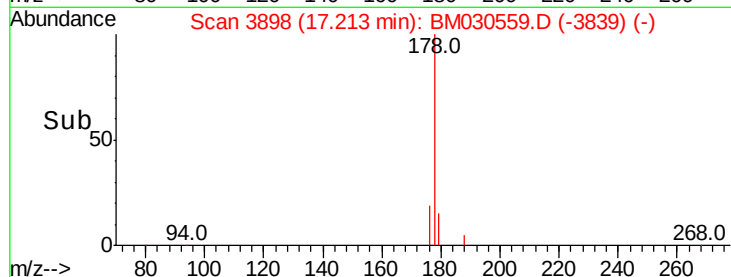
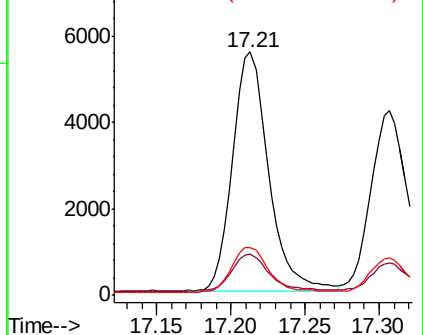
176 19.8 15.5 23.3



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: 0.187 ng/ul

RT: 17.31 min Scan# 3925

Delta R.T. 0.01 min

Lab File: BM030559.D

Acq: 23 Jun 2021 22:26

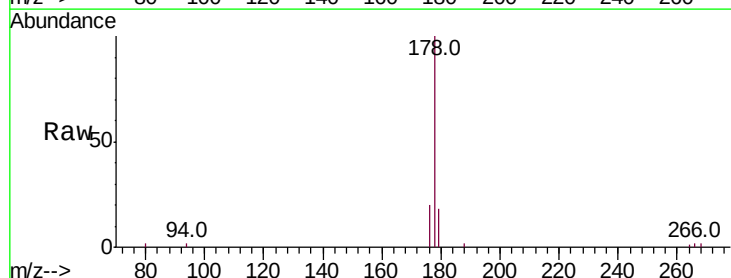
Tgt Ion:178 Resp: 7720

Ion Ratio Lower Upper

178 100

179 17.7 12.7 19.1

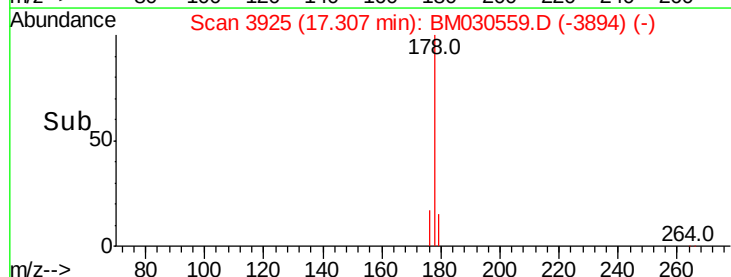
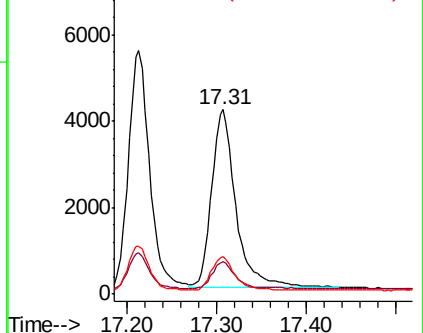
176 20.0 15.2 22.8

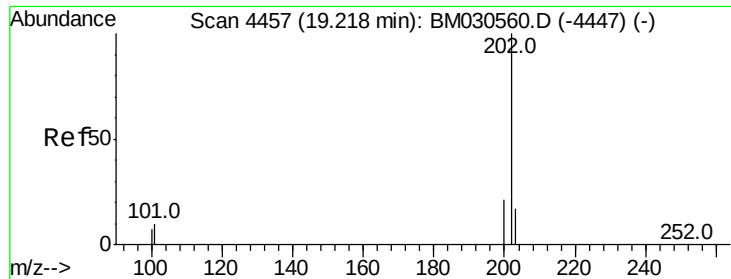


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.183 ng/ul

RT: 19.22 min Scan# 4458

Delta R.T. 0.00 min

Lab File: BM030559.D

Acq: 23 Jun 2021 22:26

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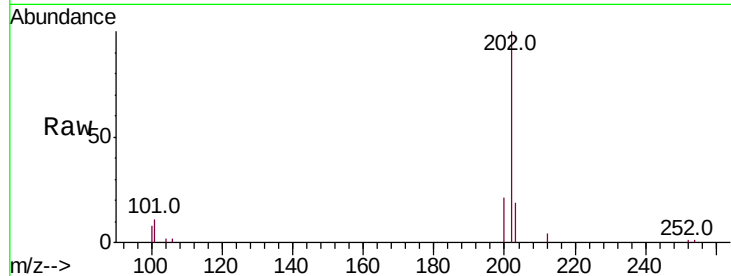
Tot Ion:202 Resp: 10636

Ion Ratio Lower Upper

202 100

101 11.2 8.8 13.2

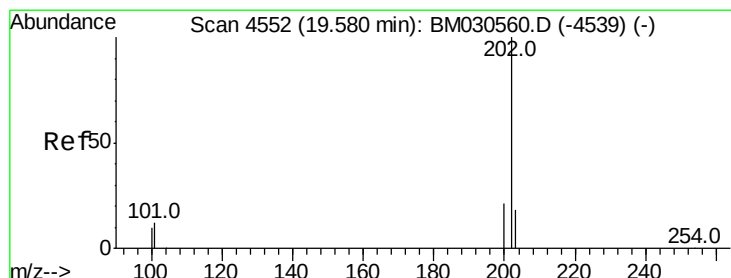
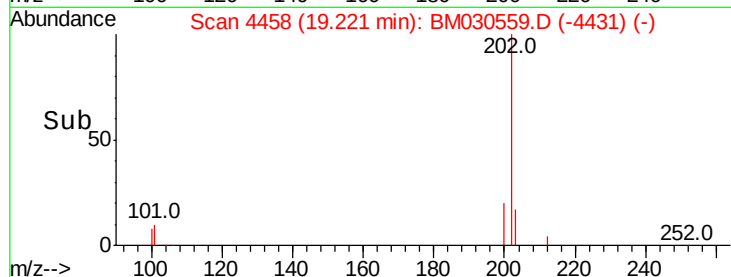
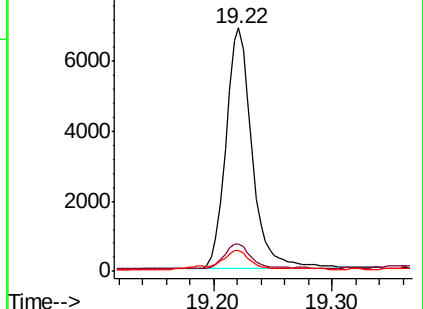
100 8.3 6.9 10.3



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: 0.185 ng/ul

RT: 19.58 min Scan# 4553

Delta R.T. 0.00 min

Lab File: BM030559.D

Acq: 23 Jun 2021 22:26

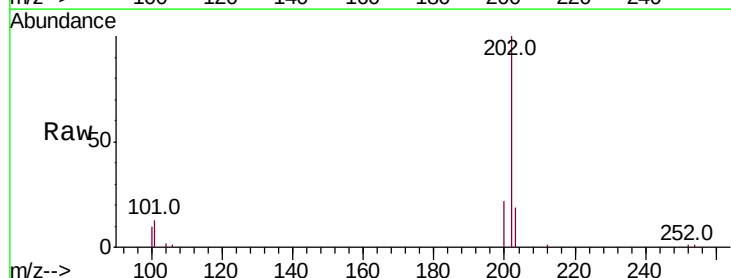
Tgt Ion:202 Resp: 10963

Ion Ratio Lower Upper

202 100

101 12.7 10.1 15.1

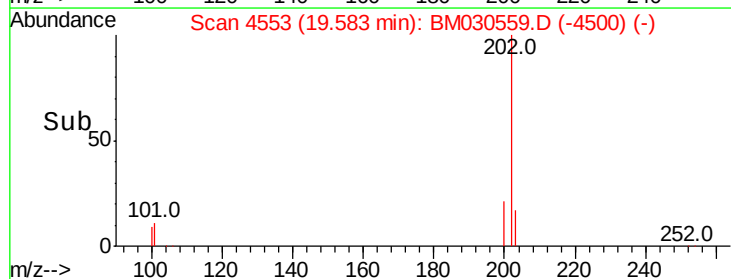
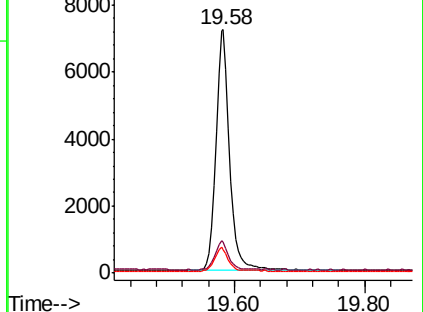
100 9.7 8.2 12.2

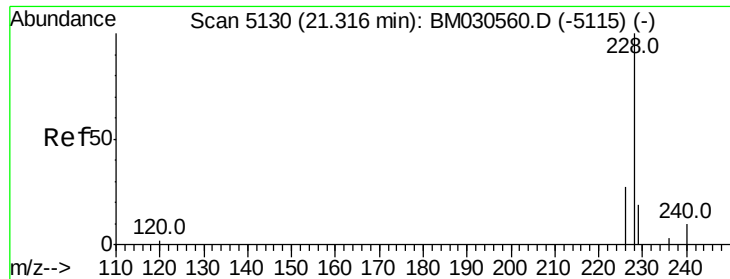


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.196 ng/ul

RT: 21.32 min Scan# 5131

Delta R.T. 0.00 min

Lab File: BM030559.D

Acq: 23 Jun 2021 22:26

Instrument :

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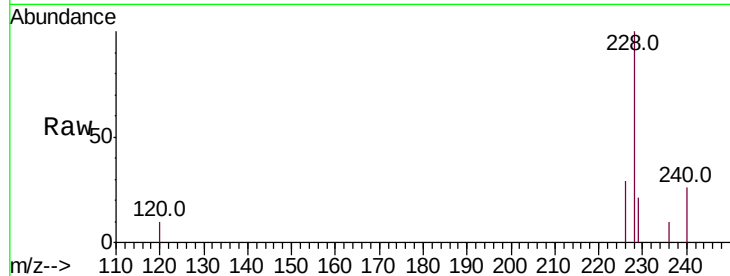
Tot Ion:228 Resp: 8998

Ion Ratio Lower Upper

228 100

229 20.8 15.8 23.6

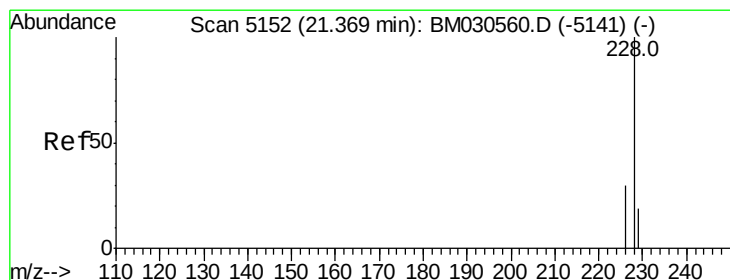
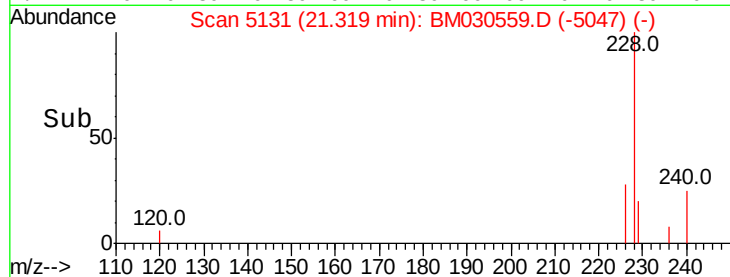
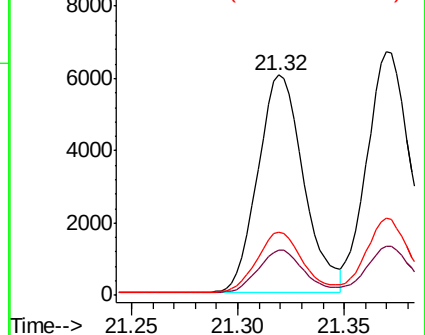
226 28.8 22.2 33.4



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: 0.203 ng/ul

RT: 21.37 min Scan# 5152

Delta R.T. 0.00 min

Lab File: BM030559.D

Acq: 23 Jun 2021 22:26

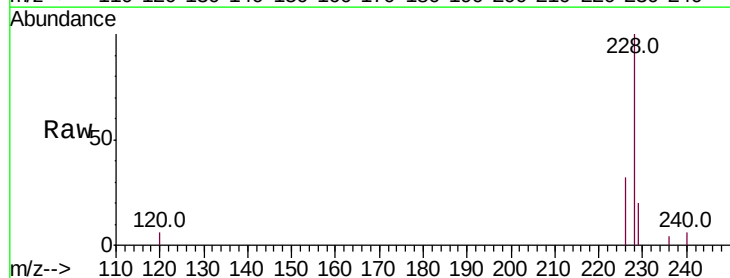
Tgt Ion:228 Resp: 10027

Ion Ratio Lower Upper

228 100

226 31.7 24.4 36.6

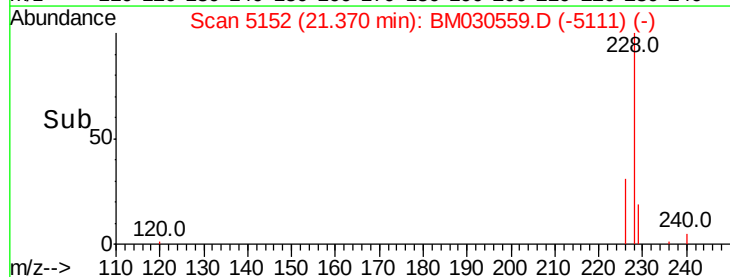
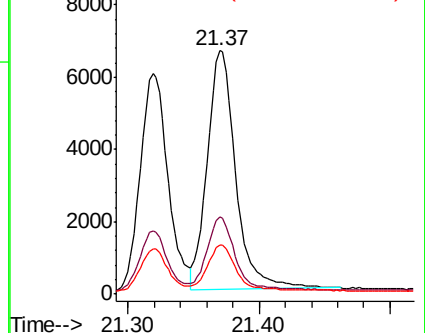
229 20.1 15.4 23.0

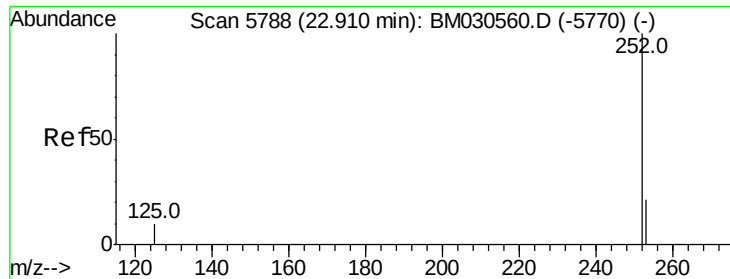


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 0.168 ng/ul

RT: 22.91 min Scan# 5789

Delta R.T. 0.00 min

Lab File: BM030559.D

Acq: 23 Jun 2021 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.2602

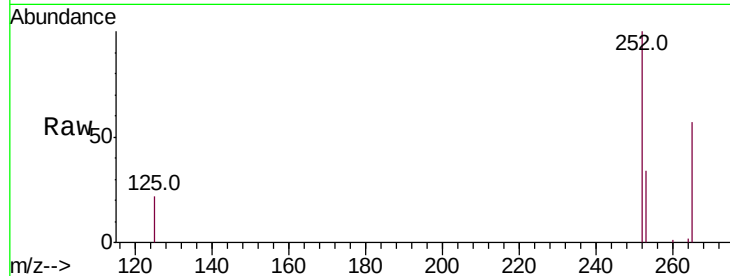
Tot Ion:252 Resp: 10399

Ion Ratio Lower Upper

252 100

253 33.6 0.0 50.2

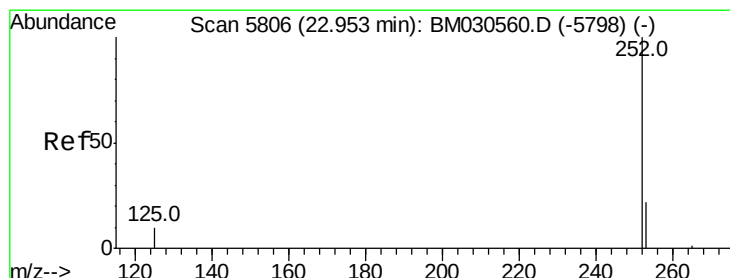
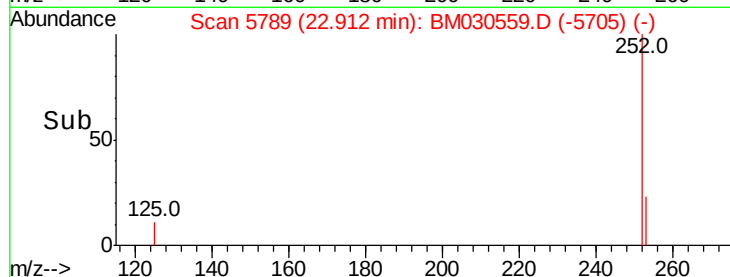
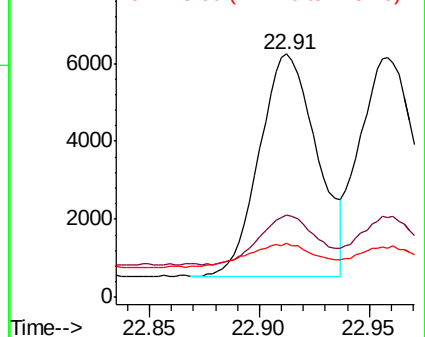
125 22.2 0.0 27.8



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



#25

Benzo(k)fluoranthene

Concen: 0.190 ng/ul

RT: 22.96 min Scan# 5808

Delta R.T. 0.01 min

Lab File: BM030559.D

Acq: 23 Jun 2021 22:26

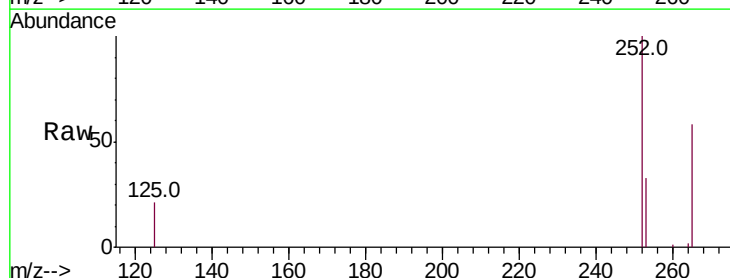
Tgt Ion:252 Resp: 11175

Ion Ratio Lower Upper

252 100

253 33.3 20.6 31.0#

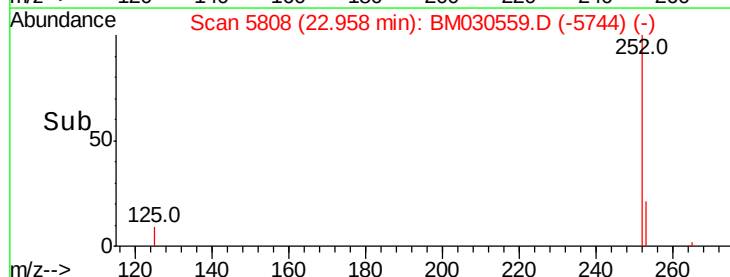
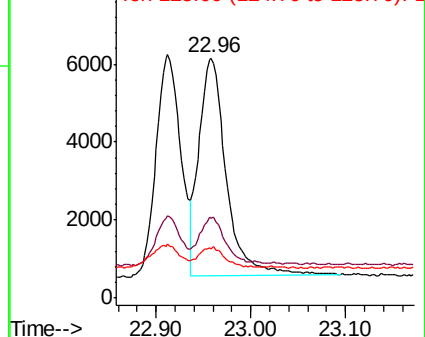
125 20.7 11.0 16.4#

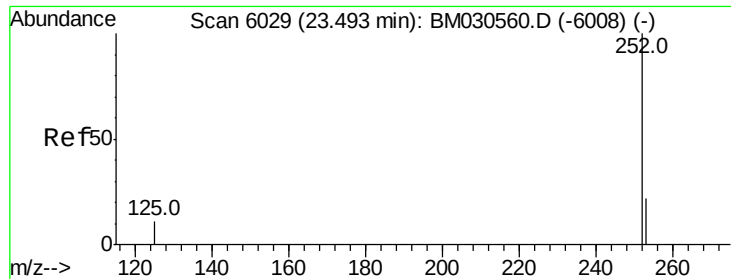


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.189 ng/ul

RT: 23.50 min Scan# 6031

Delta R.T. 0.01 min

Lab File: BM030559.D

Acq: 23 Jun 2021 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.2602

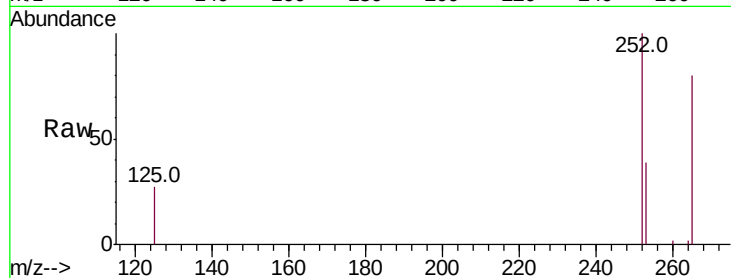
Tot Ion:252 Resp: 9483

Ion Ratio Lower Upper

252 100

253 39.1 22.0 33.0#

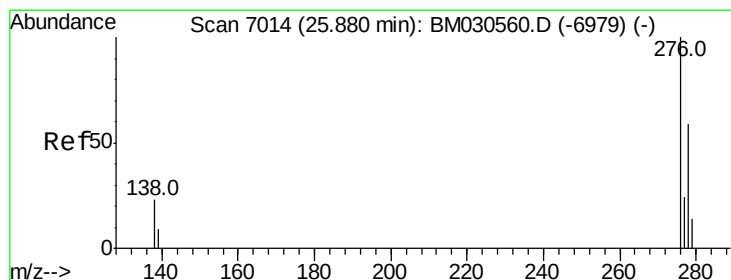
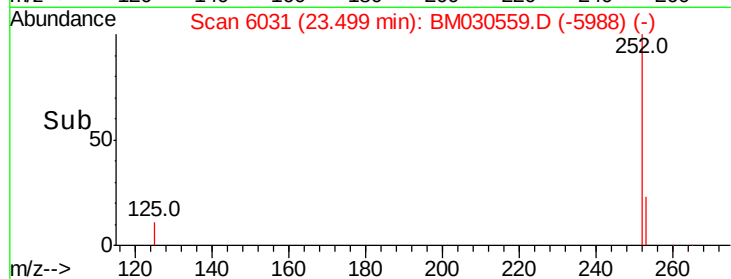
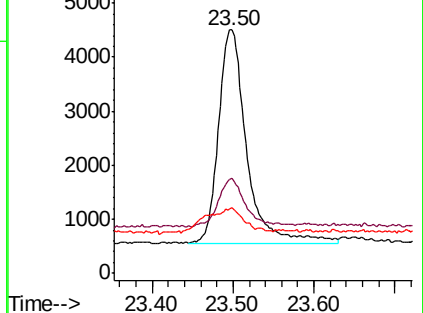
125 27.0 13.4 20.2#



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: 0.183 ng/ul

RT: 25.89 min Scan# 7016

Delta R.T. 0.01 min

Lab File: BM030559.D

Acq: 23 Jun 2021 22:26

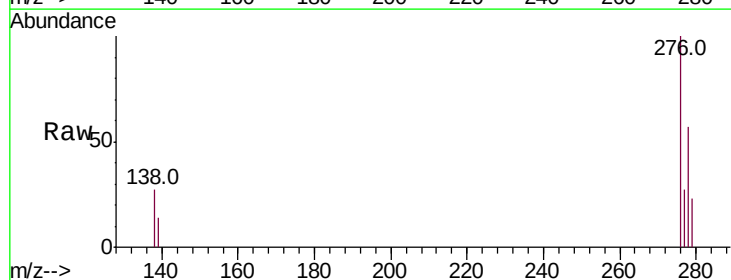
Tgt Ion:276 Resp: 12163

Ion Ratio Lower Upper

276 100

138 24.0 19.1 28.7

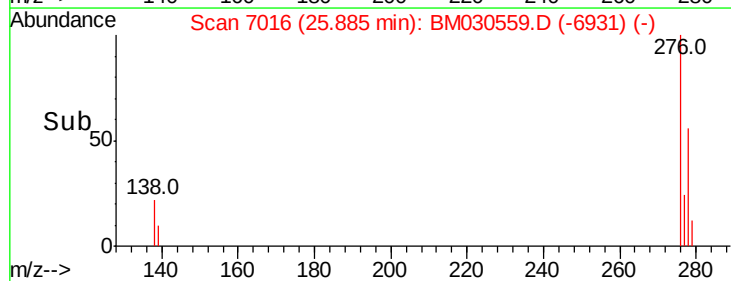
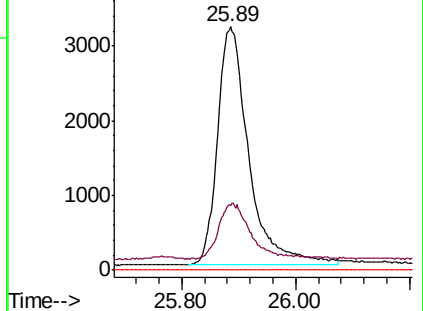
227 0.0 0.0 0.0

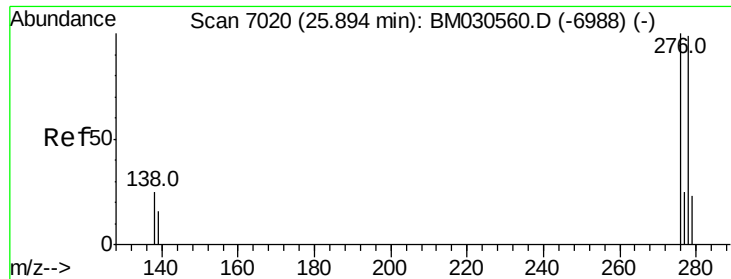


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



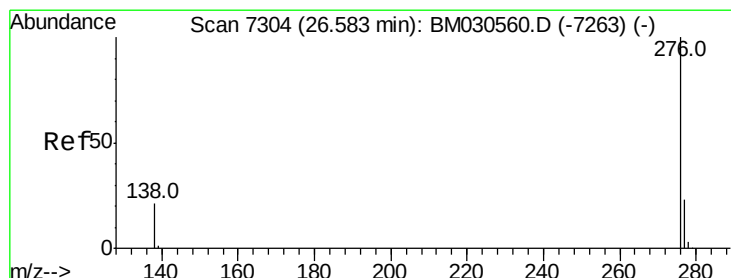
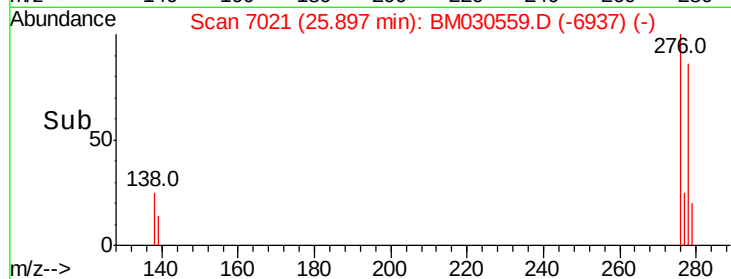
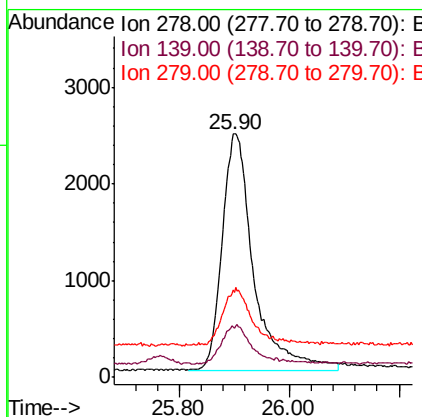
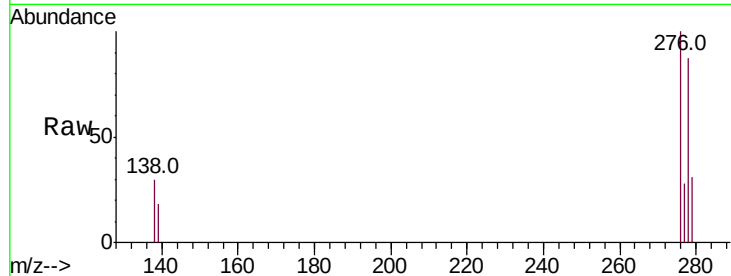


#28
Dibenzo(a,h)anthracene
Concen: 0.181 ng/ul
RT: 25.90 min Scan# 7021
Delta R.T. 0.00 min
Lab File: BM030559.D
Acq: 23 Jun 2021 22:26

Instrument :
BNA_M
ClientSampleId :
SSTD0.2602

Tot Ion:278 Resp: 9733

Ion	Ratio	Lower	Upper
278	100		
139	20.8	14.2	21.4
279	35.9	21.6	32.4



#29
Benzo(g,h,i)perylene
Concen: 0.185 ng/ul
RT: 26.59 min Scan# 7305
Delta R.T. 0.00 min
Lab File: BM030559.D
Acq: 23 Jun 2021 22:26

Tgt Ion:276 Resp: 10706

Ion	Ratio	Lower	Upper
276	100		
138	25.1	18.0	27.0
277	26.1	19.5	29.3

