

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062321\
 Data File : BM030558.D
 Acq On : 23 Jun 2021 21:49
 Operator : CG/JU
 Sample : SST00.101
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST00.1601

Quant Time: Jun 24 01:37:20 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

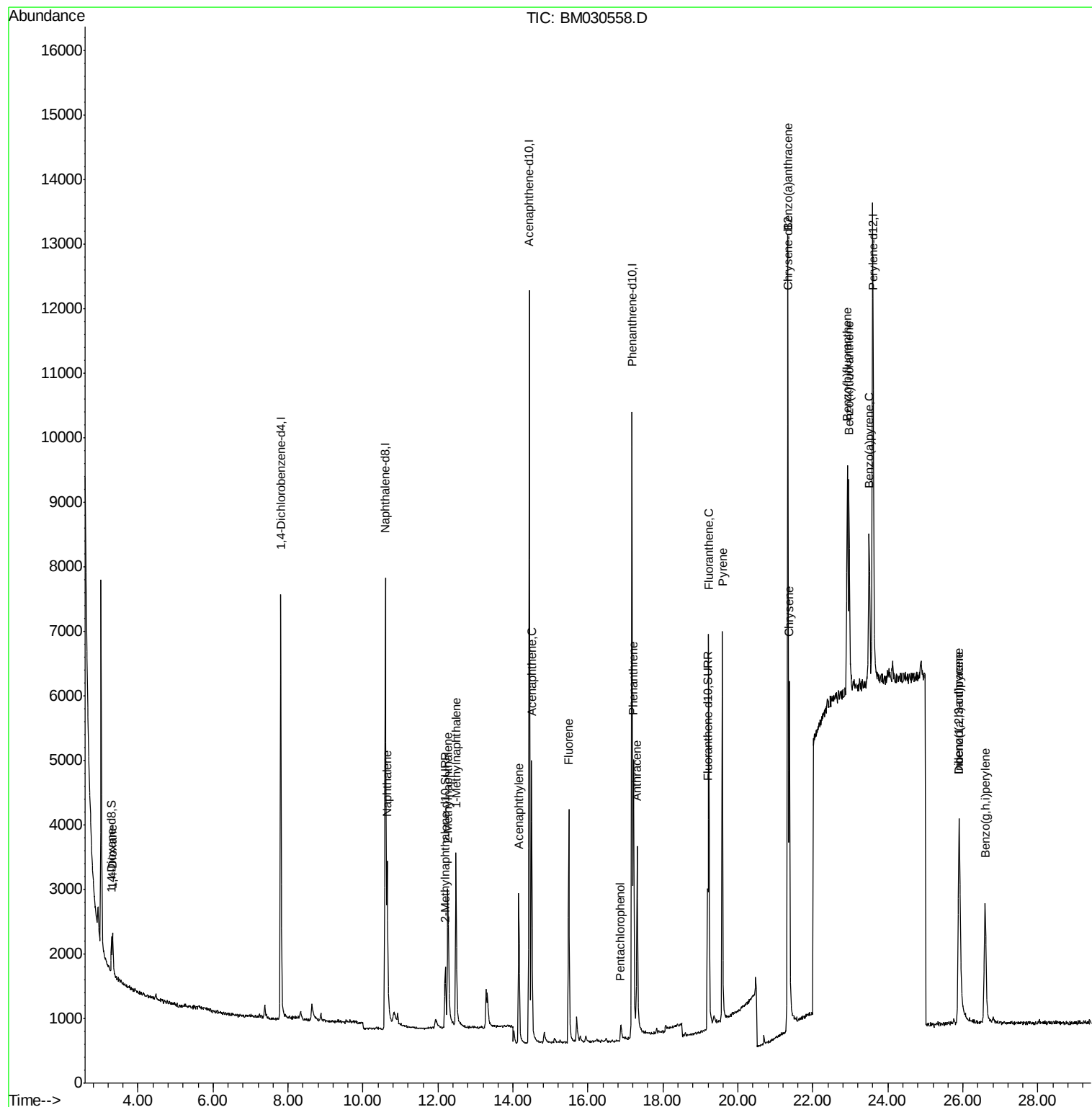
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	3702	0.40	ng/ul	0.00
4) Naphthalene-d8	10.59	136	13072	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.43	164	7329	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.17	188	13820	0.40	ng/ul	0.00
17) Chrysene-d12	21.34	240	11131	0.40	ng/ul	0.00
23) Perylene-d12	23.60	264	11413	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.29	96	455	0.13	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.19	152	2014	0.11	ng/ul	0.00
18) Fluoranthene-d10	19.19	212	3764	0.10	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.32	88	360	0.092	ng/ul#	74
5) Naphthalene	10.64	128	3785	0.098	ng/ul#	93
7) 2-Methylnaphthalene	12.26	142	2459	0.094	ng/ul	99
8) 1-Methylnaphthalene	12.48	142	2393	0.095	ng/ul	99
10) Acenaphthylene	14.16	152	3370	0.097	ng/ul#	93
11) Acenaphthene	14.50	153	2775	0.093	ng/ul	98
12) Fluorene	15.49	166	2997	0.089	ng/ul#	98
14) Pentachlorophenol	16.87	266	353	0.082	ng/ul	98
15) Phenanthrene	17.21	178	5093	0.102	ng/ul	95
16) Anthracene	17.31	178	4099	0.096	ng/ul#	94
19) Fluoranthene	19.22	202	5820	0.103	ng/ul	98
20) Pyrene	19.58	202	5898	0.102	ng/ul	96
21) Benzo(a)anthracene	21.32	228	4556	0.102	ng/ul	97
22) Chrysene	21.37	228	5038	0.105	ng/ul	96
24) Benzo(b)fluoranthene	22.92	252	4743	0.084	ng/ul#	58
25) Benzo(k)fluoranthene	22.96	252	5232	0.097	ng/ul#	58
26) Benzo(a)pyrene	23.50	252	4269	0.093	ng/ul#	43
27) Indeno(1,2,3-cd)pyrene	25.89	276	5373	0.089	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.91	278	4209	0.086	ng/ul#	59
29) Benzo(g,h,i)perylene	26.59	276	4601	0.087	ng/ul#	85

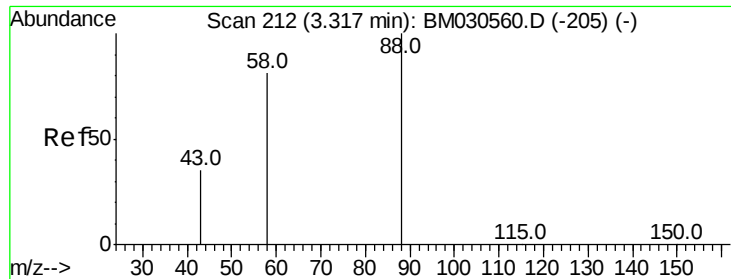
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.092 ng/ul

RT: 3.32 min Scan# 213

Delta R.T. 0.00 min

Lab File: BM030558.D

Acq: 23 Jun 2021 21:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.1601

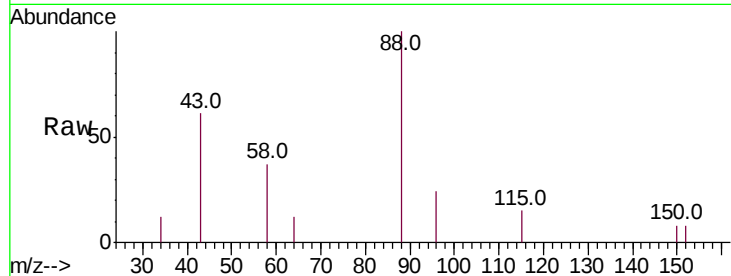
Tot Ion: 88 Resp: 360

Ion Ratio Lower Upper

88 100

43 60.6 37.7 56.5#

58 36.8 48.5 72.7#

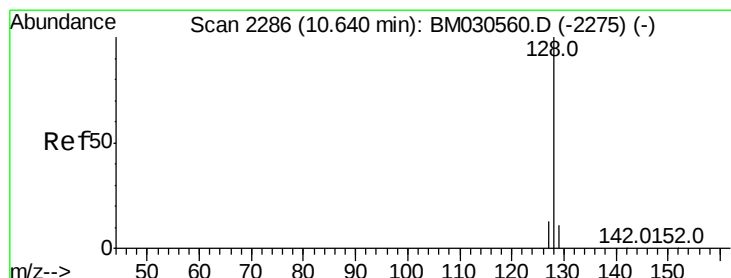
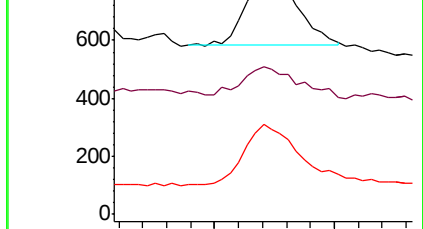
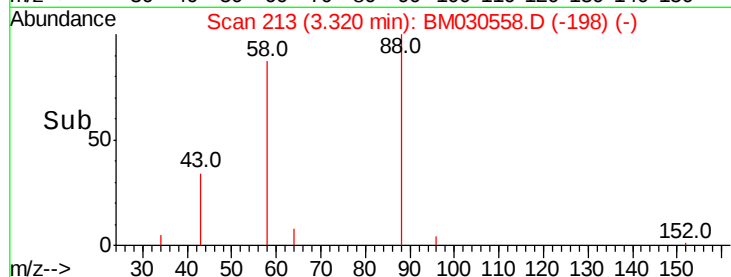


Abundance Ion 88.00 (87.70 to 88.70): BM030560.D (-205) (-)

Ion 43.00 (42.70 to 43.70): BM030560.D (-205) (-)

Ion 58.00 (57.70 to 58.70): BM030560.D (-205) (-)

Time-->



#5

Naphthalene

Concen: 0.098 ng/ul

RT: 10.64 min Scan# 2287

Delta R.T. 0.00 min

Lab File: BM030558.D

Acq: 23 Jun 2021 21:49

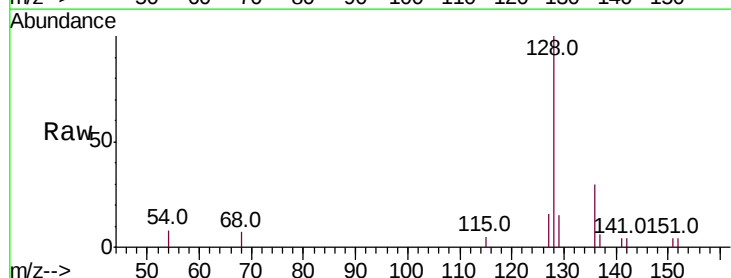
Tgt Ion: 128 Resp: 3785

Ion Ratio Lower Upper

128 100

129 15.0 9.0 13.6#

127 15.7 10.9 16.3

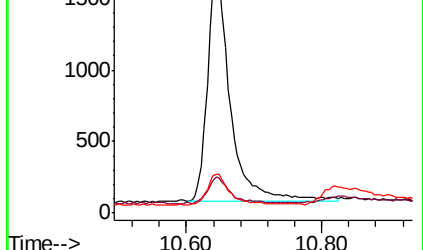
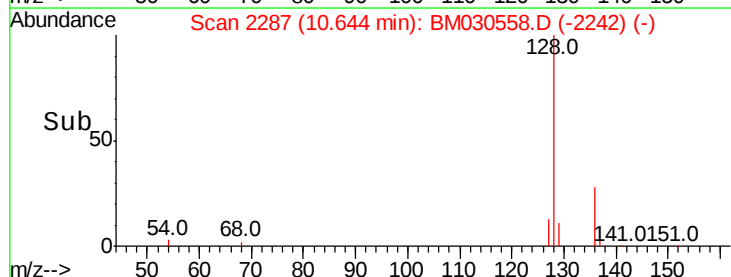


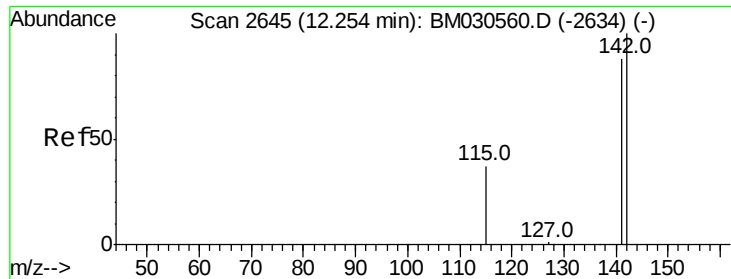
Abundance Ion 128.00 (127.70 to 128.70): BM030560.D (-2275) (-)

Ion 129.00 (128.70 to 129.70): BM030560.D (-2275) (-)

Ion 127.00 (126.70 to 127.70): BM030560.D (-2275) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.094 ng/ul

RT: 12.26 min Scan# 2647

Delta R.T. 0.01 min

Lab File: BM030558.D

Acq: 23 Jun 2021 21:49

Instrument :

BNA_M

ClientSampleId :

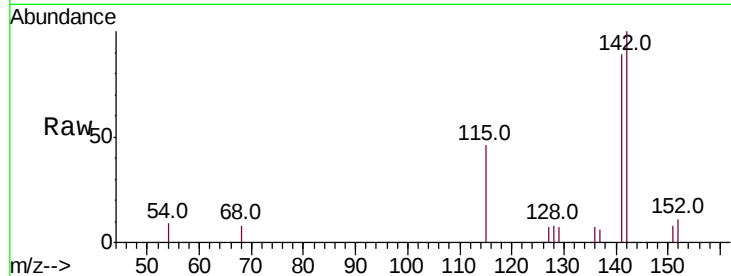
SSTD0.1601

Tot Ion:142 Resp: 2459

Ion Ratio Lower Upper

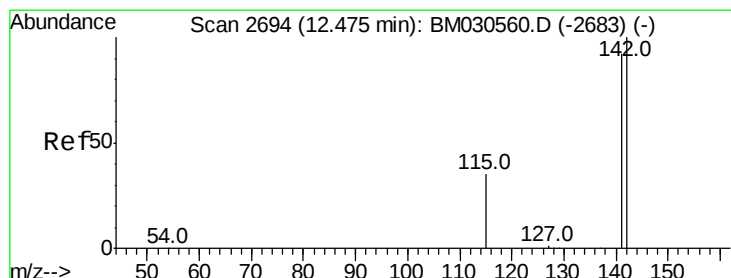
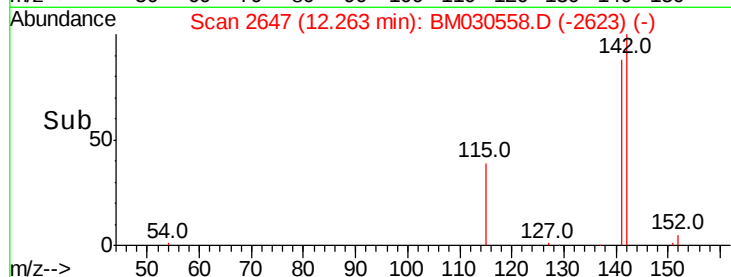
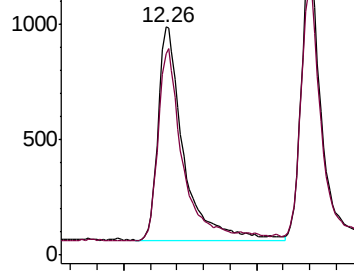
142 100

141 90.3 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: 0.095 ng/ul

RT: 12.48 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BM030558.D

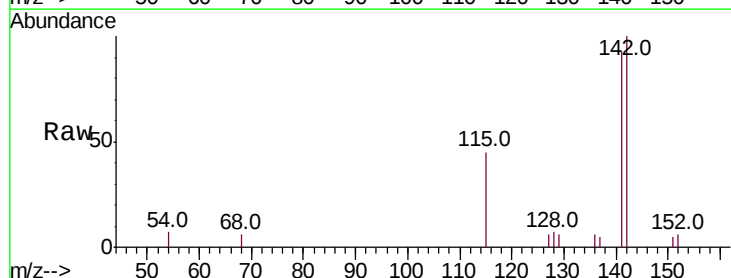
Acq: 23 Jun 2021 21:49

Tgt Ion:142 Resp: 2393

Ion Ratio Lower Upper

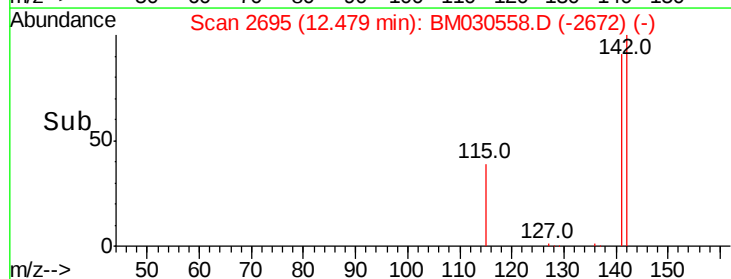
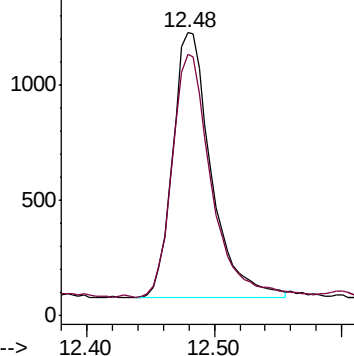
142 100

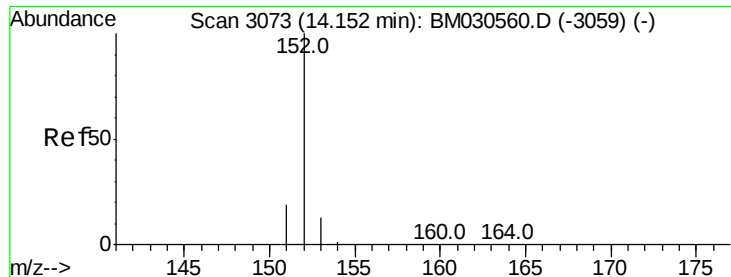
141 92.8 73.4 110.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.097 ng/ul

RT: 14.16 min Scan# 3074

Delta R.T. 0.00 min

Lab File: BM030558.D

Acq: 23 Jun 2021 21:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.1601

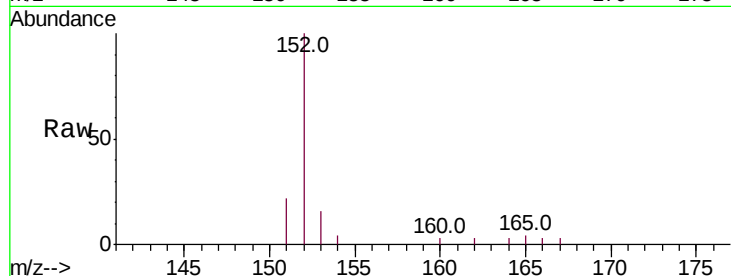
Tot Ion:152 Resp: 3370

Ion Ratio Lower Upper

152 100

151 22.4 15.5 23.3

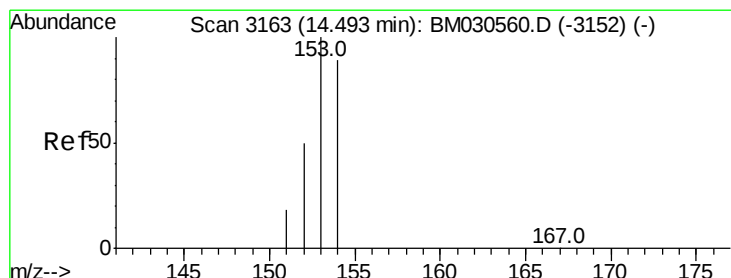
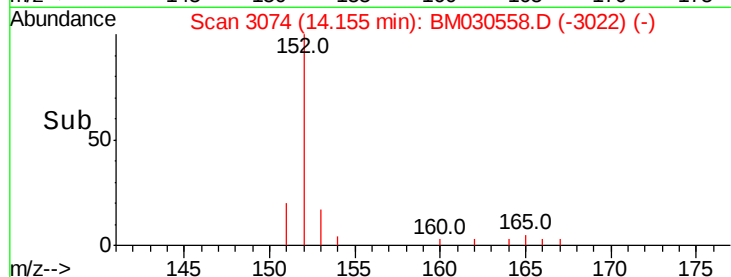
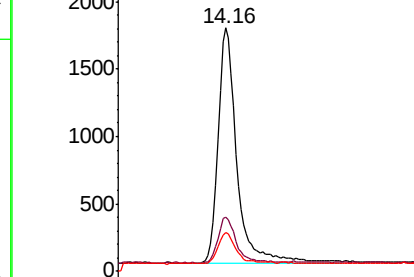
153 16.2 10.7 16.1#



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: 0.093 ng/ul

RT: 14.50 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM030558.D

Acq: 23 Jun 2021 21:49

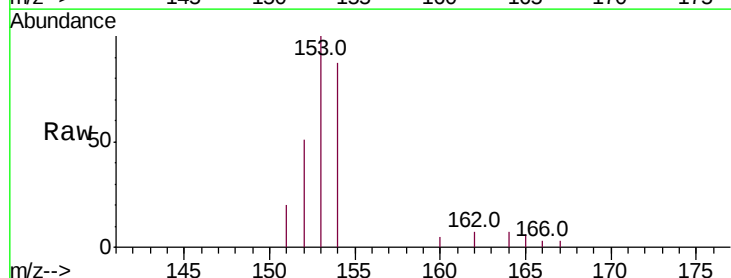
Tgt Ion:153 Resp: 2775

Ion Ratio Lower Upper

153 100

152 51.2 40.2 60.2

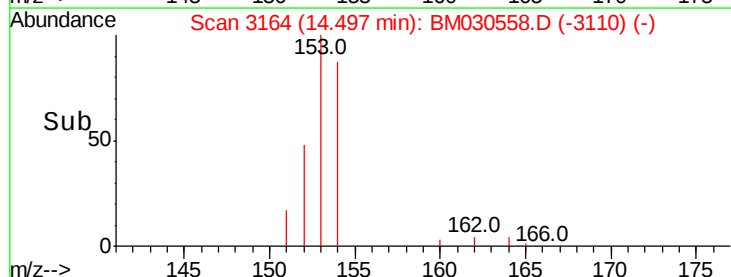
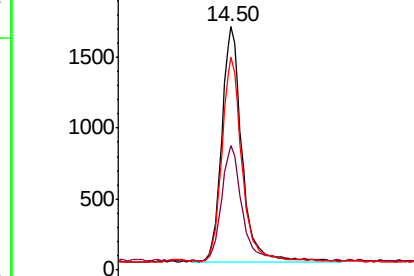
154 87.3 71.2 106.8

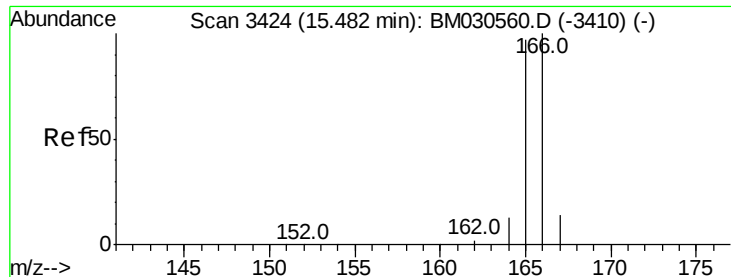


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.089 ng/ul

RT: 15.49 min Scan# 3425

Delta R.T. 0.00 min

Lab File: BM030558.D

Acq: 23 Jun 2021 21:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.1601

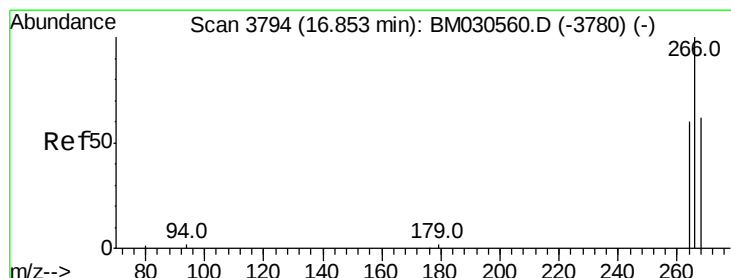
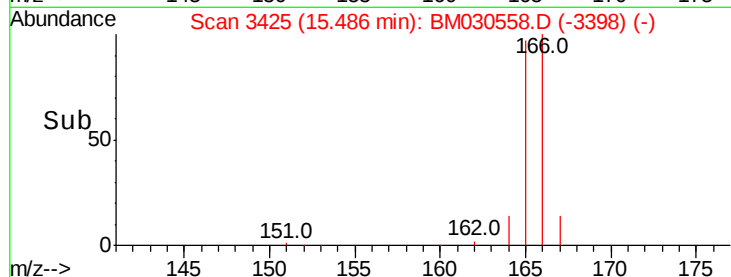
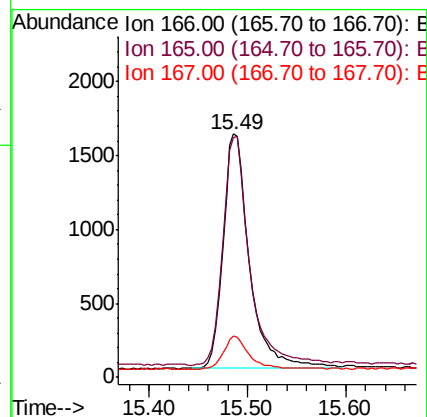
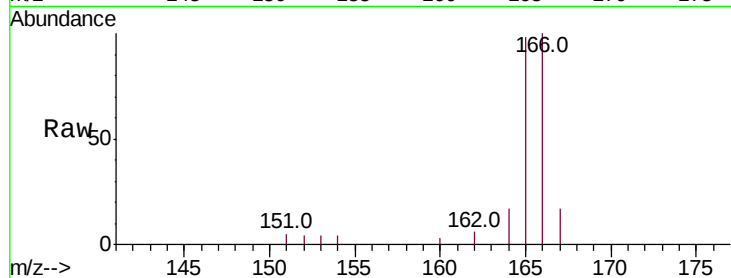
Tot Ion:166 Resp: 2997

Ion Ratio Lower Upper

166 100

165 98.4 77.7 116.5

167 16.9 11.3 16.9#



#14

Pentachlorophenol

Concen: 0.082 ng/ul

RT: 16.87 min Scan# 3799

Delta R.T. 0.02 min

Lab File: BM030558.D

Acq: 23 Jun 2021 21:49

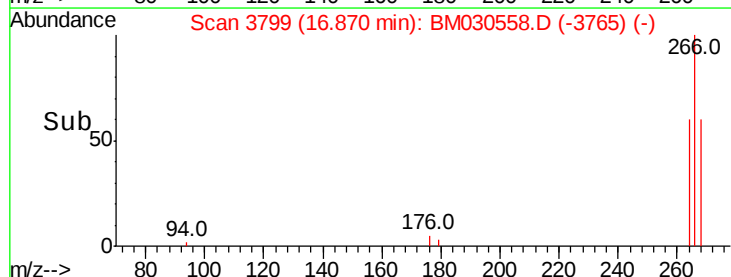
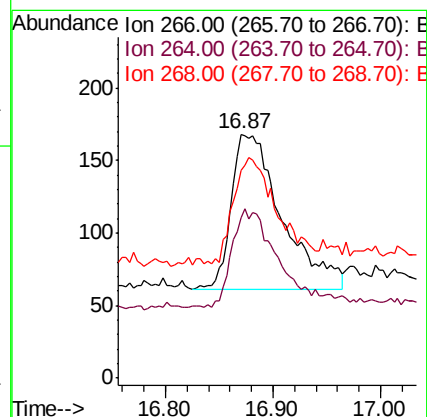
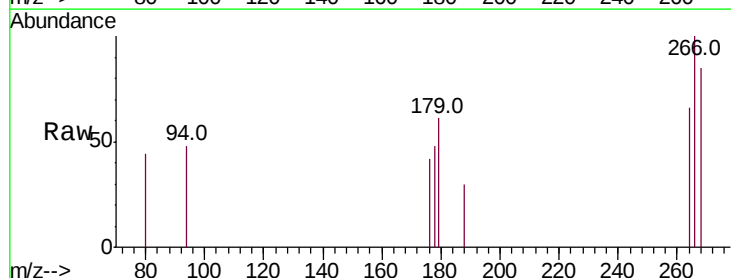
Tgt Ion:266 Resp: 353

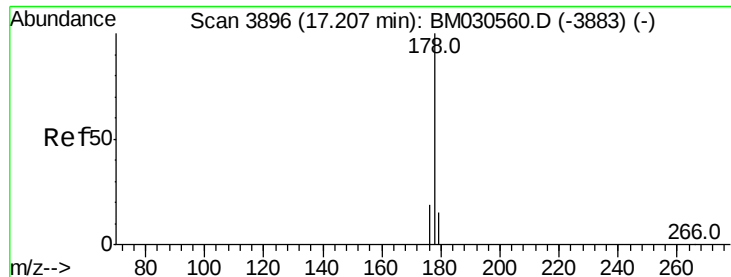
Ion Ratio Lower Upper

266 100

264 62.0 47.7 71.5

268 58.4 47.5 71.3





#15

Phenanthrene

Concen: 0.102 ng/ul

RT: 17.21 min Scan# 3898

Delta R.T. 0.01 min

Lab File: BM030558.D

Acq: 23 Jun 2021 21:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.1601

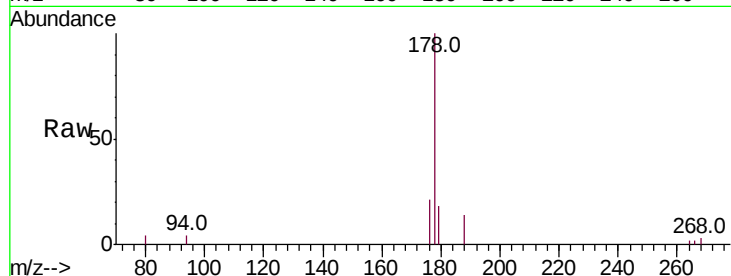
Tot Ion:178 Resp: 5093

Ion Ratio Lower Upper

178 100

179 18.1 12.6 19.0

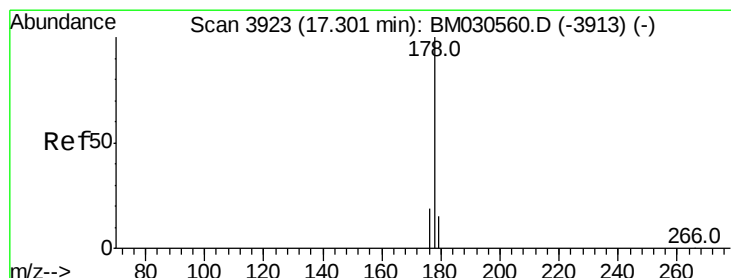
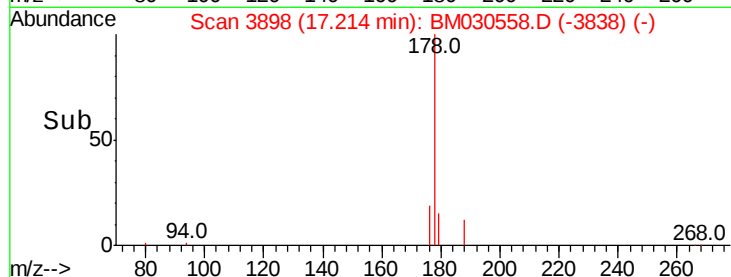
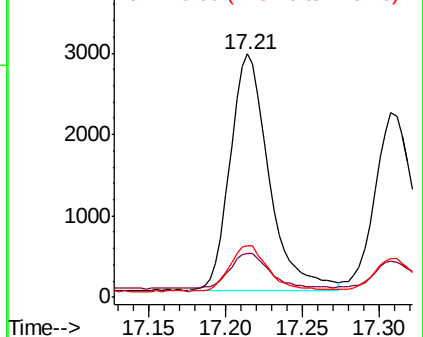
176 21.2 15.5 23.3



Abundance Ion 178.00 (177.70 to 178.70): E

4000 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#16

Anthracene

Concen: 0.096 ng/ul

RT: 17.31 min Scan# 3925

Delta R.T. 0.01 min

Lab File: BM030558.D

Acq: 23 Jun 2021 21:49

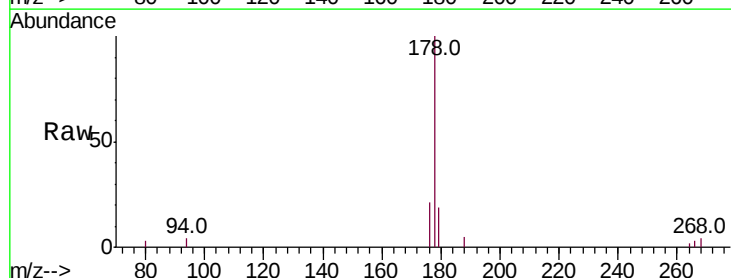
Tgt Ion:178 Resp: 4099

Ion Ratio Lower Upper

178 100

179 19.3 12.7 19.1#

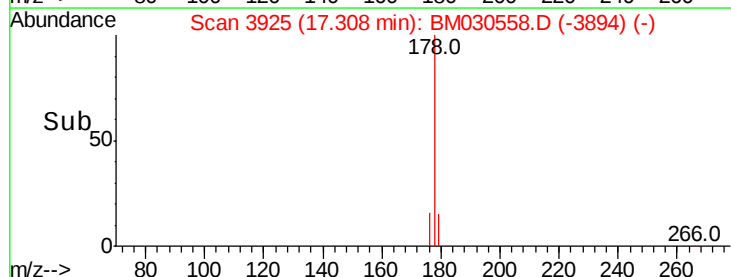
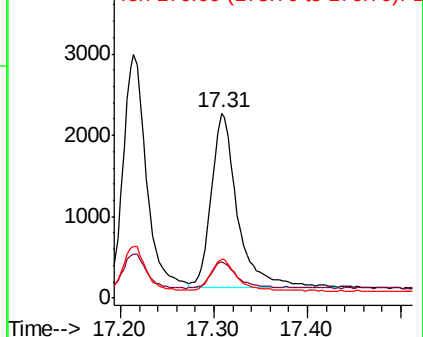
176 20.8 15.2 22.8

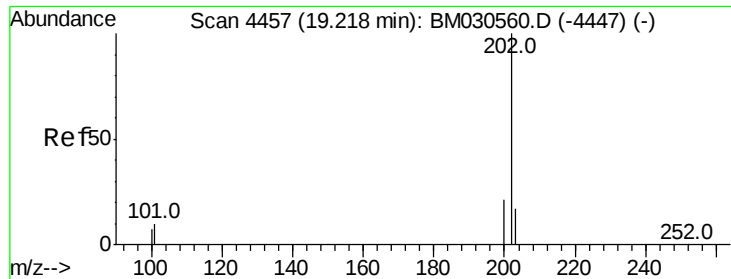


Abundance Ion 178.00 (177.70 to 178.70): E

4000 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.103 ng/ul

RT: 19.22 min Scan# 4458

Delta R.T. 0.00 min

Lab File: BM030558.D

Acq: 23 Jun 2021 21:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.1601

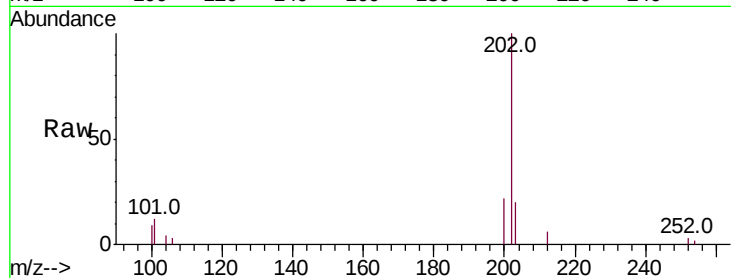
Tot Ion:202 Resp: 5820

Ion Ratio Lower Upper

202 100

101 12.0 8.8 13.2

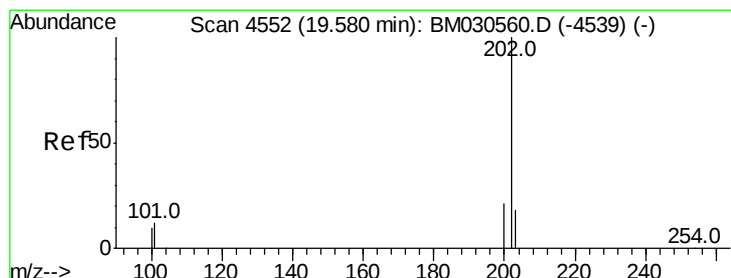
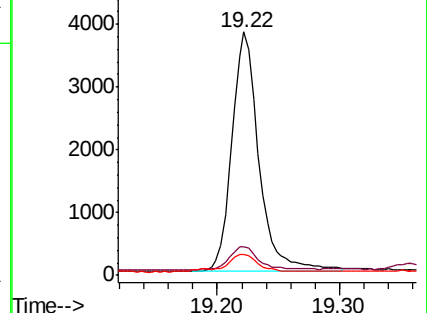
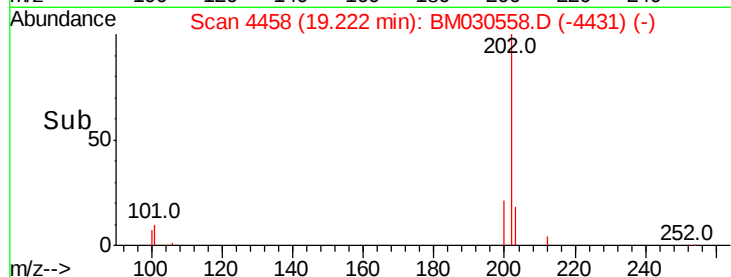
100 8.7 6.9 10.3



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: 0.102 ng/ul

RT: 19.58 min Scan# 4553

Delta R.T. 0.00 min

Lab File: BM030558.D

Acq: 23 Jun 2021 21:49

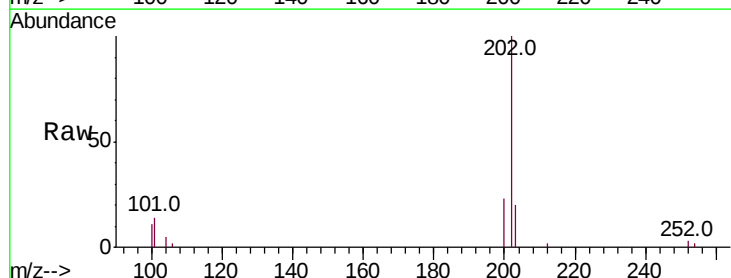
Tgt Ion:202 Resp: 5898

Ion Ratio Lower Upper

202 100

101 14.3 10.1 15.1

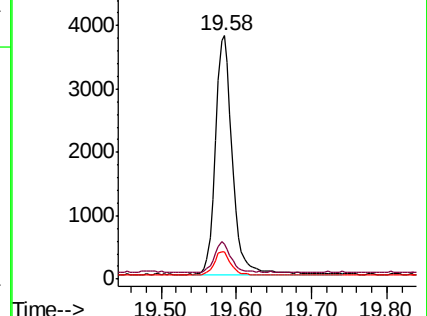
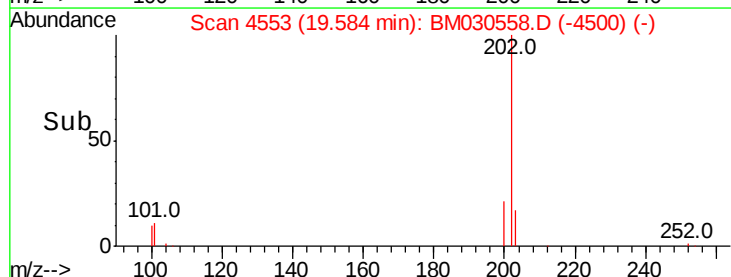
100 11.2 8.2 12.2

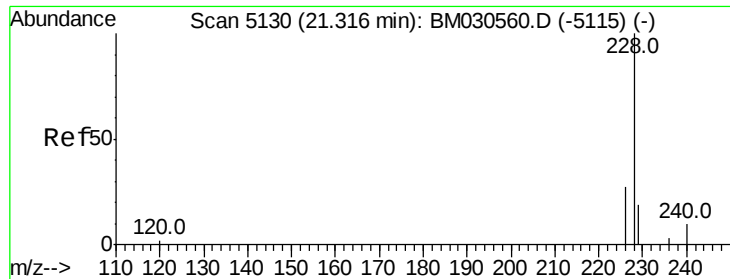


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.102 ng/ul

RT: 21.32 min Scan# 5132

Delta R.T. 0.00 min

Lab File: BM030558.D

Acq: 23 Jun 2021 21:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.1601

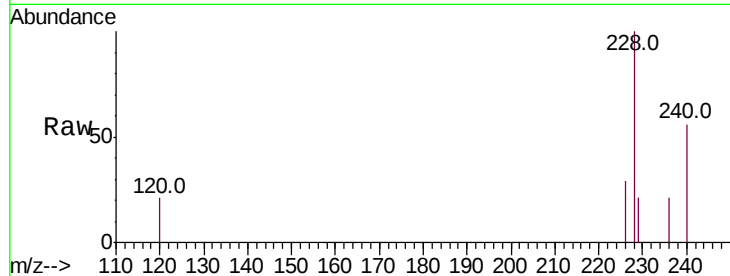
Tot Ion:228 Resp: 4556

Ion Ratio Lower Upper

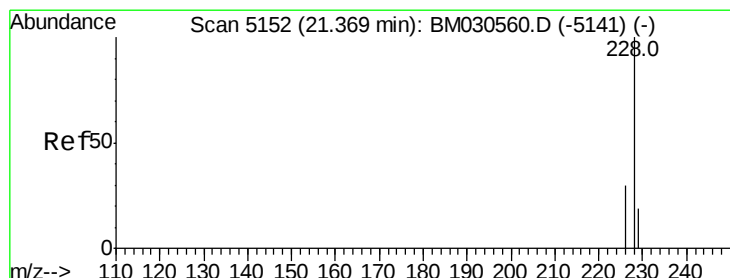
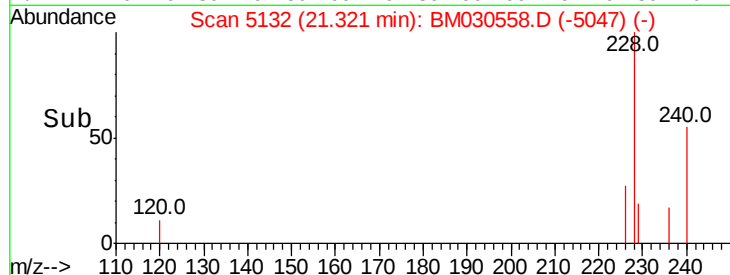
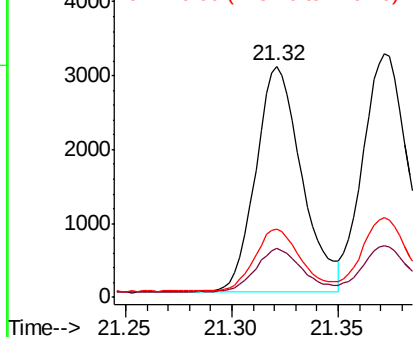
228 100

229 21.4 15.8 23.6

226 29.3 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: 0.105 ng/ul

RT: 21.37 min Scan# 5153

Delta R.T. 0.00 min

Lab File: BM030558.D

Acq: 23 Jun 2021 21:49

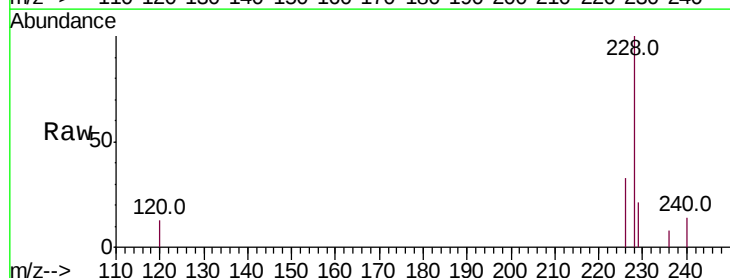
Tgt Ion:228 Resp: 5038

Ion Ratio Lower Upper

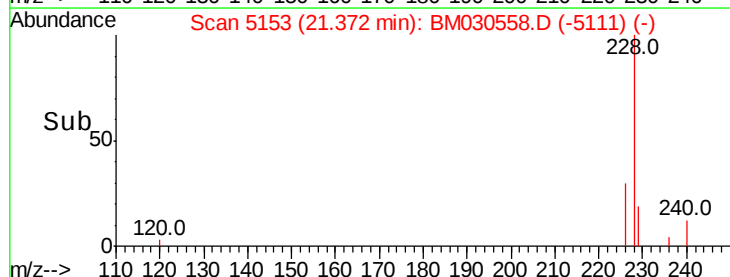
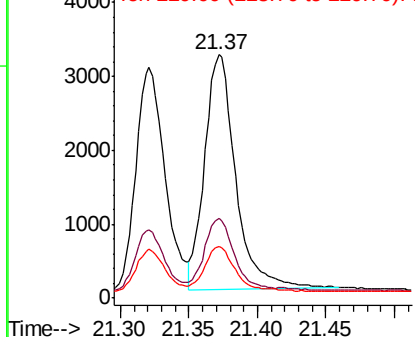
228 100

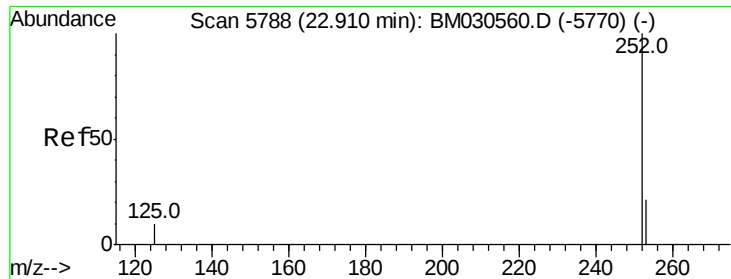
226 32.6 24.4 36.6

229 21.2 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: 0.084 ng/u1

RT: 22.92 min Scan# 5791

Delta R.T. 0.01 min

Lab File: BM030558.D

Acq: 23 Jun 2021 21:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.1601

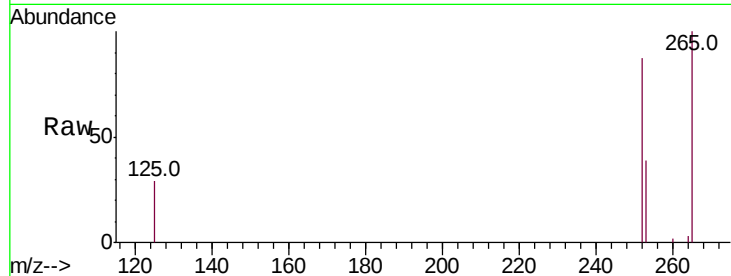
Tot Ion:252 Resp: 4743

Ion Ratio Lower Upper

252 100

253 45.2 0.0 50.2

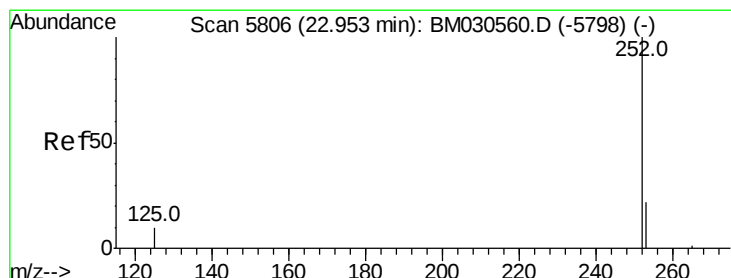
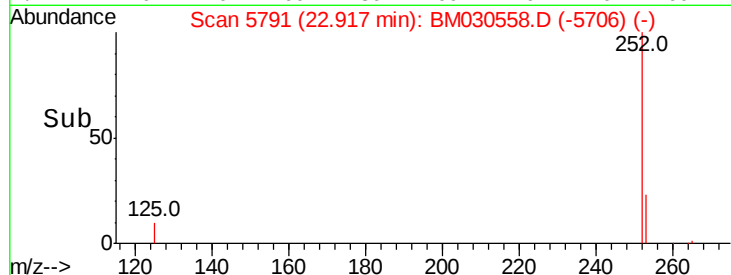
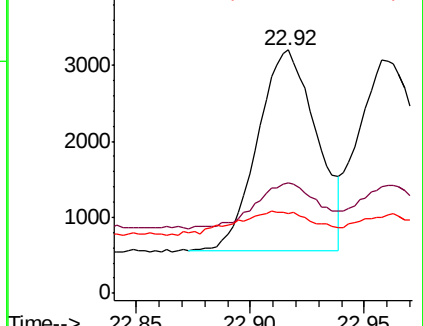
125 32.9 0.0 27.8#



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: 0.097 ng/u1

RT: 22.96 min Scan# 5808

Delta R.T. 0.00 min

Lab File: BM030558.D

Acq: 23 Jun 2021 21:49

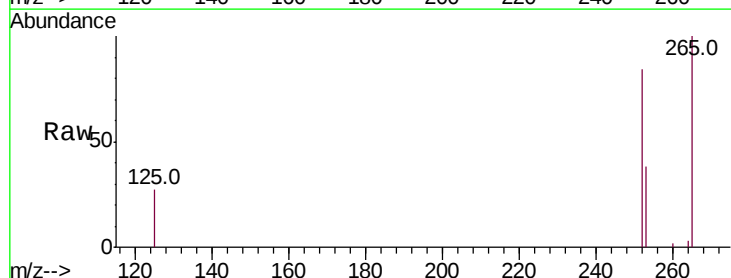
Tgt Ion:252 Resp: 5232

Ion Ratio Lower Upper

252 100

253 45.7 20.6 31.0#

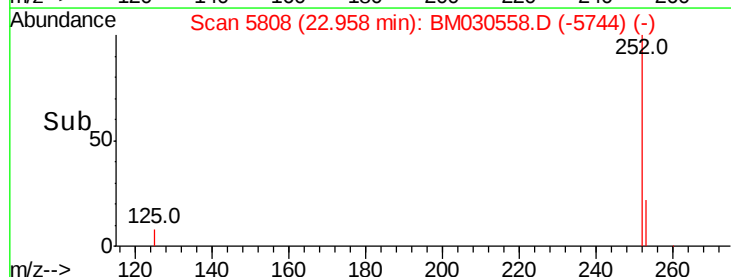
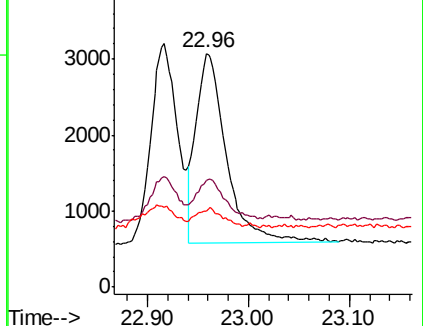
125 32.7 11.0 16.4#

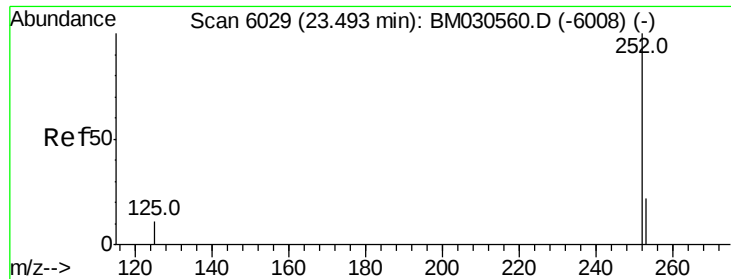


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.093 ng/u1

RT: 23.50 min Scan# 6032

Delta R.T. 0.01 min

Lab File: BM030558.D

Acq: 23 Jun 2021 21:49

Instrument :

BNA_M

ClientSampleId :

SSTD0.1601

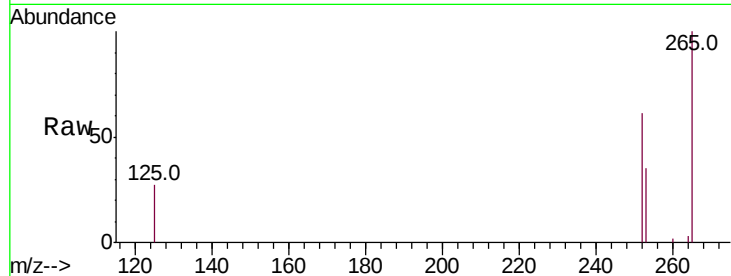
Tot Ion:252 Resp: 4269

Ion Ratio Lower Upper

252 100

253 56.3 22.0 33.0#

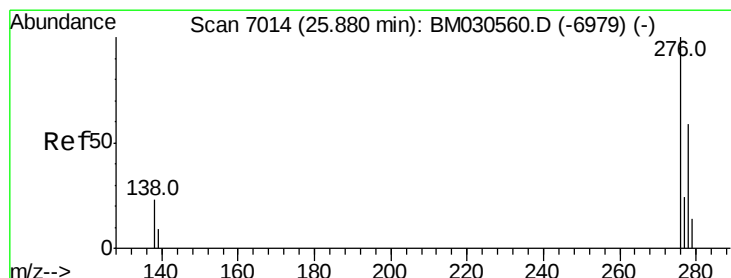
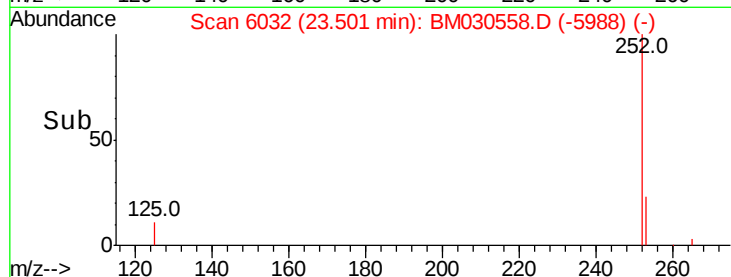
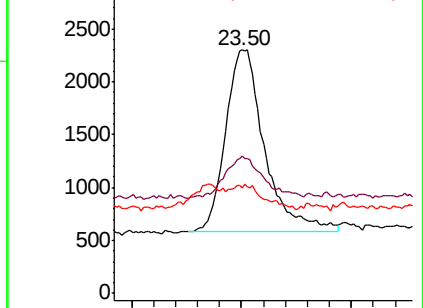
125 43.2 13.4 20.2#



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: 0.089 ng/u1

RT: 25.89 min Scan# 7020

Delta R.T. 0.01 min

Lab File: BM030558.D

Acq: 23 Jun 2021 21:49

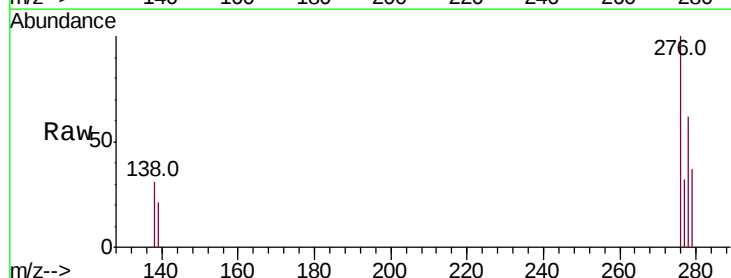
Tgt Ion:276 Resp: 5373

Ion Ratio Lower Upper

276 100

138 22.9 19.1 28.7

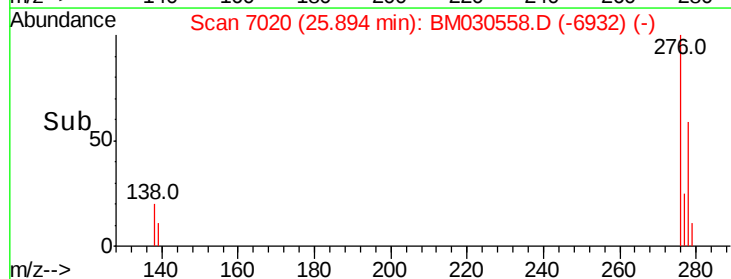
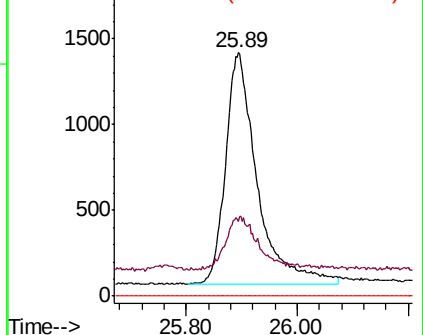
227 0.0 0.0 0.0

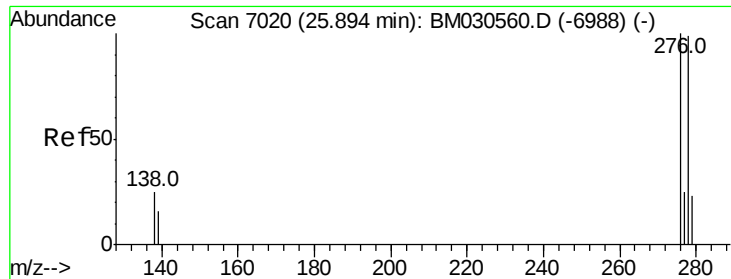


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

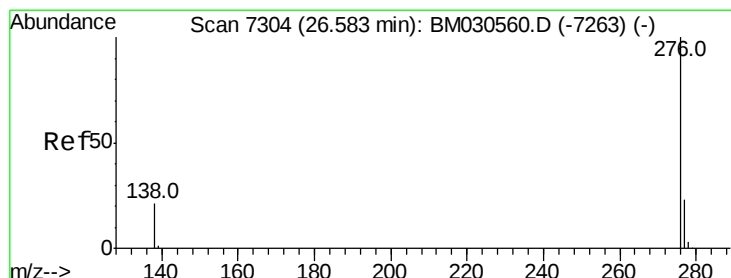
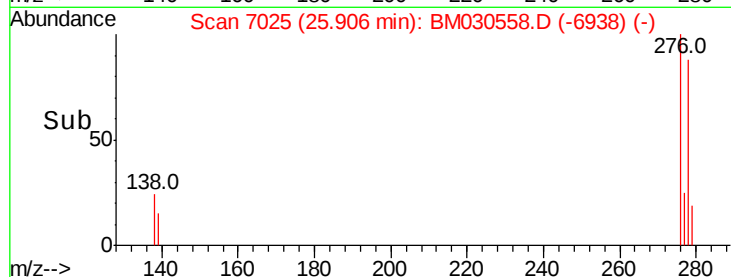
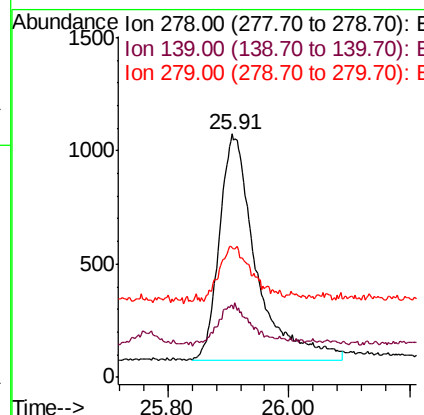
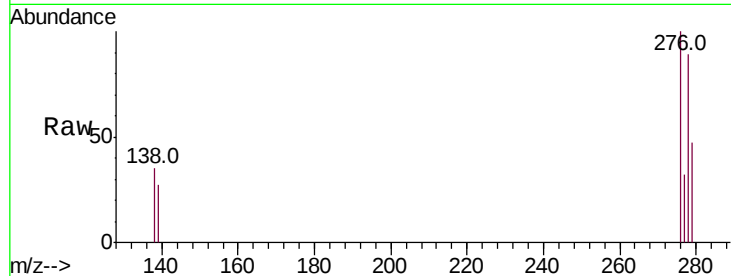




#28
Dibenzo(a,h)anthracene
Concen: 0.086 ng/ul
RT: 25.91 min Scan# 7025
Delta R.T. 0.01 min
Lab File: BM030558.D
Acq: 23 Jun 2021 21:49

Instrument :
BNA_M
ClientSampleId :
SSTD0.1601

Tot Ion:278 Resp: 4209
Ion Ratio Lower Upper
278 100
139 29.9 14.2 21.4#
279 53.2 21.6 32.4#



#29
Benzo(g,h,i)perylene
Concen: 0.087 ng/ul
RT: 26.59 min Scan# 7308
Delta R.T. 0.01 min
Lab File: BM030558.D
Acq: 23 Jun 2021 21:49

Tgt Ion:276 Resp: 4601
Ion Ratio Lower Upper
276 100
138 30.4 18.0 27.0#
277 30.9 19.5 29.3#

