

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062321\
 Data File : BM030562.D
 Acq On : 24 Jun 2021 00:15
 Operator : CG/JU
 Sample : SSTD1.605
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.6605

Quant Time: Jun 24 01:37:54 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

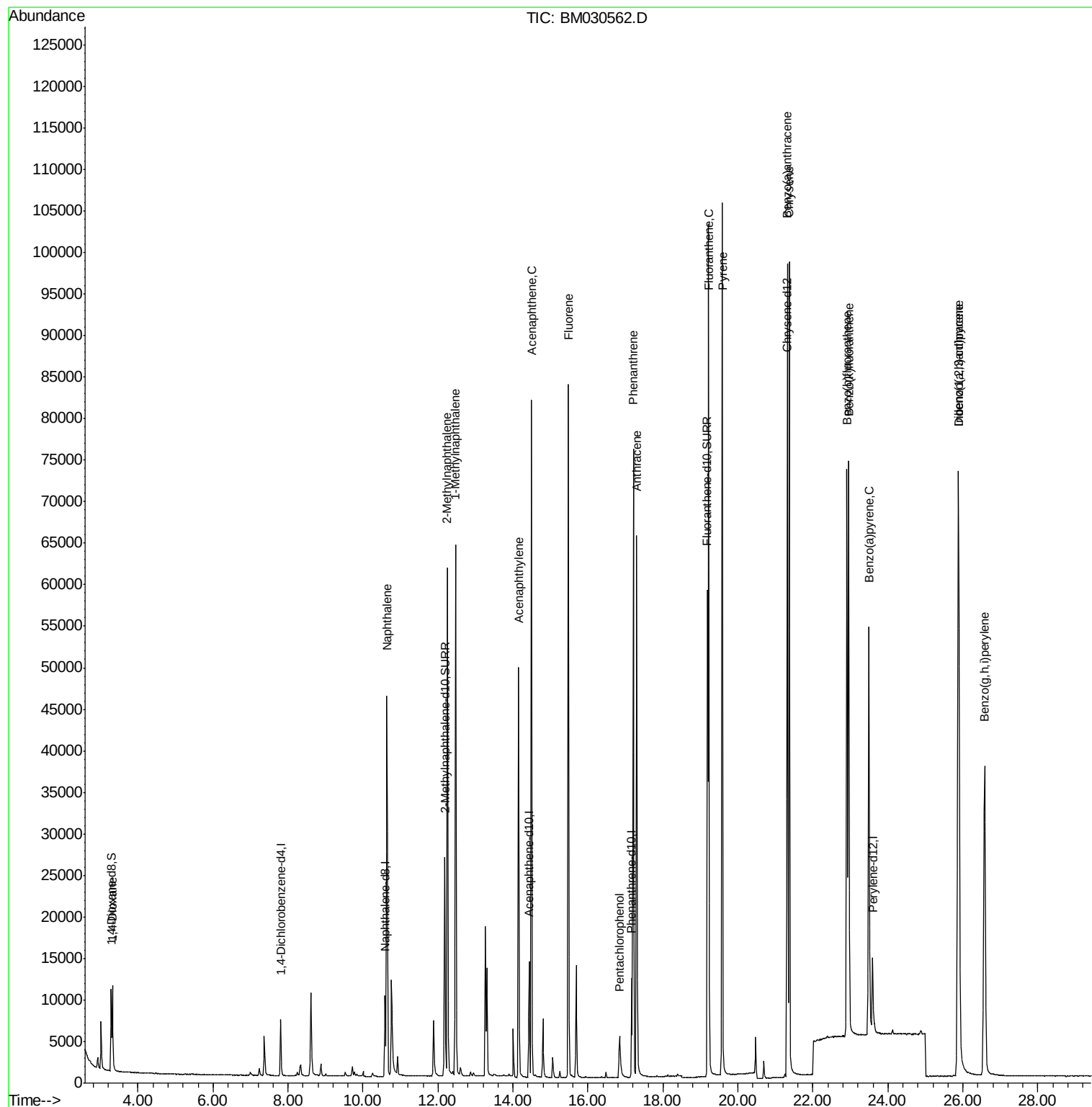
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	3672	0.40	ng/ul	0.00
4) Naphthalene-d8	10.59	136	13656	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.43	164	7725	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.17	188	14428	0.40	ng/ul	0.00
17) Chrysene-d12	21.33	240	12356	0.40	ng/ul	0.00
23) Perylene-d12	23.59	264	12265	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.28	96	6224	1.73	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.18	152	35929	1.84	ng/ul	0.00
18) Fluoranthene-d10	19.19	212	64818	1.56	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.31	88	6695	1.723	ng/ul#	83
5) Naphthalene	10.64	128	65126	1.613	ng/ul	99
7) 2-Methylnaphthalene	12.25	142	45027	1.650	ng/ul	100
8) 1-Methylnaphthalene	12.47	142	44211	1.689	ng/ul	100
10) Acenaphthylene	14.15	152	59311	1.615	ng/ul	100
11) Acenaphthene	14.49	153	46974	1.500	ng/ul	98
12) Fluorene	15.47	166	52810	1.485	ng/ul	99
14) Pentachlorophenol	16.84	266	6797	1.511	ng/ul	95
15) Phenanthrene	17.21	178	81439	1.559	ng/ul	100
16) Anthracene	17.30	178	74270	1.668	ng/ul	99
19) Fluoranthene	19.22	202	91978	1.462	ng/ul	97
20) Pyrene	19.58	202	93026	1.454	ng/ul	98
21) Benzo(a)anthracene	21.31	228	81343	1.640	ng/ul	99
22) Chrysene	21.36	228	85984	1.612	ng/ul	99
24) Benzo(b)fluoranthene	22.90	252	89315	1.465	ng/ul	94
25) Benzo(k)fluoranthene	22.95	252	90750	1.571	ng/ul	94
26) Benzo(a)pyrene	23.49	252	77814	1.580	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	25.87	276	96928	1.487	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.89	278	77493	1.468	ng/ul	96
29) Benzo(a,h,i)perylene	26.58	276	82522	1.449	ng/ul	98

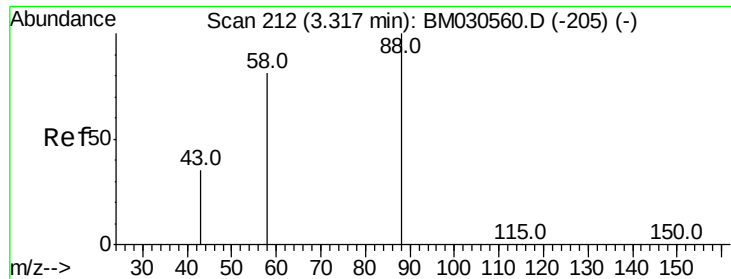
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.723 ng/ul

RT: 3.31 min Scan# 211

Delta R.T. -0.00 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

Instrument :

BNA_M

ClientSampleId :

SSTD1.6605

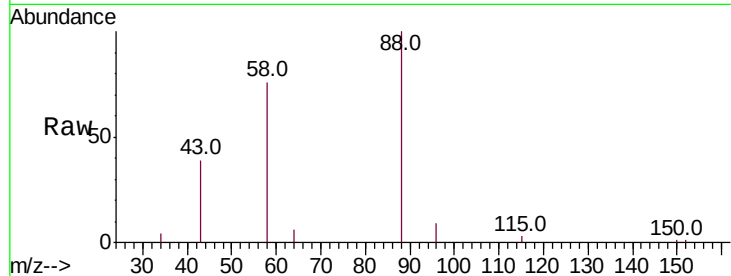
Tot Ion: 88 Resp: 6695

Ion Ratio Lower Upper

88 100

43 39.2 37.7 56.5

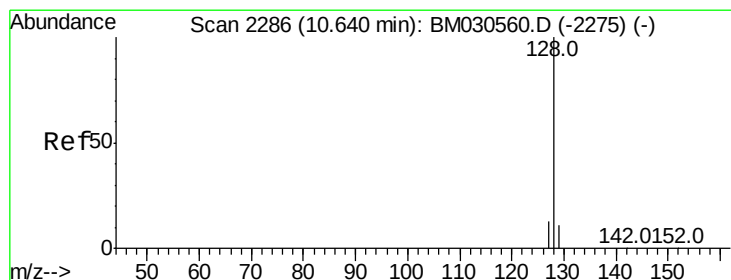
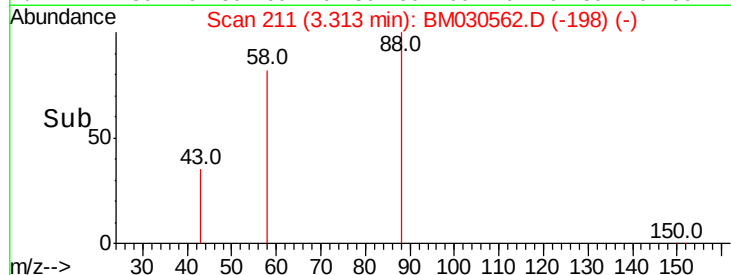
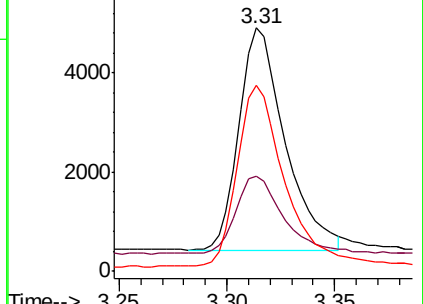
58 76.4 48.5 72.7#



Abundance Ion 88.00 (87.70 to 88.70): BM030562.D (-205) (-)

Ion 43.00 (42.70 to 43.70): BM030562.D (-205) (-)

Ion 58.00 (57.70 to 58.70): BM030562.D (-205) (-)



#5

Naphthalene

Concen: 1.613 ng/ul

RT: 10.64 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

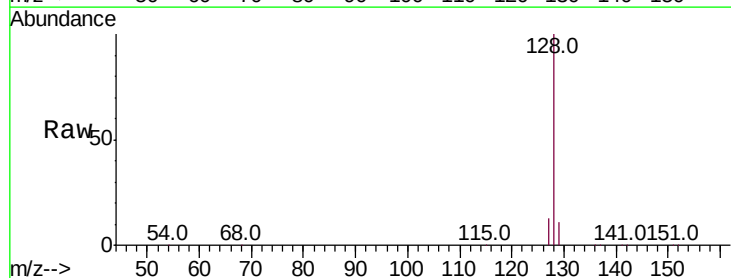
Tgt Ion: 128 Resp: 65126

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

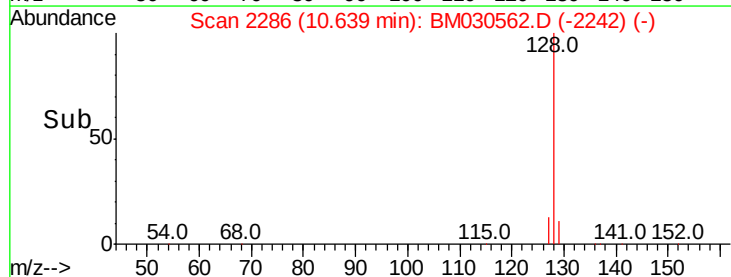
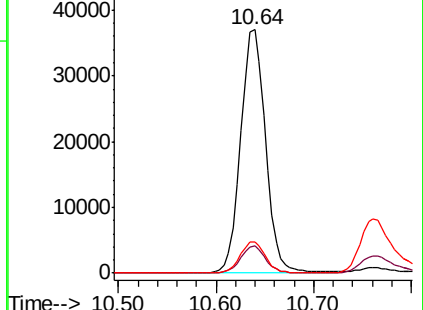
127 13.0 10.9 16.3

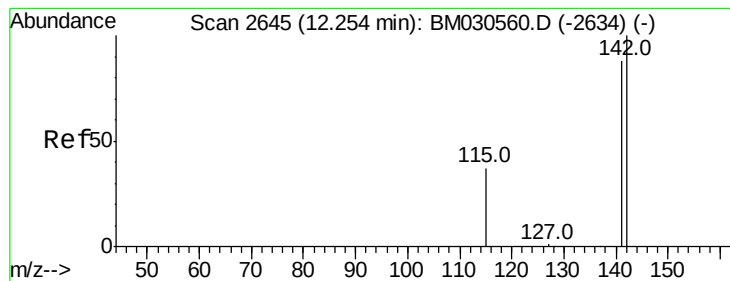


Abundance Ion 128.00 (127.70 to 128.70): BM030562.D (-2242) (-)

Ion 129.00 (128.70 to 129.70): BM030562.D (-2242) (-)

Ion 127.00 (126.70 to 127.70): BM030562.D (-2242) (-)





#7

2-Methylnaphthalene

Concen: 1.650 ng/ul

RT: 12.25 min Scan# 2644

Delta R.T. -0.00 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

Instrument :

BNA_M

ClientSampleId :

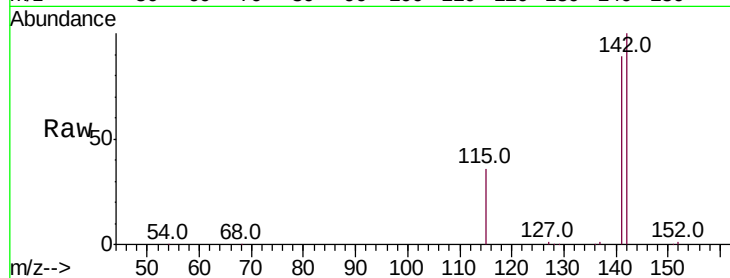
SSTD1.6605

Tot Ion:142 Resp: 45027

Ion Ratio Lower Upper

142 100

141 89.4 71.4 107.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.25

30000

25000

20000

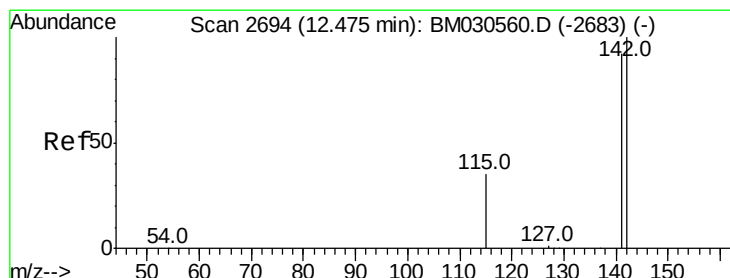
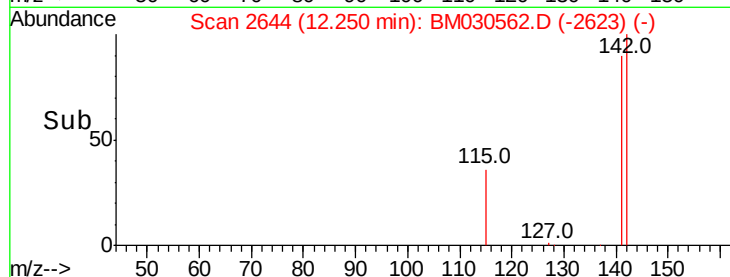
15000

10000

5000

0

Time--> 12.10 12.20 12.30 12.40



#8

1-Methylnaphthalene

Concen: 1.689 ng/ul

RT: 12.47 min Scan# 2693

Delta R.T. -0.00 min

Lab File: BM030562.D

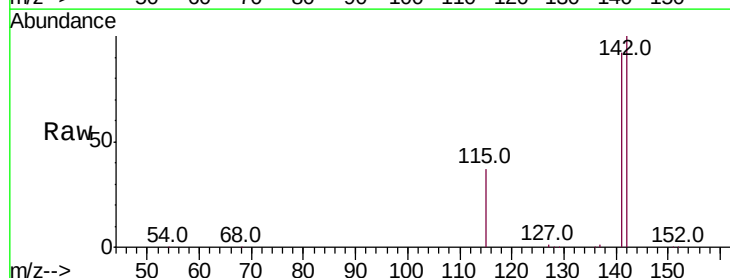
Acq: 24 Jun 2021 00:15

Tgt Ion:142 Resp: 44211

Ion Ratio Lower Upper

142 100

141 92.0 73.4 110.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.47

30000

25000

20000

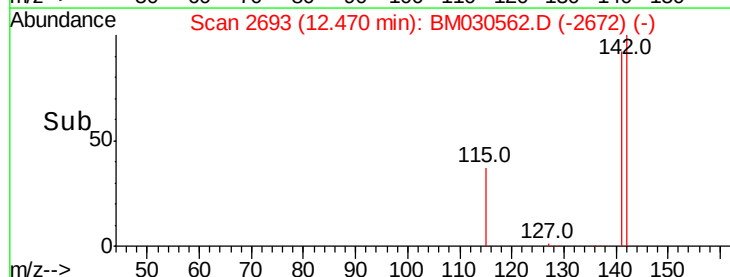
15000

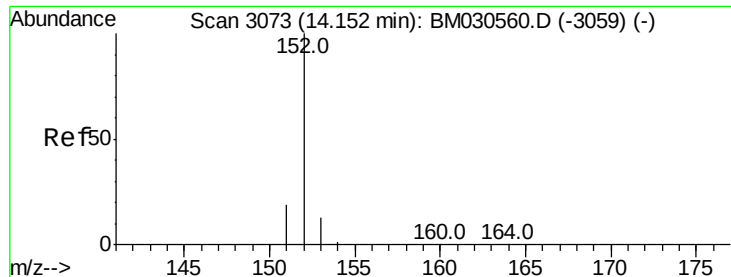
10000

5000

0

Time--> 12.40 12.50





#10

Acenaphthylene

Concen: 1.615 ng/ul

RT: 14.15 min Scan# 3073

Delta R.T. -0.00 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

Instrument :

BNA_M

ClientSampleId :

SSTD1.6605

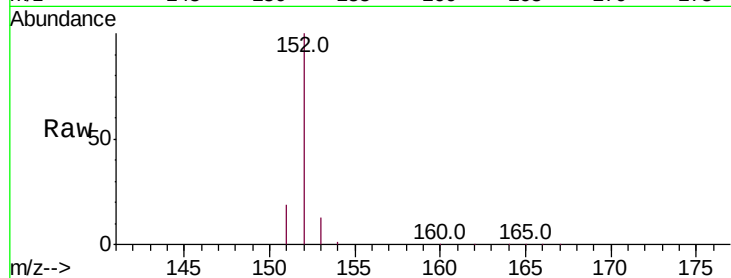
Tot Ion:152 Resp: 59311

Ion Ratio Lower Upper

152 100

151 19.3 15.5 23.3

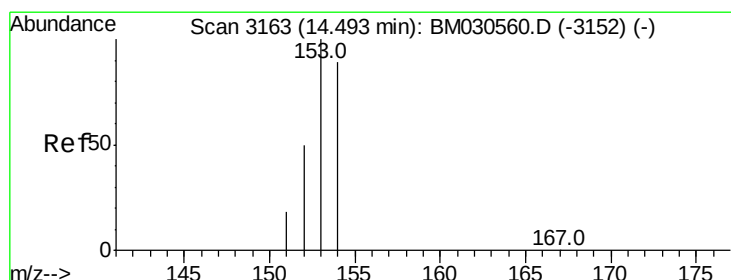
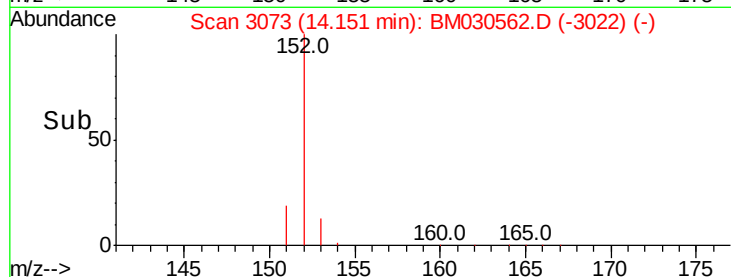
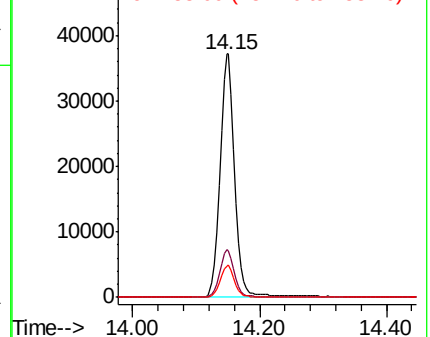
153 13.2 10.7 16.1



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: 1.500 ng/ul

RT: 14.49 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

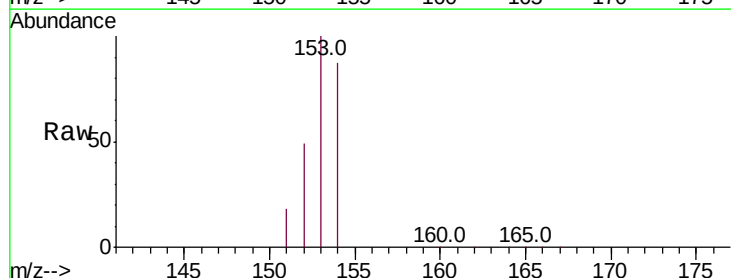
Tgt Ion:153 Resp: 46974

Ion Ratio Lower Upper

153 100

152 49.0 40.2 60.2

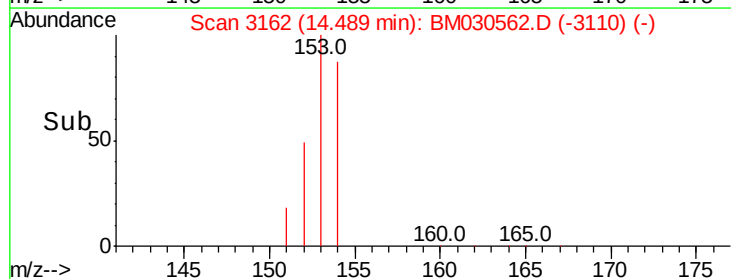
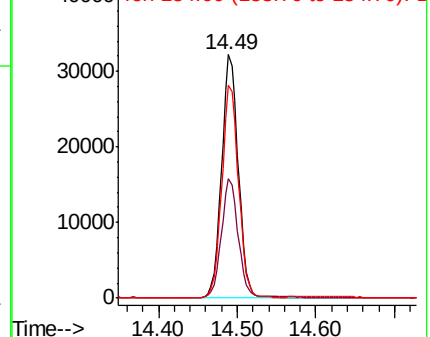
154 87.3 71.2 106.8

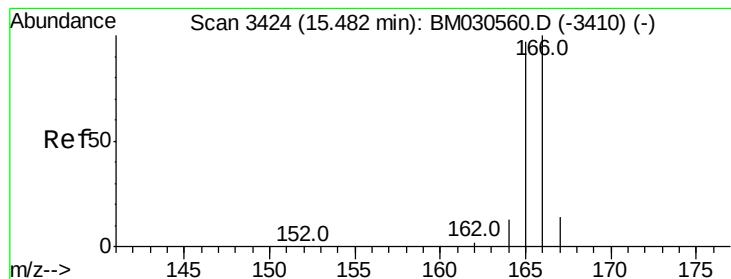


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 1.485 ng/ul

RT: 15.47 min Scan# 3422

Delta R.T. -0.01 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

Instrument :

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ClientSampleId :

SSTD1.6605

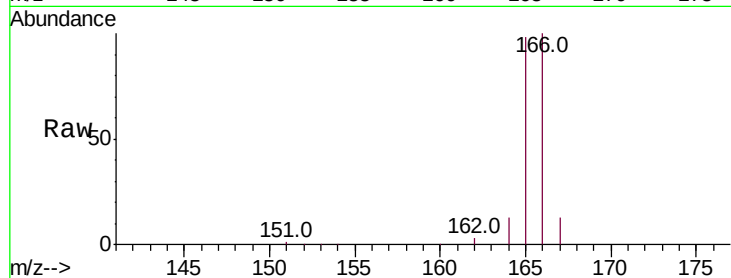
Tot Ion:166 Resp: 52810

Ion Ratio Lower Upper

166 100

165 98.4 77.7 116.5

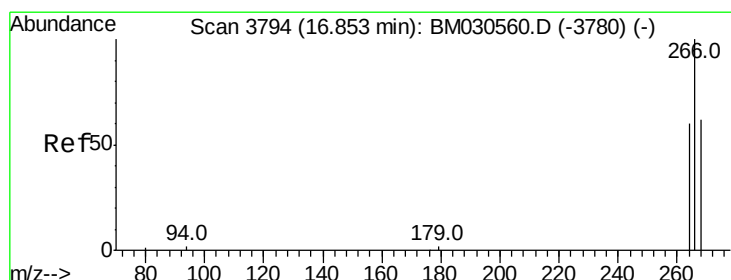
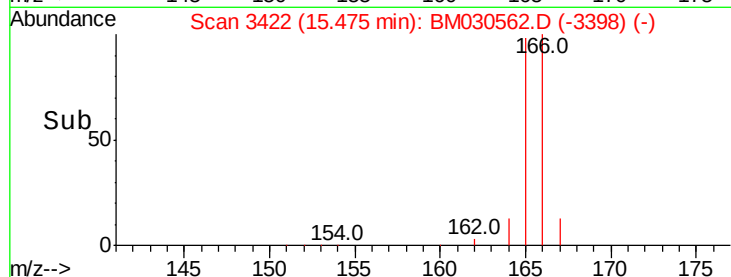
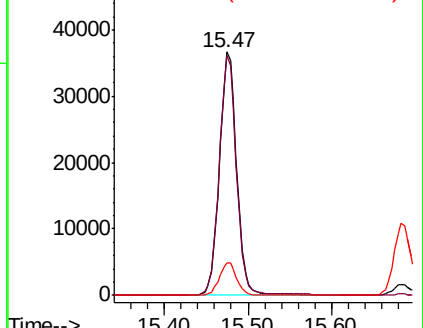
167 13.5 11.3 16.9



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: 1.511 ng/ul

RT: 16.84 min Scan# 3789

Delta R.T. -0.02 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

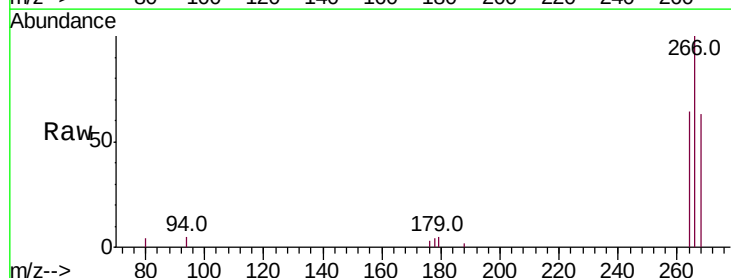
Tgt Ion:266 Resp: 6797

Ion Ratio Lower Upper

266 100

264 62.9 47.7 71.5

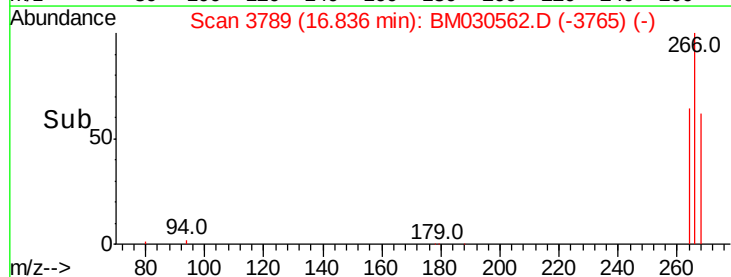
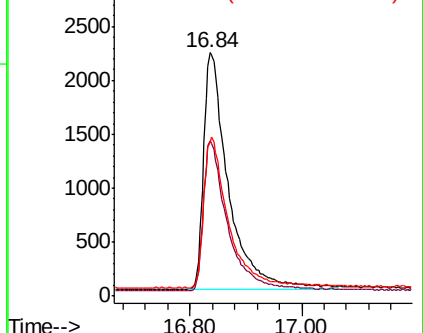
268 63.4 47.5 71.3

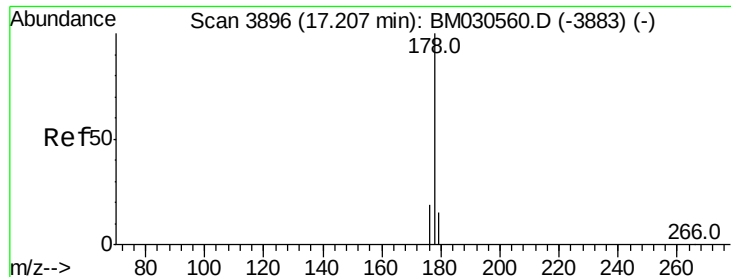


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 1.559 ng/ul

RT: 17.21 min Scan# 3896

Delta R.T. -0.00 min

Lab File: BM030562.D

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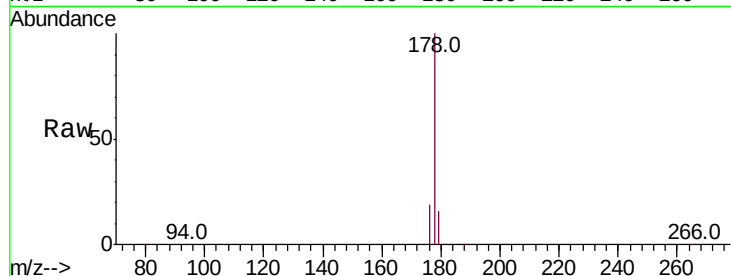
Tot Ion:178 Resp: 81439

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

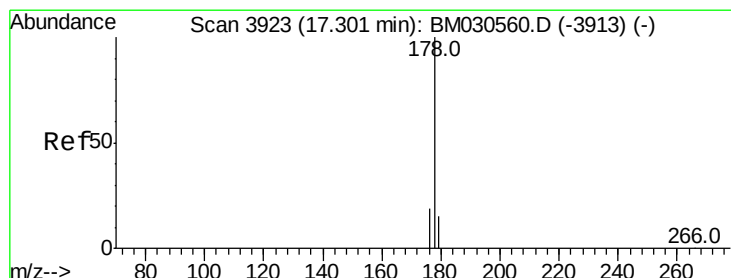
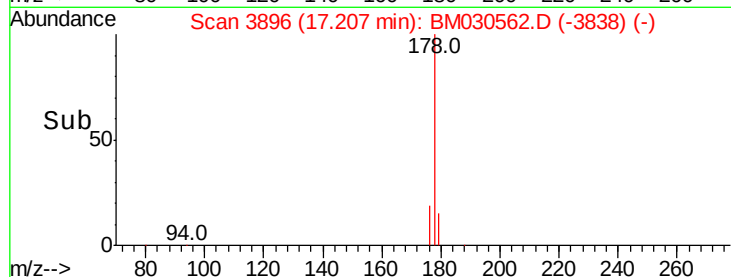
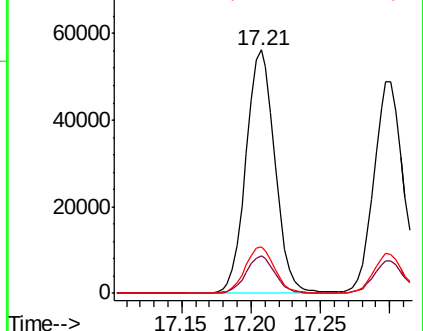
176 19.4 15.5 23.3



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: 1.668 ng/ul

RT: 17.30 min Scan# 3922

Delta R.T. -0.00 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

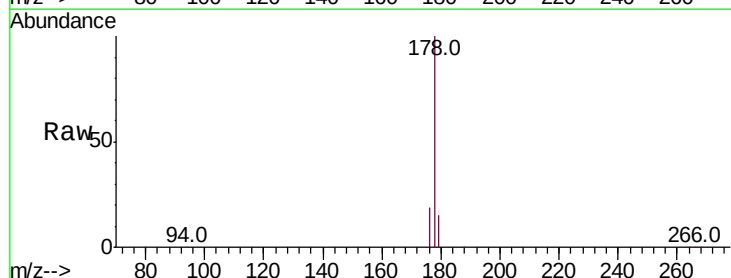
Tgt Ion:178 Resp: 74270

Ion Ratio Lower Upper

178 100

179 15.3 12.7 19.1

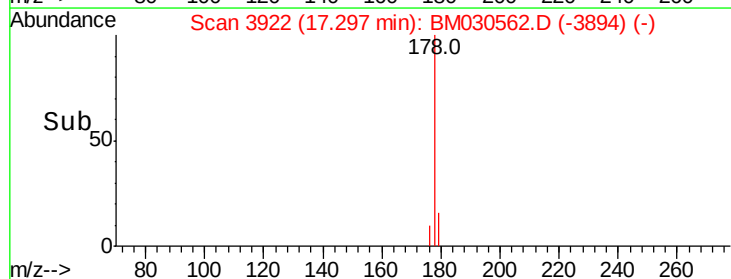
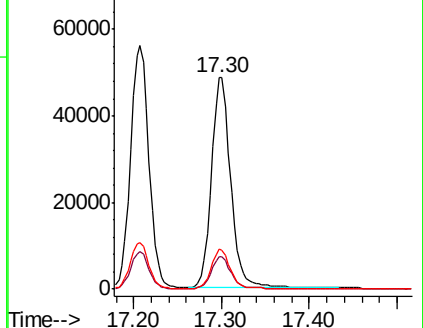
176 18.8 15.2 22.8

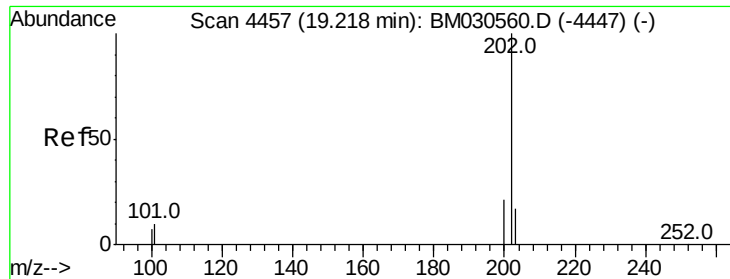


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 1.462 ng/ul

RT: 19.22 min Scan# 4457

Delta R.T. -0.00 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

Instrument :

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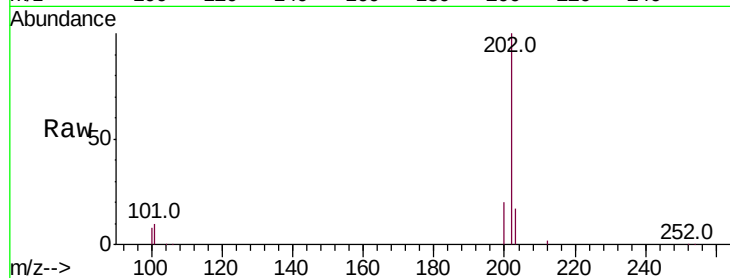
Tot Ion:202 Resp: 91978

Ion Ratio Lower Upper

202 100

101 10.0 8.8 13.2

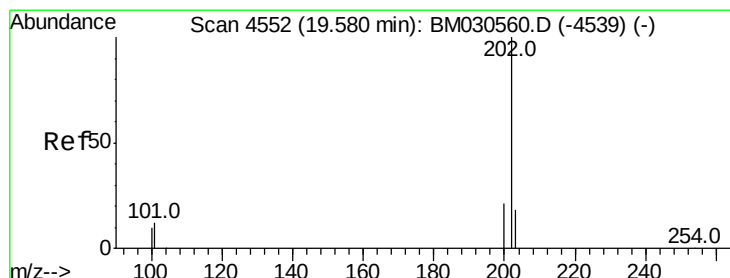
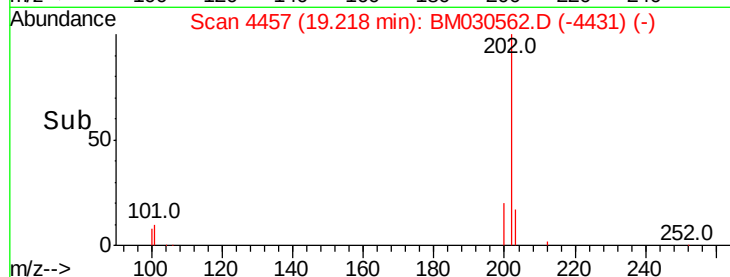
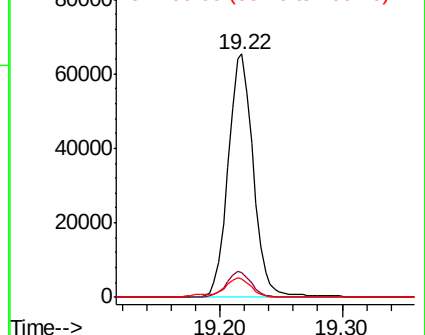
100 7.6 6.9 10.3



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: 1.454 ng/ul

RT: 19.58 min Scan# 4552

Delta R.T. -0.00 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

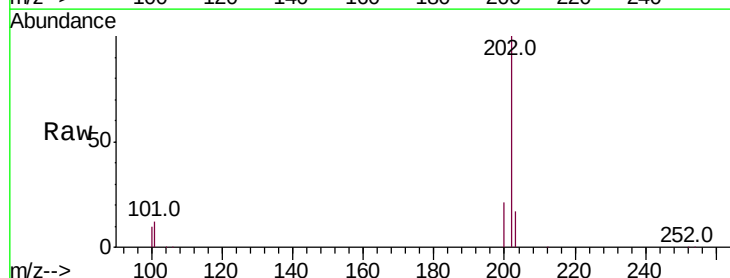
Tgt Ion:202 Resp: 93026

Ion Ratio Lower Upper

202 100

101 12.0 10.1 15.1

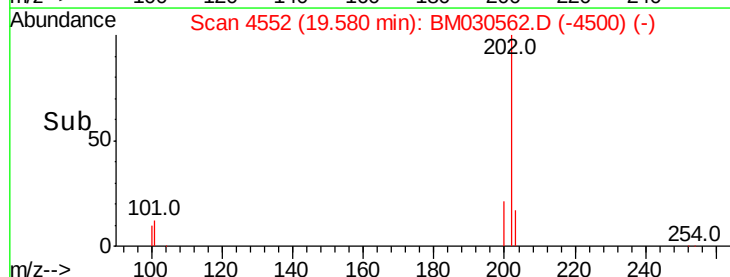
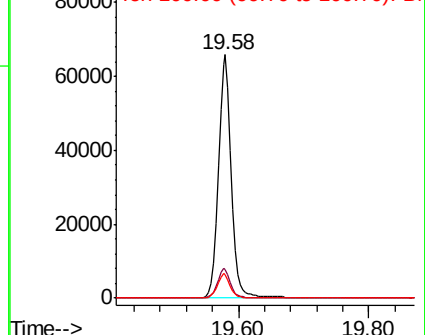
100 9.6 8.2 12.2

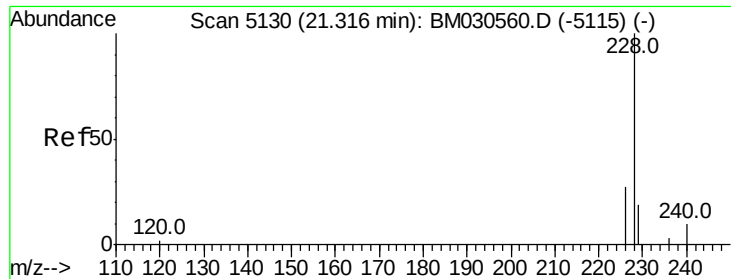


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 1.640 ng/ul

RT: 21.31 min Scan# 5129

Delta R.T. -0.00 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

Instrument :

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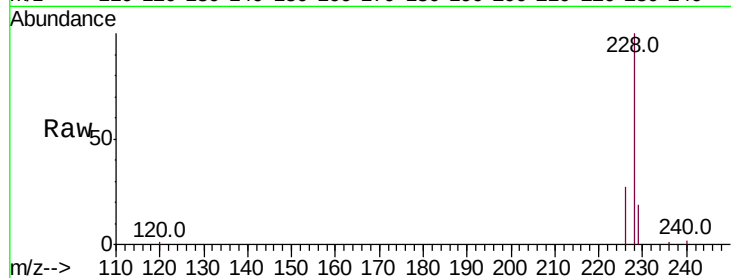
Tot Ion:228 Resp: 81343

Ion Ratio Lower Upper

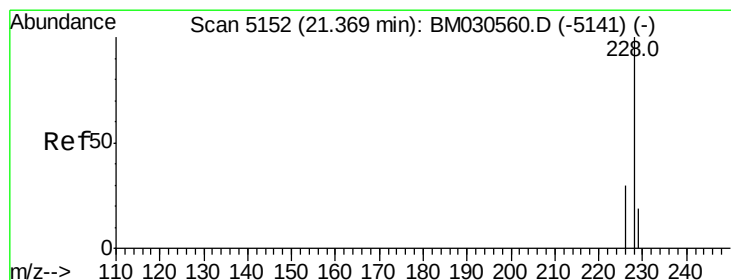
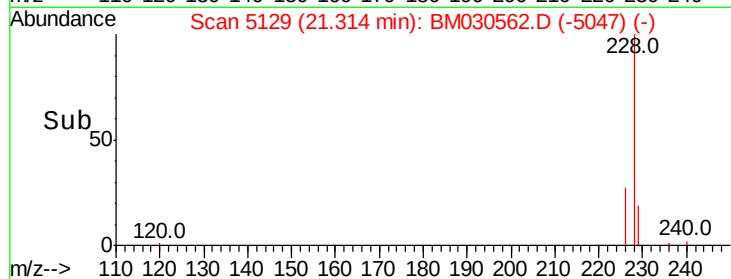
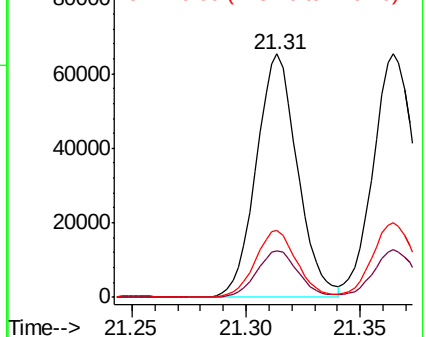
228 100

229 19.3 15.8 23.6

226 27.3 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: 1.612 ng/ul

RT: 21.36 min Scan# 5150

Delta R.T. -0.00 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

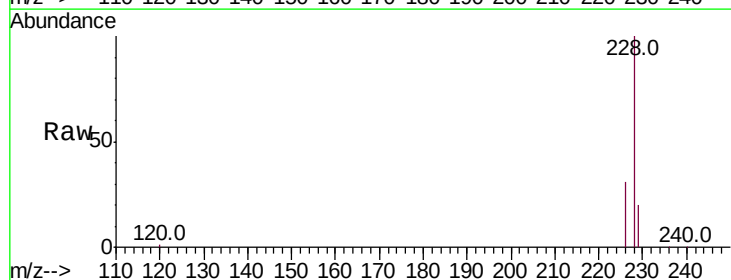
Tgt Ion:228 Resp: 85984

Ion Ratio Lower Upper

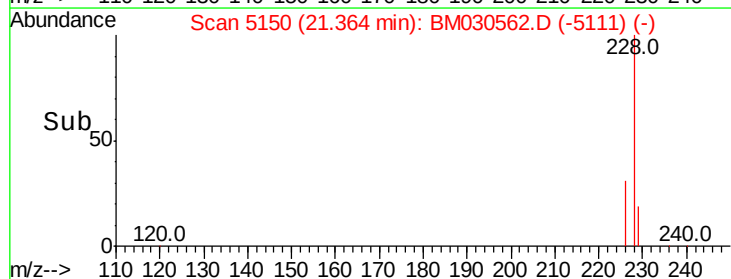
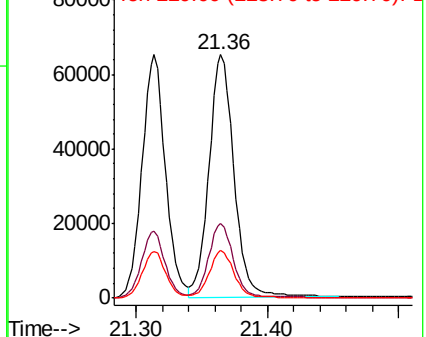
228 100

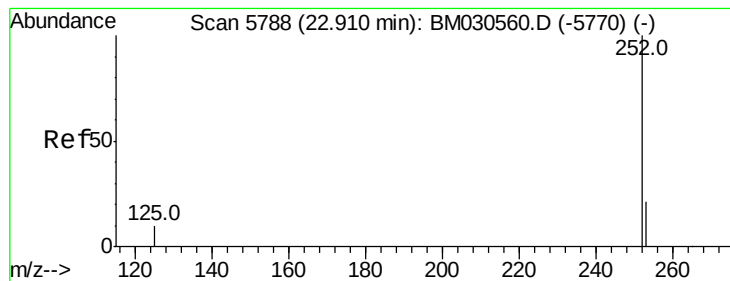
226 30.7 24.4 36.6

229 19.5 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: 1.465 ng/ul

RT: 22.90 min Scan# 5786

Delta R.T. -0.00 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

Instrument :

BNA_M

ClientSampleId :

SSTD1.6605

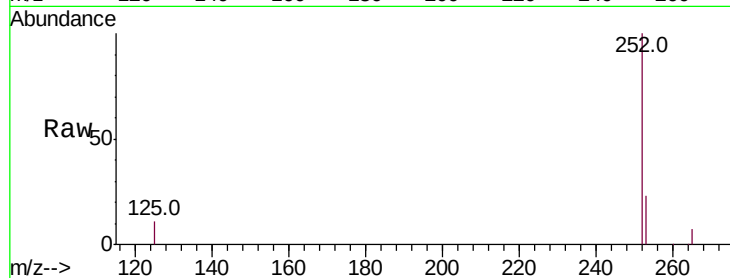
Tot Ion:252 Resp: 89315

Ion Ratio Lower Upper

252 100

253 22.8 0.0 50.2

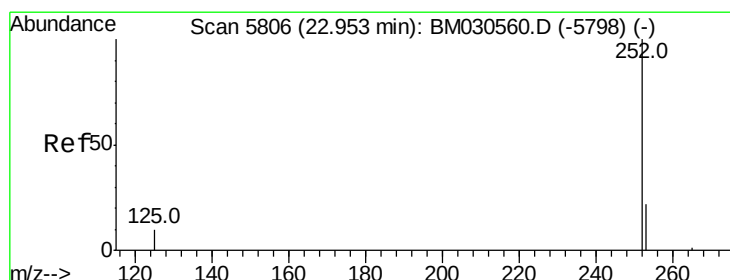
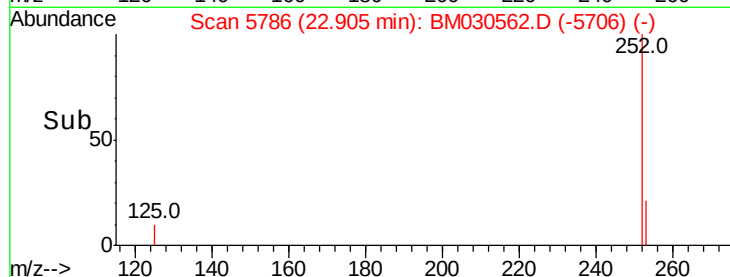
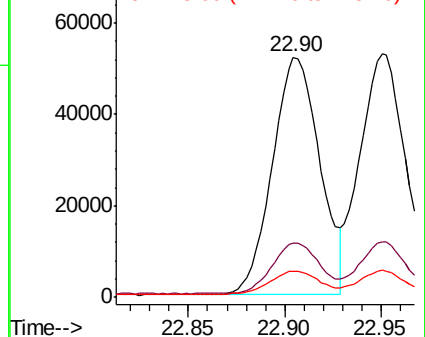
125 10.9 0.0 27.8



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: 1.571 ng/ul

RT: 22.95 min Scan# 5805

Delta R.T. -0.00 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

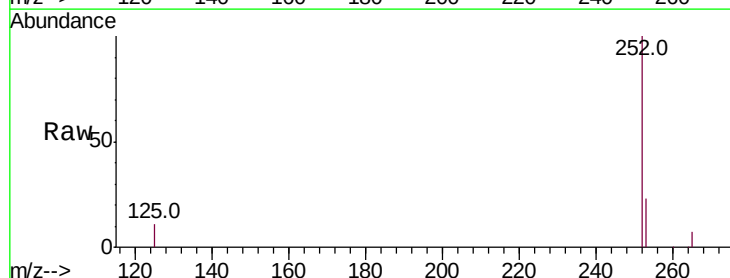
Tgt Ion:252 Resp: 90750

Ion Ratio Lower Upper

252 100

253 22.8 20.6 31.0

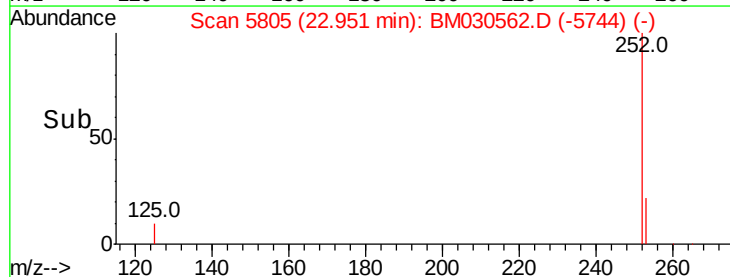
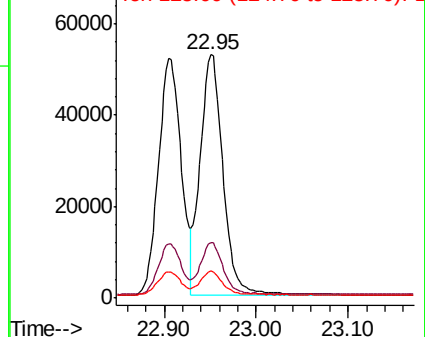
125 11.0 11.0 16.4

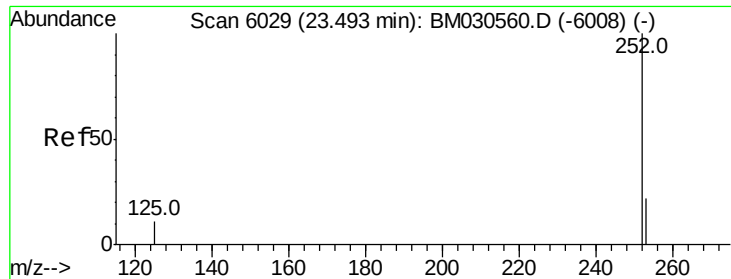


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 1.580 ng/ul

RT: 23.49 min Scan# 6028

Delta R.T. -0.00 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

Instrument :

BNA_M

ClientSampleId :

SSTD1.6605

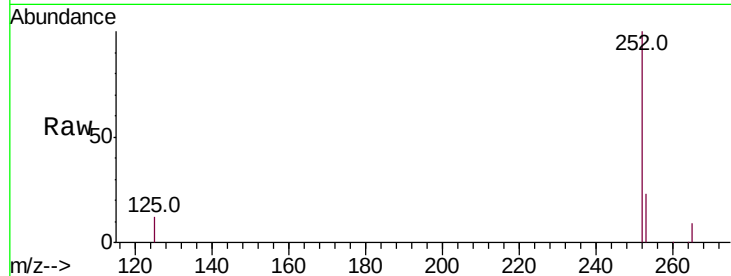
Tot Ion:252 Resp: 77814

Ion Ratio Lower Upper

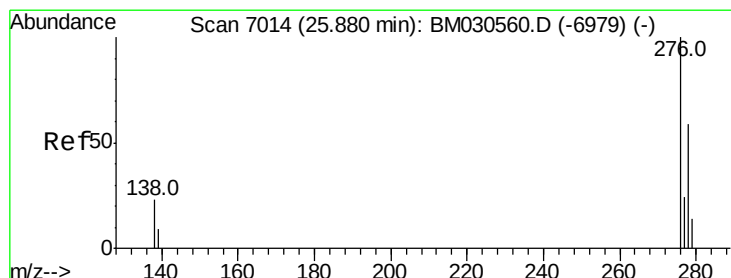
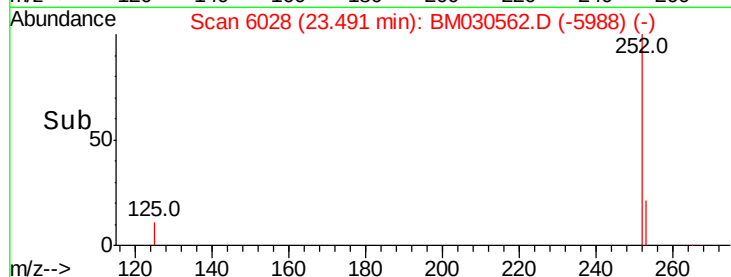
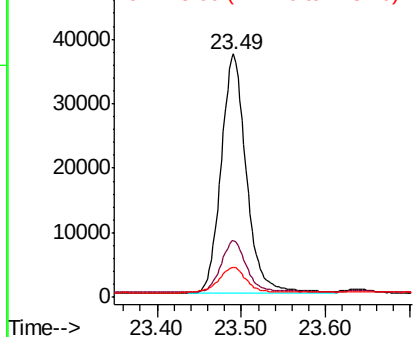
252 100

253 23.4 22.0 33.0

125 12.3 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: 1.487 ng/ul

RT: 25.87 min Scan# 7012

Delta R.T. -0.00 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

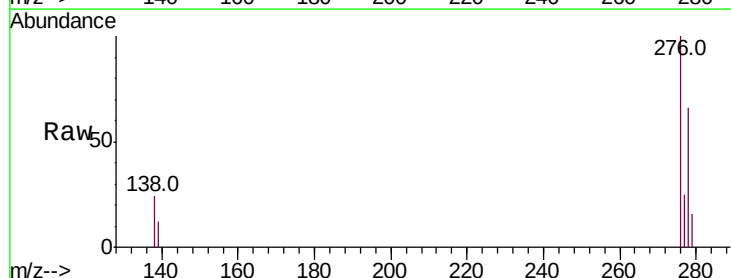
Tgt Ion:276 Resp: 96928

Ion Ratio Lower Upper

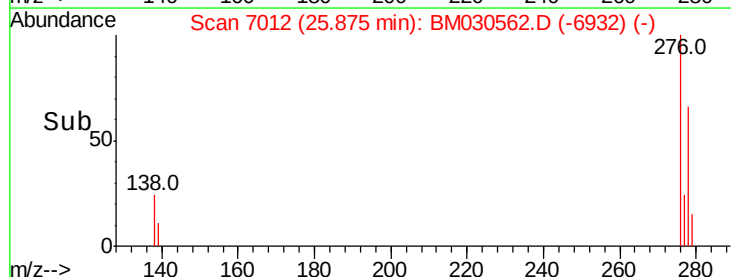
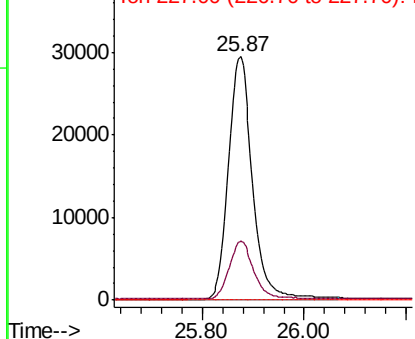
276 100

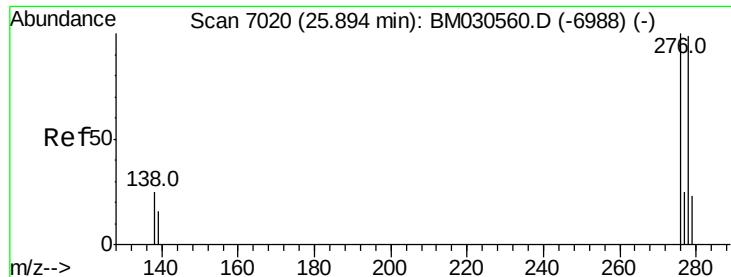
138 24.3 19.1 28.7

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: 1.468 ng/ul

RT: 25.89 min Scan# 7017

Delta R.T. -0.01 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

Instrument :

BNA_M

ClientSampleId :

SSTD1.6605

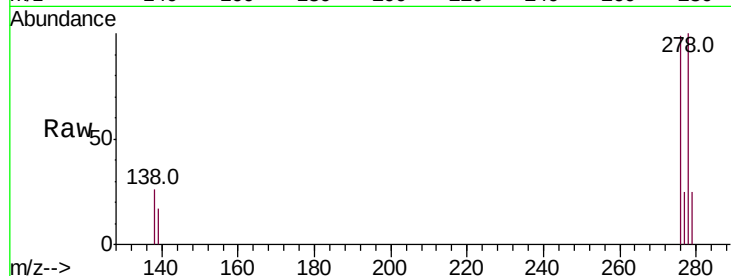
Tot Ion:278 Resp: 77493

Ion Ratio Lower Upper

278 100

139 16.7 14.2 21.4

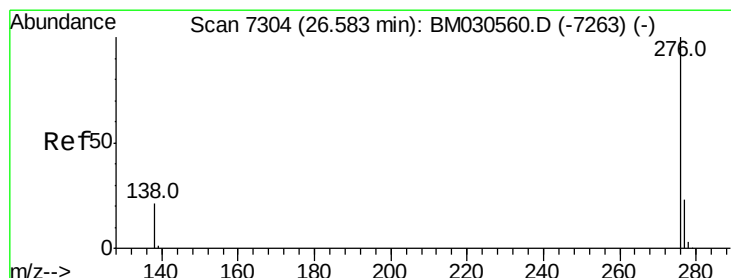
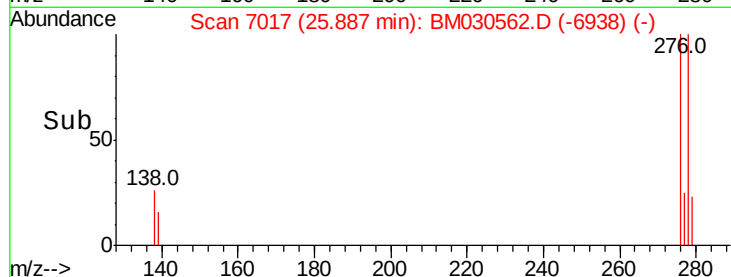
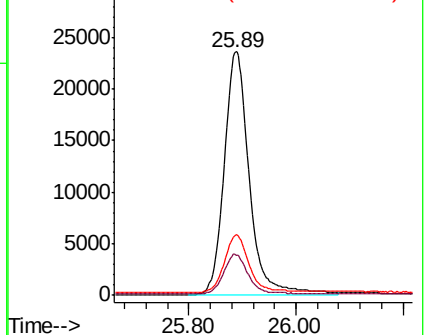
279 24.7 21.6 32.4



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: 1.449 ng/ul

RT: 26.58 min Scan# 7301

Delta R.T. -0.01 min

Lab File: BM030562.D

Acq: 24 Jun 2021 00:15

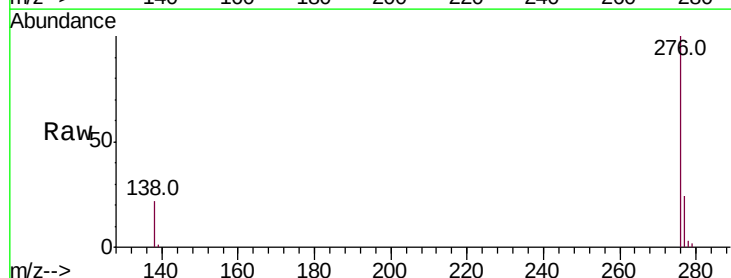
Tgt Ion:276 Resp: 82522

Ion Ratio Lower Upper

276 100

138 21.6 18.0 27.0

277 23.8 19.5 29.3



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

