

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062321\
 Data File : BM030560.D
 Acq On : 23 Jun 2021 23:02
 Operator : CG/JU
 Sample : SST00.403
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST00.4603

Quant Time: Jun 24 01:37:38 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

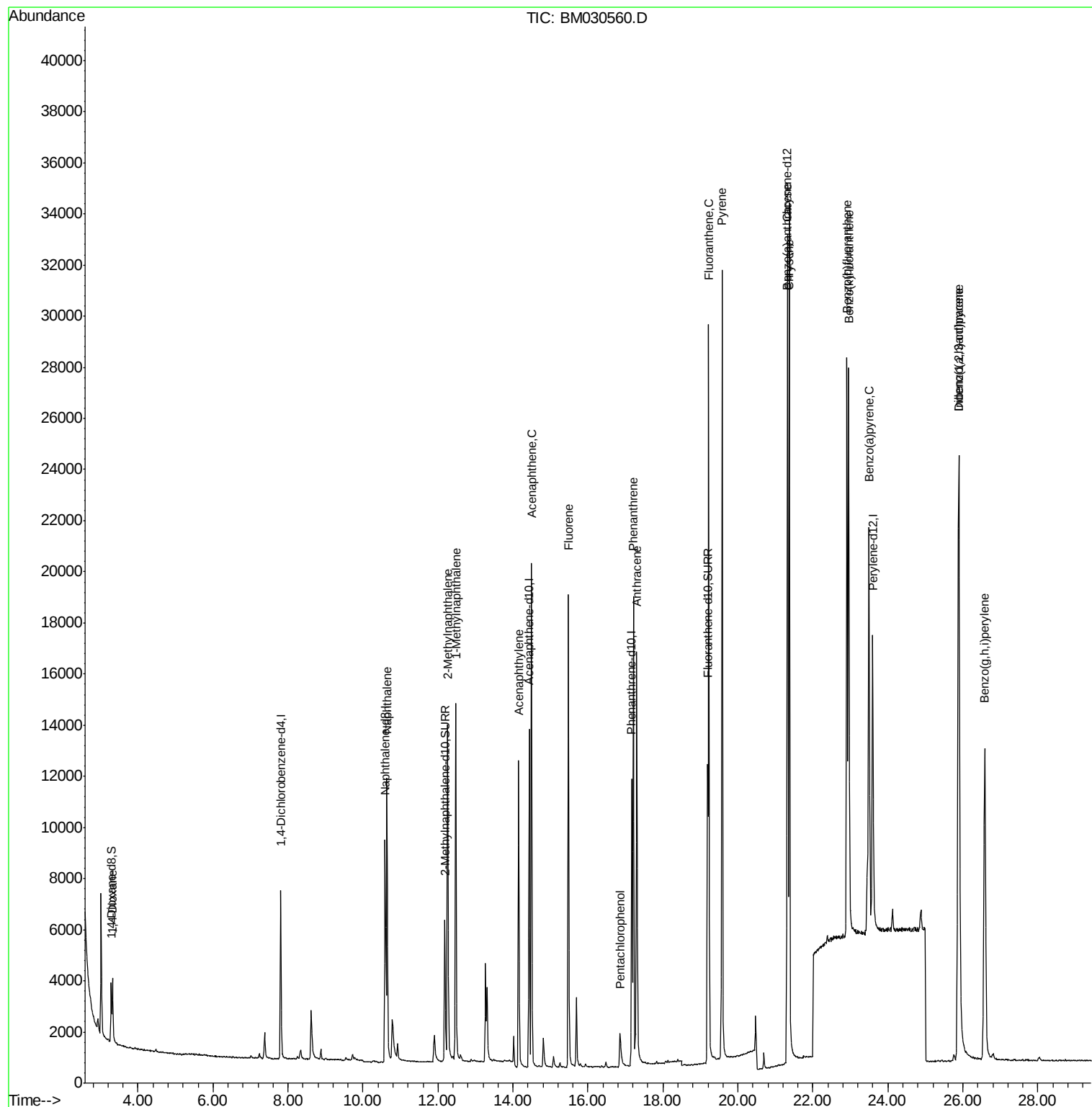
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	3671	0.40	ng/ul	0.00
4) Naphthalene-d8	10.59	136	13386	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.43	164	7478	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.17	188	14407	0.40	ng/ul	0.00
17) Chrysene-d12	21.33	240	17218	0.40	ng/ul	0.00
23) Perylene-d12	23.59	264	16586	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.29	96	1662	0.46	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.18	152	8685	0.45	ng/ul	0.00
18) Fluoranthene-d10	19.19	212	15707	0.27	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.32	88	1641	0.422	ng/ul	100
5) Naphthalene	10.64	128	16652	0.421	ng/ul	100
7) 2-Methylnaphthalene	12.25	142	11380	0.426	ng/ul	100
8) 1-Methylnaphthalene	12.47	142	10666	0.416	ng/ul	100
10) Acenaphthylene	14.15	152	14610	0.411	ng/ul	100
11) Acenaphthene	14.49	153	11999	0.396	ng/ul	100
12) Fluorene	15.48	166	13357	0.388	ng/ul	100
14) Pentachlorophenol	16.85	266	1953	0.435	ng/ul	100
15) Phenanthrene	17.21	178	21157	0.406	ng/ul	100
16) Anthracene	17.30	178	19983	0.449	ng/ul	100
19) Fluoranthene	19.22	202	26737	0.305	ng/ul	100
20) Pyrene	19.58	202	28097	0.315	ng/ul	100
21) Benzo(a)anthracene	21.32	228	25405	0.368	ng/ul	100
22) Chrysene	21.37	228	30441	0.409	ng/ul	100
24) Benzo(b)fluoranthene	22.91	252	29576	0.359	ng/ul	100
25) Benzo(k)fluoranthene	22.95	252	30617	0.392	ng/ul	100
26) Benzo(a)pyrene	23.49	252	26189	0.393	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	25.88	276	33666	0.382	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.89	278	27107	0.380	ng/ul	100
29) Benzo(g,h,i)perylene	26.58	276	29179	0.379	ng/ul	100

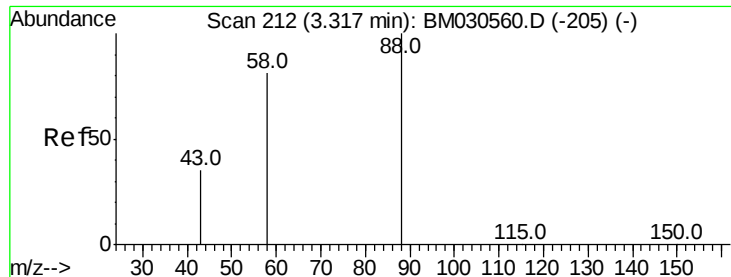
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.422 ng/ul

RT: 3.32 min Scan# 212

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.4603

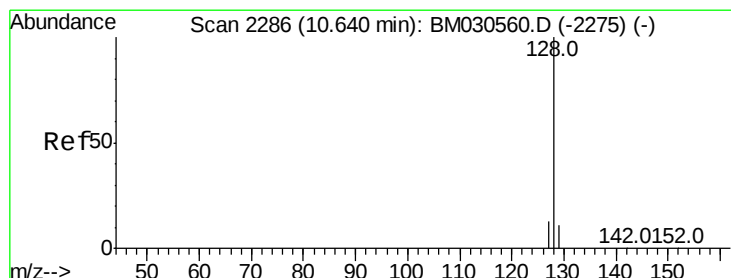
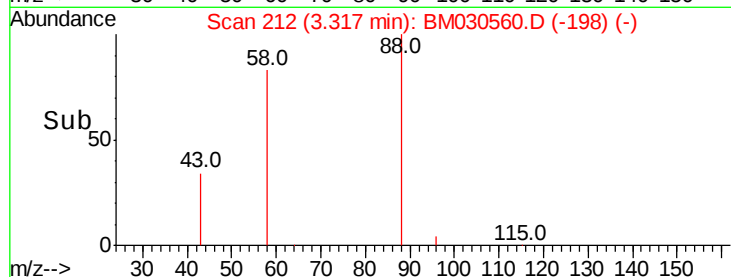
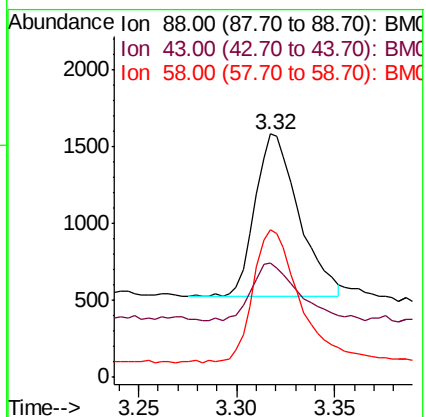
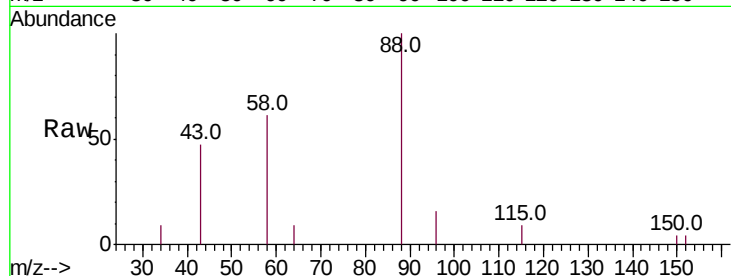
Tot Ion: 88 Resp: 1641

Ion Ratio Lower Upper

88 100

43 47.1 37.7 56.5

58 60.6 48.5 72.7



#5

Naphthalene

Concen: 0.421 ng/ul

RT: 10.64 min Scan# 2286

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

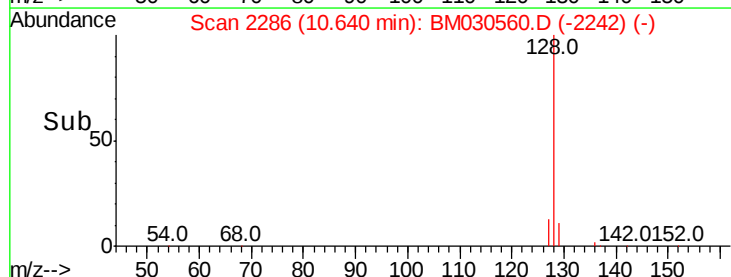
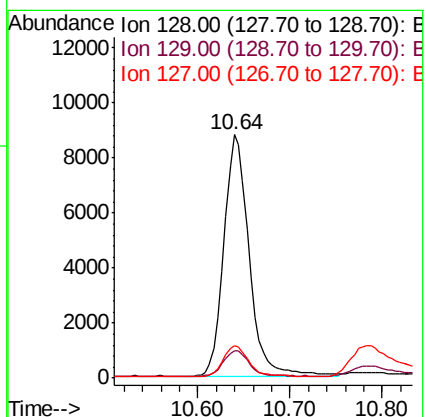
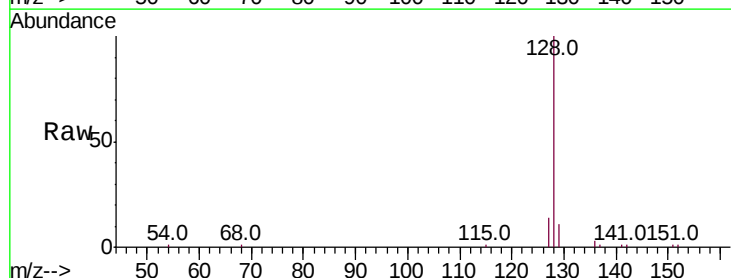
Tgt Ion: 128 Resp: 16652

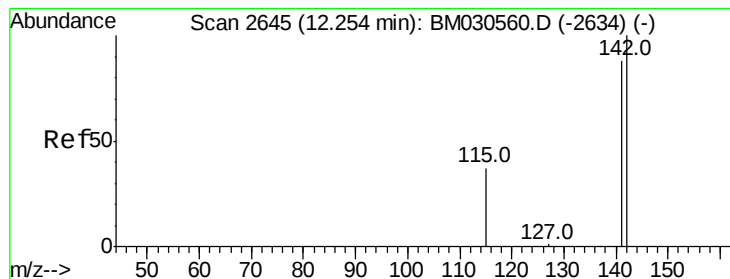
Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

127 13.6 10.9 16.3





#7

2-Methylnaphthalene

Concen: 0.426 ng/ul

RT: 12.25 min Scan# 2645

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

Instrument :

BNA_M

ClientSampleId :

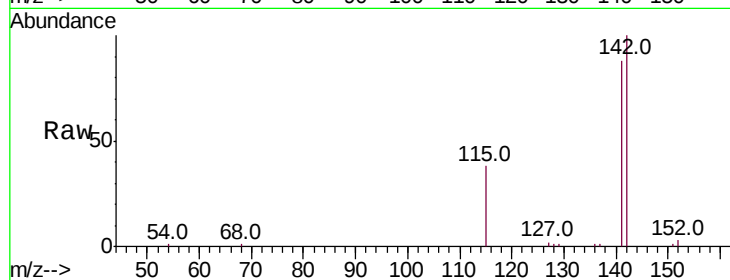
SSTD0.4603

Tot Ion:142 Resp: 11380

Ion Ratio Lower Upper

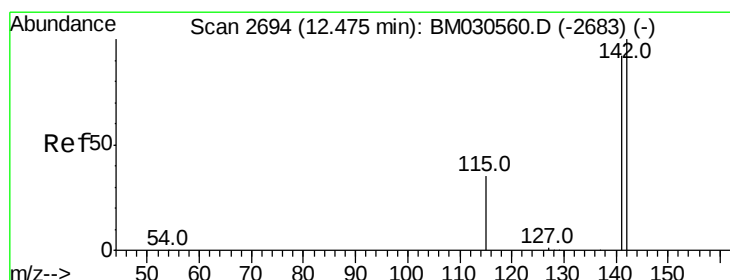
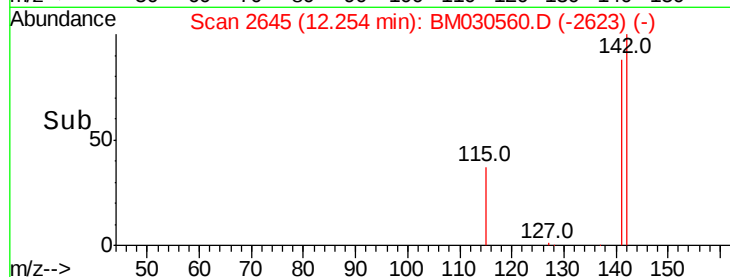
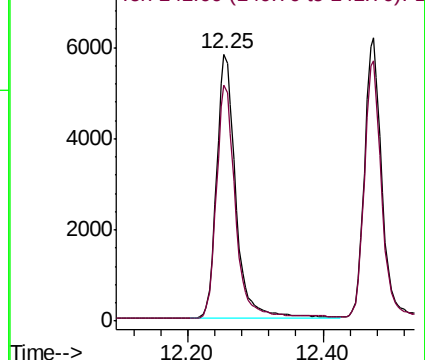
142 100

141 89.1 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: 0.416 ng/ul

RT: 12.47 min Scan# 2694

Delta R.T. 0.00 min

Lab File: BM030560.D

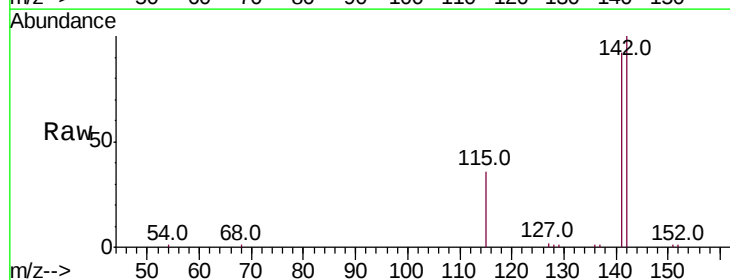
Acq: 23 Jun 2021 23:02

Tgt Ion:142 Resp: 10666

Ion Ratio Lower Upper

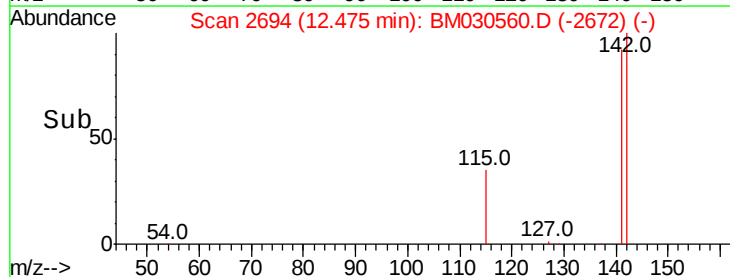
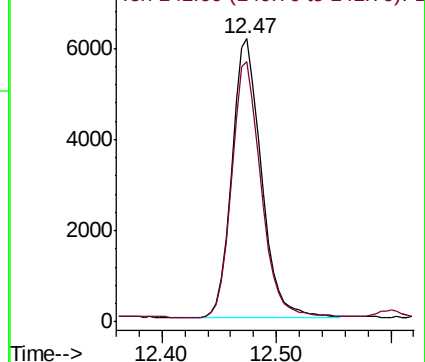
142 100

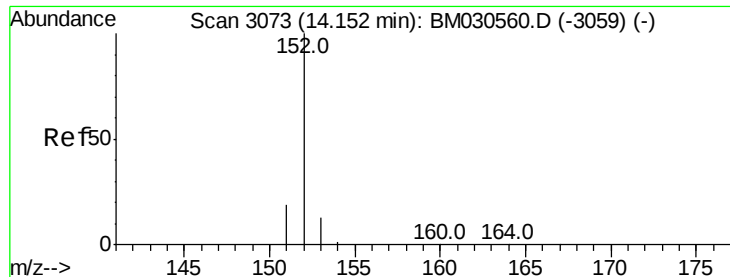
141 91.7 73.4 110.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.411 ng/ul

RT: 14.15 min Scan# 3073

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

Instrument :

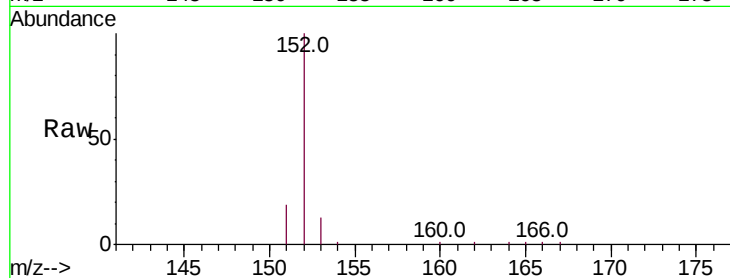
BNA_M

ClientSampleId :

SSTD0.4603

Tot Ion:152 Resp: 14610

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	13.4	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

12000

10000

8000

6000

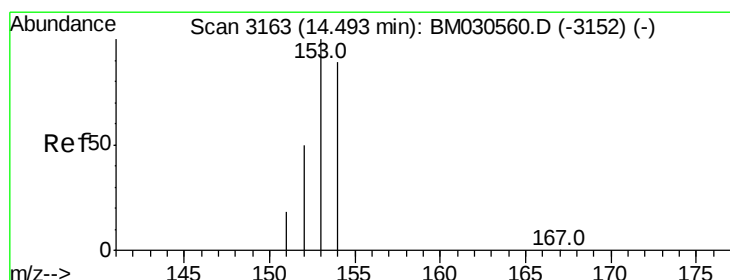
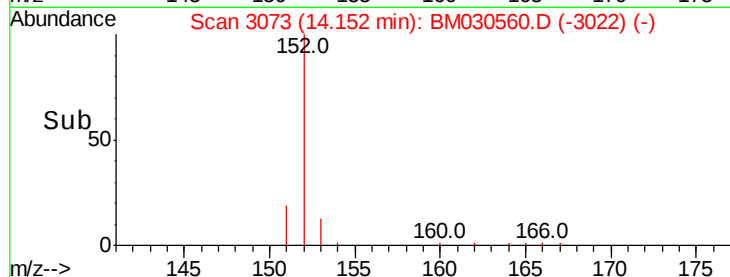
4000

2000

0

Time-->

14.00 14.20 14.40



#11

Acenaphthene

Concen: 0.396 ng/ul

RT: 14.49 min Scan# 3163

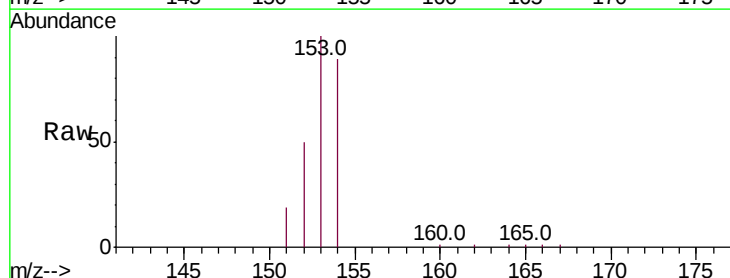
Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

Tgt Ion:153 Resp: 11999

Ion	Ratio	Lower	Upper
153	100		
152	50.2	40.2	60.2
154	89.0	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

10000

8000

6000

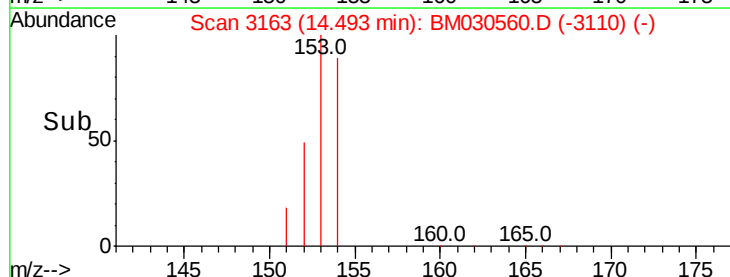
4000

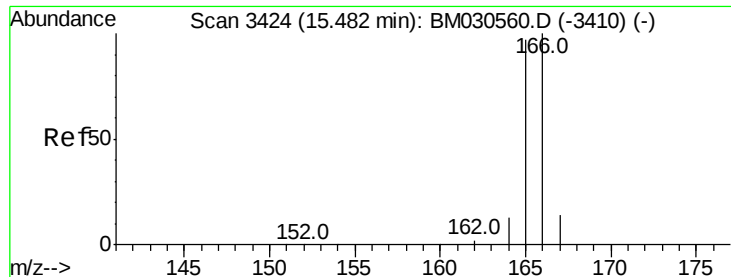
2000

0

Time-->

14.40 14.50 14.60 14.70





#12

Fluorene

Concen: 0.388 ng/ul

RT: 15.48 min Scan# 3424

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.4603

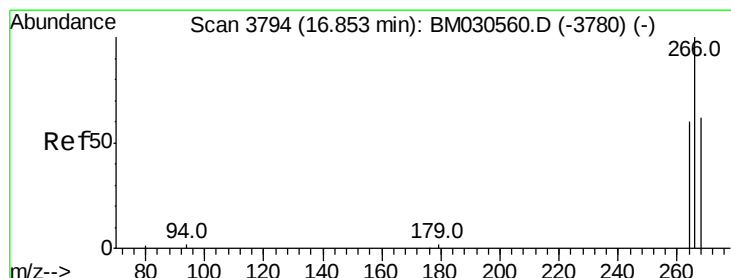
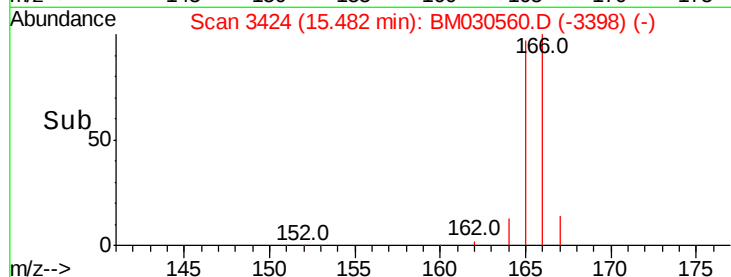
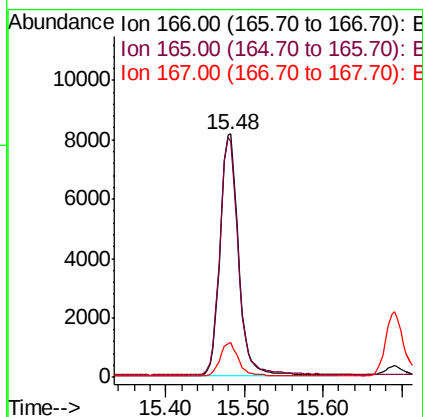
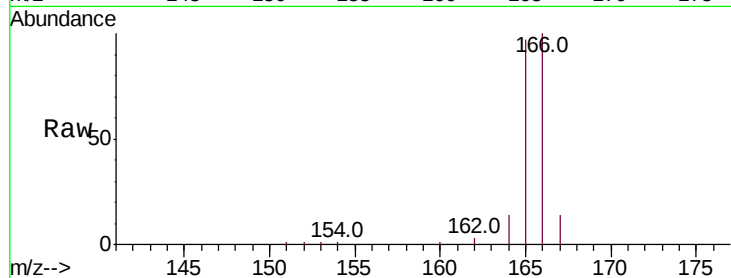
Tot Ion:166 Resp: 13357

Ion Ratio Lower Upper

166 100

165 97.1 77.7 116.5

167 14.1 11.3 16.9



#14

Pentachlorophenol

Concen: 0.435 ng/ul

RT: 16.85 min Scan# 3794

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

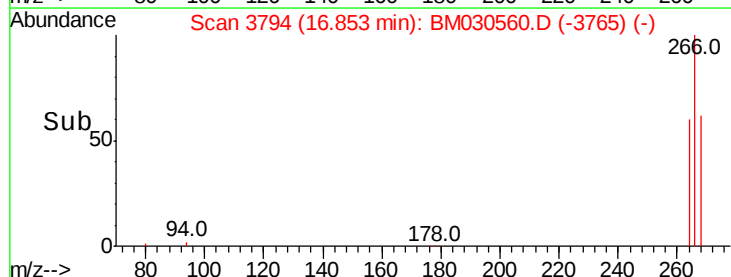
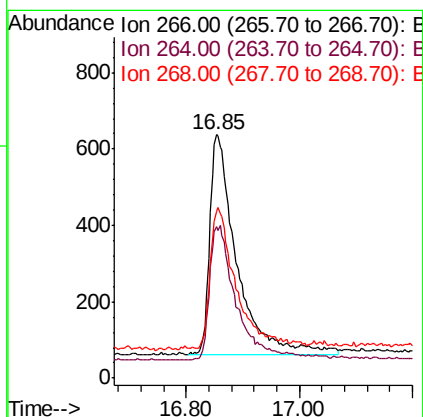
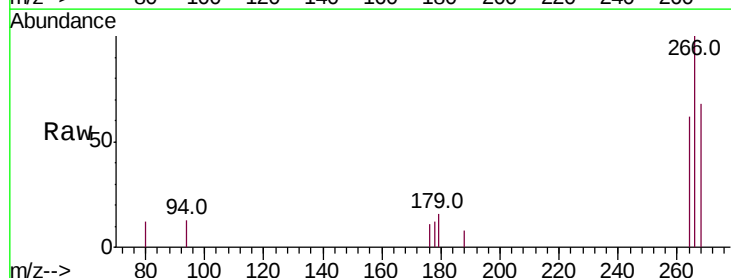
Tgt Ion:266 Resp: 1953

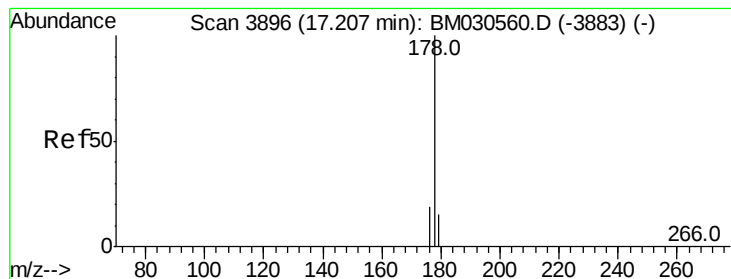
Ion Ratio Lower Upper

266 100

264 59.5 47.7 71.5

268 59.3 47.5 71.3





#15

Phenanthrene

Concen: 0.406 ng/ul

RT: 17.21 min Scan# 3896

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

Instrument :

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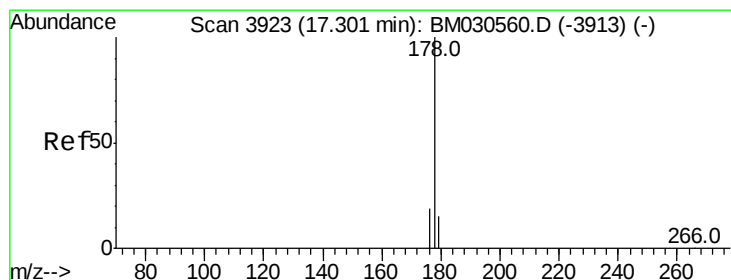
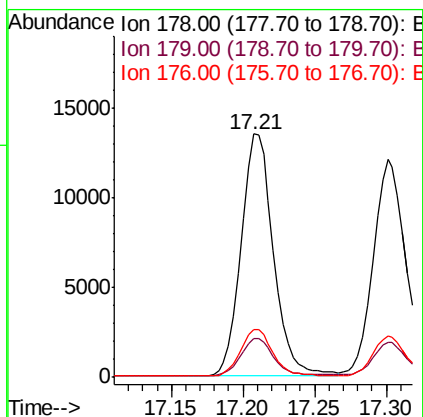
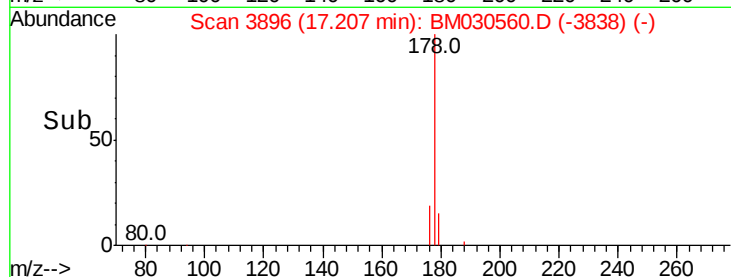
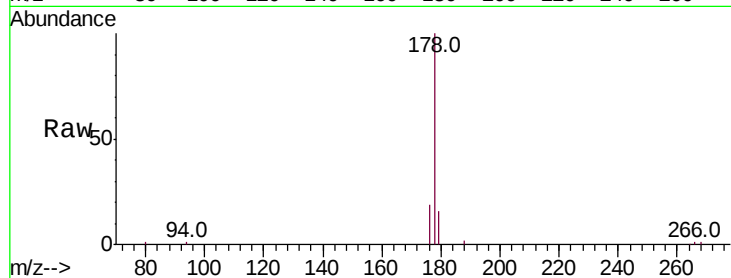
Tot Ion:178 Resp: 21157

Ion Ratio Lower Upper

178 100

179 15.8 12.6 19.0

176 19.4 15.5 23.3



#16

Anthracene

Concen: 0.449 ng/ul

RT: 17.30 min Scan# 3923

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

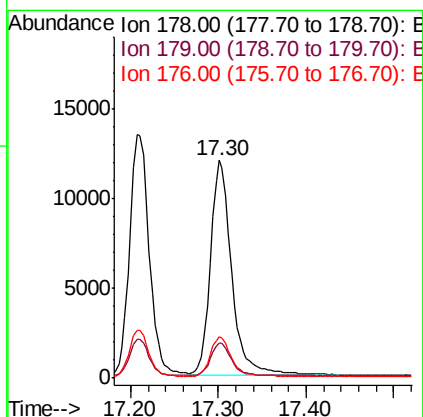
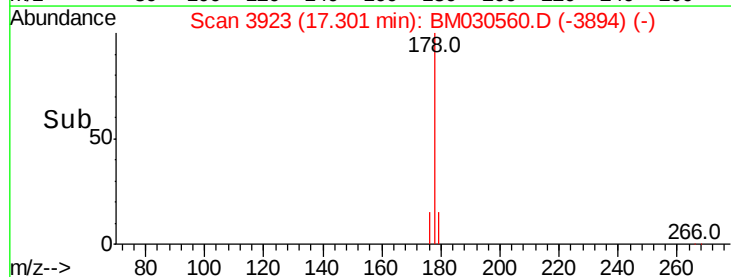
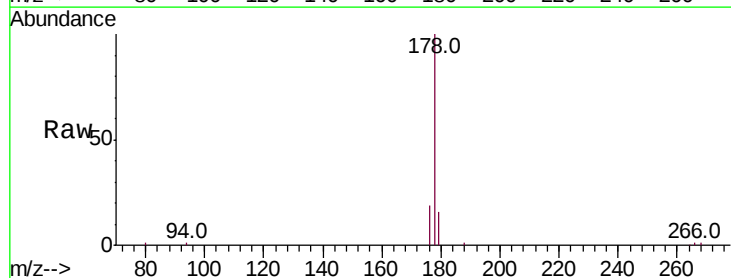
Tgt Ion:178 Resp: 19983

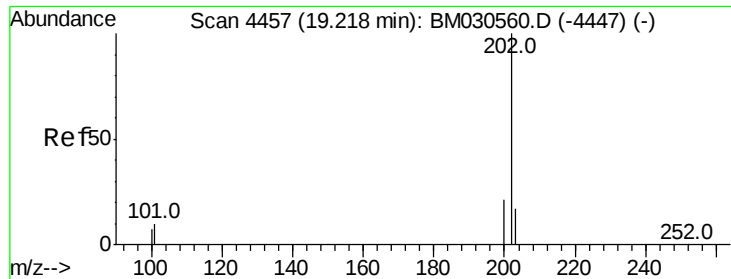
Ion Ratio Lower Upper

178 100

179 15.9 12.7 19.1

176 19.0 15.2 22.8





#19

Fluoranthene

Concen: 0.305 ng/ul

RT: 19.22 min Scan# 4457

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

Instrument :

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SSTD0.4603

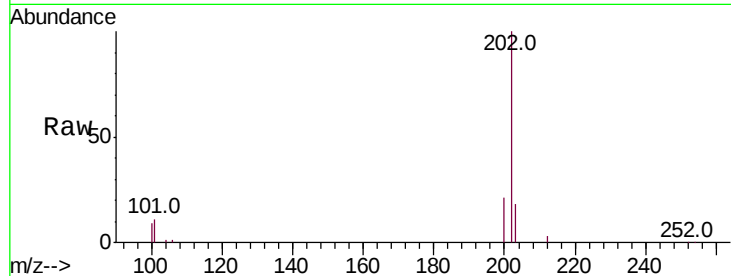
Tot Ion:202 Resp: 26737

Ion Ratio Lower Upper

202 100

101 11.0 8.8 13.2

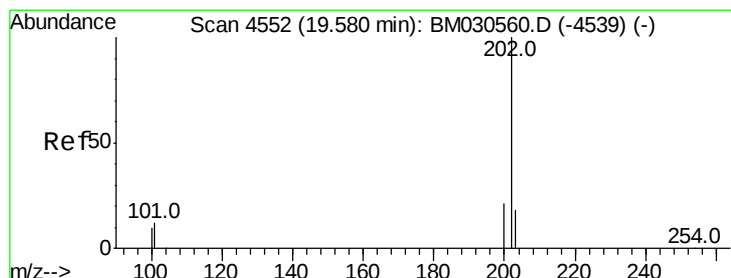
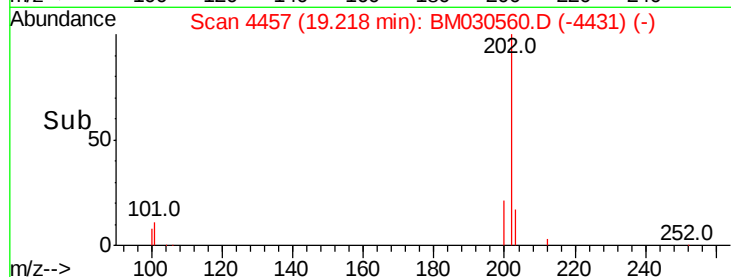
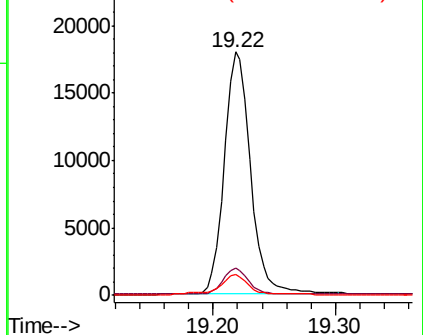
100 8.6 6.9 10.3



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: 0.315 ng/ul

RT: 19.58 min Scan# 4552

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

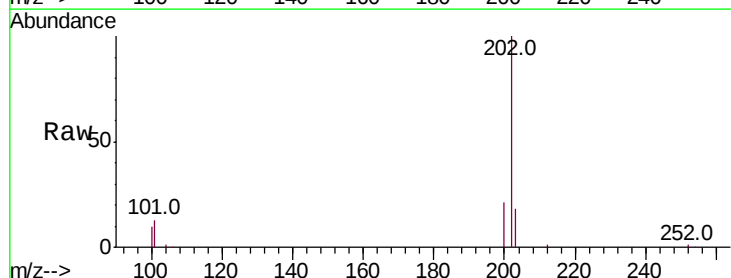
Tgt Ion:202 Resp: 28097

Ion Ratio Lower Upper

202 100

101 12.6 10.1 15.1

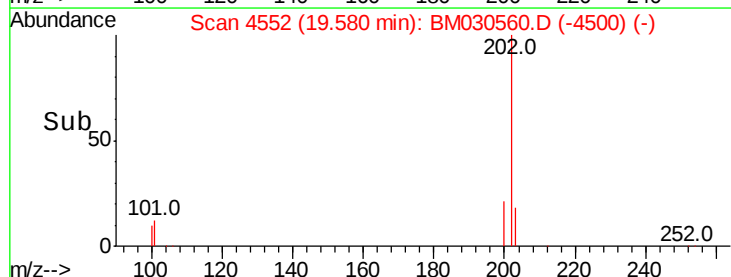
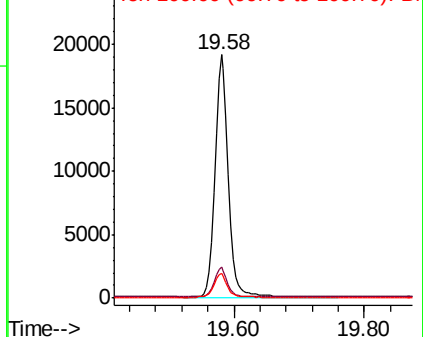
100 10.2 8.2 12.2

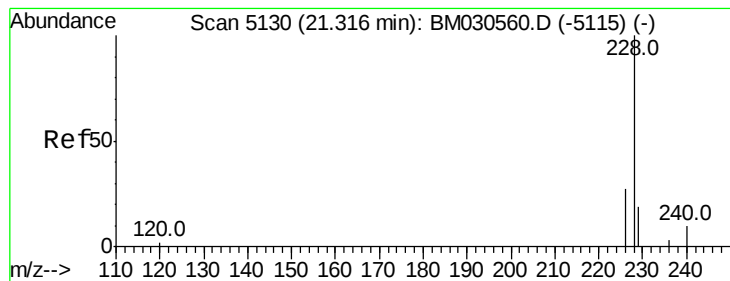


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.368 ng/ul

RT: 21.32 min Scan# 5130

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

Instrument :

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SSTD0.4603

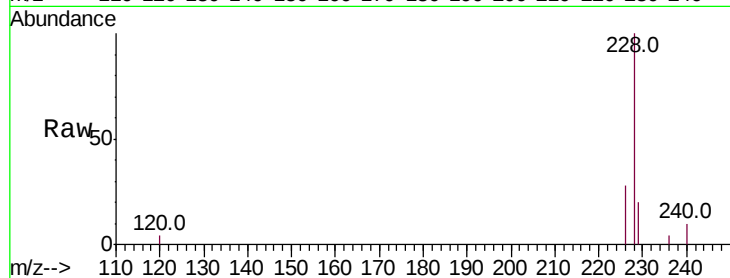
Tot Ion:228 Resp: 25405

Ion Ratio Lower Upper

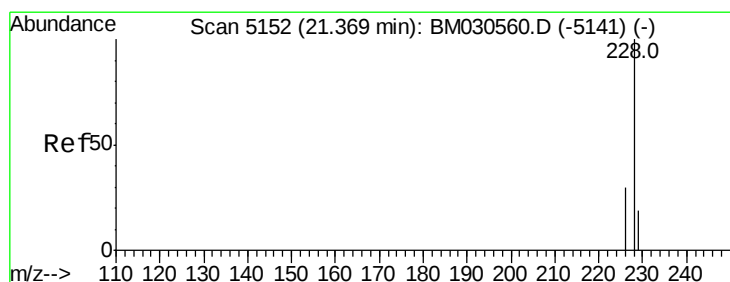
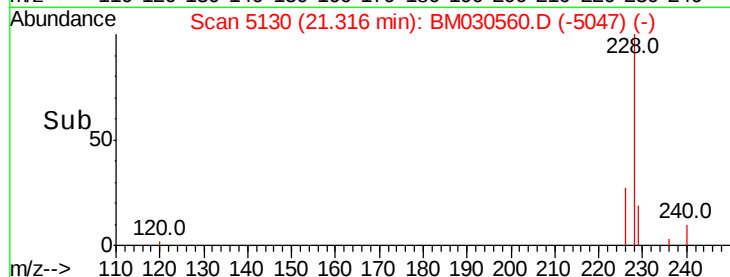
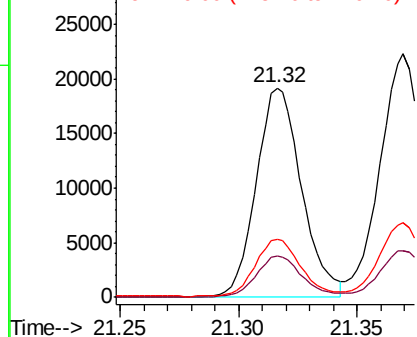
228 100

229 19.7 15.8 23.6

226 27.8 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: 0.409 ng/ul

RT: 21.37 min Scan# 5152

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

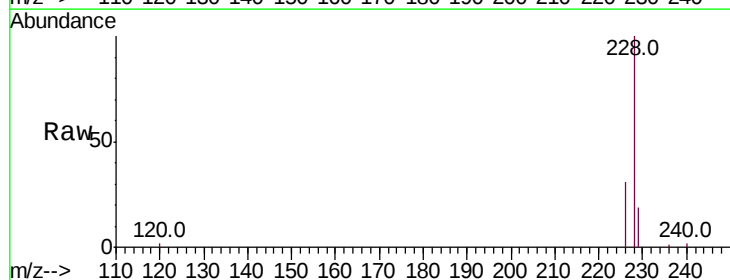
Tgt Ion:228 Resp: 30441

Ion Ratio Lower Upper

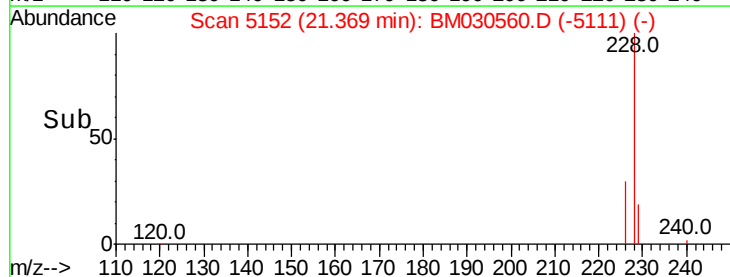
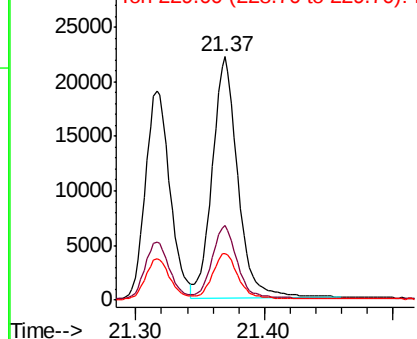
228 100

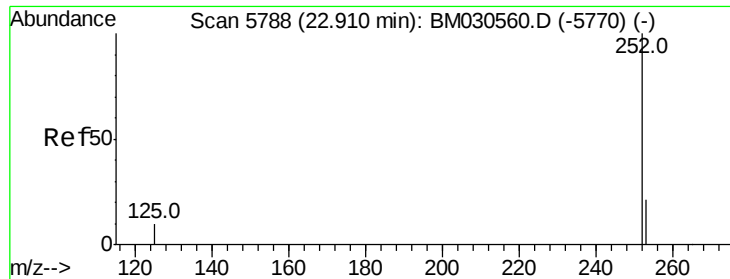
226 30.5 24.4 36.6

229 19.2 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: 0.359 ng/u1

RT: 22.91 min Scan# 5788

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.4603

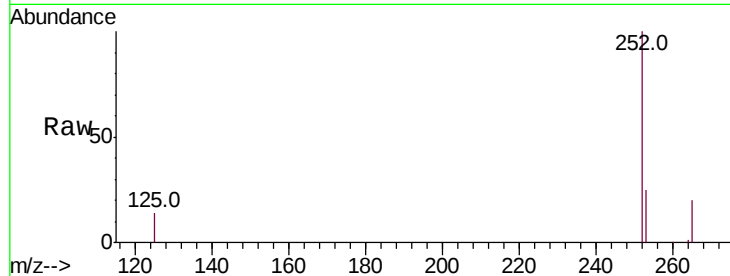
Tot Ion:252 Resp: 29576

Ion Ratio Lower Upper

252 100

253 25.1 0.0 50.2

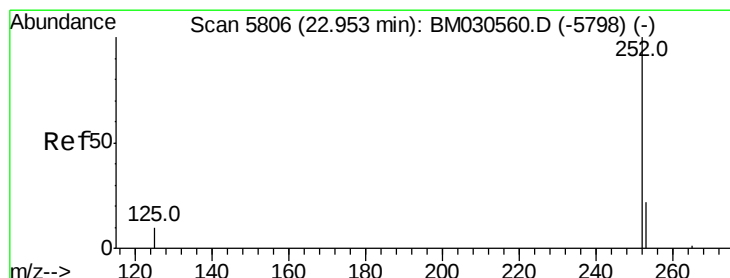
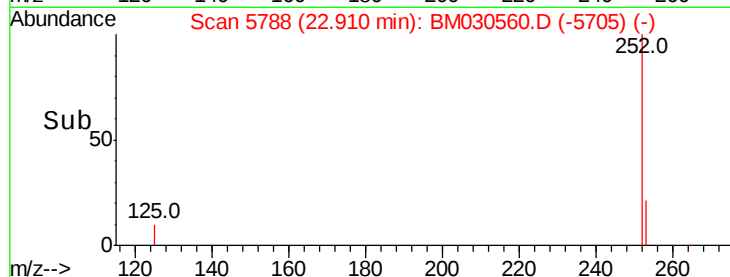
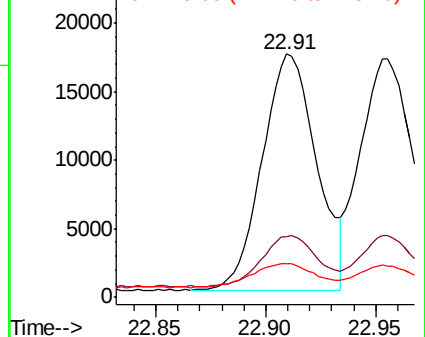
125 13.9 0.0 27.8



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: 0.392 ng/u1

RT: 22.95 min Scan# 5806

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

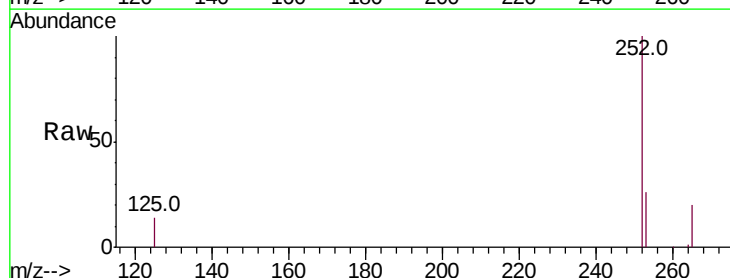
Tgt Ion:252 Resp: 30617

Ion Ratio Lower Upper

252 100

253 25.8 20.6 31.0

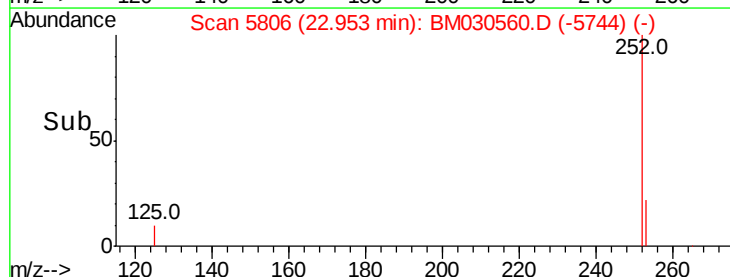
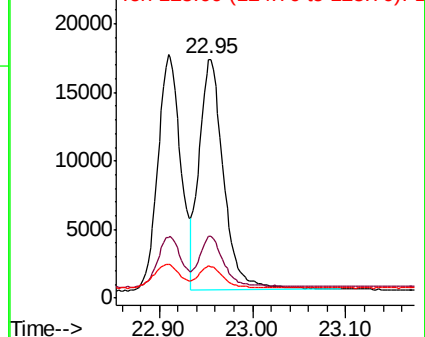
125 13.7 11.0 16.4

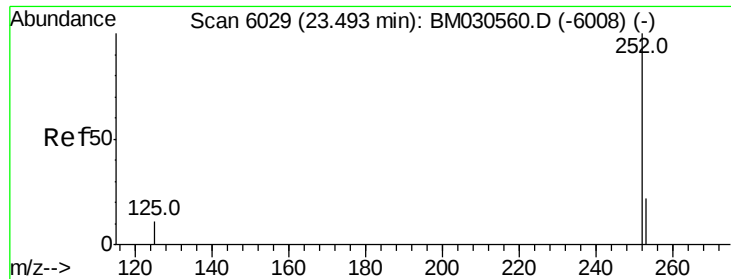


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.393 ng/u1

RT: 23.49 min Scan# 6029

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.4603

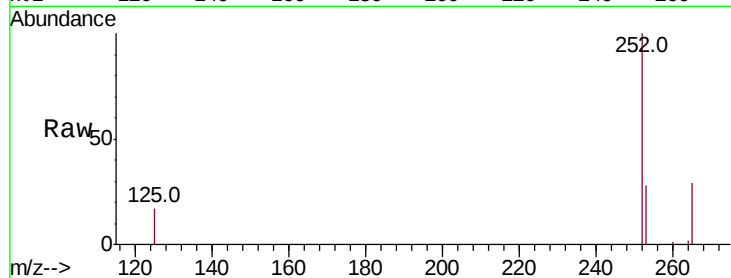
Tot Ion:252 Resp: 26189

Ion Ratio Lower Upper

252 100

253 27.5 22.0 33.0

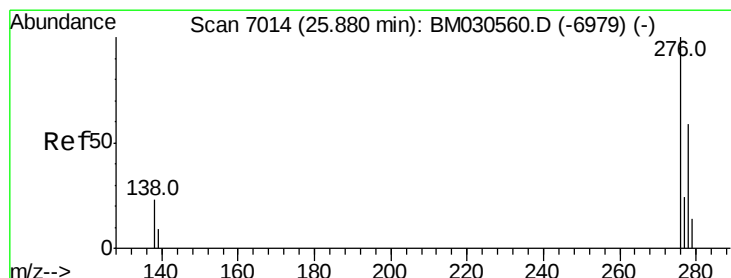
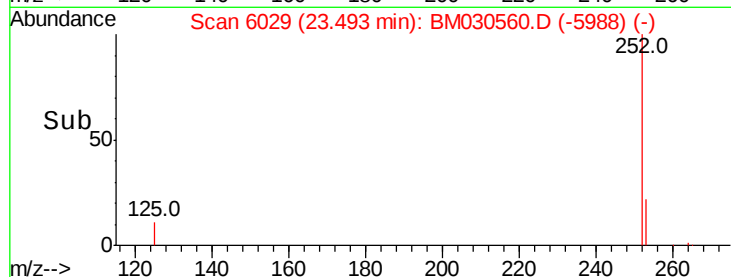
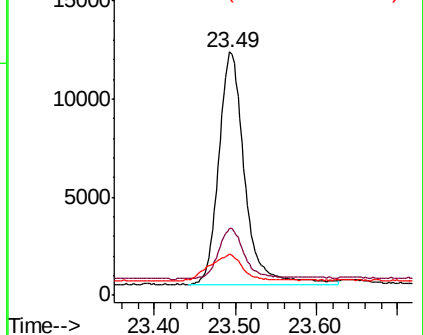
125 16.8 13.4 20.2



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: 0.382 ng/u1

RT: 25.88 min Scan# 7014

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

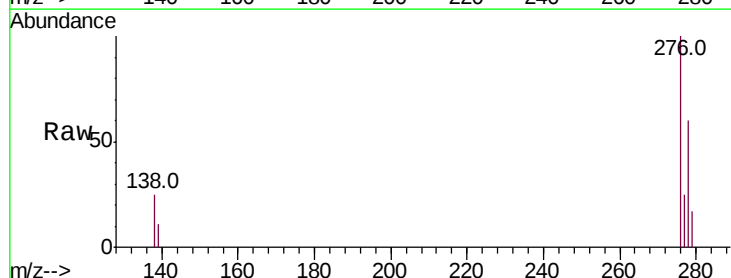
Tgt Ion:276 Resp: 33666

Ion Ratio Lower Upper

276 100

138 23.9 19.1 28.7

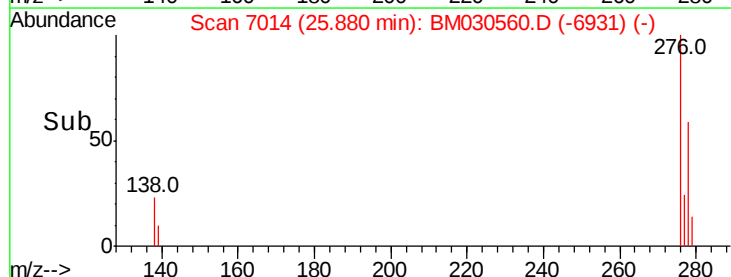
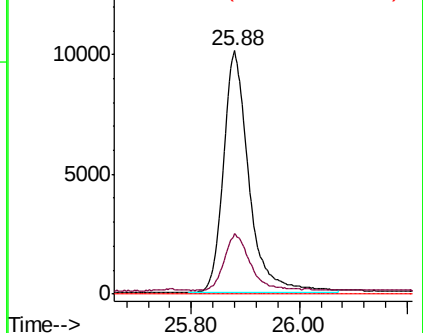
227 0.0 0.0 0.0

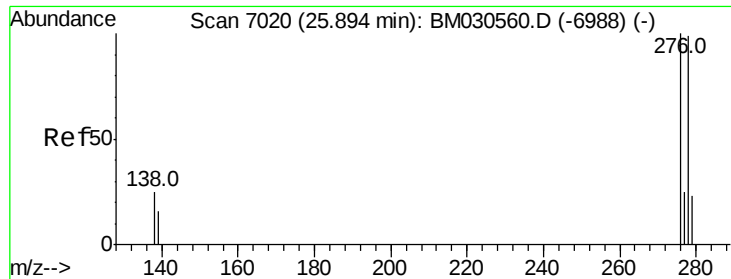


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.380 ng/u1

RT: 25.89 min Scan# 7020

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.4603

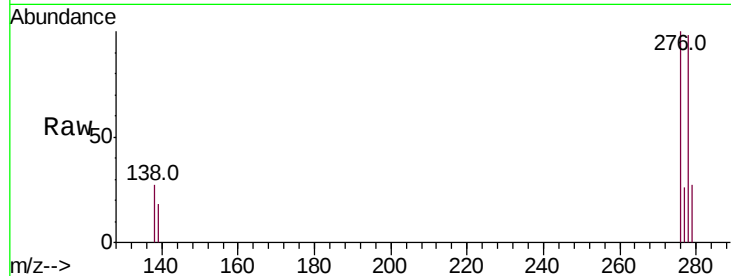
Tot Ion:278 Resp: 27107

Ion Ratio Lower Upper

278 100

139 17.8 14.2 21.4

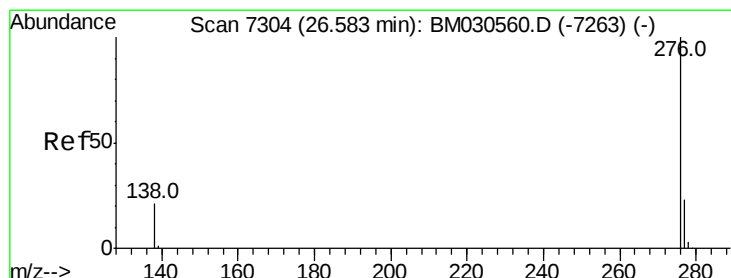
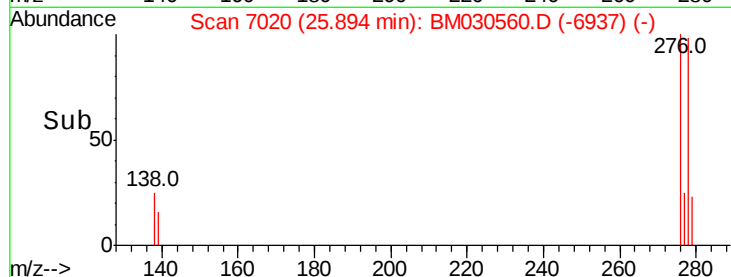
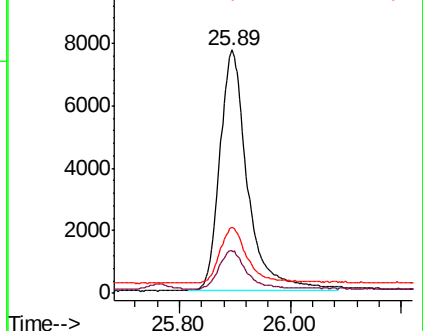
279 27.0 21.6 32.4



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: 0.379 ng/u1

RT: 26.58 min Scan# 7304

Delta R.T. 0.00 min

Lab File: BM030560.D

Acq: 23 Jun 2021 23:02

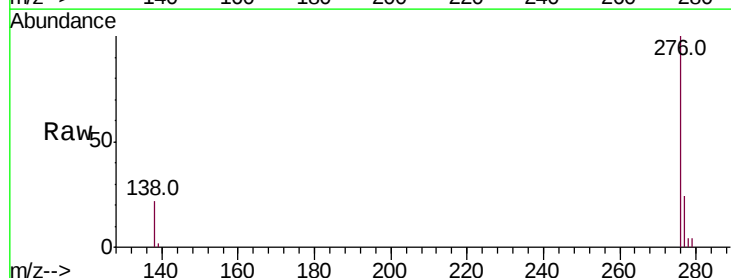
Tgt Ion:276 Resp: 29179

Ion Ratio Lower Upper

276 100

138 22.5 18.0 27.0

277 24.4 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

