

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032321\
 Data File : BM029187.D
 Acq On : 22 Mar 2021 20:53
 Operator : CG/JU
 Sample : SST00.403
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

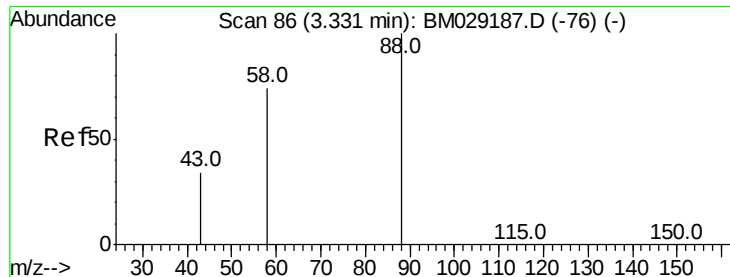
Instrument :
 BNA_M
 ClientSampleId :
 SST00.4003

Quant Time: Mar 23 02:12:30 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 23 02:06:52 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	2130	0.40	ng/ul	0.00
4) Naphthalene-d8	10.55	136	6633	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.39	164	3365	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.13	188	7134	0.40	ng/ul	0.00
17) Chrysene-d12	21.29	240	7163	0.40	ng/ul	0.00
23) Perylene-d12	23.52	264	7252	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	697	0.28	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.14	152	3876	0.38	ng/ul	0.00
18) Fluoranthene-d10	19.15	212	7217	0.35	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.33	88	797	0.321	ng/ul	100
5) Naphthalene	10.60	128	7791	0.424	ng/ul	100
7) 2-Methylnaphthalene	12.21	142	5074	0.404	ng/ul	100
8) 1-Methylnaphthalene	12.43	142	4870	0.406	ng/ul	100
10) Acenaphthylene	14.11	152	5821	0.390	ng/ul	100
11) Acenaphthene	14.45	153	5031	0.429	ng/ul	100
12) Fluorene	15.44	166	5575	0.417	ng/ul	100
14) Pentachlorophenol	16.77	266	754	0.386	ng/ul	100
15) Phenanthrene	17.17	178	8912	0.408	ng/ul	100
16) Anthracene	17.26	178	7627	0.379	ng/ul	100
19) Fluoranthene	19.18	202	9489	0.355	ng/ul	100
20) Pyrene	19.54	202	9523	0.348	ng/ul	100
21) Benzo(a)anthracene	21.28	228	8257	0.324	ng/ul	100
22) Chrysene	21.33	228	9524	0.362	ng/ul	100
24) Benzo(b)fluoranthene	22.85	252	10164	0.355	ng/ul	100
25) Benzo(k)fluoranthene	22.90	252	10784	0.383	ng/ul	100
26) Benzo(a)pyrene	23.43	252	8403	0.341	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	25.78	276	13289	0.409	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.80	278	11102	0.408	ng/ul	100
29) Benzo(g,h,i)perylene	26.47	276	10552	0.385	ng/ul	100

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

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#2

1,4-Dioxane

Concen: 0.321 ng/ul

RT: 3.33 min Scan# 86

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

Instrument :

BNA_M

ClientSampleId :

SSTD0.4003

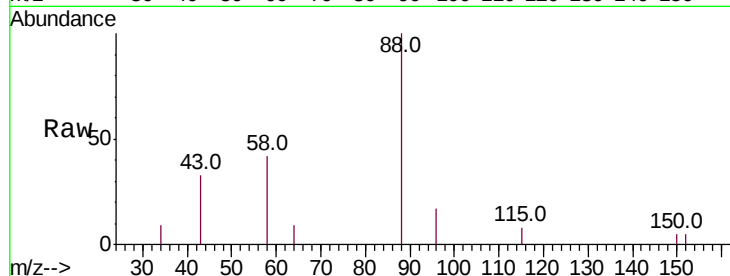
Tot Ion: 88 Resp: 797

Ion Ratio Lower Upper

88 100

43 32.6 26.1 39.1

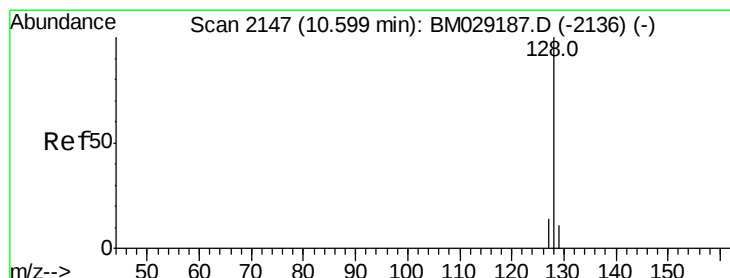
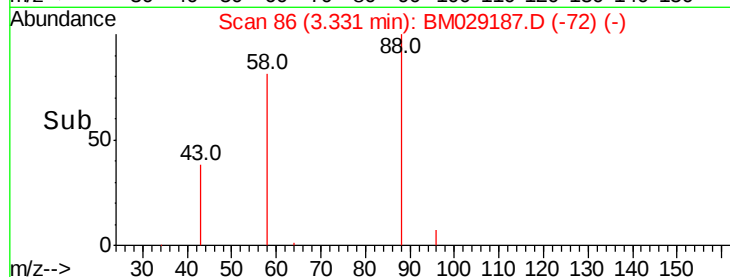
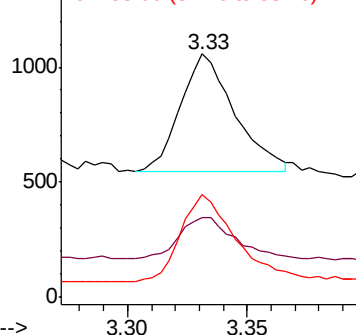
58 42.2 33.8 50.6



Abundance Ion 88.00 (87.70 to 88.70): BM029187.D (-76) (-)

Ion 43.00 (42.70 to 43.70): BM029187.D (-76) (-)

Ion 58.00 (57.70 to 58.70): BM029187.D (-76) (-)



#5

Naphthalene

Concen: 0.424 ng/ul

RT: 10.60 min Scan# 2147

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

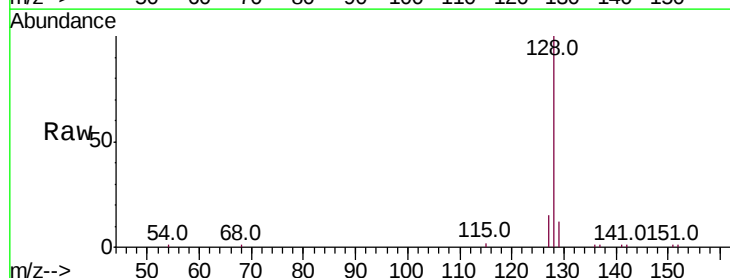
Tgt Ion: 128 Resp: 7791

Ion Ratio Lower Upper

128 100

129 11.9 9.5 14.3

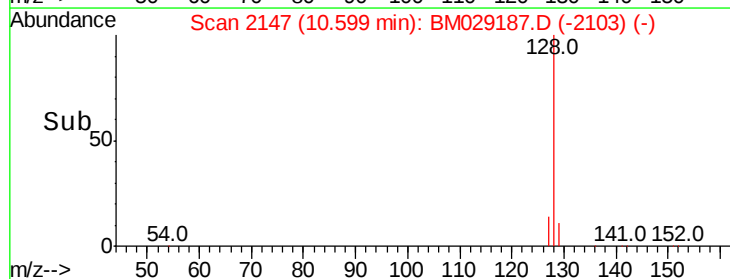
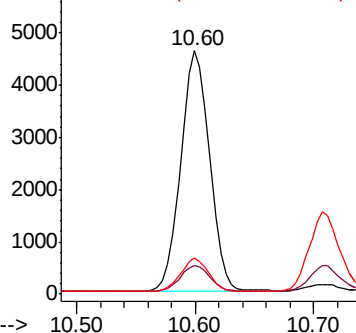
127 14.8 11.8 17.8

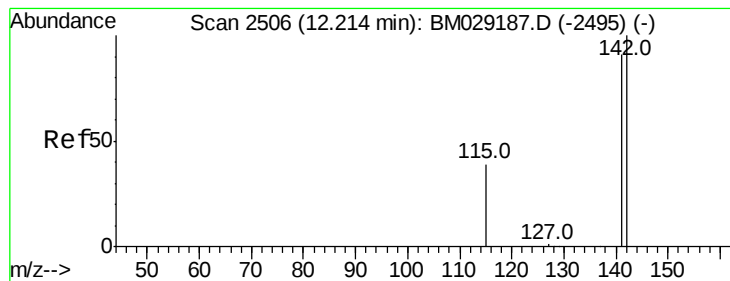


Abundance Ion 128.00 (127.70 to 128.70): BM029187.D (-2136) (-)

Ion 129.00 (128.70 to 129.70): BM029187.D (-2136) (-)

Ion 127.00 (126.70 to 127.70): BM029187.D (-2136) (-)





#7

2-Methylnaphthalene

Concen: 0.404 ng/ul

RT: 12.21 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

Instrument :

BNA_M

ClientSampleId :

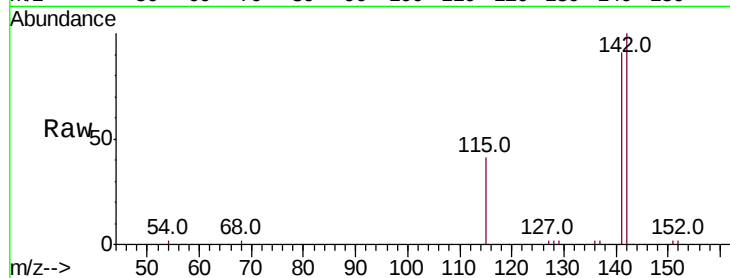
SSTD0.4003

Tot Ion:142 Resp: 5074

Ion Ratio Lower Upper

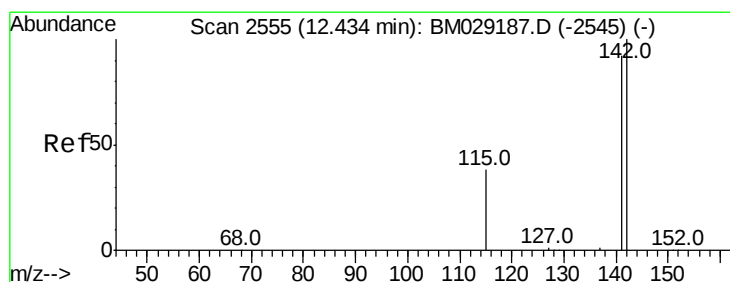
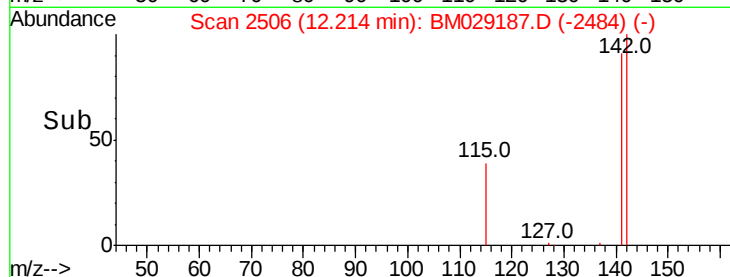
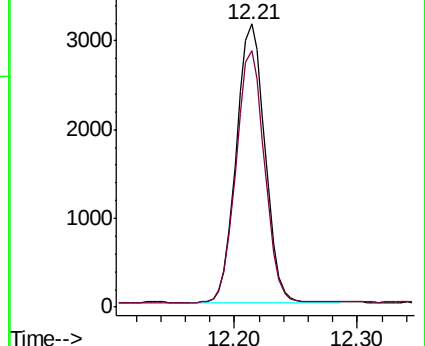
142 100

141 90.0 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.406 ng/ul

RT: 12.43 min Scan# 2555

Delta R.T. 0.00 min

Lab File: BM029187.D

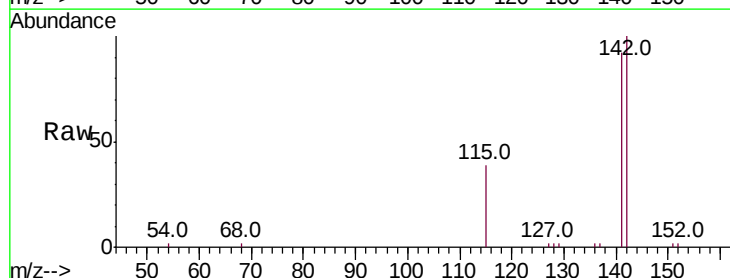
Acq: 22 Mar 2021 20:53

Tgt Ion:142 Resp: 4870

Ion Ratio Lower Upper

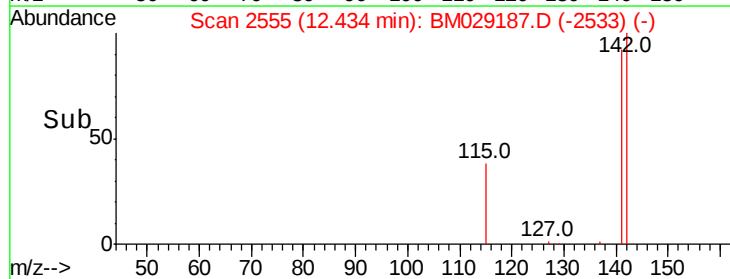
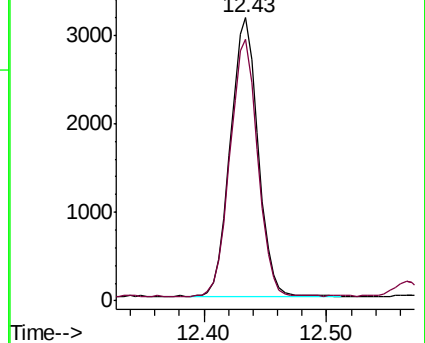
142 100

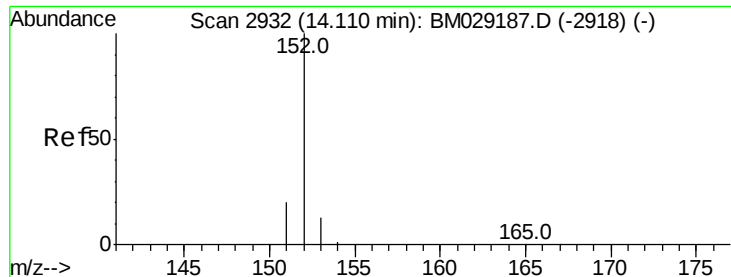
141 92.7 74.0 111.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.390 ng/ul

RT: 14.11 min Scan# 2932

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

Instrument :

BNA_M

ClientSampleId :

SSTD0.4003

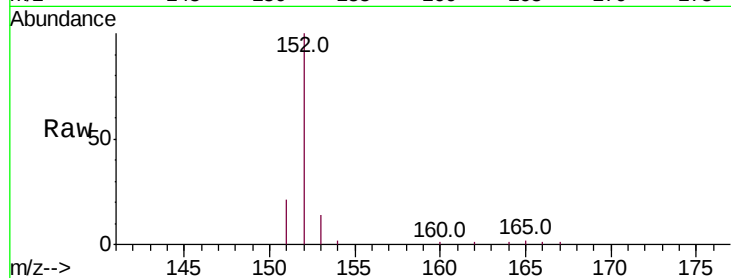
Tot Ion:152 Resp: 5821

Ion Ratio Lower Upper

152 100

151 21.5 17.2 25.8

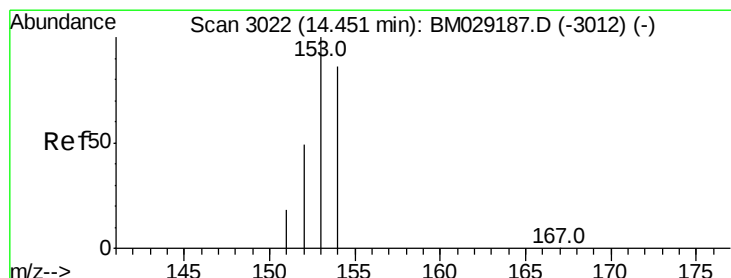
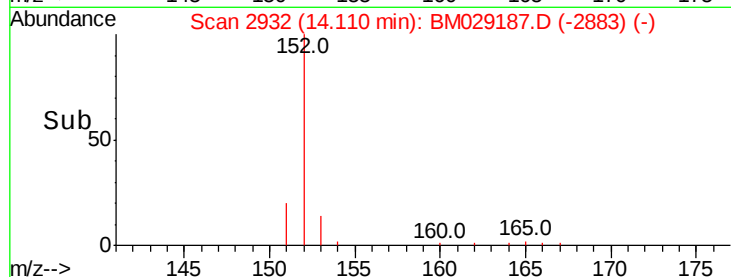
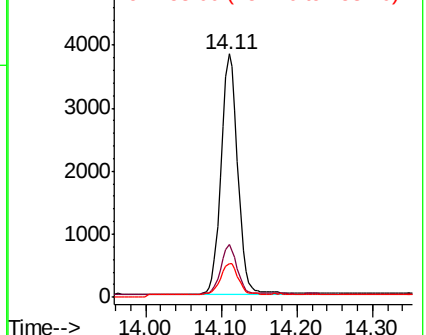
153 13.9 11.1 16.7



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: 0.429 ng/ul

RT: 14.45 min Scan# 3022

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

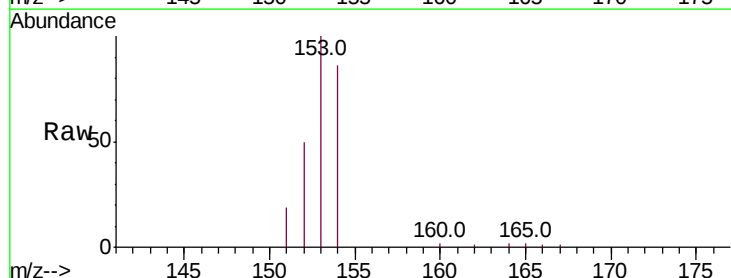
Tgt Ion:153 Resp: 5031

Ion Ratio Lower Upper

153 100

152 50.1 40.1 60.1

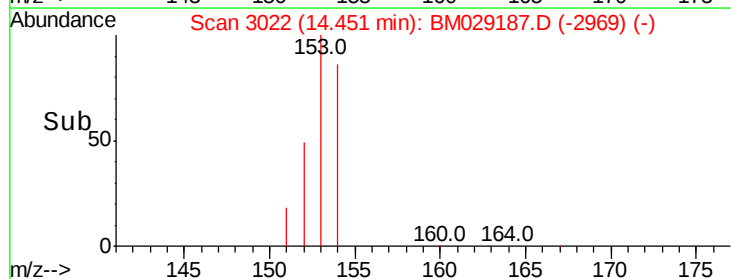
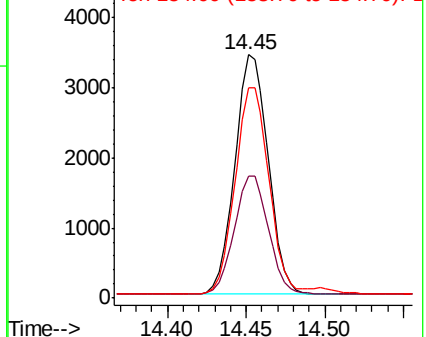
154 86.2 69.0 103.4

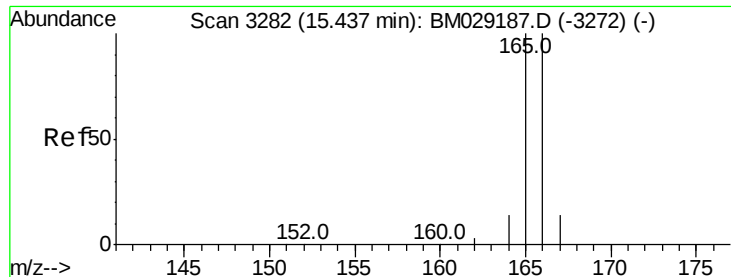


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.417 ng/ul

RT: 15.44 min Scan# 3282

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

Instrument :

BNA_M

ClientSampleId :

SSTD0.4003

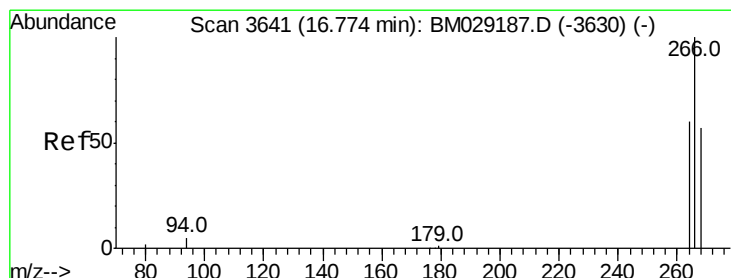
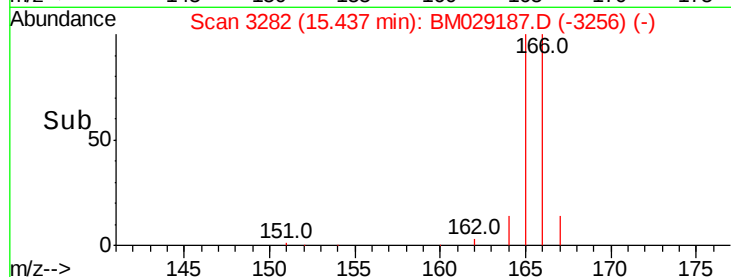
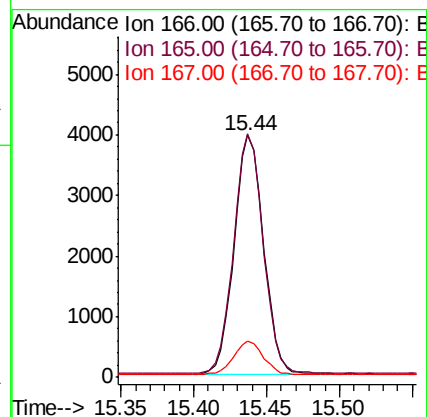
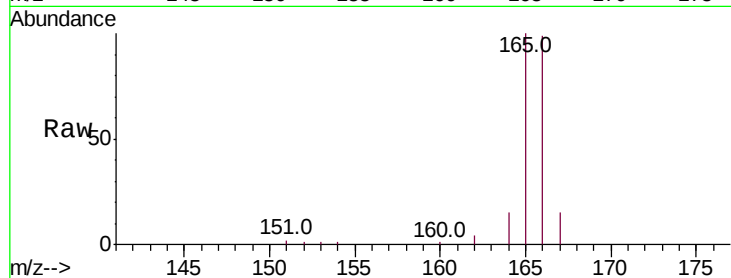
Tot Ion:166 Resp: 5575

Ion Ratio Lower Upper

166 100

165 100.7 80.6 120.8

167 15.0 12.0 18.0



#14

Pentachlorophenol

Concen: 0.386 ng/ul

RT: 16.77 min Scan# 3641

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

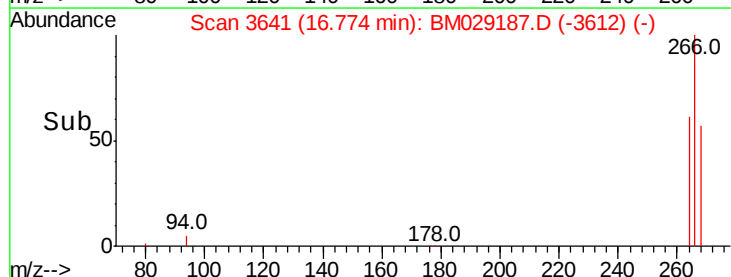
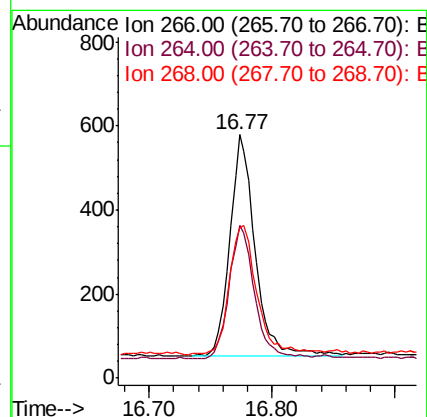
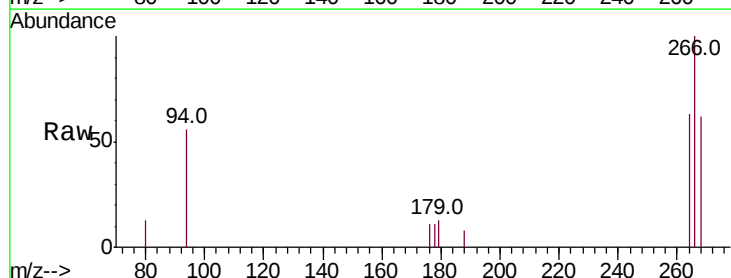
Tgt Ion:266 Resp: 754

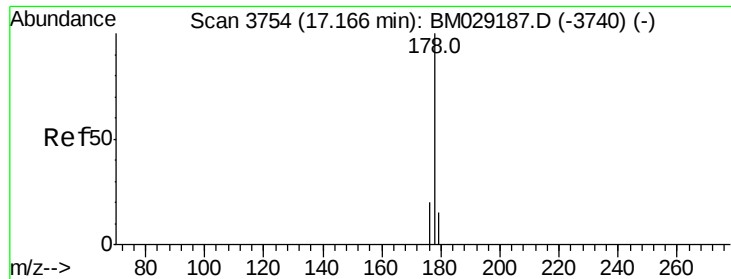
Ion Ratio Lower Upper

266 100

264 60.2 48.1 72.1

268 64.9 51.8 77.6





#15

Phenanthrene

Concen: 0.408 ng/ul

RT: 17.17 min Scan# 3754

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

Instrument :

BNA_M

ClientSampleId :

SSTD0.4003

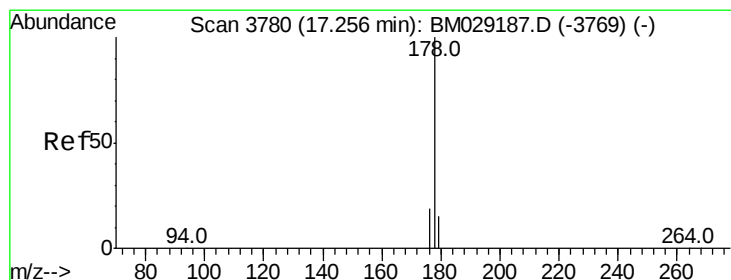
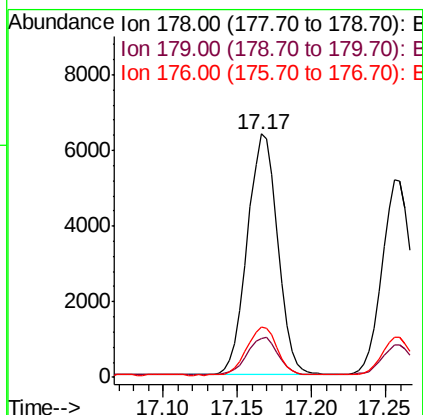
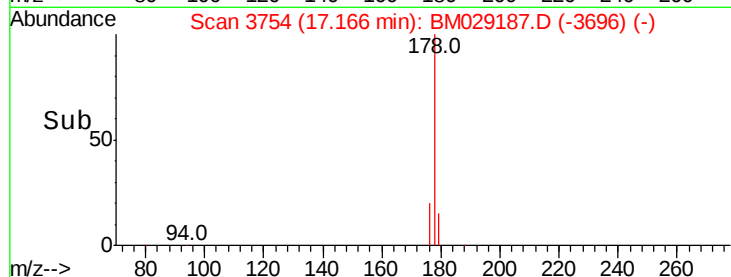
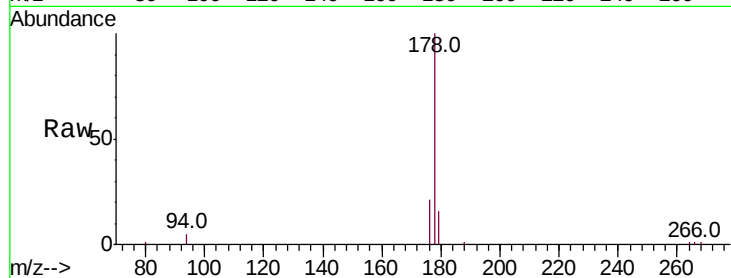
Tot Ion:178 Resp: 8912

Ion Ratio Lower Upper

178 100

179 16.1 12.9 19.3

176 20.6 16.5 24.7



#16

Anthracene

Concen: 0.379 ng/ul

RT: 17.26 min Scan# 3780

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

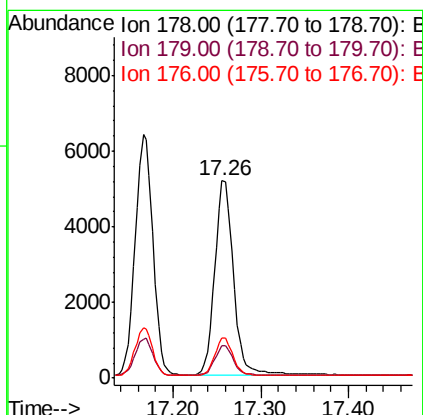
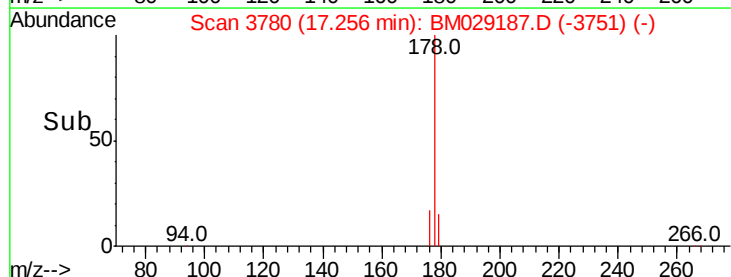
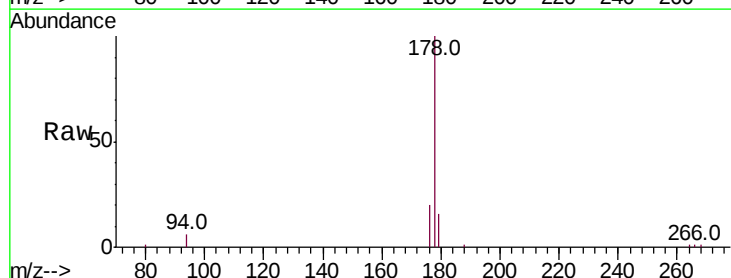
Tgt Ion:178 Resp: 7627

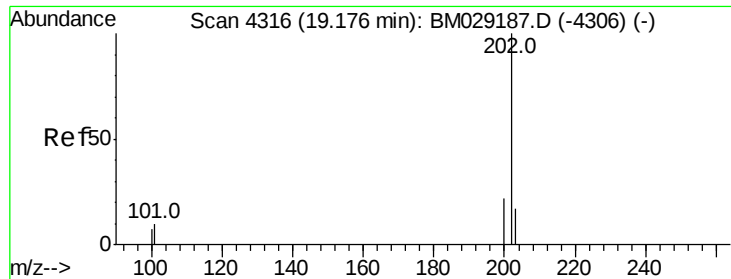
Ion Ratio Lower Upper

178 100

179 16.4 13.1 19.7

176 20.2 16.2 24.2





#19

Fluoranthene

Concen: 0.355 ng/ul

RT: 19.18 min Scan# 4316

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

Instrument :

BNA_M

ClientSampleId :

SSTD0.4003

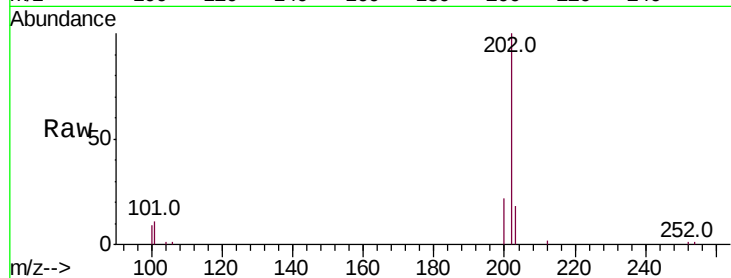
Tot Ion:202 Resp: 9489

Ion Ratio Lower Upper

202 100

101 10.9 8.7 13.1

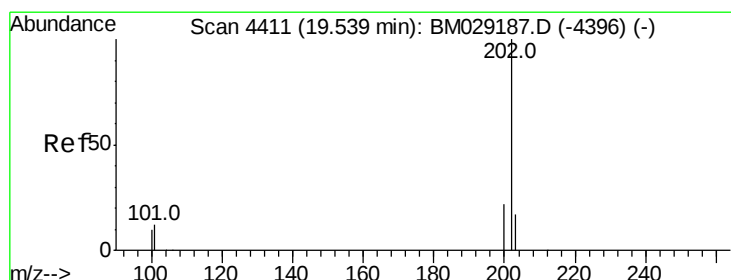
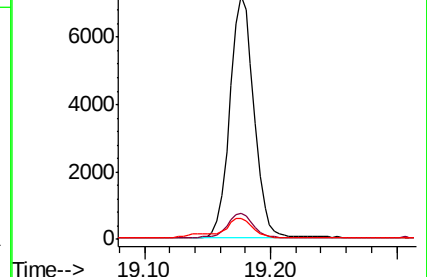
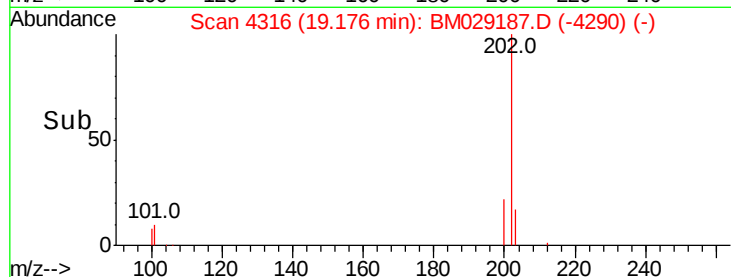
100 8.6 6.9 10.3



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: 0.348 ng/ul

RT: 19.54 min Scan# 4411

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

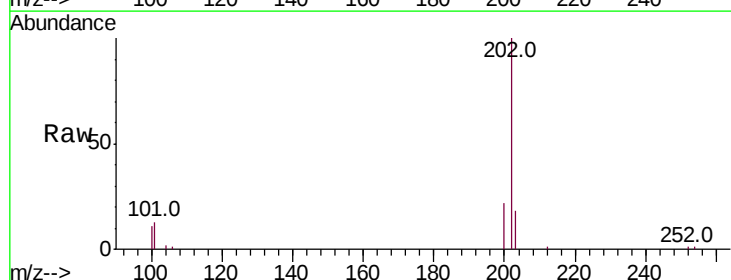
Tgt Ion:202 Resp: 9523

Ion Ratio Lower Upper

202 100

101 12.8 10.2 15.4

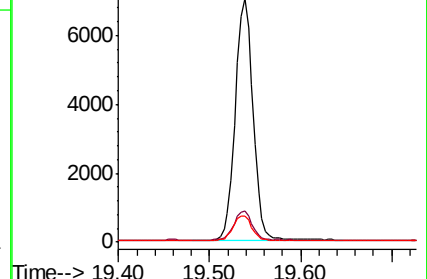
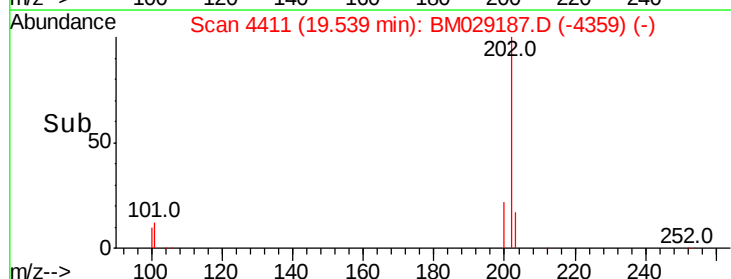
100 10.6 8.5 12.7

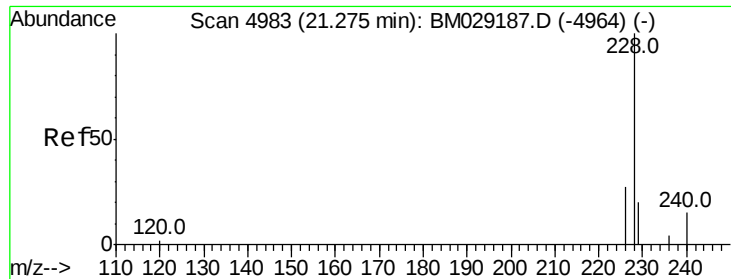


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.324 ng/ul

RT: 21.28 min Scan# 4983

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

Instrument :

BNA_M

ClientSampleId :

SSTD0.4003

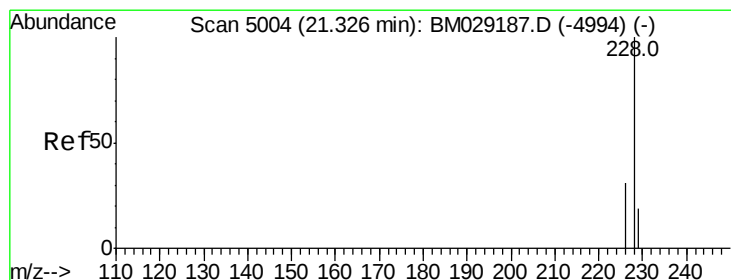
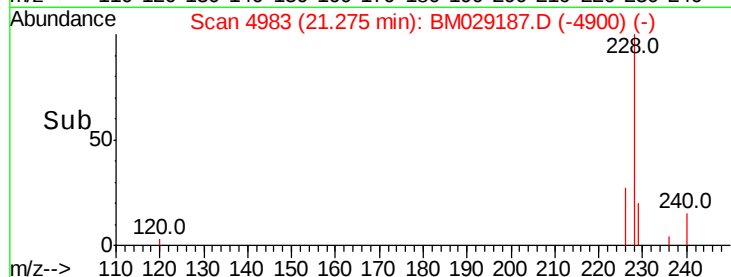
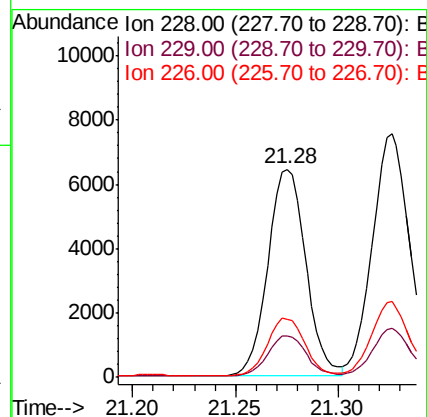
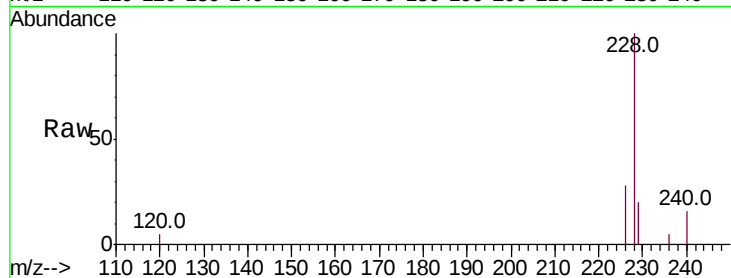
Tot Ion:228 Resp: 8257

Ion Ratio Lower Upper

228 100

229 20.2 16.2 24.2

226 27.7 22.2 33.2



#22

Chrysene

Concen: 0.362 ng/ul

RT: 21.33 min Scan# 5004

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

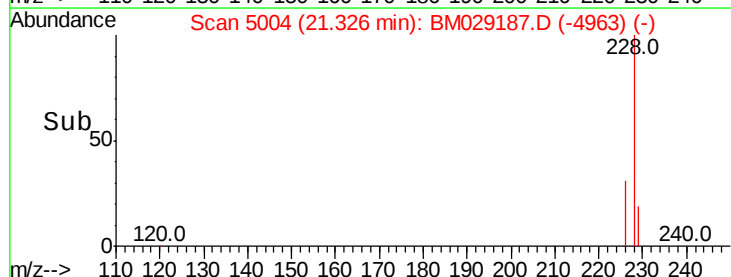
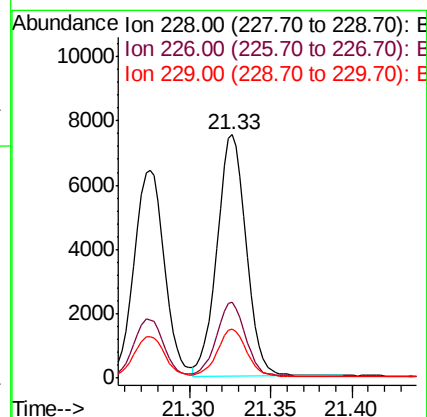
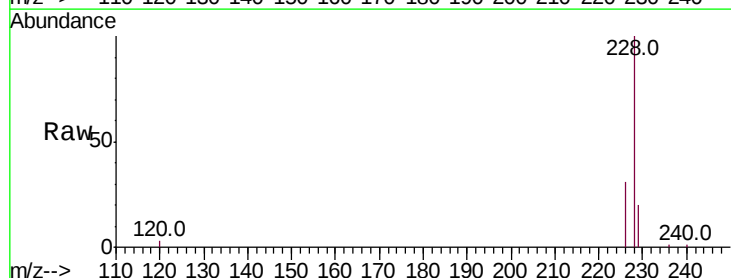
Tgt Ion:228 Resp: 9524

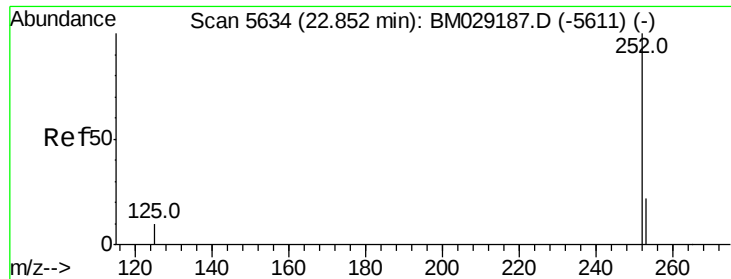
Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.4

229 20.0 16.0 24.0





#24

Benzo(b)fluoranthene

Concen: 0.355 ng/ul

RT: 22.85 min Scan# 5634

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

Instrument :

BNA_M

ClientSampleId :

SSTD0.4003

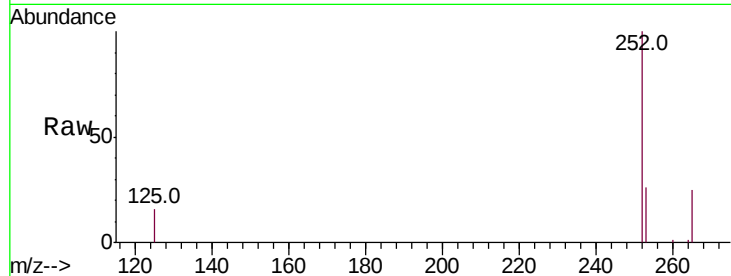
Tot Ion:252 Resp: 10164

Ion Ratio Lower Upper

252 100

253 26.2 0.0 52.4

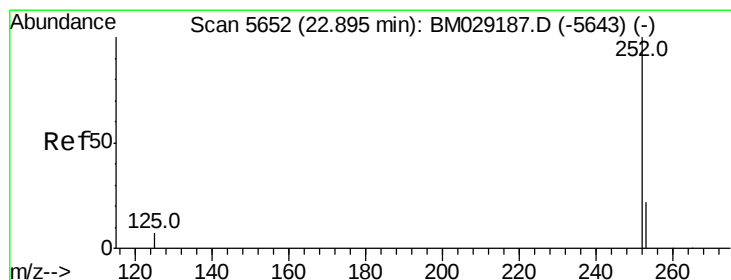
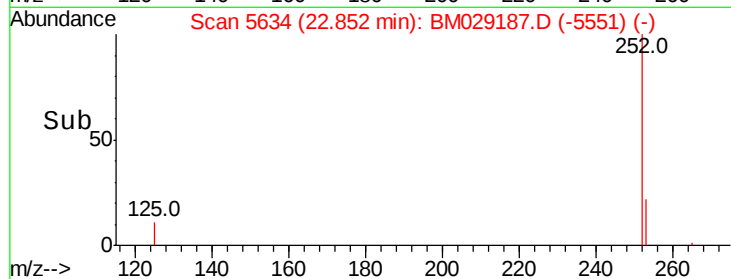
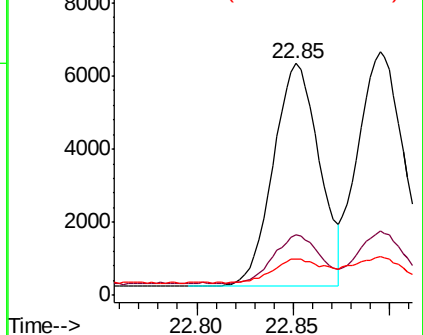
125 15.5 0.0 31.0



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



#25

Benzo(k)fluoranthene

Concen: 0.383 ng/ul

RT: 22.90 min Scan# 5652

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

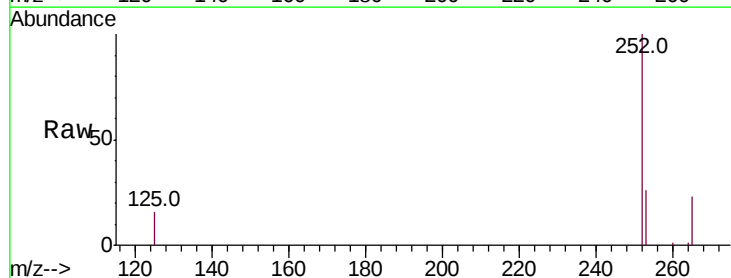
Tgt Ion:252 Resp: 10784

Ion Ratio Lower Upper

252 100

253 26.4 21.1 31.7

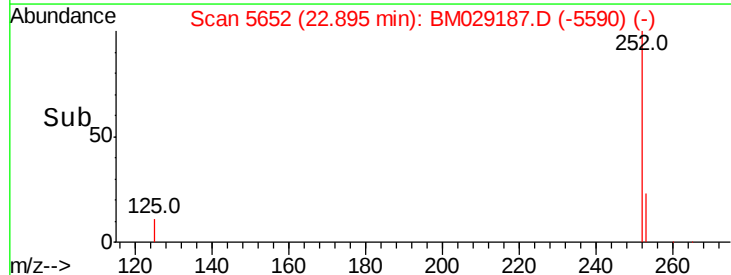
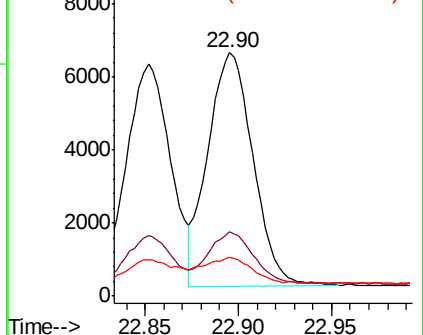
125 15.8 12.6 19.0

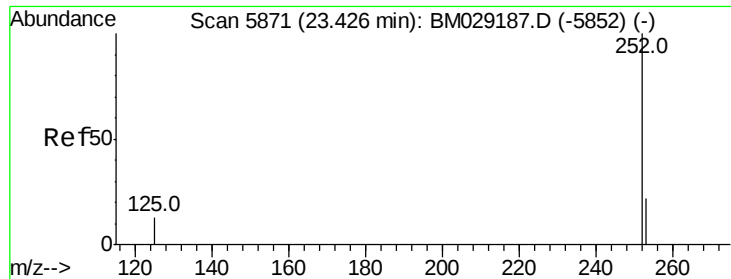


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.341 ng/ul

RT: 23.43 min Scan# 5871

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

Instrument :

BNA_M

ClientSampleId :

SSTD0.4003

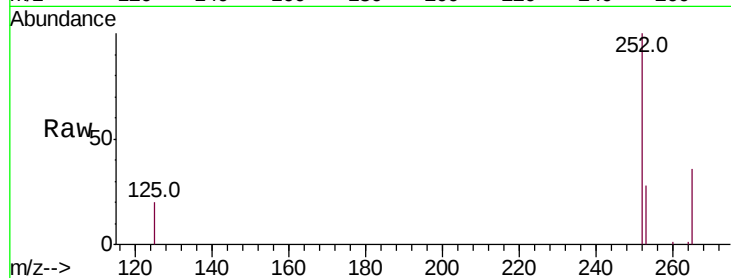
Tot Ion:252 Resp: 8403

Ion Ratio Lower Upper

252 100

253 28.2 22.6 33.8

125 20.5 16.4 24.6

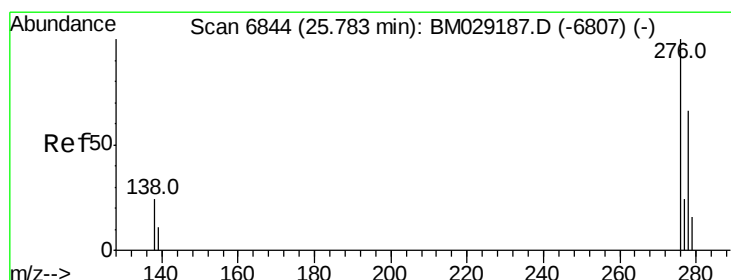
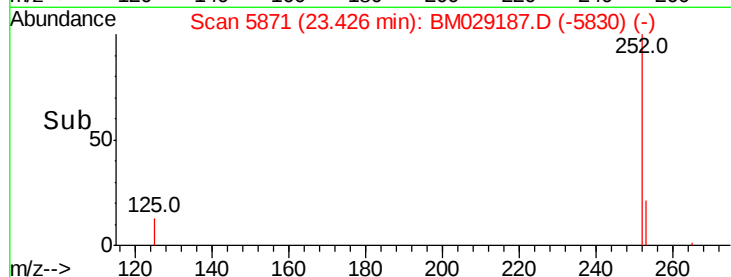
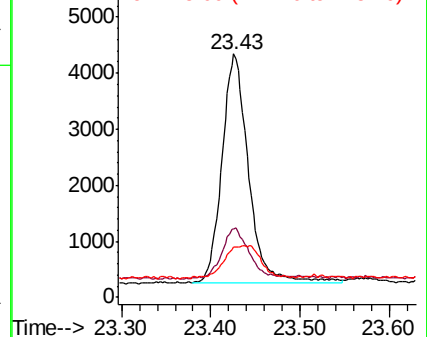


Abundance

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



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.409 ng/ul

RT: 25.78 min Scan# 6844

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

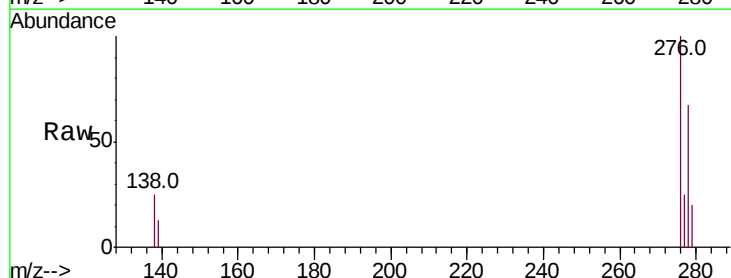
Tgt Ion:276 Resp: 13289

Ion Ratio Lower Upper

276 100

138 25.7 20.6 30.8

227 0.0 0.0 0.0

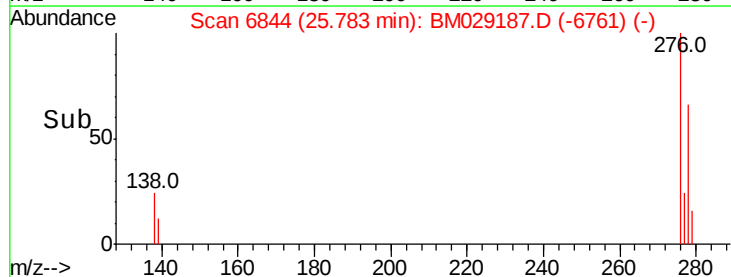
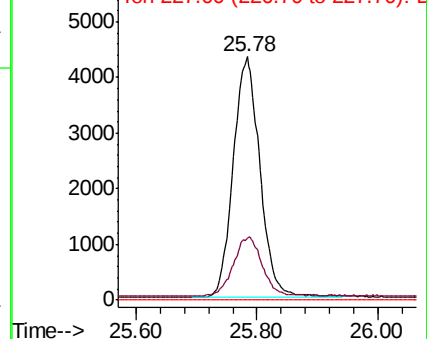


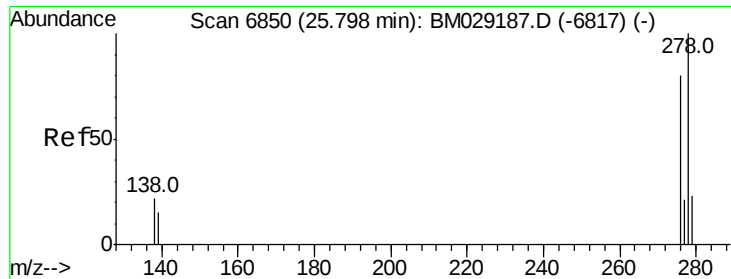
Abundance

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: 0.408 ng/ul

RT: 25.80 min Scan# 6850

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

Instrument :

BNA_M

ClientSampleId :

SSTD0.4003

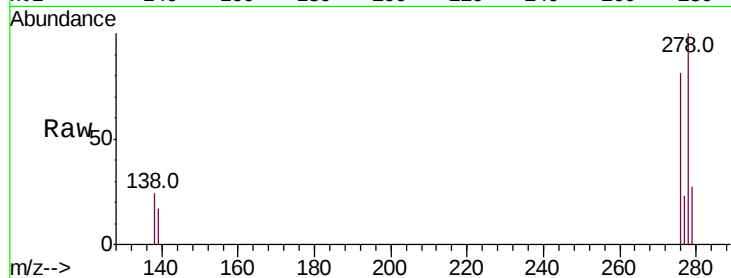
Tot Ion:278 Resp: 11102

Ion Ratio Lower Upper

278 100

139 17.0 13.6 20.4

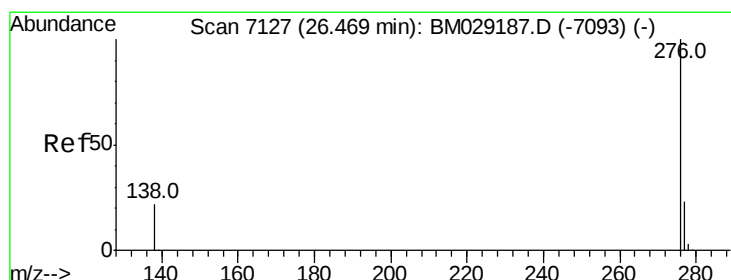
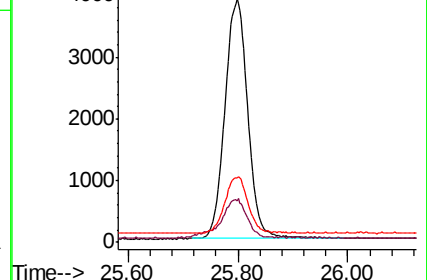
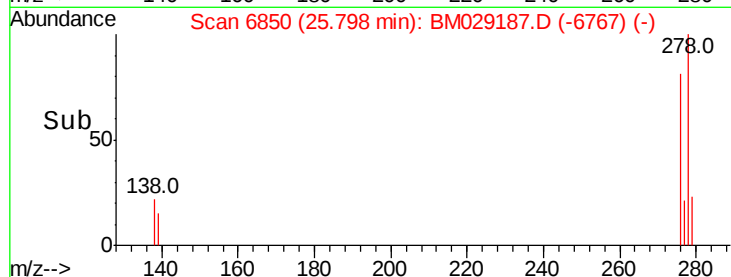
279 26.5 21.2 31.8



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: 0.385 ng/ul

RT: 26.47 min Scan# 7127

Delta R.T. 0.00 min

Lab File: BM029187.D

Acq: 22 Mar 2021 20:53

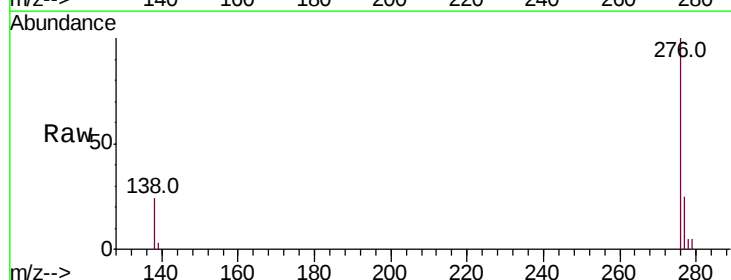
Tgt Ion:276 Resp: 10552

Ion Ratio Lower Upper

276 100

138 24.1 19.3 28.9

277 24.8 19.8 29.8



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

