

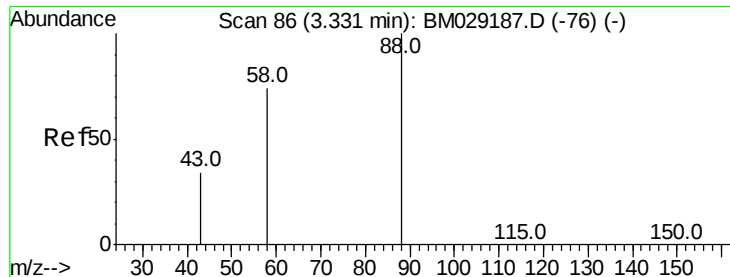
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032321\
 Data File : BM029188.D
 Acq On : 22 Mar 2021 21:29
 Operator : CG/JU
 Sample : SSTD0.804
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.8004

Quant Time: Mar 23 02:12:38 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	2000	0.40	ng/ul	0.00
4) Naphthalene-d8	10.55	136	6330	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.39	164	3251	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.12	188	6812	0.40	ng/ul	0.00
17) Chrysene-d12	21.29	240	7007	0.40	ng/ul	0.00
23) Perylene-d12	23.52	264	6800	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	1391	0.59	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.14	152	7518	0.77	ng/ul	0.00
18) Fluoranthene-d10	19.15	212	14253	0.70	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.33	88	1570	0.673	ng/ul#	89
5) Naphthalene	10.60	128	14669	0.837	ng/ul	98
7) 2-Methylnaphthalene	12.21	142	9746	0.813	ng/ul	100
8) 1-Methylnaphthalene	12.43	142	9300	0.813	ng/ul	99
10) Acenaphthylene	14.11	152	11351	0.786	ng/ul	99
11) Acenaphthene	14.46	153	9763	0.861	ng/ul	98
12) Fluorene	15.44	166	10978	0.851	ng/ul	100
14) Pentachlorophenol	16.77	266	1451	0.777	ng/ul	98
15) Phenanthrene	17.17	178	17378	0.834	ng/ul	99
16) Anthracene	17.26	178	15036	0.782	ng/ul	98
19) Fluoranthene	19.18	202	18631	0.712	ng/ul	99
20) Pyrene	19.54	202	18539	0.693	ng/ul	100
21) Benzo(a)anthracene	21.28	228	16476	0.661	ng/ul	99
22) Chrysene	21.33	228	18766	0.729	ng/ul	99
24) Benzo(b)fluoranthene	22.85	252	19631	0.732	ng/ul	94
25) Benzo(k)fluoranthene	22.90	252	20938	0.792	ng/ul	94
26) Benzo(a)pyrene	23.43	252	16182	0.701	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	25.78	276	25308	0.830	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.80	278	21309	0.836	ng/ul	98
29) Benzo(g,h,i)perylene	26.47	276	20506	0.798	ng/ul	98

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



#2

1,4-Dioxane

Concen: 0.673 ng/ul

RT: 3.33 min Scan# 85

Delta R.T. -0.00 min

Lab File: BM029188.D

Acq: 22 Mar 2021 21:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.8004

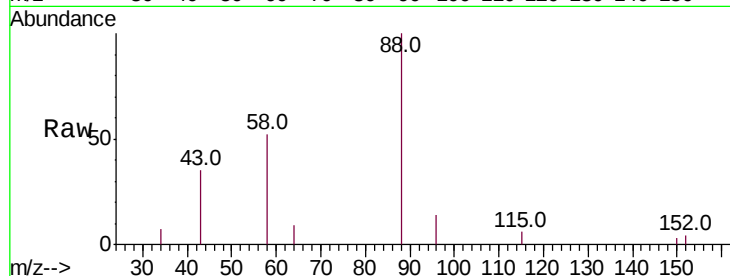
Tot Ion: 88 Resp: 1570

Ion Ratio Lower Upper

88 100

43 34.5 26.1 39.1

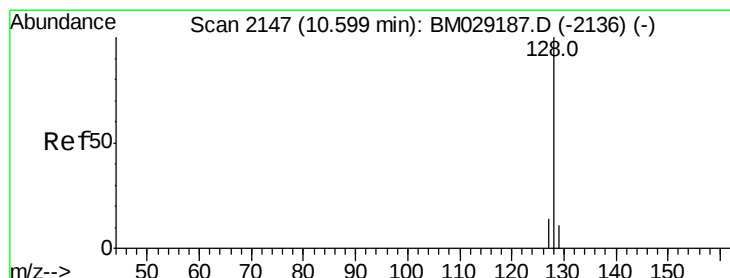
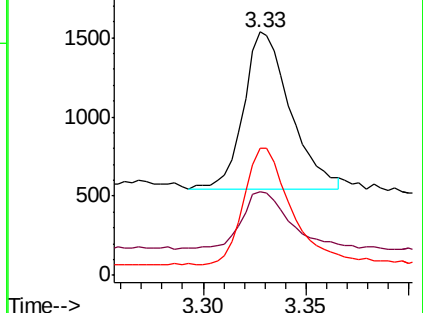
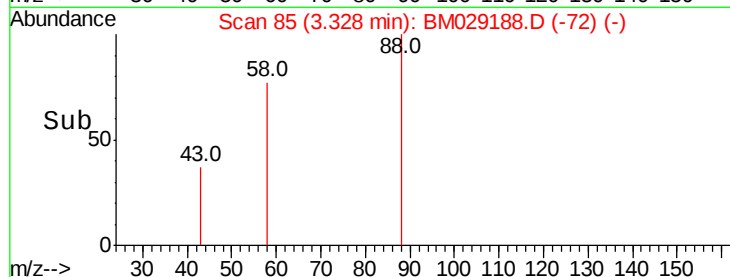
58 52.4 33.8 50.6#



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: 0.837 ng/ul

RT: 10.60 min Scan# 2147

Delta R.T. -0.00 min

Lab File: BM029188.D

Acq: 22 Mar 2021 21:29

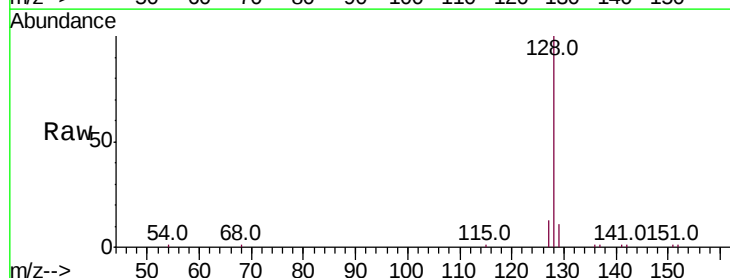
Tgt Ion: 128 Resp: 14669

Ion Ratio Lower Upper

128 100

129 11.3 9.5 14.3

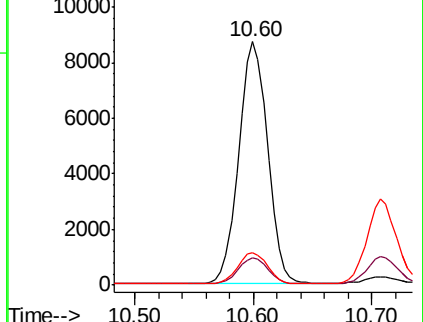
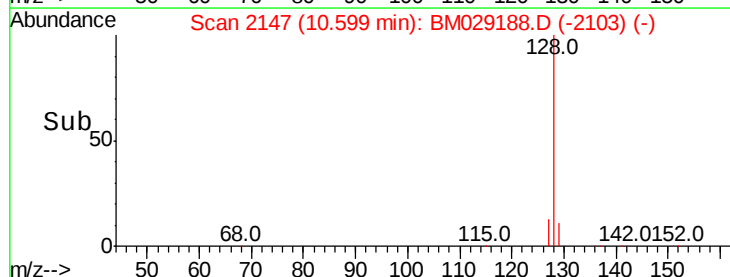
127 13.5 11.8 17.8

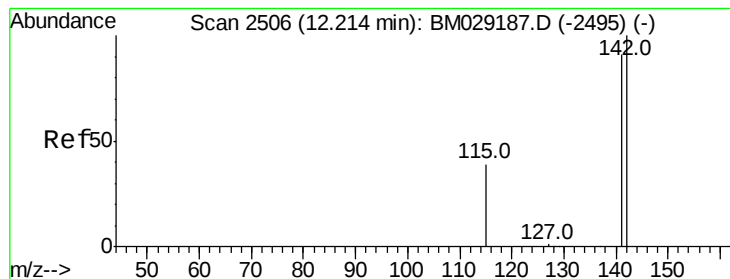


Abundance Ion 128.00 (127.70 to 128.70): BM029187.D (-2136) (-)

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: 0.813 ng/ul

RT: 12.21 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BM029188.D

Acq: 22 Mar 2021 21:29

Instrument :

BNA_M

ClientSampleId :

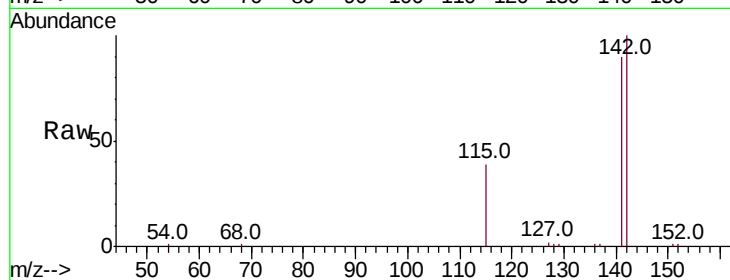
SSTD0.8004

Tot Ion:142 Resp: 9746

Ion Ratio Lower Upper

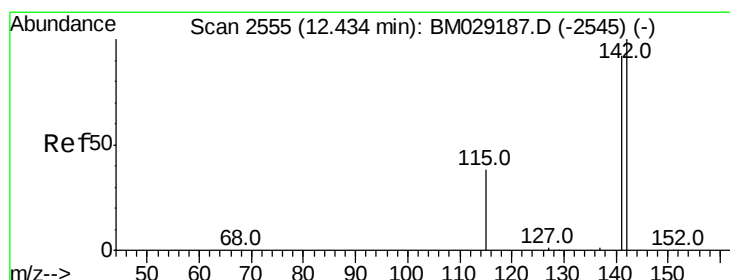
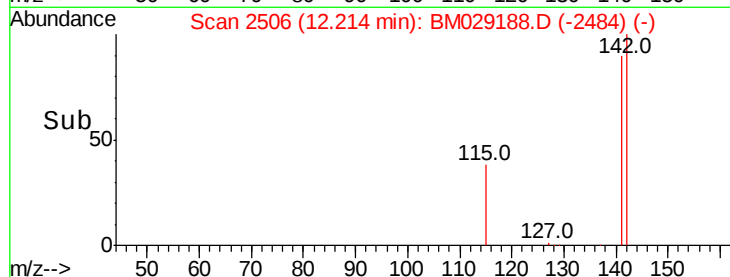
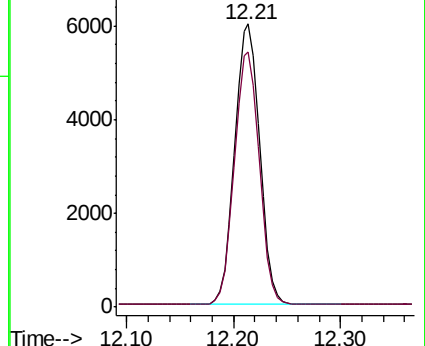
142 100

141 90.1 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: 0.813 ng/ul

RT: 12.43 min Scan# 2555

Delta R.T. -0.00 min

Lab File: BM029188.D

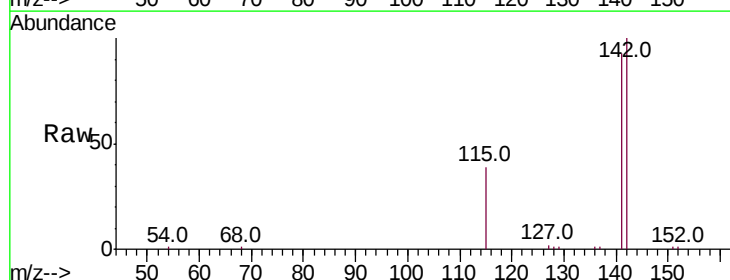
Acq: 22 Mar 2021 21:29

Tgt Ion:142 Resp: 9300

Ion Ratio Lower Upper

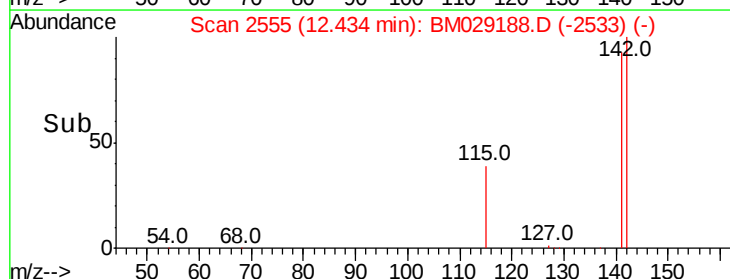
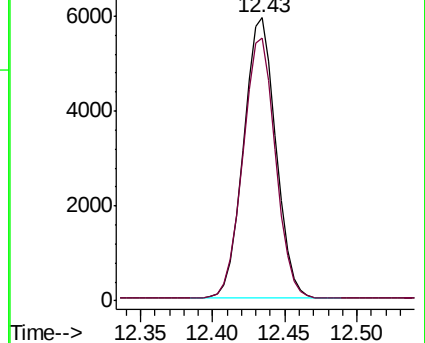
142 100

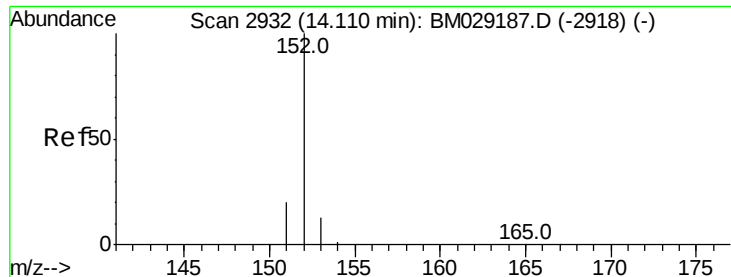
141 93.8 74.0 111.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.786 ng/ul

RT: 14.11 min Scan# 2932

Delta R.T. -0.00 min

Lab File: BM029188.D

Acq: 22 Mar 2021 21:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.8004

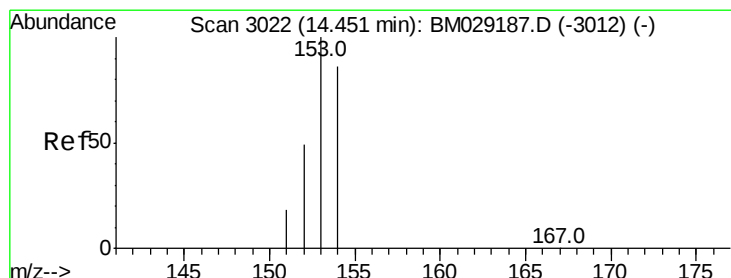
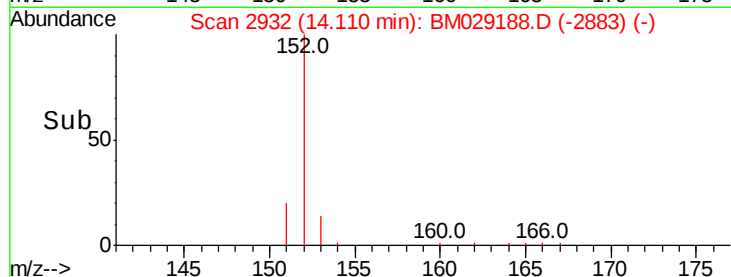
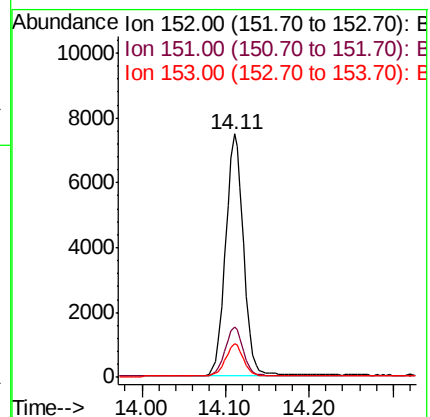
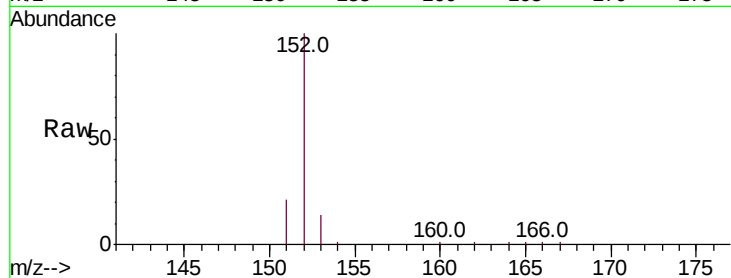
Tot Ion:152 Resp: 11351

Ion Ratio Lower Upper

152 100

151 20.8 17.2 25.8

153 13.9 11.1 16.7



#11

Acenaphthene

Concen: 0.861 ng/ul

RT: 14.46 min Scan# 3023

Delta R.T. 0.00 min

Lab File: BM029188.D

Acq: 22 Mar 2021 21:29

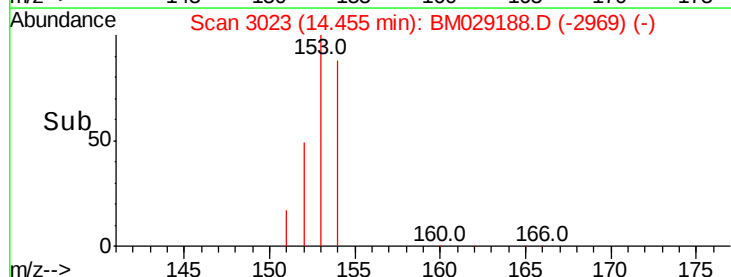
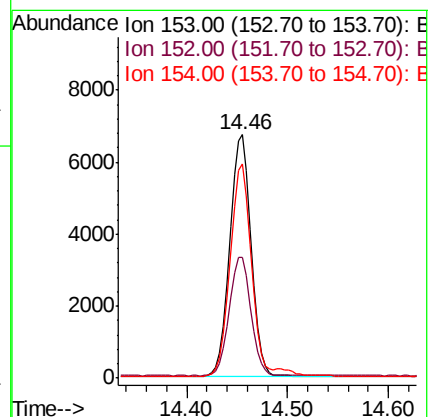
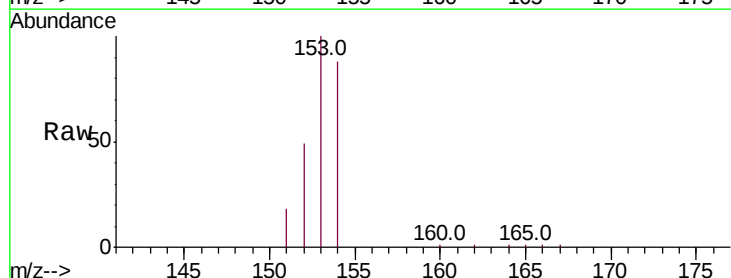
Tgt Ion:153 Resp: 9763

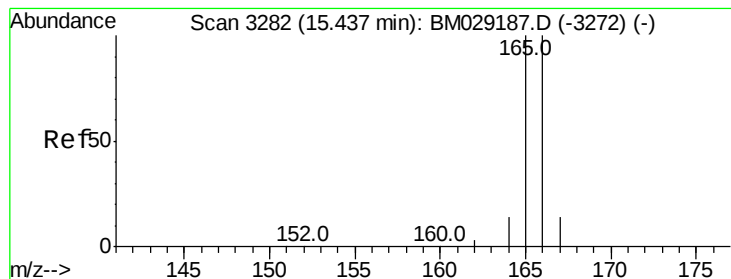
Ion Ratio Lower Upper

153 100

152 49.5 40.1 60.1

154 88.2 69.0 103.4





#12

Fluorene

Concen: 0.851 ng/ul

RT: 15.44 min Scan# 3282

Delta R.T. -0.00 min

Lab File: BM029188.D

Acq: 22 Mar 2021 21:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.8004

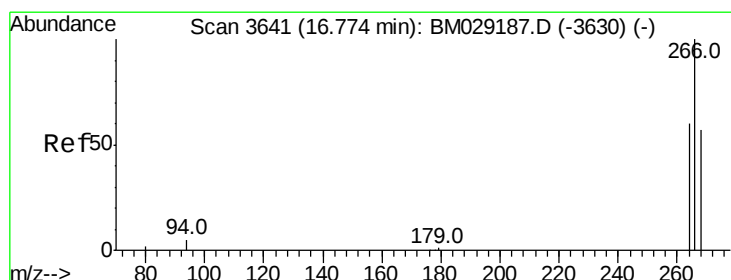
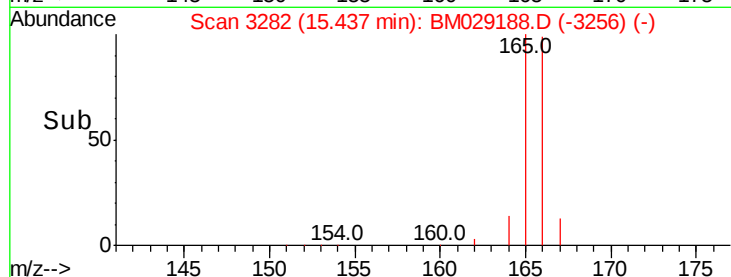
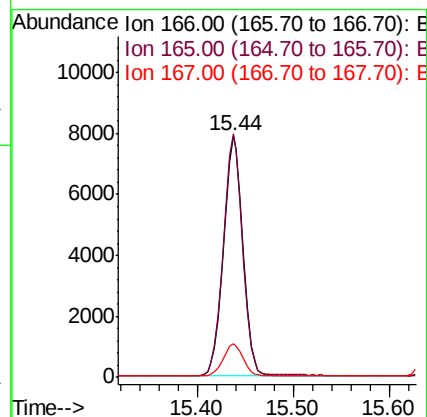
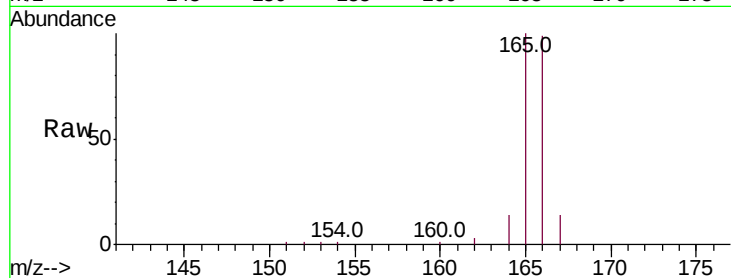
Tot Ion:166 Resp: 10978

Ion Ratio Lower Upper

166 100

165 100.8 80.6 120.8

167 14.1 12.0 18.0



#14

Pentachlorophenol

Concen: 0.777 ng/ul

RT: 16.77 min Scan# 3641

Delta R.T. -0.00 min

Lab File: BM029188.D

Acq: 22 Mar 2021 21:29

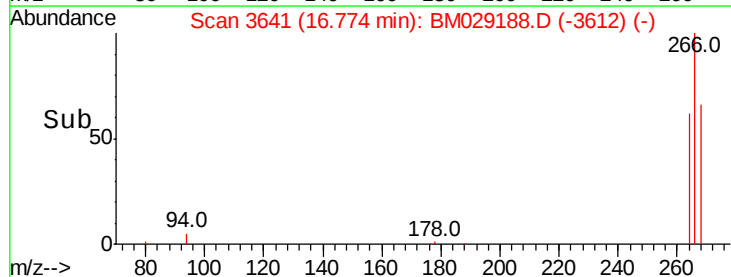
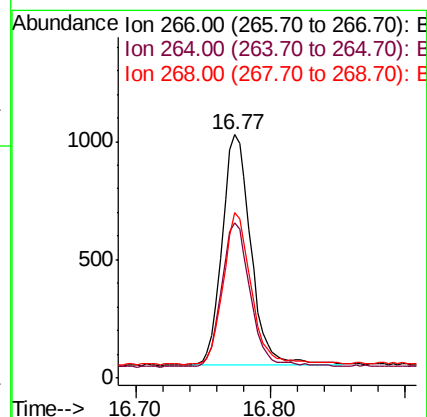
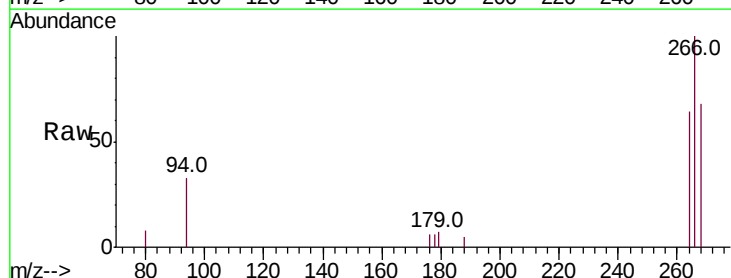
Tgt Ion:266 Resp: 1451

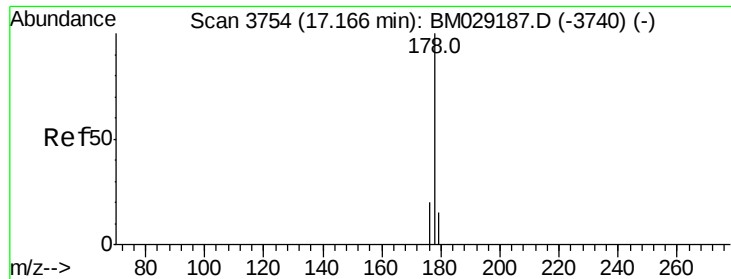
Ion Ratio Lower Upper

266 100

264 63.0 48.1 72.1

268 64.0 51.8 77.6

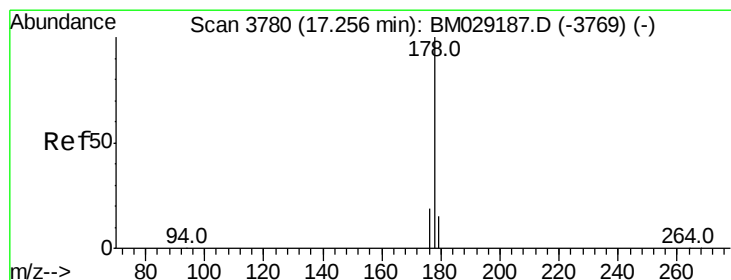
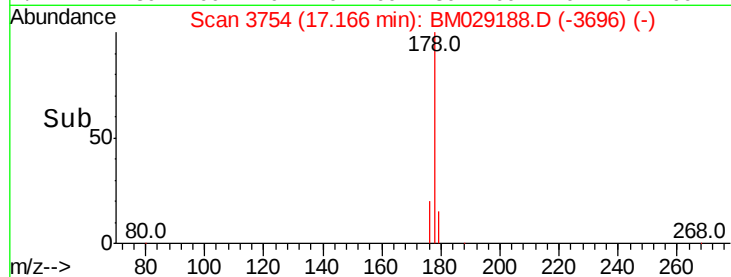
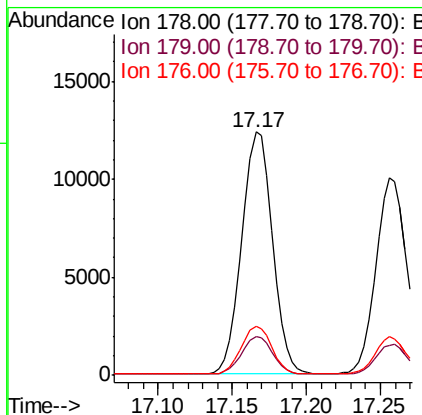
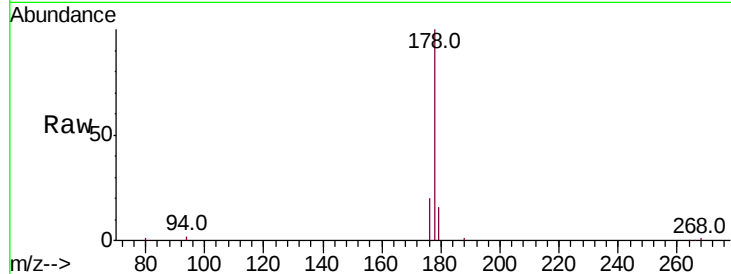




#15
Phenanthrene
Concen: 0.834 ng/ul
RT: 17.17 min Scan# 3754
Delta R.T. -0.00 min
Lab File: BM029188.D
Acq: 22 Mar 2021 21:29

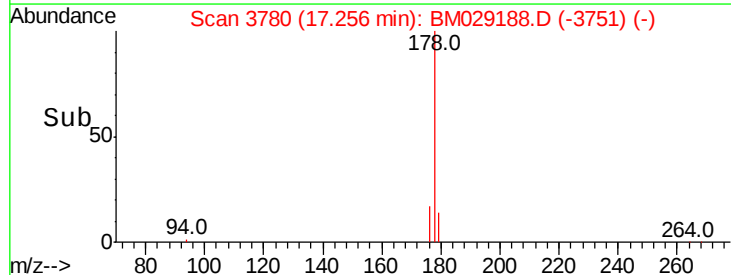
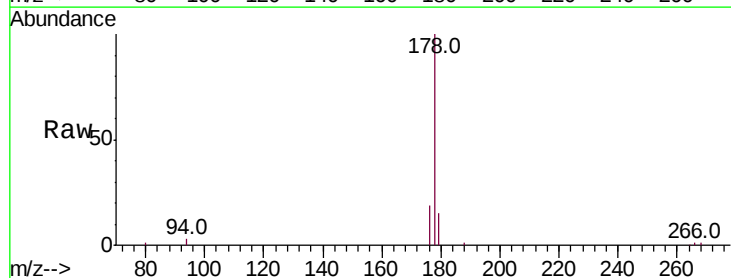
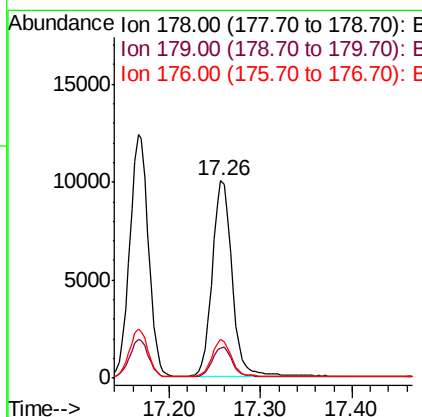
Instrument :
BNA_M
ClientSampleId :
SSTD0.8004

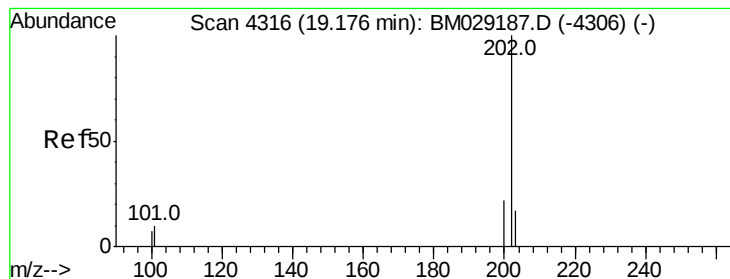
Tot Ion:178 Resp: 17378
Ion Ratio Lower Upper
178 100
179 15.7 12.9 19.3
176 20.2 16.5 24.7



#16
Anthracene
Concen: 0.782 ng/ul
RT: 17.26 min Scan# 3780
Delta R.T. -0.00 min
Lab File: BM029188.D
Acq: 22 Mar 2021 21:29

Tgt Ion:178 Resp: 15036
Ion Ratio Lower Upper
178 100
179 15.4 13.1 19.7
176 19.5 16.2 24.2





#19

Fluoranthene

Concen: 0.712 ng/ul

RT: 19.18 min Scan# 4316

Delta R.T. -0.00 min

Lab File: BM029188.D

Acq: 22 Mar 2021 21:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.8004

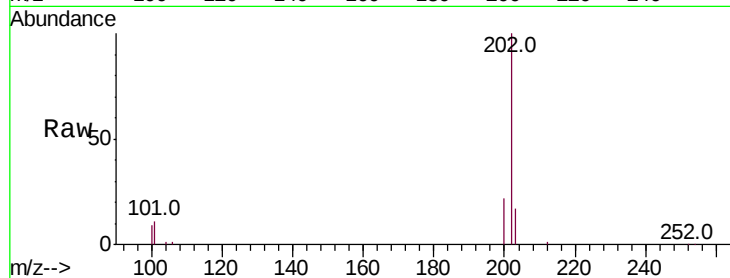
Tot Ion:202 Resp: 18631

Ion Ratio Lower Upper

202 100

101 10.5 8.7 13.1

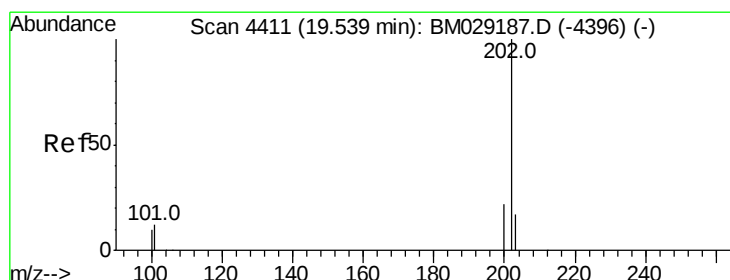
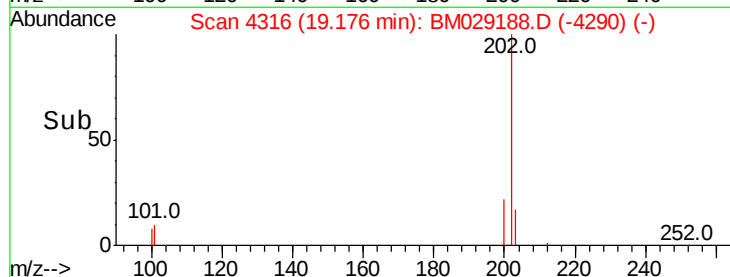
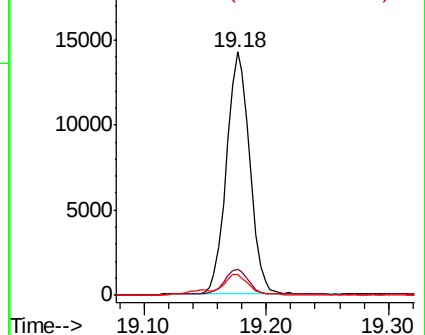
100 8.7 6.9 10.3



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: 0.693 ng/ul

RT: 19.54 min Scan# 4411

Delta R.T. -0.00 min

Lab File: BM029188.D

Acq: 22 Mar 2021 21:29

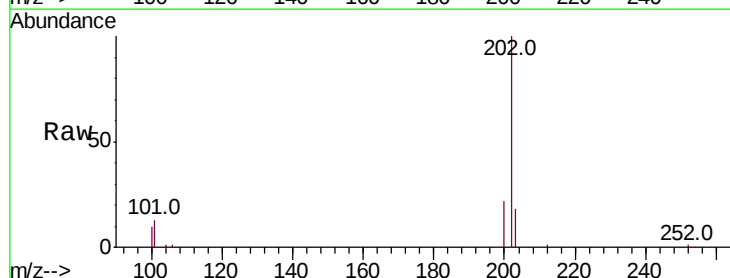
Tgt Ion:202 Resp: 18539

Ion Ratio Lower Upper

202 100

101 12.9 10.2 15.4

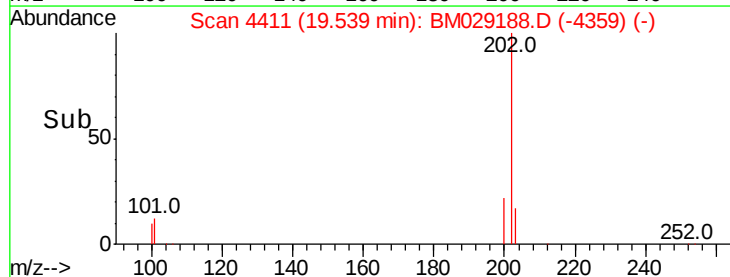
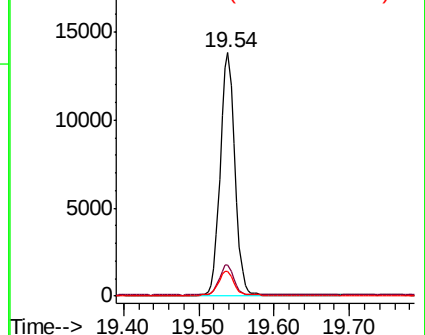
100 10.3 8.5 12.7

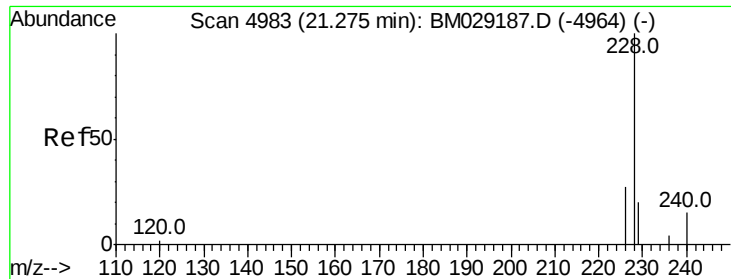


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.661 ng/ul

RT: 21.28 min Scan# 4983

Delta R.T. -0.00 min

Lab File: BM029188.D

Acq: 22 Mar 2021 21:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.8004

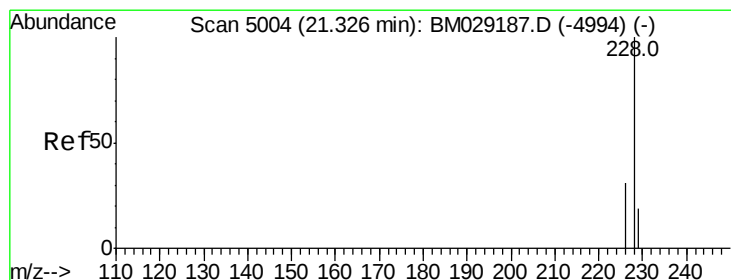
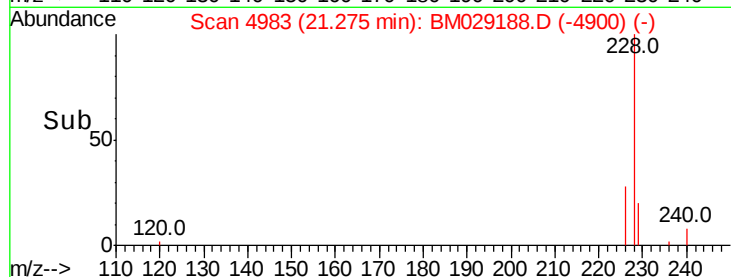
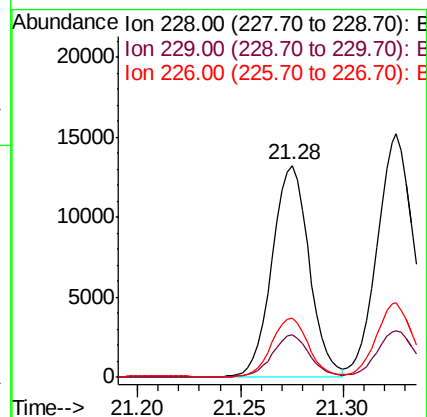
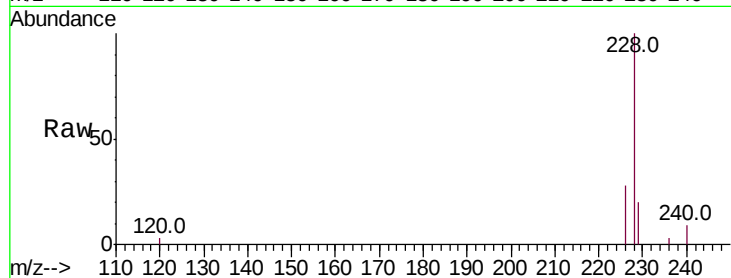
Tot Ion:228 Resp: 16476

Ion Ratio Lower Upper

228 100

229 20.0 16.2 24.2

226 28.3 22.2 33.2



#22

Chrysene

Concen: 0.729 ng/ul

RT: 21.33 min Scan# 5004

Delta R.T. -0.00 min

Lab File: BM029188.D

Acq: 22 Mar 2021 21:29

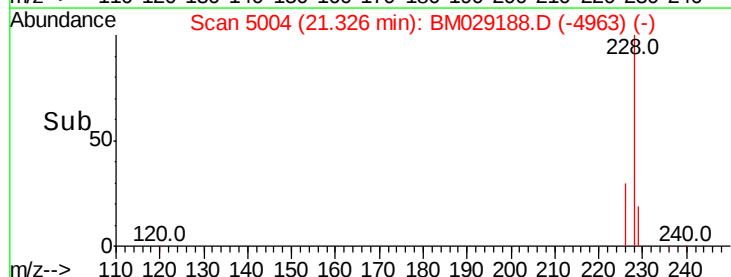
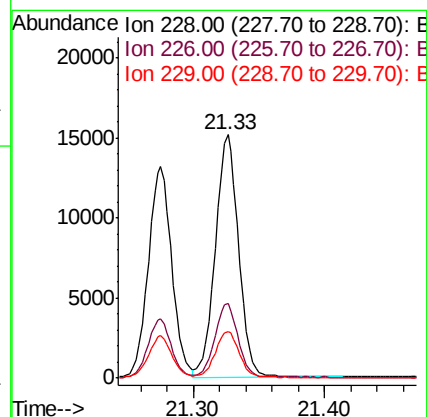
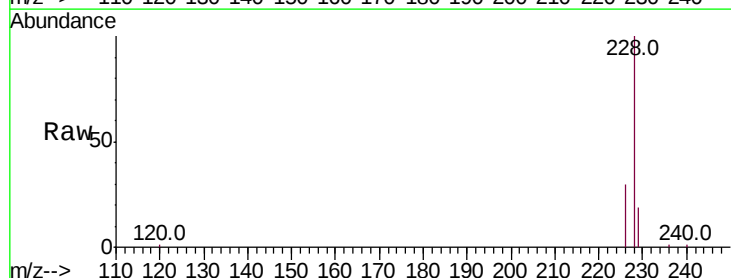
Tgt Ion:228 Resp: 18766

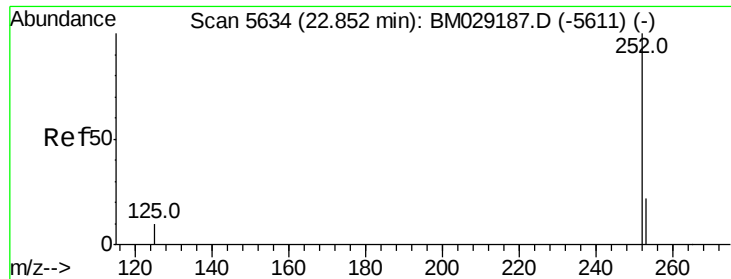
Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.4

229 19.2 16.0 24.0





#24

Benzo(b)fluoranthene

Concen: 0.732 ng/ul

RT: 22.85 min Scan# 5634

Delta R.T. -0.00 min

Lab File: BM029188.D

Acq: 22 Mar 2021 21:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.8004

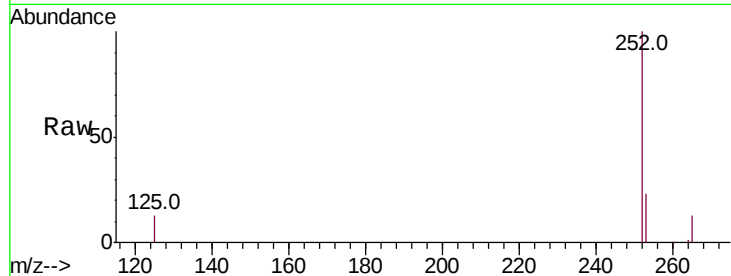
Tot Ion:252 Resp: 19631

Ion Ratio Lower Upper

252 100

253 23.4 0.0 52.4

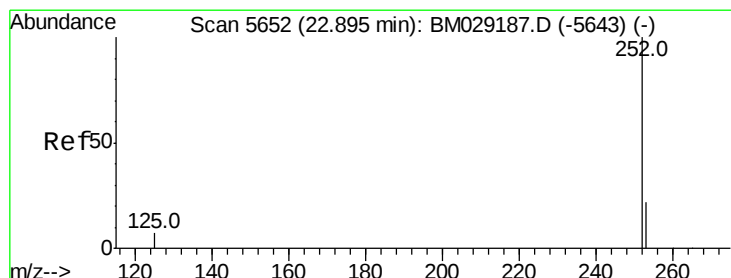
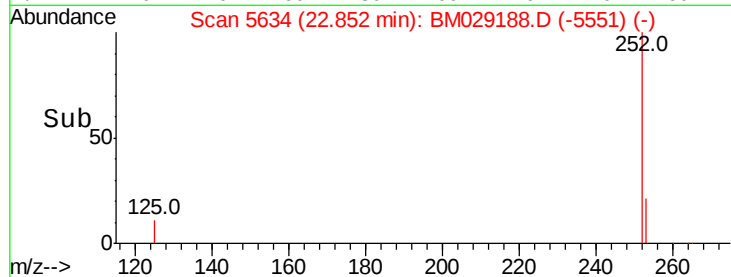
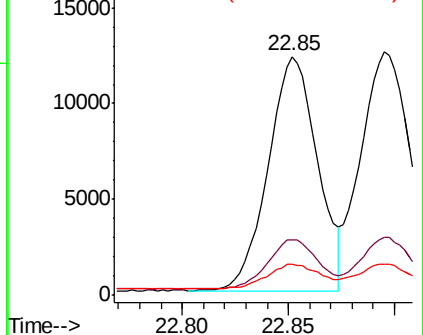
125 13.1 0.0 31.0



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: 0.792 ng/ul

RT: 22.90 min Scan# 5652

Delta R.T. -0.00 min

Lab File: BM029188.D

Acq: 22 Mar 2021 21:29

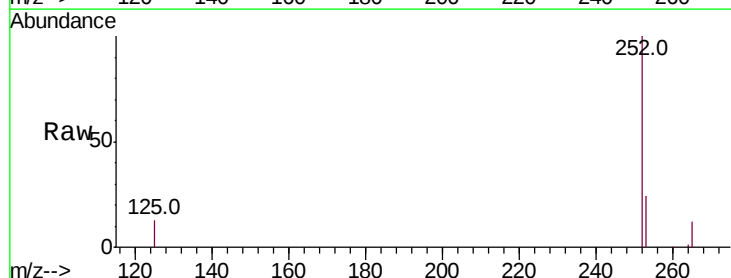
Tgt Ion:252 Resp: 20938

Ion Ratio Lower Upper

252 100

253 23.7 21.1 31.7

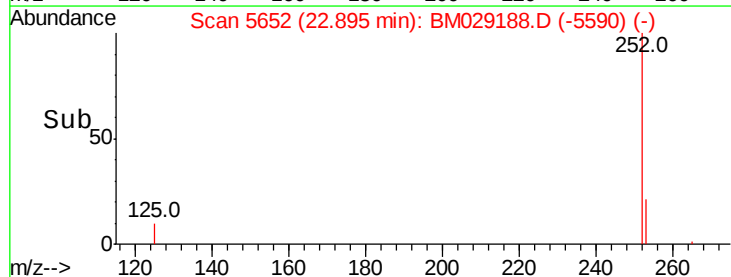
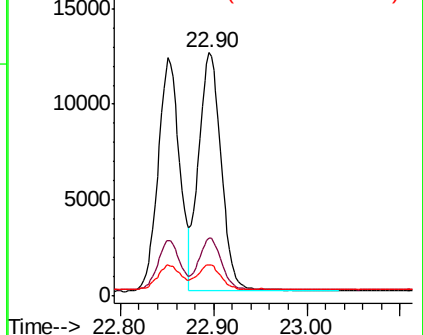
125 13.0 12.6 19.0

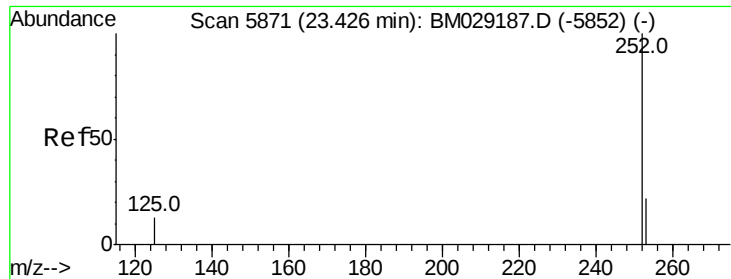


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.701 ng/ul

RT: 23.43 min Scan# 5871

Delta R.T. -0.00 min

Lab File: BM029188.D

Acq: 22 Mar 2021 21:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.8004

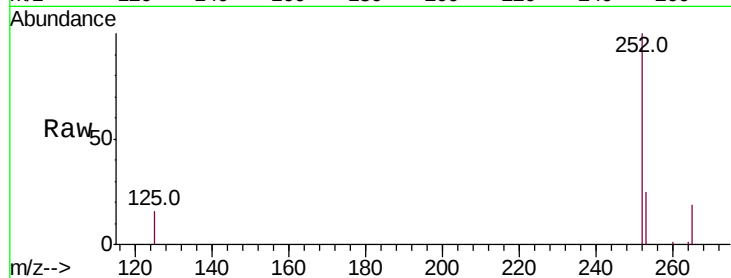
Tot Ion:252 Resp: 16182

Ion Ratio Lower Upper

252 100

253 25.4 22.6 33.8

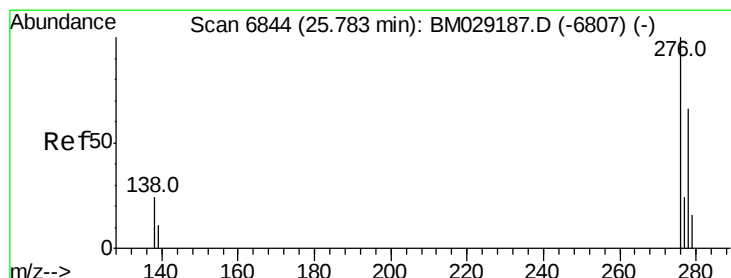
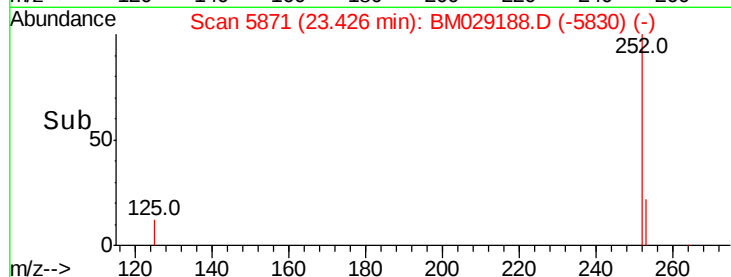
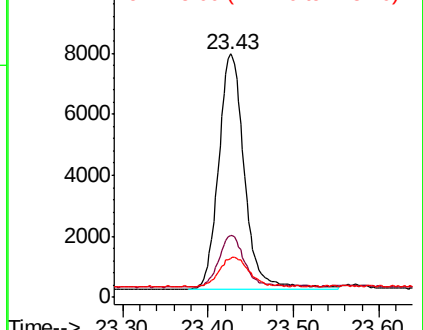
125 15.7 16.4 24.6#



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: 0.830 ng/ul

RT: 25.78 min Scan# 6843

Delta R.T. -0.00 min

Lab File: BM029188.D

Acq: 22 Mar 2021 21:29

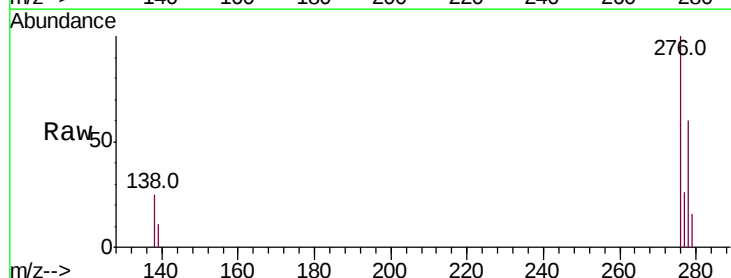
Tgt Ion:276 Resp: 25308

Ion Ratio Lower Upper

276 100

138 25.7 20.6 30.8

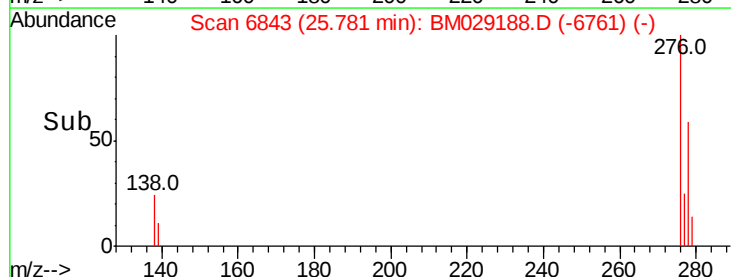
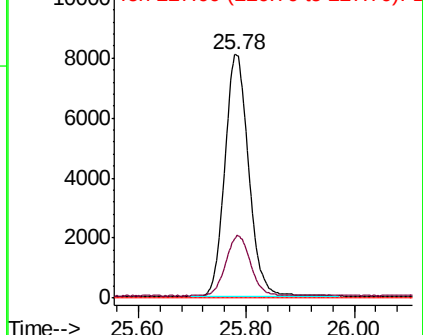
227 0.0 0.0 0.0

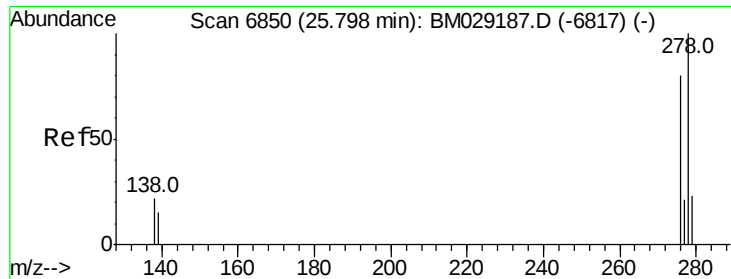


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.836 ng/ul

RT: 25.80 min Scan# 6850

Delta R.T. -0.00 min

Lab File: BM029188.D

Acq: 22 Mar 2021 21:29

Instrument :

BNA_M

ClientSampleId :

SSTD0.8004

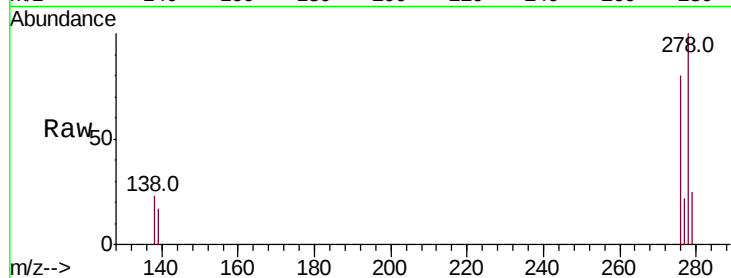
Tot Ion:278 Resp: 21309

Ion Ratio Lower Upper

278 100

139 16.5 13.6 20.4

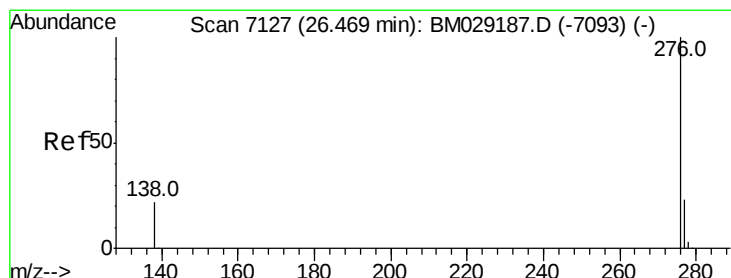
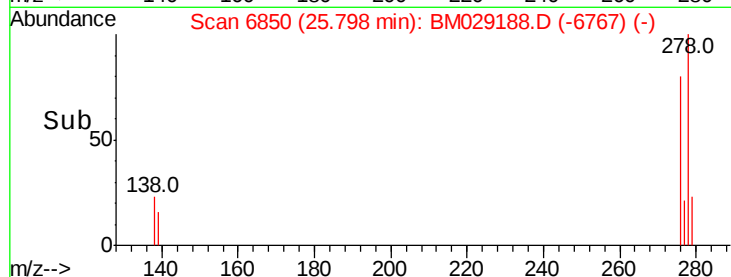
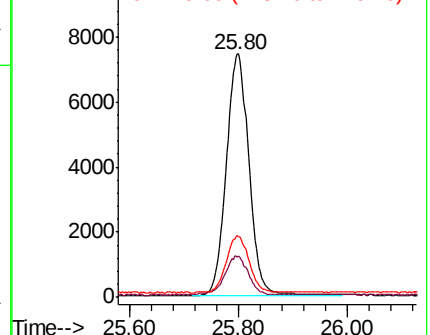
279 25.3 21.2 31.8



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: 0.798 ng/ul

RT: 26.47 min Scan# 7127

Delta R.T. -0.00 min

Lab File: BM029188.D

Acq: 22 Mar 2021 21:29

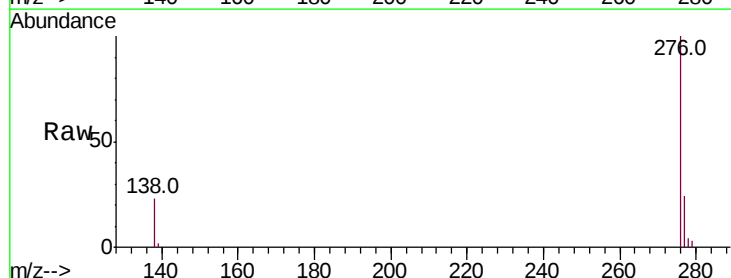
Tgt Ion:276 Resp: 20506

Ion Ratio Lower Upper

276 100

138 23.2 19.3 28.9

277 24.1 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

