

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062421\
 Data File : BM030588.D
 Acq On : 24 Jun 2021 22:55
 Operator : CG/JU
 Sample : M2662-25
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BGDA1

Quant Time: Jun 25 02:27:09 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 12:48:41 2021
 Response via : Initial Calibration

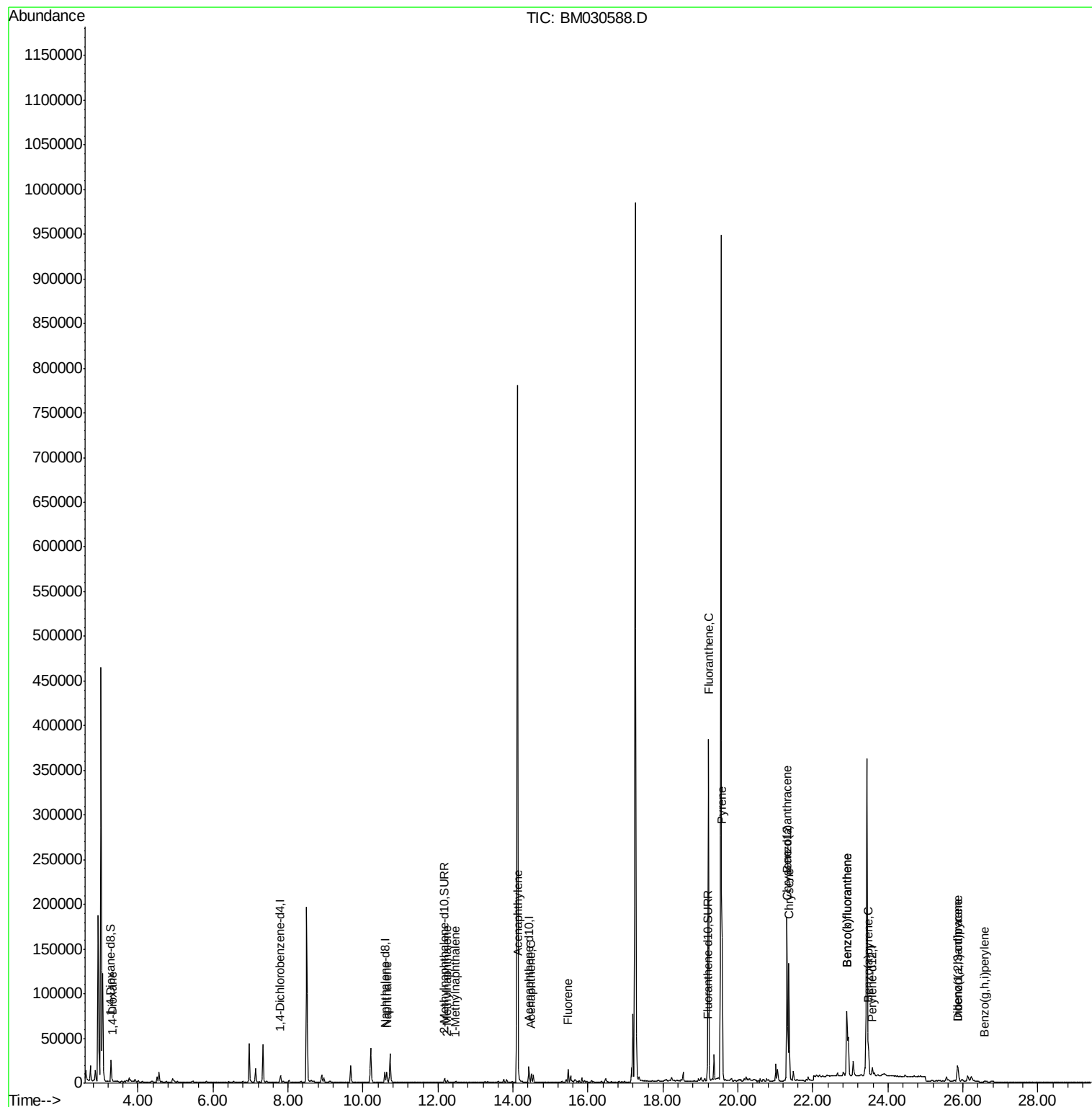
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	3715	0.40	ng/ul	0.00
4) Naphthalene-d8	10.58	136	15395	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.42	164	9810	0.40	ng/ul	0.00
13) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.17
17) Chrysene-d12	21.32	240	16198	0.40	ng/ul	0.00
23) Perylene-d12	23.58	264	13917	0.40	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.28	96	15904	4.00	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	12.17	152	6445	0.26	ng/ul	0.00
18) Fluoranthene-d10	19.18	212	15990	0.32	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.32	88	105	0.025	ng/ul#	36
5) Naphthalene	10.63	128	15055	0.329	ng/ul	99
7) 2-Methylnaphthalene	12.25	142	1560	0.050	ng/ul	100
8) 1-Methylnaphthalene	12.47	142	966	0.032	ng/ul	98
10) Acenaphthylene	14.14	152	6192	0.135	ng/ul	95
11) Acenaphthene	14.49	153	5702	0.152	ng/ul	99
12) Fluorene	15.47	166	9131	0.220	ng/ul	97
19) Fluoranthene	19.21	202	315732	4.240	ng/ul	99
20) Pyrene	19.57	202	195333	2.560	ng/ul	100
21) Benzo(a)anthracene	21.31	228	149549	2.324	ng/ul	98
22) Chrysene	21.36	228	120101	1.681	ng/ul	98
24) Benzo(b)fluoranthene	22.90	252	175063	2.892	ng/ul	99
25) Benzo(k)fluoranthene	22.90	252	175063	2.757	ng/ul	98
26) Benzo(a)pyrene	23.48	252	38395	0.715	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.86	276	25699	0.376	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.86	278	11491	0.211	ng/ul#	82
29) Benzo(g,h,i)perylene	26.56	276	1194	0.020	ng/ul#	27

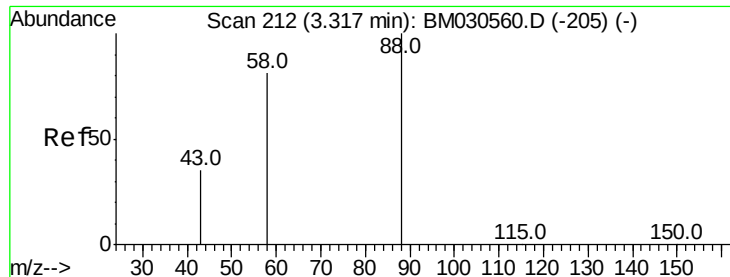
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.025 ng/ul

RT: 3.32 min Scan# 212

Delta R.T. 0.00 min

Lab File: BM030588.D

Acq: 24 Jun 2021 22:55

Instrument :

BNA_M

ClientSampleId :

BGDA1

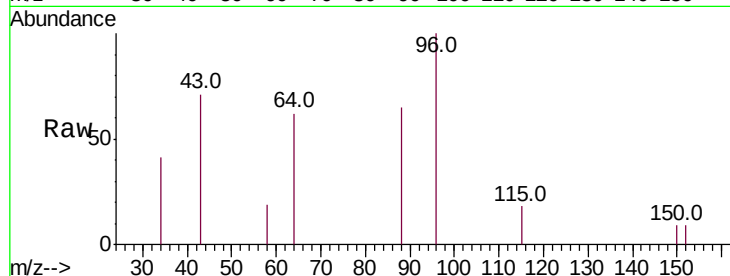
Tot Ion: 88 Resp: 105

Ion Ratio Lower Upper

88 100

43 109.7 37.7 56.5#

58 29.0 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) (-)

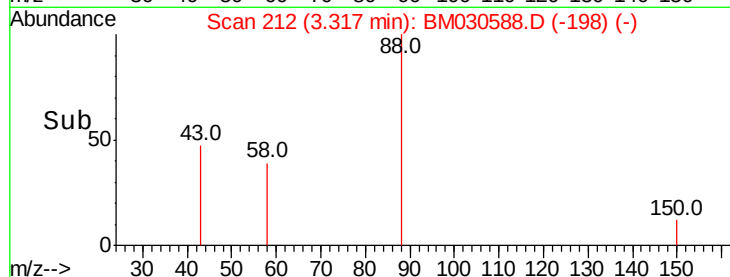
600

400

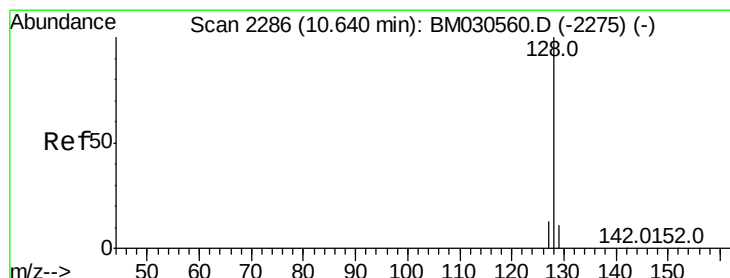
200

0

Time-->



Time-->



#5

Naphthalene

Concen: 0.329 ng/ul

RT: 10.63 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BM030588.D

Acq: 24 Jun 2021 22:55

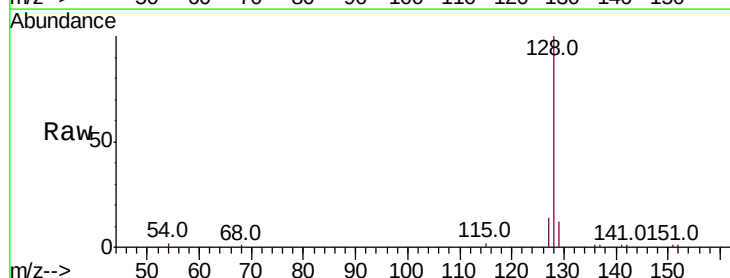
Tgt Ion: 128 Resp: 15055

Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.6

127 13.5 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) (-)

12000

10000

8000

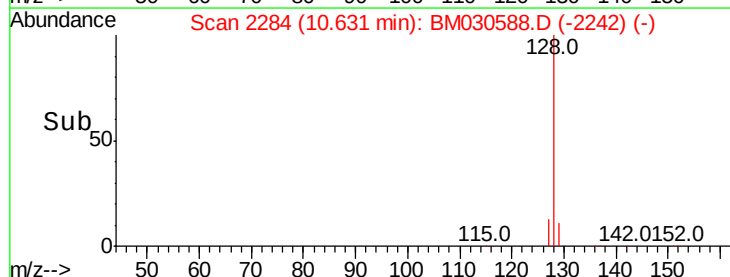
6000

4000

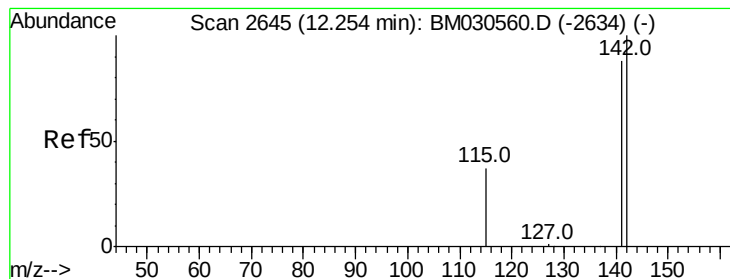
2000

0

Time-->



Time-->



#7

2-Methylnaphthalene

Concen: 0.050 ng/ul

RT: 12.25 min Scan# 2644

Delta R.T. -0.00 min

Lab File: BM030588.D

Acq: 24 Jun 2021 22:55

Instrument :

BNA_M

ClientSampleId :

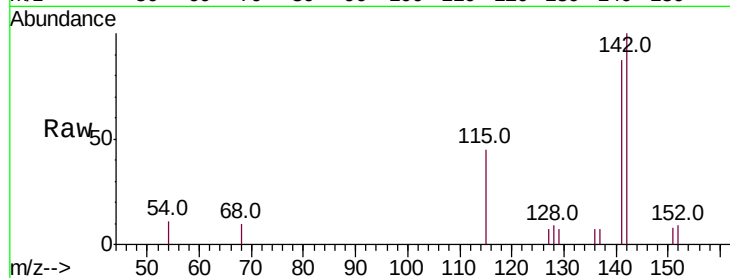
BGDA1

Tot Ion:142 Resp: 1560

Ion Ratio Lower Upper

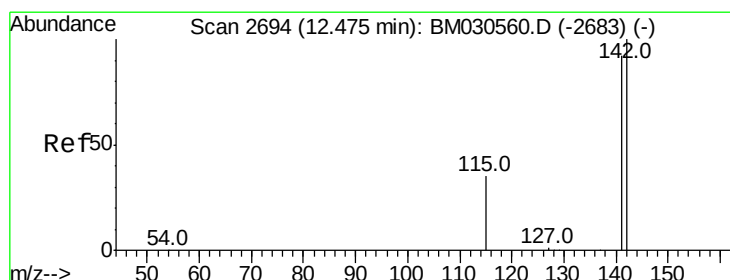
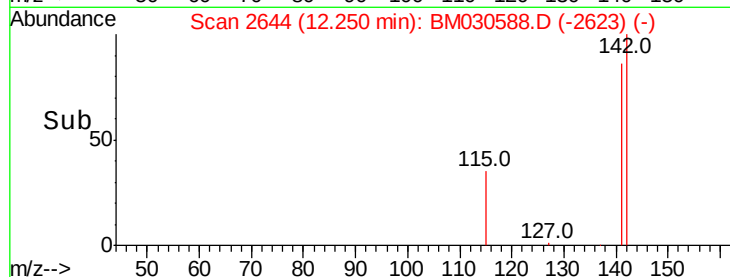
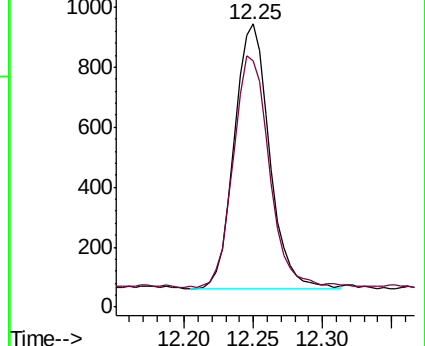
142 100

141 89.3 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: 0.032 ng/ul

RT: 12.47 min Scan# 2692

Delta R.T. -0.00 min

Lab File: BM030588.D

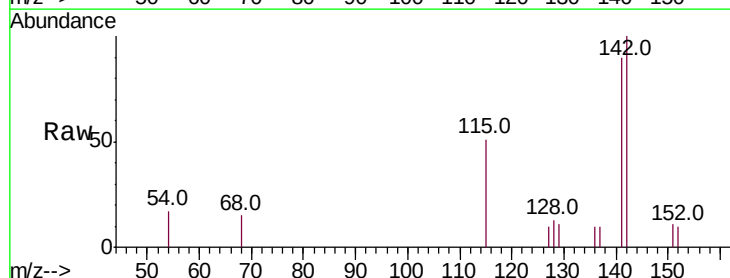
Acq: 24 Jun 2021 22:55

Tgt Ion:142 Resp: 966

Ion Ratio Lower Upper

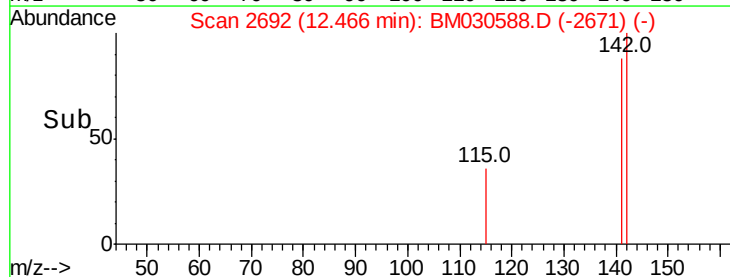
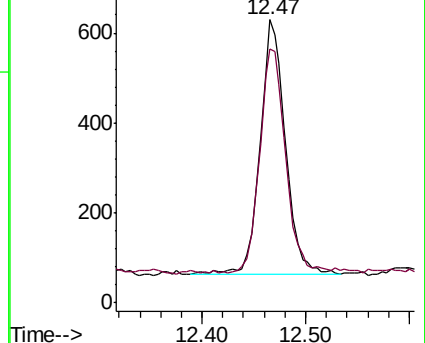
142 100

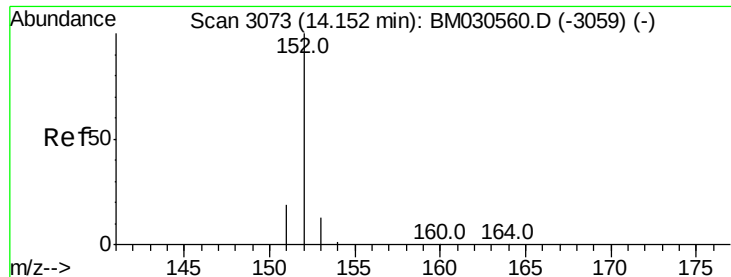
141 90.2 73.4 110.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.135 ng/ul

RT: 14.14 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BM030588.D

Acq: 24 Jun 2021 22:55

Instrument :

BNA_M

ClientSampleId :

BGDA1

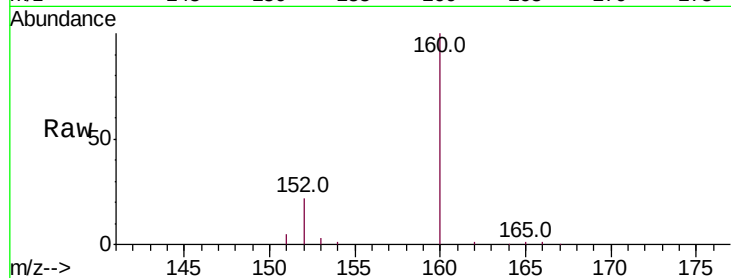
Tot Ion:152 Resp: 6192

Ion Ratio Lower Upper

152 100

151 21.5 15.5 23.3

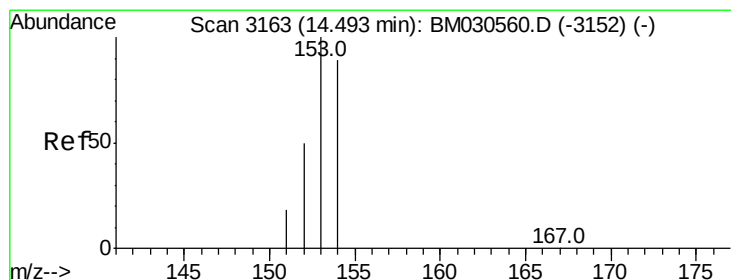
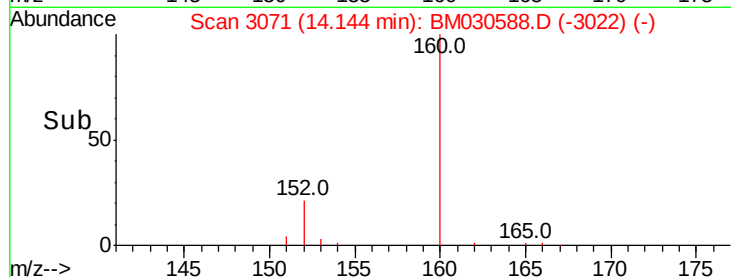
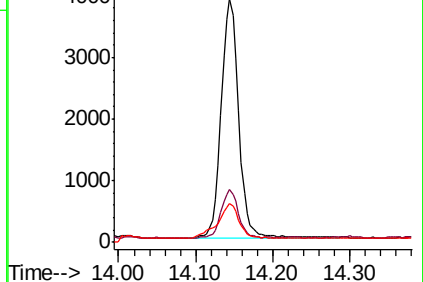
153 15.7 10.7 16.1



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: 0.152 ng/ul

RT: 14.49 min Scan# 3161

Delta R.T. -0.00 min

Lab File: BM030588.D

Acq: 24 Jun 2021 22:55

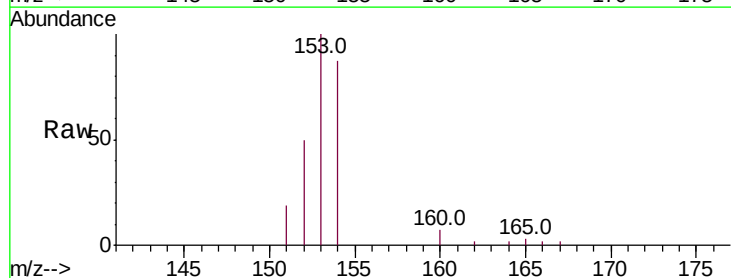
Tgt Ion:153 Resp: 5702

Ion Ratio Lower Upper

153 100

152 49.9 40.2 60.2

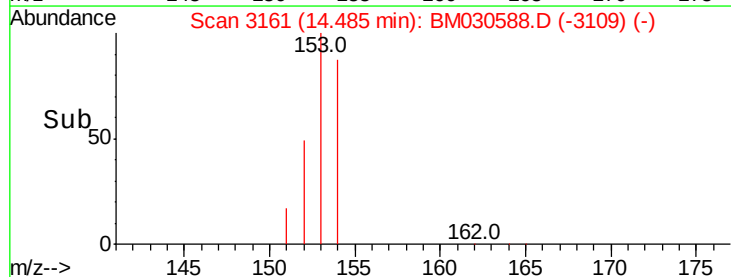
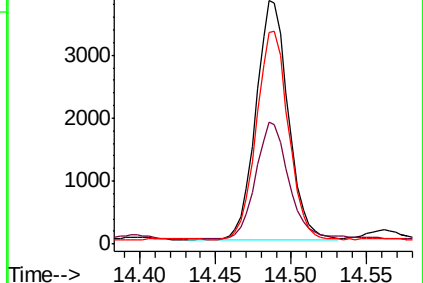
154 87.1 71.2 106.8

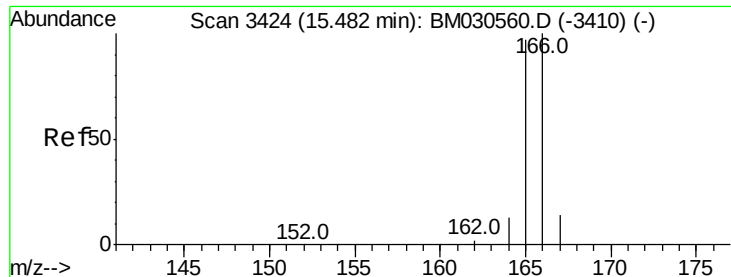


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

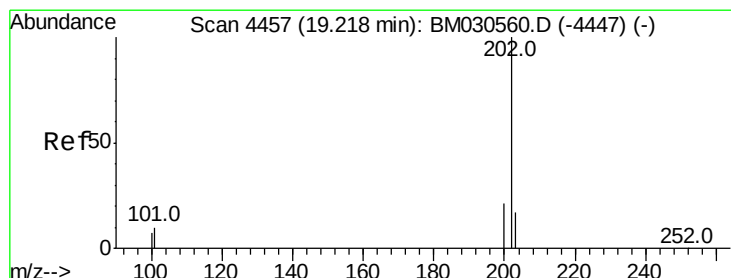
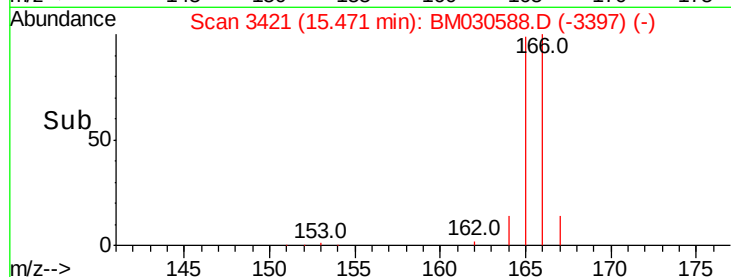
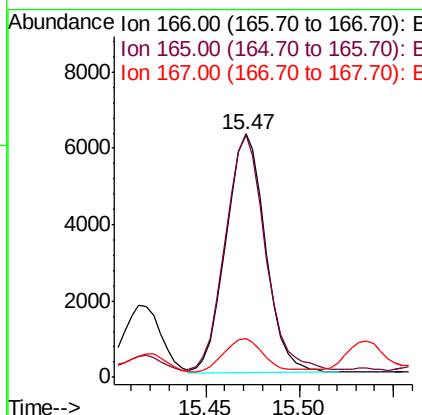
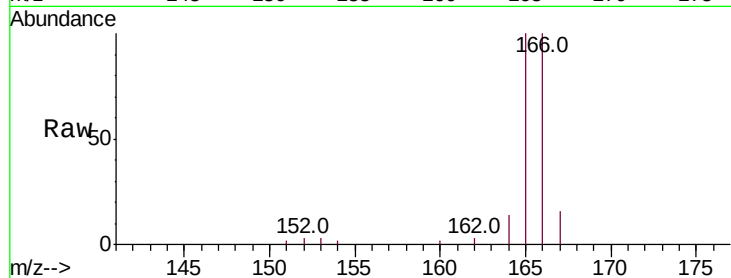




#12
Fluorene
Concen: 0.220 ng/ul
RT: 15.47 min Scan# 3421
Delta R.T. -0.01 min
Lab File: BM030588.D
Acq: 24 Jun 2021 22:55

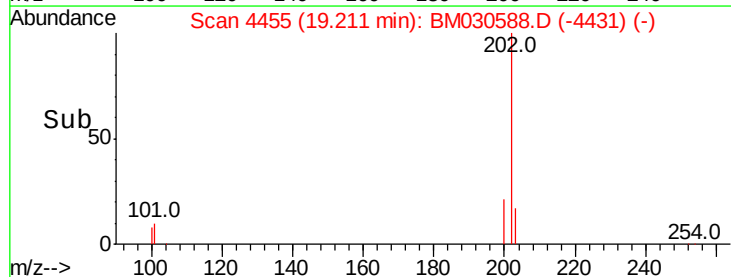
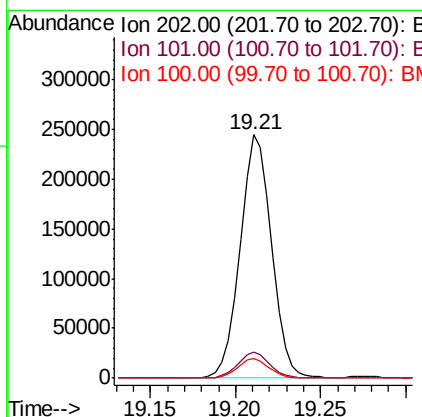
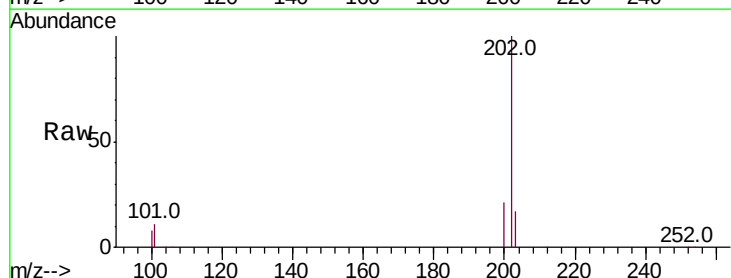
Instrument :
BNA_M
ClientSampleId :
BGDA1

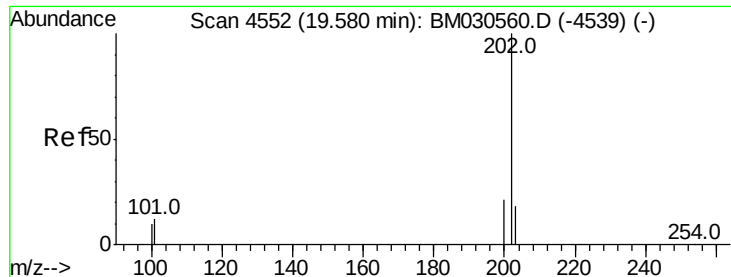
Tot Ion:166 Resp: 9131
Ion Ratio Lower Upper
166 100
165 99.7 77.7 116.5
167 15.8 11.3 16.9



#19
Fluoranthene
Concen: 4.240 ng/ul
RT: 19.21 min Scan# 4455
Delta R.T. -0.01 min
Lab File: BM030588.D
Acq: 24 Jun 2021 22:55

Tgt Ion:202 Resp: 315732
Ion Ratio Lower Upper
202 100
101 10.7 8.8 13.2
100 8.1 6.9 10.3





#20

Pvrene

Concen: 2.560 ng/ul

RT: 19.57 min Scan# 4550

Delta R.T. -0.01 min

Lab File: BM030588.D

Acq: 24 Jun 2021 22:55

Instrument :

BNA_M

ClientSampleId :

BGDA1

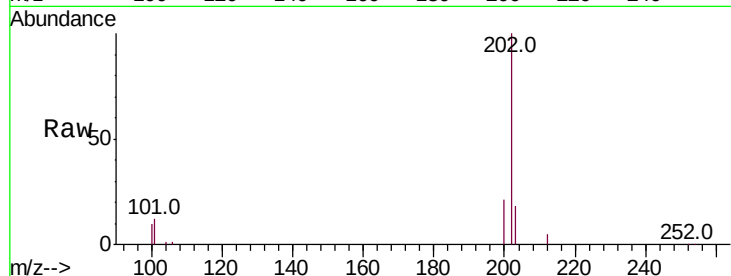
Tot Ion:202 Resp: 195333

Ion Ratio Lower Upper

202 100

101 12.3 10.1 15.1

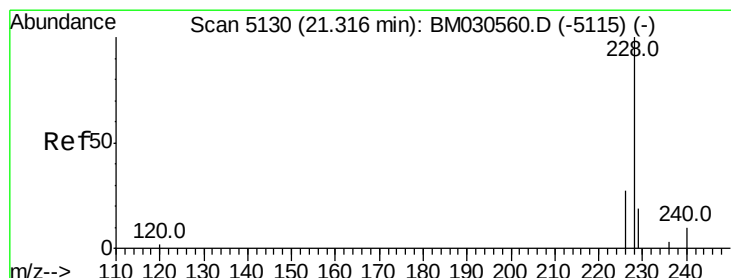
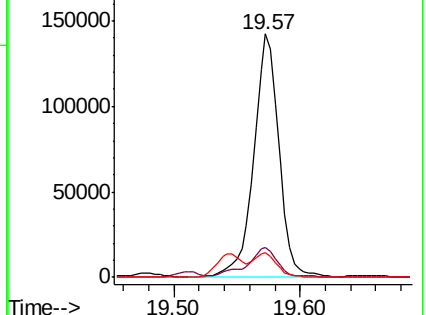
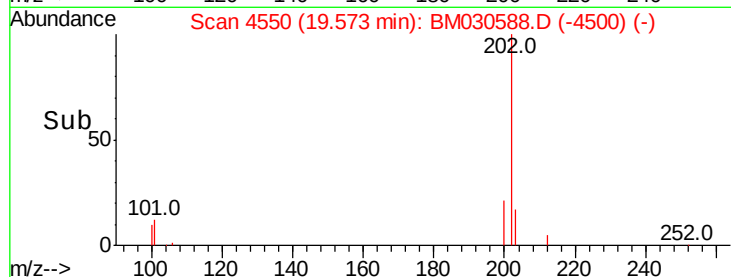
100 10.2 8.2 12.2



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: 2.324 ng/ul

RT: 21.31 min Scan# 5127

Delta R.T. -0.01 min

Lab File: BM030588.D

Acq: 24 Jun 2021 22:55

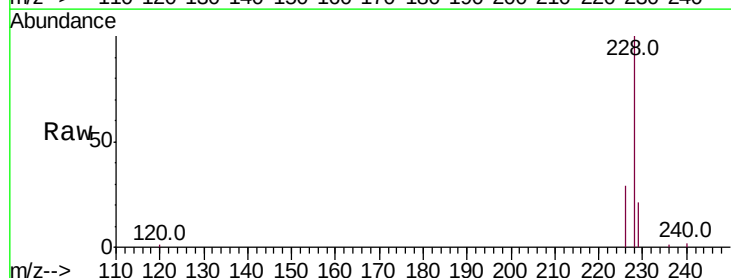
Tgt Ion:228 Resp: 149549

Ion Ratio Lower Upper

228 100

229 20.6 15.8 23.6

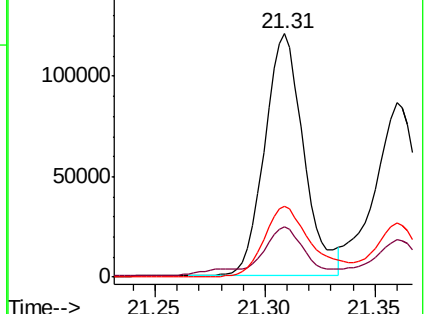
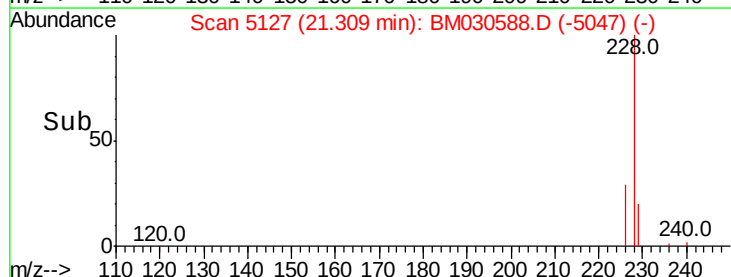
226 29.1 22.2 33.4

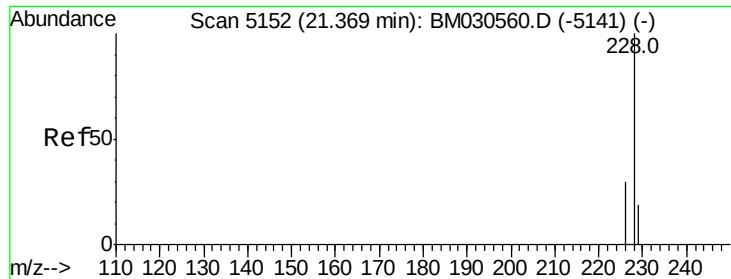


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#22

Chrysene

Concen: 1.681 ng/ul

RT: 21.36 min Scan# 5148

Delta R.T. -0.01 min

Lab File: BM030588.D

Acq: 24 Jun 2021 22:55

Instrument :

BNA_M

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BGDA1

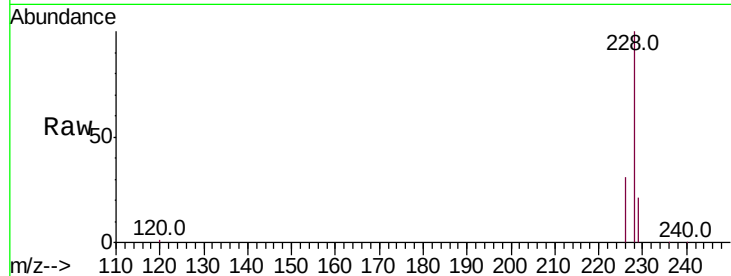
Tot Ion:228 Resp: 120101

Ion Ratio Lower Upper

228 100

226 31.0 24.4 36.6

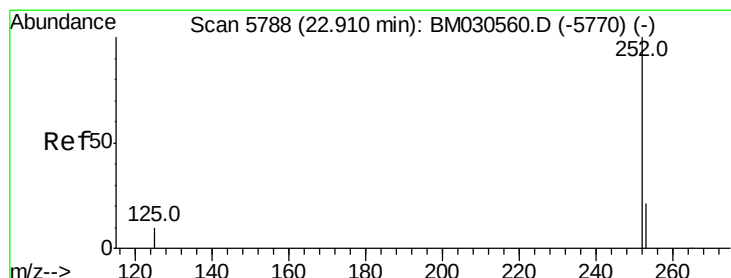
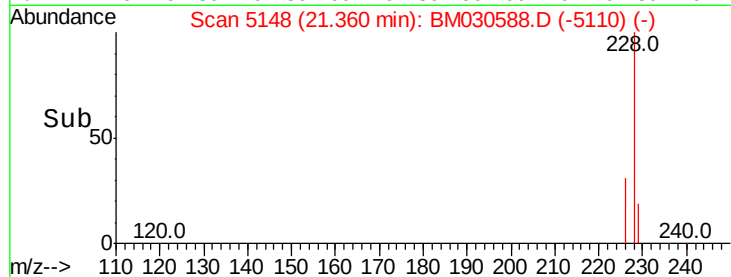
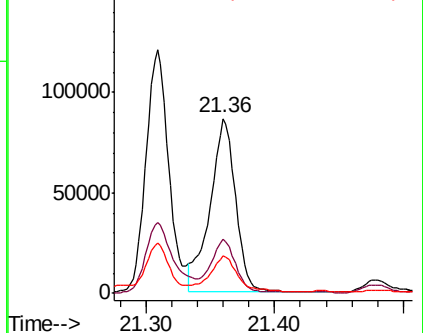
229 21.3 15.4 23.0



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: 2.892 ng/ul

RT: 22.90 min Scan# 5785

Delta R.T. -0.00 min

Lab File: BM030588.D

Acq: 24 Jun 2021 22:55

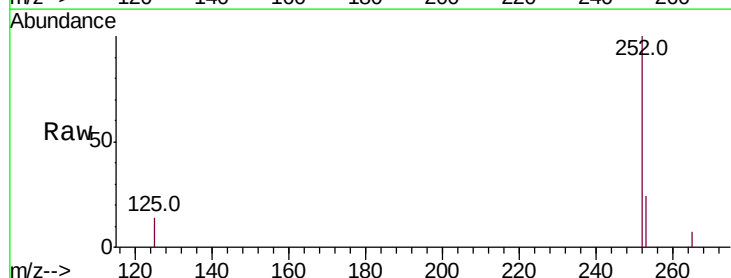
Tgt Ion:252 Resp: 175063

Ion Ratio Lower Upper

252 100

253 24.0 0.0 50.2

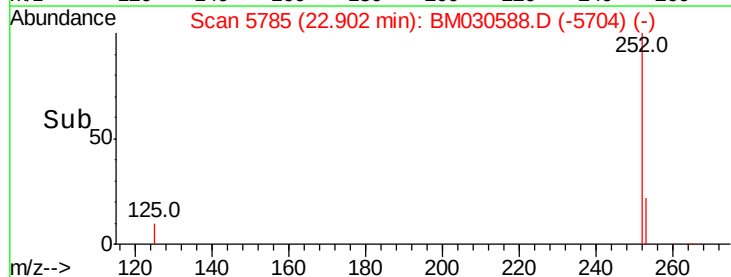
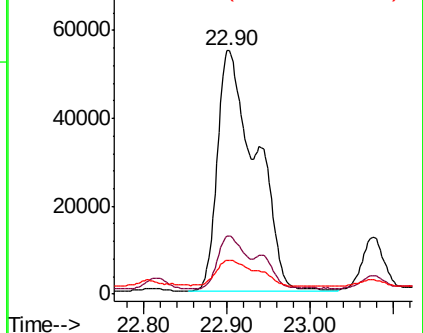
125 13.9 0.0 27.8

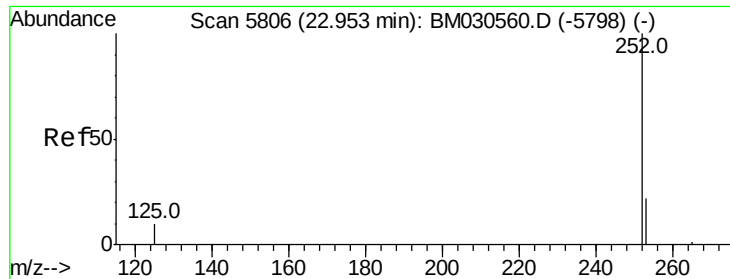


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 2.757 ng/ul

RT: 22.90 min Scan# 5785

Delta R.T. -0.05 min

Lab File: BM030588.D

Acq: 24 Jun 2021 22:55

Instrument :

BNA_M

ClientSampleId :

BGDA1

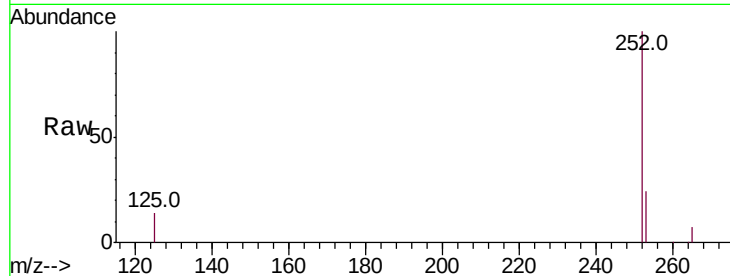
Tot Ion:252 Resp: 175063

Ion Ratio Lower Upper

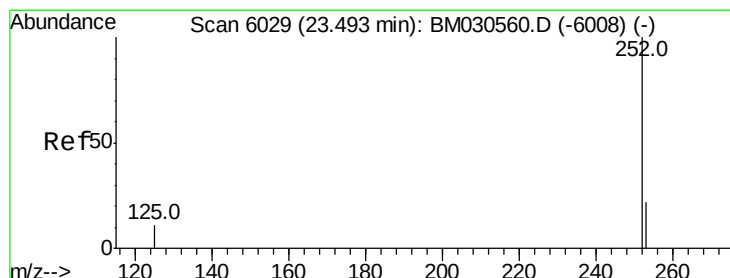
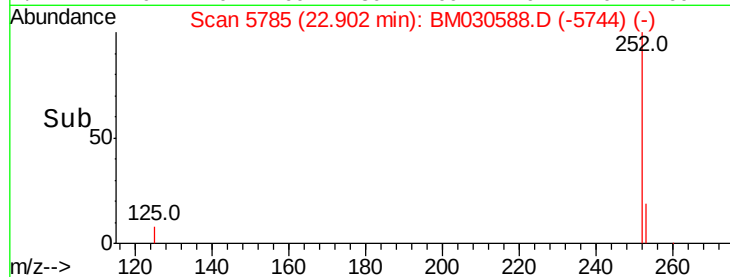
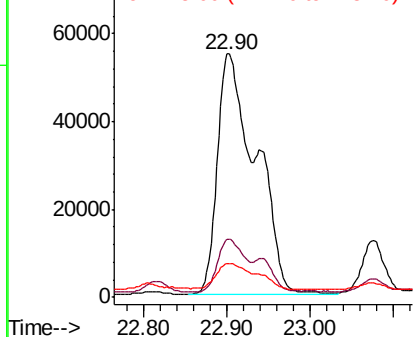
252 100

253 24.0 20.6 31.0

125 13.9 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: 0.715 ng/ul

RT: 23.48 min Scan# 6023

Delta R.T. -0.01 min

Lab File: BM030588.D

Acq: 24 Jun 2021 22:55

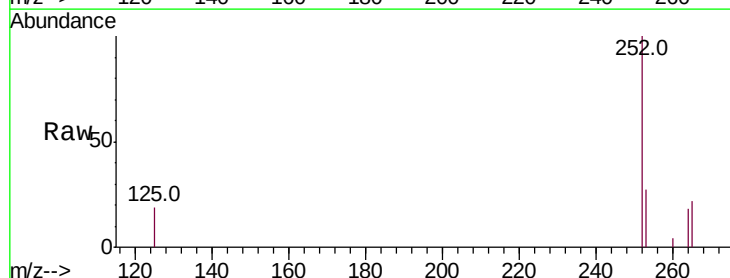
Tgt Ion:252 Resp: 38395

Ion Ratio Lower Upper

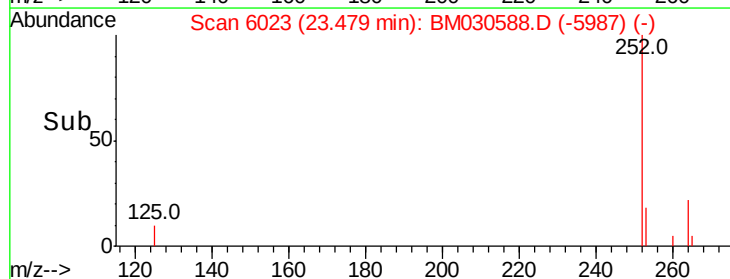
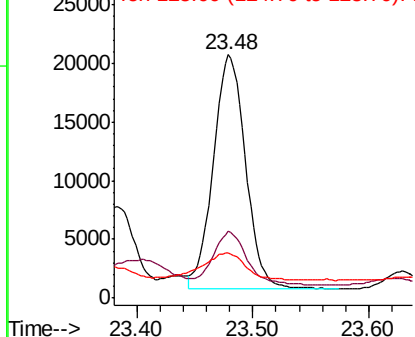
252 100

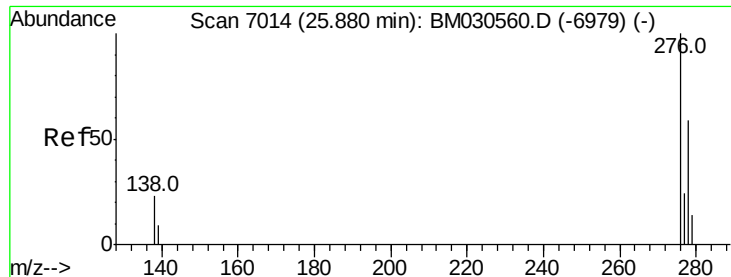
253 27.3 22.0 33.0

125 18.5 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

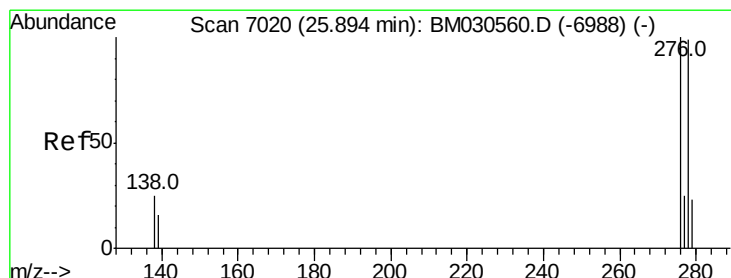
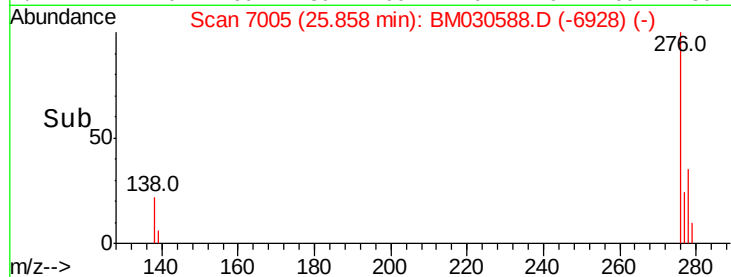
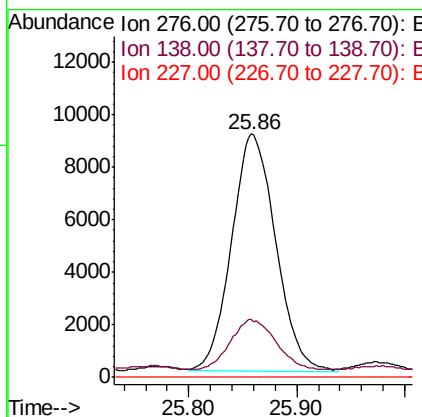
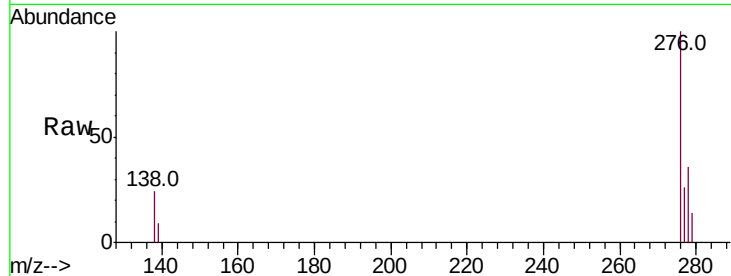




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.376 ng/ul
 RT: 25.86 min Scan# 7005
 Delta R.T. -0.01 min
 Lab File: BM030588.D
 Acq: 24 Jun 2021 22:55

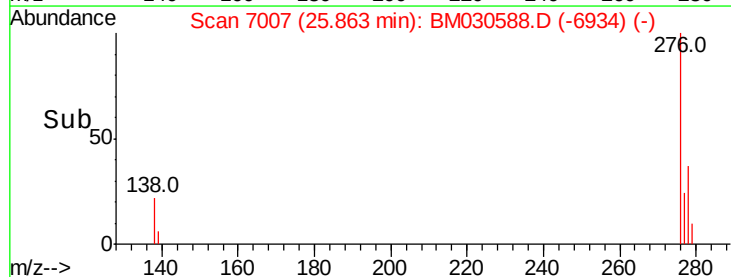
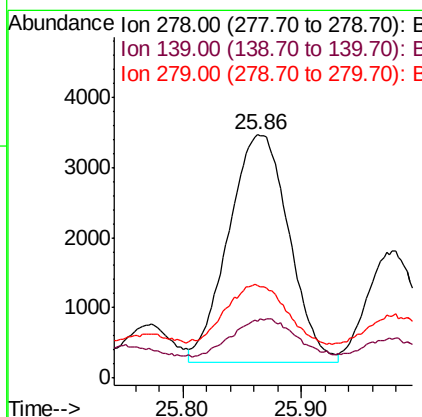
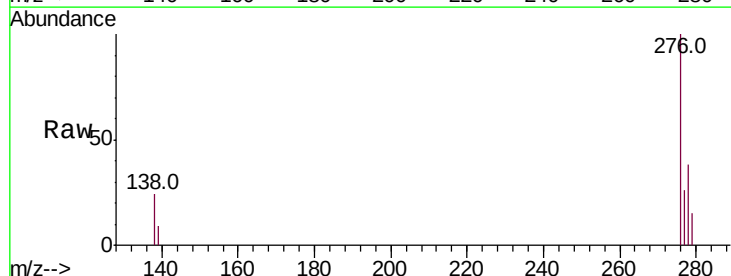
Instrument :
 BNA_M
 ClientSampleId :
 BGDA1

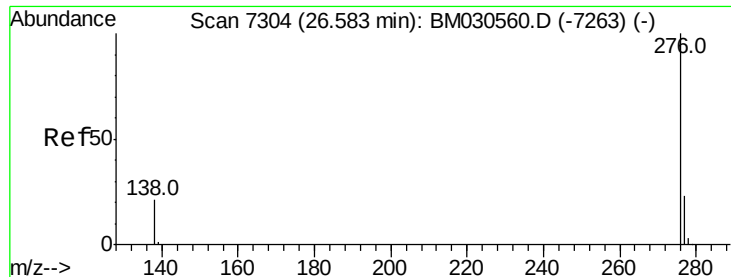
Tot Ion:276 Resp: 25699
 Ion Ratio Lower Upper
 276 100
 138 22.3 19.1 28.7
 227 0.0 0.0 0.0



#28
 Dibenzo(a,h)anthracene
 Concen: 0.211 ng/ul
 RT: 25.86 min Scan# 7007
 Delta R.T. -0.02 min
 Lab File: BM030588.D
 Acq: 24 Jun 2021 22:55

Tgt Ion:278 Resp: 11491
 Ion Ratio Lower Upper
 278 100
 139 23.5 14.2 21.4#
 279 37.9 21.6 32.4#





#29

Benzo(a,h,i)perylene

Concen: 0.020 ng/ul

RT: 26.56 min Scan# 7296

Delta R.T. -0.01 min

Lab File: BM030588.D

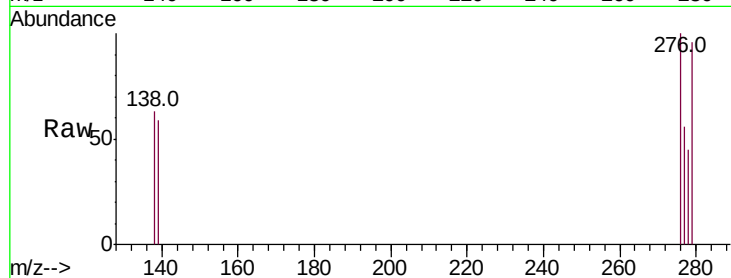
Acq: 24 Jun 2021 22:55

Instrument :

BNA_M

ClientSampleId :

BGDA1



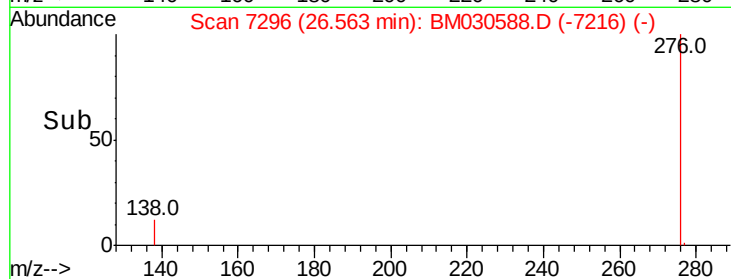
Tot Ion:276 Resp: 1194

Ion Ratio Lower Upper

276 100

138 62.9 18.0 27.0#

277 55.6 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

