

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062421\
 Data File : BM030586.D
 Acq On : 24 Jun 2021 21:42
 Operator : CG/JU
 Sample : M2662-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BGDE6

Quant Time: Jun 25 02:26:57 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

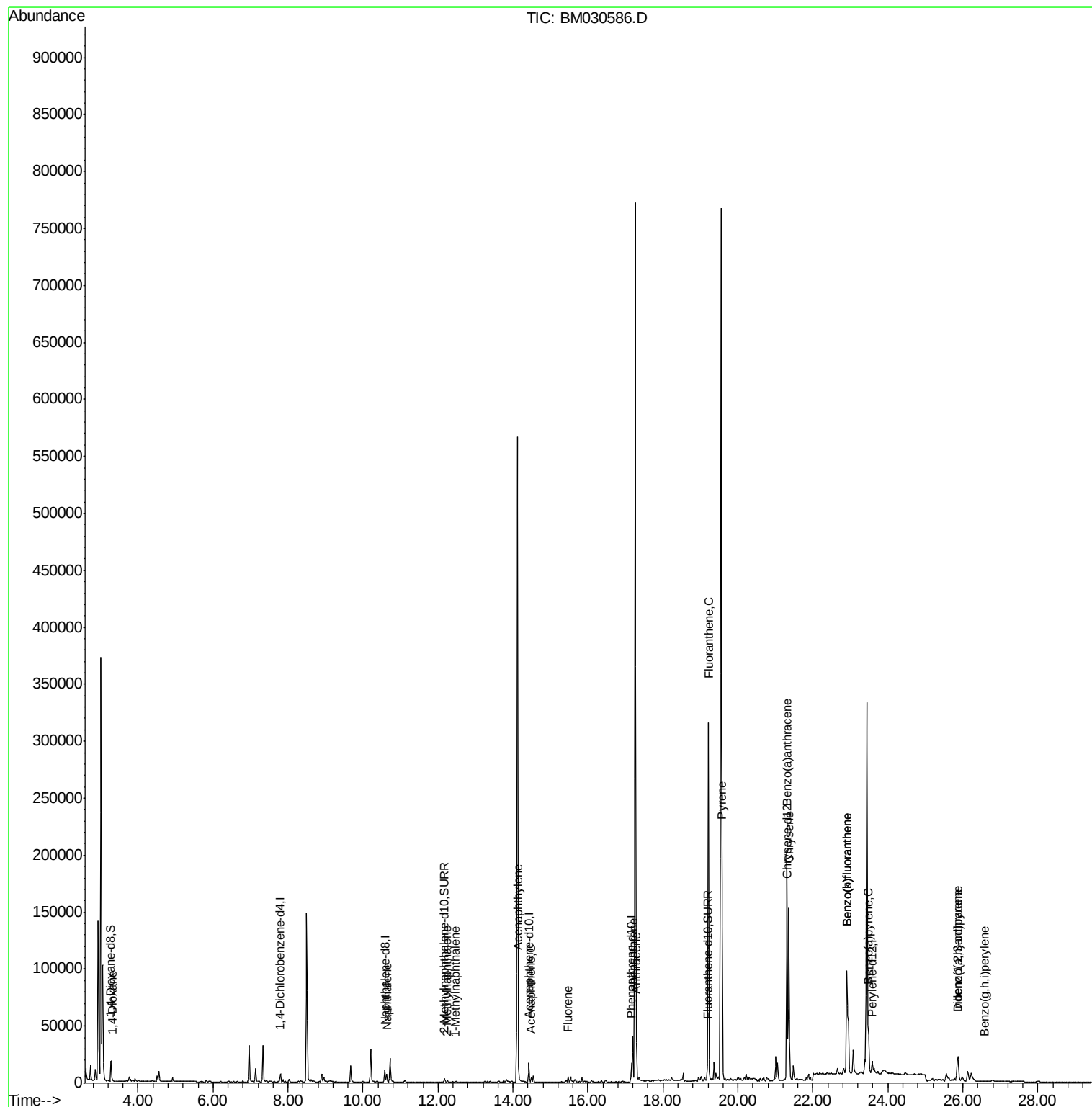
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	3520	0.40	ng/ul	0.00
4) Naphthalene-d8	10.58	136	14636	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.42	164	9287	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.16	188	18698	0.40	ng/ul	0.00
17) Chrysene-d12	21.33	240	16902	0.40	ng/ul	0.00
23) Perylene-d12	23.58	264	15586	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.28	96	12005	3.19	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.17	152	4770	0.20	ng/ul	0.00
18) Fluoranthene-d10	19.18	212	12214	0.24	ng/ul	0.00
Target Compounds					Ovalue	
2) 1,4-Dioxane	3.32	88	113	0.029	ng/ul#	40
5) Naphthalene	10.63	128	9920	0.228	ng/ul	99
7) 2-Methylnaphthalene	12.25	142	1244	0.042	ng/ul	95
8) 1-Methylnaphthalene	12.47	142	623	0.022	ng/ul	97
10) Acenaphthylene	14.14	152	5543	0.128	ng/ul	96
11) Acenaphthene	14.49	153	2320	0.066	ng/ul	99
12) Fluorene	15.47	166	2808	0.072	ng/ul#	96
15) Phenanthrene	17.20	178	42610	0.640	ng/ul	99
16) Anthracene	17.29	178	29194	0.501	ng/ul	99
19) Fluoranthene	19.21	202	268945	3.461	ng/ul	98
20) Pyrene	19.57	202	159299	2.001	ng/ul	100
21) Benzo(a)anthracene	21.31	228	170348	2.537	ng/ul	98
22) Chrysene	21.36	228	137762	1.848	ng/ul	98
24) Benzo(b)fluoranthene	22.90	252	217829	3.213	ng/ul	98
25) Benzo(k)fluoranthene	22.90	252	217829	3.063	ng/ul	97
26) Benzo(a)pyrene	23.48	252	49693	0.826	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.86	276	31699	0.414	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.87	278	14179	0.232	ng/ul#	85
29) Benzo(g,h,i)perylene	26.57	276	1375	0.021	ng/ul#	40

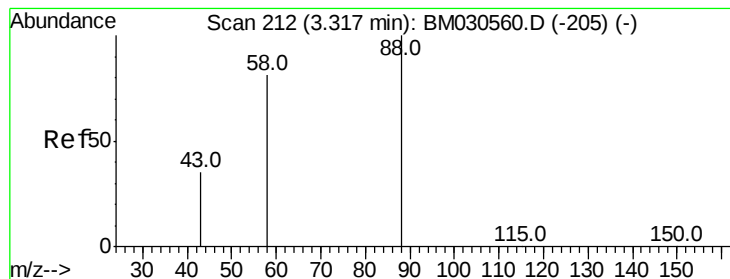
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.029 ng/ul

RT: 3.32 min Scan# 212

Delta R.T. 0.00 min

Lab File: BM030586.D

Acq: 24 Jun 2021 21:42

Instrument :

BNA_M

ClientSampleId :

BGDE6

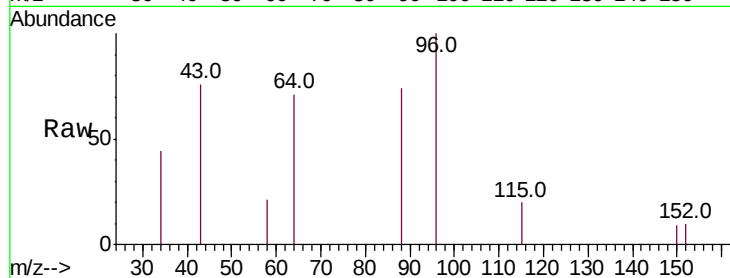
Tot Ion: 88 Resp: 113

Ion Ratio Lower Upper

88 100

43 103.3 37.7 56.5#

58 28.5 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) (-)

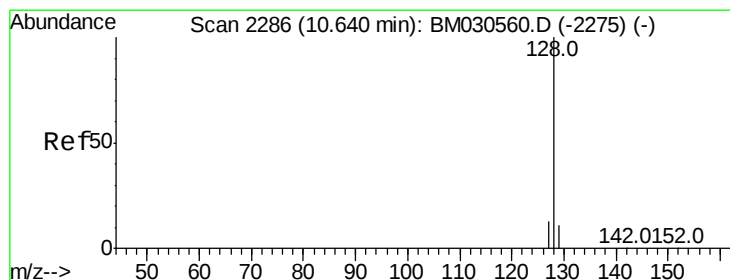
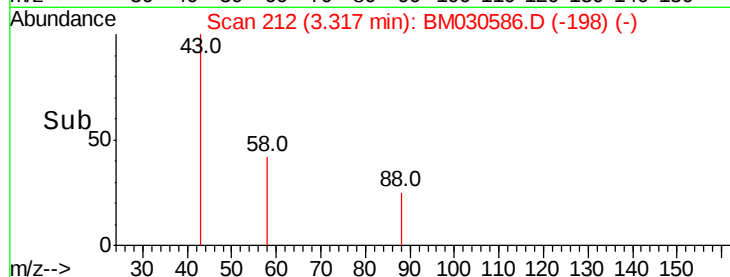
3.32

400

200

0

Time-->



#5

Naphthalene

Concen: 0.228 ng/ul

RT: 10.63 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BM030586.D

Acq: 24 Jun 2021 21:42

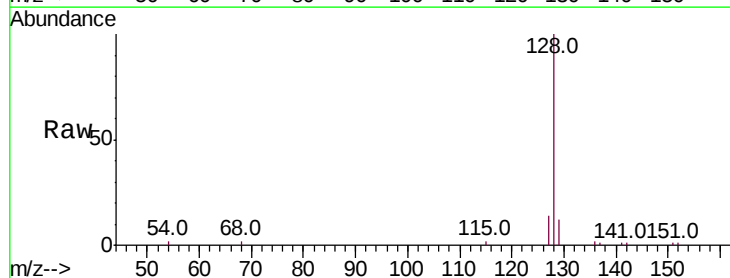
Tgt Ion: 128 Resp: 9920

Ion Ratio Lower Upper

128 100

129 12.1 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) (-)

10.63

8000

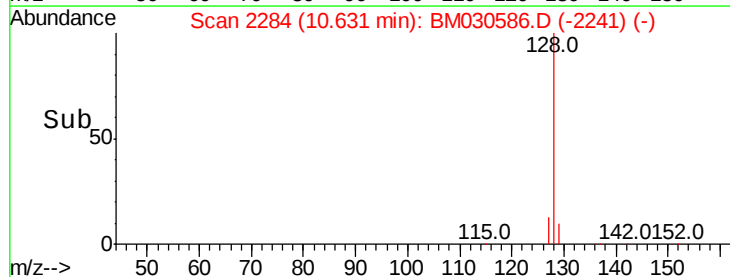
6000

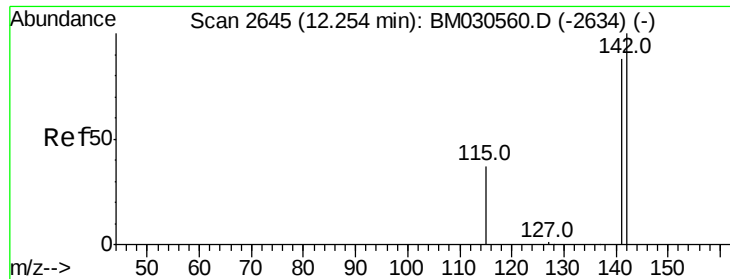
4000

2000

0

Time-->





#7

2-Methylnaphthalene

Concen: 0.042 ng/ul

RT: 12.25 min Scan# 2644

Delta R.T. -0.00 min

Lab File: BM030586.D

Acq: 24 Jun 2021 21:42

Instrument :

BNA_M

ClientSampleId :

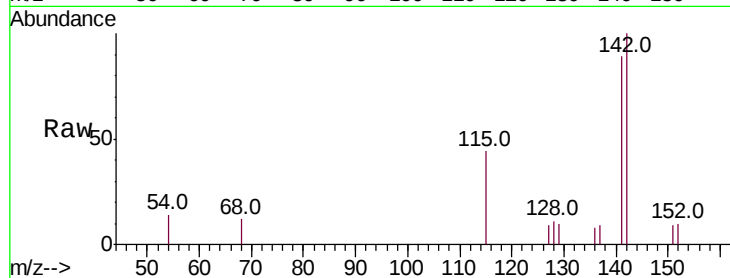
BGDE6

Tot Ion:142 Resp: 1244

Ion Ratio Lower Upper

142 100

141 84.9 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

800

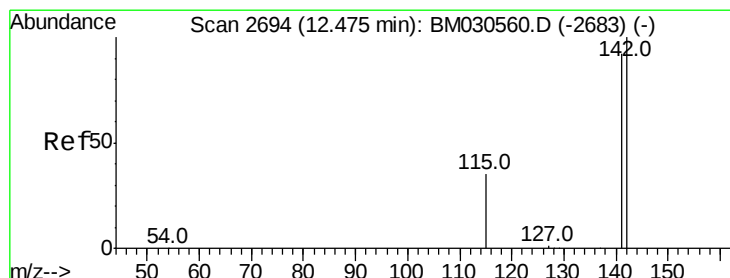
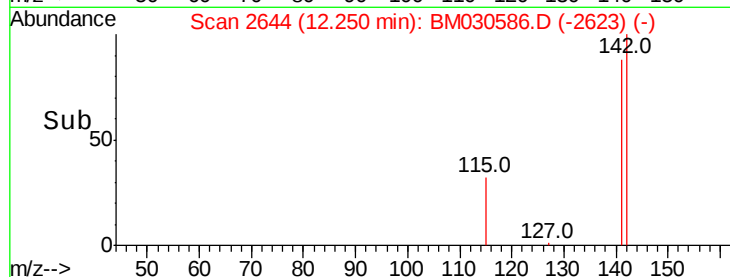
600

400

200

0

Time-->



#8

1-Methylnaphthalene

Concen: 0.022 ng/ul

RT: 12.47 min Scan# 2693

Delta R.T. 0.00 min

Lab File: BM030586.D

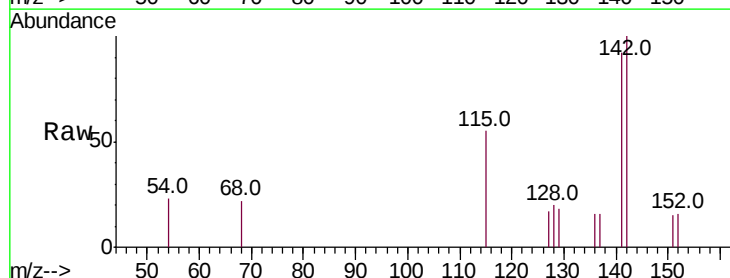
Acq: 24 Jun 2021 21:42

Tgt Ion:142 Resp: 623

Ion Ratio Lower Upper

142 100

141 94.2 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

500

400

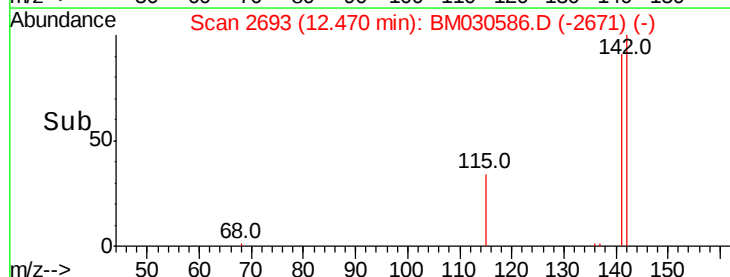
300

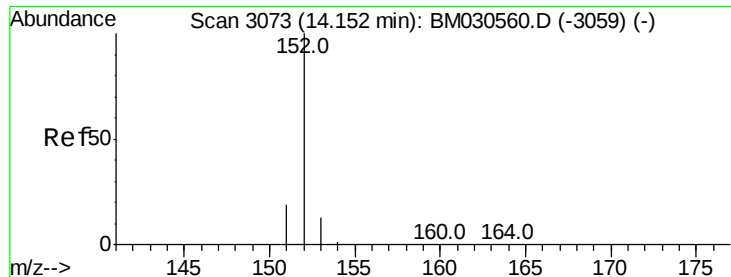
200

100

0

Time-->





#10

Acenaphthylene

Concen: 0.128 ng/ul

RT: 14.14 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BM030586.D

Acq: 24 Jun 2021 21:42

Instrument :

BNA_M

ClientSampleId :

BGDE6

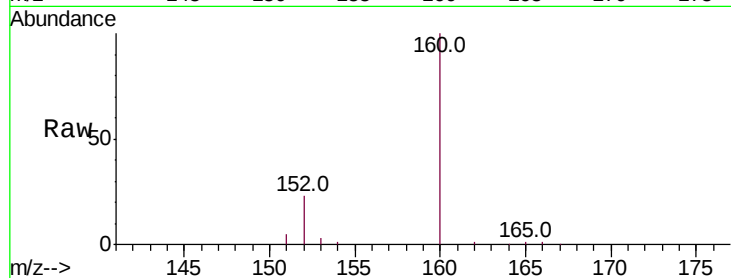
Tot Ion:152 Resp: 5543

Ion Ratio Lower Upper

152 100

151 20.9 15.5 23.3

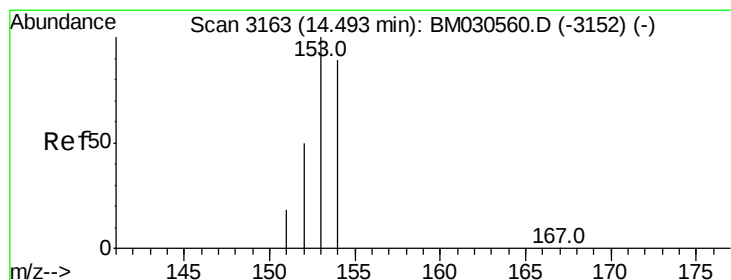
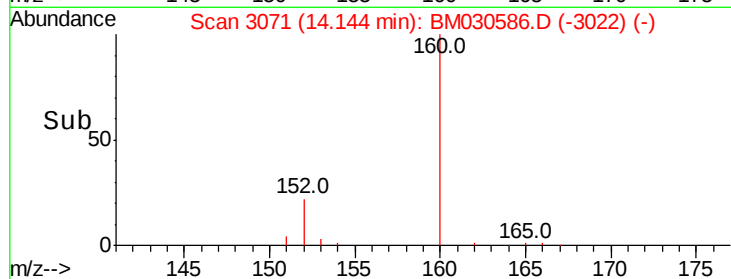
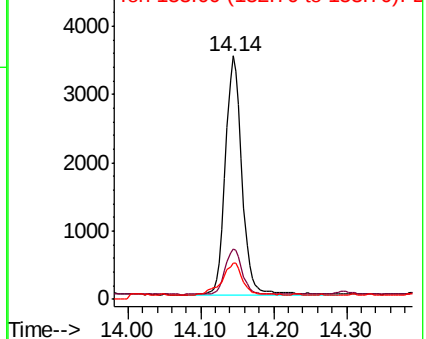
153 14.9 10.7 16.1



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: 0.066 ng/ul

RT: 14.49 min Scan# 3162

Delta R.T. 0.00 min

Lab File: BM030586.D

Acq: 24 Jun 2021 21:42

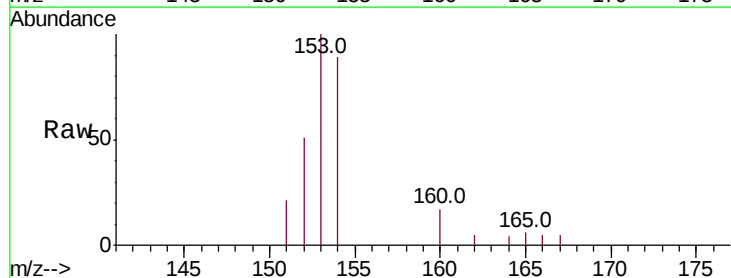
Tgt Ion:153 Resp: 2320

Ion Ratio Lower Upper

153 100

152 51.4 40.2 60.2

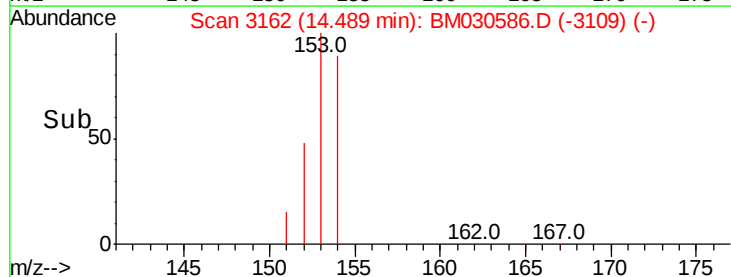
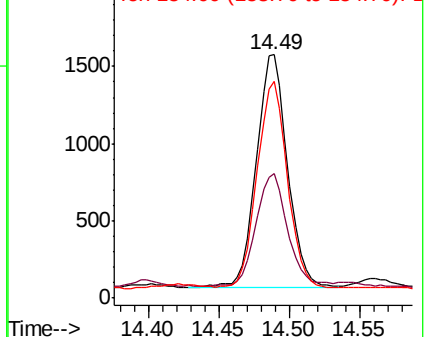
154 89.3 71.2 106.8

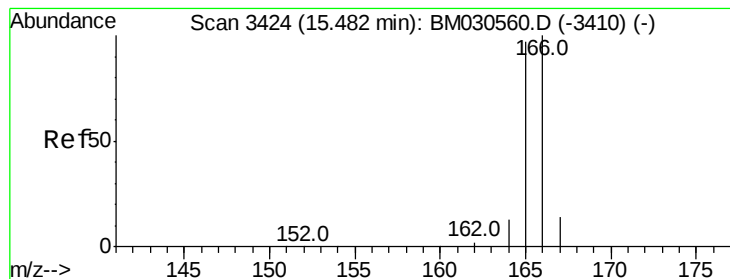


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





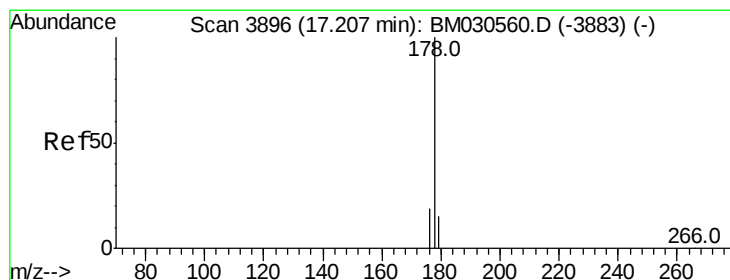
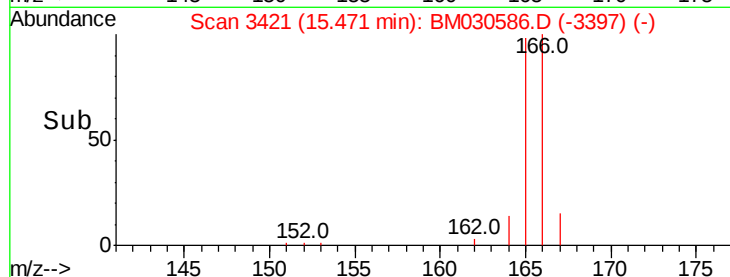
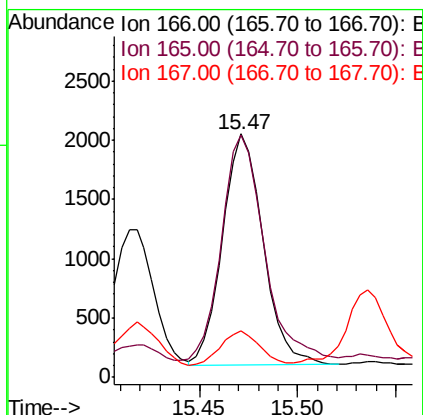
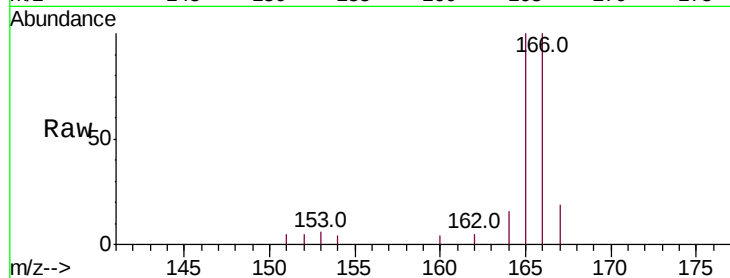
#12

Fluorene

Concen: 0.072 ng/ul
 RT: 15.47 min Scan# 3421
 Delta R.T. -0.01 min
 Lab File: BM030586.D
 Acq: 24 Jun 2021 21:42

Instrument :
 BNA_M
 ClientSampleId :
 BGDE6

Tot Ion:166 Resp: 2808
 Ion Ratio Lower Upper
 166 100
 165 99.8 77.7 116.5
 167 18.9 11.3 16.9#

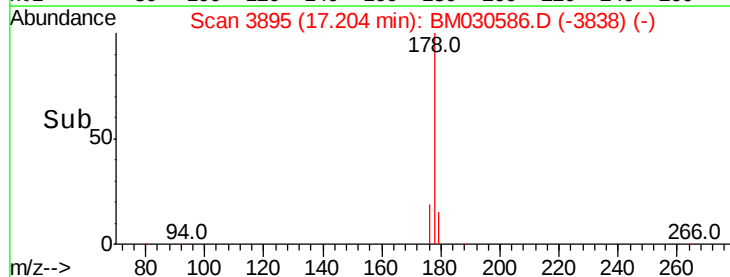
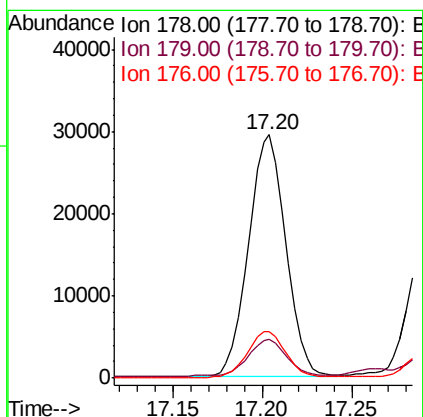
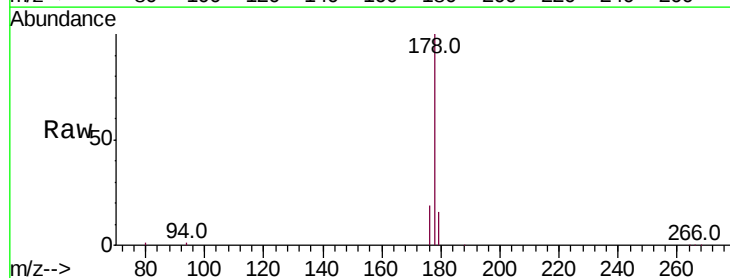


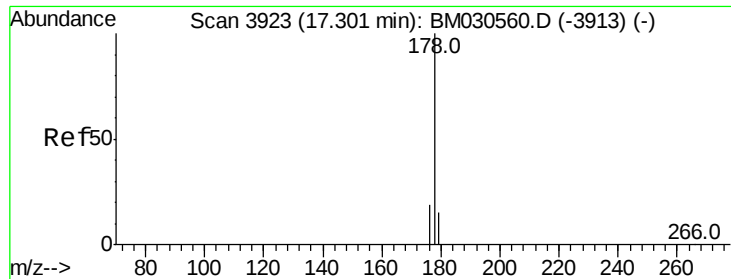
#15

Phenanthrene

Concen: 0.640 ng/ul
 RT: 17.20 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: BM030586.D
 Acq: 24 Jun 2021 21:42

Tgt Ion:178 Resp: 42610
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.6 19.0
 176 19.2 15.5 23.3

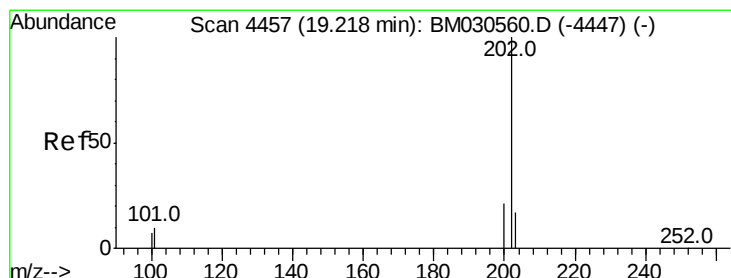
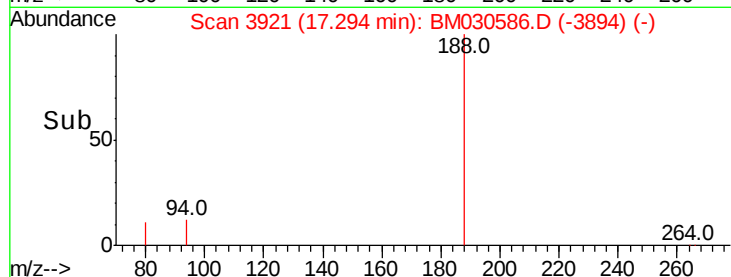
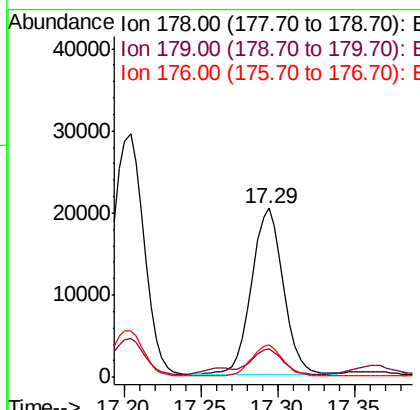
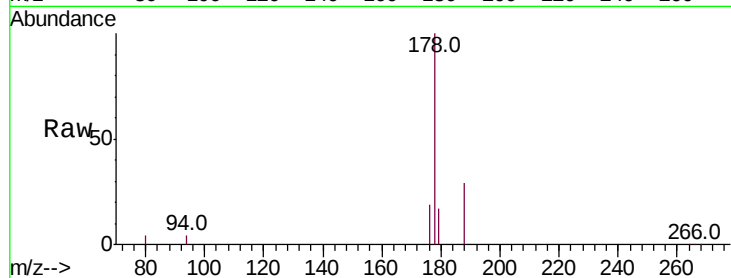




#16
 Anthracene
 Concen: 0.501 ng/ul
 RT: 17.29 min Scan# 3921
 Delta R.T. -0.01 min
 Lab File: BM030586.D
 Acq: 24 Jun 2021 21:42

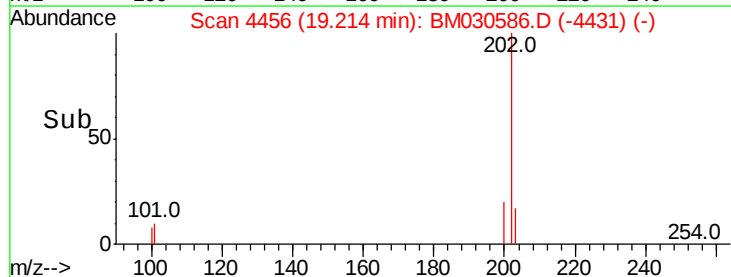
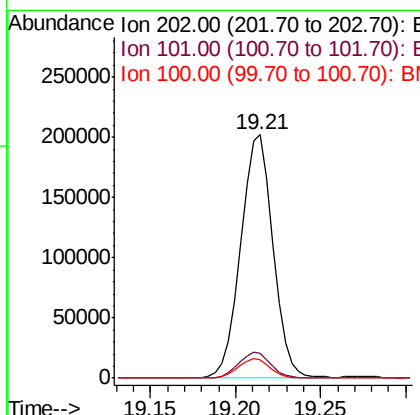
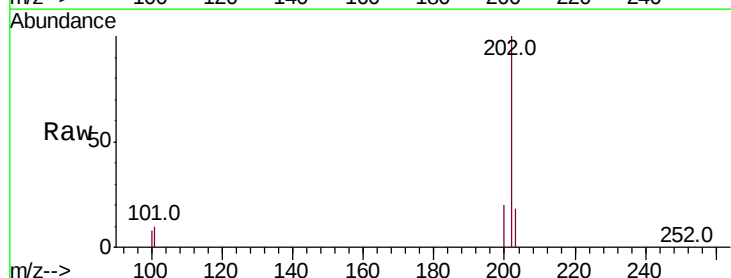
Instrument :
 BNA_M
 ClientSampleId :
 BGDE6

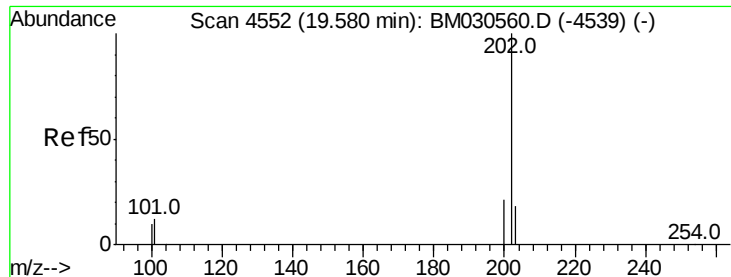
Tot Ion:178 Resp: 29194
 Ion Ratio Lower Upper
 178 100
 179 16.8 12.7 19.1
 176 18.9 15.2 22.8



#19
 Fluoranthene
 Concen: 3.461 ng/ul
 RT: 19.21 min Scan# 4456
 Delta R.T. -0.00 min
 Lab File: BM030586.D
 Acq: 24 Jun 2021 21:42

Tgt Ion:202 Resp: 268945
 Ion Ratio Lower Upper
 202 100
 101 10.2 8.8 13.2
 100 7.7 6.9 10.3





#20

Pvrene

Concen: 2.001 ng/ul

RT: 19.57 min Scan# 4550

Delta R.T. -0.01 min

Lab File: BM030586.D

Acq: 24 Jun 2021 21:42

Instrument :

BNA_M

ClientSampleId :

BGDE6

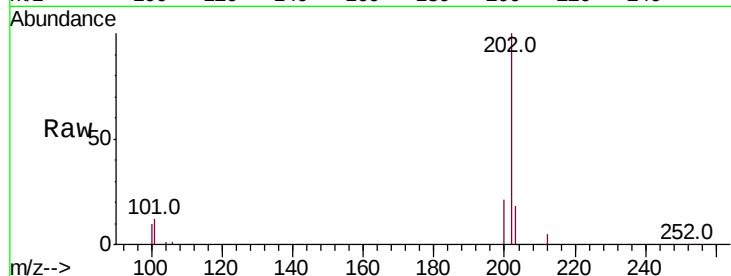
Tot Ion:202 Resp: 159299

Ion Ratio Lower Upper

202 100

101 12.4 10.1 15.1

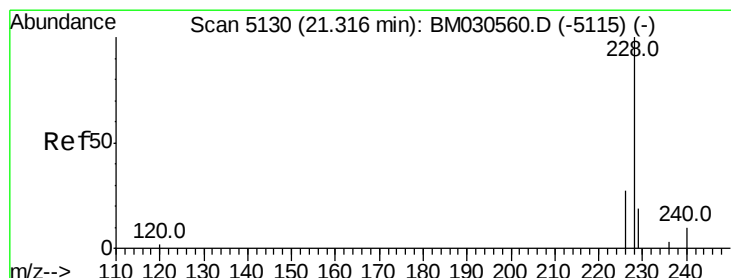
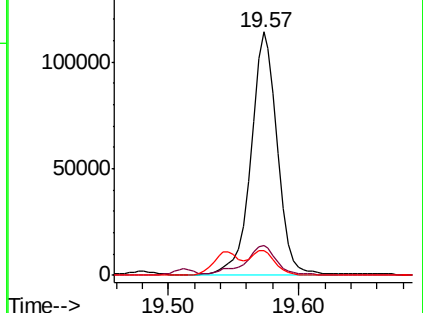
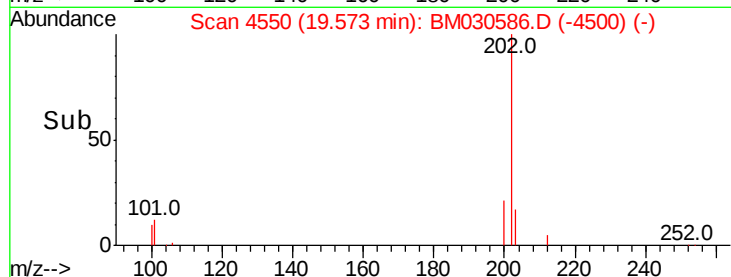
100 10.1 8.2 12.2



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: 2.537 ng/ul

RT: 21.31 min Scan# 5128

Delta R.T. -0.00 min

Lab File: BM030586.D

Acq: 24 Jun 2021 21:42

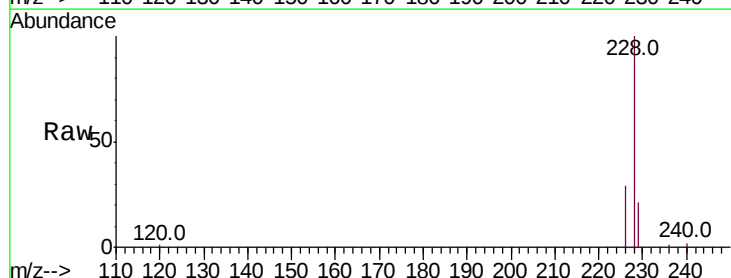
Tgt Ion:228 Resp: 170348

Ion Ratio Lower Upper

228 100

229 20.6 15.8 23.6

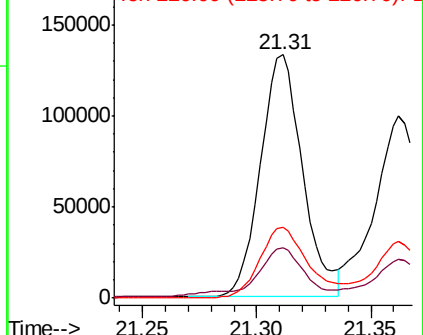
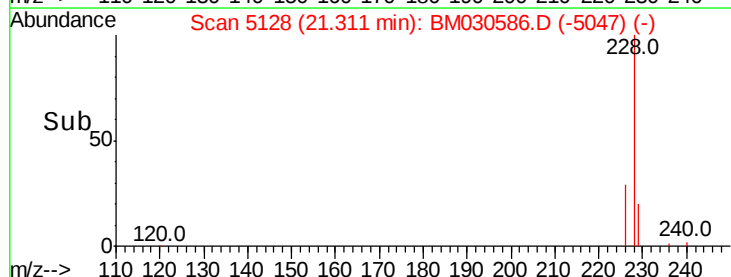
226 29.0 22.2 33.4

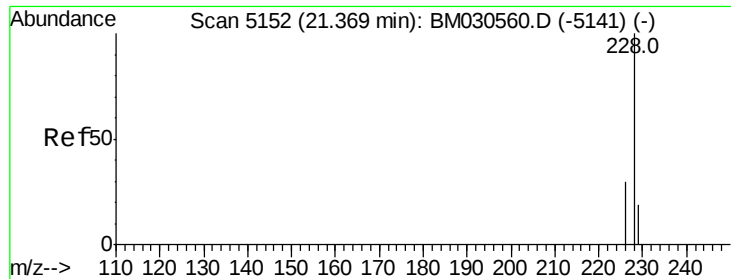


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#22

Chrysene

Concen: 1.848 ng/ul

RT: 21.36 min Scan# 5149

Delta R.T. -0.00 min

Lab File: BM030586.D

Acq: 24 Jun 2021 21:42

Instrument :

BNA_M

ClientSampleId :

BGDE6

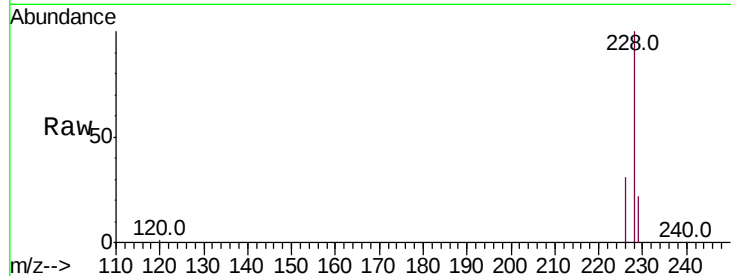
Tot Ion:228 Resp: 137762

Ion Ratio Lower Upper

228 100

226 31.0 24.4 36.6

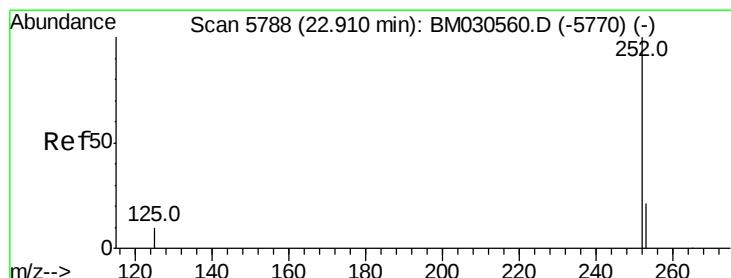
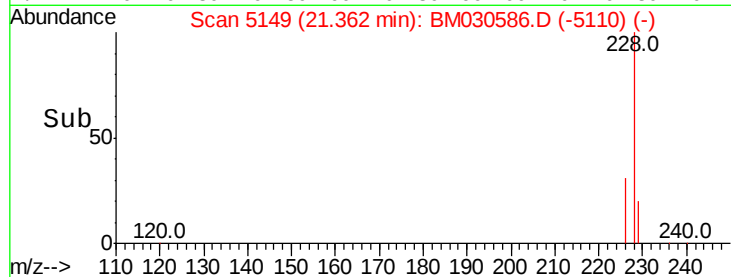
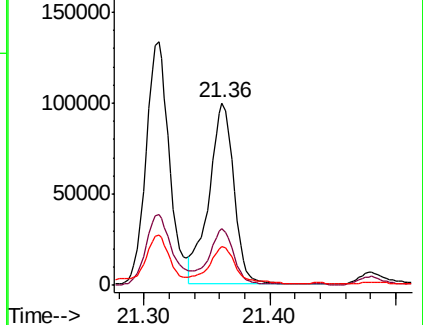
229 21.5 15.4 23.0



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: 3.213 ng/ul

RT: 22.90 min Scan# 5786

Delta R.T. -0.00 min

Lab File: BM030586.D

Acq: 24 Jun 2021 21:42

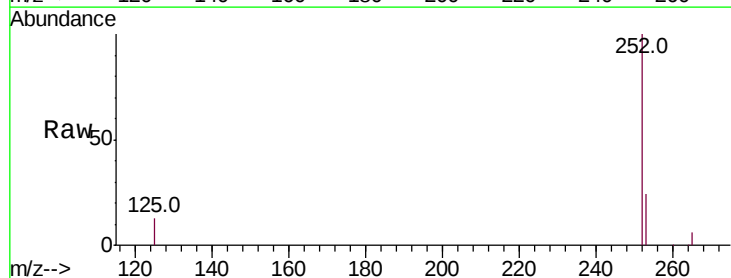
Tgt Ion:252 Resp: 217829

Ion Ratio Lower Upper

252 100

253 23.6 0.0 50.2

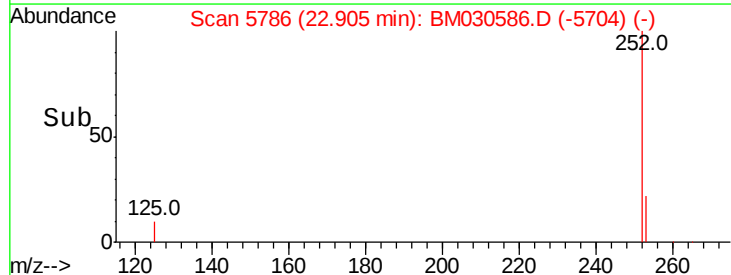
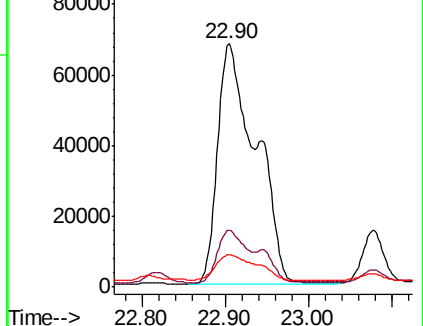
125 13.4 0.0 27.8

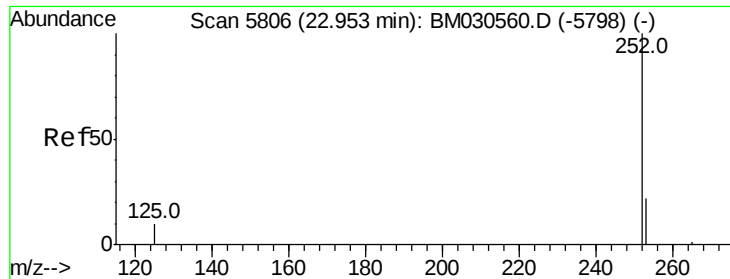


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 3.063 ng/ul

RT: 22.90 min Scan# 5786

Delta R.T. -0.05 min

Lab File: BM030586.D

Acq: 24 Jun 2021 21:42

Instrument :

BNA_M

ClientSampleId :

BGDE6

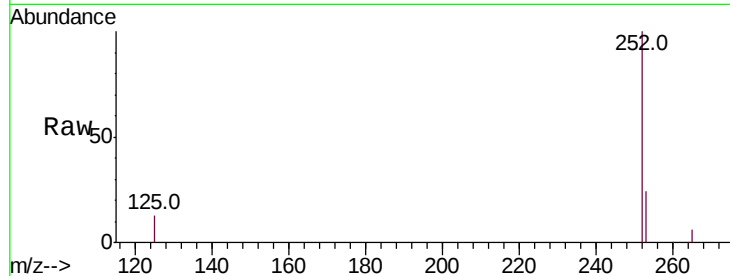
Tot Ion:252 Resp: 217829

Ion Ratio Lower Upper

252 100

253 23.6 20.6 31.0

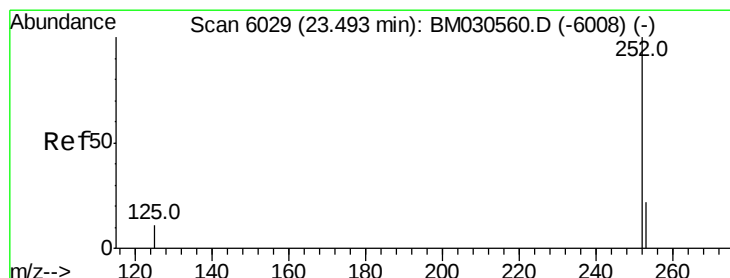
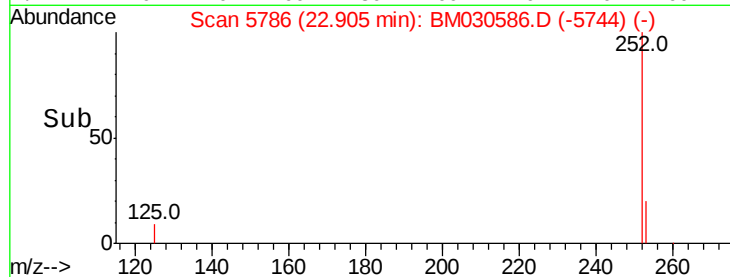
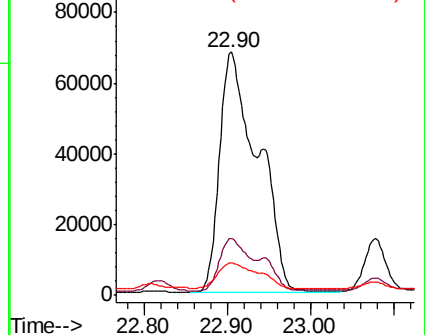
125 13.4 11.0 16.4



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: 0.826 ng/ul

RT: 23.48 min Scan# 6024

Delta R.T. -0.01 min

Lab File: BM030586.D

Acq: 24 Jun 2021 21:42

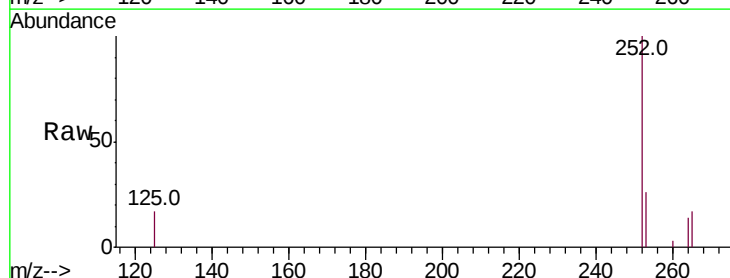
Tgt Ion:252 Resp: 49693

Ion Ratio Lower Upper

252 100

253 26.1 22.0 33.0

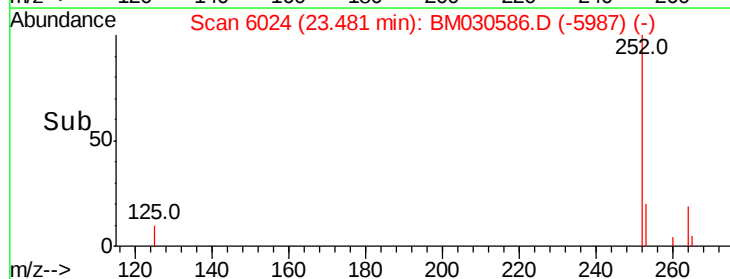
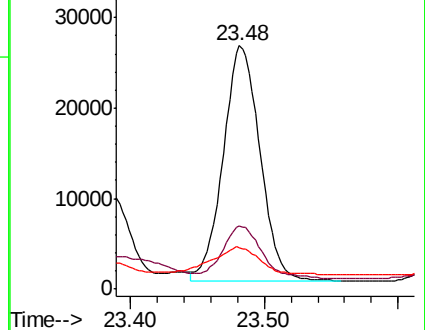
125 17.1 13.4 20.2

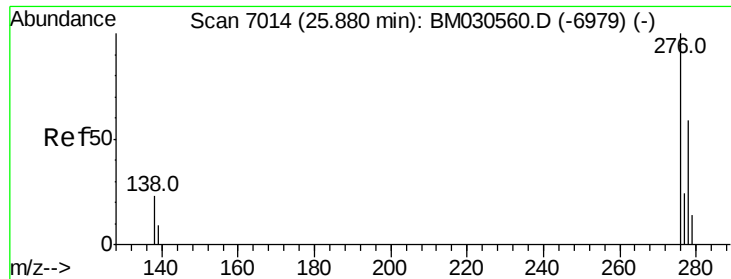


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

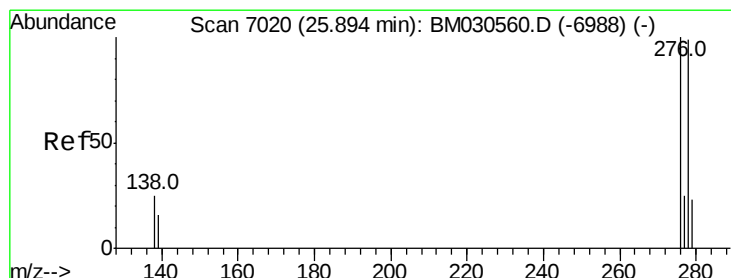
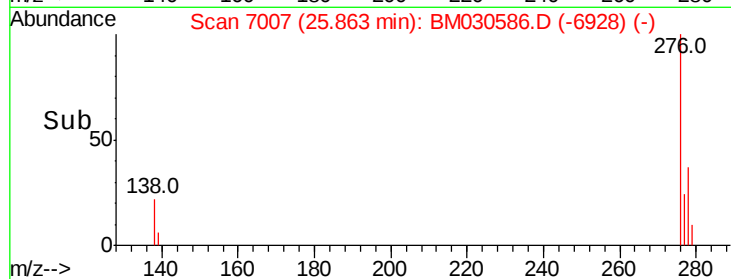
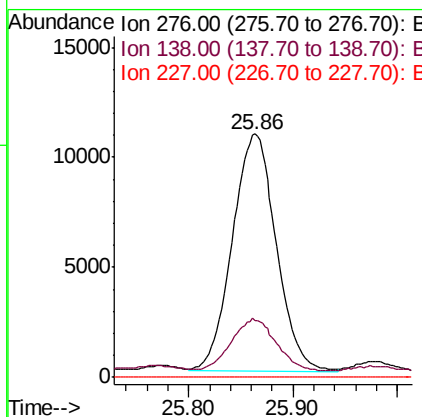
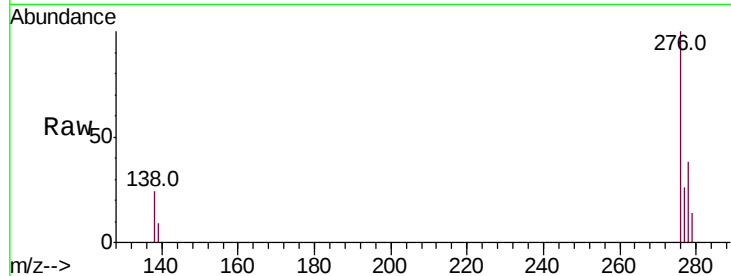




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.414 ng/ul
 RT: 25.86 min Scan# 7007
 Delta R.T. -0.01 min
 Lab File: BM030586.D
 Acq: 24 Jun 2021 21:42

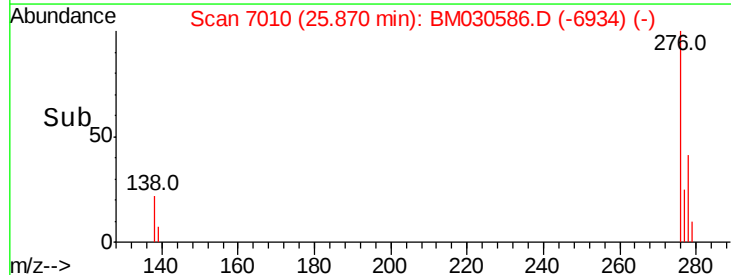
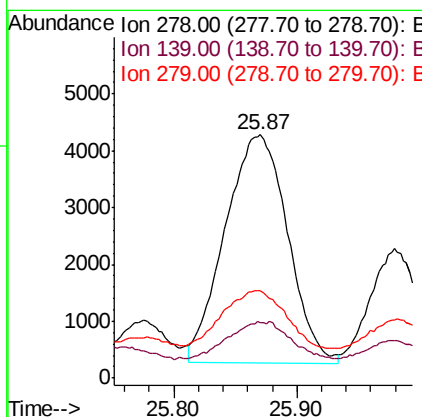
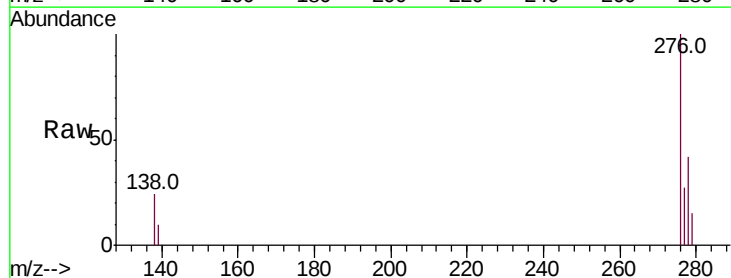
Instrument :
 BNA_M
 ClientSampleId :
 BGDE6

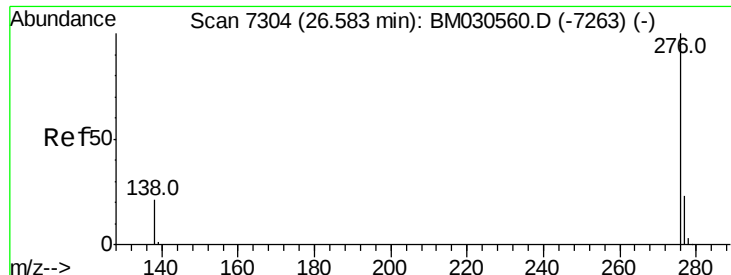
Tot Ion:276 Resp: 31699
 Ion Ratio Lower Upper
 276 100
 138 22.1 19.1 28.7
 227 0.0 0.0 0.0



#28
 Dibenzo(a,h)anthracene
 Concen: 0.232 ng/ul
 RT: 25.87 min Scan# 7010
 Delta R.T. -0.02 min
 Lab File: BM030586.D
 Acq: 24 Jun 2021 21:42

Tgt Ion:278 Resp: 14179
 Ion Ratio Lower Upper
 278 100
 139 22.7 14.2 21.4#
 279 36.0 21.6 32.4#





#29

Benzo(a,h,i)perylene

Concen: 0.021 ng/ul

RT: 26.57 min Scan# 7297

Delta R.T. -0.00 min

Lab File: BM030586.D

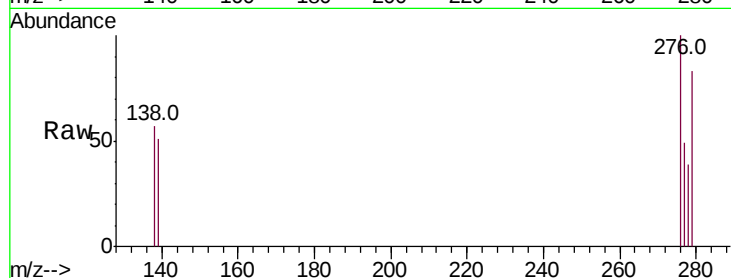
Acq: 24 Jun 2021 21:42

Instrument :

BNA_M

ClientSampleId :

BGDE6



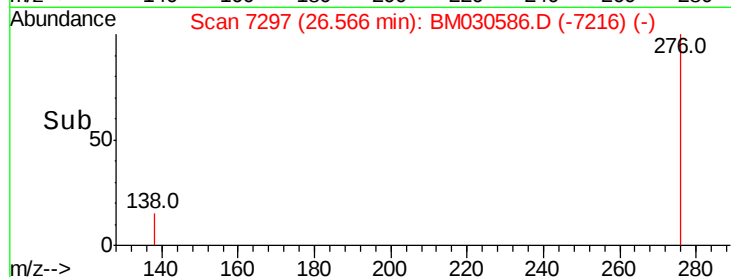
Tot Ion:276 Resp: 1375

Ion Ratio Lower Upper

276 100

138 57.3 18.0 27.0#

277 49.0 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

