

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121120\
 Data File : BM028108.D
 Acq On : 11 Dec 2020 20:23
 Operator : JU/CG
 Sample : SSTD3.203
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.2031

Quant Time: Dec 12 02:55:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM121120.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 12 02:45:43 2020
 Response via : Initial Calibration

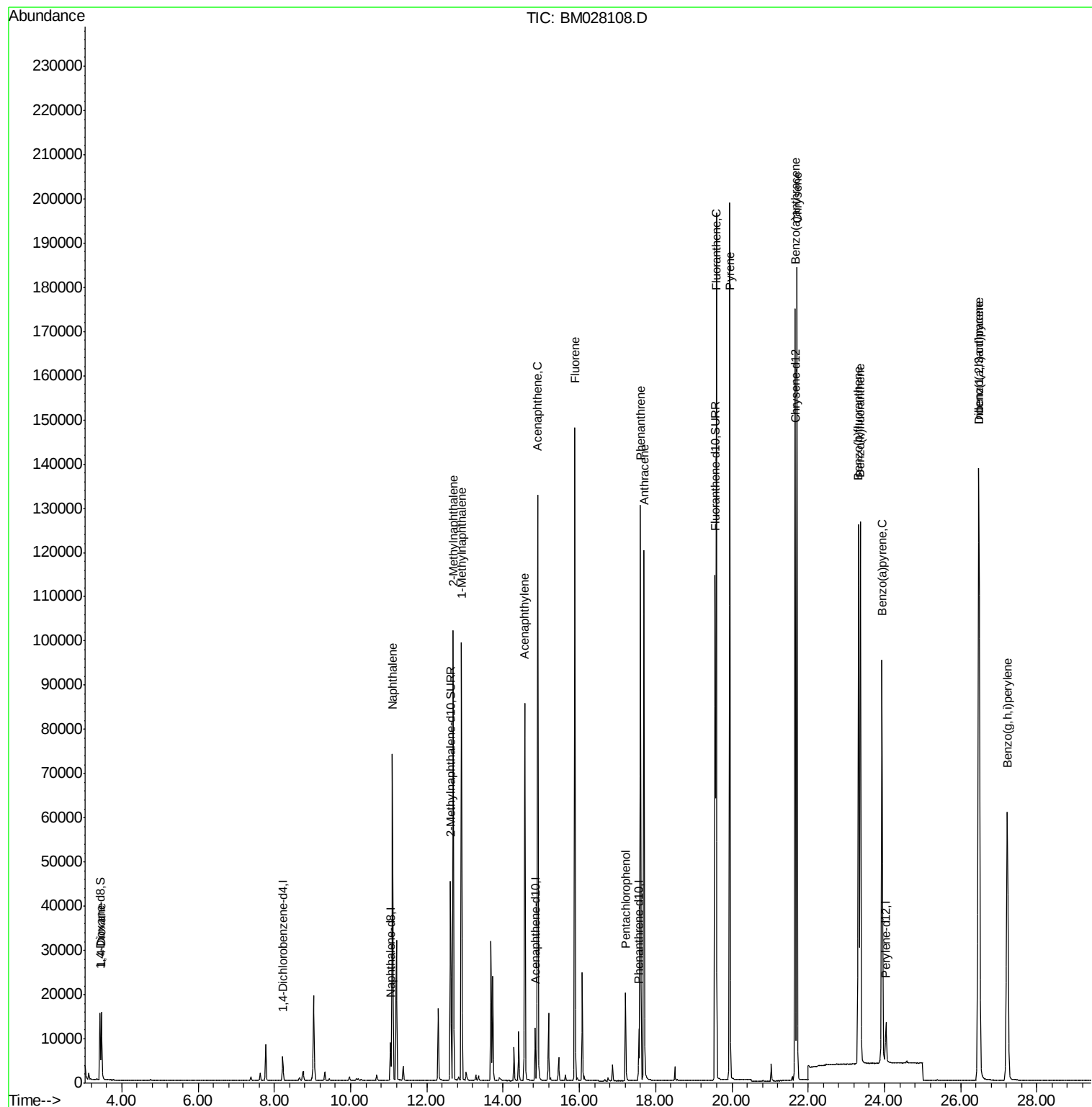
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	2688	0.40	ng/ul	0.00
4) Naphthalene-d8	11.05	136	11093	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.85	164	6580	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.56	188	13425	0.40	ng/ul	0.00
17) Chrysene-d12	21.67	240	13892	0.40	ng/ul	0.00
23) Perylene-d12	24.04	264	12019	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.42	96	9361	3.41	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.62	152	55132	2.99	ng/ul	0.00
18) Fluoranthene-d10	19.56	212	118342	2.77	ng/ul	0.00
Target Compounds					Ovalue	
2) 1,4-Dioxane	3.46	88	10187	3.433	ng/ul	90
5) Naphthalene	11.10	128	98179	3.123	ng/ul	99
7) 2-Methylnaphthalene	12.69	142	68065	3.142	ng/ul	99
8) 1-Methylnaphthalene	12.91	142	64929	3.173	ng/ul	100
10) Acenaphthylene	14.57	152	91544	3.114	ng/ul	99
11) Acenaphthene	14.91	153	74744	3.346	ng/ul	99
12) Fluorene	15.88	166	88012	3.333	ng/ul	99
14) Pentachlorophenol	17.21	266	12372	2.795	ng/ul	99
15) Phenanthrene	17.60	178	135538	3.459	ng/ul	99
16) Anthracene	17.69	178	129079	3.357	ng/ul	99
19) Fluoranthene	19.59	202	159520	2.933	ng/ul	99
20) Pyrene	19.95	202	158456	2.923	ng/ul	100
21) Benzo(a)anthracene	21.66	228	147832	2.910	ng/ul	100
22) Chrysene	21.71	228	153389	2.942	ng/ul	99
24) Benzo(b)fluoranthene	23.32	252	154706	3.202	ng/ul	91
25) Benzo(k)fluoranthene	23.37	252	151957	3.158	ng/ul#	90
26) Benzo(a)pyrene	23.94	252	134863	3.082	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.47	276	155443	3.022	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.48	278	130344	3.047	ng/ul	94
29) Benzo(g,h,i)perylene	27.22	276	129917	3.000	ng/ul	97

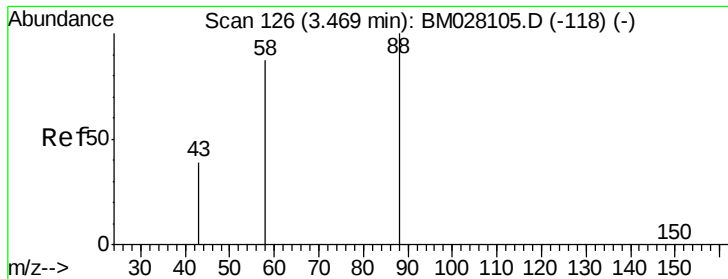
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 3.433 ng/ul

RT: 3.46 min Scan# 124

Delta R.T. -0.01 min

Lab File: BM028108.D

Acq: 11 Dec 2020 20:23

Instrument :

BNA_M

ClientSampleId :

SSTD3.2031

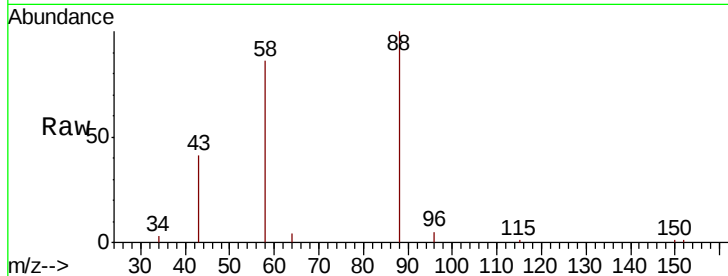
Tot Ion: 88 Resp: 10187

Ion Ratio Lower Upper

88 100

43 40.8 39.5 59.3

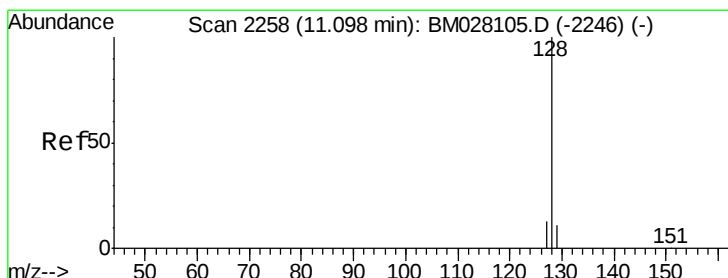
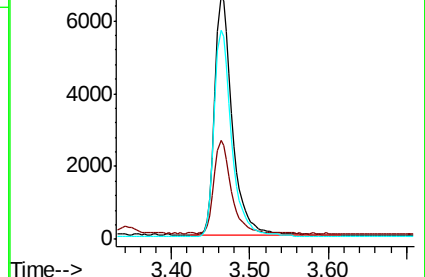
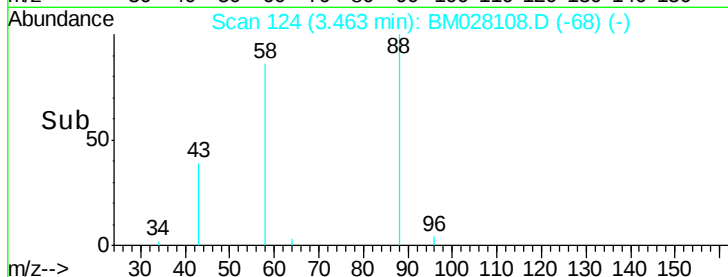
58 85.7 62.8 94.2



Abundance Ion 88.00 (87.70 to 88.70): BM028108.D (-118) (-)

Ion 43.00 (42.70 to 43.70): BM028108.D (-118) (-)

Ion 58.00 (57.70 to 58.70): BM028108.D (-118) (-)



#5

Naphthalene

Concen: 3.123 ng/ul

RT: 11.10 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BM028108.D

Acq: 11 Dec 2020 20:23

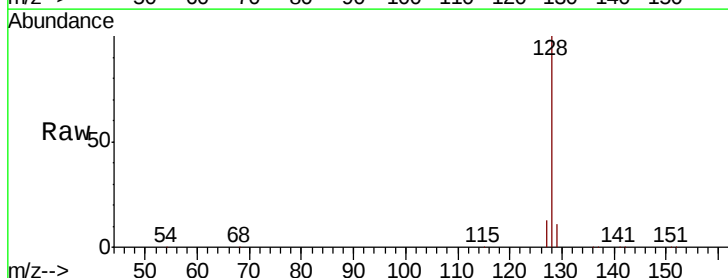
Tgt Ion: 128 Resp: 98179

Ion Ratio Lower Upper

128 100

129 11.0 9.2 13.8

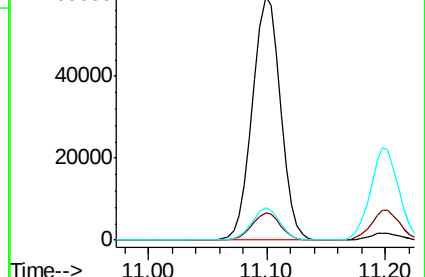
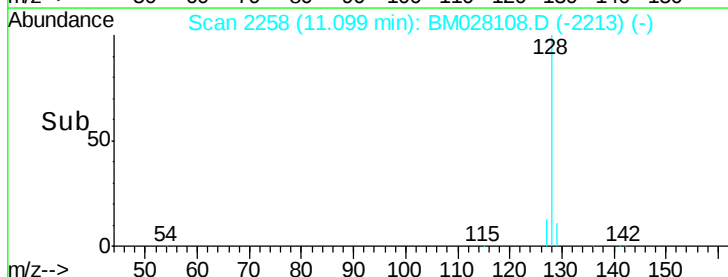
127 13.1 10.8 16.2

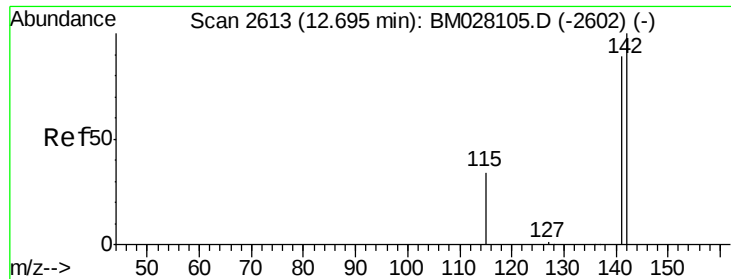


Abundance Ion 128.00 (127.70 to 128.70): BM028108.D (-2246) (-)

Ion 129.00 (128.70 to 129.70): BM028108.D (-2246) (-)

Ion 127.00 (126.70 to 127.70): BM028108.D (-2246) (-)





#7

2-Methylnaphthalene

Concen: 3.142 ng/ul

RT: 12.69 min Scan# 2612

Delta R.T. -0.00 min

Lab File: BM028108.D

Acq: 11 Dec 2020 20:23

Instrument :

BNA_M

ClientSampleId :

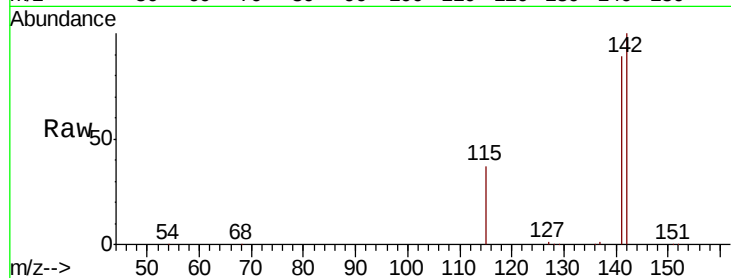
SSTD3.2031

Tot Ion:142 Resp: 68065

Ion Ratio Lower Upper

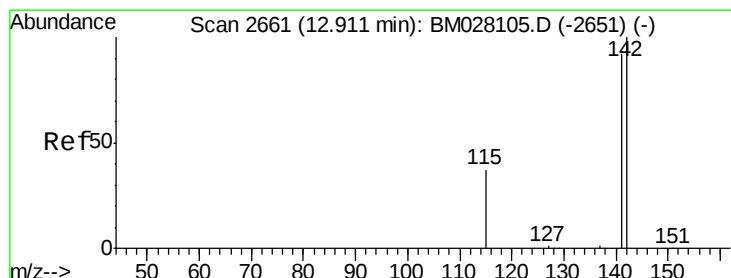
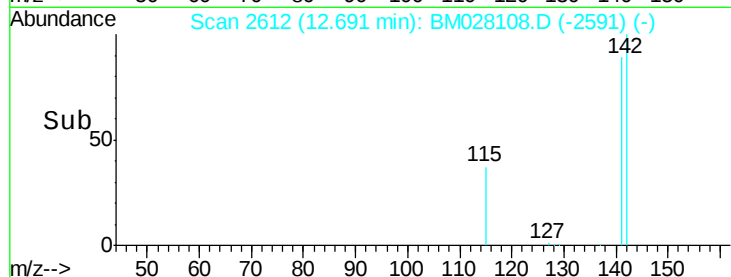
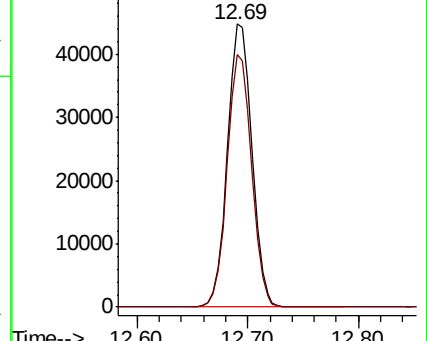
142 100

141 88.9 71.8 107.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 3.173 ng/ul

RT: 12.91 min Scan# 2661

Delta R.T. 0.00 min

Lab File: BM028108.D

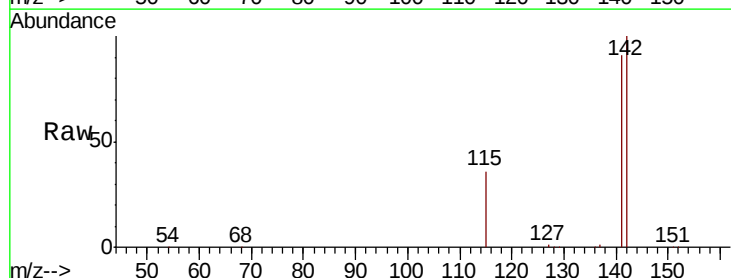
Acq: 11 Dec 2020 20:23

Tgt Ion:142 Resp: 64929

Ion Ratio Lower Upper

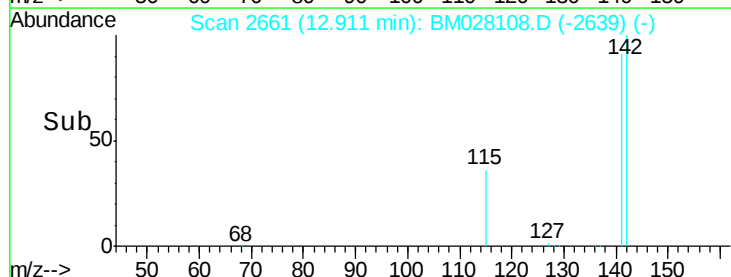
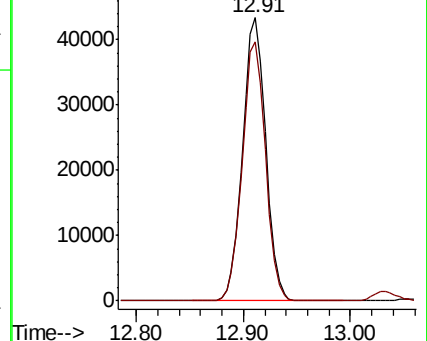
142 100

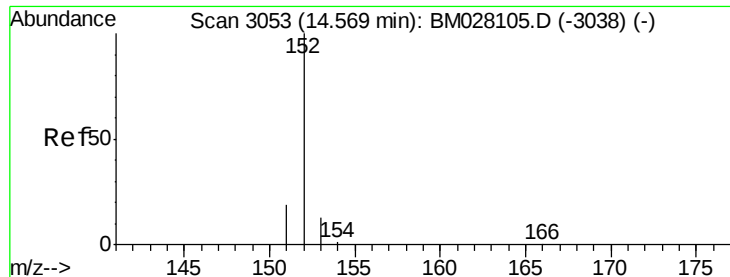
141 92.1 73.8 110.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 3.114 ng/ul

RT: 14.57 min Scan# 3053

Delta R.T. 0.00 min

Lab File: BM028108.D

Acq: 11 Dec 2020 20:23

Instrument :

BNA_M

ClientSampleId :

SSTD3.2031

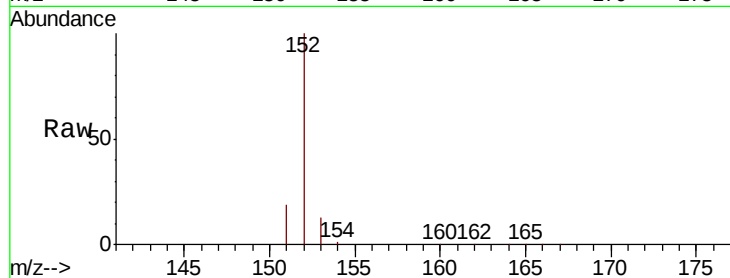
Tot Ion:152 Resp: 91544

Ion Ratio Lower Upper

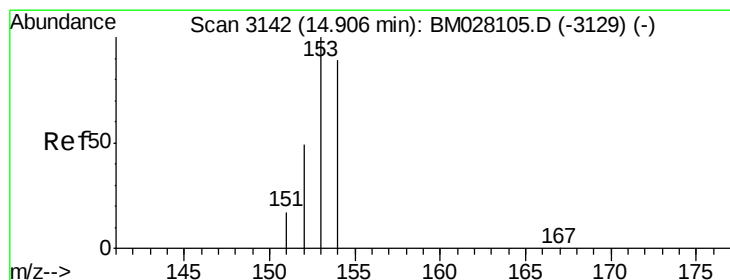
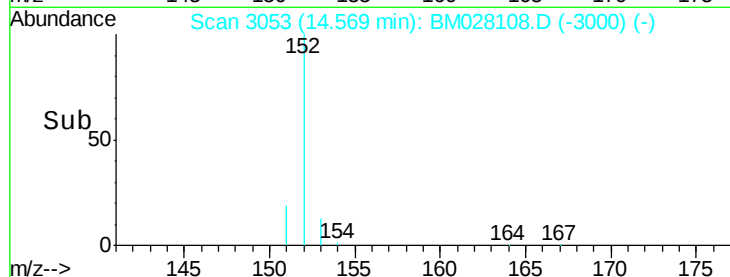
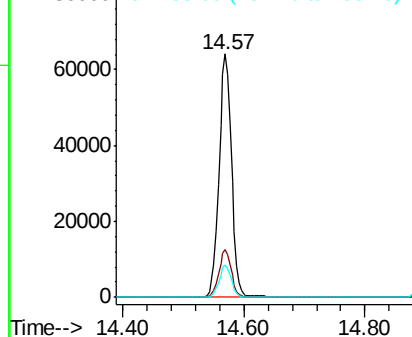
152 100

151 19.4 15.9 23.9

153 13.1 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: 3.346 ng/ul

RT: 14.91 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BM028108.D

Acq: 11 Dec 2020 20:23

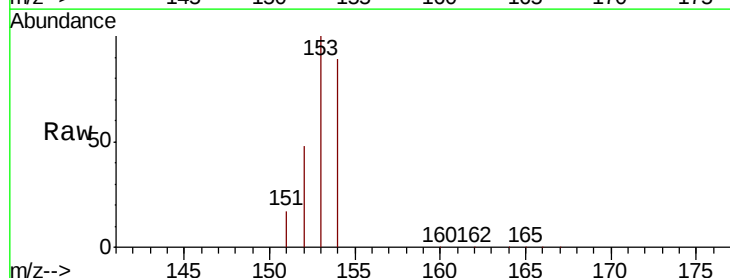
Tgt Ion:153 Resp: 74744

Ion Ratio Lower Upper

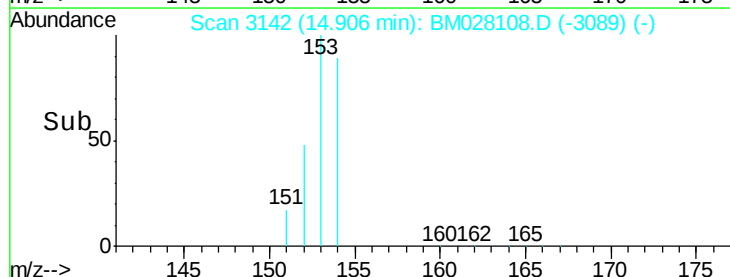
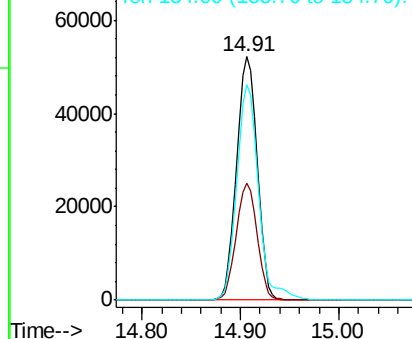
153 100

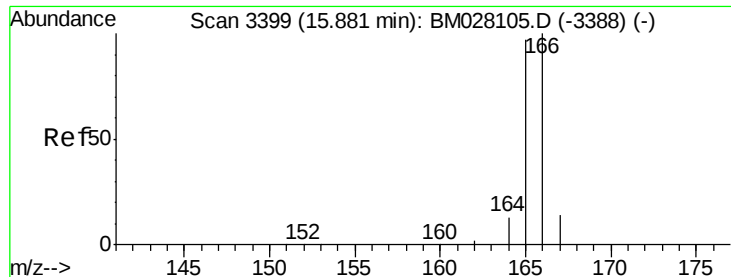
152 48.1 39.5 59.3

154 88.5 71.0 106.4



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: 3.333 ng/ul

RT: 15.88 min Scan# 3399

Delta R.T. 0.00 min

Lab File: BM028108.D

Acq: 11 Dec 2020 20:23

Instrument :

BNA_M

ClientSampleId :

SSTD3.2031

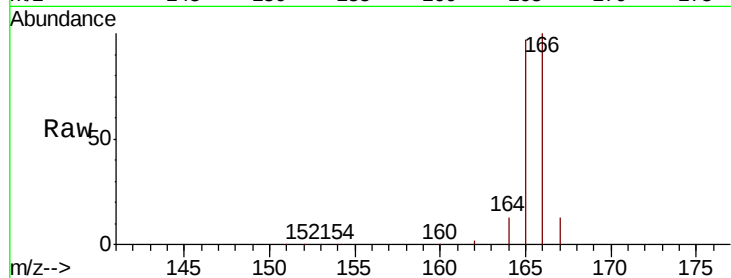
Tot Ion:166 Resp: 88012

Ion Ratio Lower Upper

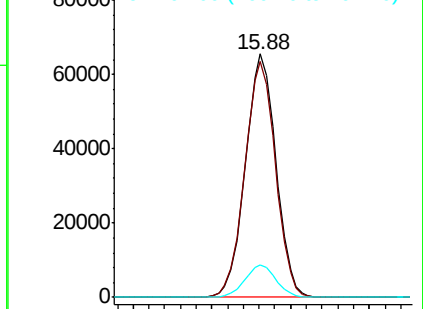
166 100

165 97.0 77.9 116.9

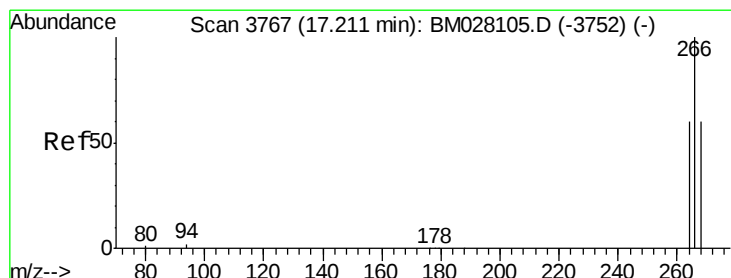
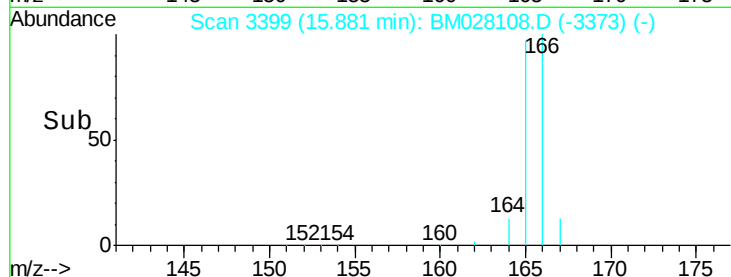
167 13.2 11.4 17.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time--> 15.80 15.85 15.90 15.95



#14

Pentachlorophenol

Concen: 2.795 ng/ul

RT: 17.21 min Scan# 3766

Delta R.T. -0.00 min

Lab File: BM028108.D

Acq: 11 Dec 2020 20:23

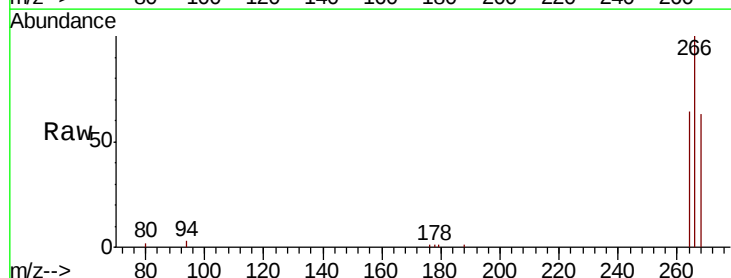
Tgt Ion:266 Resp: 12372

Ion Ratio Lower Upper

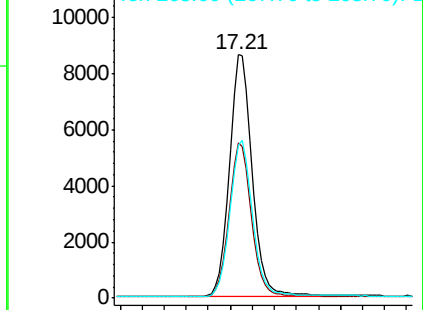
266 100

264 62.8 51.6 77.4

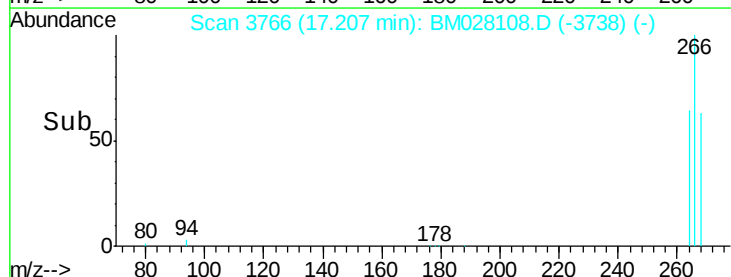
268 64.1 51.6 77.4

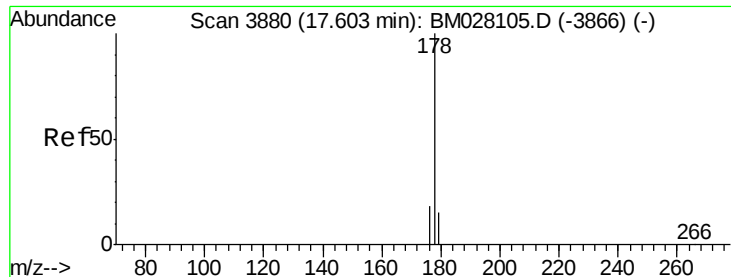


Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



Time--> 17.10 17.20 17.30





#15

Phenanthrene

Concen: 3.459 ng/ul

RT: 17.60 min Scan# 3880

Delta R.T. 0.00 min

Lab File: BM028108.D

Acq: 11 Dec 2020 20:23

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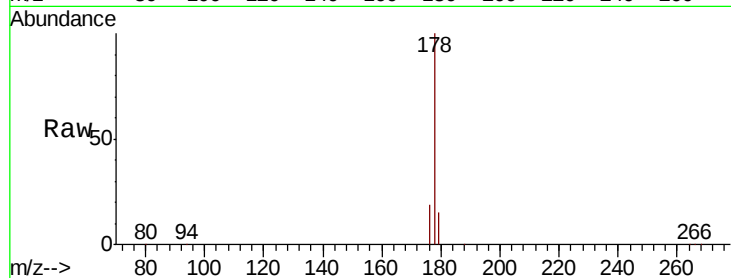
Tot Ion:178 Resp: 135538

Ion Ratio Lower Upper

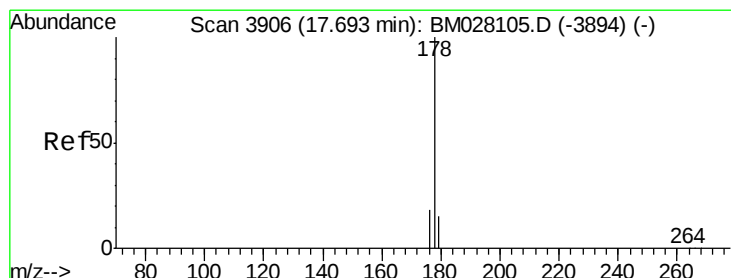
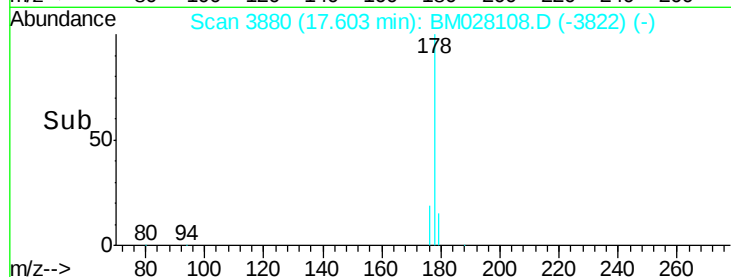
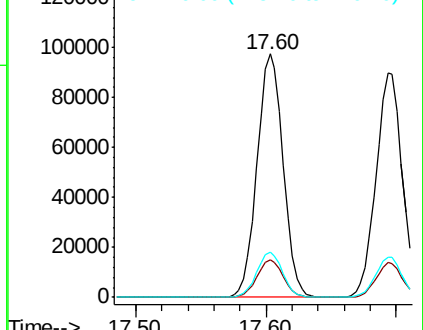
178 100

179 15.2 12.6 18.8

176 18.6 14.9 22.3



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#16

Anthracene

Concen: 3.357 ng/ul

RT: 17.69 min Scan# 3906

Delta R.T. 0.00 min

Lab File: BM028108.D

Acq: 11 Dec 2020 20:23

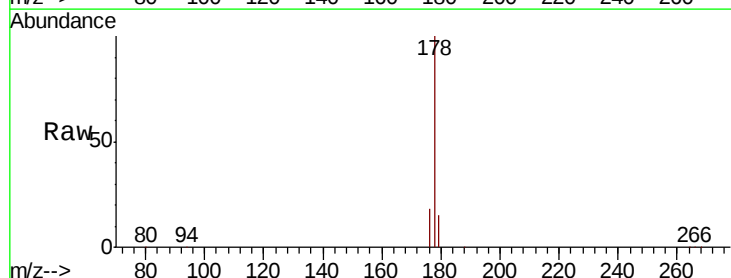
Tgt Ion:178 Resp: 129079

Ion Ratio Lower Upper

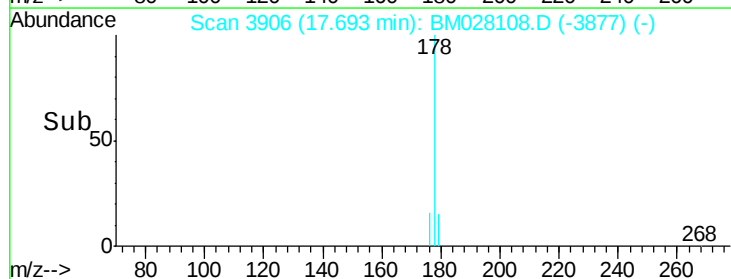
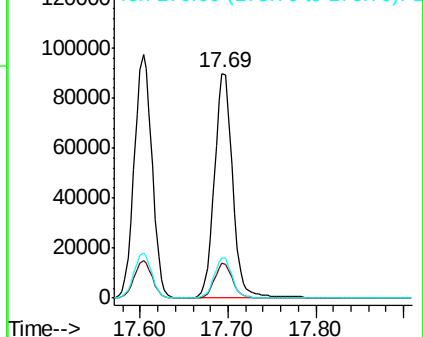
178 100

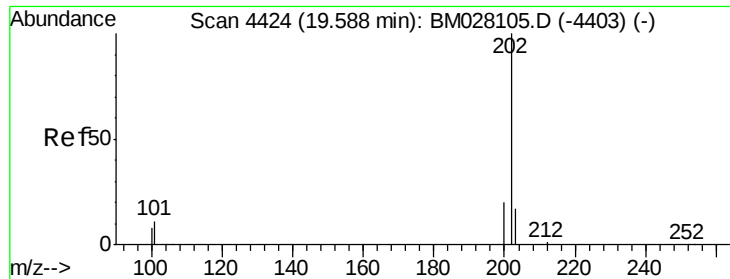
179 15.3 12.5 18.7

176 18.1 14.7 22.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 2.933 ng/ul

RT: 19.59 min Scan# 4424

Delta R.T. 0.00 min

Lab File: BM028108.D

Acq: 11 Dec 2020 20:23

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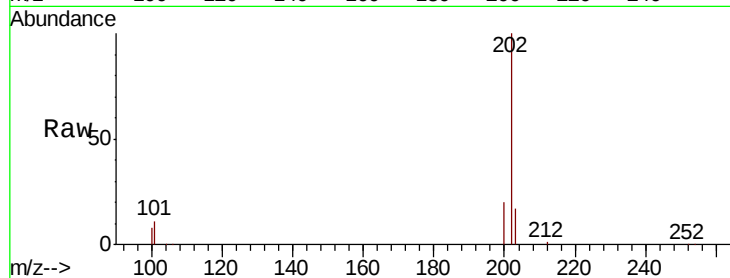
Tot Ion:202 Resp: 159520

Ion Ratio Lower Upper

202 100

101 10.8 8.8 13.2

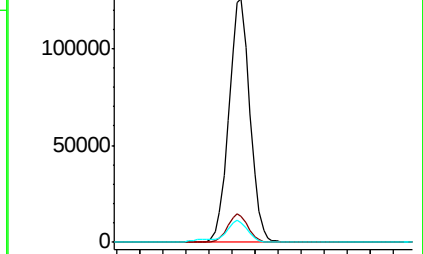
100 8.2 6.8 10.2



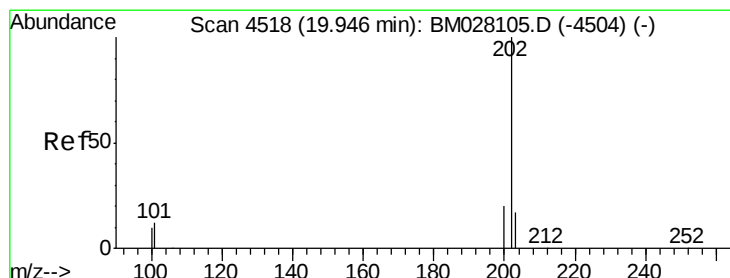
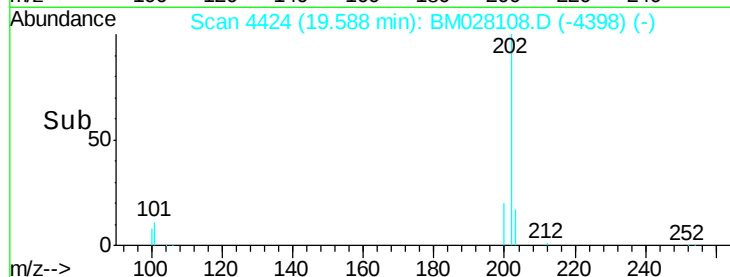
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#20

Pyrene

Concen: 2.923 ng/ul

RT: 19.95 min Scan# 4518

Delta R.T. 0.00 min

Lab File: BM028108.D

Acq: 11 Dec 2020 20:23

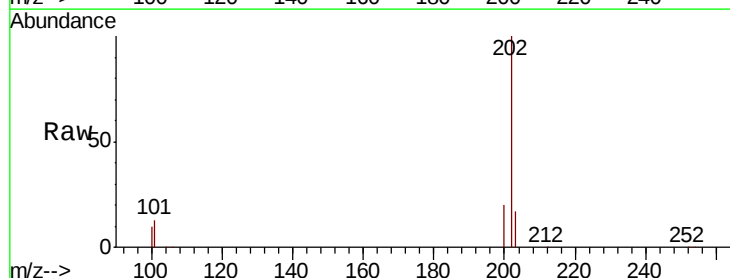
Tgt Ion:202 Resp: 158456

Ion Ratio Lower Upper

202 100

101 12.6 10.1 15.1

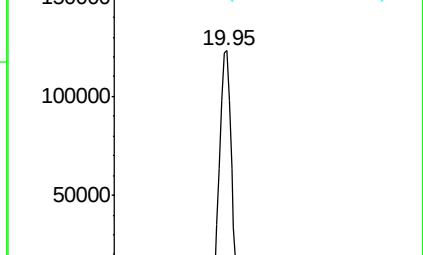
100 10.3 8.4 12.6



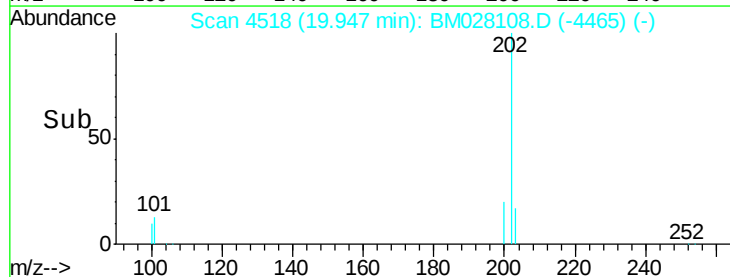
Abundance Ion 202.00 (201.70 to 202.70): E

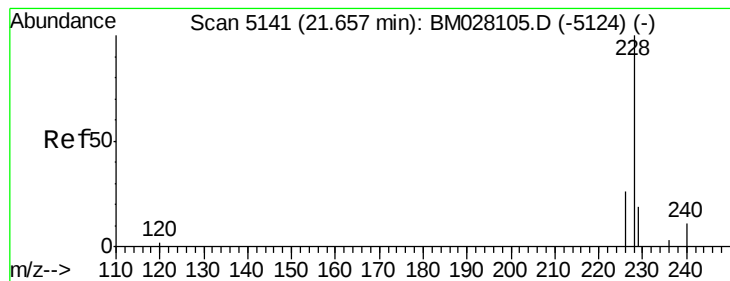
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#21

Benzo(a)anthracene

Concen: 2.910 ng/ul

RT: 21.66 min Scan# 5141

Delta R.T. 0.00 min

Lab File: BM028108.D

Acq: 11 Dec 2020 20:23

Instrument :

BNA_M

ClientSampleId :

SSTD3.2031

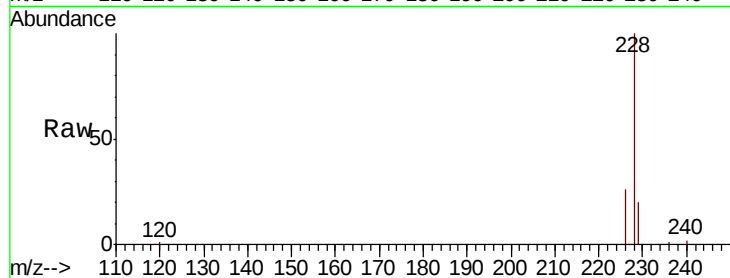
Tot Ion:228 Resp: 147832

Ion Ratio Lower Upper

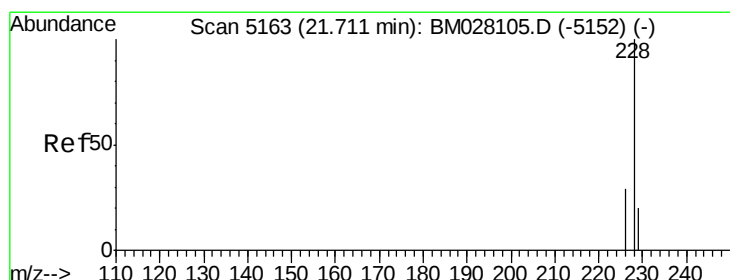
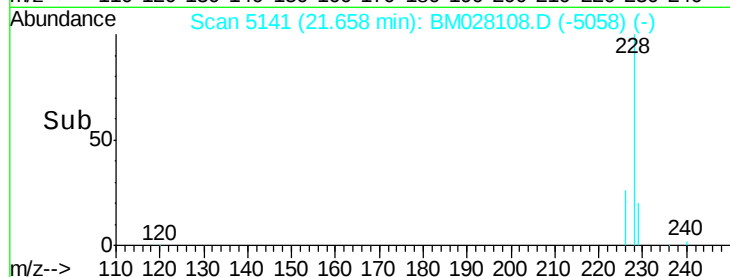
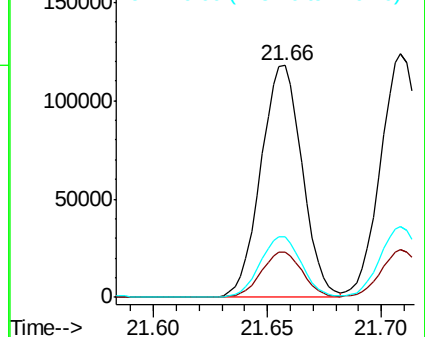
228 100

229 19.6 15.7 23.5

226 25.9 20.7 31.1



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: 2.942 ng/ul

RT: 21.71 min Scan# 5162

Delta R.T. -0.00 min

Lab File: BM028108.D

Acq: 11 Dec 2020 20:23

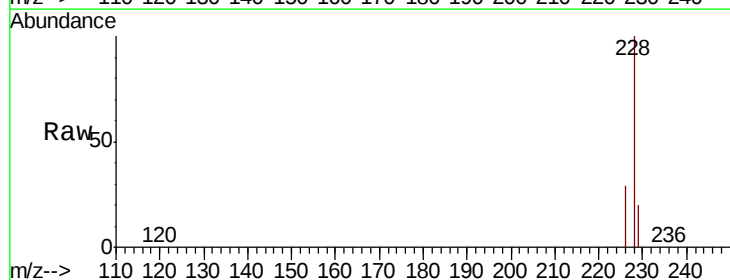
Tgt Ion:228 Resp: 153389

Ion Ratio Lower Upper

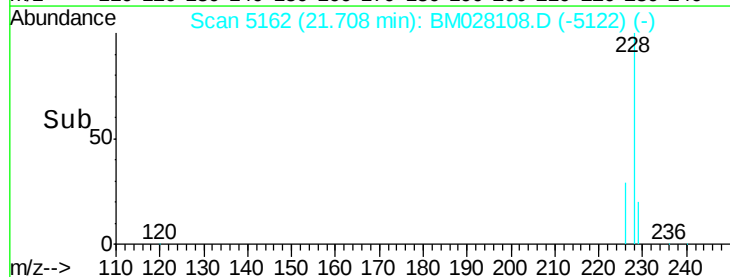
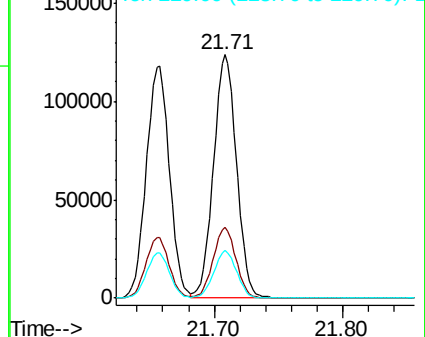
228 100

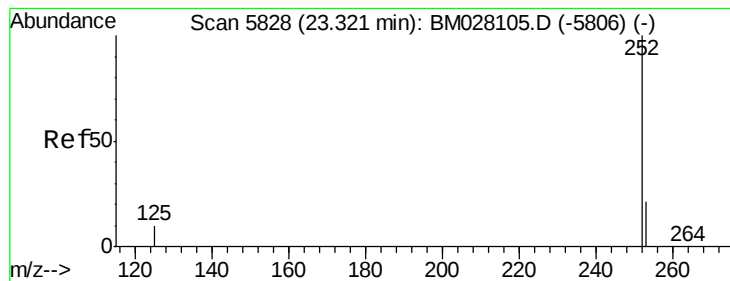
226 28.9 23.4 35.0

229 19.6 15.9 23.9



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: 3.202 ng/ul

RT: 23.32 min Scan# 5828

Delta R.T. 0.00 min

Lab File: BM028108.D

Acq: 11 Dec 2020 20:23

Instrument :

BNA_M

ClientSampleId :

SSTD3.2031

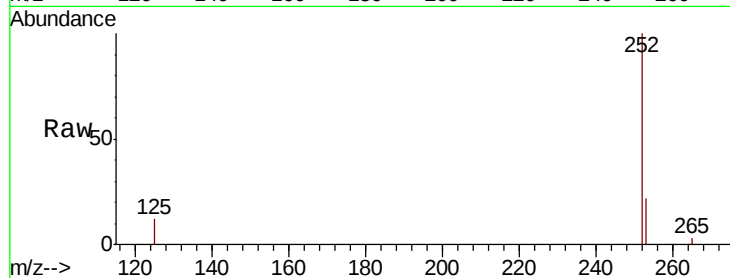
Tot Ion:252 Resp: 154706

Ion Ratio Lower Upper

252 100

253 22.1 0.0 51.4

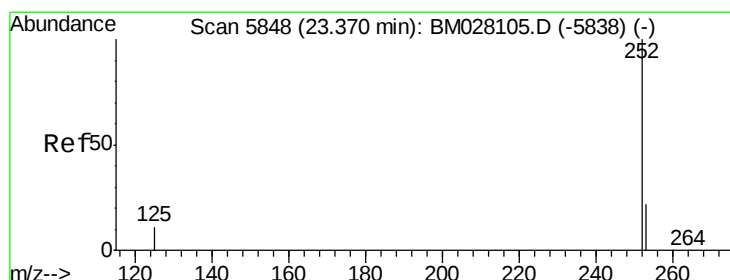
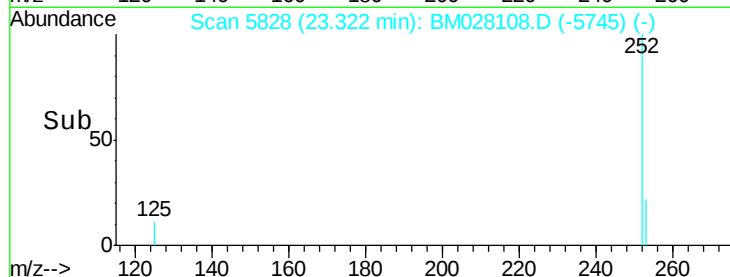
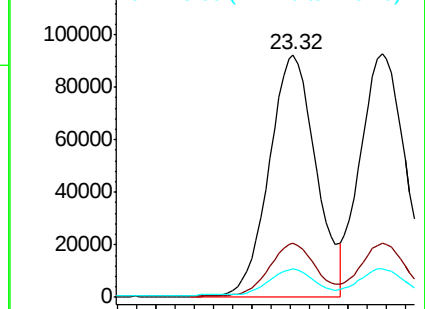
125 11.6 0.0 32.8



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: 3.158 ng/ul

RT: 23.37 min Scan# 5847

Delta R.T. -0.00 min

Lab File: BM028108.D

Acq: 11 Dec 2020 20:23

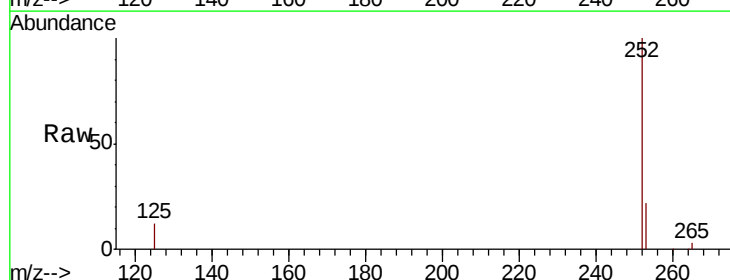
Tgt Ion:252 Resp: 151957

Ion Ratio Lower Upper

252 100

253 22.2 21.1 31.7

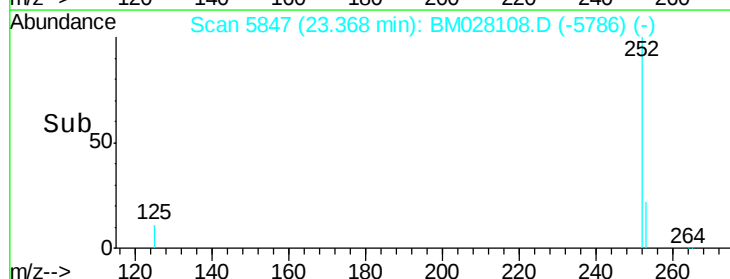
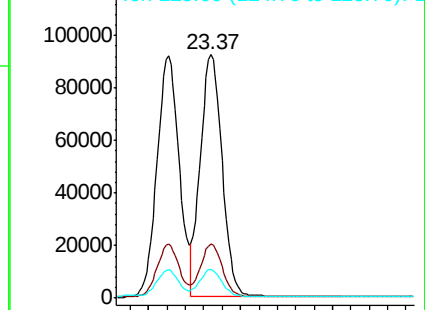
125 11.6 13.4 20.2#

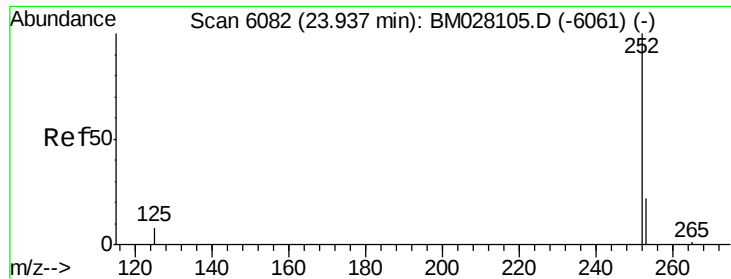


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 3.082 ng/ul

RT: 23.94 min Scan# 6082

Delta R.T. 0.00 min

Lab File: BM028108.D

Acq: 11 Dec 2020 20:23

Instrument :

BNA_M

ClientSampleId :

SSTD3.2031

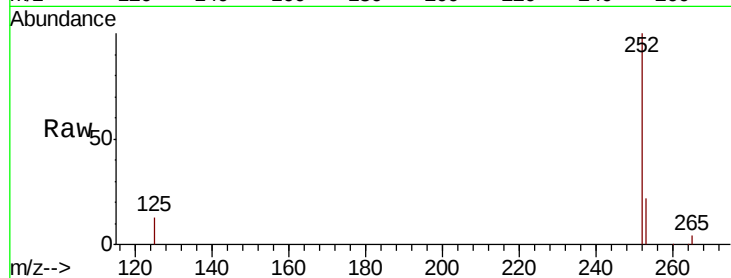
Tot Ion:252 Resp: 134863

Ion Ratio Lower Upper

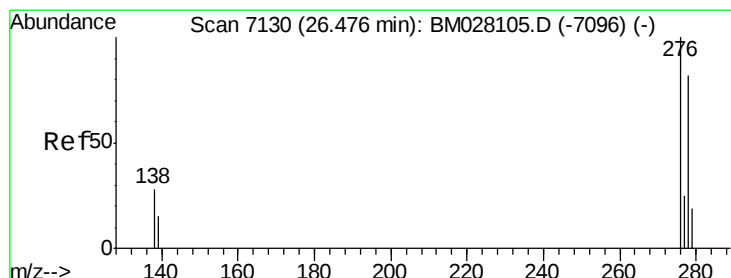
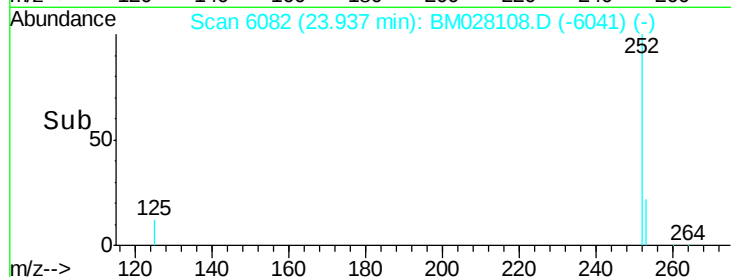
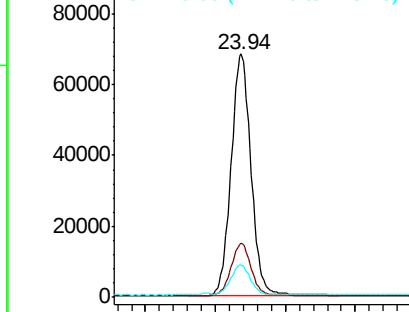
252 100

253 22.3 22.3 33.5#

125 13.1 16.1 24.1#



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: 3.022 ng/ul

RT: 26.47 min Scan# 7128

Delta R.T. -0.00 min

Lab File: BM028108.D

Acq: 11 Dec 2020 20:23

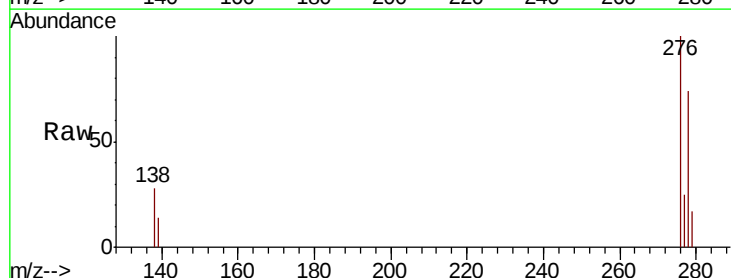
Tgt Ion:276 Resp: 155443

Ion Ratio Lower Upper

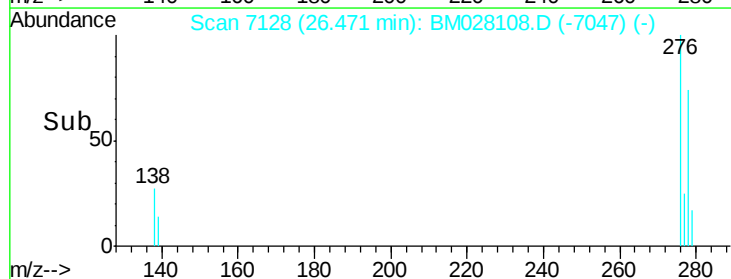
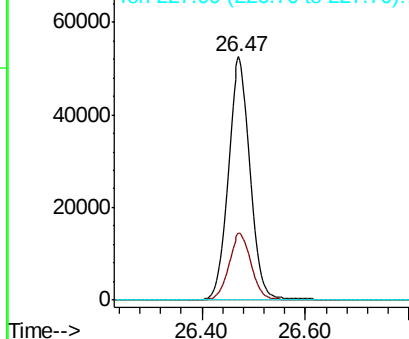
276 100

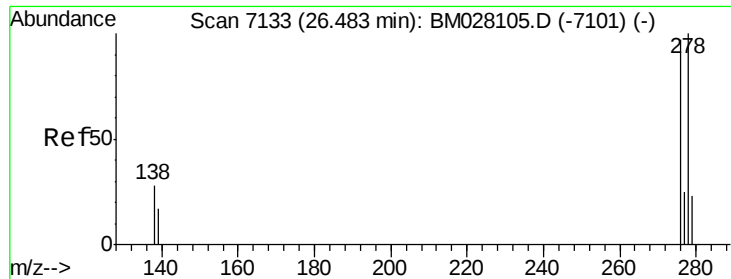
138 27.9 21.7 32.5

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



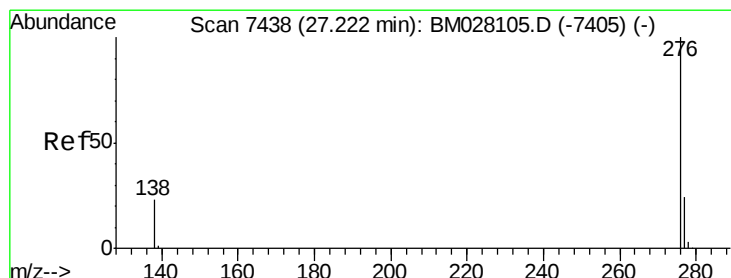
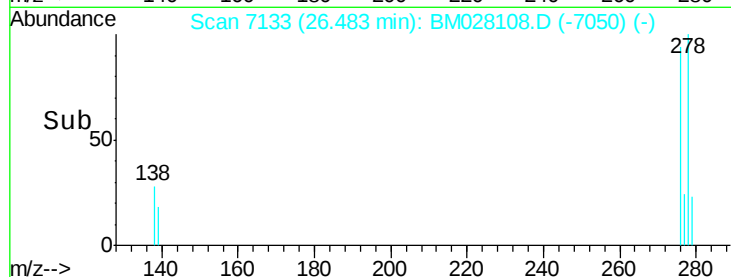
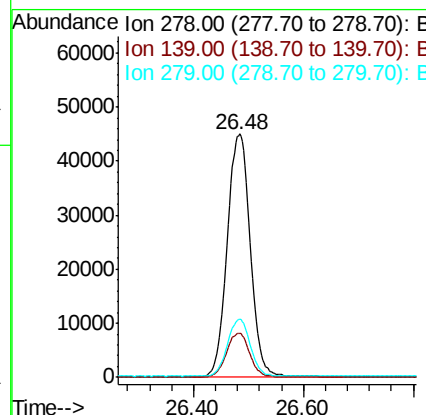
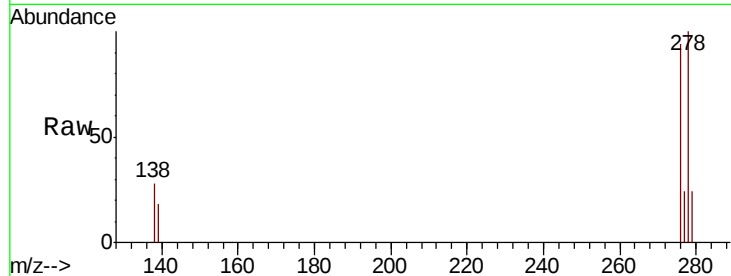


#28
Dibenzo(a,h)anthracene
Concen: 3.047 ng/ul
RT: 26.48 min Scan# 7133
Delta R.T. 0.00 min
Lab File: BM028108.D
Acq: 11 Dec 2020 20:23

Instrument :
BNA_M
ClientSampleId :
SSTD3.2031

Tot Ion:278 Resp: 130344

Ion	Ratio	Lower	Upper
278	100		
139	17.9	15.2	22.8
279	23.8	22.2	33.4



#29
Benzo(g,h,i)perylene
Concen: 3.000 ng/ul
RT: 27.22 min Scan# 7438
Delta R.T. 0.00 min
Lab File: BM028108.D
Acq: 11 Dec 2020 20:23

Tgt Ion:276 Resp: 129917

Ion	Ratio	Lower	Upper
276	100		
138	24.0	19.7	29.5
277	23.8	20.6	31.0

