

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121120\
 Data File : BM028103.D
 Acq On : 11 Dec 2020 17:18
 Operator : JU/CG
 Sample : SSTD0.104
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.1041

Quant Time: Dec 12 02:54:01 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

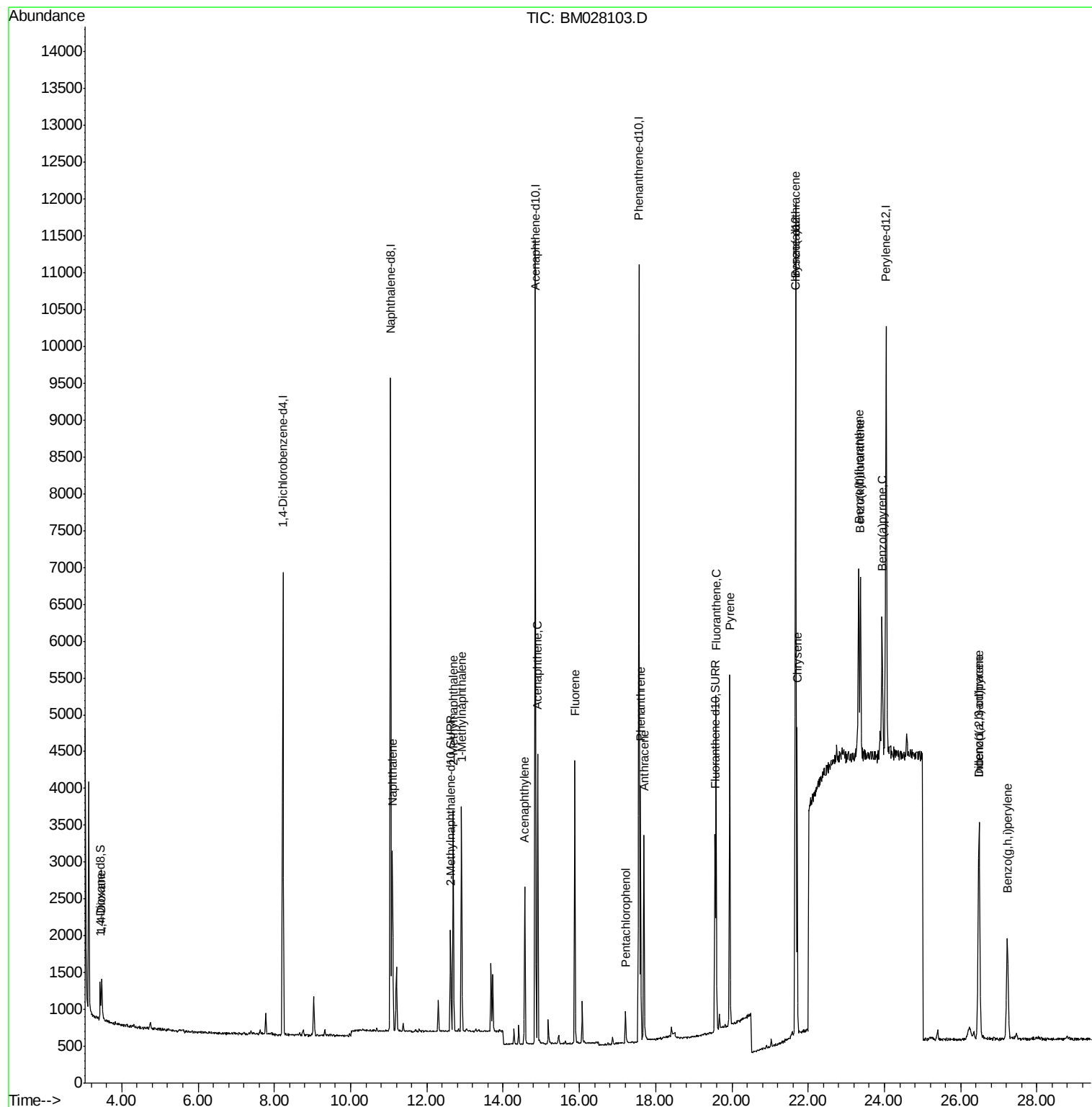
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	3092	0.40	ng/ul	0.00
4) Naphthalene-d8	11.05	136	11636	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.85	164	5959	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.56	188	11684	0.40	ng/ul	0.00
17) Chrysene-d12	21.67	240	9260	0.40	ng/ul	0.00
23) Perylene-d12	24.04	264	8223	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.43	96	349	0.11	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.62	152	1739	0.09	ng/ul	0.00
18) Fluoranthene-d10	19.55	212	2836	0.10	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.47	88	408	0.120	ng/ul#	82
5) Naphthalene	11.10	128	3331	0.101	ng/ul	96
7) 2-Methylnaphthalene	12.69	142	2109	0.093	ng/ul	99
8) 1-Methylnaphthalene	12.91	142	2009	0.094	ng/ul	98
10) Acenaphthylene	14.57	152	2383	0.090	ng/ul#	95
11) Acenaphthene	14.91	153	2124	0.105	ng/ul	98
12) Fluorene	15.88	166	2343	0.098	ng/ul	98
14) Pentachlorophenol	17.21	266	293	0.076	ng/ul	98
15) Phenanthrene	17.60	178	3649	0.107	ng/ul	96
16) Anthracene	17.69	178	3130	0.094	ng/ul	95
19) Fluoranthene	19.58	202	3745	0.103	ng/ul#	91
20) Pyrene	19.94	202	3823	0.106	ng/ul#	90
21) Benzo(a)anthracene	21.66	228	3155	0.093	ng/ul	97
22) Chrysene	21.71	228	3416	0.098	ng/ul	98
24) Benzo(b)fluoranthene	23.32	252	3356	0.102	ng/ul#	62
25) Benzo(k)fluoranthene	23.37	252	3067	0.093	ng/ul#	62
26) Benzo(a)pyrene	23.94	252	2668	0.089	ng/ul#	52
27) Indeno(1,2,3-cd)pyrene	26.47	276	3469	0.099	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.48	278	2905	0.099	ng/ul#	76
29) Benzo(g,h,i)perylene	27.23	276	3002	0.101	ng/ul#	92

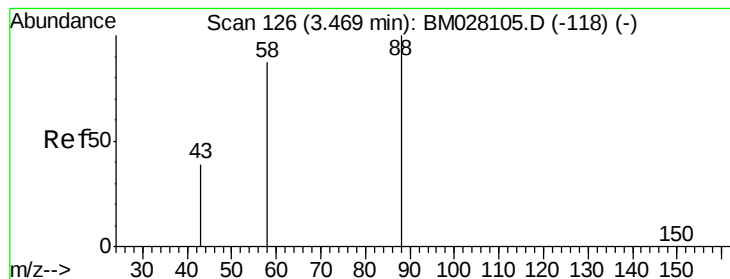
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.120 ng/ul

RT: 3.47 min Scan# 127

Delta R.T. 0.00 min

Lab File: BM028103.D

Acq: 11 Dec 2020 17:18

Instrument :

BNA_M

ClientSampleId :

SSTD0.1041

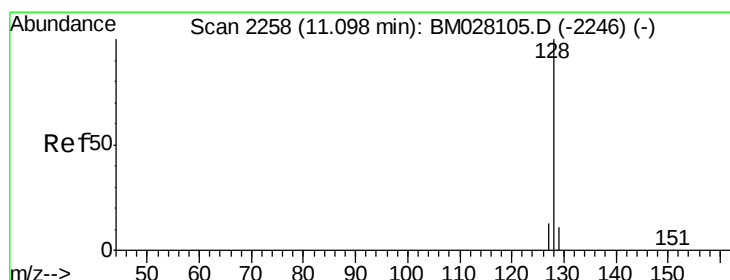
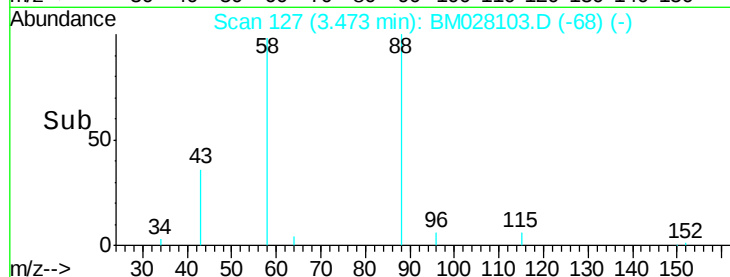
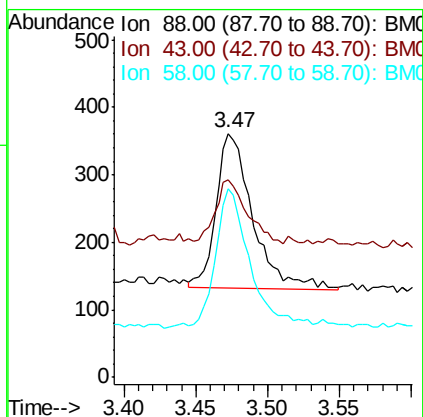
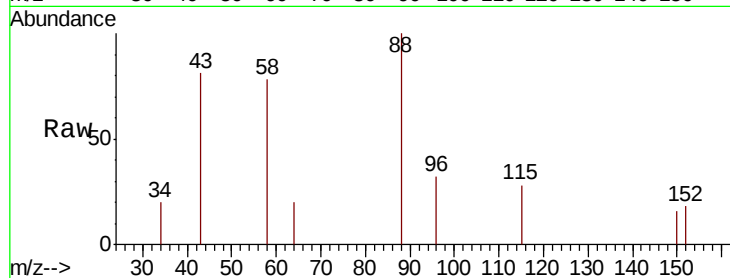
Tot Ion: 88 Resp: 408

Ion Ratio Lower Upper

88 100

43 80.9 39.5 59.3#

58 77.6 62.8 94.2



#5

Naphthalene

Concen: 0.101 ng/ul

RT: 11.10 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BM028103.D

Acq: 11 Dec 2020 17:18

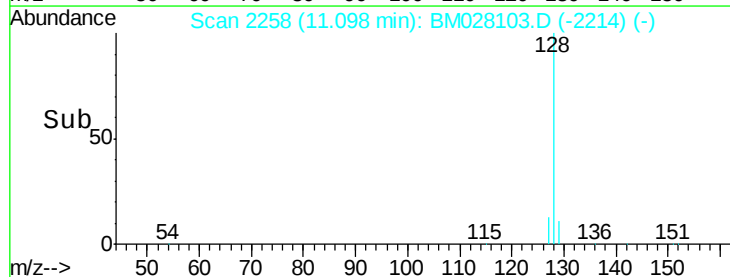
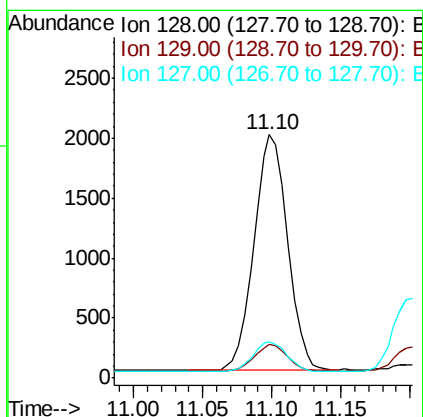
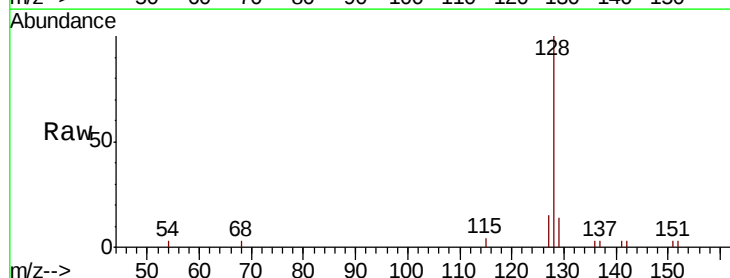
Tgt Ion: 128 Resp: 3331

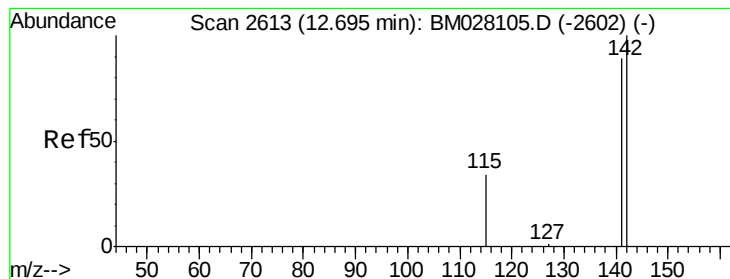
Ion Ratio Lower Upper

128 100

129 13.7 9.2 13.8

127 14.9 10.8 16.2





#7

2-Methylnaphthalene

Concen: 0.093 ng/ul

RT: 12.69 min Scan# 2612

Delta R.T. -0.00 min

Lab File: BM028103.D

Acq: 11 Dec 2020 17:18

Instrument :

BNA_M

ClientSampleId :

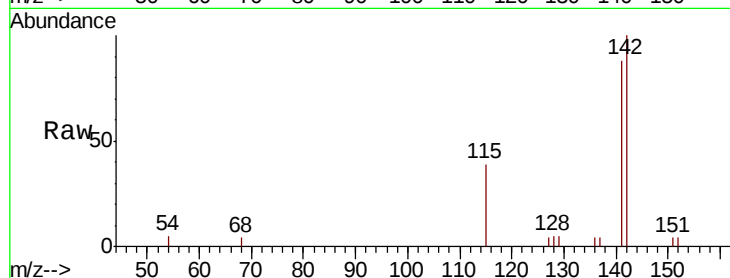
SSTD0.1041

Tot Ion:142 Resp: 2109

Ion Ratio Lower Upper

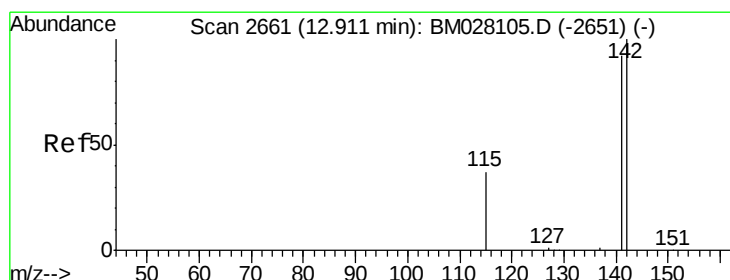
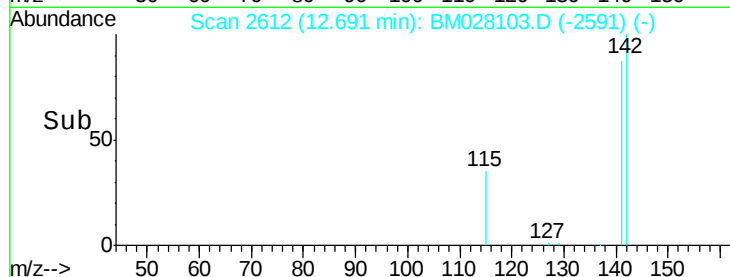
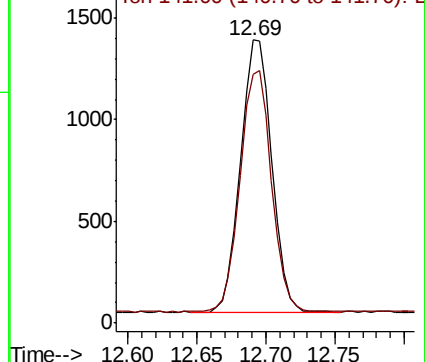
142 100

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: 0.094 ng/ul

RT: 12.91 min Scan# 2661

Delta R.T. 0.00 min

Lab File: BM028103.D

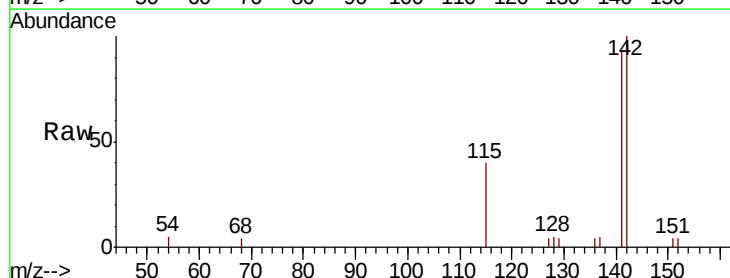
Acq: 11 Dec 2020 17:18

Tgt Ion:142 Resp: 2009

Ion Ratio Lower Upper

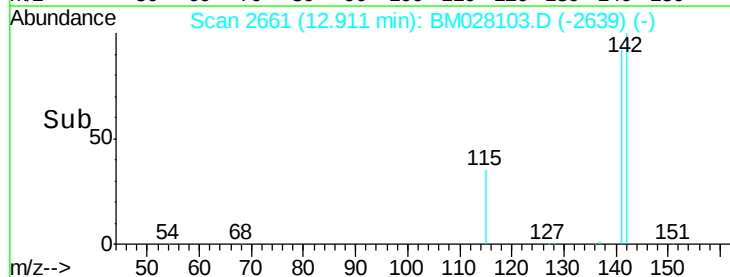
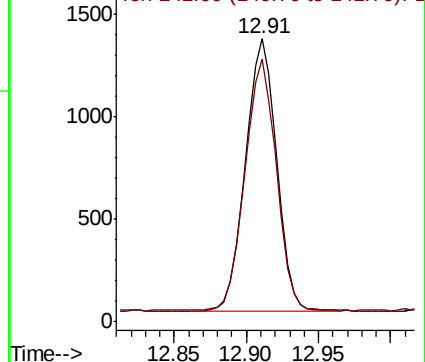
142 100

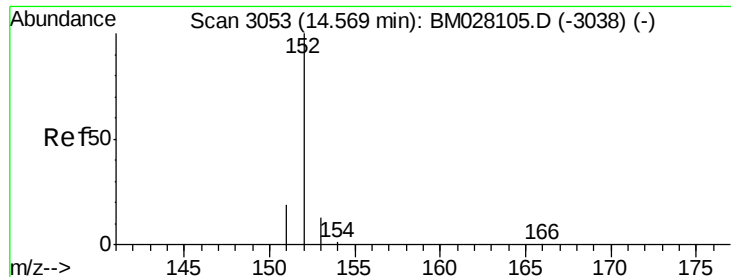
141 93.7 73.8 110.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.090 ng/ul

RT: 14.57 min Scan# 3053

Delta R.T. 0.00 min

Lab File: BM028103.D

Acq: 11 Dec 2020 17:18

Instrument :

BNA_M

ClientSampleId :

SSTD0.1041

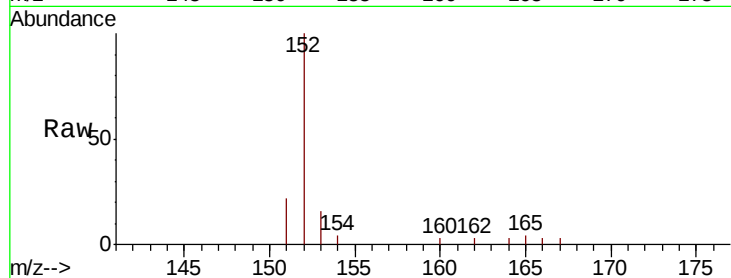
Tot Ion:152 Resp: 2383

Ion Ratio Lower Upper

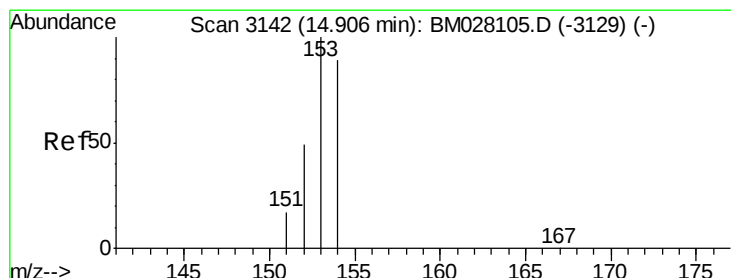
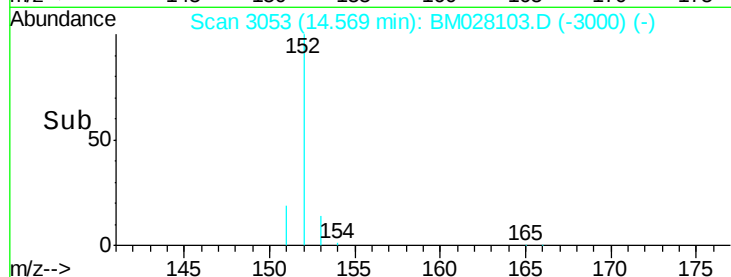
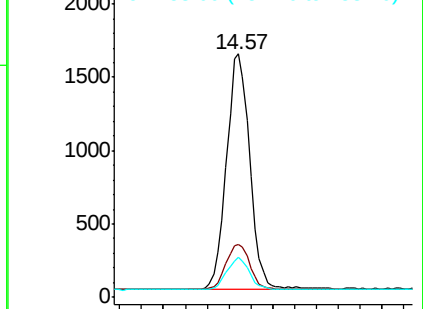
152 100

151 21.6 15.9 23.9

153 16.2 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: 0.105 ng/ul

RT: 14.91 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BM028103.D

Acq: 11 Dec 2020 17:18

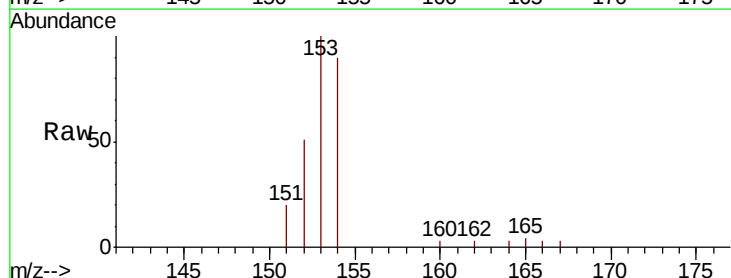
Tgt Ion:153 Resp: 2124

Ion Ratio Lower Upper

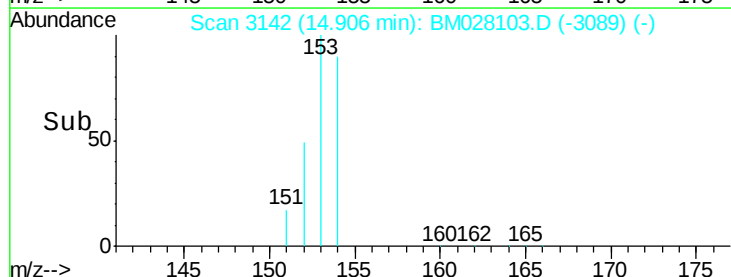
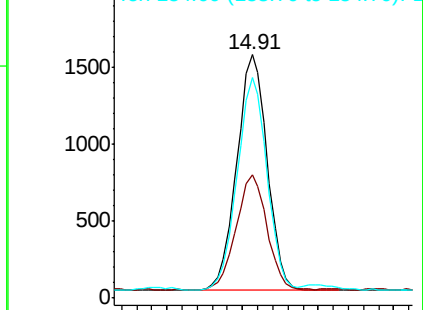
153 100

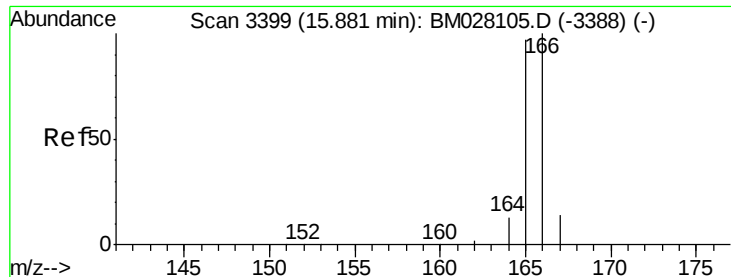
152 50.8 39.5 59.3

154 90.4 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: 0.098 ng/ul

RT: 15.88 min Scan# 3399

Delta R.T. 0.00 min

Lab File: BM028103.D

Acq: 11 Dec 2020 17:18

Instrument :

BNA_M

ClientSampleId :

SSTD0.1041

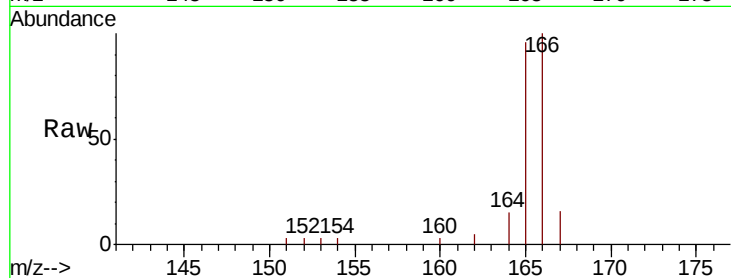
Tot Ion:166 Resp: 2343

Ion Ratio Lower Upper

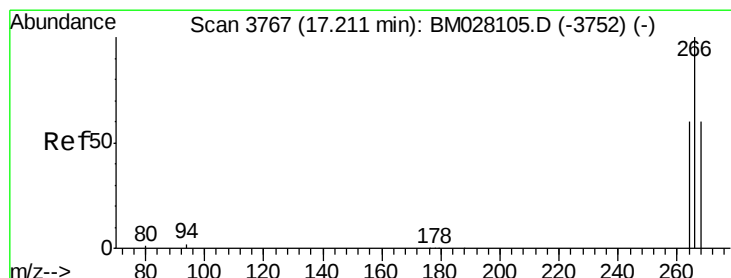
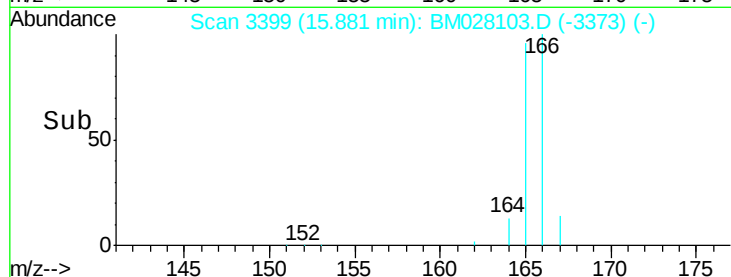
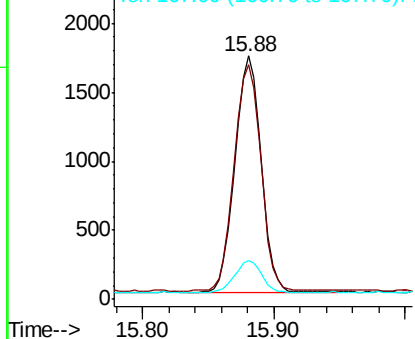
166 100

165 96.4 77.9 116.9

167 16.1 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



#14

Pentachlorophenol

Concen: 0.076 ng/ul

RT: 17.21 min Scan# 3768

Delta R.T. 0.00 min

Lab File: BM028103.D

Acq: 11 Dec 2020 17:18

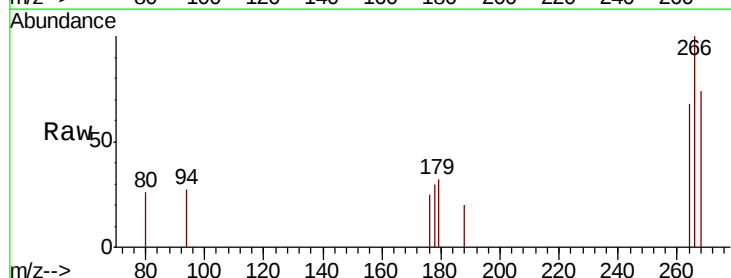
Tgt Ion:266 Resp: 293

Ion Ratio Lower Upper

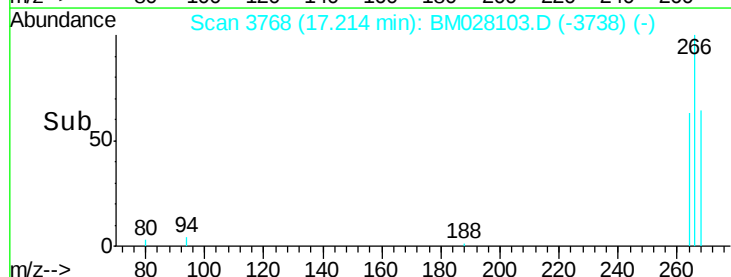
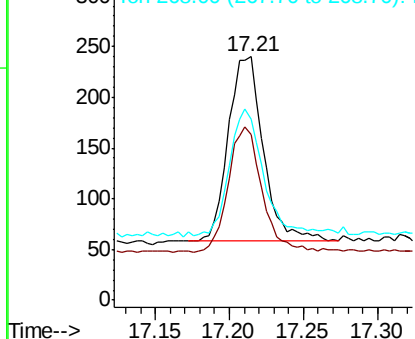
266 100

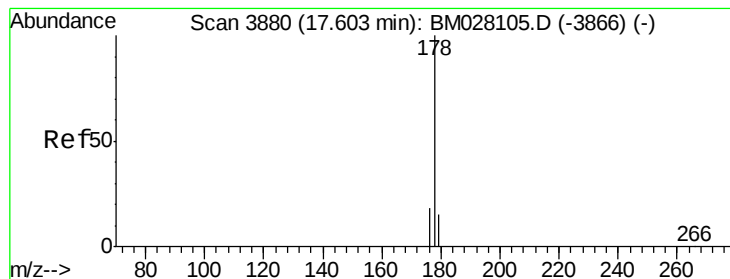
264 65.5 51.6 77.4

268 67.2 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





#15

Phenanthrene

Concen: 0.107 ng/ul

RT: 17.60 min Scan# 3880

Delta R.T. 0.00 min

Lab File: BM028103.D

Acq: 11 Dec 2020 17:18

Instrument :

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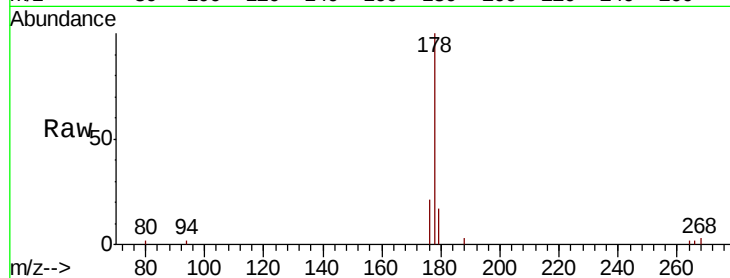
Tot Ion:178 Resp: 3649

Ion Ratio Lower Upper

178 100

179 17.2 12.6 18.8

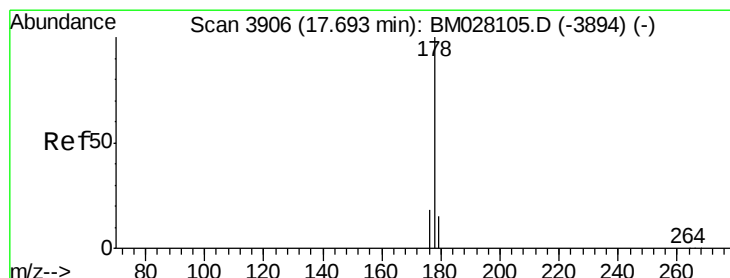
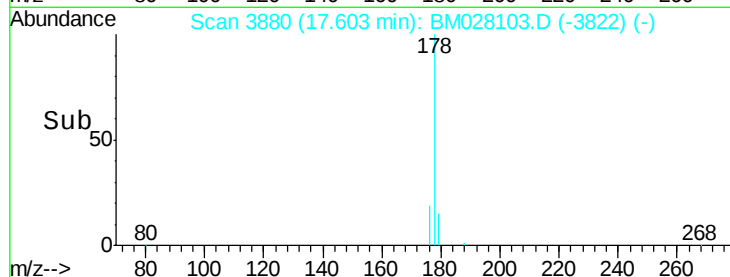
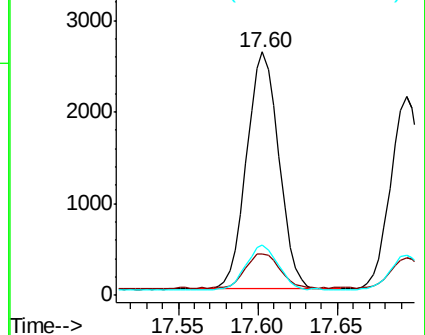
176 20.8 14.9 22.3



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: 0.094 ng/ul

RT: 17.69 min Scan# 3906

Delta R.T. 0.00 min

Lab File: BM028103.D

Acq: 11 Dec 2020 17:18

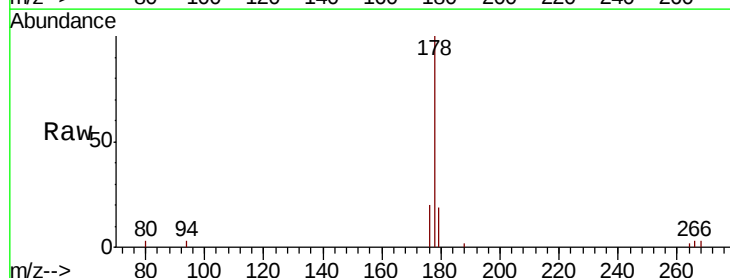
Tgt Ion:178 Resp: 3130

Ion Ratio Lower Upper

178 100

179 18.6 12.5 18.7

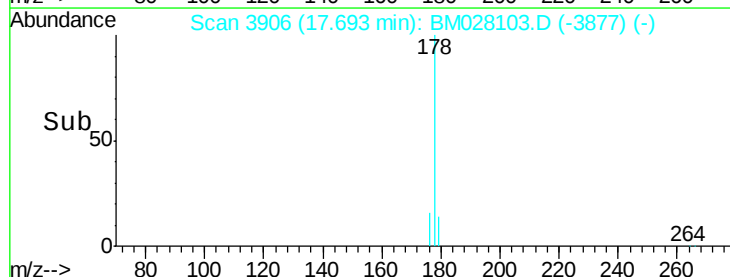
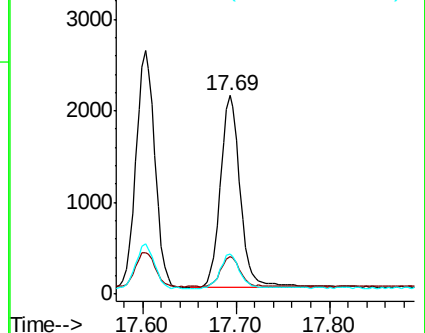
176 20.2 14.7 22.1

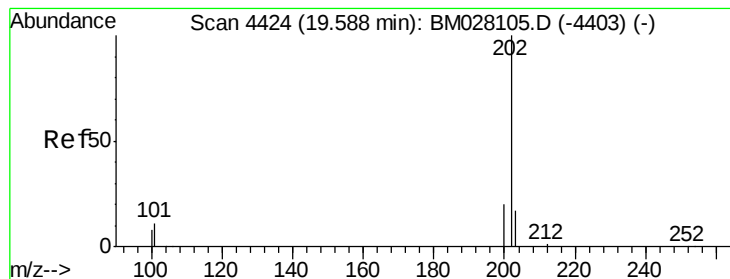


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.103 ng/ul

RT: 19.58 min Scan# 4423

Delta R.T. -0.00 min

Lab File: BM028103.D

Acq: 11 Dec 2020 17:18

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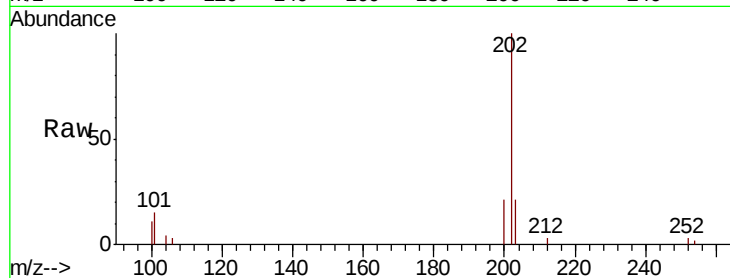
Tot Ion:202 Resp: 3745

Ion Ratio Lower Upper

202 100

101 15.2 8.8 13.2#

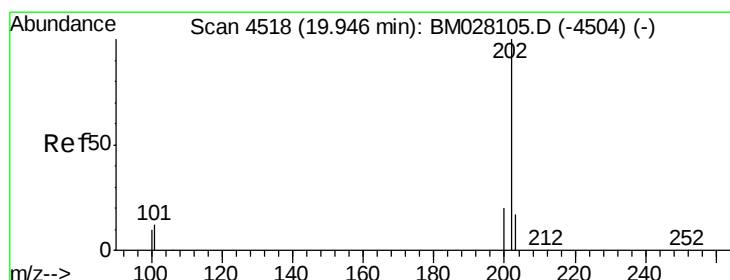
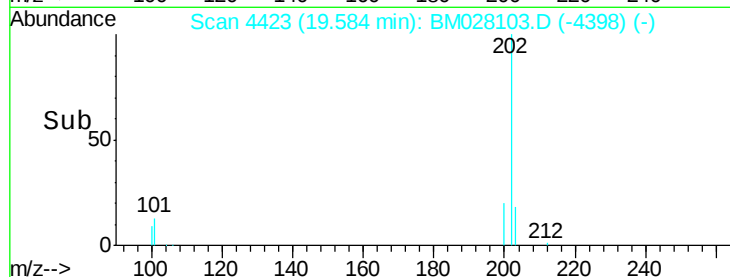
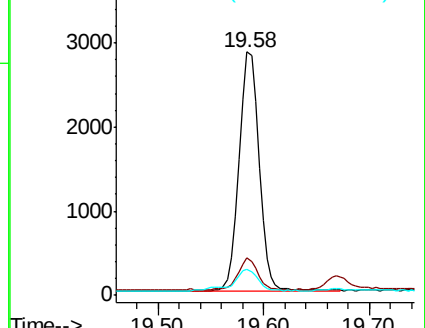
100 10.5 6.8 10.2#



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



#20

Pyrene

Concen: 0.106 ng/ul

RT: 19.94 min Scan# 4517

Delta R.T. -0.00 min

Lab File: BM028103.D

Acq: 11 Dec 2020 17:18

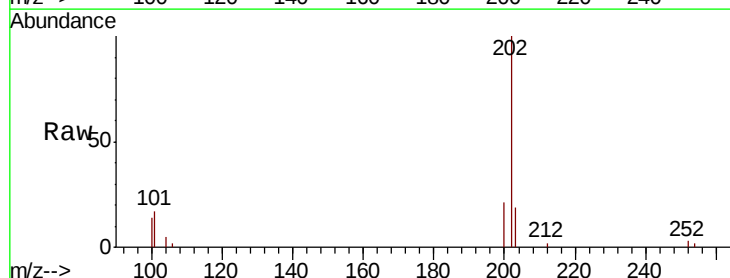
Tgt Ion:202 Resp: 3823

Ion Ratio Lower Upper

202 100

101 16.7 10.1 15.1#

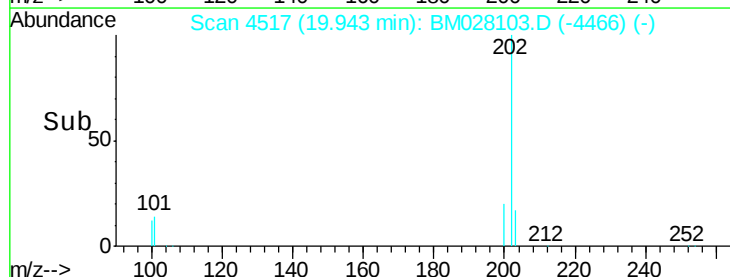
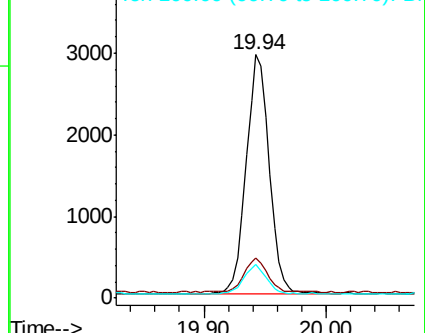
100 13.8 8.4 12.6#

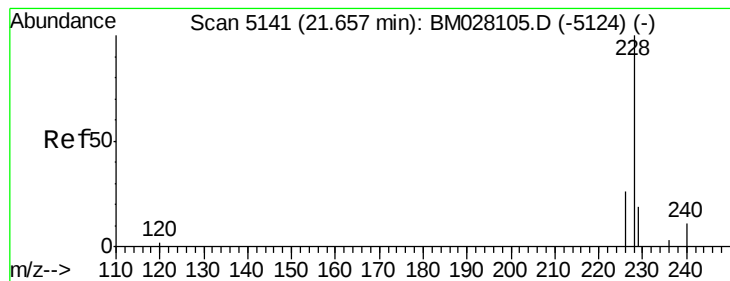


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.093 ng/ul

RT: 21.66 min Scan# 5141

Delta R.T. 0.00 min

Lab File: BM028103.D

Acq: 11 Dec 2020 17:18

Instrument :

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ClientSampleId :

SSTD0.1041

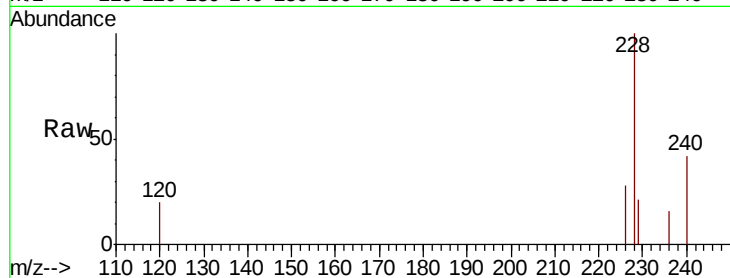
Tot Ion:228 Resp: 3155

Ion Ratio Lower Upper

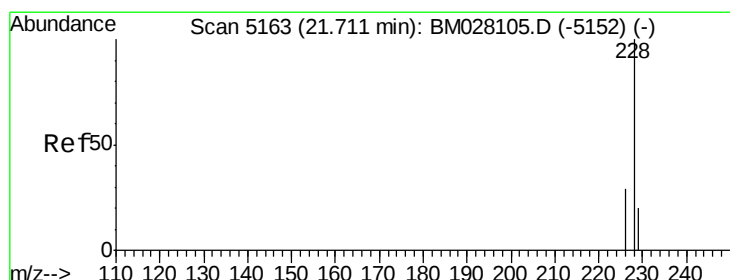
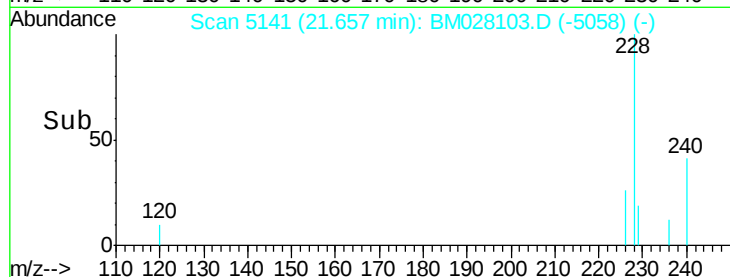
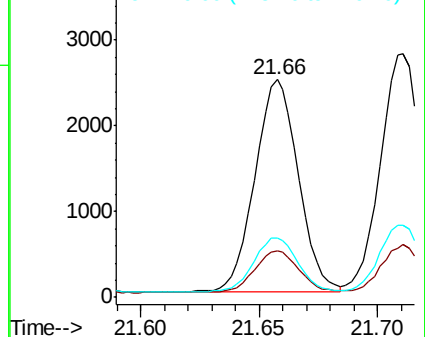
228 100

229 21.2 15.7 23.5

226 27.6 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: 0.098 ng/ul

RT: 21.71 min Scan# 5163

Delta R.T. 0.00 min

Lab File: BM028103.D

Acq: 11 Dec 2020 17:18

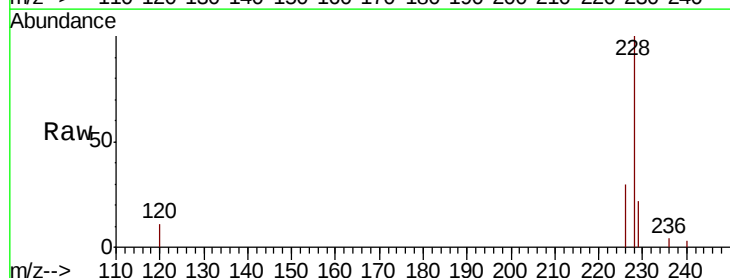
Tgt Ion:228 Resp: 3416

Ion Ratio Lower Upper

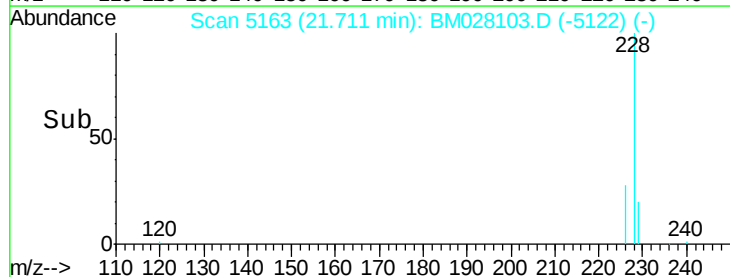
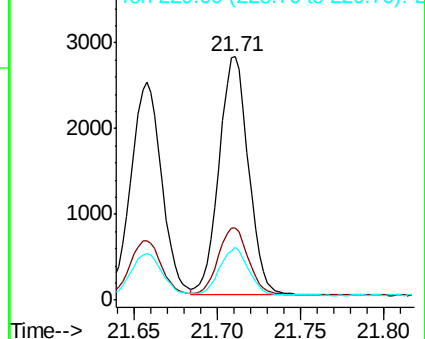
228 100

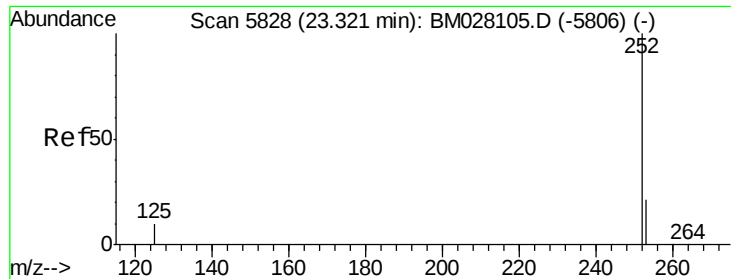
226 29.8 23.4 35.0

229 21.5 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: 0.102 ng/u1

RT: 23.32 min Scan# 5828

Delta R.T. 0.00 min

Lab File: BM028103.D

Acq: 11 Dec 2020 17:18

Instrument :

BNA_M

ClientSampleId :

SSTD0.1041

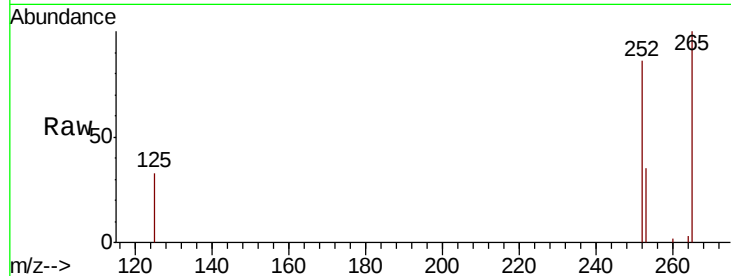
Tot Ion:252 Resp: 3356

Ion Ratio Lower Upper

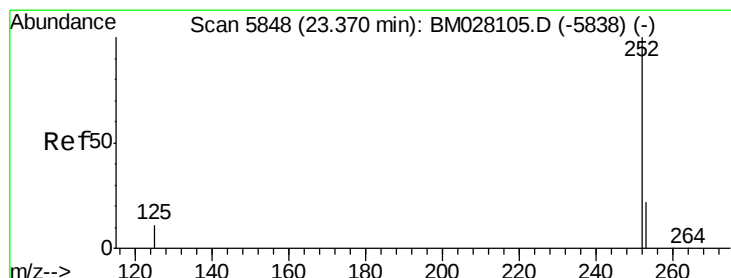
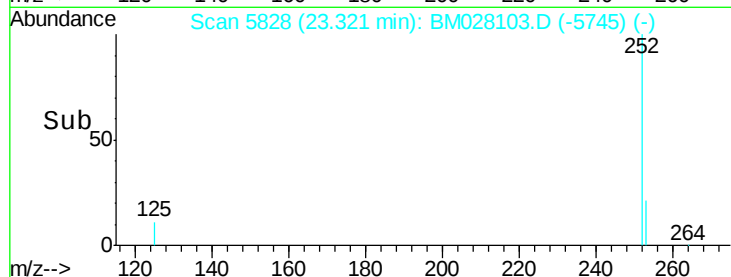
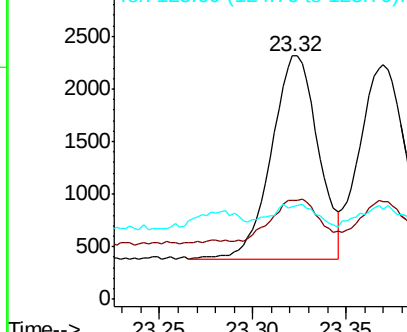
252 100

253 40.6 0.0 51.4

125 38.2 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: 0.093 ng/u1

RT: 23.37 min Scan# 5848

Delta R.T. 0.00 min

Lab File: BM028103.D

Acq: 11 Dec 2020 17:18

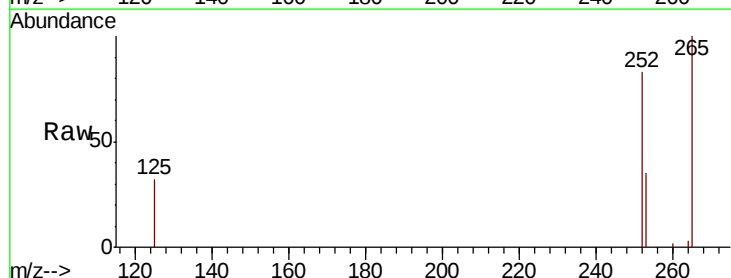
Tgt Ion:252 Resp: 3067

Ion Ratio Lower Upper

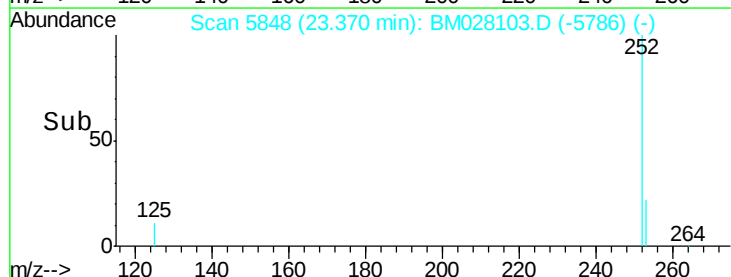
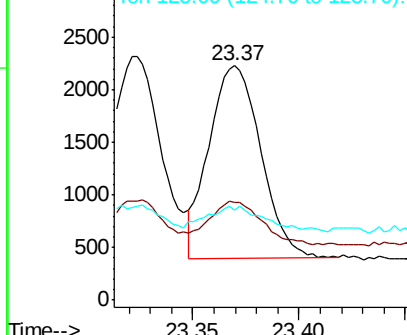
252 100

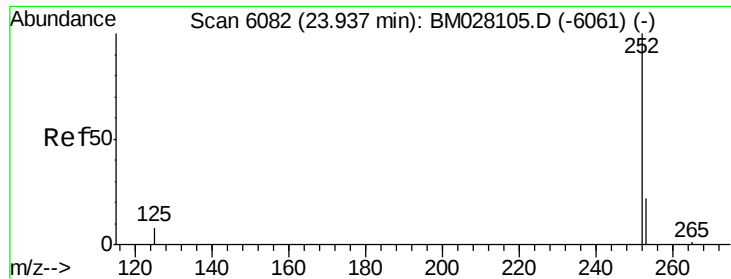
253 41.8 21.1 31.7#

125 38.7 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: 0.089 ng/u1

RT: 23.94 min Scan# 6082

Delta R.T. 0.00 min

Lab File: BM028103.D

Acq: 11 Dec 2020 17:18

Instrument :

BNA_M

ClientSampleId :

SSTD0.1041

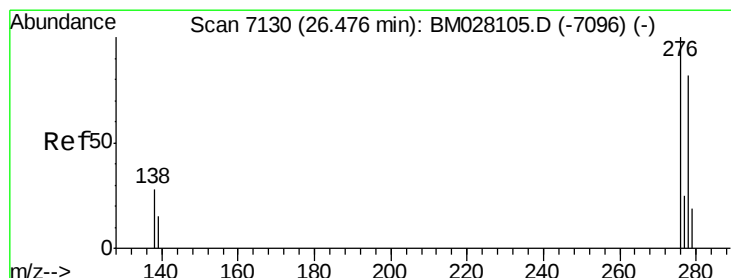
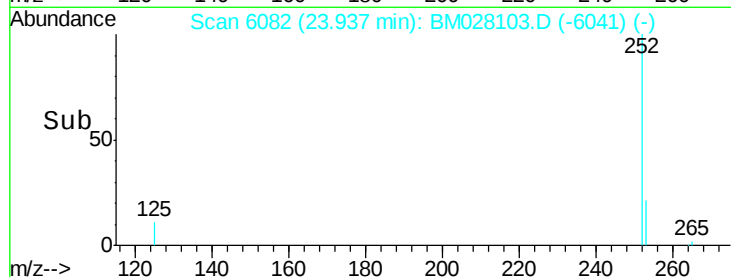
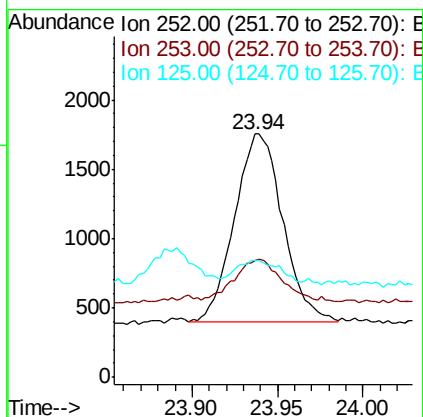
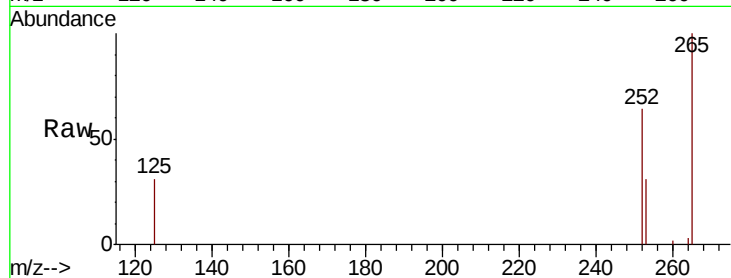
Tot Ion:252 Resp: 2668

Ion Ratio Lower Upper

252 100

253 48.1 22.3 33.5#

125 48.2 16.1 24.1#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.099 ng/u1

RT: 26.47 min Scan# 7129

Delta R.T. -0.00 min

Lab File: BM028103.D

Acq: 11 Dec 2020 17:18

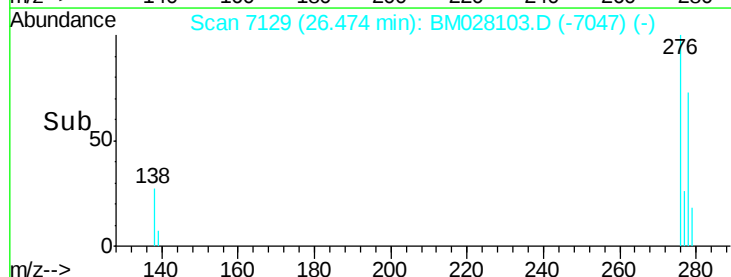
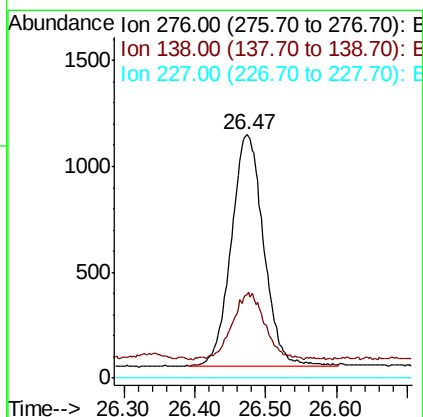
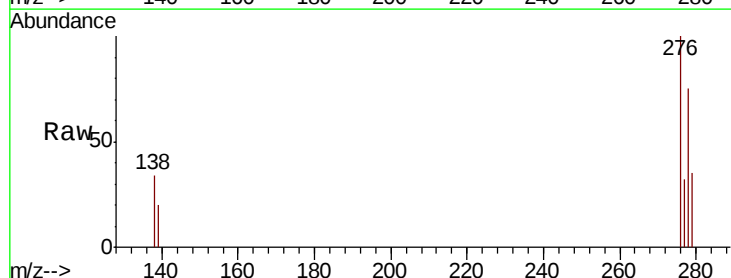
Tgt Ion:276 Resp: 3469

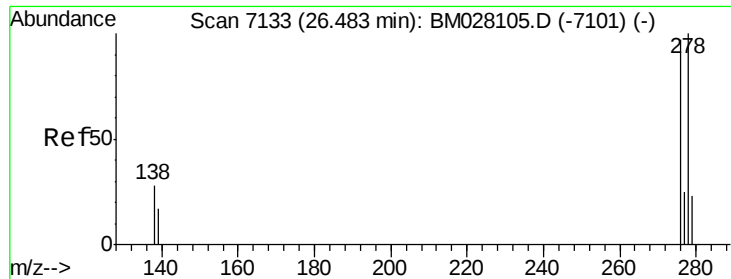
Ion Ratio Lower Upper

276 100

138 28.3 21.7 32.5

227 0.0 0.0 0.0



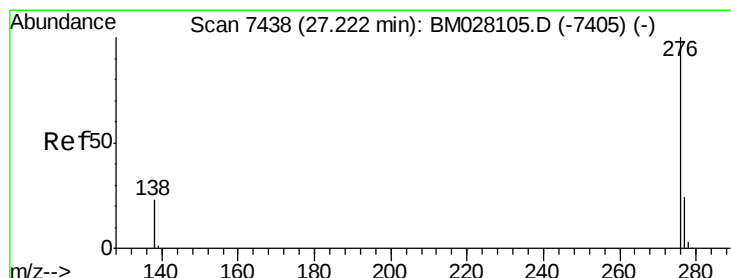
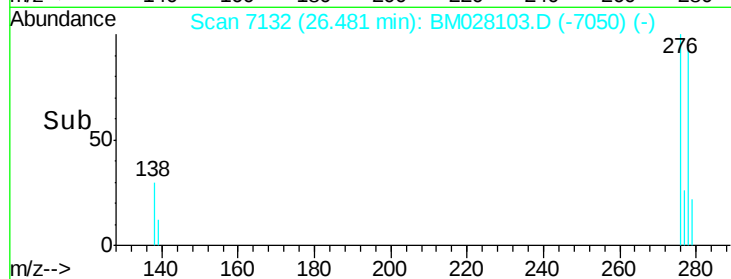
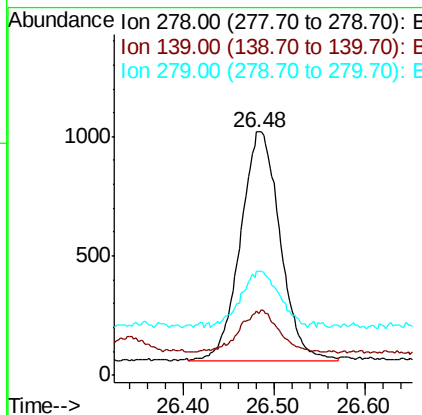
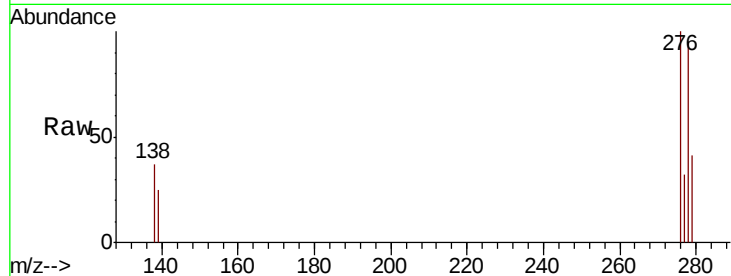


#28

Dibenzo(a,h)anthracene
Concen: 0.099 ng/ul
RT: 26.48 min Scan# 7132
Delta R.T. -0.00 min
Lab File: BM028103.D
Acq: 11 Dec 2020 17:18

Instrument :
BNA_M
ClientSampleId :
SSTD0.1041

Tot Ion:278 Resp: 2905
Ion Ratio Lower Upper
278 100
139 26.6 15.2 22.8#
279 42.7 22.2 33.4#



#29

Benzo(g,h,i)perylene
Concen: 0.101 ng/ul
RT: 27.23 min Scan# 7440
Delta R.T. 0.00 min
Lab File: BM028103.D
Acq: 11 Dec 2020 17:18

Tgt Ion:276 Resp: 3002
Ion Ratio Lower Upper
276 100
138 29.6 19.7 29.5#
277 29.3 20.6 31.0

