

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021521\
 Data File : BM028737.D
 Acq On : 15 Feb 2021 14:04
 Operator : CG/JU
 Sample : PB134601BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS601

Quant Time: Feb 15 14:35:06 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM021221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 15 11:26:28 2021
 Response via : Initial Calibration

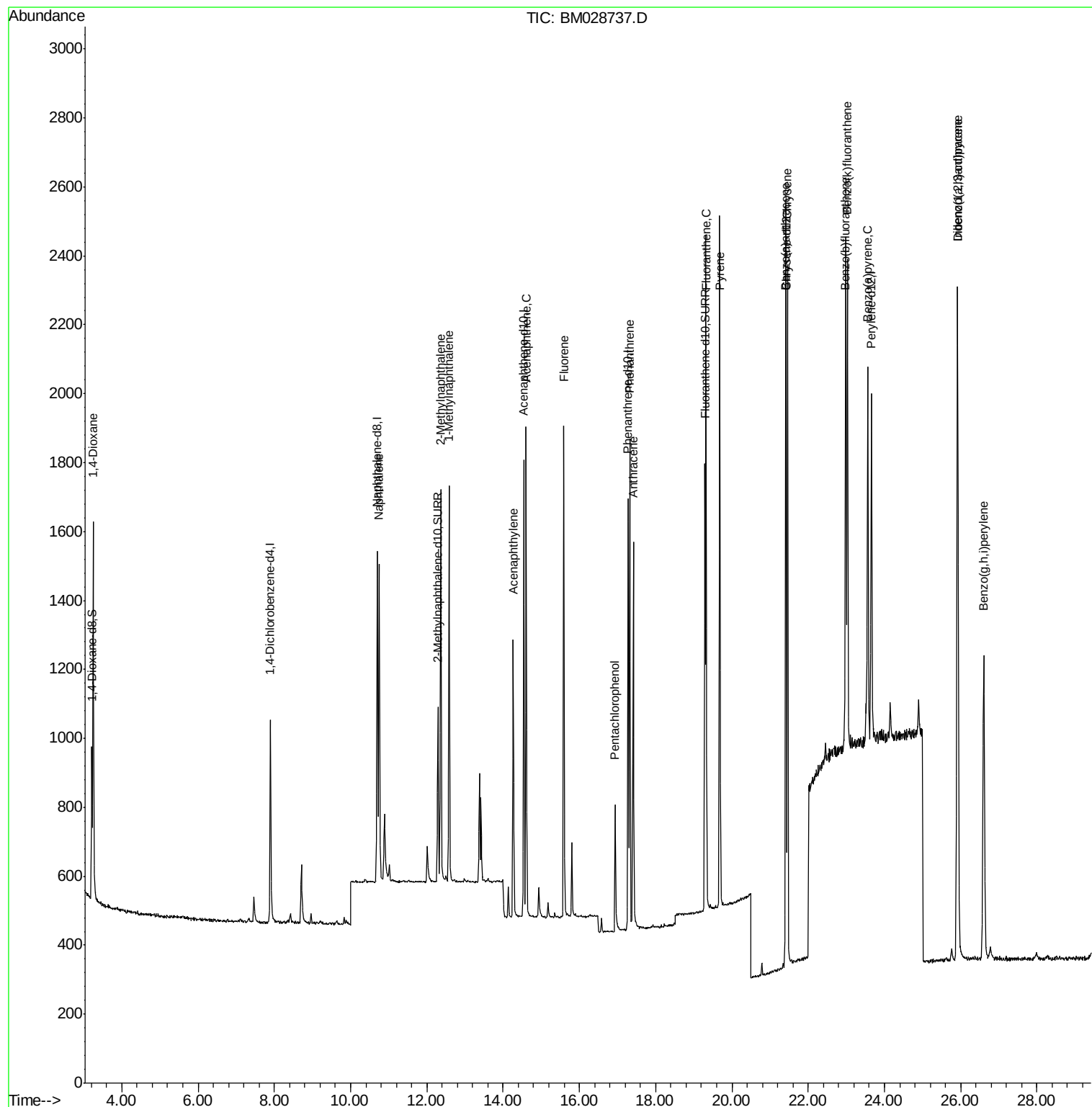
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	343	0.40	ng/ul	0.00
4) Naphthalene-d8	10.70	136	1364	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.54	164	724	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.28	188	1453	0.40	ng/ul	0.00
17) Chrysene-d12	21.43	240	1308	0.40	ng/ul	0.00
23) Perylene-d12	23.66	264	1279	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.21	96	283	0.69	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.29	152	716	0.34	ng/ul	0.00
18) Fluoranthene-d10	19.29	212	1366	0.36	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.24	88	717	1.792	ng/ul#	77
5) Naphthalene	10.75	128	1286	0.341	ng/ul	96
7) 2-Methylnaphthalene	12.36	142	843	0.326	ng/ul	100
8) 1-Methylnaphthalene	12.58	142	804	0.326	ng/ul	100
10) Acenaphthylene	14.27	152	971	0.302	ng/ul	95
11) Acenaphthene	14.60	153	850	0.337	ng/ul	99
12) Fluorene	15.59	166	943	0.328	ng/ul	98
14) Pentachlorophenol	16.94	266	297	0.746	ng/ul	100
15) Phenanthrene	17.32	178	1500	0.337	ng/ul	98
16) Anthracene	17.41	178	1331	0.324	ng/ul	97
19) Fluoranthene	19.32	202	1674	0.343	ng/ul	97
20) Pyrene	19.68	202	1711	0.343	ng/ul	98
21) Benzo(a)anthracene	21.41	228	1572	0.338	ng/ul	99
22) Chrysene	21.46	228	1687	0.351	ng/ul	99
24) Benzo(b)fluoranthene	22.98	252	1793	0.355	ng/ul	94
25) Benzo(k)fluoranthene	23.03	252	1776	0.357	ng/ul	96
26) Benzo(a)pyrene	23.56	252	1529	0.352	ng/ul	93
27) Indeno(1,2,3-cd)pyrene	25.91	276	2045	0.357	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.92	278	1708	0.356	ng/ul	97
29) Benzo(a,h,i)perylene	26.60	276	1793	0.371	ng/ul	99

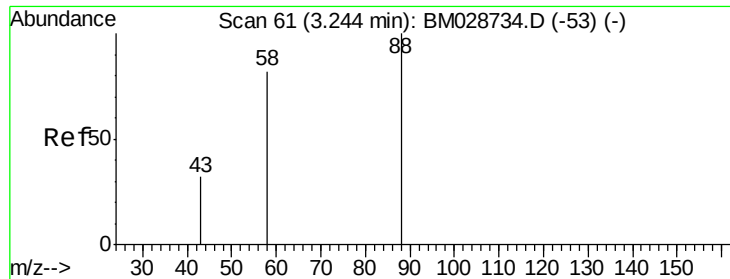
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.792 ng/ul

RT: 3.24 min Scan# 61

Delta R.T. 0.00 min

Lab File: BM028737.D

Acq: 15 Feb 2021 14:04

Instrument :

BNA_M

ClientSampleId :

SLCS601

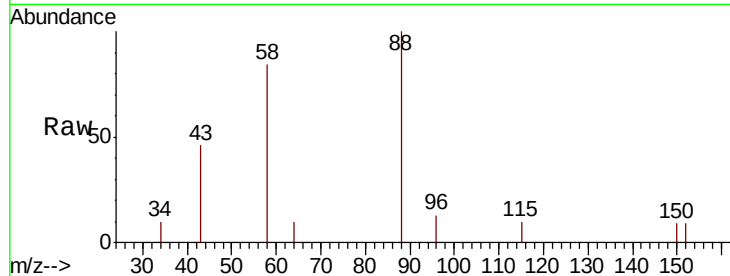
Tot Ion: 88 Resp: 717

Ion Ratio Lower Upper

88 100

43 45.5 59.5 89.3#

58 84.1 59.5 89.3



Abundance Ion 88.00 (87.70 to 88.70): BM028737.D (-53) (-)

Ion 43.00 (42.70 to 43.70): BM028737.D (-53) (-)

Ion 58.00 (57.70 to 58.70): BM028737.D (-53) (-)

3.24

600

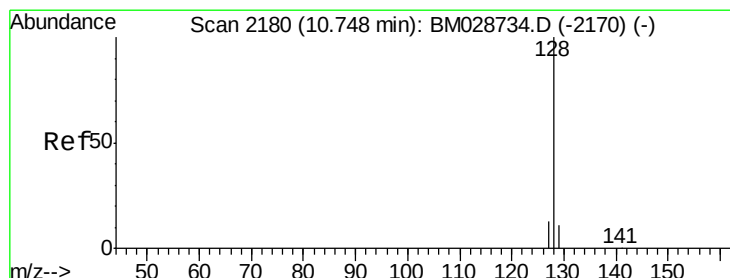
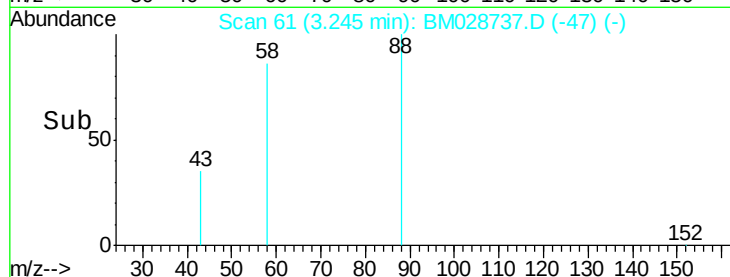
400

200

0

3.20 3.25 3.30

Time-->



#5

Naphthalene

Concen: 0.341 ng/ul

RT: 10.75 min Scan# 2180

Delta R.T. 0.00 min

Lab File: BM028737.D

Acq: 15 Feb 2021 14:04

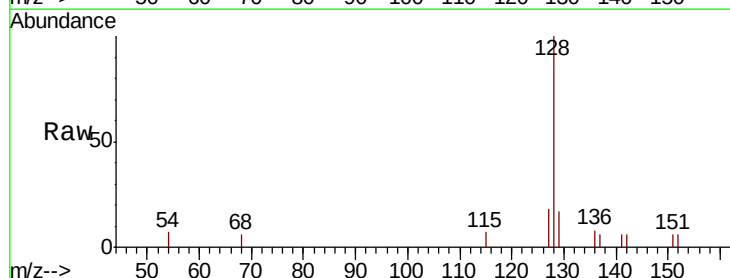
Tgt Ion: 128 Resp: 1286

Ion Ratio Lower Upper

128 100

129 16.6 11.8 17.6

127 18.3 13.3 19.9



Abundance Ion 128.00 (127.70 to 128.70): BM028737.D (-2136) (-)

Ion 129.00 (128.70 to 129.70): BM028737.D (-2136) (-)

Ion 127.00 (126.70 to 127.70): BM028737.D (-2136) (-)

10.75

1000

800

600

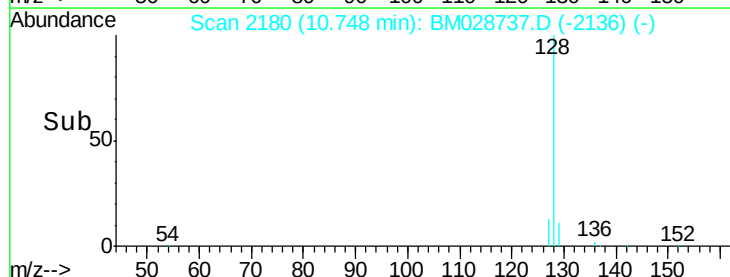
400

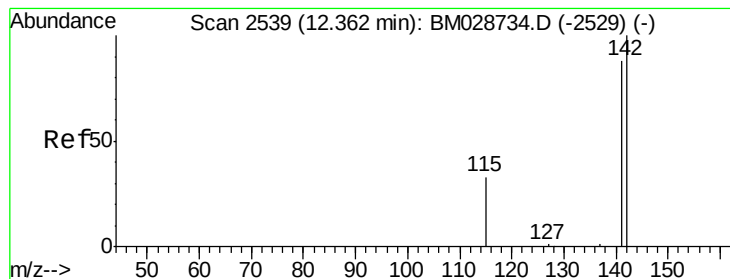
200

0

10.70 10.80 10.90

Time-->





#7

2-Methylnaphthalene

Concen: 0.326 ng/ul

RT: 12.36 min Scan# 2539

Delta R.T. 0.00 min

Lab File: BM028737.D

Acq: 15 Feb 2021 14:04

Instrument :

BNA_M

ClientSampleId :

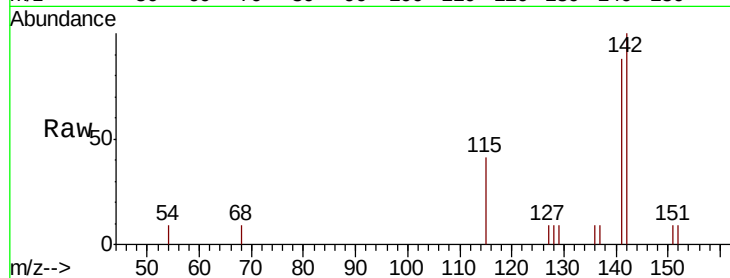
SLCS601

Tot Ion:142 Resp: 843

Ion Ratio Lower Upper

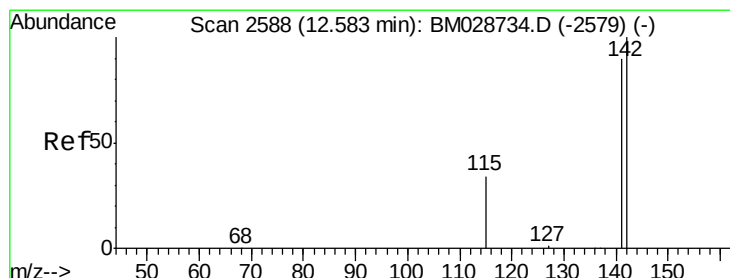
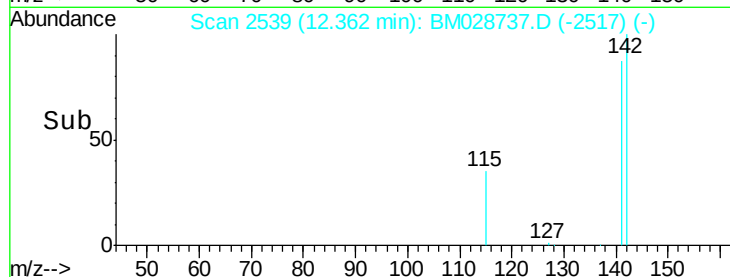
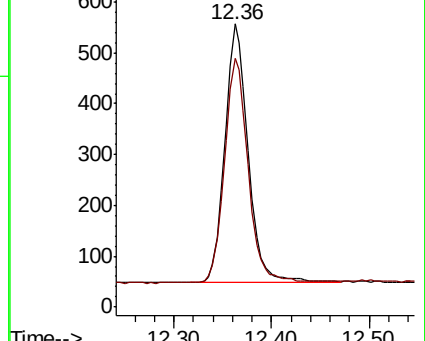
142 100

141 88.4 70.6 105.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.326 ng/ul

RT: 12.58 min Scan# 2588

Delta R.T. 0.00 min

Lab File: BM028737.D

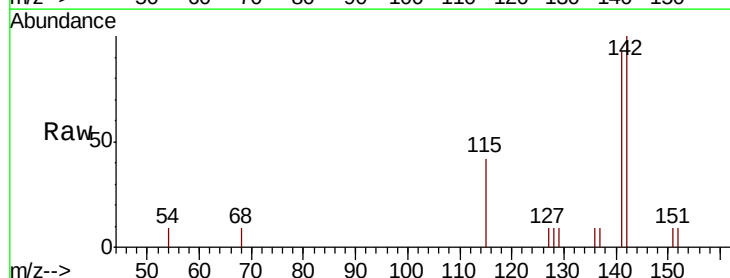
Acq: 15 Feb 2021 14:04

Tgt Ion:142 Resp: 804

Ion Ratio Lower Upper

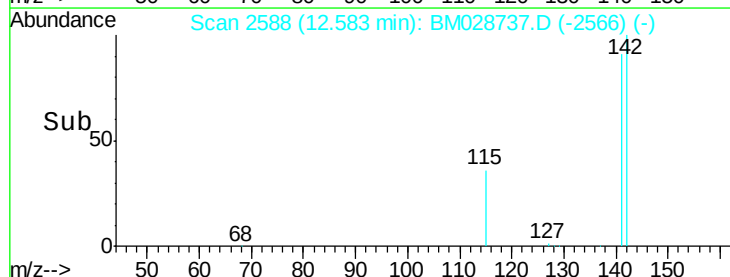
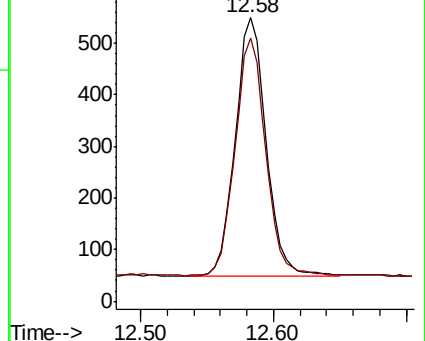
142 100

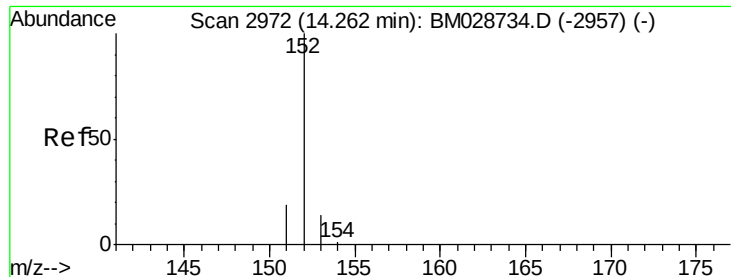
141 91.2 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.302 ng/ul

RT: 14.27 min Scan# 2973

Delta R.T. 0.00 min

Lab File: BM028737.D

Acq: 15 Feb 2021 14:04

Instrument :

BNA_M

ClientSampleId :

SLCS601

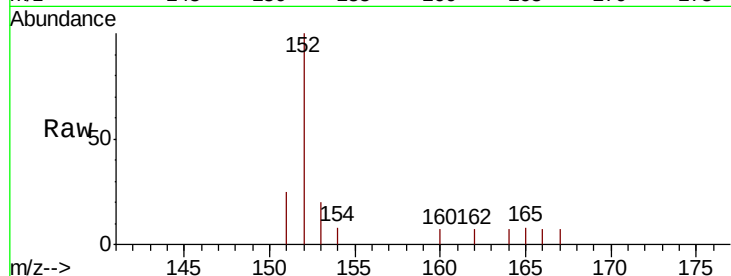
Tot Ion:152 Resp: 971

Ion Ratio Lower Upper

152 100

151 24.8 18.6 28.0

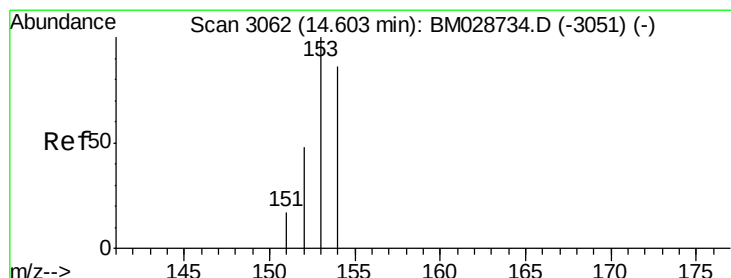
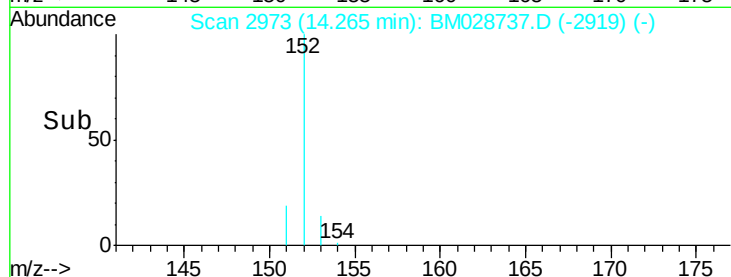
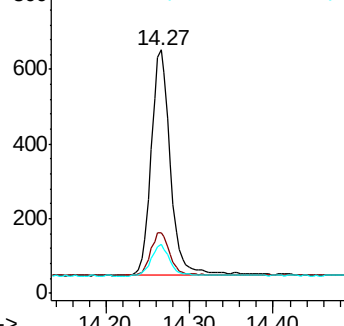
153 19.9 13.5 20.3



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: 0.337 ng/ul

RT: 14.60 min Scan# 3062

Delta R.T. 0.00 min

Lab File: BM028737.D

Acq: 15 Feb 2021 14:04

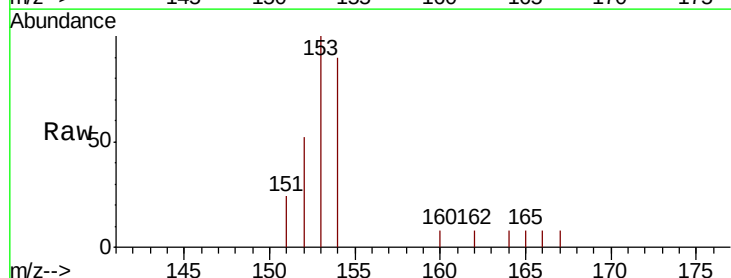
Tgt Ion:153 Resp: 850

Ion Ratio Lower Upper

153 100

152 52.5 40.7 61.1

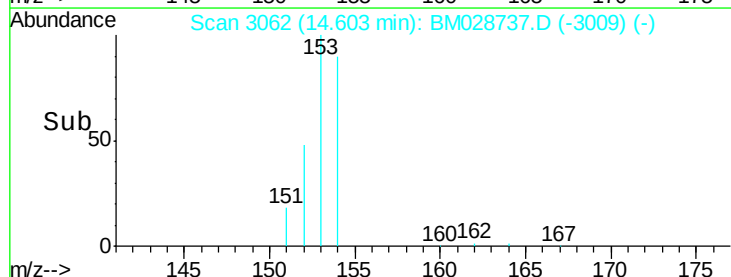
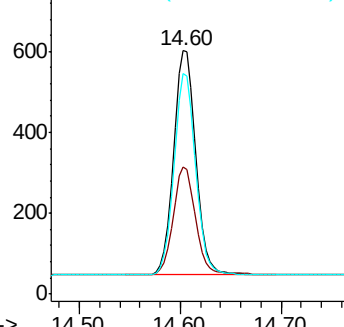
154 90.4 72.3 108.5

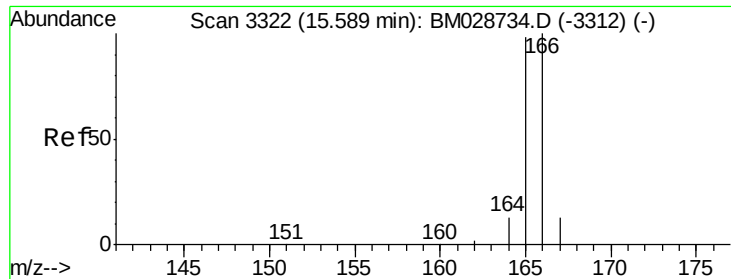


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.328 ng/ul

RT: 15.59 min Scan# 3322

Delta R.T. 0.00 min

Lab File: BM028737.D

Acq: 15 Feb 2021 14:04

Instrument :

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ClientSampleId :

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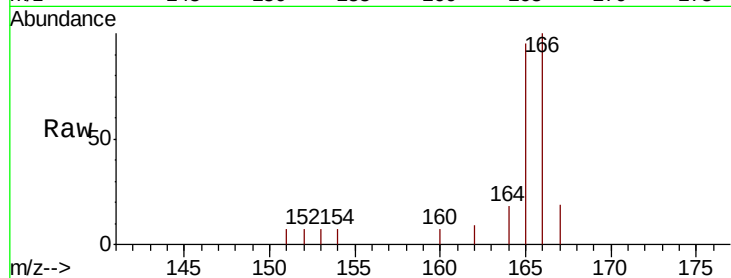
Tot Ion:166 Resp: 943

Ion Ratio Lower Upper

166 100

165 95.3 77.7 116.5

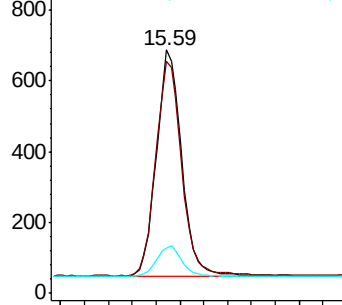
167 18.8 13.4 20.2



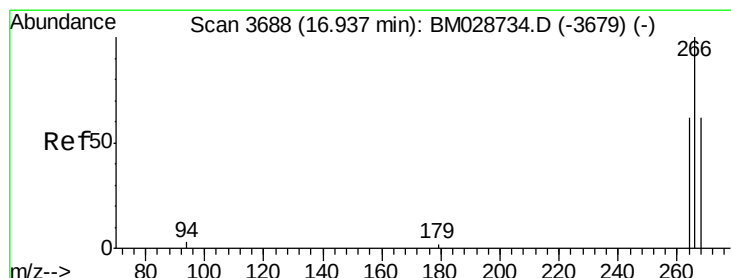
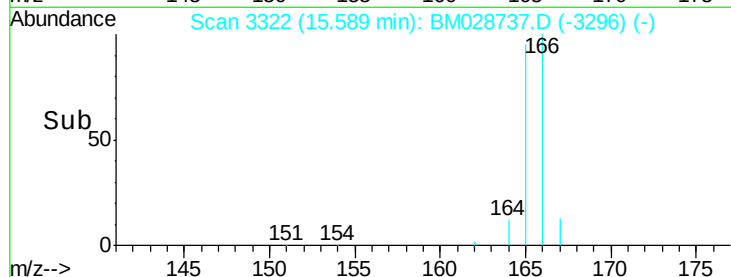
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 15.50 15.60 15.70



#14

Pentachlorophenol

Concen: 0.746 ng/ul

RT: 16.94 min Scan# 3689

Delta R.T. 0.00 min

Lab File: BM028737.D

Acq: 15 Feb 2021 14:04

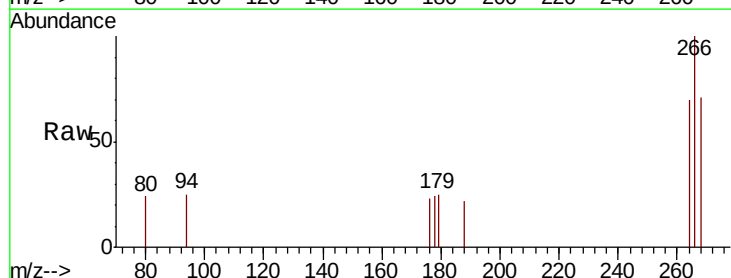
Tgt Ion:266 Resp: 297

Ion Ratio Lower Upper

266 100

264 64.6 51.6 77.4

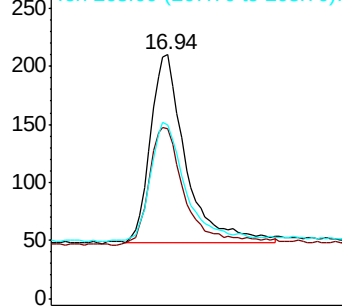
268 64.0 51.6 77.4



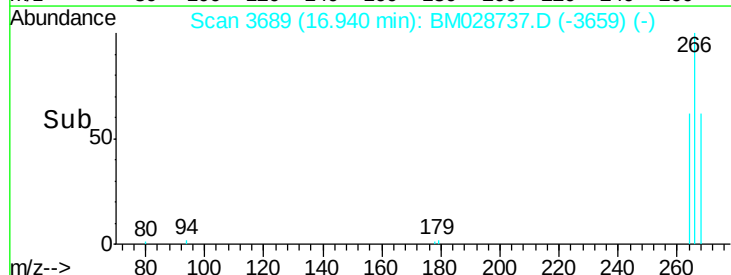
Abundance Ion 266.00 (265.70 to 266.70): E

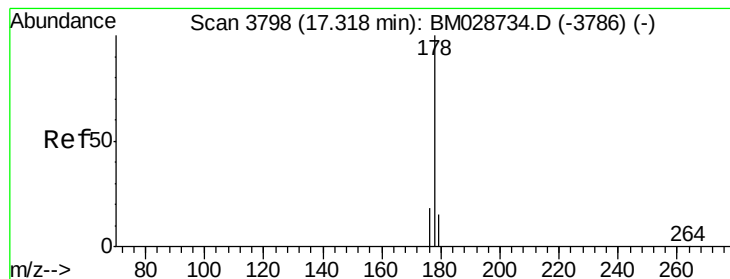
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time--> 16.90 17.00





#15

Phenanthrene

Concen: 0.337 ng/ul

RT: 17.32 min Scan# 3798

Delta R.T. 0.00 min

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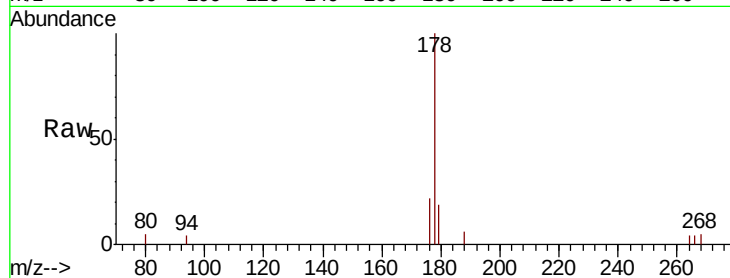
Tot Ion:178 Resp: 1500

Ion Ratio Lower Upper

178 100

179 19.0 14.7 22.1

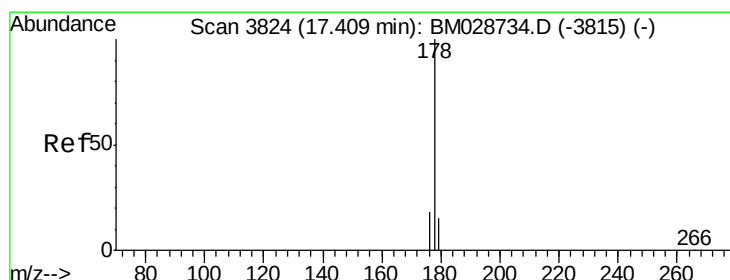
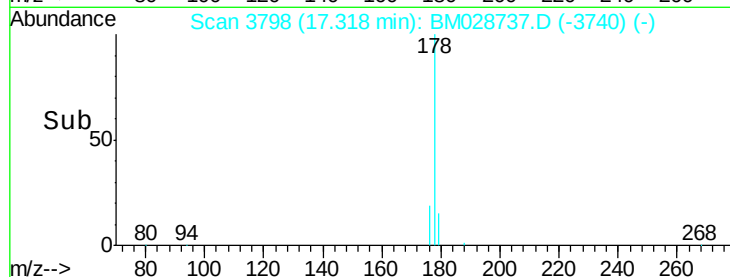
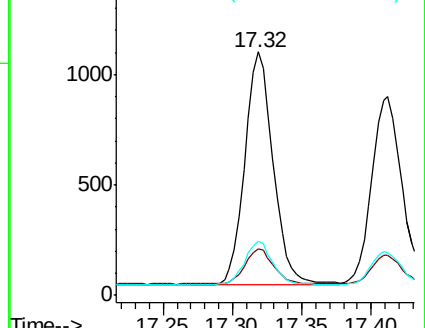
176 22.2 16.9 25.3



Abundance Ion 178.00 (177.70 to 178.70): E

1500 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#16

Anthracene

Concen: 0.324 ng/ul

RT: 17.41 min Scan# 3825

Delta R.T. 0.00 min

Lab File: BM028737.D

Acq: 15 Feb 2021 14:04

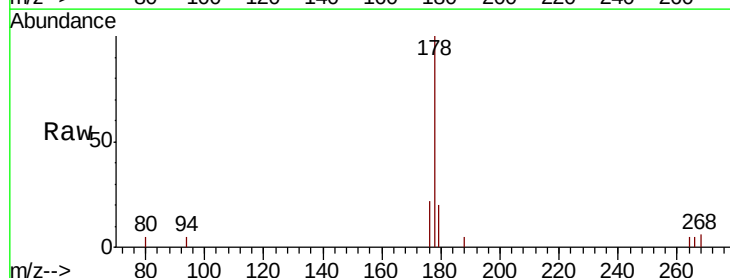
Tgt Ion:178 Resp: 1331

Ion Ratio Lower Upper

178 100

179 19.9 14.7 22.1

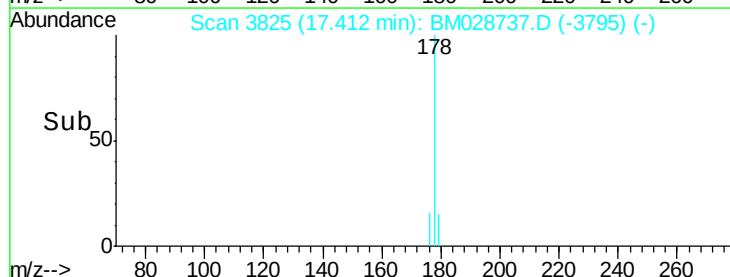
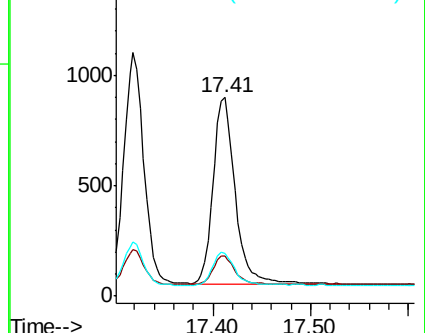
176 21.8 16.6 25.0

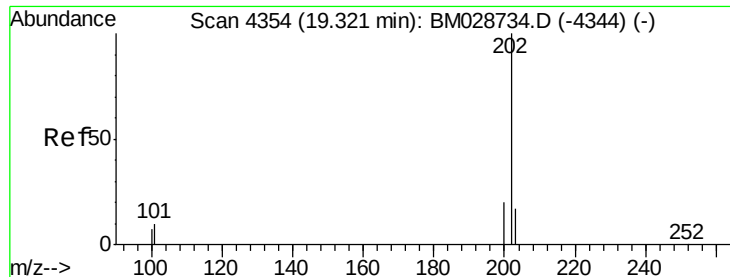


Abundance Ion 178.00 (177.70 to 178.70): E

1500 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.343 ng/ul

RT: 19.32 min Scan# 4354

Delta R.T. 0.00 min

Lab File: BM028737.D

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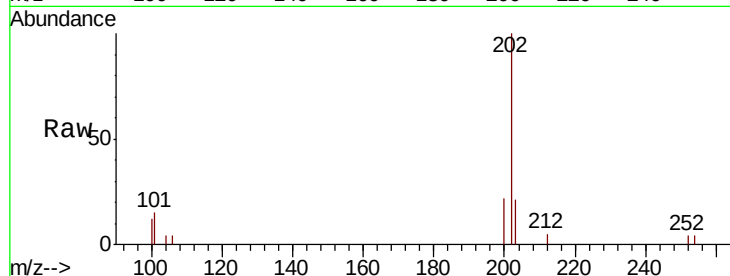
Tot Ion:202 Resp: 1674

Ion Ratio Lower Upper

202 100

101 14.6 10.6 16.0

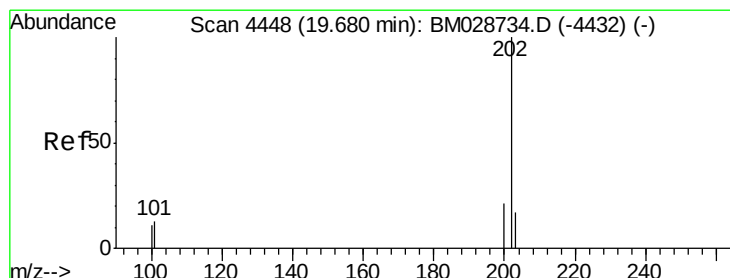
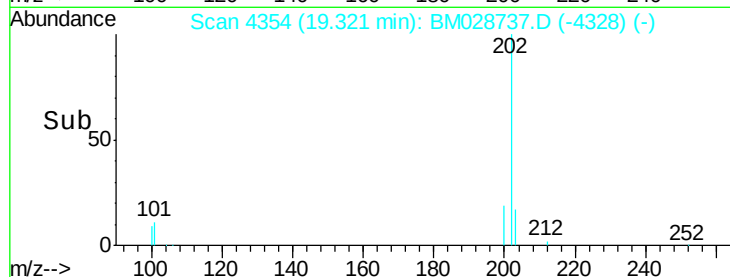
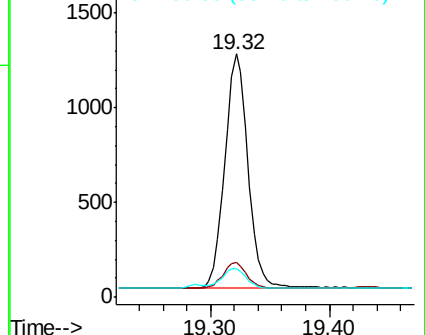
100 11.9 8.6 13.0



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: 0.343 ng/ul

RT: 19.68 min Scan# 4449

Delta R.T. 0.00 min

Lab File: BM028737.D

Acq: 15 Feb 2021 14:04

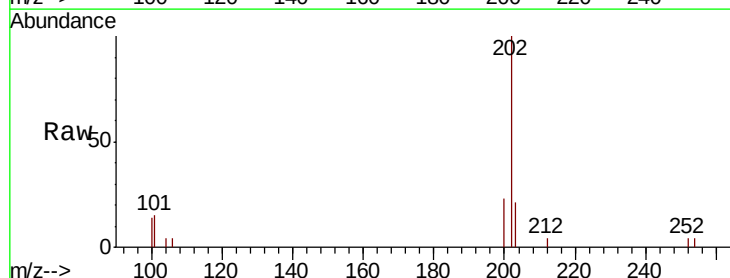
Tgt Ion:202 Resp: 1711

Ion Ratio Lower Upper

202 100

101 15.0 12.3 18.5

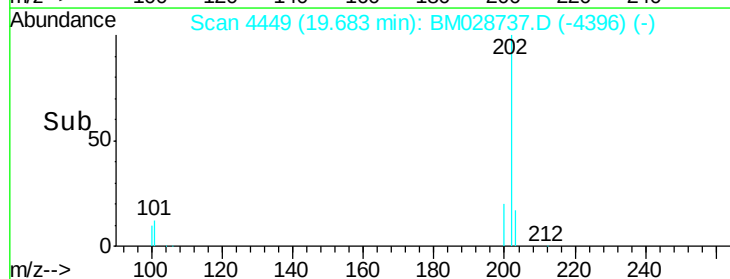
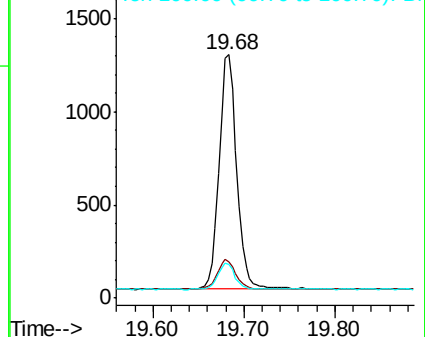
100 13.7 10.2 15.2

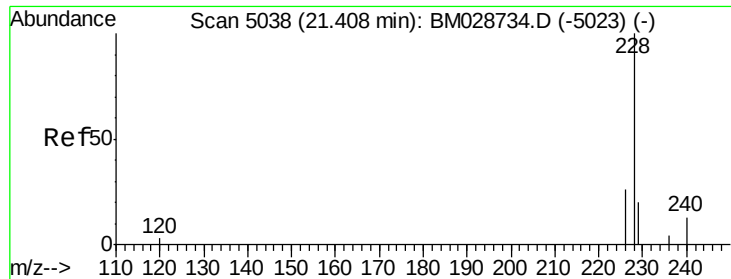


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.338 ng/ul

RT: 21.41 min Scan# 5039

Delta R.T. 0.00 min

Lab File: BM028737.D

Acq: 15 Feb 2021 14:04

Instrument :

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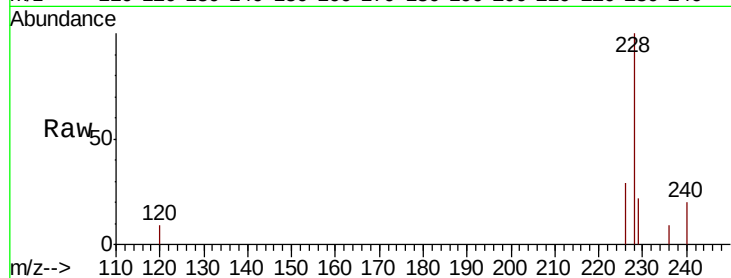
Tot Ion:228 Resp: 1572

Ion Ratio Lower Upper

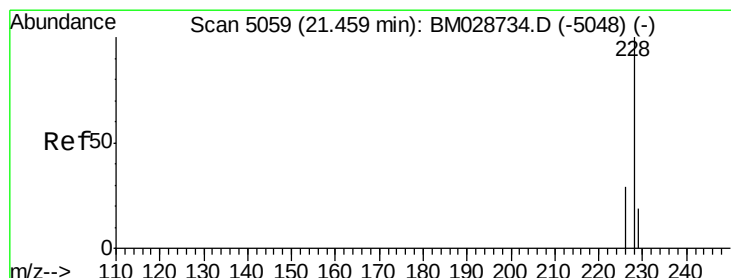
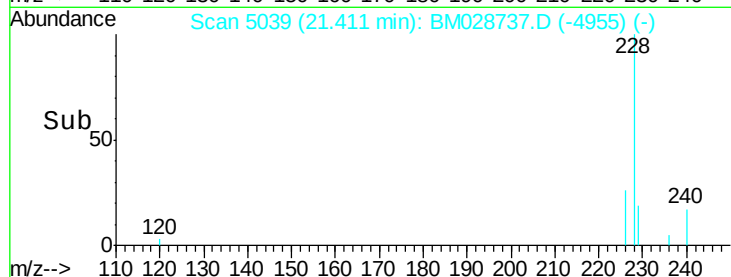
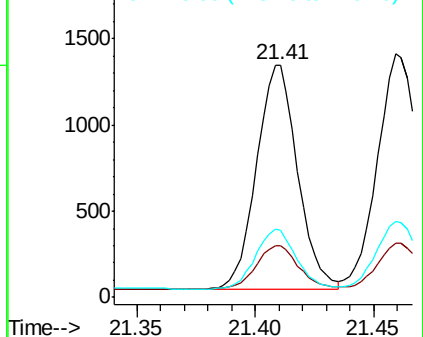
228 100

229 22.0 17.4 26.0

226 28.6 22.1 33.1



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: 0.351 ng/ul

RT: 21.46 min Scan# 5059

Delta R.T. 0.00 min

Lab File: BM028737.D

Acq: 15 Feb 2021 14:04

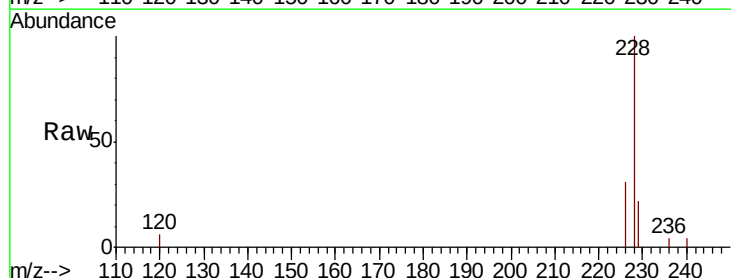
Tgt Ion:228 Resp: 1687

Ion Ratio Lower Upper

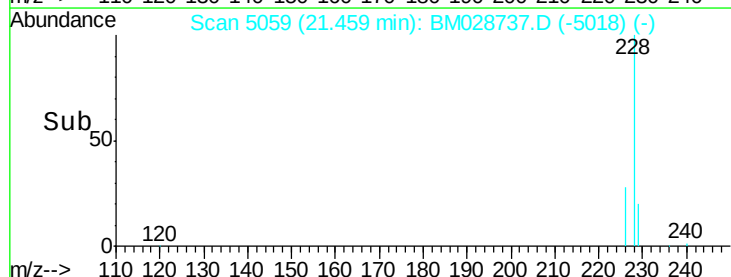
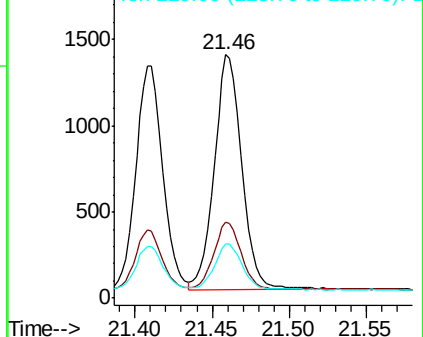
228 100

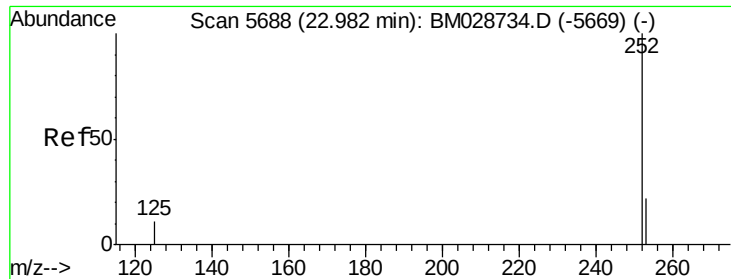
226 31.0 24.7 37.1

229 22.4 17.3 25.9



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: 0.355 ng/ul

RT: 22.98 min Scan# 5689

Delta R.T. 0.00 min

Lab File: BM028737.D

Acq: 15 Feb 2021 14:04

Instrument :

BNA_M

ClientSampleId :

SLCS601

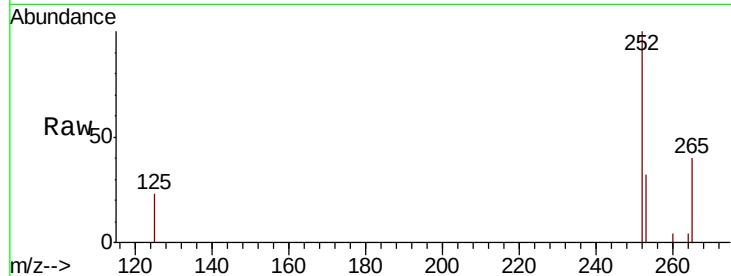
Tot Ion:252 Resp: 1793

Ion Ratio Lower Upper

252 100

253 32.0 0.0 57.2

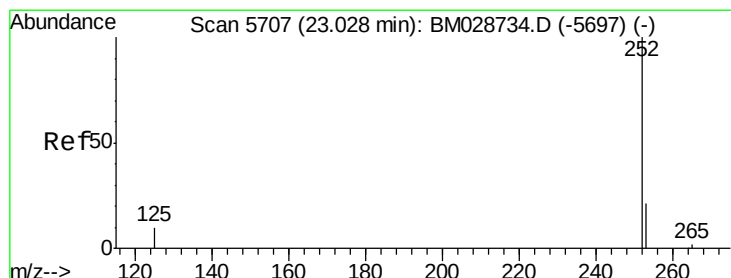
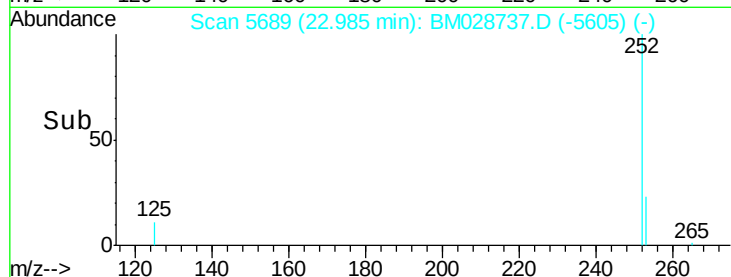
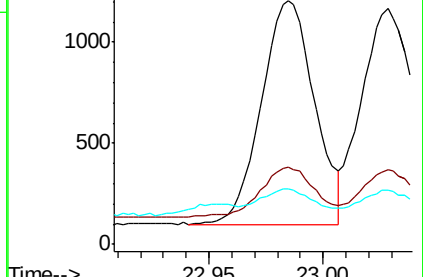
125 22.9 0.0 40.6



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



#25

Benzo(k)fluoranthene

Concen: 0.357 ng/ul

RT: 23.03 min Scan# 5707

Delta R.T. 0.00 min

Lab File: BM028737.D

Acq: 15 Feb 2021 14:04

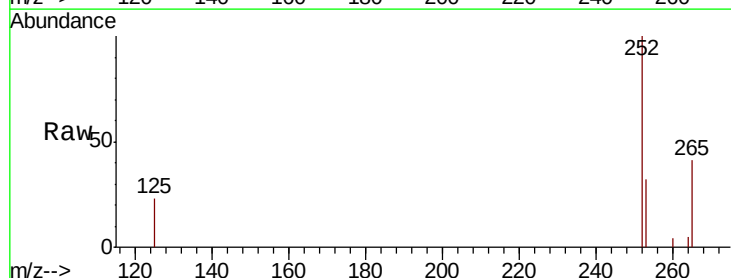
Tgt Ion:252 Resp: 1776

Ion Ratio Lower Upper

252 100

253 31.5 24.0 36.0

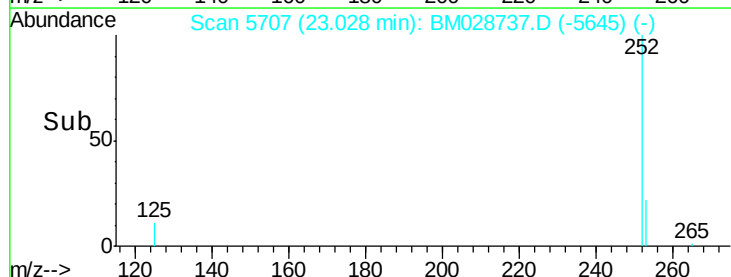
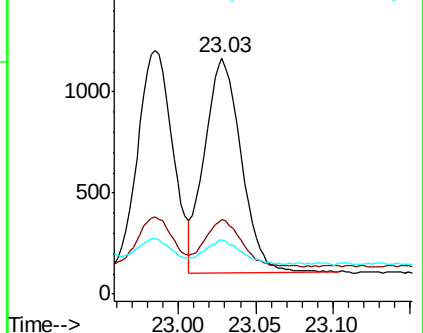
125 23.0 16.3 24.5

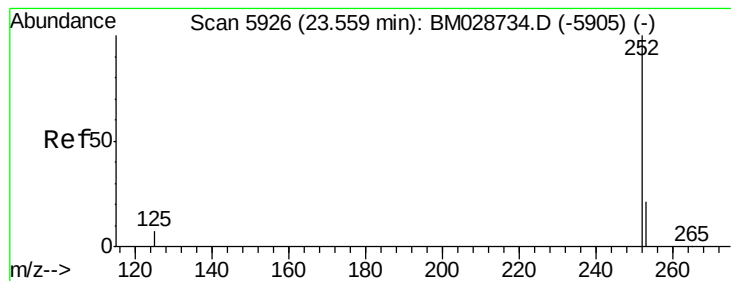


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.352 ng/ul

RT: 23.56 min Scan# 5927

Delta R.T. 0.00 min

Lab File: BM028737.D

Acq: 15 Feb 2021 14:04

Instrument :

BNA_M

ClientSampleId :

SLCS601

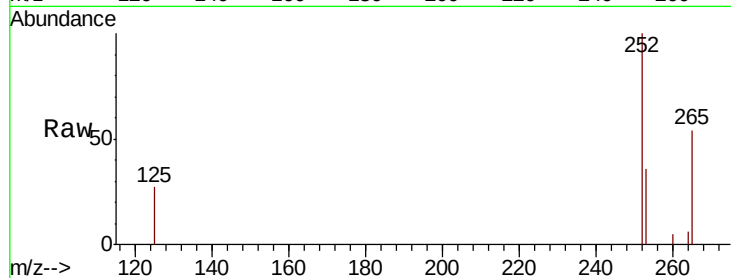
Tot Ion:252 Resp: 1529

Ion Ratio Lower Upper

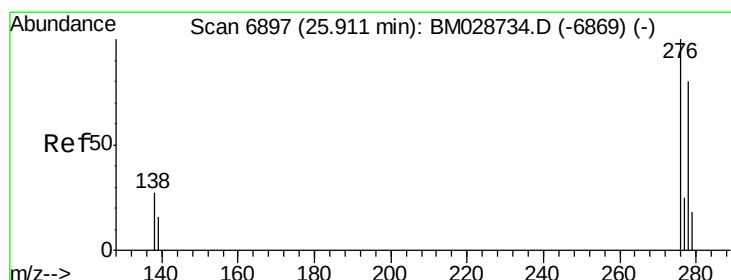
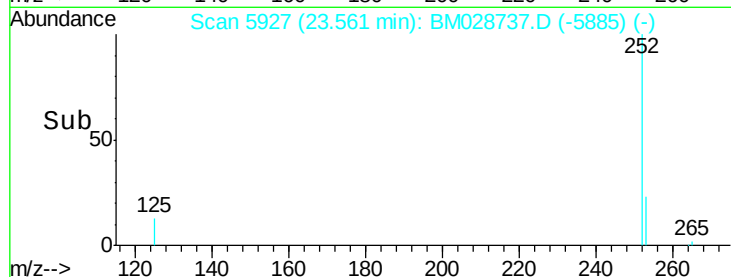
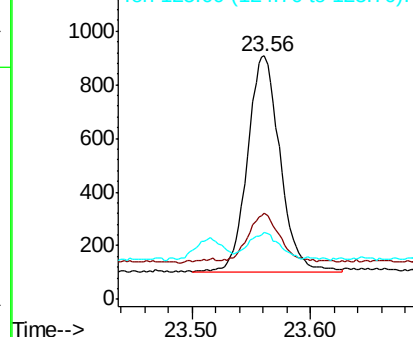
252 100

253 35.6 25.0 37.6

125 27.4 19.7 29.5



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: 0.357 ng/ul

RT: 25.91 min Scan# 6897

Delta R.T. 0.00 min

Lab File: BM028737.D

Acq: 15 Feb 2021 14:04

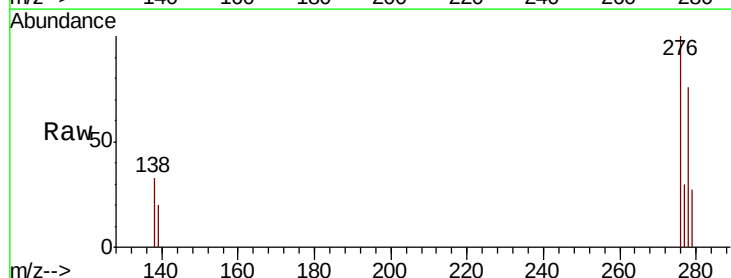
Tgt Ion:276 Resp: 2045

Ion Ratio Lower Upper

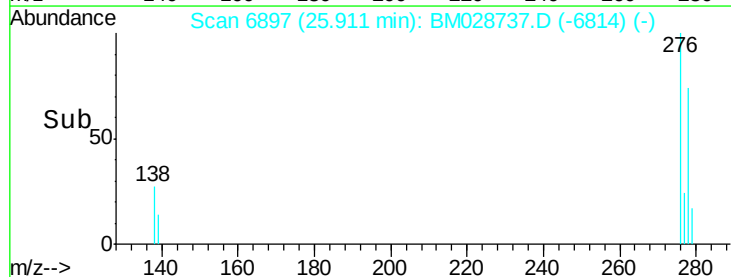
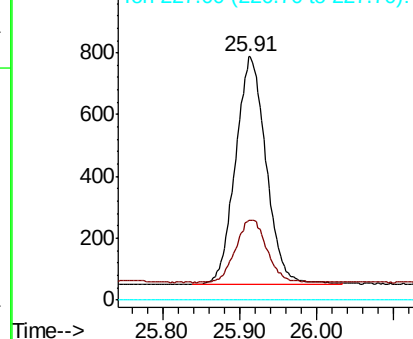
276 100

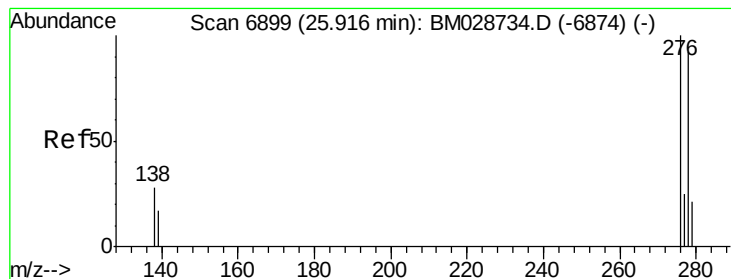
138 28.2 22.8 34.2

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: 0.356 ng/ul

RT: 25.92 min Scan# 6901

Delta R.T. 0.00 min

Lab File: BM028737.D

Acq: 15 Feb 2021 14:04

Instrument :

BNA_M

ClientSampleId :

SLCS601

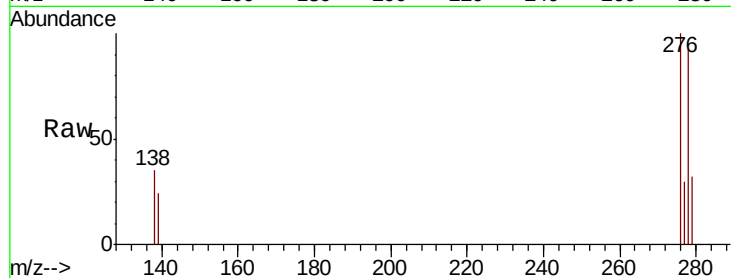
Tot Ion:278 Resp: 1708

Ion Ratio Lower Upper

278 100

139 25.6 18.9 28.3

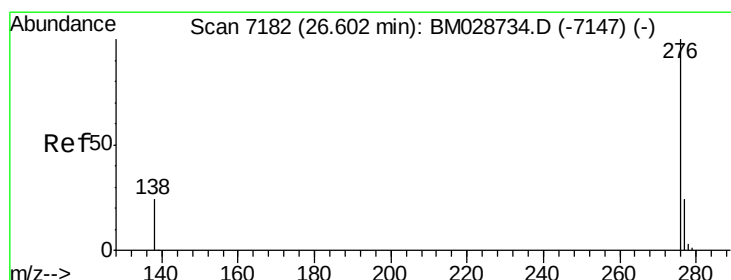
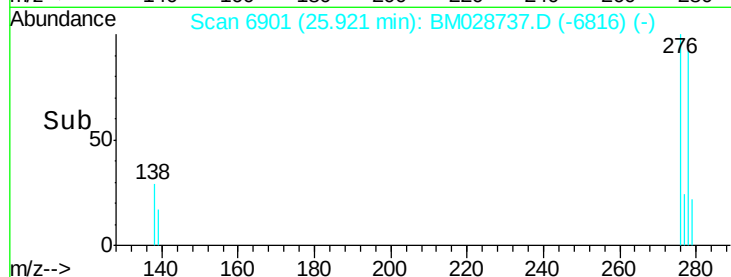
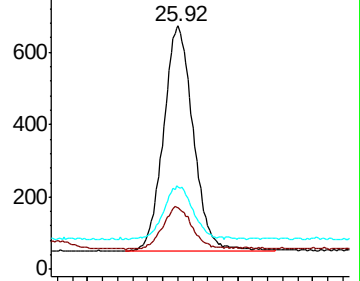
279 34.0 26.1 39.1



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: 0.371 ng/ul

RT: 26.60 min Scan# 7182

Delta R.T. 0.00 min

Lab File: BM028737.D

Acq: 15 Feb 2021 14:04

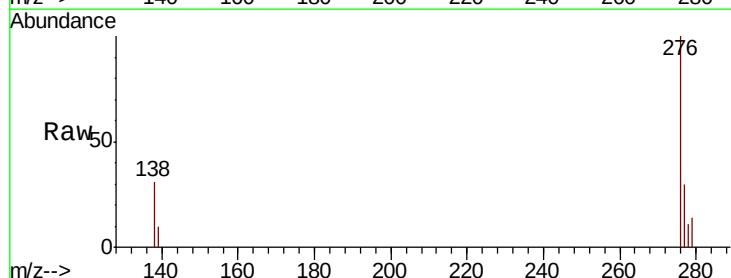
Tgt Ion:276 Resp: 1793

Ion Ratio Lower Upper

276 100

138 30.6 23.8 35.8

277 29.6 23.1 34.7



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

