

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051421\
 Data File : BM030024.D
 Acq On : 14 May 2021 18:40
 Operator : CG/JU
 Sample : PB136111BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS111

Quant Time: May 14 19:10:58 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 17:21:45 2021
 Response via : Initial Calibration

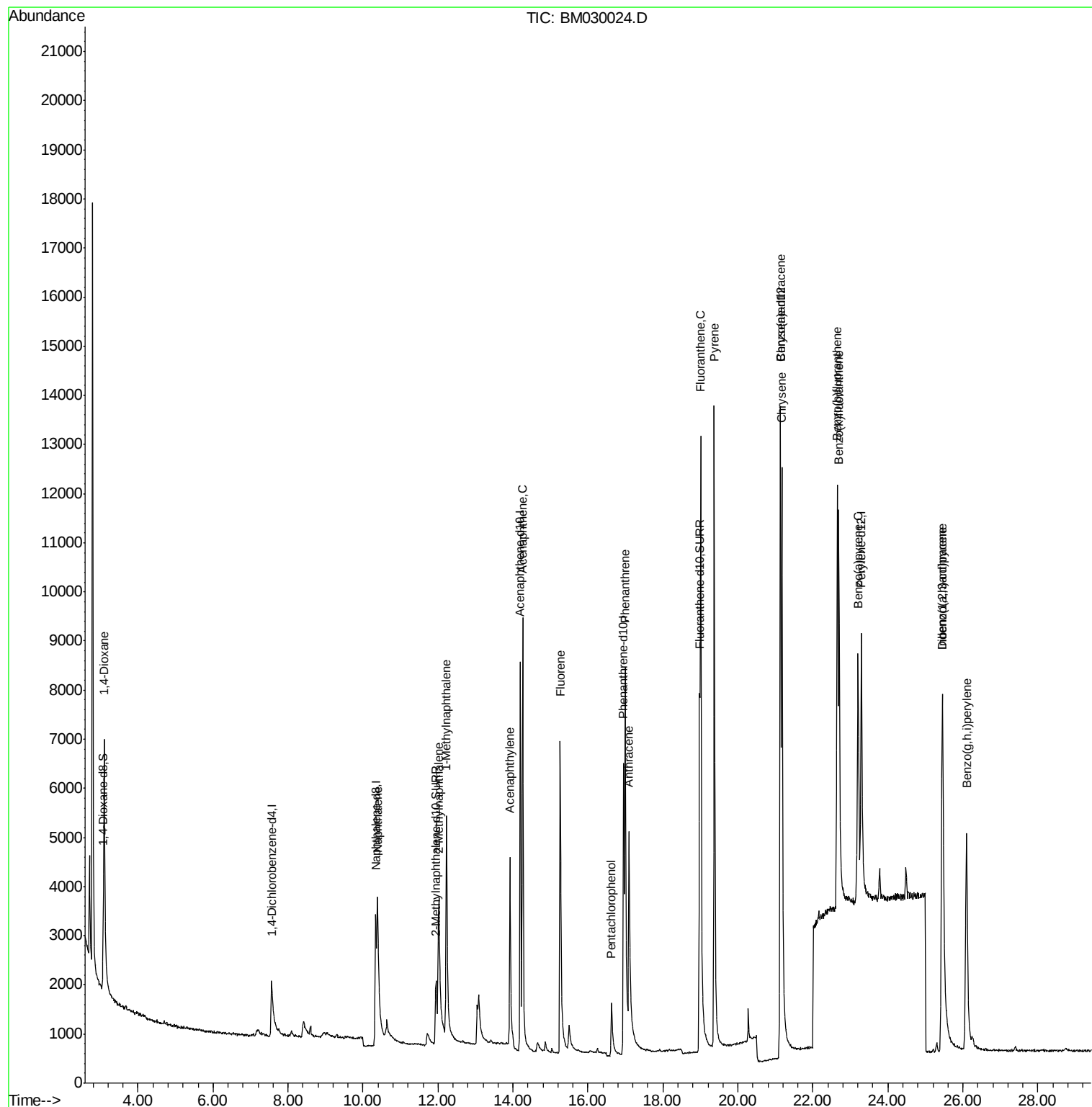
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	1511	0.40	ng/ul	0.00
4) Naphthalene-d8	10.34	136	8418	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.19	164	5633	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.95	188	10976	0.40	ng/ul	0.00
17) Chrysene-d12	21.14	240	9994	0.40	ng/ul	0.00
23) Perylene-d12	23.29	264	8925	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.07	96	1663	0.71	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.94	152	4005	0.33	ng/ul	0.01
18) Fluoranthene-d10	18.97	212	11471	0.37	ng/ul	0.00
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.10	88	4158	1.873	ng/ul#	76
5) Naphthalene	10.39	128	7476	0.325	ng/ul	97
7) 2-Methylnaphthalene	12.02	142	4818	0.314	ng/ul	99
8) 1-Methylnaphthalene	12.23	142	4928	0.328	ng/ul	100
10) Acenaphthylene	13.92	152	6772	0.290	ng/ul	98
11) Acenaphthene	14.26	153	6577	0.319	ng/ul	98
12) Fluorene	15.26	166	6987	0.319	ng/ul	100
14) Pentachlorophenol	16.63	266	1411	0.577	ng/ul	99
15) Phenanthrene	16.99	178	11222	0.336	ng/ul	100
16) Anthracene	17.09	178	8675	0.309	ng/ul	99
19) Fluoranthene	19.01	202	14511	0.358	ng/ul	99
20) Pyrene	19.37	202	15712	0.370	ng/ul	99
21) Benzo(a)anthracene	21.12	228	10541	0.348	ng/ul	99
22) Chrysene	21.17	228	14810	0.376	ng/ul	99
24) Benzo(b)fluoranthene	22.65	252	12505	0.384	ng/ul	99
25) Benzo(k)fluoranthene	22.69	252	14846	0.378	ng/ul	98
26) Benzo(a)pyrene	23.21	252	11224	0.362	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.44	276	13400	0.327	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.46	278	10554	0.319	ng/ul	97
29) Benzo(g,h,i)perylene	26.10	276	12196	0.336	ng/ul	99

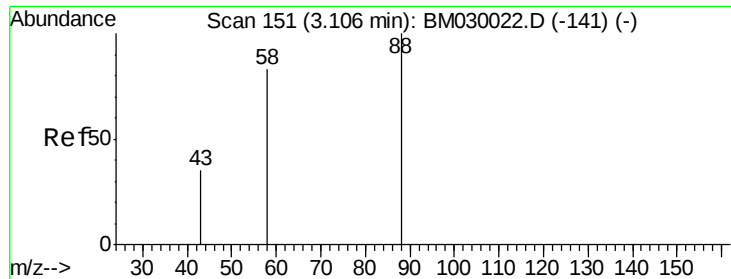
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.873 ng/ul

RT: 3.10 min Scan# 148

Delta R.T. -0.01 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

Instrument :

BNA_M

ClientSampleId :

SLCS111

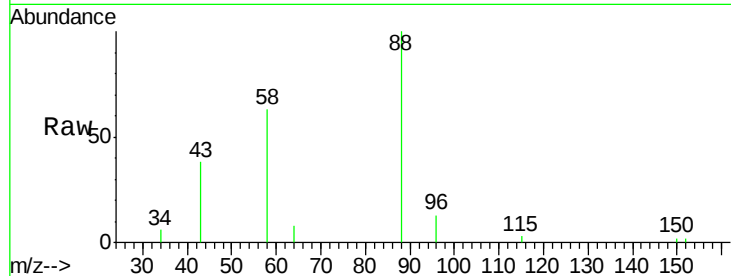
Tgt Ion: 88 Resp: 4158

Ion Ratio Lower Upper

88 100

43 37.6 36.6 54.8

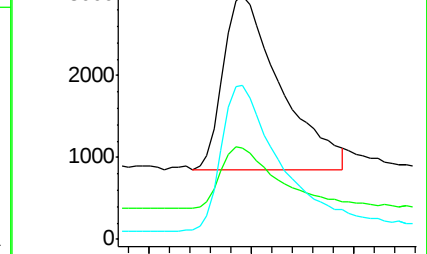
58 63.1 32.0 48.0#



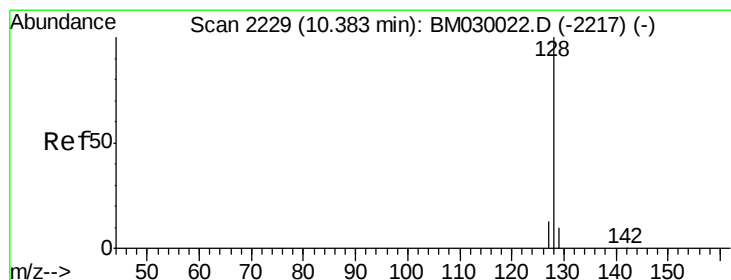
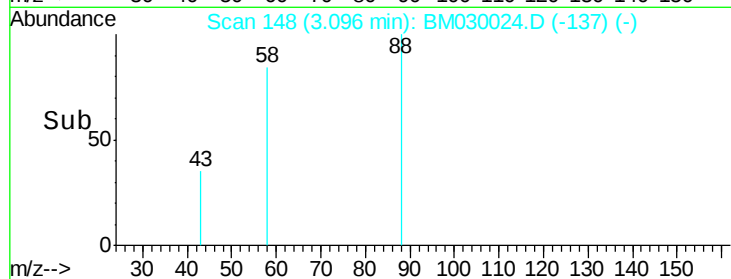
Abundance Ion 88.00 (87.70 to 88.70): BM030022.D (-141) (-)

Ion 43.00 (42.70 to 43.70): BM030022.D (-141) (-)

Ion 58.00 (57.70 to 58.70): BM030022.D (-141) (-)



Time-->



#5

Naphthalene

Concen: 0.325 ng/ul

RT: 10.39 min Scan# 2230

Delta R.T. 0.01 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

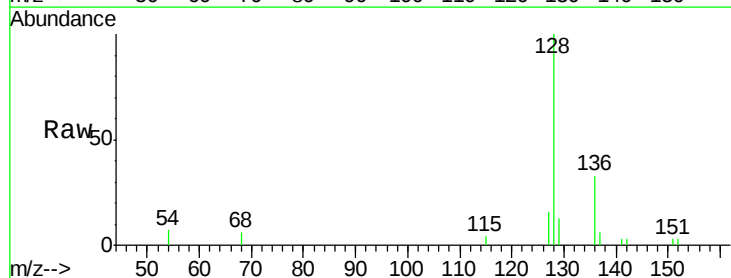
Tgt Ion: 128 Resp: 7476

Ion Ratio Lower Upper

128 100

129 13.4 9.9 14.9

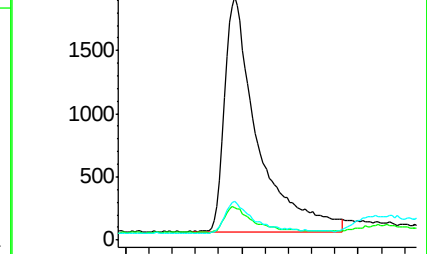
127 15.9 11.4 17.0



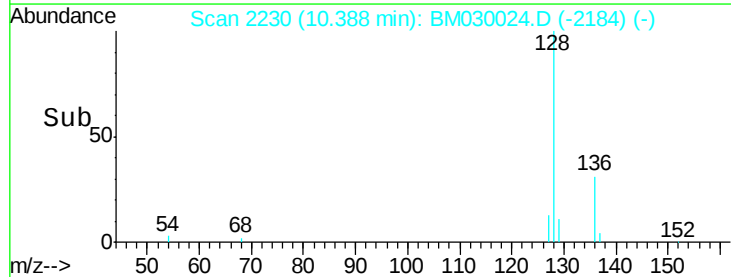
Abundance Ion 128.00 (127.70 to 128.70): BM030022.D (-2217) (-)

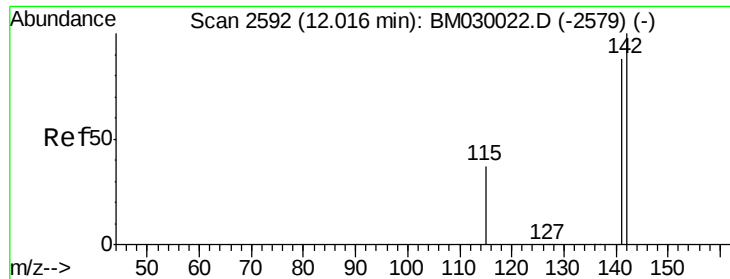
Ion 129.00 (128.70 to 129.70): BM030022.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): BM030022.D (-2217) (-)



Time-->





#7

2-Methylnaphthalene

Concen: 0.314 ng/ul

RT: 12.02 min Scan# 2593

Delta R.T. 0.01 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

Instrument :

BNA_M

ClientSampleId :

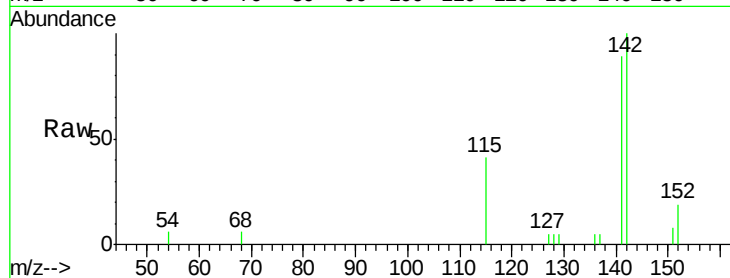
SLCS111

Tgt Ion:142 Resp: 4818

Ion Ratio Lower Upper

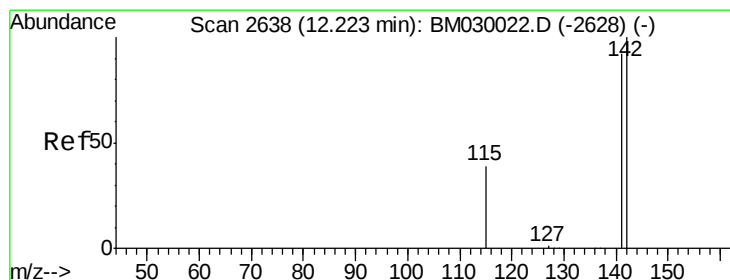
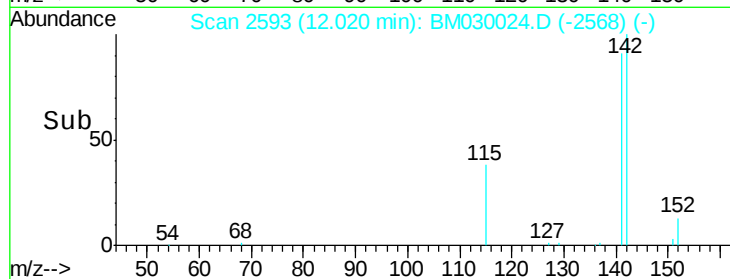
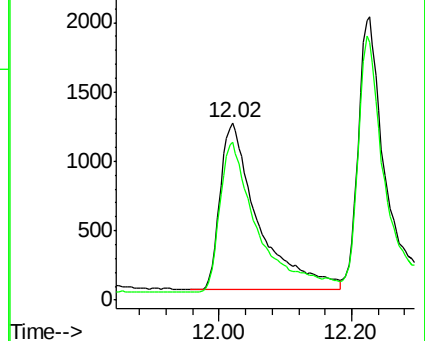
142 100

141 91.8 72.8 109.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.328 ng/ul

RT: 12.23 min Scan# 2639

Delta R.T. 0.01 min

Lab File: BM030024.D

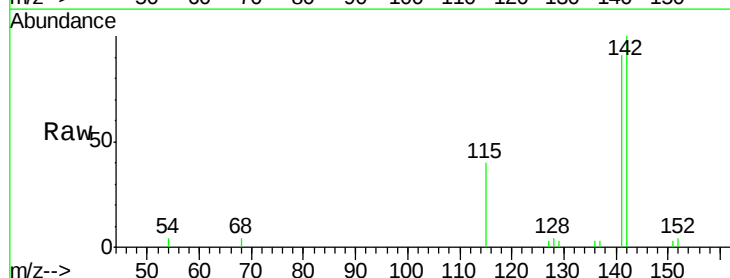
Acq: 14 May 2021 18:40

Tgt Ion:142 Resp: 4928

Ion Ratio Lower Upper

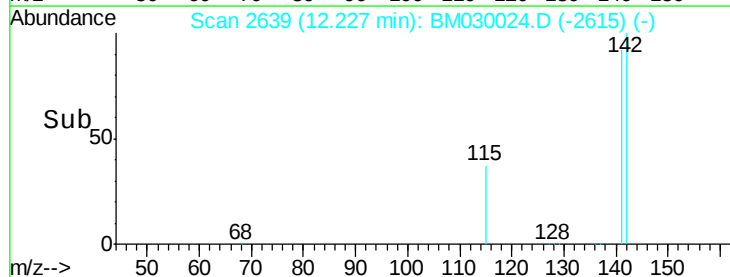
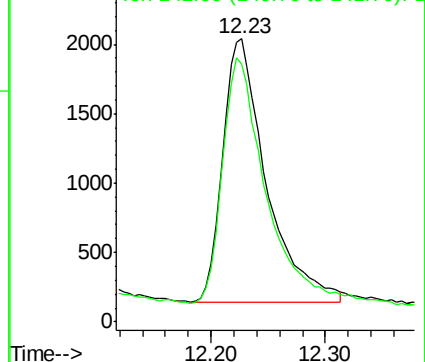
142 100

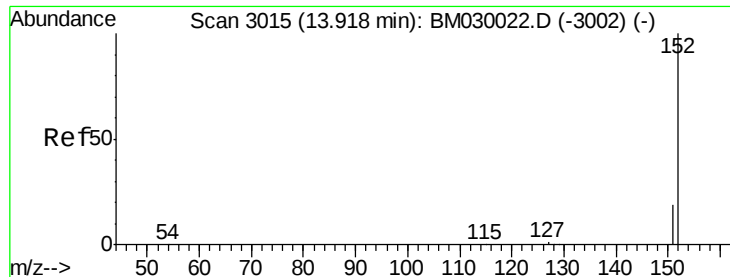
141 92.0 73.3 109.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.290 ng/ul

RT: 13.92 min Scan# 3015

Delta R.T. -0.00 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

Instrument :

BNA_M

ClientSampleId :

SLCS111

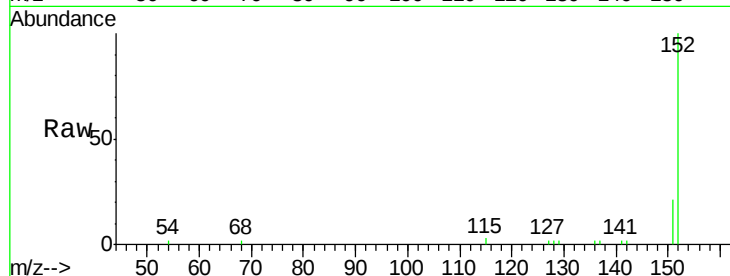
Tgt Ion:152 Resp: 6772

Ion Ratio Lower Upper

152 100

151 21.5 16.5 24.7

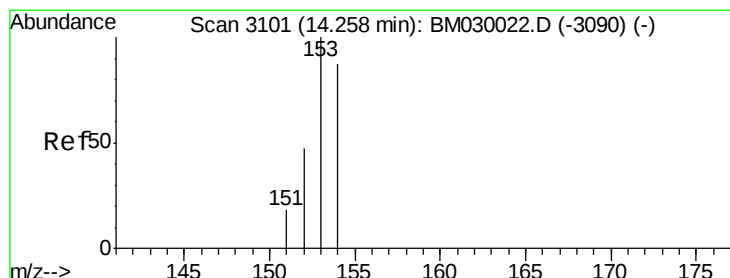
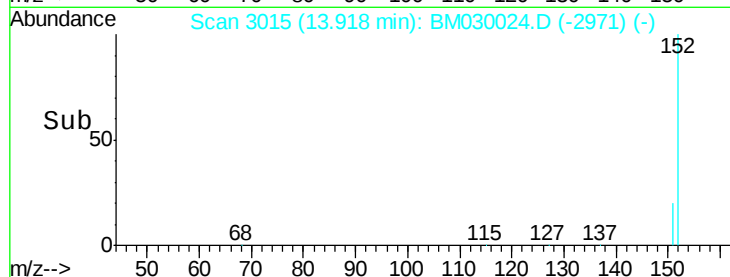
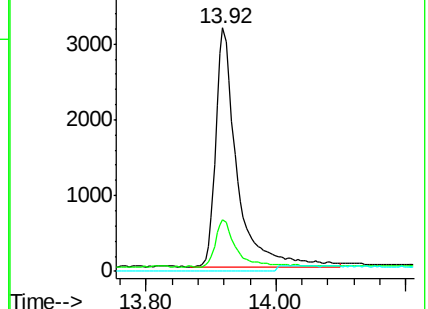
153 0.0 0.0 0.0



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: 0.319 ng/ul

RT: 14.26 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

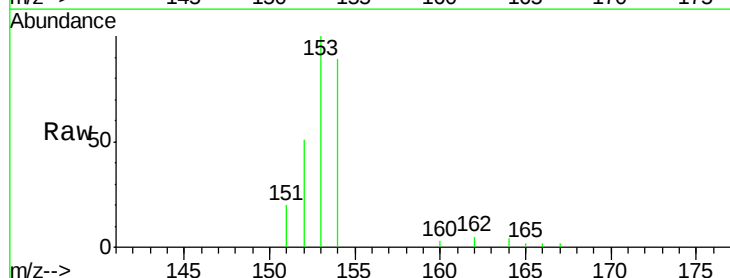
Tgt Ion:153 Resp: 6577

Ion Ratio Lower Upper

153 100

152 50.9 39.0 58.6

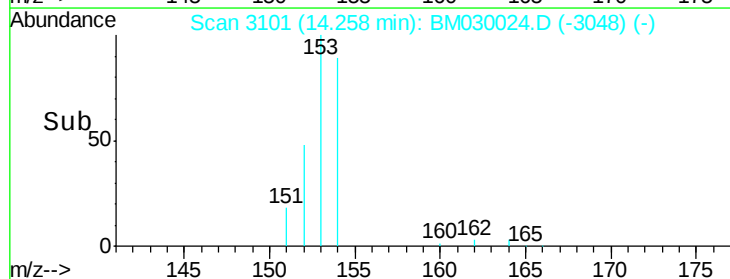
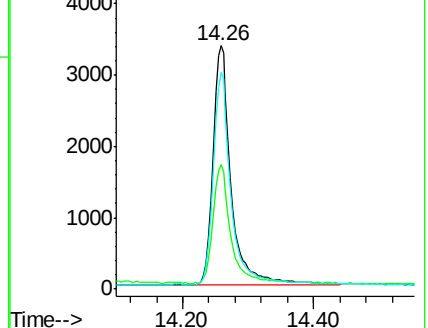
154 89.2 70.9 106.3

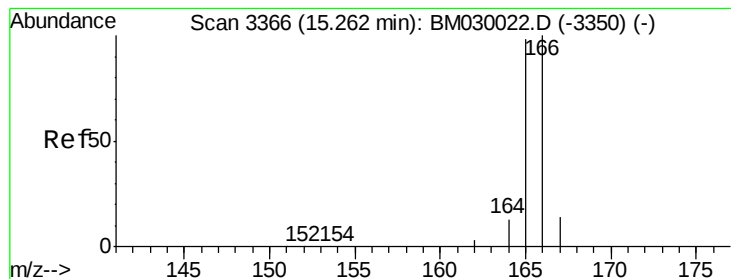


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.319 ng/ul

RT: 15.26 min Scan# 3365

Delta R.T. 0.00 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

Instrument :

BNA_M

ClientSampleId :

SLCS111

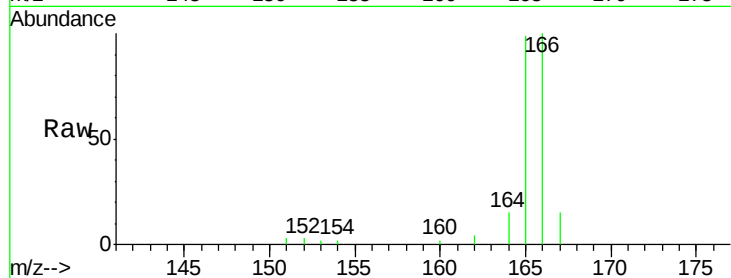
Tgt Ion:166 Resp: 6987

Ion Ratio Lower Upper

166 100

165 98.7 79.0 118.4

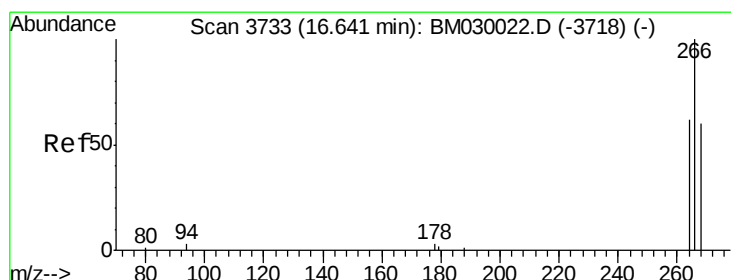
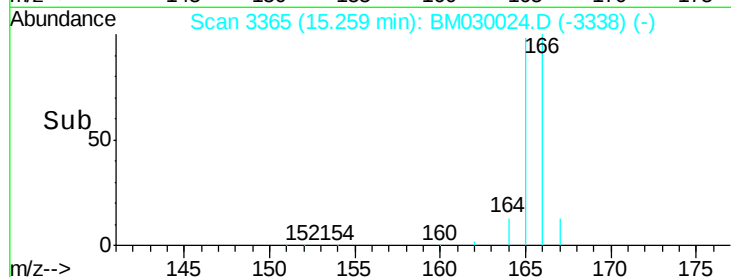
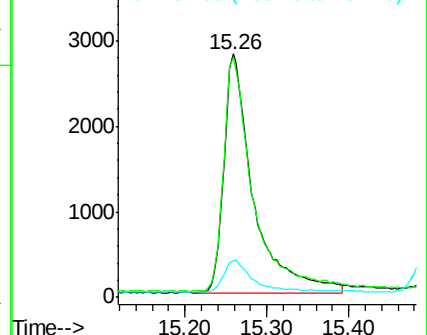
167 15.1 11.5 17.3



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: 0.577 ng/ul

RT: 16.63 min Scan# 3729

Delta R.T. -0.00 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

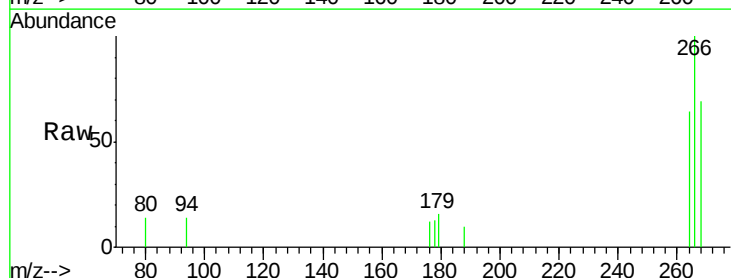
Tgt Ion:266 Resp: 1411

Ion Ratio Lower Upper

266 100

264 63.5 50.7 76.1

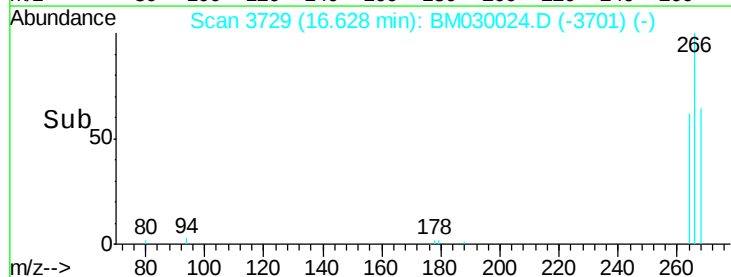
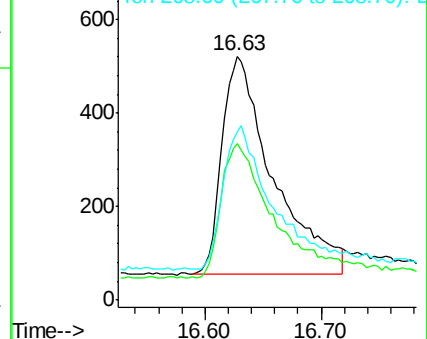
268 64.7 53.1 79.7

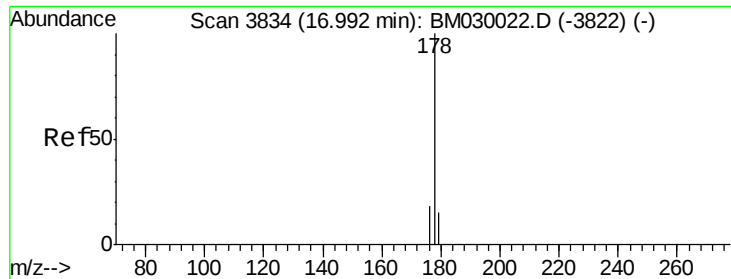


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.336 ng/ul

RT: 16.99 min Scan# 3833

Delta R.T. -0.00 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

Instrument :

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ClientSampleId :

SLCS111

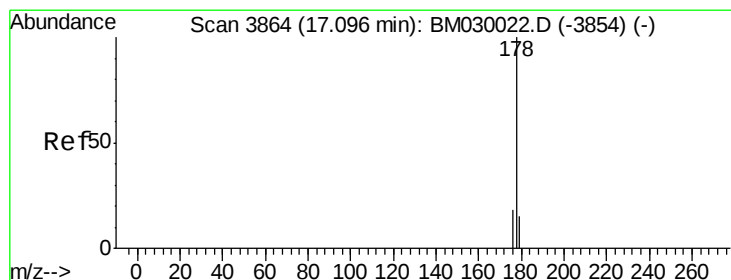
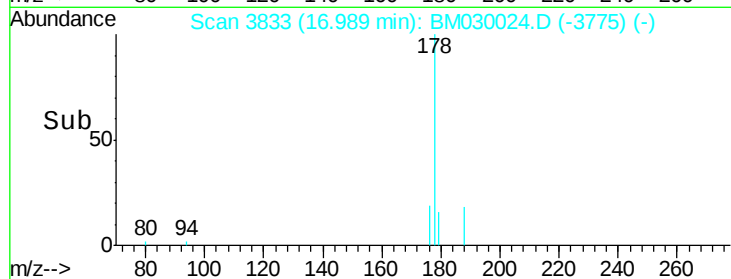
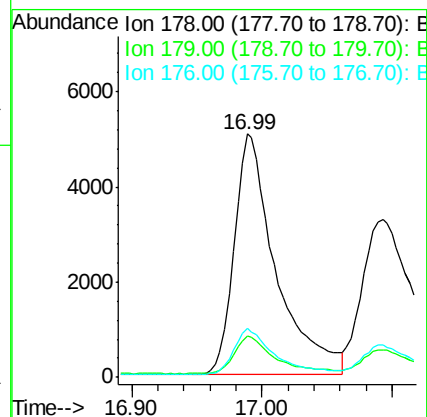
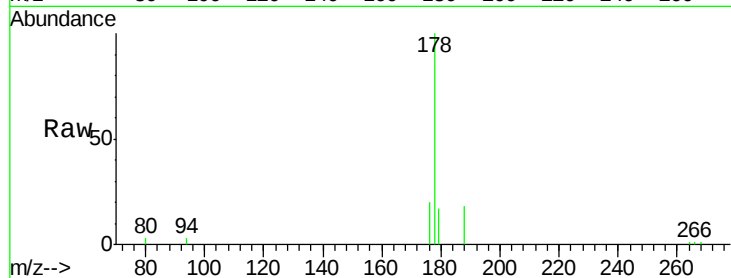
Tgt Ion:178 Resp: 11222

Ion Ratio Lower Upper

178 100

179 16.9 13.4 20.2

176 20.1 15.8 23.8



#16

Anthracene

Concen: 0.309 ng/ul

RT: 17.09 min Scan# 3863

Delta R.T. 0.01 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

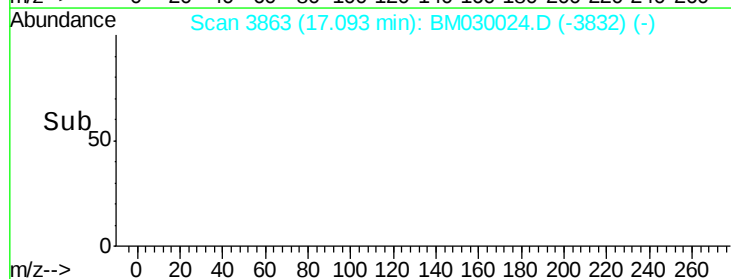
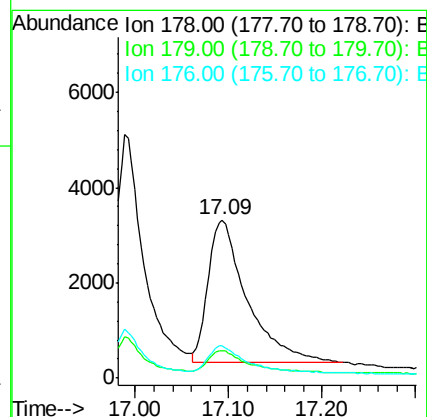
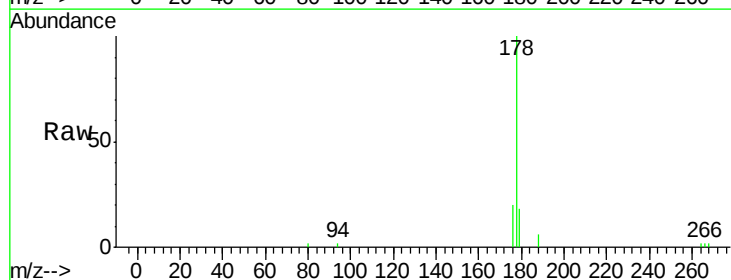
Tgt Ion:178 Resp: 8675

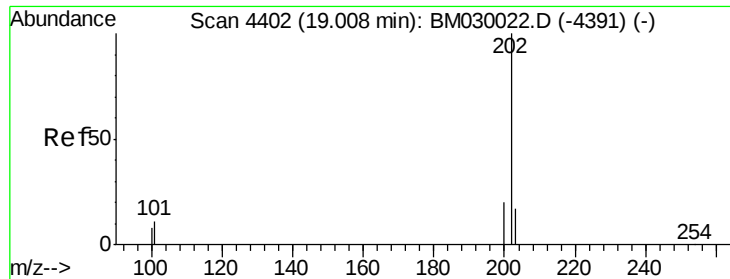
Ion Ratio Lower Upper

178 100

179 17.6 14.0 21.0

176 20.5 15.8 23.8





#19

Fluoranthene

Concen: 0.358 ng/ul

RT: 19.01 min Scan# 4402

Delta R.T. 0.00 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

Instrument :

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ClientSampleId :

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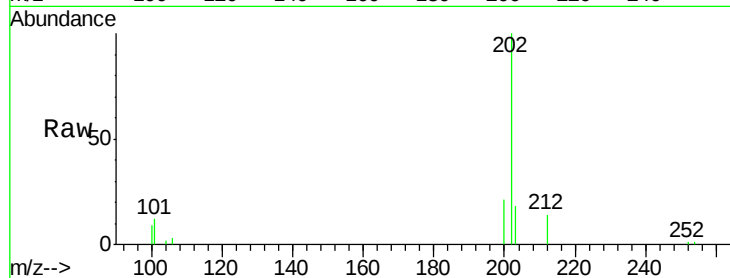
Tgt Ion:202 Resp: 14511

Ion Ratio Lower Upper

202 100

101 11.8 9.5 14.3

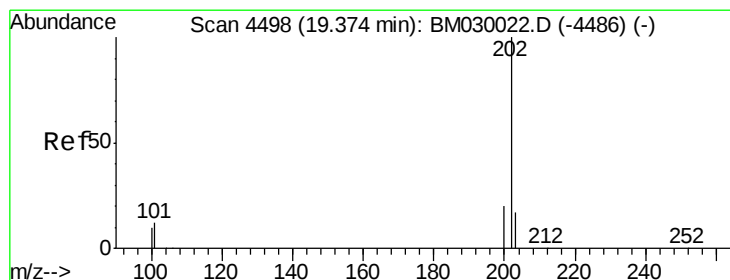
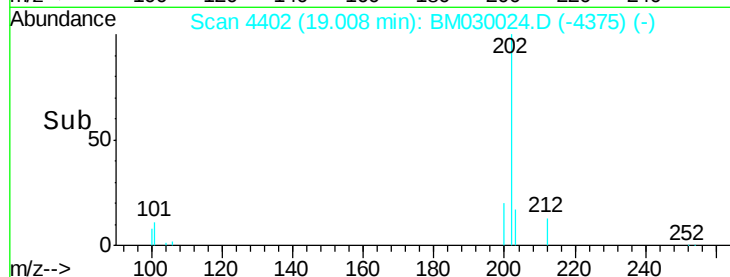
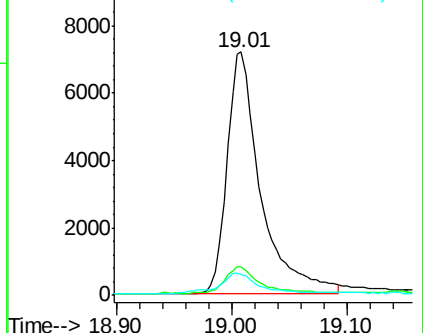
100 8.8 7.4 11.2



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: 0.370 ng/ul

RT: 19.37 min Scan# 4497

Delta R.T. -0.00 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

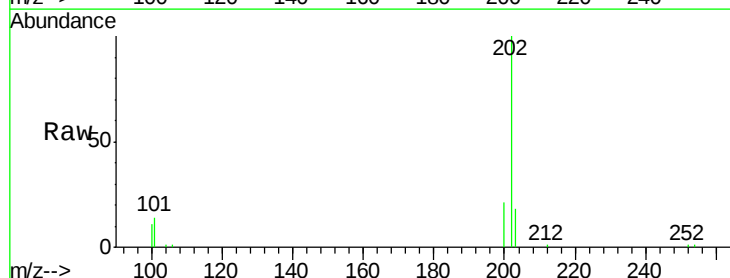
Tgt Ion:202 Resp: 15712

Ion Ratio Lower Upper

202 100

101 13.7 10.6 16.0

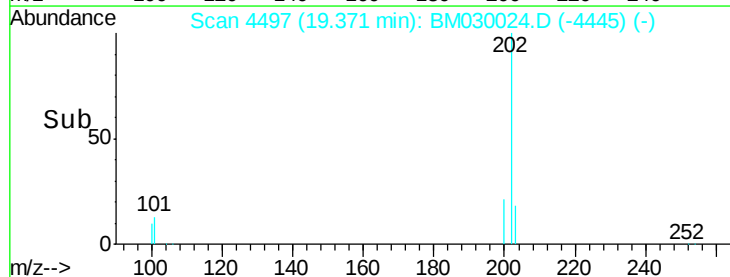
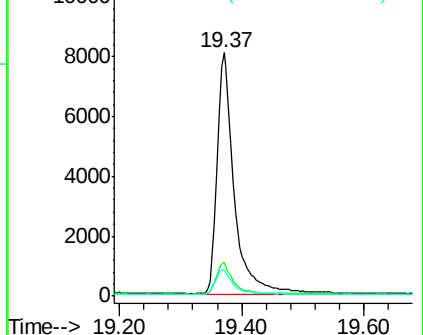
100 10.8 8.9 13.3

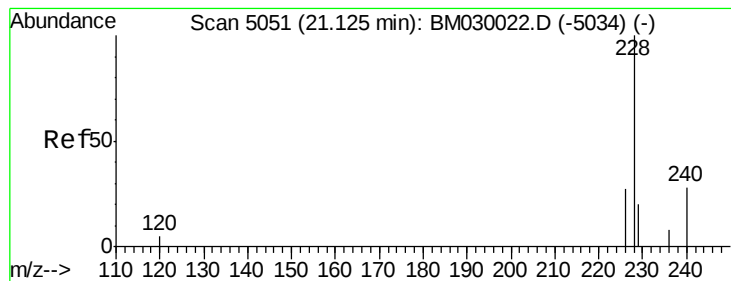


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.348 ng/ul

RT: 21.12 min Scan# 5051

Delta R.T. 0.00 min

Lab File: BM030024.D

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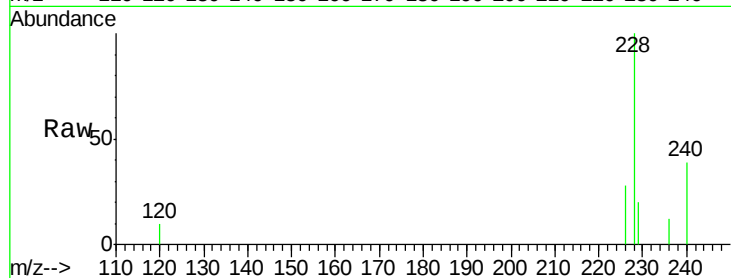
Tgt Ion:228 Resp: 10541

Ion Ratio Lower Upper

228 100

229 20.0 16.5 24.7

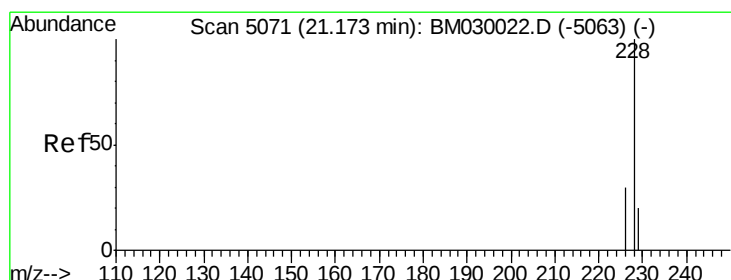
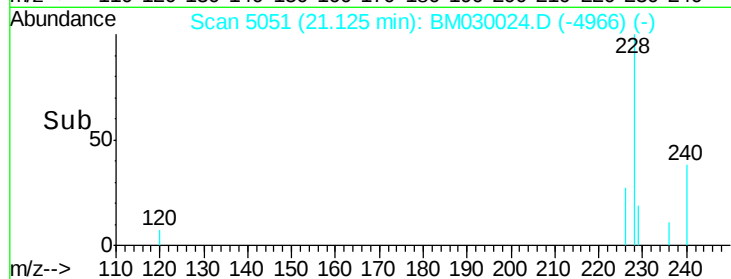
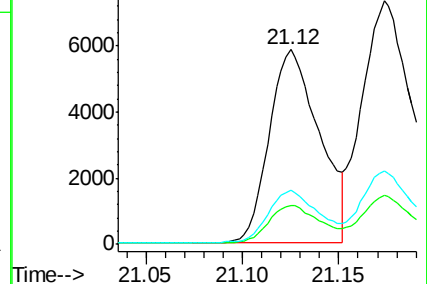
226 27.7 22.6 33.8



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: 0.376 ng/ul

RT: 21.17 min Scan# 5071

Delta R.T. 0.00 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

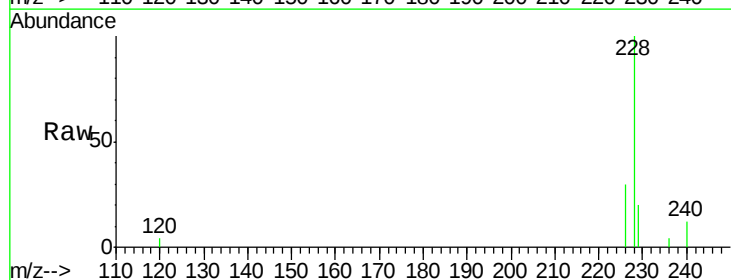
Tgt Ion:228 Resp: 14810

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.6

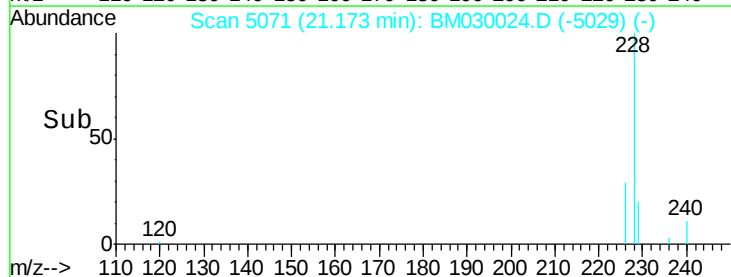
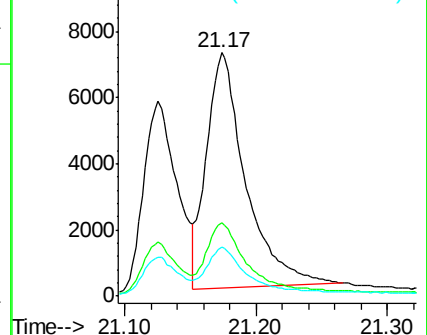
229 20.2 16.4 24.6

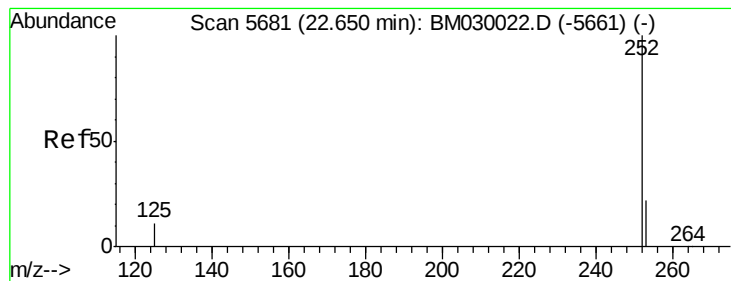


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 0.384 ng/u1

RT: 22.65 min Scan# 5680

Delta R.T. 0.00 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

Instrument :

BNA_M

ClientSampleId :

SLCS111

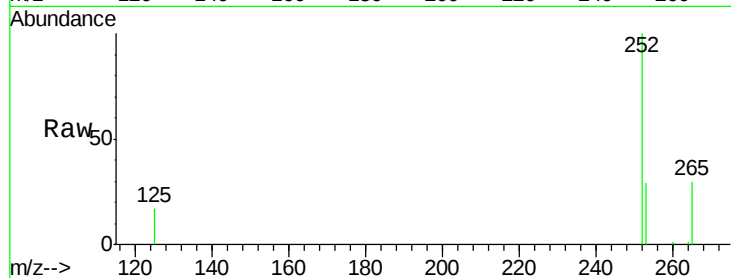
Tgt Ion:252 Resp: 12505

Ion Ratio Lower Upper

252 100

253 28.9 0.0 59.0

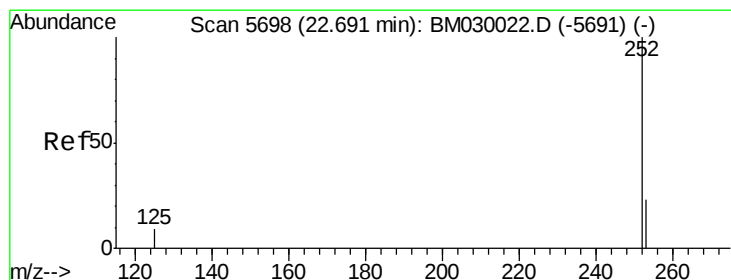
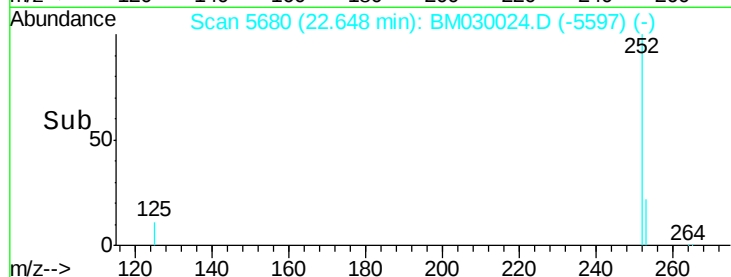
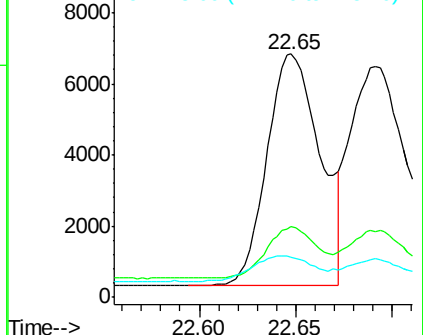
125 16.6 0.0 33.6



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: 0.378 ng/u1

RT: 22.69 min Scan# 5698

Delta R.T. 0.00 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

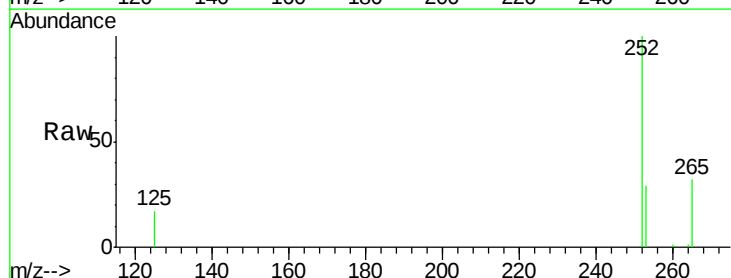
Tgt Ion:252 Resp: 14846

Ion Ratio Lower Upper

252 100

253 28.6 23.8 35.6

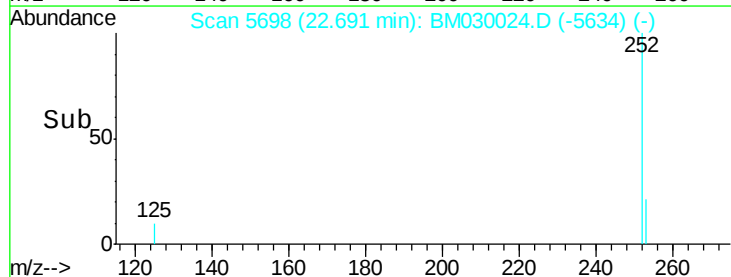
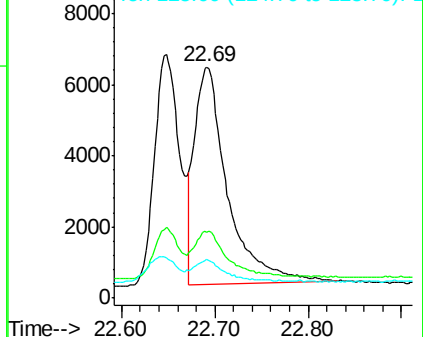
125 16.7 13.7 20.5

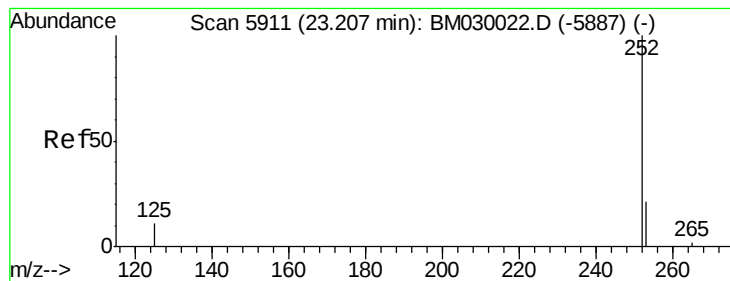


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.362 ng/u1

RT: 23.21 min Scan# 5910

Delta R.T. 0.01 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

Instrument :

BNA_M

ClientSampleId :

SLCS111

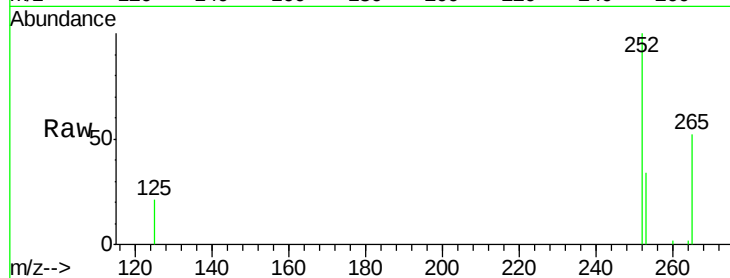
Tgt Ion:252 Resp: 11224

Ion Ratio Lower Upper

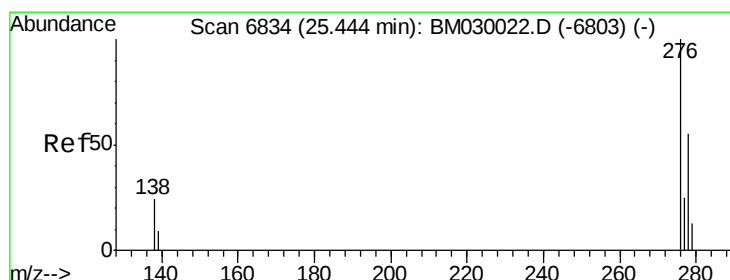
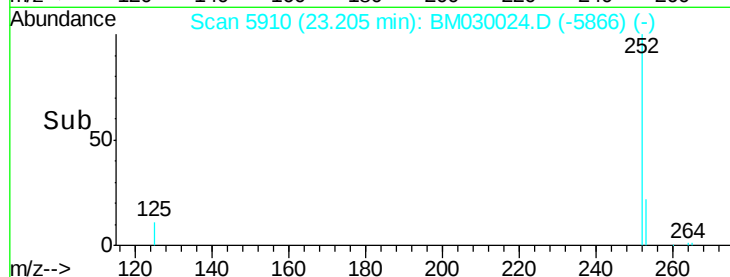
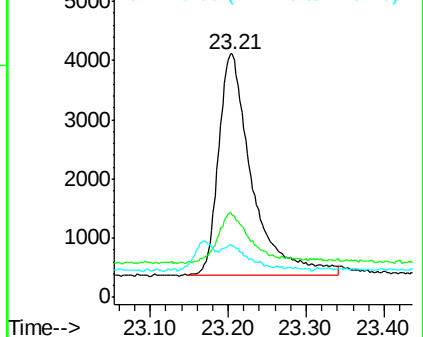
252 100

253 33.9 27.4 41.0

125 21.1 17.1 25.7



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: 0.327 ng/u1

RT: 25.44 min Scan# 6834

Delta R.T. 0.00 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

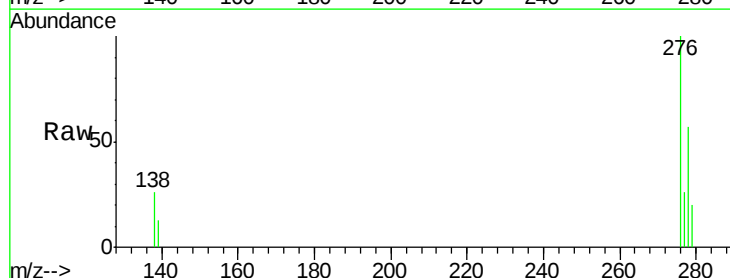
Tgt Ion:276 Resp: 13400

Ion Ratio Lower Upper

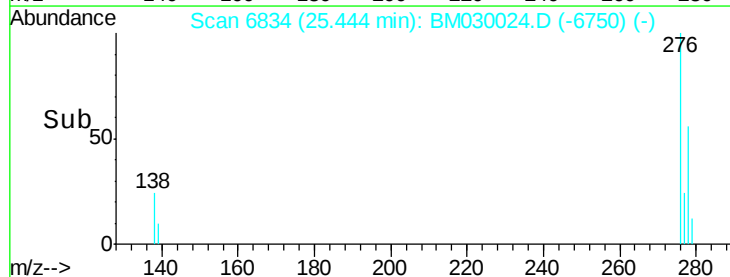
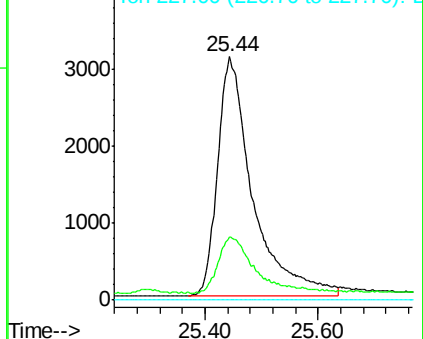
276 100

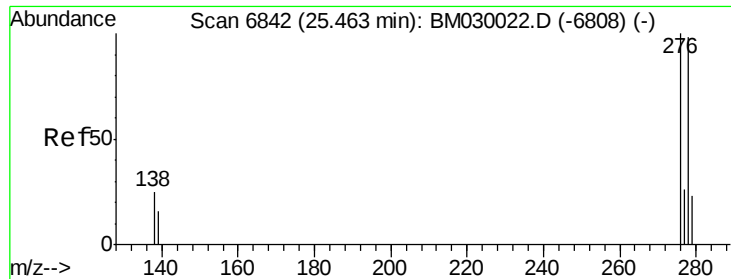
138 24.6 20.4 30.6

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: 0.319 ng/ul

RT: 25.46 min Scan# 6840

Delta R.T. 0.01 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

Instrument :

BNA_M

ClientSampleId :

SLCS111

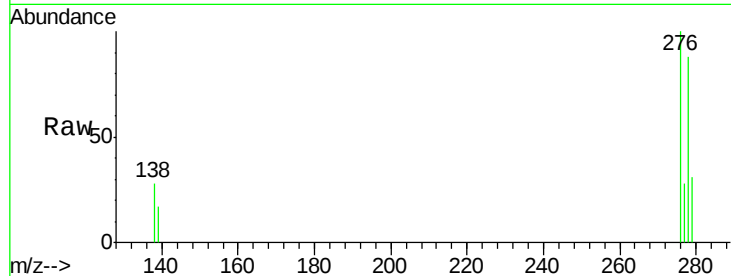
Tgt Ion:278 Resp: 10554

Ion Ratio Lower Upper

278 100

139 19.8 16.0 24.0

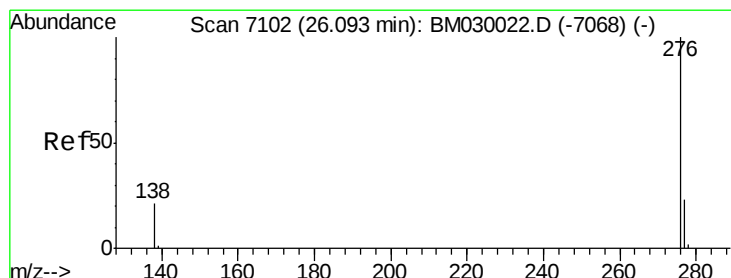
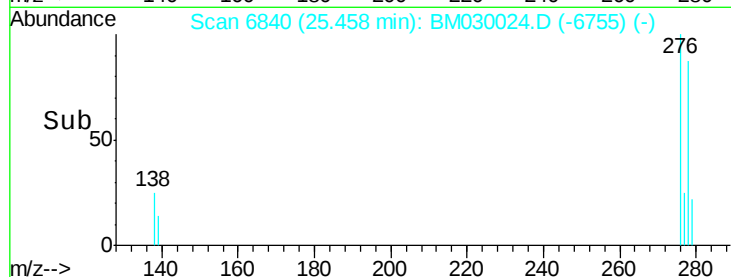
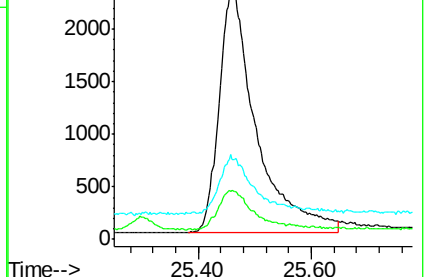
279 34.8 25.7 38.5



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: 0.336 ng/ul

RT: 26.10 min Scan# 7104

Delta R.T. 0.01 min

Lab File: BM030024.D

Acq: 14 May 2021 18:40

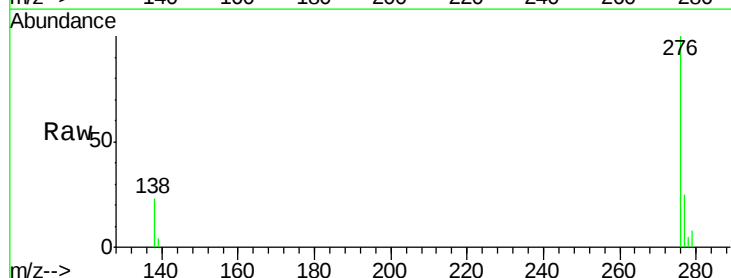
Tgt Ion:276 Resp: 12196

Ion Ratio Lower Upper

276 100

138 23.4 19.4 29.2

277 25.4 20.5 30.7



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

