

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM123020\
 Data File : BM028284.D
 Acq On : 30 Dec 2020 12:16
 Operator : JU/CG
 Sample : PB133824BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS824

Quant Time: Dec 30 12:47:59 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 : Wed Dec 30 10:02:26 2020
 Response via : Initial Calibration

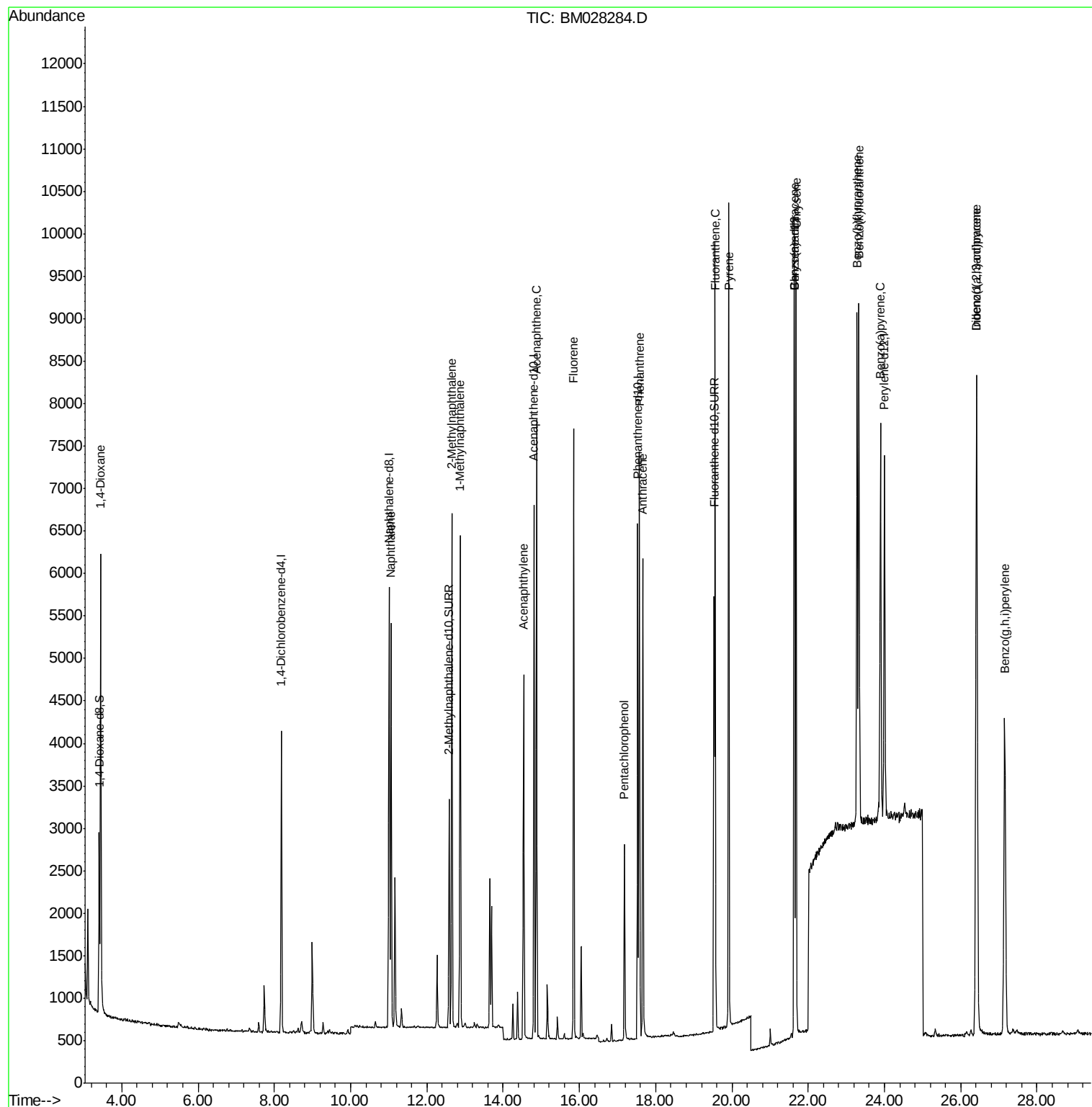
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	1766	0.40	ng/ul	0.00
4) Naphthalene-d8	11.01	136	6701	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.81	164	3411	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.53	188	6800	0.40	ng/ul	0.00
17) Chrysene-d12	21.65	240	6062	0.40	ng/ul	0.00
23) Perylene-d12	24.00	264	5764	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.41	96	1263	0.63	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.58	152	3338	0.33	ng/ul	0.00
18) Fluoranthene-d10	19.53	212	5901	0.33	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.44	88	3363	1.505	ng/ul	94
5) Naphthalene	11.06	128	6400	0.338	ng/ul	99
7) 2-Methylnaphthalene	12.65	142	4097	0.328	ng/ul	100
8) 1-Methylnaphthalene	12.88	142	3874	0.325	ng/ul	99
10) Acenaphthylene	14.53	152	4884	0.354	ng/ul	98
11) Acenaphthene	14.87	153	4151	0.343	ng/ul	100
12) Fluorene	15.85	166	4597	0.334	ng/ul	100
14) Pentachlorophenol	17.18	266	1512	0.876	ng/ul	97
15) Phenanthrene	17.57	178	7141	0.342	ng/ul	98
16) Anthracene	17.66	178	6272	0.343	ng/ul	98
19) Fluoranthene	19.56	202	7742	0.325	ng/ul	98
20) Pyrene	19.92	202	7790	0.328	ng/ul	96
21) Benzo(a)anthracene	21.63	228	7151	0.358	ng/ul	98
22) Chrysene	21.68	228	7511	0.349	ng/ul	100
24) Benzo(b)fluoranthene	23.28	252	7730	0.333	ng/ul	93
25) Benzo(k)fluoranthene	23.33	252	7568	0.340	ng/ul	95
26) Benzo(a)pyrene	23.89	252	6770	0.353	ng/ul	93
27) Indeno(1,2,3-cd)pyrene	26.41	276	8962	0.386	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.42	278	7358	0.378	ng/ul	94
29) Benzo(g,h,i)perylene	27.15	276	7854	0.388	ng/ul	98

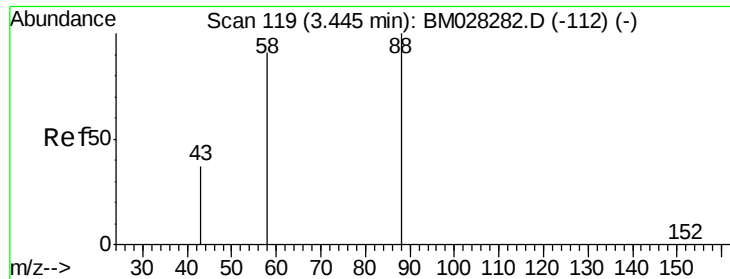
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 30 12:47:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM121120.M
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#2

1,4-Dioxane

Concen: 1.505 ng/ul

RT: 3.44 min Scan# 118

Delta R.T. -0.00 min

Lab File: BM028284.D

Acq: 30 Dec 2020 12:16

Instrument :

BNA_M

ClientSampleId :

SLCS824

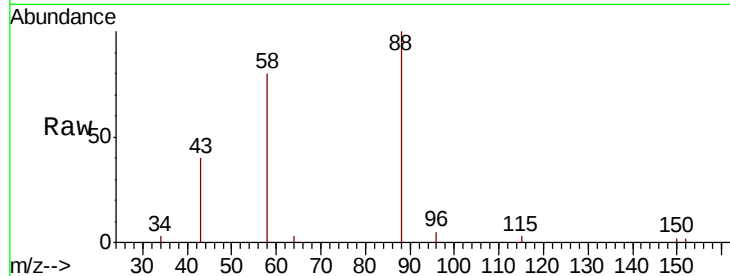
Tot Ion: 88 Resp: 3363

Ion Ratio Lower Upper

88 100

43 40.4 39.5 59.3

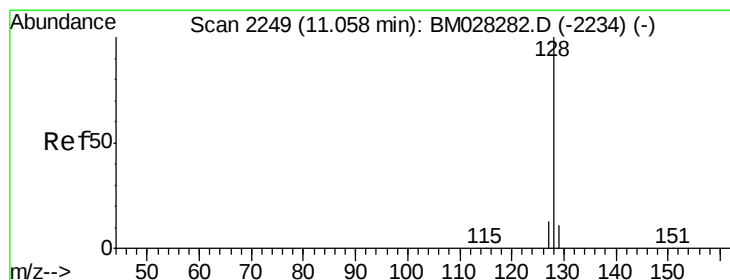
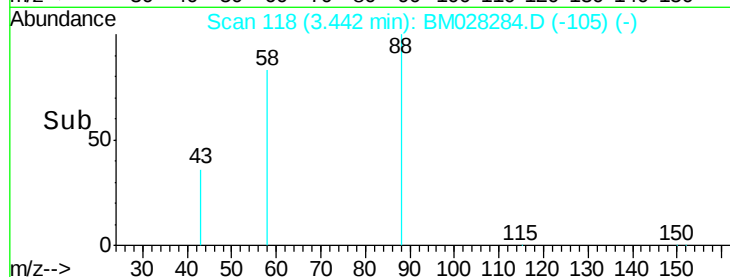
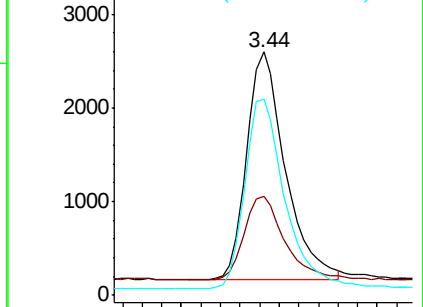
58 80.4 62.8 94.2



Abundance Ion 88.00 (87.70 to 88.70): BM028284.D (-112) (-)

Ion 43.00 (42.70 to 43.70): BM028284.D (-112) (-)

Ion 58.00 (57.70 to 58.70): BM028284.D (-112) (-)



#5

Naphthalene

Concen: 0.338 ng/ul

RT: 11.06 min Scan# 2249

Delta R.T. 0.00 min

Lab File: BM028284.D

Acq: 30 Dec 2020 12:16

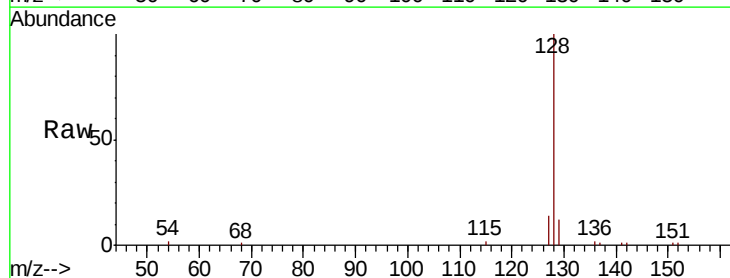
Tgt Ion: 128 Resp: 6400

Ion Ratio Lower Upper

128 100

129 12.4 9.2 13.8

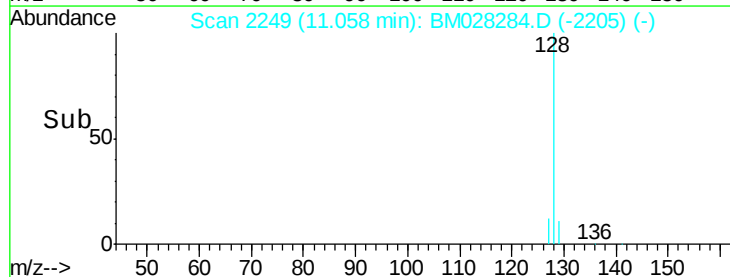
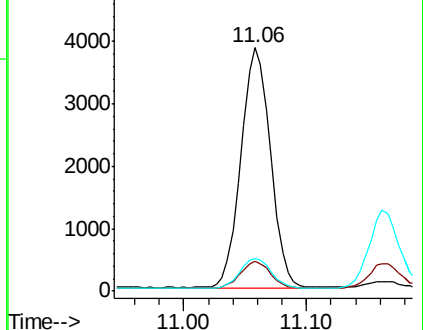
127 13.5 10.8 16.2

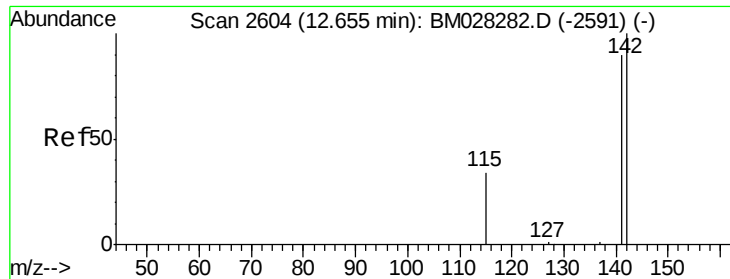


Abundance Ion 128.00 (127.70 to 128.70): BM028284.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): BM028284.D (-2205) (-)

Ion 127.00 (126.70 to 127.70): BM028284.D (-2205) (-)





#7

2-Methylnaphthalene

Concen: 0.328 ng/ul

RT: 12.65 min Scan# 2604

Delta R.T. 0.00 min

Lab File: BM028284.D

Acq: 30 Dec 2020 12:16

Instrument :

BNA_M

ClientSampleId :

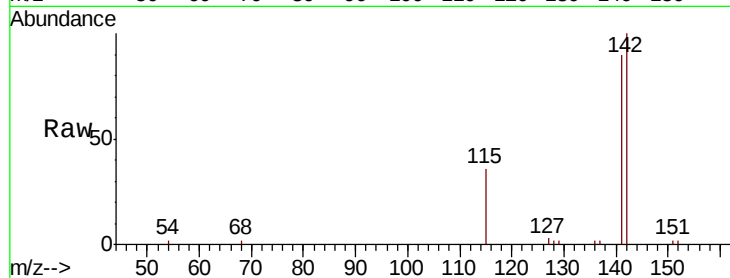
SLCS824

Tot Ion:142 Resp: 4097

Ion Ratio Lower Upper

142 100

141 89.6 71.8 107.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.65

2500

2000

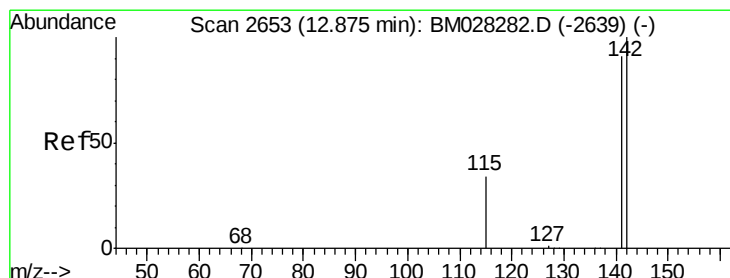
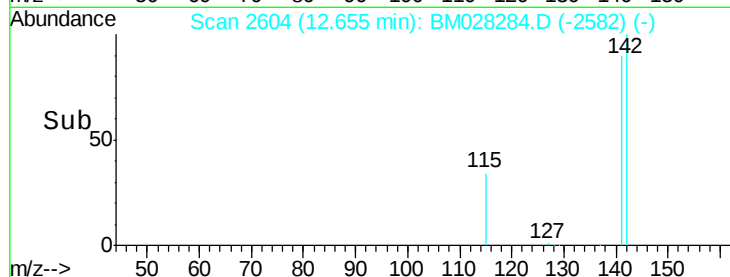
1500

1000

500

0

Time-->



#8

1-Methylnaphthalene

Concen: 0.325 ng/ul

RT: 12.88 min Scan# 2653

Delta R.T. 0.00 min

Lab File: BM028284.D

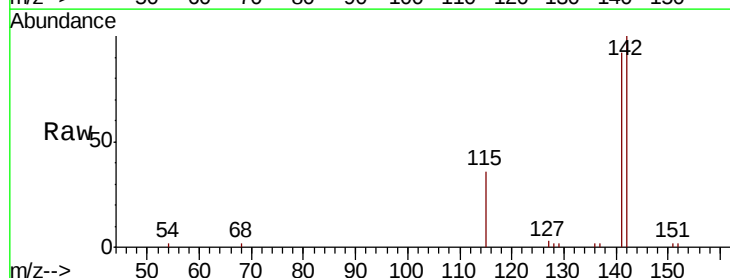
Acq: 30 Dec 2020 12:16

Tgt Ion:142 Resp: 3874

Ion Ratio Lower Upper

142 100

141 92.7 73.8 110.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.88

2500

2000

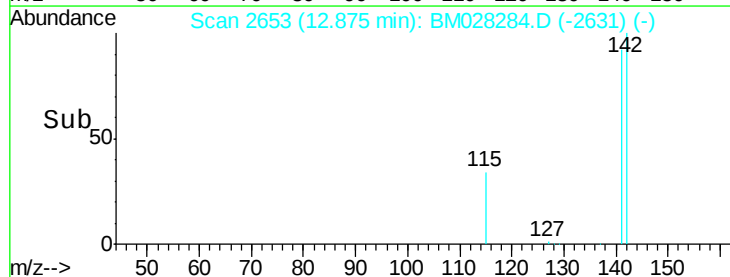
1500

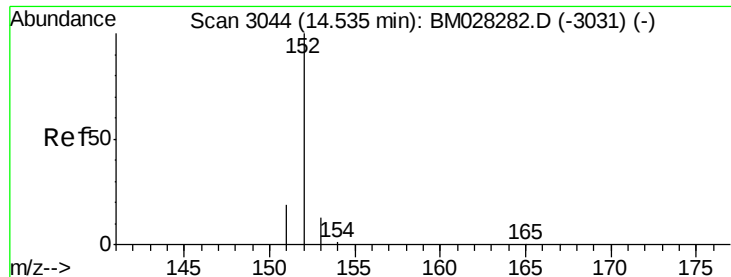
1000

500

0

Time-->





#10

Acenaphthylene

Concen: 0.354 ng/ul

RT: 14.53 min Scan# 3044

Delta R.T. 0.00 min

Lab File: BM028284.D

Acq: 30 Dec 2020 12:16

Instrument :

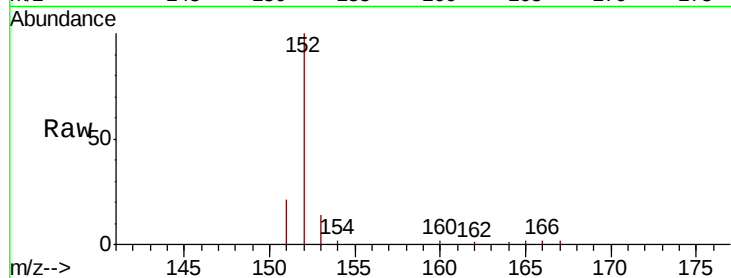
BNA_M

ClientSampleId :

SLCS824

Tot Ion:152 Resp: 4884

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.9	23.9
153	14.4	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

4000

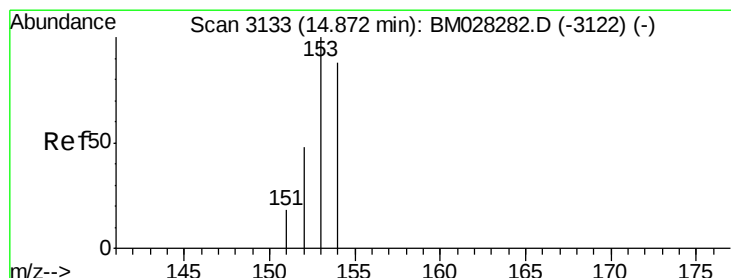
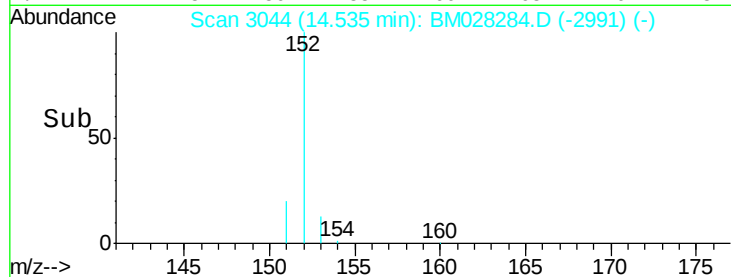
3000

2000

1000

0

14.40 14.50 14.60 14.70



#11

Acenaphthene

Concen: 0.343 ng/ul

RT: 14.87 min Scan# 3133

Delta R.T. 0.00 min

Lab File: BM028284.D

Acq: 30 Dec 2020 12:16

Tgt Ion:153 Resp: 4151

Ion	Ratio	Lower	Upper
153	100		
152	48.9	39.5	59.3
154	88.6	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

4000

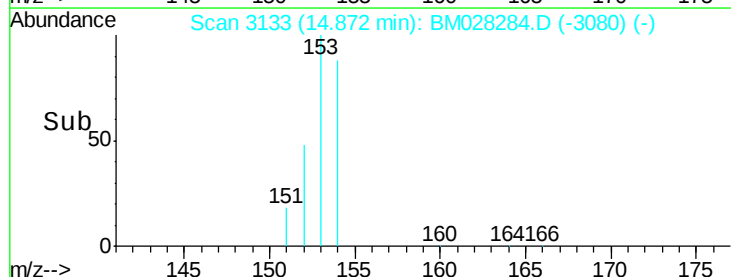
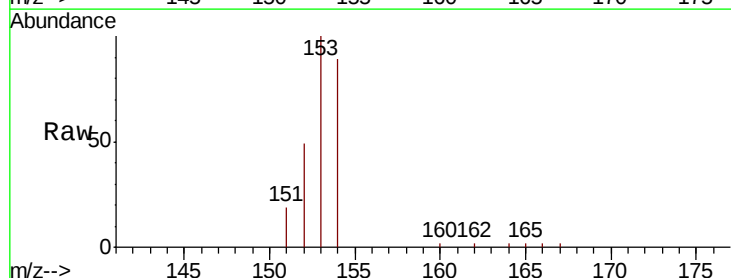
3000

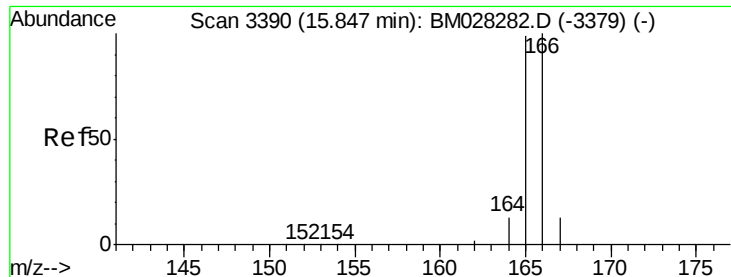
2000

1000

0

14.80 14.90





#12

Fluorene

Concen: 0.334 ng/ul

RT: 15.85 min Scan# 3391

Delta R.T. 0.00 min

Lab File: BM028284.D

Acq: 30 Dec 2020 12:16

Instrument :

BNA_M

ClientSampleId :

SLCS824

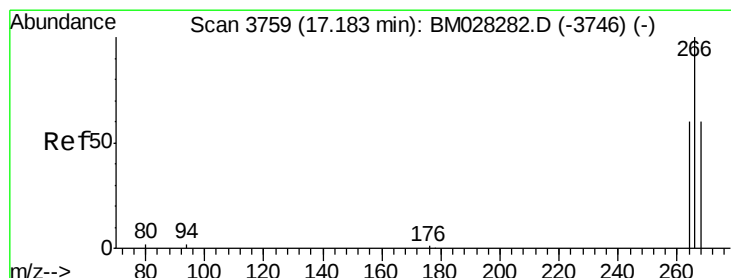
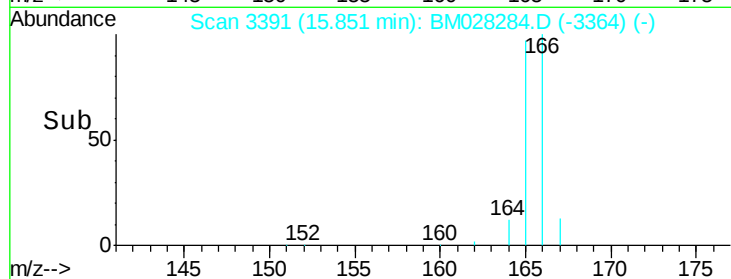
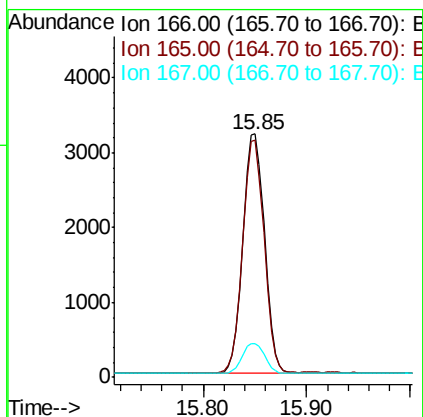
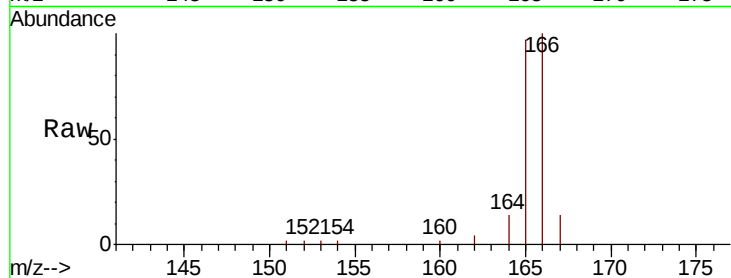
Tot Ion:166 Resp: 4597

Ion Ratio Lower Upper

166 100

165 97.5 77.9 116.9

167 13.9 11.4 17.0



#14

Pentachlorophenol

Concen: 0.876 ng/ul

RT: 17.18 min Scan# 3758

Delta R.T. -0.00 min

Lab File: BM028284.D

Acq: 30 Dec 2020 12:16

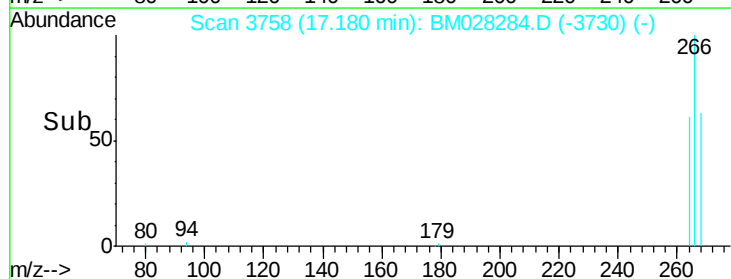
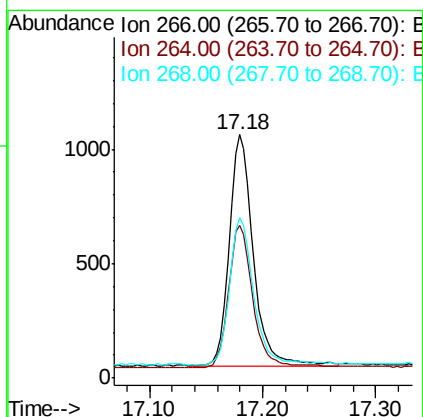
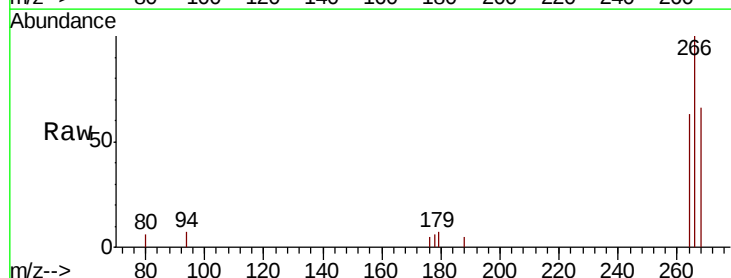
Tgt Ion:266 Resp: 1512

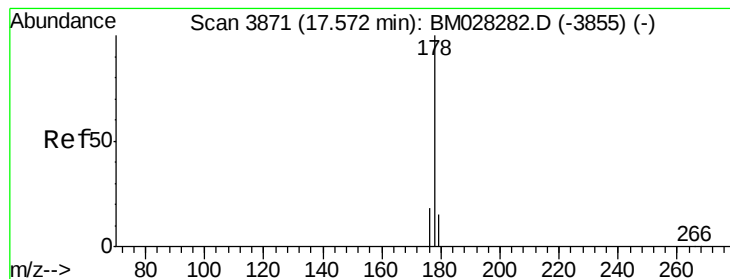
Ion Ratio Lower Upper

266 100

264 61.6 51.6 77.4

268 62.7 51.6 77.4





#15

Phenanthrene

Concen: 0.342 ng/ul

RT: 17.57 min Scan# 3871

Delta R.T. 0.00 min

Lab File: BM028284.D

Acq: 30 Dec 2020 12:16

Instrument :

BNA_M

ClientSampleId :

SLCS824

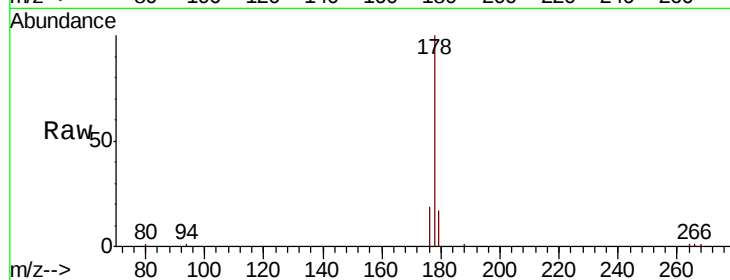
Tot Ion:178 Resp: 7141

Ion Ratio Lower Upper

178 100

179 16.8 12.6 18.8

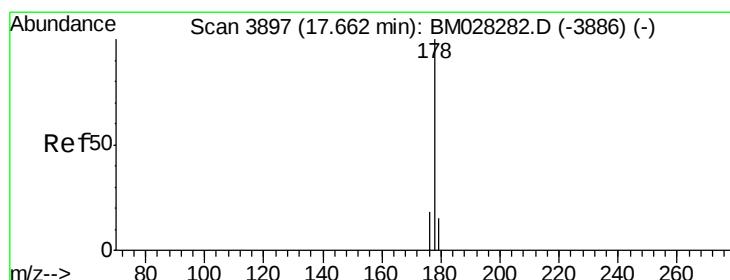
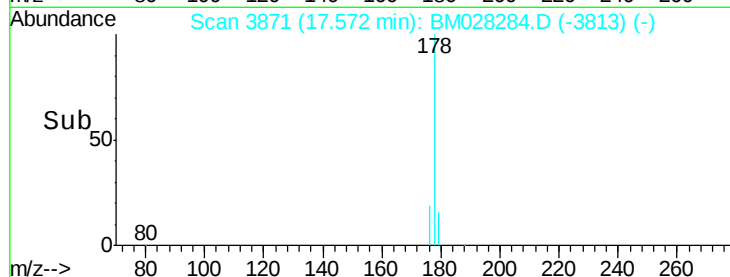
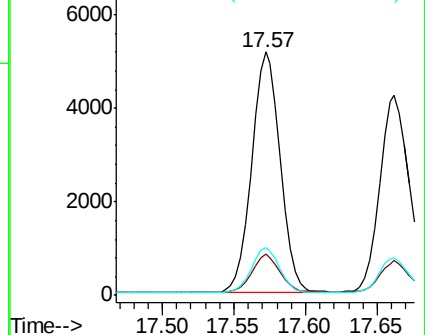
176 19.4 14.9 22.3



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: 0.343 ng/ul

RT: 17.66 min Scan# 3897

Delta R.T. 0.00 min

Lab File: BM028284.D

Acq: 30 Dec 2020 12:16

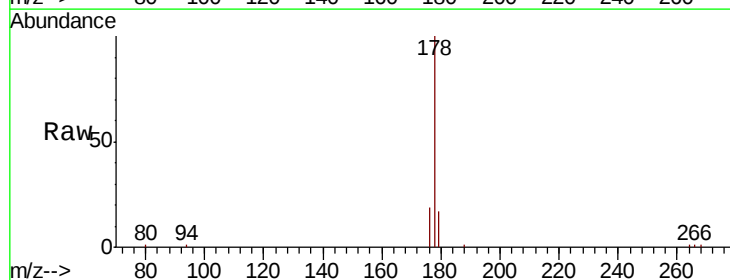
Tgt Ion:178 Resp: 6272

Ion Ratio Lower Upper

178 100

179 17.1 12.5 18.7

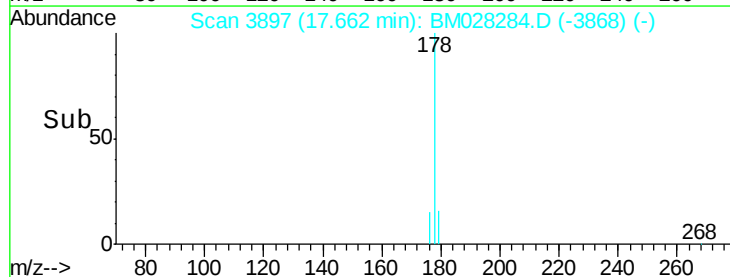
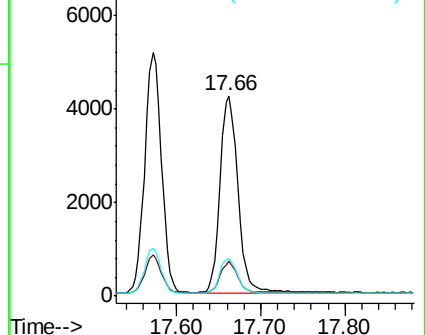
176 19.0 14.7 22.1

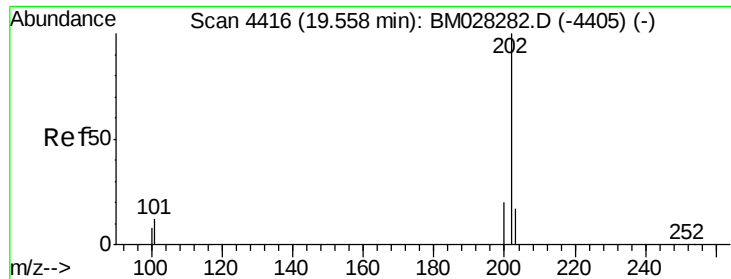


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.325 ng/ul

RT: 19.56 min Scan# 4416

Delta R.T. 0.00 min

Lab File: BM028284.D

Acq: 30 Dec 2020 12:16

Instrument :

BNA_M

ClientSampleId :

SLCS824

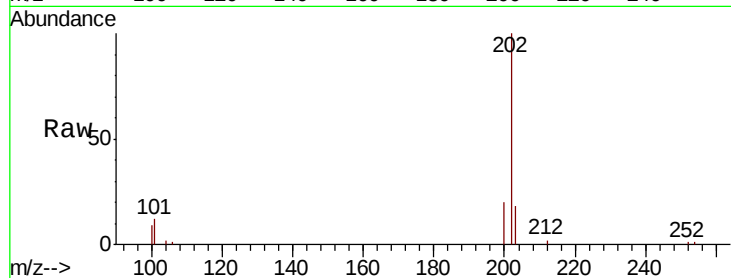
Tot Ion:202 Resp: 7742

Ion Ratio Lower Upper

202 100

101 11.8 8.8 13.2

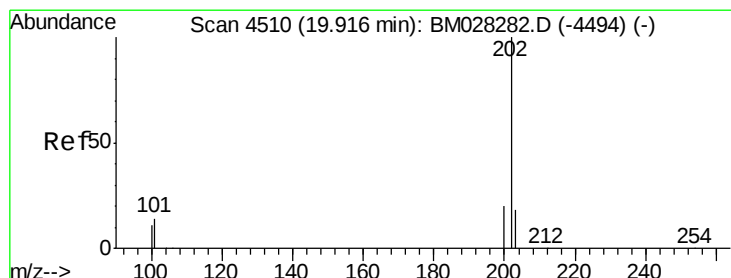
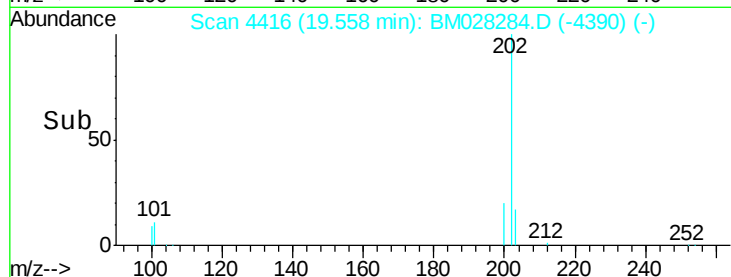
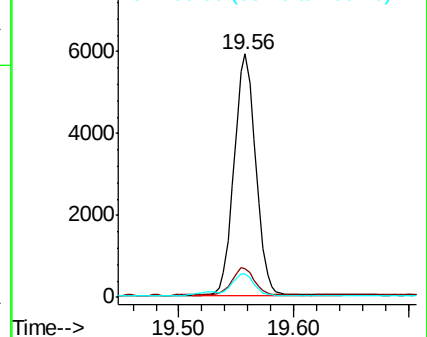
100 9.4 6.8 10.2



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: 0.328 ng/ul

RT: 19.92 min Scan# 4510

Delta R.T. 0.00 min

Lab File: BM028284.D

Acq: 30 Dec 2020 12:16

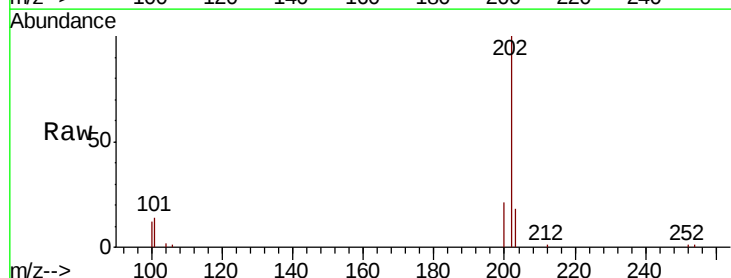
Tgt Ion:202 Resp: 7790

Ion Ratio Lower Upper

202 100

101 14.4 10.1 15.1

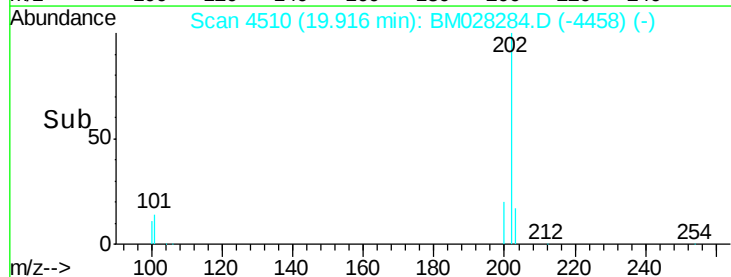
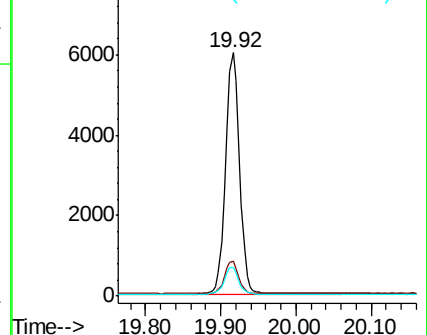
100 11.7 8.4 12.6

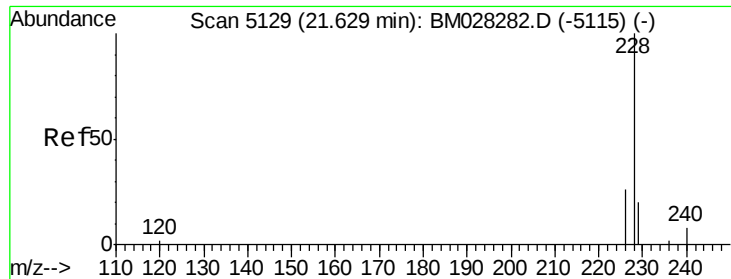


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

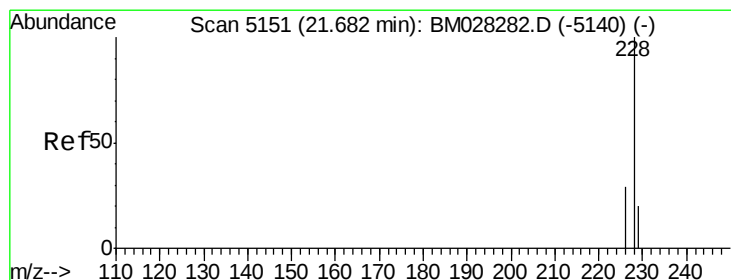
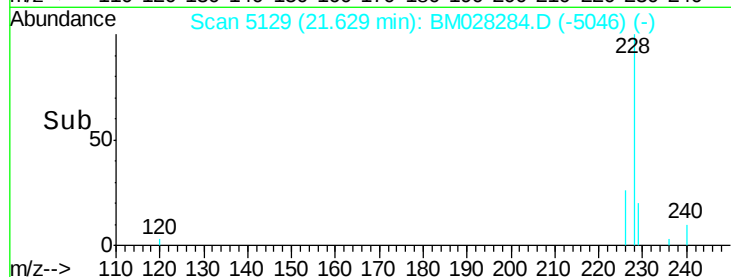
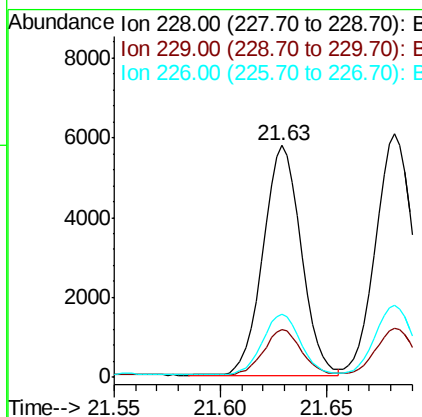
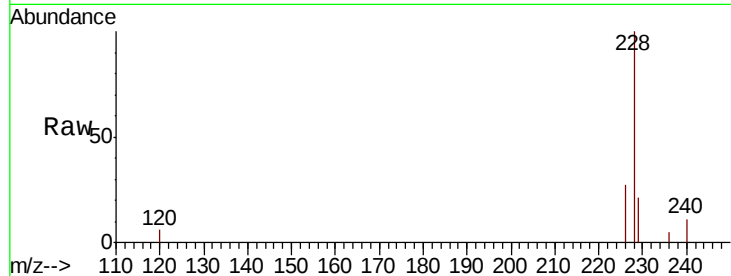




#21
Benzo(a)anthracene
Concen: 0.358 ng/ul
RT: 21.63 min Scan# 5129
Delta R.T. 0.00 min
Lab File: BM028284.D
Acq: 30 Dec 2020 12:16

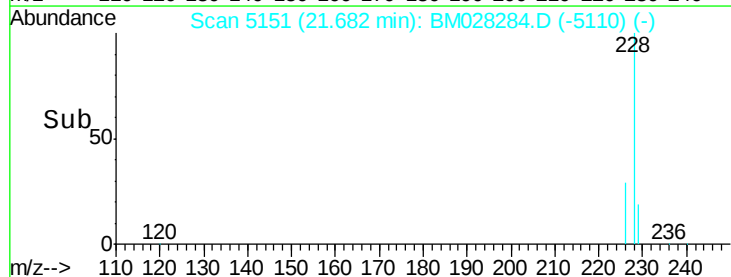
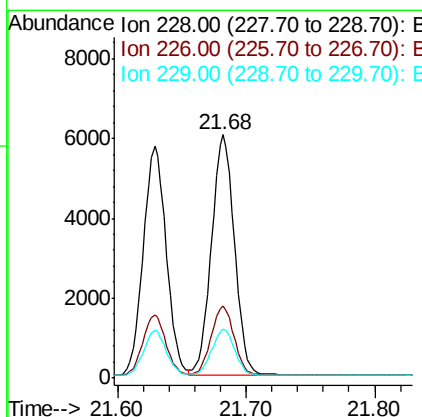
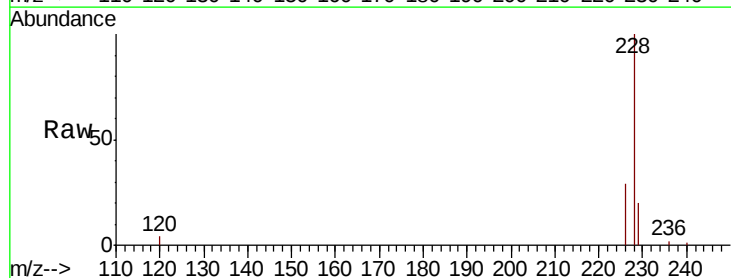
Instrument :
BNA_M
ClientSampleId :
SLCS824

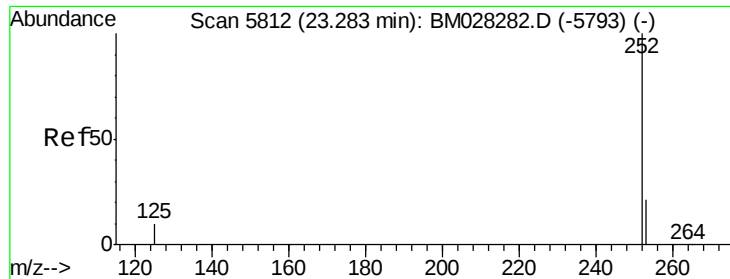
Tot Ion:228 Resp: 7151
Ion Ratio Lower Upper
228 100
229 20.6 15.7 23.5
226 27.1 20.7 31.1



#22
Chrysene
Concen: 0.349 ng/ul
RT: 21.68 min Scan# 5151
Delta R.T. 0.00 min
Lab File: BM028284.D
Acq: 30 Dec 2020 12:16

Tgt Ion:228 Resp: 7511
Ion Ratio Lower Upper
228 100
226 29.5 23.4 35.0
229 20.0 15.9 23.9





#24

Benzo(b)fluoranthene

Concen: 0.333 ng/ul

RT: 23.28 min Scan# 5812

Delta R.T. 0.00 min

Lab File: BM028284.D

Acq: 30 Dec 2020 12:16

Instrument :

BNA_M

ClientSampleId :

SLCS824

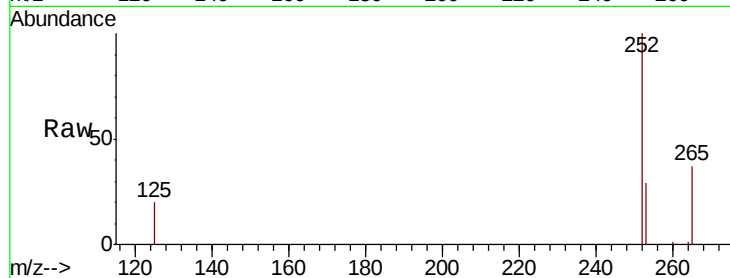
Tot Ion:252 Resp: 7730

Ion Ratio Lower Upper

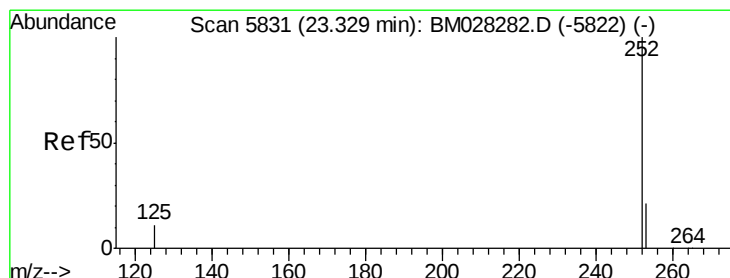
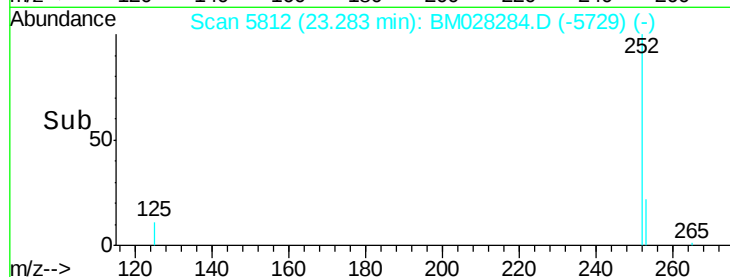
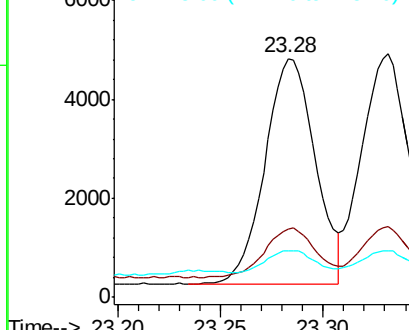
252 100

253 28.8 0.0 51.4

125 19.7 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: 0.340 ng/ul

RT: 23.33 min Scan# 5832

Delta R.T. 0.00 min

Lab File: BM028284.D

Acq: 30 Dec 2020 12:16

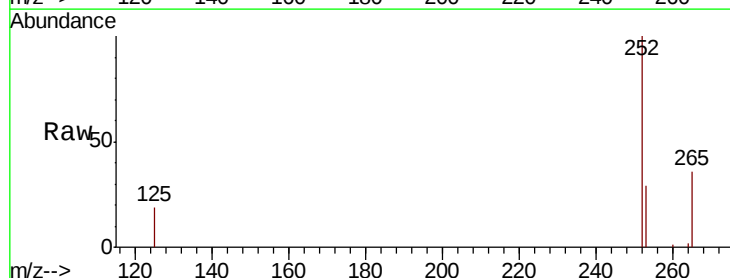
Tgt Ion:252 Resp: 7568

Ion Ratio Lower Upper

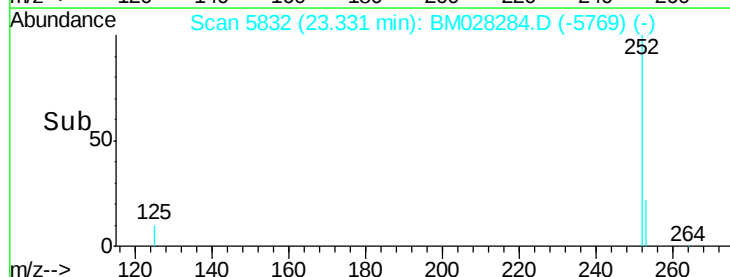
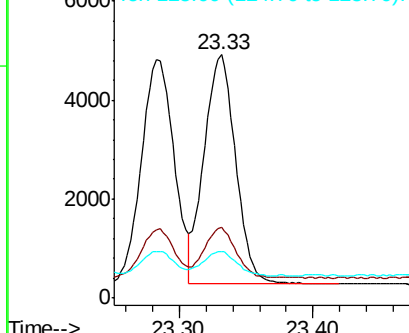
252 100

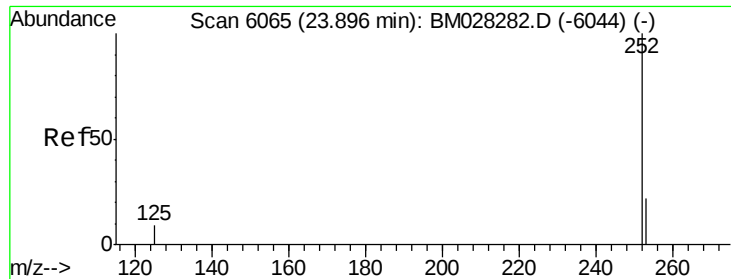
253 29.0 21.1 31.7

125 19.1 13.4 20.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.353 ng/ul

RT: 23.89 min Scan# 6064

Delta R.T. -0.00 min

Lab File: BM028284.D

Acq: 30 Dec 2020 12:16

Instrument :

BNA_M

ClientSampleId :

SLCS824

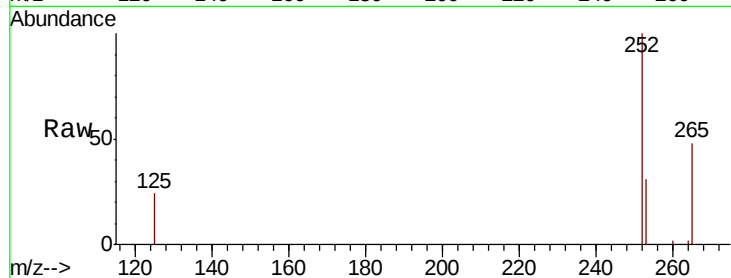
Tot Ion:252 Resp: 6770

Ion Ratio Lower Upper

252 100

253 30.9 22.3 33.5

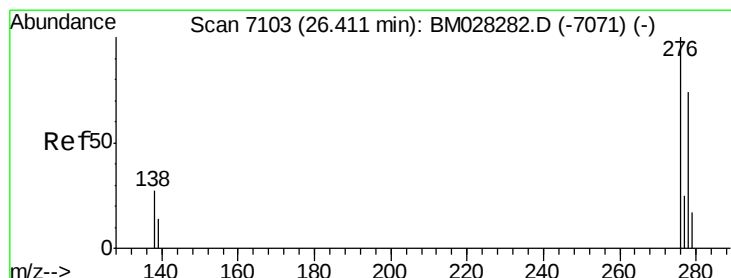
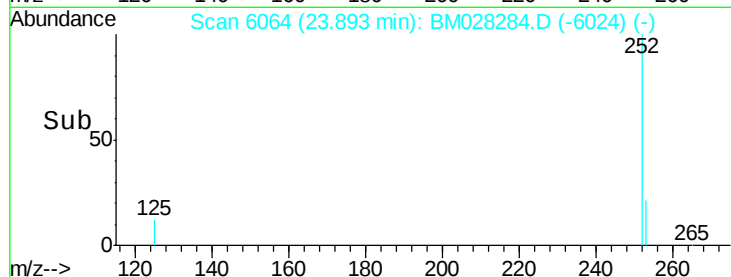
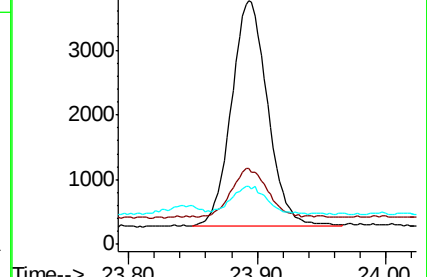
125 23.9 16.1 24.1



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: 0.386 ng/ul

RT: 26.41 min Scan# 7103

Delta R.T. 0.00 min

Lab File: BM028284.D

Acq: 30 Dec 2020 12:16

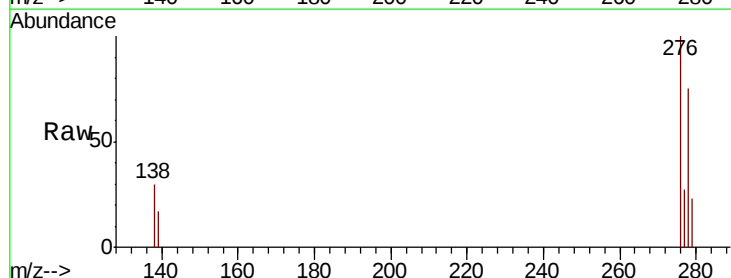
Tgt Ion:276 Resp: 8962

Ion Ratio Lower Upper

276 100

138 27.6 21.7 32.5

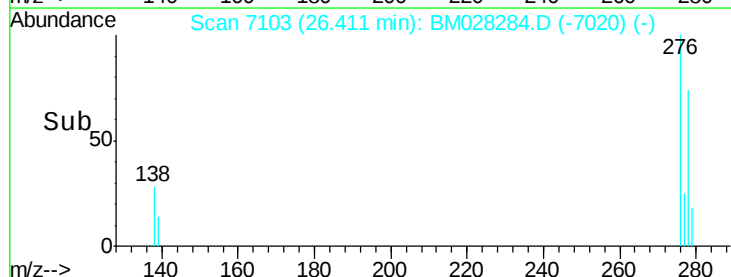
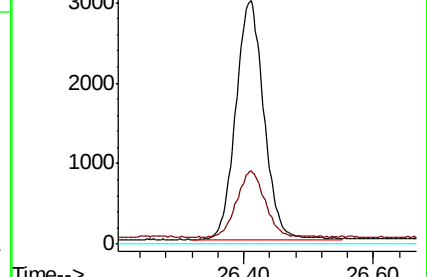
227 0.0 0.0 0.0

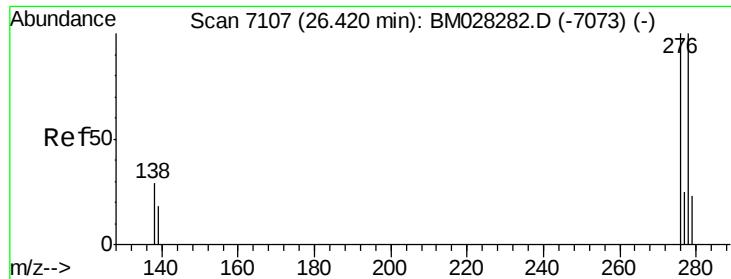


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.378 ng/ul

RT: 26.42 min Scan# 7107

Delta R.T. 0.00 min

Lab File: BM028284.D

Acq: 30 Dec 2020 12:16

Instrument :

BNA_M

ClientSampleId :

SLCS824

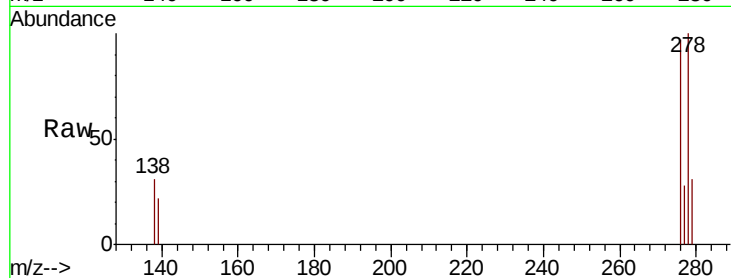
Tot Ion:278 Resp: 7358

Ion Ratio Lower Upper

278 100

139 22.0 15.2 22.8

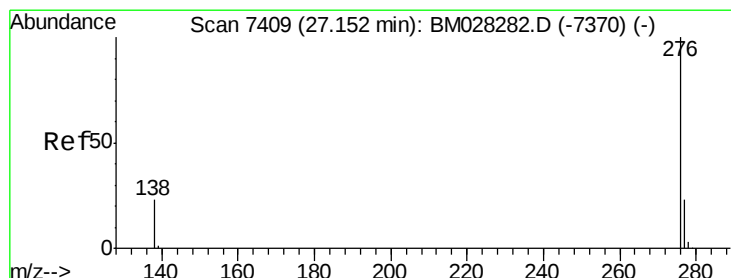
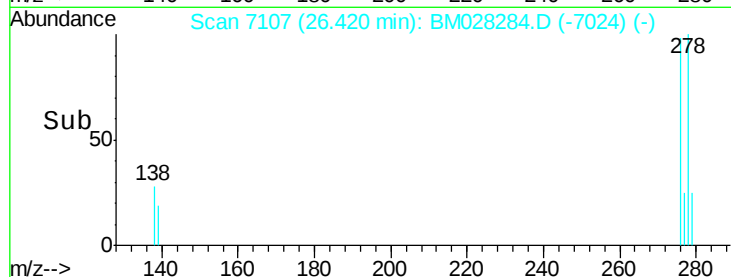
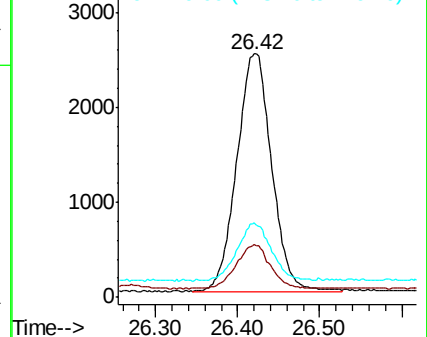
279 30.6 22.2 33.4



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: 0.388 ng/ul

RT: 27.15 min Scan# 7408

Delta R.T. -0.00 min

Lab File: BM028284.D

Acq: 30 Dec 2020 12:16

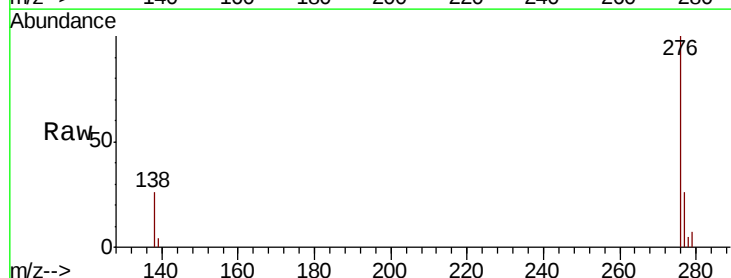
Tgt Ion:276 Resp: 7854

Ion Ratio Lower Upper

276 100

138 26.2 19.7 29.5

277 26.0 20.6 31.0



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

