

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011321\
 Data File : BM028385.D
 Acq On : 13 Jan 2021 12:08
 Operator : CG/JU
 Sample : PB134061BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS061

Quant Time: Jan 13 12:48:56 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM011121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 12 10:28:38 2021
 Response via : Initial Calibration

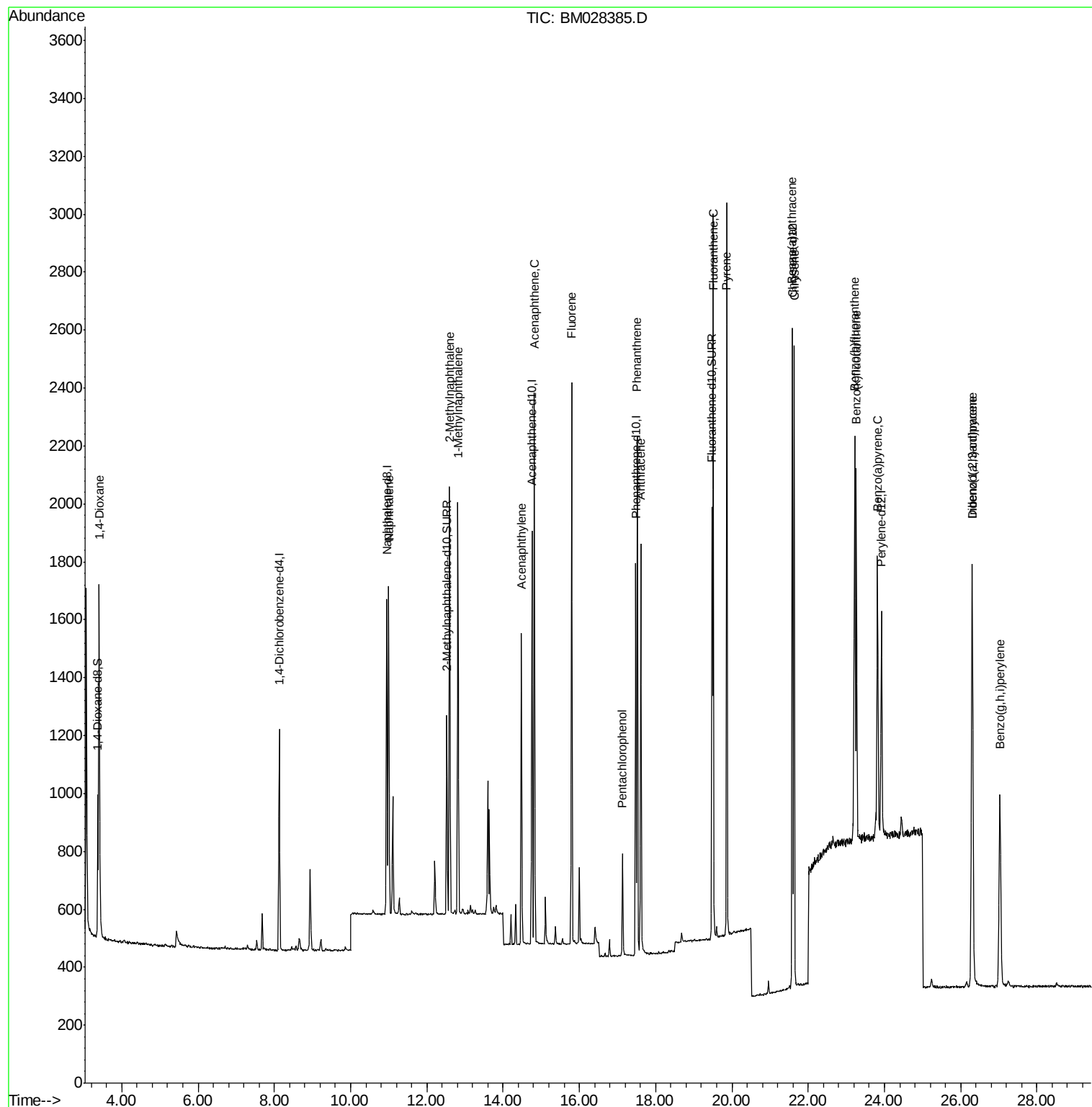
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	376	0.40	ng/ul	0.00
4) Naphthalene-d8	10.95	136	1427	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.75	164	775	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.48	188	1588	0.40	ng/ul	0.00
17) Chrysene-d12	21.60	240	1313	0.40	ng/ul	0.00
23) Perylene-d12	23.92	264	1027	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.37	96	303	0.72	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.52	152	838	0.41	ng/ul	0.00
18) Fluoranthene-d10	19.48	212	1607	0.39	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.40	88	766	1.770	ng/ul	93
5) Naphthalene	11.00	128	1525	0.374	ng/ul	96
7) 2-Methylnaphthalene	12.60	142	995	0.381	ng/ul	99
8) 1-Methylnaphthalene	12.82	142	943	0.379	ng/ul	99
10) Acenaphthylene	14.48	152	1209	0.360	ng/ul	99
11) Acenaphthene	14.82	153	1053	0.367	ng/ul	100
12) Fluorene	15.80	166	1175	0.375	ng/ul	99
14) Pentachlorophenol	17.13	266	229	0.641	ng/ul	100
15) Phenanthrene	17.52	178	1844	0.367	ng/ul	99
16) Anthracene	17.61	178	1610	0.367	ng/ul	99
19) Fluoranthene	19.51	202	2067	0.359	ng/ul	100
20) Pyrene	19.87	202	2078	0.366	ng/ul	100
21) Benzo(a)anthracene	21.58	228	1717	0.381	ng/ul	99
22) Chrysene	21.63	228	1864	0.377	ng/ul	100
24) Benzo(b)fluoranthene	23.22	252	1765	0.399	ng/ul	99
25) Benzo(k)fluoranthene	23.26	252	1702	0.407	ng/ul	98
26) Benzo(a)pyrene	23.82	252	1400	0.386	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.30	276	1677	0.353	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.31	278	1382	0.352	ng/ul	98
29) Benzo(g,h,i)perylene	27.03	276	1477	0.347	ng/ul	98

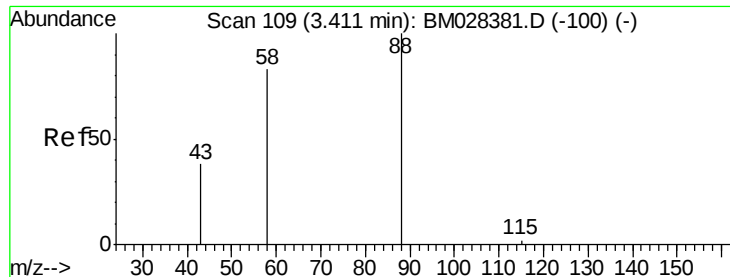
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.770 ng/ul

RT: 3.40 min Scan# 107

Delta R.T. -0.01 min

Lab File: BM028385.D

Acq: 13 Jan 2021 12:08

Instrument :

BNA_M

ClientSampleId :

SLCS061

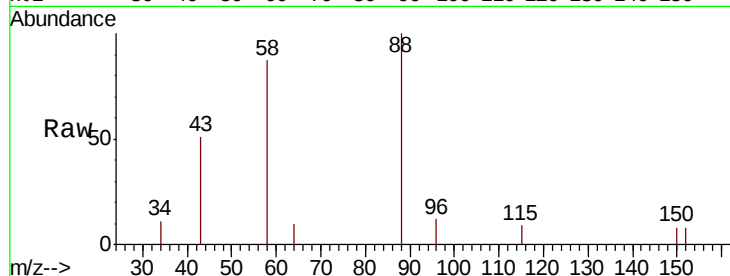
Tot Ion: 88 Resp: 766

Ion Ratio Lower Upper

88 100

43 51.4 47.8 71.6

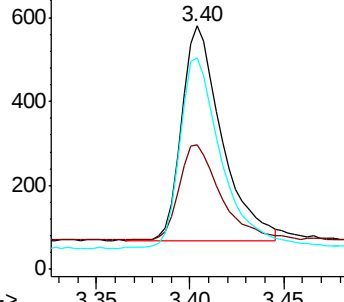
58 86.9 67.1 100.7



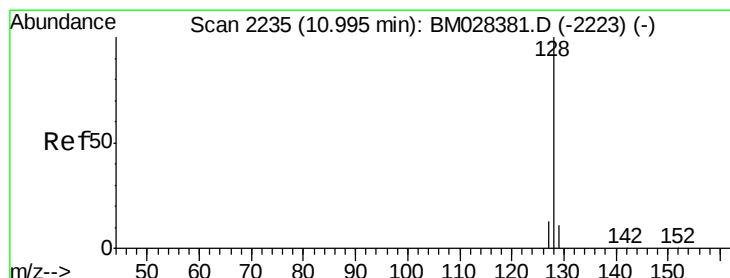
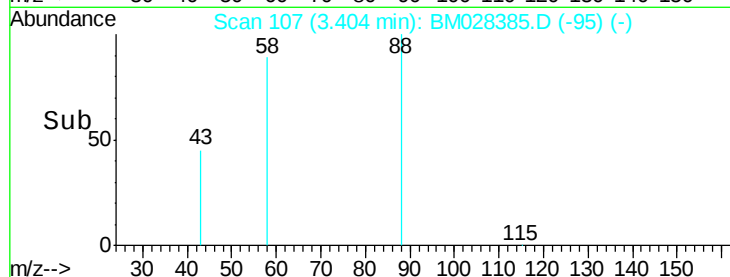
Abundance Ion 88.00 (87.70 to 88.70): BM028381.D (-100) (-)

Ion 43.00 (42.70 to 43.70): BM028381.D (-100) (-)

Ion 58.00 (57.70 to 58.70): BM028381.D (-100) (-)



Time-->



#5

Naphthalene

Concen: 0.374 ng/ul

RT: 11.00 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BM028385.D

Acq: 13 Jan 2021 12:08

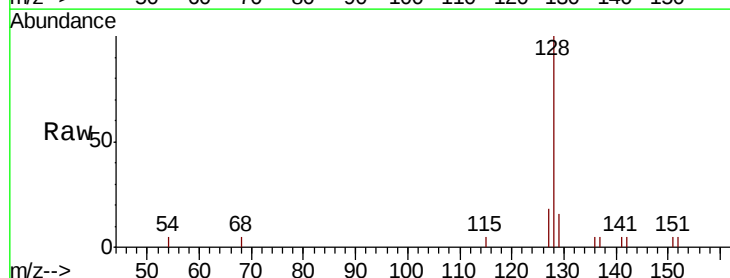
Tgt Ion: 128 Resp: 1525

Ion Ratio Lower Upper

128 100

129 15.9 11.1 16.7

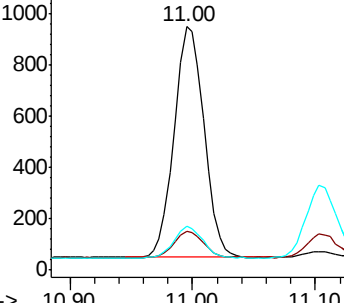
127 17.8 13.0 19.4



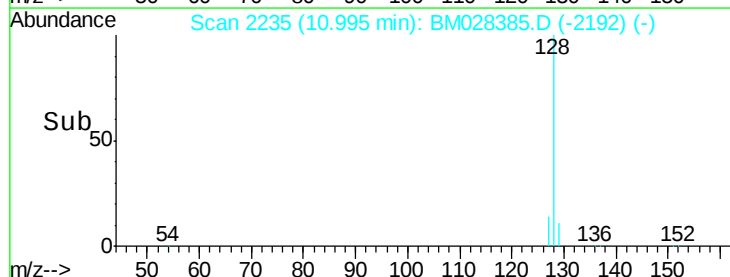
Abundance Ion 128.00 (127.70 to 128.70): BM028381.D (-2223) (-)

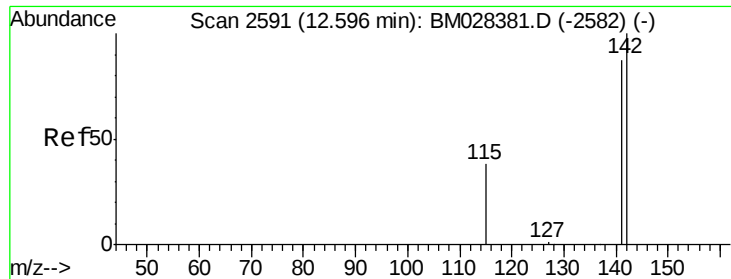
Ion 129.00 (128.70 to 129.70): BM028381.D (-2223) (-)

Ion 127.00 (126.70 to 127.70): BM028381.D (-2223) (-)



Time-->





#7

2-Methylnaphthalene

Concen: 0.381 ng/ul

RT: 12.60 min Scan# 2591

Delta R.T. 0.00 min

Lab File: BM028385.D

Acq: 13 Jan 2021 12:08

Instrument :

BNA_M

ClientSampleId :

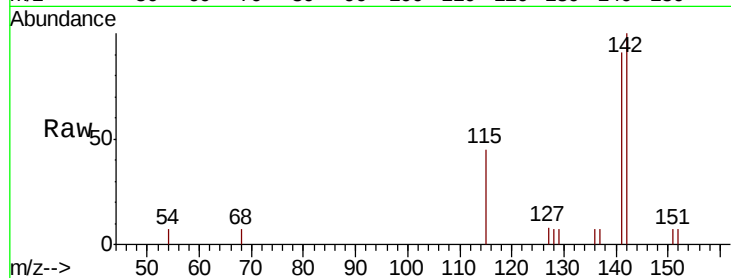
SLCS061

Tot Ion:142 Resp: 995

Ion Ratio Lower Upper

142 100

141 89.6 71.0 106.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.60

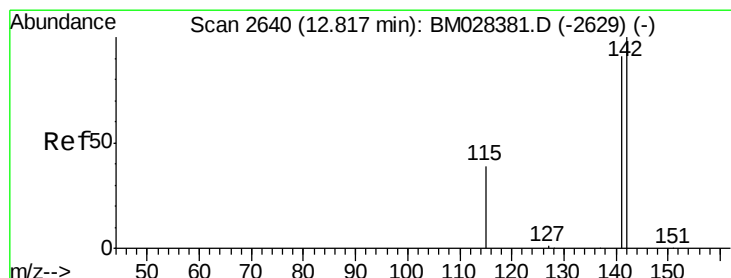
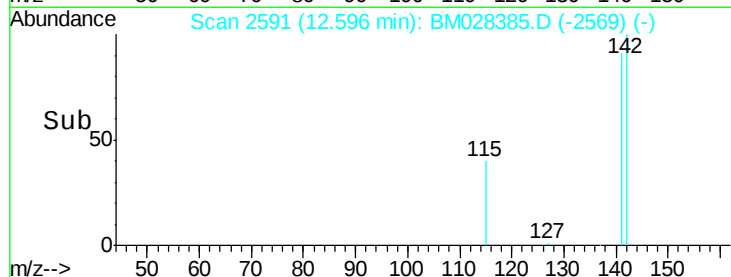
600

400

200

0

Time--> 12.50 12.55 12.60 12.65



#8

1-Methylnaphthalene

Concen: 0.379 ng/ul

RT: 12.82 min Scan# 2640

Delta R.T. 0.00 min

Lab File: BM028385.D

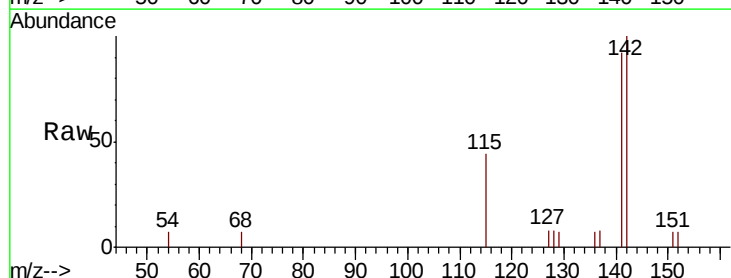
Acq: 13 Jan 2021 12:08

Tgt Ion:142 Resp: 943

Ion Ratio Lower Upper

142 100

141 91.8 74.0 111.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.82

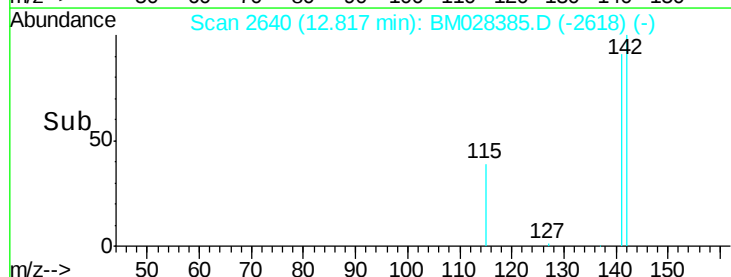
600

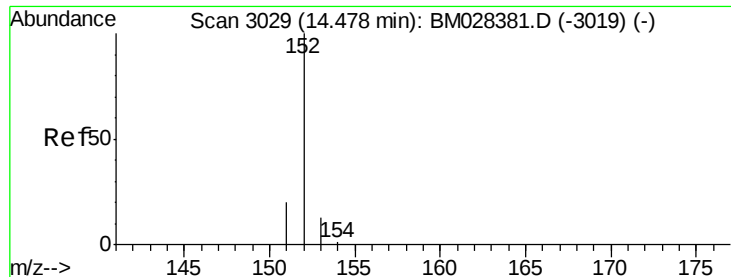
400

200

0

Time--> 12.75 12.80 12.85 12.90





#10

Acenaphthylene

Concen: 0.360 ng/ul

RT: 14.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: BM028385.D

Acq: 13 Jan 2021 12:08

Instrument :

BNA_M

ClientSampleId :

SLCS061

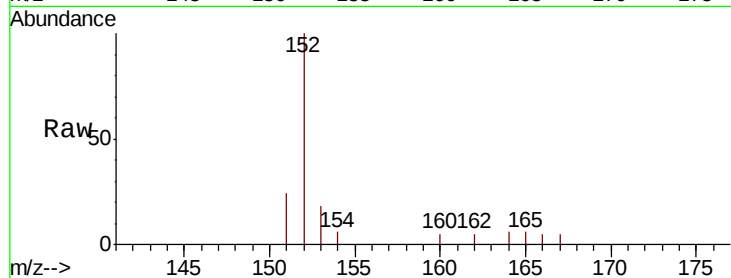
Tot Ion:152 Resp: 1209

Ion Ratio Lower Upper

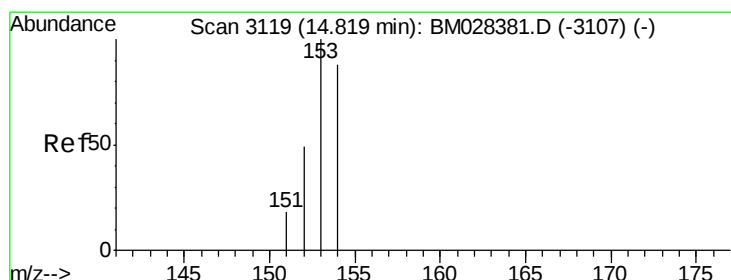
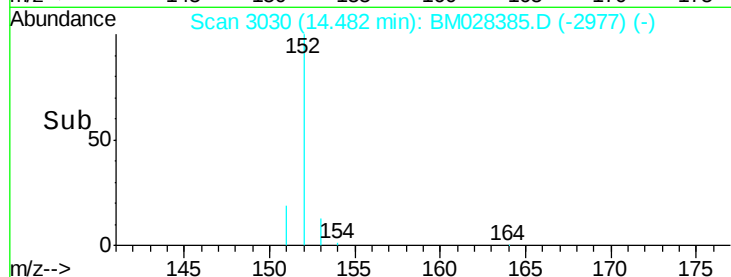
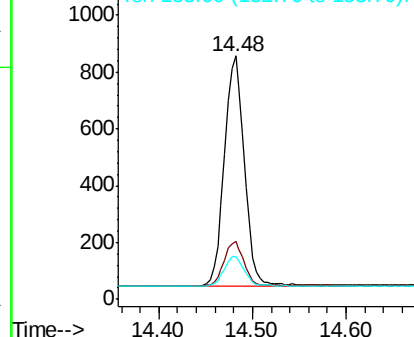
152 100

151 23.9 18.4 27.6

153 17.5 13.8 20.6



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: 0.367 ng/ul

RT: 14.82 min Scan# 3119

Delta R.T. 0.00 min

Lab File: BM028385.D

Acq: 13 Jan 2021 12:08

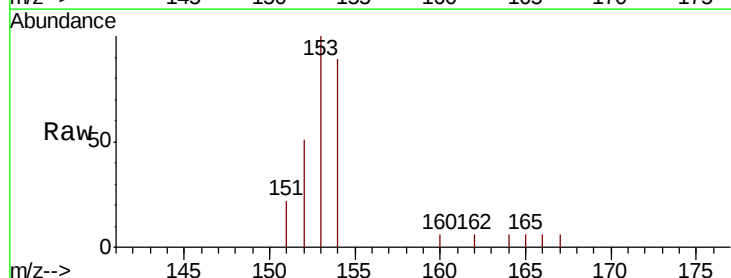
Tgt Ion:153 Resp: 1053

Ion Ratio Lower Upper

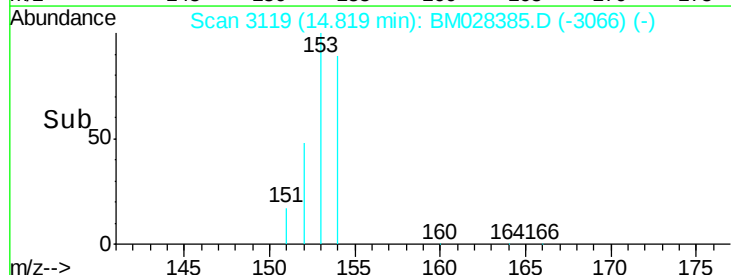
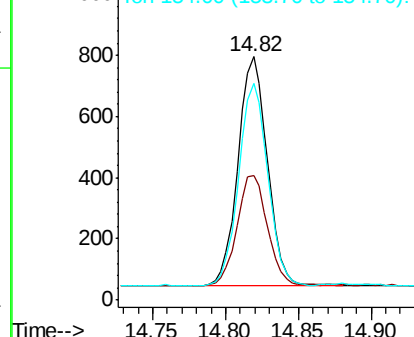
153 100

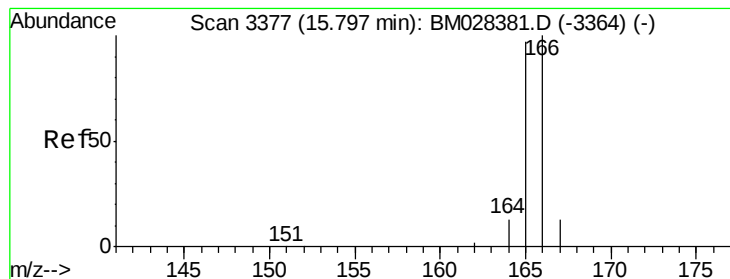
152 51.4 40.9 61.3

154 89.2 71.7 107.5



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: 0.375 ng/ul

RT: 15.80 min Scan# 3377

Delta R.T. 0.00 min

Lab File: BM028385.D

Acq: 13 Jan 2021 12:08

Instrument :

BNA_M

ClientSampleId :

SLCS061

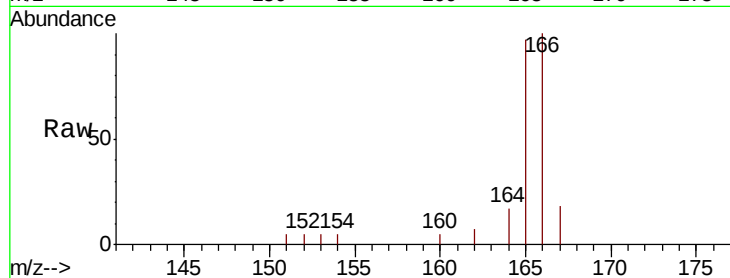
Tot Ion:166 Resp: 1175

Ion Ratio Lower Upper

166 100

165 96.8 78.6 117.8

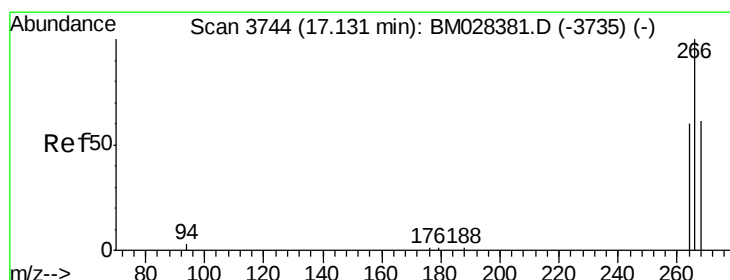
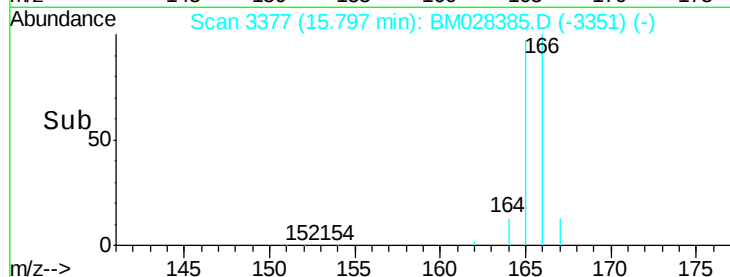
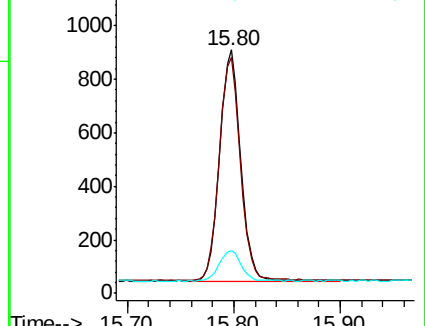
167 17.7 14.2 21.2



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



#14

Pentachlorophenol

Concen: 0.641 ng/ul

RT: 17.13 min Scan# 3743

Delta R.T. -0.00 min

Lab File: BM028385.D

Acq: 13 Jan 2021 12:08

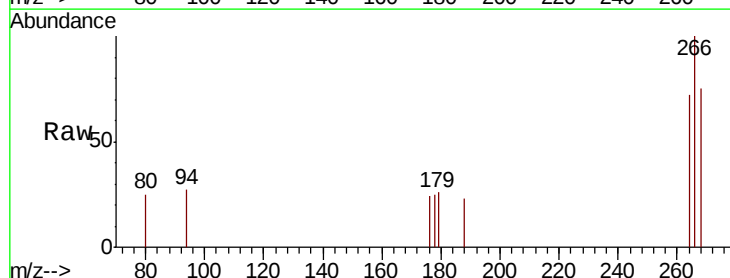
Tgt Ion:266 Resp: 229

Ion Ratio Lower Upper

266 100

264 65.9 52.6 78.8

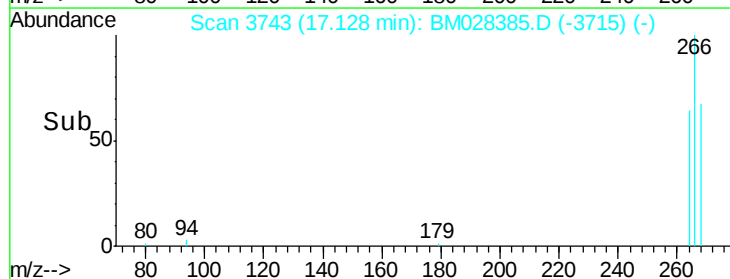
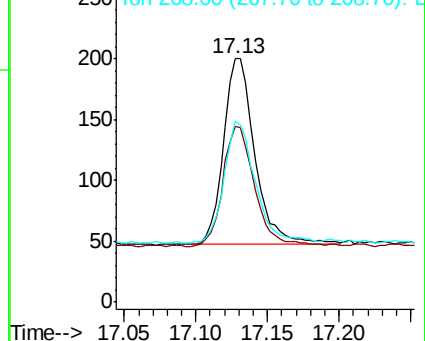
268 65.1 52.0 78.0

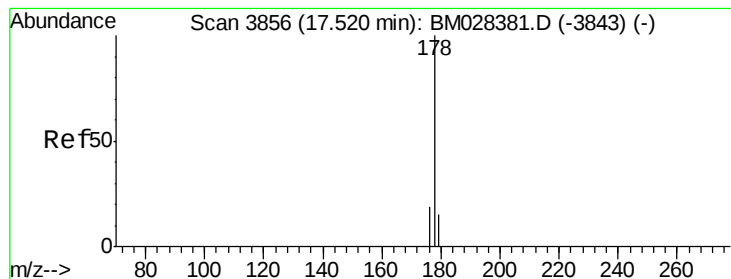


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.367 ng/ul

RT: 17.52 min Scan# 3856

Delta R.T. -0.00 min

Lab File: BM028385.D

Acq: 13 Jan 2021 12:08

Instrument :

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ClientSampleId :

SLCS061

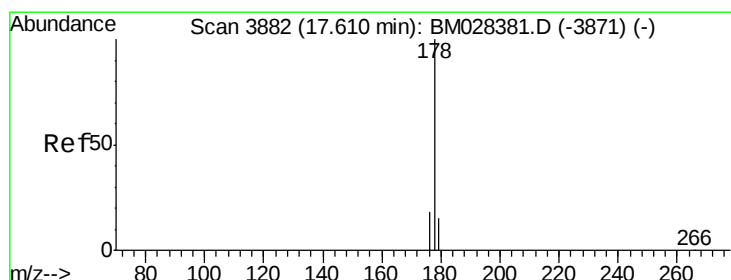
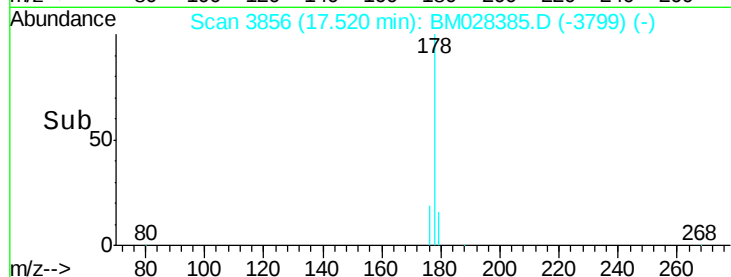
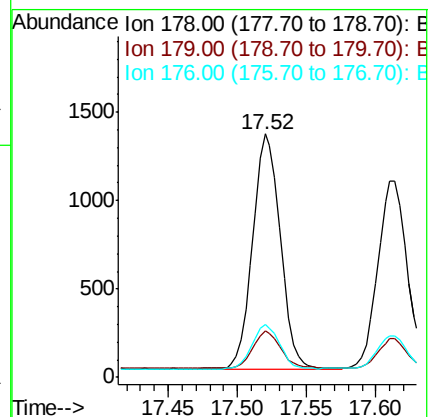
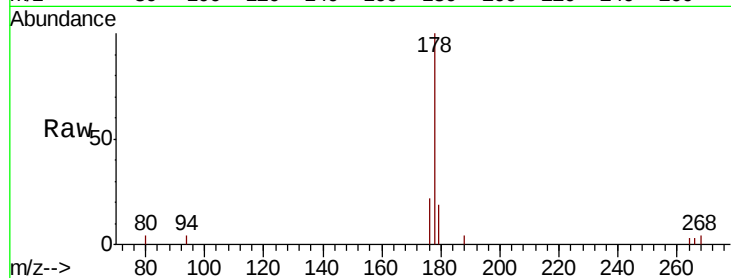
Tot Ion:178 Resp: 1844

Ion Ratio Lower Upper

178 100

179 18.9 14.6 21.8

176 21.6 17.0 25.6



#16

Anthracene

Concen: 0.367 ng/ul

RT: 17.61 min Scan# 3882

Delta R.T. -0.00 min

Lab File: BM028385.D

Acq: 13 Jan 2021 12:08

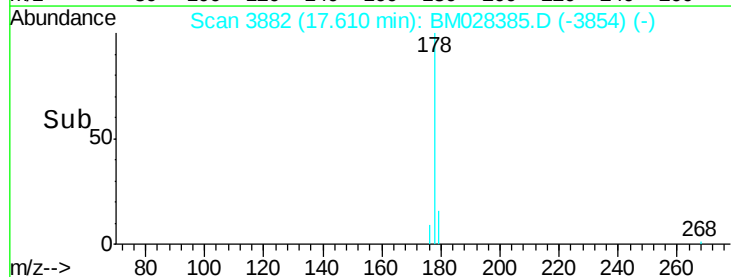
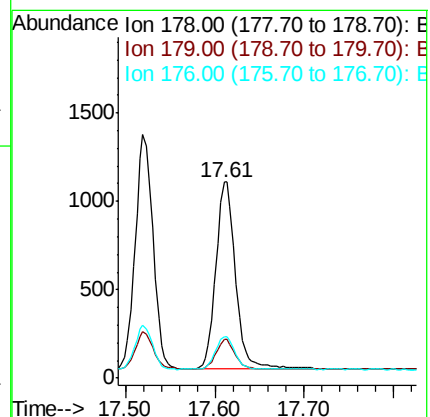
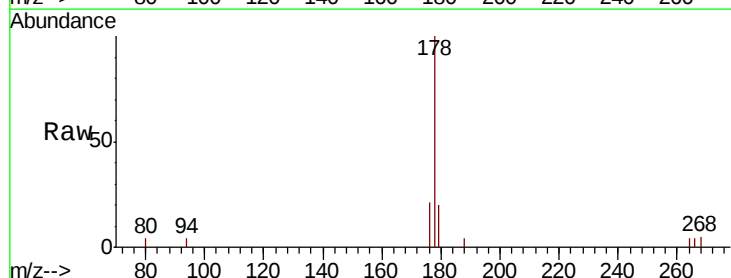
Tgt Ion:178 Resp: 1610

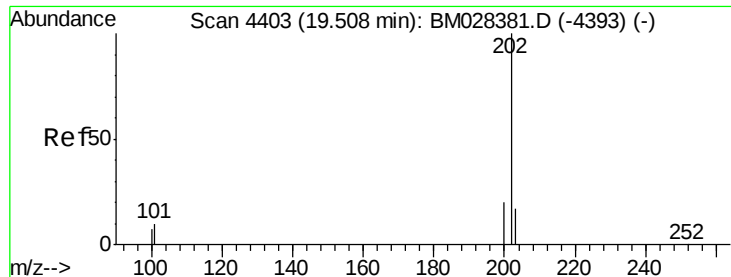
Ion Ratio Lower Upper

178 100

179 19.5 15.1 22.7

176 21.4 17.0 25.4





#19

Fluoranthene

Concen: 0.359 ng/ul

RT: 19.51 min Scan# 4403

Delta R.T. 0.00 min

Lab File: BM028385.D

Acq: 13 Jan 2021 12:08

Instrument :

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ClientSampleId :

SLCS061

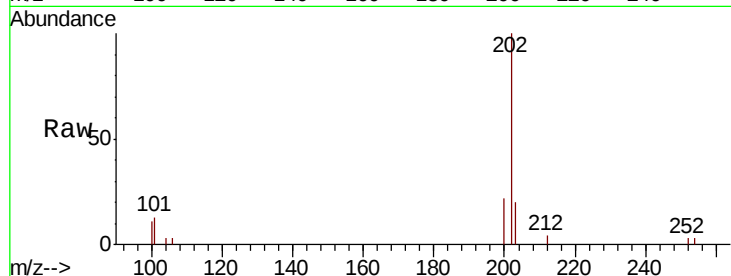
Tot Ion:202 Resp: 2067

Ion Ratio Lower Upper

202 100

101 12.8 10.2 15.4

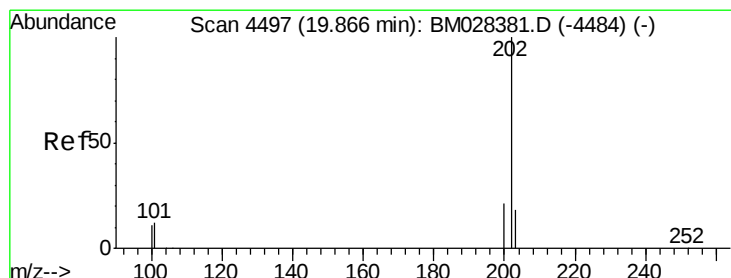
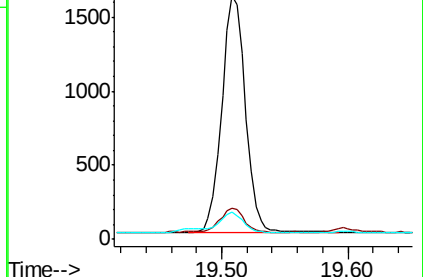
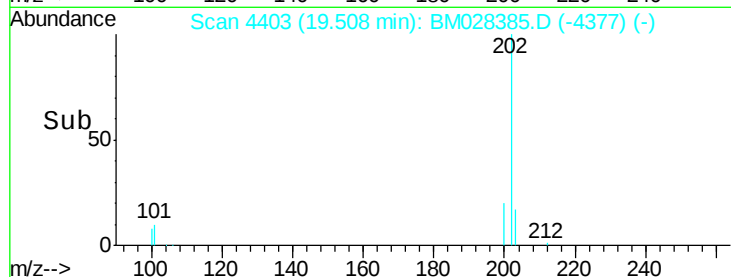
100 11.1 9.0 13.4



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: 0.366 ng/ul

RT: 19.87 min Scan# 4497

Delta R.T. 0.00 min

Lab File: BM028385.D

Acq: 13 Jan 2021 12:08

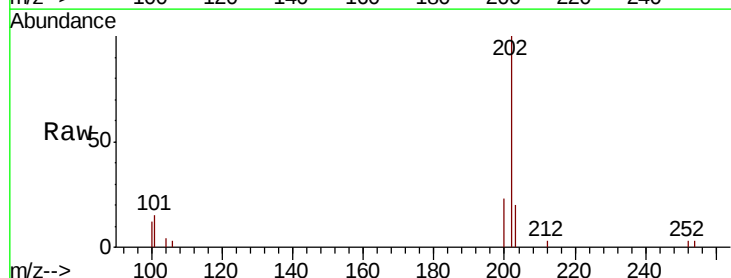
Tgt Ion:202 Resp: 2078

Ion Ratio Lower Upper

202 100

101 14.8 11.8 17.8

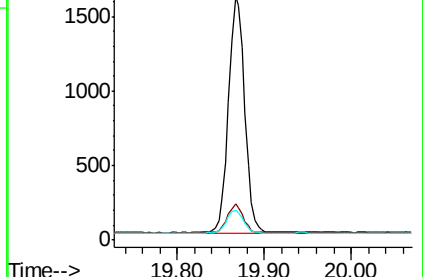
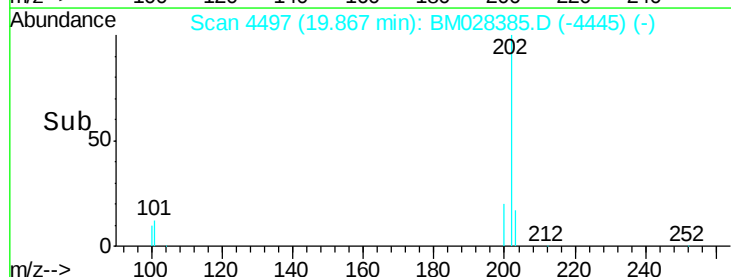
100 12.5 10.1 15.1

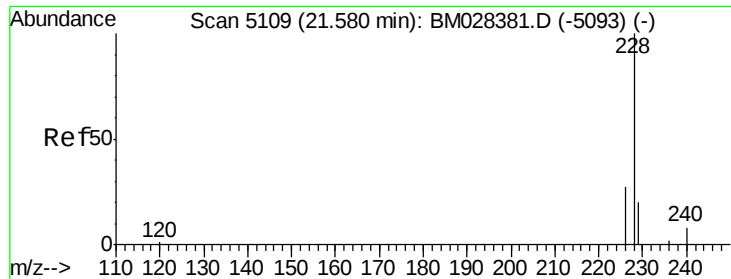


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.381 ng/ul

RT: 21.58 min Scan# 5109

Delta R.T. 0.00 min

Lab File: BM028385.D

Acq: 13 Jan 2021 12:08

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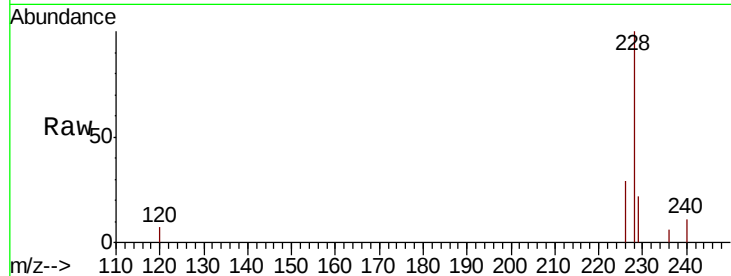
Tot Ion:228 Resp: 1717

Ion Ratio Lower Upper

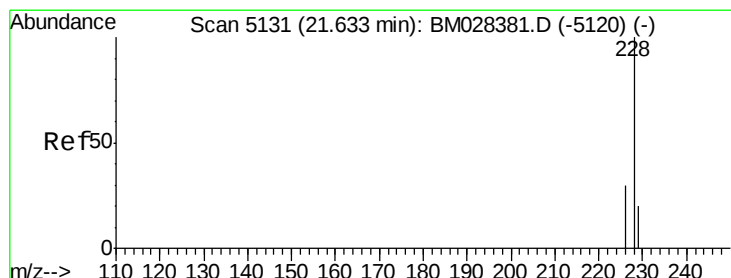
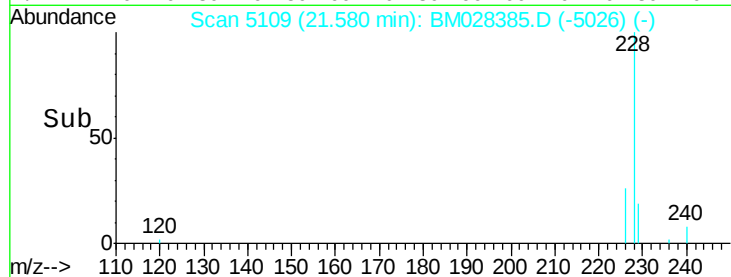
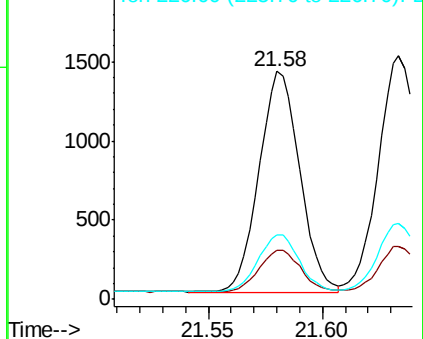
228 100

229 21.7 18.3 27.5

226 28.5 23.0 34.4



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: 0.377 ng/ul

RT: 21.63 min Scan# 5131

Delta R.T. 0.00 min

Lab File: BM028385.D

Acq: 13 Jan 2021 12:08

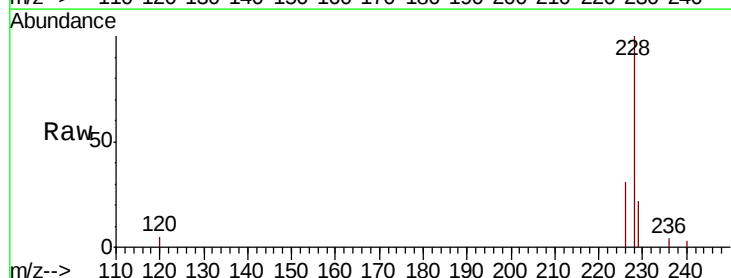
Tgt Ion:228 Resp: 1864

Ion Ratio Lower Upper

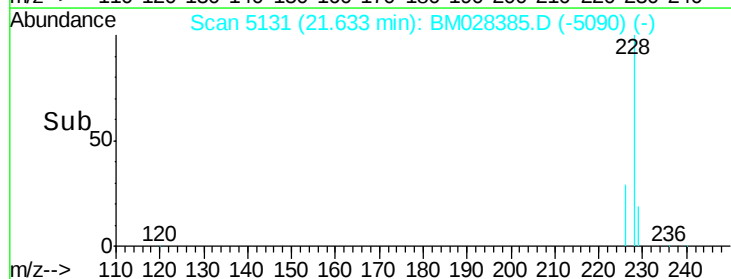
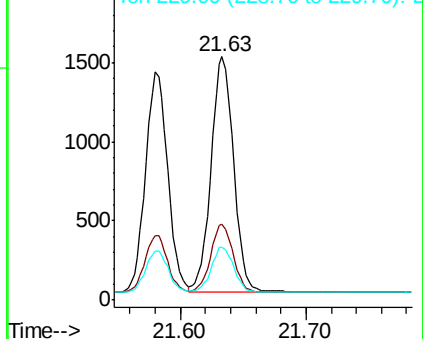
228 100

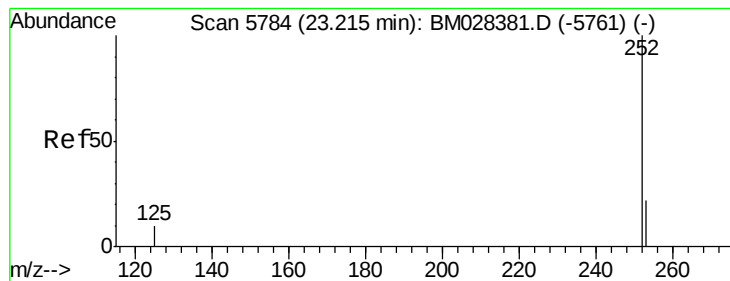
226 31.2 25.1 37.7

229 21.9 17.4 26.0



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: 0.399 ng/ul

RT: 23.22 min Scan# 5784

Delta R.T. 0.00 min

Lab File: BM028385.D

Acq: 13 Jan 2021 12:08

Instrument :

BNA_M

ClientSampleId :

SLCS061

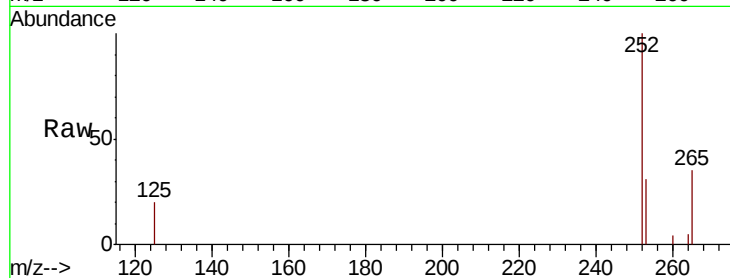
Tot Ion:252 Resp: 1765

Ion Ratio Lower Upper

252 100

253 31.0 0.0 61.4

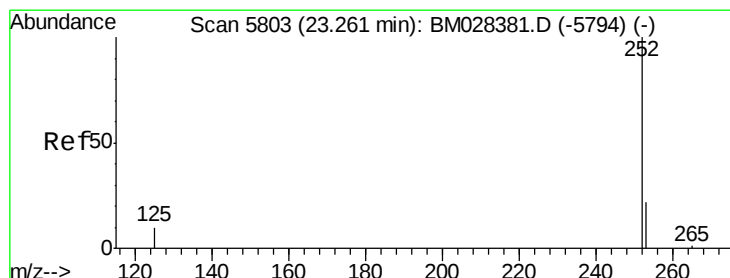
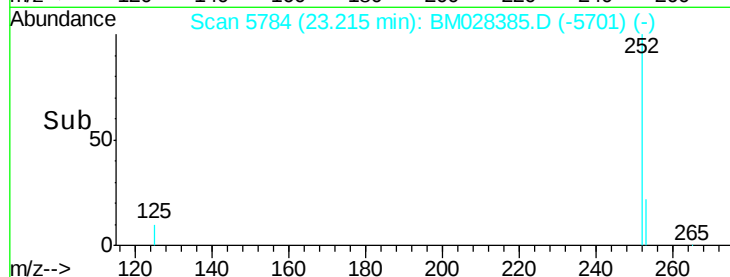
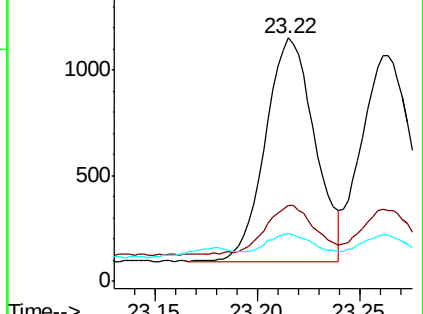
125 19.5 0.0 40.4



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: 0.407 ng/ul

RT: 23.26 min Scan# 5803

Delta R.T. 0.00 min

Lab File: BM028385.D

Acq: 13 Jan 2021 12:08

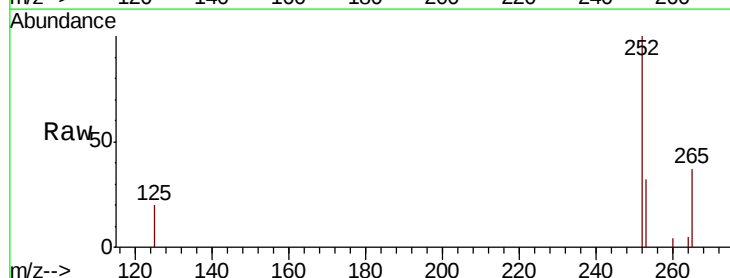
Tgt Ion:252 Resp: 1702

Ion Ratio Lower Upper

252 100

253 31.7 24.7 37.1

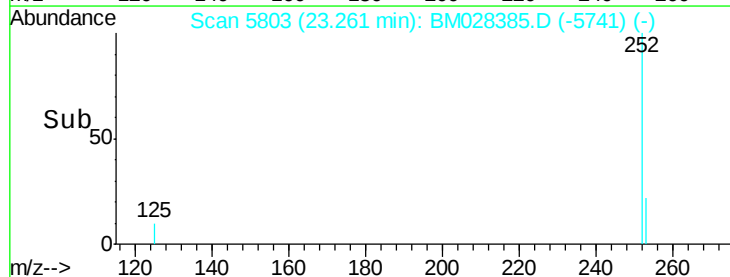
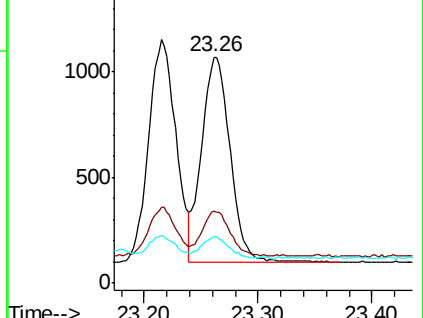
125 20.4 17.3 25.9

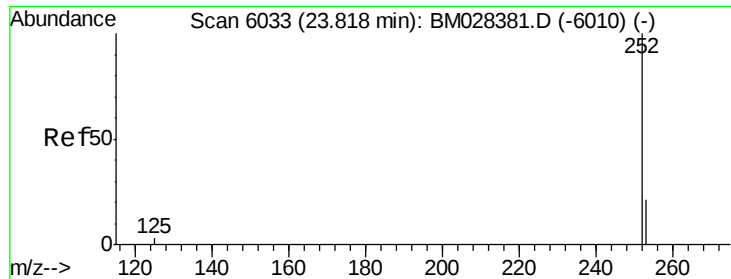


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.386 ng/u1

RT: 23.82 min Scan# 6033

Delta R.T. 0.00 min

Lab File: BM028385.D

Acq: 13 Jan 2021 12:08

Instrument :

BNA_M

ClientSampleId :

SLCS061

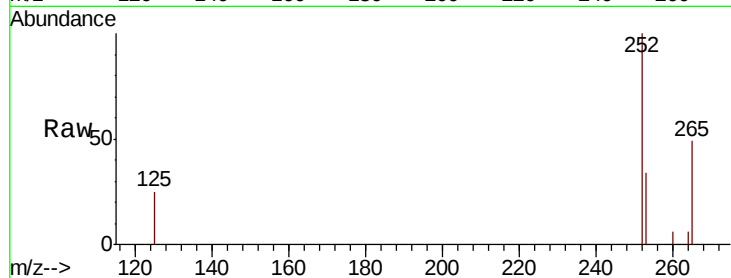
Tot Ion:252 Resp: 1400

Ion Ratio Lower Upper

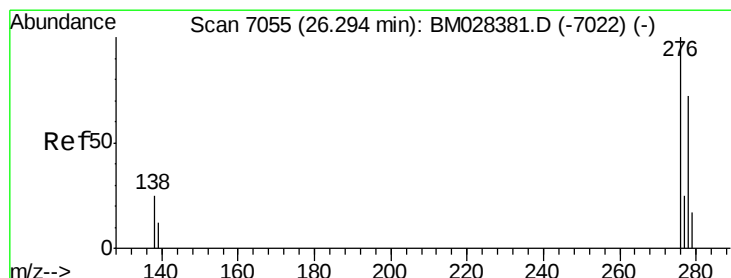
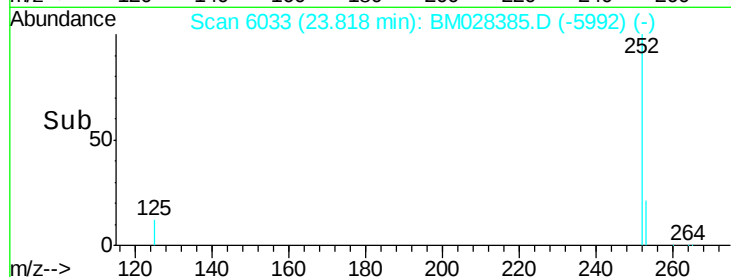
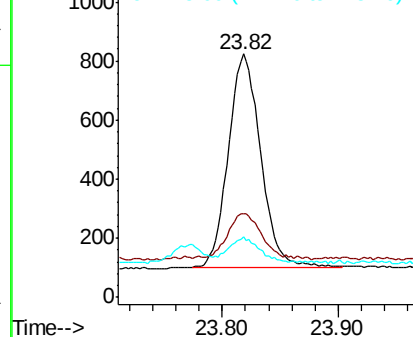
252 100

253 34.5 28.0 42.0

125 25.0 20.6 30.8



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.353 ng/u1

RT: 26.30 min Scan# 7056

Delta R.T. 0.00 min

Lab File: BM028385.D

Acq: 13 Jan 2021 12:08

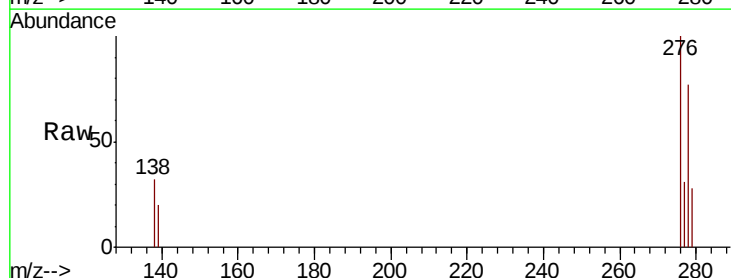
Tgt Ion:276 Resp: 1677

Ion Ratio Lower Upper

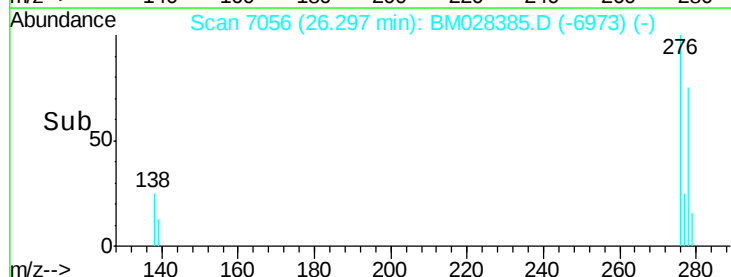
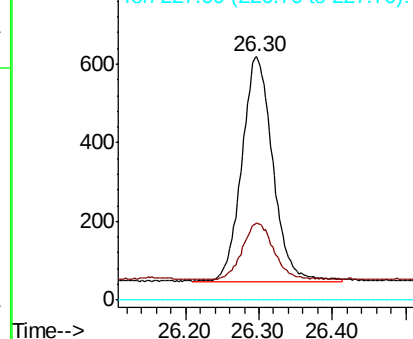
276 100

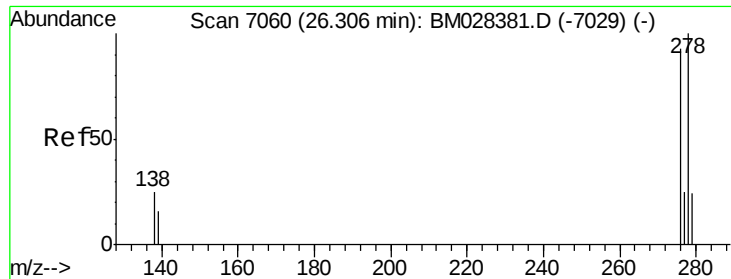
138 25.2 21.9 32.9

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

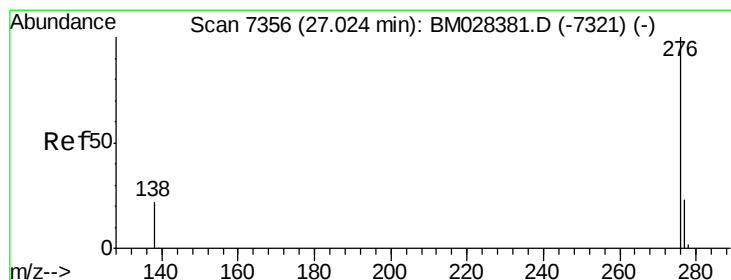
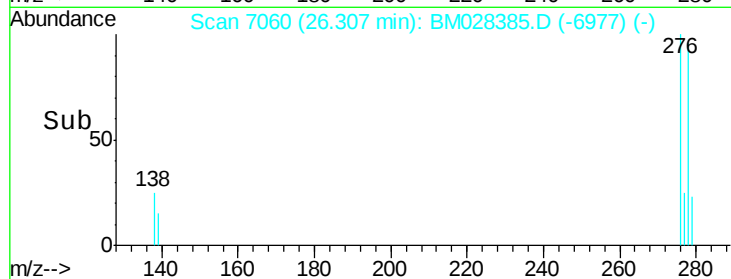
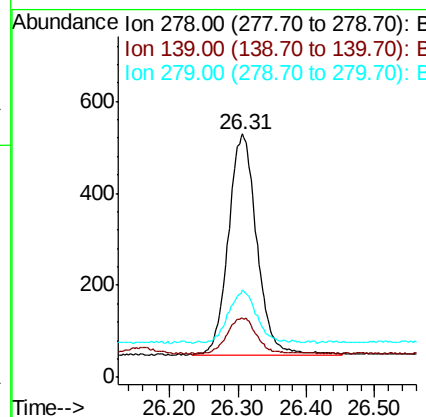
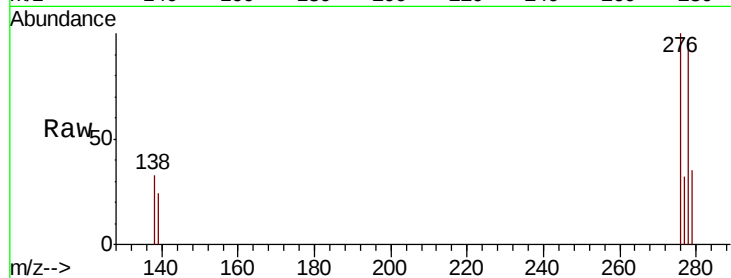




#28
Dibenzo(a,h)anthracene
Concen: 0.352 ng/u1
RT: 26.31 min Scan# 7060
Delta R.T. 0.00 min
Lab File: BM028385.D
Acq: 13 Jan 2021 12:08

Instrument :
BNA_M
ClientSampleId :
SLCS061

Tot Ion:278 Resp: 1382
Ion Ratio Lower Upper
278 100
139 24.4 20.3 30.5
279 35.7 27.5 41.3



#29
Benzo(g,h,i)perylene
Concen: 0.347 ng/u1
RT: 27.03 min Scan# 7358
Delta R.T. 0.00 min
Lab File: BM028385.D
Acq: 13 Jan 2021 12:08

Tgt Ion:276 Resp: 1477
Ion Ratio Lower Upper
276 100
138 31.0 24.7 37.1
277 31.6 23.8 35.6

