

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061521\
 Data File : BM030458.D
 Acq On : 15 Jun 2021 22:45
 Operator : CG/JU
 Sample : PB137013BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS013

Quant Time: Jun 16 01:48:18 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM060121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 15 20:50:06 2021
 Response via : Initial Calibration

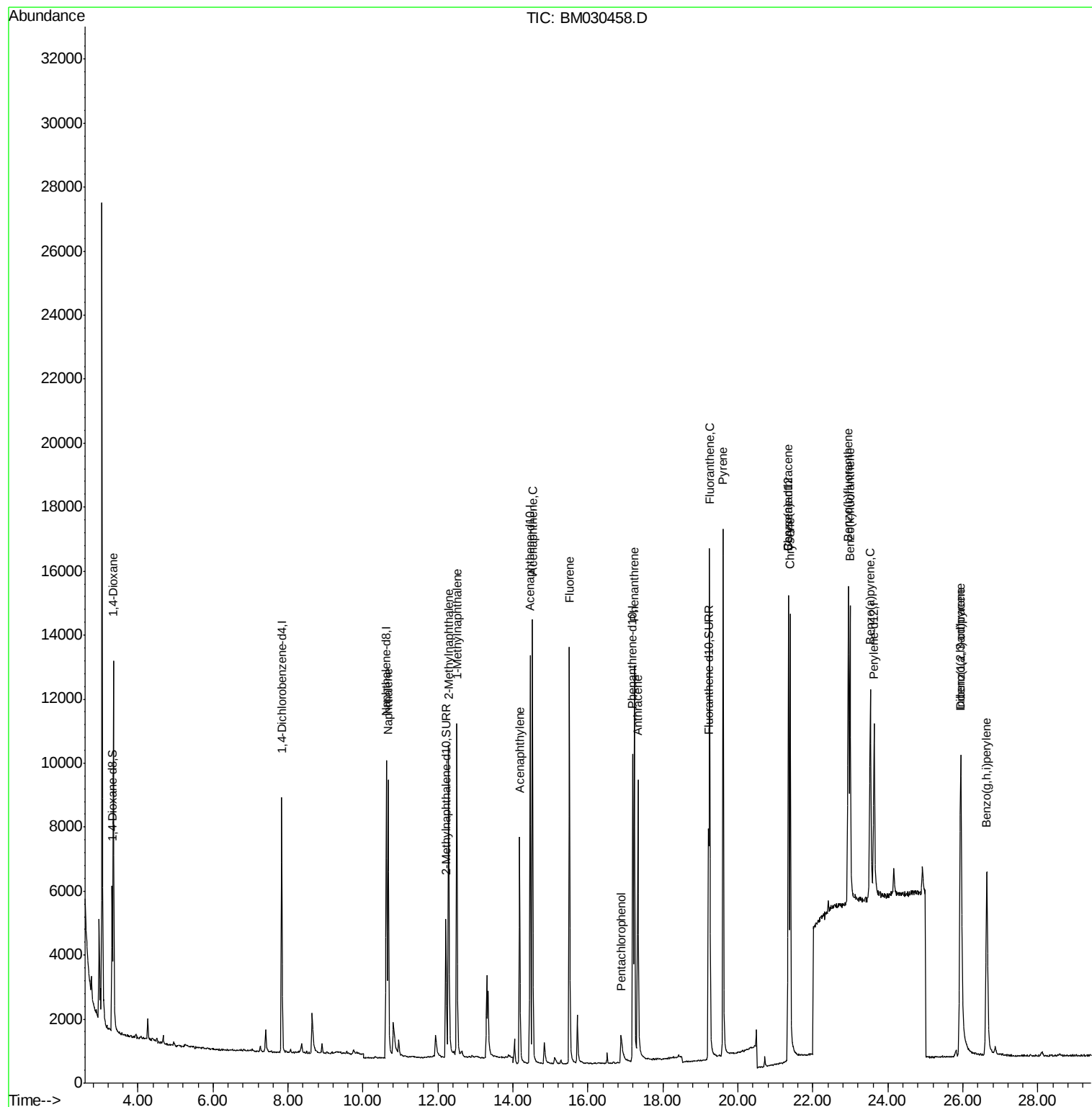
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	4277	0.40	ng/ul	0.00
4) Naphthalene-d8	10.62	136	14600	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.45	164	7593	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.19	188	13417	0.40	ng/ul	0.00
17) Chrysene-d12	21.35	240	9079	0.40	ng/ul	0.00
23) Perylene-d12	23.63	264	8470	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.31	96	2981	0.71	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.21	152	6924	0.33	ng/ul	0.00
18) Fluoranthene-d10	19.21	212	11161	0.37	ng/ul	0.00
Target Compounds					Ovalue	
2) 1,4-Dioxane	3.34	88	7436	1.643	ng/ul#	84
5) Naphthalene	10.67	128	13184	0.305	ng/ul	98
7) 2-Methylnaphthalene	12.28	142	8464	0.290	ng/ul	100
8) 1-Methylnaphthalene	12.50	142	8123	0.290	ng/ul	99
10) Acenaphthylene	14.18	152	9417	0.261	ng/ul	99
11) Acenaphthene	14.52	153	8749	0.284	ng/ul	99
12) Fluorene	15.51	166	9469	0.271	ng/ul	100
14) Pentachlorophenol	16.88	266	1639	0.392	ng/ul	94
15) Phenanthrene	17.24	178	14242	0.293	ng/ul	99
16) Anthracene	17.33	178	11579	0.280	ng/ul	100
19) Fluoranthene	19.24	202	15252	0.330	ng/ul	98
20) Pyrene	19.60	202	15846	0.337	ng/ul	98
21) Benzo(a)anthracene	21.34	228	11792	0.324	ng/ul	99
22) Chrysene	21.39	228	14005	0.357	ng/ul	99
24) Benzo(b)fluoranthene	22.94	252	13736	0.326	ng/ul	96
25) Benzo(k)fluoranthene	22.98	252	14114	0.354	ng/ul	96
26) Benzo(a)pyrene	23.53	252	11962	0.352	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	25.93	276	15413	0.342	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.95	278	12162	0.334	ng/ul	95
29) Benzo(g,h,i)perylene	26.64	276	14063	0.358	ng/ul	95

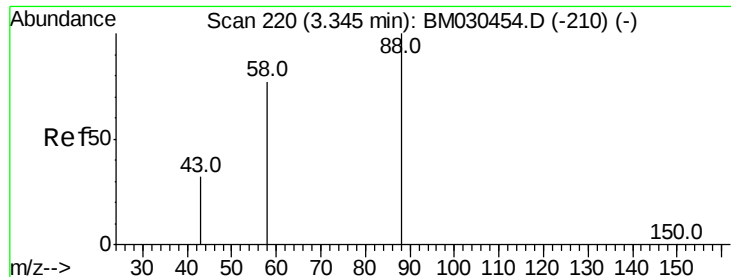
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.643 ng/ul

RT: 3.34 min Scan# 219

Delta R.T. -0.01 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

Instrument :

BNA_M

ClientSampleId :

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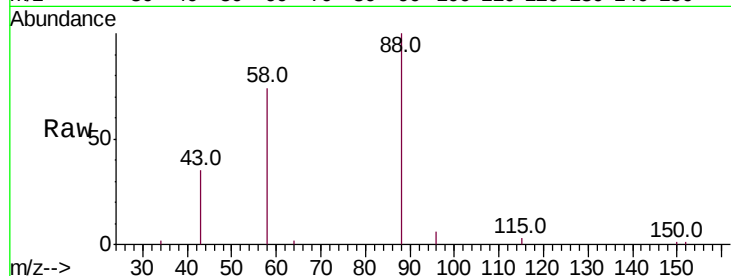
Tot Ion: 88 Resp: 7436

Ion Ratio Lower Upper

88 100

43 35.4 38.2 57.4#

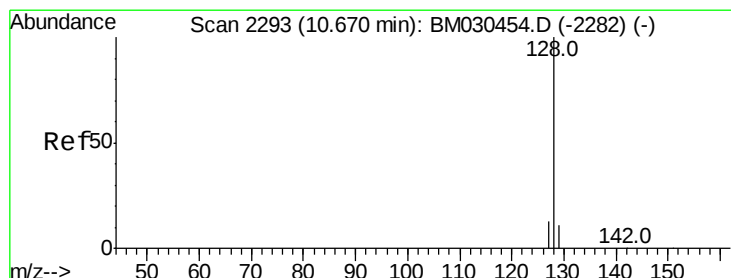
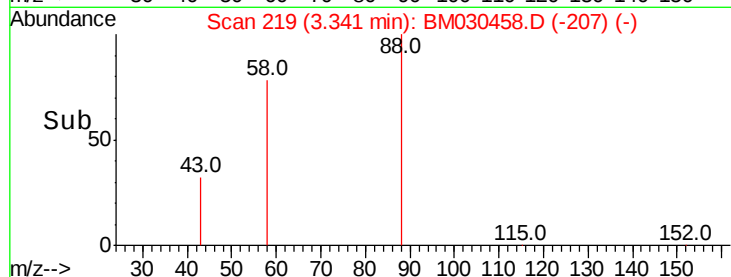
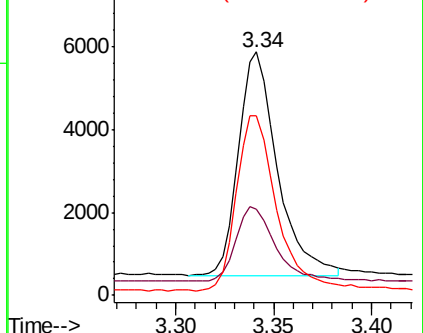
58 73.9 49.8 74.8



Abundance Ion 88.00 (87.70 to 88.70): BM030458.D (-219) (-)

Ion 43.00 (42.70 to 43.70): BM030458.D (-219) (-)

Ion 58.00 (57.70 to 58.70): BM030458.D (-219) (-)



#5

Naphthalene

Concen: 0.305 ng/ul

RT: 10.67 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

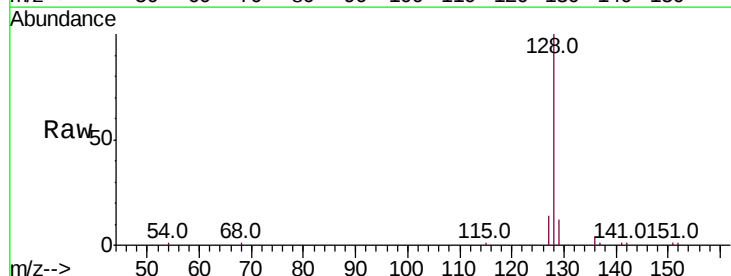
Tgt Ion: 128 Resp: 13184

Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.4

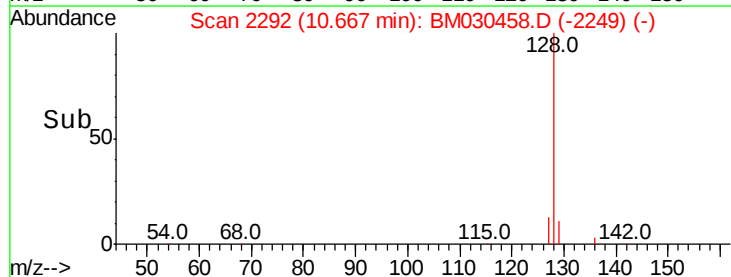
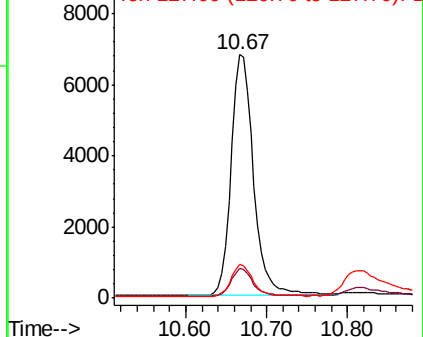
127 13.7 10.5 15.7

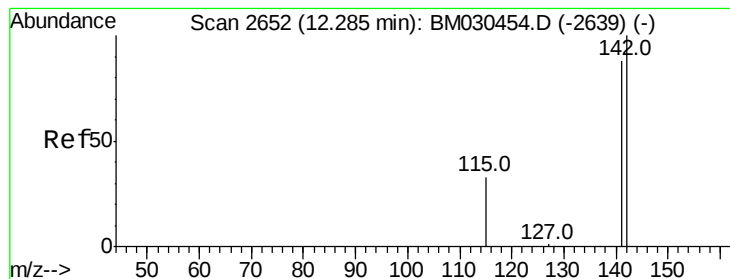


Abundance Ion 128.00 (127.70 to 128.70): BM030458.D (-2292) (-)

Ion 129.00 (128.70 to 129.70): BM030458.D (-2292) (-)

Ion 127.00 (126.70 to 127.70): BM030458.D (-2292) (-)





#7

2-Methylnaphthalene

Concen: 0.290 ng/ul

RT: 12.28 min Scan# 2651

Delta R.T. -0.00 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

Instrument :

BNA_M

ClientSampleId :

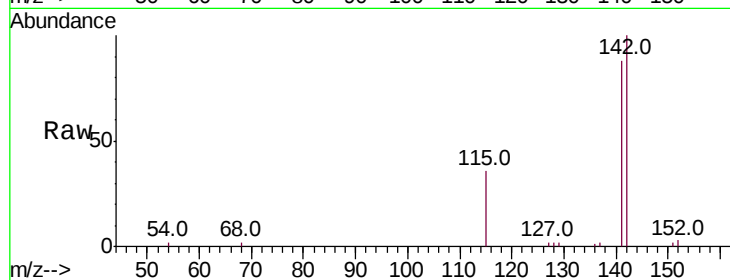
SLCS013

Tot Ion:142 Resp: 8464

Ion Ratio Lower Upper

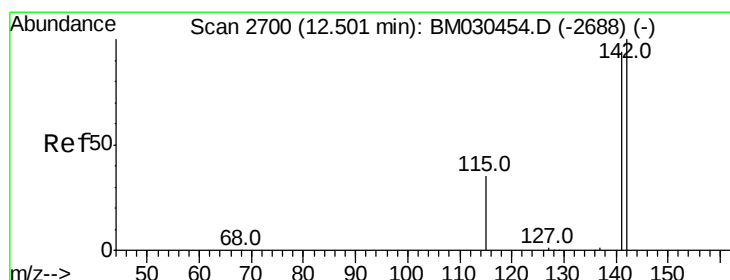
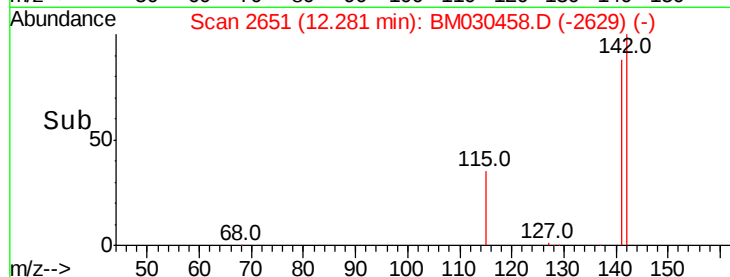
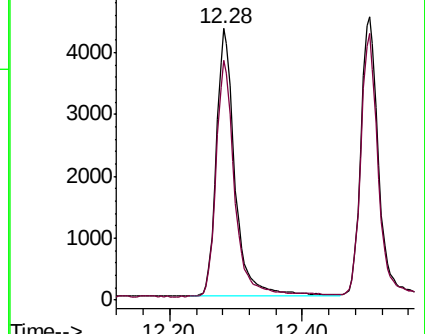
142 100

141 89.9 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.290 ng/ul

RT: 12.50 min Scan# 2700

Delta R.T. -0.00 min

Lab File: BM030458.D

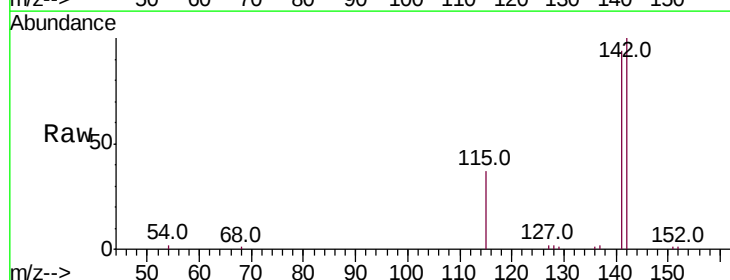
Acq: 15 Jun 2021 22:45

Tgt Ion:142 Resp: 8123

Ion Ratio Lower Upper

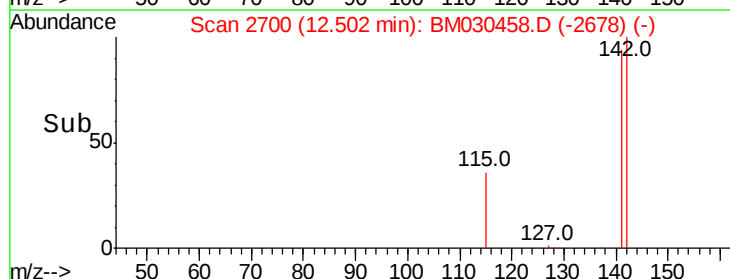
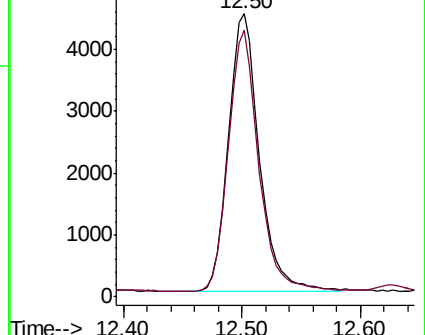
142 100

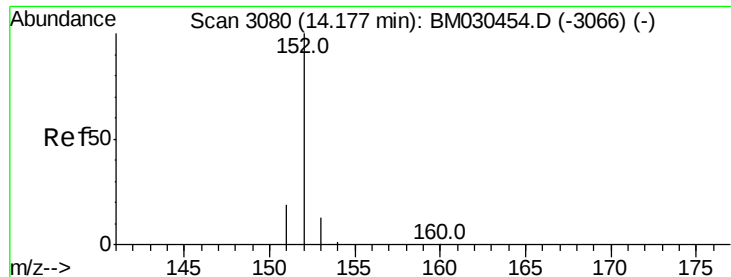
141 92.6 73.3 109.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.261 ng/ul

RT: 14.18 min Scan# 3080

Delta R.T. -0.00 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

Instrument :

BNA_M

ClientSampleId :

SLCS013

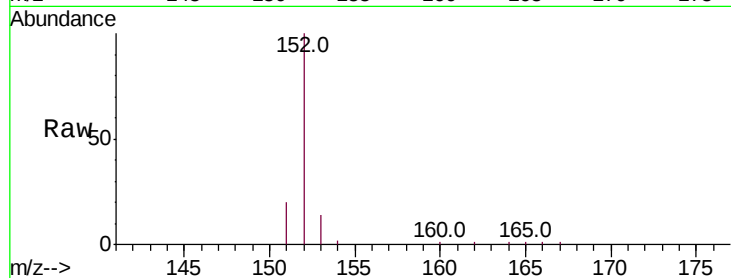
Tot Ion:152 Resp: 9417

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

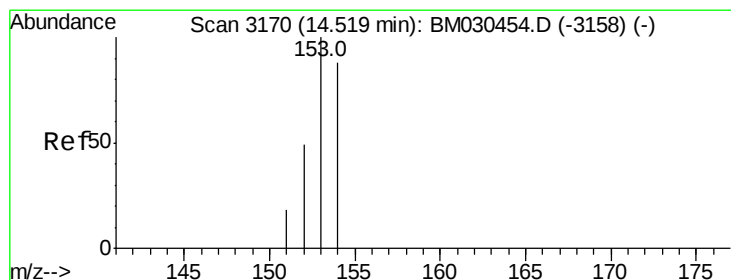
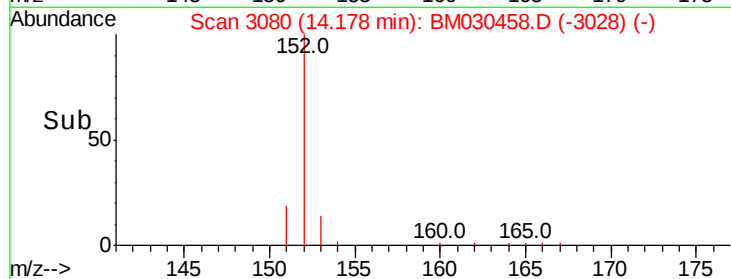
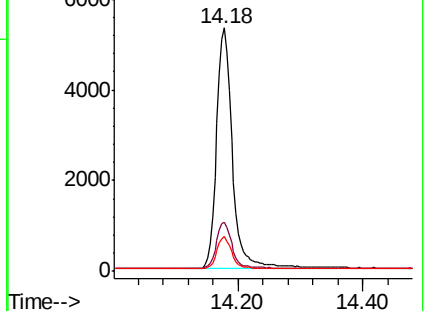
153 14.3 10.9 16.3



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: 0.284 ng/ul

RT: 14.52 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

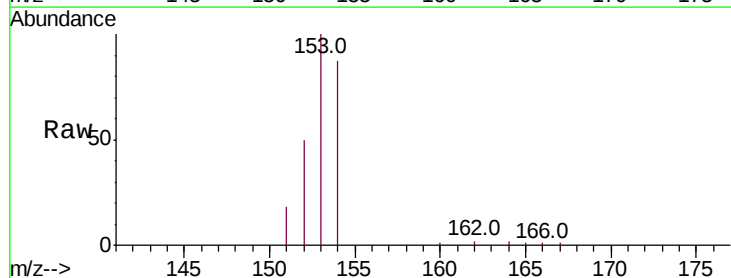
Tgt Ion:153 Resp: 8749

Ion Ratio Lower Upper

153 100

152 49.7 39.8 59.8

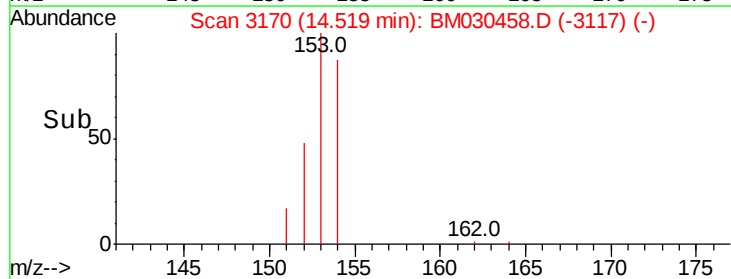
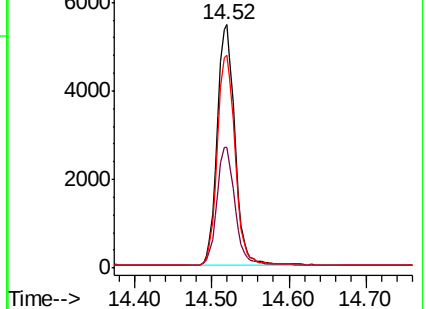
154 87.5 70.9 106.3

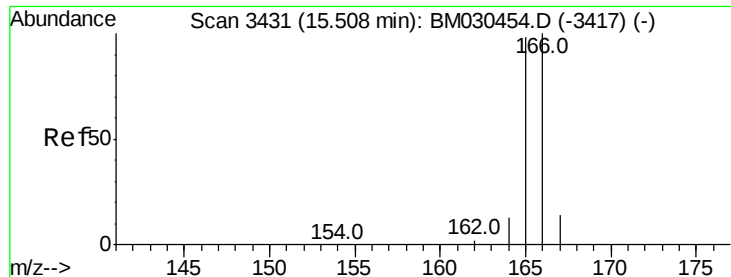


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.271 ng/ul

RT: 15.51 min Scan# 3430

Delta R.T. -0.00 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

Instrument :

BNA_M

ClientSampleId :

SLCS013

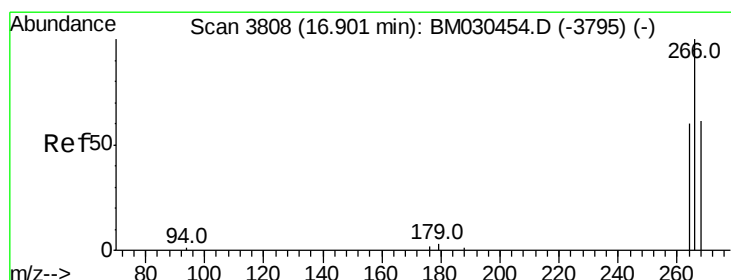
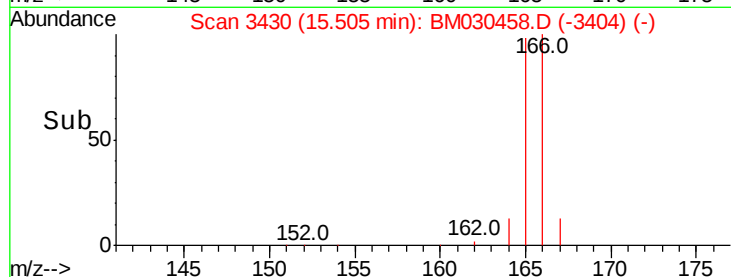
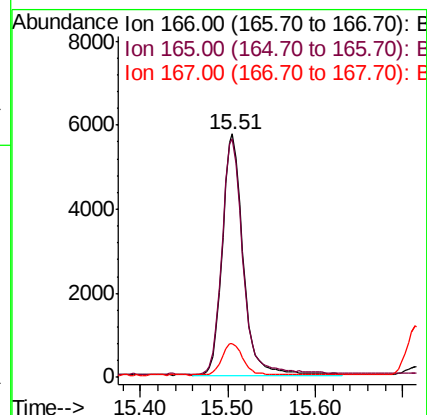
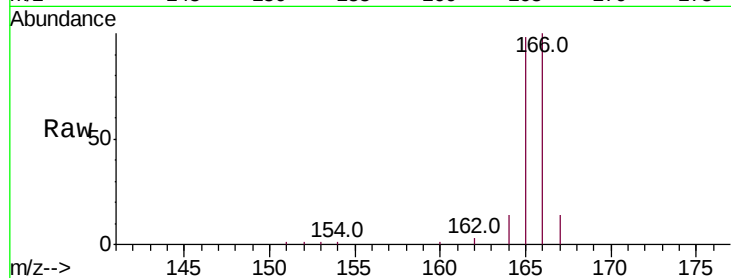
Tot Ion:166 Resp: 9469

Ion Ratio Lower Upper

166 100

165 98.0 78.2 117.2

167 14.1 10.9 16.3



#14

Pentachlorophenol

Concen: 0.392 ng/ul

RT: 16.88 min Scan# 3802

Delta R.T. 0.01 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

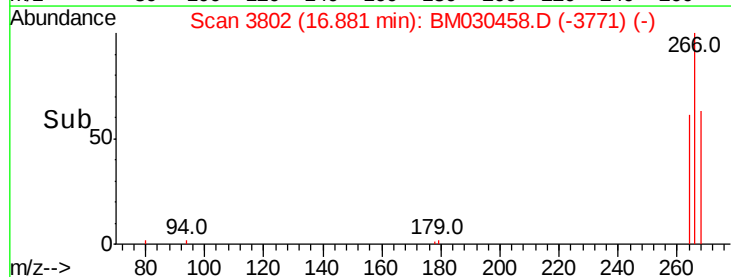
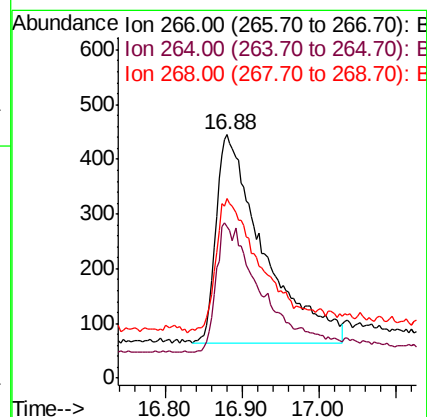
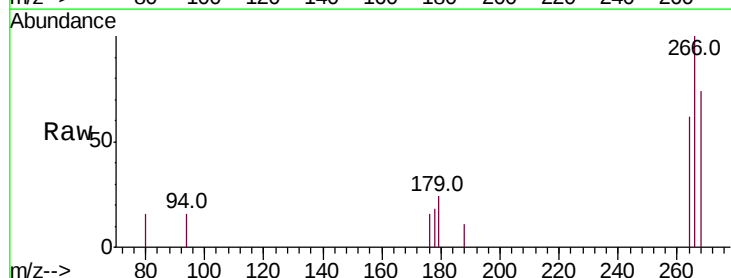
Tgt Ion:266 Resp: 1639

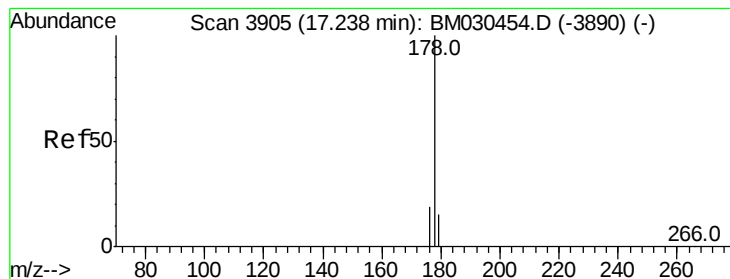
Ion Ratio Lower Upper

266 100

264 60.4 50.6 75.8

268 69.1 50.0 75.0





#15

Phenanthrene

Concen: 0.293 ng/ul

RT: 17.24 min Scan# 3904

Delta R.T. -0.00 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

Instrument :

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SLCS013

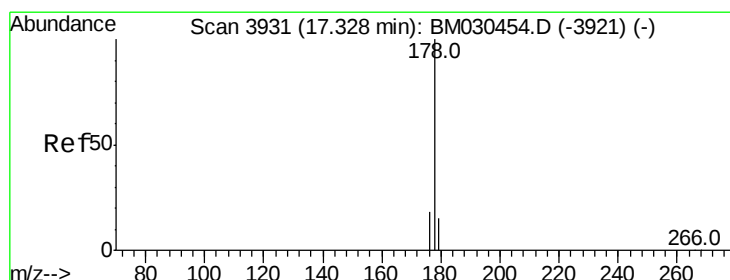
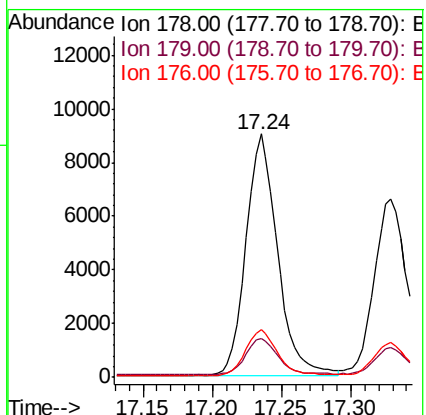
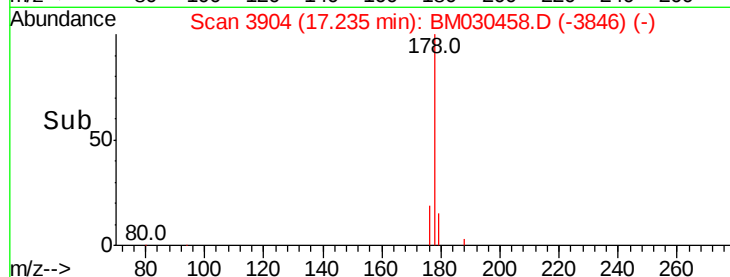
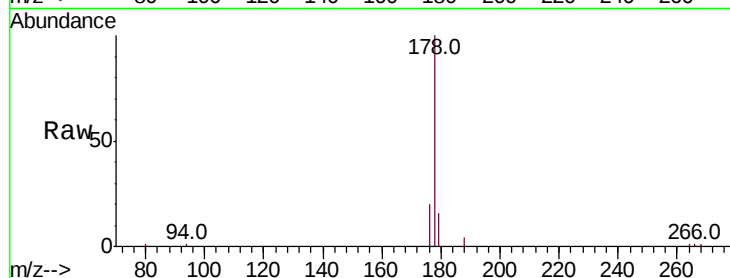
Tot Ion:178 Resp: 14242

Ion Ratio Lower Upper

178 100

179 16.2 12.5 18.7

176 19.5 15.6 23.4



#16

Anthracene

Concen: 0.280 ng/ul

RT: 17.33 min Scan# 3931

Delta R.T. 0.00 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

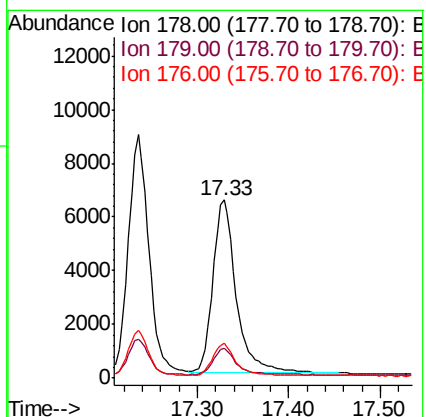
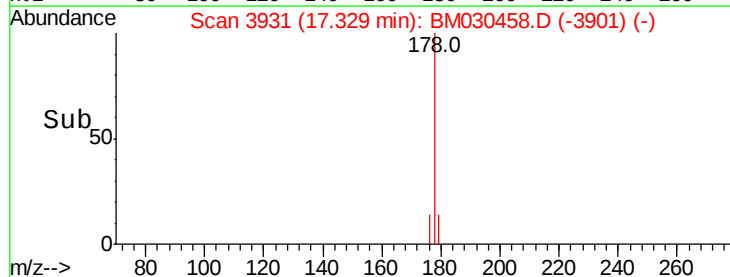
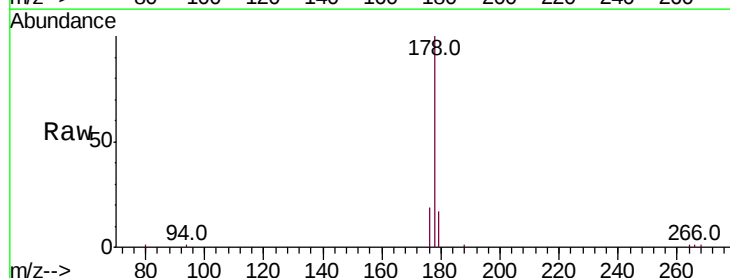
Tgt Ion:178 Resp: 11579

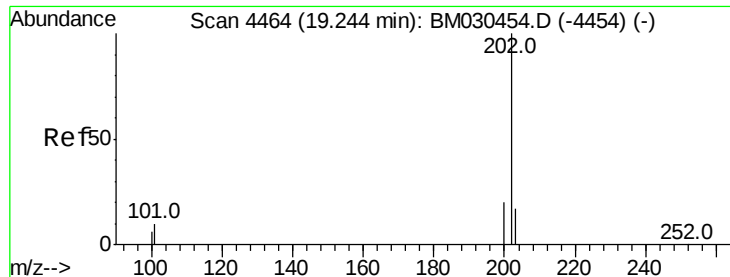
Ion Ratio Lower Upper

178 100

179 16.5 13.1 19.7

176 19.4 15.7 23.5





#19

Fluoranthene

Concen: 0.330 ng/ul

RT: 19.24 min Scan# 4463

Delta R.T. -0.00 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

Instrument :

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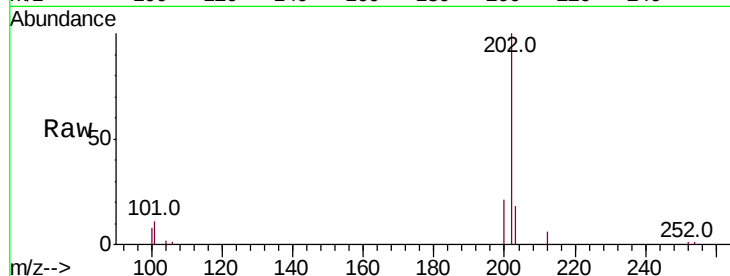
Tot Ion:202 Resp: 15252

Ion Ratio Lower Upper

202 100

101 11.1 9.7 14.5

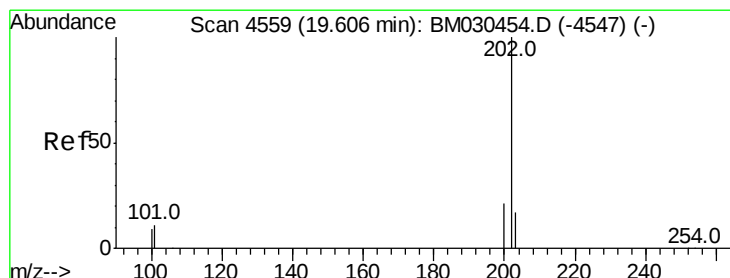
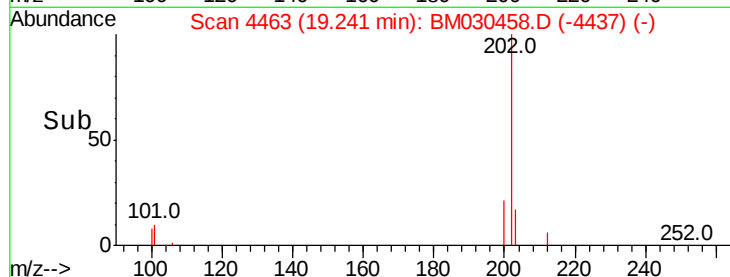
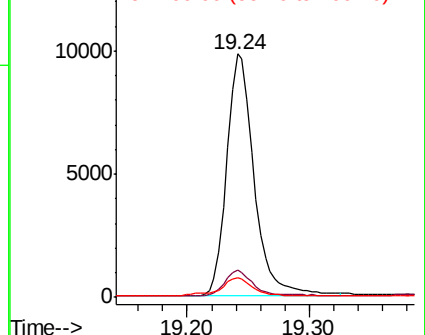
100 8.3 7.4 11.0



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: 0.337 ng/ul

RT: 19.60 min Scan# 4558

Delta R.T. -0.00 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

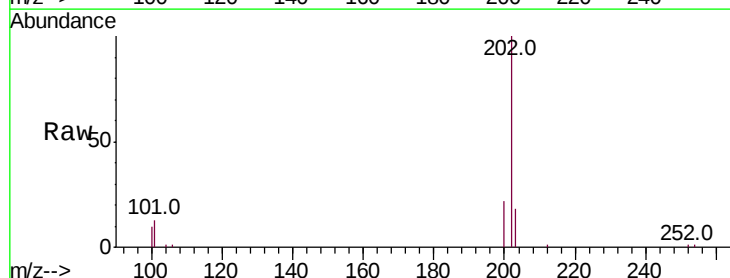
Tgt Ion:202 Resp: 15846

Ion Ratio Lower Upper

202 100

101 12.8 10.6 16.0

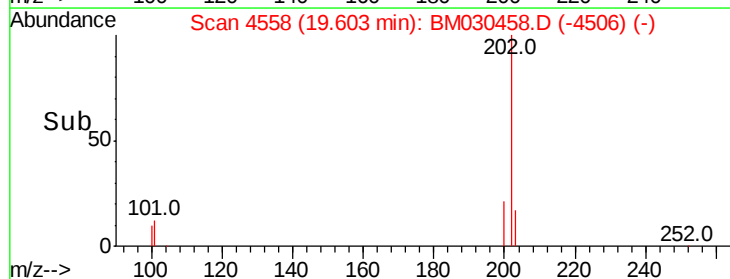
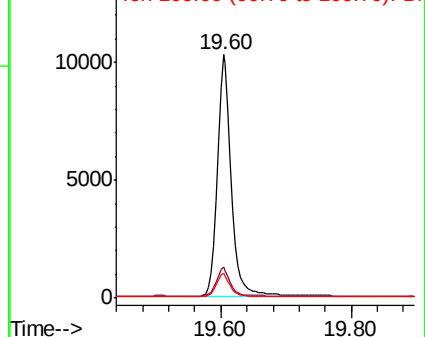
100 10.2 8.9 13.3

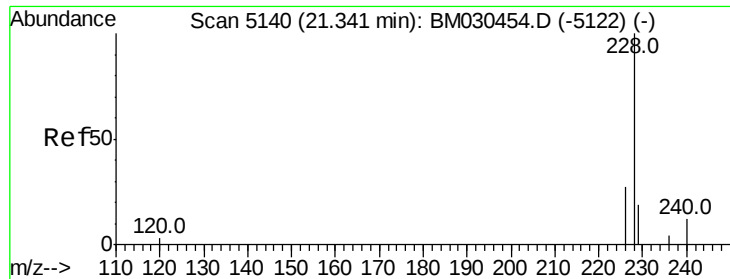


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.324 ng/ul

RT: 21.34 min Scan# 5140

Delta R.T. -0.00 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

Instrument :

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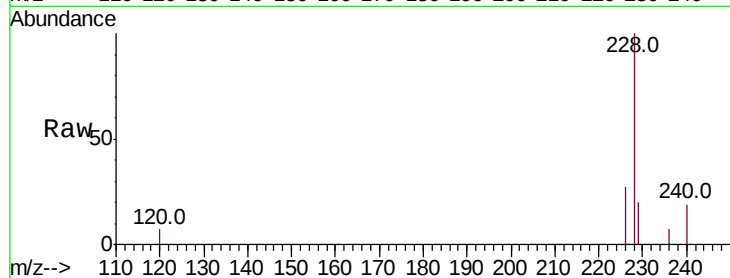
Tot Ion:228 Resp: 11792

Ion Ratio Lower Upper

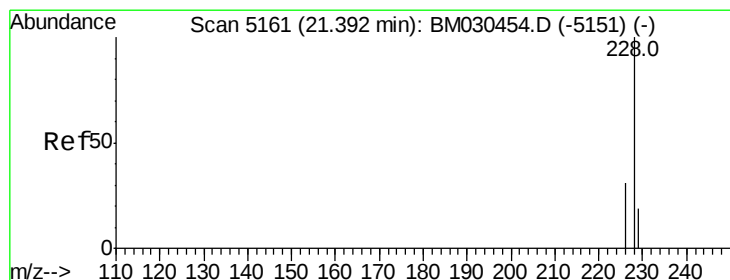
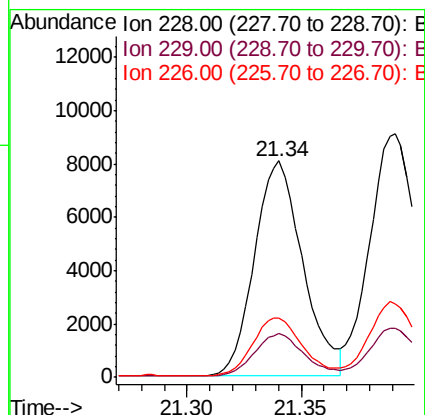
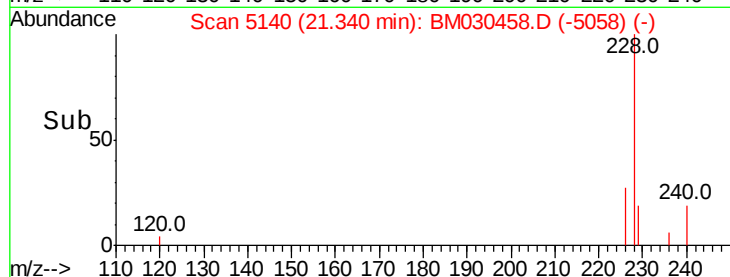
228 100

229 20.2 15.9 23.9

226 27.3 22.3 33.5



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: 0.357 ng/ul

RT: 21.39 min Scan# 5161

Delta R.T. -0.00 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

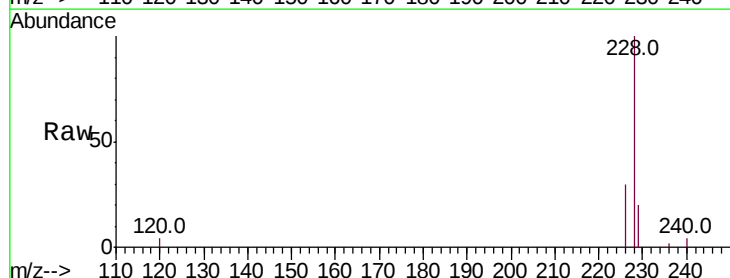
Tgt Ion:228 Resp: 14005

Ion Ratio Lower Upper

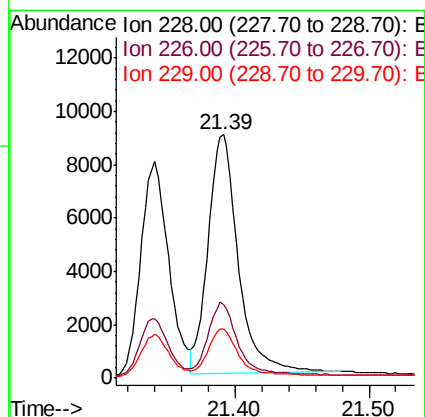
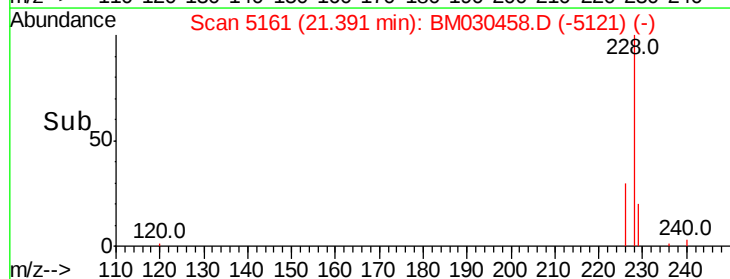
228 100

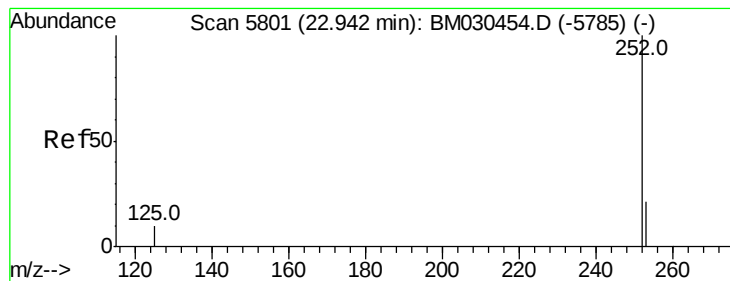
226 30.2 24.7 37.1

229 20.3 15.7 23.5



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: 0.326 ng/ul

RT: 22.94 min Scan# 5800

Delta R.T. -0.01 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

Instrument :

BNA_M

ClientSampleId :

SLCS013

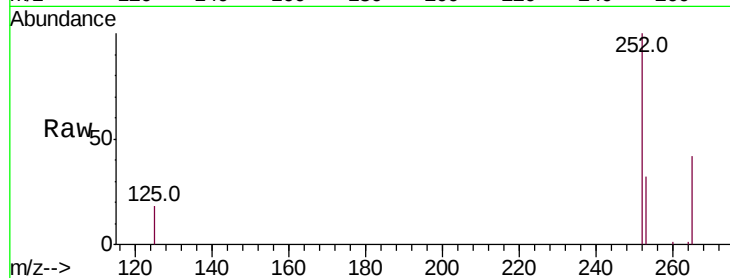
Tot Ion:252 Resp: 13736

Ion Ratio Lower Upper

252 100

253 31.8 0.0 57.4

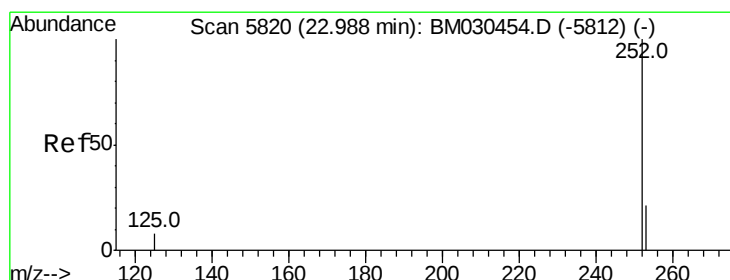
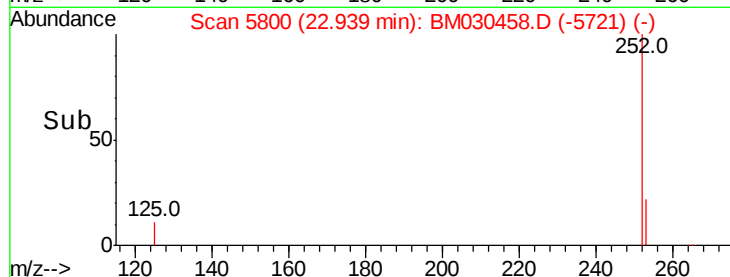
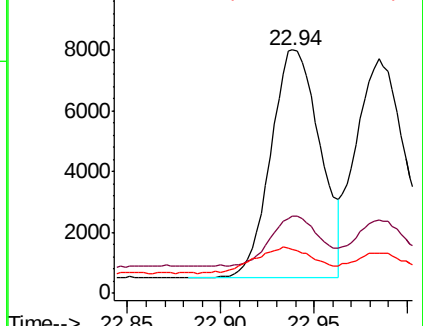
125 18.2 0.0 38.0



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: 0.354 ng/ul

RT: 22.98 min Scan# 5819

Delta R.T. -0.01 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

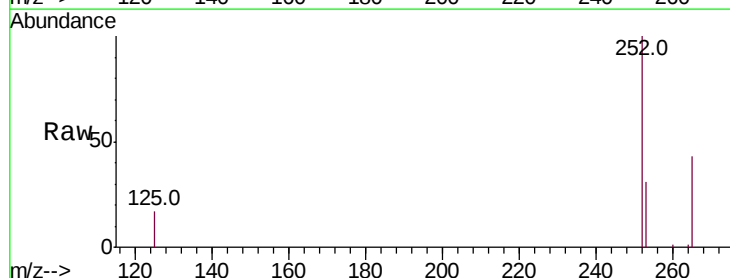
Tgt Ion:252 Resp: 14114

Ion Ratio Lower Upper

252 100

253 31.1 23.0 34.6

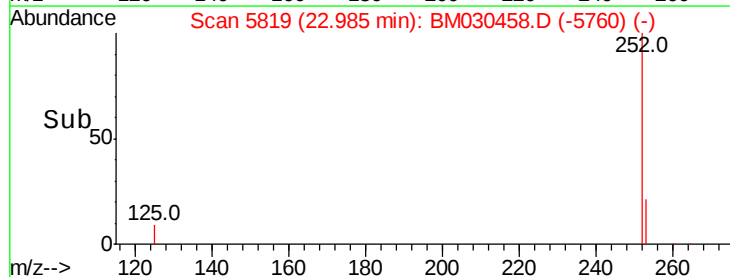
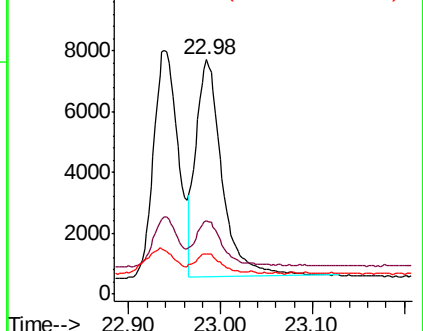
125 17.1 14.8 22.2

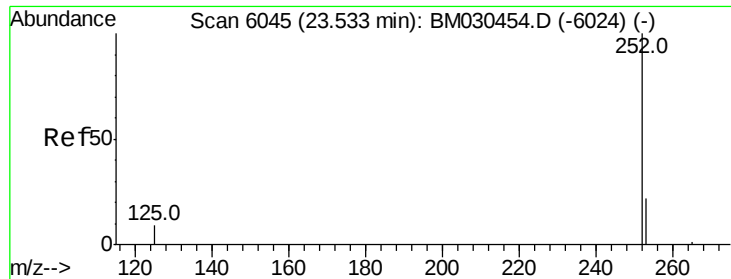


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.352 ng/ul

RT: 23.53 min Scan# 6043

Delta R.T. -0.01 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

Instrument :

BNA_M

ClientSampleId :

SLCS013

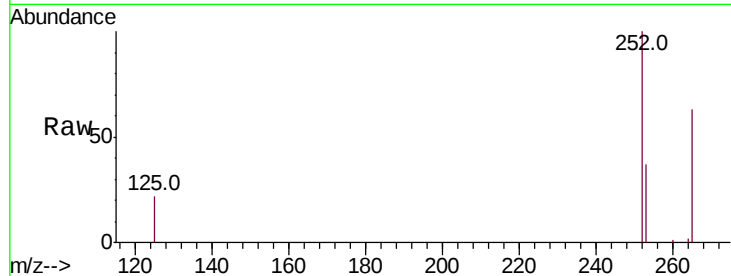
Tot Ion:252 Resp: 11962

Ion Ratio Lower Upper

252 100

253 36.9 25.3 37.9

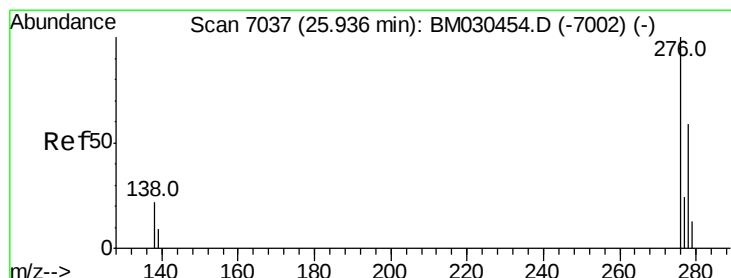
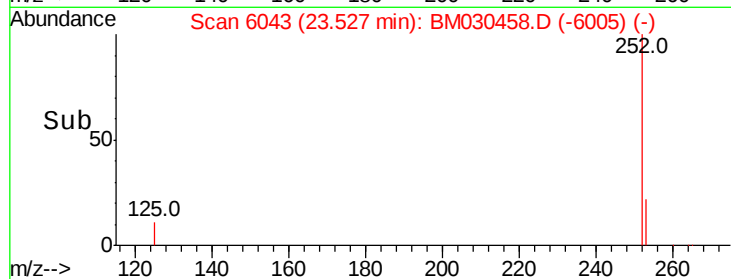
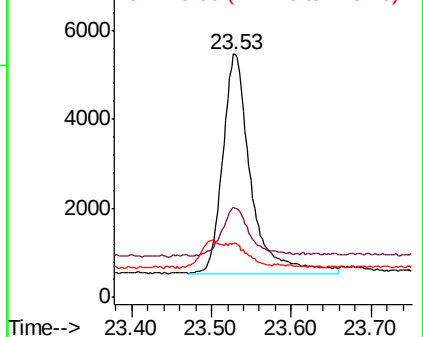
125 22.3 17.6 26.4



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.342 ng/ul

RT: 25.93 min Scan# 7034

Delta R.T. -0.01 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

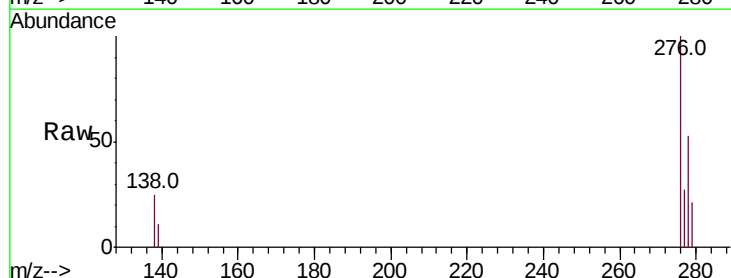
Tgt Ion:276 Resp: 15413

Ion Ratio Lower Upper

276 100

138 23.2 22.3 33.5

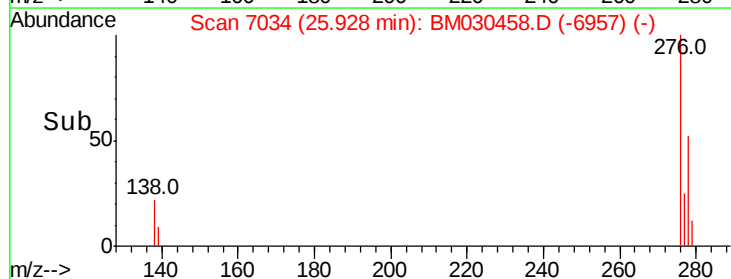
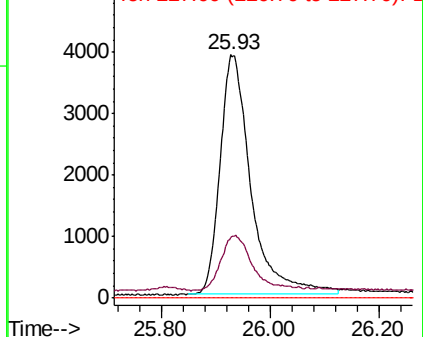
227 0.0 0.0 0.0

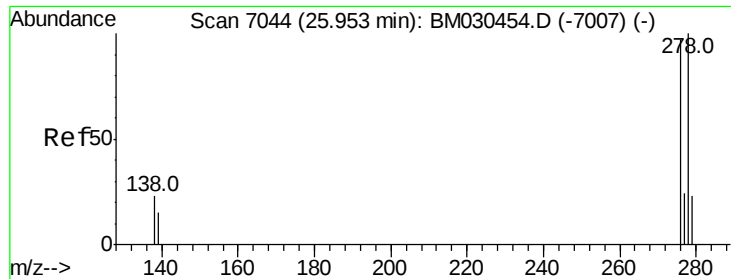


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.334 ng/ul

RT: 25.95 min Scan# 7043

Delta R.T. -0.01 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

Instrument :

BNA_M

ClientSampleId :

SLCS013

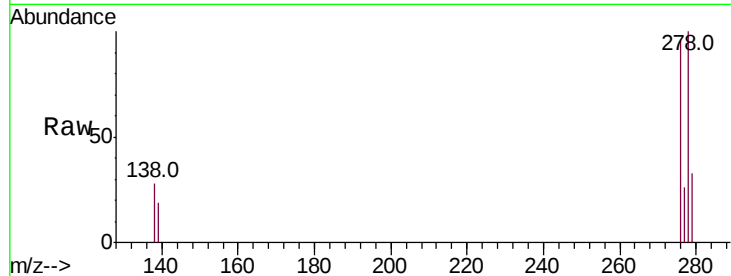
Tot Ion:278 Resp: 12162

Ion Ratio Lower Upper

278 100

139 19.2 15.8 23.8

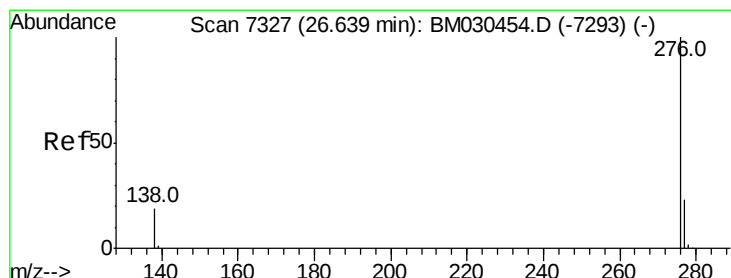
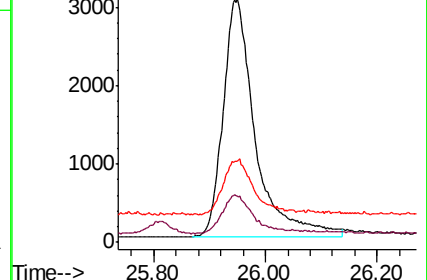
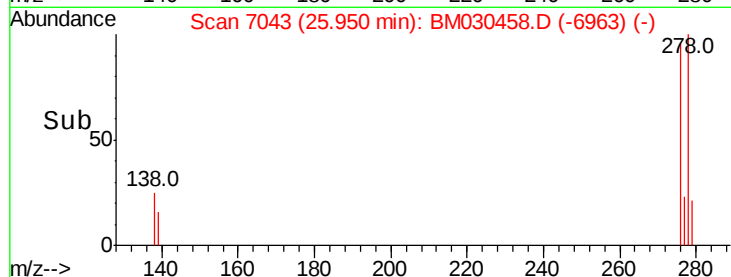
279 33.1 23.2 34.8



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: 0.358 ng/ul

RT: 26.64 min Scan# 7326

Delta R.T. -0.01 min

Lab File: BM030458.D

Acq: 15 Jun 2021 22:45

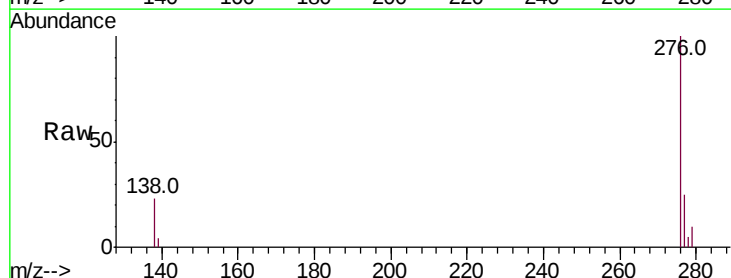
Tgt Ion:276 Resp: 14063

Ion Ratio Lower Upper

276 100

138 23.0 21.5 32.3

277 25.1 19.5 29.3



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

