

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061521\
 Data File : BM030459.D
 Acq On : 15 Jun 2021 23:22
 Operator : CG/JU
 Sample : PB137066BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS066

Quant Time: Jun 16 01:49:12 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

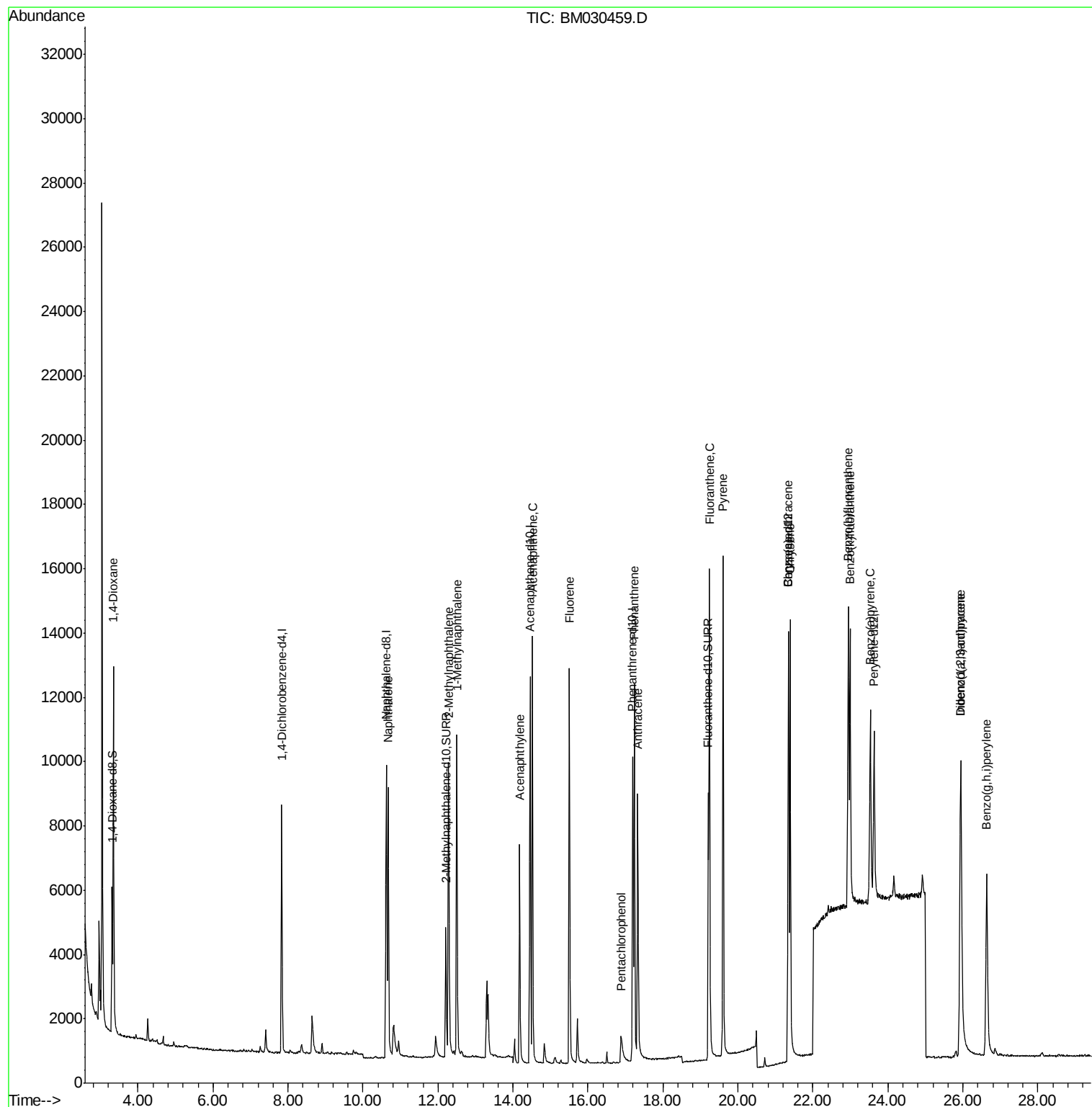
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	4170	0.40	ng/ul	0.00
4) Naphthalene-d8	10.62	136	14120	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.45	164	7313	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.19	188	12747	0.40	ng/ul	0.00
17) Chrysene-d12	21.35	240	8484	0.40	ng/ul	0.00
23) Perylene-d12	23.63	264	7985	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.31	96	2813	0.69	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.21	152	6655	0.33	ng/ul	0.00
18) Fluoranthene-d10	19.21	212	10541	0.37	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.34	88	7269	1.647	ng/ul#	84
5) Naphthalene	10.67	128	12856	0.308	ng/ul	99
7) 2-Methylnaphthalene	12.28	142	8174	0.290	ng/ul	99
8) 1-Methylnaphthalene	12.50	142	7843	0.290	ng/ul	100
10) Acenaphthylene	14.18	152	8972	0.258	ng/ul	98
11) Acenaphthene	14.52	153	8423	0.284	ng/ul	99
12) Fluorene	15.50	166	9040	0.268	ng/ul	99
14) Pentachlorophenol	16.88	266	1711	0.431	ng/ul	99
15) Phenanthrene	17.23	178	13514	0.293	ng/ul	98
16) Anthracene	17.33	178	10992	0.279	ng/ul	99
19) Fluoranthene	19.24	202	14419	0.334	ng/ul	98
20) Pyrene	19.60	202	15010	0.342	ng/ul	99
21) Benzo(a)anthracene	21.34	228	10995	0.323	ng/ul	99
22) Chrysene	21.39	228	13285	0.363	ng/ul	99
24) Benzo(b)fluoranthene	22.94	252	12969	0.327	ng/ul	95
25) Benzo(k)fluoranthene	22.99	252	13550	0.360	ng/ul	95
26) Benzo(a)pyrene	23.53	252	11392	0.355	ng/ul	92
27) Indeno(1,2,3-cd)pyrene	25.94	276	14728	0.347	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.95	278	11631	0.338	ng/ul	94
29) Benzo(g,h,i)perylene	26.63	276	13553	0.366	ng/ul	96

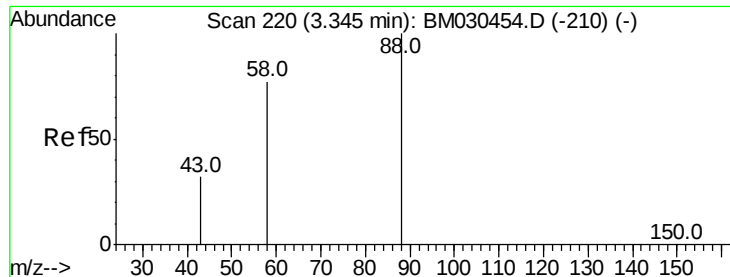
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.647 ng/ul

RT: 3.34 min Scan# 219

Delta R.T. -0.01 min

Lab File: BM030459.D

Acq: 15 Jun 2021 23:22

Instrument :

BNA_M

ClientSampleId :

SLCS066

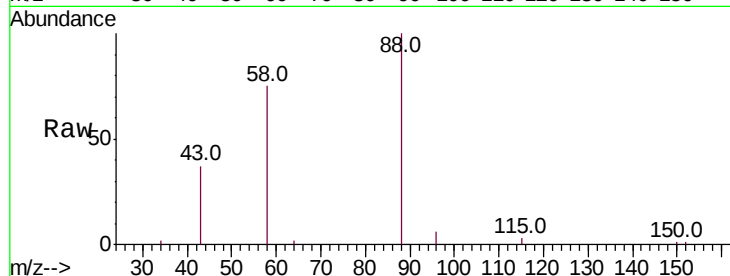
Tot Ion: 88 Resp: 7269

Ion Ratio Lower Upper

88 100

43 37.0 38.2 57.4#

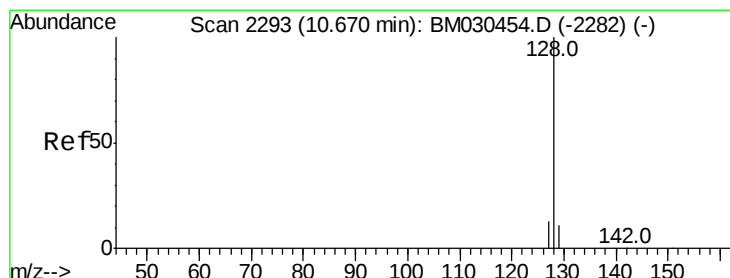
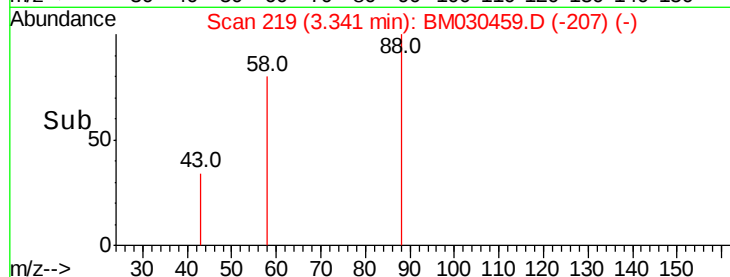
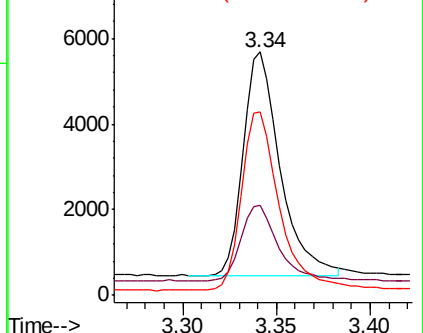
58 75.3 49.8 74.8#



Abundance Ion 88.00 (87.70 to 88.70): BM030459.D (-219) (-)

Ion 43.00 (42.70 to 43.70): BM030459.D (-219) (-)

Ion 58.00 (57.70 to 58.70): BM030459.D (-219) (-)



#5

Naphthalene

Concen: 0.308 ng/ul

RT: 10.67 min Scan# 2293

Delta R.T. -0.00 min

Lab File: BM030459.D

Acq: 15 Jun 2021 23:22

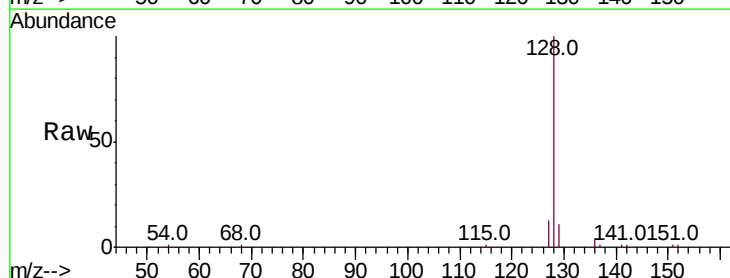
Tgt Ion: 128 Resp: 12856

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.4

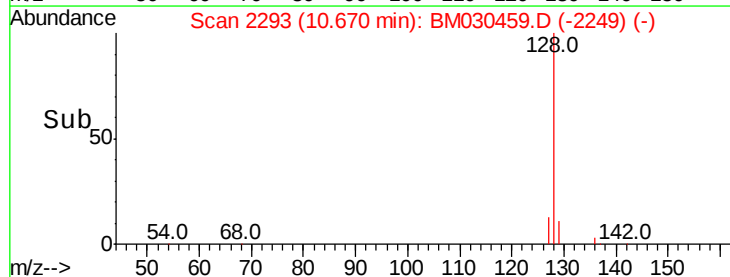
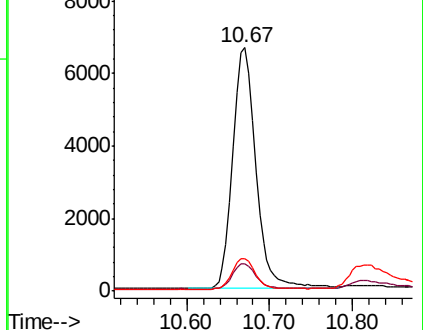
127 13.4 10.5 15.7

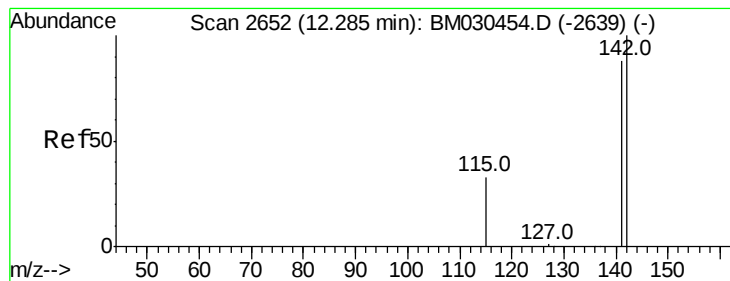


Abundance Ion 128.00 (127.70 to 128.70): BM030459.D (-2249) (-)

Ion 129.00 (128.70 to 129.70): BM030459.D (-2249) (-)

Ion 127.00 (126.70 to 127.70): BM030459.D (-2249) (-)





#7

2-Methylnaphthalene

Concen: 0.290 ng/ul

RT: 12.28 min Scan# 2651

Delta R.T. -0.00 min

Lab File: BM030459.D

Acq: 15 Jun 2021 23:22

Instrument :

BNA_M

ClientSampleId :

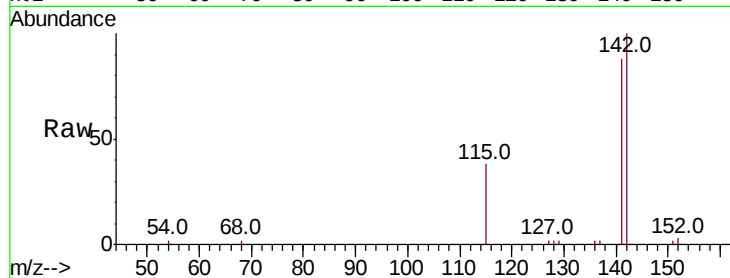
SLCS066

Tot Ion:142 Resp: 8174

Ion Ratio Lower Upper

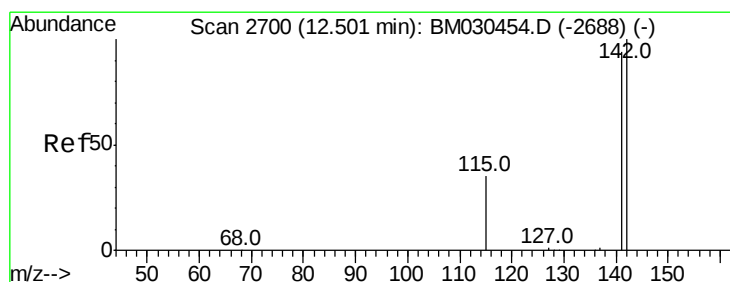
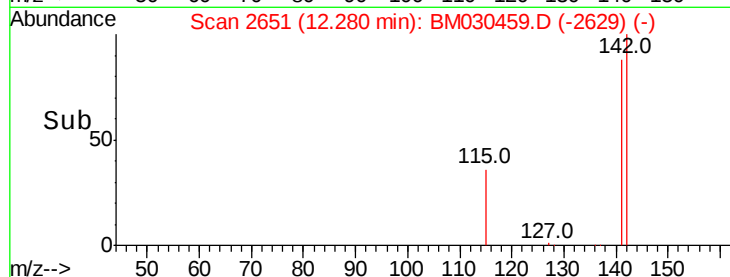
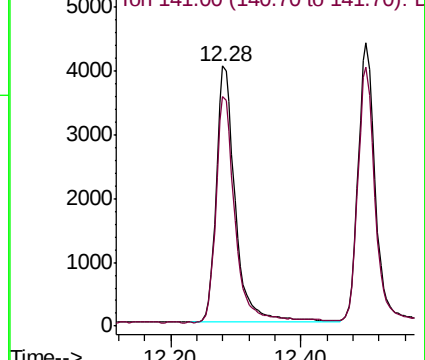
142 100

141 90.2 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: BM030459.D

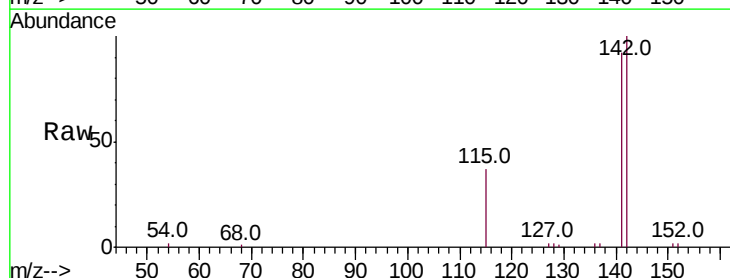
Acq: 15 Jun 2021 23:22

Tgt Ion:142 Resp: 7843

Ion Ratio Lower Upper

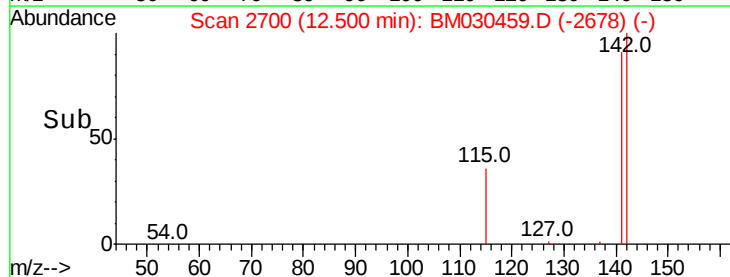
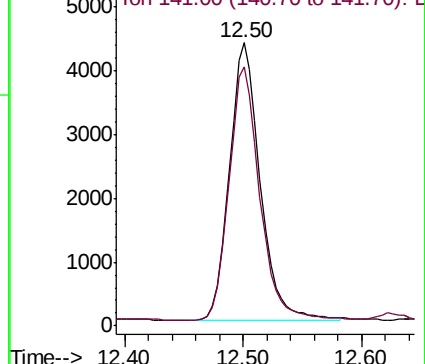
142 100

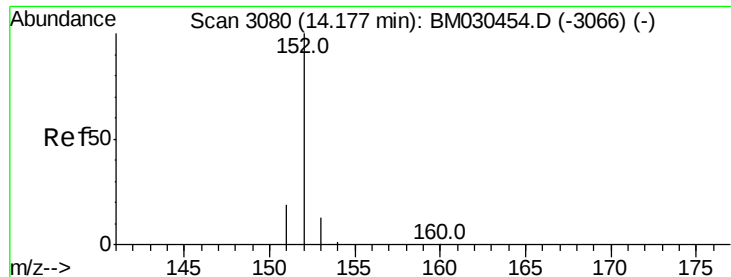
141 91.9 73.3 109.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.258 ng/ul

RT: 14.18 min Scan# 3080

Delta R.T. -0.00 min

Lab File: BM030459.D

Acq: 15 Jun 2021 23:22

Instrument :

BNA_M

ClientSampleId :

SLCS066

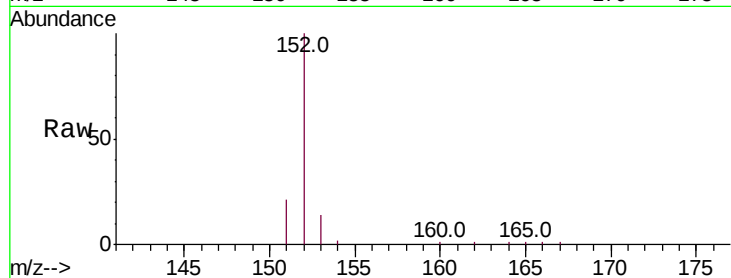
Tot Ion:152 Resp: 8972

Ion Ratio Lower Upper

152 100

151 21.3 16.2 24.2

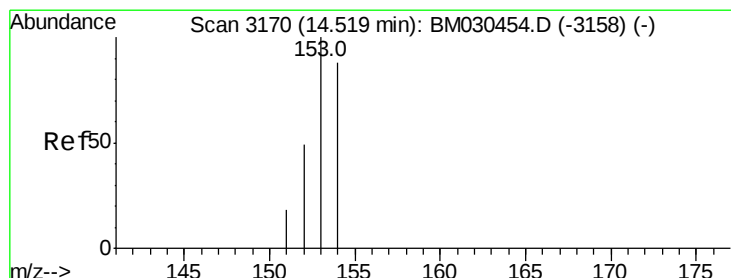
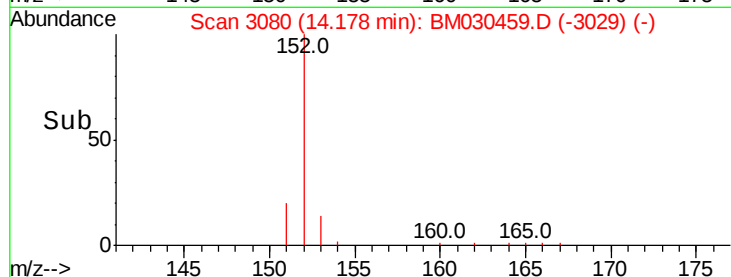
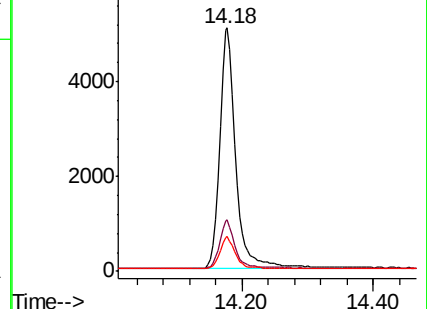
153 14.2 10.9 16.3



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: BM030459.D

Acq: 15 Jun 2021 23:22

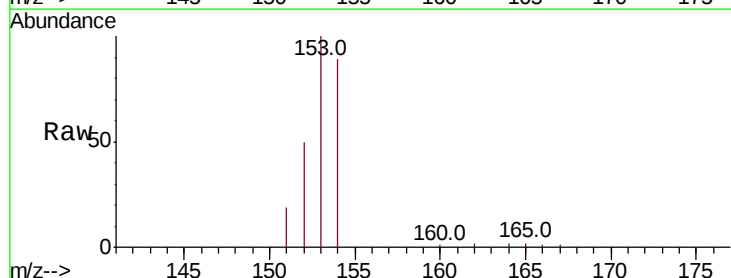
Tgt Ion:153 Resp: 8423

Ion Ratio Lower Upper

153 100

152 50.3 39.8 59.8

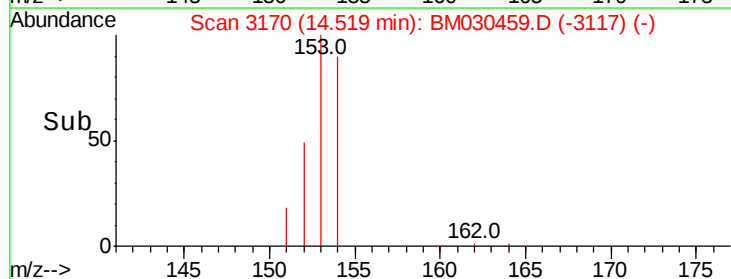
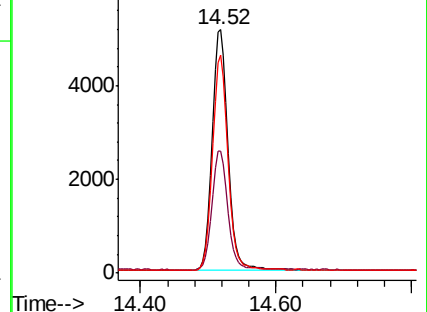
154 89.5 70.9 106.3

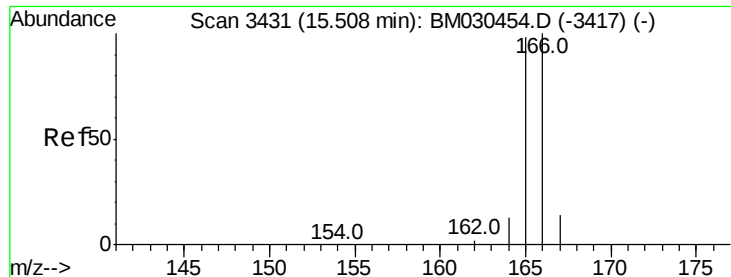


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.268 ng/ul

RT: 15.50 min Scan# 3430

Delta R.T. -0.00 min

Lab File: BM030459.D

Acq: 15 Jun 2021 23:22

Instrument :

BNA_M

ClientSampleId :

SLCS066

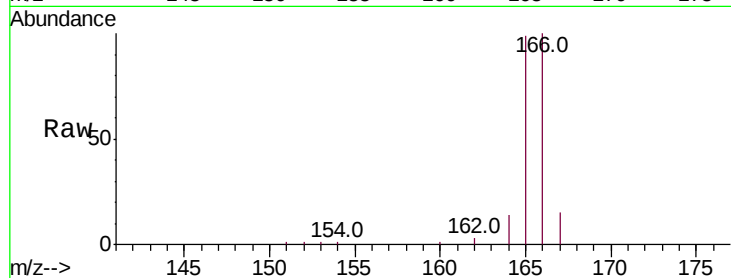
Tot Ion:166 Resp: 9040

Ion Ratio Lower Upper

166 100

165 98.7 78.2 117.2

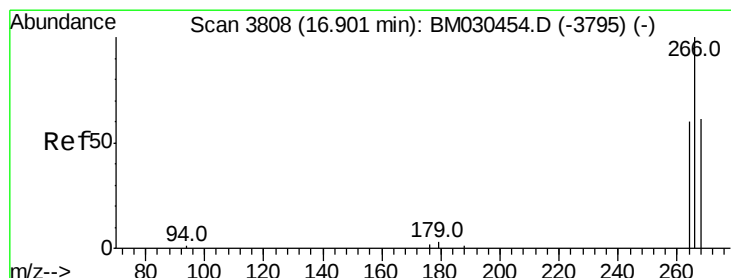
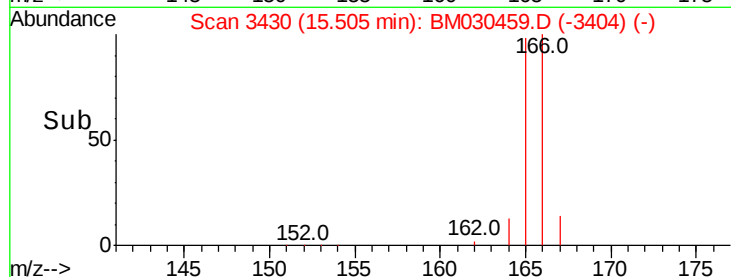
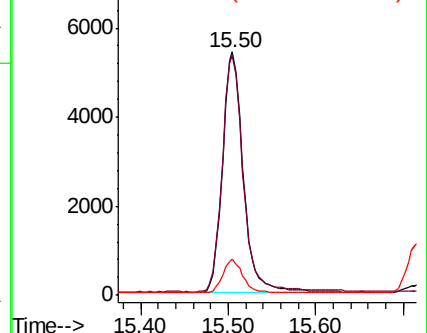
167 14.7 10.9 16.3



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: 0.431 ng/ul

RT: 16.88 min Scan# 3803

Delta R.T. 0.01 min

Lab File: BM030459.D

Acq: 15 Jun 2021 23:22

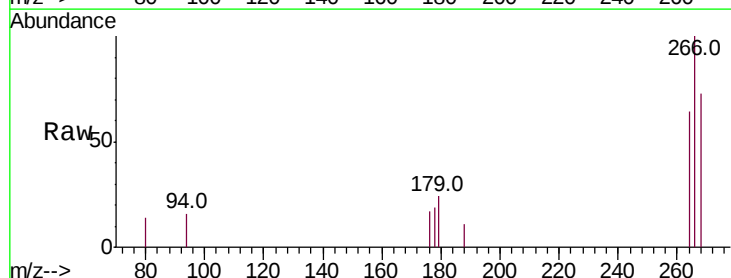
Tgt Ion:266 Resp: 1711

Ion Ratio Lower Upper

266 100

264 61.8 50.6 75.8

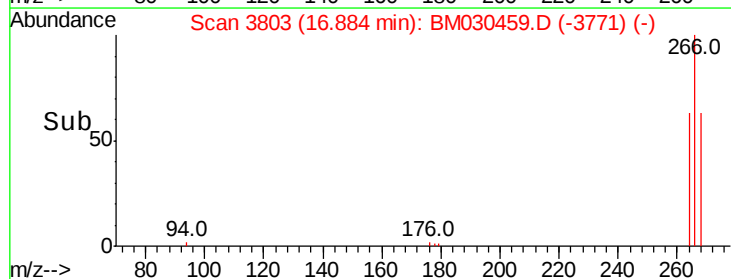
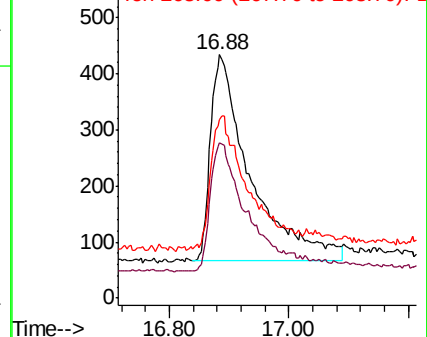
268 62.4 50.0 75.0

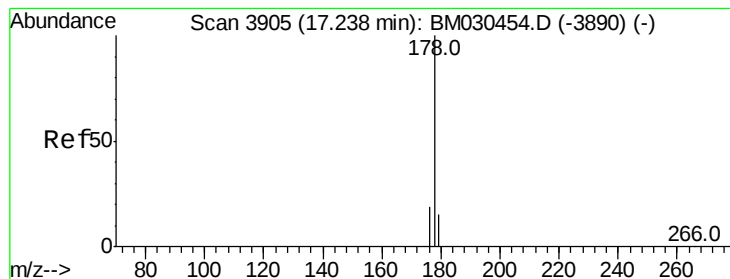


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.293 ng/ul

RT: 17.23 min Scan# 3904

Delta R.T. -0.00 min

Lab File: BM030459.D

Acq: 15 Jun 2021 23:22

Instrument :

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ClientSampleId :

SLCS066

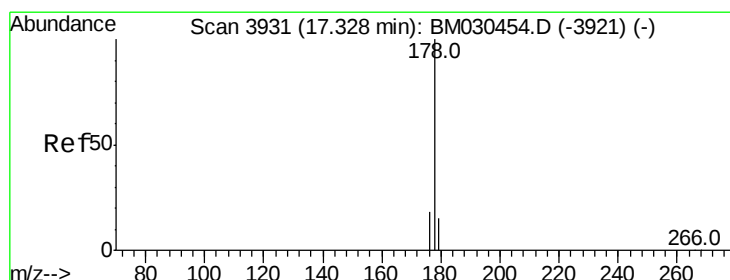
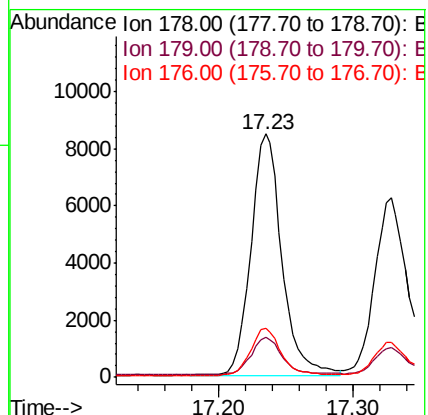
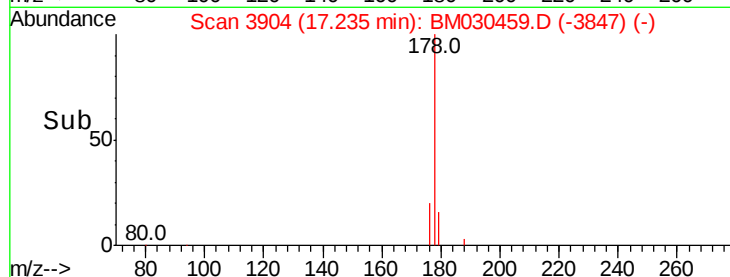
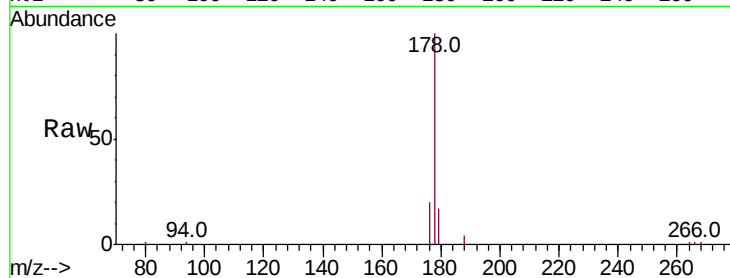
Tot Ion:178 Resp: 13514

Ion Ratio Lower Upper

178 100

179 16.7 12.5 18.7

176 20.3 15.6 23.4



#16

Anthracene

Concen: 0.279 ng/ul

RT: 17.33 min Scan# 3931

Delta R.T. 0.00 min

Lab File: BM030459.D

Acq: 15 Jun 2021 23:22

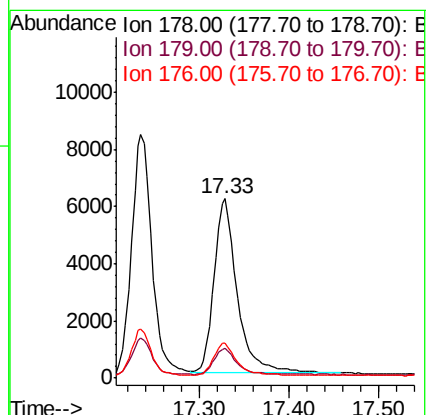
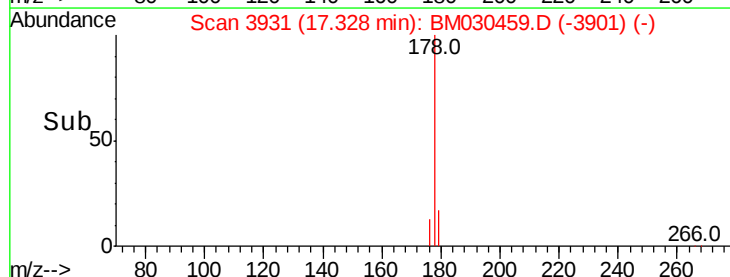
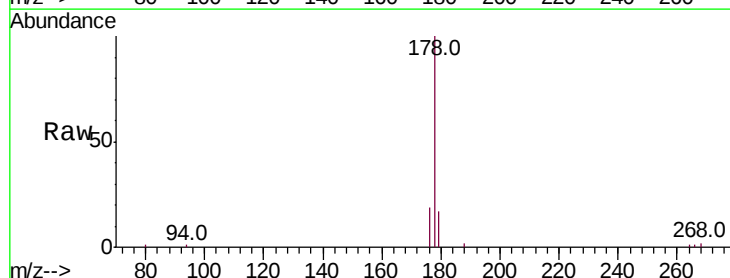
Tgt Ion:178 Resp: 10992

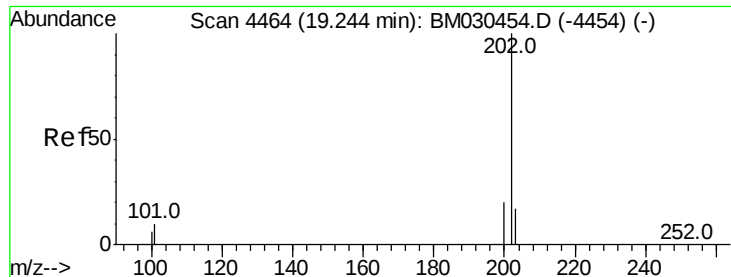
Ion Ratio Lower Upper

178 100

179 16.8 13.1 19.7

176 19.3 15.7 23.5





#19

Fluoranthene

Concen: 0.334 ng/ul

RT: 19.24 min Scan# 4463

Delta R.T. -0.00 min

Lab File: BM030459.D

Acq: 15 Jun 2021 23:22

Instrument :

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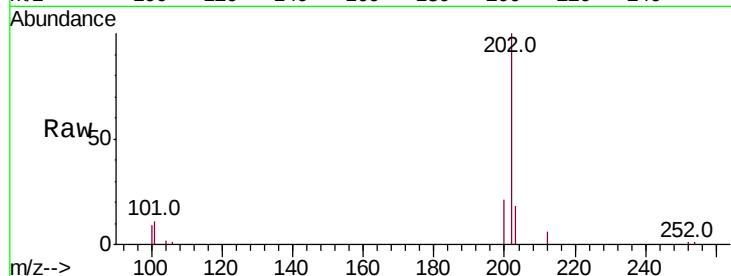
Tot Ion:202 Resp: 14419

Ion Ratio Lower Upper

202 100

101 11.1 9.7 14.5

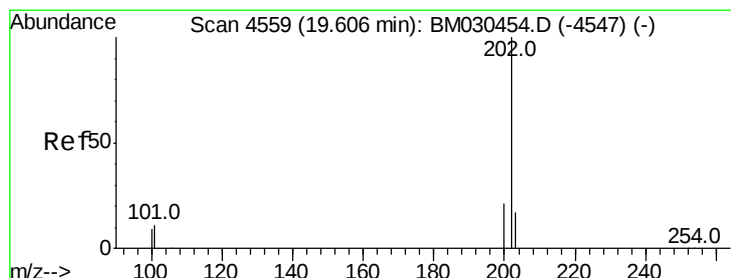
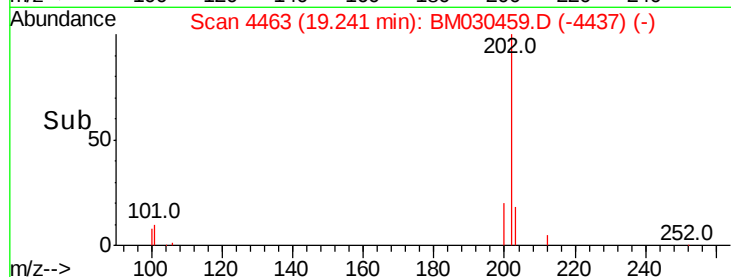
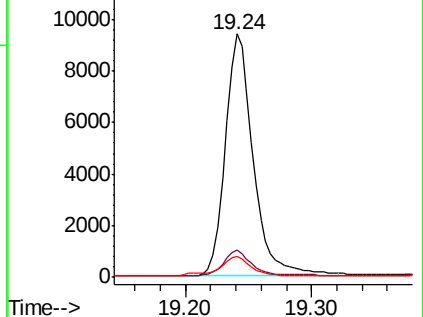
100 8.6 7.4 11.0



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: 0.342 ng/ul

RT: 19.60 min Scan# 4558

Delta R.T. -0.00 min

Lab File: BM030459.D

Acq: 15 Jun 2021 23:22

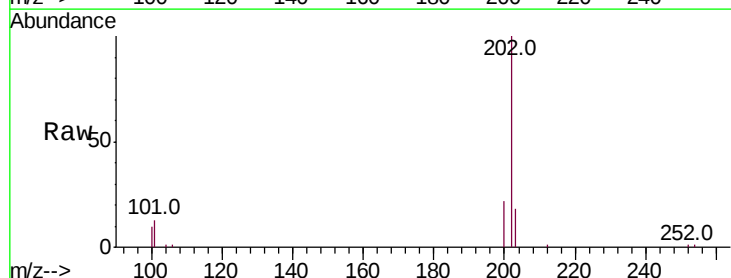
Tgt Ion:202 Resp: 15010

Ion Ratio Lower Upper

202 100

101 12.9 10.6 16.0

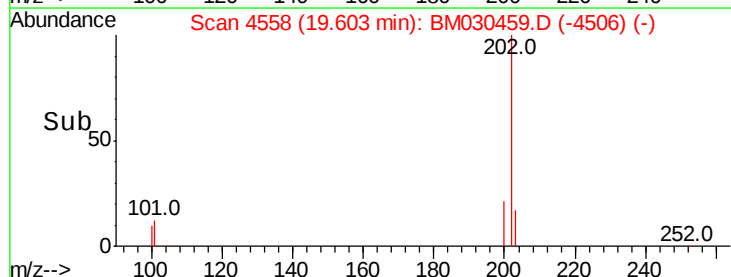
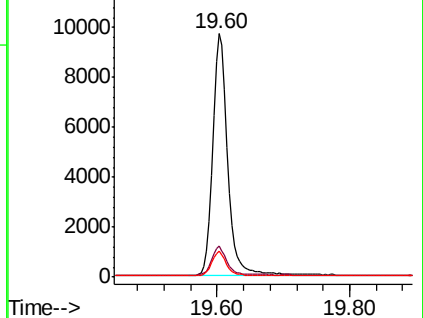
100 10.4 8.9 13.3

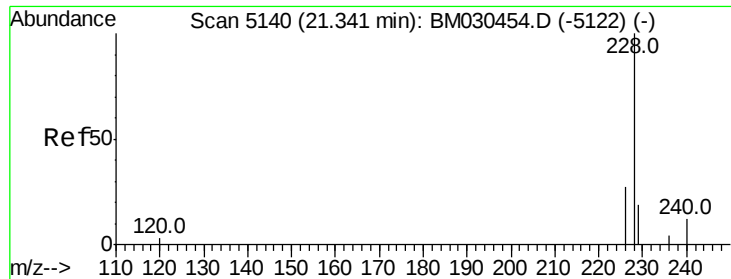


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

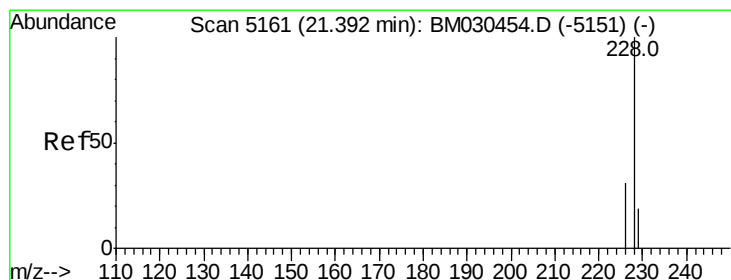
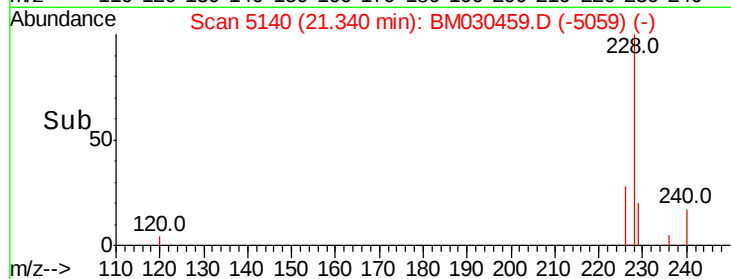
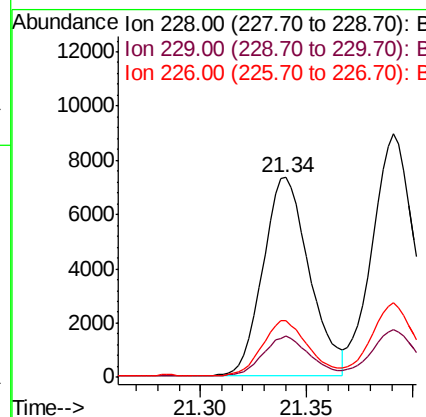
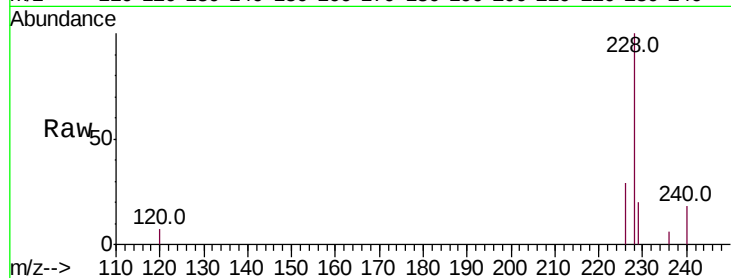




#21
Benzo(a)anthracene
Concen: 0.323 ng/ul
RT: 21.34 min Scan# 5140
Delta R.T. -0.00 min
Lab File: BM030459.D
Acq: 15 Jun 2021 23:22

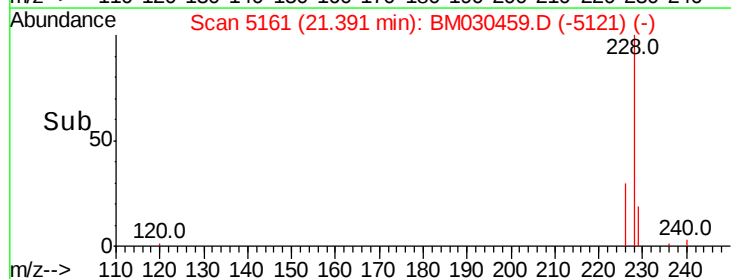
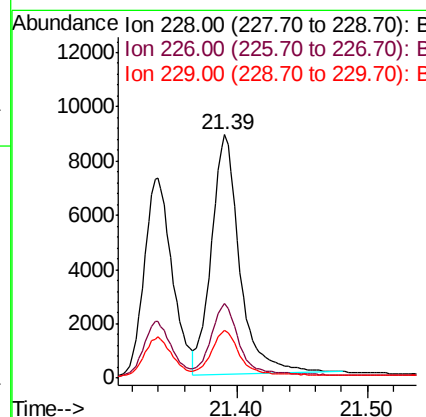
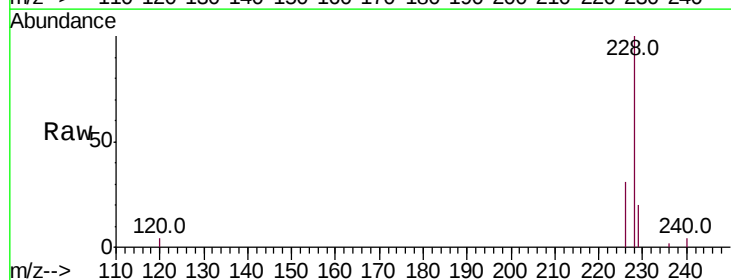
Instrument :
BNA_M
ClientSampleId :
SLCS066

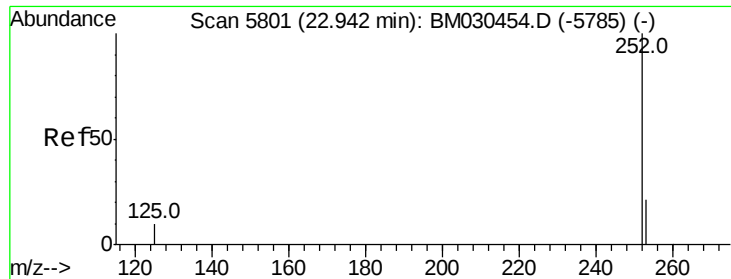
Tot Ion:228 Resp: 10995
Ion Ratio Lower Upper
228 100
229 20.5 15.9 23.9
226 28.6 22.3 33.5



#22
Chrysene
Concen: 0.363 ng/ul
RT: 21.39 min Scan# 5161
Delta R.T. -0.00 min
Lab File: BM030459.D
Acq: 15 Jun 2021 23:22

Tgt Ion:228 Resp: 13285
Ion Ratio Lower Upper
228 100
226 30.7 24.7 37.1
229 19.9 15.7 23.5





#24

Benzo(b)fluoranthene

Concen: 0.327 ng/ul

RT: 22.94 min Scan# 5801

Delta R.T. -0.01 min

Lab File: BM030459.D

Acq: 15 Jun 2021 23:22

Instrument :

BNA_M

ClientSampleId :

SLCS066

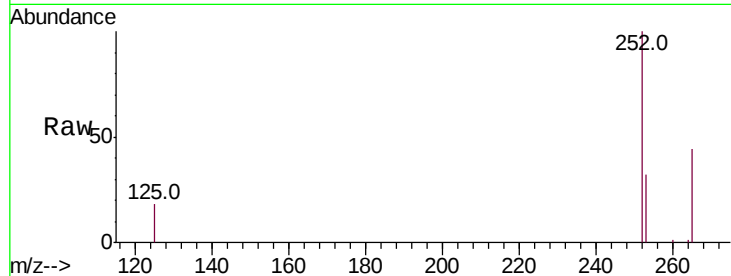
Tot Ion:252 Resp: 12969

Ion Ratio Lower Upper

252 100

253 32.0 0.0 57.4

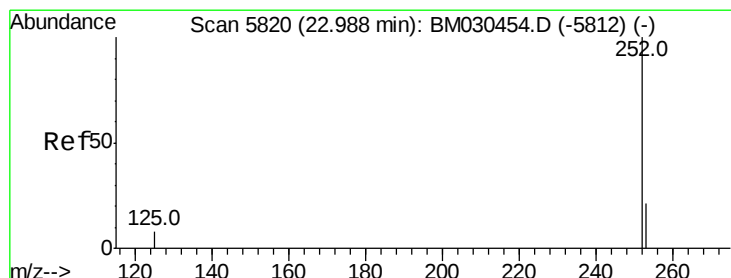
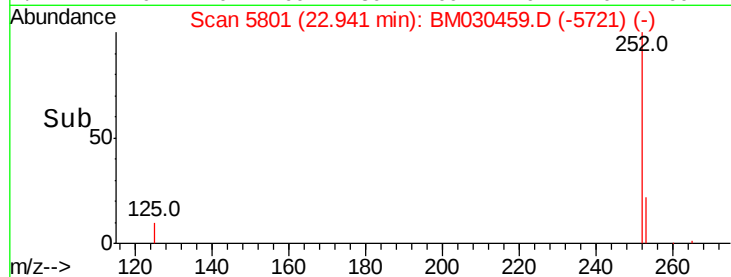
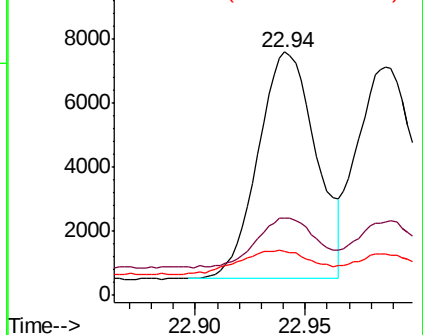
125 17.9 0.0 38.0



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: 0.360 ng/ul

RT: 22.99 min Scan# 5820

Delta R.T. -0.01 min

Lab File: BM030459.D

Acq: 15 Jun 2021 23:22

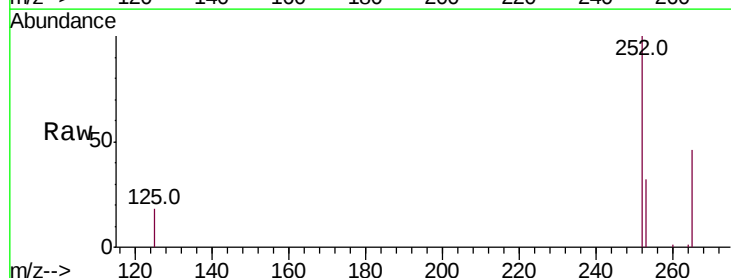
Tgt Ion:252 Resp: 13550

Ion Ratio Lower Upper

252 100

253 32.4 23.0 34.6

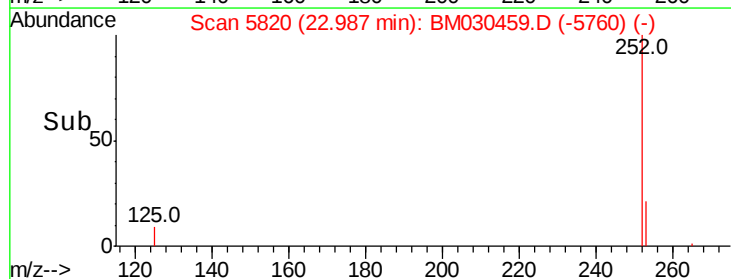
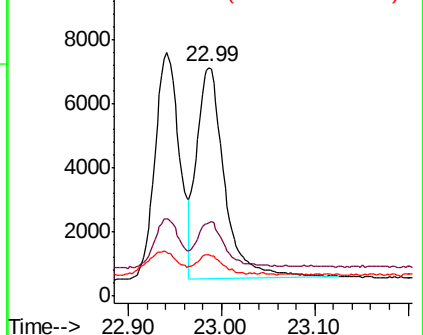
125 17.9 14.8 22.2

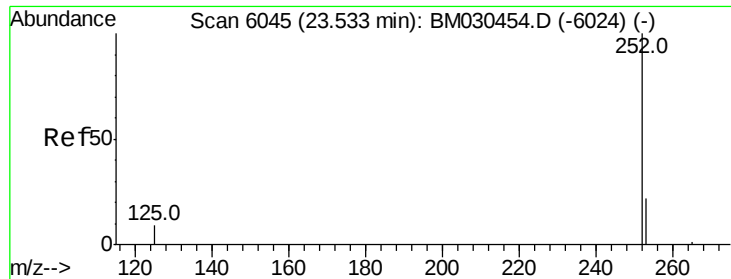


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.355 ng/u1

RT: 23.53 min Scan# 6044

Delta R.T. -0.01 min

Lab File: BM030459.D

Acq: 15 Jun 2021 23:22

Instrument :

BNA_M

ClientSampleId :

SLCS066

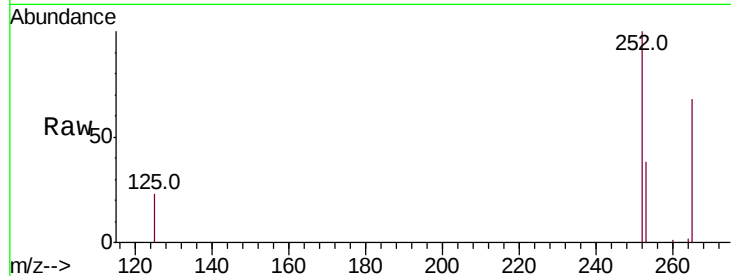
Tot Ion:252 Resp: 11392

Ion Ratio Lower Upper

252 100

253 37.9 25.3 37.9

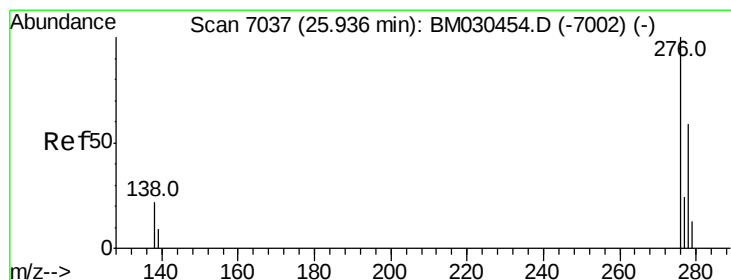
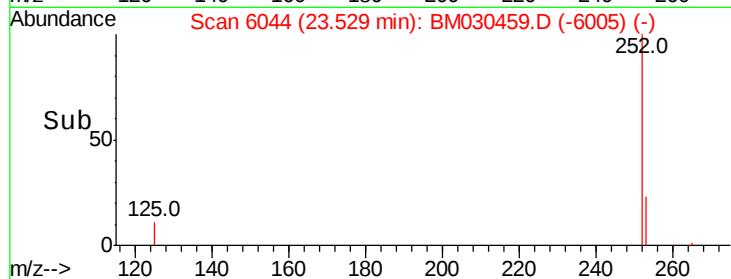
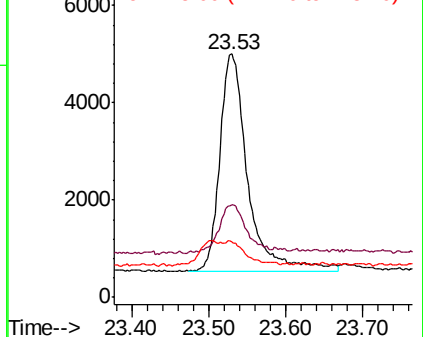
125 23.0 17.6 26.4



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: 0.347 ng/u1

RT: 25.94 min Scan# 7037

Delta R.T. -0.01 min

Lab File: BM030459.D

Acq: 15 Jun 2021 23:22

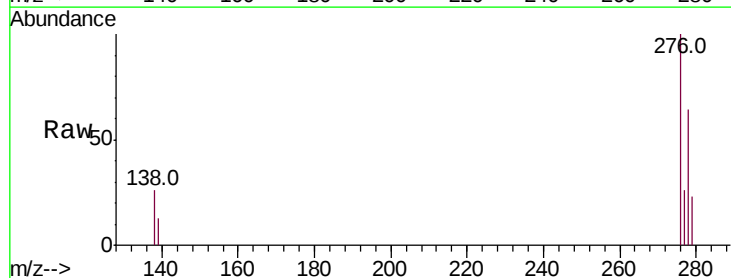
Tgt Ion:276 Resp: 14728

Ion Ratio Lower Upper

276 100

138 23.1 22.3 33.5

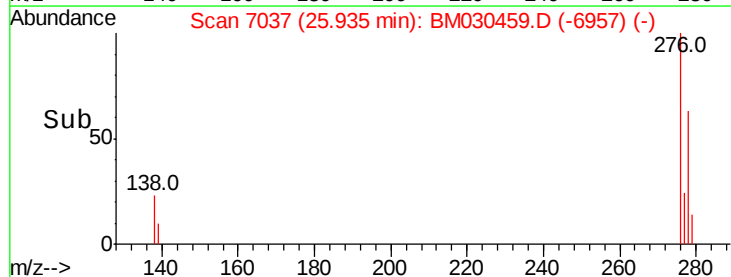
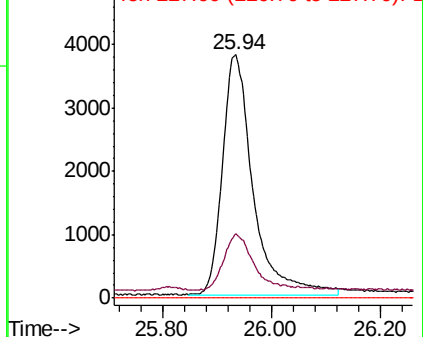
227 0.0 0.0 0.0

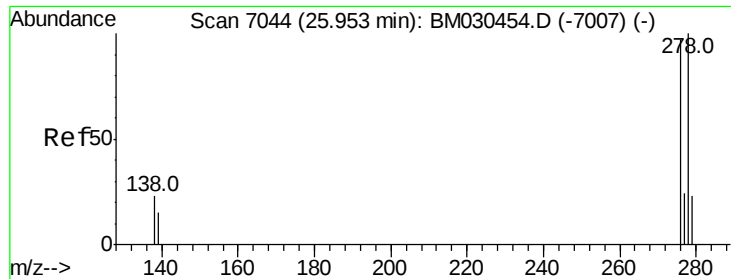


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.338 ng/ul

RT: 25.95 min Scan# 7042

Delta R.T. -0.01 min

Lab File: BM030459.D

Acq: 15 Jun 2021 23:22

Instrument :

BNA_M

ClientSampleId :

SLCS066

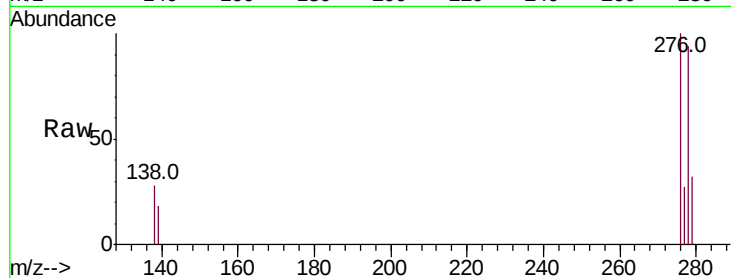
Tot Ion:278 Resp: 11631

Ion Ratio Lower Upper

278 100

139 19.2 15.8 23.8

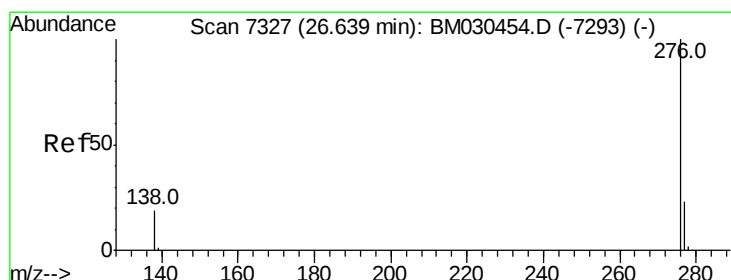
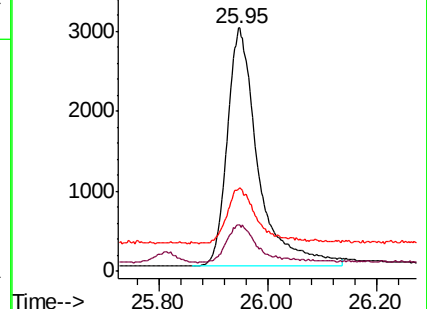
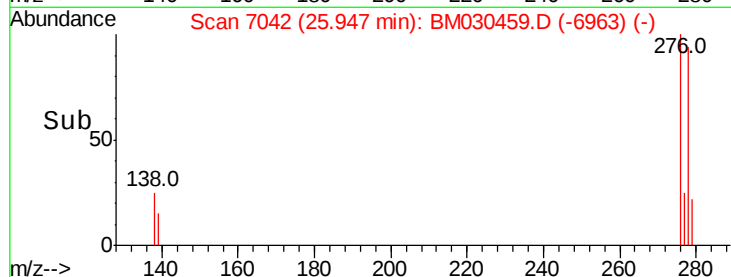
279 33.9 23.2 34.8



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: 0.366 ng/ul

RT: 26.63 min Scan# 7325

Delta R.T. -0.02 min

Lab File: BM030459.D

Acq: 15 Jun 2021 23:22

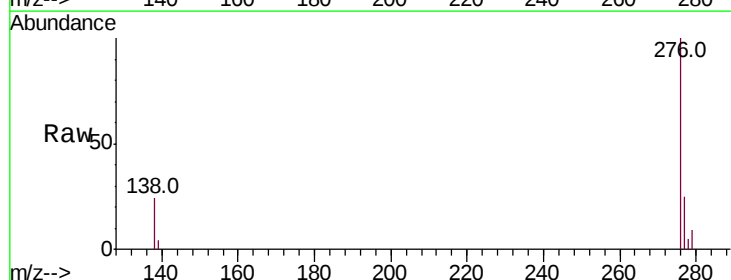
Tgt Ion:276 Resp: 13553

Ion Ratio Lower Upper

276 100

138 23.5 21.5 32.3

277 25.4 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

