

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061521\
 Data File : BM030452.D
 Acq On : 15 Jun 2021 18:02
 Operator : CG/JU
 Sample : M2558-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X3554

Quant Time: Jun 15 18:33:16 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 11:43:56 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	4055	0.40	ng/ul	0.00
4) Naphthalene-d8	10.62	136	13880	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.45	164	7559	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.19	188	13901	0.40	ng/ul	0.00
17) Chrysene-d12	21.36	240	9905	0.40	ng/ul	0.00
23) Perylene-d12	23.64	264	9322	0.40	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.31	96	1858	0.47	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.20	152	5665	0.28	ng/ul	0.00
18) Fluoranthene-d10	19.21	212	12032	0.36	ng/ul	0.00

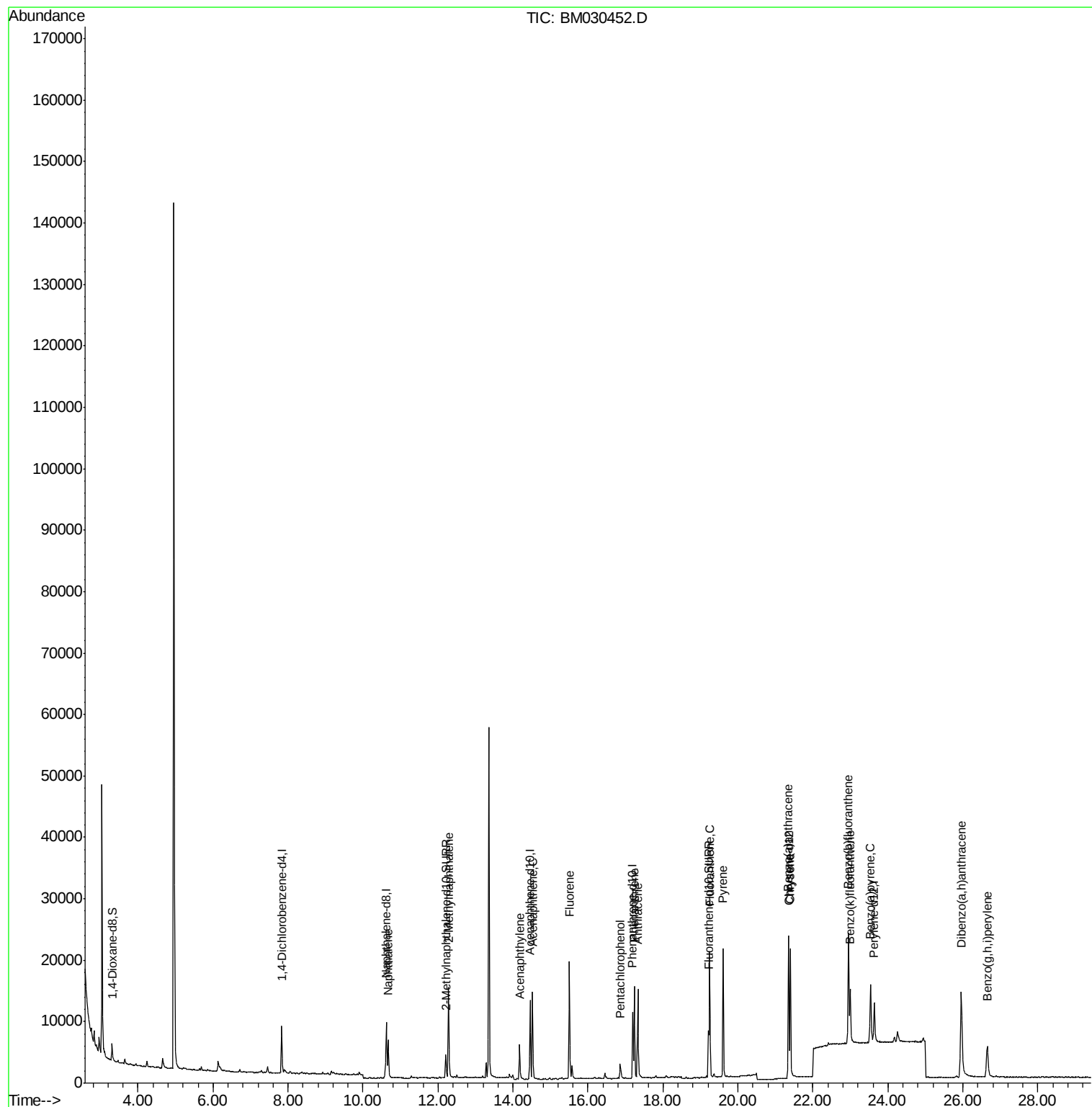
Target Compounds				Ovalue		
5) Naphthalene	10.67	128	9252	0.225	ng/ul	98
7) 2-Methylnaphthalene	12.28	142	12254	0.442	ng/ul	99
10) Acenaphthylene	14.18	152	7516	0.209	ng/ul	98
11) Acenaphthene	14.52	153	8603	0.281	ng/ul	99
12) Fluorene	15.51	166	13545	0.389	ng/ul	99
14) Pentachlorophenol	16.86	266	2531	0.584	ng/ul	99
15) Phenanthrene	17.23	178	16548	0.329	ng/ul	99
16) Anthracene	17.33	178	17899	0.417	ng/ul	99
19) Fluoranthene	19.24	202	18682	0.370	ng/ul	97
20) Pyrene	19.61	202	18924	0.369	ng/ul	95
21) Benzo(a)anthracene	21.34	228	19130	0.481	ng/ul	100
22) Chrysene	21.40	228	19400	0.454	ng/ul	99
24) Benzo(b)fluoranthene	22.95	252	24784	0.535	ng/ul	96
25) Benzo(k)fluoranthene	22.99	252	12968	0.295	ng/ul	91
26) Benzo(a)pyrene	23.53	252	16298	0.436	ng/ul	97
28) Dibenzo(a,h)anthracene	25.96	278	26371	0.657	ng/ul	99
29) Benzo(g,h,i)perylene	26.65	276	12228	0.283	ng/ul	96

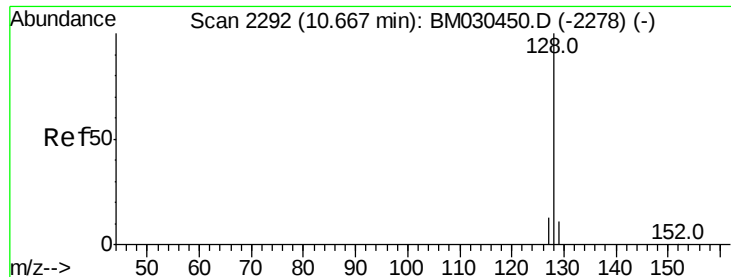
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.225 ng/ul

RT: 10.67 min Scan# 2293

Delta R.T. -0.00 min

Lab File: BM030452.D

Acq: 15 Jun 2021 18:02

Instrument :

BNA_M

ClientSampleId :

X3554

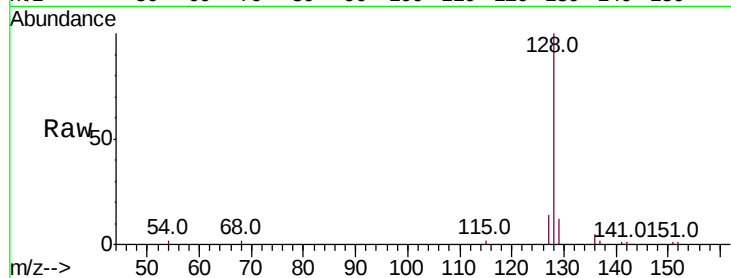
Tot Ion:128 Resp: 9252

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.4

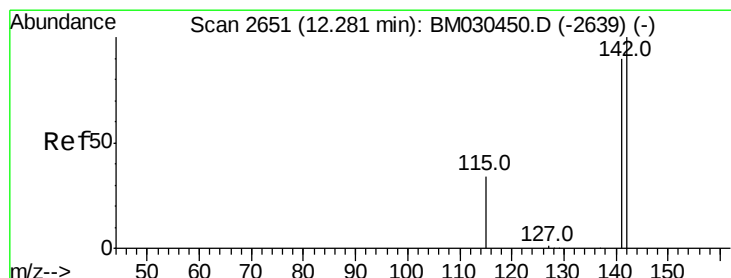
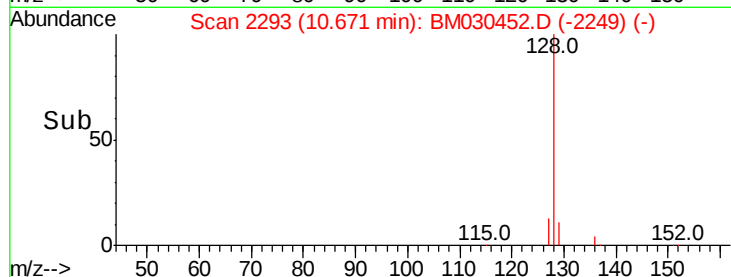
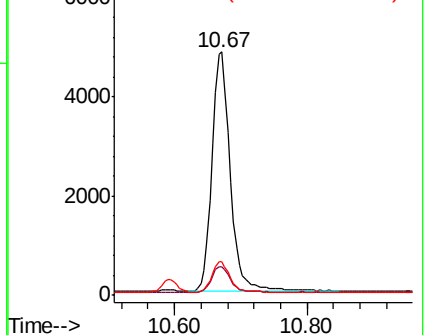
127 13.8 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.442 ng/ul

RT: 12.28 min Scan# 2651

Delta R.T. -0.00 min

Lab File: BM030452.D

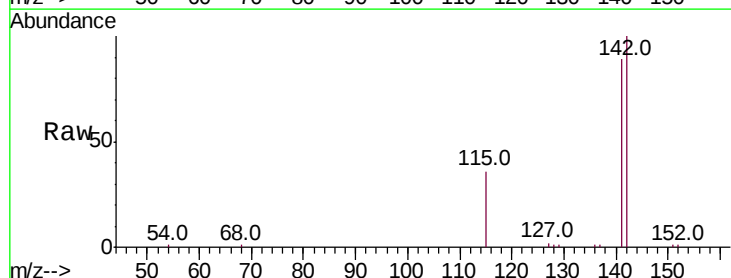
Acq: 15 Jun 2021 18:02

Tgt Ion:142 Resp: 12254

Ion Ratio Lower Upper

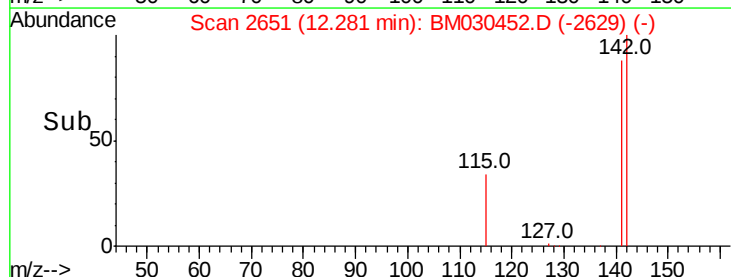
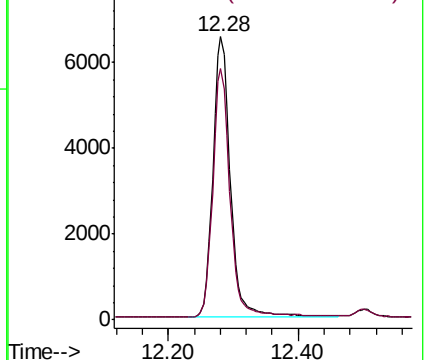
142 100

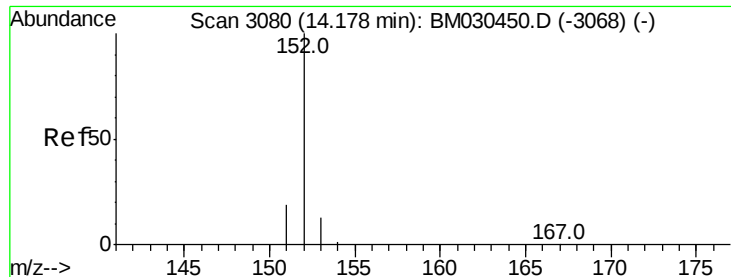
141 88.9 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.209 ng/ul

RT: 14.18 min Scan# 3080

Delta R.T. -0.00 min

Lab File: BM030452.D

Acq: 15 Jun 2021 18:02

Instrument :

BNA_M

ClientSampleId :

X3554

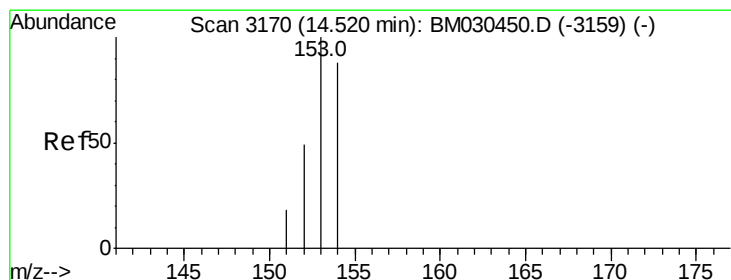
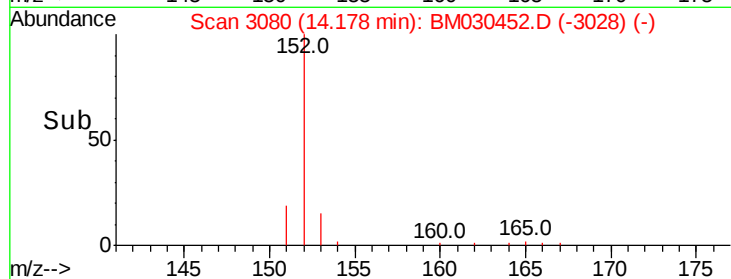
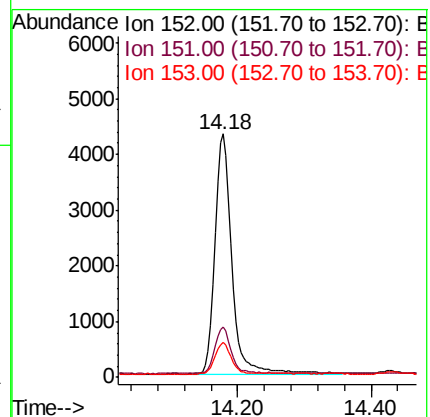
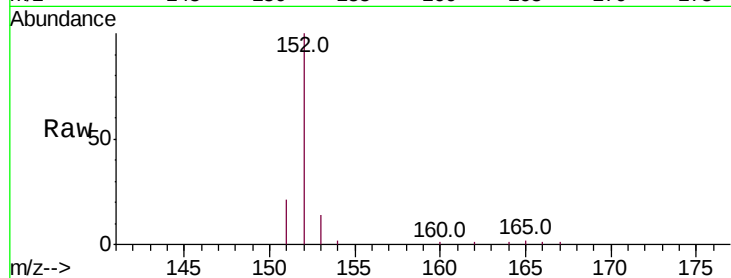
Tot Ion:152 Resp: 7516

Ion Ratio Lower Upper

152 100

151 20.8 16.2 24.2

153 14.4 10.9 16.3



#11

Acenaphthene

Concen: 0.281 ng/ul

RT: 14.52 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BM030452.D

Acq: 15 Jun 2021 18:02

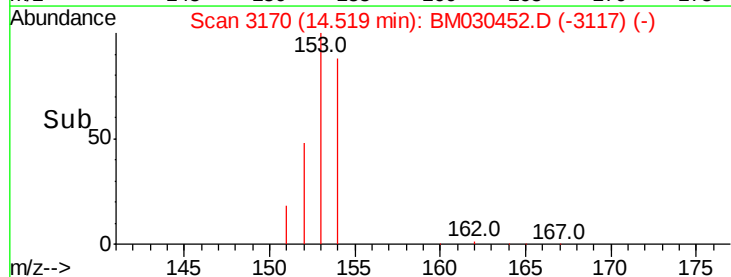
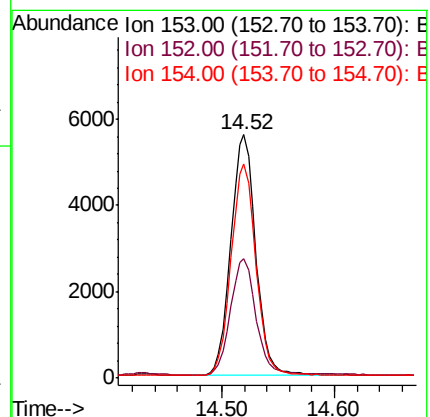
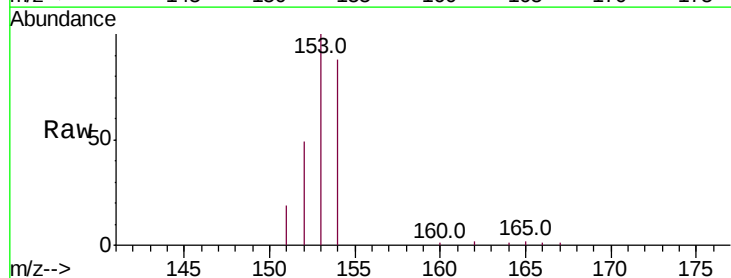
Tgt Ion:153 Resp: 8603

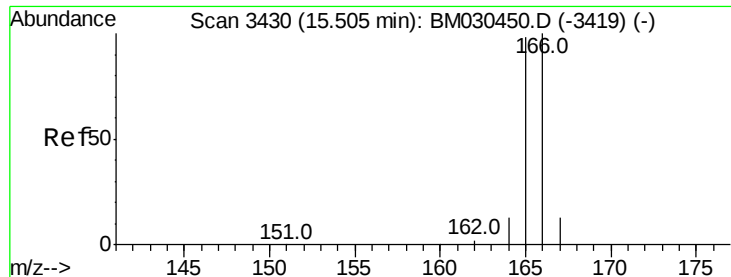
Ion Ratio Lower Upper

153 100

152 49.1 39.8 59.8

154 88.1 70.9 106.3





#12

Fluorene

Concen: 0.389 ng/ul

RT: 15.51 min Scan# 3430

Delta R.T. -0.00 min

Lab File: BM030452.D

Acq: 15 Jun 2021 18:02

Instrument :

BNA_M

ClientSampleId :

X3554

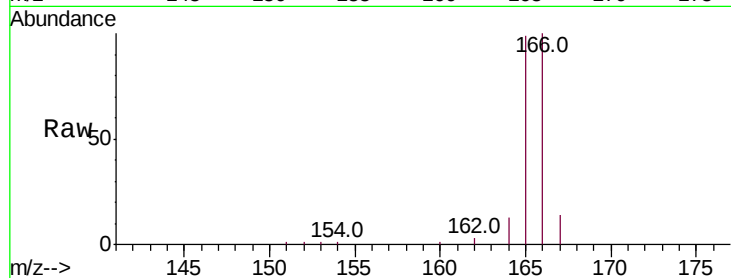
Tot Ion:166 Resp: 13545

Ion Ratio Lower Upper

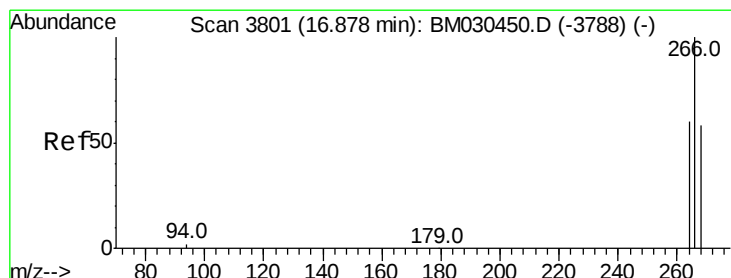
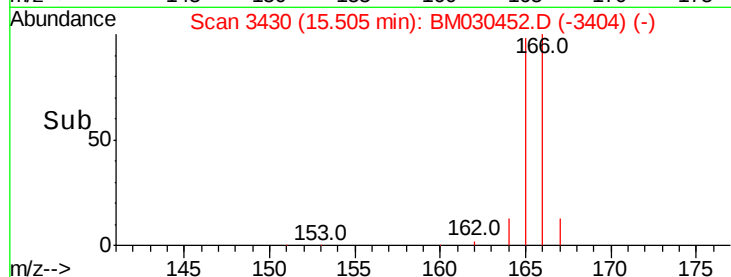
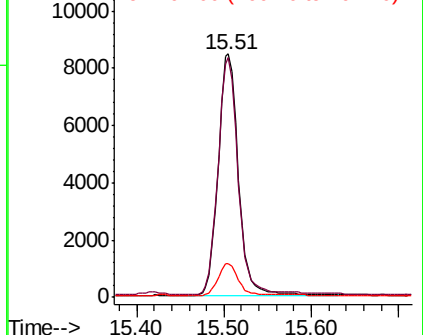
166 100

165 98.7 78.2 117.2

167 14.0 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: 0.584 ng/ul

RT: 16.86 min Scan# 3796

Delta R.T. -0.01 min

Lab File: BM030452.D

Acq: 15 Jun 2021 18:02

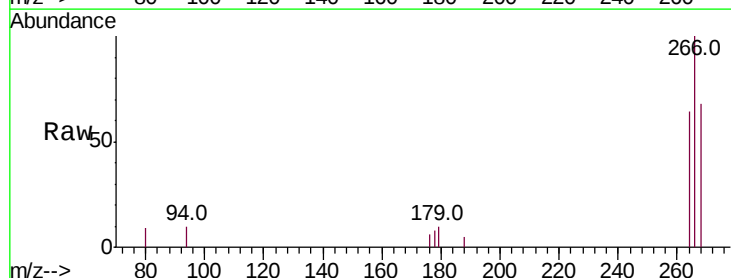
Tgt Ion:266 Resp: 2531

Ion Ratio Lower Upper

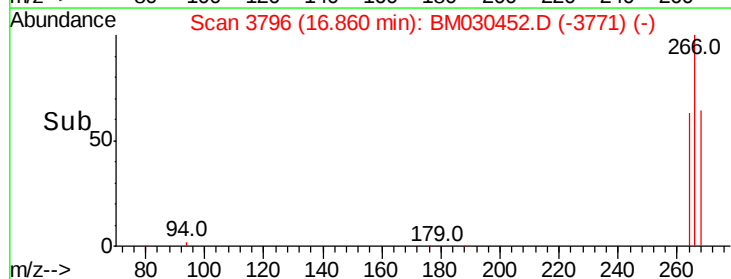
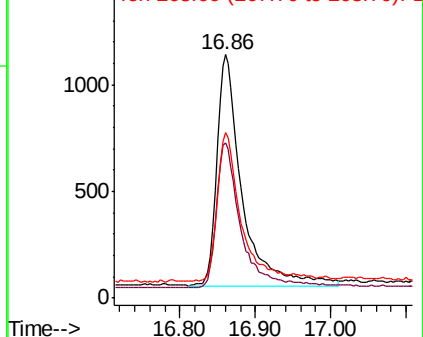
266 100

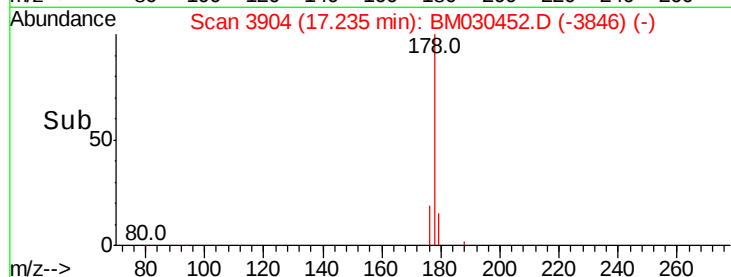
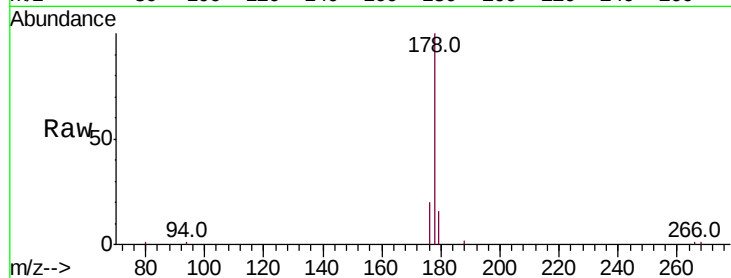
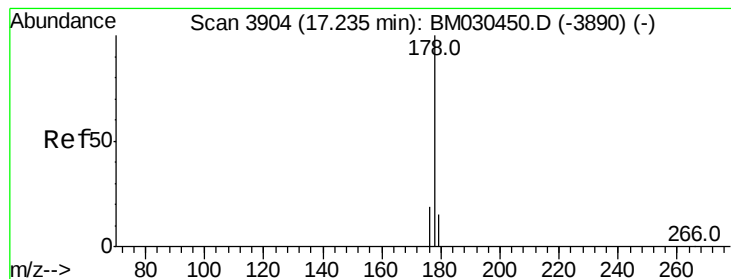
264 62.3 50.6 75.8

268 62.3 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: 0.329 ng/ul

RT: 17.23 min Scan# 3904

Delta R.T. -0.00 min

Lab File: BM030452.D

Acq: 15 Jun 2021 18:02

Instrument :

BNA_M

ClientSampleId :

X3554

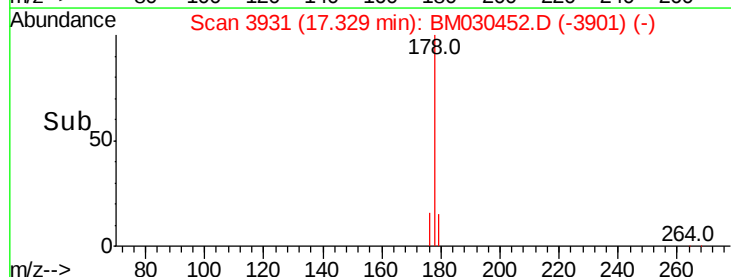
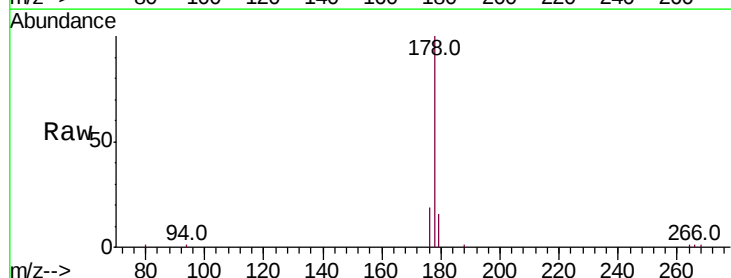
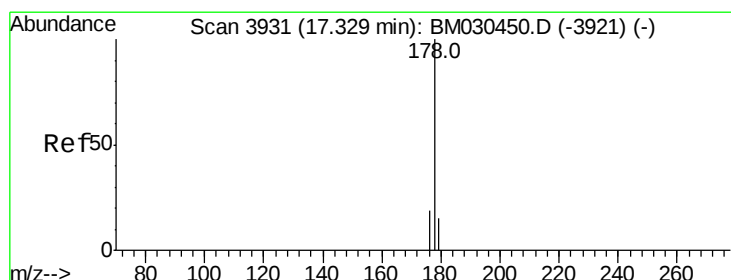
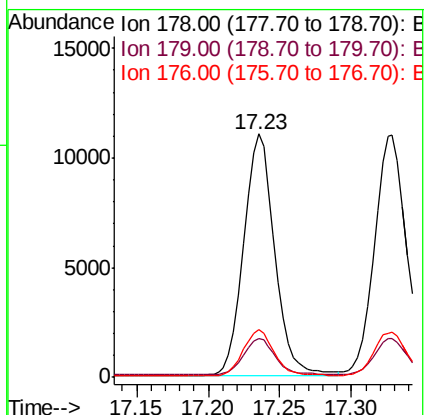
Tot Ion:178 Resp: 16548

Ion Ratio Lower Upper

178 100

179 16.0 12.5 18.7

176 19.7 15.6 23.4



#16

Anthracene

Concen: 0.417 ng/ul

RT: 17.33 min Scan# 3931

Delta R.T. 0.00 min

Lab File: BM030452.D

Acq: 15 Jun 2021 18:02

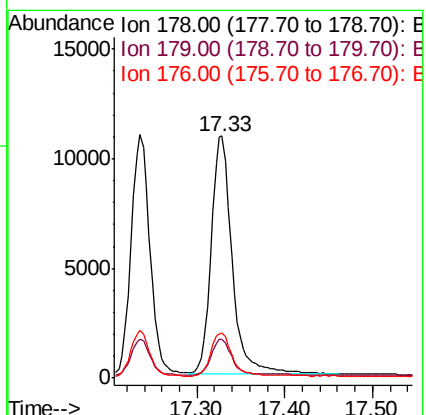
Tgt Ion:178 Resp: 17899

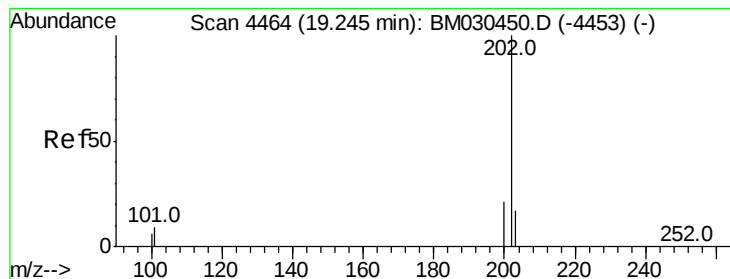
Ion Ratio Lower Upper

178 100

179 16.0 13.1 19.7

176 18.9 15.7 23.5





#19

Fluoranthene

Concen: 0.370 ng/ul

RT: 19.24 min Scan# 4464

Delta R.T. 0.00 min

Lab File: BM030452.D

Acq: 15 Jun 2021 18:02

Instrument :

BNA_M

ClientSampleId :

X3554

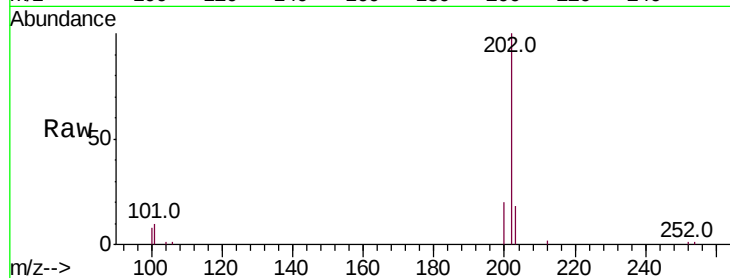
Tot Ion:202 Resp: 18682

Ion Ratio Lower Upper

202 100

101 10.4 9.7 14.5

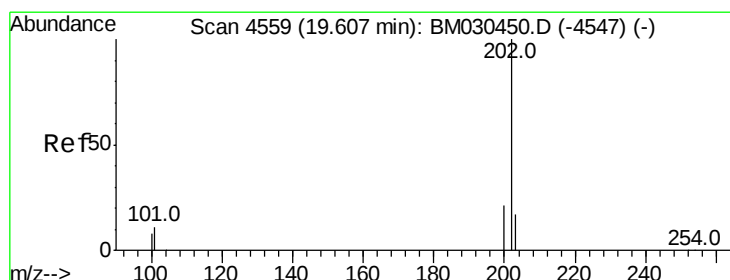
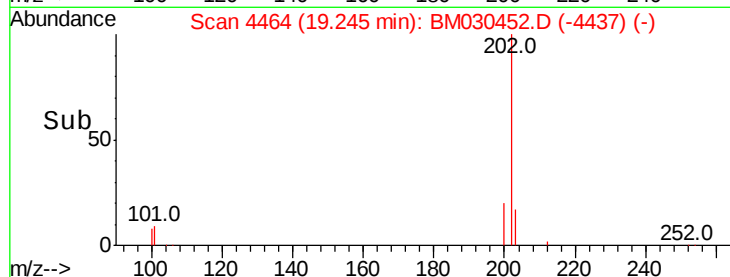
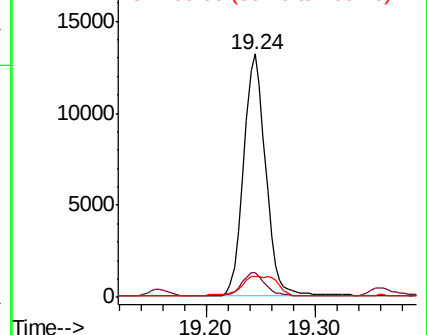
100 8.5 7.4 11.0



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: 0.369 ng/ul

RT: 19.61 min Scan# 4559

Delta R.T. 0.00 min

Lab File: BM030452.D

Acq: 15 Jun 2021 18:02

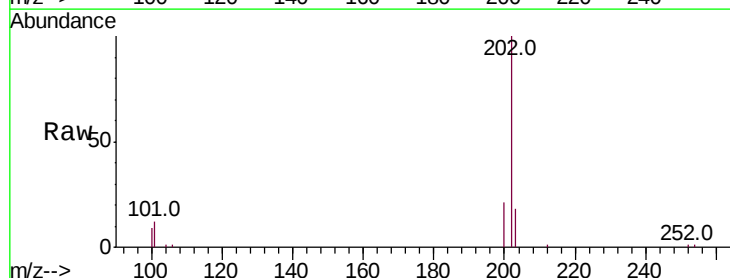
Tgt Ion:202 Resp: 18924

Ion Ratio Lower Upper

202 100

101 11.7 10.6 16.0

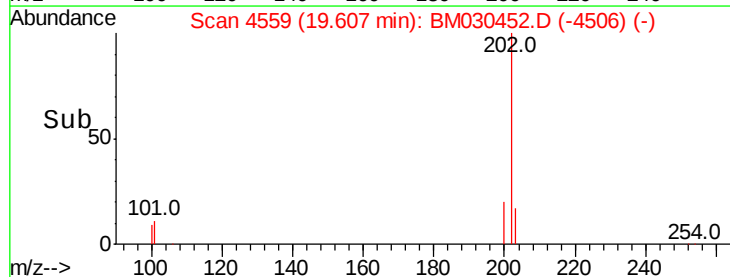
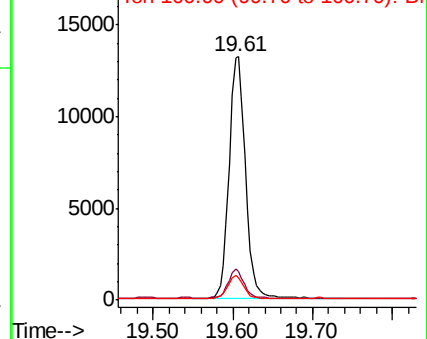
100 9.1 8.9 13.3

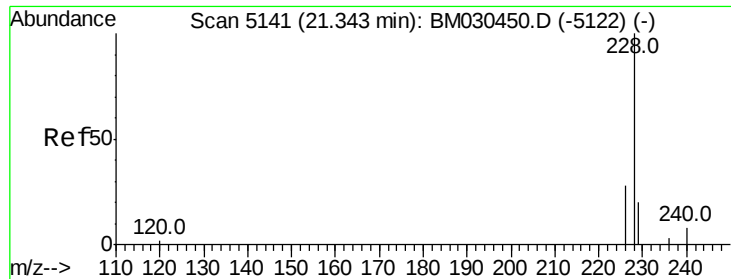


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

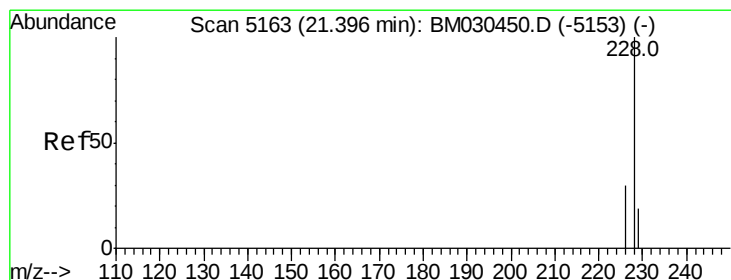
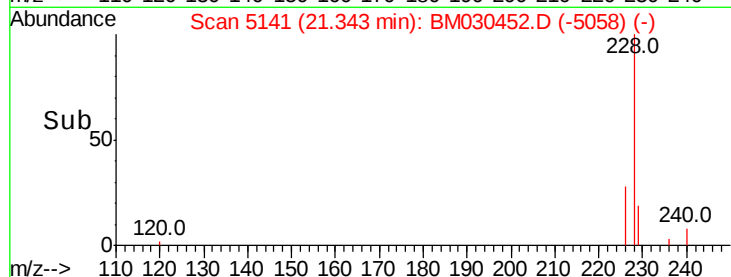
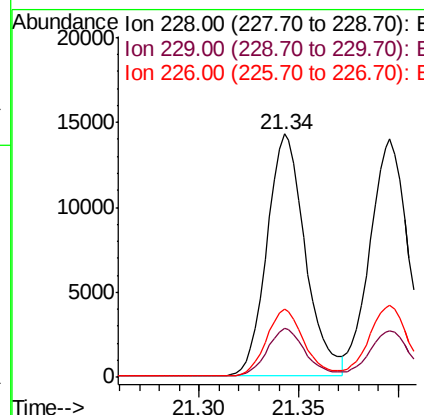
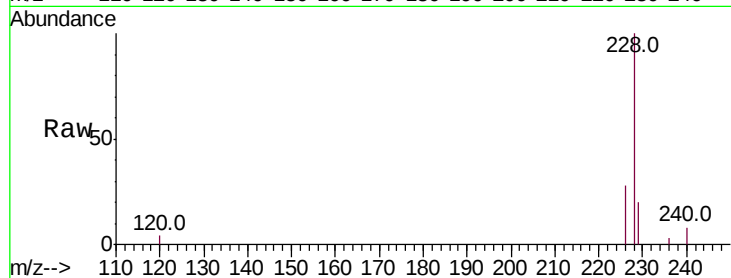




#21
Benzo(a)anthracene
Concen: 0.481 ng/ul
RT: 21.34 min Scan# 5141
Delta R.T. -0.00 min
Lab File: BM030452.D
Acq: 15 Jun 2021 18:02

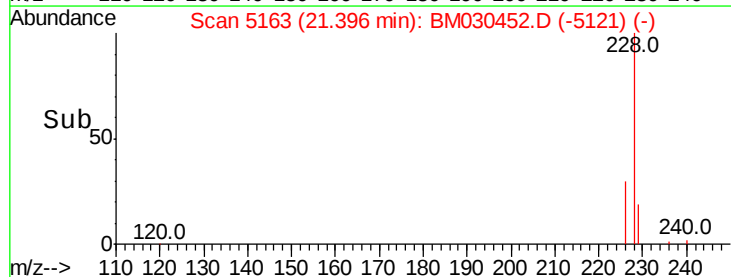
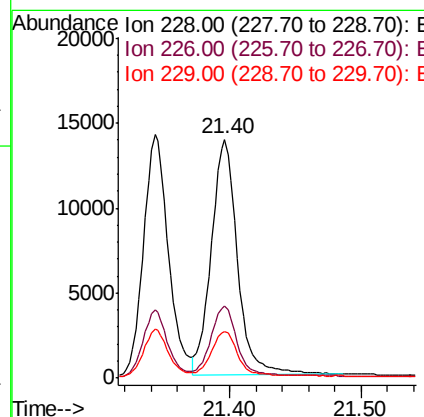
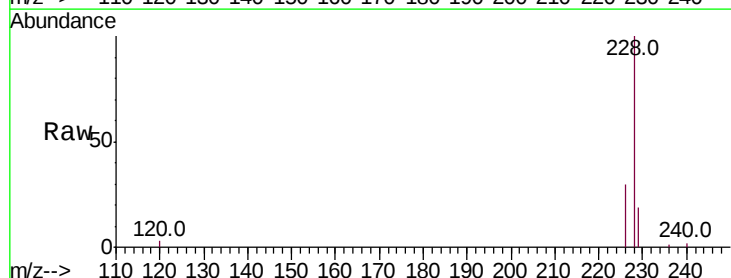
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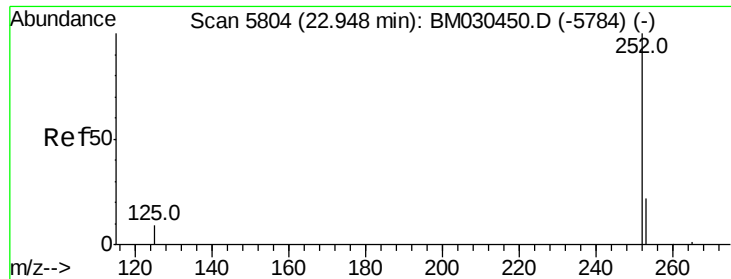
Tot Ion:228 Resp: 19130
Ion Ratio Lower Upper
228 100
229 19.9 15.9 23.9
226 27.9 22.3 33.5



#22
Chrysene
Concen: 0.454 ng/ul
RT: 21.40 min Scan# 5163
Delta R.T. 0.00 min
Lab File: BM030452.D
Acq: 15 Jun 2021 18:02

Tgt Ion:228 Resp: 19400
Ion Ratio Lower Upper
228 100
226 30.4 24.7 37.1
229 19.4 15.7 23.5





#24

Benzo(b)fluoranthene

Concen: 0.535 ng/ul

RT: 22.95 min Scan# 5803

Delta R.T. -0.00 min

Lab File: BM030452.D

Acq: 15 Jun 2021 18:02

Instrument :

BNA_M

ClientSampleId :

X3554

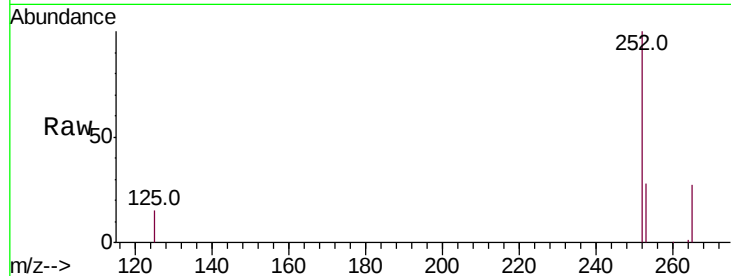
Tot Ion:252 Resp: 24784

Ion Ratio Lower Upper

252 100

253 28.2 0.0 57.4

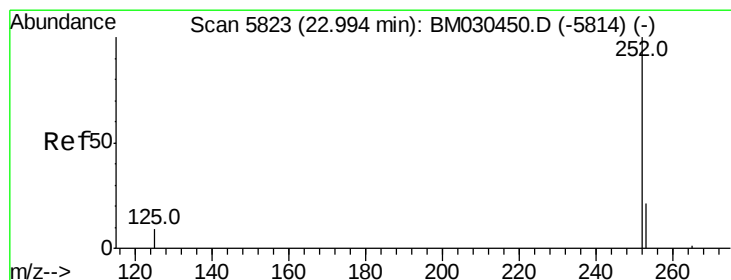
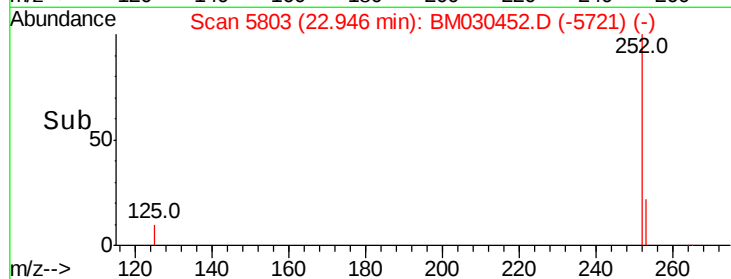
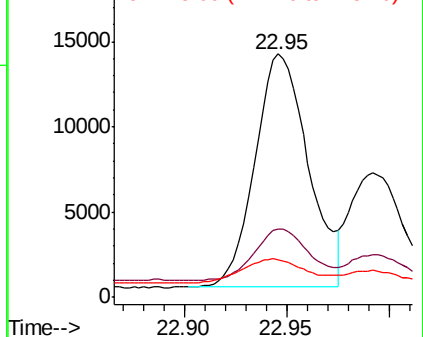
125 15.5 0.0 38.0



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: 0.295 ng/ul

RT: 22.99 min Scan# 5822

Delta R.T. -0.00 min

Lab File: BM030452.D

Acq: 15 Jun 2021 18:02

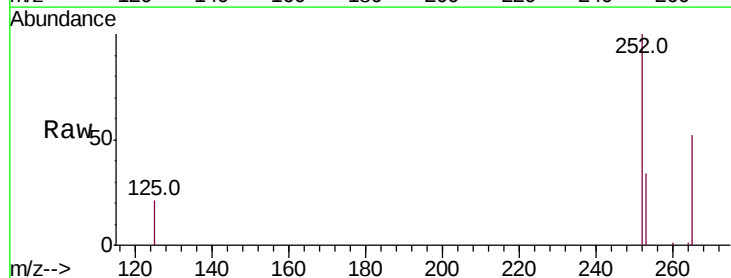
Tgt Ion:252 Resp: 12968

Ion Ratio Lower Upper

252 100

253 34.3 23.0 34.6

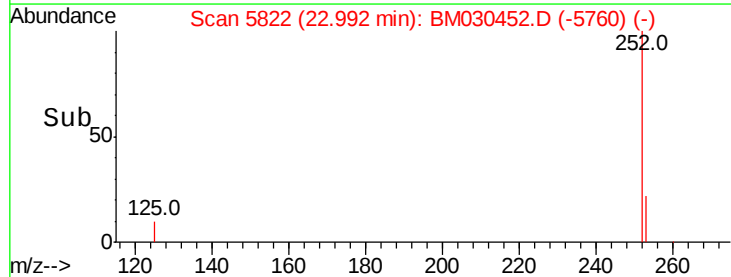
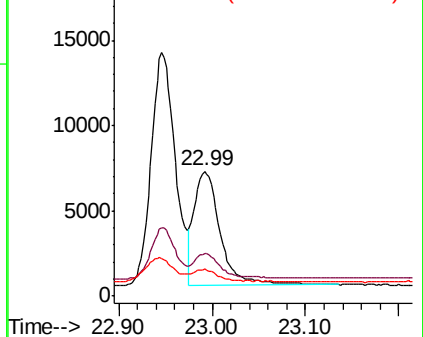
125 21.5 14.8 22.2

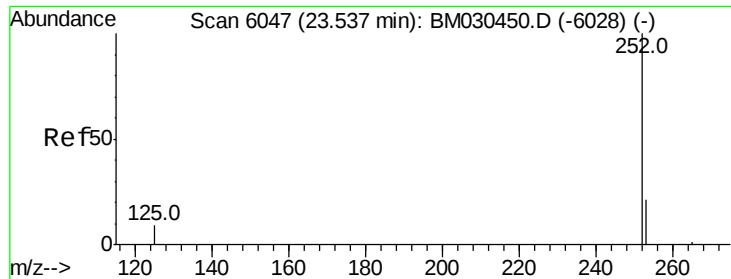


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.436 ng/ul

RT: 23.53 min Scan# 6046

Delta R.T. -0.00 min

Lab File: BM030452.D

Acq: 15 Jun 2021 18:02

Instrument :

BNA_M

ClientSampleId :

X3554

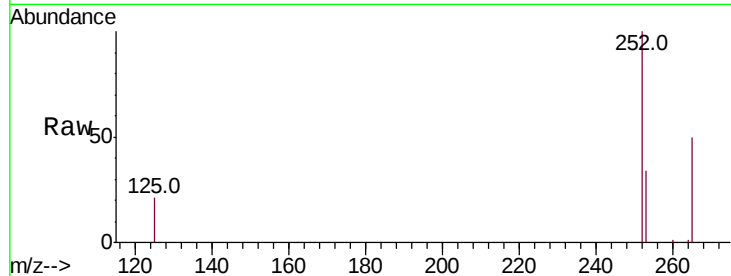
Tot Ion:252 Resp: 16298

Ion Ratio Lower Upper

252 100

253 33.6 25.3 37.9

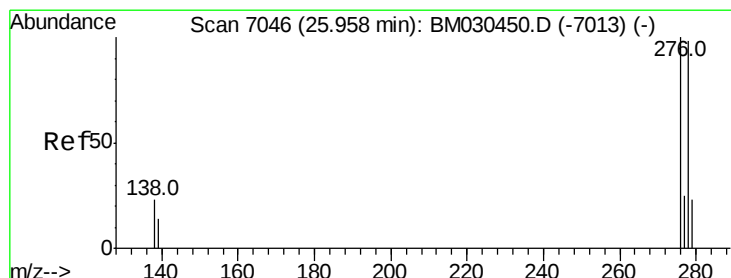
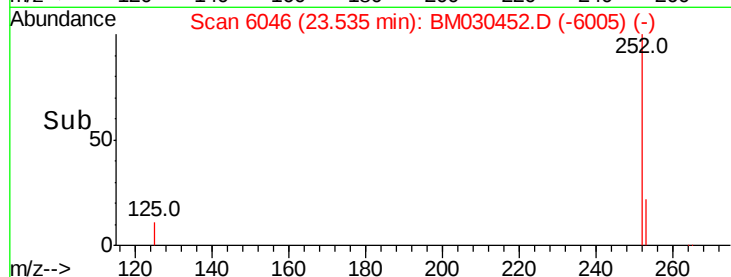
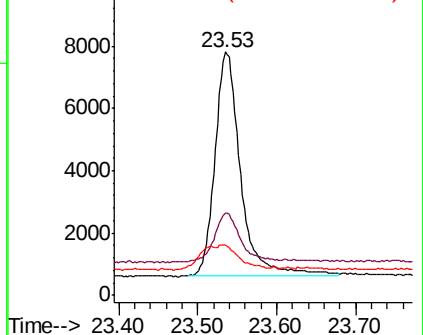
125 20.5 17.6 26.4



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



#28

Dibenzo(a,h)anthracene

Concen: 0.657 ng/ul

RT: 25.96 min Scan# 7046

Delta R.T. 0.00 min

Lab File: BM030452.D

Acq: 15 Jun 2021 18:02

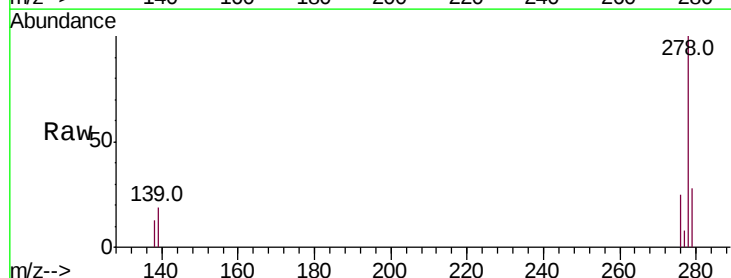
Tgt Ion:278 Resp: 26371

Ion Ratio Lower Upper

278 100

139 19.1 15.8 23.8

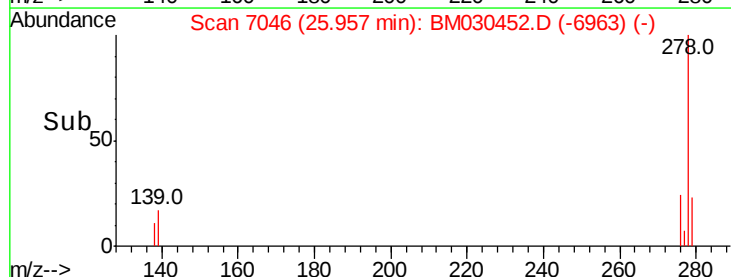
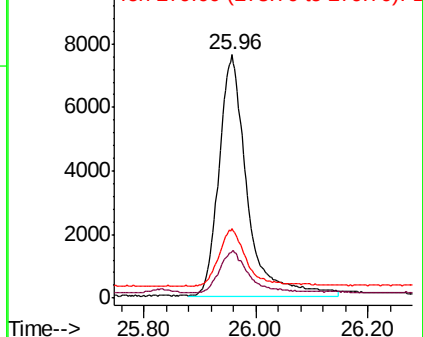
279 28.3 23.2 34.8

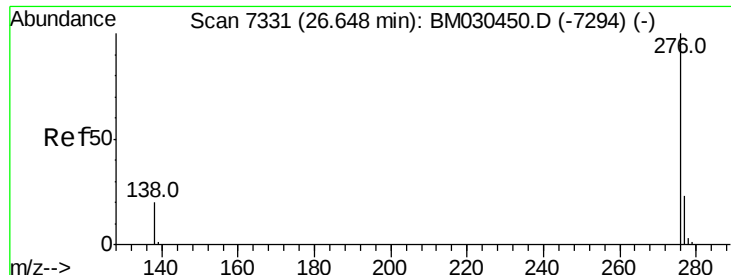


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#29

Benzo(a,h,i)perylene

Concen: 0.283 ng/ul

RT: 26.65 min Scan# 7331

Delta R.T. -0.00 min

Lab File: BM030452.D

Acq: 15 Jun 2021 18:02

Instrument :

BNA_M

ClientSampleId :

X3554

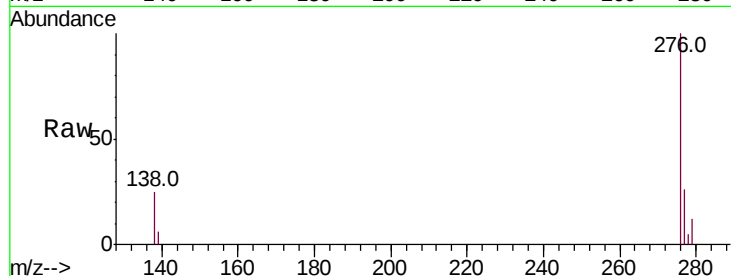
Tot Ion:276 Resp: 12228

Ion Ratio Lower Upper

276 100

138 24.7 21.5 32.3

277 26.4 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

