

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\
 Data File : BM027924.D
 Acq On : 23 Nov 2020 21:38
 Operator : JU/CG
 Sample : L4711-05DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0BF2DL

Quant Time: Nov 24 00:45:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 24 00:42:23 2020
 Response via : Initial Calibration

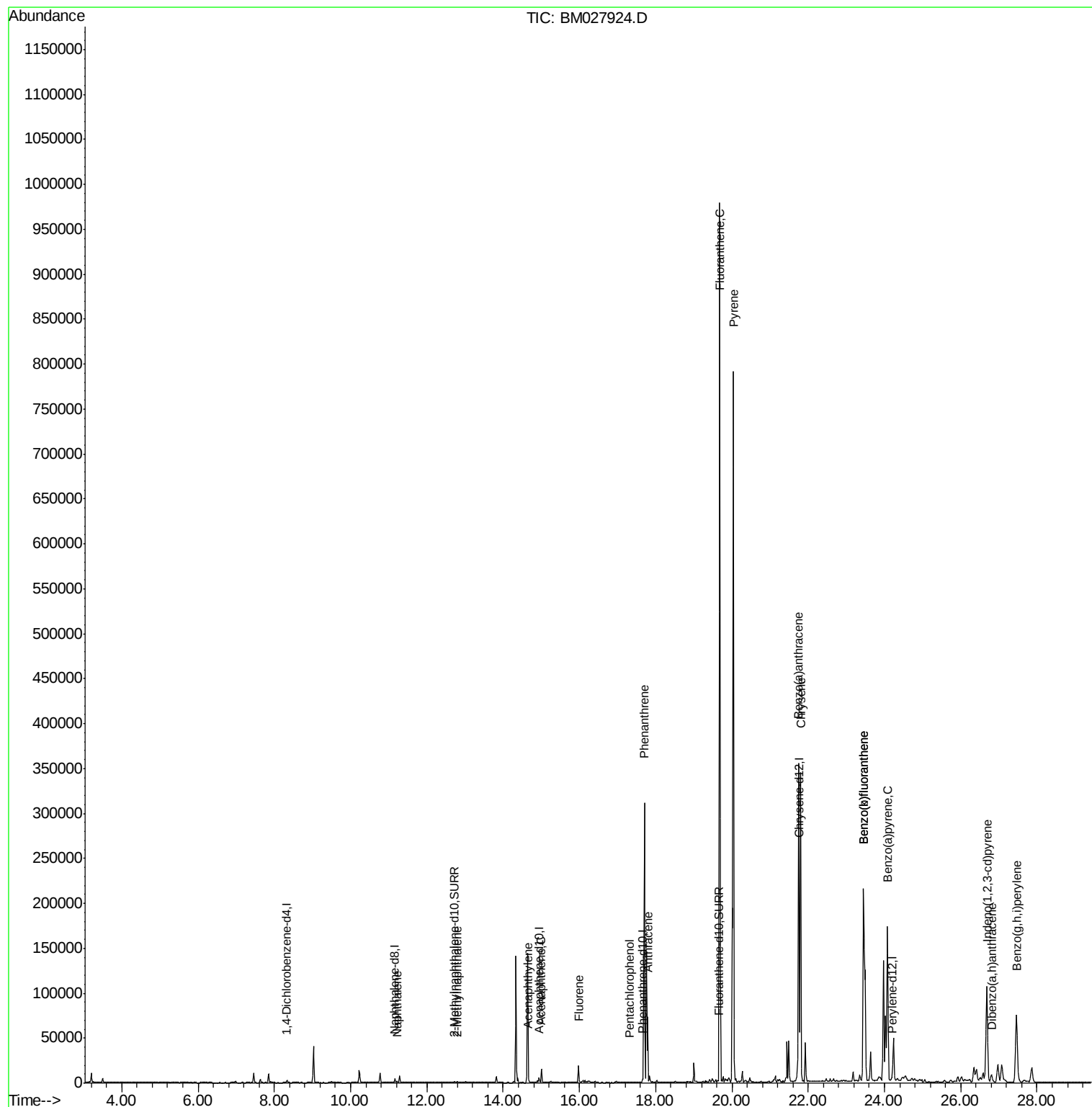
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	1370	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	5464	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	3228	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	5681	0.40	ng/ul	0.00
16) Chrysene-d12	21.77	240	3436	0.40	ng/ul	0.00
20) Perylene-d12	24.19	264	3560	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	1140	0.12	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	1752	0.12	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.21	128	1562	0.095	ng/ul#	94
5) 2-Methylnaphthalene	12.80	142	724	0.065	ng/ul	99
7) Acenaphthylene	14.67	152	2576	0.164	ng/ul#	94
8) Acenaphthene	15.00	153	8406	0.712	ng/ul	99
9) Fluorene	15.98	166	11351	0.829	ng/ul	98
11) Pentachlorophenol	17.31	266	43	0.022	ng/ul	99
12) Phenanthrene	17.70	178	327371	18.242	ng/ul	97
13) Anthracene	17.79	178	72860	4.209	ng/ul	98
15) Fluoranthene	19.68	202	827139	41.569	ng/ul	100
17) Pyrene	20.04	202	660435	37.847	ng/ul	97
18) Benzo(a)anthracene	21.75	228	316311	22.816	ng/ul	100
19) Chrysene	21.80	228	335775	24.866	ng/ul	99
21) Benzo(b)fluoranthene	23.45	252	531026	35.493	ng/ul	87
22) Benzo(k)fluoranthene	23.45	252	531026	36.244	ng/ul#	87
23) Benzo(a)pyrene	24.08	252	260357	19.903	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.69	276	180620	12.753	ng/ul#	96
25) Dibenzo(a,h)anthracene	26.81	278	13921	1.180	ng/ul	98
26) Benzo(g,h,i)perylene	27.46	276	174766	14.707	ng/ul	92

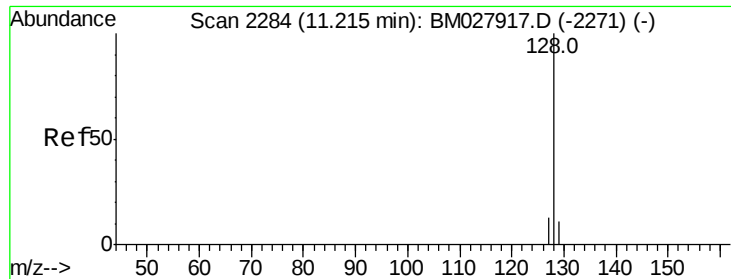
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 24 00:45:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
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QLast Update : Tue Nov 24 00:42:23 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.095 ng/ul

RT: 11.21 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BM027924.D

Acq: 23 Nov 2020 21:38

Instrument :

BNA_M

ClientSampleId :

C0BF2DL

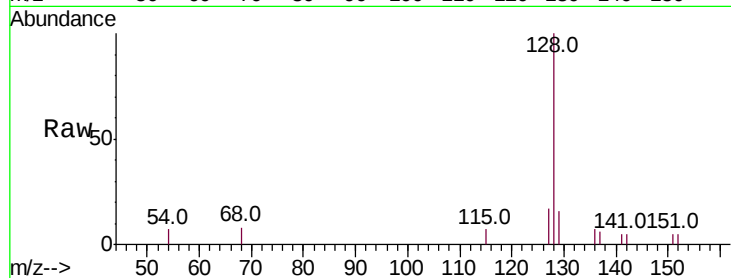
Tot Ion:128 Resp: 1562

Ion Ratio Lower Upper

128 100

129 15.9 10.4 15.6#

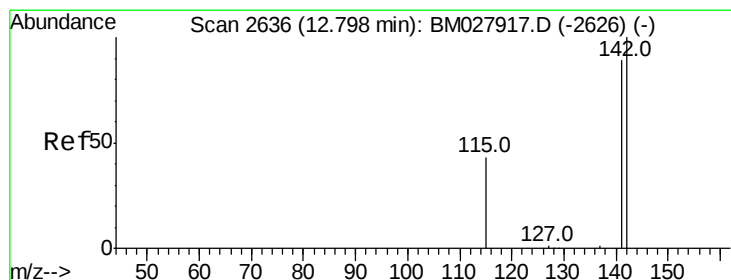
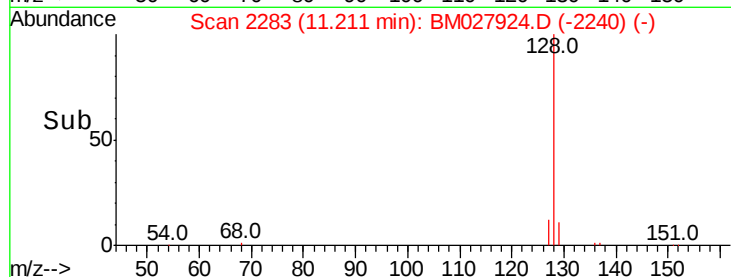
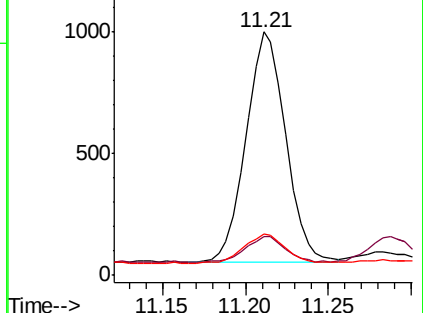
127 16.7 12.0 18.0



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



#5

2-Methylnaphthalene

Concen: 0.065 ng/ul

RT: 12.80 min Scan# 2636

Delta R.T. -0.00 min

Lab File: BM027924.D

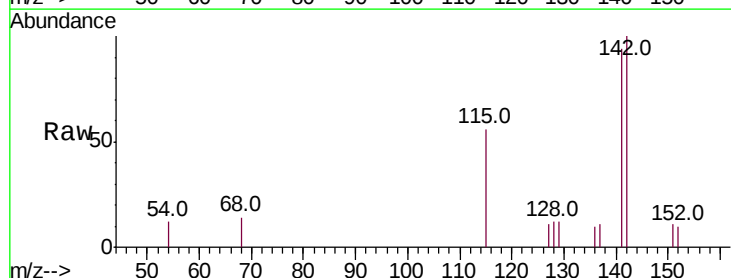
Acq: 23 Nov 2020 21:38

Tgt Ion:142 Resp: 724

Ion Ratio Lower Upper

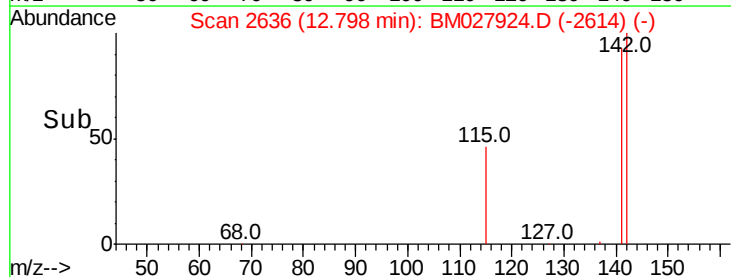
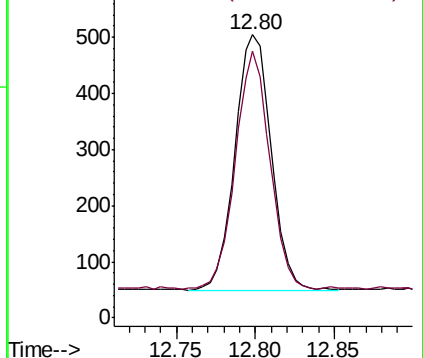
142 100

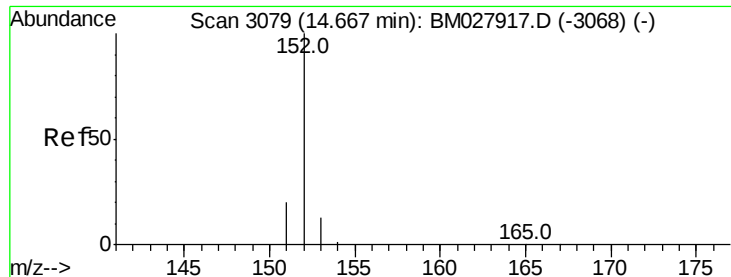
141 89.0 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.164 ng/ul

RT: 14.67 min Scan# 3080

Delta R.T. -0.00 min

Lab File: BM027924.D

Acq: 23 Nov 2020 21:38

Instrument :

BNA_M

ClientSampleId :

C0BF2DL

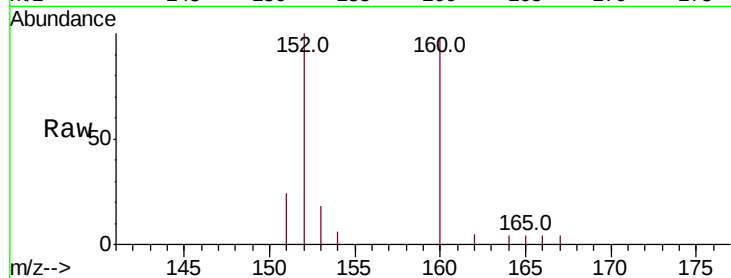
Tot Ion:152 Resp: 2576

Ion Ratio Lower Upper

152 100

151 23.5 17.1 25.7

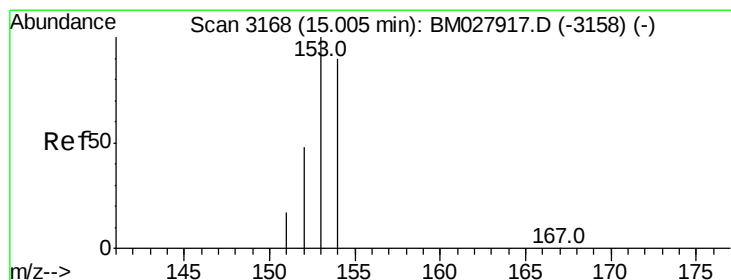
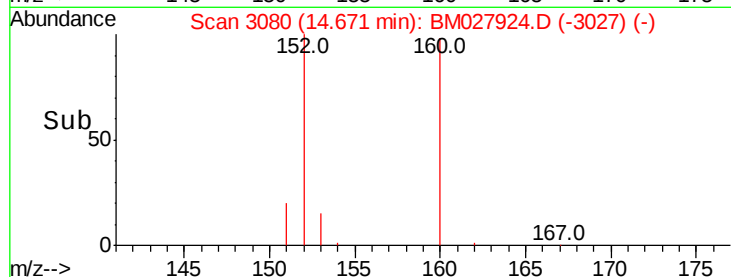
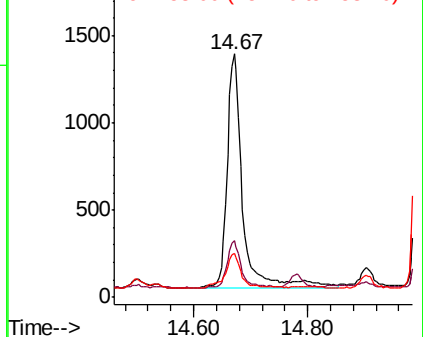
153 18.1 12.0 18.0#



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



#8

Acenaphthene

Concen: 0.712 ng/ul

RT: 15.00 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BM027924.D

Acq: 23 Nov 2020 21:38

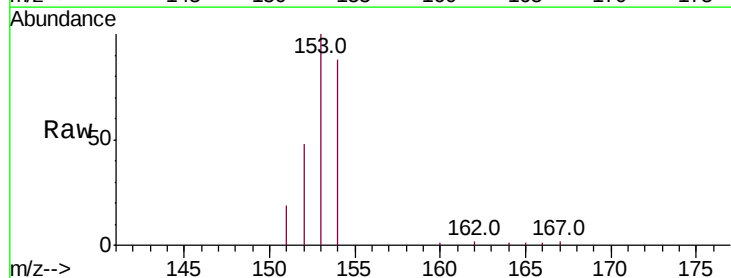
Tgt Ion:153 Resp: 8406

Ion Ratio Lower Upper

153 100

152 48.0 39.0 58.6

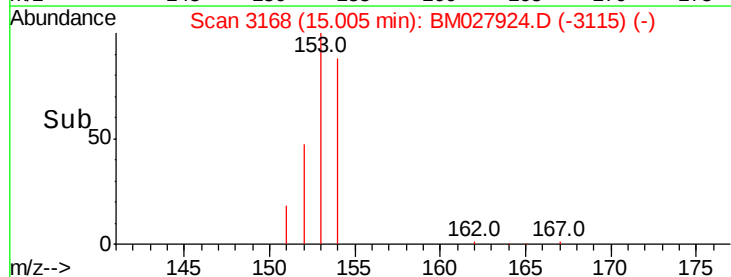
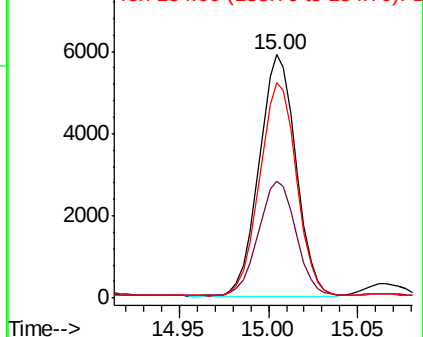
154 88.5 71.6 107.4

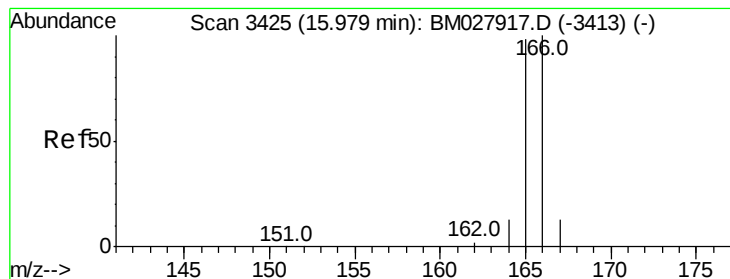


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.829 ng/ul

RT: 15.98 min Scan# 3425

Delta R.T. -0.00 min

Lab File: BM027924.D

Acq: 23 Nov 2020 21:38

Instrument :

BNA_M

ClientSampleId :

C0BF2DL

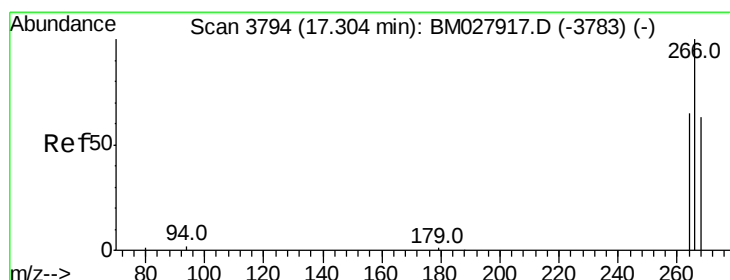
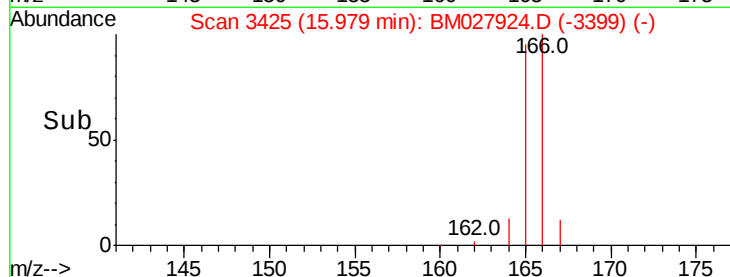
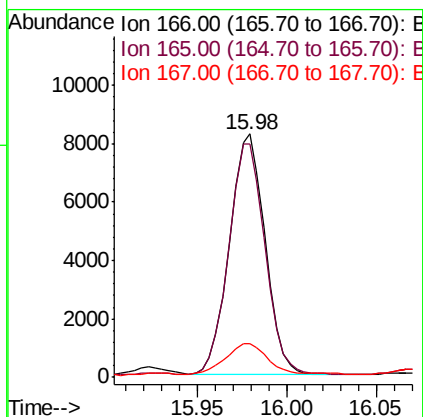
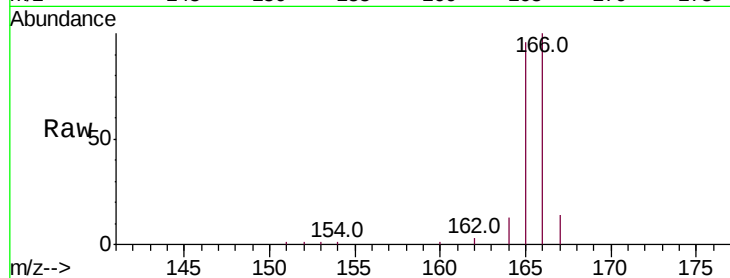
Tot Ion:166 Resp: 11351

Ion Ratio Lower Upper

166 100

165 96.1 78.1 117.1

167 13.9 11.8 17.8



#11

Pentachlorophenol

Concen: 0.022 ng/ul

RT: 17.31 min Scan# 3795

Delta R.T. -0.00 min

Lab File: BM027924.D

Acq: 23 Nov 2020 21:38

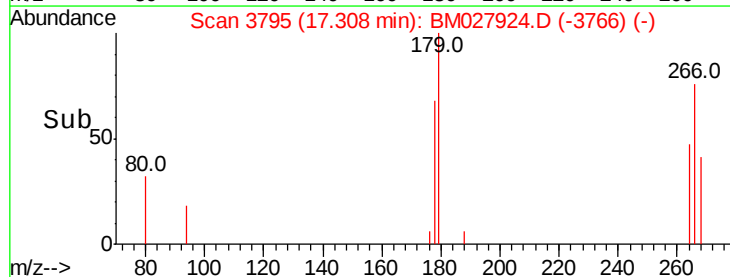
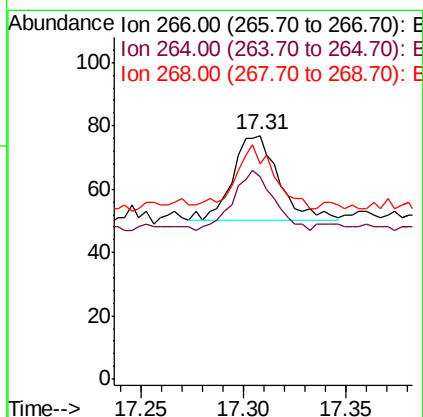
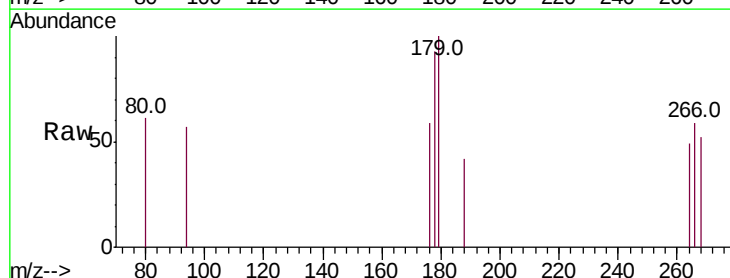
Tgt Ion:266 Resp: 43

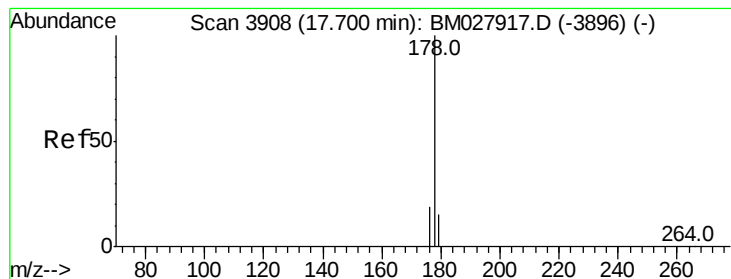
Ion Ratio Lower Upper

266 100

264 60.5 49.6 74.4

268 65.1 52.1 78.1





#12

Phenanthrene

Concen: 18.242 ng/ul

RT: 17.70 min Scan# 3909

Delta R.T. 0.00 min

Lab File: BM027924.D

Acq: 23 Nov 2020 21:38

Instrument :

BNA_M

ClientSampleId :

C0BF2DL

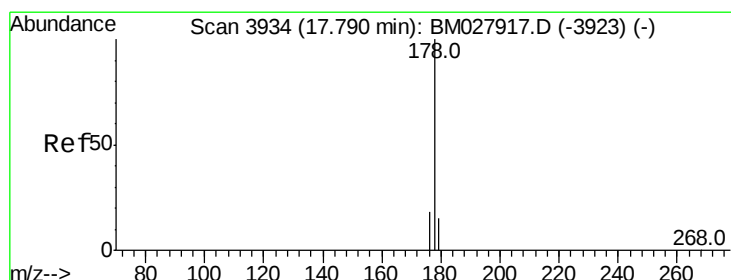
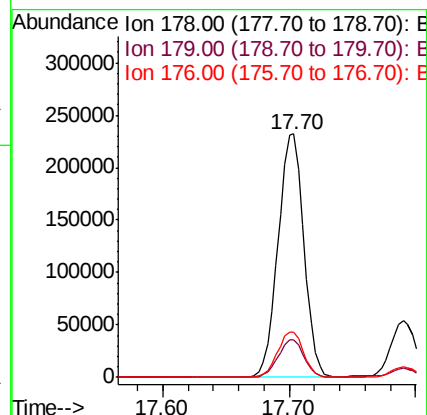
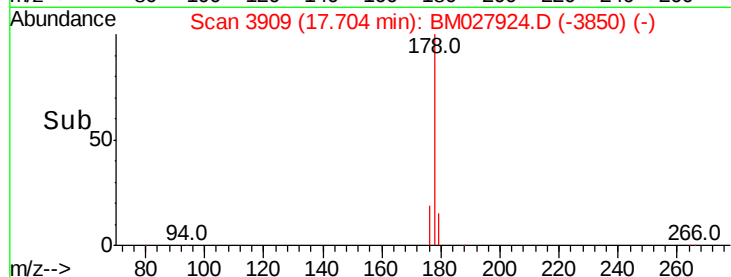
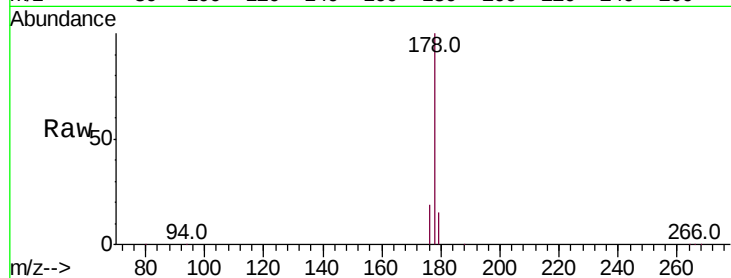
Tot Ion:178 Resp: 327371

Ion Ratio Lower Upper

178 100

179 15.4 13.6 20.4

176 18.7 16.1 24.1



#13

Anthracene

Concen: 4.209 ng/ul

RT: 17.79 min Scan# 3934

Delta R.T. -0.00 min

Lab File: BM027924.D

Acq: 23 Nov 2020 21:38

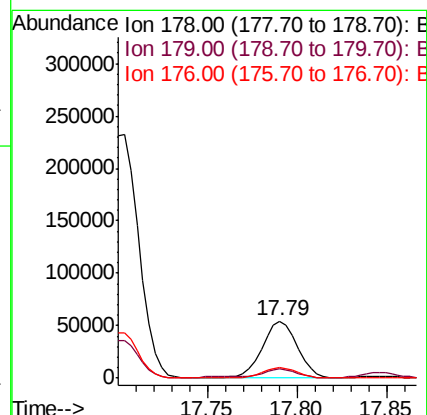
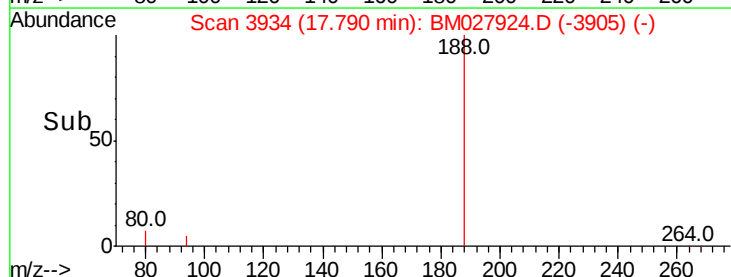
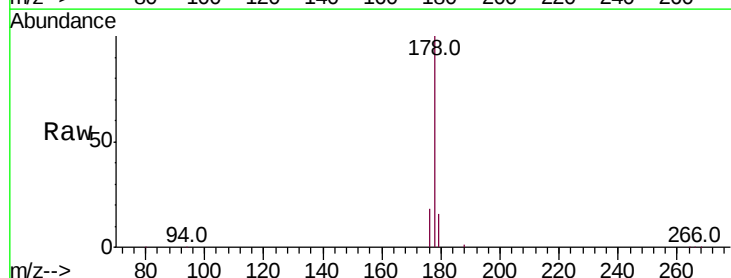
Tgt Ion:178 Resp: 72860

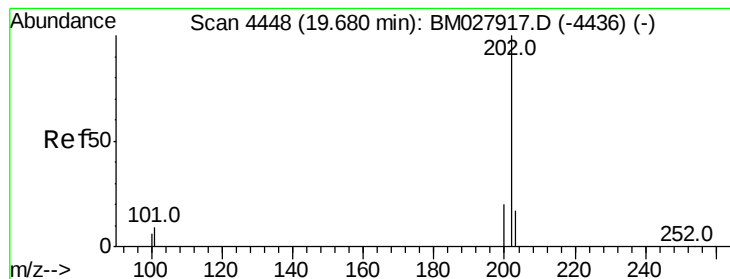
Ion Ratio Lower Upper

178 100

179 15.6 13.4 20.2

176 18.2 15.0 22.6





#15

Fluoranthene

Concen: 41.569 ng/ul

RT: 19.68 min Scan# 4449

Delta R.T. 0.00 min

Lab File: BM027924.D

Acq: 23 Nov 2020 21:38

Instrument :

BNA_M

ClientSampleId :

C0BF2DL

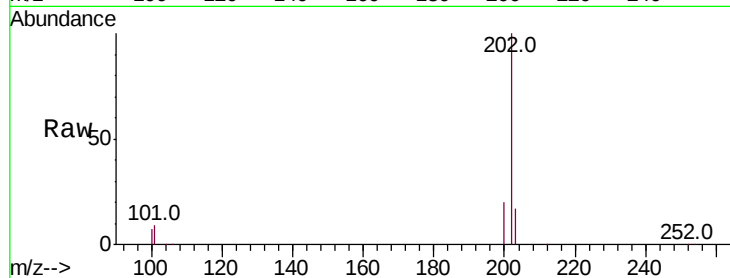
Tot Ion:202 Resp: 827139

Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.3

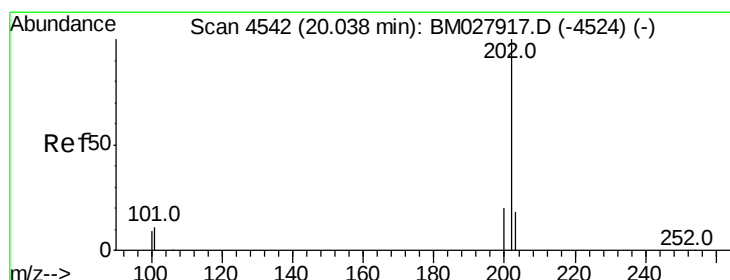
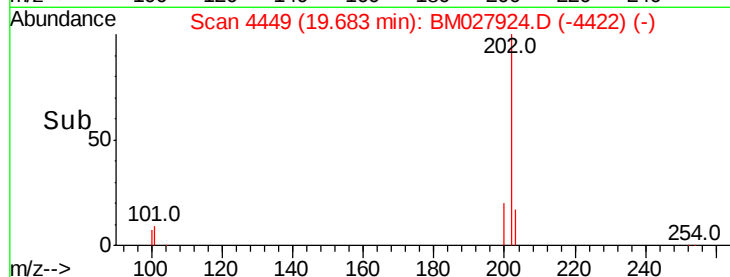
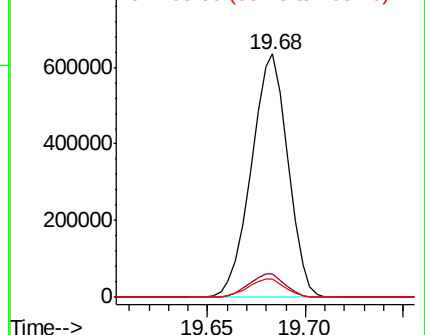
100 7.3 0.0 27.4



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



#17

Pyrene

Concen: 37.847 ng/ul

RT: 20.04 min Scan# 4542

Delta R.T. -0.00 min

Lab File: BM027924.D

Acq: 23 Nov 2020 21:38

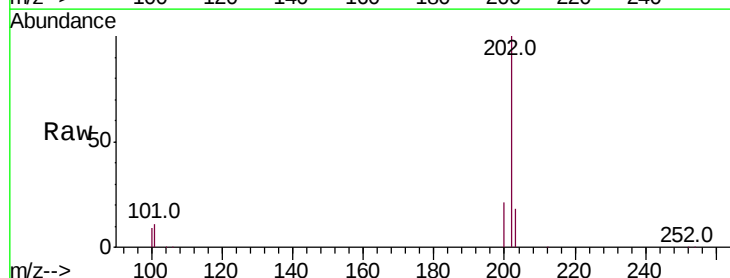
Tgt Ion:202 Resp: 660435

Ion Ratio Lower Upper

202 100

101 11.3 8.2 12.2

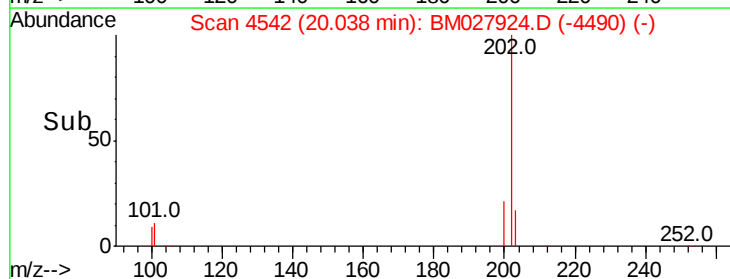
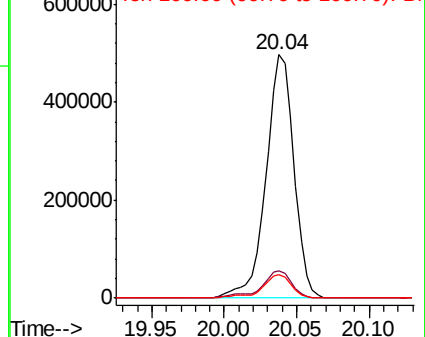
100 9.5 6.9 10.3

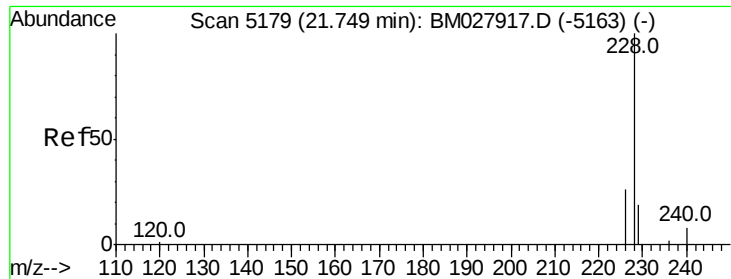


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

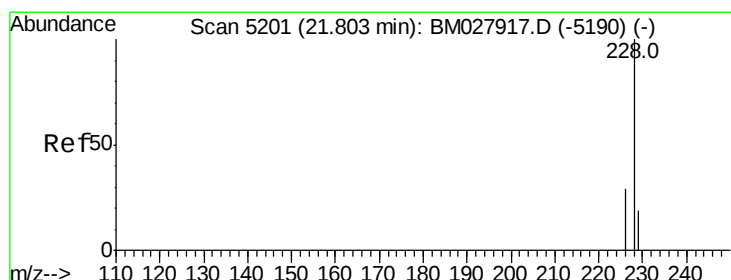
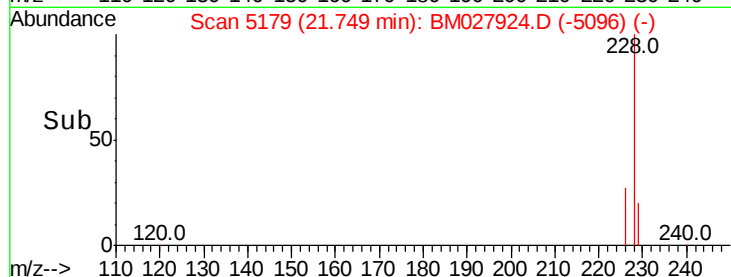
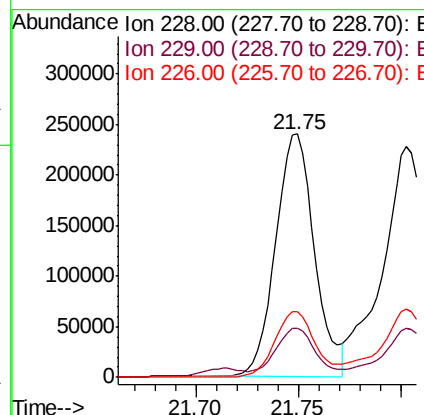
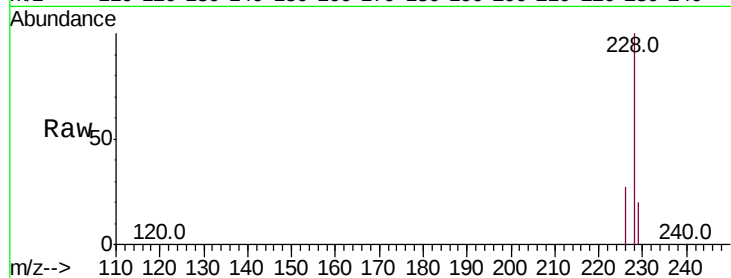




#18
Benzo(a)anthracene
Concen: 22.816 ng/ul
RT: 21.75 min Scan# 5179
Delta R.T. -0.00 min
Lab File: BM027924.D
Acq: 23 Nov 2020 21:38

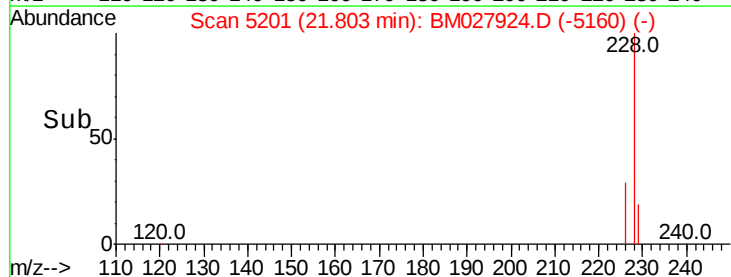
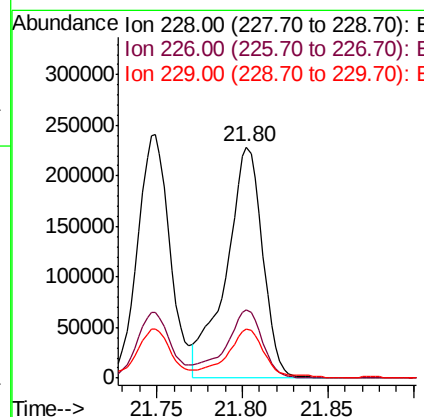
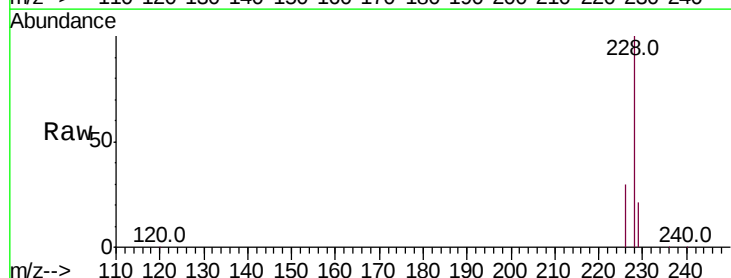
Instrument :
BNA_M
ClientSampleId :
C0BF2DL

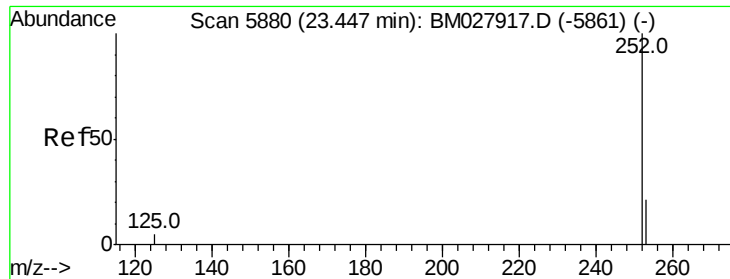
Tot Ion:228 Resp: 316311
Ion Ratio Lower Upper
228 100
229 20.3 16.2 24.4
226 26.8 21.5 32.3



#19
Chrysene
Concen: 24.866 ng/ul
RT: 21.80 min Scan# 5201
Delta R.T. -0.00 min
Lab File: BM027924.D
Acq: 23 Nov 2020 21:38

Tgt Ion:228 Resp: 335775
Ion Ratio Lower Upper
228 100
226 29.5 24.1 36.1
229 21.3 16.6 24.8





#21

Benzo(b)fluoranthene

Concen: 35.493 ng/ul

RT: 23.45 min Scan# 5882

Delta R.T. 0.00 min

Lab File: BM027924.D

Acq: 23 Nov 2020 21:38

Instrument :

BNA_M

ClientSampleId :

C0BF2DL

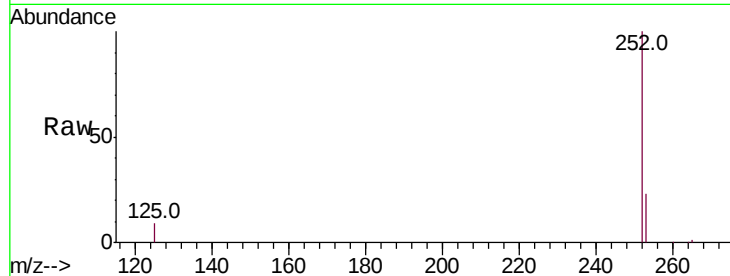
Tot Ion:252 Resp: 531026

Ion Ratio Lower Upper

252 100

253 22.6 0.0 59.6

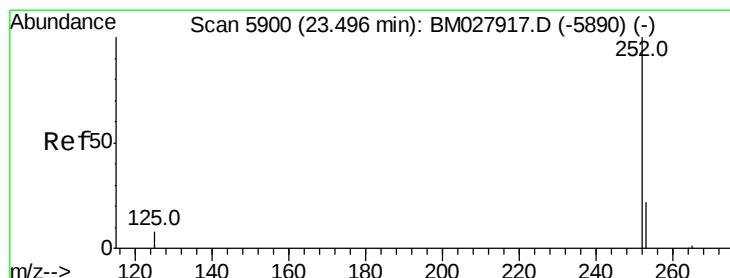
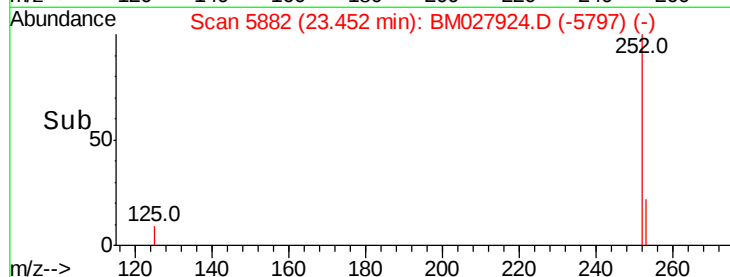
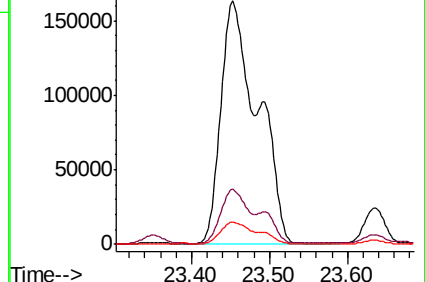
125 9.0 0.0 28.4



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



#22

Benzo(k)fluoranthene

Concen: 36.244 ng/ul

RT: 23.45 min Scan# 5882

Delta R.T. -0.04 min

Lab File: BM027924.D

Acq: 23 Nov 2020 21:38

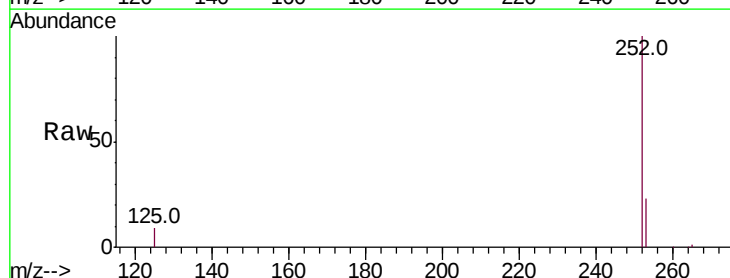
Tgt Ion:252 Resp: 531026

Ion Ratio Lower Upper

252 100

253 22.6 23.2 34.8#

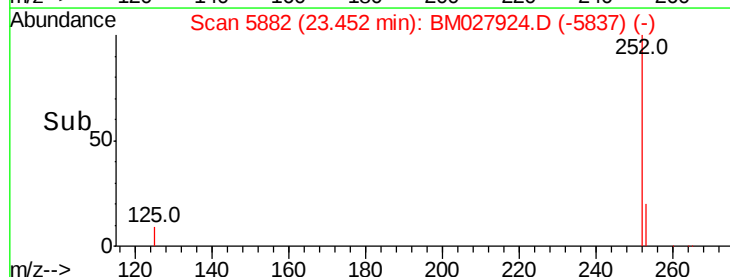
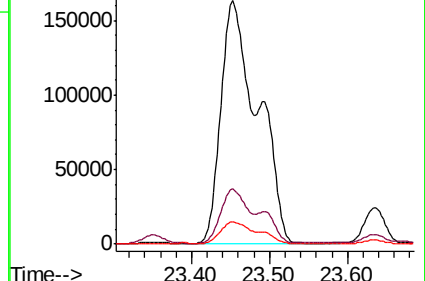
125 9.0 11.8 17.6#

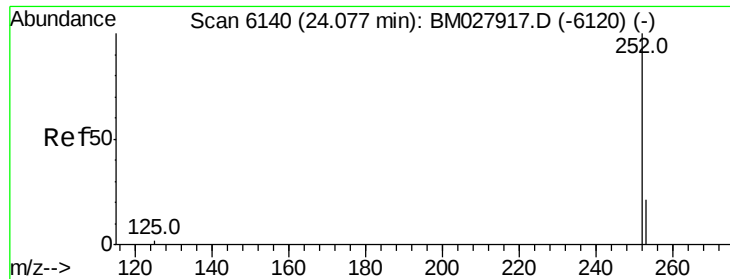


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 19.903 ng/ul

RT: 24.08 min Scan# 6142

Delta R.T. 0.01 min

Lab File: BM027924.D

Acq: 23 Nov 2020 21:38

Instrument :

BNA_M

ClientSampleId :

C0BF2DL

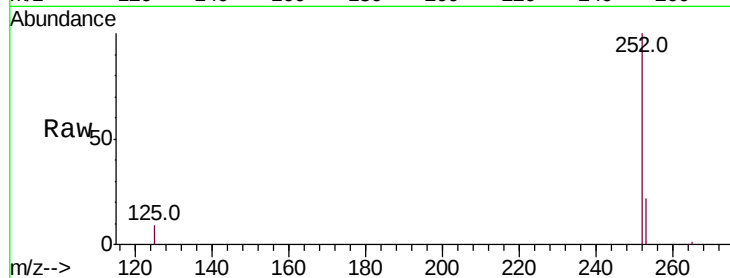
Tot Ion:252 Resp: 260357

Ion Ratio Lower Upper

252 100

253 22.2 25.2 37.8#

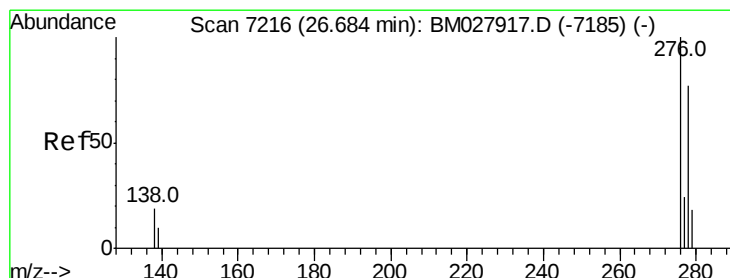
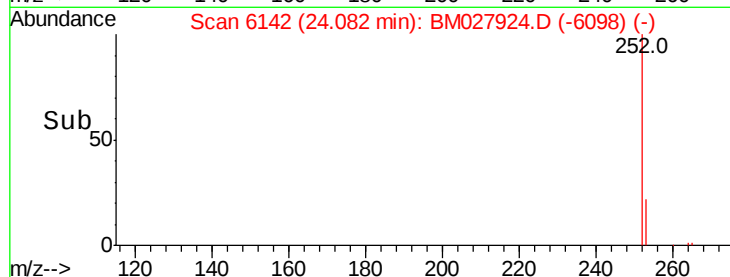
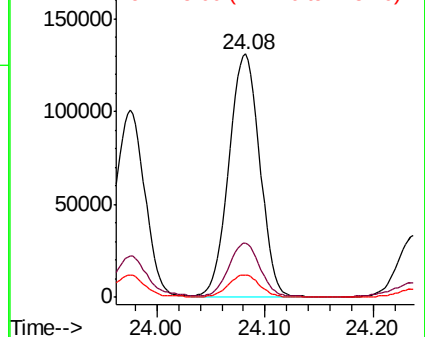
125 9.2 13.8 20.6#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 12.753 ng/ul

RT: 26.69 min Scan# 7217

Delta R.T. 0.00 min

Lab File: BM027924.D

Acq: 23 Nov 2020 21:38

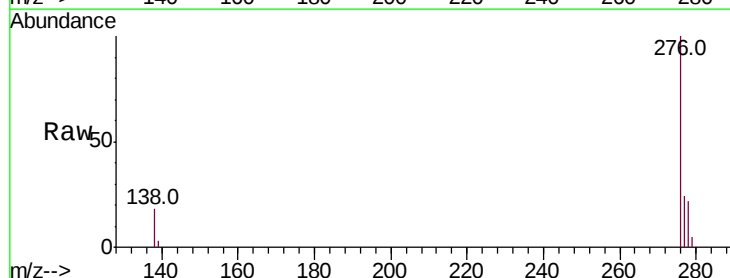
Tgt Ion:276 Resp: 180620

Ion Ratio Lower Upper

276 100

138 17.7 15.7 23.5

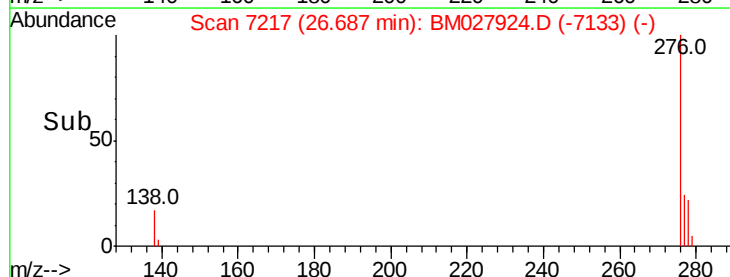
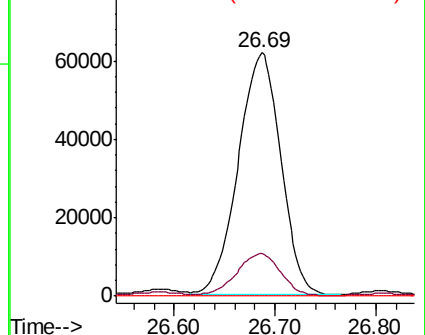
227 0.0 0.0 0.0

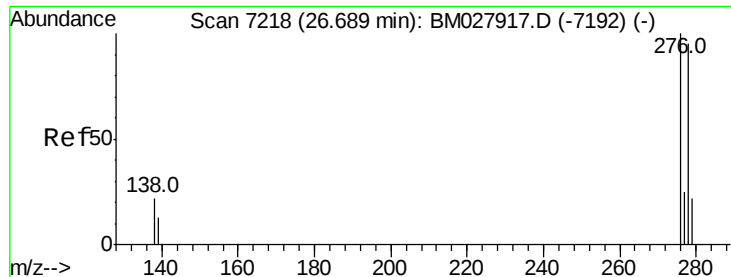


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 1.180 ng/ul

RT: 26.81 min Scan# 7266

Delta R.T. 0.12 min

Lab File: BM027924.D

Acq: 23 Nov 2020 21:38

Instrument :

BNA_M

ClientSampleId :

C0BF2DL

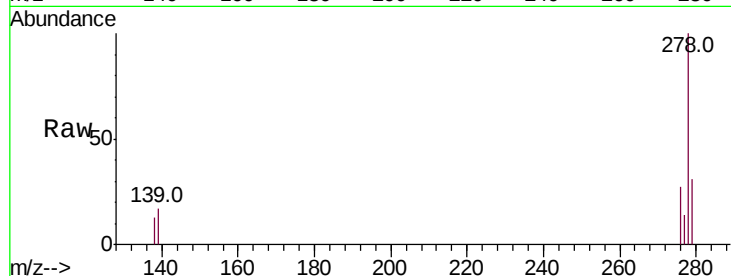
Tot Ion:278 Resp: 13921

Ion Ratio Lower Upper

278 100

139 17.2 14.8 22.2

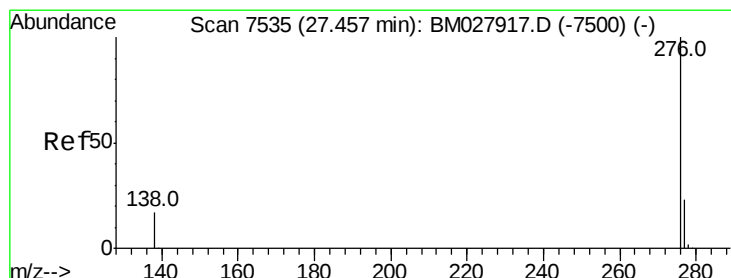
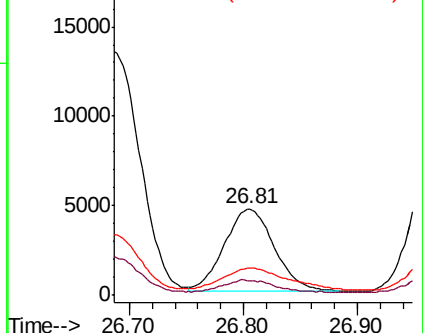
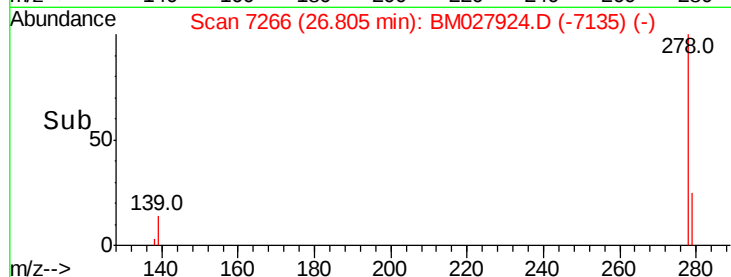
279 31.0 25.8 38.6



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



#26

Benzo(g,h,i)perylene

Concen: 14.707 ng/ul

RT: 27.46 min Scan# 7537

Delta R.T. 0.01 min

Lab File: BM027924.D

Acq: 23 Nov 2020 21:38

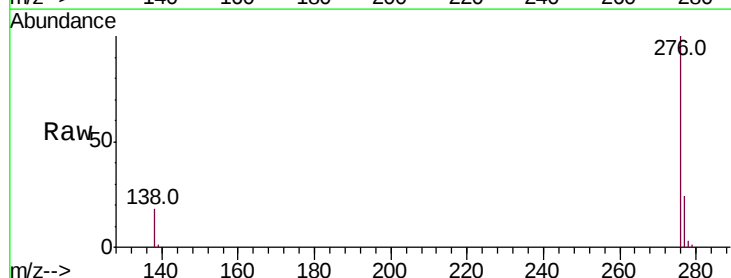
Tgt Ion:276 Resp: 174766

Ion Ratio Lower Upper

276 100

138 17.9 17.4 26.2

277 24.2 22.5 33.7



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

