

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\
 Data File : BM027951.D
 Acq On : 24 Nov 2020 20:09
 Operator : JU/CG
 Sample : L4749-18
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0B17

Quant Time: Nov 25 00:50:13 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 15:00:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.32	152	920	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	3469	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	1842	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	3054	0.40	ng/ul	0.00
16) Chrysene-d12	21.77	240	2125	0.40	ng/ul	0.00
20) Perylene-d12	24.19	264	2967	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.72	152	830	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	1139	0.14	ng/ul	0.00

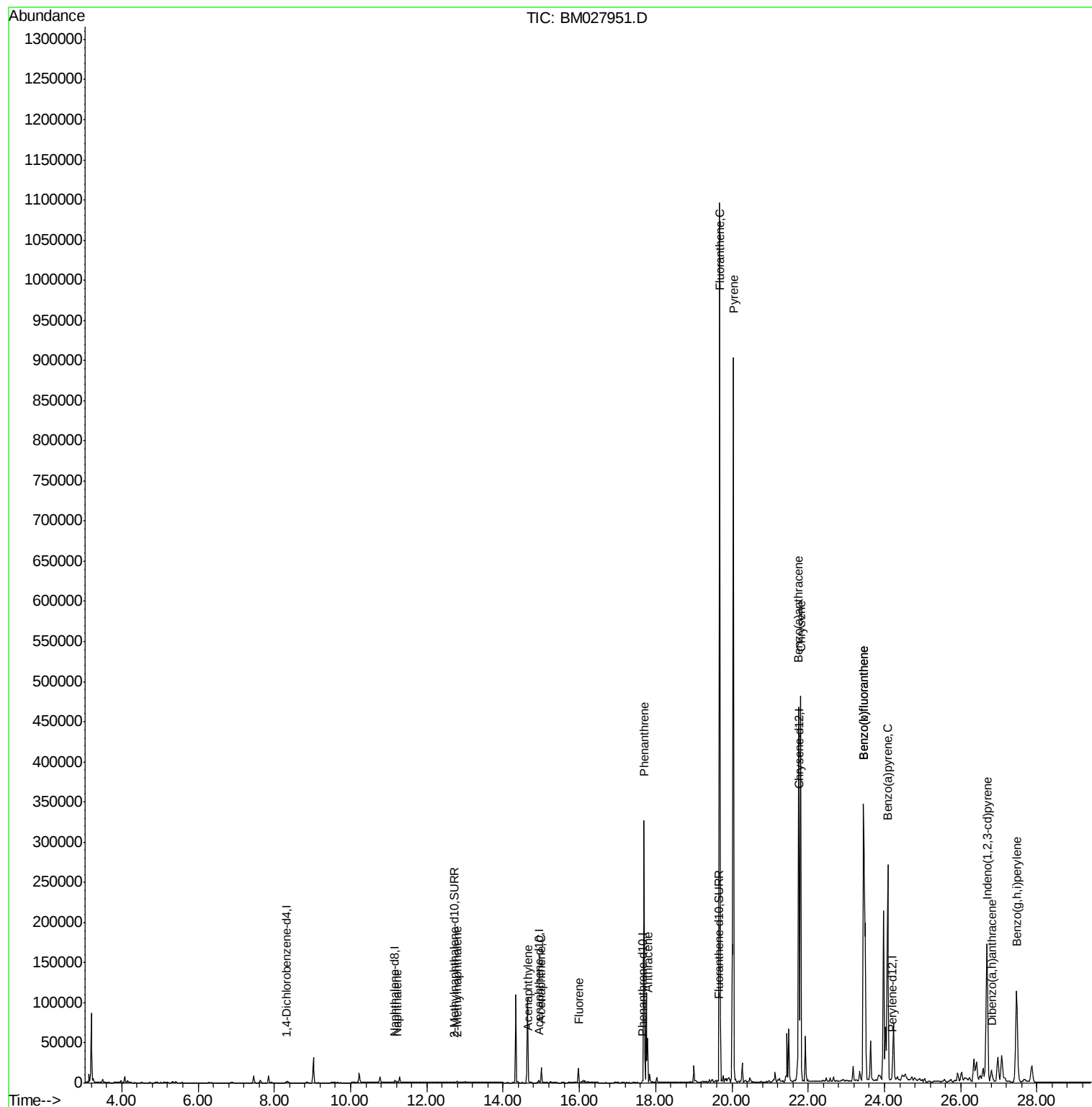
Target Compounds						Ovalue
3) Naphthalene	11.21	128	2827	0.272	ng/ul	97
5) 2-Methylnaphthalene	12.79	142	1215	0.172	ng/ul	99
7) Acenaphthylene	14.67	152	2134	0.237	ng/ul#	93
8) Acenaphthene	15.00	153	10460	1.553	ng/ul	99
9) Fluorene	15.98	166	11013	1.410	ng/ul	99
12) Phenanthrene	17.70	178	335717	34.799	ng/ul	96
13) Anthracene	17.79	178	56958	6.121	ng/ul	98
15) Fluoranthene	19.68	202	928445	86.796	ng/ul	98
17) Pyrene	20.04	202	754010	69.866	ng/ul	97
18) Benzo(a)anthracene	21.75	228	411788	48.029	ng/ul	100
19) Chrysene	21.81	228	492203	58.938	ng/ul	99
21) Benzo(b)fluoranthene	23.45	252	873092	70.020	ng/ul	87
22) Benzo(k)fluoranthene	23.45	252	873046	71.497	ng/ul#	88
23) Benzo(a)pyrene	24.08	252	390951	35.860	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.69	276	299921	25.409	ng/ul#	97
25) Dibenzo(a,h)anthracene	26.81	278	22497	2.289	ng/ul	98
26) Benzo(a,h,i)perylene	27.47	276	261494	26.404	ng/ul	92

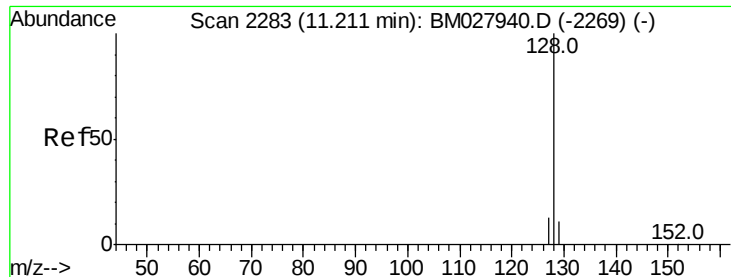
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.272 ng/ul

RT: 11.21 min Scan# 2283

Delta R.T. 0.00 min

Lab File: BM027951.D

Acq: 24 Nov 2020 20:09

Instrument :

BNA_M

ClientSampleId :

C0B17

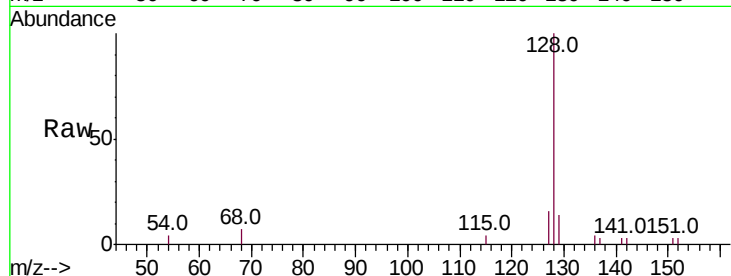
Tot Ion:128 Resp: 2827

Ion Ratio Lower Upper

128 100

129 13.8 10.4 15.6

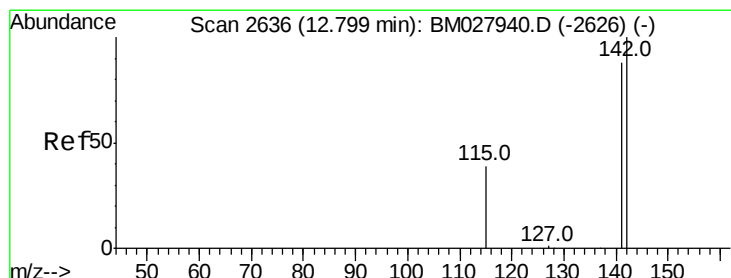
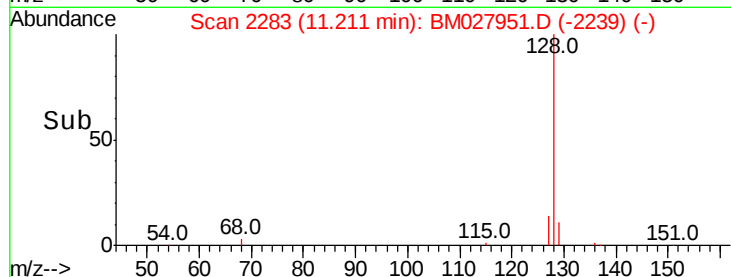
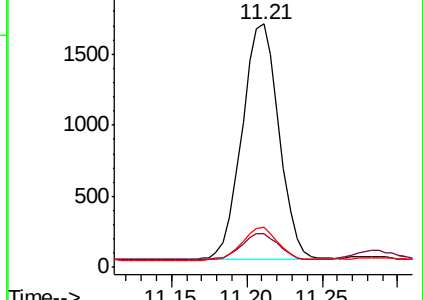
127 16.5 12.0 18.0



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: 0.172 ng/ul

RT: 12.79 min Scan# 2635

Delta R.T. -0.00 min

Lab File: BM027951.D

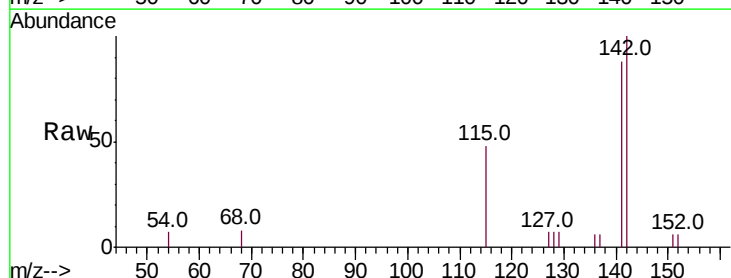
Acq: 24 Nov 2020 20:09

Tgt Ion:142 Resp: 1215

Ion Ratio Lower Upper

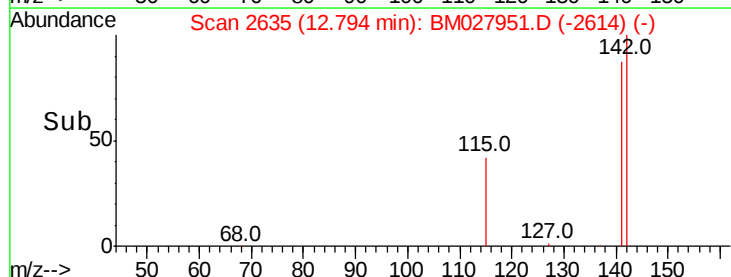
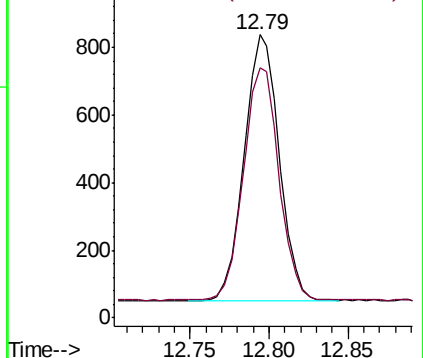
142 100

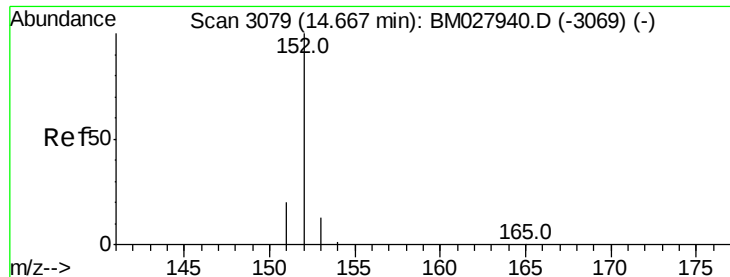
141 88.8 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.237 ng/ul

RT: 14.67 min Scan# 3079

Delta R.T. 0.00 min

Lab File: BM027951.D

Acq: 24 Nov 2020 20:09

Instrument :

BNA_M

ClientSampleId :

C0B17

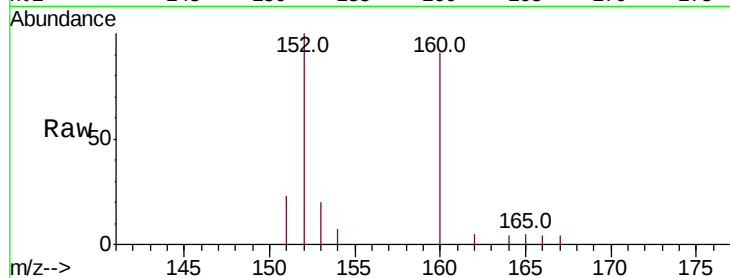
Tot Ion:152 Resp: 2134

Ion Ratio Lower Upper

152 100

151 23.3 17.1 25.7

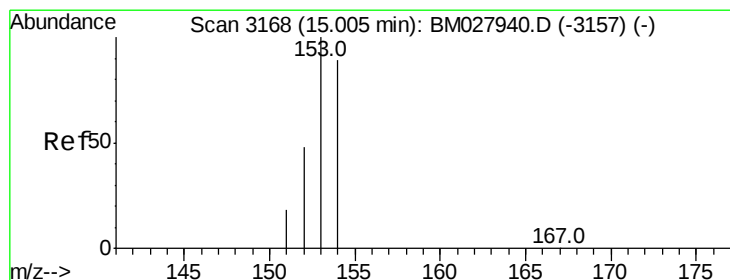
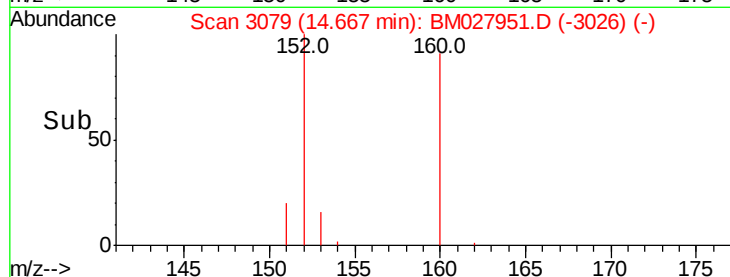
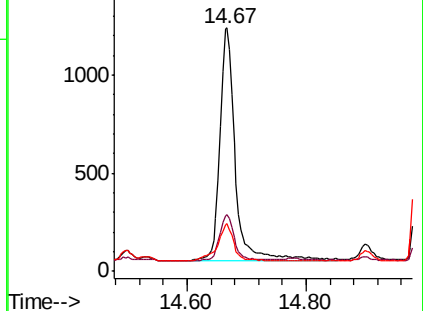
153 19.5 12.0 18.0#



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: 1.553 ng/ul

RT: 15.00 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BM027951.D

Acq: 24 Nov 2020 20:09

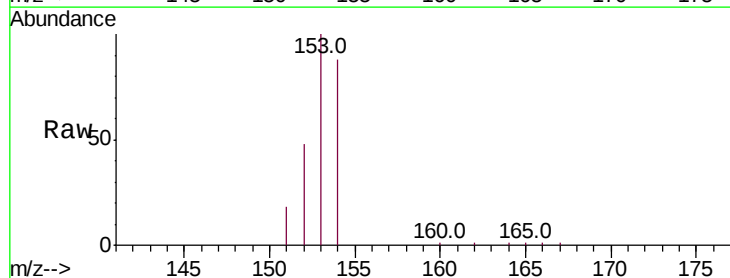
Tgt Ion:153 Resp: 10460

Ion Ratio Lower Upper

153 100

152 48.3 39.0 58.6

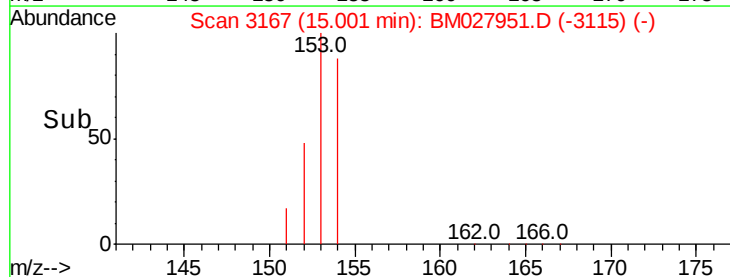
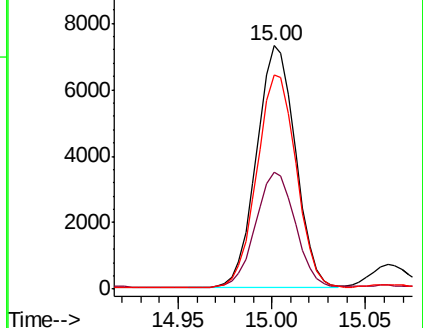
154 88.0 71.6 107.4

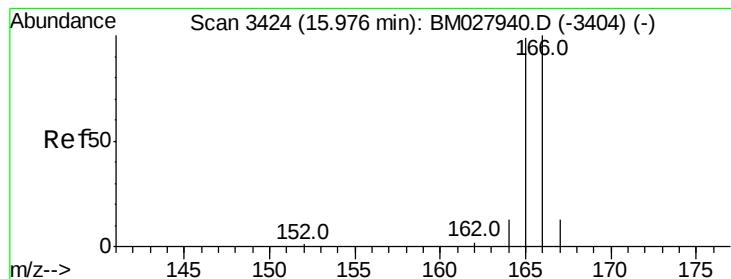


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.410 ng/ul

RT: 15.98 min Scan# 3424

Delta R.T. 0.00 min

Lab File: BM027951.D

Acq: 24 Nov 2020 20:09

Instrument :

BNA_M

ClientSampleId :

C0B17

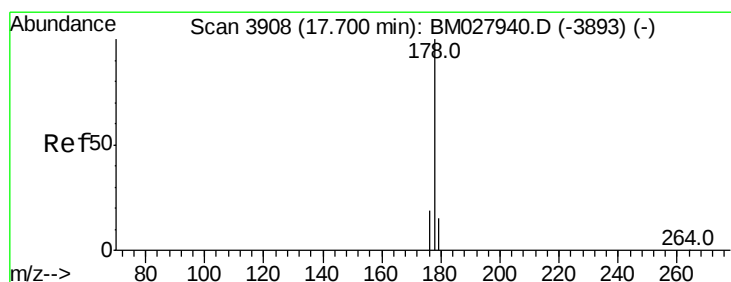
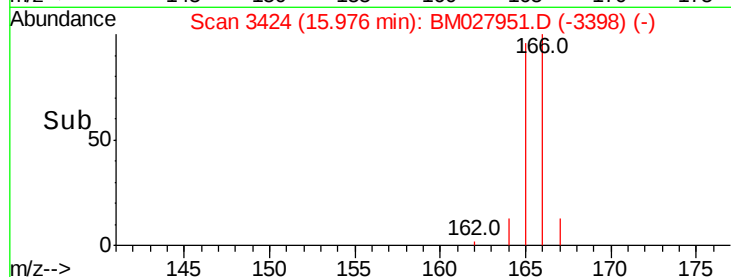
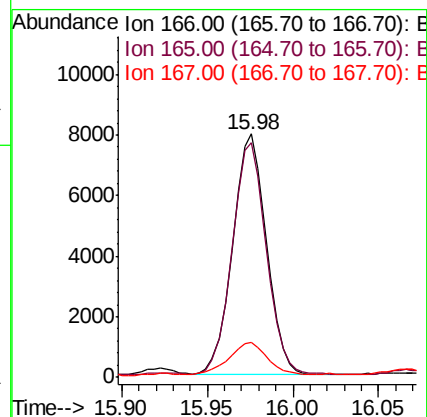
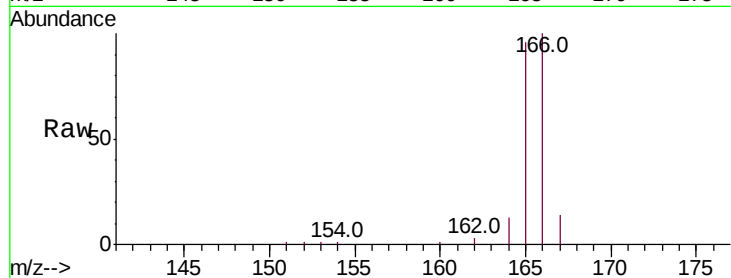
Tot Ion:166 Resp: 11013

Ion Ratio Lower Upper

166 100

165 96.4 78.1 117.1

167 14.3 11.8 17.8



#12

Phenanthrene

Concen: 34.799 ng/ul

RT: 17.70 min Scan# 3908

Delta R.T. 0.00 min

Lab File: BM027951.D

Acq: 24 Nov 2020 20:09

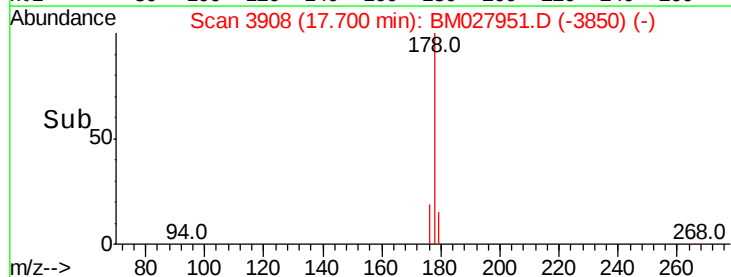
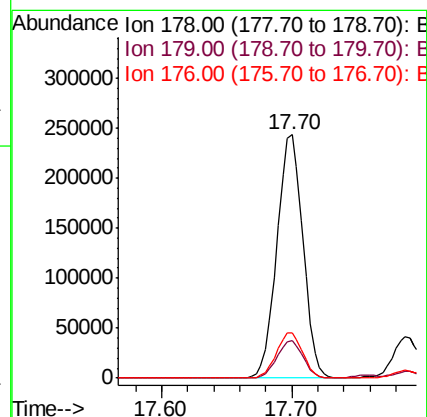
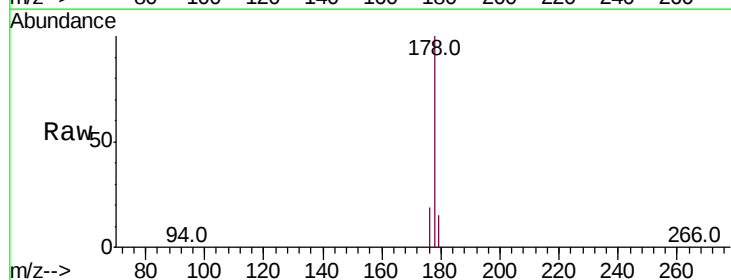
Tgt Ion:178 Resp: 335717

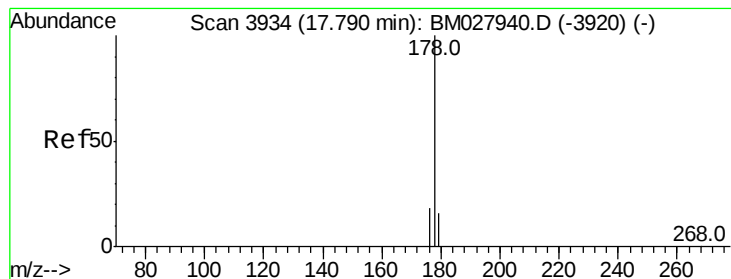
Ion Ratio Lower Upper

178 100

179 15.4 13.6 20.4

176 18.6 16.1 24.1





#13

Anthracene

Concen: 6.121 ng/ul

RT: 17.79 min Scan# 3933

Delta R.T. -0.00 min

Lab File: BM027951.D

Acq: 24 Nov 2020 20:09

Instrument :

BNA_M

ClientSampleId :

C0B17

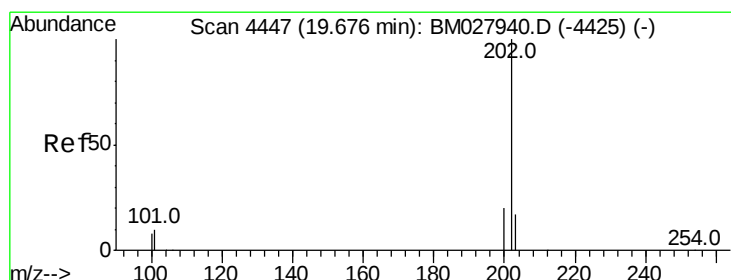
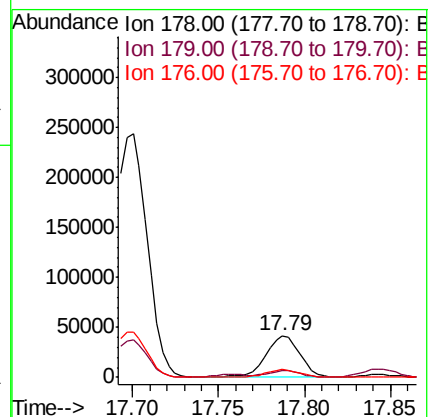
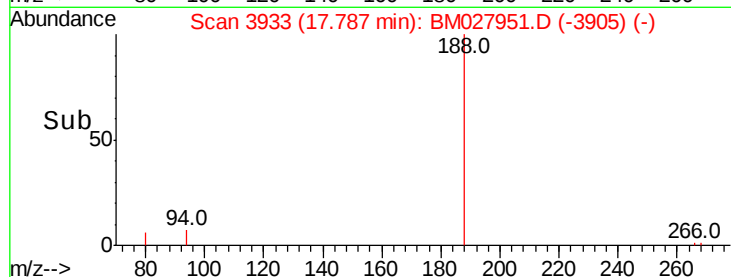
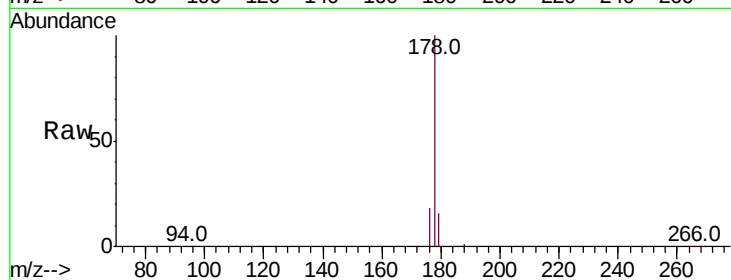
Tot Ion:178 Resp: 56958

Ion Ratio Lower Upper

178 100

179 15.6 13.4 20.2

176 18.1 15.0 22.6



#15

Fluoranthene

Concen: 86.796 ng/ul

RT: 19.68 min Scan# 4448

Delta R.T. 0.00 min

Lab File: BM027951.D

Acq: 24 Nov 2020 20:09

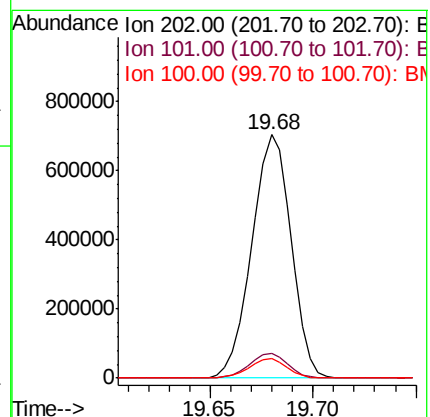
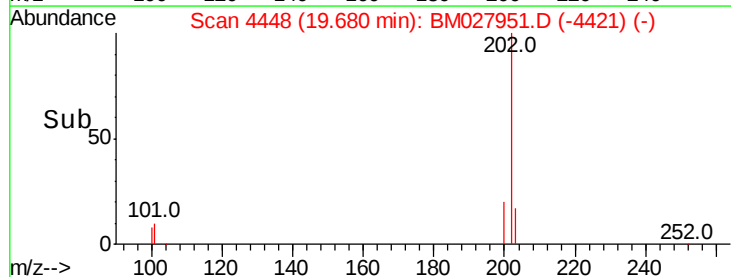
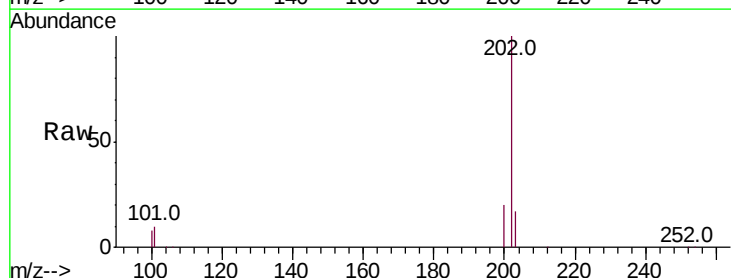
Tgt Ion:202 Resp: 928445

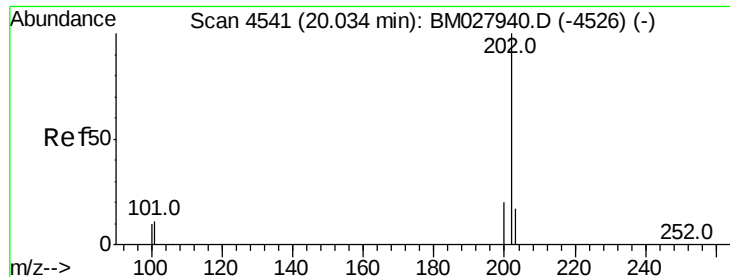
Ion Ratio Lower Upper

202 100

101 10.1 0.0 29.3

100 7.8 0.0 27.4

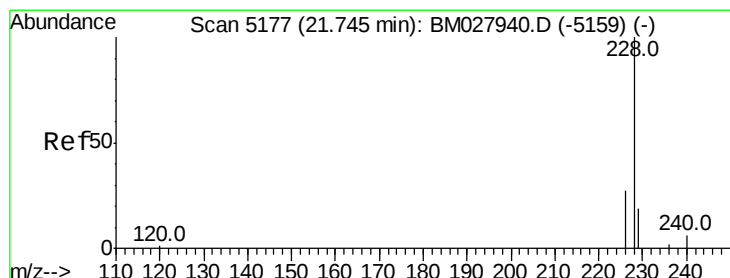
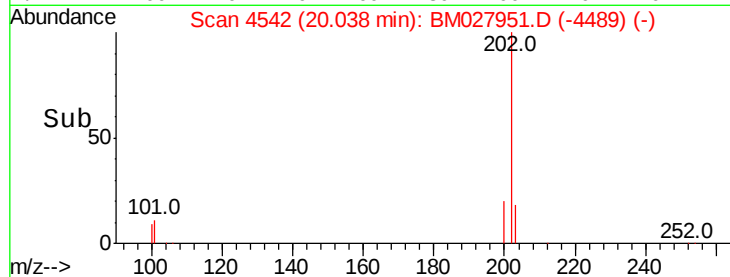
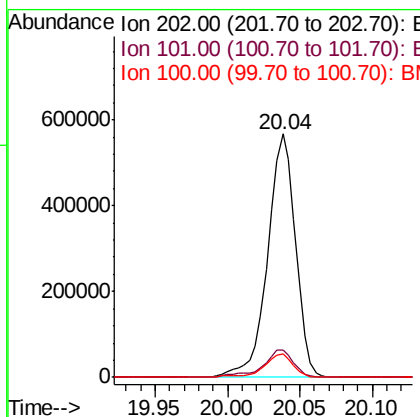
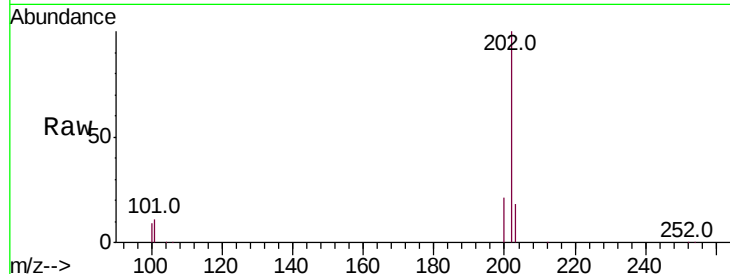




#17
Pvrene
Concen: 69.866 ng/ul
RT: 20.04 min Scan# 4542
Delta R.T. 0.00 min
Lab File: BM027951.D
Acq: 24 Nov 2020 20:09

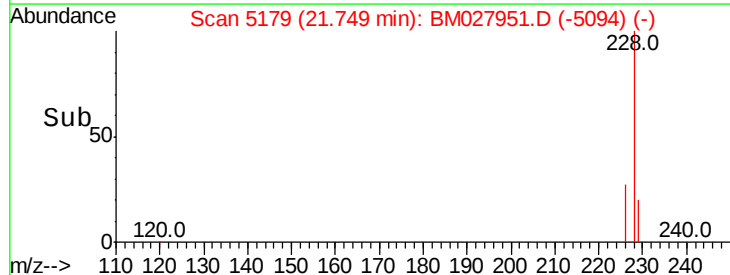
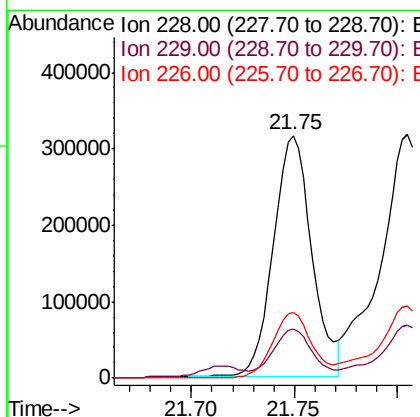
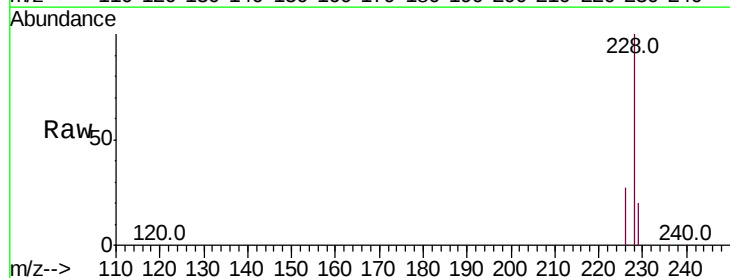
Instrument :
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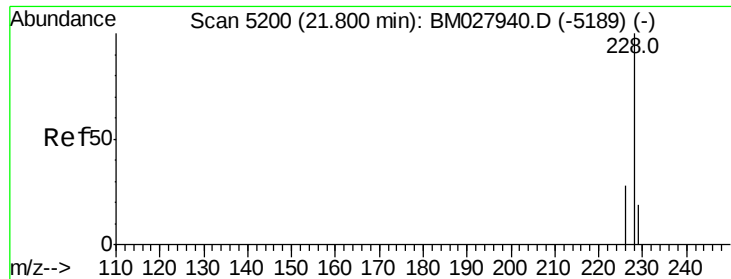
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.2	12.2
100	9.5	6.9	10.3



#18
Benzo(a)anthracene
Concen: 48.029 ng/ul
RT: 21.75 min Scan# 5179
Delta R.T. 0.00 min
Lab File: BM027951.D
Acq: 24 Nov 2020 20:09

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	16.2	24.4
226	27.0	21.5	32.3





#19

Chrysene

Concen: 58.938 ng/ul

RT: 21.81 min Scan# 5202

Delta R.T. 0.00 min

Lab File: BM027951.D

Acq: 24 Nov 2020 20:09

Instrument :

BNA_M

ClientSampleId :

C0B17

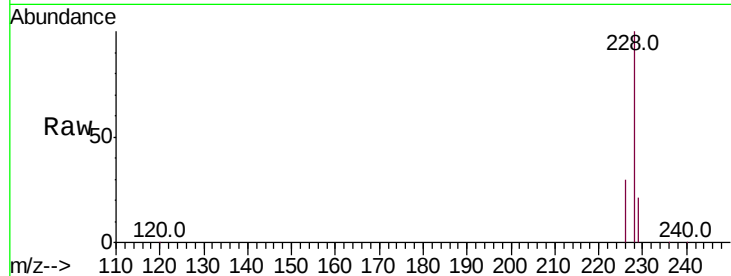
Tot Ion:228 Resp: 492203

Ion Ratio Lower Upper

228 100

226 29.6 24.1 36.1

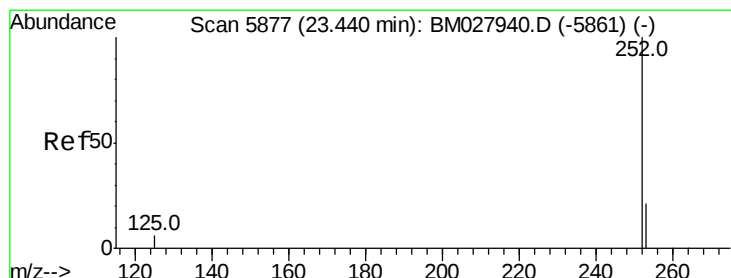
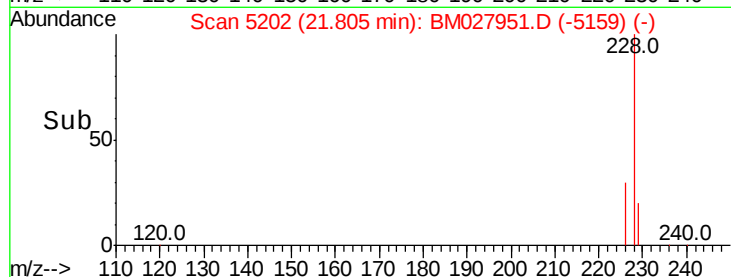
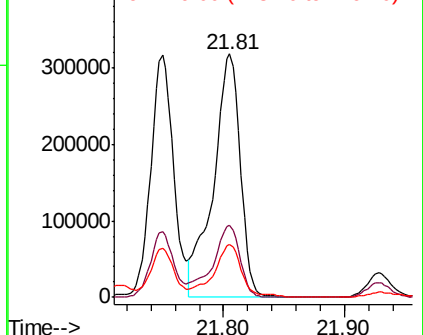
229 21.5 16.6 24.8



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



#21

Benzo(b)fluoranthene

Concen: 70.020 ng/ul

RT: 23.45 min Scan# 5883

Delta R.T. 0.01 min

Lab File: BM027951.D

Acq: 24 Nov 2020 20:09

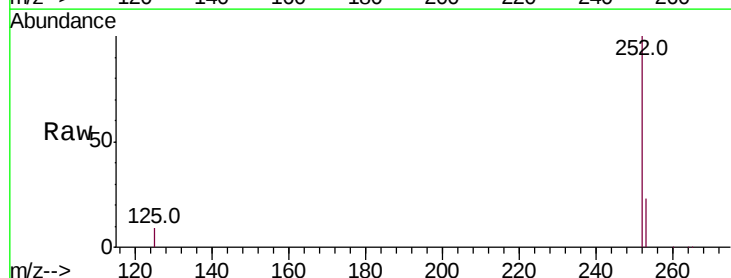
Tgt Ion:252 Resp: 873092

Ion Ratio Lower Upper

252 100

253 22.7 0.0 59.6

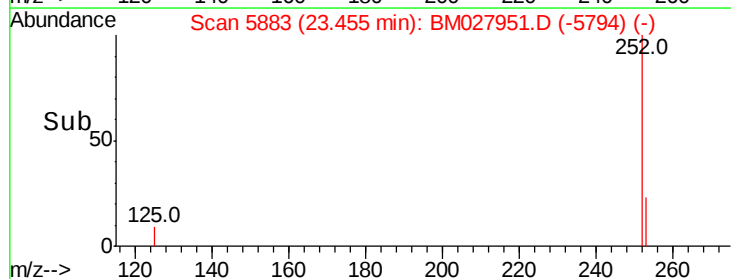
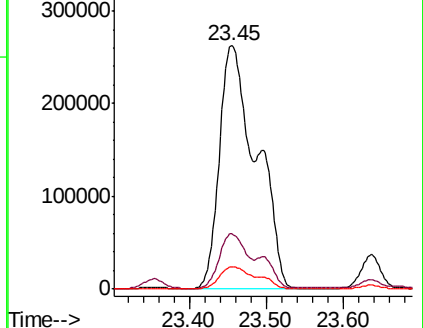
125 9.2 0.0 28.4

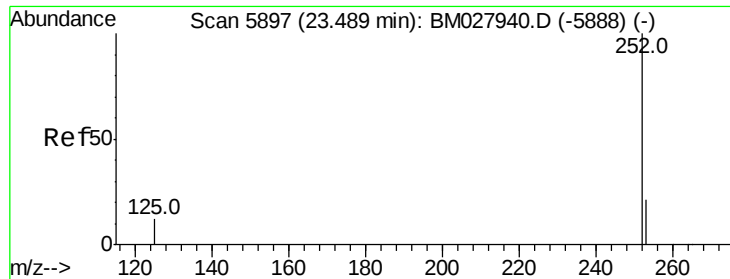


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 71.497 ng/ul

RT: 23.45 min Scan# 5883

Delta R.T. -0.03 min

Lab File: BM027951.D

Acq: 24 Nov 2020 20:09

Instrument :

BNA_M

ClientSampleId :

C0B17

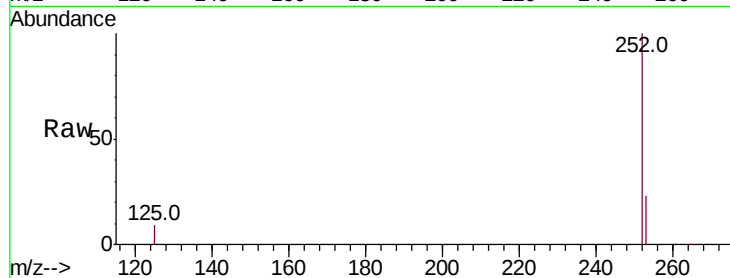
Tot Ion:252 Resp: 873046

Ion Ratio Lower Upper

252 100

253 22.7 23.2 34.8#

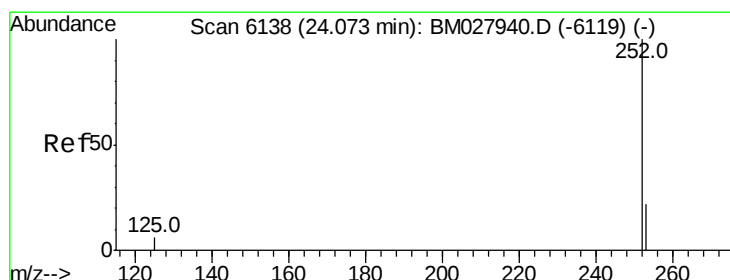
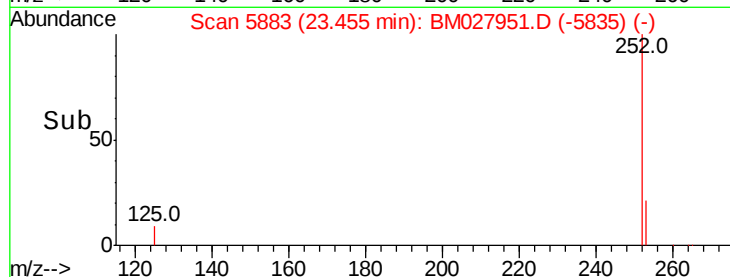
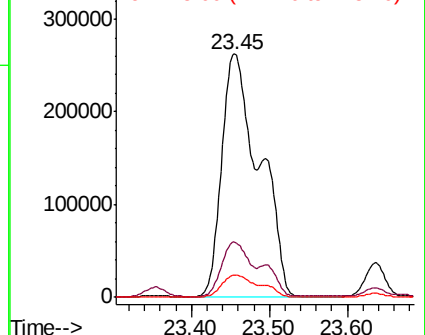
125 9.2 11.8 17.6#



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: 35.860 ng/ul

RT: 24.08 min Scan# 6143

Delta R.T. 0.01 min

Lab File: BM027951.D

Acq: 24 Nov 2020 20:09

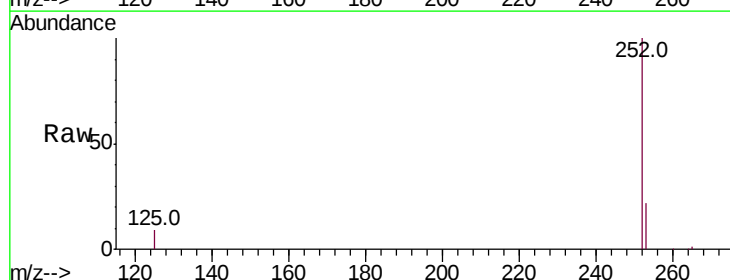
Tgt Ion:252 Resp: 390951

Ion Ratio Lower Upper

252 100

253 22.4 25.2 37.8#

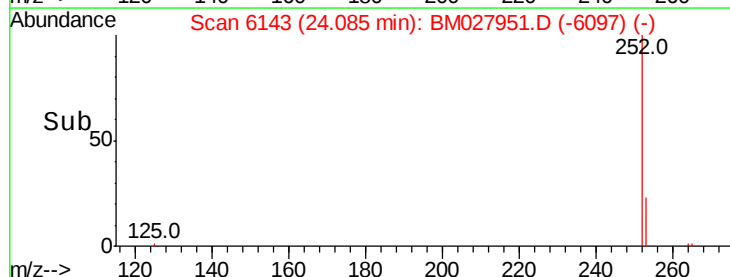
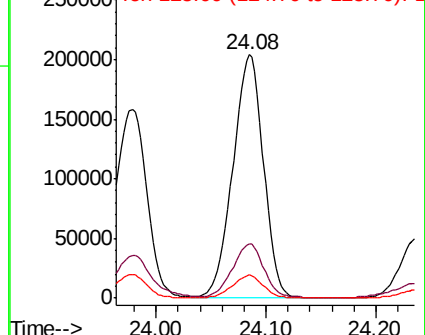
125 9.4 13.8 20.6#

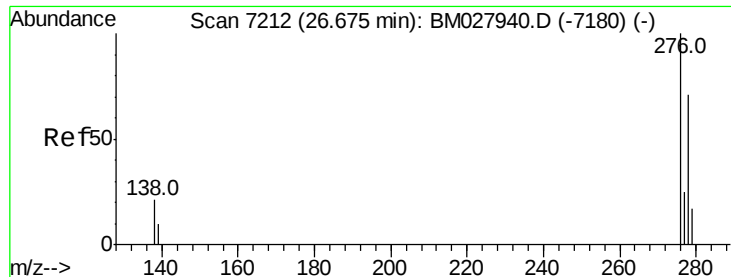


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



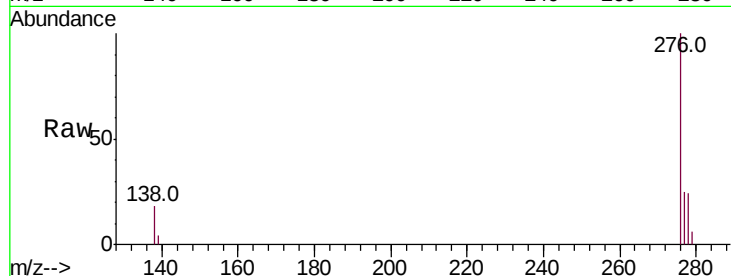


#24

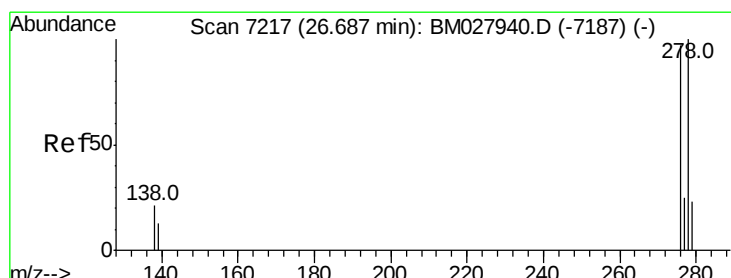
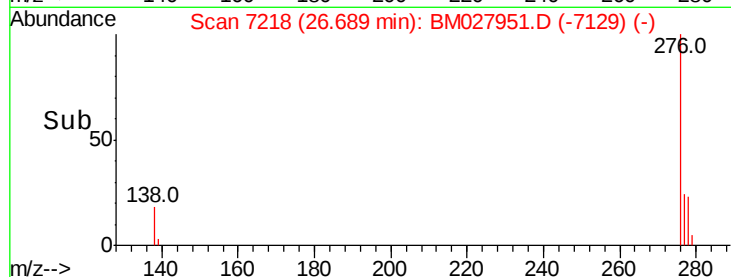
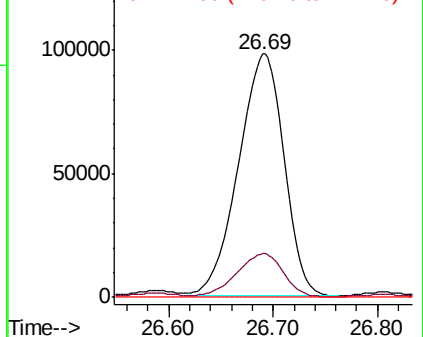
Indeno(1,2,3-cd)pyrene
Concen: 25.409 ng/u1
RT: 26.69 min Scan# 7218
Delta R.T. 0.01 min
Lab File: BM027951.D
Acq: 24 Nov 2020 20:09

Instrument :
BNA_M
ClientSampleId :
C0B17

Tot Ion:276 Resp: 299921
Ion Ratio Lower Upper
276 100
138 18.0 15.7 23.5
227 0.0 0.0 0.0



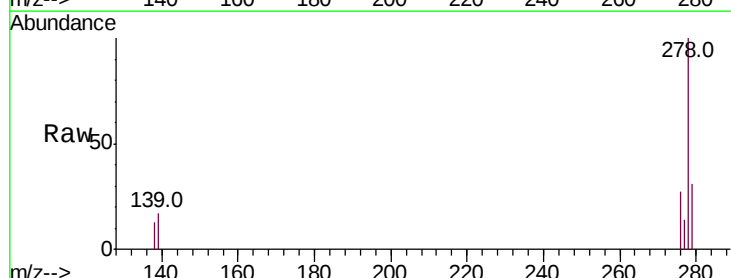
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



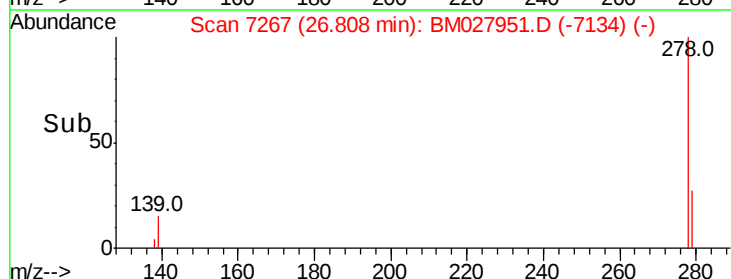
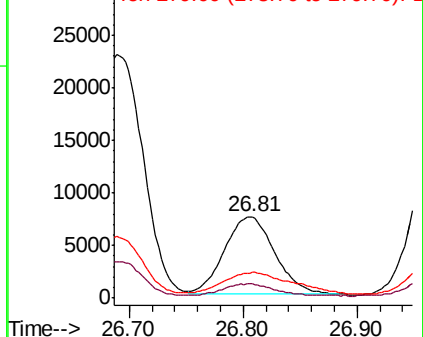
#25

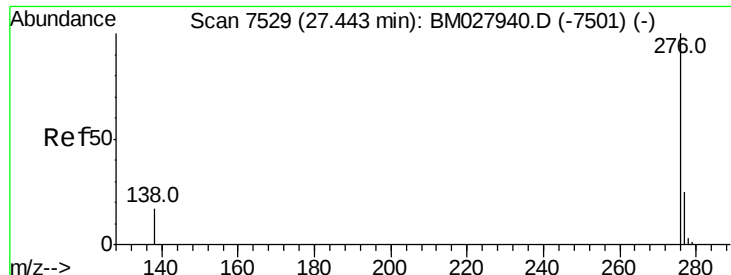
Dibenzo(a,h)anthracene
Concen: 2.289 ng/u1
RT: 26.81 min Scan# 7267
Delta R.T. 0.12 min
Lab File: BM027951.D
Acq: 24 Nov 2020 20:09

Tgt Ion:278 Resp: 22497
Ion Ratio Lower Upper
278 100
139 17.3 14.8 22.2
279 31.5 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(a,h,i)perylene

Concen: 26.404 ng/ul

RT: 27.47 min Scan# 7539

Delta R.T. 0.02 min

Lab File: BM027951.D

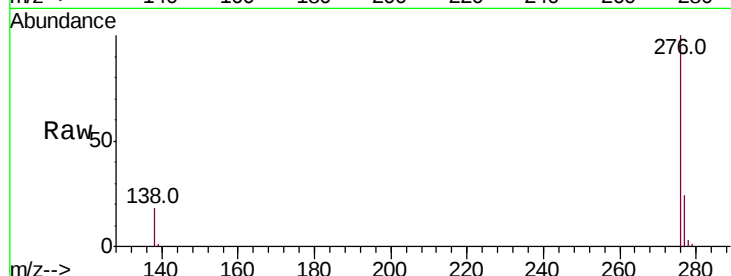
Acq: 24 Nov 2020 20:09

Instrument :

BNA_M

ClientSampleId :

C0B17



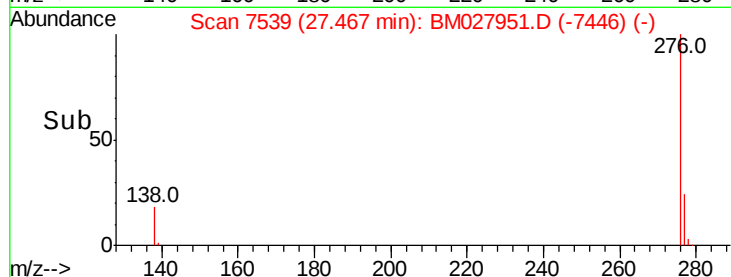
Tot Ion:276 Resp: 261494

Ion Ratio Lower Upper

276 100

138 18.2 17.4 26.2

277 24.1 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

