

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\
 Data File : BM027949.D
 Acq On : 24 Nov 2020 18:57
 Operator : JU/CG
 Sample : L4749-17
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0B16

Quant Time: Nov 25 00:50:01 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

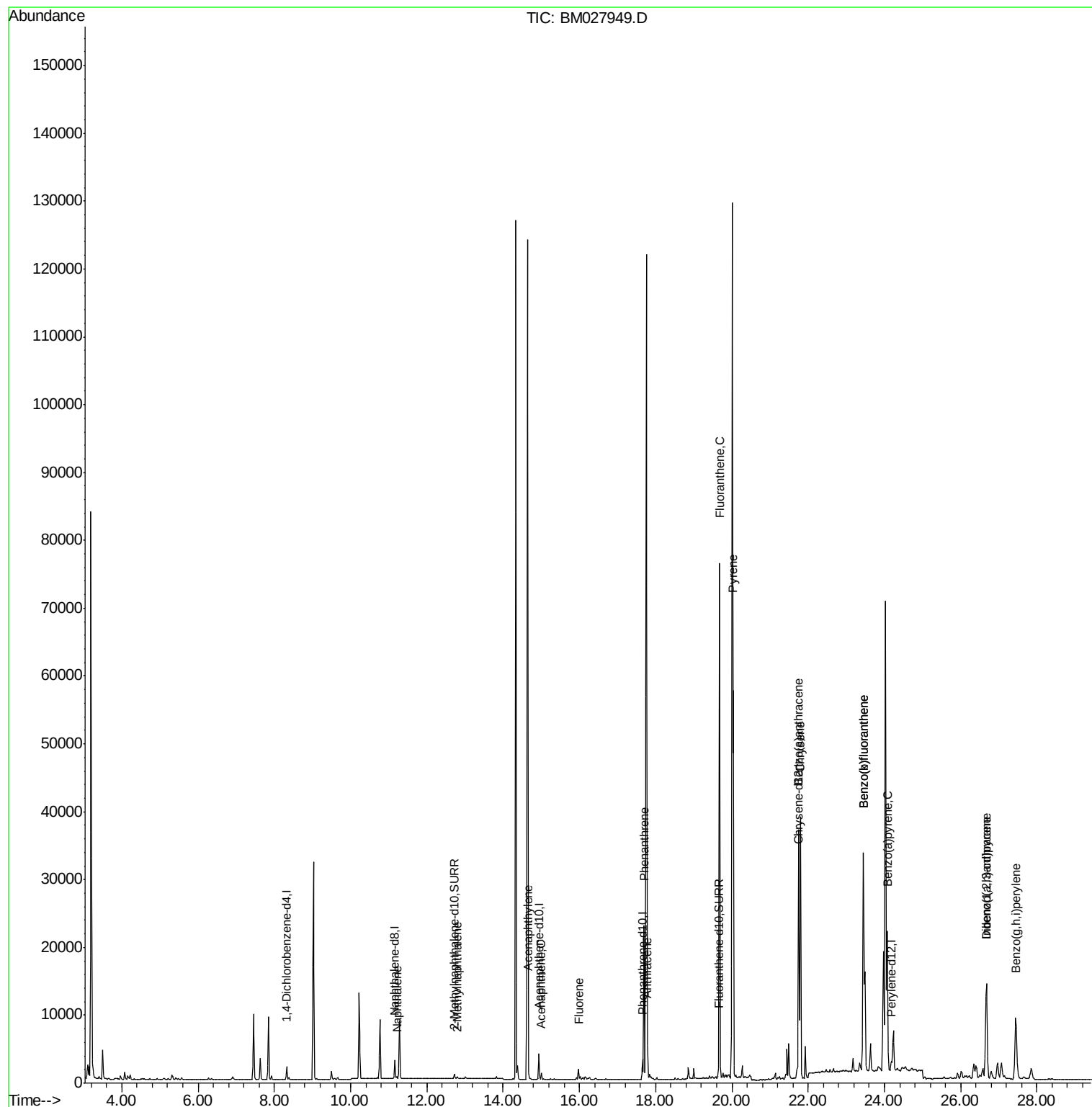
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.32	152	914	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	3642	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2063	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	3463	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	2031	0.40	ng/ul	0.00
20) Perylene-d12	24.18	264	1919	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.72	152	912	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	1293	0.14	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.21	128	380	0.035	ng/ul#	66
5) 2-Methylnaphthalene	12.80	142	220	0.030	ng/ul	99
7) Acenaphthylene	14.67	152	617	0.061	ng/ul#	79
8) Acenaphthene	15.00	153	541	0.072	ng/ul	95
9) Fluorene	15.98	166	986	0.113	ng/ul#	97
12) Phenanthrene	17.70	178	23405	2.140	ng/ul	97
13) Anthracene	17.79	178	4757	0.451	ng/ul	98
15) Fluoranthene	19.68	202	64702	5.334	ng/ul	99
17) Pyrene	20.03	202	55557	5.386	ng/ul	98
18) Benzo(a)anthracene	21.74	228	31639	3.861	ng/ul	100
19) Chrysene	21.80	228	39471	4.945	ng/ul	98
21) Benzo(b)fluoranthene	23.45	252	71715	8.892	ng/ul	89
22) Benzo(k)fluoranthene	23.45	252	71672	9.075	ng/ul#	89
23) Benzo(a)pyrene	24.07	252	29100	4.127	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	26.67	276	24300	3.183	ng/ul#	96
25) Dibenzo(a,h)anthracene	26.67	278	6165	0.970	ng/ul	98
26) Benzo(a,h,i)perylene	27.45	276	20707	3.233	ng/ul	93

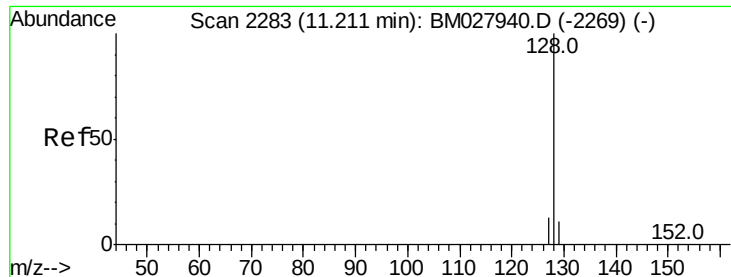
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Naphthalene

Concen: 0.035 ng/ul

RT: 11.21 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BM027949.D

Acq: 24 Nov 2020 18:57

Instrument :

BNA_M

ClientSampleId :

C0B16

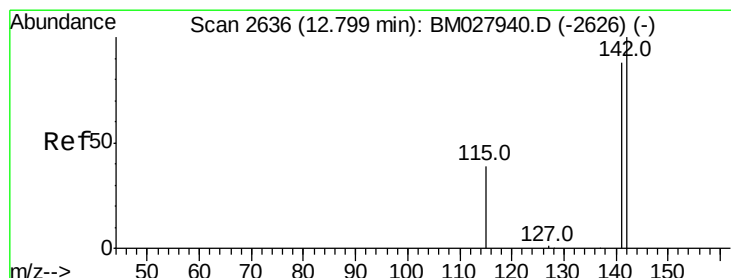
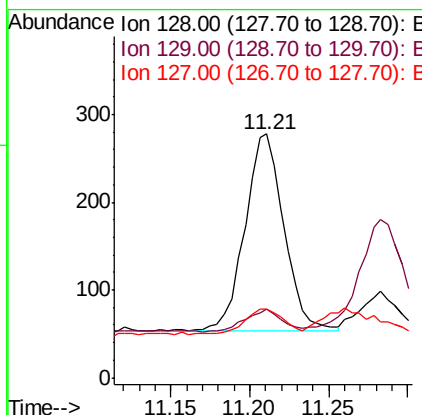
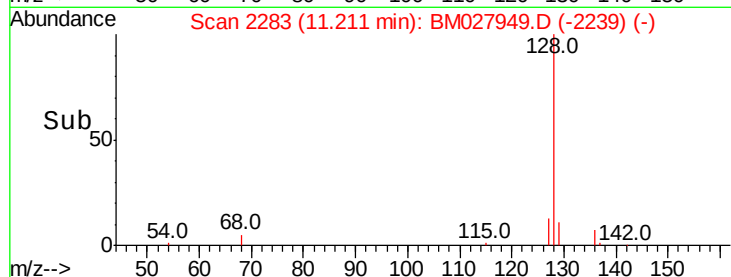
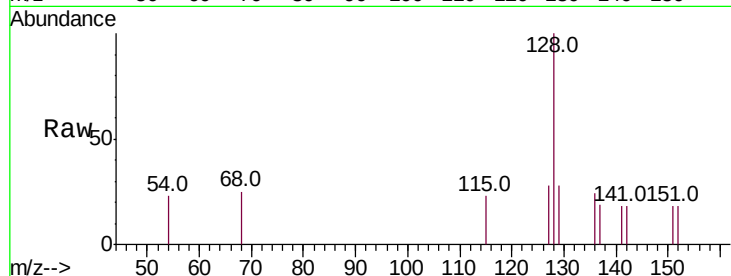
Tot Ion:128 Resp: 380

Ion Ratio Lower Upper

128 100

129 28.1 10.4 15.6#

127 28.1 12.0 18.0#



#5

2-Methylnaphthalene

Concen: 0.030 ng/ul

RT: 12.80 min Scan# 2636

Delta R.T. -0.00 min

Lab File: BM027949.D

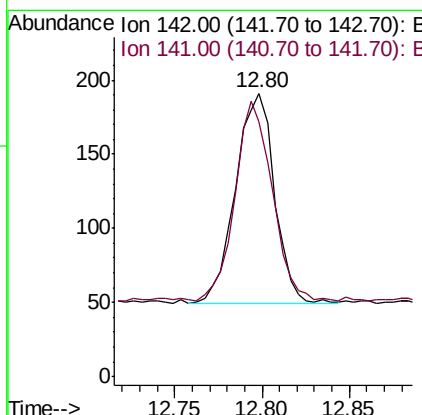
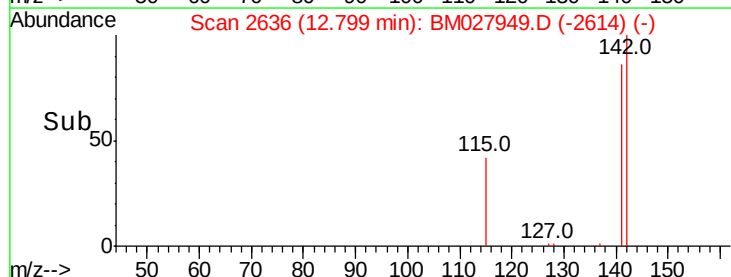
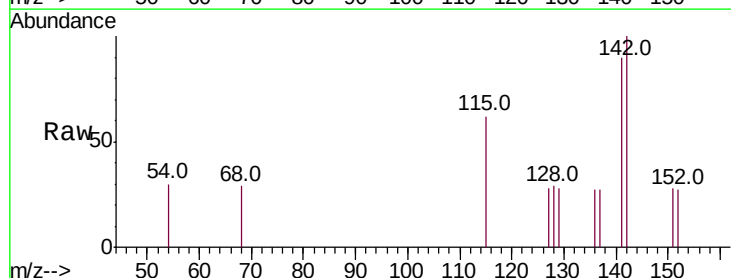
Acq: 24 Nov 2020 18:57

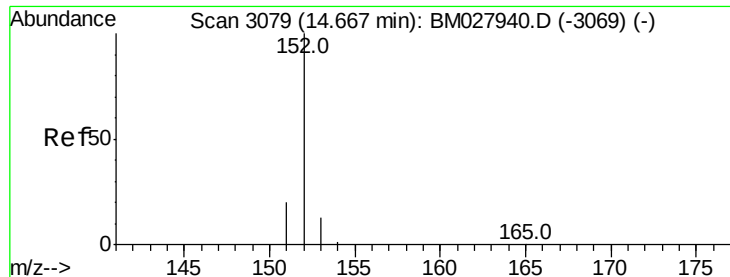
Tgt Ion:142 Resp: 220

Ion Ratio Lower Upper

142 100

141 90.5 71.6 107.4





#7

Acenaphthylene

Concen: 0.061 ng/ul

RT: 14.67 min Scan# 3079

Delta R.T. -0.00 min

Lab File: BM027949.D

Acq: 24 Nov 2020 18:57

Instrument :

BNA_M

ClientSampleId :

C0B16

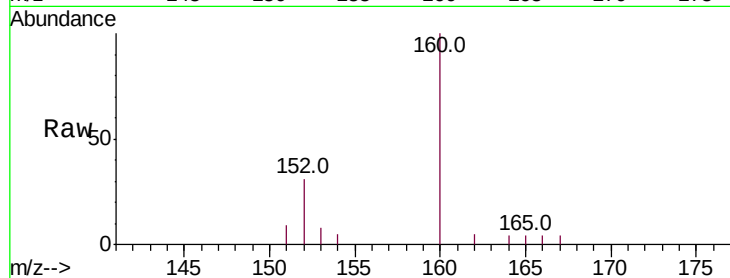
Tot Ion:152 Resp: 617

Ion Ratio Lower Upper

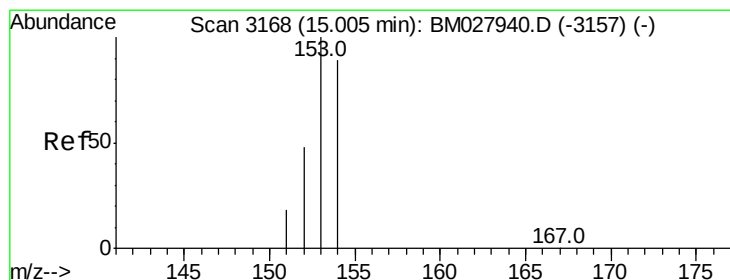
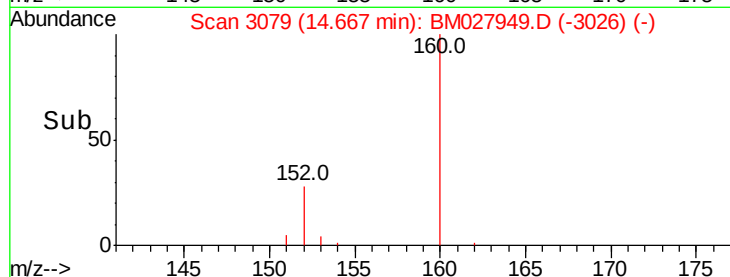
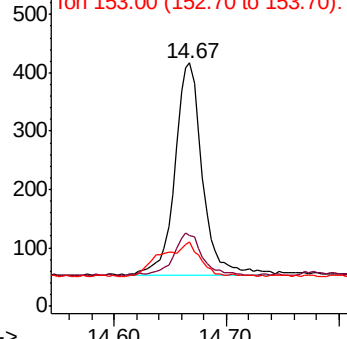
152 100

151 29.0 17.1 25.7#

153 26.1 12.0 18.0#



Abundance Ion 152.00 (151.70 to 152.70): E



#8

Acenaphthene

Concen: 0.072 ng/ul

RT: 15.00 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BM027949.D

Acq: 24 Nov 2020 18:57

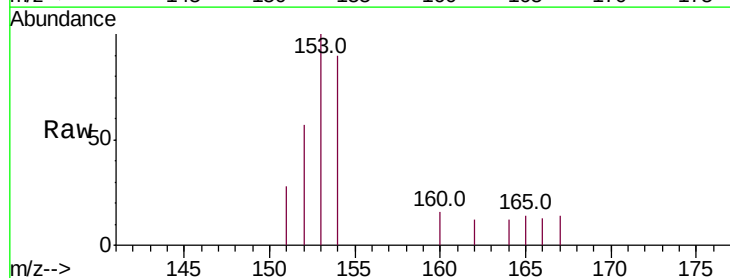
Tgt Ion:153 Resp: 541

Ion Ratio Lower Upper

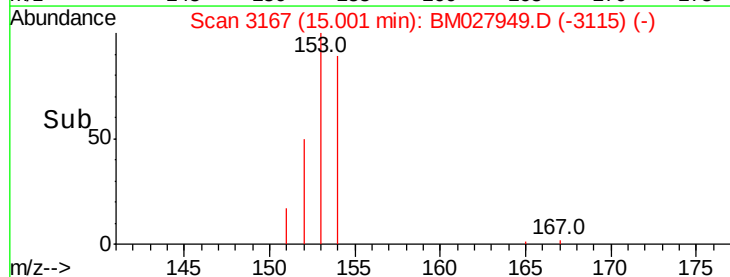
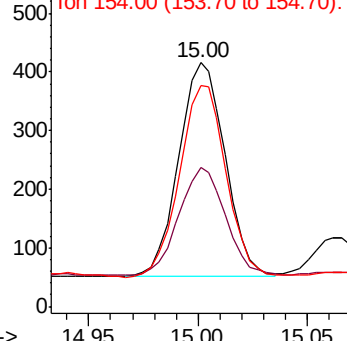
153 100

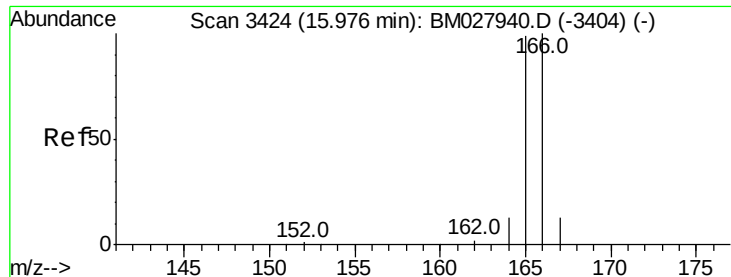
152 56.7 39.0 58.6

154 90.4 71.6 107.4



Abundance Ion 153.00 (152.70 to 153.70): E





#9

Fluorene

Concen: 0.113 ng/ul

RT: 15.98 min Scan# 3424

Delta R.T. -0.00 min

Lab File: BM027949.D

Acq: 24 Nov 2020 18:57

Instrument :

BNA_M

ClientSampleId :

C0B16

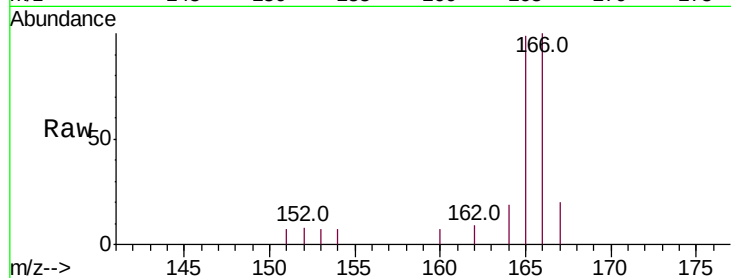
Tot Ion:166 Resp: 986

Ion Ratio Lower Upper

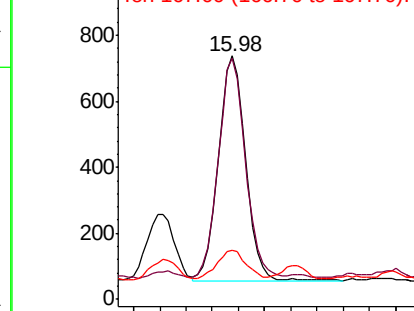
166 100

165 99.1 78.1 117.1

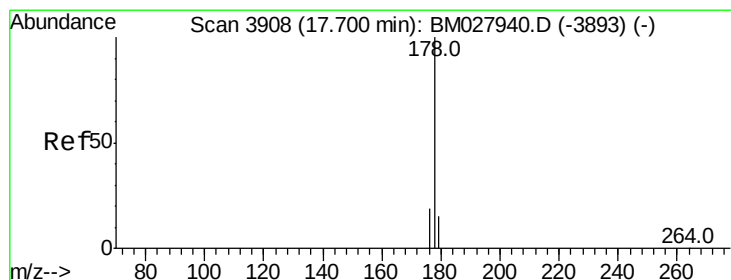
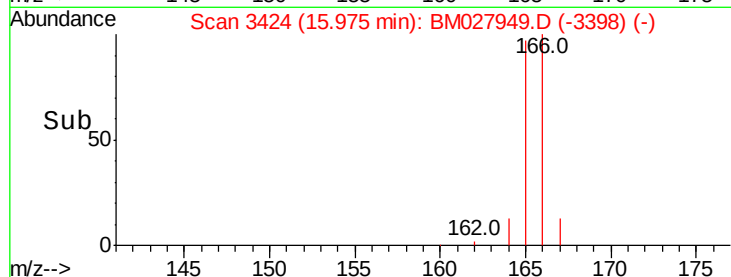
167 20.1 11.8 17.8#



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



Time-->



#12

Phenanthrene

Concen: 2.140 ng/ul

RT: 17.70 min Scan# 3907

Delta R.T. -0.00 min

Lab File: BM027949.D

Acq: 24 Nov 2020 18:57

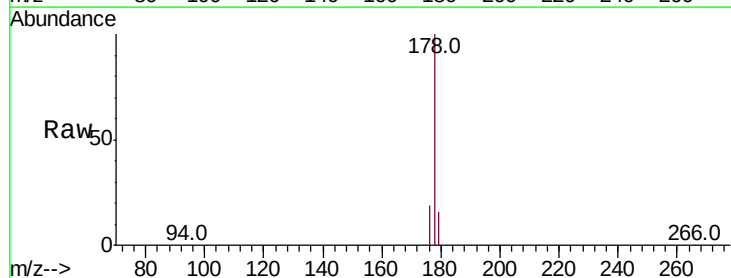
Tgt Ion:178 Resp: 23405

Ion Ratio Lower Upper

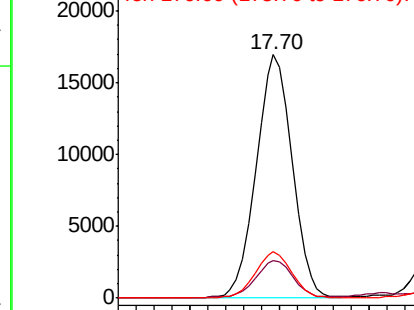
178 100

179 15.6 13.6 20.4

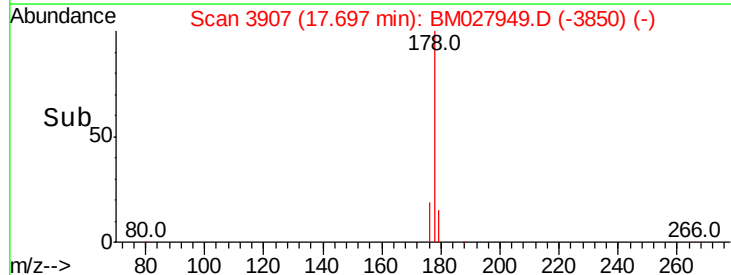
176 19.1 16.1 24.1

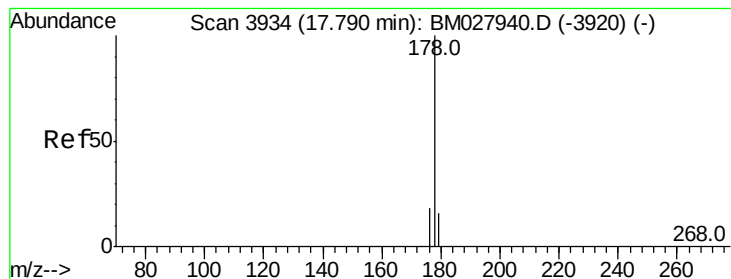


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->





#13

Anthracene

Concen: 0.451 ng/ul

RT: 17.79 min Scan# 3933

Delta R.T. -0.00 min

Lab File: BM027949.D

Acq: 24 Nov 2020 18:57

Instrument :

BNA_M

ClientSampleId :

C0B16

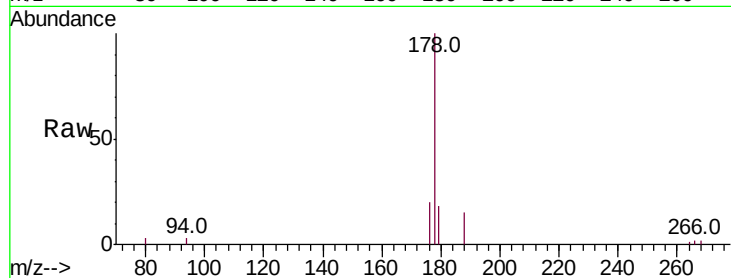
Tot Ion:178 Resp: 4757

Ion Ratio Lower Upper

178 100

179 17.8 13.4 20.2

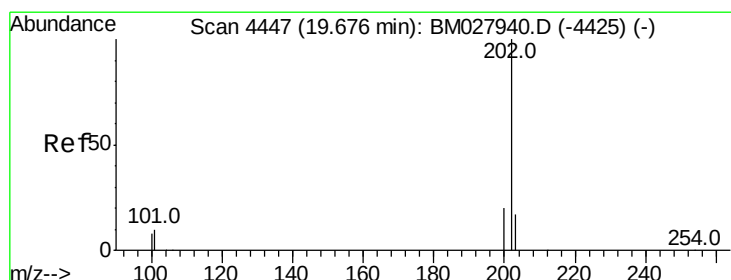
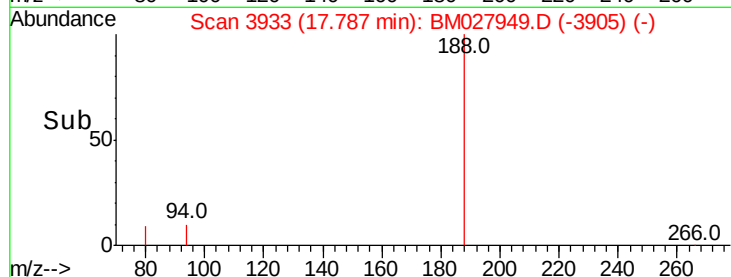
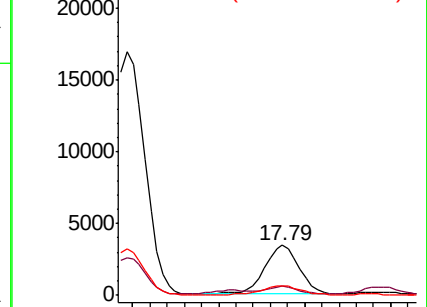
176 19.7 15.0 22.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 5.334 ng/ul

RT: 19.68 min Scan# 4447

Delta R.T. -0.00 min

Lab File: BM027949.D

Acq: 24 Nov 2020 18:57

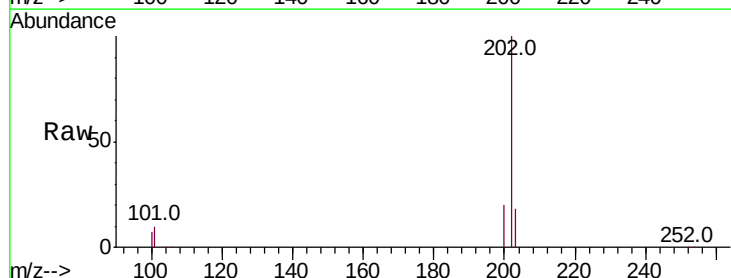
Tgt Ion:202 Resp: 64702

Ion Ratio Lower Upper

202 100

101 9.6 0.0 29.3

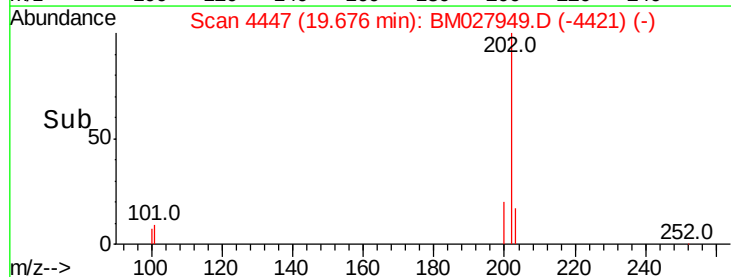
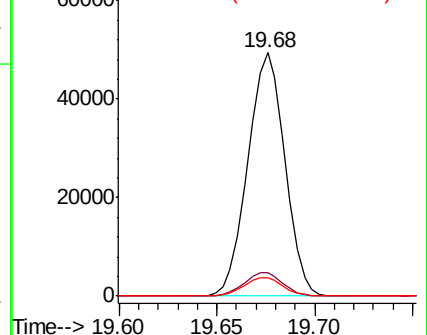
100 7.5 0.0 27.4

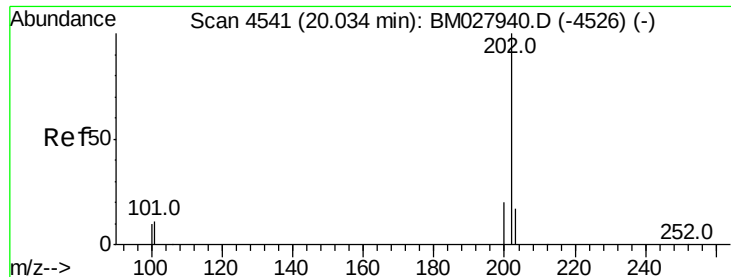


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

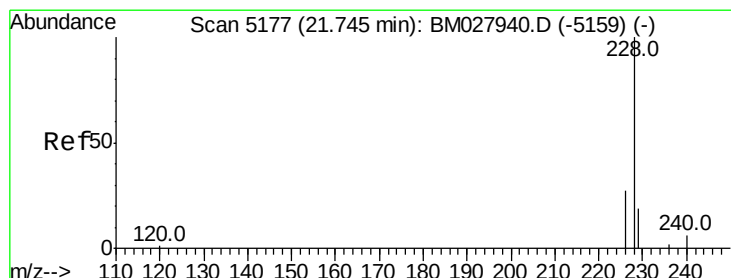
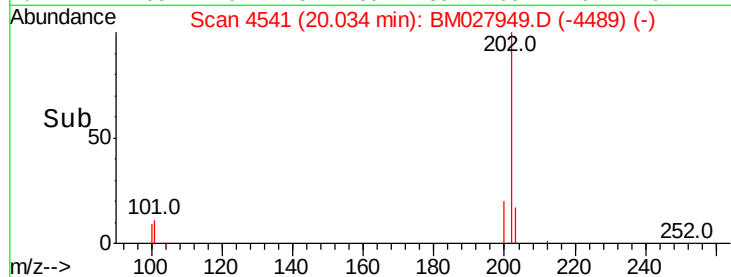
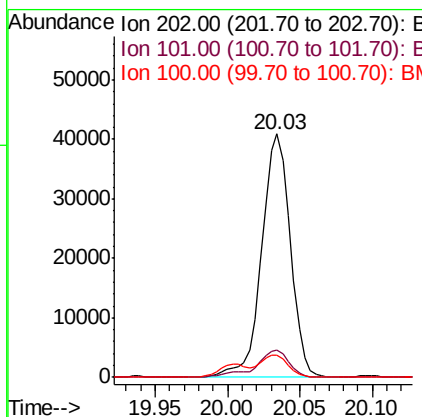
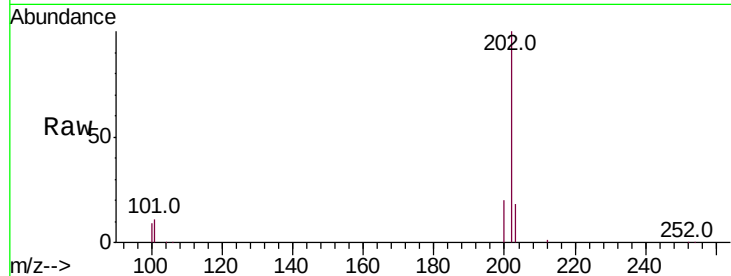




#17
Pvrene
Concen: 5.386 ng/ul
RT: 20.03 min Scan# 4541
Delta R.T. -0.00 min
Lab File: BM027949.D
Acq: 24 Nov 2020 18:57

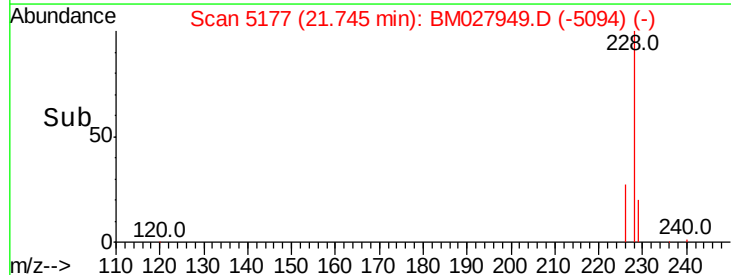
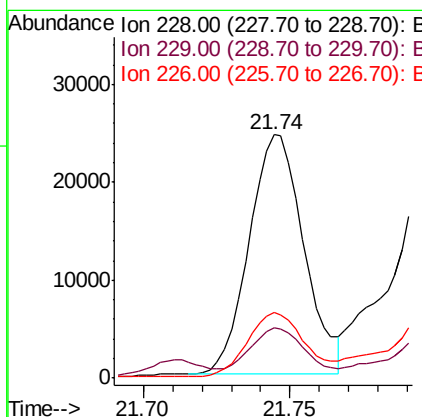
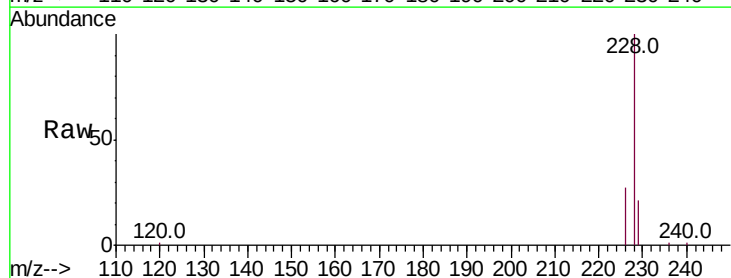
Instrument :
BNA_M
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C0B16

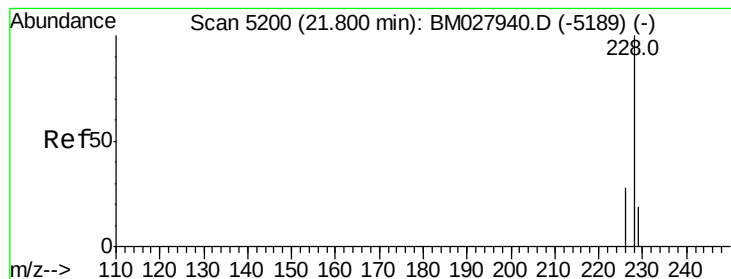
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.2	12.2
100	9.2	6.9	10.3



#18
Benzo(a)anthracene
Concen: 3.861 ng/ul
RT: 21.74 min Scan# 5177
Delta R.T. -0.00 min
Lab File: BM027949.D
Acq: 24 Nov 2020 18:57

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	16.2	24.4
226	27.0	21.5	32.3





#19

Chrysene

Concen: 4.945 ng/ul

RT: 21.80 min Scan# 5200

Delta R.T. -0.00 min

Lab File: BM027949.D

Acq: 24 Nov 2020 18:57

Instrument :

BNA_M

ClientSampleId :

C0B16

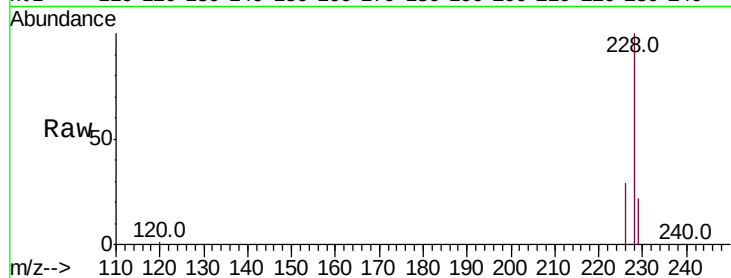
Tot Ion:228 Resp: 39471

Ion Ratio Lower Upper

228 100

226 29.4 24.1 36.1

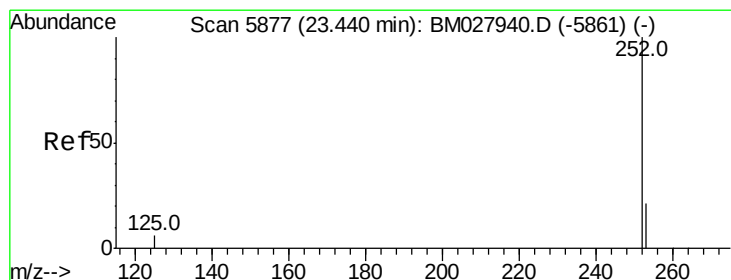
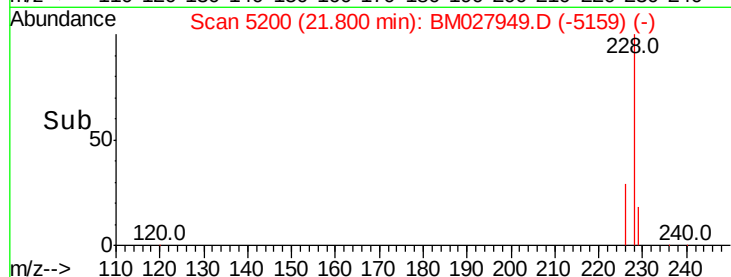
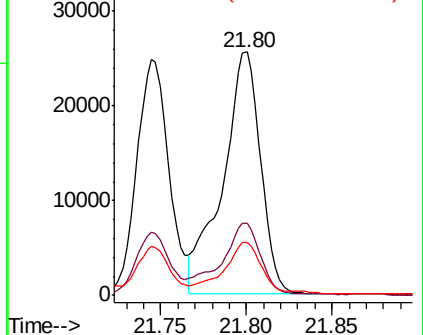
229 21.8 16.6 24.8



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: 8.892 ng/ul

RT: 23.45 min Scan# 5879

Delta R.T. 0.00 min

Lab File: BM027949.D

Acq: 24 Nov 2020 18:57

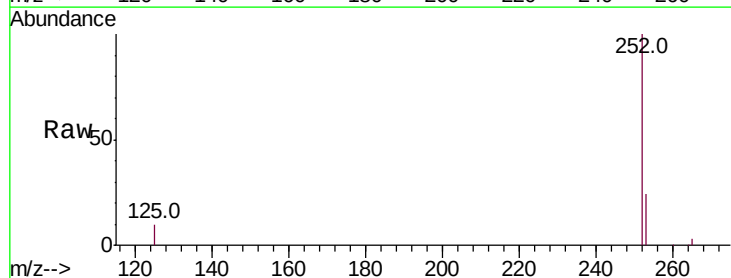
Tgt Ion:252 Resp: 71715

Ion Ratio Lower Upper

252 100

253 23.5 0.0 59.6

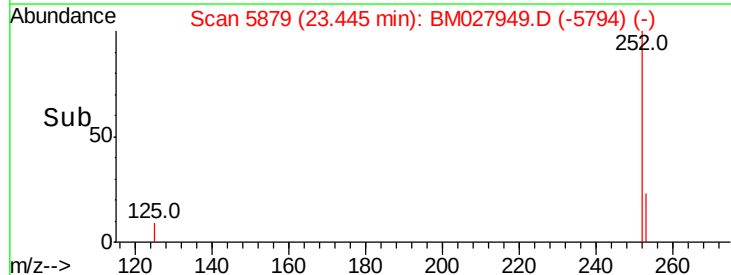
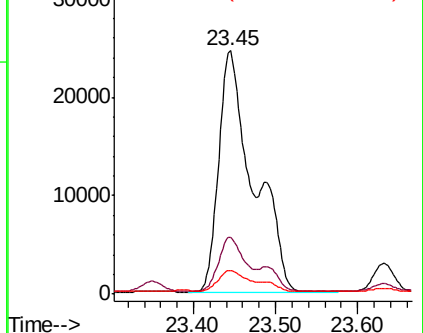
125 9.7 0.0 28.4

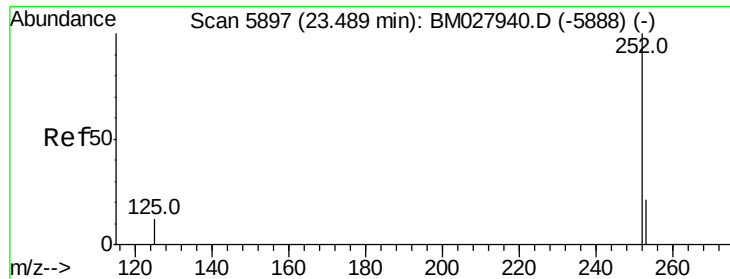


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 9.075 ng/ul

RT: 23.45 min Scan# 5879

Delta R.T. -0.04 min

Lab File: BM027949.D

Acq: 24 Nov 2020 18:57

Instrument :

BNA_M

ClientSampleId :

C0B16

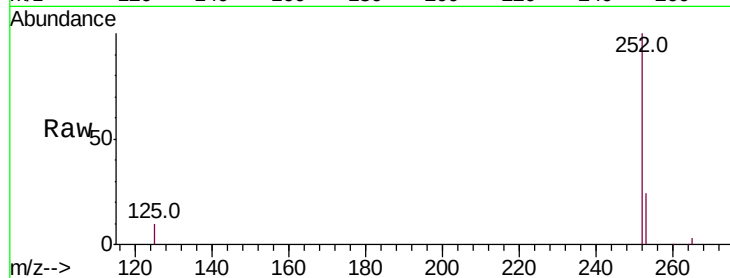
Tot Ion:252 Resp: 71672

Ion Ratio Lower Upper

252 100

253 23.5 23.2 34.8

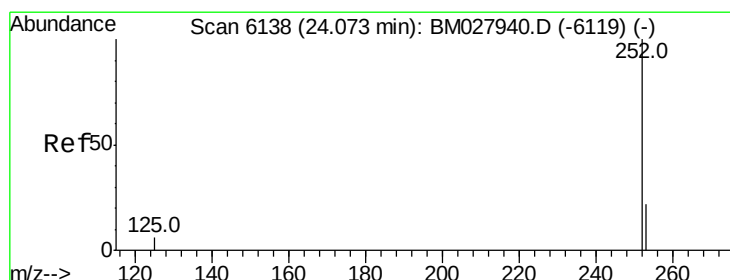
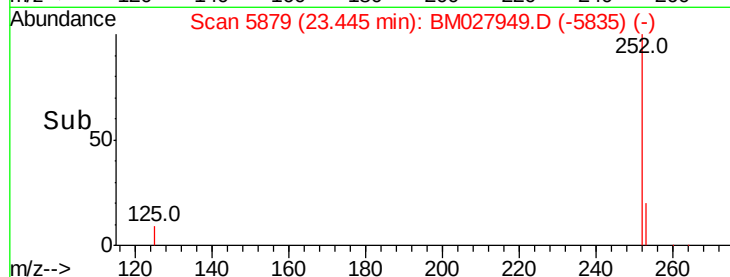
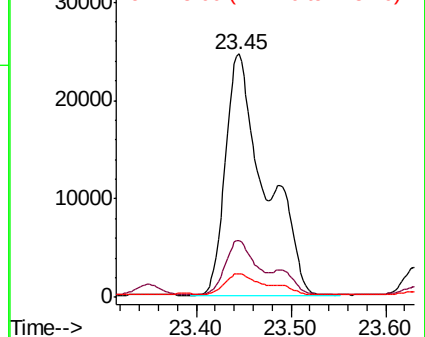
125 9.7 11.8 17.6#



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: 4.127 ng/ul

RT: 24.07 min Scan# 6139

Delta R.T. 0.00 min

Lab File: BM027949.D

Acq: 24 Nov 2020 18:57

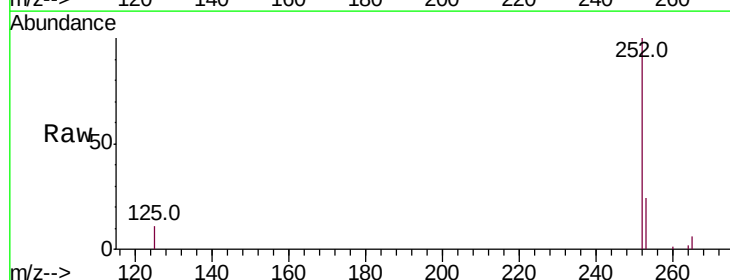
Tgt Ion:252 Resp: 29100

Ion Ratio Lower Upper

252 100

253 23.8 25.2 37.8#

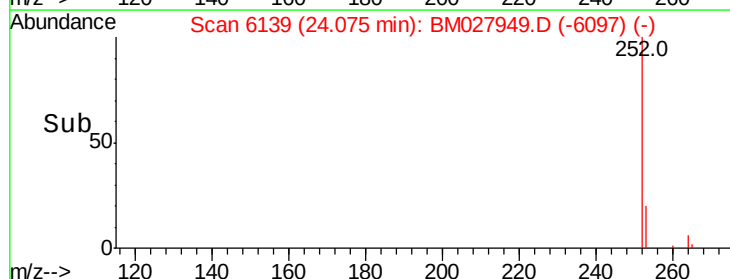
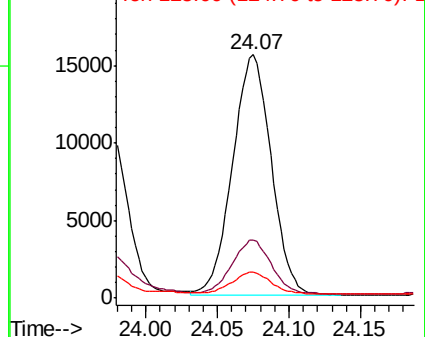
125 10.7 13.8 20.6#

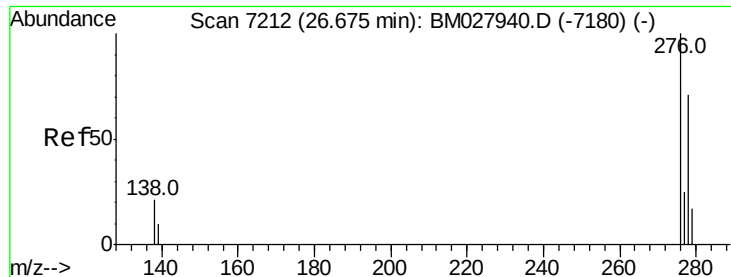


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



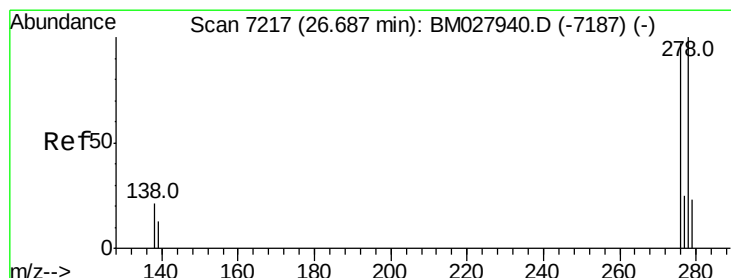
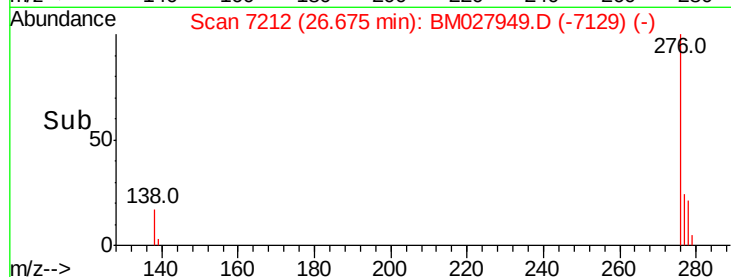
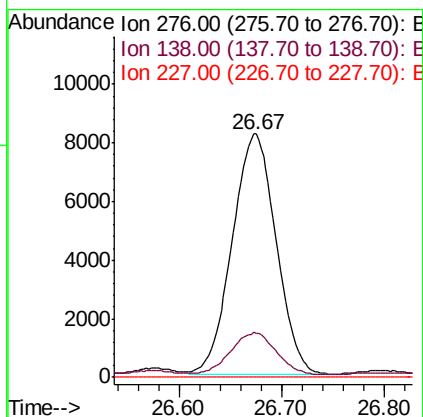
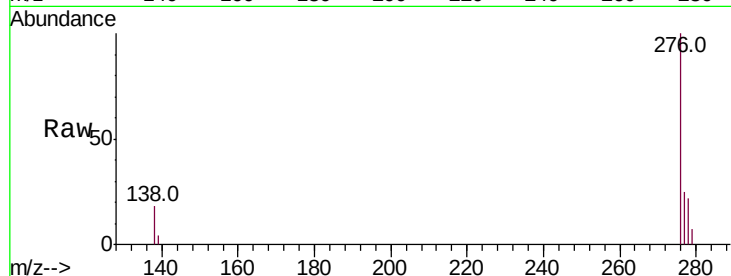


#24

Indeno(1,2,3-cd)pyrene
Concen: 3.183 ng/ul
RT: 26.67 min Scan# 7212
Delta R.T. -0.00 min
Lab File: BM027949.D
Acq: 24 Nov 2020 18:57

Instrument :
BNA_M
ClientSampleId :
C0B16

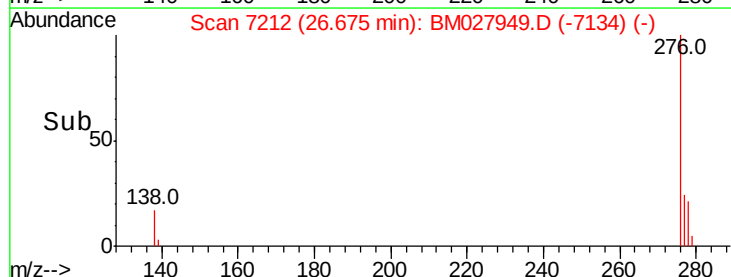
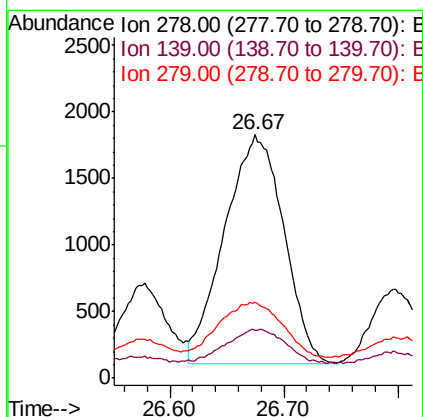
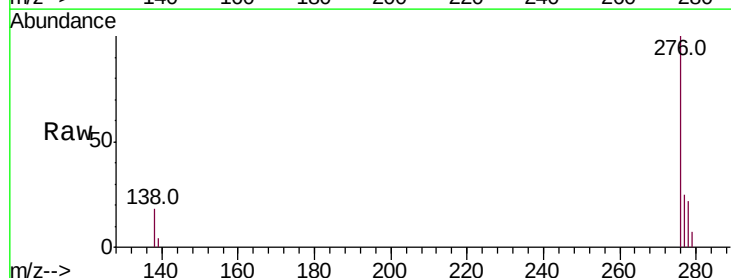
Tot Ion:276 Resp: 24300
Ion Ratio Lower Upper
276 100
138 18.0 15.7 23.5
227 0.0 0.0 0.0

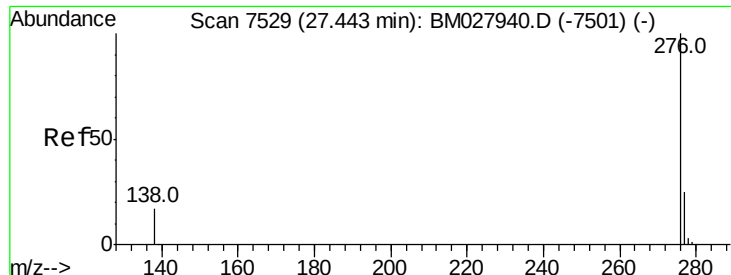


#25

Dibenzo(a,h)anthracene
Concen: 0.970 ng/ul
RT: 26.67 min Scan# 7212
Delta R.T. -0.01 min
Lab File: BM027949.D
Acq: 24 Nov 2020 18:57

Tgt Ion:278 Resp: 6165
Ion Ratio Lower Upper
278 100
139 19.8 14.8 22.2
279 31.1 25.8 38.6





#26

Benzo(a,h,i)perylene

Concen: 3.233 ng/ul

RT: 27.45 min Scan# 7531

Delta R.T. 0.00 min

Lab File: BM027949.D

Acq: 24 Nov 2020 18:57

Instrument :

BNA_M

ClientSampleId :

C0B16

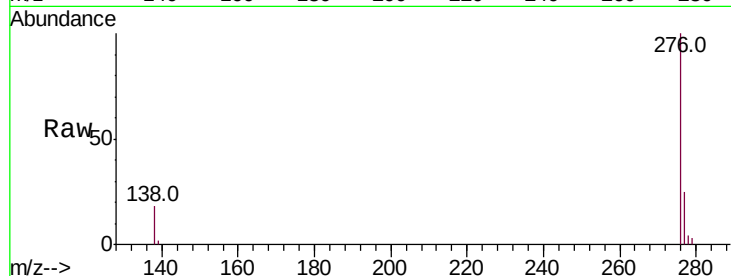
Tot Ion:276 Resp: 20707

Ion Ratio Lower Upper

276 100

138 18.5 17.4 26.2

277 24.5 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

