

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080219\
 Data File : BM021770.D
 Acq On : 02 Aug 2019 23:25
 Operator : HP/JU
 Sample : MDL-W-01
 Misc : 0.07PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 03 00:09:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 02 23:50:01 2019
 Response via : Initial Calibration

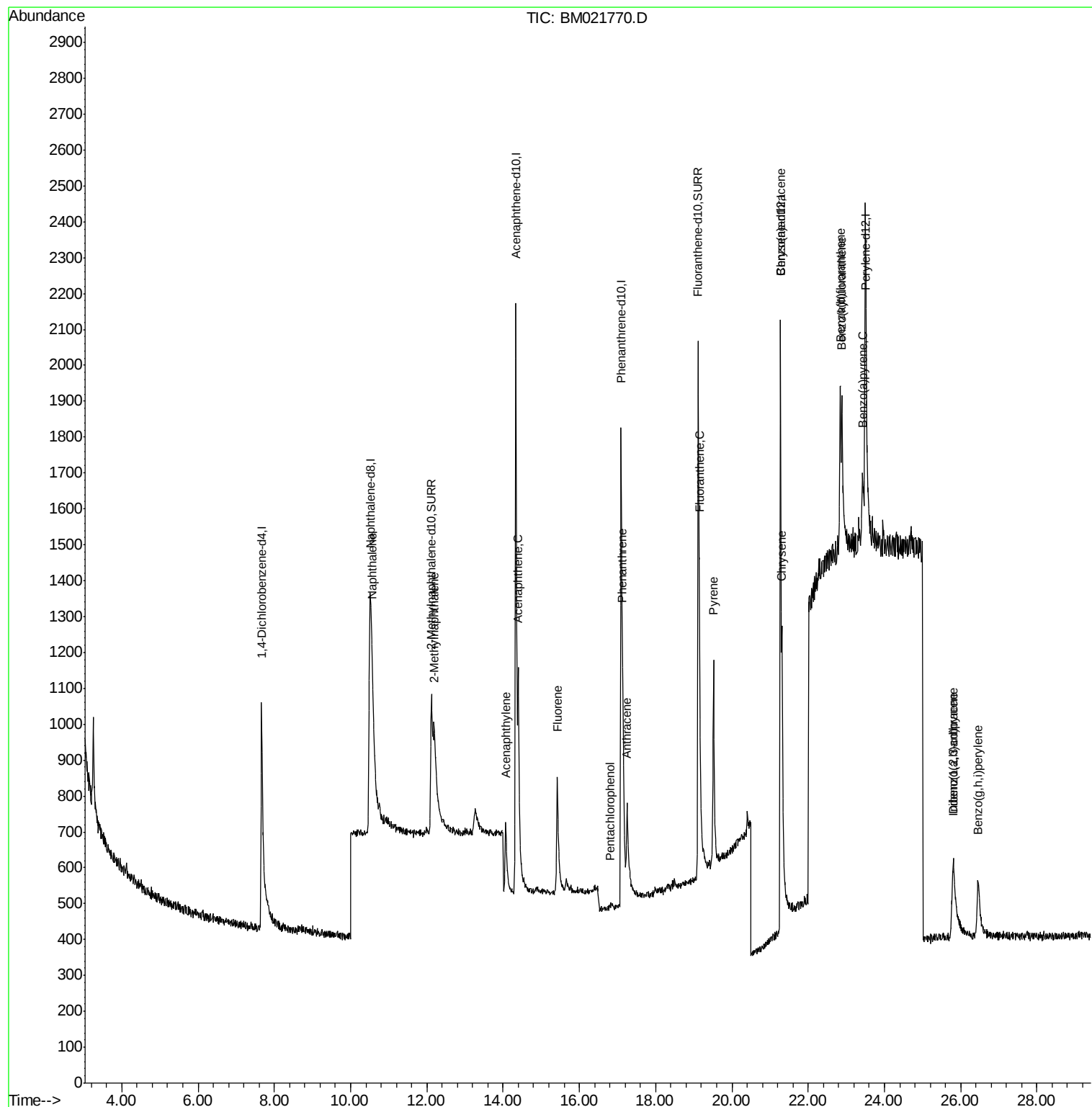
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	778	0.40	ng/ul	0.00
2) Naphthalene-d8	10.50	136	3488	0.40	ng/ul	0.04
6) Acenaphthene-d10	14.33	164	1747	0.40	ng/ul	0.02
10) Phenanthrene-d10	17.10	188	3037	0.40	ng/ul	0.02
16) Chrysene-d12	21.28	240	2094	0.40	ng/ul	0.01
20) Perylene-d12	23.50	264	2019	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	1648	0.36	ng/ul	0.05
14) Fluoranthene-d10	19.11	212	2496	0.36	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.57	128	721	0.074	ng/ul#	44
5) 2-Methylnaphthalene	12.21	142	399	0.071	ng/ul	100
7) Acenaphthylene	14.06	152	531	0.061	ng/ul#	58
8) Acenaphthene	14.40	153	508	0.068	ng/ul	94
9) Fluorene	15.42	166	456	0.059	ng/ul#	93
11) Pentachlorophenol	16.80	266	6	0.014	ng/ul#	33
12) Phenanthrene	17.13	178	682	0.067	ng/ul#	72
13) Anthracene	17.25	178	498	0.064	ng/ul#	65
15) Fluoranthene	19.15	202	738	0.073	ng/ul	72
17) Pyrene	19.52	202	752	0.081	ng/ul#	80
18) Benzo(a)anthracene	21.27	228	472	0.075	ng/ul#	80
19) Chrysene	21.32	228	962	0.091	ng/ul#	82
21) Benzo(b)fluoranthene	22.83	252	806	0.090	ng/ul	44
22) Benzo(k)fluoranthene	22.89	252	808	0.085	ng/ul#	42
23) Benzo(a)pyrene	23.43	252	475	0.067	ng/ul#	21
24) Indeno(1,2,3-cd)pyrene	25.80	276	475	0.058	ng/ul#	32
25) Dibenzo(a,h)anthracene	25.81	278	396	0.062	ng/ul#	15
26) Benzo(g,h,i)perylene	26.46	276	474	0.060	ng/ul#	49

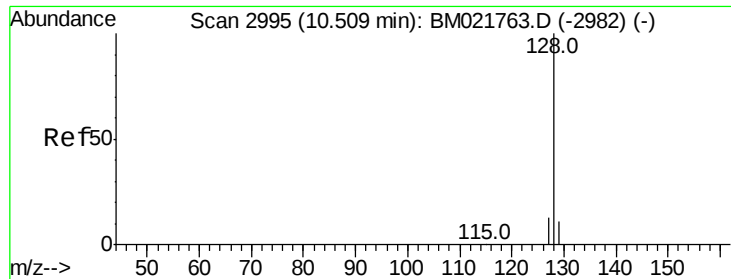
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.074 ng/ul

RT: 10.57 min Scan# 3008

Delta R.T. 0.06 min

Lab File: BM021770.D

Acq: 02 Aug 2019 23:25

Instrument :

BNA_M

ClientSampleId :

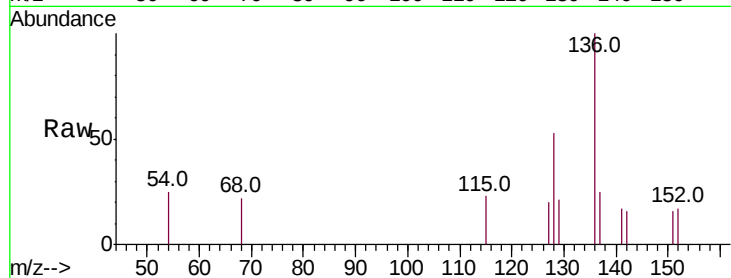
Tot Ion:128 Resp: 721

Ion Ratio Lower Upper

128 100

129 39.1 11.8 17.6#

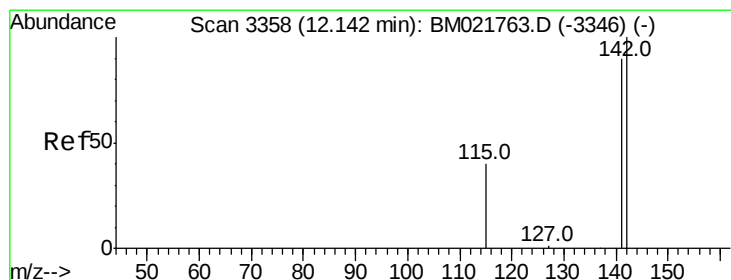
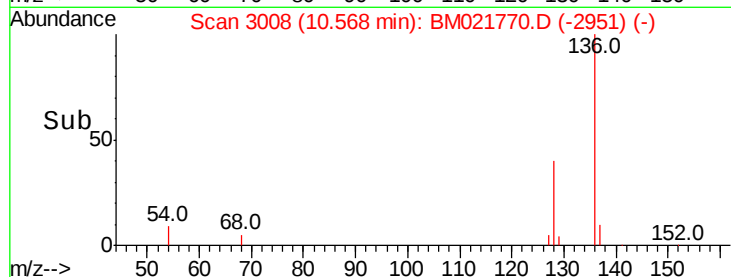
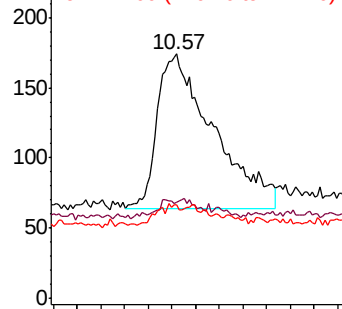
127 37.9 12.6 18.8#



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: 0.071 ng/ul

RT: 12.21 min Scan# 3373

Delta R.T. 0.07 min

Lab File: BM021770.D

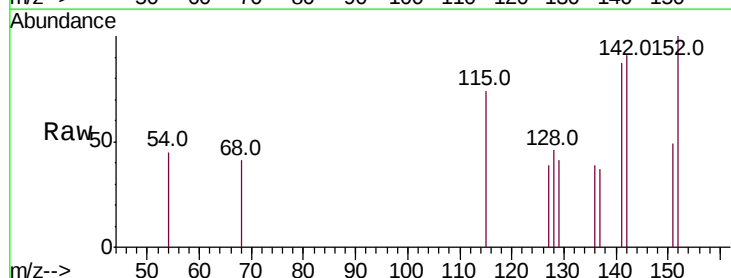
Acq: 02 Aug 2019 23:25

Tgt Ion:142 Resp: 399

Ion Ratio Lower Upper

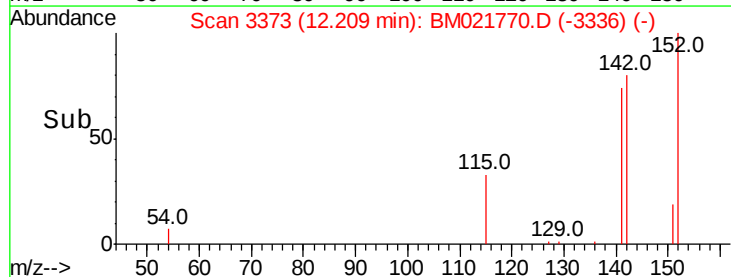
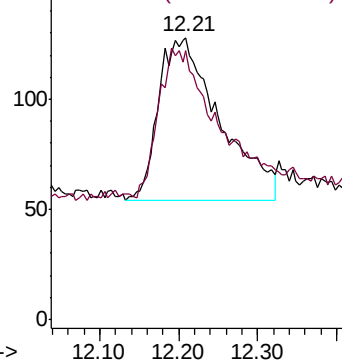
142 100

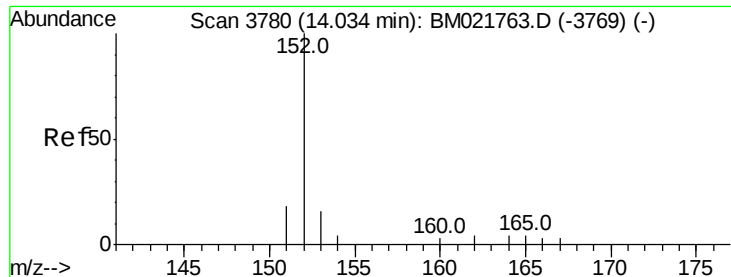
141 93.0 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.061 ng/ul

RT: 14.06 min Scan# 3788

Delta R.T. 0.03 min

Lab File: BM021770.D

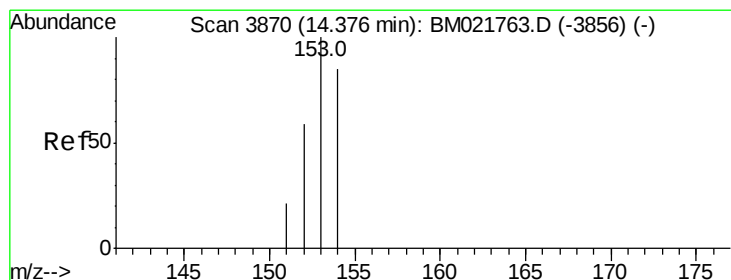
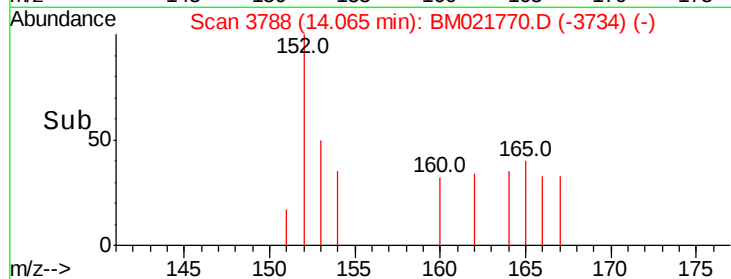
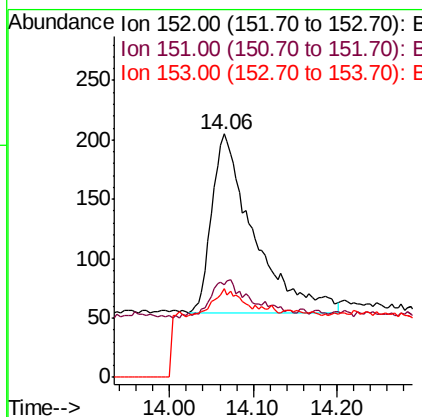
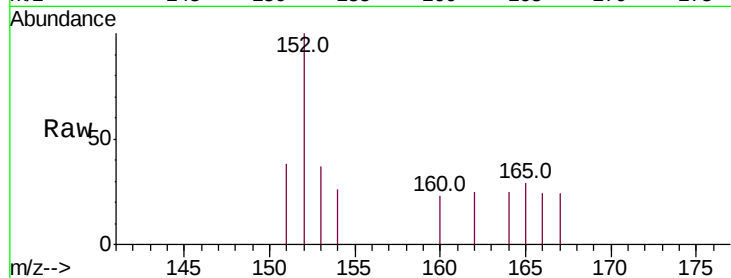
Acq: 02 Aug 2019 23:25

Instrument :

BNA_M

ClientSampled :

Tot Ion:	152	Resp:	531
Ion	Ratio	Lower	Upper
152	100		
151	38.0	17.0	25.4#
153	36.6	12.6	19.0#



#8

Acenaphthene

Concen: 0.068 ng/ul

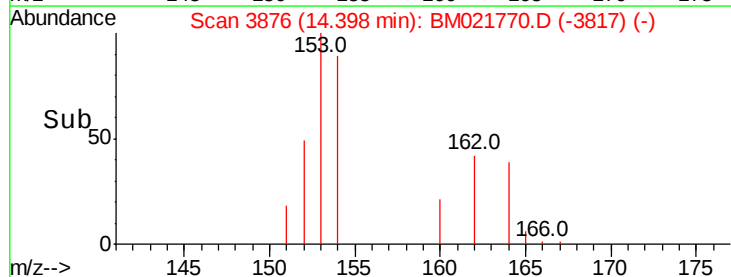
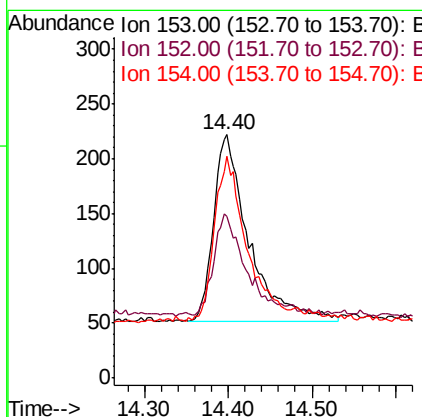
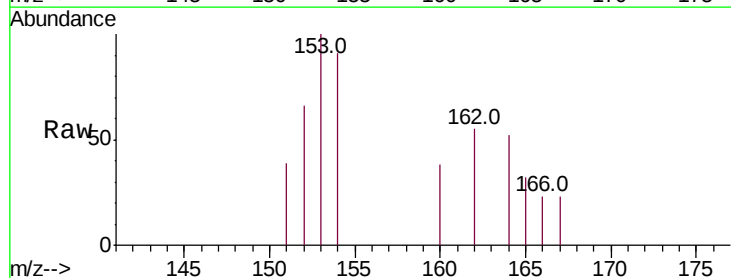
RT: 14.40 min Scan# 3876

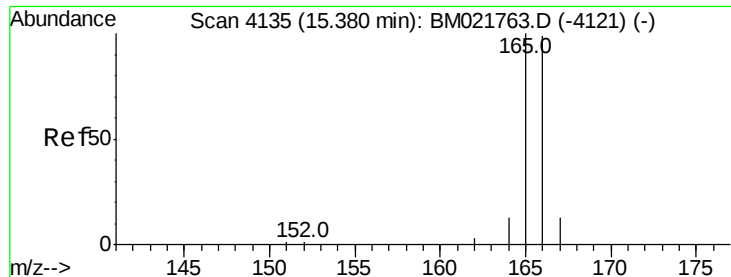
Delta R.T. 0.02 min

Lab File: BM021770.D

Acq: 02 Aug 2019 23:25

Tgt Ion:	153	Resp:	508
Ion	Ratio	Lower	Upper
153	100		
152	66.2	48.9	73.3
154	91.0	69.0	103.6





#9

Fluorene

Concen: 0.059 ng/ul

RT: 15.42 min Scan# 4145

Delta R.T. 0.04 min

Lab File: BM021770.D

Acq: 02 Aug 2019 23:25

Instrument :

BNA_M

ClientSampleId :

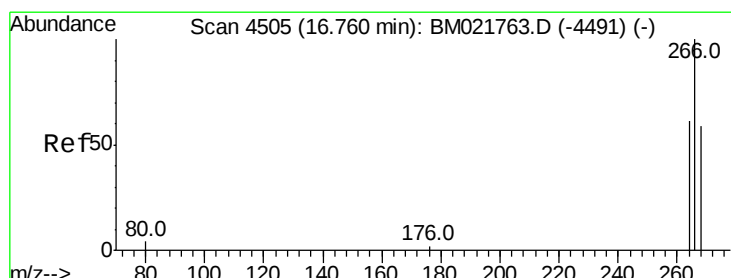
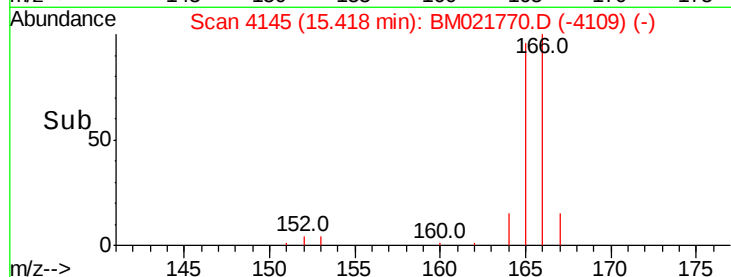
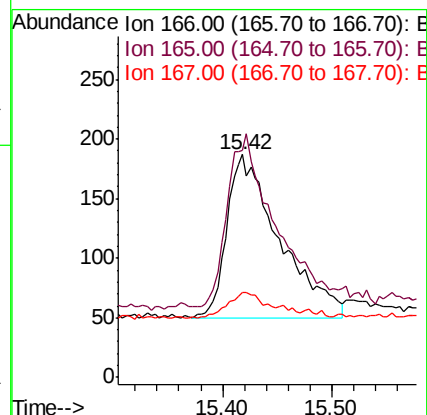
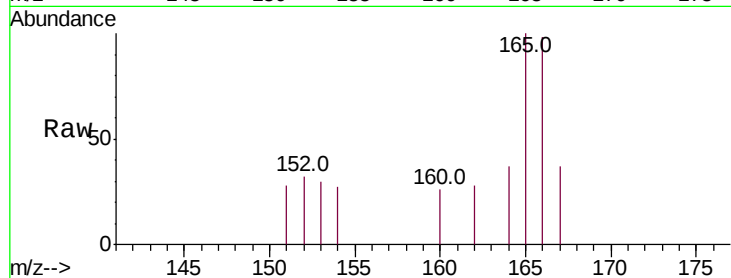
Tot Ion:166 Resp: 456

Ion Ratio Lower Upper

166 100

165 102.1 81.6 122.4

167 38.0 12.8 19.2#



#11

Pentachlorophenol

Concen: 0.014 ng/ul

RT: 16.80 min Scan# 4516

Delta R.T. 0.04 min

Lab File: BM021770.D

Acq: 02 Aug 2019 23:25

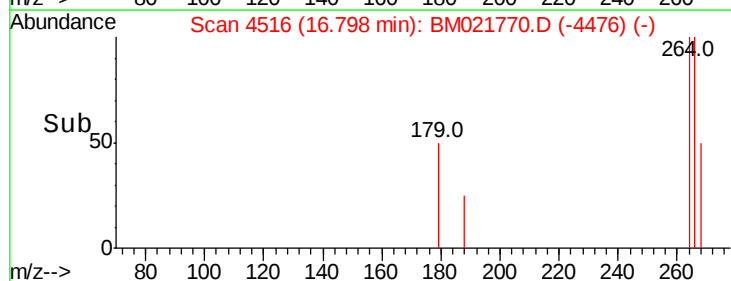
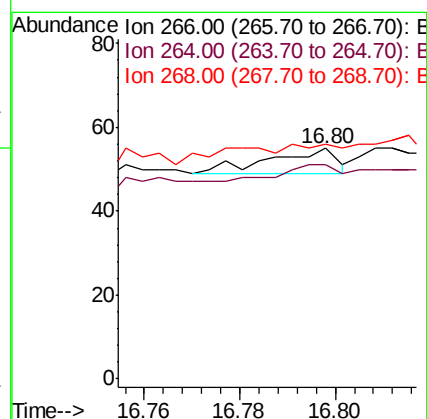
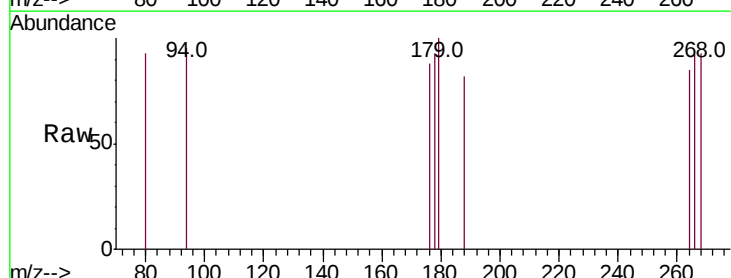
Tgt Ion:266 Resp: 6

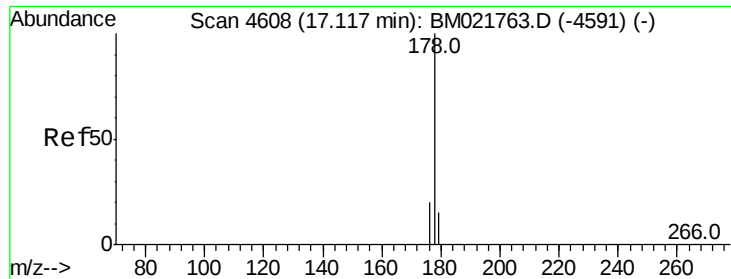
Ion Ratio Lower Upper

266 100

264 116.7 51.8 77.6#

268 0.0 36.2 54.4#





#12

Phenanthrene

Concen: 0.067 ng/ul

RT: 17.13 min Scan# 4613

Delta R.T. 0.02 min

Lab File: BM021770.D

Acq: 02 Aug 2019 23:25

Instrument :

BNA_M

ClientSampleId :

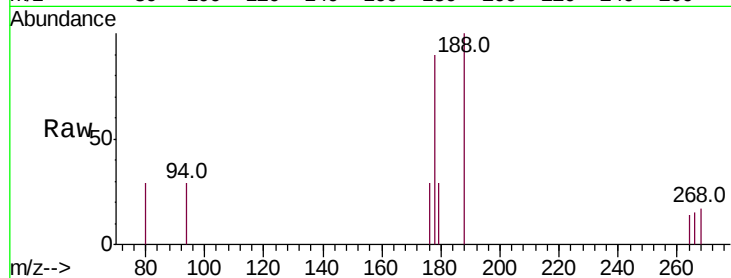
Tot Ion:178 Resp: 682

Ion Ratio Lower Upper

178 100

179 32.2 13.8 20.6#

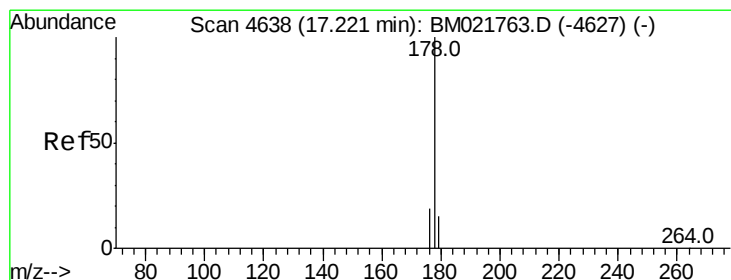
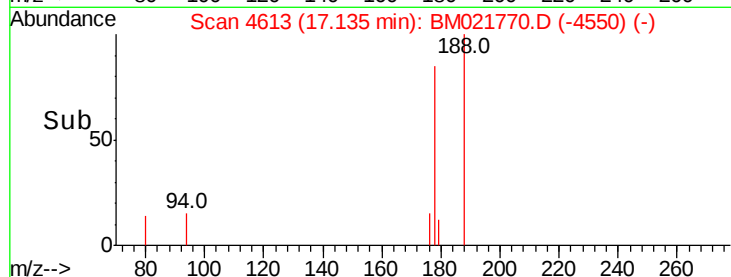
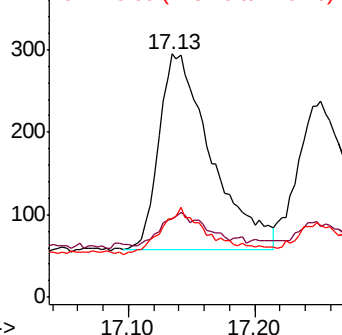
176 32.2 17.4 26.0#



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



#13

Anthracene

Concen: 0.064 ng/ul

RT: 17.25 min Scan# 4647

Delta R.T. 0.03 min

Lab File: BM021770.D

Acq: 02 Aug 2019 23:25

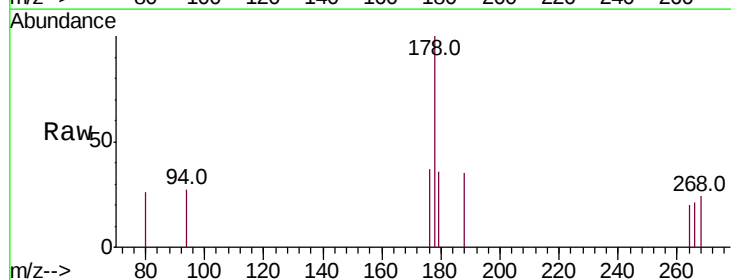
Tgt Ion:178 Resp: 498

Ion Ratio Lower Upper

178 100

179 35.9 15.2 22.8#

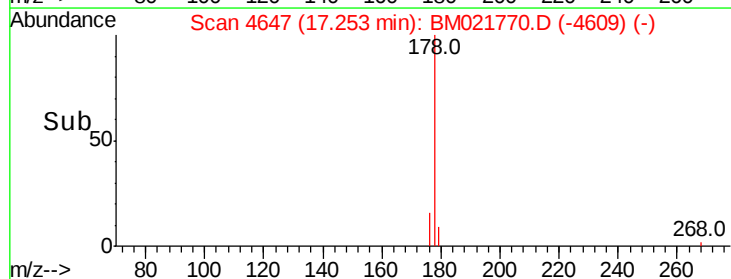
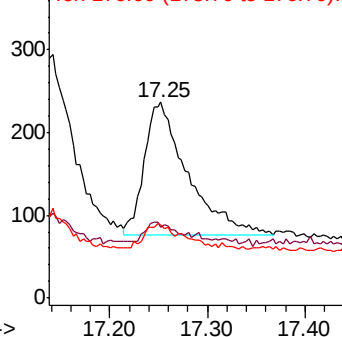
176 37.1 17.4 26.0#

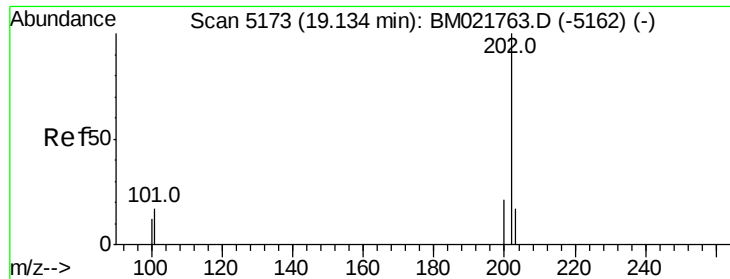


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

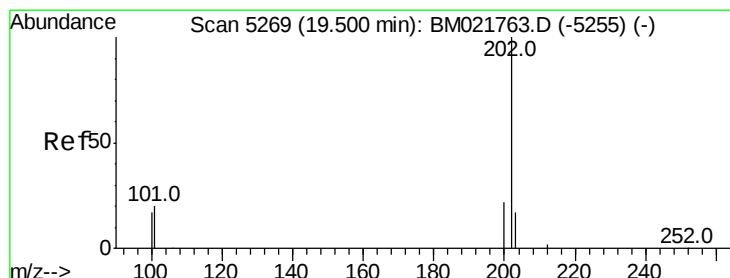
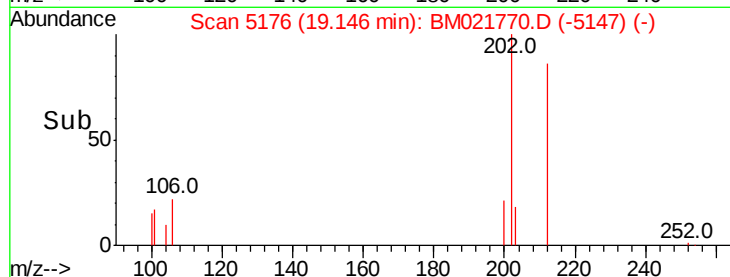
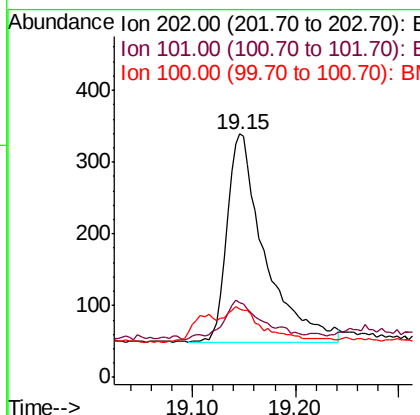
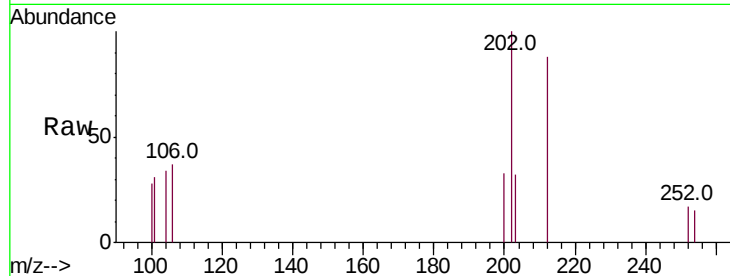




#15
Fluoranthene
 Concen: 0.073 ng/ul
 RT: 19.15 min Scan# 5176
 Delta R.T. 0.01 min
 Lab File: BM021770.D
 Acq: 02 Aug 2019 23:25

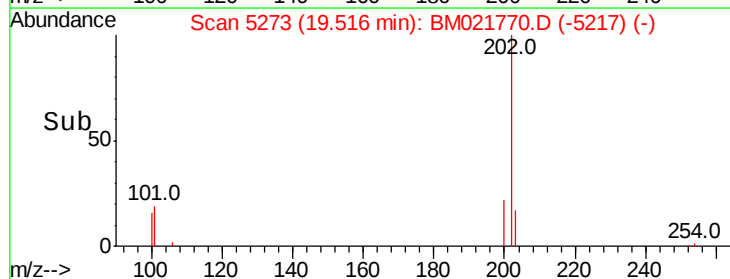
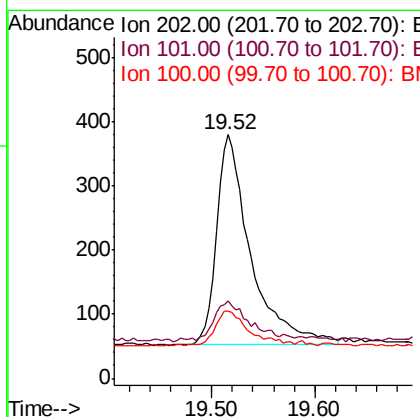
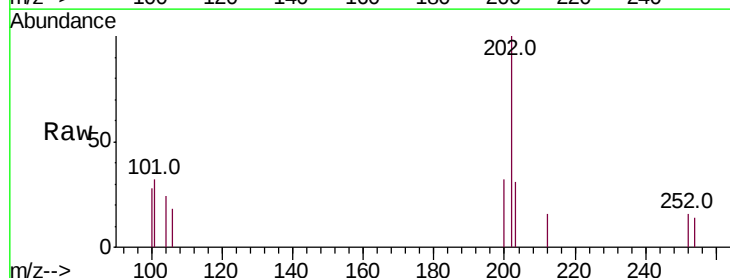
Instrument :
 BNA_M
 ClientSampleId :

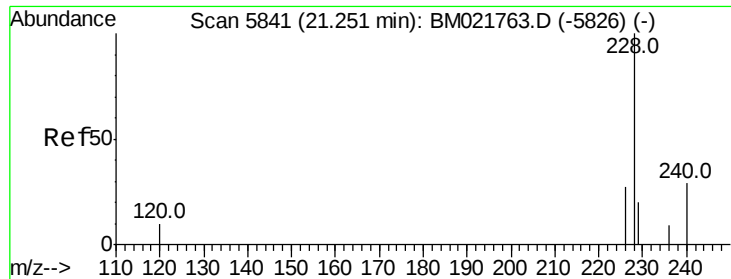
Tot Ion:202 Resp: 738
 Ion Ratio Lower Upper
 202 100
 101 31.0 0.0 39.0
 100 28.3 0.0 35.4



#17
Pyrene
 Concen: 0.081 ng/ul
 RT: 19.52 min Scan# 5273
 Delta R.T. 0.02 min
 Lab File: BM021770.D
 Acq: 02 Aug 2019 23:25

Tgt Ion:202 Resp: 752
 Ion Ratio Lower Upper
 202 100
 101 31.9 18.0 27.0#
 100 27.7 15.0 22.6#





#18

Benzo(a)anthracene

Concen: 0.075 ng/ul

RT: 21.27 min Scan# 5850

Delta R.T. 0.02 min

Lab File: BM021770.D

Acq: 02 Aug 2019 23:25

Instrument :

BNA_M

ClientSampleId :

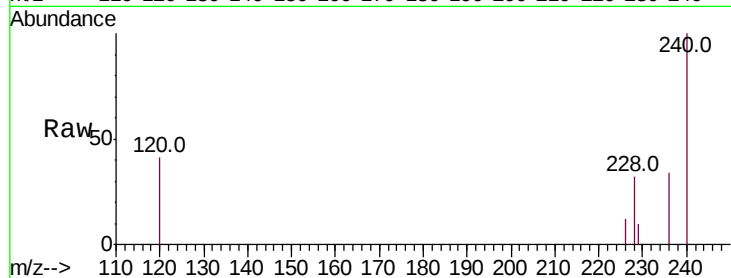
Tot Ion:228 Resp: 472

Ion Ratio Lower Upper

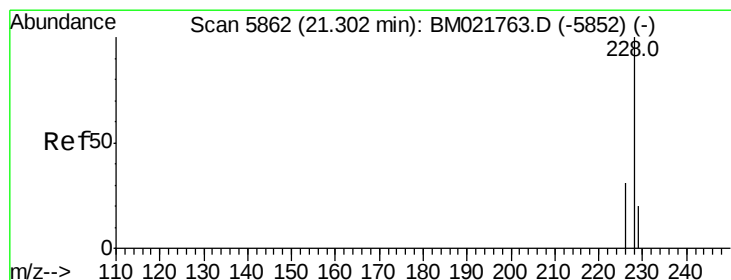
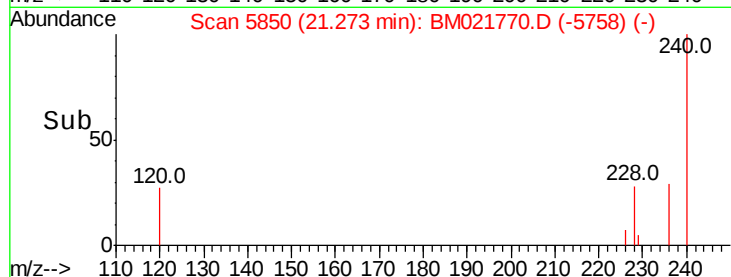
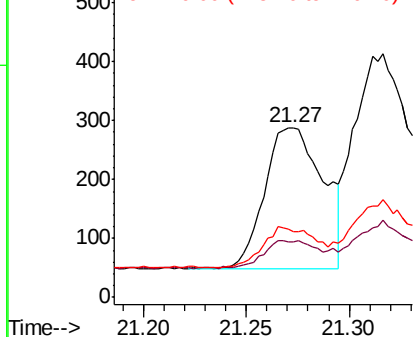
228 100

229 33.0 17.6 26.4#

226 38.5 23.4 35.2#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.091 ng/ul

RT: 21.32 min Scan# 5868

Delta R.T. 0.01 min

Lab File: BM021770.D

Acq: 02 Aug 2019 23:25

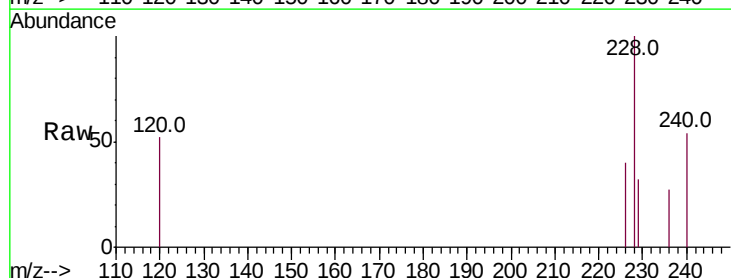
Tgt Ion:228 Resp: 962

Ion Ratio Lower Upper

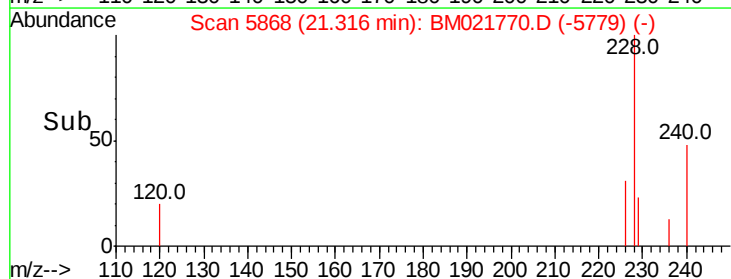
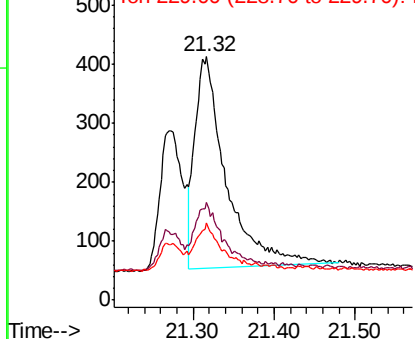
228 100

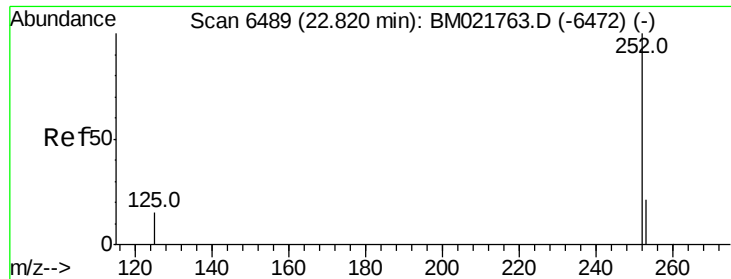
226 40.0 25.4 38.0#

229 32.0 17.4 26.0#



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: 0.090 ng/ul

RT: 22.83 min Scan# 6495

Delta R.T. 0.01 min

Lab File: BM021770.D

Acq: 02 Aug 2019 23:25

Instrument :

BNA_M

ClientSampleId :

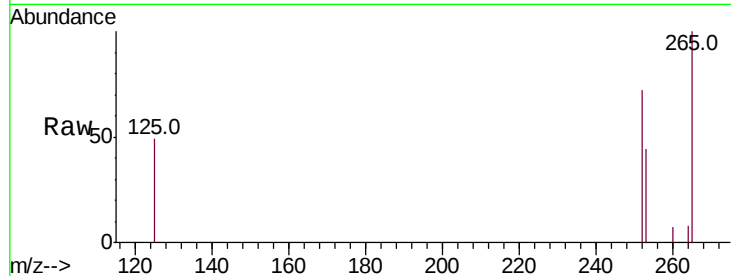
Tot Ion:252 Resp: 806

Ion Ratio Lower Upper

252 100

253 61.2 0.0 63.2

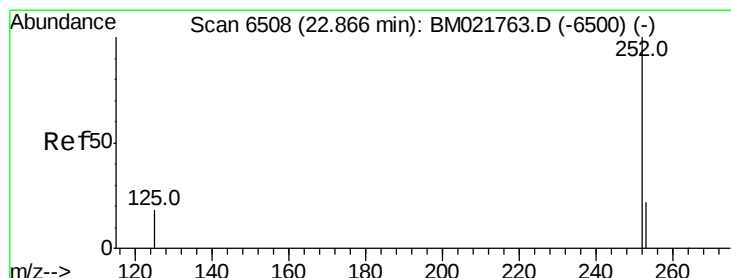
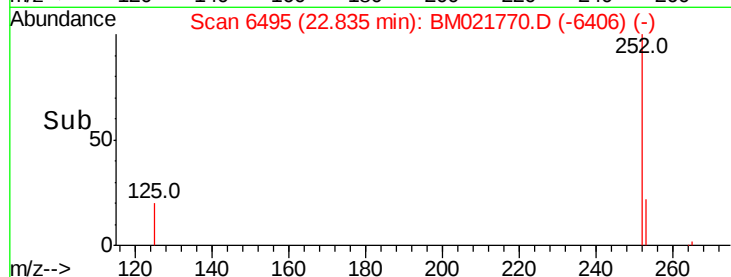
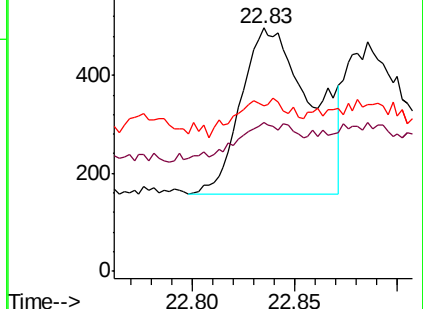
125 68.2 0.0 69.6



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



#22

Benzo(k)fluoranthene

Concen: 0.085 ng/ul

RT: 22.89 min Scan# 6516

Delta R.T. 0.02 min

Lab File: BM021770.D

Acq: 02 Aug 2019 23:25

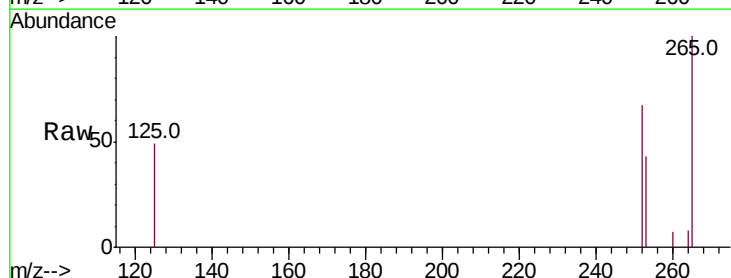
Tgt Ion:252 Resp: 808

Ion Ratio Lower Upper

252 100

253 64.6 26.4 39.6#

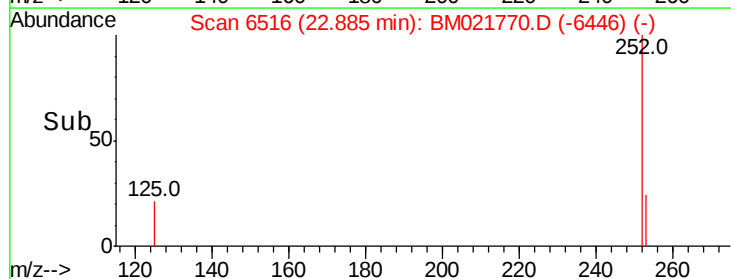
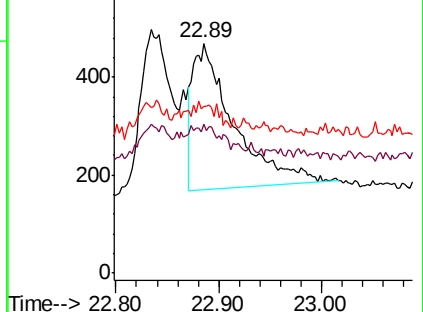
125 72.5 29.2 43.8#

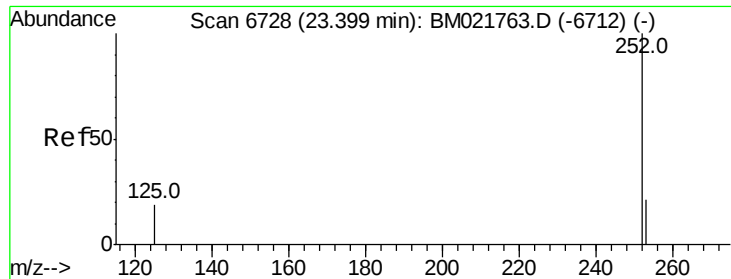


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.067 ng/ul

RT: 23.43 min Scan# 6741

Delta R.T. 0.03 min

Lab File: BM021770.D

Acq: 02 Aug 2019 23:25

Instrument :

BNA_M

ClientSampleId :

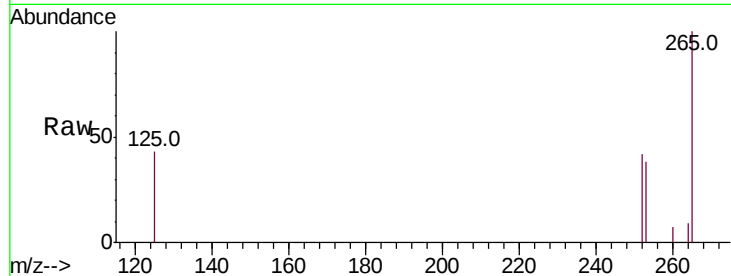
Tot Ion:252 Resp: 475

Ion Ratio Lower Upper

252 100

253 90.0 32.2 48.4#

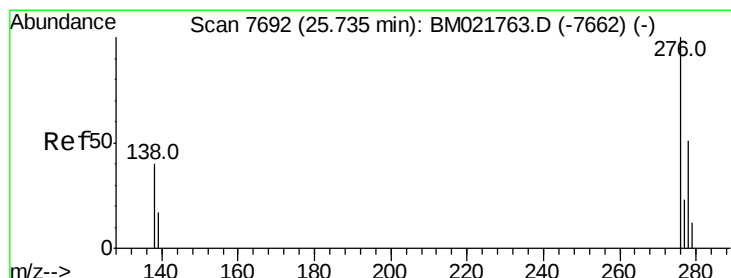
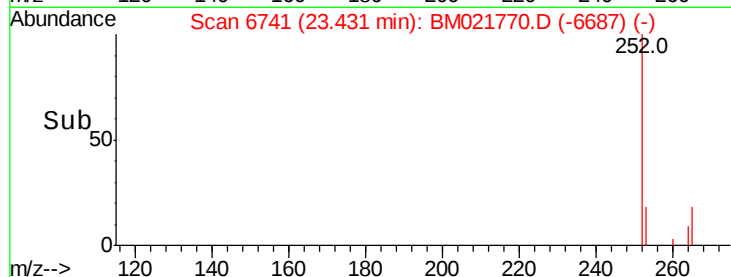
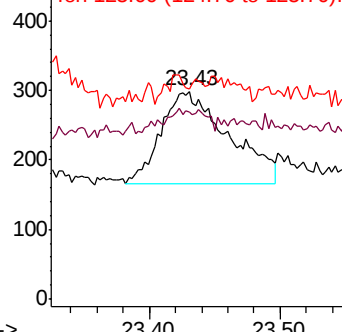
125 101.0 38.6 58.0#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.058 ng/ul

RT: 25.80 min Scan# 7717

Delta R.T. 0.06 min

Lab File: BM021770.D

Acq: 02 Aug 2019 23:25

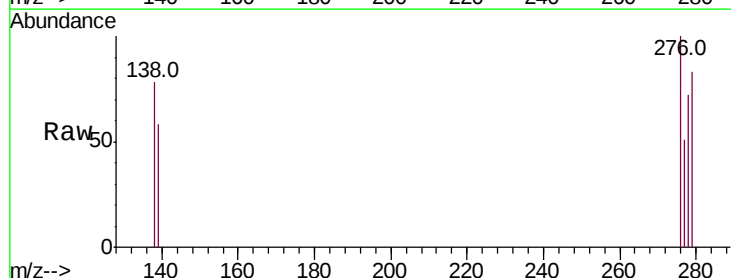
Tgt Ion:276 Resp: 475

Ion Ratio Lower Upper

276 100

138 0.0 35.1 52.7#

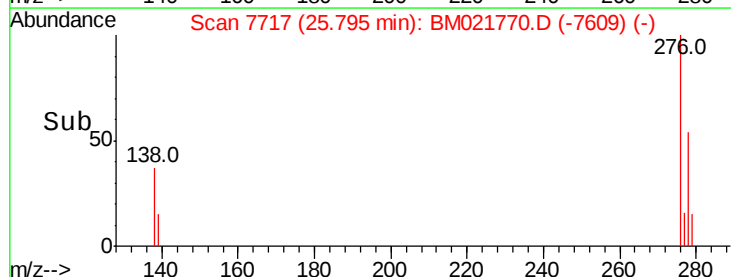
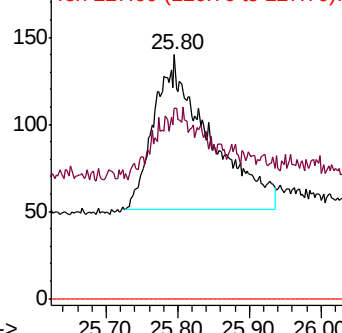
227 0.0 0.0 0.0

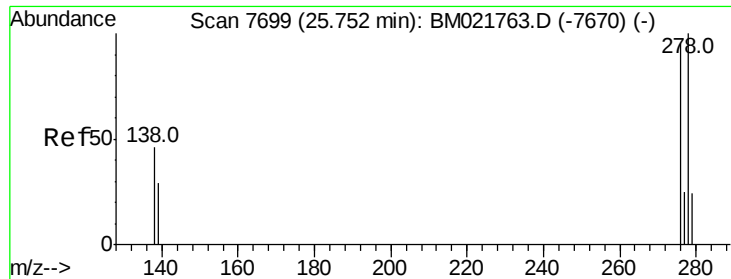


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

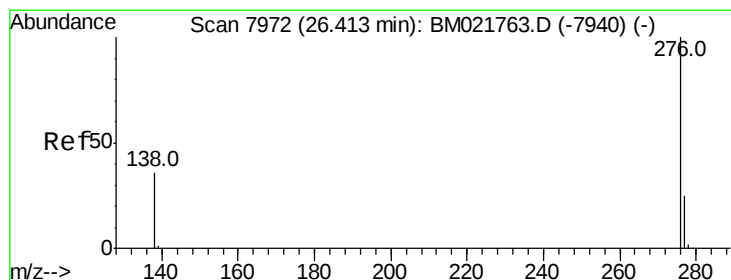
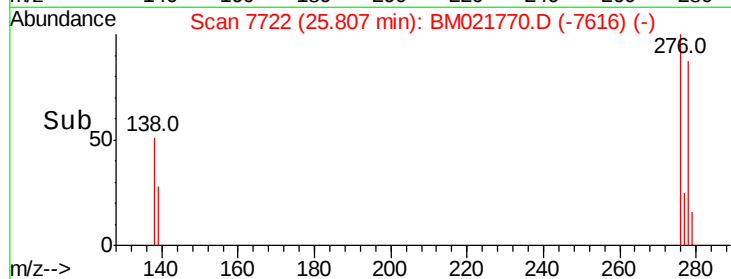
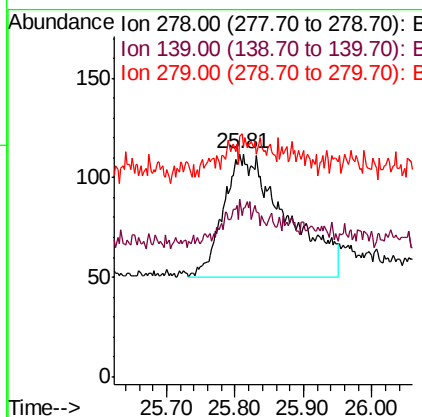
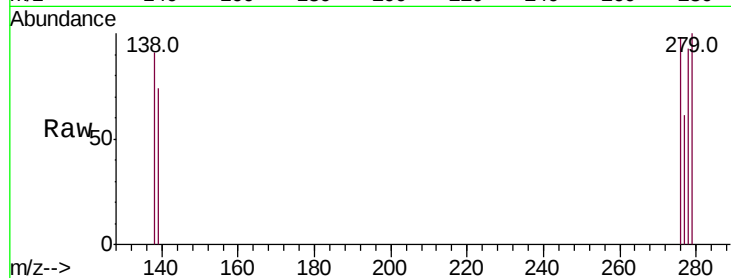




#25
Dibenzo(a,h)anthracene
Concen: 0.062 ng/ul
RT: 25.81 min Scan# 7722
Delta R.T. 0.06 min
Lab File: BM021770.D
Acq: 02 Aug 2019 23:25

Instrument :
BNA_M
ClientSampled :

Tot Ion:278 Resp: 396
Ion Ratio Lower Upper
278 100
139 79.5 31.6 47.4#
279 108.0 34.2 51.2#



#26
Benzo(g,h,i)perylene
Concen: 0.060 ng/ul
RT: 26.46 min Scan# 7991
Delta R.T. 0.05 min
Lab File: BM021770.D
Acq: 02 Aug 2019 23:25

Tgt Ion:276 Resp: 474
Ion Ratio Lower Upper
276 100
138 77.7 36.0 54.0#
277 59.0 24.4 36.6#

