

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080219\
 Data File : BM021769.D
 Acq On : 02 Aug 2019 22:48
 Operator : HP/JU
 Sample : PB-W-MDL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 03 00:08:51 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	792	0.40	ng/ul	0.00
2) Naphthalene-d8	10.54	136	3488	0.40	ng/ul	0.08
6) Acenaphthene-d10	14.35	164	1831	0.40	ng/ul	0.03
10) Phenanthrene-d10	17.10	188	3232	0.40	ng/ul	0.03
16) Chrysene-d12	21.28	240	2233	0.40	ng/ul	0.02
20) Perylene-d12	23.50	264	2107	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.15	152	1625	0.35	ng/ul	0.09
14) Fluoranthene-d10	19.12	212	2617	0.35	ng/ul	0.01

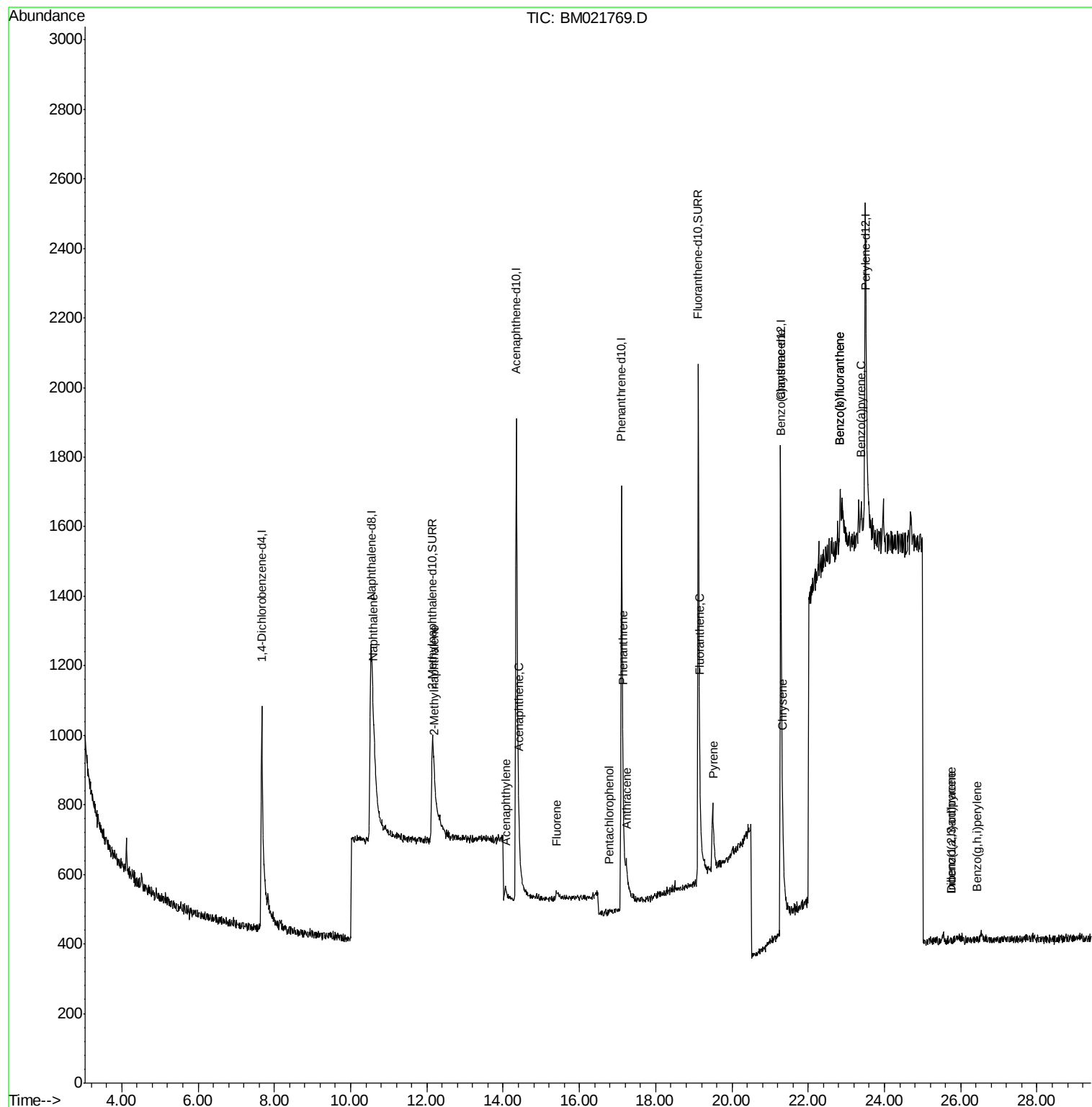
Target Compounds				Ovalue		
3) Naphthalene	10.59	128	2	0.000	ng/ul#	1
5) 2-Methylnaphthalene	12.21	142	2	0.000	ng/ul	92
7) Acenaphthylene	14.08	152	2	0.000	ng/ul#	1
8) Acenaphthene	14.41	153	2	0.000	ng/ul#	73
9) Fluorene	15.41	166	2	0.000	ng/ul#	68
11) Pentachlorophenol	16.79	266	2	0.004	ng/ul#	49
12) Phenanthrene	17.14	178	10	0.001	ng/ul#	1
13) Anthracene	17.26	178	5	0.001	ng/ul#	1
15) Fluoranthene	19.15	202	66	0.006	ng/ul#	1
17) Pyrene	19.52	202	97	0.010	ng/ul#	1
18) Benzo(a)anthracene	21.29	228	86	0.013	ng/ul#	27
19) Chrysene	21.33	228	342	0.030	ng/ul#	62
21) Benzo(b)fluoranthene	22.84	252	541	0.058	ng/ul#	1
22) Benzo(k)fluoranthene	22.84	252	541	0.055	ng/ul#	1
23) Benzo(a)pyrene	23.40	252	11	0.001	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.74	276	1	0.000	ng/ul#	1
25) Dibenzo(a,h)anthracene	25.76	278	1	0.000	ng/ul#	1
26) Benzo(g,h,i)perylene	26.42	276	1	0.000	ng/ul#	1

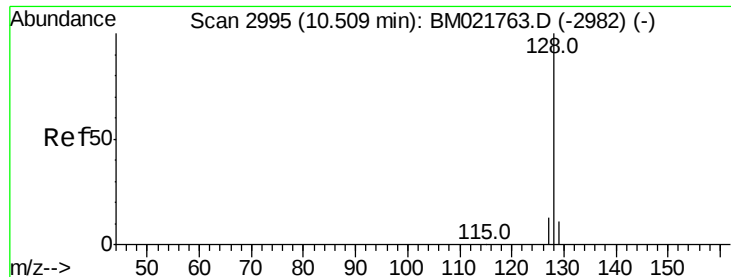
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.000 ng/ul

RT: 10.59 min Scan# 3014

Delta R.T. 0.09 min

Lab File: BM021769.D

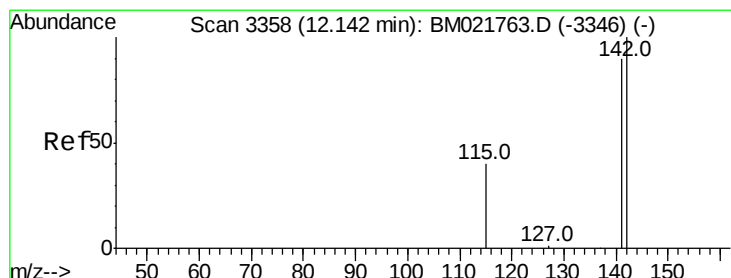
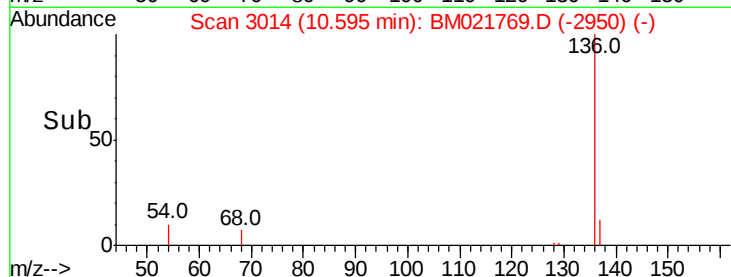
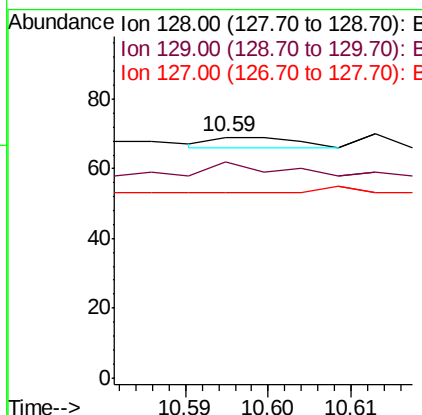
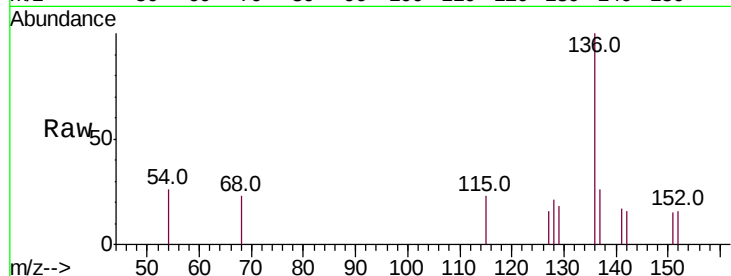
Acq: 02 Aug 2019 22:48

Instrument :

BNA_M

ClientSampleId :

Tot	Ion:128	Resp:	2
Ion	Ratio	Lower	Upper
128	100		
129	89.9	11.8	17.6#
127	76.8	12.6	18.8#



#5

2-Methylnaphthalene

Concen: 0.000 ng/ul

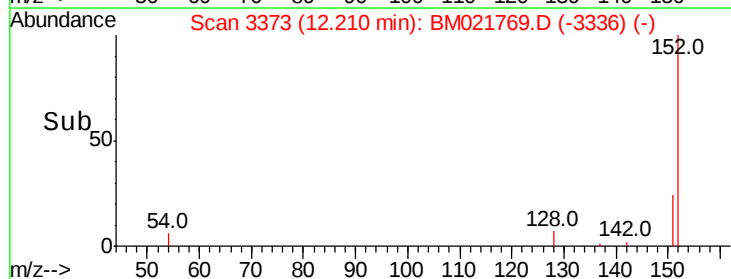
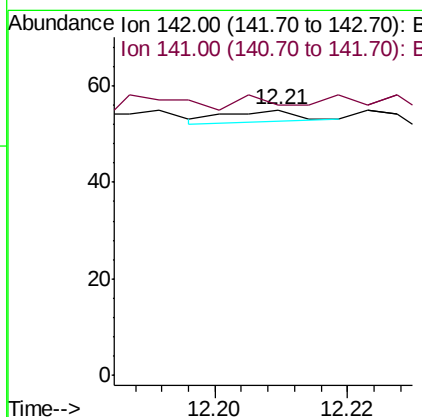
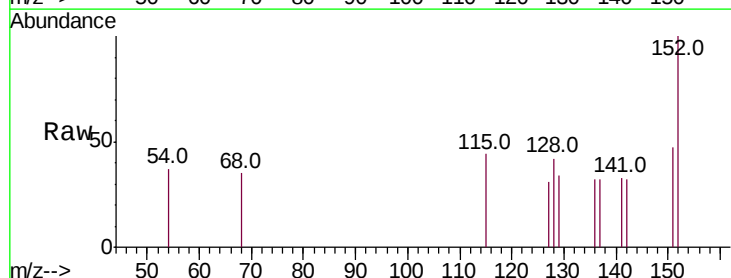
RT: 12.21 min Scan# 3373

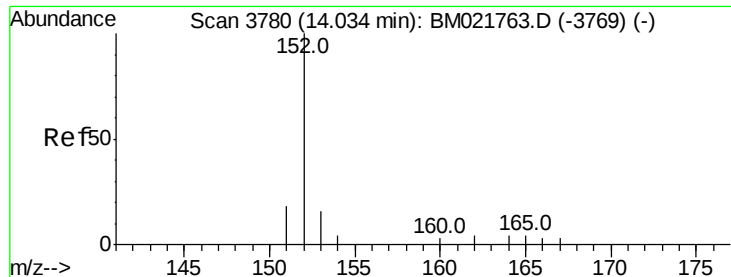
Delta R.T. 0.07 min

Lab File: BM021769.D

Acq: 02 Aug 2019 22:48

Tgt	Ion:142	Resp:	2
Ion	Ratio	Lower	Upper
142	100		
141	100.0	74.1	111.1





#7

Acenaphthylene

Concen: 0.000 ng/ul

RT: 14.08 min Scan# 3792

Delta R.T. 0.05 min

Lab File: BM021769.D

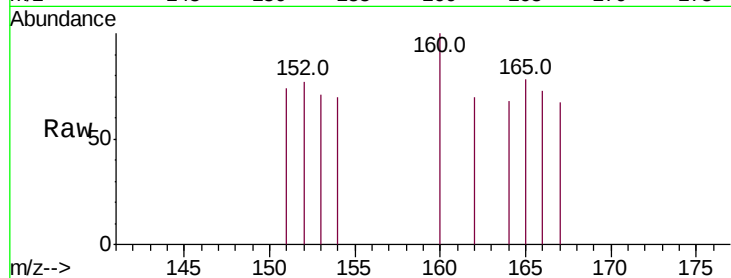
Acq: 02 Aug 2019 22:48

Instrument :

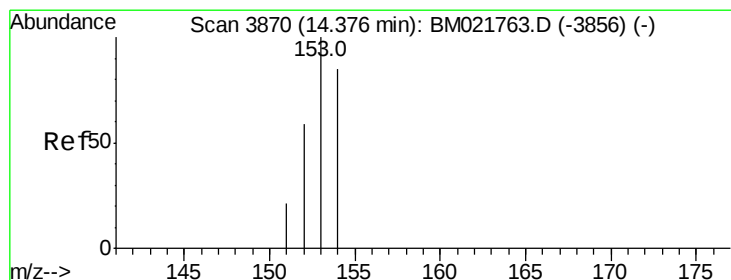
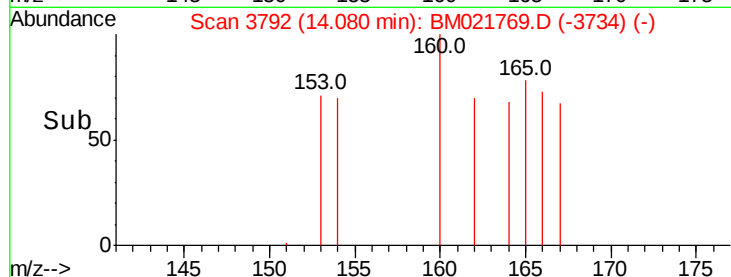
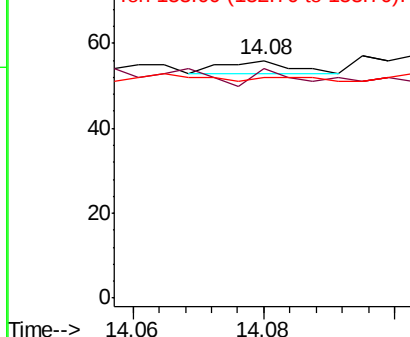
BNA_M

ClientSampleId :

Tot Ion:	152	Resp:	2
Ion	Ratio	Lower	Upper
152	100		
151	96.4	17.0	25.4#
153	92.9	12.6	19.0#



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: 0.000 ng/ul

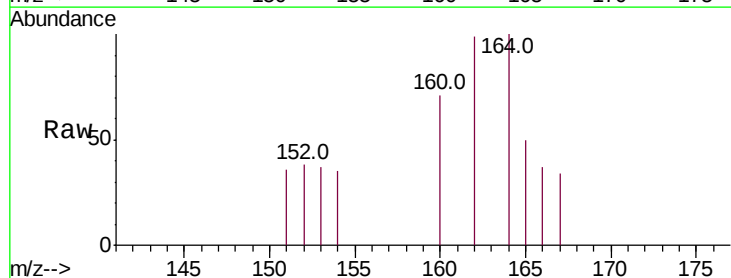
RT: 14.41 min Scan# 3879

Delta R.T. 0.03 min

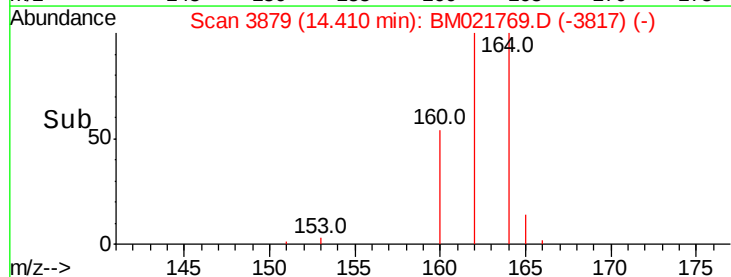
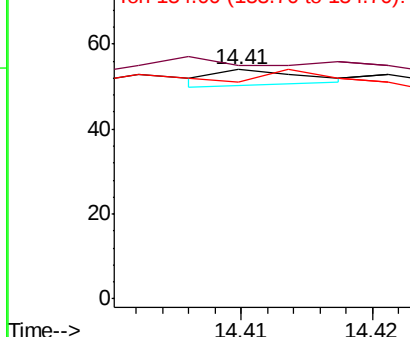
Lab File: BM021769.D

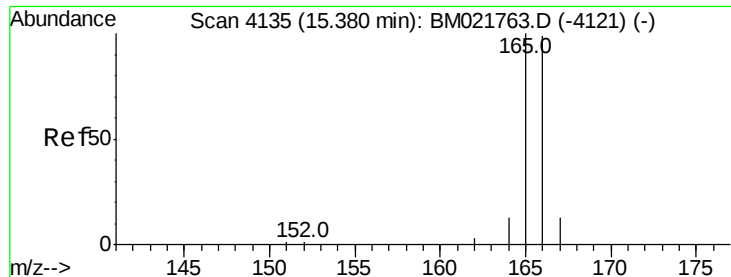
Acq: 02 Aug 2019 22:48

Tgt Ion:	153	Resp:	2
Ion	Ratio	Lower	Upper
153	100		
152	101.9	48.9	73.3#
154	94.4	69.0	103.6



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: 0.000 ng/ul

RT: 15.41 min Scan# 4142

Delta R.T. 0.03 min

Lab File: BM021769.D

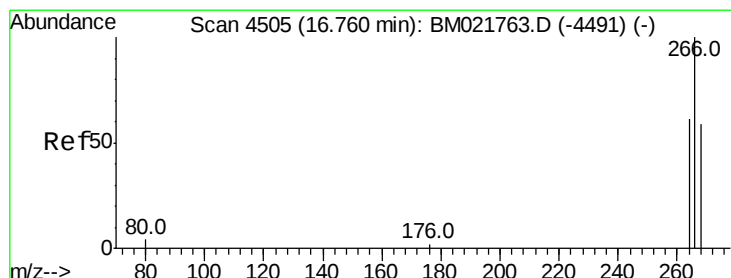
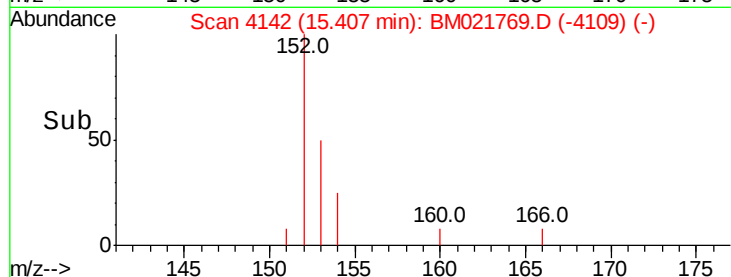
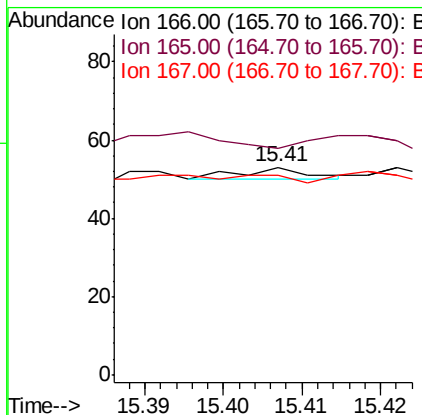
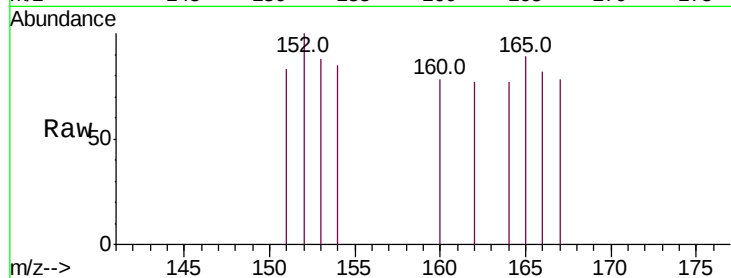
Acq: 02 Aug 2019 22:48

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	166	Resp:	2
Ion	Ratio	Lower	Upper
166	100		
165	109.4	81.6	122.4
167	96.2	12.8	19.2#



#11

Pentachlorophenol

Concen: 0.004 ng/ul

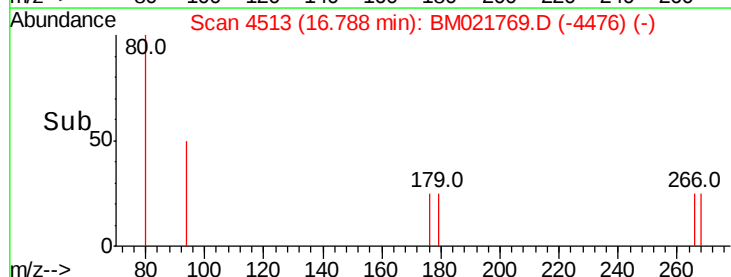
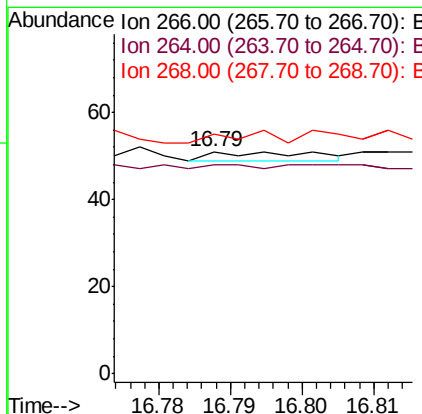
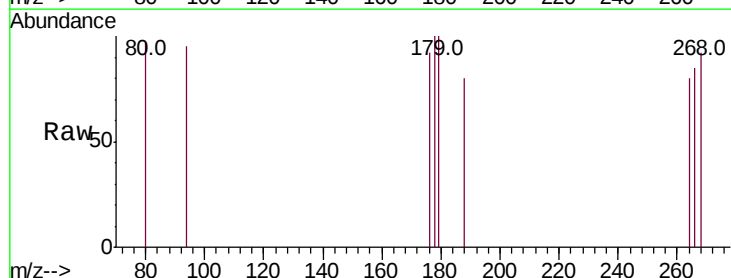
RT: 16.79 min Scan# 4513

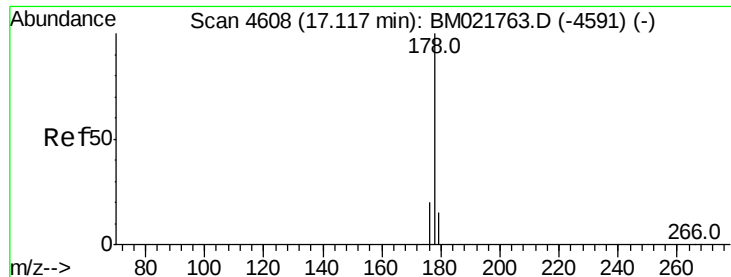
Delta R.T. 0.03 min

Lab File: BM021769.D

Acq: 02 Aug 2019 22:48

Tgt Ion:	266	Resp:	2
Ion	Ratio	Lower	Upper
266	100		
264	0.0	51.8	77.6#
268	50.0	36.2	54.4





#12

Phenanthrene

Concen: 0.001 ng/ul

RT: 17.14 min Scan# 4615

Delta R.T. 0.02 min

Lab File: BM021769.D

Acq: 02 Aug 2019 22:48

Instrument :

BNA_M

ClientSampleId :

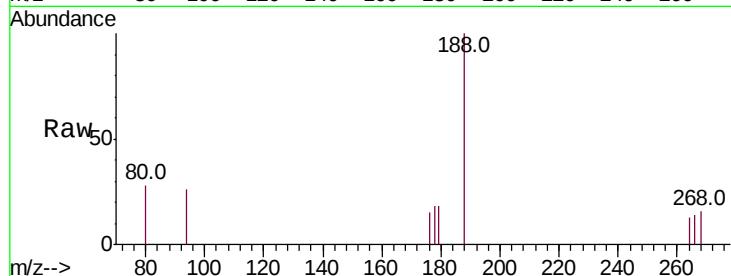
Tot Ion:178 Resp: 10

Ion Ratio Lower Upper

178 100

179 98.5 13.8 20.6#

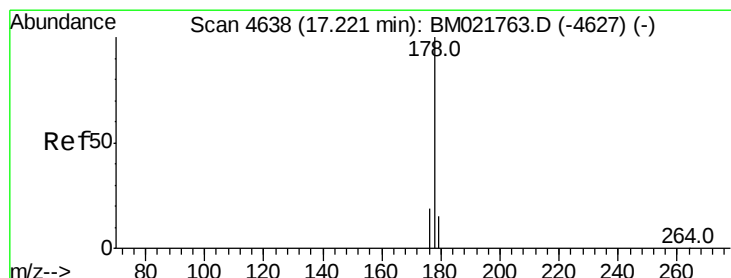
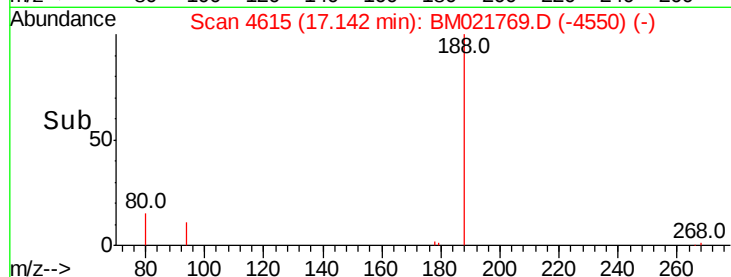
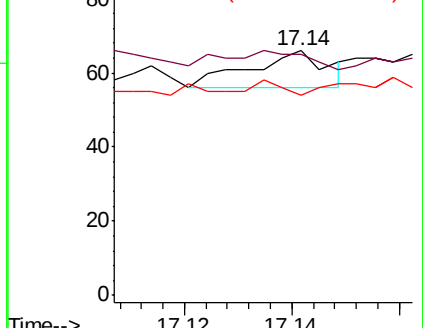
176 81.8 17.4 26.0#



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: 0.001 ng/ul

RT: 17.26 min Scan# 4648

Delta R.T. 0.03 min

Lab File: BM021769.D

Acq: 02 Aug 2019 22:48

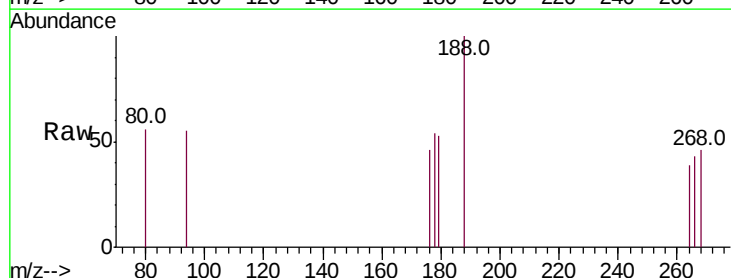
Tgt Ion:178 Resp: 5

Ion Ratio Lower Upper

178 100

179 98.5 15.2 22.8#

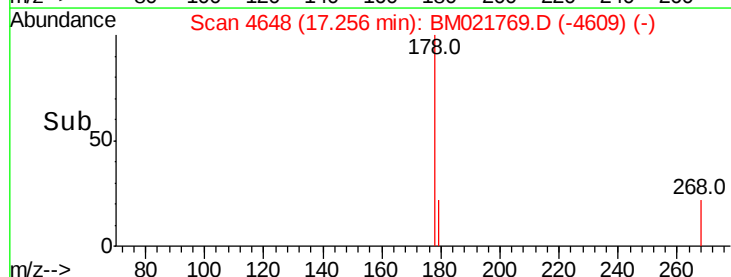
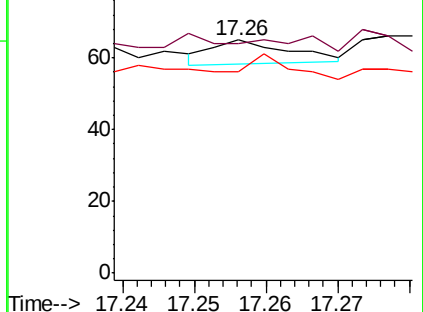
176 86.2 17.4 26.0#

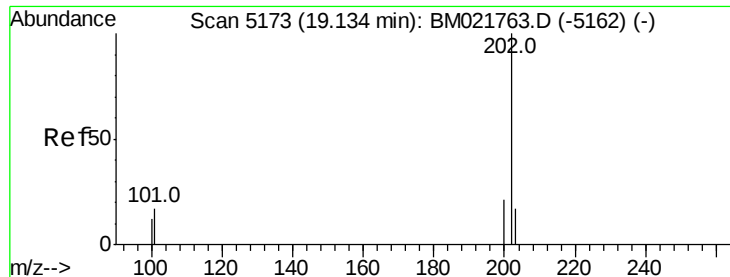


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.006 ng/ul

RT: 19.15 min Scan# 5178

Delta R.T. 0.02 min

Lab File: BM021769.D

Acq: 02 Aug 2019 22:48

Instrument :

BNA_M

ClientSampleId :

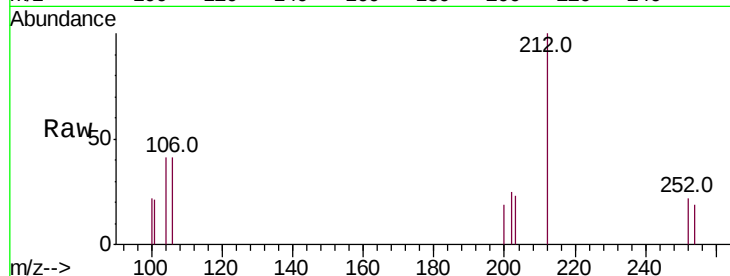
Tot Ion:202 Resp: 66

Ion Ratio Lower Upper

202 100

101 81.7 0.0 39.0#

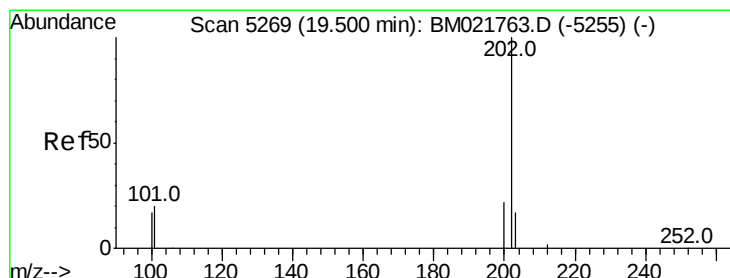
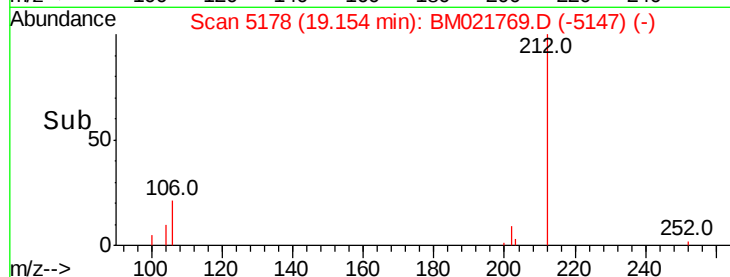
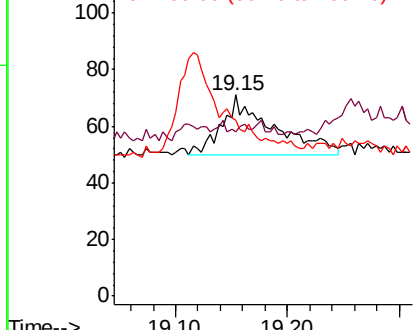
100 87.3 0.0 35.4#



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: 0.010 ng/ul

RT: 19.52 min Scan# 5274

Delta R.T. 0.02 min

Lab File: BM021769.D

Acq: 02 Aug 2019 22:48

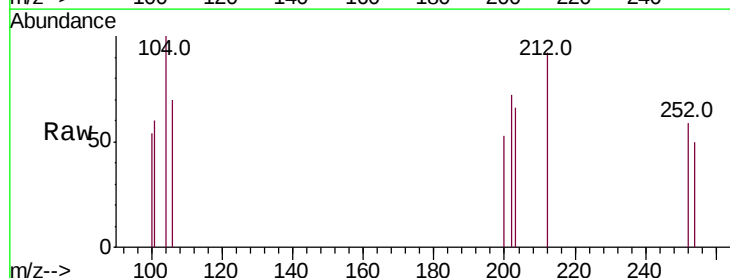
Tgt Ion:202 Resp: 97

Ion Ratio Lower Upper

202 100

101 82.9 18.0 27.0#

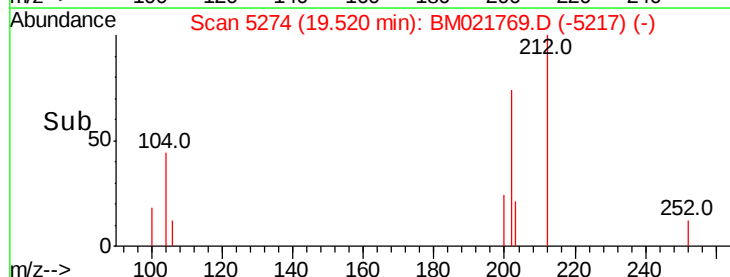
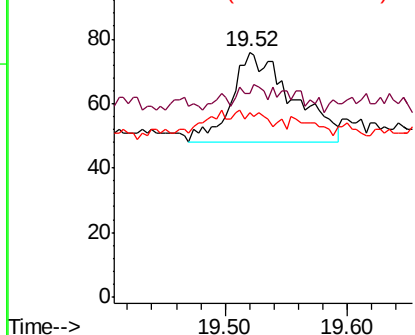
100 75.0 15.0 22.6#

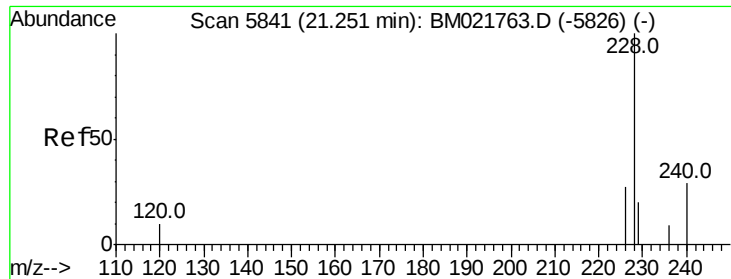


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.013 ng/ul

RT: 21.29 min Scan# 5858

Delta R.T. 0.04 min

Lab File: BM021769.D

Acq: 02 Aug 2019 22:48

Instrument :

BNA_M

ClientSampleId :

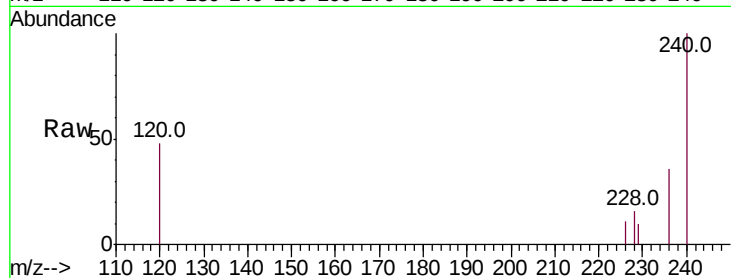
Tot Ion:228 Resp: 86

Ion Ratio Lower Upper

228 100

229 61.0 17.6 26.4#

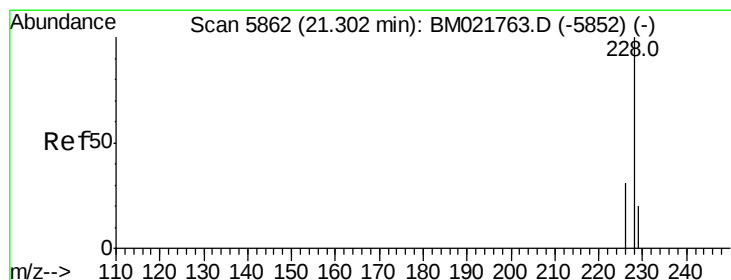
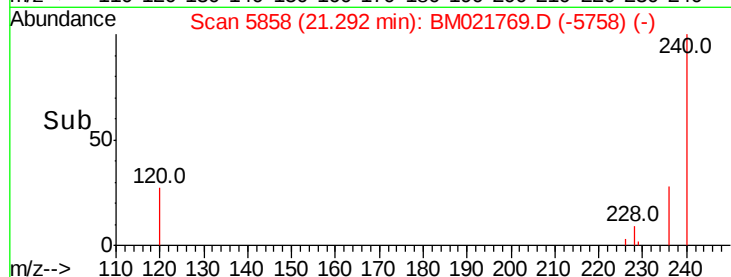
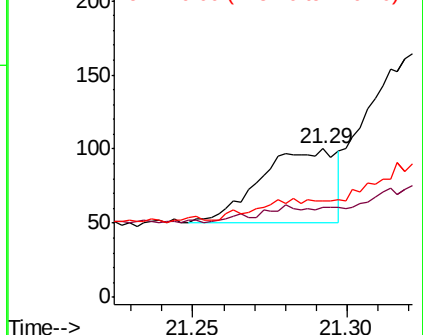
226 65.0 23.4 35.2#



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: 0.030 ng/ul

RT: 21.33 min Scan# 5872

Delta R.T. 0.02 min

Lab File: BM021769.D

Acq: 02 Aug 2019 22:48

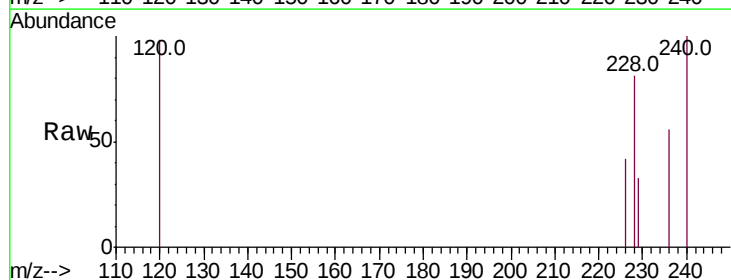
Tgt Ion:228 Resp: 342

Ion Ratio Lower Upper

228 100

226 51.5 25.4 38.0#

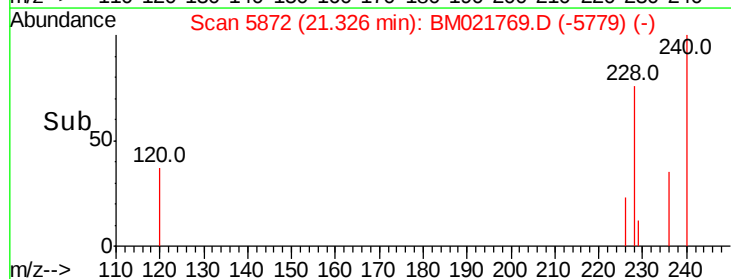
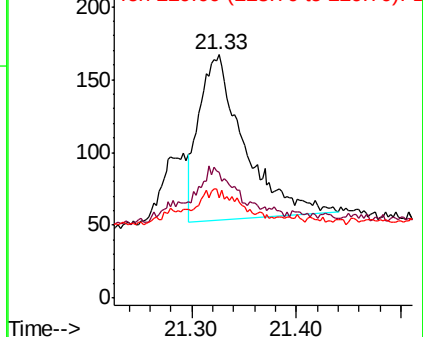
229 41.3 17.4 26.0#

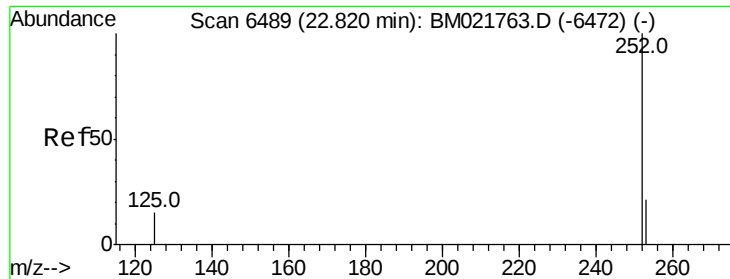


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.058 ng/ul

RT: 22.84 min Scan# 6498

Delta R.T. 0.02 min

Lab File: BM021769.D

Acq: 02 Aug 2019 22:48

Instrument :

BNA_M

ClientSampleId :

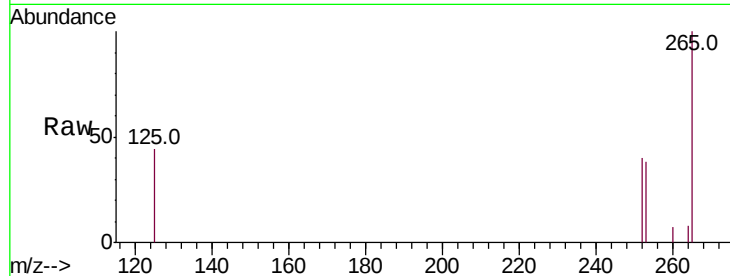
Tot Ion:252 Resp: 541

Ion Ratio Lower Upper

252 100

253 95.1 0.0 63.2#

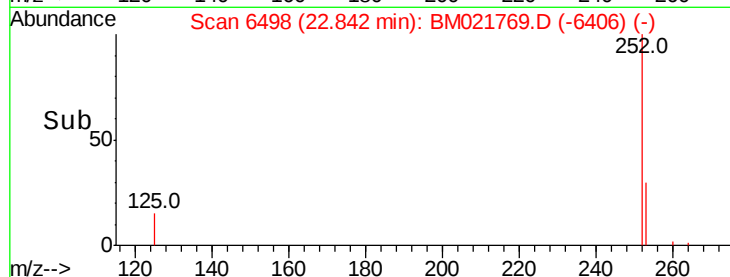
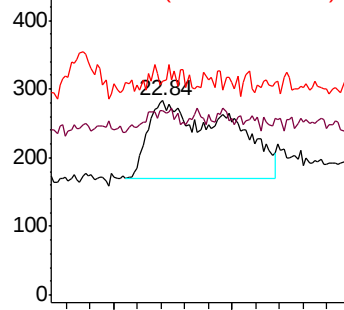
125 110.2 0.0 69.6#



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: 0.055 ng/ul

RT: 22.84 min Scan# 6498

Delta R.T. -0.02 min

Lab File: BM021769.D

Acq: 02 Aug 2019 22:48

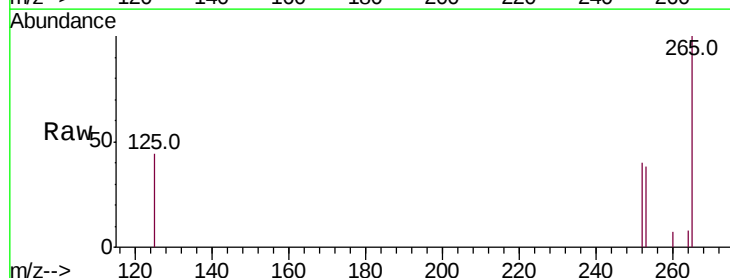
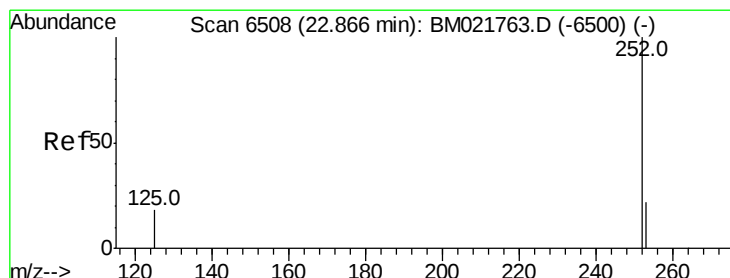
Tgt Ion:252 Resp: 541

Ion Ratio Lower Upper

252 100

253 95.1 26.4 39.6#

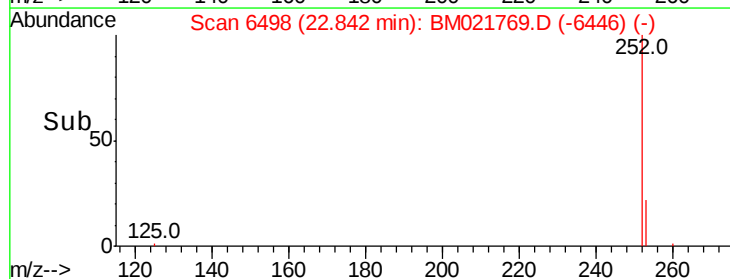
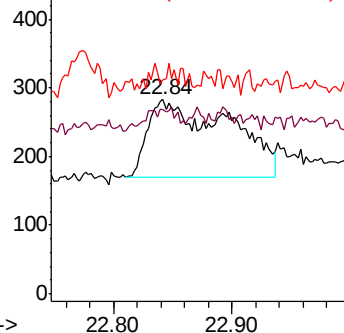
125 110.2 29.2 43.8#

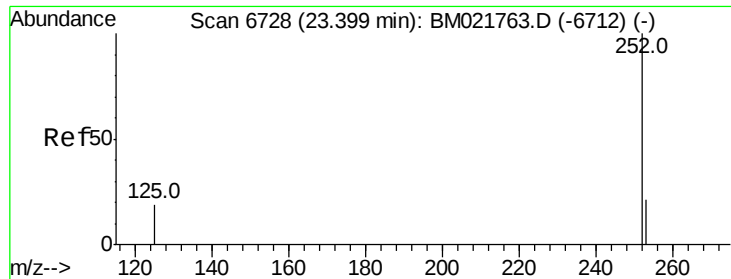


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.001 ng/u1

RT: 23.40 min Scan# 6728

Delta R.T. 0.00 min

Lab File: BM021769.D

Acq: 02 Aug 2019 22:48

Instrument :

BNA_M

ClientSampleId :

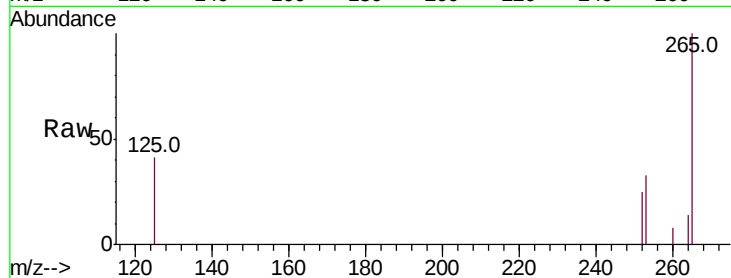
Tot Ion:252 Resp: 11

Ion Ratio Lower Upper

252 100

253 129.9 32.2 48.4#

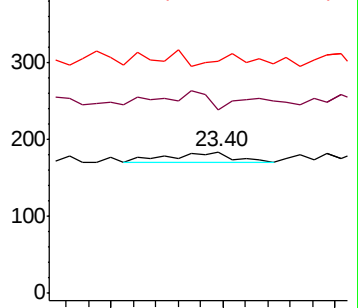
125 164.1 38.6 58.0#



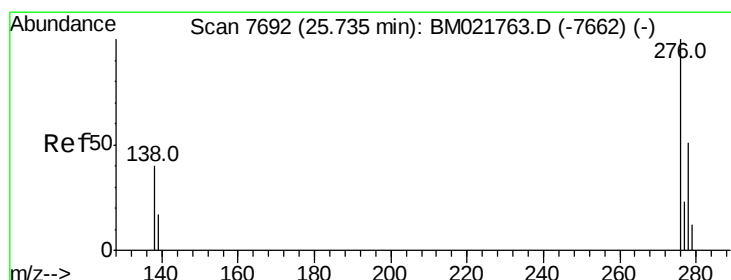
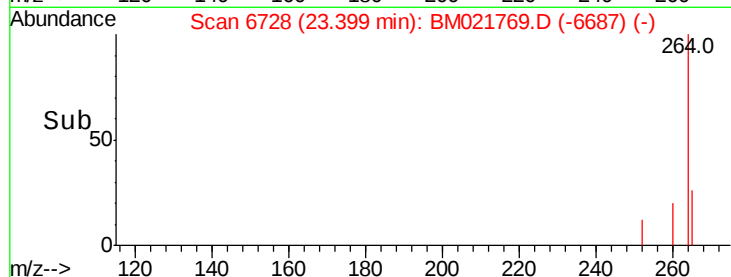
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.000 ng/u1

RT: 25.74 min Scan# 7696

Delta R.T. 0.01 min

Lab File: BM021769.D

Acq: 02 Aug 2019 22:48

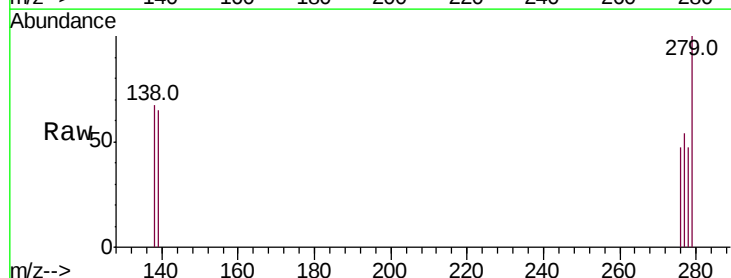
Tgt Ion:276 Resp: 1

Ion Ratio Lower Upper

276 100

138 200.0 35.1 52.7#

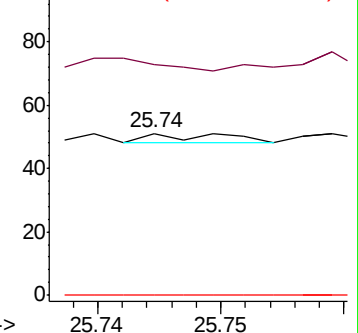
227 0.0 0.0 0.0



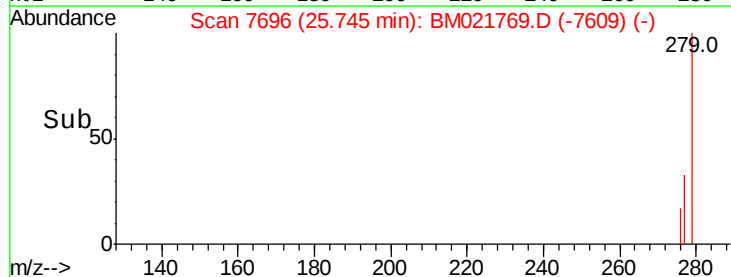
Abundance Ion 276.00 (275.70 to 276.70): E

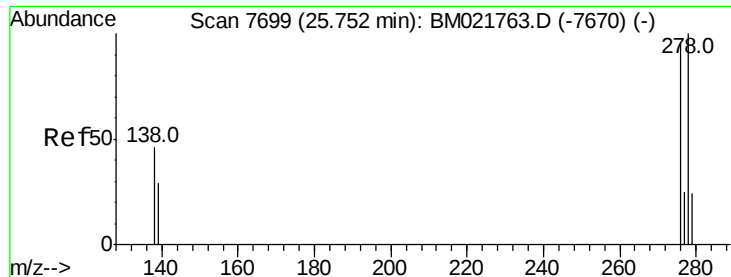
Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



Time-->

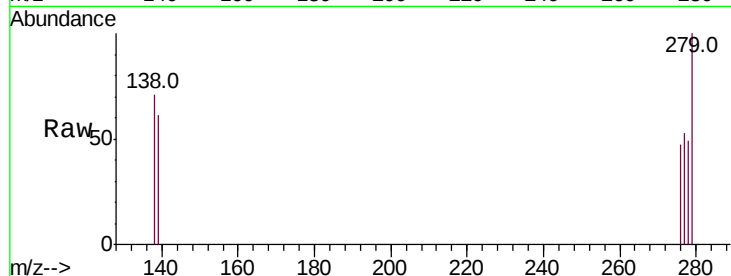




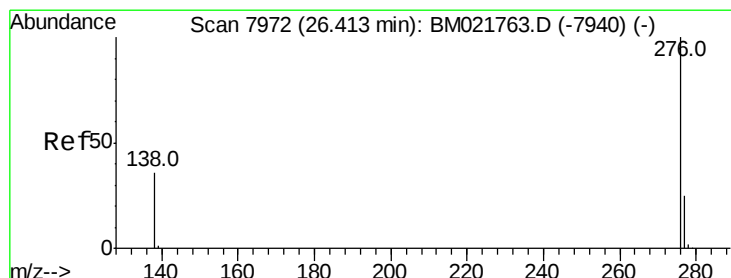
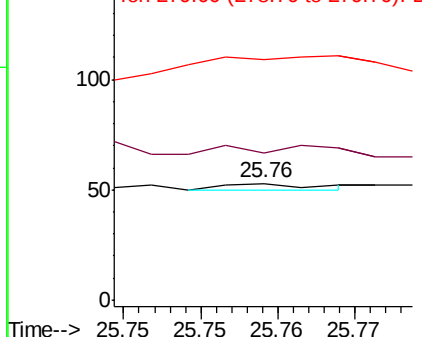
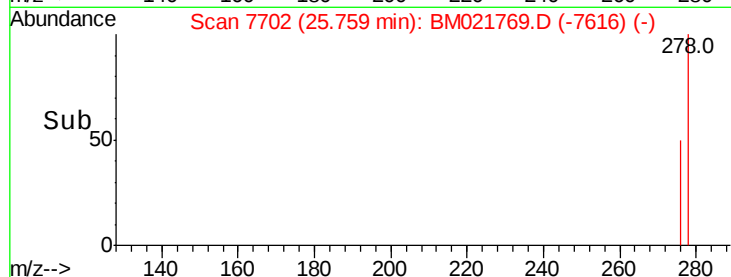
#25
Dibenzo(a,h)anthracene
Concen: 0.000 ng/ul
RT: 25.76 min Scan# 7702
Delta R.T. 0.01 min
Lab File: BM021769.D
Acq: 02 Aug 2019 22:48

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 1
Ion Ratio Lower Upper
278 100
139 126.4 31.6 47.4#
279 205.7 34.2 51.2#

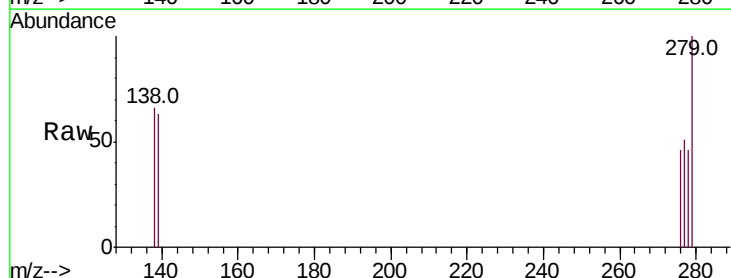


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.000 ng/ul
RT: 26.42 min Scan# 7976
Delta R.T. 0.01 min
Lab File: BM021769.D
Acq: 02 Aug 2019 22:48

Tgt Ion:276 Resp: 1
Ion Ratio Lower Upper
276 100
138 145.1 36.0 54.0#
277 111.8 24.4 36.6#



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

