

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
 Data File : BM022176.D
 Acq On : 16 Aug 2019 18:49
 Operator : HP/JU
 Sample : K4242-07 DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 04:14:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	662	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.39	136	2971	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.26	164	1742	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	4041	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	4499	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	4884	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	148	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	532	0.04	ng/ul	-0.02

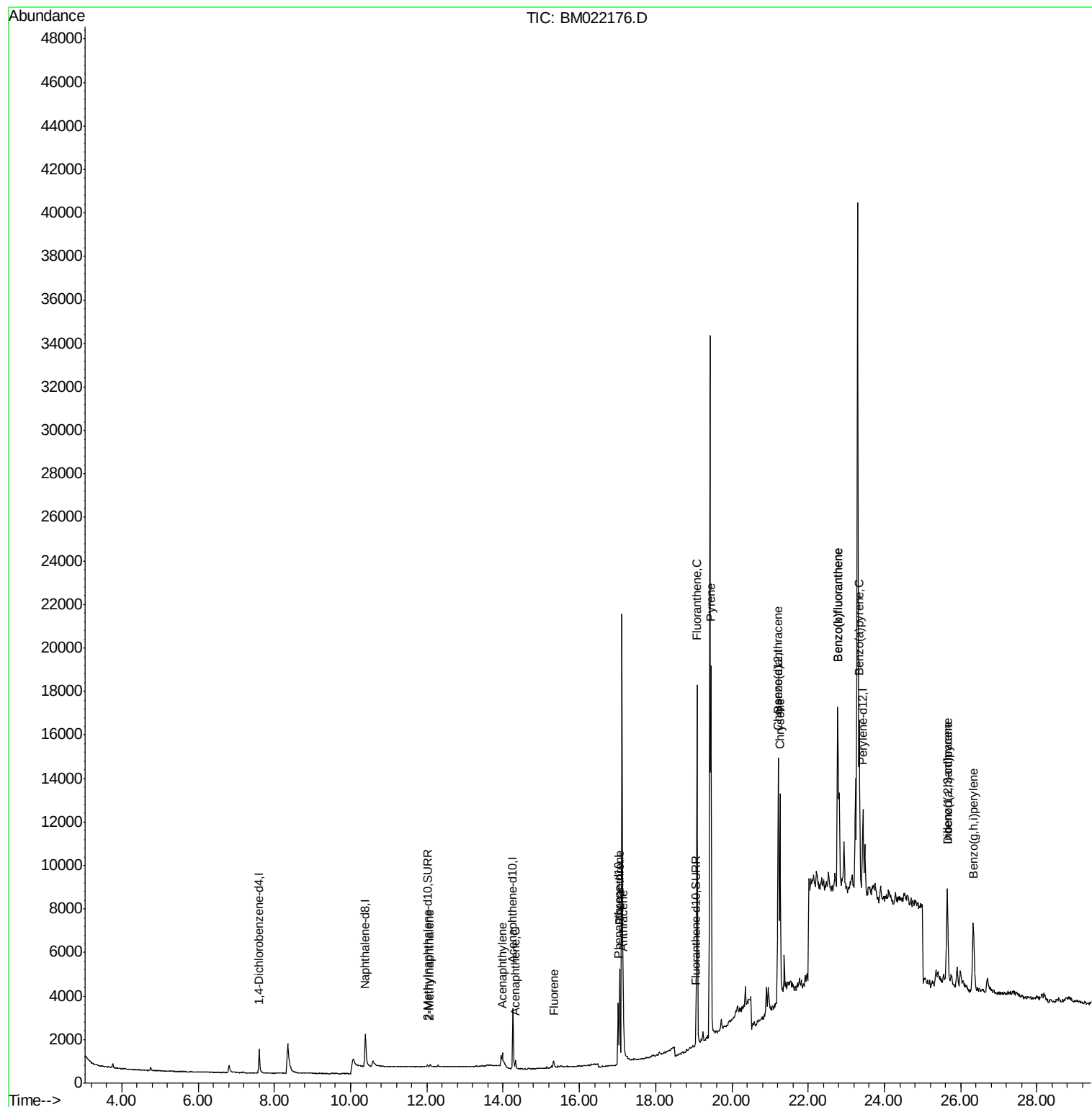
Target Compounds				Ovalue		
5) 2-Methylnaphthalene	12.08	142	141	0.025	ng/ul	96
7) Acenaphthylene	13.98	152	887	0.109	ng/ul#	75
8) Acenaphthene	14.32	153	255	0.038	ng/ul#	88
9) Fluorene	15.32	166	284	0.038	ng/ul#	78
12) Phenanthrene	17.06	178	5060	0.430	ng/ul	98
13) Anthracene	17.15	178	1767	0.176	ng/ul#	85
15) Fluoranthene	19.09	202	16063	1.020	ng/ul	95
17) Pyrene	19.45	202	15588	0.843	ng/ul	99
18) Benzo(a)anthracene	21.21	228	10531	0.654	ng/ul#	85
19) Chrysene	21.26	228	8872	0.429	ng/ul#	83
21) Benzo(b)fluoranthene	22.77	252	19195	1.165	ng/ul#	65
22) Benzo(k)fluoranthene	22.77	252	19084	1.024	ng/ul#	65
23) Benzo(a)pyrene	23.34	252	9891	0.591	ng/ul#	70
24) Indeno(1,2,3-cd)pyrene	25.65	276	7363	0.368	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.65	278	1855	0.115	ng/ul#	1
26) Benzo(a,h,i)perylene	26.33	276	6755	0.375	ng/ul#	62

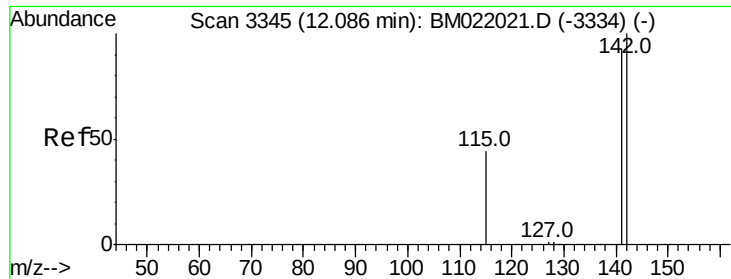
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

2-Methylnaphthalene

Concen: 0.025 ng/ul

RT: 12.08 min Scan# 3343

Delta R.T. -0.01 min

Lab File: BM022176.D

Acq: 16 Aug 2019 18:49

Instrument :

BNA_M

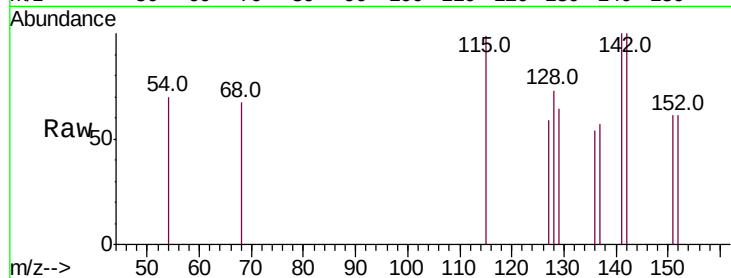
ClientSampleId :

Tot Ion:142 Resp: 141

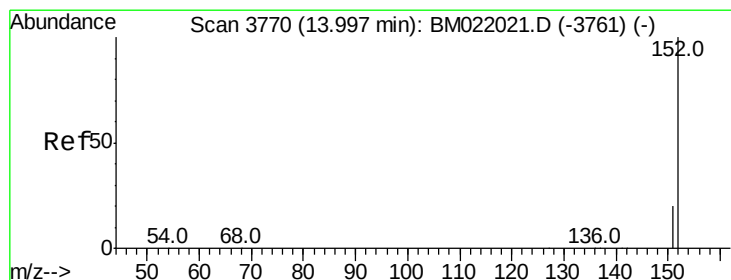
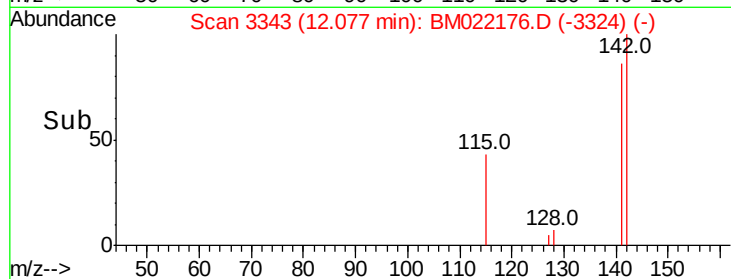
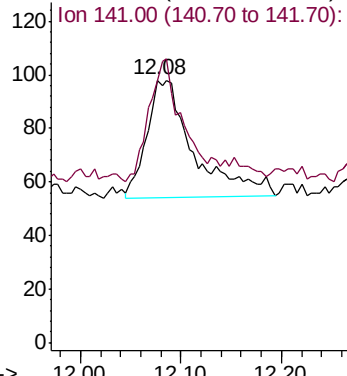
Ion Ratio Lower Upper

142 100

141 88.7 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E



#7

Acenaphthylene

Concen: 0.109 ng/ul

RT: 13.98 min Scan# 3767

Delta R.T. -0.01 min

Lab File: BM022176.D

Acq: 16 Aug 2019 18:49

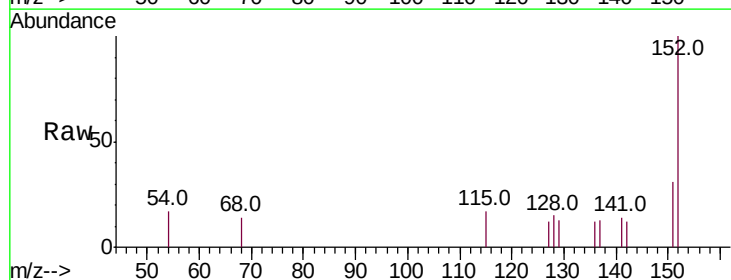
Tgt Ion:152 Resp: 887

Ion Ratio Lower Upper

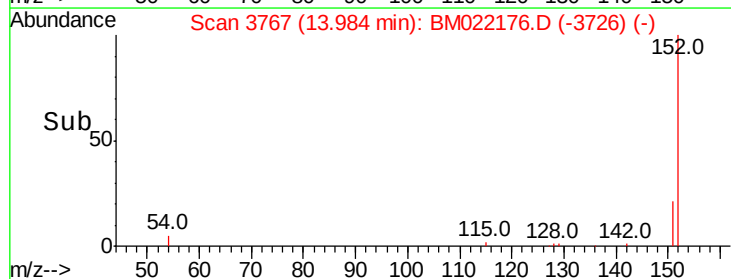
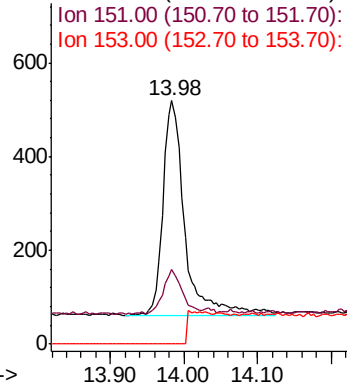
152 100

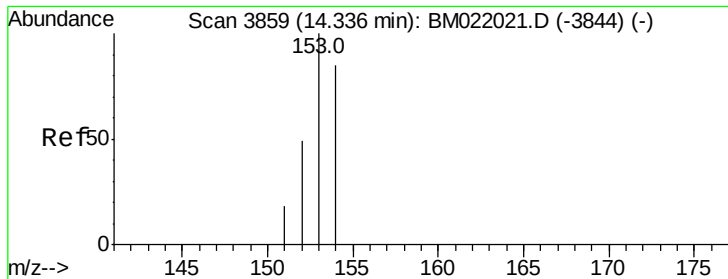
151 30.6 18.3 27.5#

153 0.0 12.8 19.2#



Abundance Ion 152.00 (151.70 to 152.70): E





#8

Acenaphthene

Concen: 0.038 ng/ul

RT: 14.32 min Scan# 3855

Delta R.T. -0.01 min

Lab File: BM022176.D

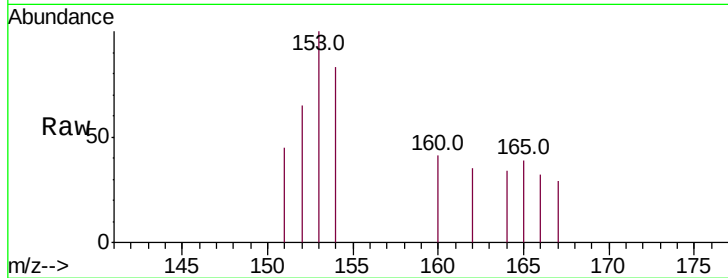
Acq: 16 Aug 2019 18:49

Instrument :

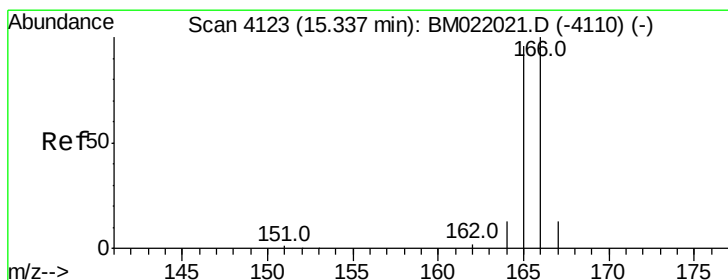
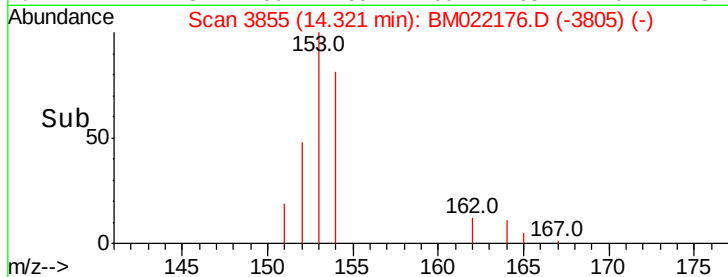
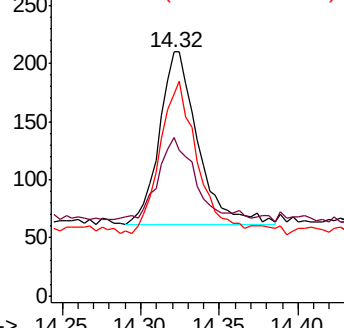
BNA_M

ClientSampleId :

Tot Ion:	153	Resp:	255
Ion	Ratio	Lower	Upper
153	100		
152	64.8	41.3	61.9#
154	82.9	72.3	108.5



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: 0.038 ng/ul

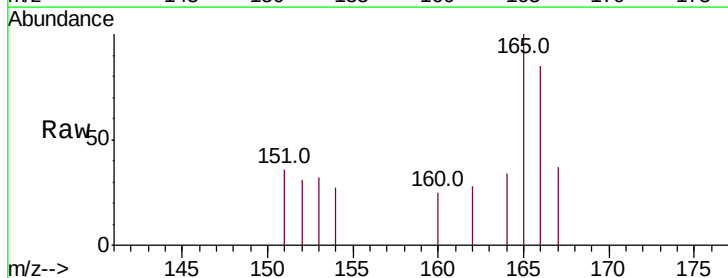
RT: 15.32 min Scan# 4118

Delta R.T. -0.02 min

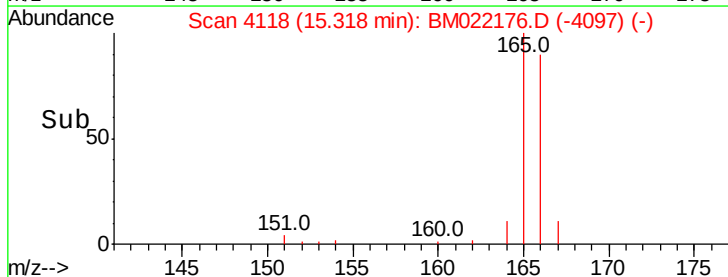
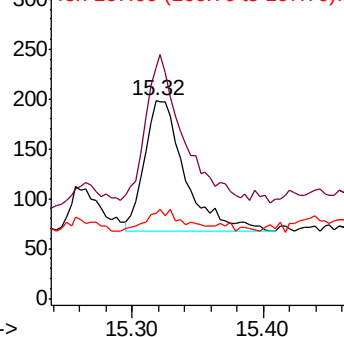
Lab File: BM022176.D

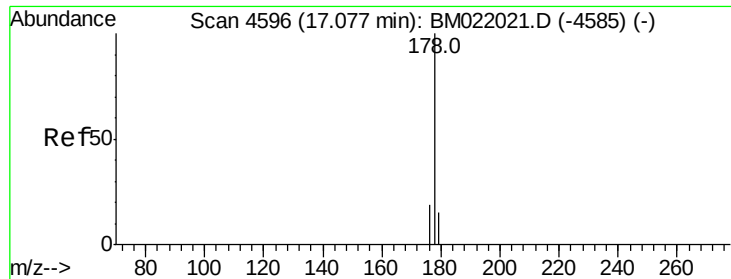
Acq: 16 Aug 2019 18:49

Tgt Ion:	166	Resp:	284
Ion	Ratio	Lower	Upper
166	100		
165	117.2	81.4	122.0
167	42.9	13.7	20.5#



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





#12

Phenanthrene

Concen: 0.430 ng/ul

RT: 17.06 min Scan# 4591

Delta R.T. -0.02 min

Lab File: BM022176.D

Acq: 16 Aug 2019 18:49

Instrument :

BNA_M

ClientSampleId :

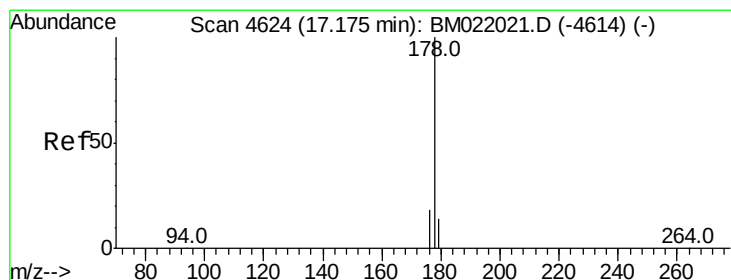
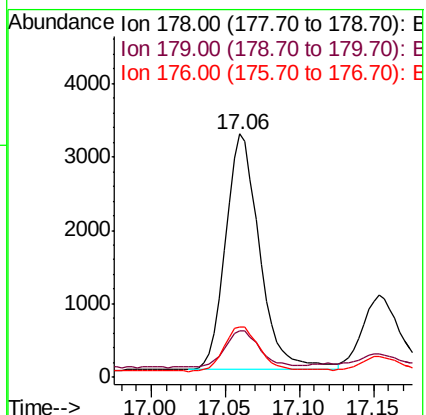
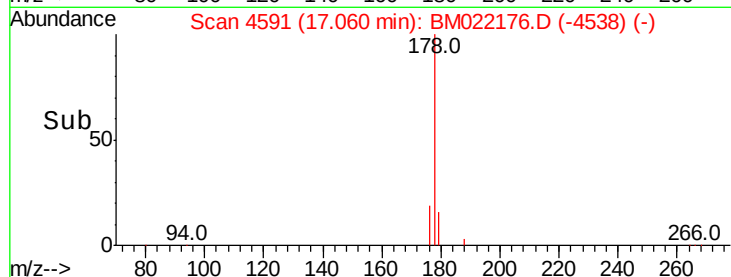
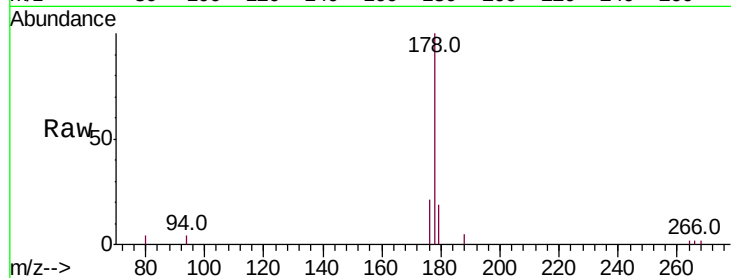
Tot Ion:178 Resp: 5060

Ion Ratio Lower Upper

178 100

179 19.0 14.2 21.2

176 20.8 16.8 25.2



#13

Anthracene

Concen: 0.176 ng/ul

RT: 17.15 min Scan# 4618

Delta R.T. -0.02 min

Lab File: BM022176.D

Acq: 16 Aug 2019 18:49

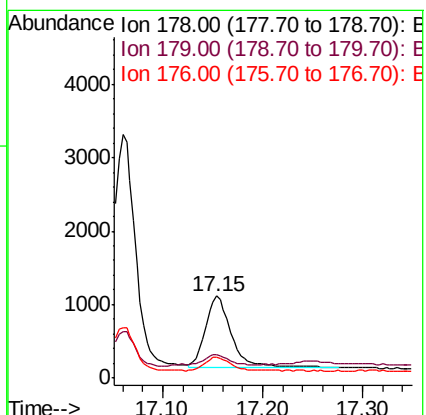
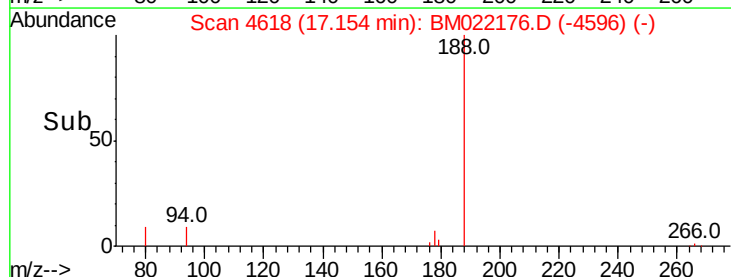
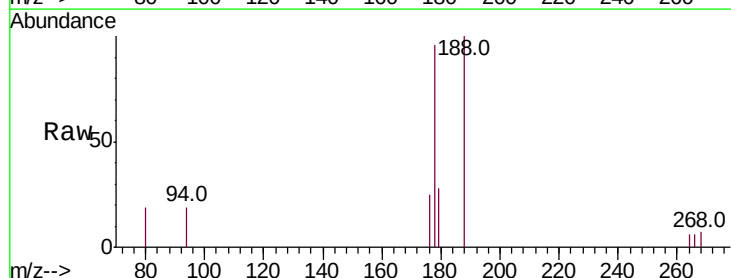
Tgt Ion:178 Resp: 1767

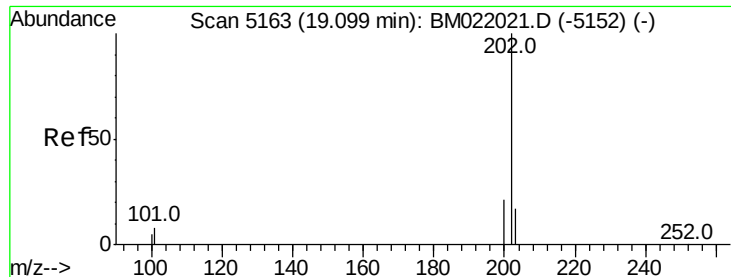
Ion Ratio Lower Upper

178 100

179 28.9 15.5 23.3#

176 25.7 16.6 25.0#





#15

Fluoranthene

Concen: 1.020 ng/ul

RT: 19.09 min Scan# 5160

Delta R.T. -0.01 min

Lab File: BM022176.D

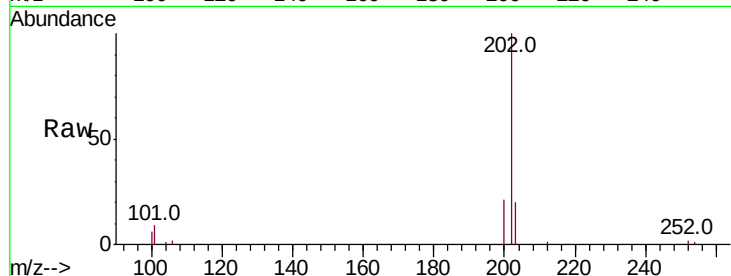
Acq: 16 Aug 2019 18:49

Instrument :

BNA_M

ClientSampled :

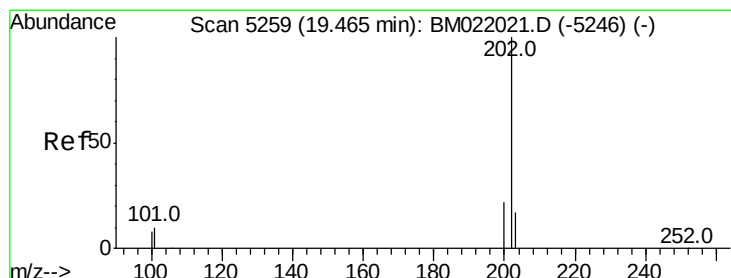
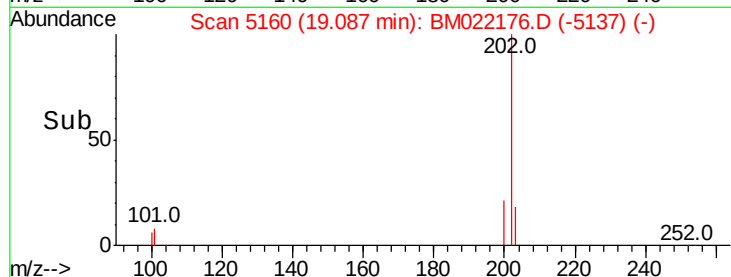
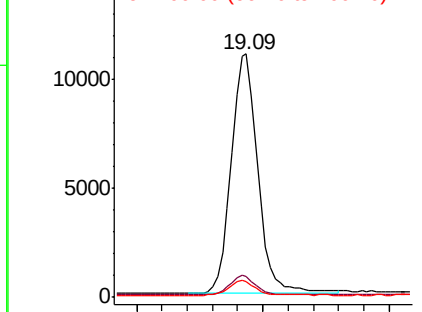
Tot Ion:	202	Resp:	16063
Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	30.2
100	6.4	0.0	28.1



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: 0.843 ng/ul

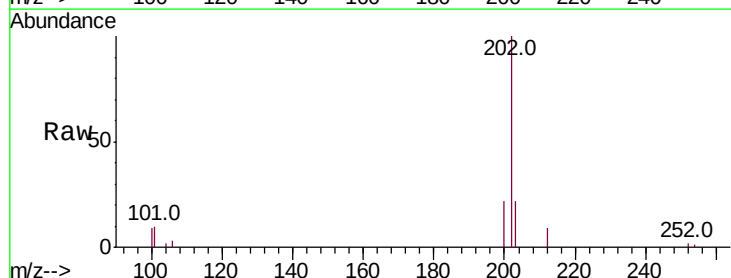
RT: 19.45 min Scan# 5255

Delta R.T. -0.02 min

Lab File: BM022176.D

Acq: 16 Aug 2019 18:49

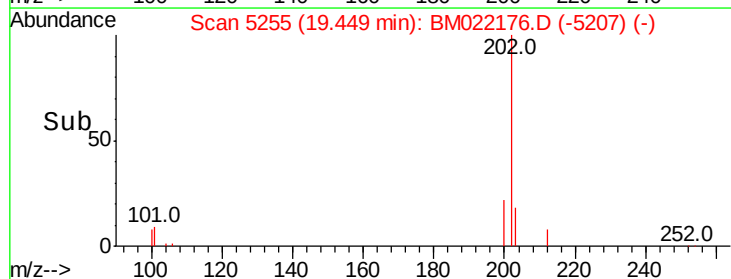
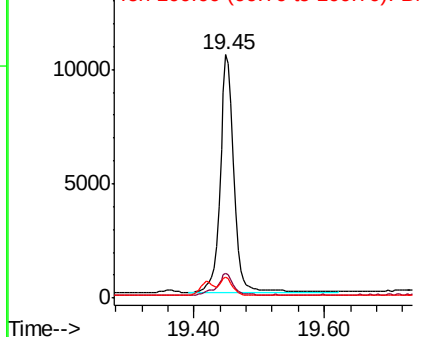
Tgt Ion:	202	Resp:	15588
Ion	Ratio	Lower	Upper
202	100		
101	10.2	8.3	12.5
100	8.7	7.2	10.8

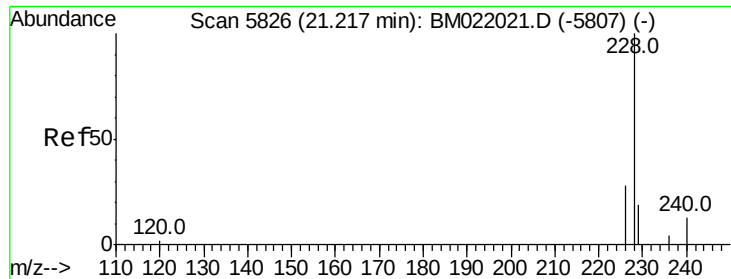


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

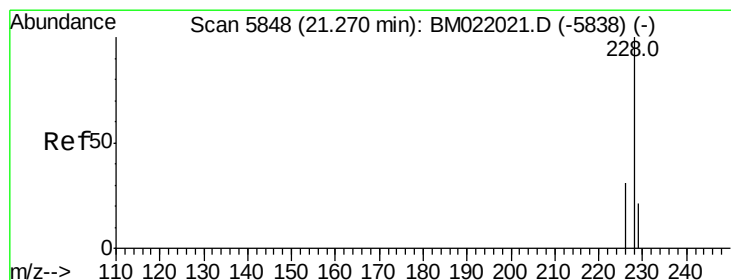
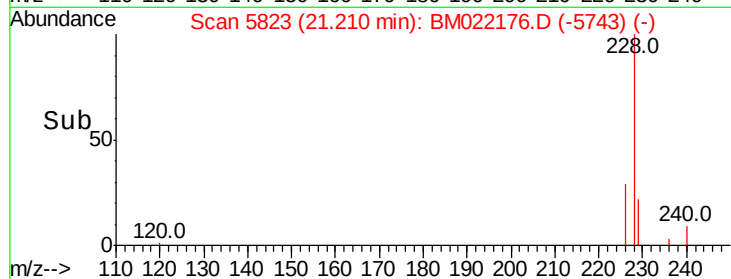
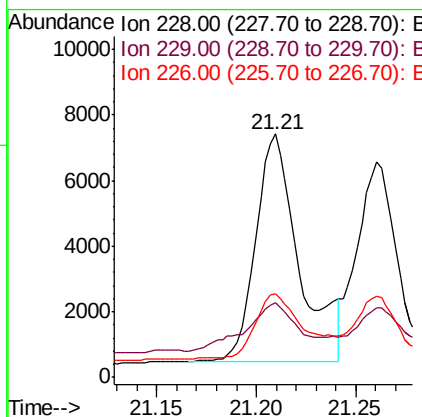
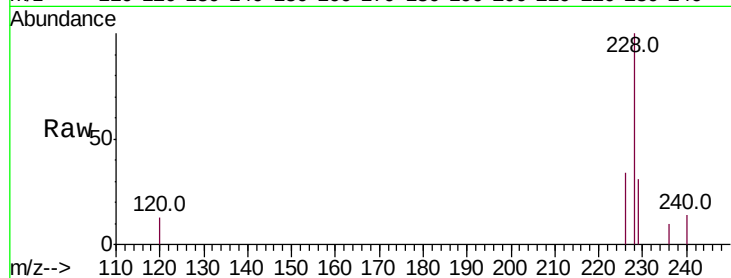




#18
Benzo(a)anthracene
Concen: 0.654 ng/ul
RT: 21.21 min Scan# 5823
Delta R.T. -0.01 min
Lab File: BM022176.D
Acq: 16 Aug 2019 18:49

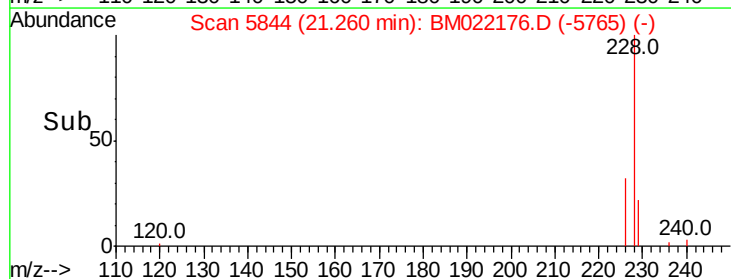
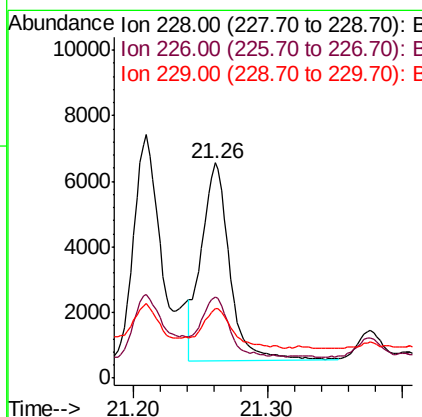
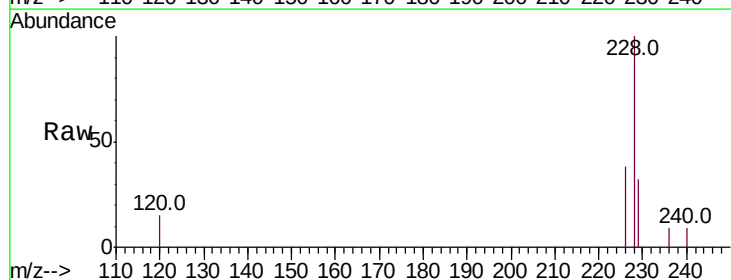
Instrument :
BNA_M
ClientSampleId :

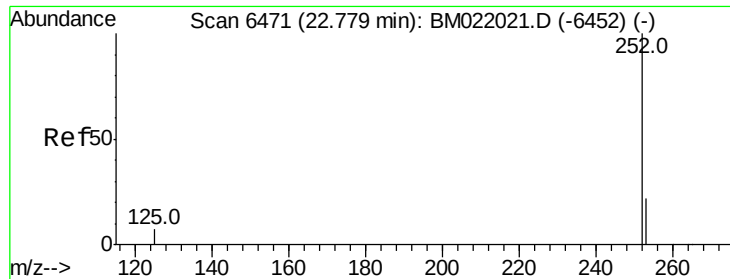
Tot Ion:228 Resp: 10531
Ion Ratio Lower Upper
228 100
229 30.6 17.2 25.8#
226 34.4 22.6 34.0#



#19
Chrysene
Concen: 0.429 ng/ul
RT: 21.26 min Scan# 5844
Delta R.T. -0.01 min
Lab File: BM022176.D
Acq: 16 Aug 2019 18:49

Tgt Ion:228 Resp: 8872
Ion Ratio Lower Upper
228 100
226 37.9 24.9 37.3#
229 32.1 16.6 25.0#





#21

Benzo(b)fluoranthene

Concen: 1.165 ng/ul

RT: 22.77 min Scan# 6469

Delta R.T. -0.00 min

Lab File: BM022176.D

Acq: 16 Aug 2019 18:49

Instrument :

BNA_M

ClientSampleId :

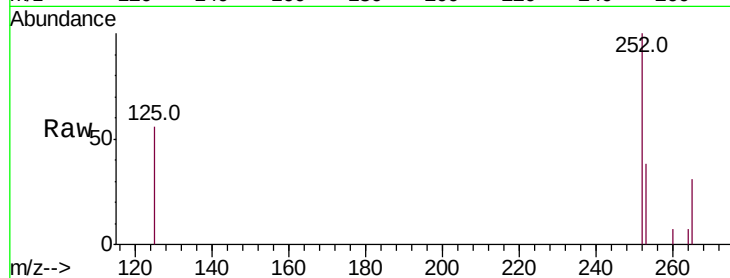
Tot Ion:252 Resp: 19195

Ion Ratio Lower Upper

252 100

253 37.6 0.0 67.4

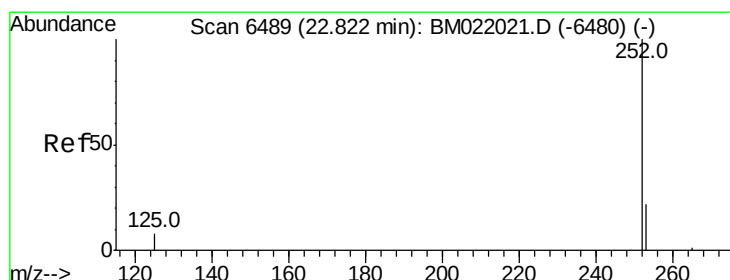
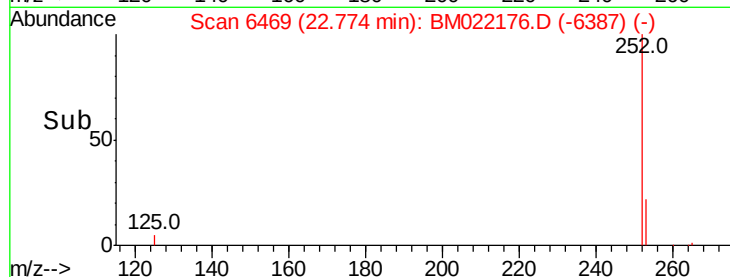
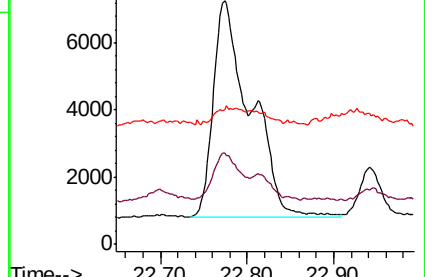
125 55.6 0.0 31.0#



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



#22

Benzo(k)fluoranthene

Concen: 1.024 ng/ul

RT: 22.77 min Scan# 6469

Delta R.T. -0.05 min

Lab File: BM022176.D

Acq: 16 Aug 2019 18:49

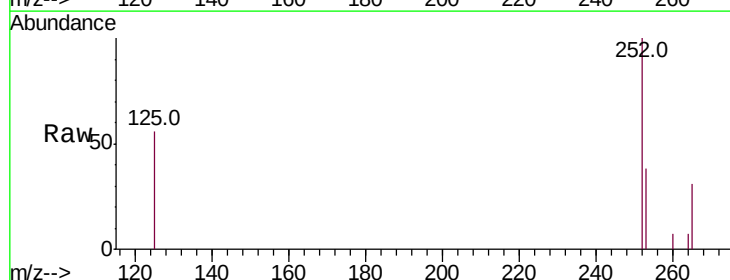
Tgt Ion:252 Resp: 19084

Ion Ratio Lower Upper

252 100

253 37.6 27.0 40.4

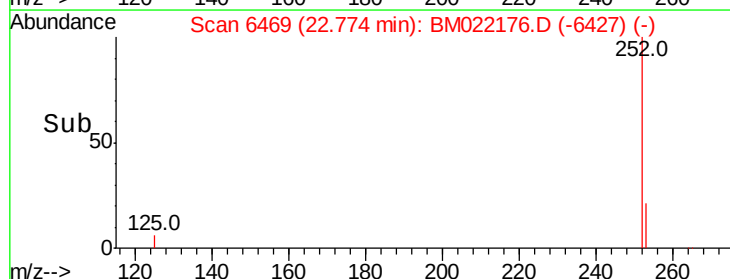
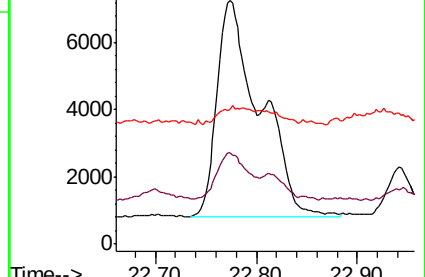
125 55.6 12.2 18.2#

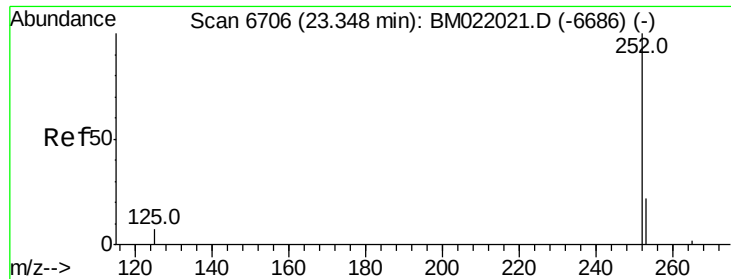


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.591 ng/ul

RT: 23.34 min Scan# 6702

Delta R.T. -0.01 min

Lab File: BM022176.D

Acq: 16 Aug 2019 18:49

Instrument :

BNA_M

ClientSampleId :

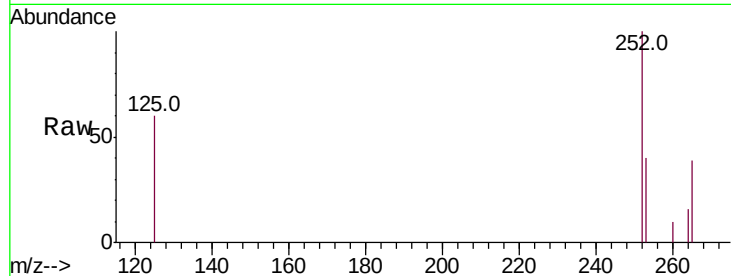
Tot Ion:252 Resp: 9891

Ion Ratio Lower Upper

252 100

253 40.1 31.7 47.5

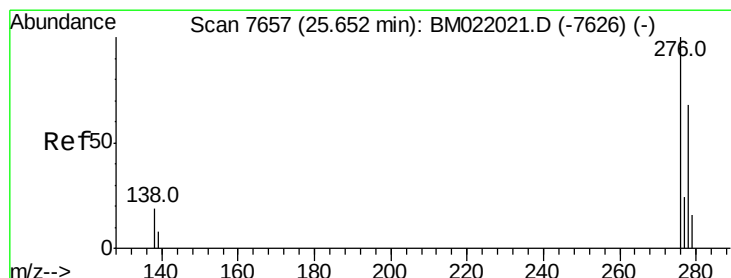
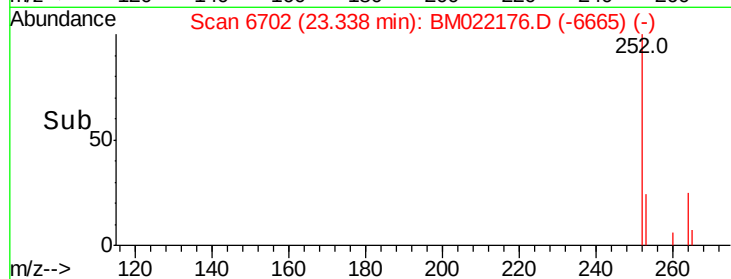
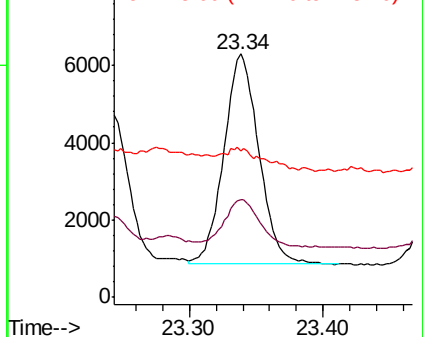
125 60.3 14.6 21.8#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.368 ng/ul

RT: 25.65 min Scan# 7655

Delta R.T. -0.01 min

Lab File: BM022176.D

Acq: 16 Aug 2019 18:49

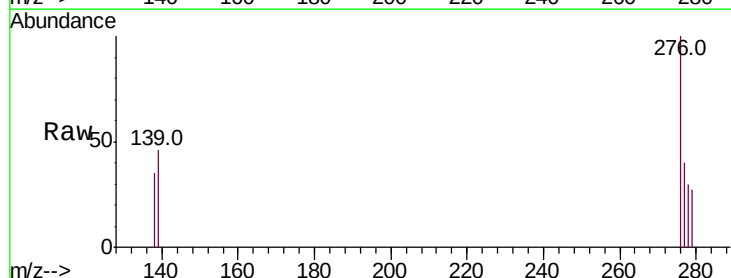
Tgt Ion:276 Resp: 7363

Ion Ratio Lower Upper

276 100

138 13.2 15.1 22.7#

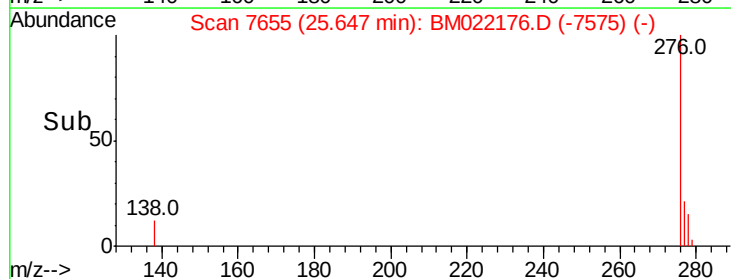
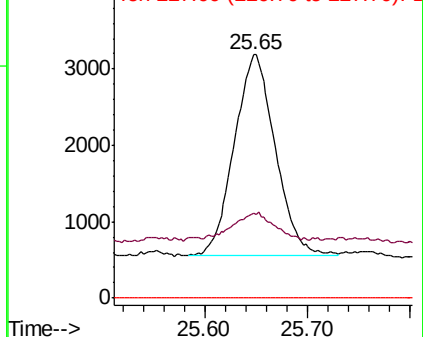
227 0.0 0.0 0.0

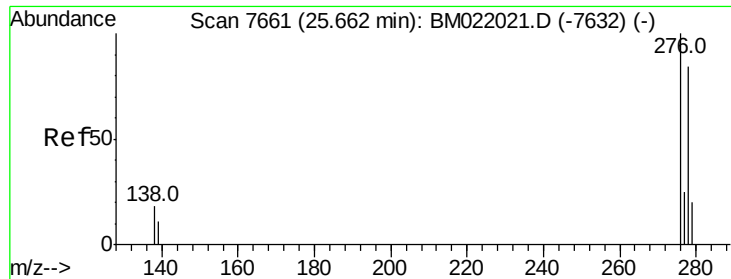


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.115 ng/ul

RT: 25.65 min Scan# 7656

Delta R.T. -0.01 min

Lab File: BM022176.D

Acq: 16 Aug 2019 18:49

Instrument :

BNA_M

ClientSampleId :

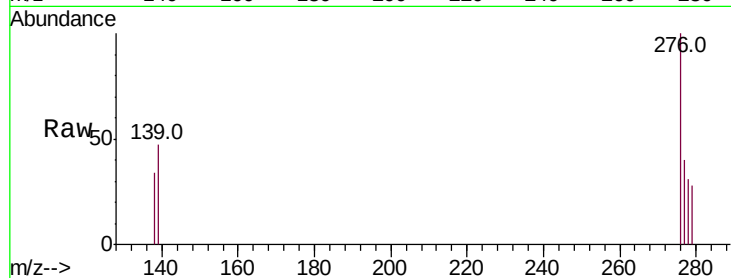
Tot Ion:278 Resp: 1855

Ion Ratio Lower Upper

278 100

139 150.6 14.2 21.2#

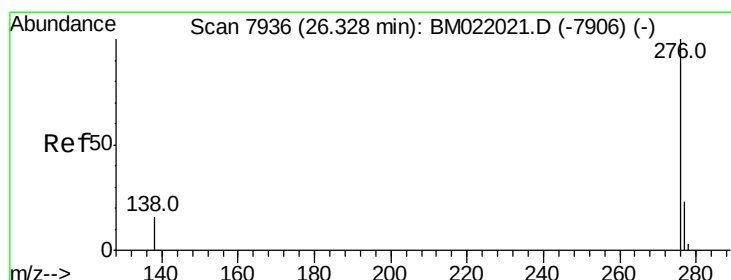
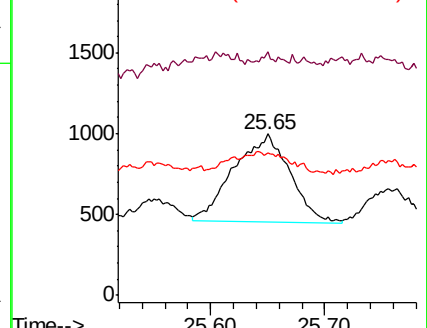
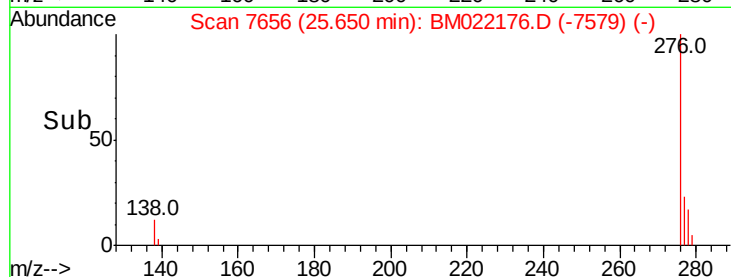
279 88.4 28.3 42.5#



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: 0.375 ng/ul

RT: 26.33 min Scan# 7938

Delta R.T. -0.00 min

Lab File: BM022176.D

Acq: 16 Aug 2019 18:49

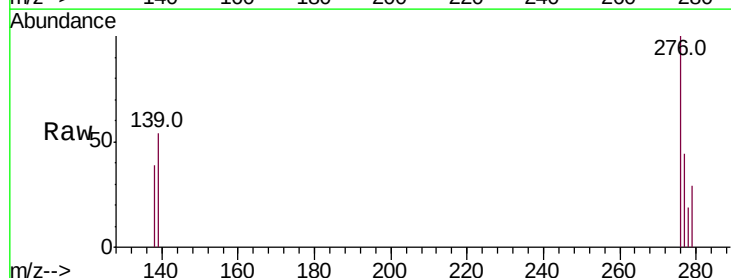
Tgt Ion:276 Resp: 6755

Ion Ratio Lower Upper

276 100

138 38.9 15.5 23.3#

277 44.3 21.4 32.2#



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

