

Data File : BM022074.D
Acq On : 13 Aug 2019 17:34
Operator : HP/JU
Sample : K4041-01DL 10X
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENW1DL

Quant Time: Aug 14 07:21:46 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	689	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	2907	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	1534	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	3303	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	3336	0.40	ng/ul	-0.01
20) Perylene-d12	23.43	264	3434	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	164	0.03	ng/ul	0.01
14) Fluoranthene-d10	19.06	212	404	0.04	ng/ul	-0.01

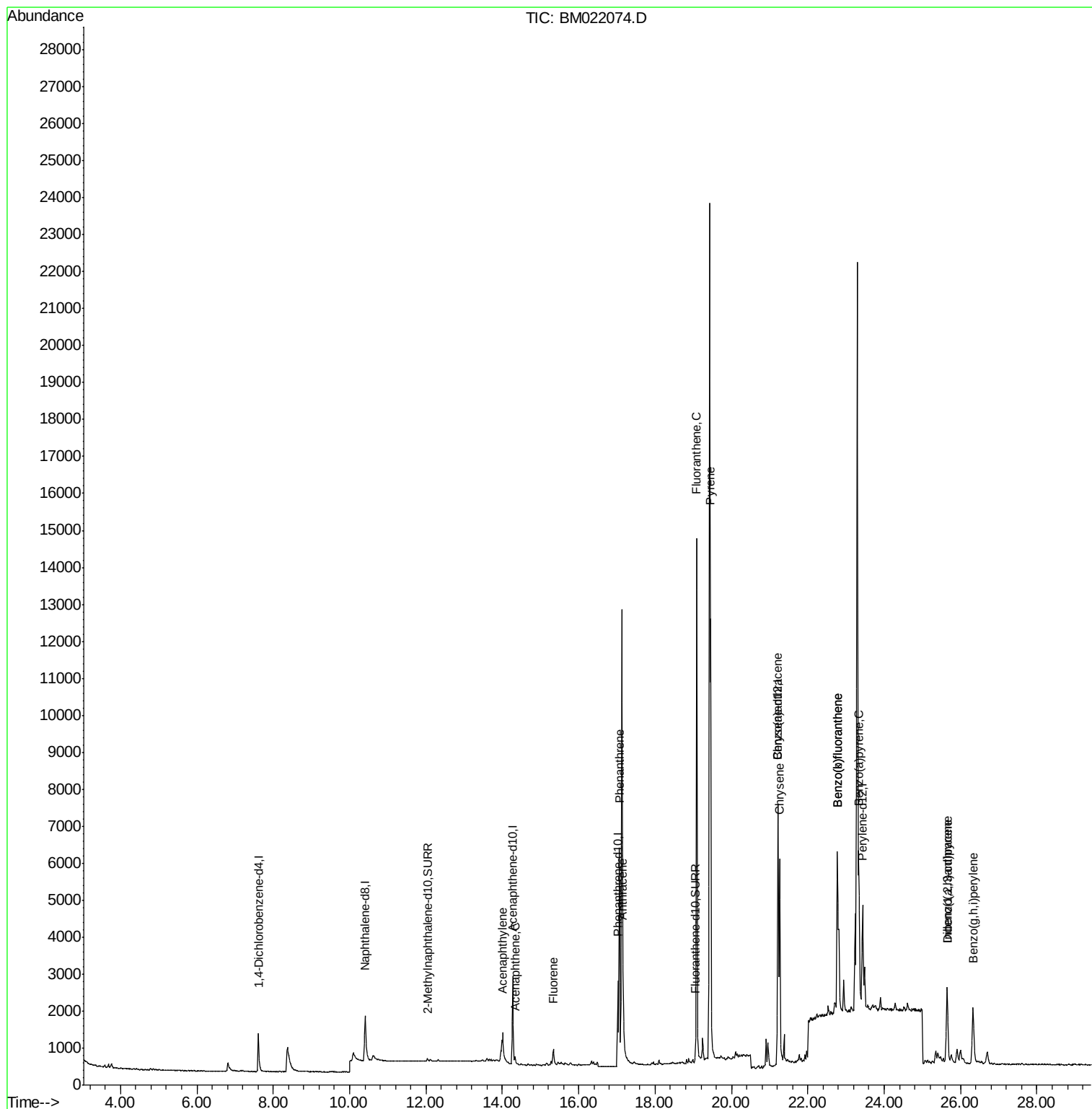
Target Compounds				Qvalue		
7) Acenaphthylene	13.99	152	918	0.128	ng/ul#	78
8) Acenaphthene	14.34	153	124	0.021	ng/ul#	90
9) Fluorene	15.33	166	407	0.063	ng/ul#	92
12) Phenanthrene	17.07	178	7306	0.760	ng/ul	98
13) Anthracene	17.16	178	1796	0.219	ng/ul	93
15) Fluoranthene	19.09	202	13100	1.018	ng/ul	98
17) Pyrene	19.45	202	12153	0.887	ng/ul	99
18) Benzo(a)anthracene	21.21	228	6178	0.518	ng/ul	97
19) Chrysene	21.26	228	5587	0.364	ng/ul	97
21) Benzo(b)fluoranthene	22.77	252	10510	0.908	ng/ul	97
22) Benzo(k)fluoranthene	22.77	252	10510	0.802	ng/ul	97
23) Benzo(a)pyrene	23.33	252	5237	0.445	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	25.65	276	3554	0.253	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.65	278	860	0.076	ng/ul#	44
26) Benzo(g,h,i)perylene	26.33	276	3435	0.271	ng/ul#	92

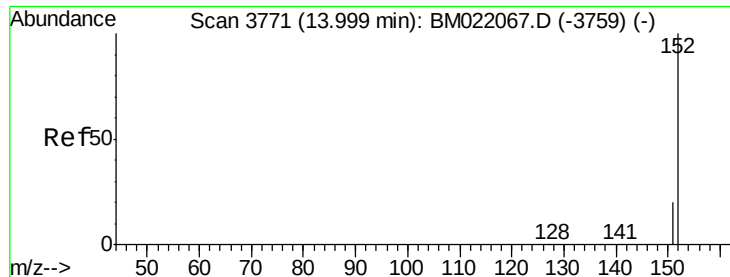
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.128 ng/ul

RT: 13.99 min Scan# 3769

Delta R.T. -0.01 min

Lab File: BM022074.D

Acq: 13 Aug 2019 17:34

Instrument :

BNA_M

ClientSampleId :

BENW1DL

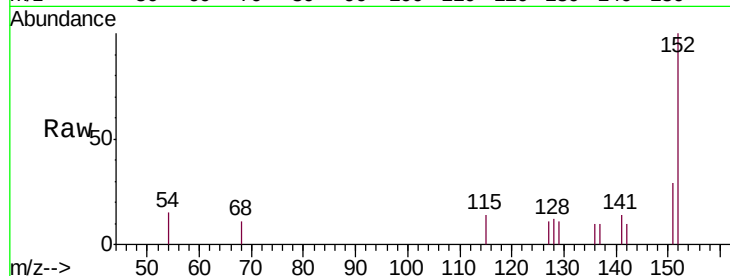
Tgt Ion:152 Resp: 918

Ion Ratio Lower Upper

152 100

151 28.6 18.3 27.5#

153 0.0 12.8 19.2#



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

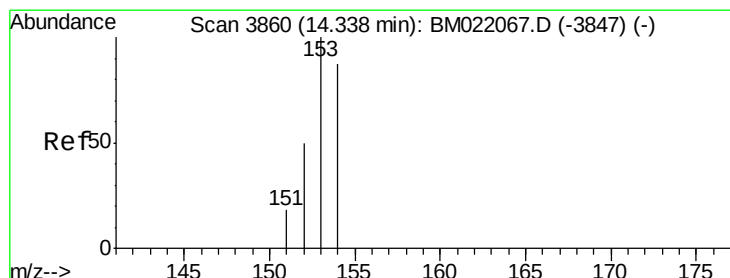
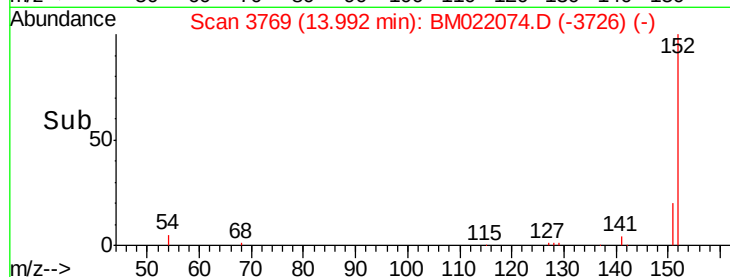
13.99

400

200

0

Time-->



#8

Acenaphthene

Concen: 0.021 ng/ul

RT: 14.34 min Scan# 3859

Delta R.T. -0.00 min

Lab File: BM022074.D

Acq: 13 Aug 2019 17:34

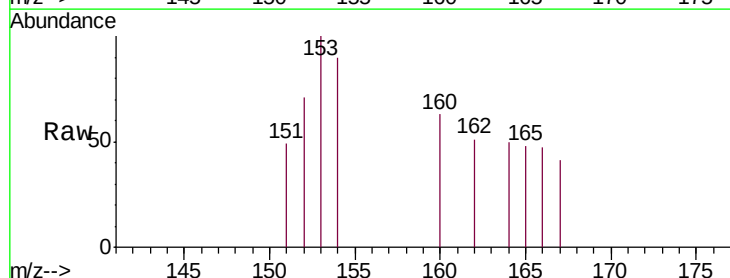
Tgt Ion:153 Resp: 124

Ion Ratio Lower Upper

153 100

152 70.6 41.3 61.9#

154 89.7 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

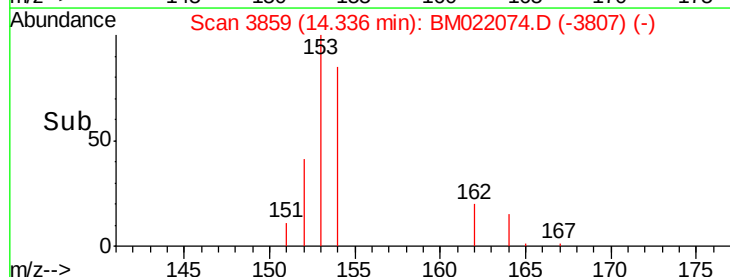
14.34

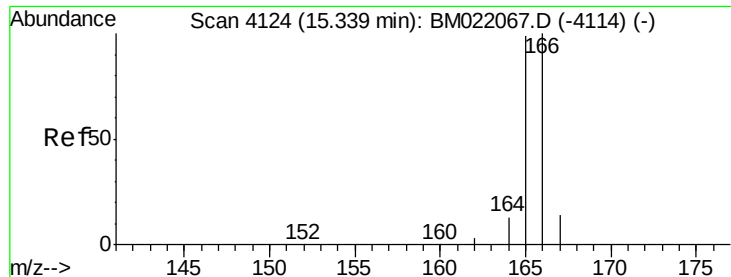
150

100

50

Time-->

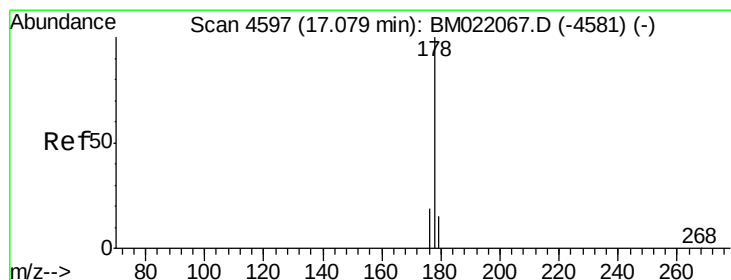
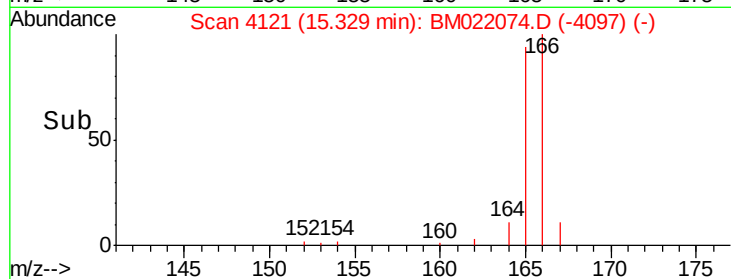
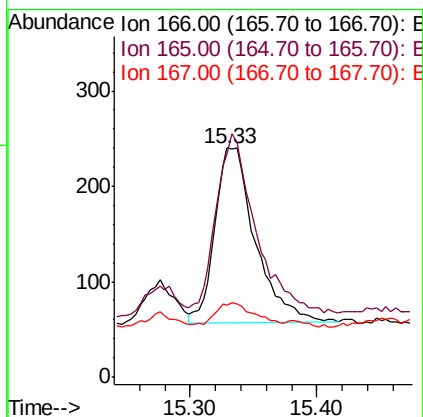
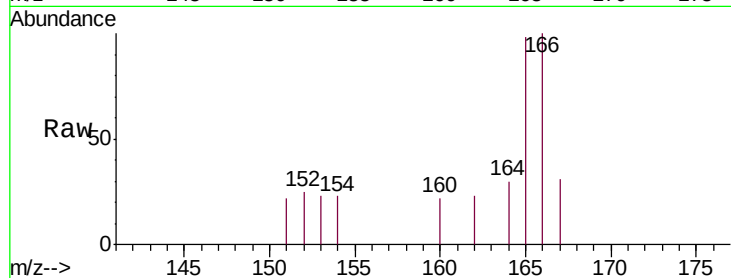




#9
Fluorene
 Concen: 0.063 ng/ul
 RT: 15.33 min Scan# 4121
 Delta R.T. -0.01 min
 Lab File: BM022074.D
 Acq: 13 Aug 2019 17:34

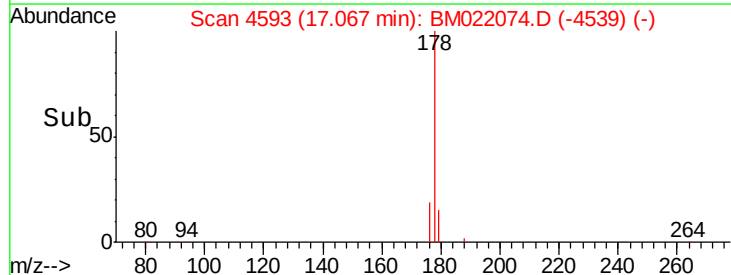
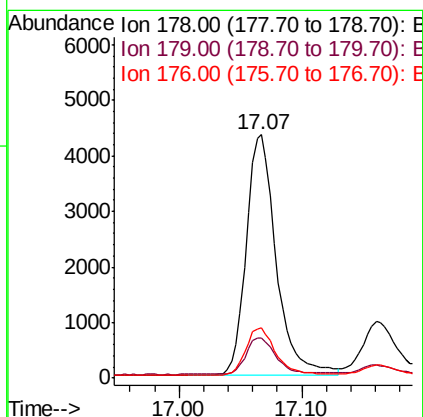
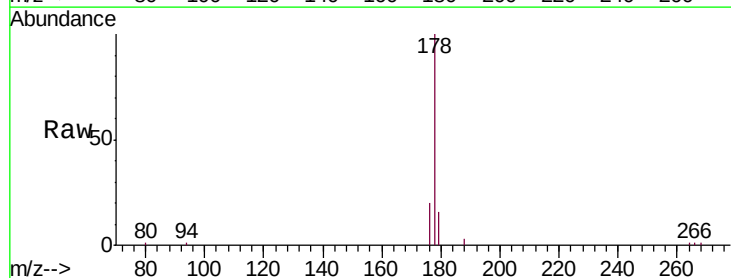
Instrument :
 BNA_M
 ClientSampleId :
 BENW1DL

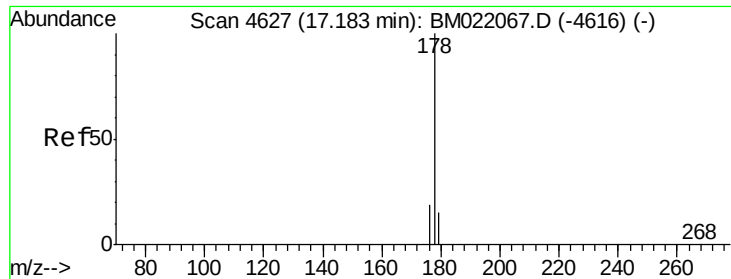
Tgt Ion:166 Resp: 407
 Ion Ratio Lower Upper
 166 100
 165 97.5 81.4 122.0
 167 31.3 13.7 20.5#



#12
Phenanthrene
 Concen: 0.760 ng/ul
 RT: 17.07 min Scan# 4593
 Delta R.T. -0.01 min
 Lab File: BM022074.D
 Acq: 13 Aug 2019 17:34

Tgt Ion:178 Resp: 7306
 Ion Ratio Lower Upper
 178 100
 179 16.5 14.2 21.2
 176 20.4 16.8 25.2





#13

Anthracene

Concen: 0.219 ng/ul

RT: 17.16 min Scan# 4620

Delta R.T. -0.02 min

Lab File: BM022074.D

Acq: 13 Aug 2019 17:34

Instrument :

BNA_M

ClientSampleId :

BENW1DL

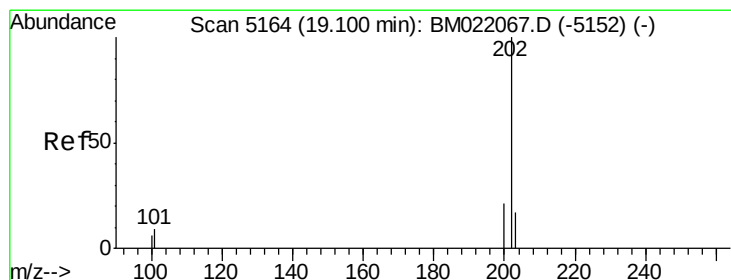
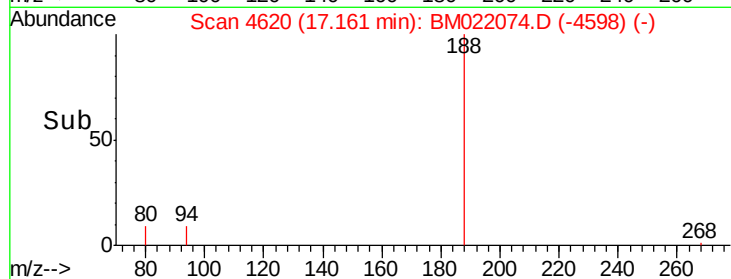
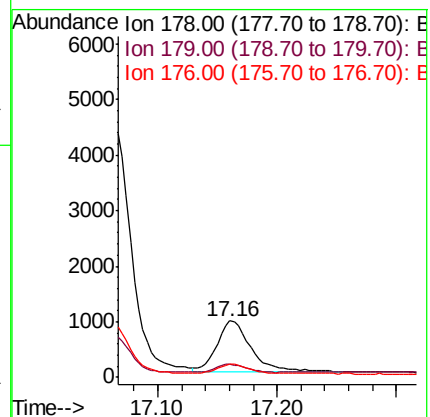
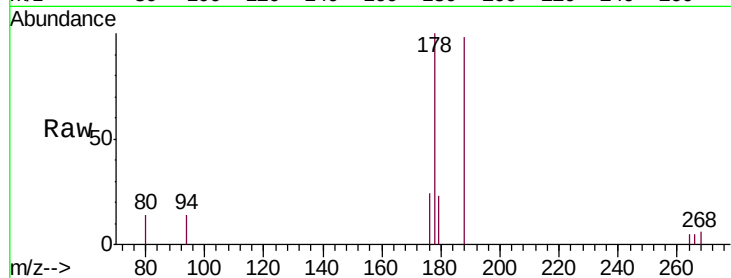
Tgt Ion:178 Resp: 1796

Ion Ratio Lower Upper

178 100

179 23.0 15.5 23.3

176 23.6 16.6 25.0



#15

Fluoranthene

Concen: 1.018 ng/ul

RT: 19.09 min Scan# 5160

Delta R.T. -0.01 min

Lab File: BM022074.D

Acq: 13 Aug 2019 17:34

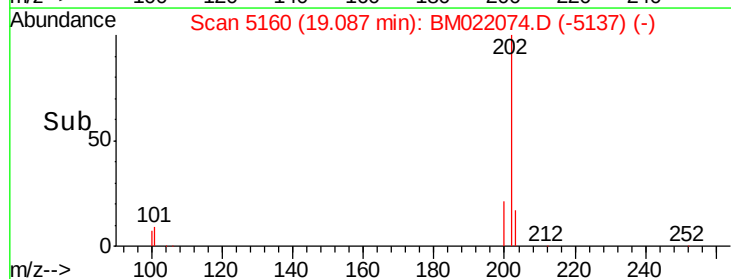
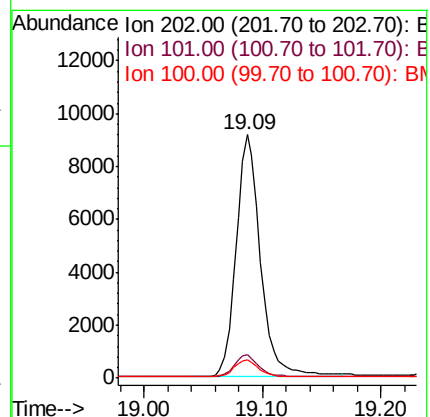
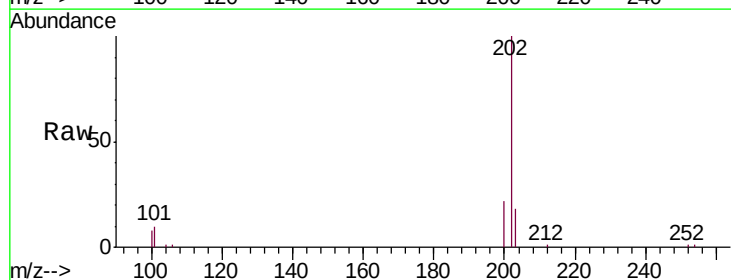
Tgt Ion:202 Resp: 13100

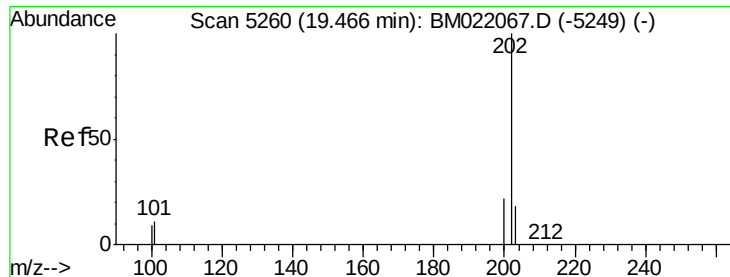
Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.2

100 7.5 0.0 28.1

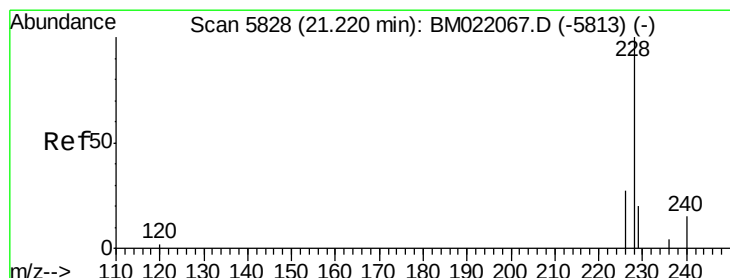
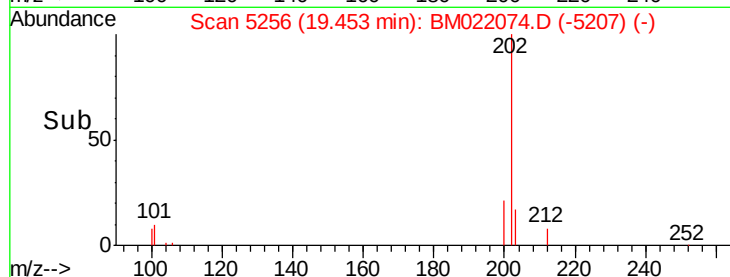
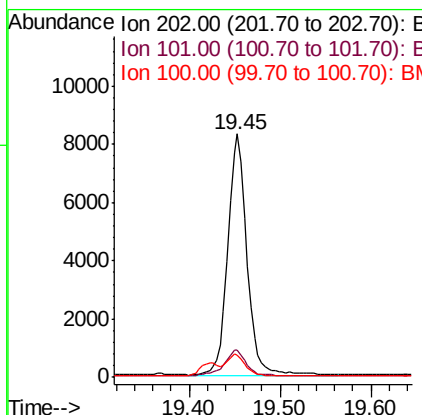
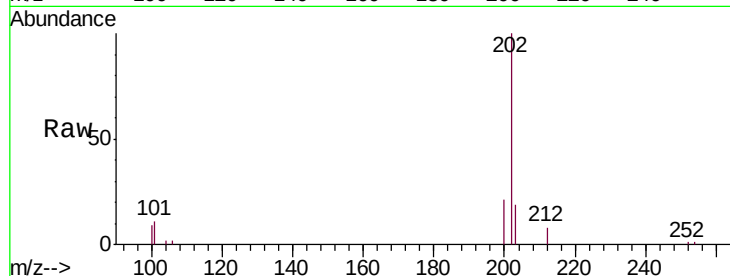




#17
 Pyrene
 Concen: 0.887 ng/ul
 RT: 19.45 min Scan# 5256
 Delta R.T. -0.01 min
 Lab File: BM022074.D
 Acq: 13 Aug 2019 17:34

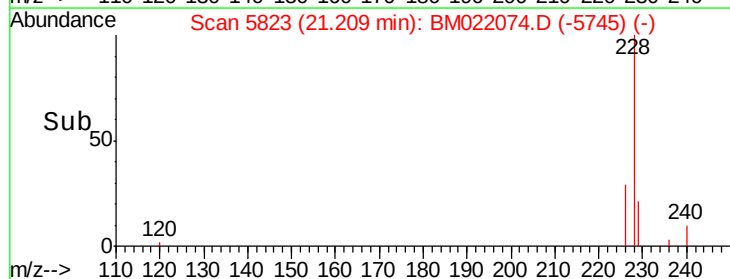
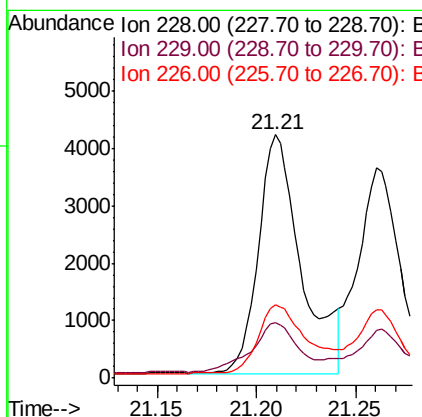
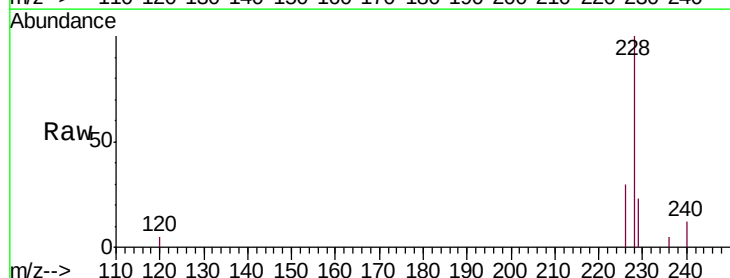
Instrument :
 BNA_M
 ClientSampleId :
 BENW1DL

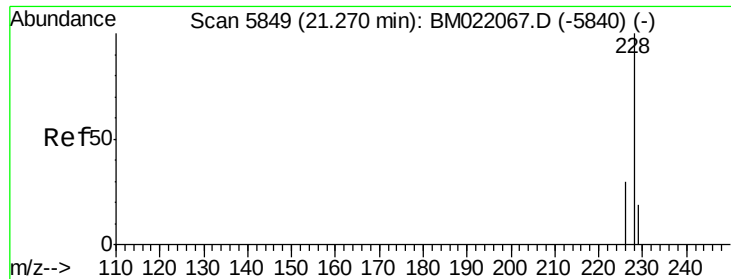
Tgt Ion: 202 Resp: 12153
 Ion Ratio Lower Upper
 202 100
 101 11.1 8.3 12.5
 100 9.0 7.2 10.8



#18
 Benzo(a)anthracene
 Concen: 0.518 ng/ul
 RT: 21.21 min Scan# 5823
 Delta R.T. -0.01 min
 Lab File: BM022074.D
 Acq: 13 Aug 2019 17:34

Tgt Ion: 228 Resp: 6178
 Ion Ratio Lower Upper
 228 100
 229 22.7 17.2 25.8
 226 30.4 22.6 34.0





#19

Chrysene

Concen: 0.364 ng/ul

RT: 21.26 min Scan# 5844

Delta R.T. -0.01 min

Lab File: BM022074.D

Acq: 13 Aug 2019 17:34

Instrument :

BNA_M

ClientSampleId :

BENW1DL

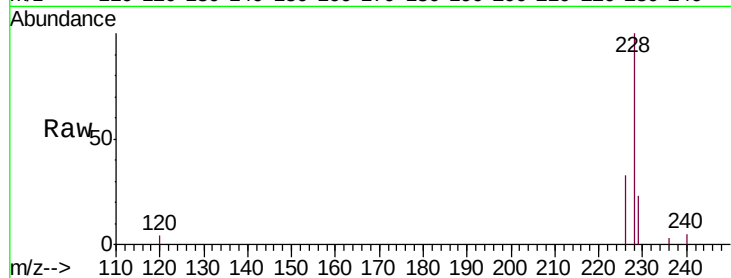
Tgt Ion:228 Resp: 5587

Ion Ratio Lower Upper

228 100

226 32.7 24.9 37.3

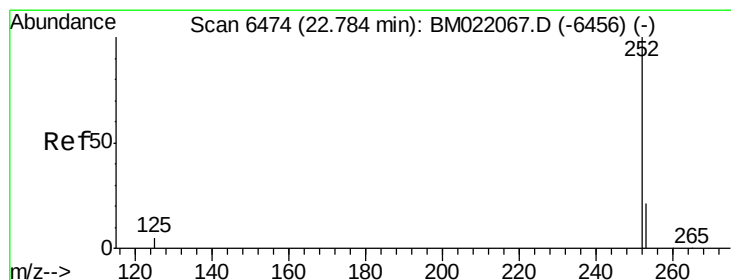
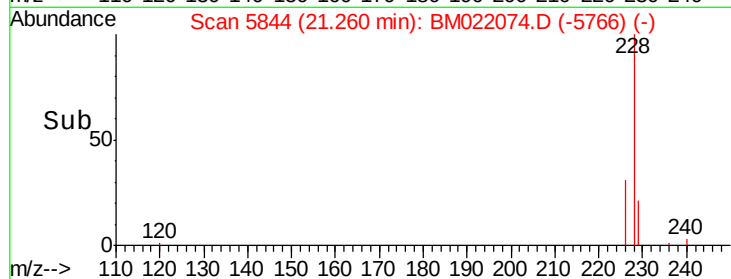
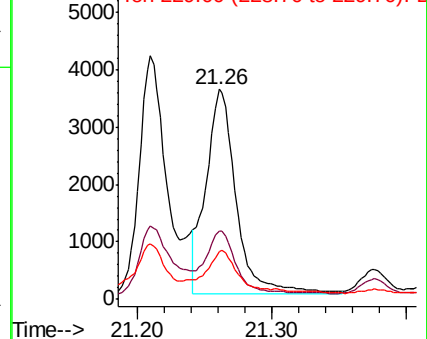
229 22.6 16.6 25.0



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: 0.908 ng/ul

RT: 22.77 min Scan# 6469

Delta R.T. -0.01 min

Lab File: BM022074.D

Acq: 13 Aug 2019 17:34

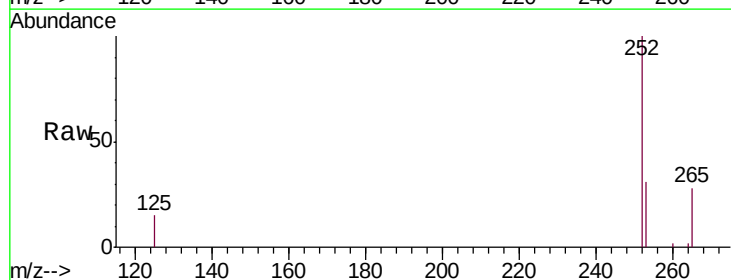
Tgt Ion:252 Resp: 10510

Ion Ratio Lower Upper

252 100

253 31.5 0.0 67.4

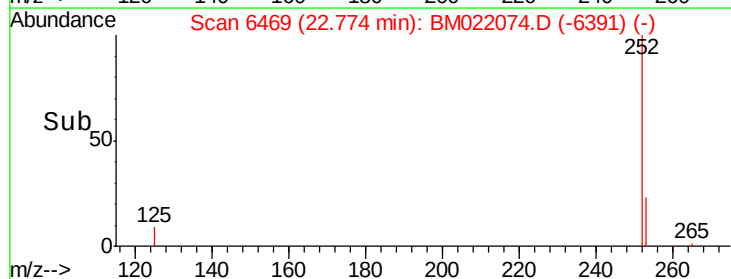
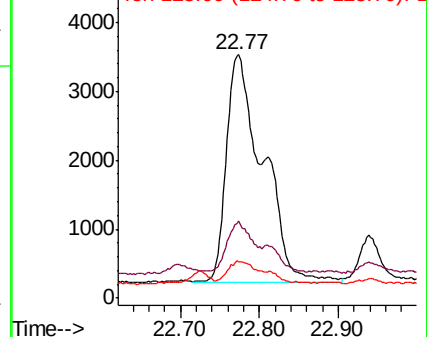
125 15.0 0.0 31.0

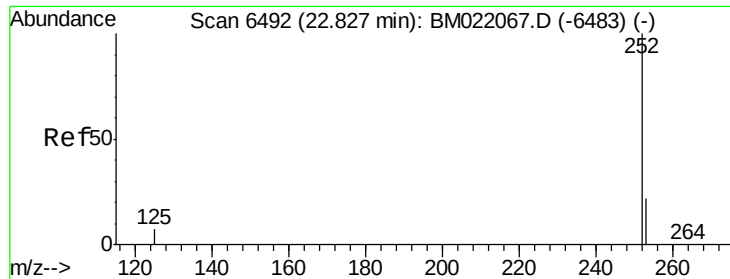


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.802 ng/ul

RT: 22.77 min Scan# 6469

Delta R.T. -0.05 min

Lab File: BM022074.D

Acq: 13 Aug 2019 17:34

Instrument :

BNA_M

ClientSampleId :

BENW1DL

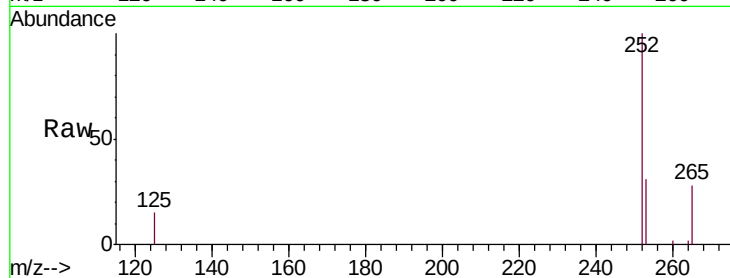
Tgt Ion:252 Resp: 10510

Ion Ratio Lower Upper

252 100

253 31.5 27.0 40.4

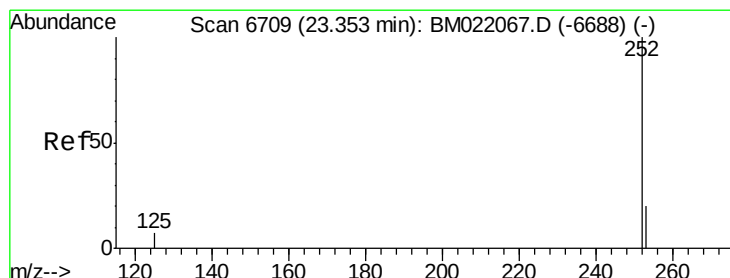
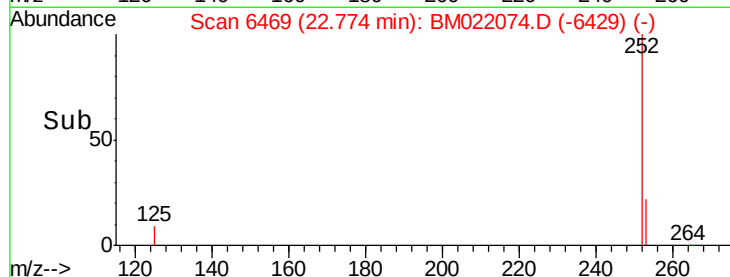
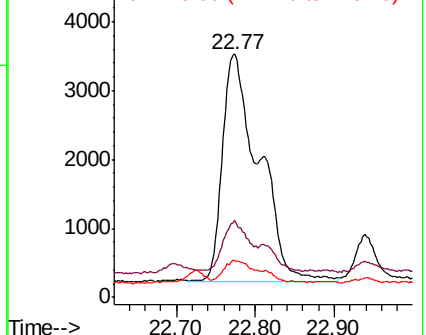
125 15.0 12.2 18.2



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: 0.445 ng/ul

RT: 23.33 min Scan# 6700

Delta R.T. -0.02 min

Lab File: BM022074.D

Acq: 13 Aug 2019 17:34

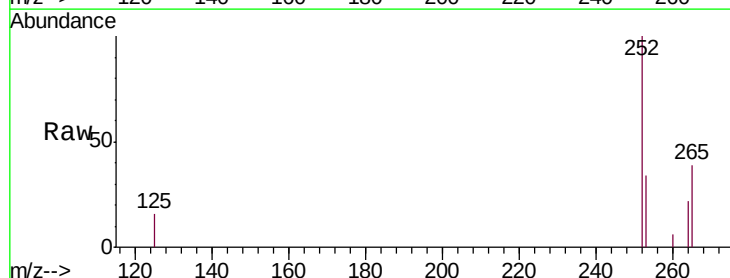
Tgt Ion:252 Resp: 5237

Ion Ratio Lower Upper

252 100

253 33.5 31.7 47.5

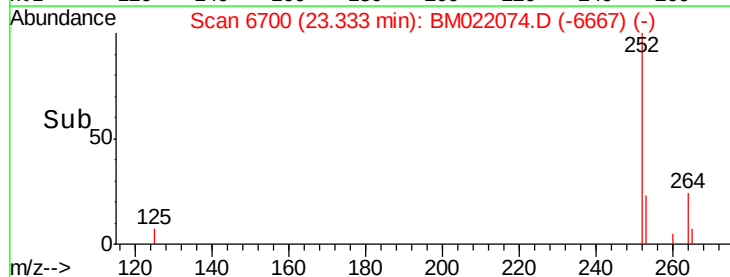
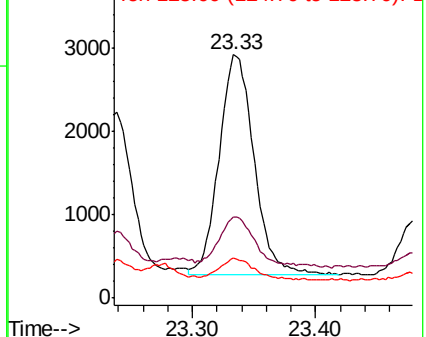
125 16.3 14.6 21.8

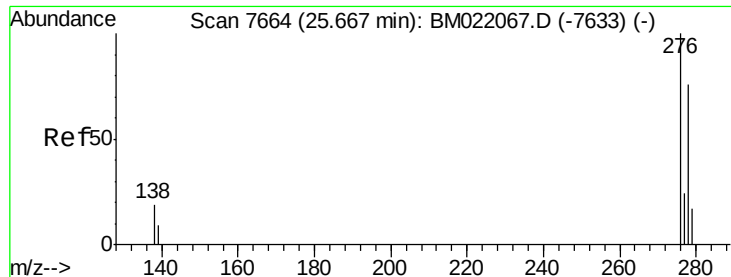


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



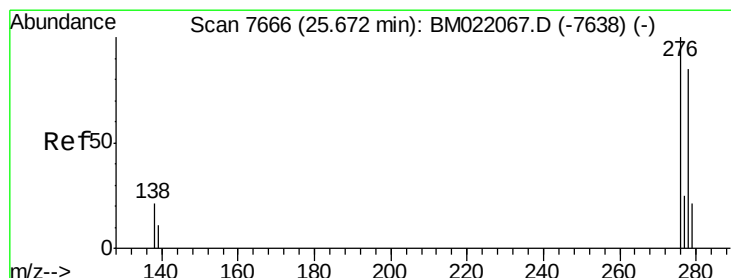
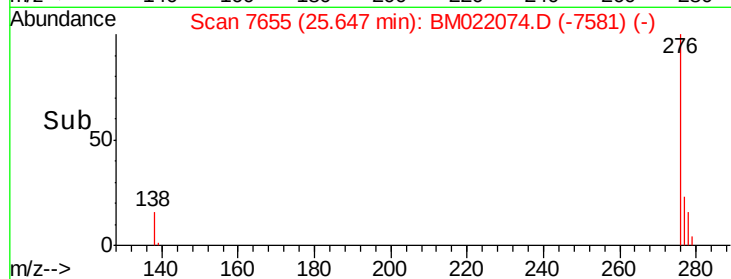
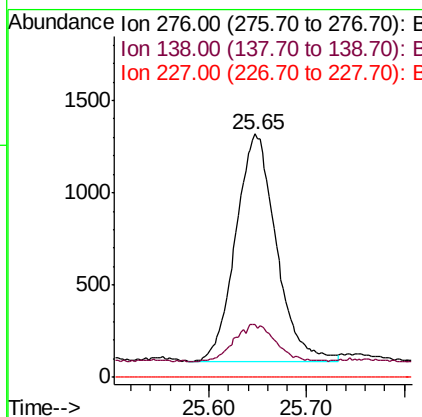
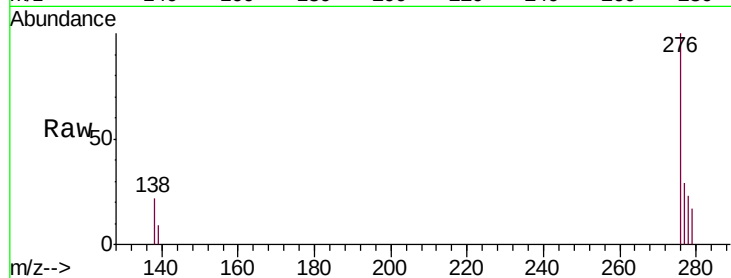


#24

Indeno(1,2,3-cd)pyrene
 Concen: 0.253 ng/ul
 RT: 25.65 min Scan# 7655
 Delta R.T. -0.02 min
 Lab File: BM022074.D
 Acq: 13 Aug 2019 17:34

Instrument :
 BNA_M
 ClientSampleId :
 BENW1DL

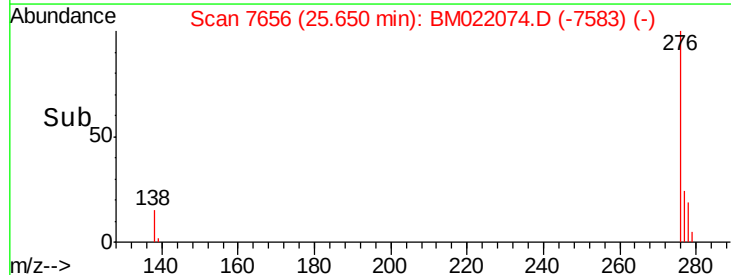
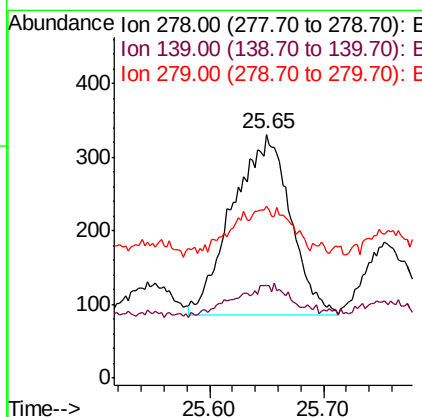
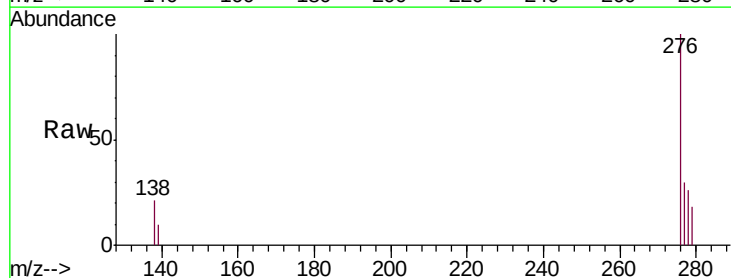
Tgt Ion:276 Resp: 3554
 Ion Ratio Lower Upper
 276 100
 138 17.6 15.1 22.7
 227 0.0 0.0 0.0

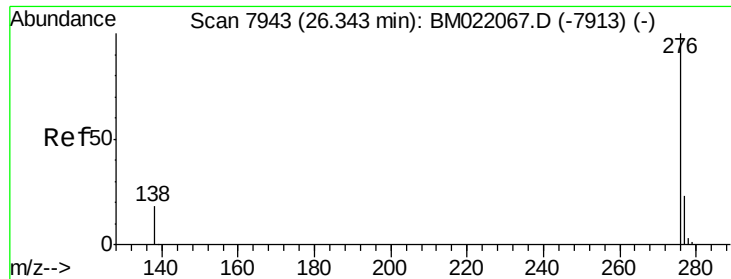


#25

Dibenzo(a,h)anthracene
 Concen: 0.076 ng/ul
 RT: 25.65 min Scan# 7656
 Delta R.T. -0.02 min
 Lab File: BM022074.D
 Acq: 13 Aug 2019 17:34

Tgt Ion:278 Resp: 860
 Ion Ratio Lower Upper
 278 100
 139 38.1 14.2 21.2#
 279 70.7 28.3 42.5#





#26

Benzo(g,h,i)perylene

Concen: 0.271 ng/ul

RT: 26.33 min Scan# 7935

Delta R.T. -0.02 min

Lab File: BM022074.D

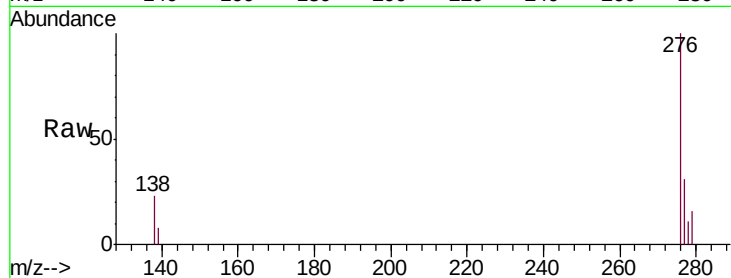
Acq: 13 Aug 2019 17:34

Instrument :

BNA_M

ClientSampleId :

BENW1DL



Tgt Ion: 276 Resp: 3435

Ion Ratio Lower Upper

276 100

138 23.3 15.5 23.3#

277 30.7 21.4 32.2

Abundance Ion 276.00 (275.70 to 276.70): E

1500 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

