

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM022018.D
 Acq On : 11 Aug 2019 05:22
 Operator : HP/JU
 Sample : K4028-05DL 10X
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 12 01:30:56 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 09 01:29:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	1135	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.40	136	4827	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	2702	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.03	188	6013	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	5965	0.40	ng/ul	-0.02
20) Perylene-d12	23.43	264	7621	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	177	0.02	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	506	0.02	ng/ul	-0.02

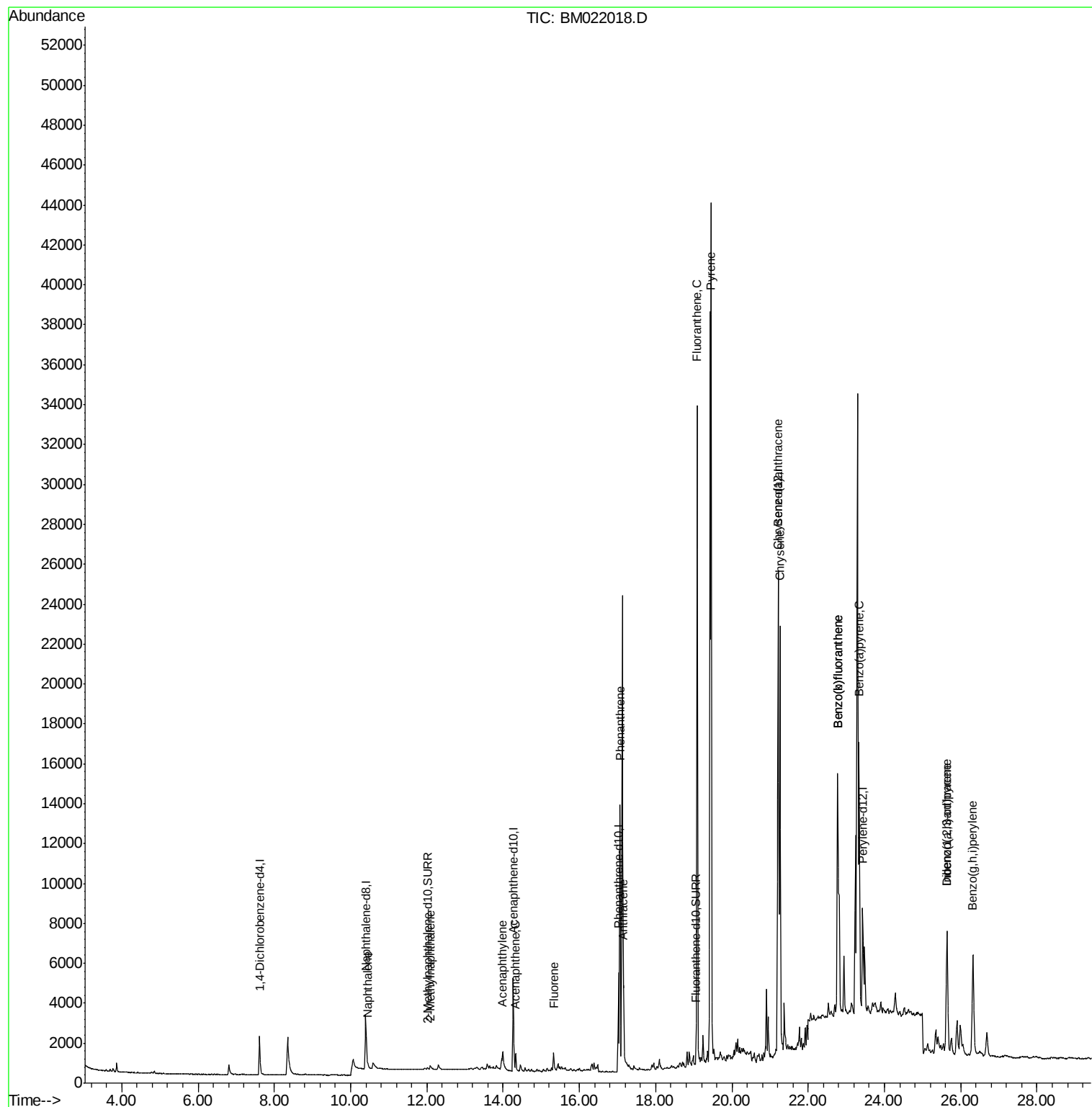
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.45	128	333	0.024	ng/ul#	55
5) 2-Methylnaphthalene	12.09	142	207	0.023	ng/ul	91
7) Acenaphthylene	13.99	152	1057	0.084	ng/ul#	82
8) Acenaphthene	14.33	153	533	0.052	ng/ul	93
9) Fluorene	15.33	166	649	0.057	ng/ul#	94
12) Phenanthrene	17.07	178	14587	0.834	ng/ul	96
13) Anthracene	17.16	178	3822	0.256	ng/ul	99
15) Fluoranthene	19.09	202	29023	1.238	ng/ul	97
17) Pyrene	19.45	202	35718	1.457	ng/ul	99
18) Benzo(a)anthracene	21.21	228	21253	0.996	ng/ul	98
19) Chrysene	21.26	228	21711	0.791	ng/ul	97
21) Benzo(b)fluoranthene	22.77	252	28851	1.123	ng/ul	91
22) Benzo(k)fluoranthene	22.77	252	28851	0.992	ng/ul	91
23) Benzo(a)pyrene	23.33	252	17878	0.684	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.64	276	10073	0.323	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.64	278	3013	0.119	ng/ul#	68
26) Benzo(a,h,i)perylene	26.32	276	10547	0.375	ng/ul	97

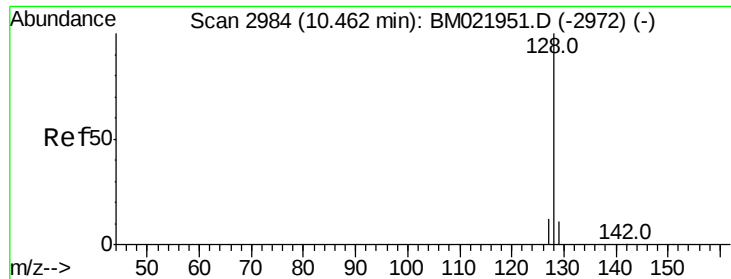
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.024 ng/ul

RT: 10.45 min Scan# 2982

Delta R.T. -0.01 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

Instrument :

BNA_M

ClientSampleId :

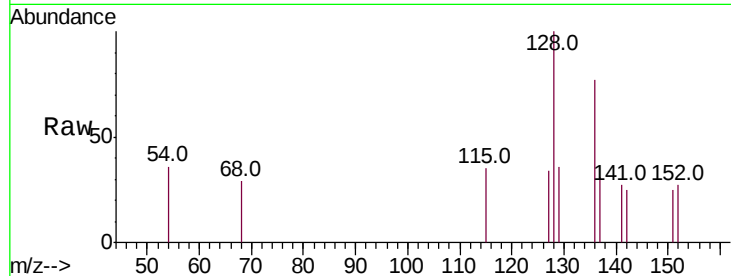
Tot Ion:128 Resp: 333

Ion Ratio Lower Upper

128 100

129 35.5 12.3 18.5#

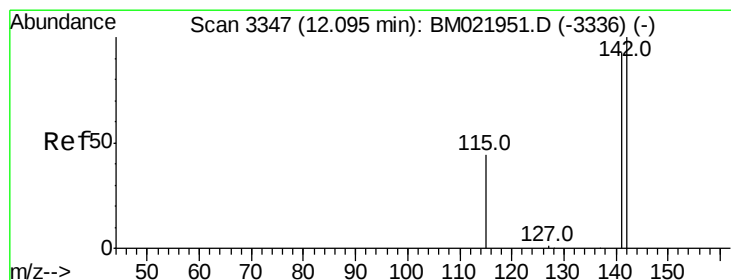
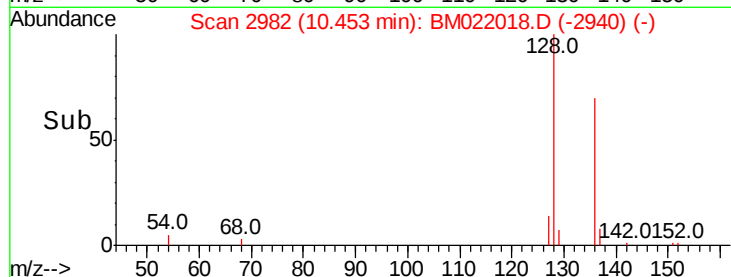
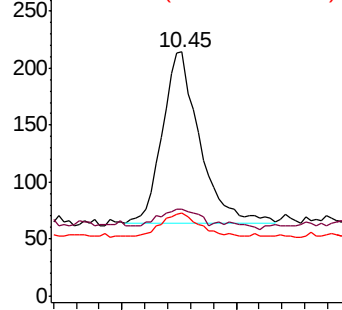
127 34.1 13.0 19.6#



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: 0.023 ng/ul

RT: 12.09 min Scan# 3347

Delta R.T. -0.00 min

Lab File: BM022018.D

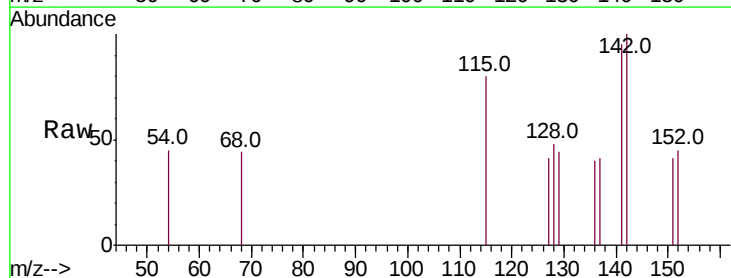
Acq: 11 Aug 2019 05:22

Tgt Ion:142 Resp: 207

Ion Ratio Lower Upper

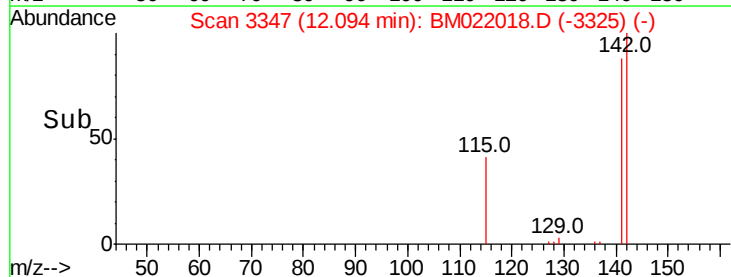
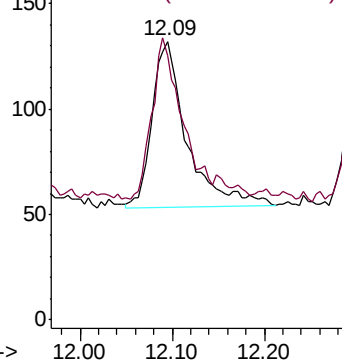
142 100

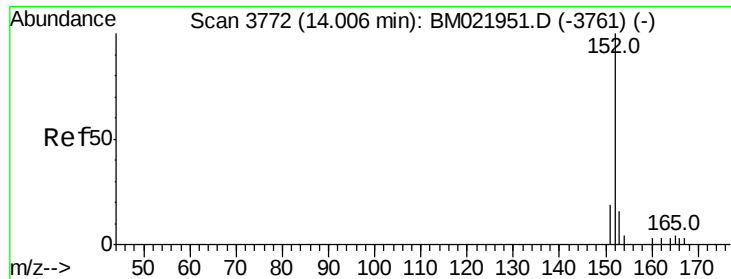
141 84.1 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.084 ng/ul

RT: 13.99 min Scan# 3769

Delta R.T. -0.02 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

Instrument :

BNA_M

ClientSampleId :

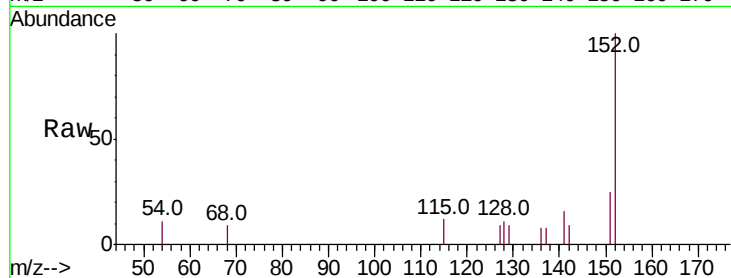
Tot Ion:152 Resp: 1057

Ion Ratio Lower Upper

152 100

151 25.2 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

800

600

400

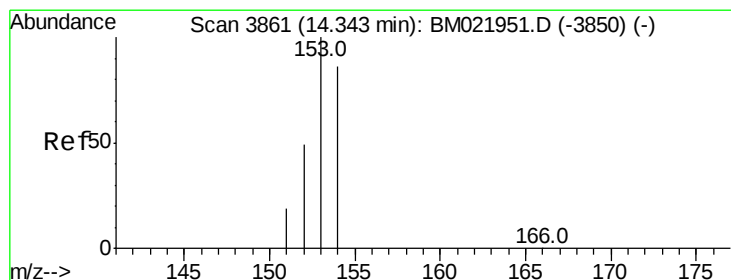
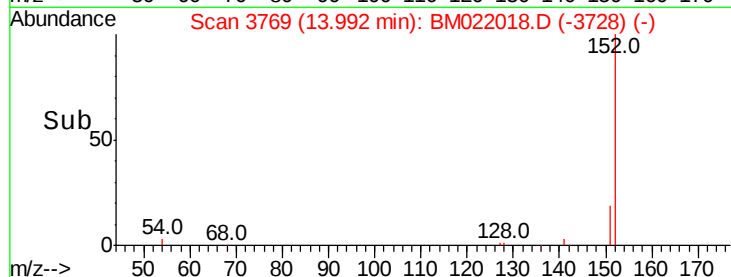
200

0

13.99

13.90 14.00 14.10

Time-->



#8

Acenaphthene

Concen: 0.052 ng/ul

RT: 14.33 min Scan# 3858

Delta R.T. -0.01 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

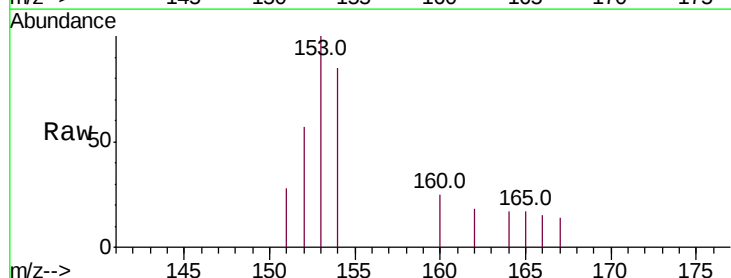
Tgt Ion:153 Resp: 533

Ion Ratio Lower Upper

153 100

152 57.4 41.3 61.9

154 84.6 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

500

400

300

200

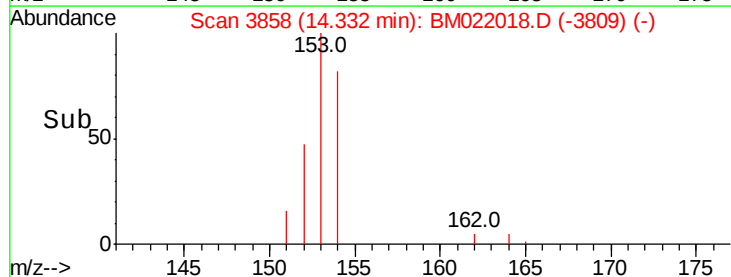
100

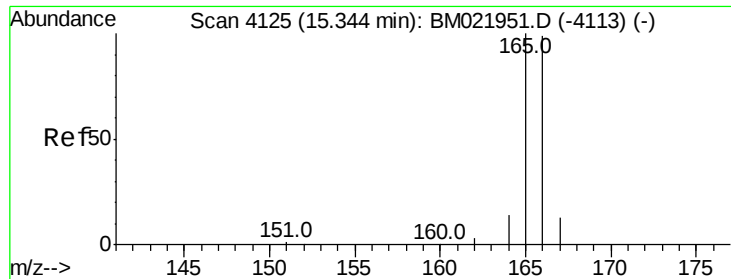
0

14.33

14.30 14.40

Time-->

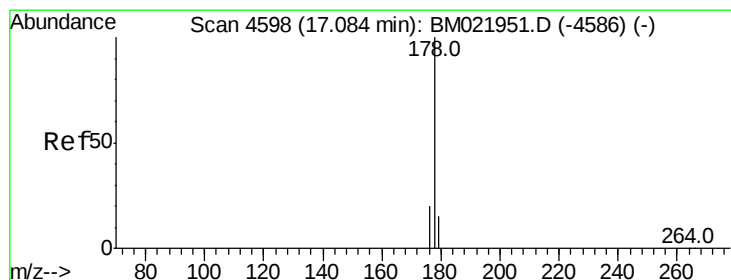
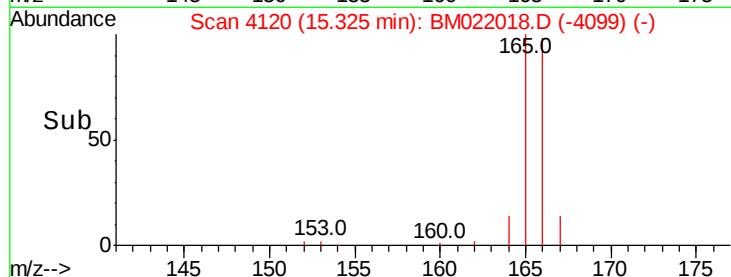
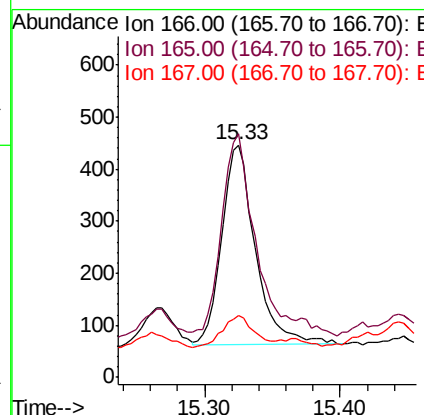
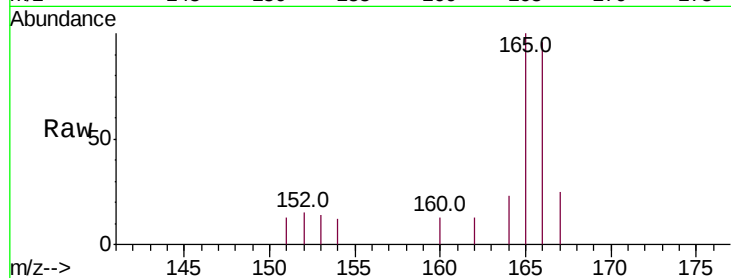




#9
Fluorene
 Concen: 0.057 ng/ul
 RT: 15.33 min Scan# 4120
 Delta R.T. -0.02 min
 Lab File: BM022018.D
 Acq: 11 Aug 2019 05:22

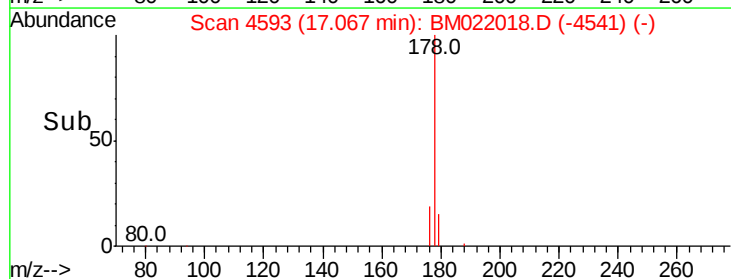
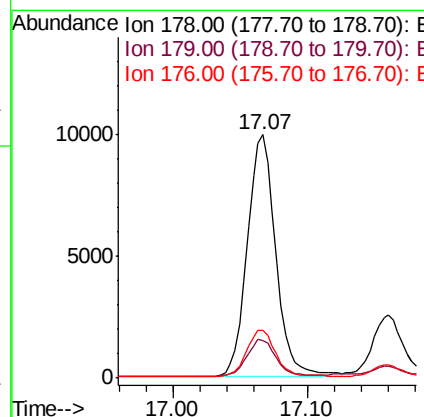
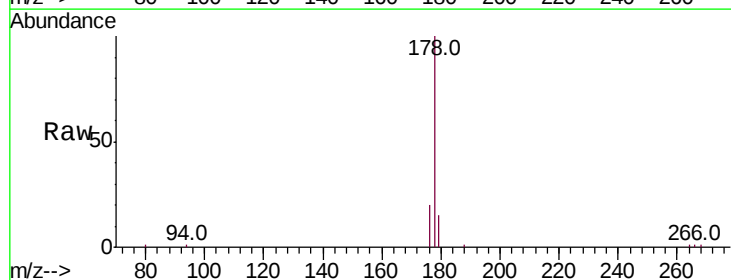
Instrument :
 BNA_M
 ClientSampleId :

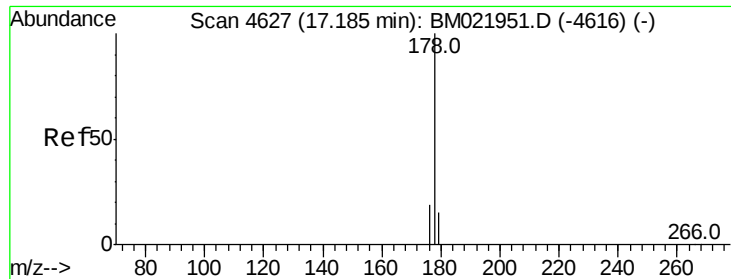
Tot Ion:166 Resp: 649
 Ion Ratio Lower Upper
 166 100
 165 104.7 81.4 122.0
 167 26.4 13.7 20.5#



#12
Phenanthrene
 Concen: 0.834 ng/ul
 RT: 17.07 min Scan# 4593
 Delta R.T. -0.02 min
 Lab File: BM022018.D
 Acq: 11 Aug 2019 05:22

Tgt Ion:178 Resp: 14587
 Ion Ratio Lower Upper
 178 100
 179 15.5 14.2 21.2
 176 19.8 16.8 25.2





#13

Anthracene

Concen: 0.256 ng/ul

RT: 17.16 min Scan# 4620

Delta R.T. -0.02 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

Instrument :

BNA_M

ClientSampled :

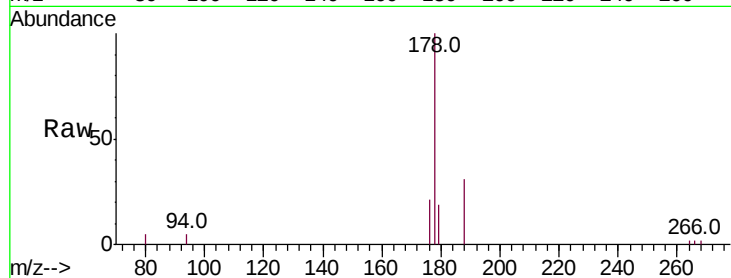
Tot Ion:178 Resp: 3822

Ion Ratio Lower Upper

178 100

179 18.9 15.5 23.3

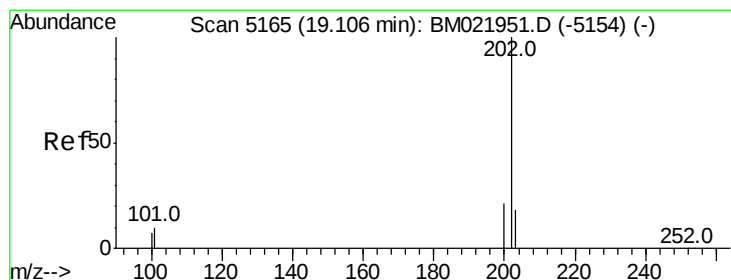
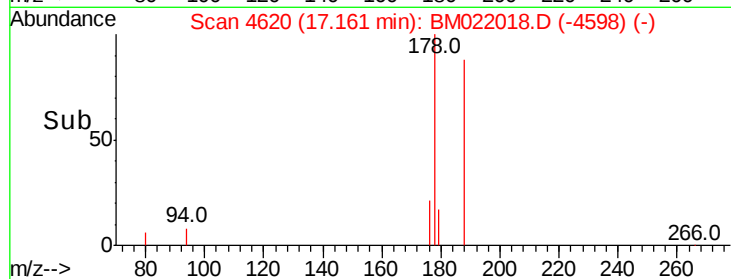
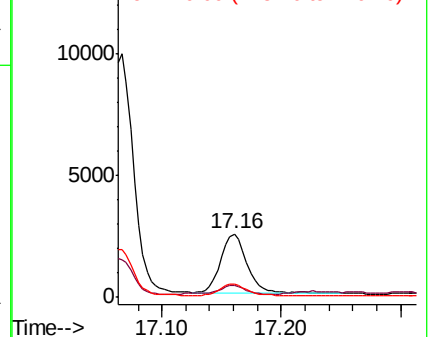
176 21.4 16.6 25.0



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: 1.238 ng/ul

RT: 19.09 min Scan# 5160

Delta R.T. -0.02 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

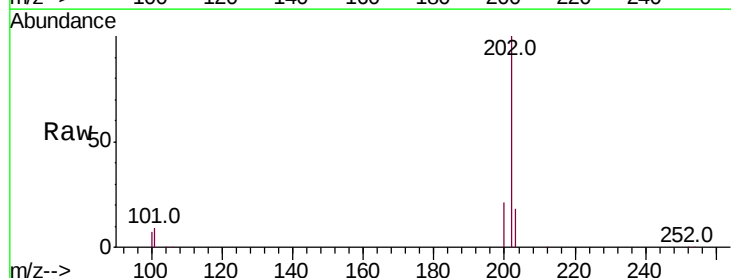
Tgt Ion:202 Resp: 29023

Ion Ratio Lower Upper

202 100

101 9.2 0.0 30.2

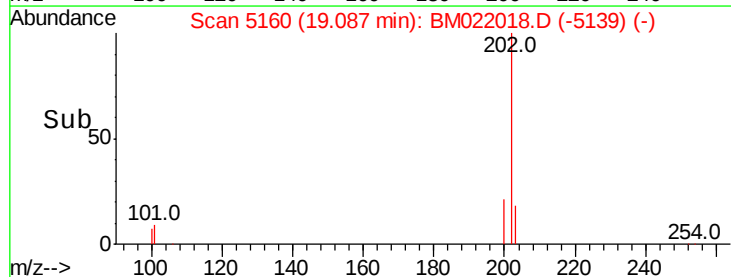
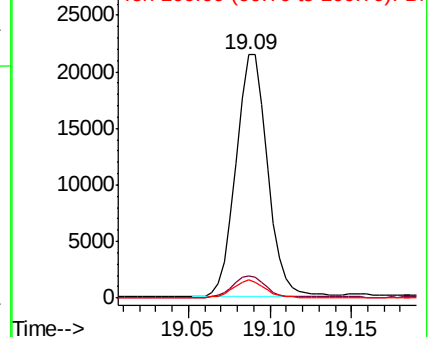
100 7.3 0.0 28.1

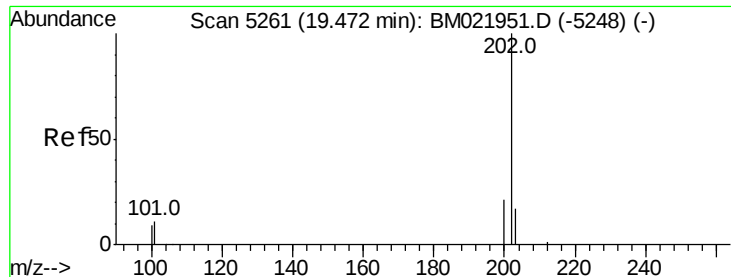


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

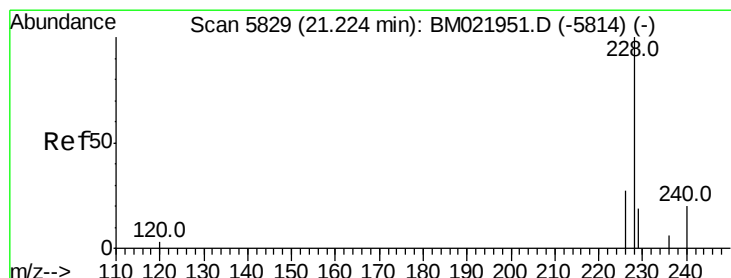
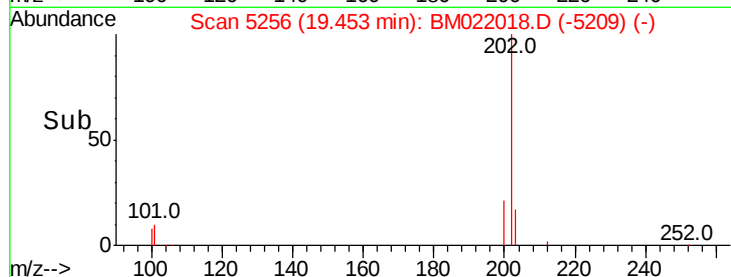
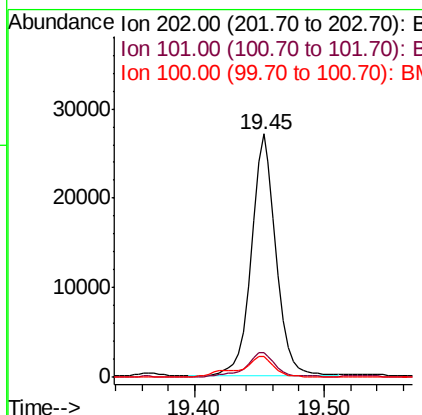
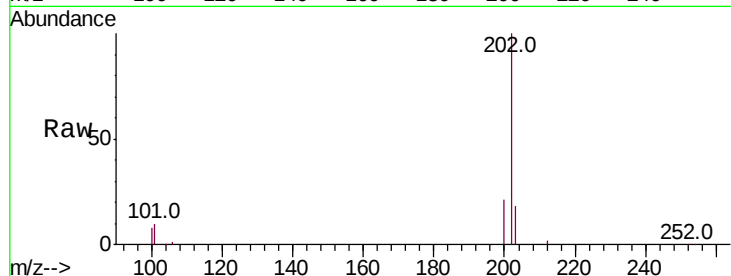




#17
Pvrene
Concen: 1.457 ng/ul
RT: 19.45 min Scan# 5256
Delta R.T. -0.02 min
Lab File: BM022018.D
Acq: 11 Aug 2019 05:22

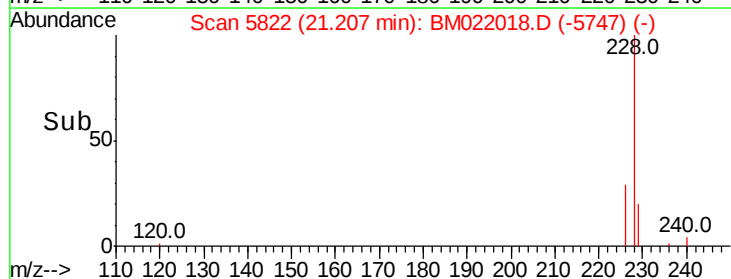
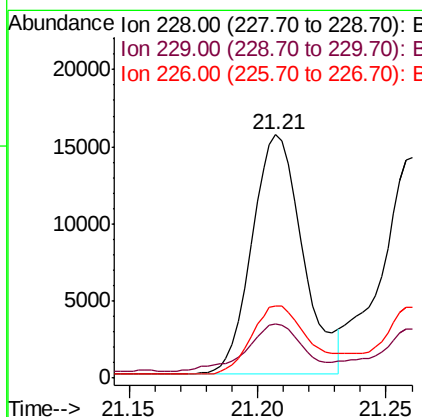
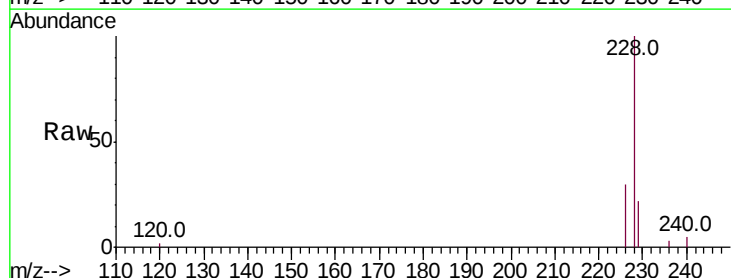
Instrument :
BNA_M
ClientSampleId :

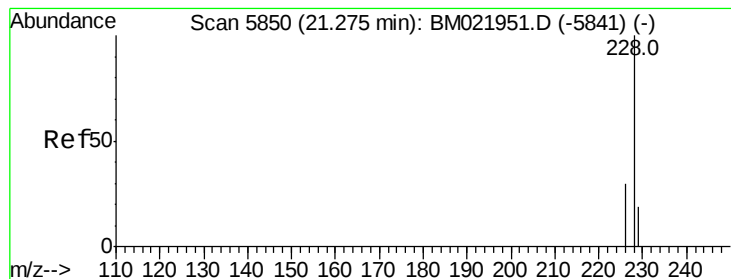
Tot Ion:202 Resp: 35718
Ion Ratio Lower Upper
202 100
101 10.3 8.3 12.5
100 8.4 7.2 10.8



#18
Benzo(a)anthracene
Concen: 0.996 ng/ul
RT: 21.21 min Scan# 5822
Delta R.T. -0.02 min
Lab File: BM022018.D
Acq: 11 Aug 2019 05:22

Tgt Ion:228 Resp: 21253
Ion Ratio Lower Upper
228 100
229 22.1 17.2 25.8
226 29.8 22.6 34.0





#19

Chrysene

Concen: 0.791 ng/ul

RT: 21.26 min Scan# 5844

Delta R.T. -0.02 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

Instrument :

BNA_M

ClientSampleId :

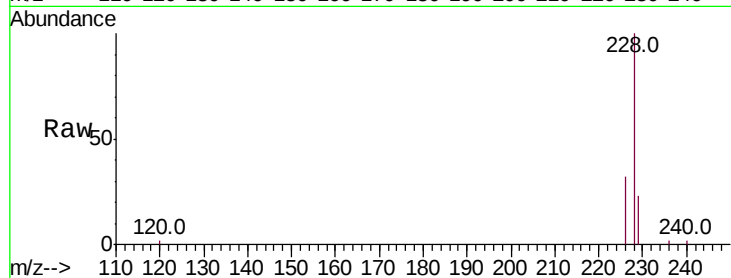
Tot Ion:228 Resp: 21711

Ion Ratio Lower Upper

228 100

226 32.4 24.9 37.3

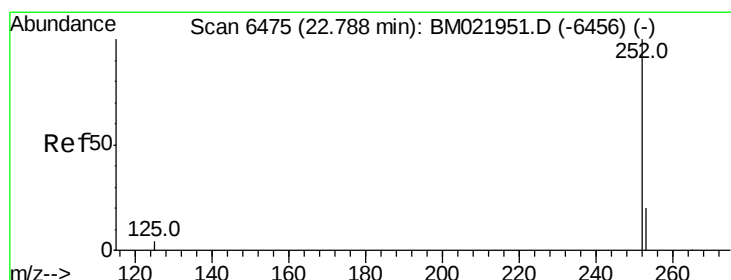
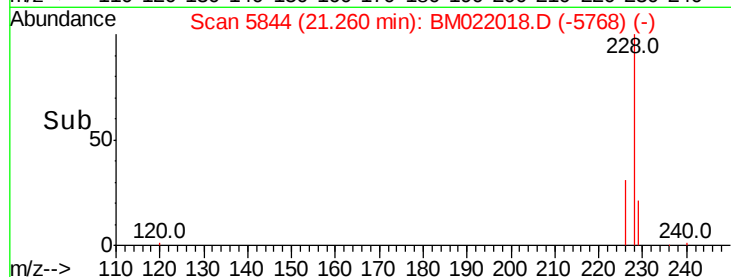
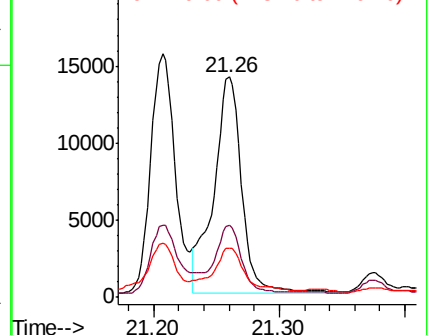
229 22.5 16.6 25.0



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: 1.123 ng/ul

RT: 22.77 min Scan# 6468

Delta R.T. -0.02 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

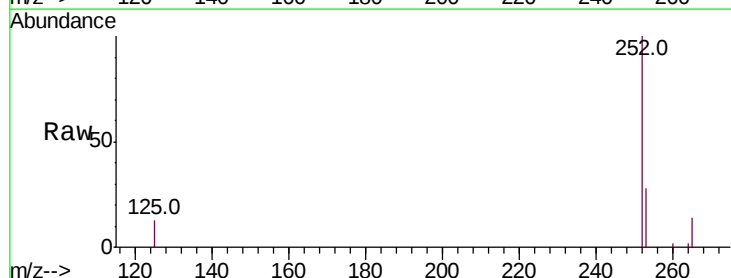
Tgt Ion:252 Resp: 28851

Ion Ratio Lower Upper

252 100

253 27.7 0.0 67.4

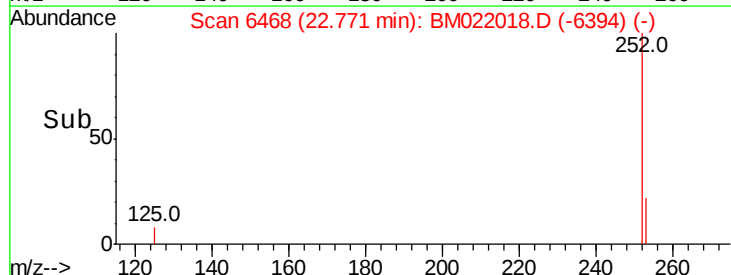
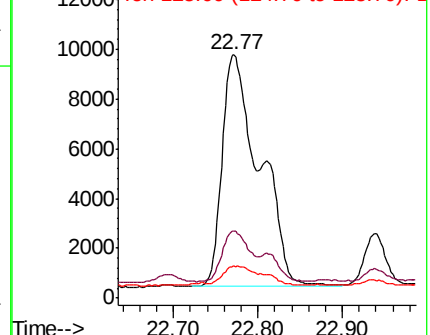
125 13.1 0.0 31.0

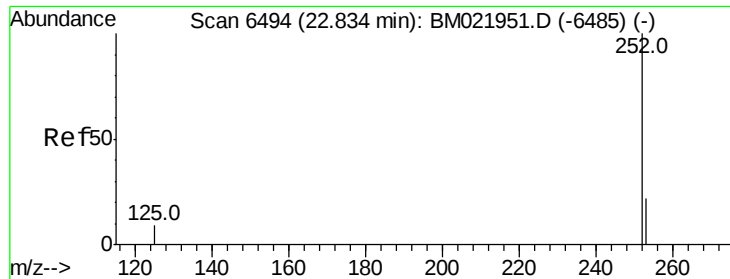


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.992 ng/ul

RT: 22.77 min Scan# 6468

Delta R.T. -0.06 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

Instrument :

BNA_M

ClientSampleId :

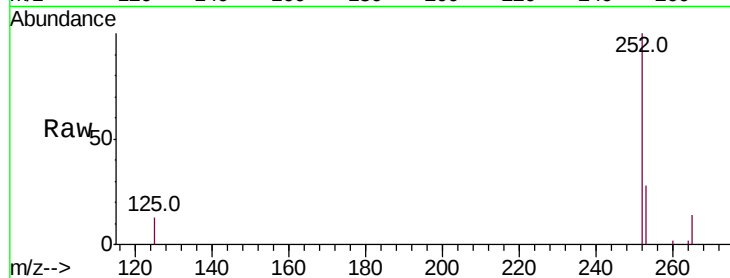
Tot Ion:252 Resp: 28851

Ion Ratio Lower Upper

252 100

253 27.7 27.0 40.4

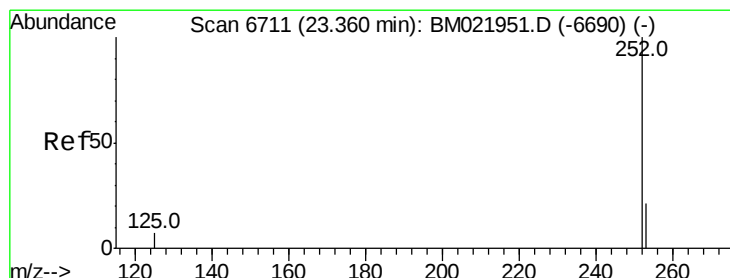
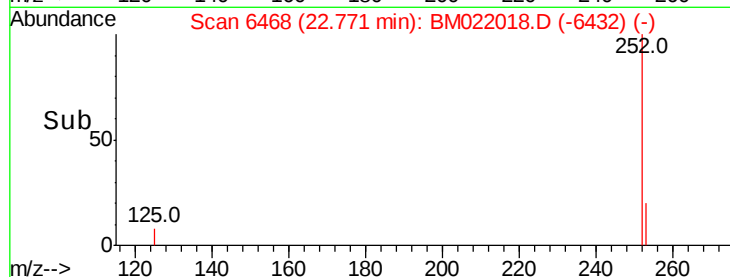
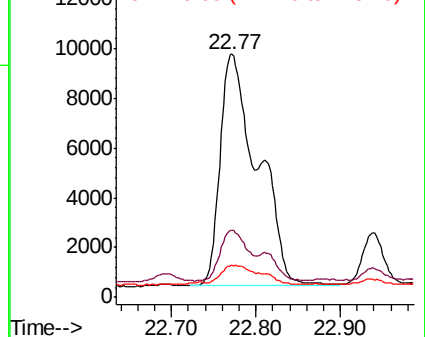
125 13.1 12.2 18.2



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: 0.684 ng/ul

RT: 23.33 min Scan# 6700

Delta R.T. -0.03 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

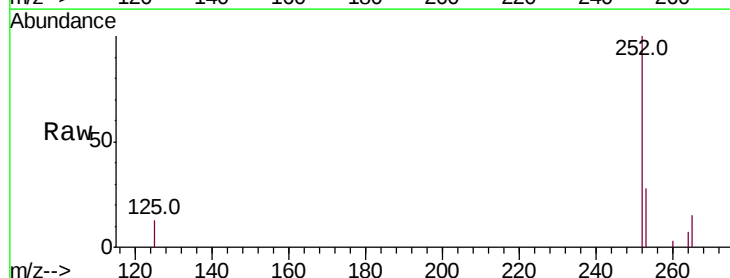
Tgt Ion:252 Resp: 17878

Ion Ratio Lower Upper

252 100

253 27.6 31.7 47.5#

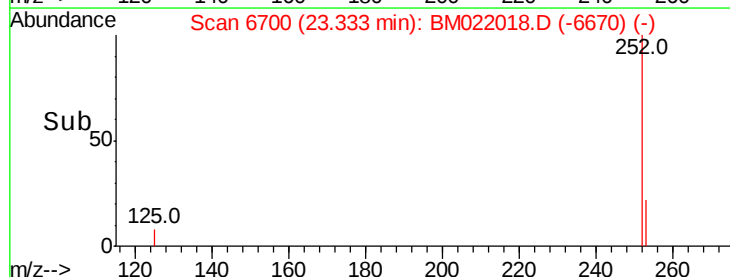
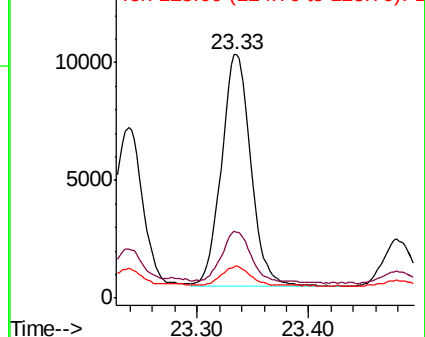
125 13.0 14.6 21.8#

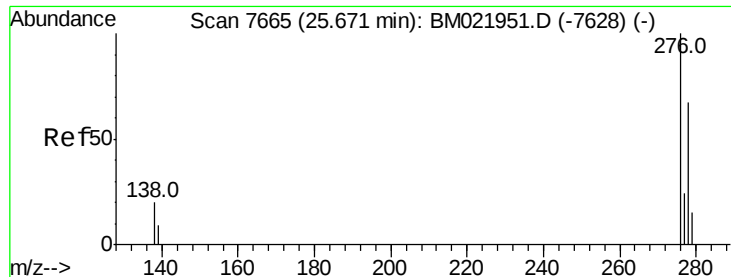


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



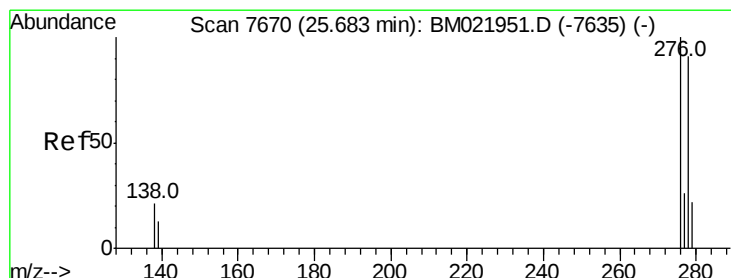
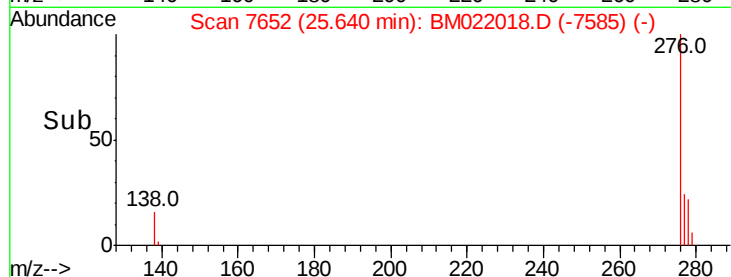
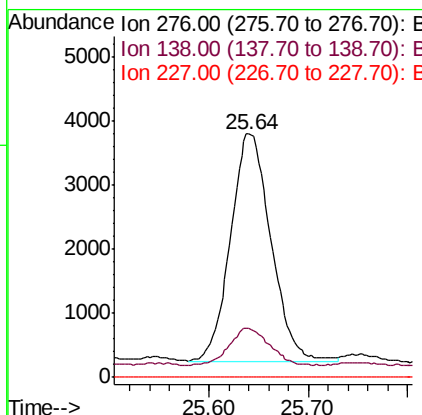
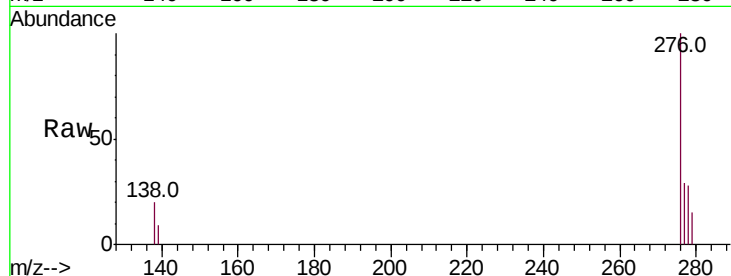


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.323 ng/u1
RT: 25.64 min Scan# 7652
Delta R.T. -0.04 min
Lab File: BM022018.D
Acq: 11 Aug 2019 05:22

Instrument :
BNA_M
ClientSampleId :

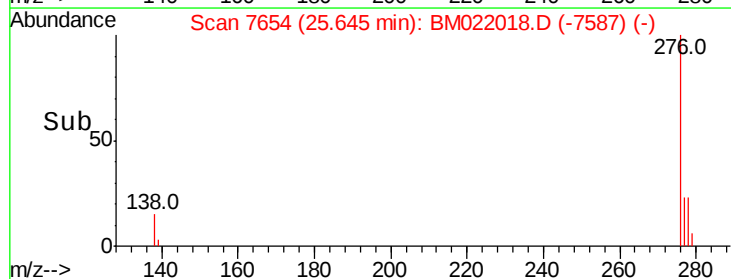
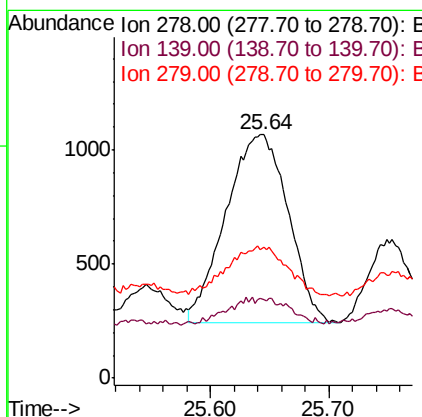
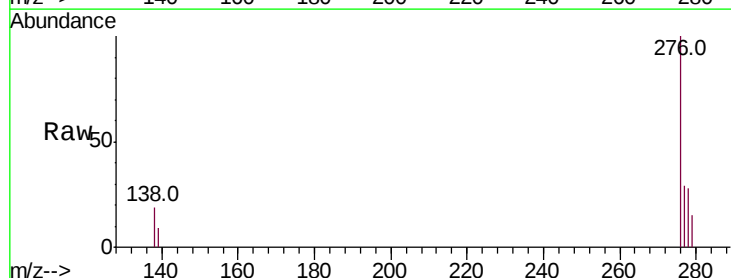
Tot Ion:276 Resp: 10073
Ion Ratio Lower Upper
276 100
138 16.3 15.1 22.7
227 0.0 0.0 0.0

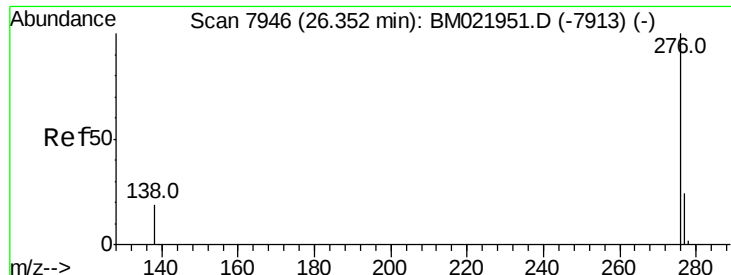


#25

Dibenzo(a,h)anthracene
Concen: 0.119 ng/u1
RT: 25.64 min Scan# 7654
Delta R.T. -0.04 min
Lab File: BM022018.D
Acq: 11 Aug 2019 05:22

Tgt Ion:278 Resp: 3013
Ion Ratio Lower Upper
278 100
139 32.3 14.2 21.2#
279 53.8 28.3 42.5#





#26

Benzo(a,h,i)perylene

Concen: 0.375 ng/ul

RT: 26.32 min Scan# 7934

Delta R.T. -0.03 min

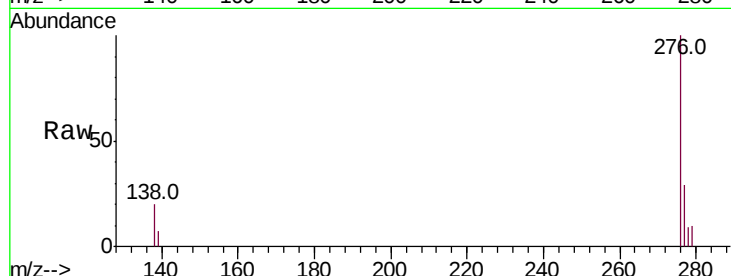
Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

Instrument :

BNA_M

ClientSampleId :



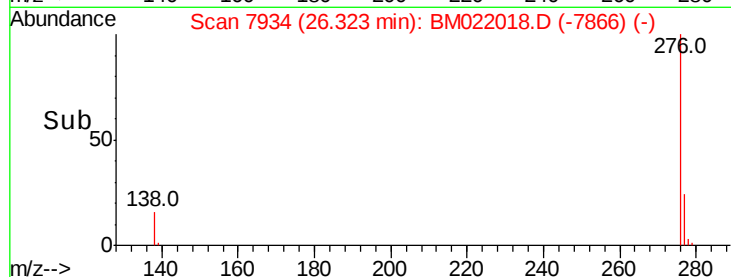
Tot Ion:276 Resp: 10547

Ion Ratio Lower Upper

276 100

138 19.9 15.5 23.3

277 28.7 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

5000 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

