

Data File : BM021815.D
Acq On : 04 Aug 2019 16:36
Operator : HP/JU
Sample : K3850-10DL 5X
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR6DL

Quant Time: Aug 05 06:59:55 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 : Mon Aug 05 06:57:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	978	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	3966	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	2308	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	5570	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	5785	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	8482	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	291	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	935	0.05	ng/ul	-0.01

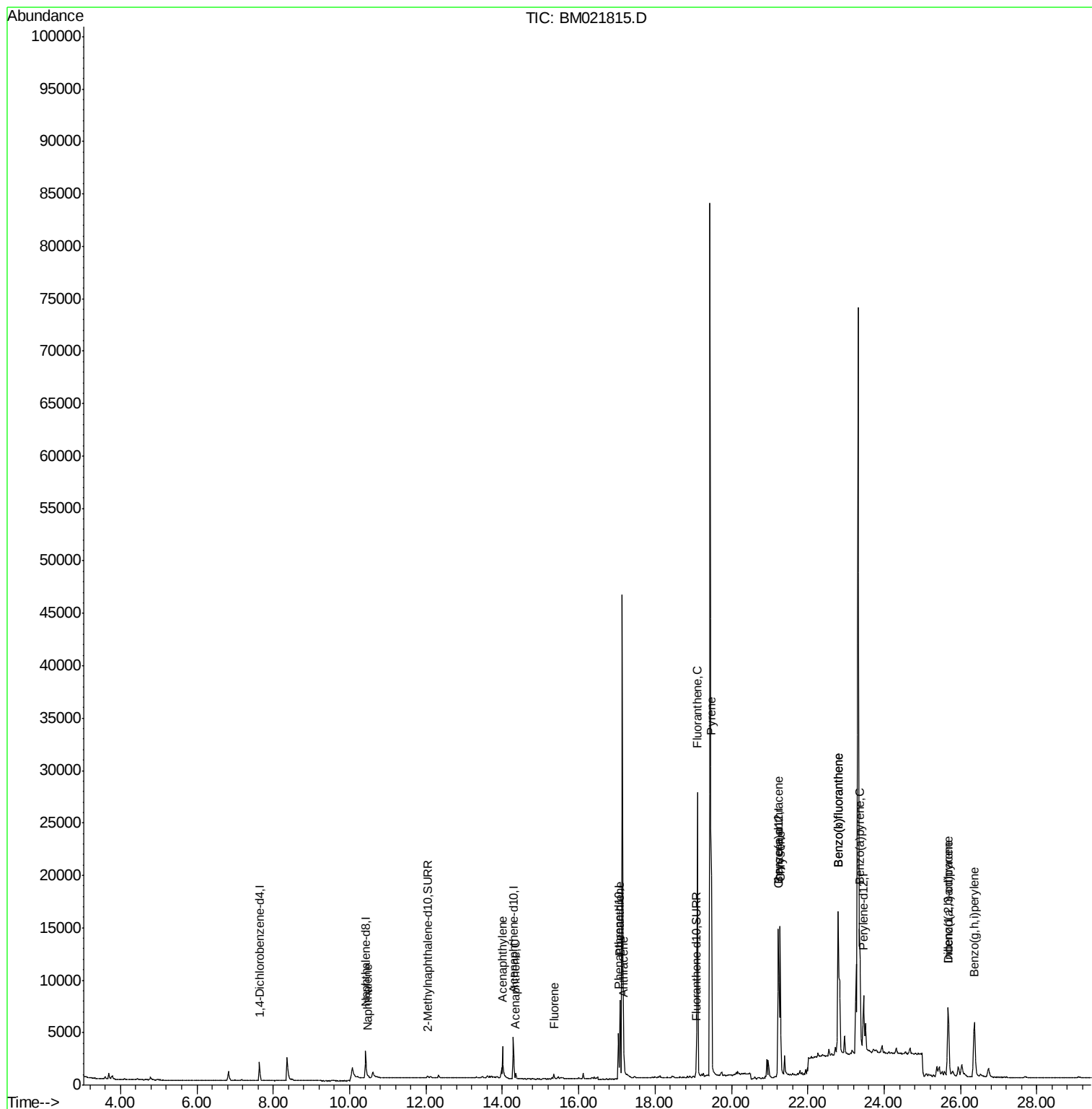
Target Compounds						Qvalue
3) Naphthalene	10.47	128	243	0.022	ng/ul#	44
7) Acenaphthylene	14.01	152	558	0.052	ng/ul#	81
8) Acenaphthene	14.35	153	308	0.035	ng/ul	94
9) Fluorene	15.35	166	379	0.039	ng/ul#	90
12) Phenanthrene	17.08	178	8248	0.509	ng/ul	98
13) Anthracene	17.18	178	1340	0.097	ng/ul#	89
15) Fluoranthene	19.11	202	24498	1.128	ng/ul	97
17) Pyrene	19.47	202	24415	1.027	ng/ul	100
18) Benzo(a)anthracene	21.23	228	11518	0.557	ng/ul	99
19) Chrysene	21.28	228	15692	0.590	ng/ul	98
21) Benzo(b)fluoranthene	22.79	252	30946	1.082	ng/ul	88
22) Benzo(k)fluoranthene	22.79	252	30989	0.957	ng/ul#	88
23) Benzo(a)pyrene	23.36	252	14108	0.485	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.68	276	11821	0.340	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.68	278	2596	0.092	ng/ul#	78
26) Benzo(g,h,i)perylene	26.36	276	12218	0.391	ng/ul	99

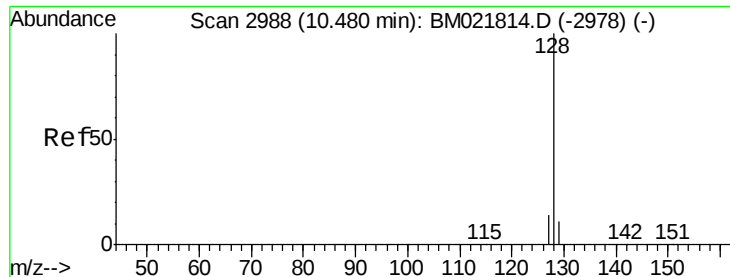
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.022 ng/ul

RT: 10.47 min Scan# 2986

Delta R.T. -0.01 min

Lab File: BM021815.D

Acq: 04 Aug 2019 16:36

Instrument :

BNA_M

ClientSampleId :

BENR6DL

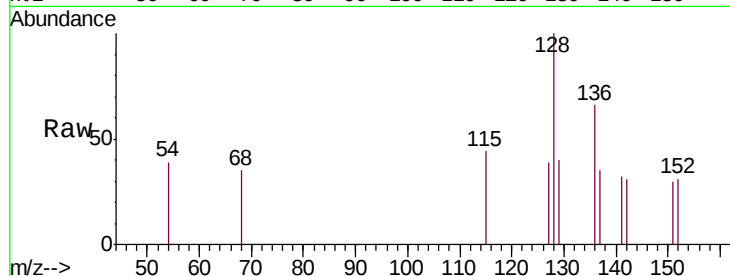
Tgt Ion:128 Resp: 243

Ion Ratio Lower Upper

128 100

129 40.0 12.3 18.5#

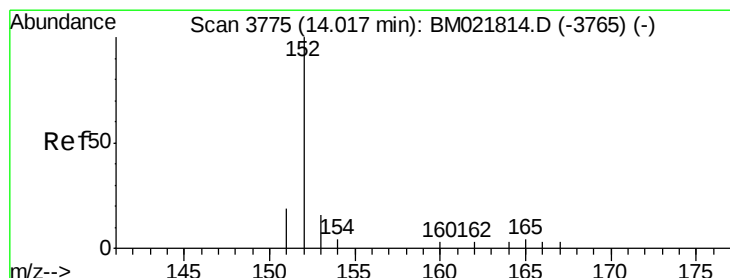
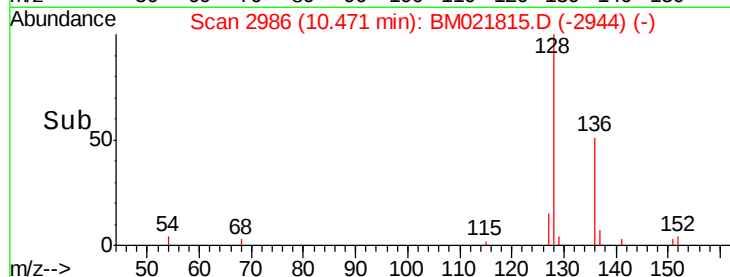
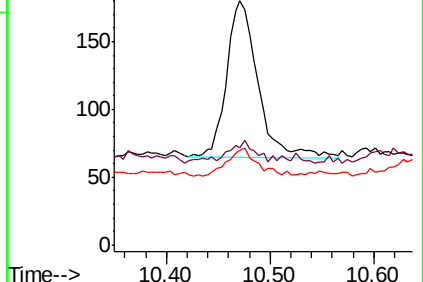
127 38.9 13.0 19.6#



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



#7

Acenaphthylene

Concen: 0.052 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.01 min

Lab File: BM021815.D

Acq: 04 Aug 2019 16:36

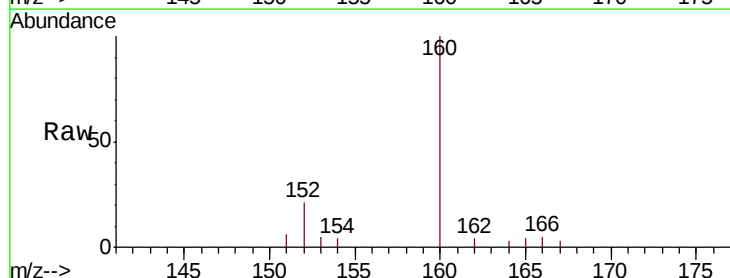
Tgt Ion:152 Resp: 558

Ion Ratio Lower Upper

152 100

151 30.1 18.3 27.5#

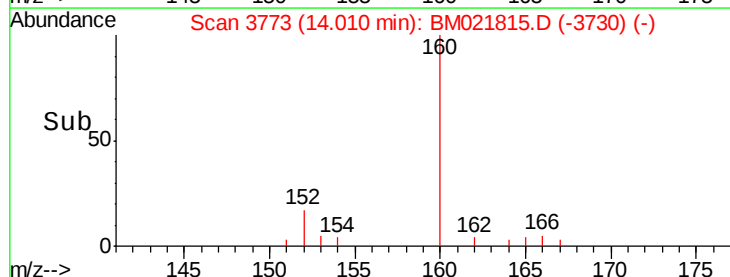
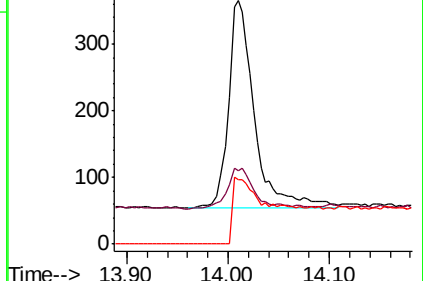
153 26.5 12.8 19.2#

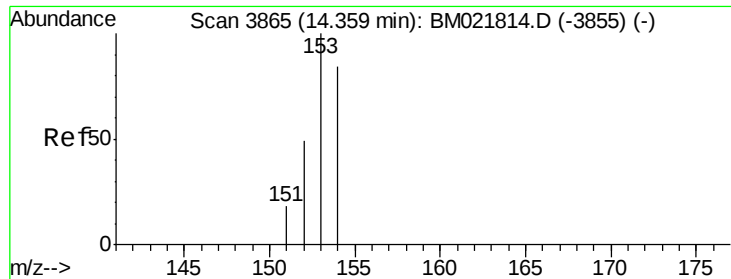


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.035 ng/ul

RT: 14.35 min Scan# 3864

Delta R.T. -0.00 min

Lab File: BM021815.D

Acq: 04 Aug 2019 16:36

Instrument :

BNA_M

ClientSampleId :

BENR6DL

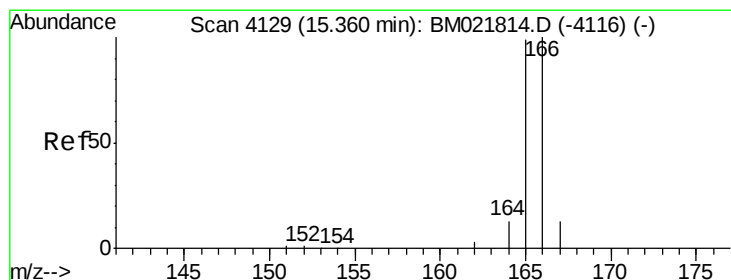
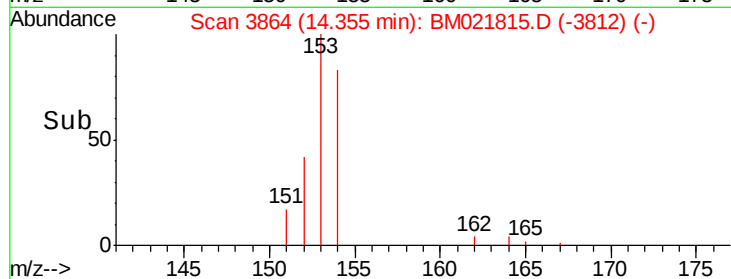
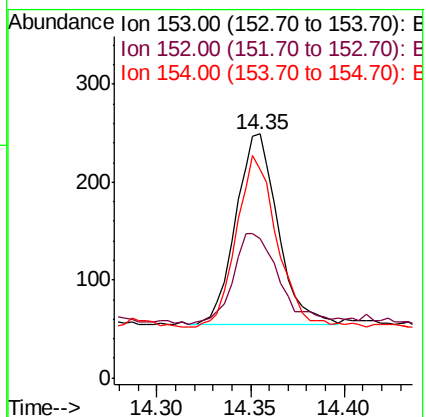
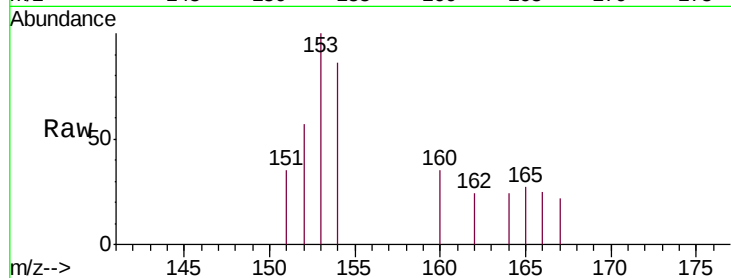
Tgt Ion:153 Resp: 308

Ion Ratio Lower Upper

153 100

152 57.0 41.3 61.9

154 85.5 72.3 108.5



#9

Fluorene

Concen: 0.039 ng/ul

RT: 15.35 min Scan# 4126

Delta R.T. -0.01 min

Lab File: BM021815.D

Acq: 04 Aug 2019 16:36

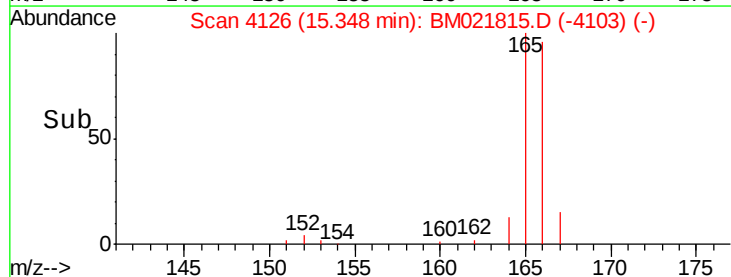
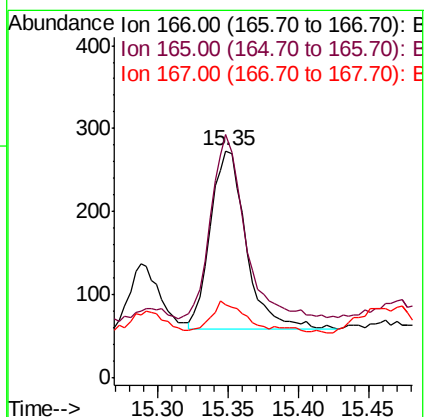
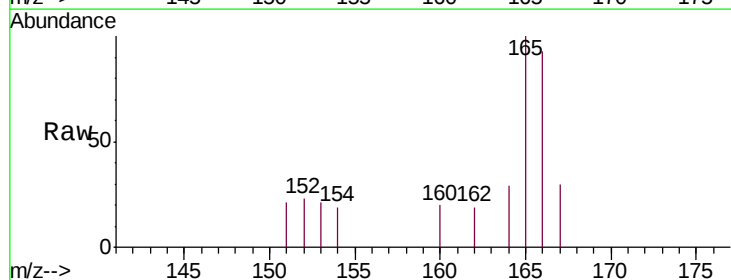
Tgt Ion:166 Resp: 379

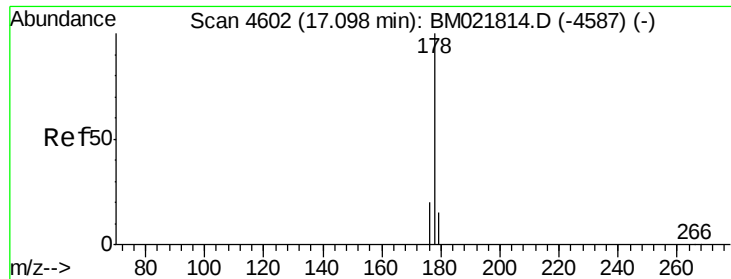
Ion Ratio Lower Upper

166 100

165 107.3 81.4 122.0

167 32.2 13.7 20.5





#12

Phenanthrene

Concen: 0.509 ng/ul

RT: 17.08 min Scan# 4598

Delta R.T. -0.01 min

Lab File: BM021815.D

Acq: 04 Aug 2019 16:36

Instrument :

BNA_M

ClientSampleId :

BENR6DL

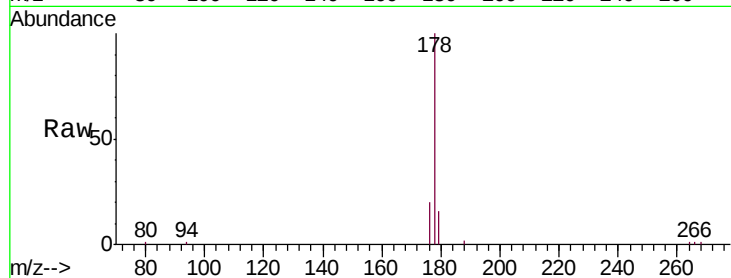
Tgt Ion:178 Resp: 8248

Ion Ratio Lower Upper

178 100

179 16.5 14.2 21.2

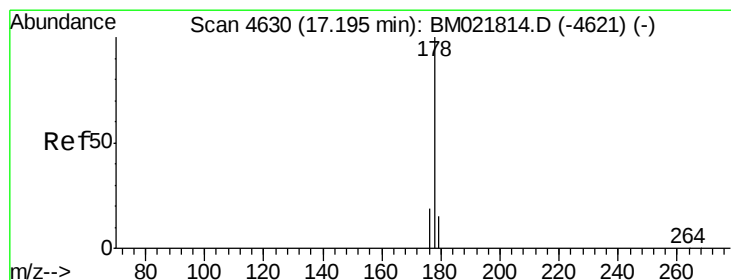
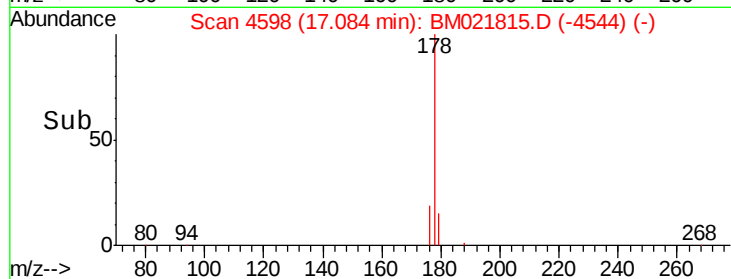
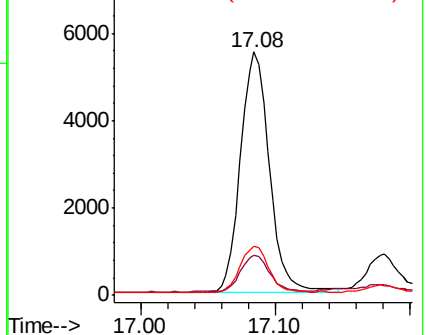
176 20.4 16.8 25.2



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: 0.097 ng/ul

RT: 17.18 min Scan# 4626

Delta R.T. -0.01 min

Lab File: BM021815.D

Acq: 04 Aug 2019 16:36

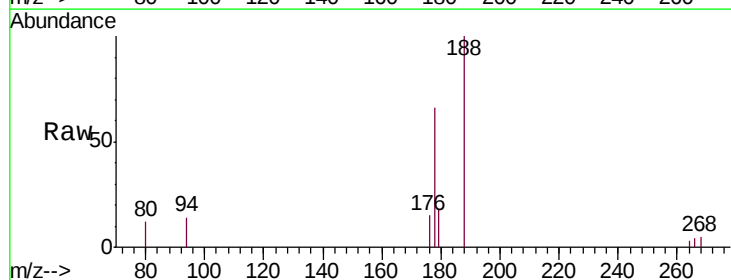
Tgt Ion:178 Resp: 1340

Ion Ratio Lower Upper

178 100

179 26.7 15.5 23.3#

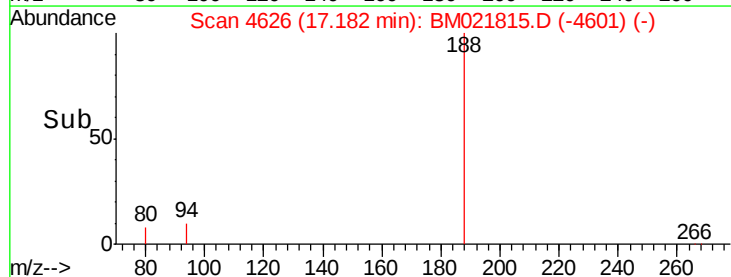
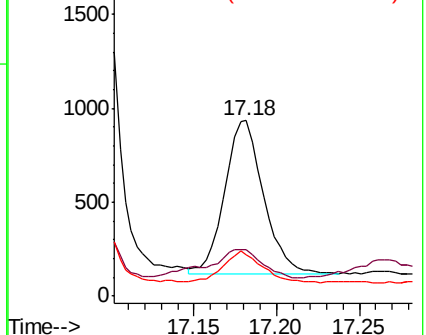
176 23.6 16.6 25.0

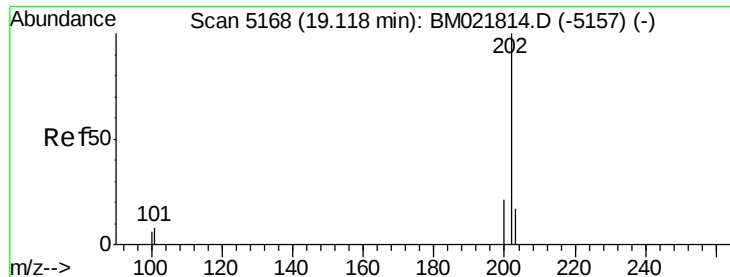


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

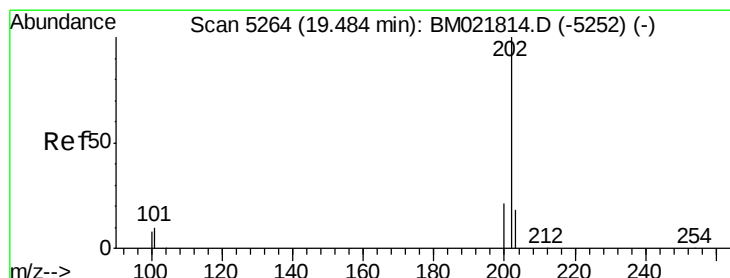
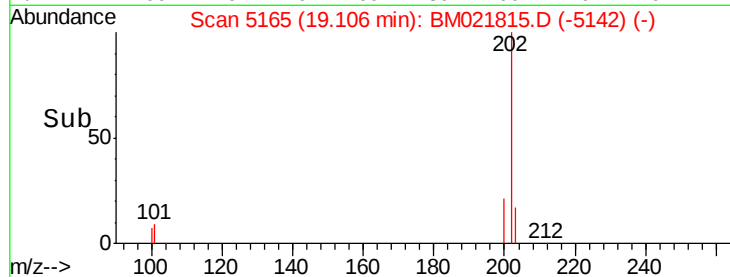
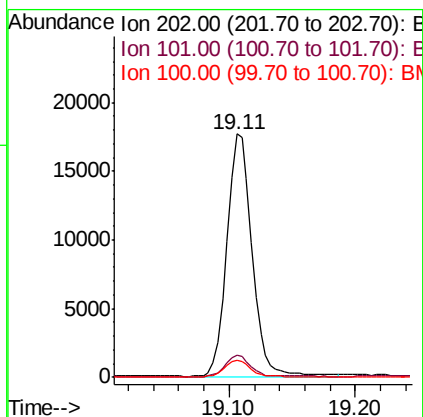
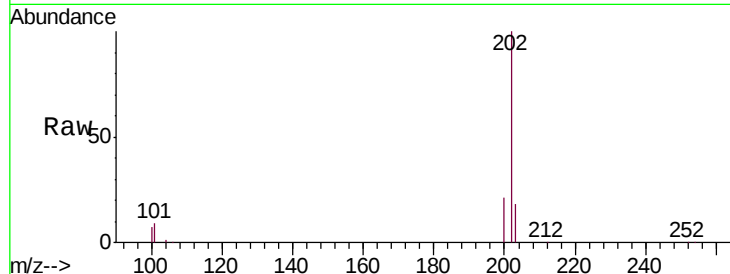




#15
Fluoranthene
Concen: 1.128 ng/ul
RT: 19.11 min Scan# 5165
Delta R.T. -0.01 min
Lab File: BM021815.D
Acq: 04 Aug 2019 16:36

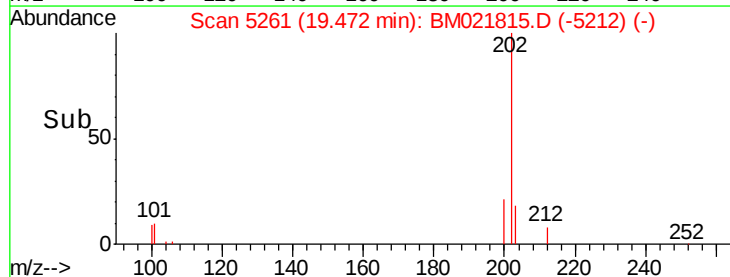
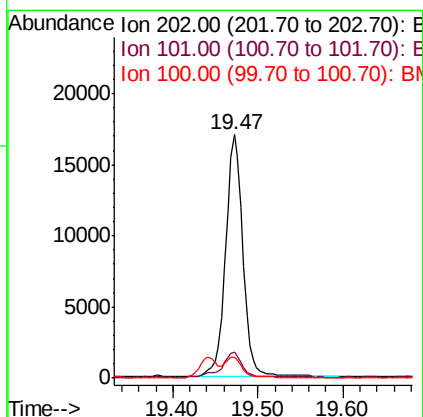
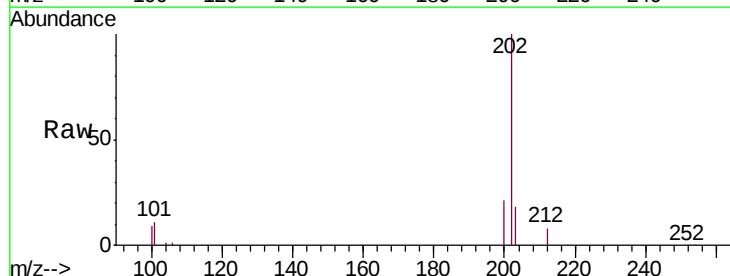
Instrument :
BNA_M
ClientSampleId :
BENR6DL

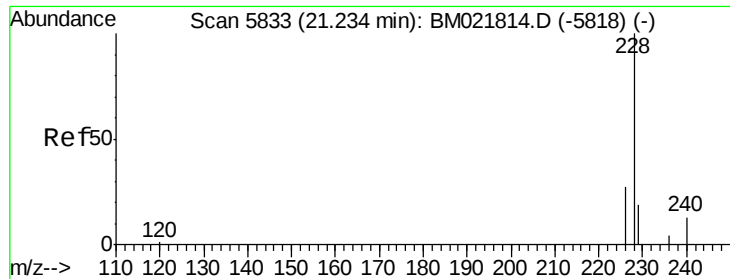
Tgt Ion:	202	Resp:	24498
Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	30.2
100	7.1	0.0	28.1



#17
Pyrene
Concen: 1.027 ng/ul
RT: 19.47 min Scan# 5261
Delta R.T. -0.01 min
Lab File: BM021815.D
Acq: 04 Aug 2019 16:36

Tgt Ion:	202	Resp:	24415
Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.3	12.5
100	8.8	7.2	10.8





#18

Benzo(a)anthracene

Concen: 0.557 ng/ul

RT: 21.23 min Scan# 5830

Delta R.T. -0.01 min

Lab File: BM021815.D

Acq: 04 Aug 2019 16:36

Instrument :

BNA_M

ClientSampleId :

BENR6DL

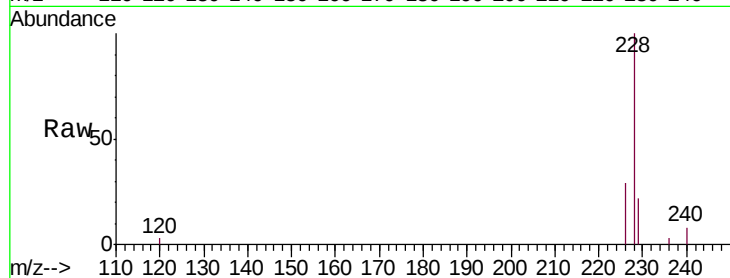
Tgt Ion:228 Resp: 11518

Ion Ratio Lower Upper

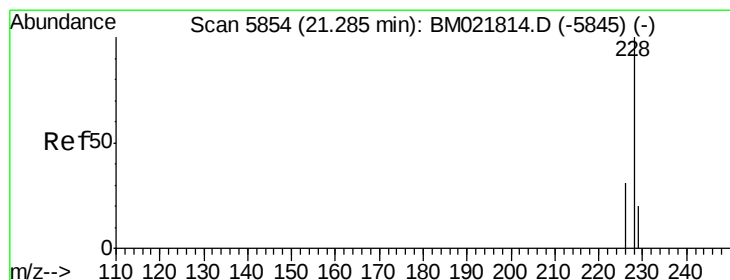
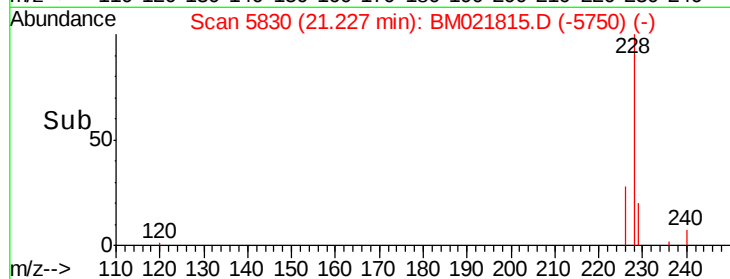
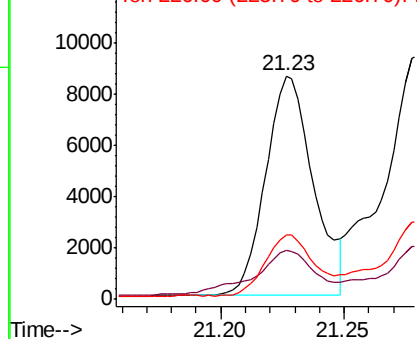
228 100

229 21.9 17.2 25.8

226 28.9 22.6 34.0



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: 0.590 ng/ul

RT: 21.28 min Scan# 5852

Delta R.T. -0.00 min

Lab File: BM021815.D

Acq: 04 Aug 2019 16:36

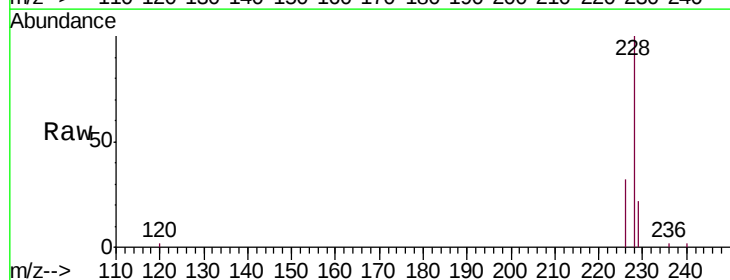
Tgt Ion:228 Resp: 15692

Ion Ratio Lower Upper

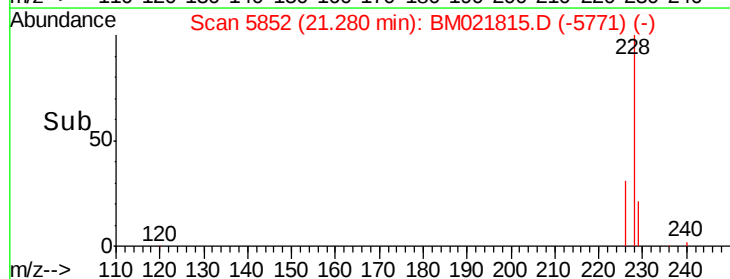
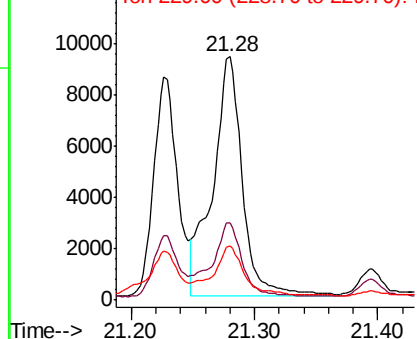
228 100

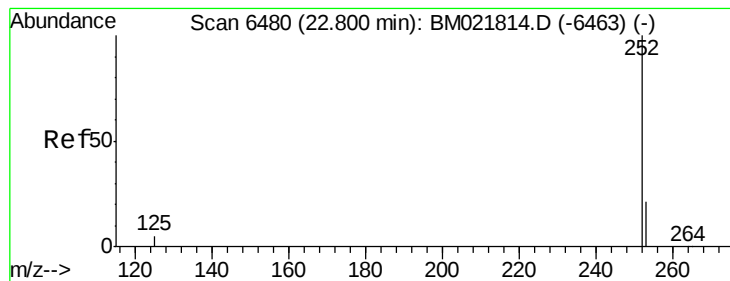
226 31.6 24.9 37.3

229 22.1 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: 1.082 ng/u1

RT: 22.79 min Scan# 6477

Delta R.T. -0.01 min

Lab File: BM021815.D

Acq: 04 Aug 2019 16:36

Instrument :

BNA_M

ClientSampleId :

BENR6DL

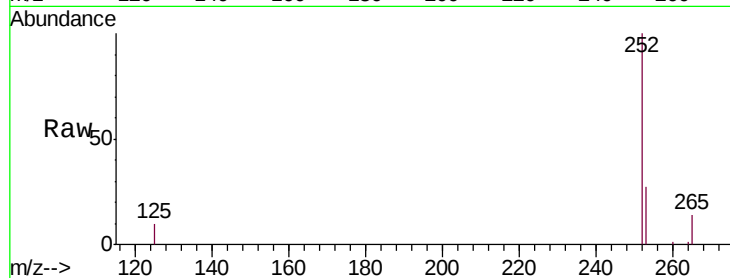
Tgt Ion:252 Resp: 30946

Ion Ratio Lower Upper

252 100

253 26.6 0.0 67.4

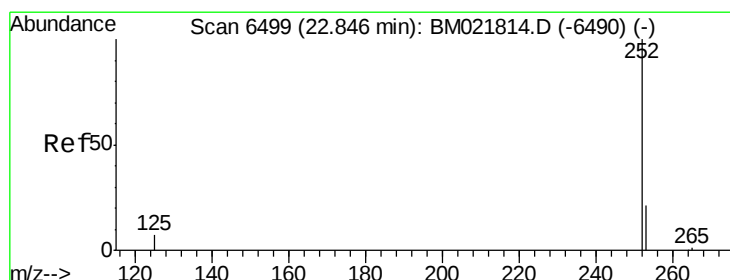
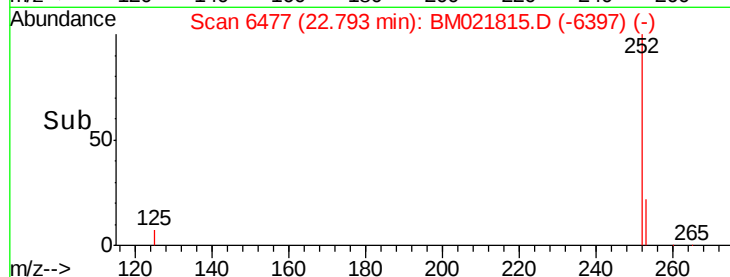
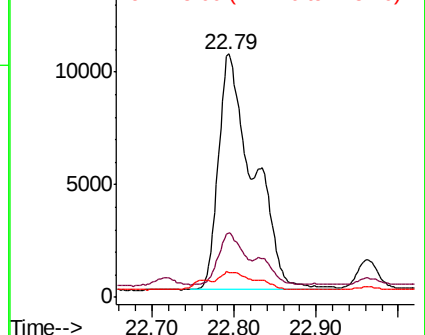
125 10.4 0.0 31.0



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: 0.957 ng/u1

RT: 22.79 min Scan# 6477

Delta R.T. -0.05 min

Lab File: BM021815.D

Acq: 04 Aug 2019 16:36

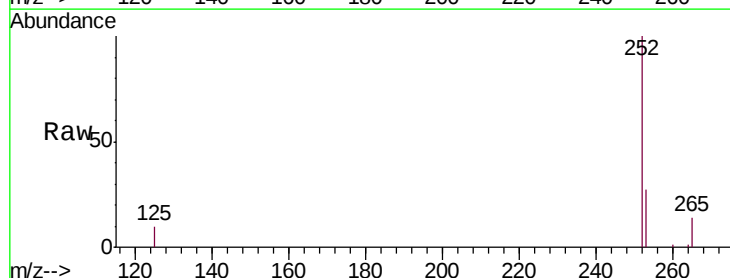
Tgt Ion:252 Resp: 30989

Ion Ratio Lower Upper

252 100

253 26.6 27.0 40.4#

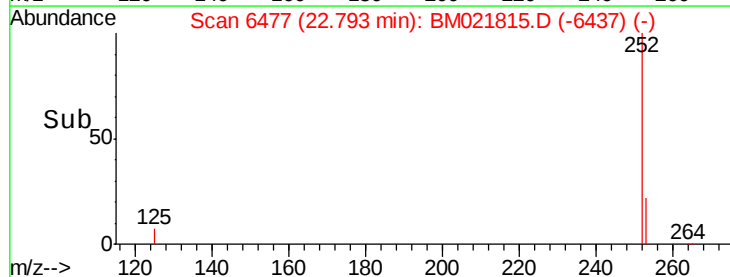
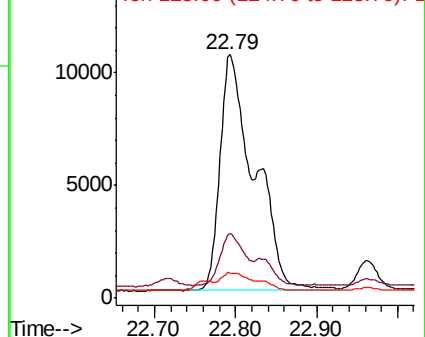
125 10.4 12.2 18.2#

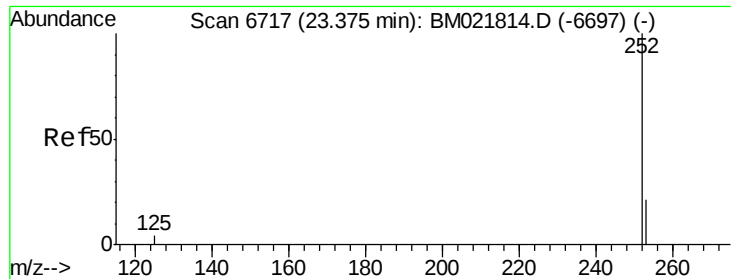


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.485 ng/u1

RT: 23.36 min Scan# 6711

Delta R.T. -0.01 min

Lab File: BM021815.D

Acq: 04 Aug 2019 16:36

Instrument :

BNA_M

ClientSampleId :

BENR6DL

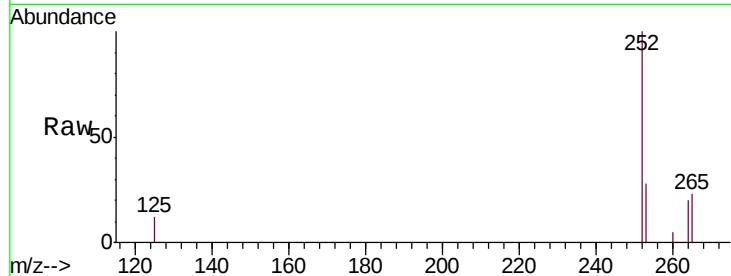
Tgt Ion:252 Resp: 14108

Ion Ratio Lower Upper

252 100

253 28.1 31.7 47.5#

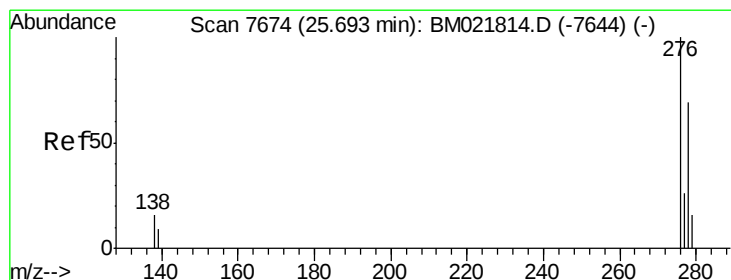
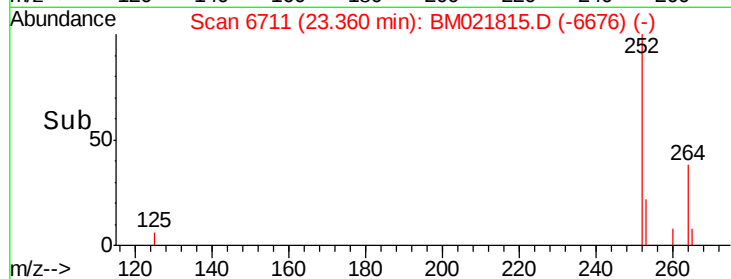
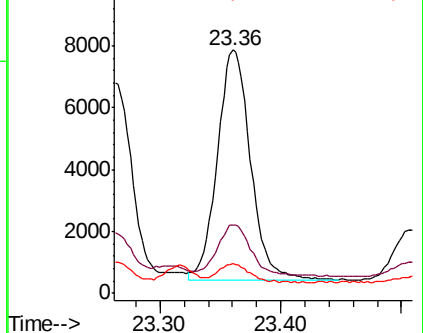
125 12.3 14.6 21.8#



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: 0.340 ng/u1

RT: 25.68 min Scan# 7668

Delta R.T. -0.01 min

Lab File: BM021815.D

Acq: 04 Aug 2019 16:36

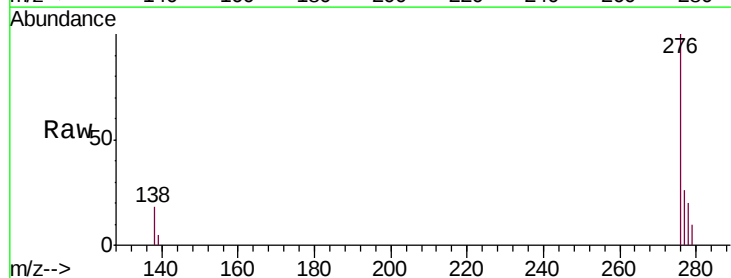
Tgt Ion:276 Resp: 11821

Ion Ratio Lower Upper

276 100

138 14.6 15.1 22.7#

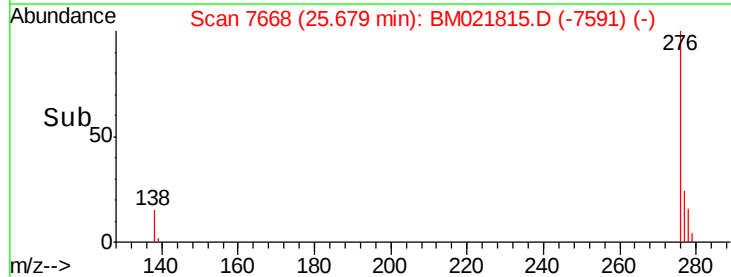
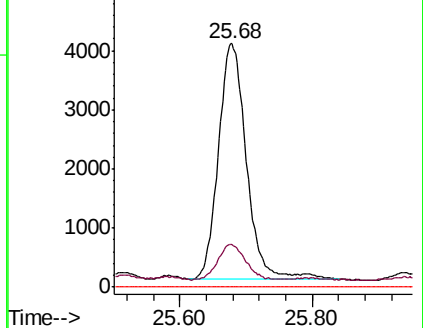
227 0.0 0.0 0.0

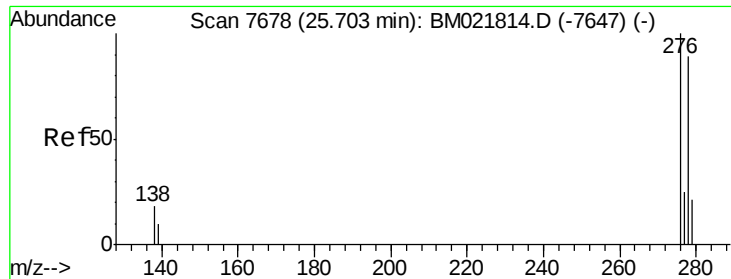


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

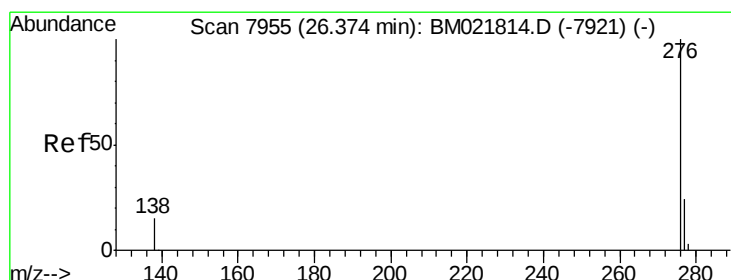
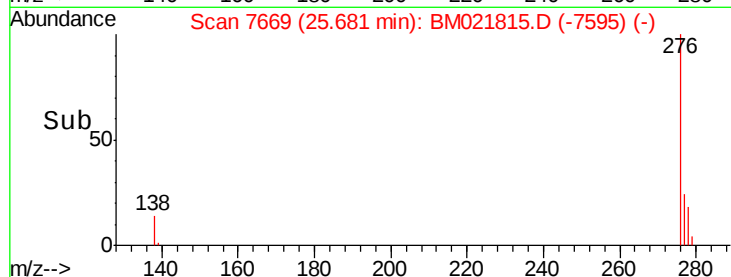
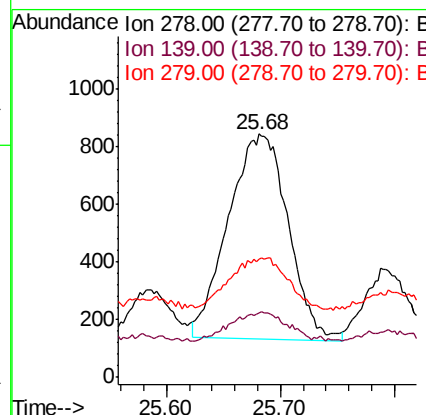
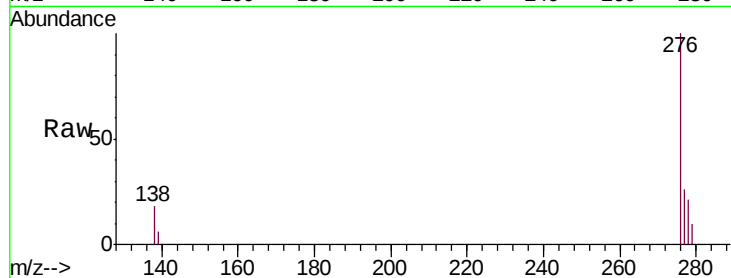




#25
Dibenzo(a,h)anthracene
Concen: 0.092 ng/ul
RT: 25.68 min Scan# 7669
Delta R.T. -0.02 min
Lab File: BM021815.D
Acq: 04 Aug 2019 16:36

Instrument :
BNA_M
ClientSampleId :
BENR6DL

Tgt Ion: 278 Resp: 2596
Ion Ratio Lower Upper
278 100
139 26.7 14.2 21.2#
279 48.5 28.3 42.5#



#26
Benzo(g,h,i)perylene
Concen: 0.391 ng/ul
RT: 26.36 min Scan# 7949
Delta R.T. -0.01 min
Lab File: BM021815.D
Acq: 04 Aug 2019 16:36

Tgt Ion: 276 Resp: 12218
Ion Ratio Lower Upper
276 100
138 18.8 15.5 23.3
277 26.5 21.4 32.2

