

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20RE
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENS6

Quant Time: Aug 05 05:30:06 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 05:26:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	927	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.42	136	3666	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.29	164	2297	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.14	188	239835	0.40	ng/ul	0.08
16) Chrysene-d12	0.00	240	0	0.00	ng/ul	-21.25
20) Perylene-d12	23.46	264	10629	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1134	0.19	ng/ul	-0.02
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

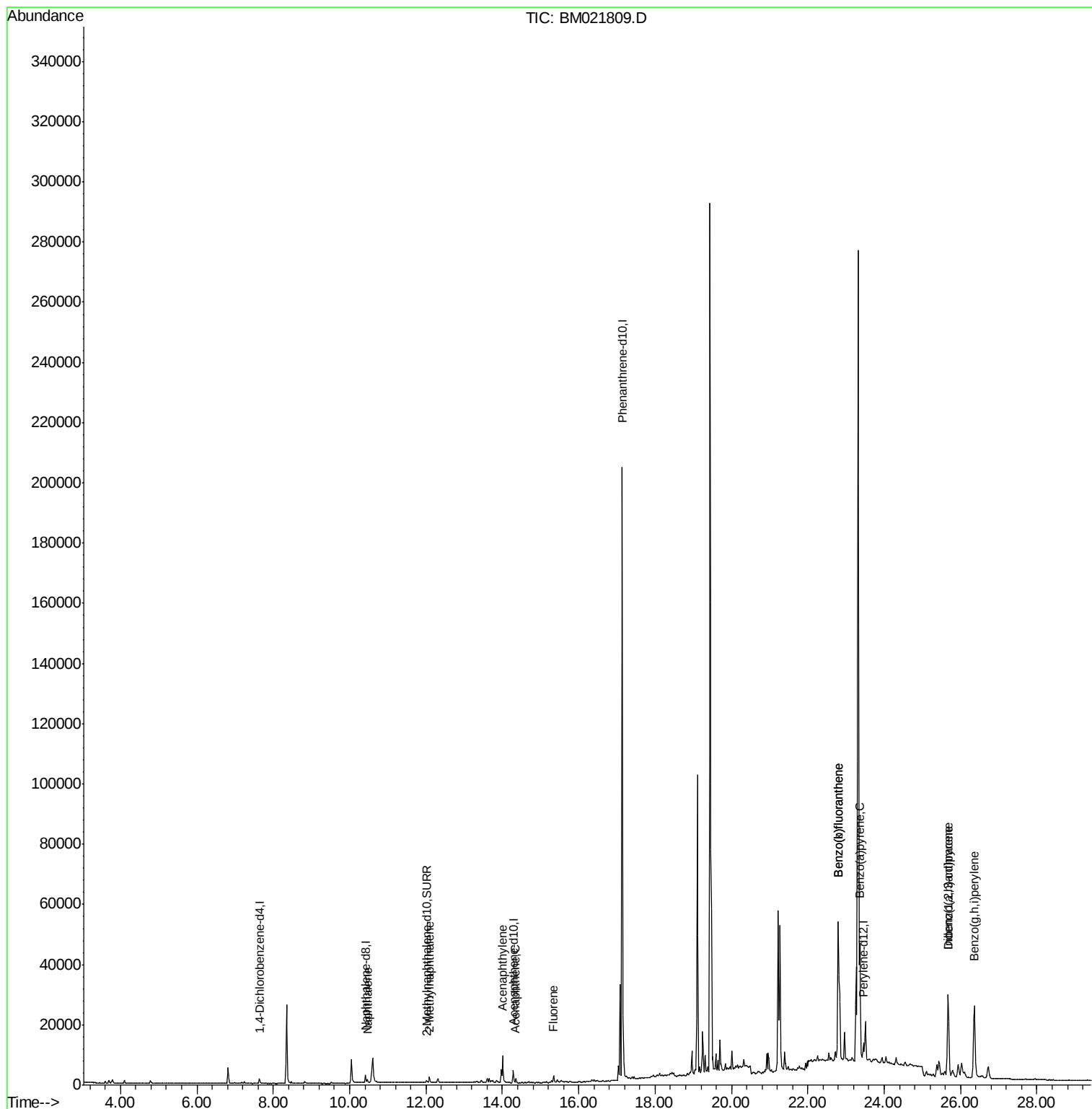
Target Compounds					Qvalue	
3) Naphthalene	10.47	128	1562	0.151	ng/ul	95
5) 2-Methylnaphthalene	12.09	142	1504	0.218	ng/ul	93
7) Acenaphthylene	14.01	152	6342	0.592	ng/ul	97
8) Acenaphthene	14.35	153	920	0.105	ng/ul	97
9) Fluorene	15.34	166	1611	0.165	ng/ul#	98
21) Benzo(b)fluoranthene	22.79	252	104856	2.925	ng/ul	89
22) Benzo(k)fluoranthene	22.79	252	104824	2.584	ng/ul#	89
23) Benzo(a)pyrene	23.36	252	50294	1.380	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.68	276	44723	1.028	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.68	278	10198	0.290	ng/ul#	75
26) Benzo(g,h,i)perylene	26.36	276	51810	1.322	ng/ul	95

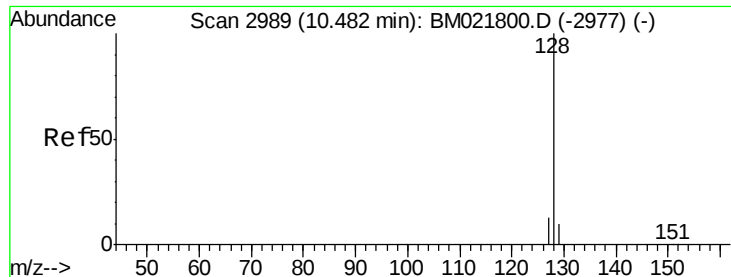
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.151 ng/ul

RT: 10.47 min Scan# 2985

Delta R.T. -0.02 min

Lab File: BM021809.D

Acq: 04 Aug 2019 12:57

Instrument :

BNA_M

ClientSampleId :

BENS6

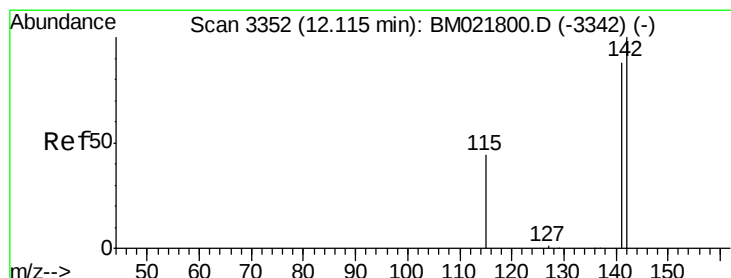
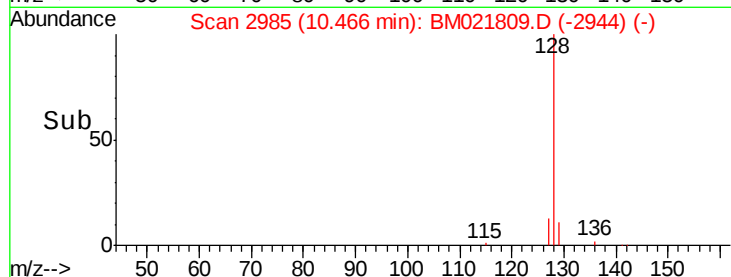
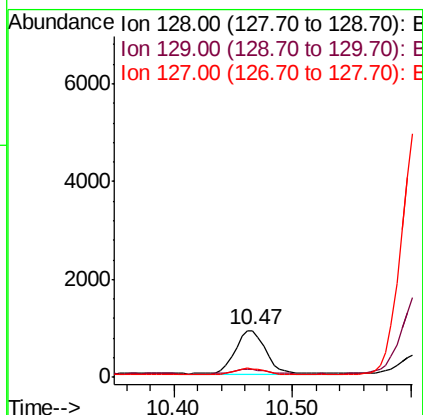
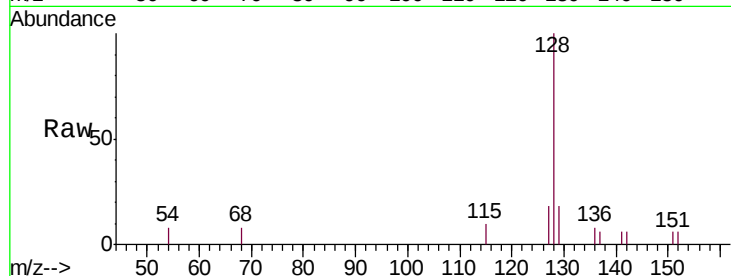
Tgt Ion:128 Resp: 1562

Ion Ratio Lower Upper

128 100

129 17.7 12.3 18.5

127 18.2 13.0 19.6



#5

2-Methylnaphthalene

Concen: 0.218 ng/ul

RT: 12.09 min Scan# 3346

Delta R.T. -0.03 min

Lab File: BM021809.D

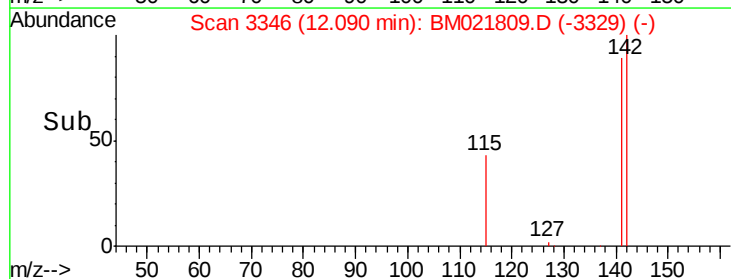
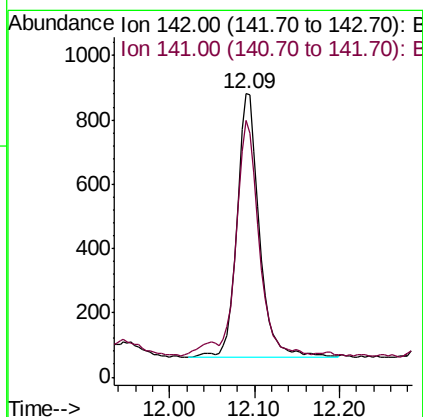
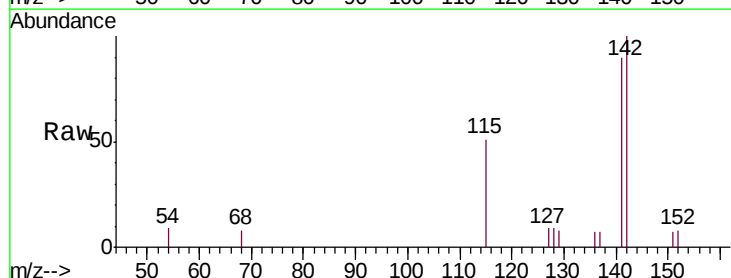
Acq: 04 Aug 2019 12:57

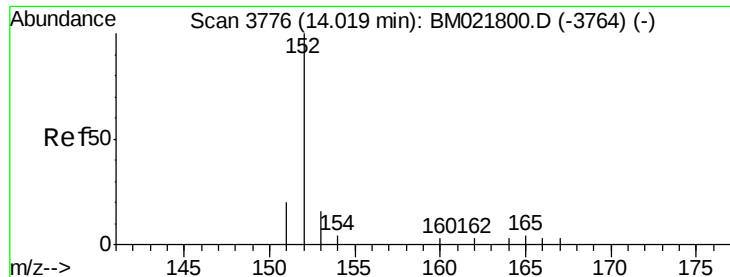
Tgt Ion:142 Resp: 1504

Ion Ratio Lower Upper

142 100

141 86.4 74.3 111.5





#7

Acenaphthylene

Concen: 0.592 ng/ul

RT: 14.01 min Scan# 3772

Delta R.T. -0.01 min

Lab File: BM021809.D

Acq: 04 Aug 2019 12:57

Instrument :

BNA_M

ClientSampleId :

BENS6

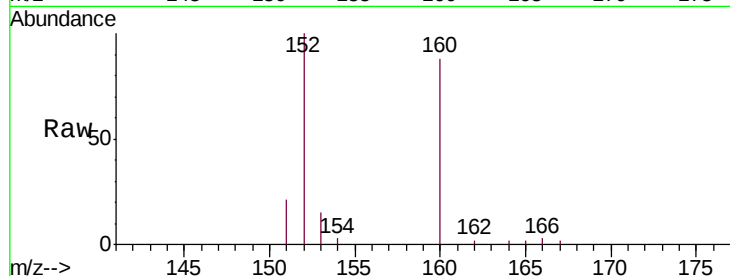
Tgt Ion:152 Resp: 6342

Ion Ratio Lower Upper

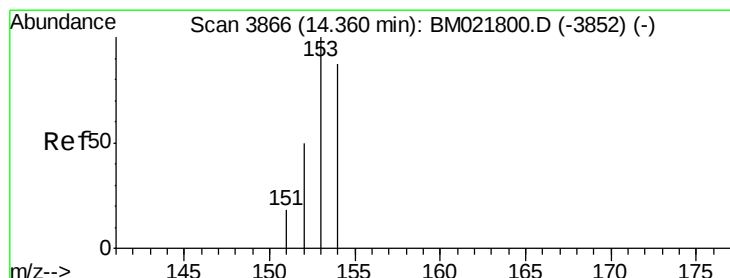
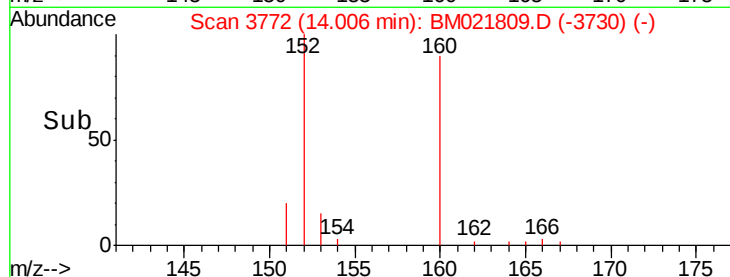
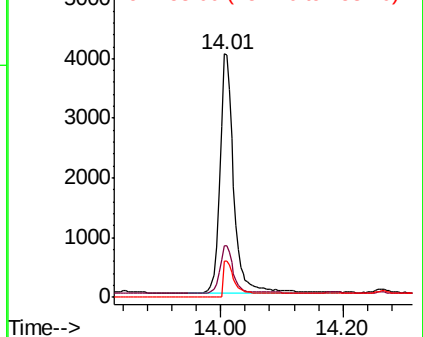
152 100

151 21.4 18.3 27.5

153 14.9 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: 0.105 ng/ul

RT: 14.35 min Scan# 3863

Delta R.T. -0.01 min

Lab File: BM021809.D

Acq: 04 Aug 2019 12:57

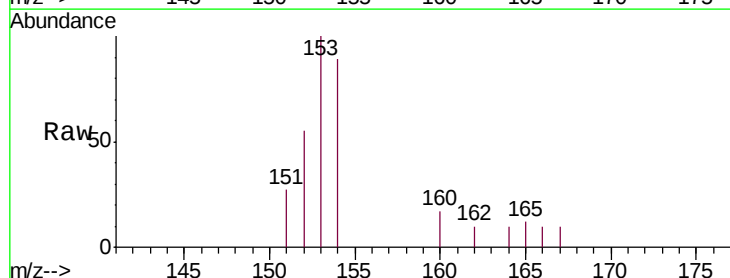
Tgt Ion:153 Resp: 920

Ion Ratio Lower Upper

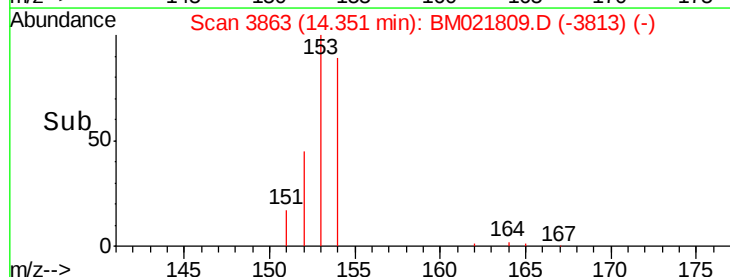
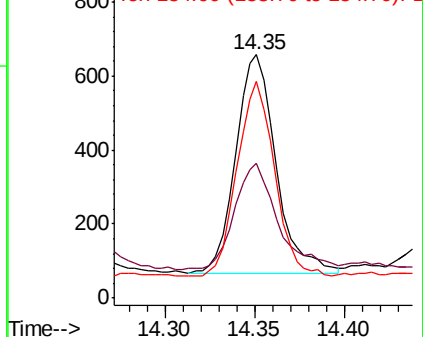
153 100

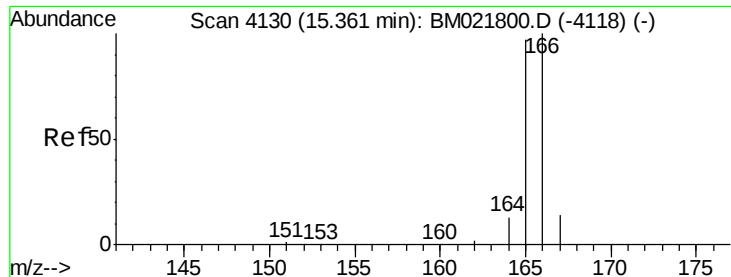
152 55.2 41.3 61.9

154 88.9 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: 0.165 ng/ul

RT: 15.34 min Scan# 4125

Delta R.T. -0.02 min

Lab File: BM021809.D

Acq: 04 Aug 2019 12:57

Instrument :

BNA_M

ClientSampled :

BENS6

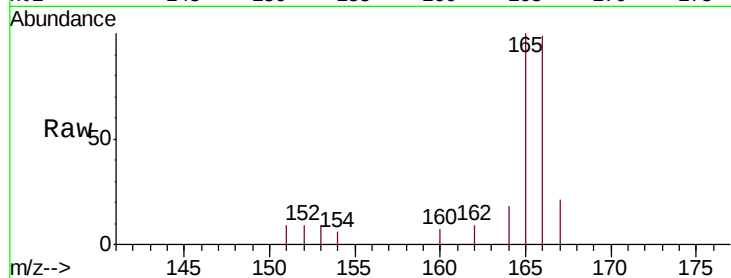
Tgt Ion:166 Resp: 1611

Ion Ratio Lower Upper

166 100

165 101.2 81.4 122.0

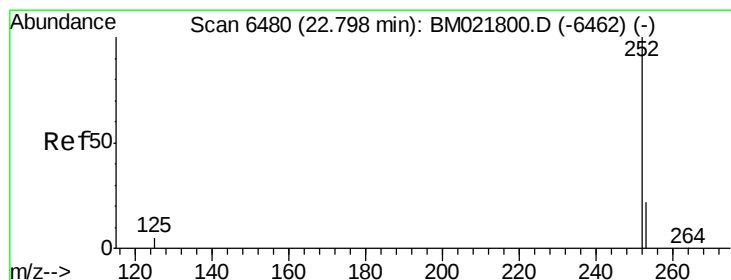
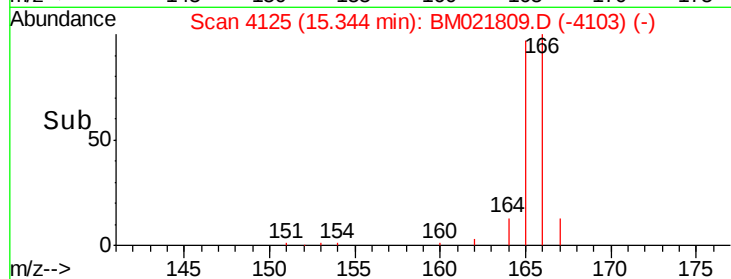
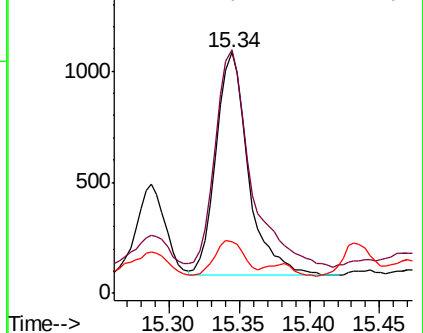
167 21.5 13.7 20.5#



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



#21

Benzo(b)fluoranthene

Concen: 2.925 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.01 min

Lab File: BM021809.D

Acq: 04 Aug 2019 12:57

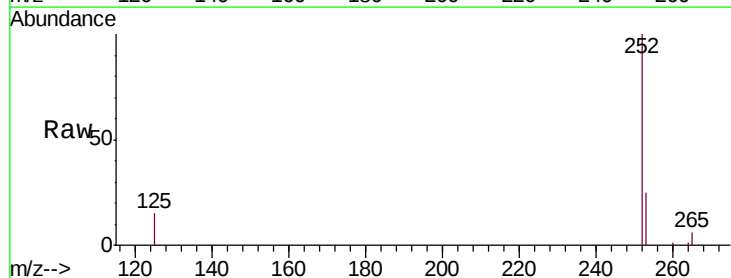
Tgt Ion:252 Resp: 104856

Ion Ratio Lower Upper

252 100

253 25.0 0.0 67.4

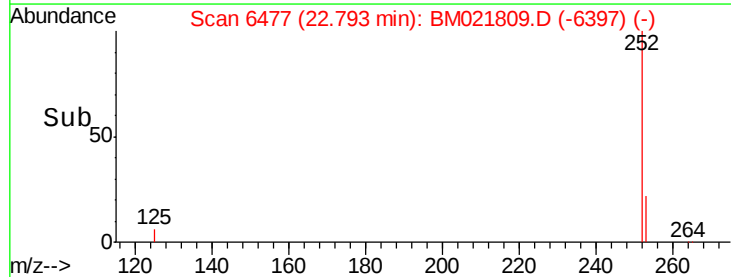
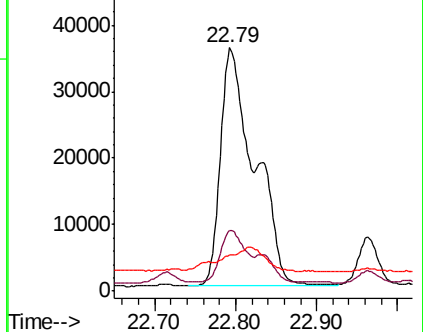
125 15.0 0.0 31.0

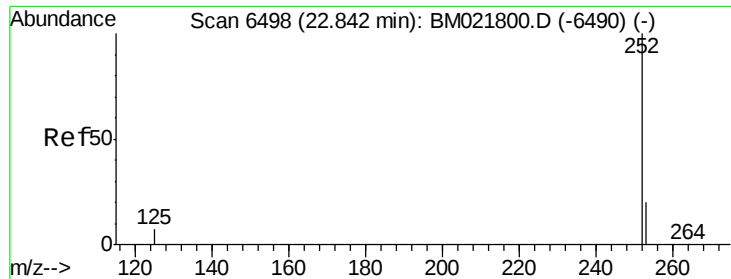


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.584 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.05 min

Lab File: BM021809.D

Acq: 04 Aug 2019 12:57

Instrument :

BNA_M

ClientSampleId :

BENS6

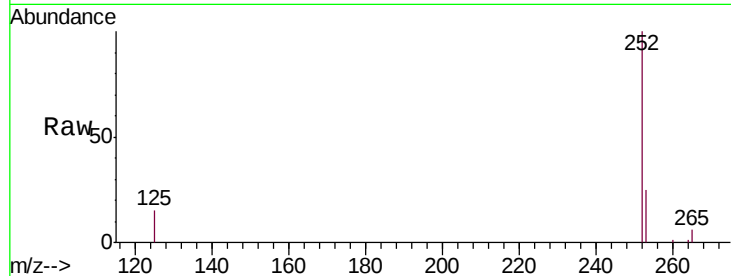
Tgt Ion:252 Resp: 104824

Ion Ratio Lower Upper

252 100

253 25.0 27.0 40.4#

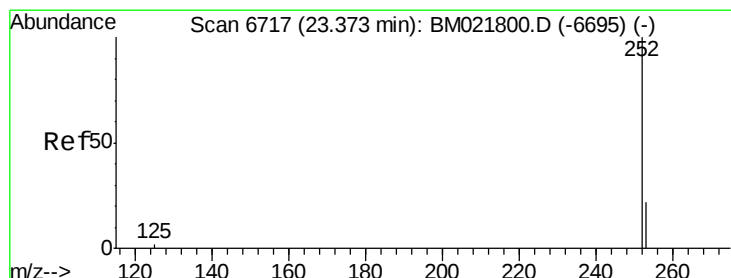
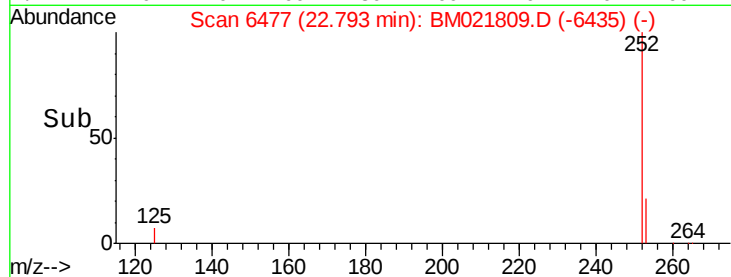
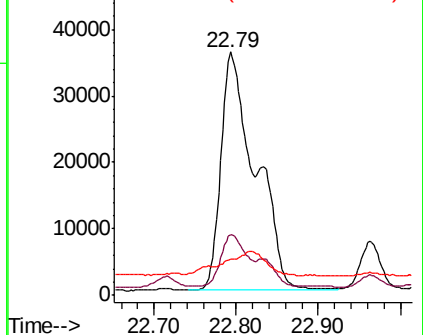
125 15.0 12.2 18.2



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: 1.380 ng/ul

RT: 23.36 min Scan# 6711

Delta R.T. -0.01 min

Lab File: BM021809.D

Acq: 04 Aug 2019 12:57

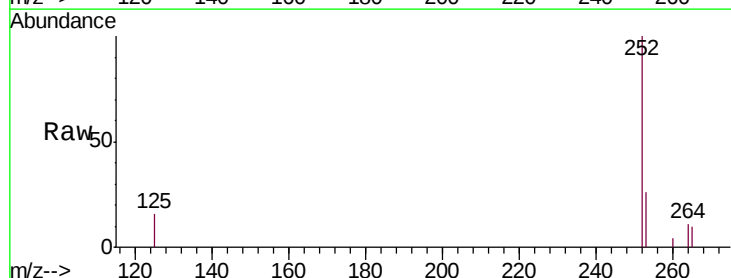
Tgt Ion:252 Resp: 50294

Ion Ratio Lower Upper

252 100

253 25.8 31.7 47.5#

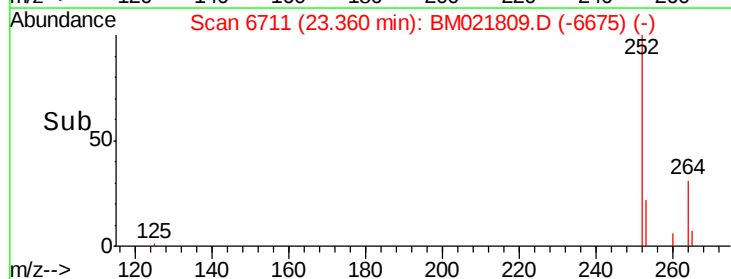
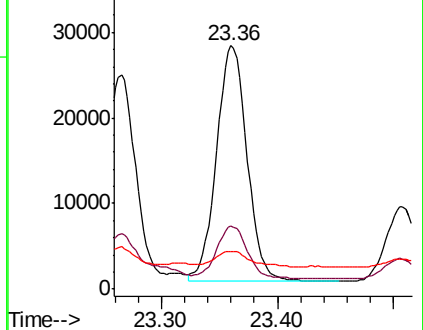
125 15.5 14.6 21.8

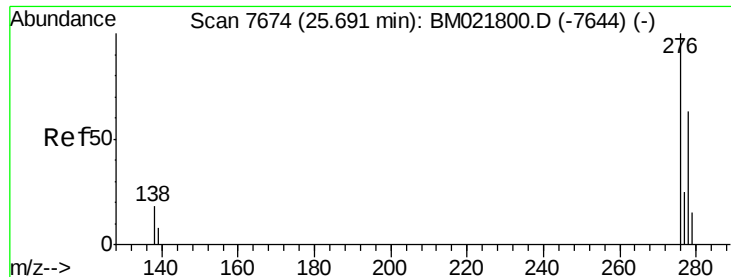


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.028 ng/u1

RT: 25.68 min Scan# 7667

Delta R.T. -0.02 min

Lab File: BM021809.D

Acq: 04 Aug 2019 12:57

Instrument :

BNA_M

ClientSampleId :

BENS6

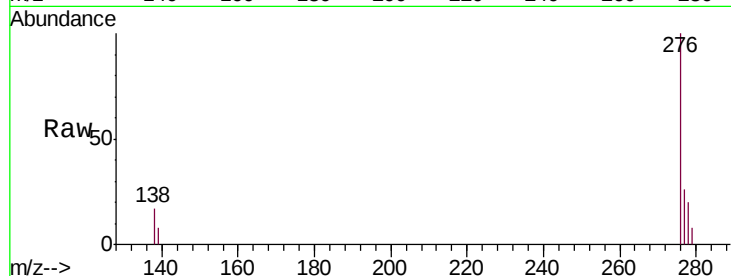
Tgt Ion:276 Resp: 44723

Ion Ratio Lower Upper

276 100

138 14.0 15.1 22.7#

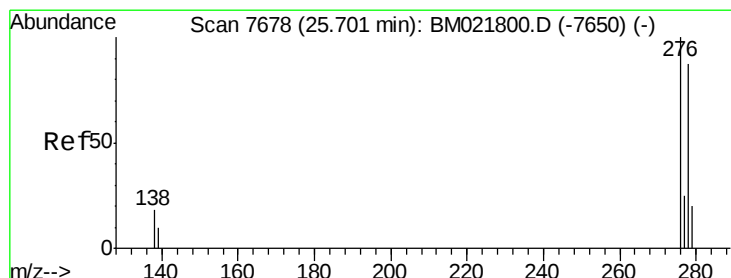
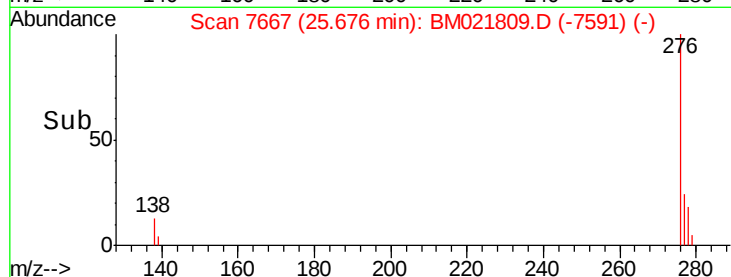
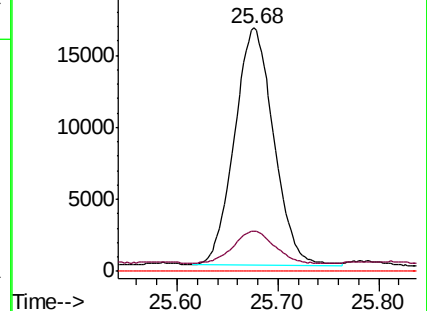
227 0.0 0.0 0.0



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: 0.290 ng/u1

RT: 25.68 min Scan# 7668

Delta R.T. -0.02 min

Lab File: BM021809.D

Acq: 04 Aug 2019 12:57

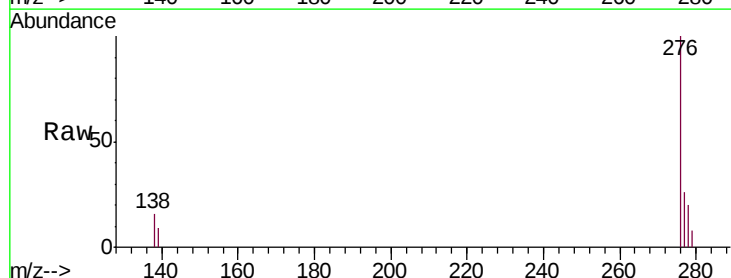
Tgt Ion:278 Resp: 10198

Ion Ratio Lower Upper

278 100

139 43.8 14.2 21.2#

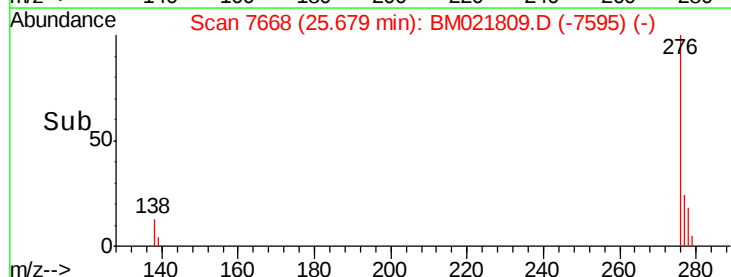
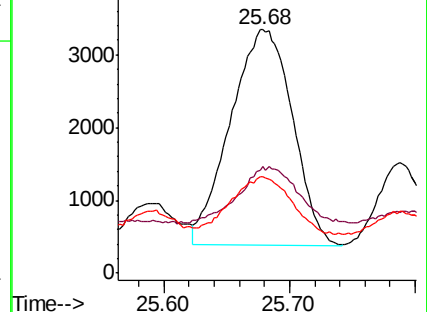
279 39.6 28.3 42.5

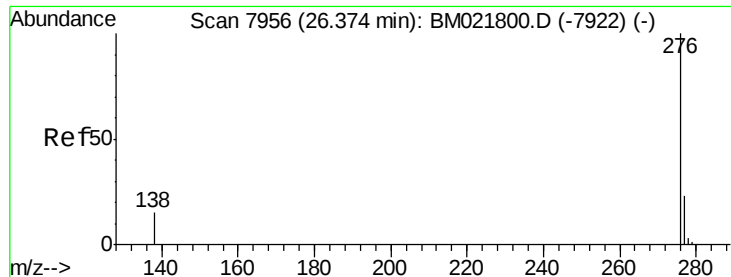


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.322 ng/ul

RT: 26.36 min Scan# 7949

Delta R.T. -0.02 min

Lab File: BM021809.D

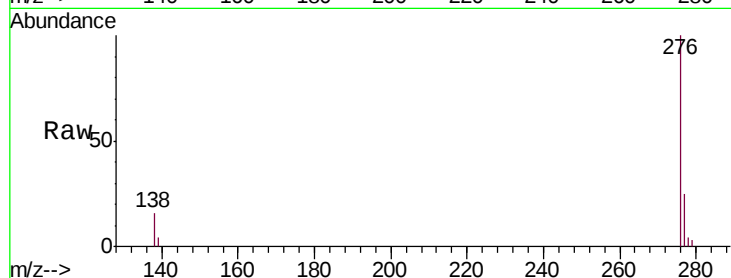
Acq: 04 Aug 2019 12:57

Instrument :

BNA_M

ClientSampleId :

BENS6



Tgt Ion: 276 Resp: 51810

Ion Ratio Lower Upper

276 100

138 15.9 15.5 23.3

277 25.3 21.4 32.2

