

Data File : BM021807.D
Acq On : 04 Aug 2019 11:44
Operator : HP/JU
Sample : K3850-17RE
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENS3

Quant Time: Aug 05 05:29:49 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	1014	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.42	136	3916	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.29	164	2328	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.14	188	212201	0.40	ng/ul	0.08
16) Chrysene-d12	0.00	240	0	0.00	ng/ul	-21.25
20) Perylene-d12	23.45	264	10551	0.40	ng/ul	-0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1038	0.16	ng/ul	-0.02
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

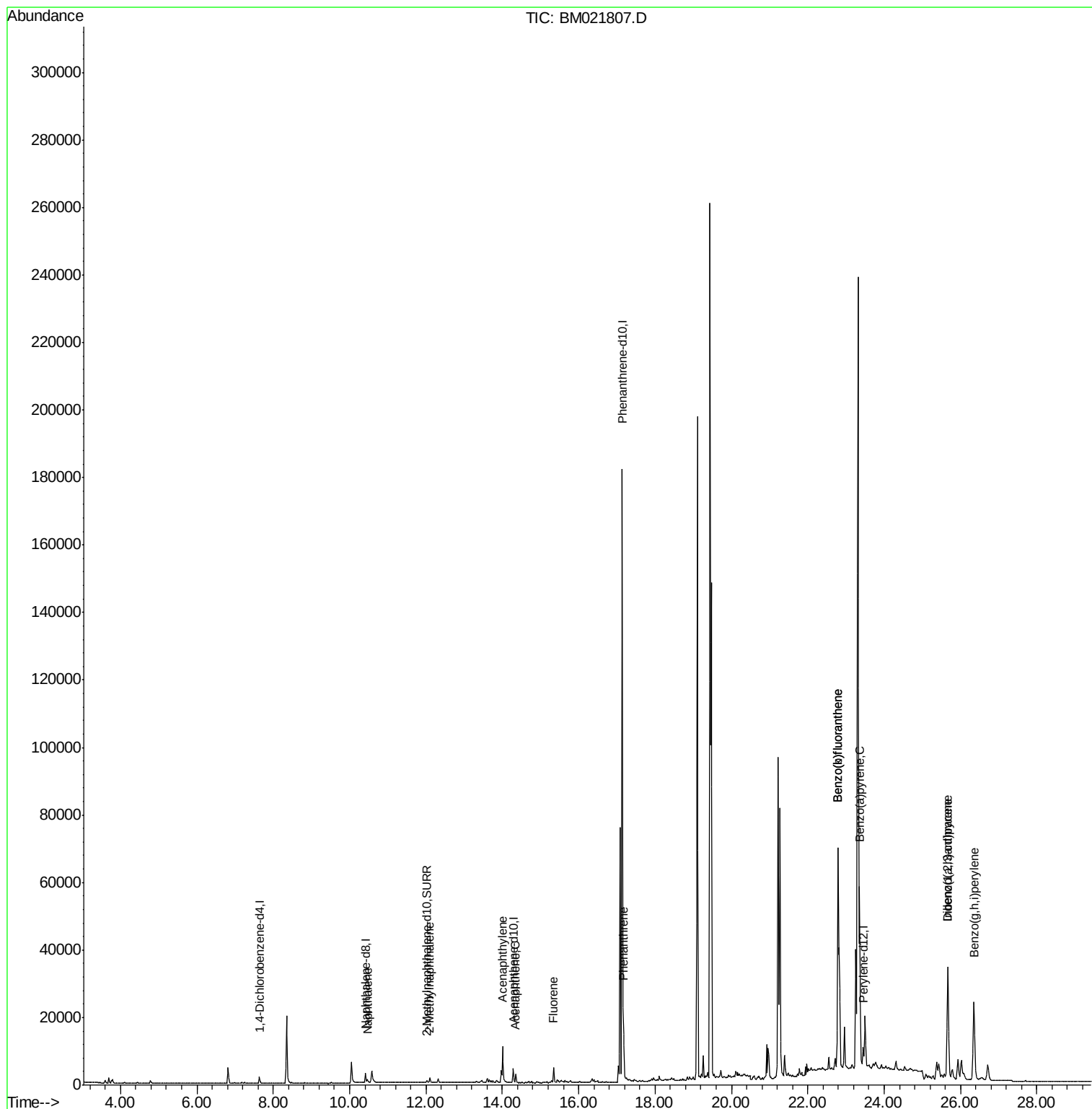
Target Compounds						Qvalue
3) Naphthalene	10.47	128	1417	0.128	ng/ul	95
5) 2-Methylnaphthalene	12.10	142	1275	0.173	ng/ul	95
7) Acenaphthylene	14.01	152	8321	0.766	ng/ul	95
8) Acenaphthene	14.35	153	1573	0.177	ng/ul	95
9) Fluorene	15.34	166	2907	0.295	ng/ul	98
12) Phenanthrene	17.17	178	16706	0.027	ng/ul	98
21) Benzo(b)fluoranthene	22.79	252	147147	4.136	ng/ul	83
22) Benzo(k)fluoranthene	22.79	252	147147	3.654	ng/ul#	83
23) Benzo(a)pyrene	23.36	252	69128	1.911	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.67	276	53100	1.229	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.67	278	14319	0.410	ng/ul	95
26) Benzo(g,h,i)perylene	26.35	276	49980	1.285	ng/ul#	94

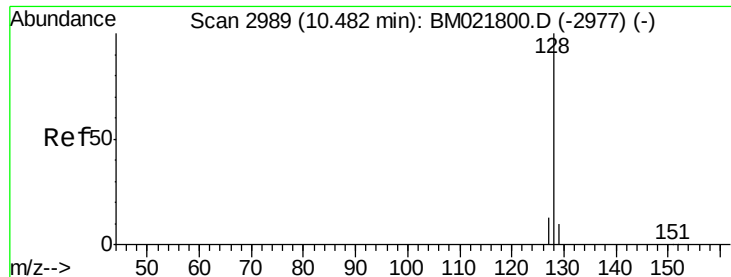
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.128 ng/ul

RT: 10.47 min Scan# 2985

Delta R.T. -0.02 min

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BNA_M

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BENS3

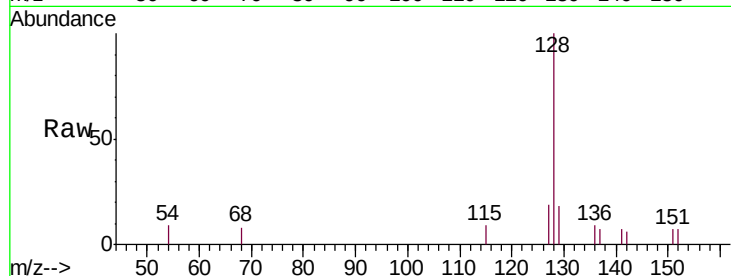
Tgt Ion:128 Resp: 1417

Ion Ratio Lower Upper

128 100

129 17.8 12.3 18.5

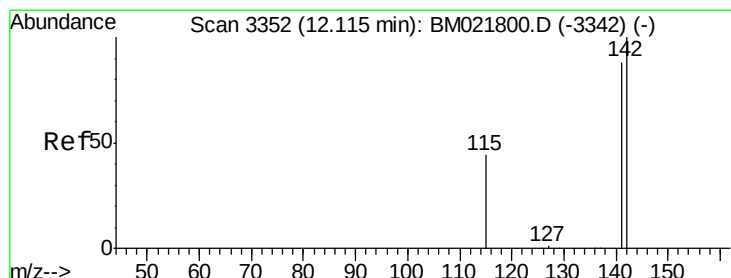
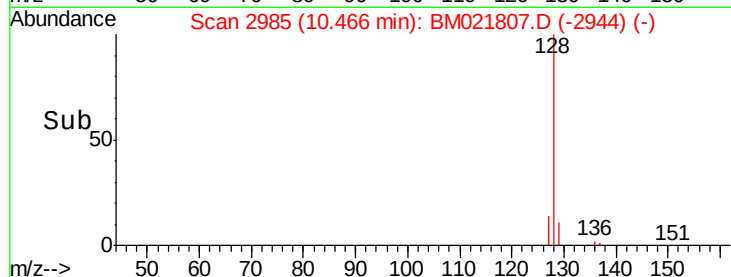
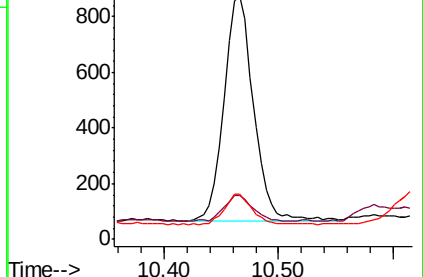
127 18.5 13.0 19.6



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: 0.173 ng/ul

RT: 12.10 min Scan# 3348

Delta R.T. -0.02 min

Lab File: BM021807.D

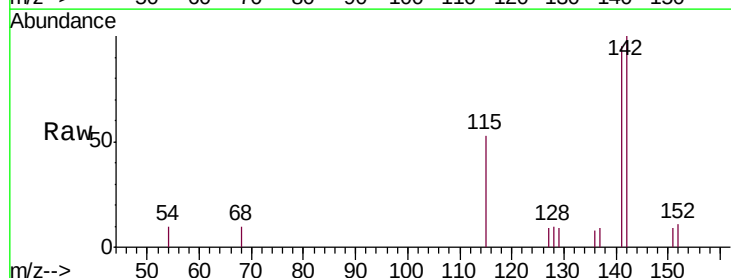
Acq: 04 Aug 2019 11:44

Tgt Ion:142 Resp: 1275

Ion Ratio Lower Upper

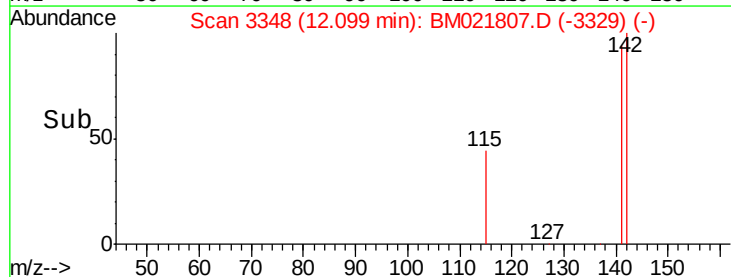
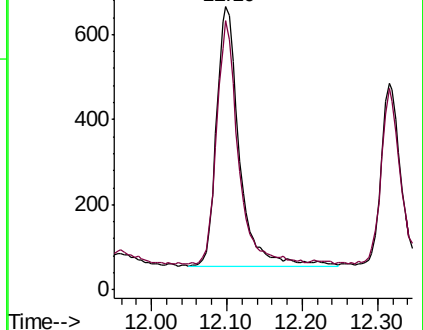
142 100

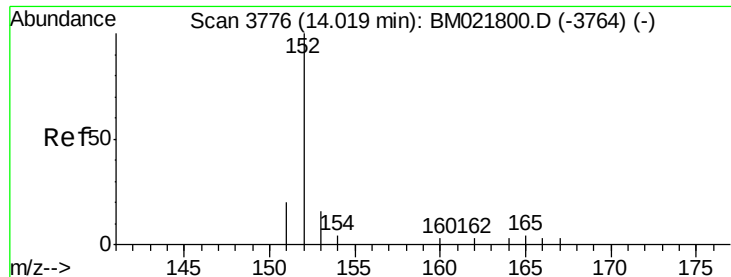
141 88.5 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.766 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.01 min

Lab File: BM021807.D

Acq: 04 Aug 2019 11:44

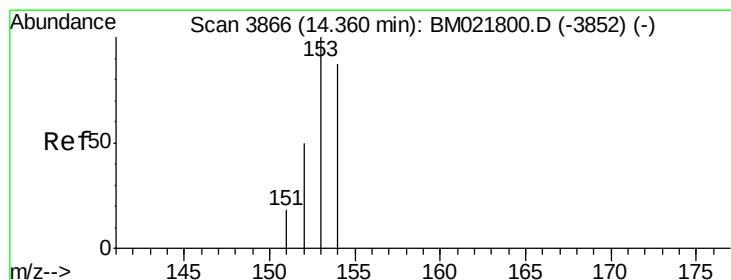
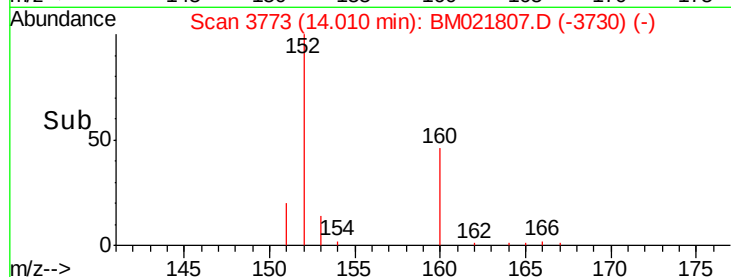
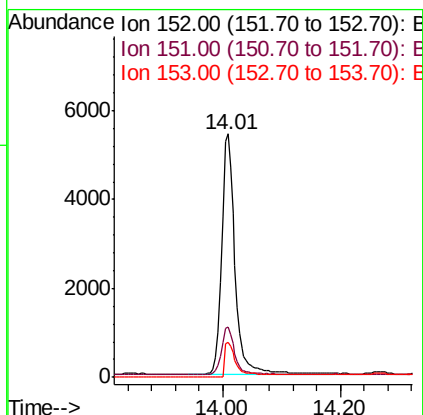
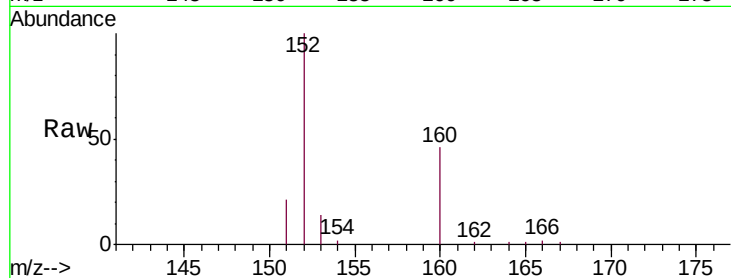
Instrument :

BNA_M

ClientSampleId :

BENS3

Tgt Ion:	152	Resp:	8321
Ion	Ratio	Lower	Upper
152	100		
151	20.6	18.3	27.5
153	14.2	12.8	19.2



#8

Acenaphthene

Concen: 0.177 ng/ul

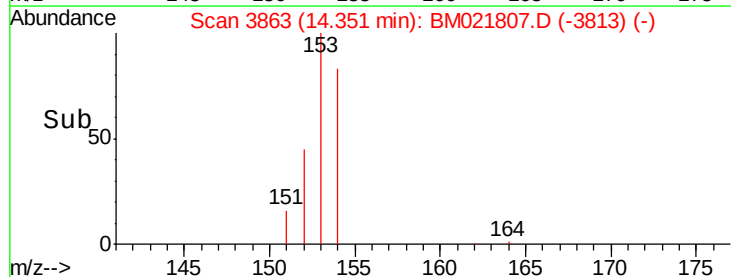
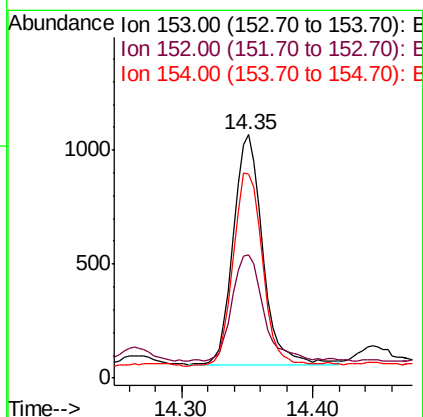
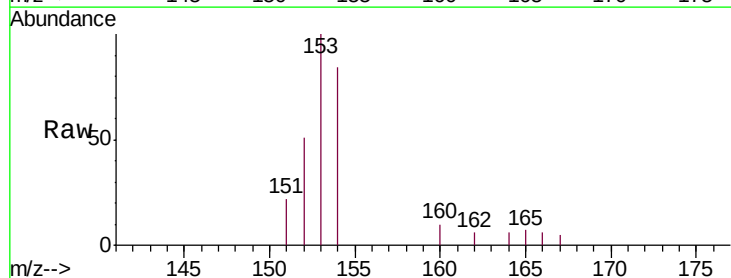
RT: 14.35 min Scan# 3863

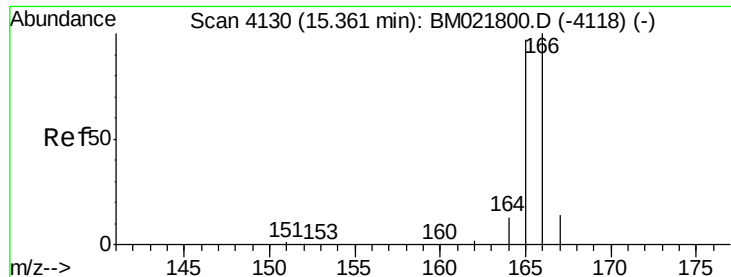
Delta R.T. -0.01 min

Lab File: BM021807.D

Acq: 04 Aug 2019 11:44

Tgt Ion:	153	Resp:	1573
Ion	Ratio	Lower	Upper
153	100		
152	50.8	41.3	61.9
154	83.9	72.3	108.5





#9

Fluorene

Concen: 0.295 ng/ul

RT: 15.34 min Scan# 4125

Delta R.T. -0.02 min

Lab File: BM021807.D

Acq: 04 Aug 2019 11:44

Instrument :

BNA_M

ClientSampleId :

BENS3

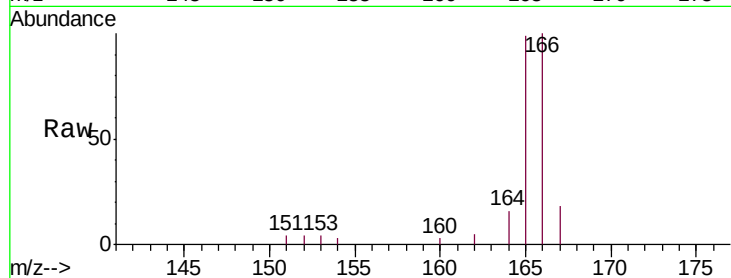
Tgt Ion:166 Resp: 2907

Ion Ratio Lower Upper

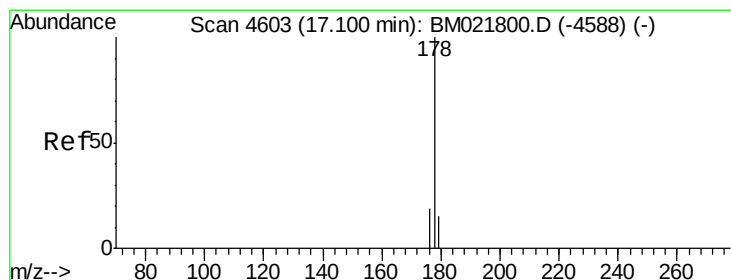
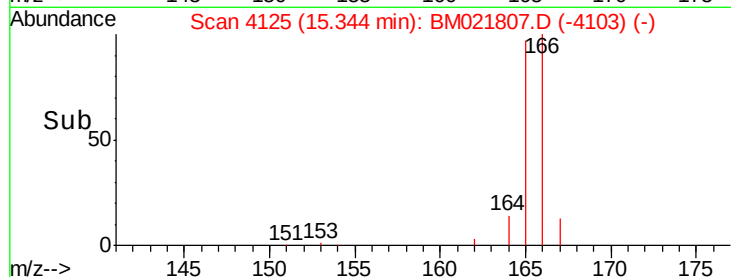
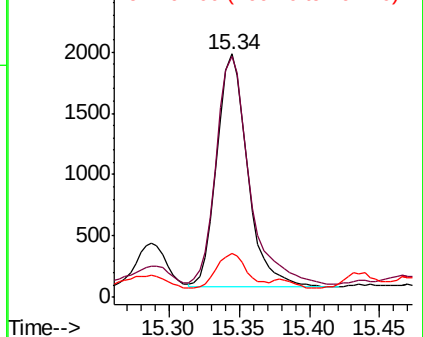
166 100

165 99.1 81.4 122.0

167 17.9 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: 0.027 ng/ul

RT: 17.17 min Scan# 4624

Delta R.T. 0.07 min

Lab File: BM021807.D

Acq: 04 Aug 2019 11:44

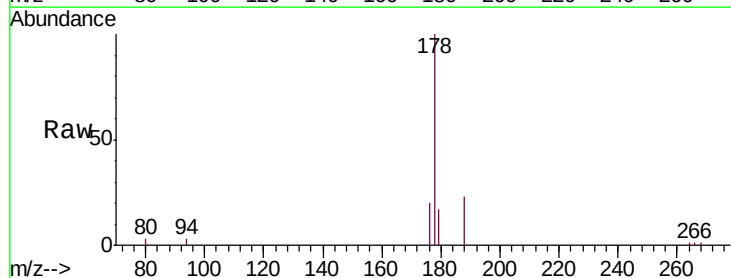
Tgt Ion:178 Resp: 16706

Ion Ratio Lower Upper

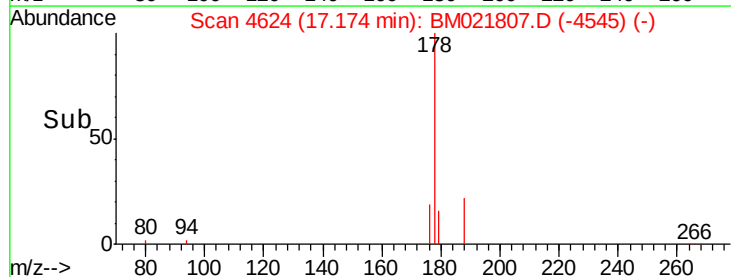
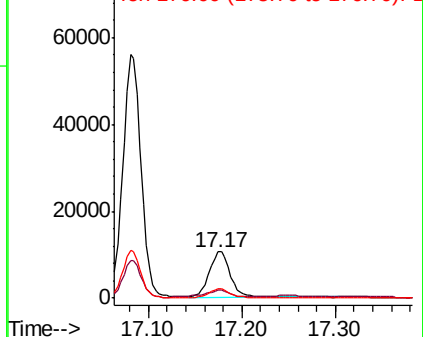
178 100

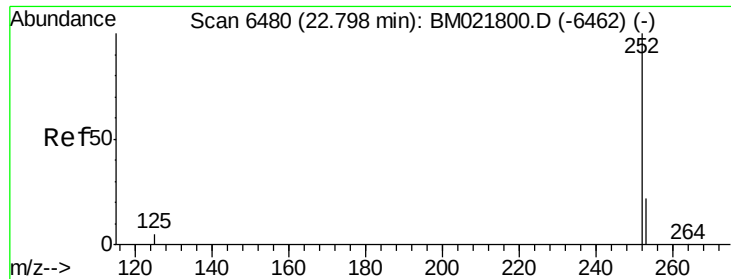
179 17.1 14.2 21.2

176 19.9 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





#21

Benzo(b)fluoranthene

Concen: 4.136 ng/ul

RT: 22.79 min Scan# 6476

Delta R.T. -0.01 min

Lab File: BM021807.D

Acq: 04 Aug 2019 11:44

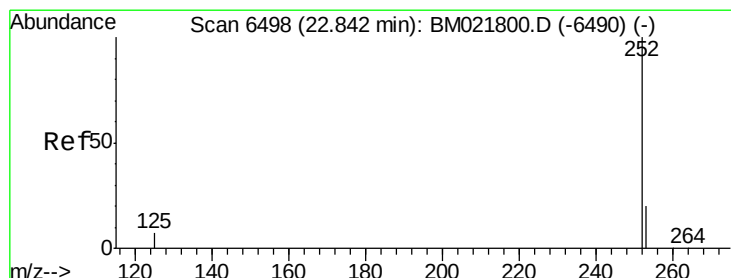
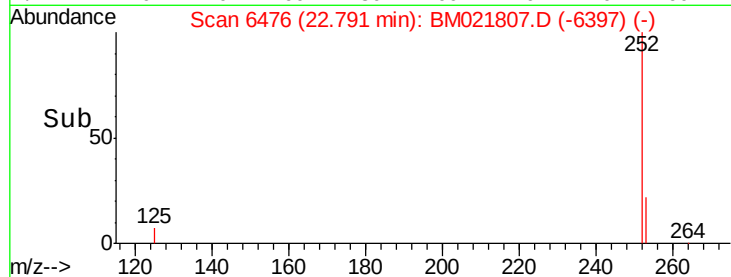
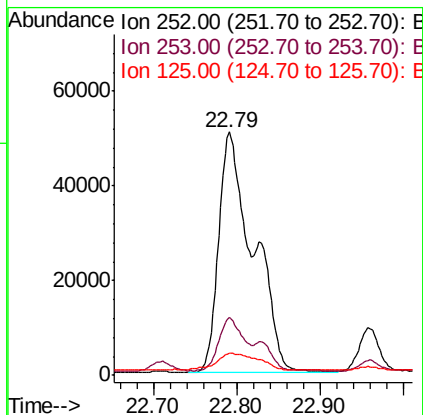
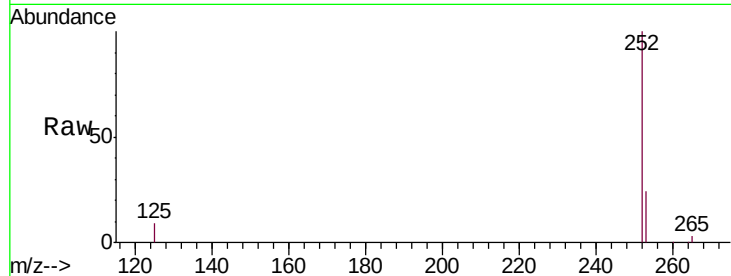
Instrument :

BNA_M

ClientSampleId :

BENS3

Tgt Ion:	252	Resp:	147147
Ion	Ratio	Lower	Upper
252	100		
253	23.6	0.0	67.4
125	9.1	0.0	31.0



#22

Benzo(k)fluoranthene

Concen: 3.654 ng/ul

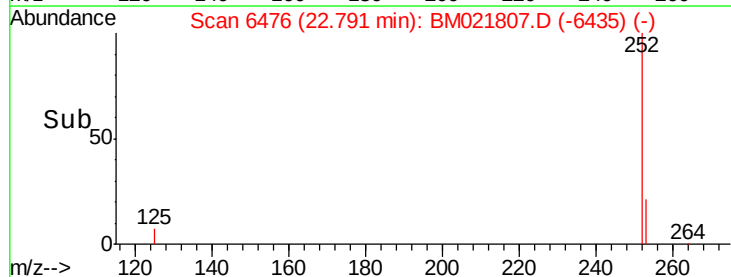
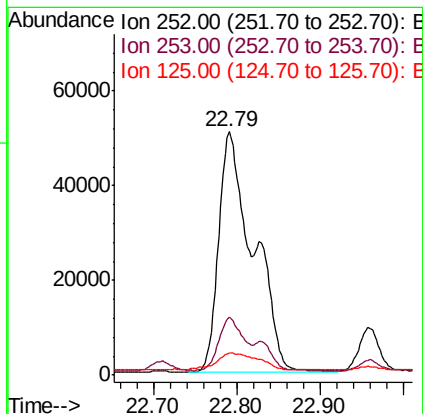
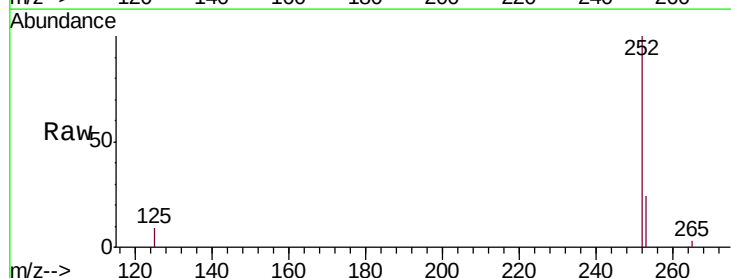
RT: 22.79 min Scan# 6476

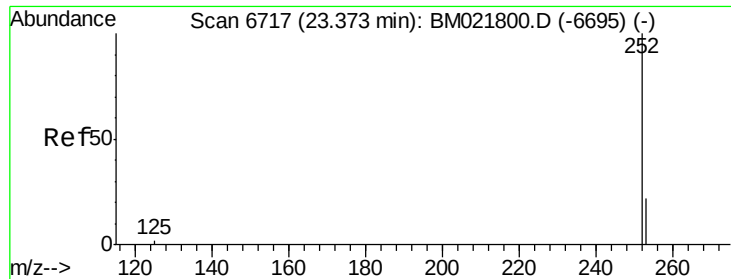
Delta R.T. -0.05 min

Lab File: BM021807.D

Acq: 04 Aug 2019 11:44

Tgt Ion:	252	Resp:	147147
Ion	Ratio	Lower	Upper
252	100		
253	23.6	27.0	40.4#
125	9.1	12.2	18.2#





#23

Benzo(a)pyrene

Concen: 1.911 ng/ul

RT: 23.36 min Scan# 6709

Delta R.T. -0.02 min

Lab File: BM021807.D

Acq: 04 Aug 2019 11:44

Instrument :

BNA_M

ClientSampleId :

BENS3

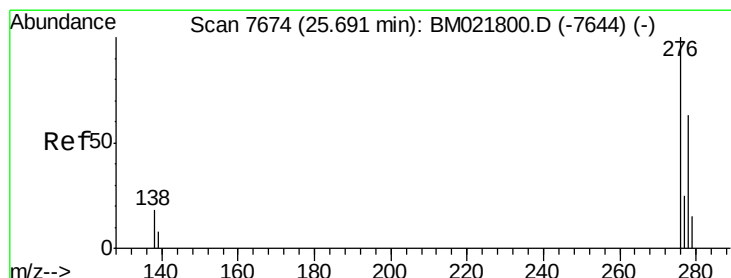
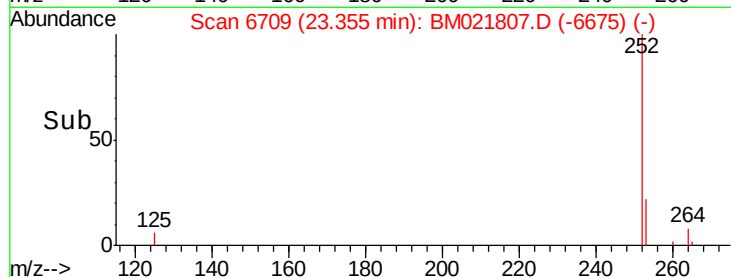
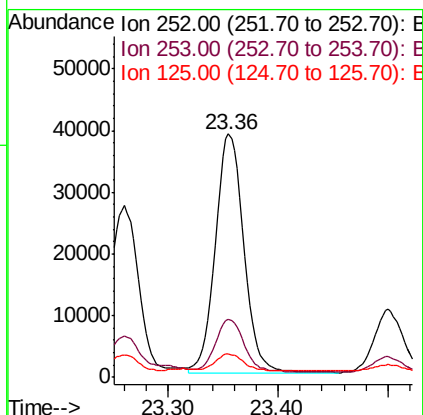
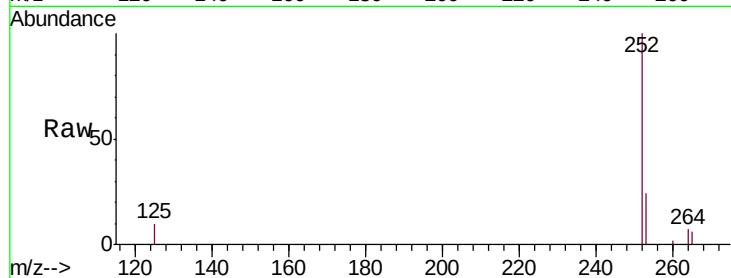
Tgt Ion:252 Resp: 69128

Ion Ratio Lower Upper

252 100

253 23.9 31.7 47.5#

125 9.6 14.6 21.8#



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.229 ng/ul

RT: 25.67 min Scan# 7663

Delta R.T. -0.02 min

Lab File: BM021807.D

Acq: 04 Aug 2019 11:44

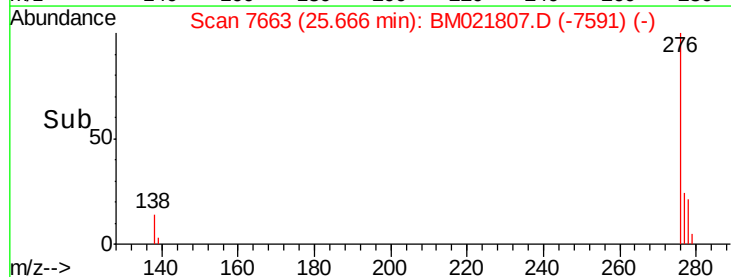
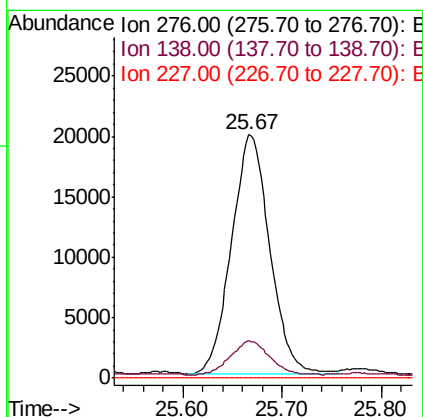
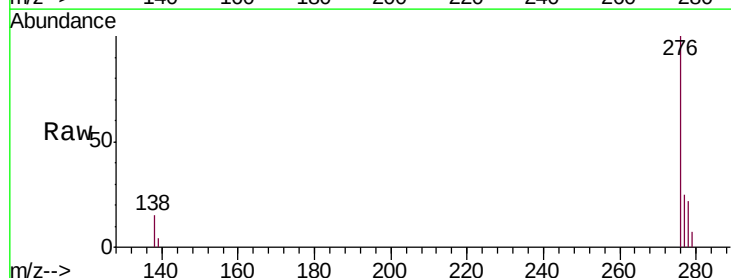
Tgt Ion:276 Resp: 53100

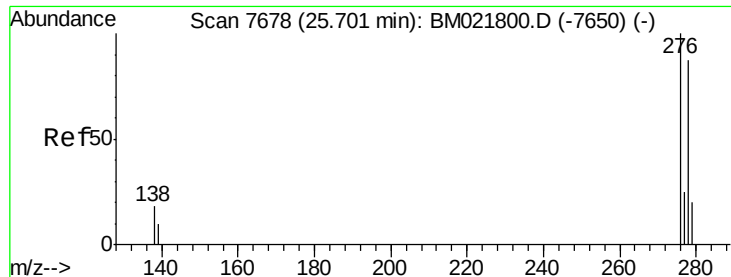
Ion Ratio Lower Upper

276 100

138 14.3 15.1 22.7#

227 0.0 0.0 0.0





#25

Dibenzo(a,h)anthracene

Concen: 0.410 ng/ul

RT: 25.67 min Scan# 7666

Delta R.T. -0.03 min

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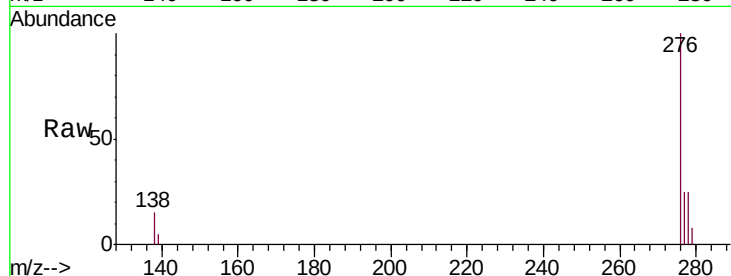
Tgt Ion:278 Resp: 14319

Ion Ratio Lower Upper

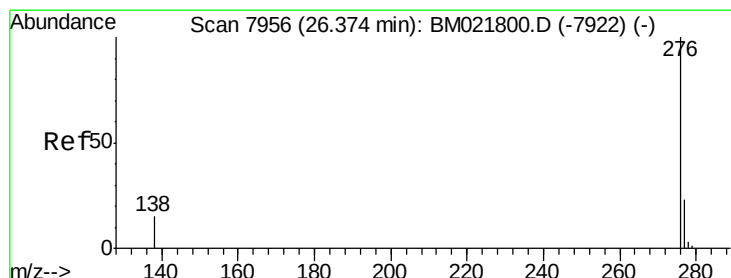
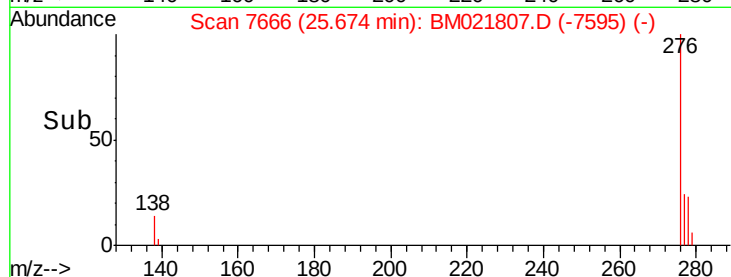
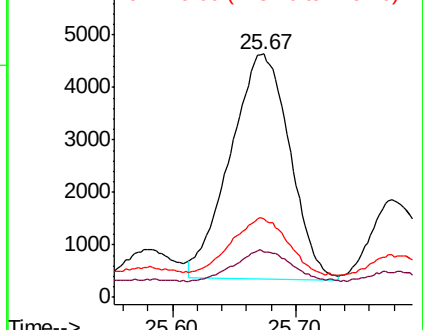
278 100

139 18.7 14.2 21.2

279 32.1 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: 1.285 ng/ul

RT: 26.35 min Scan# 7945

Delta R.T. -0.02 min

Lab File: BM021807.D

Acq: 04 Aug 2019 11:44

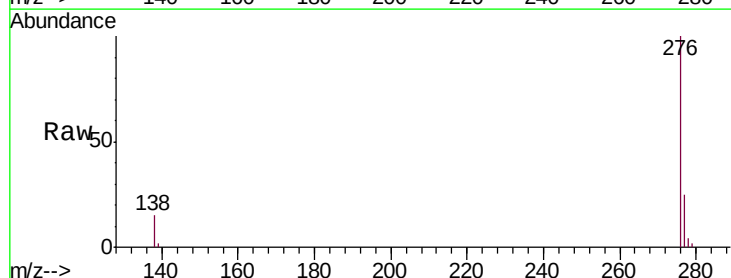
Tgt Ion:276 Resp: 49980

Ion Ratio Lower Upper

276 100

138 15.3 15.5 23.3#

277 24.8 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

