

Data File : BM021788.D
Acq On : 04 Aug 2019 00:11
Operator : HP/JU
Sample : K3850-12
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR9

Quant Time: Aug 04 04:27:12 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 : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	1170	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	4627	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.29	164	2727	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.14	188	303284	0.40	ng/ul	0.07
16) Chrysene-d12	0.00	240	0	0.00	ng/ul	-21.26
20) Perylene-d12	23.46	264	13931	0.40	ng/ul	-0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1361	0.18	ng/ul	-0.03
14) Fluoranthene-d10	19.17	212	103	0.00	ng/ul	0.08

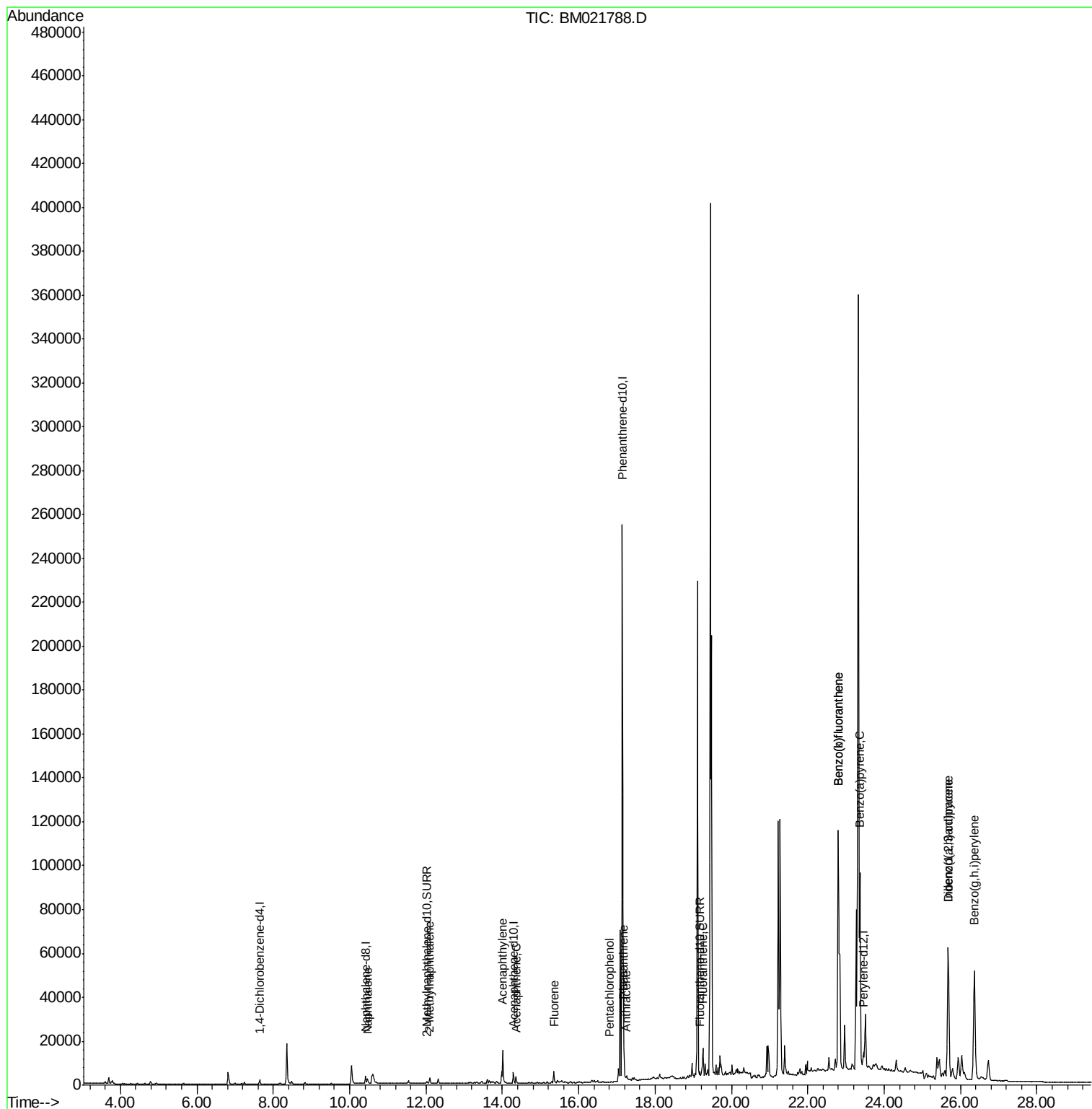
Target Compounds				Qvalue		
3) Naphthalene	10.47	128	3082	0.236	ng/ul	99
5) 2-Methylnaphthalene	12.09	142	2120	0.243	ng/ul	96
7) Acenaphthylene	14.01	152	10657	0.838	ng/ul	96
8) Acenaphthene	14.35	153	1853	0.178	ng/ul	96
9) Fluorene	15.35	166	3551	0.307	ng/ul	98
11) Pentachlorophenol	16.82	266	5	0.000	ng/ul#	64
12) Phenanthrene	17.18	178	14421	0.016	ng/ul	99
13) Anthracene	17.25	178	768	0.001	ng/ul#	1
15) Fluoranthene	19.26	202	4809	0.004	ng/ul	97
21) Benzo(b)fluoranthene	22.79	252	251013	5.343	ng/ul	83
22) Benzo(k)fluoranthene	22.79	252	251021	4.722	ng/ul#	83
23) Benzo(a)pyrene	23.36	252	121542	2.544	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.68	276	101291	1.776	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.68	278	23659	0.513	ng/ul	95
26) Benzo(g,h,i)perylene	26.36	276	108877	2.120	ng/ul#	93

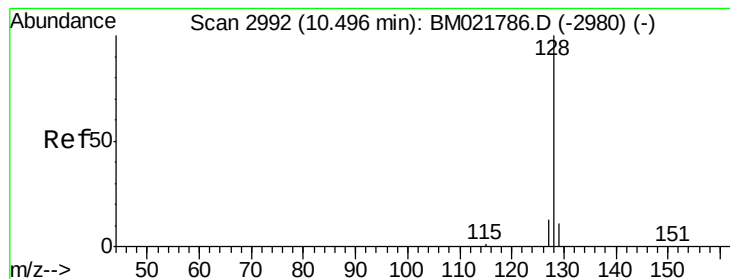
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.236 ng/ul

RT: 10.47 min Scan# 2985

Delta R.T. -0.03 min

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Instrument :

BNA_M

ClientSampleId :

BENR9

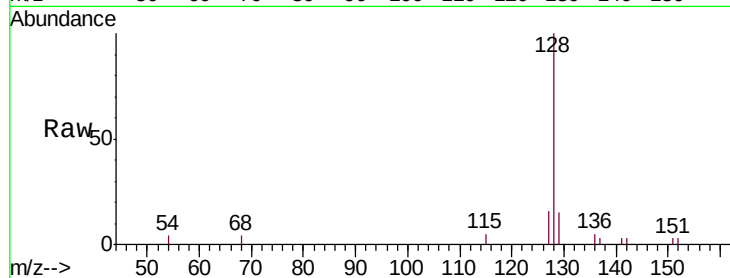
Tgt Ion:128 Resp: 3082

Ion Ratio Lower Upper

128 100

129 14.8 12.3 18.5

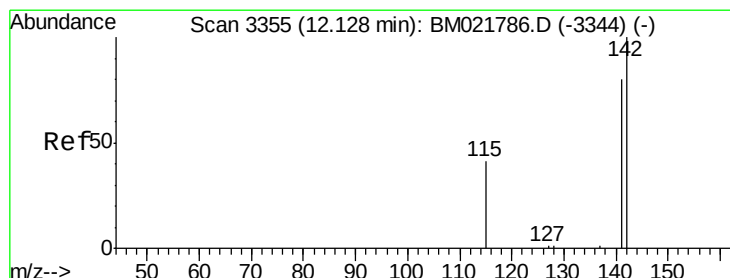
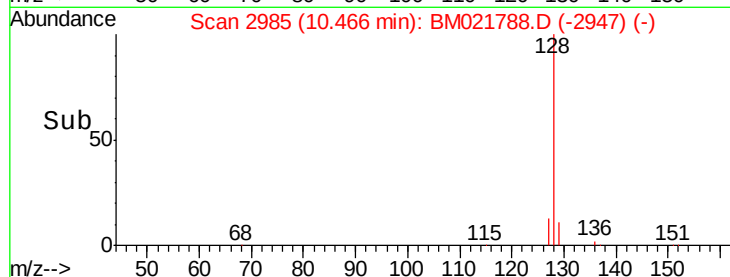
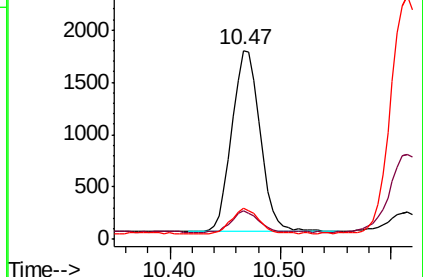
127 16.1 13.0 19.6



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: 0.243 ng/ul

RT: 12.09 min Scan# 3347

Delta R.T. -0.03 min

Lab File: BM021788.D

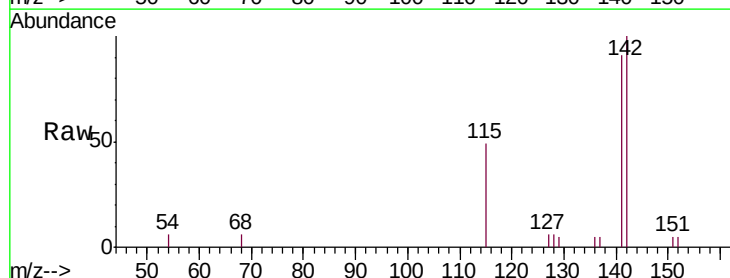
Acq: 04 Aug 2019 00:11

Tgt Ion:142 Resp: 2120

Ion Ratio Lower Upper

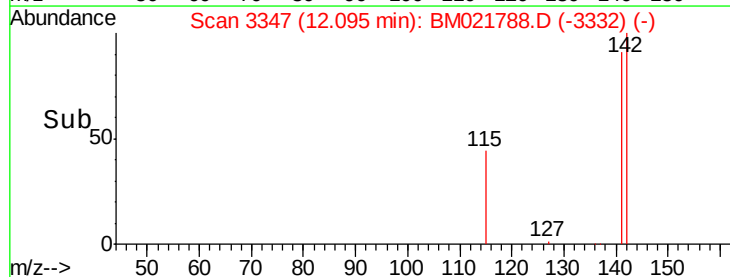
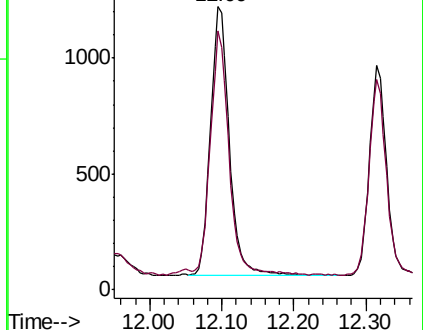
142 100

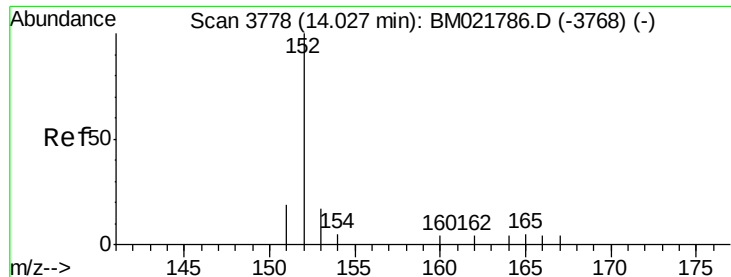
141 89.1 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.838 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.02 min

Lab File: BM021788.D

Acq: 04 Aug 2019 00:11

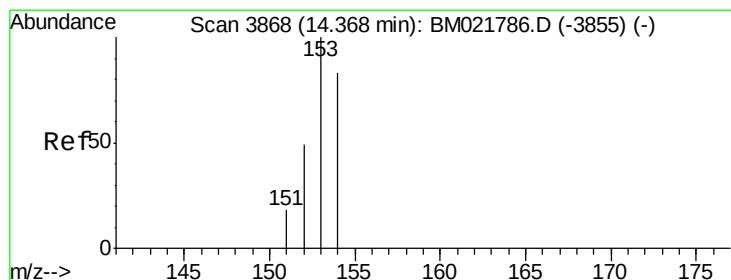
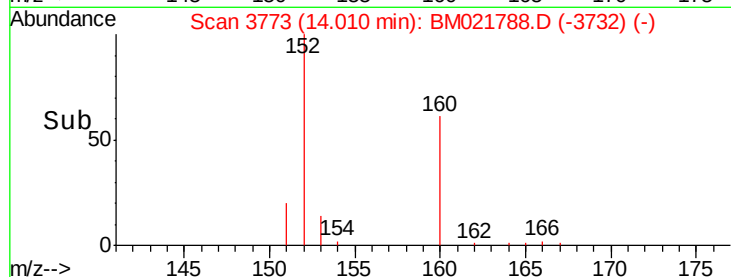
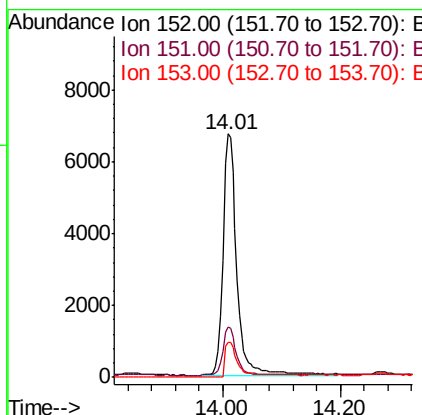
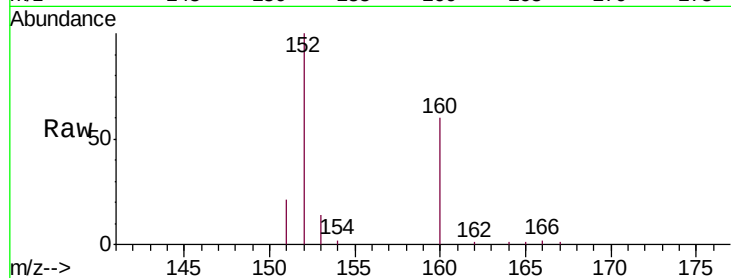
Instrument :

BNA_M

ClientSampleId :

BENR9

Tgt Ion:	152	Resp:	10657
Ion	Ratio	Lower	Upper
152	100		
151	20.9	18.3	27.5
153	14.2	12.8	19.2



#8

Acenaphthene

Concen: 0.178 ng/ul

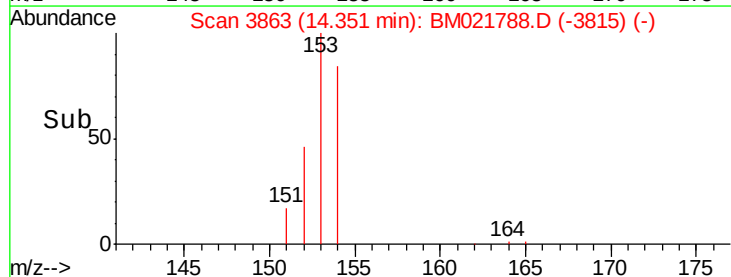
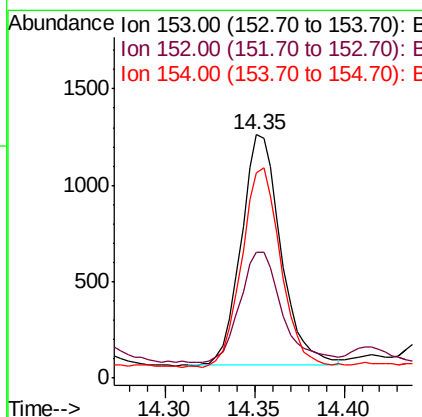
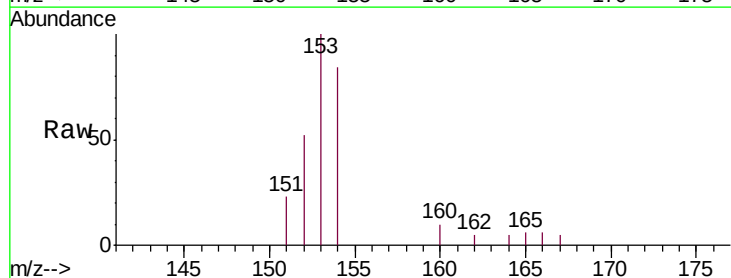
RT: 14.35 min Scan# 3863

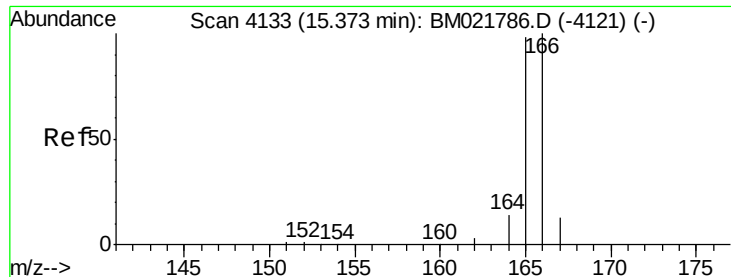
Delta R.T. -0.02 min

Lab File: BM021788.D

Acq: 04 Aug 2019 00:11

Tgt Ion:	153	Resp:	1853
Ion	Ratio	Lower	Upper
153	100		
152	51.7	41.3	61.9
154	84.1	72.3	108.5





#9

Fluorene

Concen: 0.307 ng/ul

RT: 15.35 min Scan# 4126

Delta R.T. -0.02 min

Lab File: BM021788.D

Acq: 04 Aug 2019 00:11

Instrument :

BNA_M

ClientSampleId :

BENR9

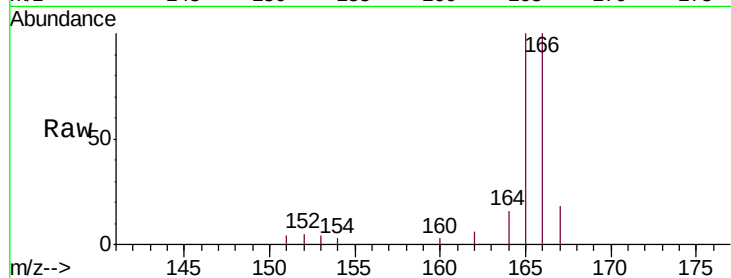
Tgt Ion:166 Resp: 3551

Ion Ratio Lower Upper

166 100

165 99.7 81.4 122.0

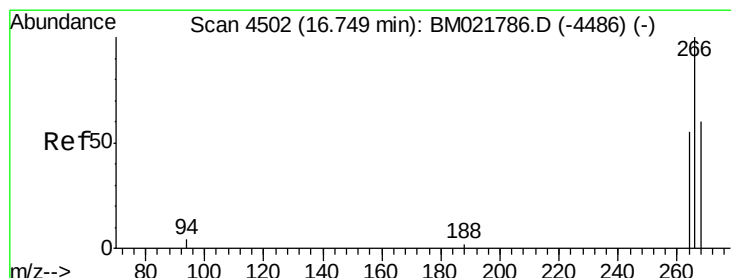
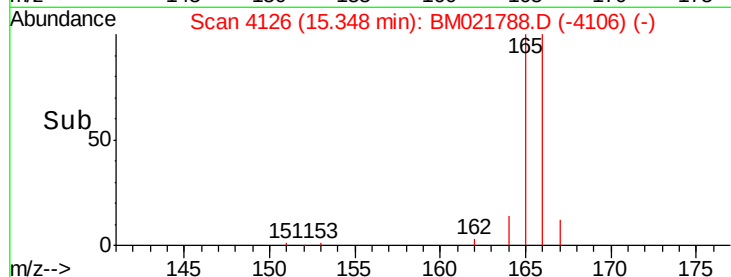
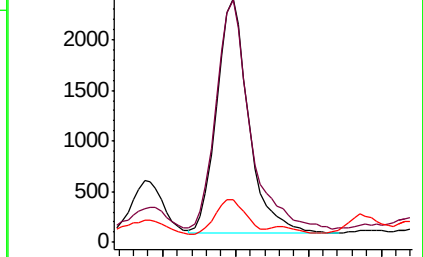
167 17.7 13.7 20.5



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



#11

Pentachlorophenol

Concen: 0.000 ng/ul

RT: 16.82 min Scan# 4521

Delta R.T. 0.07 min

Lab File: BM021788.D

Acq: 04 Aug 2019 00:11

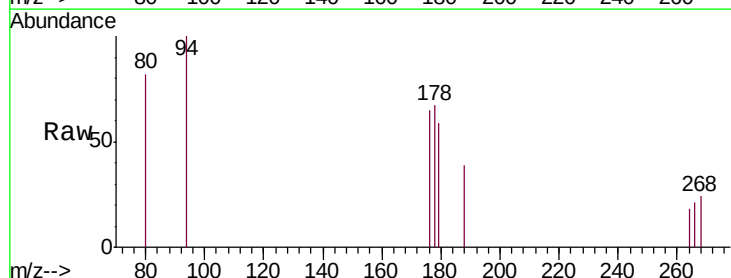
Tgt Ion:266 Resp: 5

Ion Ratio Lower Upper

266 100

264 40.0 54.2 81.2#

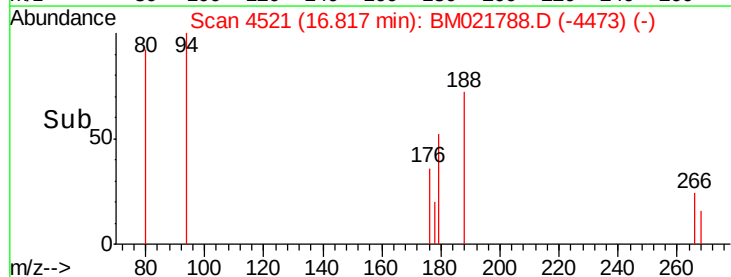
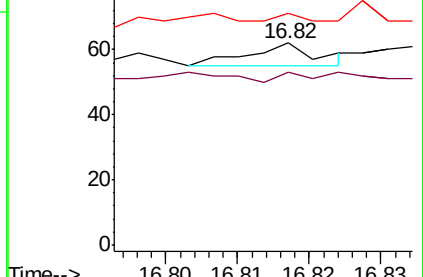
268 40.0 57.6 86.4#

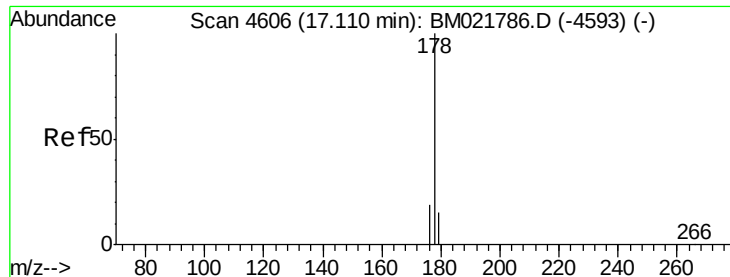


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.016 ng/ul

RT: 17.18 min Scan# 4625

Delta R.T. 0.07 min

Lab File: BM021788.D

Acq: 04 Aug 2019 00:11

Instrument :

BNA_M

ClientSampleId :

BENR9

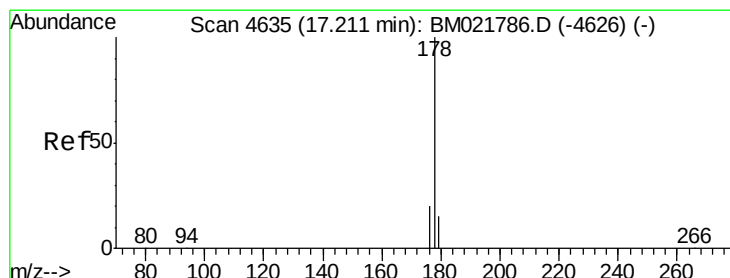
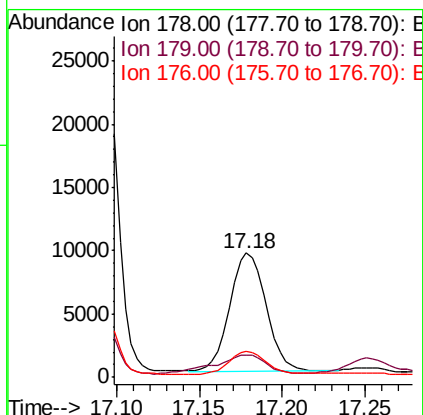
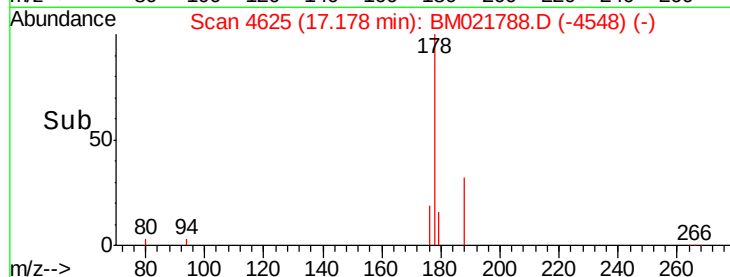
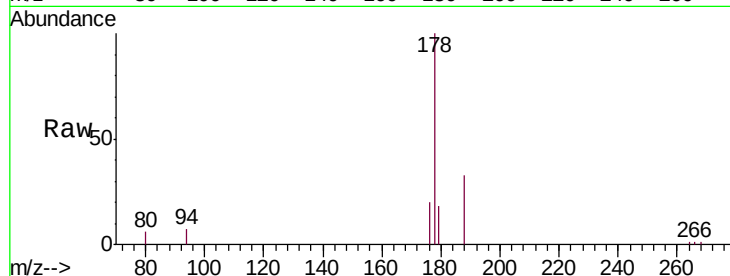
Tgt Ion:178 Resp: 14421

Ion Ratio Lower Upper

178 100

179 18.0 14.2 21.2

176 20.5 16.8 25.2



#13

Anthracene

Concen: 0.001 ng/ul

RT: 17.25 min Scan# 4646

Delta R.T. 0.04 min

Lab File: BM021788.D

Acq: 04 Aug 2019 00:11

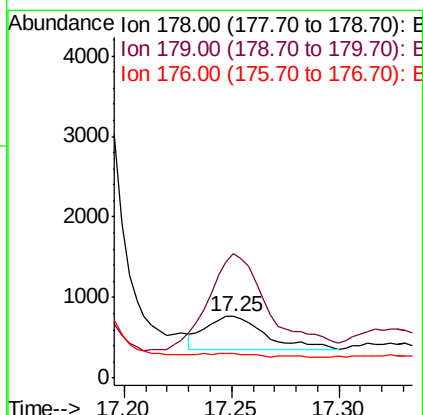
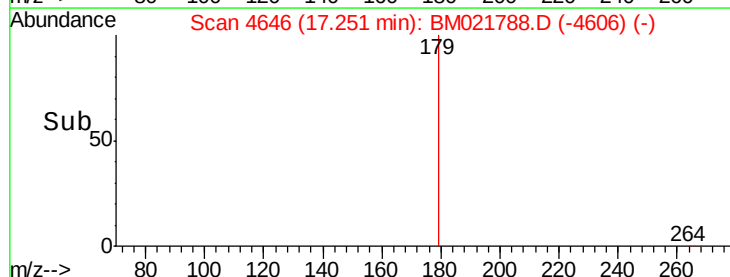
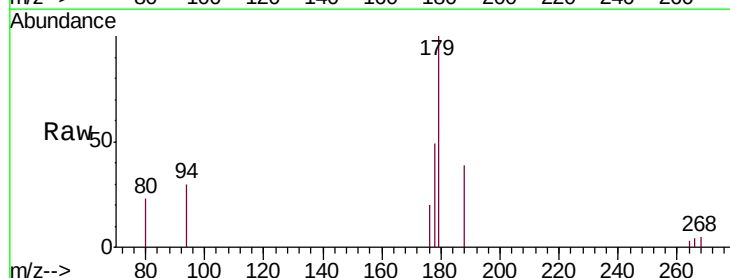
Tgt Ion:178 Resp: 768

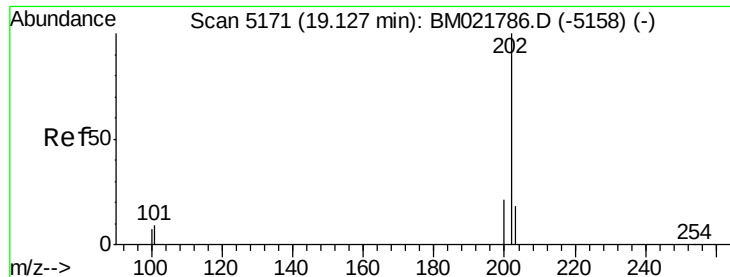
Ion Ratio Lower Upper

178 100

179 202.1 15.5 23.3#

176 40.2 16.6 25.0#

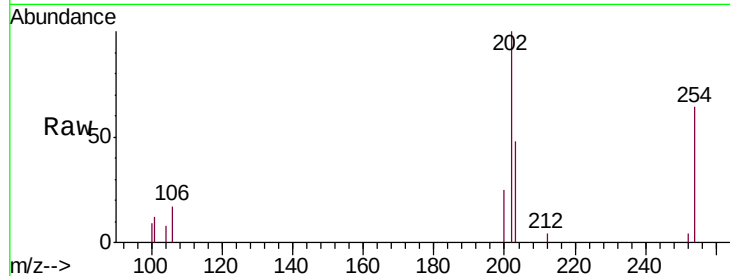




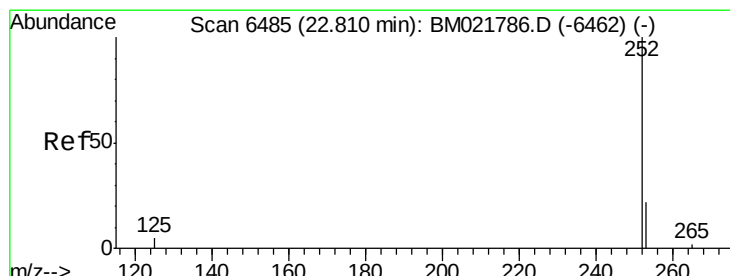
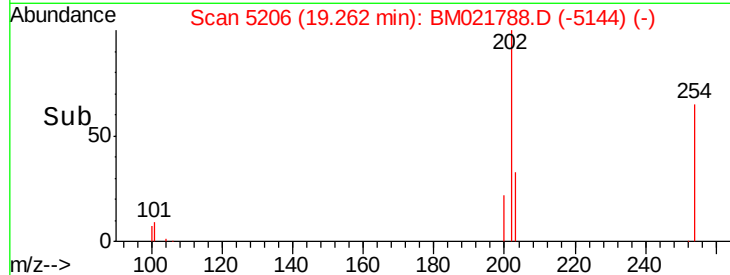
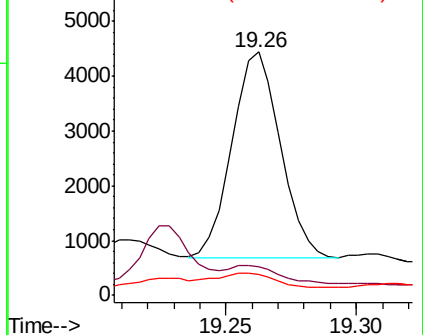
#15
 Fluoranthene
 Concen: 0.004 ng/ul
 RT: 19.26 min Scan# 5206
 Delta R.T. 0.14 min
 Lab File: BM021788.D
 Acq: 04 Aug 2019 00:11

Instrument :
 BNA_M
 ClientSampleId :
 BENR9

Tgt Ion: 202 Resp: 4809
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 30.2
 100 8.7 0.0 28.1

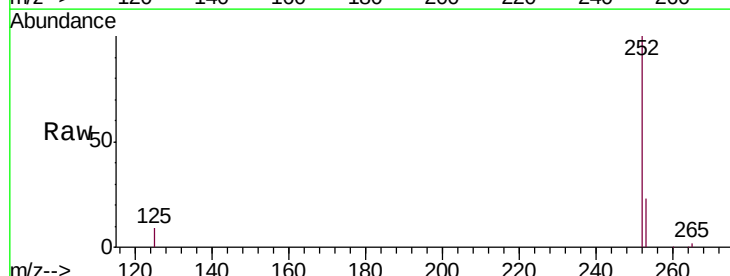


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

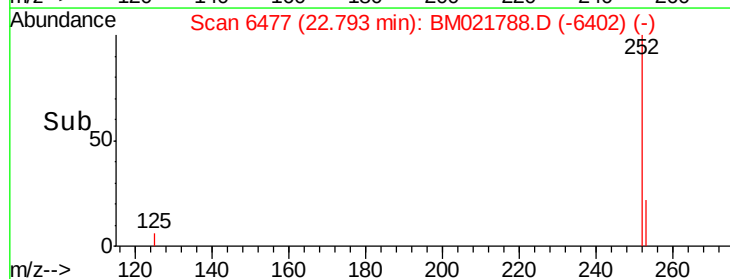
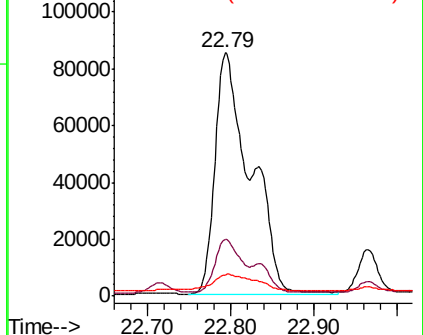


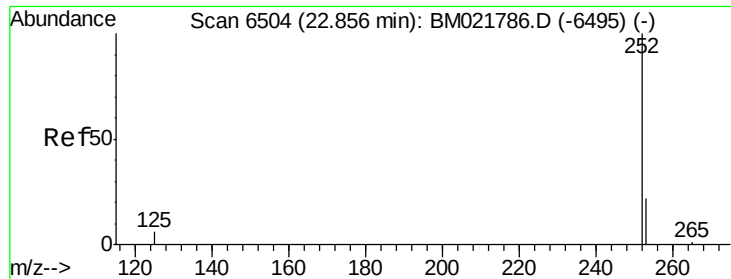
#21
 Benzo(b)fluoranthene
 Concen: 5.343 ng/ul
 RT: 22.79 min Scan# 6477
 Delta R.T. -0.02 min
 Lab File: BM021788.D
 Acq: 04 Aug 2019 00:11

Tgt Ion: 252 Resp: 251013
 Ion Ratio Lower Upper
 252 100
 253 23.4 0.0 67.4
 125 8.8 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: 4.722 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.06 min

Lab File: BM021788.D

Acq: 04 Aug 2019 00:11

Instrument :

BNA_M

ClientSampleId :

BENR9

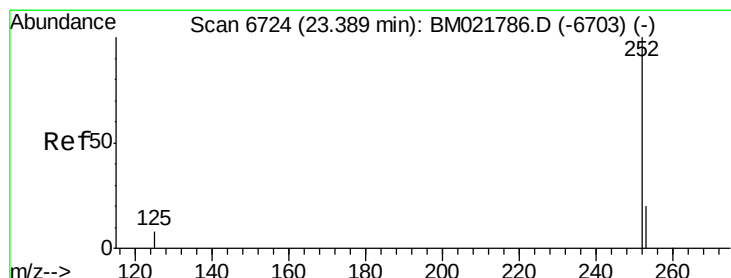
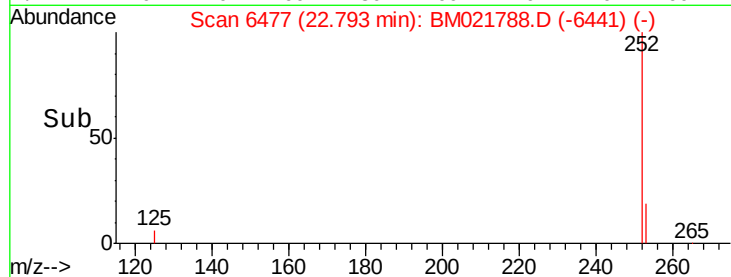
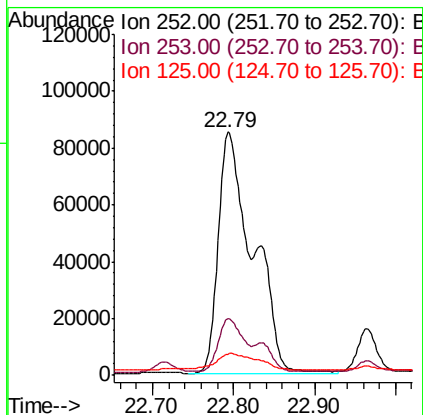
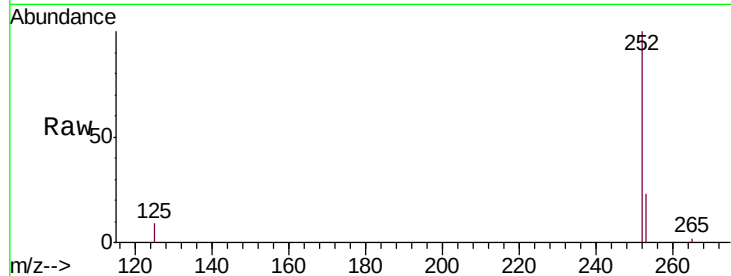
Tgt Ion:252 Resp: 251021

Ion Ratio Lower Upper

252 100

253 23.4 27.0 40.4#

125 8.8 12.2 18.2#



#23

Benzo(a)pyrene

Concen: 2.544 ng/ul

RT: 23.36 min Scan# 6711

Delta R.T. -0.03 min

Lab File: BM021788.D

Acq: 04 Aug 2019 00:11

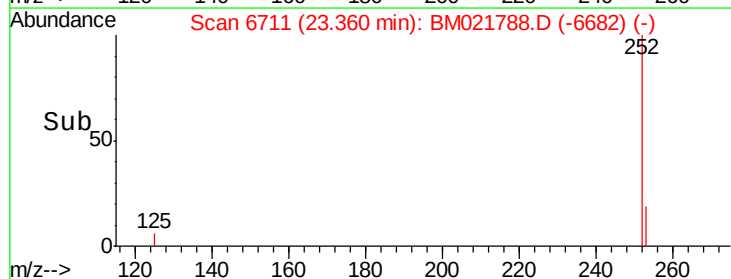
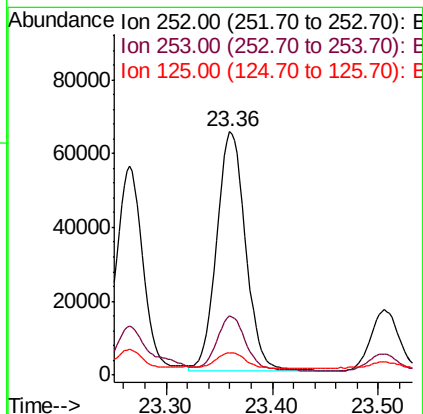
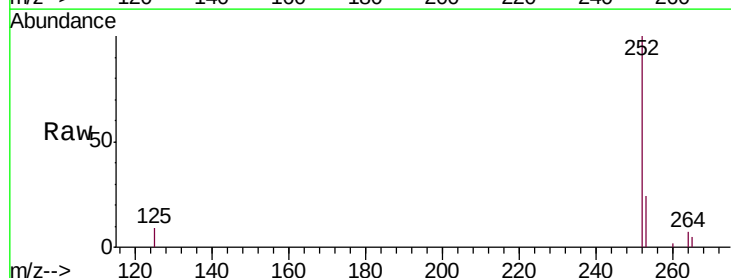
Tgt Ion:252 Resp: 121542

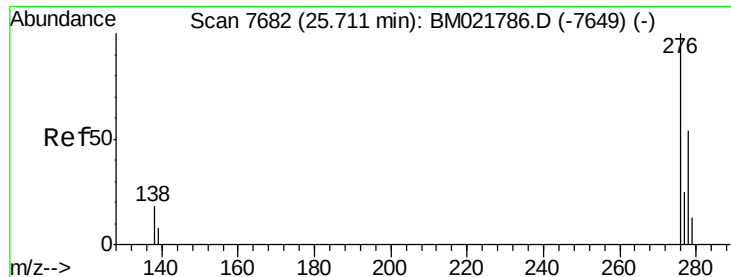
Ion Ratio Lower Upper

252 100

253 24.3 31.7 47.5#

125 9.3 14.6 21.8#



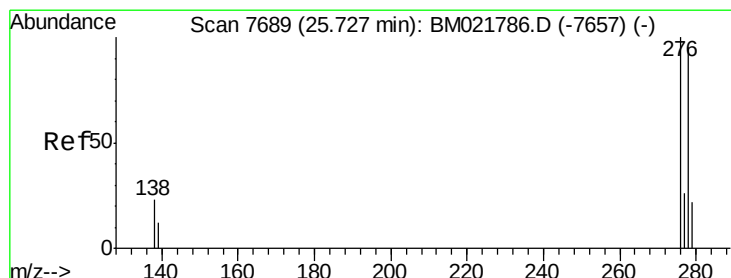
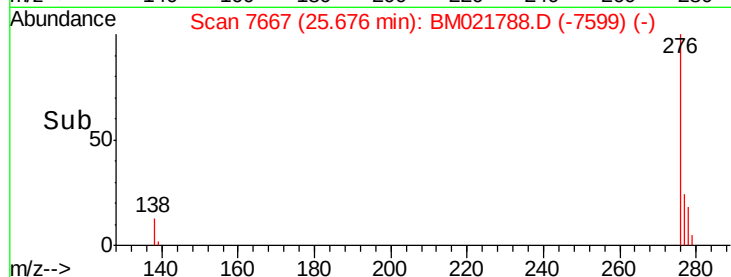
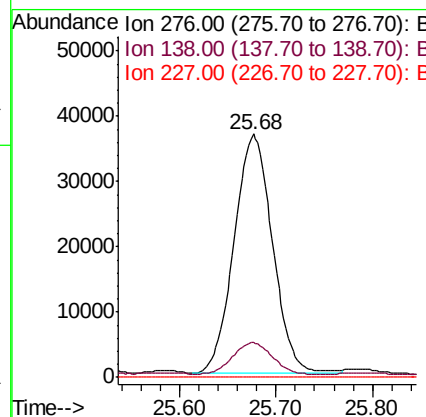
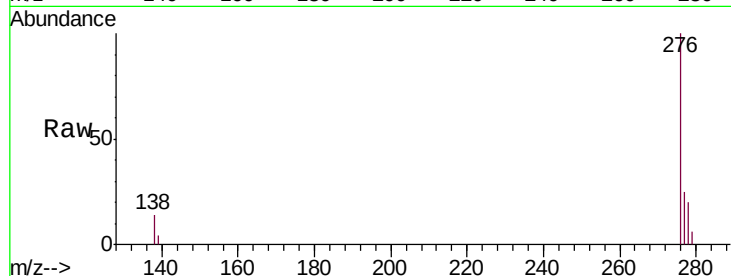


#24

Indeno(1,2,3-cd)pyrene
Concen: 1.776 ng/ul
RT: 25.68 min Scan# 7667
Delta R.T. -0.03 min
Lab File: BM021788.D
Acq: 04 Aug 2019 00:11

Instrument :
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BENR9

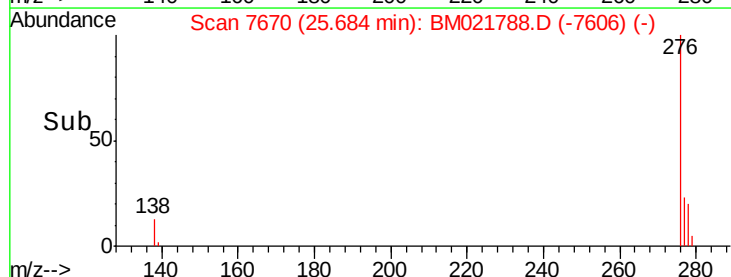
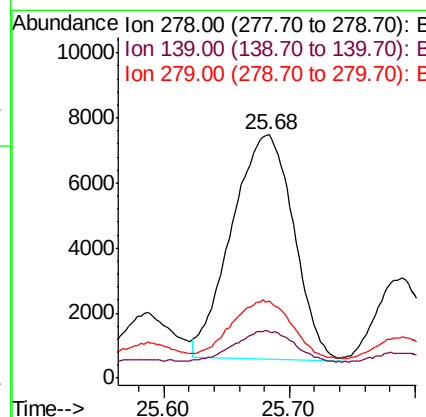
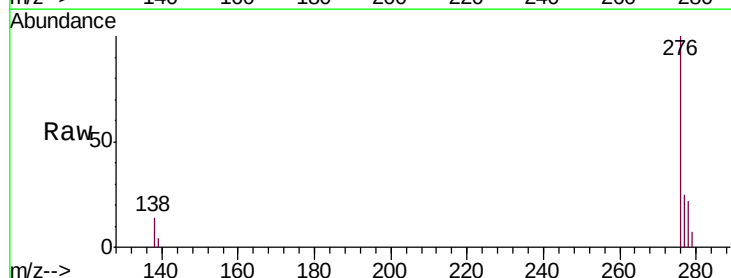
Tgt Ion: 276 Resp: 101291
Ion Ratio Lower Upper
276 100
138 13.6 15.1 22.7#
227 0.0 0.0 0.0

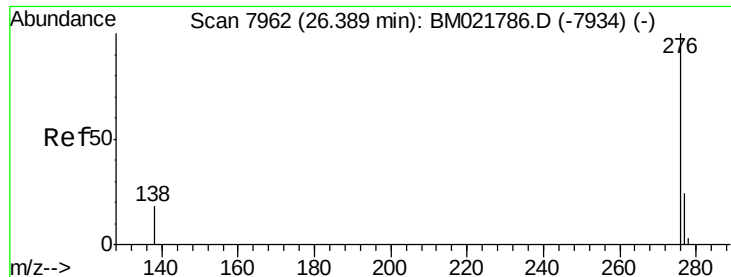


#25

Dibenzo(a,h)anthracene
Concen: 0.513 ng/ul
RT: 25.68 min Scan# 7670
Delta R.T. -0.04 min
Lab File: BM021788.D
Acq: 04 Aug 2019 00:11

Tgt Ion: 278 Resp: 23659
Ion Ratio Lower Upper
278 100
139 19.0 14.2 21.2
279 31.7 28.3 42.5





#26

Benzo(g,h,i)perylene

Concen: 2.120 ng/ul

RT: 26.36 min Scan# 7949

Delta R.T. -0.03 min

Lab File: BM021788.D

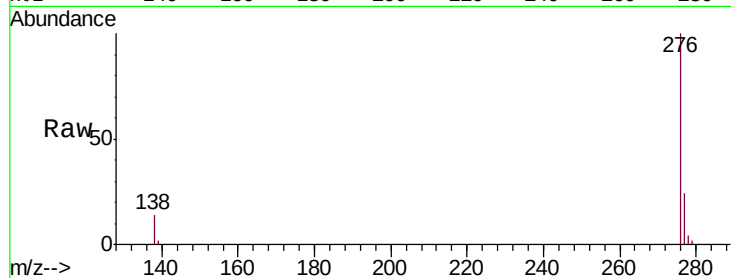
Acq: 04 Aug 2019 00:11

Instrument :

BNA_M

ClientSampleId :

BENR9



Tgt Ion:	276	Resp:	108877
Ion	Ratio	Lower	Upper
276	100		
138	14.5	15.5	23.3#
277	24.3	21.4	32.2

