

Data File : BM021909.D
Acq On : 07 Aug 2019 23:08
Operator : HP/JU
Sample : K3893-05DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP11DL

Quant Time: Aug 08 04:43:16 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 : Thu Aug 08 04:39:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	867	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	3788	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	2212	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	5087	0.40	ng/ul	-0.01
16) Chrysene-d12	21.23	240	5091	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	7231	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	342	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	967	0.06	ng/ul	-0.02

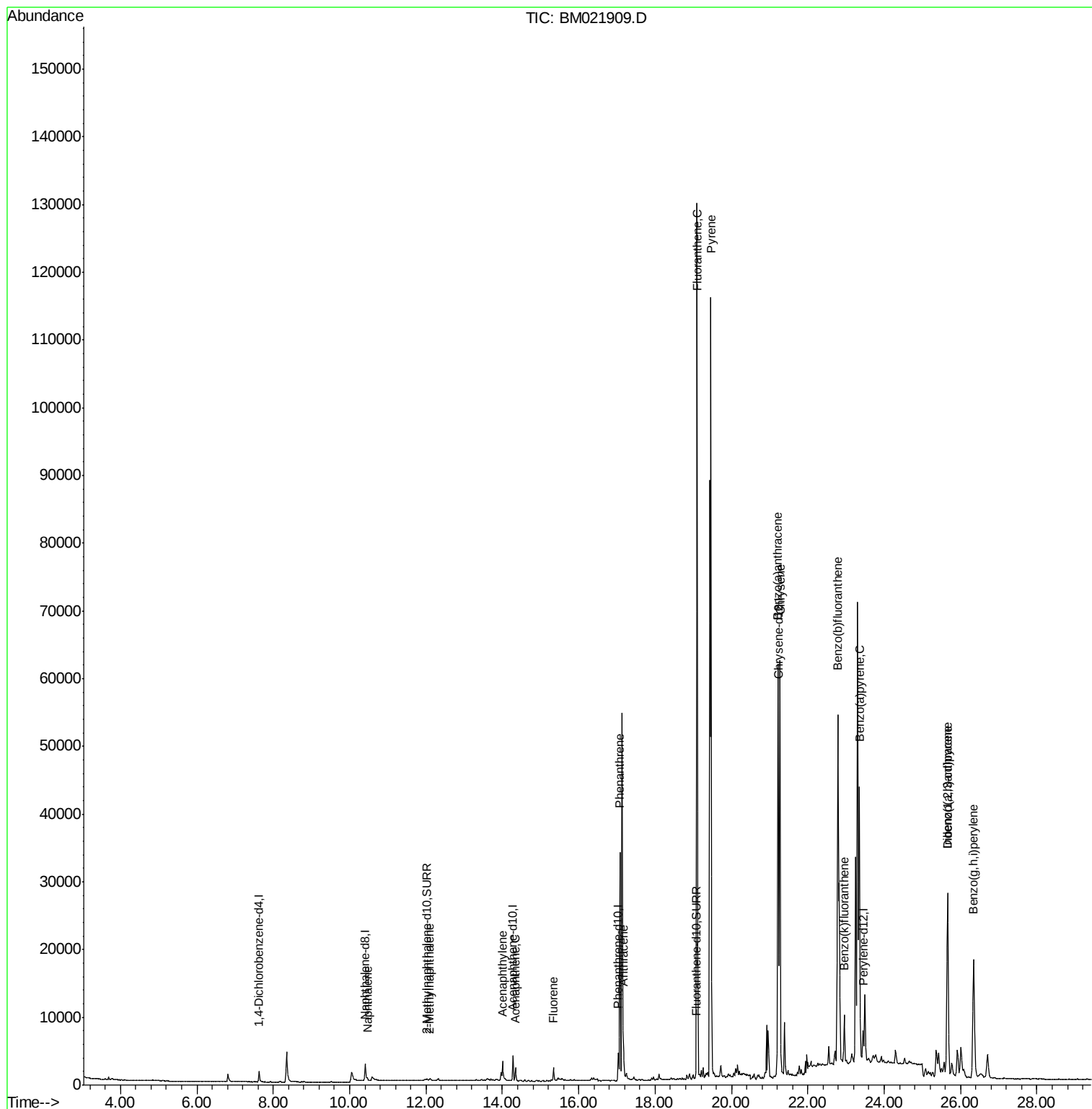
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	493	0.046	ng/ul#	74
5) 2-Methylnaphthalene	12.10	142	259	0.036	ng/ul	95
7) Acenaphthylene	14.00	152	2075	0.201	ng/ul#	84
8) Acenaphthene	14.34	153	1211	0.143	ng/ul	97
9) Fluorene	15.34	166	1437	0.153	ng/ul	99
12) Phenanthrene	17.08	178	35632	2.407	ng/ul	96
13) Anthracene	17.17	178	6253	0.495	ng/ul	97
15) Fluoranthene	19.10	202	112518	5.675	ng/ul	96
17) Pyrene	19.46	202	99794	4.770	ng/ul	99
18) Benzo(a)anthracene	21.22	228	49107	2.697	ng/ul	99
19) Chrysene	21.27	228	61579	2.629	ng/ul	100
21) Benzo(b)fluoranthene	22.78	252	116038	4.759	ng/ul	83
22) Benzo(k)fluoranthene	22.95	252	7595	0.275	ng/ul	98
23) Benzo(a)pyrene	23.35	252	53633	2.163	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.66	276	42215	1.426	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.66	278	9797	0.409	ng/ul	97
26) Benzo(g,h,i)perylene	26.34	276	37580	1.410	ng/ul	96

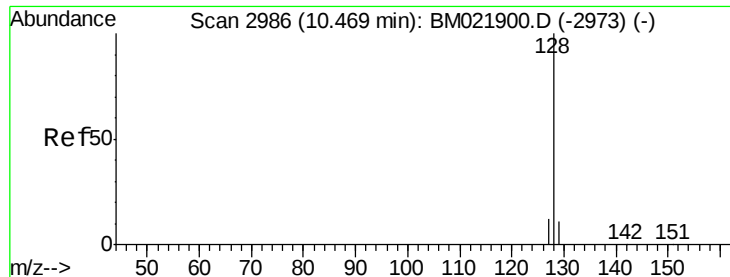
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.046 ng/ul

RT: 10.46 min Scan# 2984

Delta R.T. -0.01 min

Lab File: BM021909.D

Acq: 07 Aug 2019 23:08

Instrument :

BNA_M

ClientSampleId :

BEP11DL

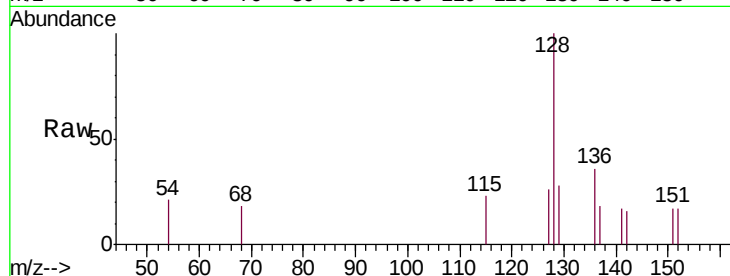
Tgt Ion:128 Resp: 493

Ion Ratio Lower Upper

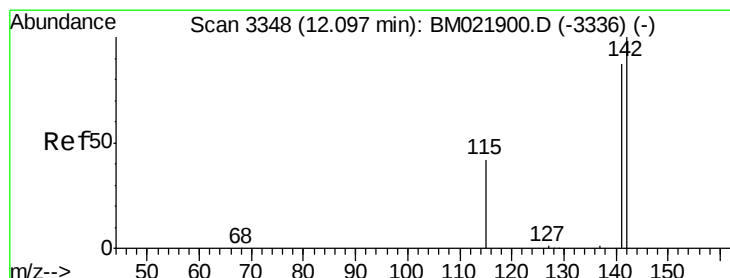
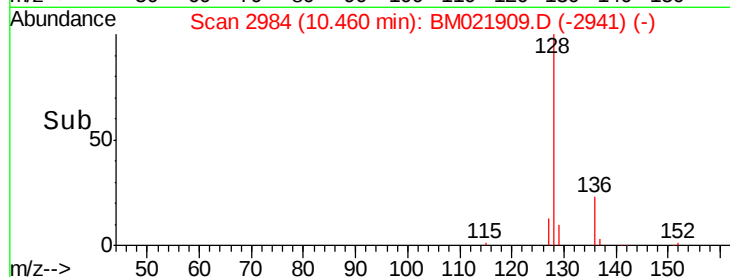
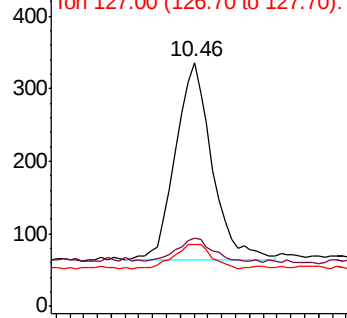
128 100

129 28.0 12.3 18.5#

127 25.6 13.0 19.6#



Abundance Ion 128.00 (127.70 to 128.70): E



#5

2-Methylnaphthalene

Concen: 0.036 ng/ul

RT: 12.10 min Scan# 3348

Delta R.T. 0.00 min

Lab File: BM021909.D

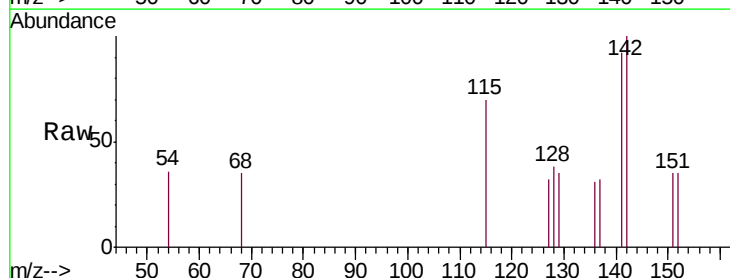
Acq: 07 Aug 2019 23:08

Tgt Ion:142 Resp: 259

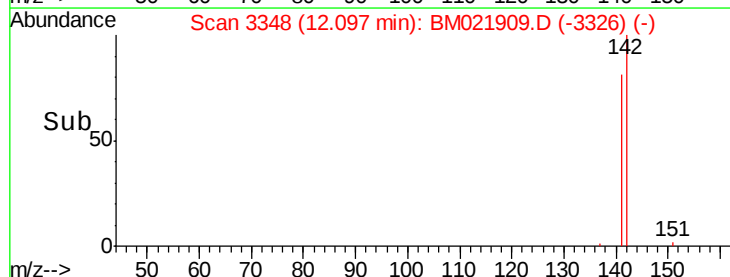
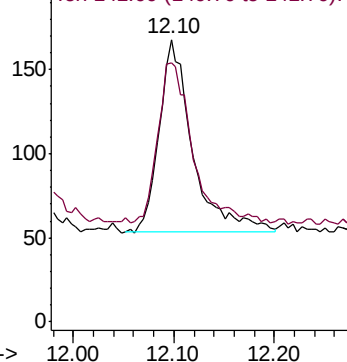
Ion Ratio Lower Upper

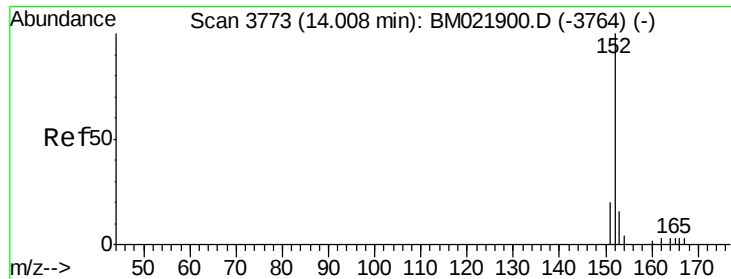
142 100

141 88.0 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E





#7

Acenaphthylene

Concen: 0.201 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.01 min

Lab File: BM021909.D

Acq: 07 Aug 2019 23:08

Instrument :

BNA_M

ClientSampleId :

BEP11DL

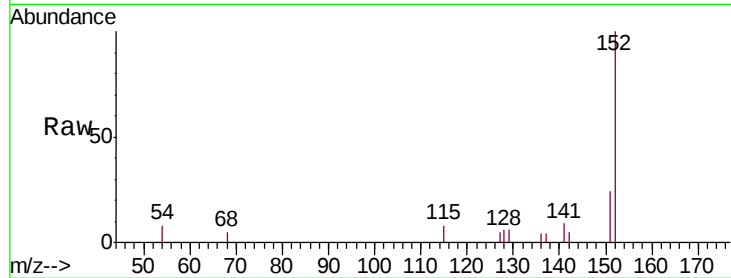
Tgt Ion:152 Resp: 2075

Ion Ratio Lower Upper

152 100

151 23.5 18.3 27.5

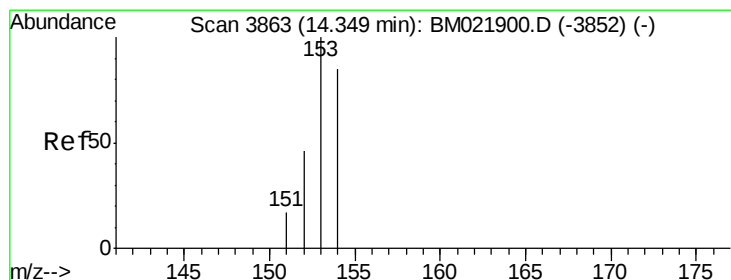
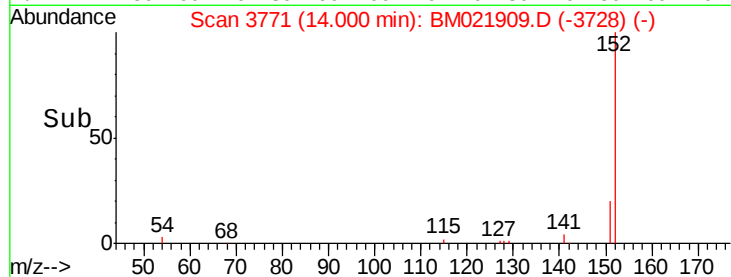
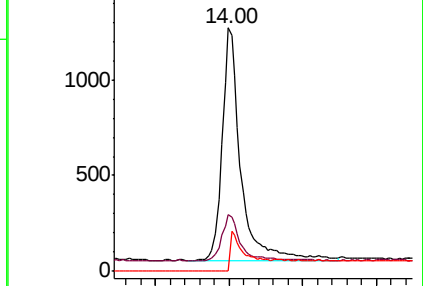
153 0.0 12.8 19.2#



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



#8

Acenaphthene

Concen: 0.143 ng/ul

RT: 14.34 min Scan# 3861

Delta R.T. -0.01 min

Lab File: BM021909.D

Acq: 07 Aug 2019 23:08

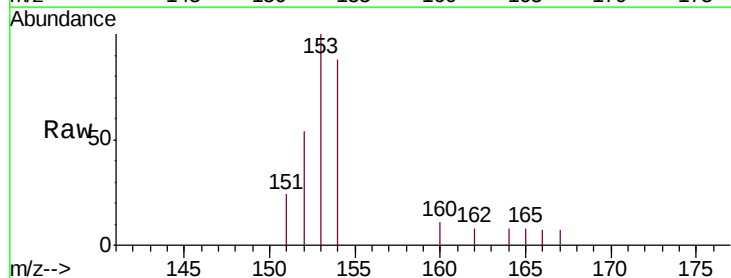
Tgt Ion:153 Resp: 1211

Ion Ratio Lower Upper

153 100

152 53.6 41.3 61.9

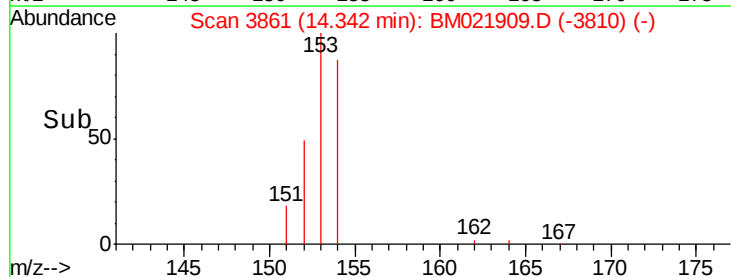
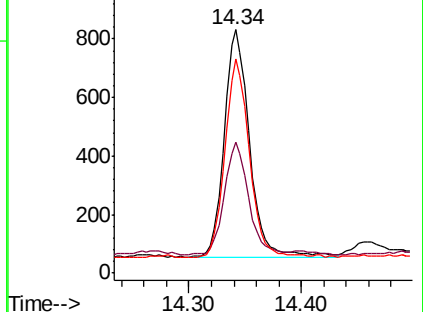
154 87.7 72.3 108.5

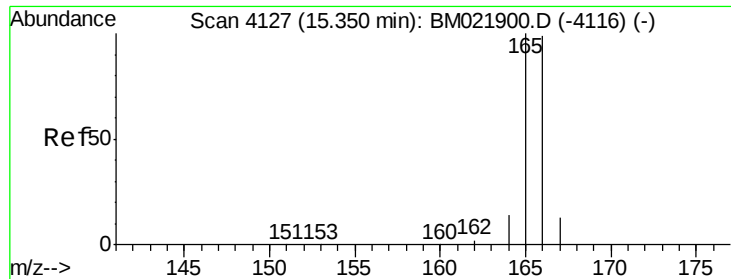


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.153 ng/ul

RT: 15.34 min Scan# 4124

Delta R.T. -0.01 min

Lab File: BM021909.D

Acq: 07 Aug 2019 23:08

Instrument :

BNA_M

ClientSampleId :

BEP11DL

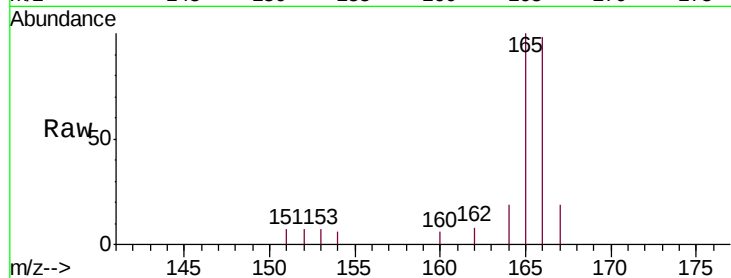
Tgt Ion:166 Resp: 1437

Ion Ratio Lower Upper

166 100

165 101.9 81.4 122.0

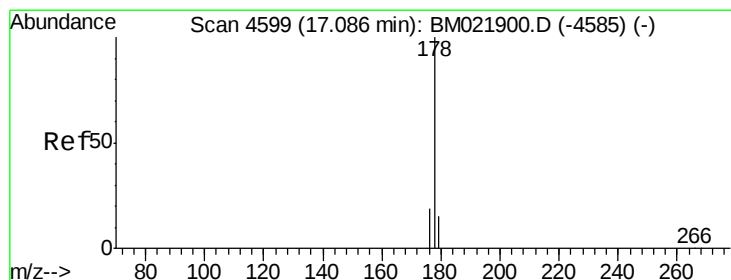
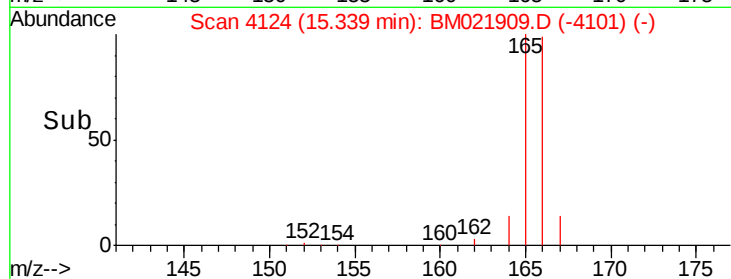
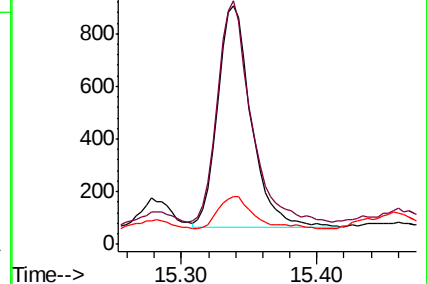
167 19.8 13.7 20.5



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: 2.407 ng/ul

RT: 17.08 min Scan# 4596

Delta R.T. -0.01 min

Lab File: BM021909.D

Acq: 07 Aug 2019 23:08

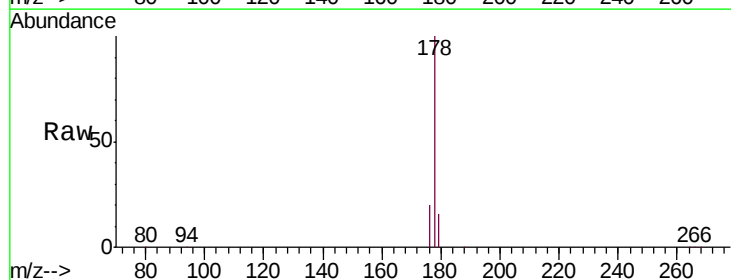
Tgt Ion:178 Resp: 35632

Ion Ratio Lower Upper

178 100

179 15.7 14.2 21.2

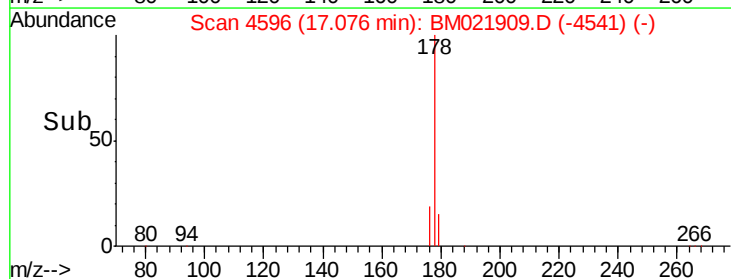
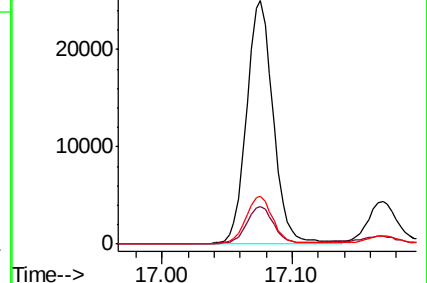
176 19.6 16.8 25.2

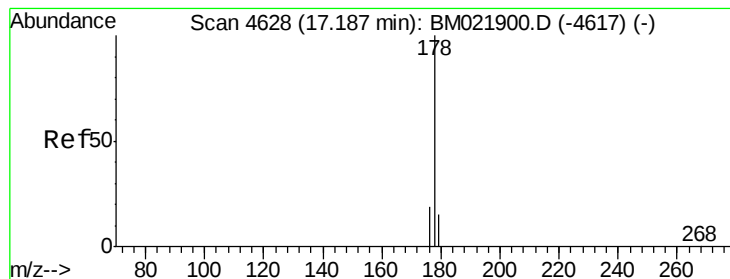


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.495 ng/ul

RT: 17.17 min Scan# 4623

Delta R.T. -0.02 min

Lab File: BM021909.D

Acq: 07 Aug 2019 23:08

Instrument :

BNA_M

ClientSampleId :

BEP11DL

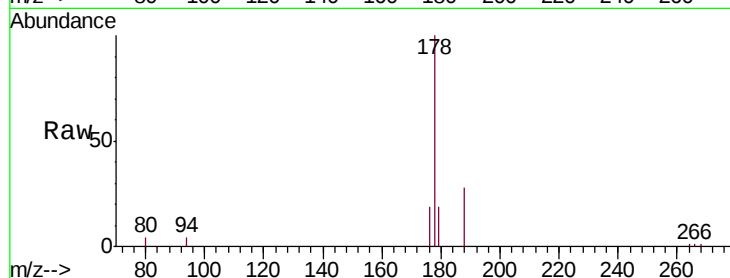
Tgt Ion:178 Resp: 6253

Ion Ratio Lower Upper

178 100

179 18.5 15.5 23.3

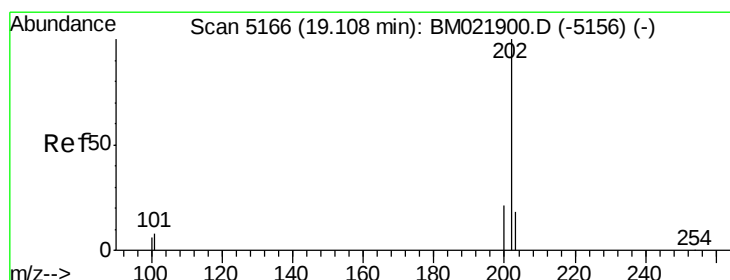
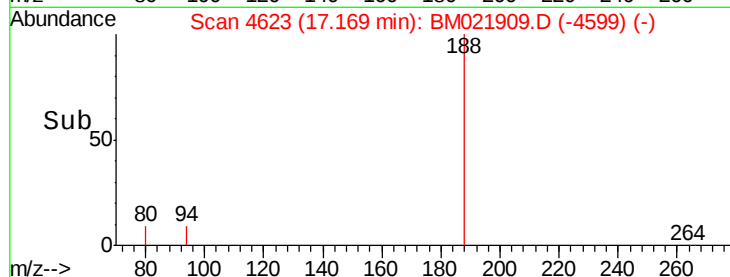
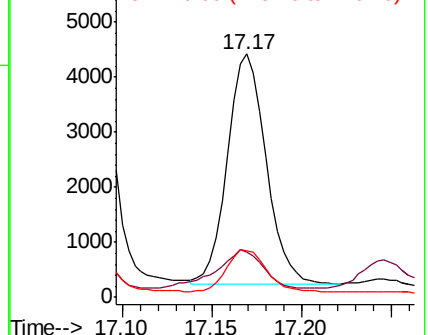
176 19.3 16.6 25.0



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: 5.675 ng/ul

RT: 19.10 min Scan# 5164

Delta R.T. -0.01 min

Lab File: BM021909.D

Acq: 07 Aug 2019 23:08

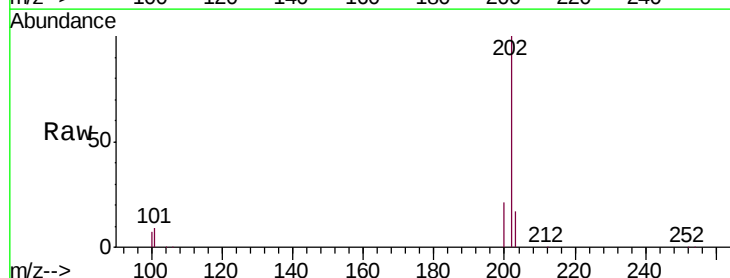
Tgt Ion:202 Resp: 112518

Ion Ratio Lower Upper

202 100

101 8.7 0.0 30.2

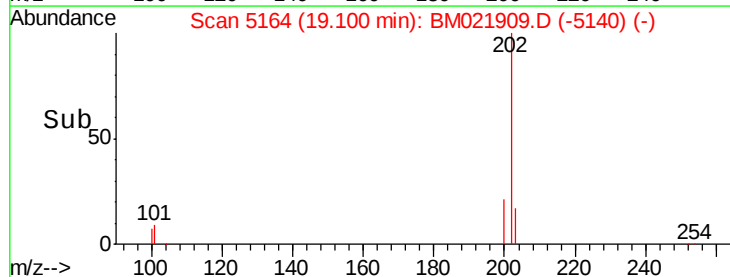
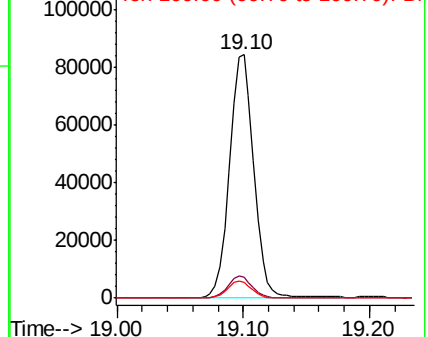
100 6.6 0.0 28.1

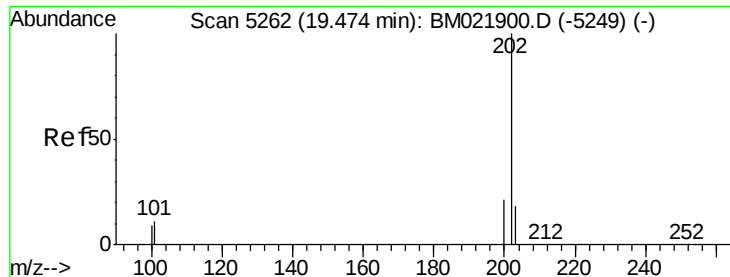


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

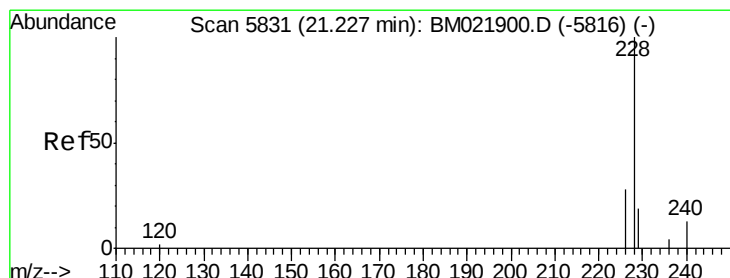
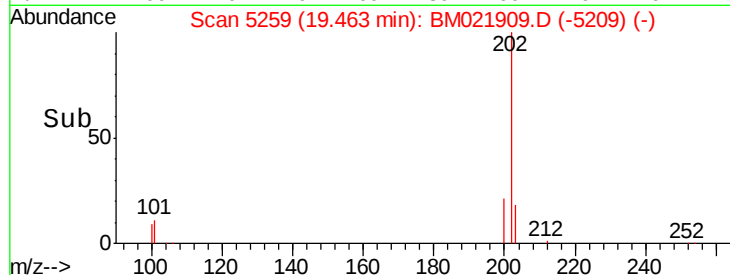
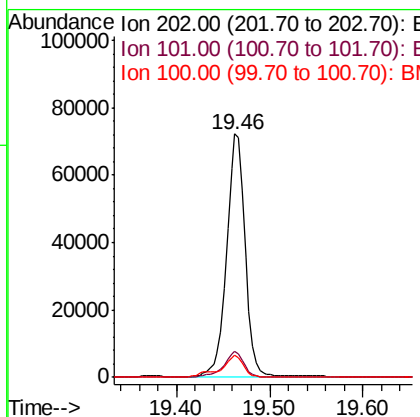
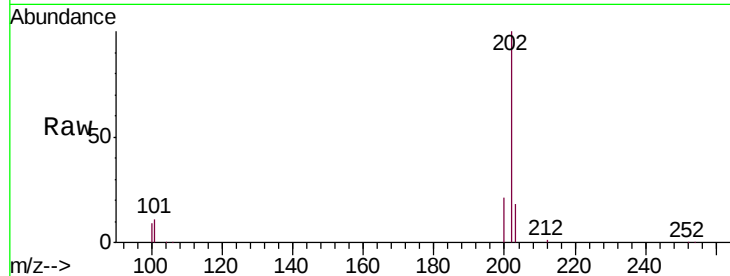




#17
 Pyrene
 Concen: 4.770 ng/ul
 RT: 19.46 min Scan# 5259
 Delta R.T. -0.01 min
 Lab File: BM021909.D
 Acq: 07 Aug 2019 23:08

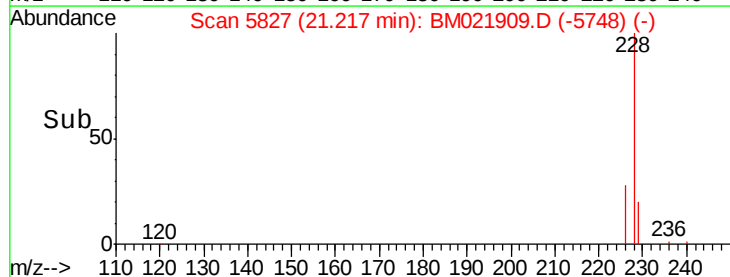
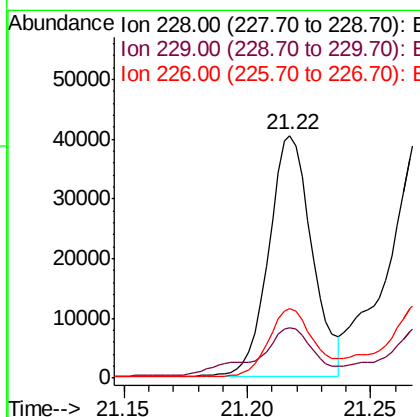
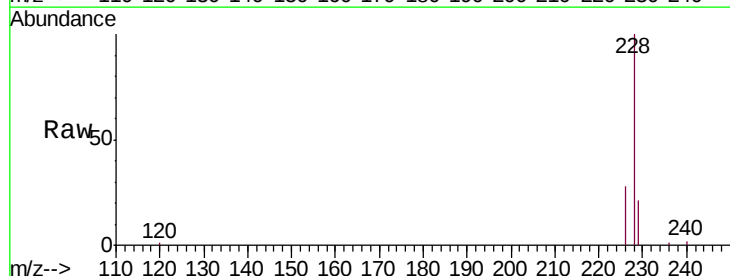
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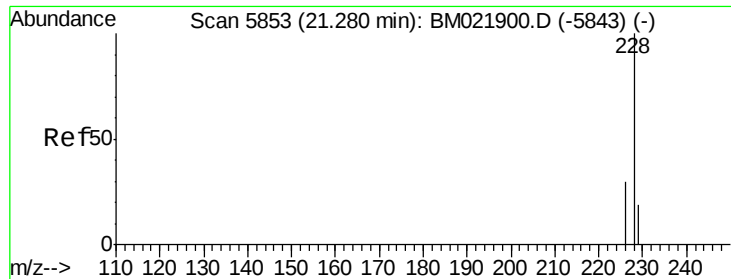
Tgt Ion:202 Resp: 99794
 Ion Ratio Lower Upper
 202 100
 101 10.7 8.3 12.5
 100 8.9 7.2 10.8



#18
 Benzo(a)anthracene
 Concen: 2.697 ng/ul
 RT: 21.22 min Scan# 5827
 Delta R.T. -0.01 min
 Lab File: BM021909.D
 Acq: 07 Aug 2019 23:08

Tgt Ion:228 Resp: 49107
 Ion Ratio Lower Upper
 228 100
 229 20.9 17.2 25.8
 226 28.5 22.6 34.0





#19

Chrysene

Concen: 2.629 ng/ul

RT: 21.27 min Scan# 5848

Delta R.T. -0.01 min

Lab File: BM021909.D

Acq: 07 Aug 2019 23:08

Instrument :

BNA_M

ClientSampleId :

BEP11DL

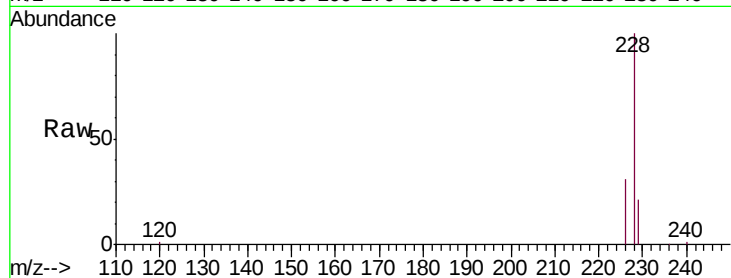
Tgt Ion:228 Resp: 61579

Ion Ratio Lower Upper

228 100

226 31.1 24.9 37.3

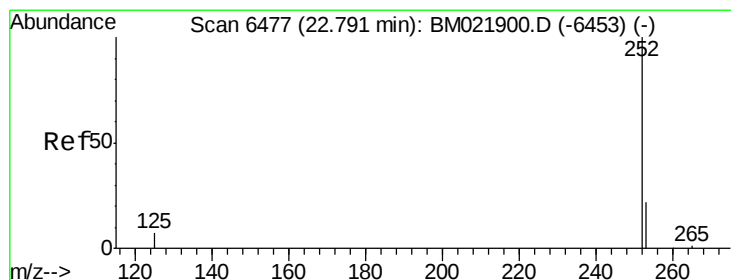
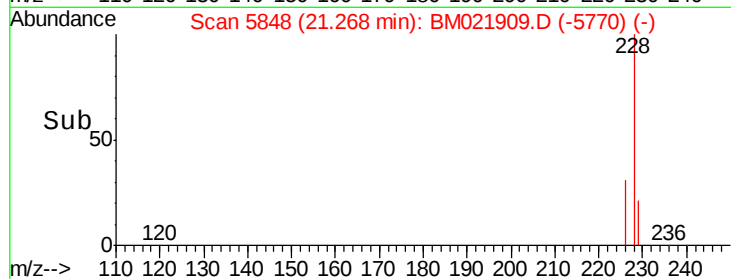
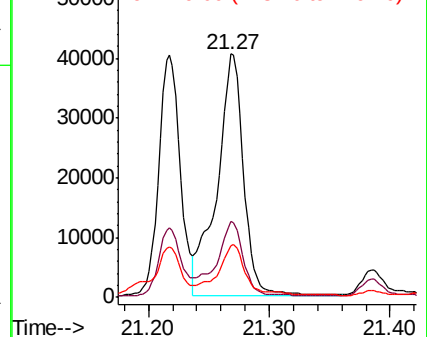
229 21.3 16.6 25.0



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: 4.759 ng/ul

RT: 22.78 min Scan# 6473

Delta R.T. -0.01 min

Lab File: BM021909.D

Acq: 07 Aug 2019 23:08

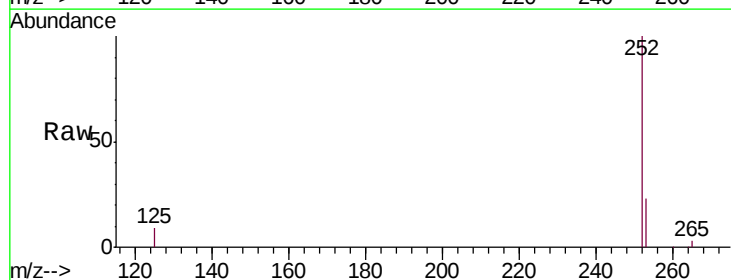
Tgt Ion:252 Resp: 116038

Ion Ratio Lower Upper

252 100

253 23.5 0.0 67.4

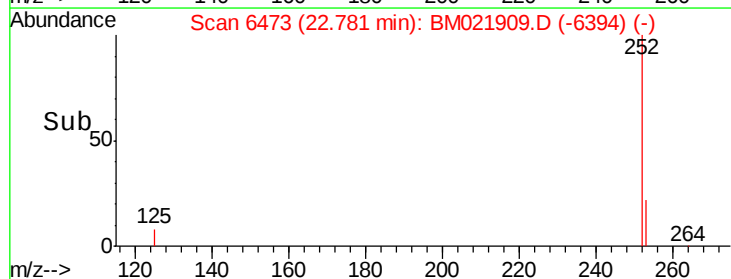
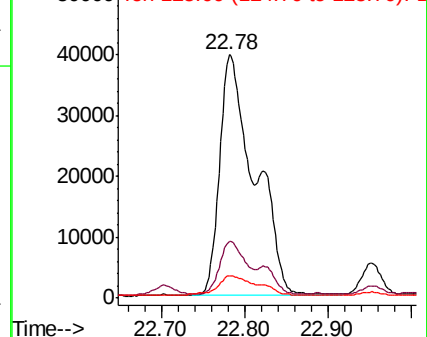
125 9.0 0.0 31.0

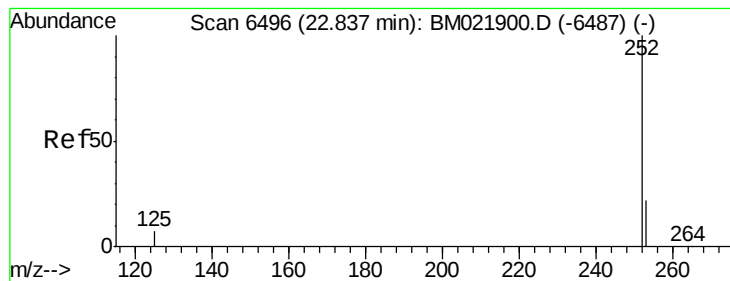


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.275 ng/ul

RT: 22.95 min Scan# 6543

Delta R.T. 0.11 min

Lab File: BM021909.D

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Instrument :

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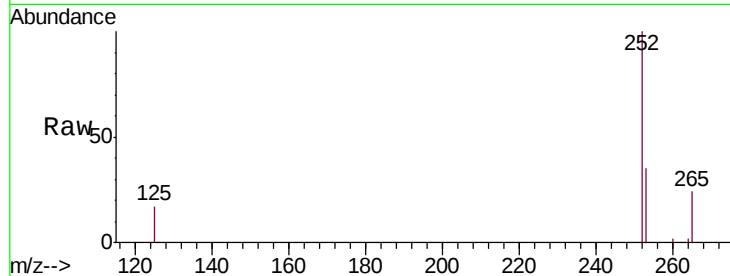
Tgt Ion:252 Resp: 7595

Ion Ratio Lower Upper

252 100

253 34.7 27.0 40.4

125 17.0 12.2 18.2

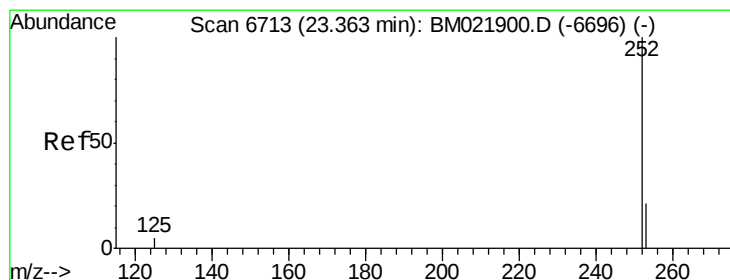
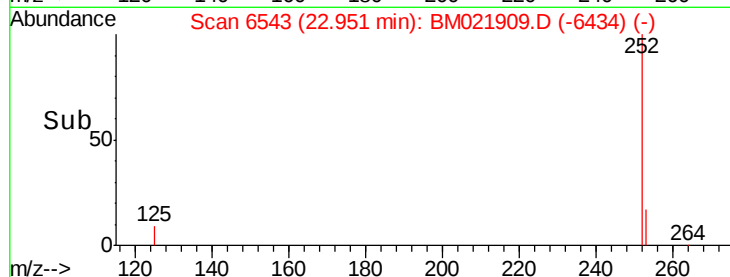
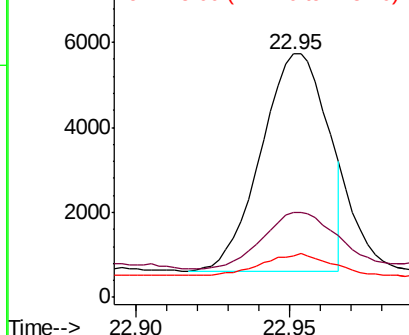


Abundance

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: 2.163 ng/ul

RT: 23.35 min Scan# 6707

Delta R.T. -0.01 min

Lab File: BM021909.D

Acq: 07 Aug 2019 23:08

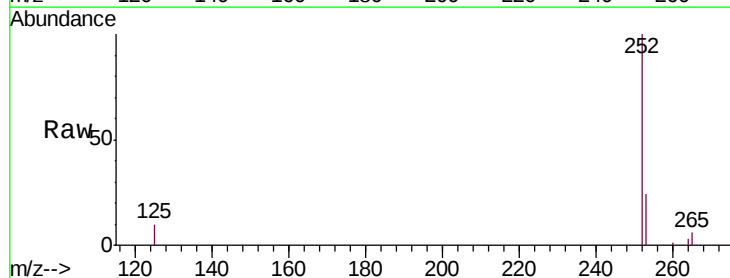
Tgt Ion:252 Resp: 53633

Ion Ratio Lower Upper

252 100

253 24.2 31.7 47.5#

125 9.9 14.6 21.8#

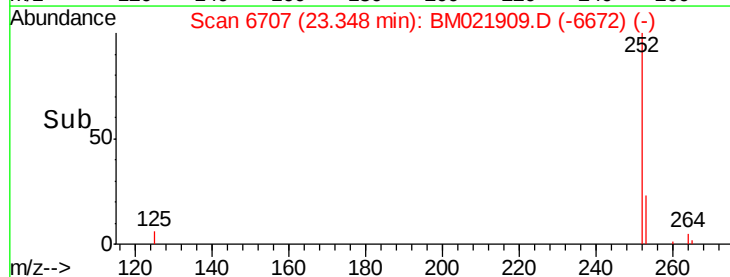
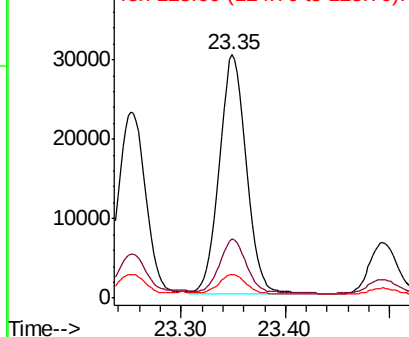


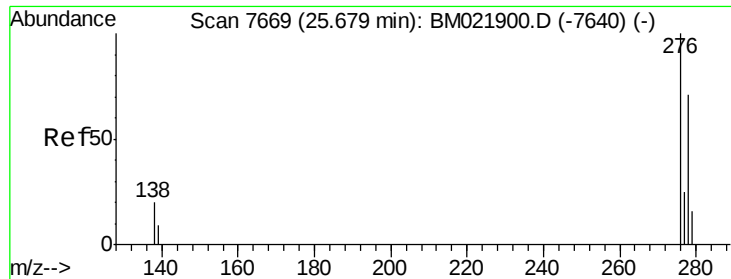
Abundance

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: 1.426 ng/u1

RT: 25.66 min Scan# 7661

Delta R.T. -0.02 min

Lab File: BM021909.D

Acq: 07 Aug 2019 23:08

Instrument :

BNA_M

ClientSampleId :

BEP11DL

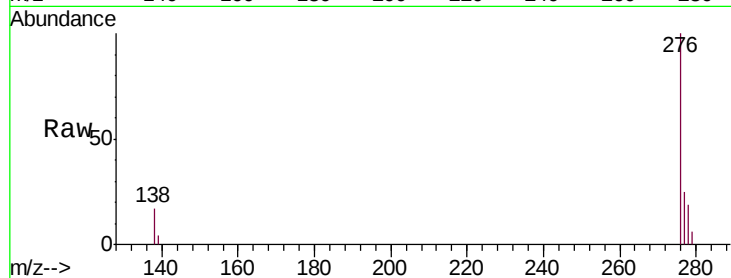
Tgt Ion:276 Resp: 42215

Ion Ratio Lower Upper

276 100

138 16.2 15.1 22.7

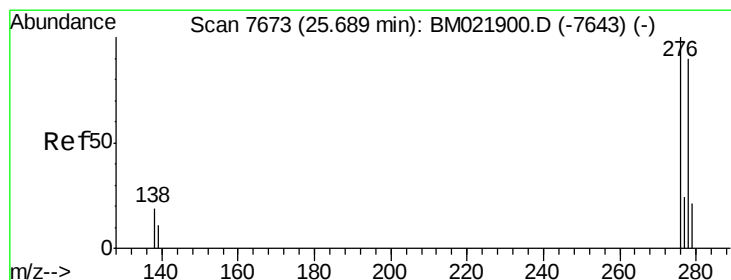
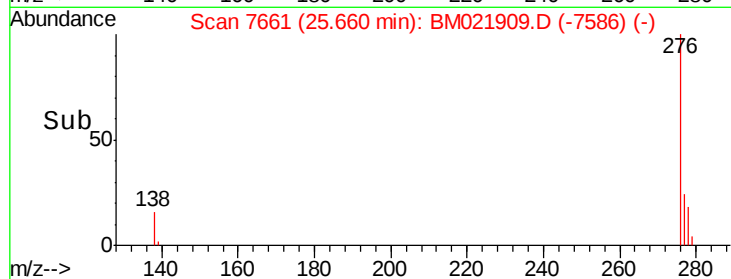
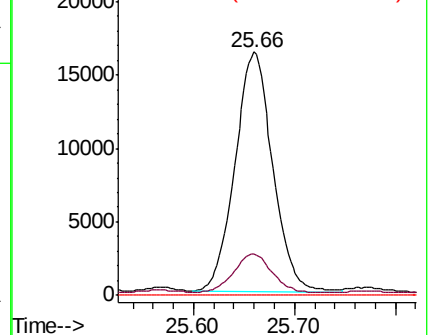
227 0.0 0.0 0.0



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: 0.409 ng/u1

RT: 25.66 min Scan# 7662

Delta R.T. -0.03 min

Lab File: BM021909.D

Acq: 07 Aug 2019 23:08

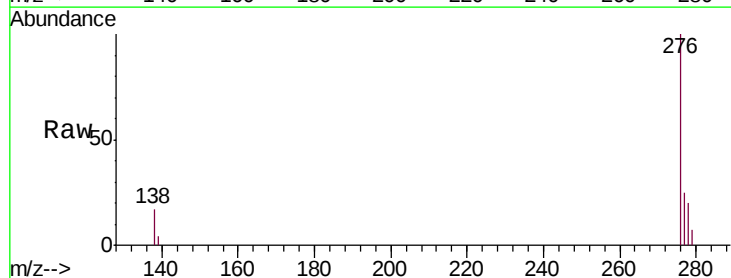
Tgt Ion:278 Resp: 9797

Ion Ratio Lower Upper

278 100

139 18.2 14.2 21.2

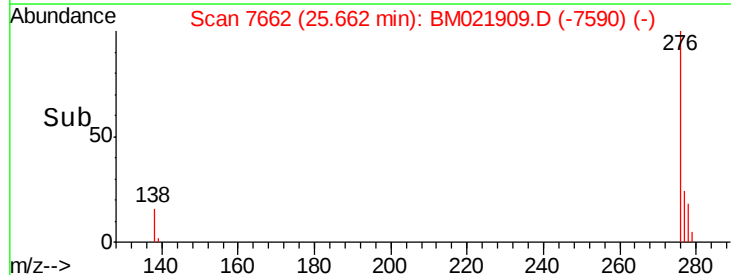
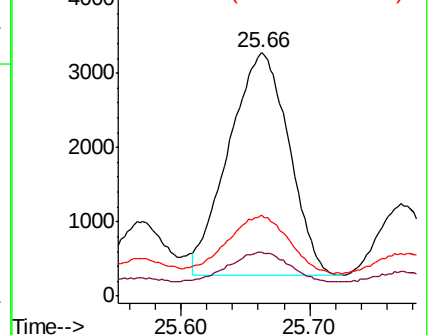
279 33.3 28.3 42.5

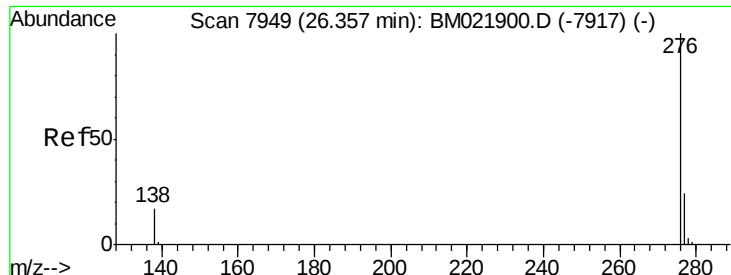


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.410 ng/ul

RT: 26.34 min Scan# 7942

Delta R.T. -0.02 min

Lab File: BM021909.D

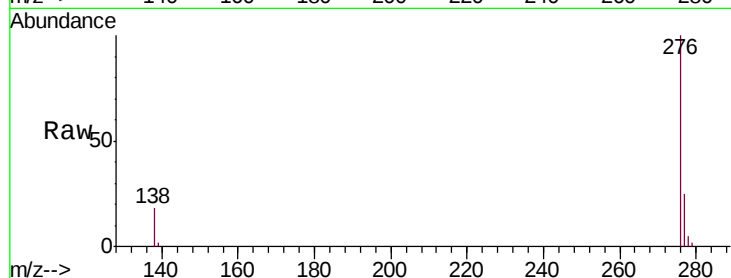
Acq: 07 Aug 2019 23:08

Instrument :

BNA_M

ClientSampleId :

BEP11DL



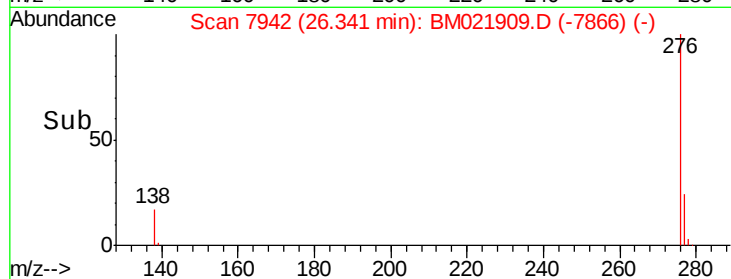
Tgt Ion: 276 Resp: 37580

Ion Ratio Lower Upper

276 100

138 17.6 15.5 23.3

277 24.9 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

