

Data File : BM021936.D
Acq On : 08 Aug 2019 16:53
Operator : HP/JU
Sample : K4029-20
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENT9

Quant Time: Aug 09 01:00:06 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 : Fri Aug 09 00:56:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	935	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	4002	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	2201	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	289001	0.40	ng/ul	0.08
16) Chrysene-d12	21.40	240	88	0.40	ng/ul	0.15
20) Perylene-d12	23.70	264	1117	0.40	ng/ul	0.23

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1429	0.22	ng/ul	-0.02
14) Fluoranthene-d10	19.16	212	90	0.00	ng/ul	0.08

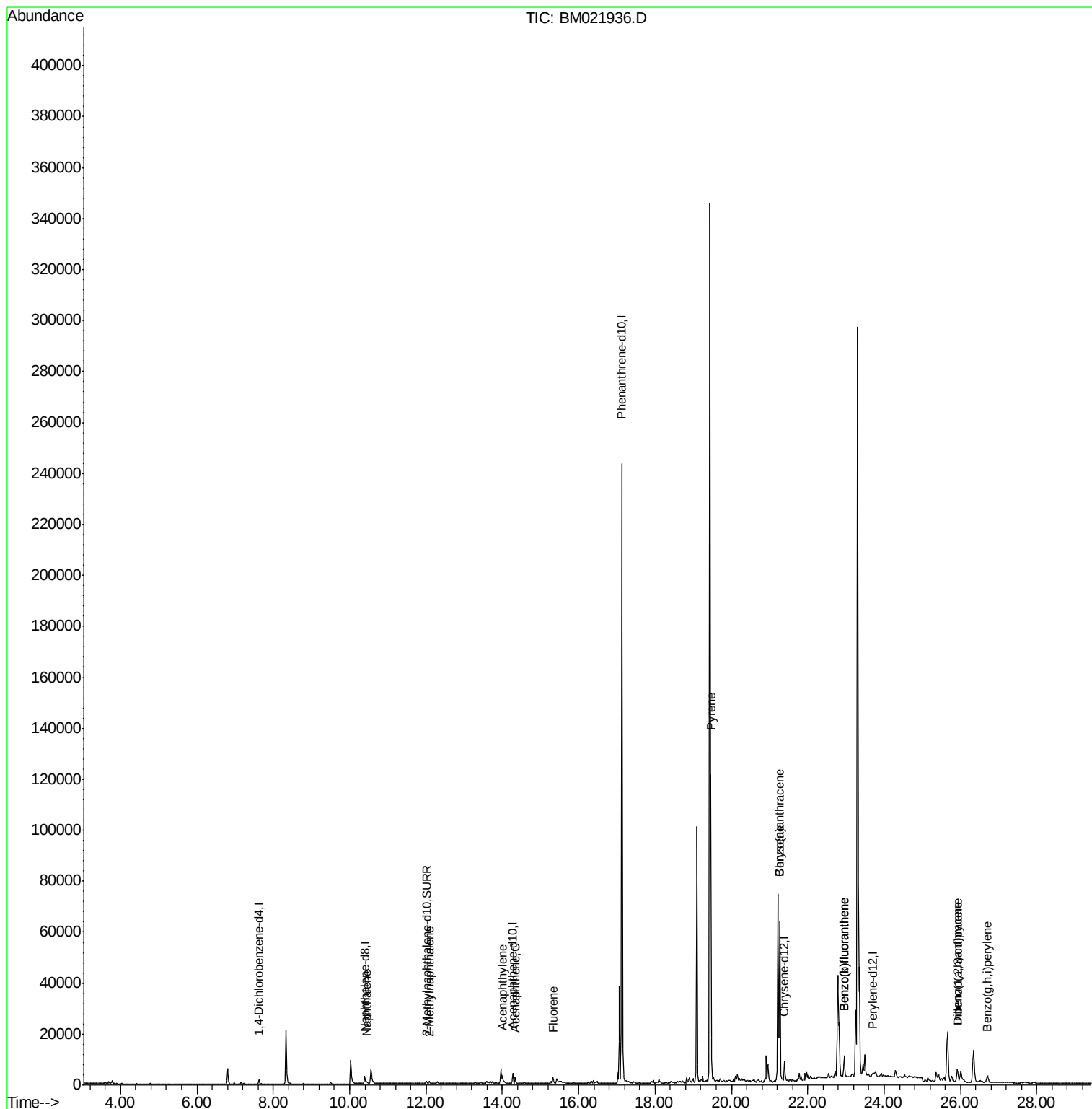
Target Compounds				Qvalue		
3) Naphthalene	10.45	128	1086	0.096	ng/ul#	92
5) 2-Methylnaphthalene	12.08	142	607	0.081	ng/ul	95
7) Acenaphthylene	14.00	152	3389	0.330	ng/ul#	84
8) Acenaphthene	14.33	153	1482	0.176	ng/ul	97
9) Fluorene	15.33	166	1744	0.187	ng/ul	99
17) Pyrene	19.46	202	99802	275.987	ng/ul	99
18) Benzo(a)anthracene	21.27	228	64389	204.559	ng/ul	96
19) Chrysene	21.27	228	62933	155.460	ng/ul	99
21) Benzo(b)fluoranthene	22.95	252	10838	2.877	ng/ul	97
22) Benzo(k)fluoranthene	22.95	252	10745	2.521	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.92	276	2051	0.448	ng/ul#	48
25) Dibenzo(a,h)anthracene	25.92	278	7574	2.049	ng/ul	97
26) Benzo(g,h,i)perylene	26.71	276	5610	1.362	ng/ul#	88

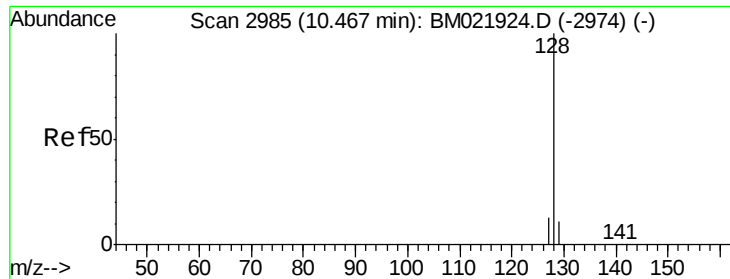
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.096 ng/ul

RT: 10.45 min Scan# 2981

Delta R.T. -0.02 min

Lab File: BM021936.D

Acq: 08 Aug 2019 16:53

Instrument :

BNA_M

ClientSampleId :

BENT9

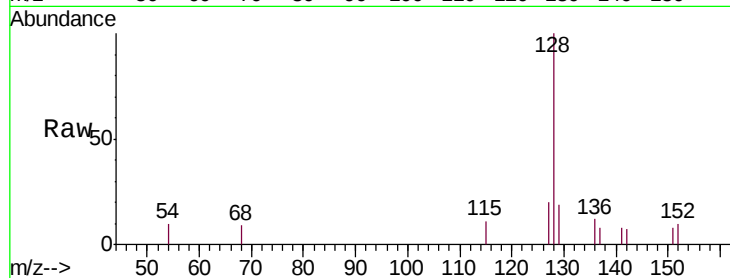
Tgt Ion:128 Resp: 1086

Ion Ratio Lower Upper

128 100

129 18.9 12.3 18.5#

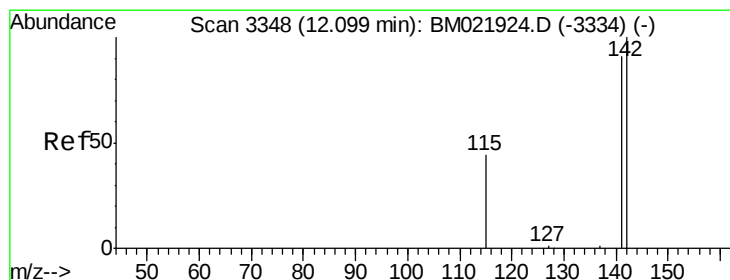
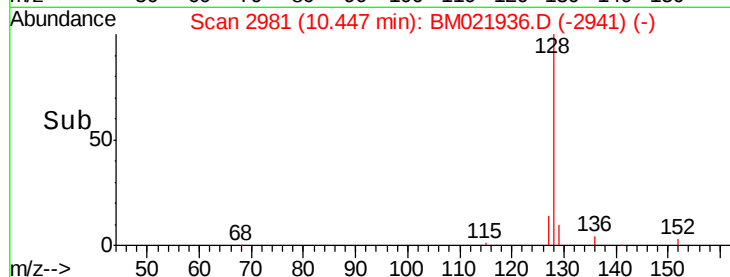
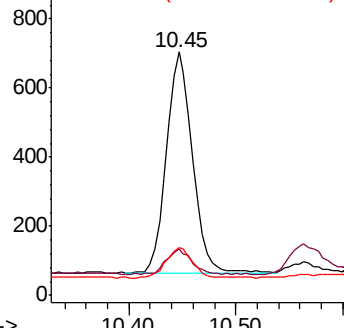
127 19.9 13.0 19.6#



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



#5

2-Methylnaphthalene

Concen: 0.081 ng/ul

RT: 12.08 min Scan# 3345

Delta R.T. -0.02 min

Lab File: BM021936.D

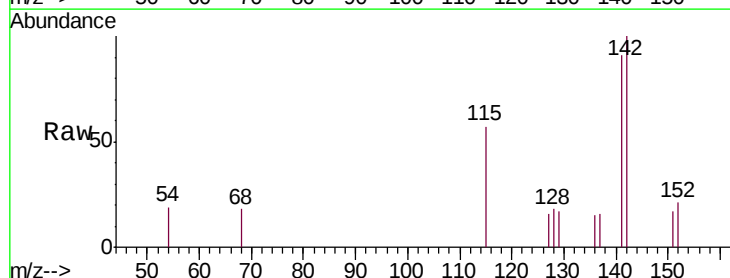
Acq: 08 Aug 2019 16:53

Tgt Ion:142 Resp: 607

Ion Ratio Lower Upper

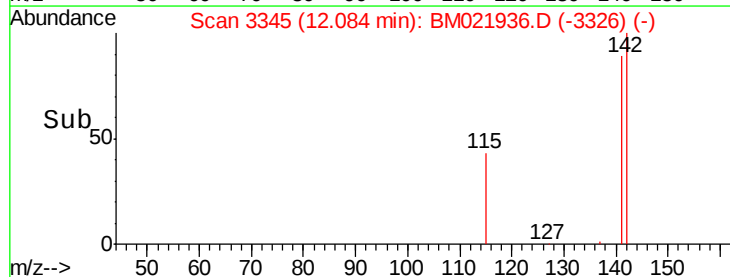
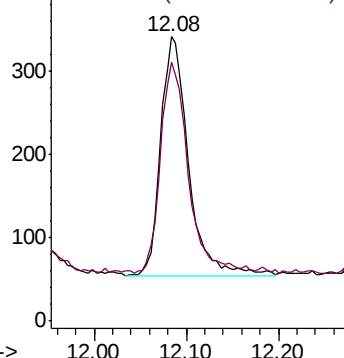
142 100

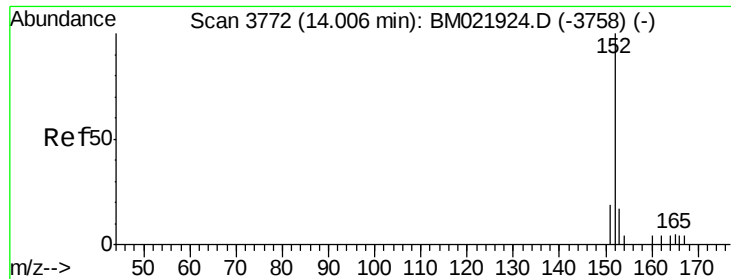
141 88.0 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.330 ng/ul

RT: 14.00 min Scan# 3770

Delta R.T. -0.01 min

Lab File: BM021936.D

Acq: 08 Aug 2019 16:53

Instrument :

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ClientSampleId :

BENT9

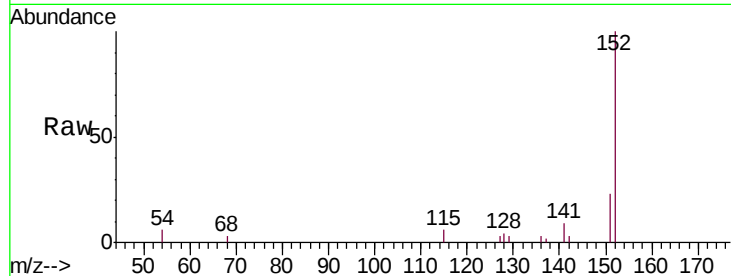
Tgt Ion:152 Resp: 3389

Ion Ratio Lower Upper

152 100

151 22.6 18.3 27.5

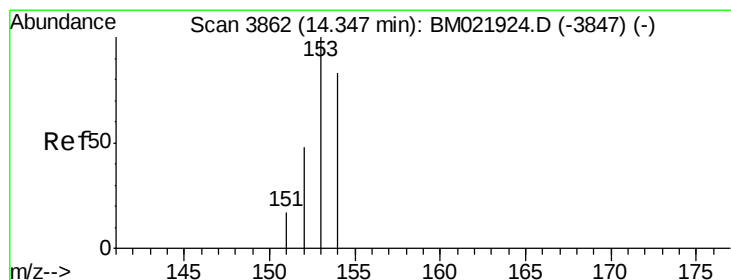
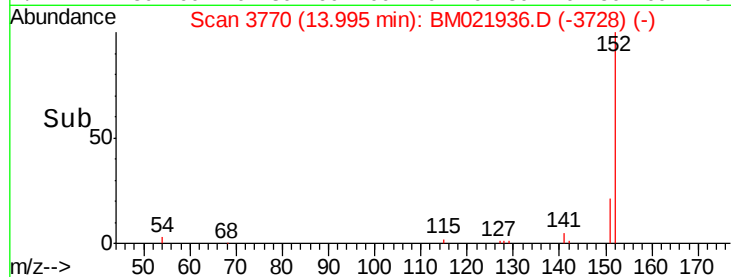
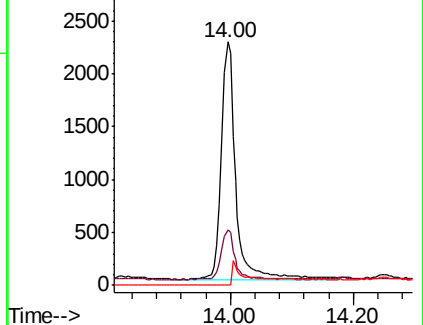
153 0.0 12.8 19.2#



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: 0.176 ng/ul

RT: 14.33 min Scan# 3859

Delta R.T. -0.01 min

Lab File: BM021936.D

Acq: 08 Aug 2019 16:53

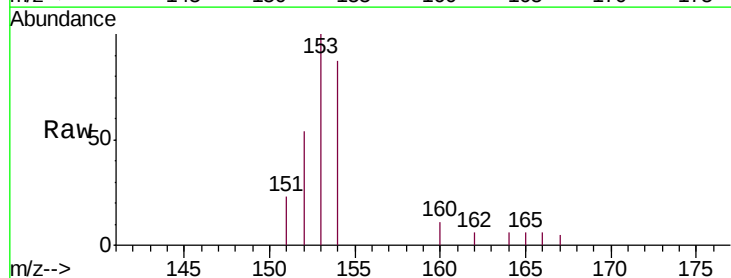
Tgt Ion:153 Resp: 1482

Ion Ratio Lower Upper

153 100

152 53.7 41.3 61.9

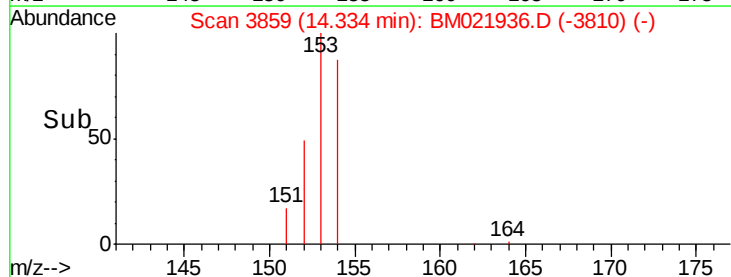
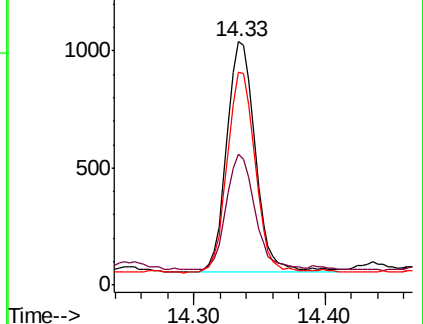
154 87.3 72.3 108.5

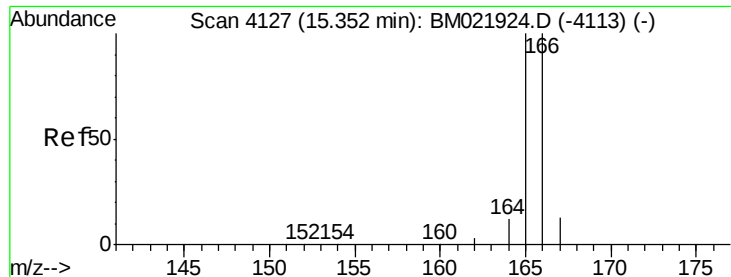


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

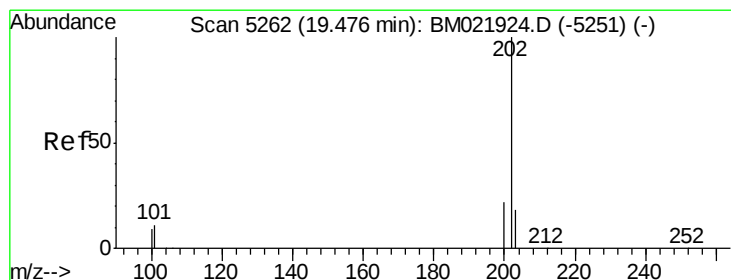
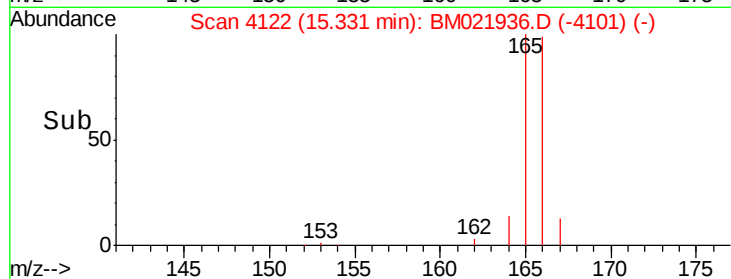
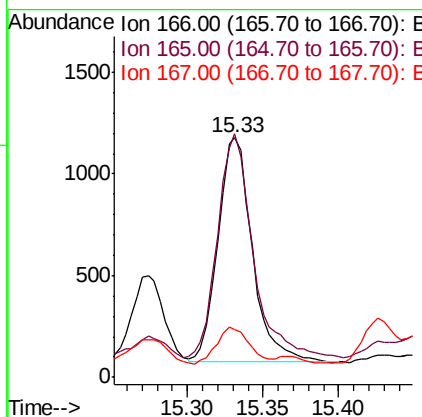
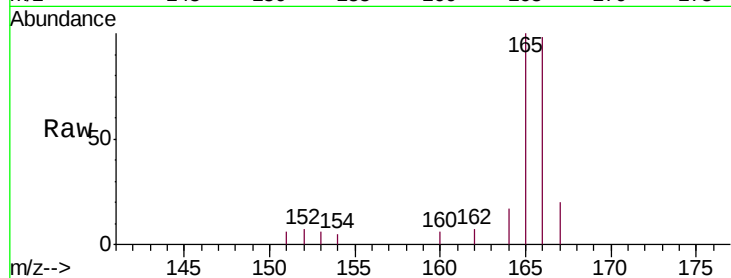




#9
Fluorene
 Concen: 0.187 ng/ul
 RT: 15.33 min Scan# 4122
 Delta R.T. -0.02 min
 Lab File: BM021936.D
 Acq: 08 Aug 2019 16:53

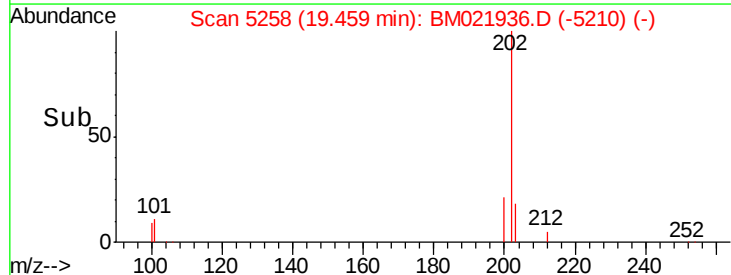
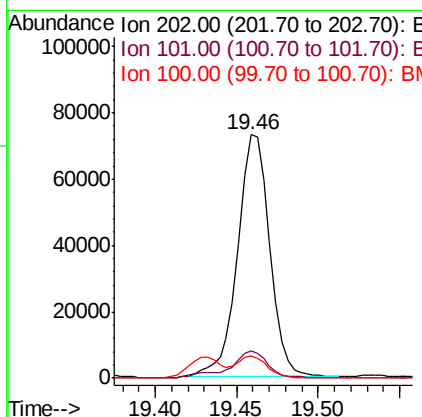
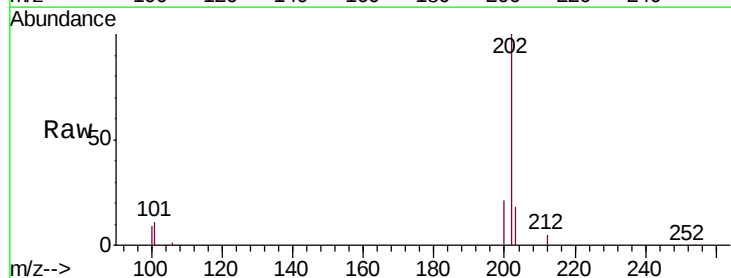
Instrument :
 BNA_M
 ClientSampleId :
 BENT9

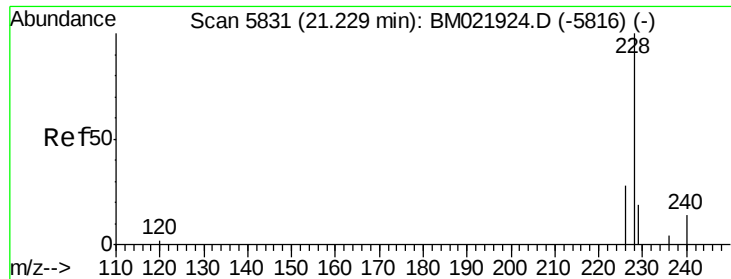
Tgt Ion:166 Resp: 1744
 Ion Ratio Lower Upper
 166 100
 165 101.8 81.4 122.0
 167 19.9 13.7 20.5



#17
Pyrene
 Concen: 275.987 ng/ul
 RT: 19.46 min Scan# 5258
 Delta R.T. -0.02 min
 Lab File: BM021936.D
 Acq: 08 Aug 2019 16:53

Tgt Ion:202 Resp: 99802
 Ion Ratio Lower Upper
 202 100
 101 11.0 8.3 12.5
 100 9.3 7.2 10.8





#18

Benzo(a)anthracene

Concen: 204.559 ng/ul

RT: 21.27 min Scan# 5848

Delta R.T. 0.04 min

Lab File: BM021936.D

Acq: 08 Aug 2019 16:53

Instrument :

BNA_M

ClientSampleId :

BENT9

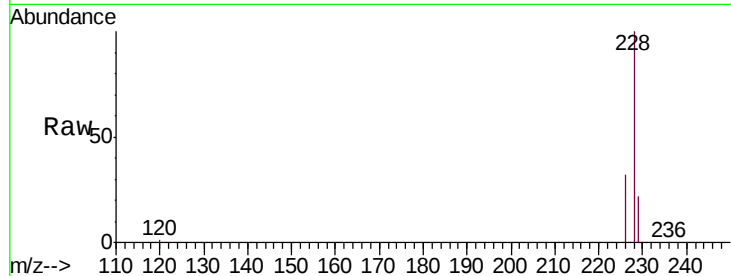
Tgt Ion:228 Resp: 64389

Ion Ratio Lower Upper

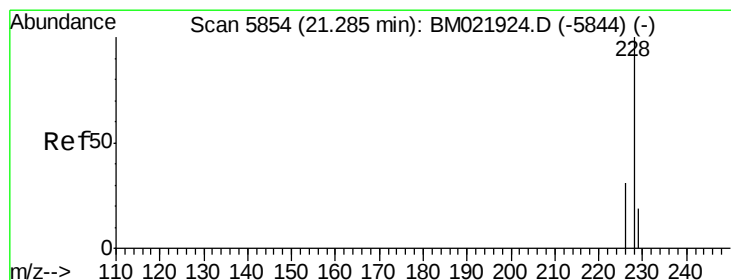
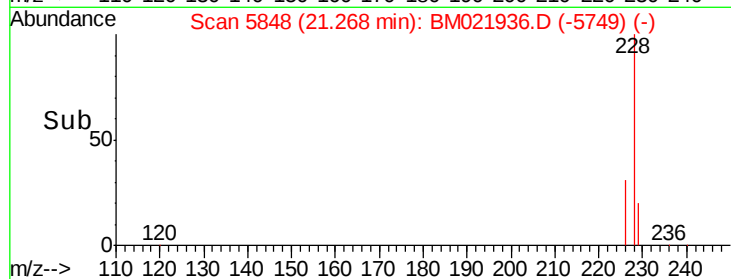
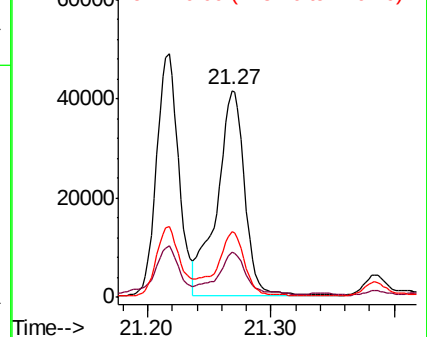
228 100

229 21.6 17.2 25.8

226 31.6 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: 155.460 ng/ul

RT: 21.27 min Scan# 5848

Delta R.T. -0.02 min

Lab File: BM021936.D

Acq: 08 Aug 2019 16:53

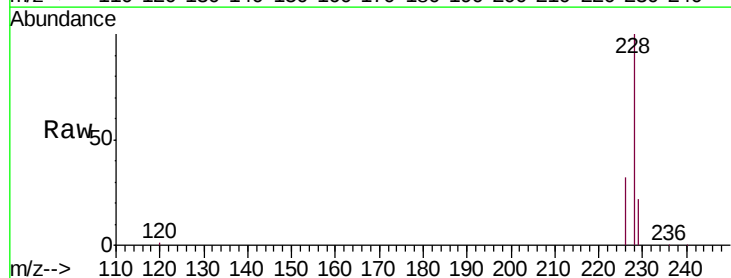
Tgt Ion:228 Resp: 62933

Ion Ratio Lower Upper

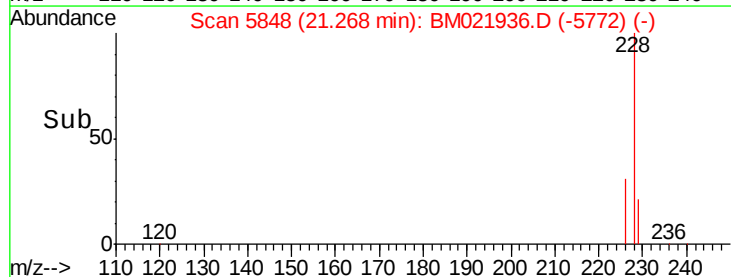
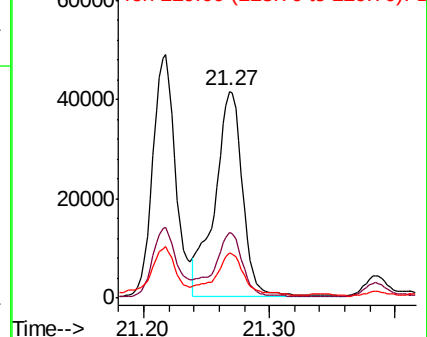
228 100

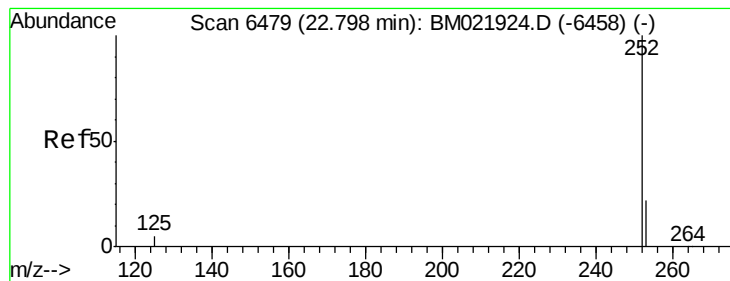
226 31.6 24.9 37.3

229 21.6 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: 2.877 ng/ul

RT: 22.95 min Scan# 6543

Delta R.T. 0.15 min

Lab File: BM021936.D

Acq: 08 Aug 2019 16:53

Instrument :

BNA_M

ClientSampleId :

BENT9

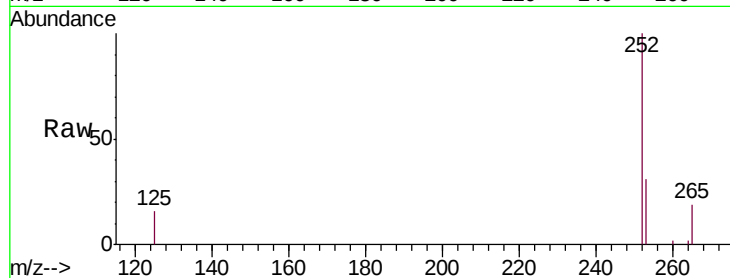
Tgt Ion:252 Resp: 10838

Ion Ratio Lower Upper

252 100

253 31.0 0.0 67.4

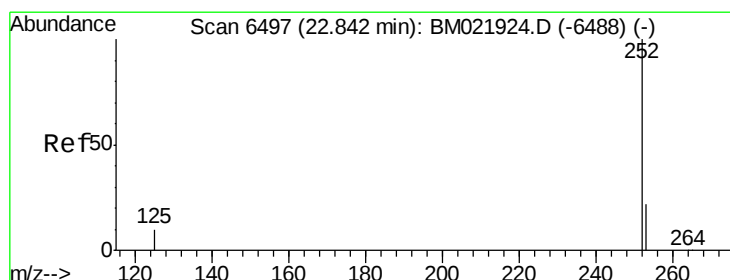
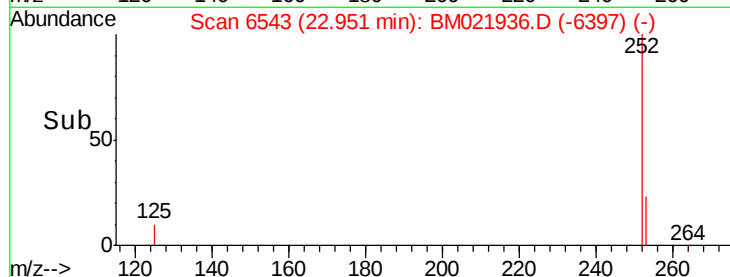
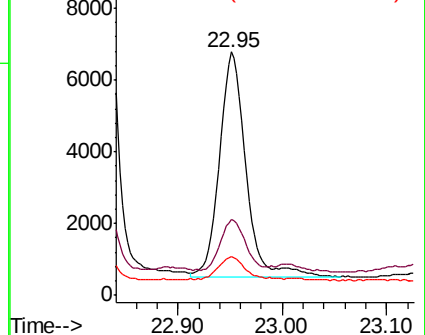
125 15.7 0.0 31.0



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: 2.521 ng/ul

RT: 22.95 min Scan# 6543

Delta R.T. 0.11 min

Lab File: BM021936.D

Acq: 08 Aug 2019 16:53

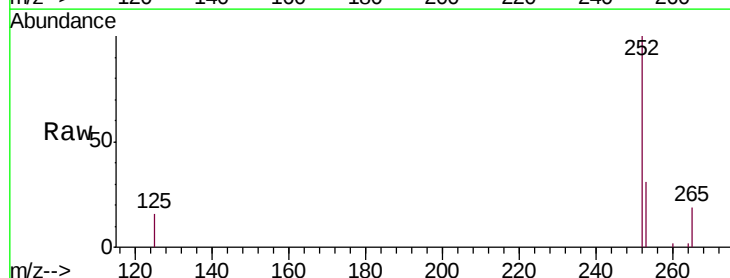
Tgt Ion:252 Resp: 10745

Ion Ratio Lower Upper

252 100

253 31.0 27.0 40.4

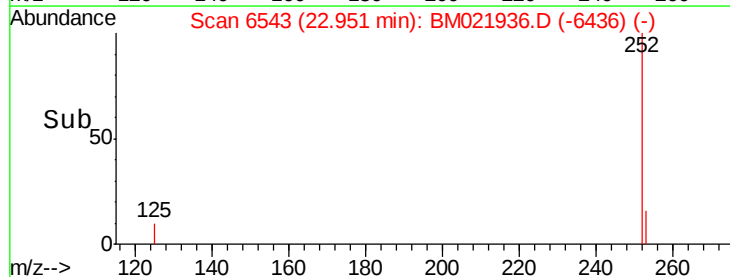
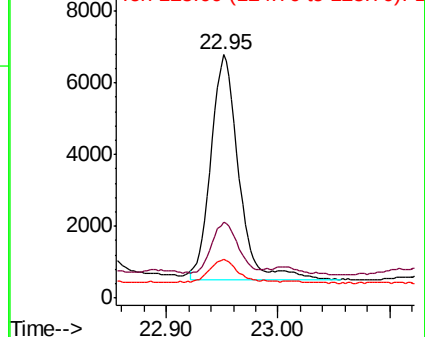
125 15.7 12.2 18.2

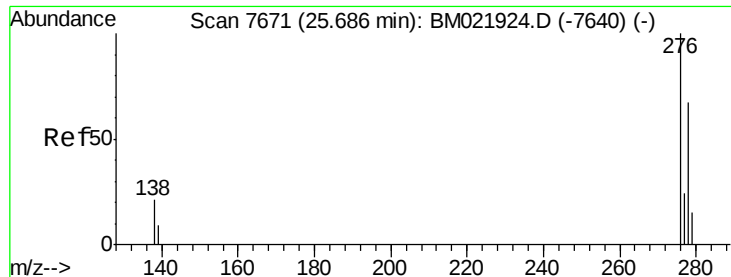


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



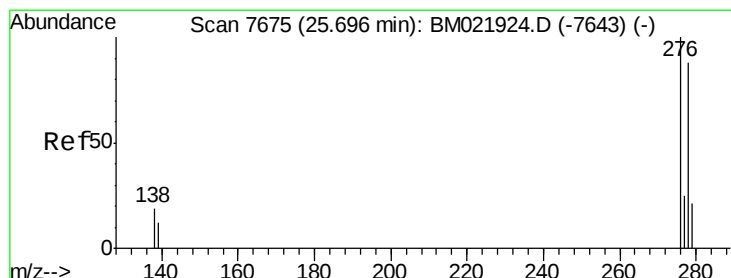
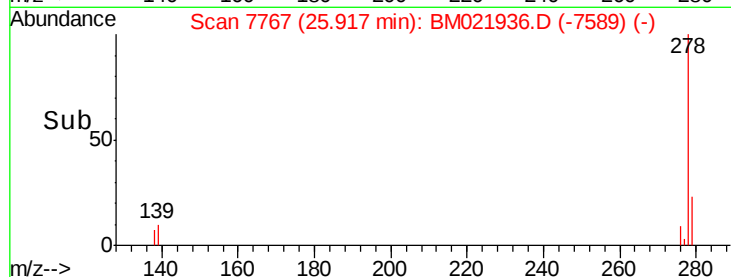
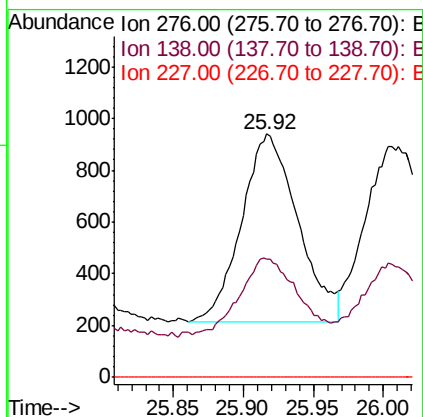
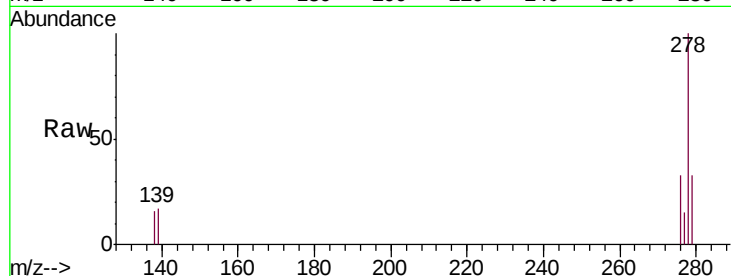


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.448 ng/u1
RT: 25.92 min Scan# 7767
Delta R.T. 0.23 min
Lab File: BM021936.D
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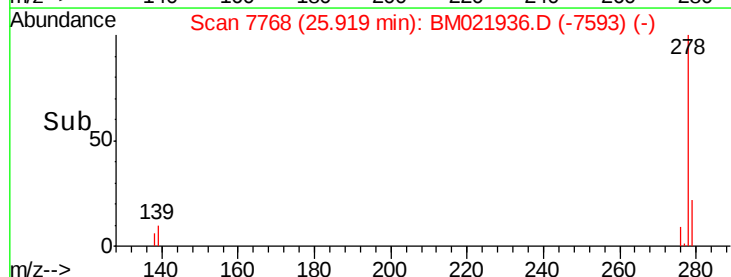
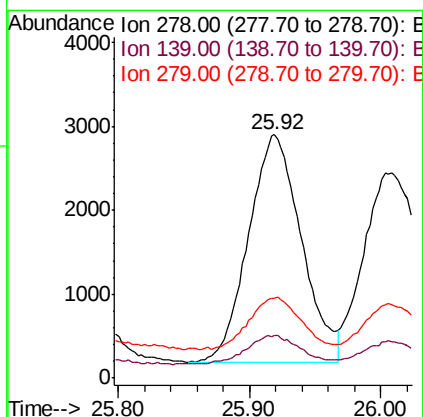
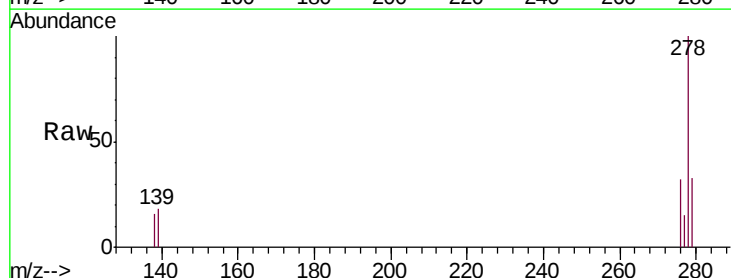
Tgt Ion:276 Resp: 2051
Ion Ratio Lower Upper
276 100
138 42.3 15.1 22.7#
227 0.0 0.0 0.0

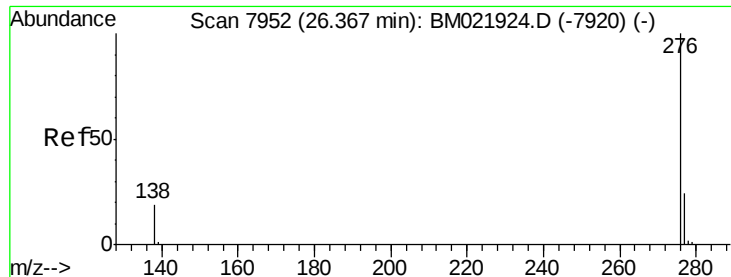


#25

Dibenzo(a,h)anthracene
Concen: 2.049 ng/u1
RT: 25.92 min Scan# 7768
Delta R.T. 0.22 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

Tgt Ion:278 Resp: 7574
Ion Ratio Lower Upper
278 100
139 17.5 14.2 21.2
279 32.5 28.3 42.5





#26

Benzo(g,h,i)perylene

Concen: 1.362 ng/ul

RT: 26.71 min Scan# 8093

Delta R.T. 0.34 min

Lab File: BM021936.D

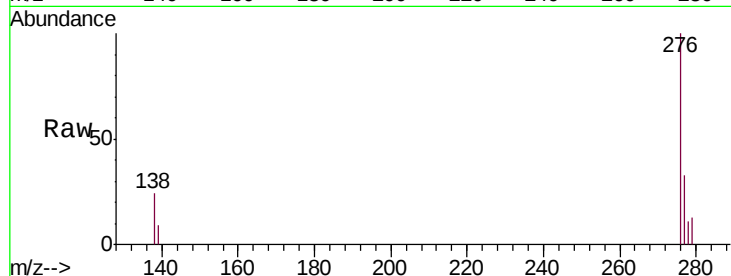
Acq: 08 Aug 2019 16:53

Instrument :

BNA_M

ClientSampleId :

BENT9



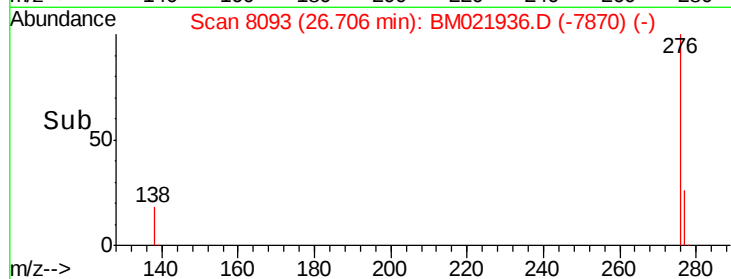
Tgt Ion: 276 Resp: 5610

Ion Ratio Lower Upper

276 100

138 24.4 15.5 23.3#

277 33.2 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

