

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
 Data File : BM021951.D
 Acq On : 09 Aug 2019 02:01
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 09 04:01:40 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 01:29:50 2019
 Response via : Initial Calibration

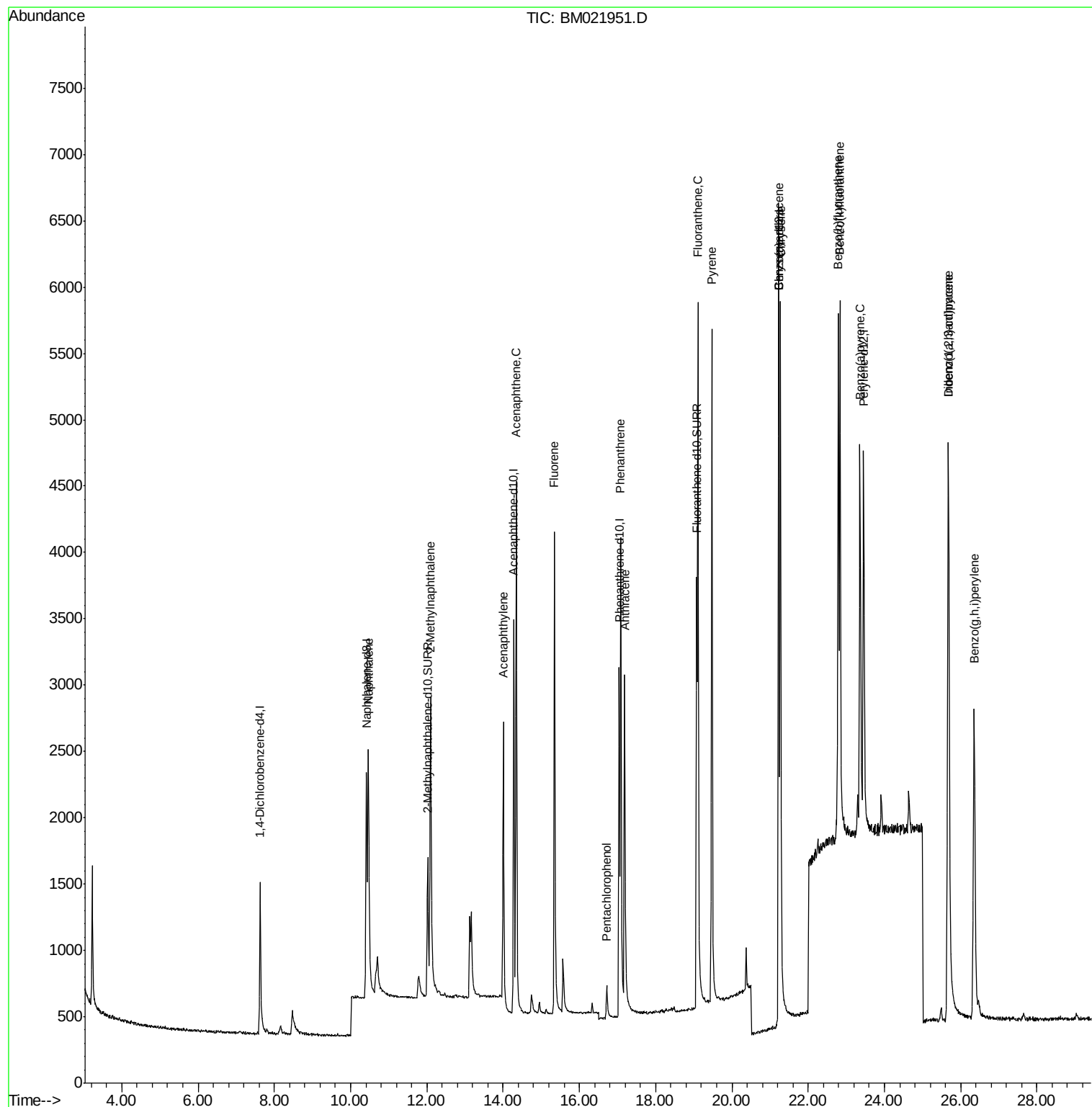
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	794	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	3679	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	1981	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	4317	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	3896	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	4407	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	2262	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	4962	0.34	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.46	128	3752	0.361	ng/ul	98
5) 2-Methylnaphthalene	12.09	142	2561	0.370	ng/ul	100
7) Acenaphthylene	14.01	152	3156	0.342	ng/ul	98
8) Acenaphthene	14.34	153	2850	0.377	ng/ul	97
9) Fluorene	15.34	166	3022	0.360	ng/ul	99
11) Pentachlorophenol	16.71	266	282	0.354	ng/ul	94
12) Phenanthrene	17.08	178	4572	0.364	ng/ul	99
13) Anthracene	17.18	178	4043	0.377	ng/ul	97
15) Fluoranthene	19.11	202	5525	0.328	ng/ul	97
17) Pyrene	19.47	202	5813	0.363	ng/ul#	95
18) Benzo(a)anthracene	21.22	228	5023	0.360	ng/ul	99
19) Chrysene	21.27	228	6183	0.345	ng/ul	100
21) Benzo(b)fluoranthene	22.79	252	5582	0.376	ng/ul	94
22) Benzo(k)fluoranthene	22.83	252	6039	0.359	ng/ul	96
23) Benzo(a)pyrene	23.36	252	5412	0.358	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.67	276	6535	0.362	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.68	278	5244	0.360	ng/ul	96
26) Benzo(g,h,i)perylene	26.35	276	5721	0.352	ng/ul	96

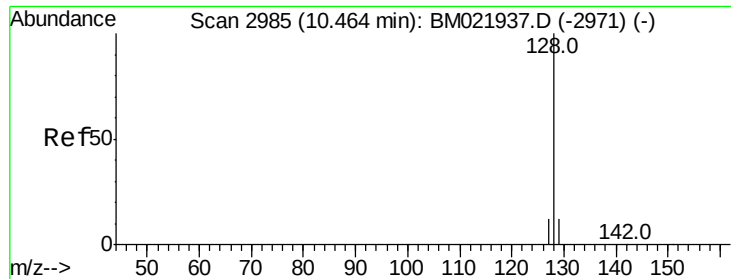
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.361 ng/ul

RT: 10.46 min Scan# 2984

Delta R.T. -0.00 min

Lab File: BM021951.D

Acq: 09 Aug 2019 02:01

Instrument :

BNA_M

ClientSampleId :

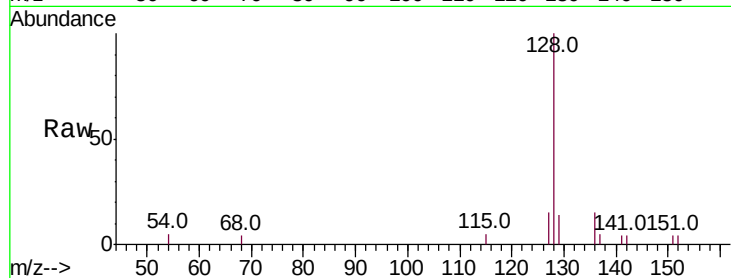
Tot Ion:128 Resp: 3752

Ion Ratio Lower Upper

128 100

129 14.4 12.3 18.5

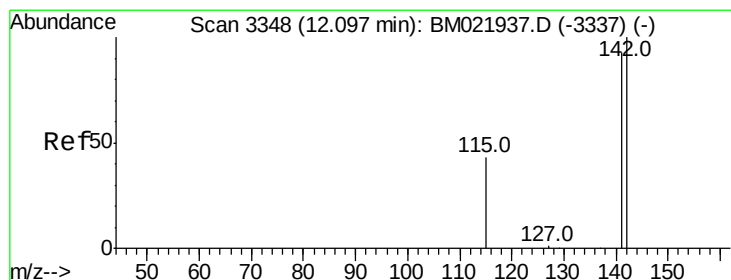
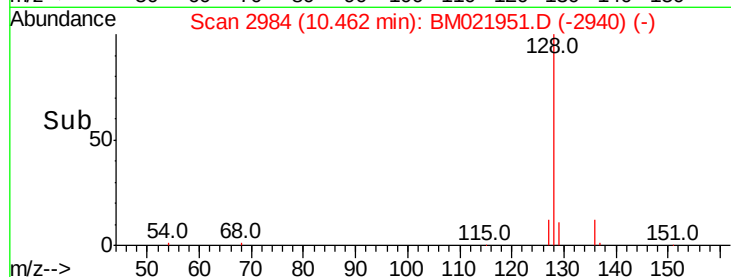
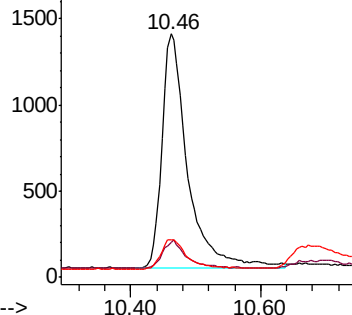
127 15.4 13.0 19.6



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: 0.370 ng/ul

RT: 12.09 min Scan# 3347

Delta R.T. -0.00 min

Lab File: BM021951.D

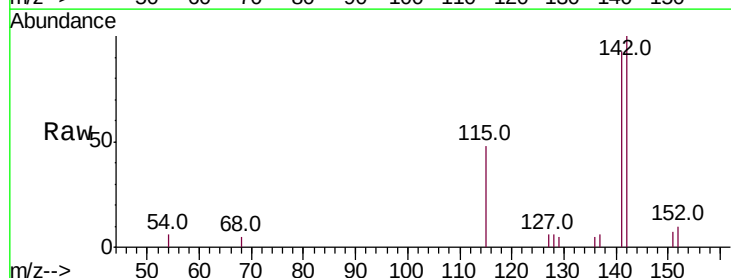
Acq: 09 Aug 2019 02:01

Tgt Ion:142 Resp: 2561

Ion Ratio Lower Upper

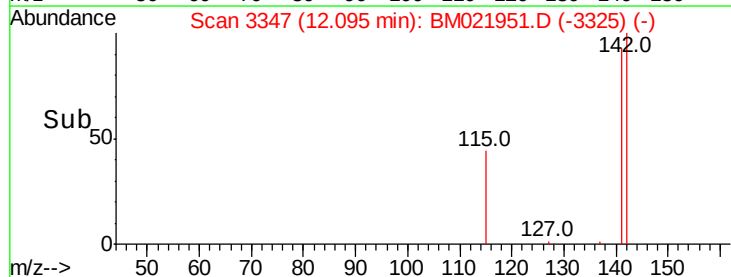
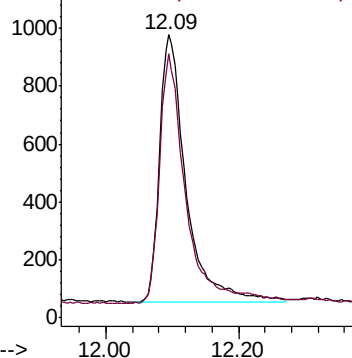
142 100

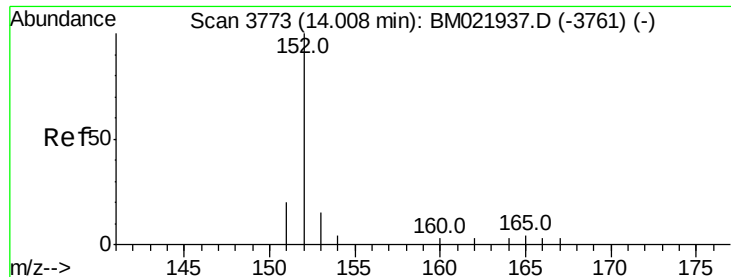
141 93.0 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.342 ng/ul

RT: 14.01 min Scan# 3772

Delta R.T. -0.00 min

Lab File: BM021951.D

Acq: 09 Aug 2019 02:01

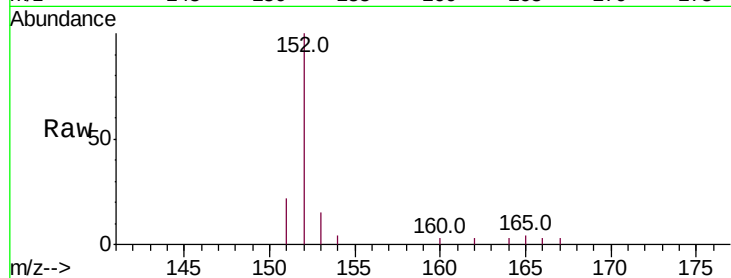
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 3156

Ion	Ratio	Lower	Upper
152	100		
151	21.8	18.3	27.5
153	15.1	12.8	19.2

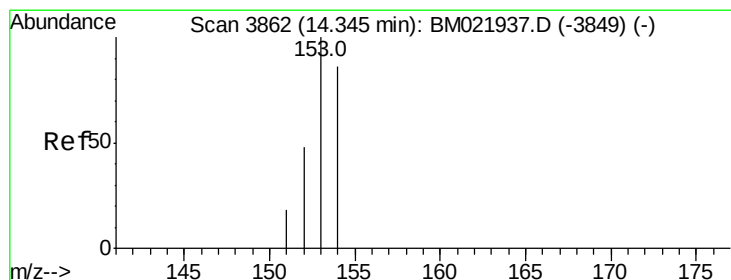
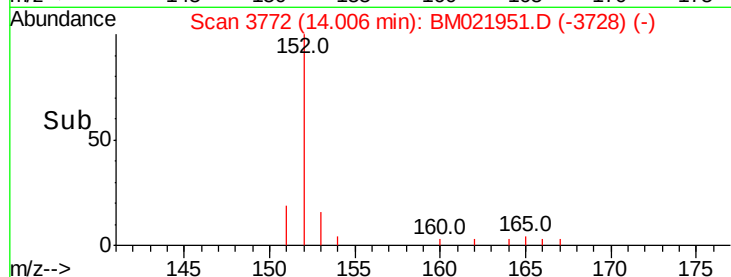
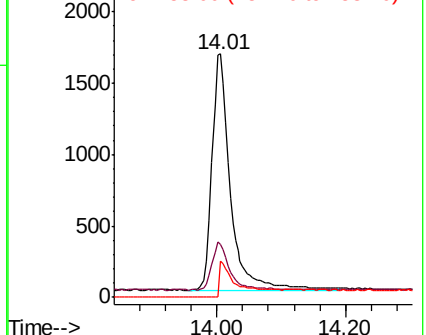


Abundance

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: 0.377 ng/ul

RT: 14.34 min Scan# 3861

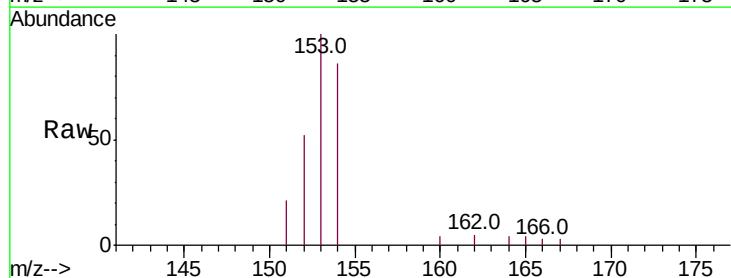
Delta R.T. -0.00 min

Lab File: BM021951.D

Acq: 09 Aug 2019 02:01

Tgt Ion:153 Resp: 2850

Ion	Ratio	Lower	Upper
153	100		
152	51.6	41.3	61.9
154	86.5	72.3	108.5

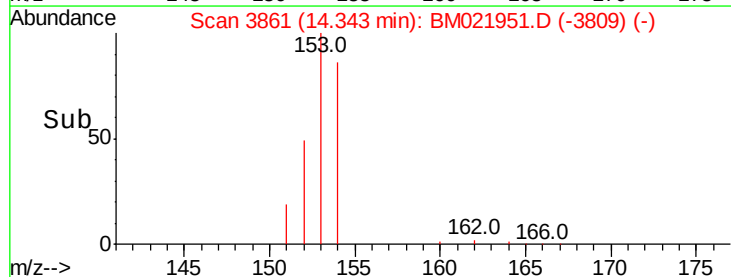
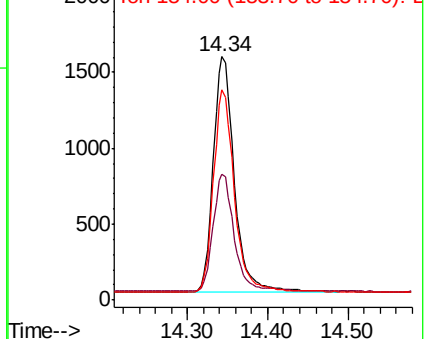


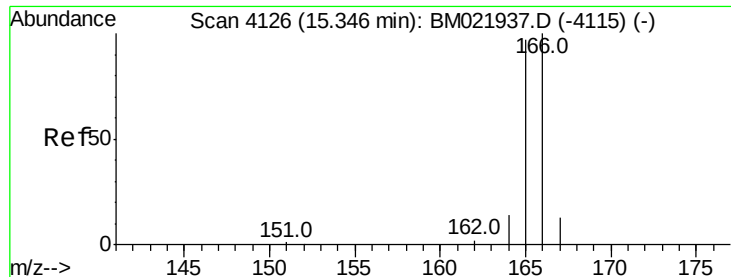
Abundance

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: 0.360 ng/ul

RT: 15.34 min Scan# 4125

Delta R.T. -0.00 min

Lab File: BM021951.D

Acq: 09 Aug 2019 02:01

Instrument :

BNA_M

ClientSampleId :

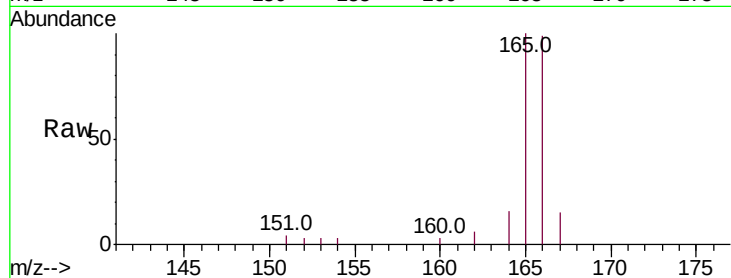
Tot Ion:166 Resp: 3022

Ion Ratio Lower Upper

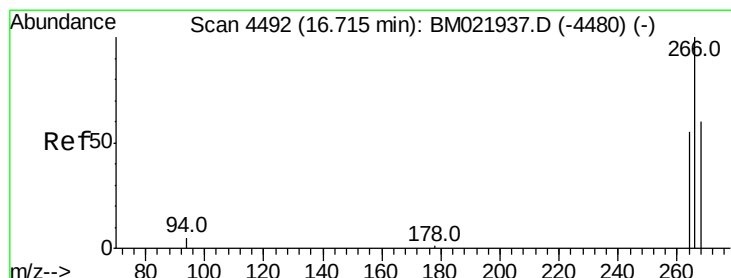
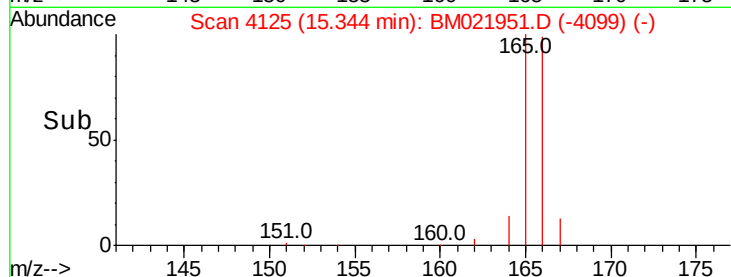
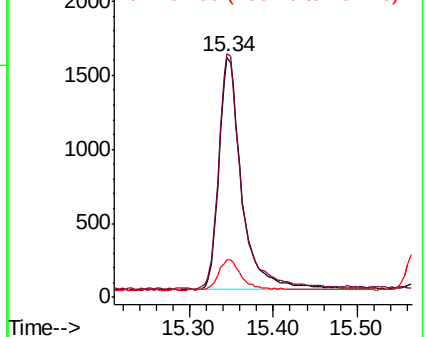
166 100

165 101.4 81.4 122.0

167 15.7 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: 0.354 ng/ul

RT: 16.71 min Scan# 4491

Delta R.T. -0.00 min

Lab File: BM021951.D

Acq: 09 Aug 2019 02:01

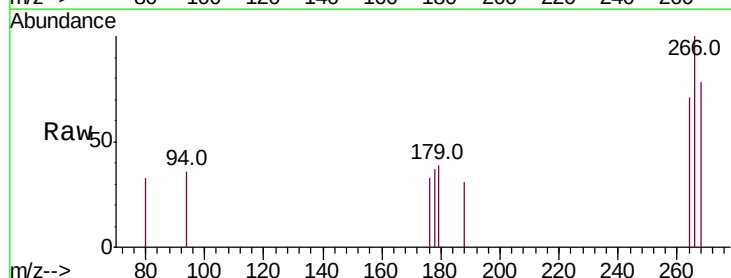
Tgt Ion:266 Resp: 282

Ion Ratio Lower Upper

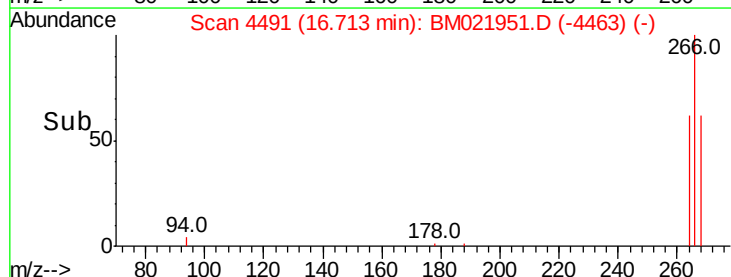
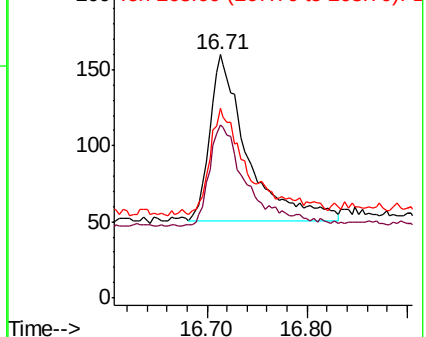
266 100

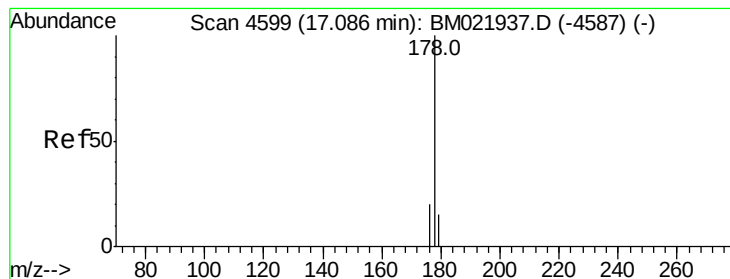
264 63.1 54.2 81.2

268 67.0 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

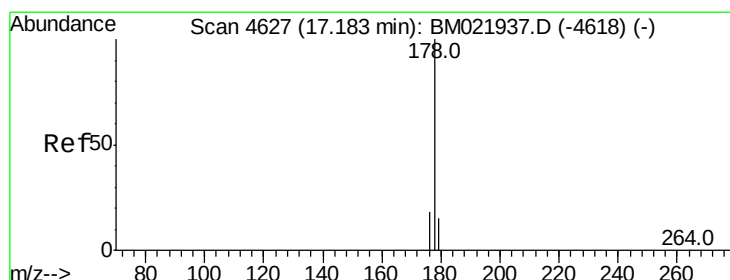
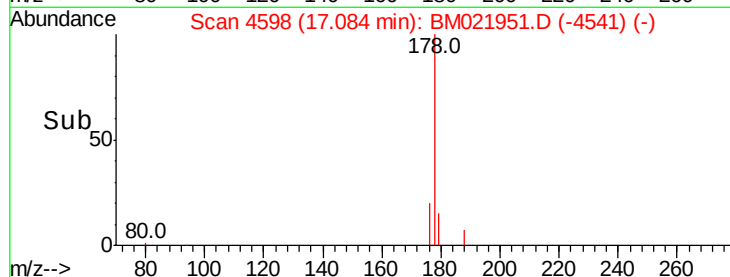
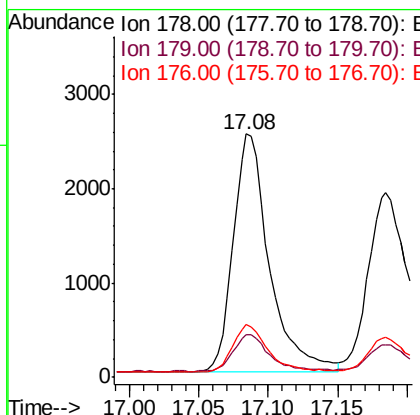
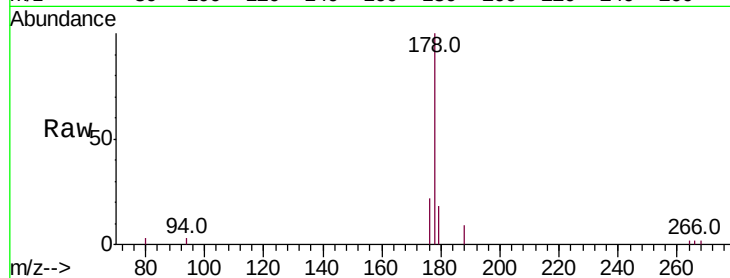




#12
Phenanthrene
Concen: 0.364 ng/ul
RT: 17.08 min Scan# 4598
Delta R.T. -0.00 min
Lab File: BM021951.D
Acq: 09 Aug 2019 02:01

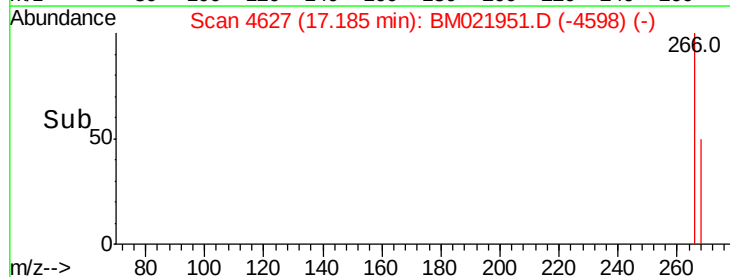
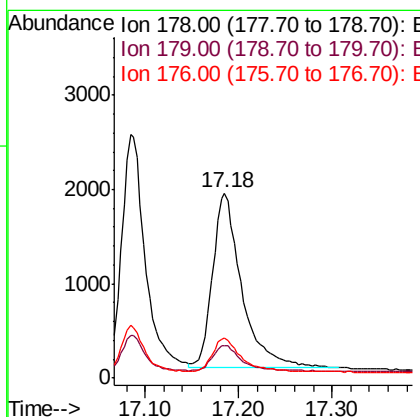
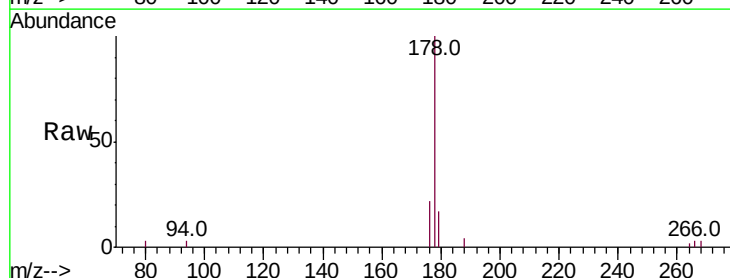
Instrument :
BNA_M
ClientSampleId :

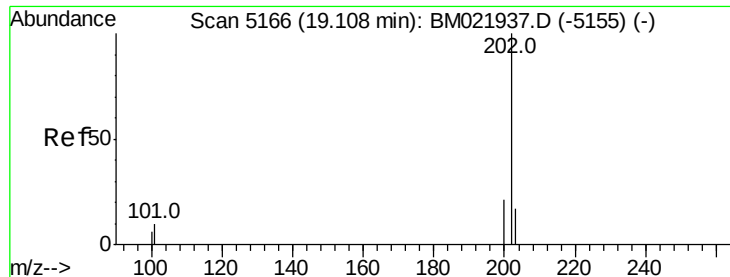
Tot Ion:178 Resp: 4572
Ion Ratio Lower Upper
178 100
179 17.6 14.2 21.2
176 21.6 16.8 25.2



#13
Anthracene
Concen: 0.377 ng/ul
RT: 17.18 min Scan# 4627
Delta R.T. 0.00 min
Lab File: BM021951.D
Acq: 09 Aug 2019 02:01

Tgt Ion:178 Resp: 4043
Ion Ratio Lower Upper
178 100
179 17.4 15.5 23.3
176 21.7 16.6 25.0

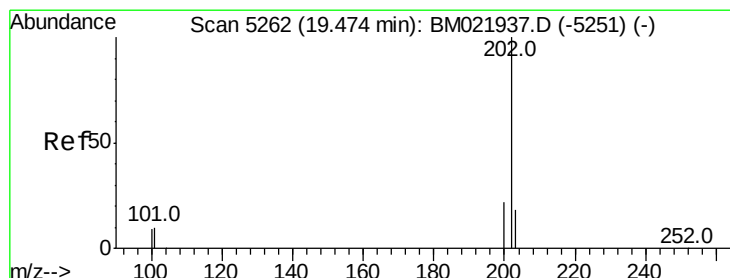
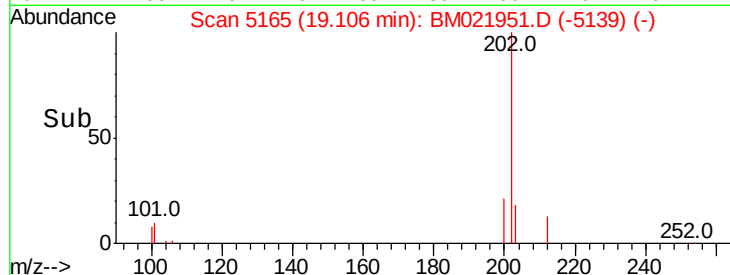
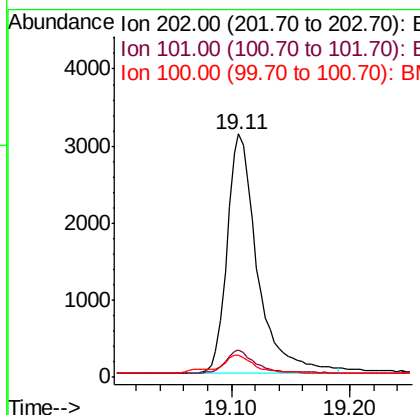
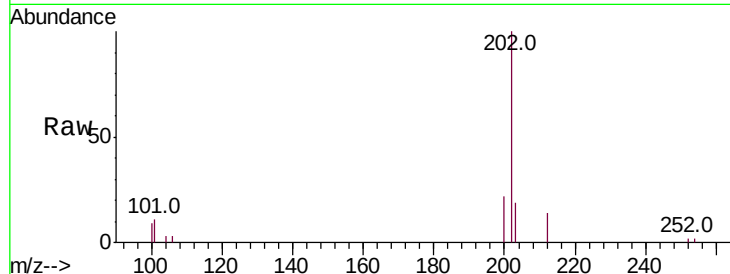




#15
Fluoranthene
Concen: 0.328 ng/ul
RT: 19.11 min Scan# 5165
Delta R.T. -0.00 min
Lab File: BM021951.D
Acq: 09 Aug 2019 02:01

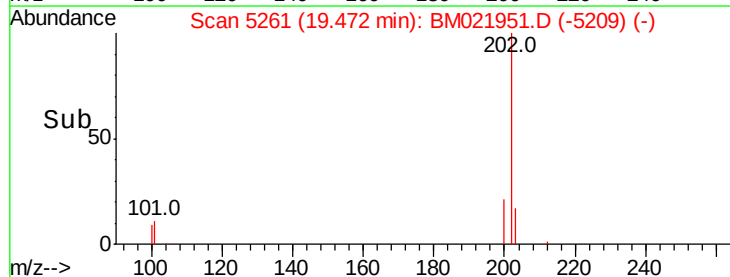
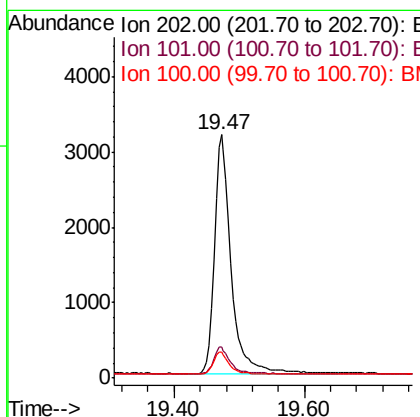
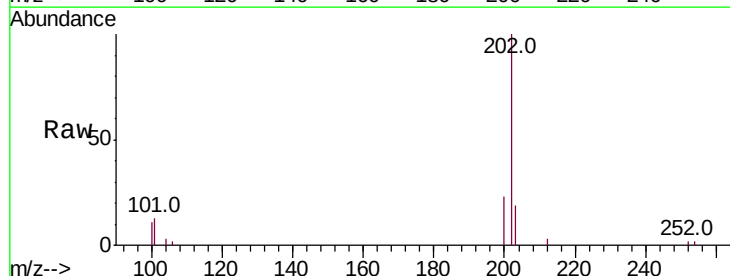
Instrument :
BNA_M
ClientSampleId :

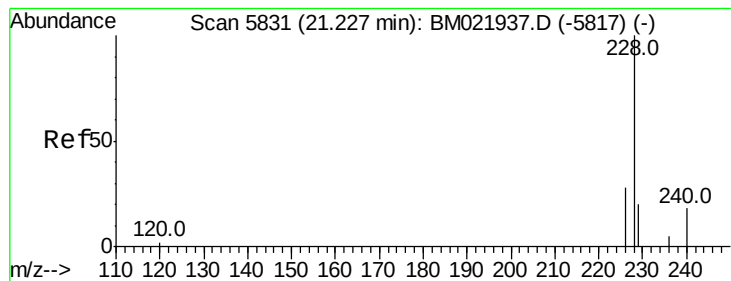
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	30.2
100	9.2	0.0	28.1



#17
Pyrene
Concen: 0.363 ng/ul
RT: 19.47 min Scan# 5261
Delta R.T. -0.00 min
Lab File: BM021951.D
Acq: 09 Aug 2019 02:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	8.3	12.5#
100	10.7	7.2	10.8





#18

Benzo(a)anthracene

Concen: 0.360 ng/ul

RT: 21.22 min Scan# 5829

Delta R.T. -0.00 min

Lab File: BM021951.D

Acq: 09 Aug 2019 02:01

Instrument :

BNA_M

ClientSampleId :

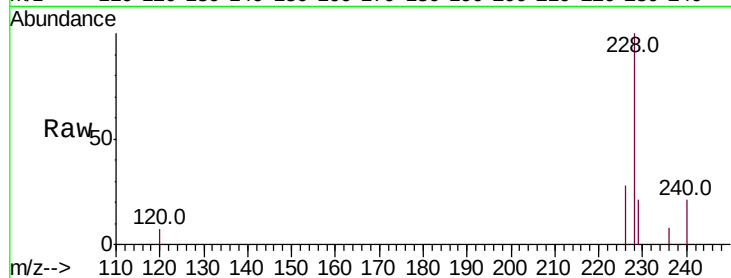
Tot Ion:228 Resp: 5023

Ion Ratio Lower Upper

228 100

229 20.5 17.2 25.8

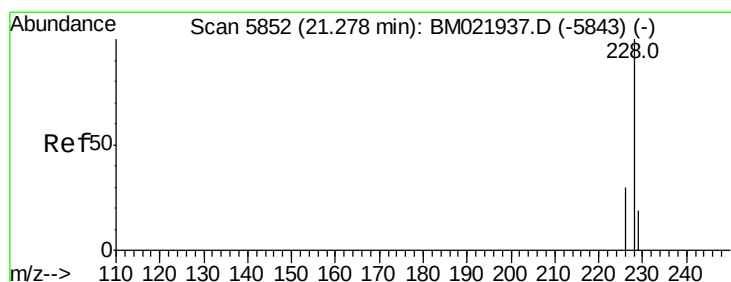
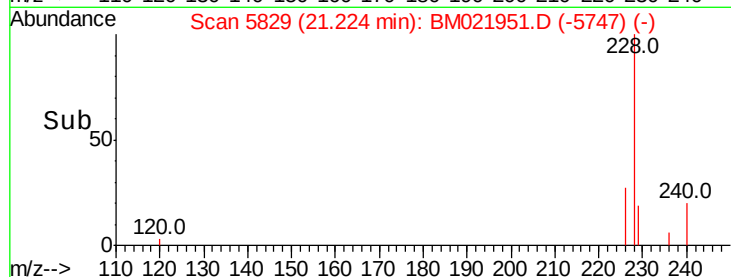
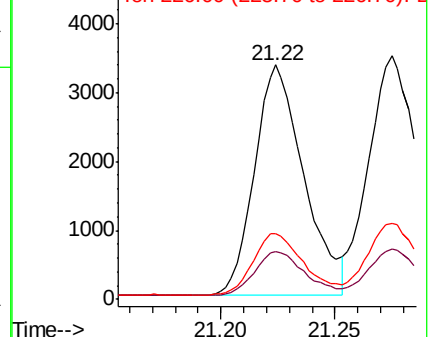
226 28.2 22.6 34.0



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: 0.345 ng/ul

RT: 21.27 min Scan# 5850

Delta R.T. -0.00 min

Lab File: BM021951.D

Acq: 09 Aug 2019 02:01

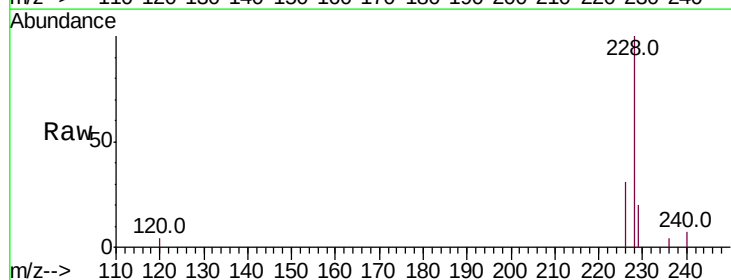
Tgt Ion:228 Resp: 6183

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

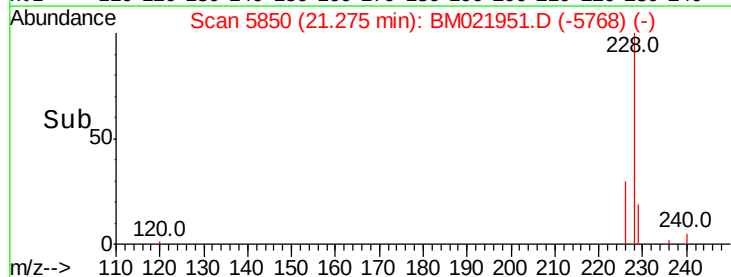
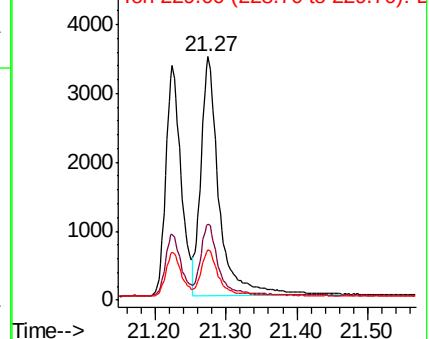
229 20.5 16.6 25.0

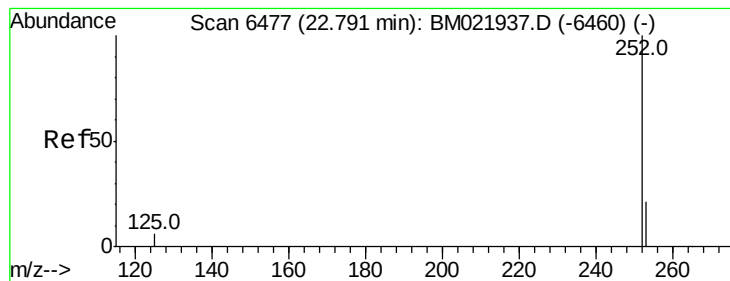


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.376 ng/ul

RT: 22.79 min Scan# 6475

Delta R.T. -0.00 min

Lab File: BM021951.D

Acq: 09 Aug 2019 02:01

Instrument :

BNA_M

ClientSampleId :

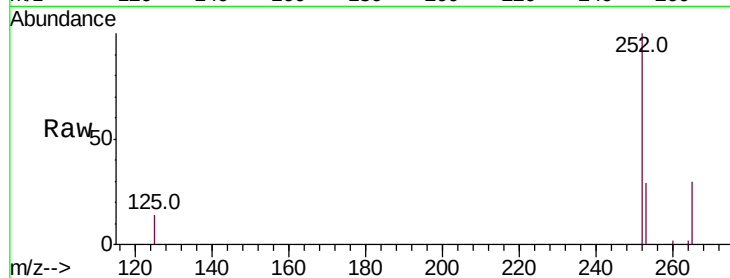
Tot Ion:252 Resp: 5582

Ion Ratio Lower Upper

252 100

253 29.5 0.0 67.4

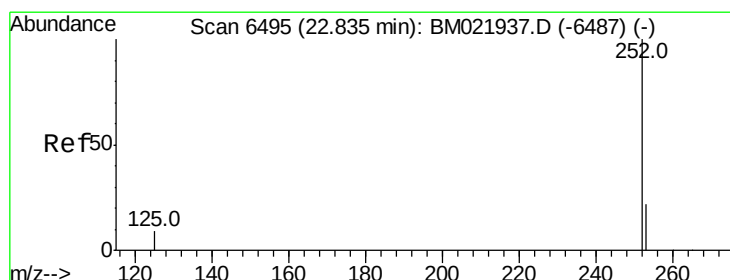
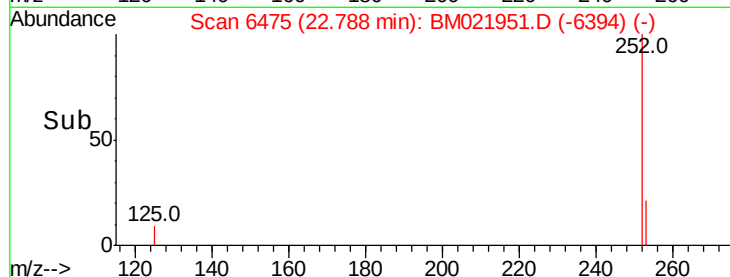
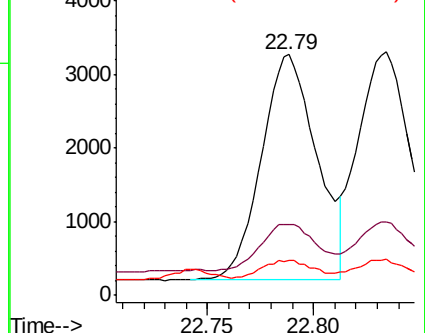
125 14.3 0.0 31.0



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: 0.359 ng/ul

RT: 22.83 min Scan# 6494

Delta R.T. -0.00 min

Lab File: BM021951.D

Acq: 09 Aug 2019 02:01

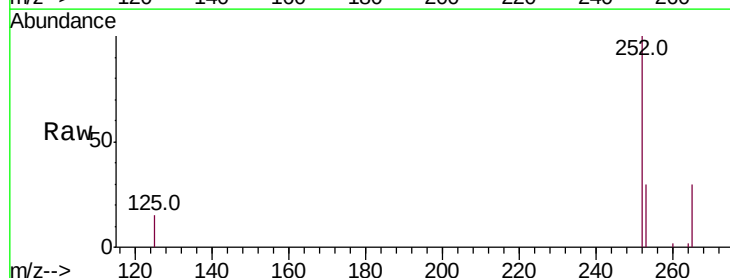
Tgt Ion:252 Resp: 6039

Ion Ratio Lower Upper

252 100

253 30.4 27.0 40.4

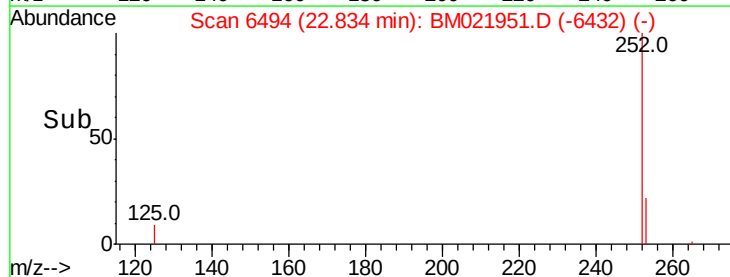
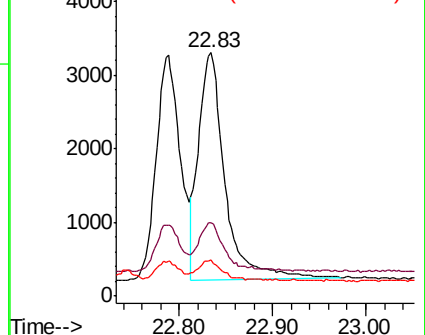
125 14.8 12.2 18.2

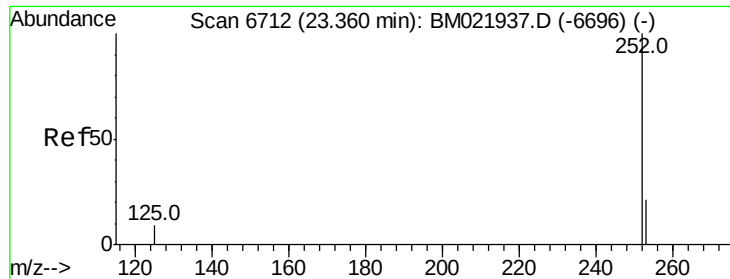


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.358 ng/ul

RT: 23.36 min Scan# 6711

Delta R.T. -0.00 min

Lab File: BM021951.D

Acq: 09 Aug 2019 02:01

Instrument :

BNA_M

ClientSampleId :

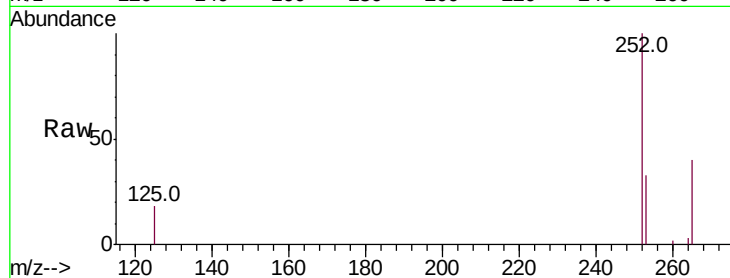
Tot Ion:252 Resp: 5412

Ion Ratio Lower Upper

252 100

253 33.3 31.7 47.5

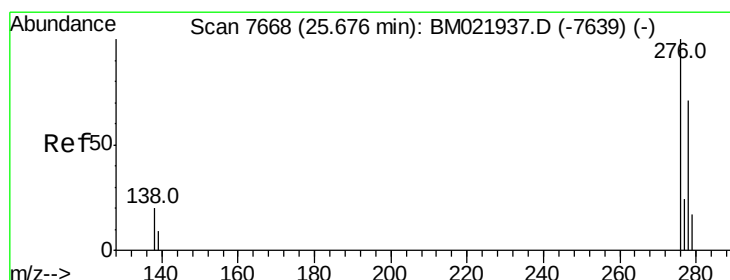
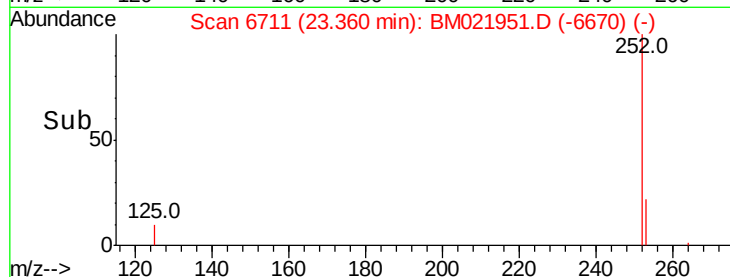
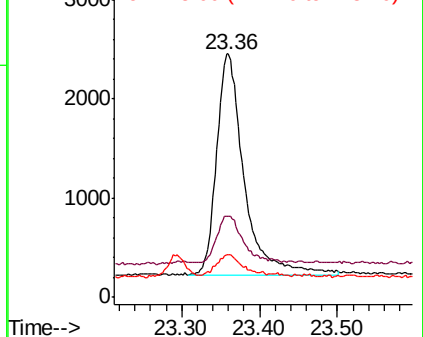
125 17.6 14.6 21.8



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: 0.362 ng/ul

RT: 25.67 min Scan# 7665

Delta R.T. -0.01 min

Lab File: BM021951.D

Acq: 09 Aug 2019 02:01

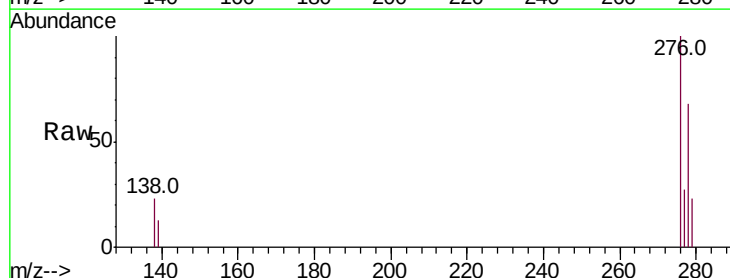
Tgt Ion:276 Resp: 6535

Ion Ratio Lower Upper

276 100

138 21.2 15.1 22.7

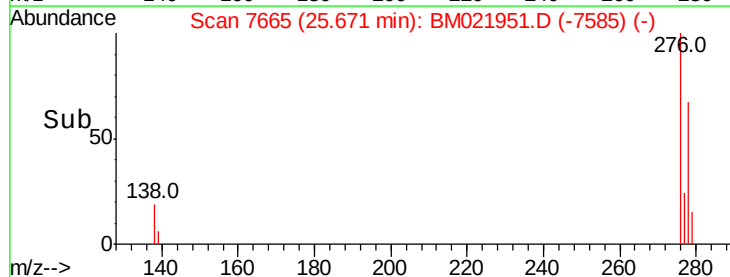
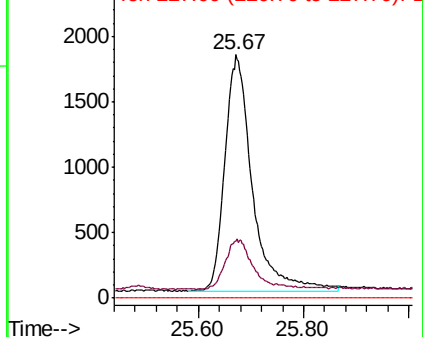
227 0.0 0.0 0.0

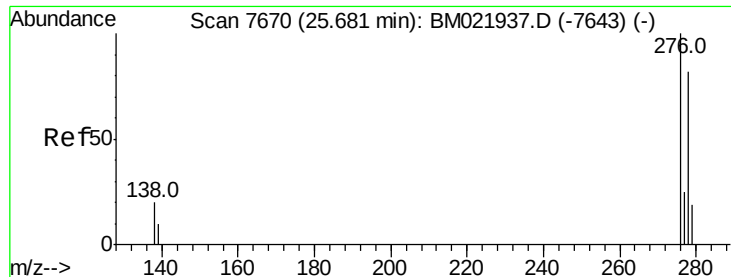


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



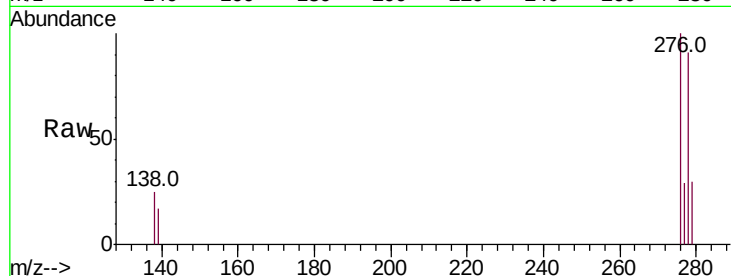


#25

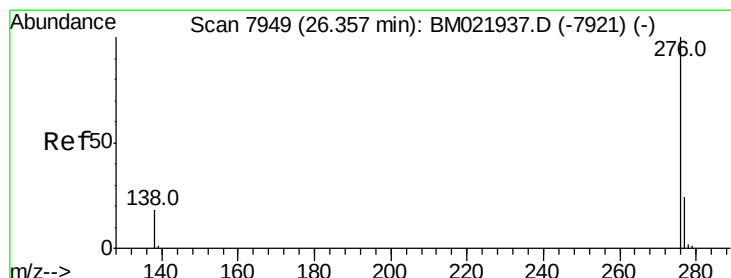
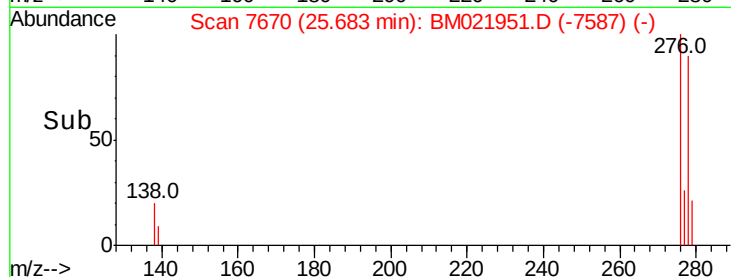
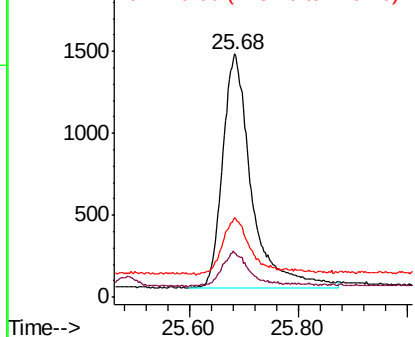
Dibenzo(a,h)anthracene
Concen: 0.360 ng/ul
RT: 25.68 min Scan# 7670
Delta R.T. 0.00 min
Lab File: BM021951.D
Acq: 09 Aug 2019 02:01

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 5244
Ion Ratio Lower Upper
278 100
139 18.2 14.2 21.2
279 32.6 28.3 42.5



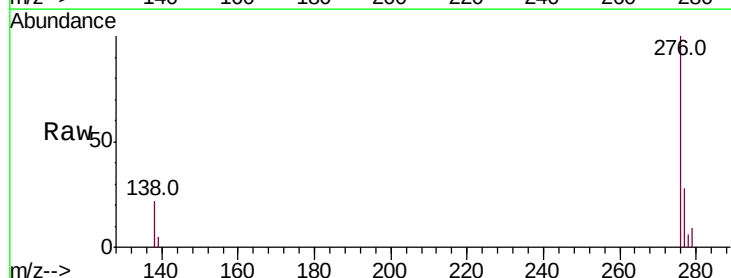
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene
Concen: 0.352 ng/ul
RT: 26.35 min Scan# 7946
Delta R.T. -0.01 min
Lab File: BM021951.D
Acq: 09 Aug 2019 02:01

Tgt Ion:276 Resp: 5721
Ion Ratio Lower Upper
276 100
138 22.4 15.5 23.3
277 27.8 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

