

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM071719\
 Data File : BM021529.D
 Acq On : 18 Jul 2019 18:30
 Operator : HP/JU
 Sample : K3822-10
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF4B1

Quant Time: Jul 19 00:43:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 19 00:39:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	190134	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	726071	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.36	164	413367	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.12	188	880201	20.00	ng/ul	0.00
77) Chrysene-d12	21.30	240	806383	20.00	ng/ul	0.00
85) Perylene-d12	23.56	264	925817	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	6363	1.65	ng/uL	0.00
5) Phenol-d5	6.89	99	134952	9.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	297224	33.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	372366	29.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.43	113	237955	20.21	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	248178	41.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.60	143	249141	36.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.14	165	454362	33.69	ng/ul	0.01
29) 4-Chloroaniline-d4	10.69	131	120420	9.87	ng/ul	0.03
43) Dimethylphthalate-d6	13.78	166	1326697	36.65	ng/ul	0.00
46) Acenaphthylene-d8	14.06	160	1558886	34.29	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	34333	5.98	ng/ul	0.00
57) Fluorene-d10	15.36	176	1134494	35.11	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.50	200	151825	25.66	ng/ul	0.00
70) Anthracene-d10	17.22	188	1698665	37.15	ng/ul	0.00
78) Pyrene-d10	19.51	212	1784204	40.32	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.41	264	1981709	37.22	ng/ul	0.00

Target Compounds

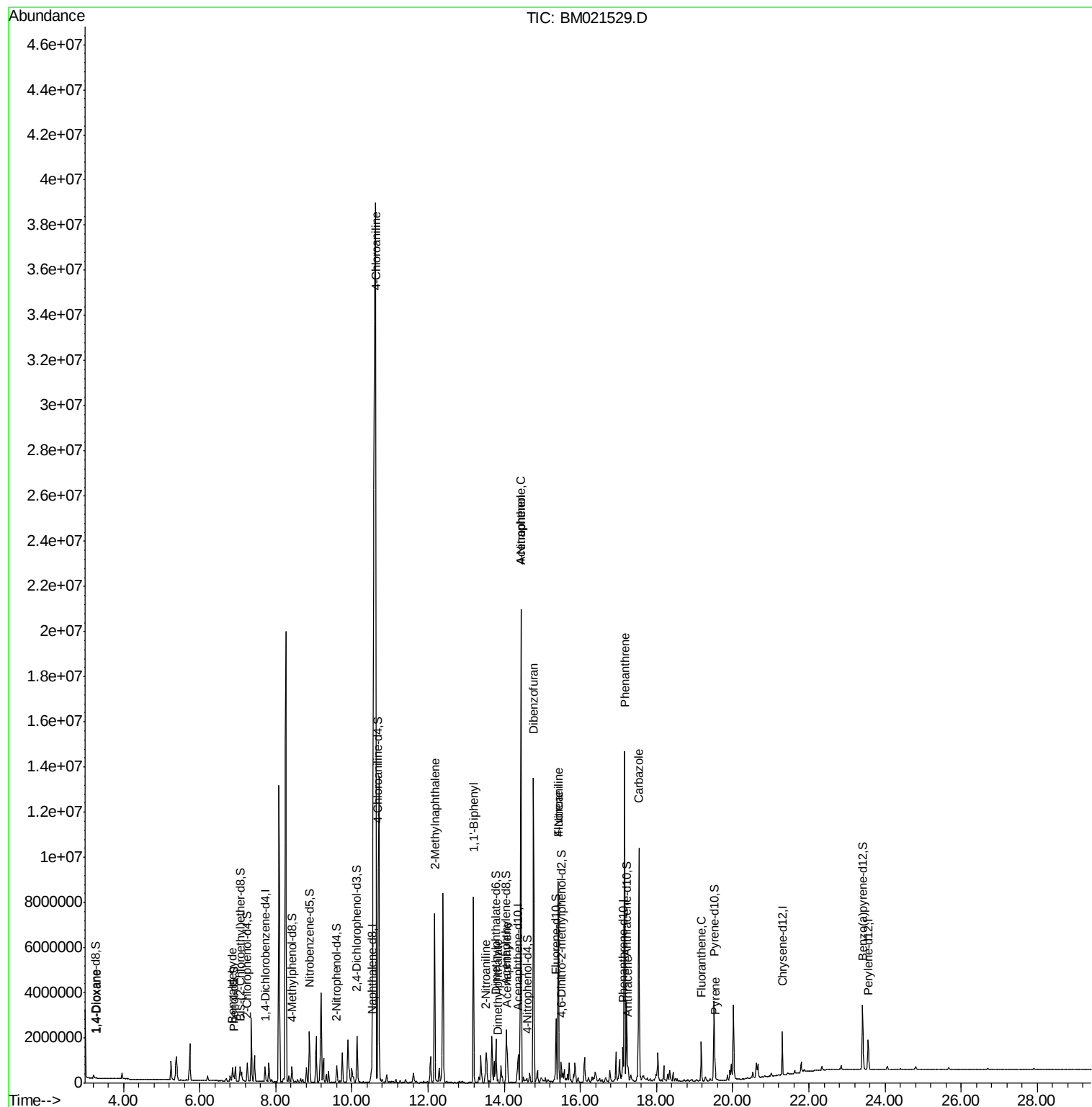
					Qvalue	
2) 1,4-Dioxane	3.29	88	18033	4.445	ng/uL	95
4) Benzaldehyde	6.86	77	43327	5.429	ng/ul#	1
30) 4-Chloroaniline	10.62	127	12732129	1092.292	ng/ul#	13
34) 2-Methylnaphthalene	12.17	142	3636295	130.553	ng/ul	99
40) 1,1'-Biphenyl	13.19	154	4312206	124.640	ng/ul	99
42) 2-Nitroaniline	13.52	65	11458	1.891	ng/ul#	22
44) Dimethylphthalate	13.83	163	90240	2.677	ng/ul	99
47) Acenaphthylene	14.08	152	442553	11.191	ng/ul#	95
49) Acenaphthene	14.44	153	9216884	320.741	ng/ul	99
52) 4-Nitrophenol	14.44	109	14805	3.464	ng/ul#	1
53) Dibenzofuran	14.77	168	9499689	228.207	ng/ul	100
58) Fluorene	15.42	166	3947532	117.214	ng/ul	100
60) 4-Nitroaniline	15.42	138	42445	7.486	ng/ul#	20
69) Phenanthrene	17.16	178	9199581	185.360	ng/ul	98
71) Anthracene	17.24	178	492089	9.742	ng/ul	97
74) Carbazole	17.53	167	6830788	162.916	ng/ul	99
76) Fluoranthene	19.17	202	1008564	17.114	ng/ul	100
79) Pyrene	19.54	202	557809	10.452	ng/ul	98

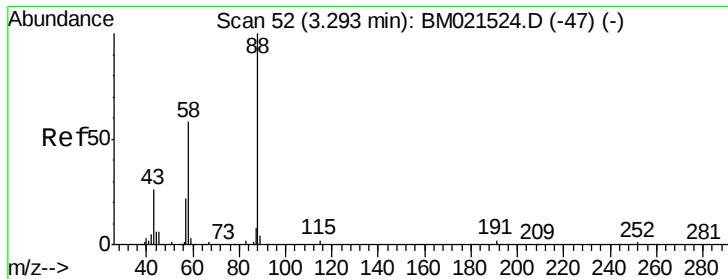
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 19 00:39:42 2019
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 4.445 ng/uL

RT: 3.29 min Scan# 52

Delta R.T. -0.00 min

Lab File: BM021529.D

Acq: 18 Jul 2019 18:30

Instrument :

BNA_M

ClientSampleId :

BF4B1

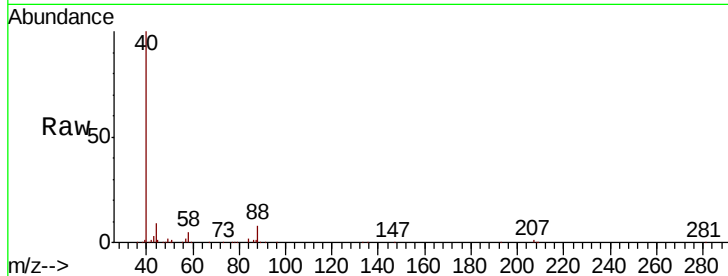
Tgt Ion: 88 Resp: 18033

Ion Ratio Lower Upper

88 100

43 34.6 23.4 35.2

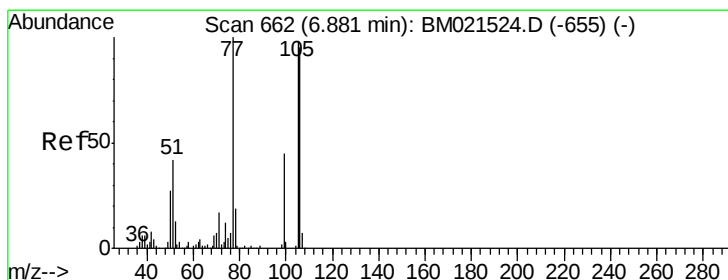
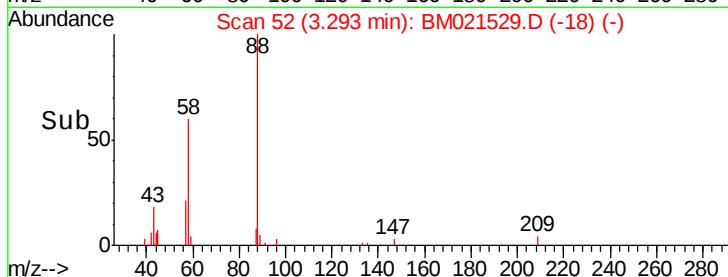
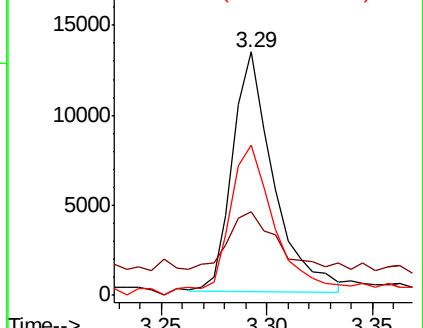
58 61.5 50.6 75.8



Abundance Ion 88.00 (87.70 to 88.70): BM021529.D (-18) (-)

Ion 43.00 (42.70 to 43.70): BM021529.D (-18) (-)

Ion 58.00 (57.70 to 58.70): BM021529.D (-18) (-)



#4

Benzaldehyde

Concen: 5.429 ng/uL

RT: 6.86 min Scan# 659

Delta R.T. -0.02 min

Lab File: BM021529.D

Acq: 18 Jul 2019 18:30

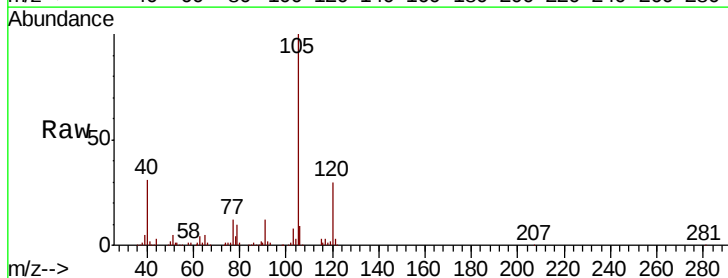
Tgt Ion: 77 Resp: 43327

Ion Ratio Lower Upper

77 100

105 865.9 76.8 115.2#

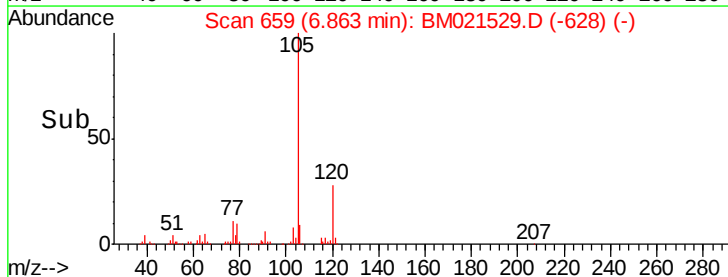
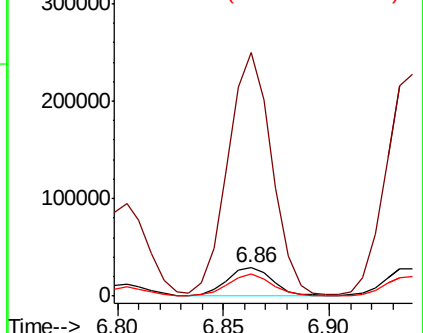
106 80.0 71.4 107.2

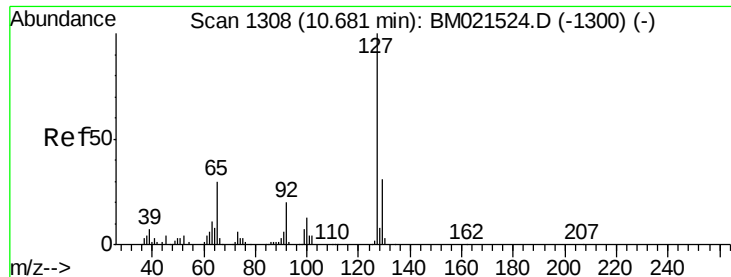


Abundance Ion 77.00 (76.70 to 77.70): BM021529.D (-628) (-)

Ion 105.00 (104.70 to 105.70): BM021529.D (-628) (-)

Ion 106.00 (105.70 to 106.70): BM021529.D (-628) (-)





#30

4-Chloroaniline

Concen: 1092.292 ng/ul

RT: 10.62 min Scan# 1298

Delta R.T. -0.06 min

Lab File: BM021529.D

Acq: 18 Jul 2019 18:30

Instrument :

BNA_M

ClientSampleId :

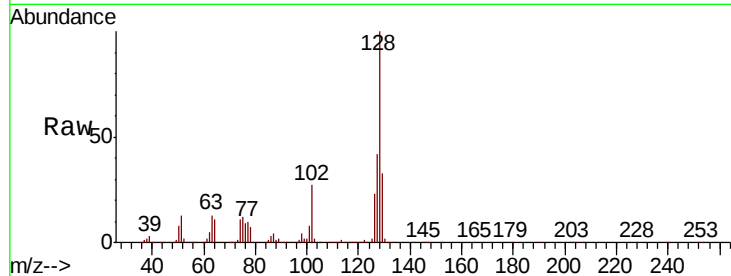
BF4B1

Tgt Ion:127 Resp:12732129

Ion Ratio Lower Upper

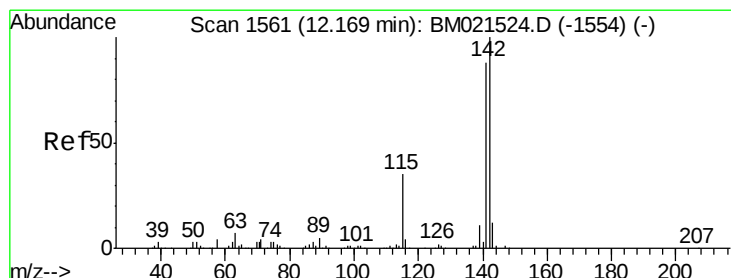
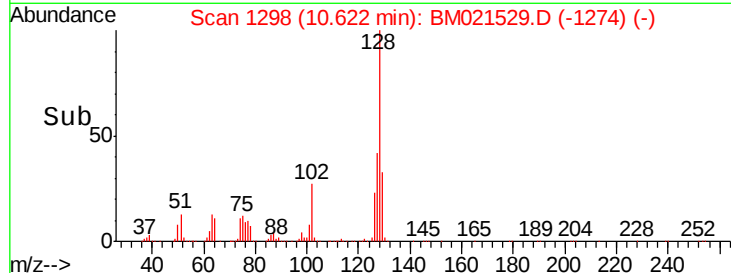
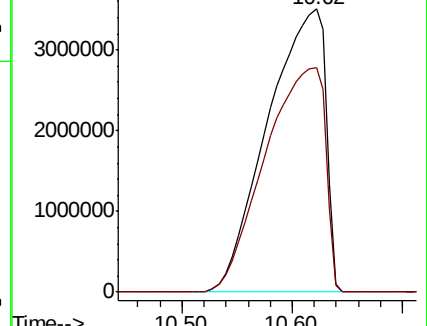
127 100

129 79.3 25.0 37.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



#34

2-Methylnaphthalene

Concen: 130.553 ng/ul

RT: 12.17 min Scan# 1562

Delta R.T. 0.01 min

Lab File: BM021529.D

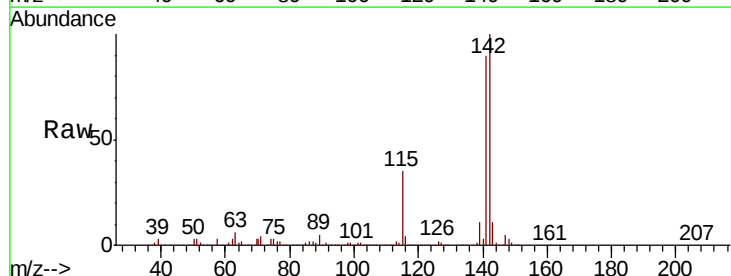
Acq: 18 Jul 2019 18:30

Tgt Ion:142 Resp: 3636295

Ion Ratio Lower Upper

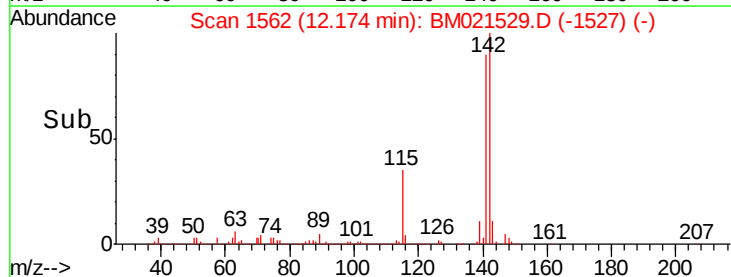
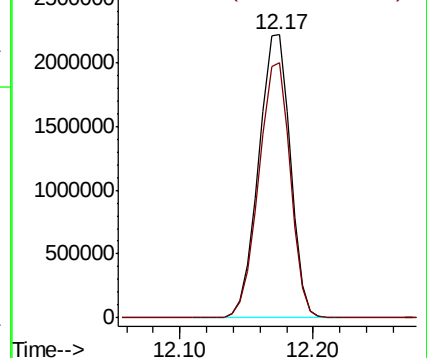
142 100

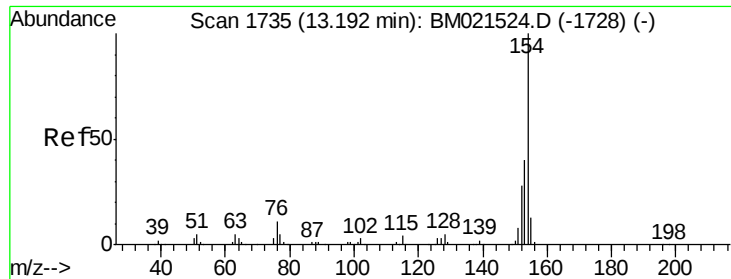
141 90.2 71.1 106.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

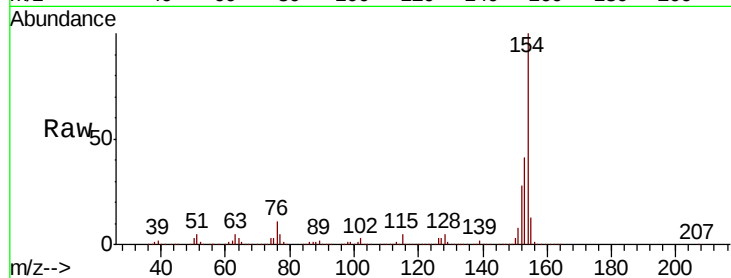




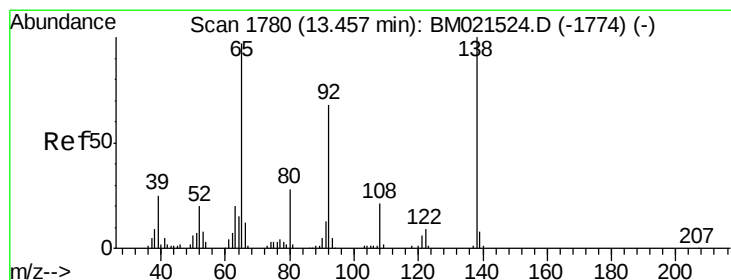
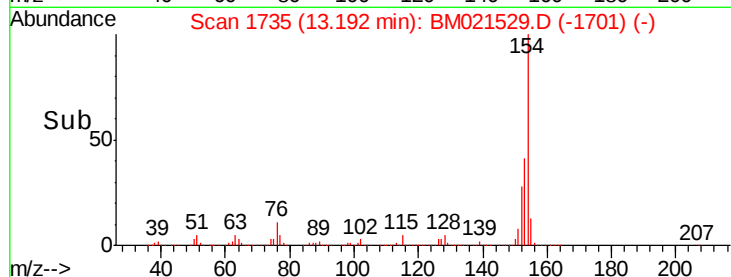
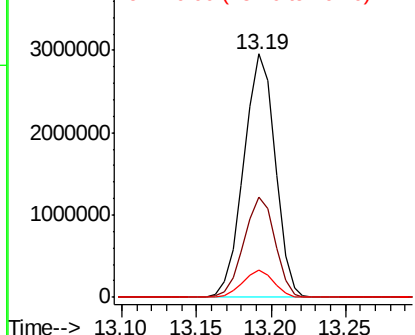
#40
1,1'-Biphenyl
Concen: 124.640 ng/ul
RT: 13.19 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BM021529.D
Acq: 18 Jul 2019 18:30

Instrument :
BNA_M
ClientSampleId :
BF4B1

Tgt Ion:154 Resp: 4312206
Ion Ratio Lower Upper
154 100
153 41.3 32.7 49.1
76 11.0 8.5 12.7

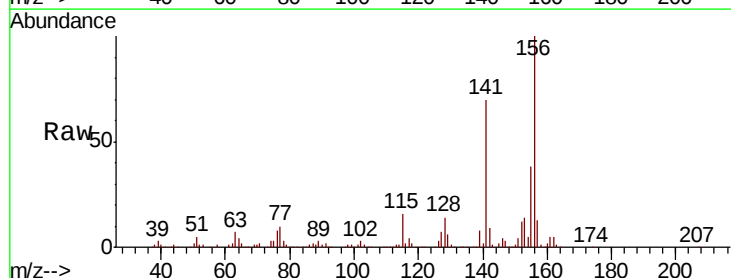


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM

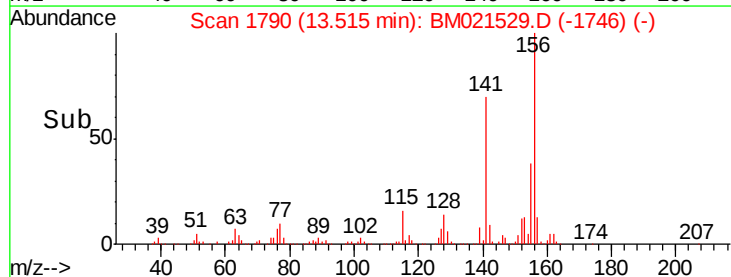
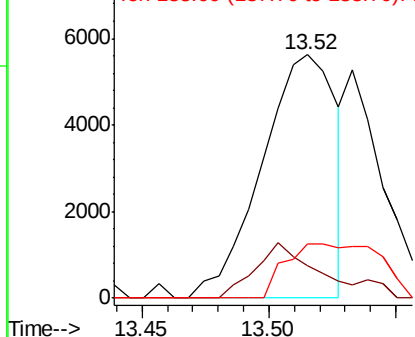


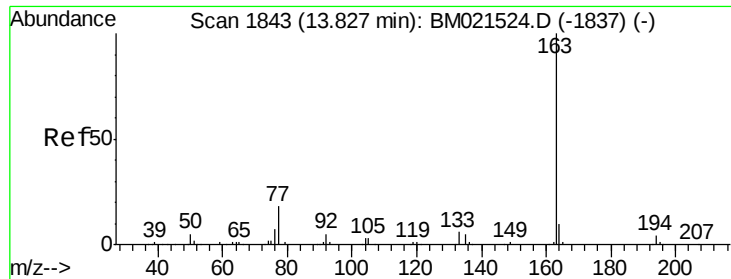
#42
2-Nitroaniline
Concen: 1.891 ng/ul
RT: 13.52 min Scan# 1790
Delta R.T. 0.06 min
Lab File: BM021529.D
Acq: 18 Jul 2019 18:30

Tgt Ion: 65 Resp: 11458
Ion Ratio Lower Upper
65 100
92 13.3 57.4 86.2#
138 22.3 89.0 133.6#



Abundance Ion 65.00 (64.70 to 65.70): BM
Ion 92.00 (91.70 to 92.70): BM
Ion 138.00 (137.70 to 138.70): E

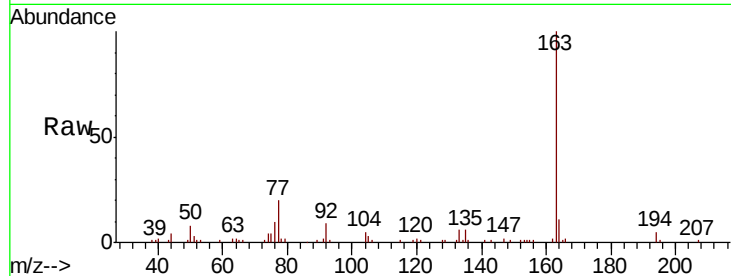




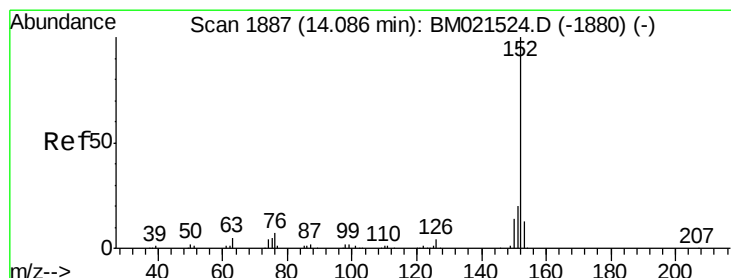
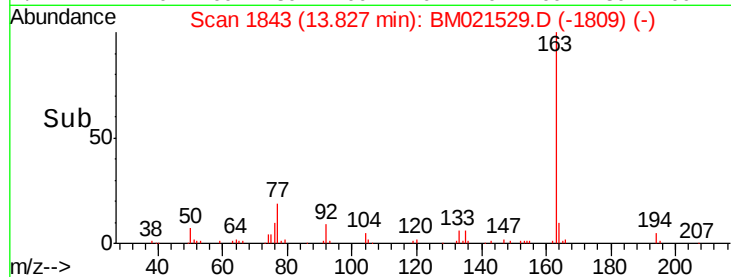
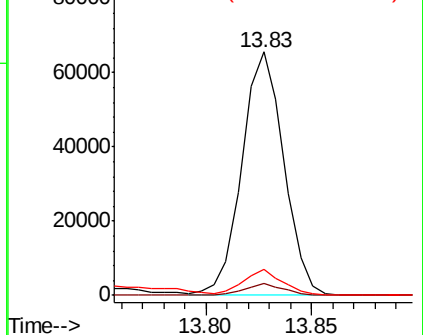
#44
Dimethylphthalate
Concen: 2.677 ng/ul
RT: 13.83 min Scan# 1843
Delta R.T. -0.00 min
Lab File: BM021529.D
Acq: 18 Jul 2019 18:30

Instrument :
BNA_M
ClientSampleId :
BF4B1

Tgt Ion:163 Resp: 90240
Ion Ratio Lower Upper
163 100
194 5.0 3.6 5.4
164 10.5 8.3 12.5

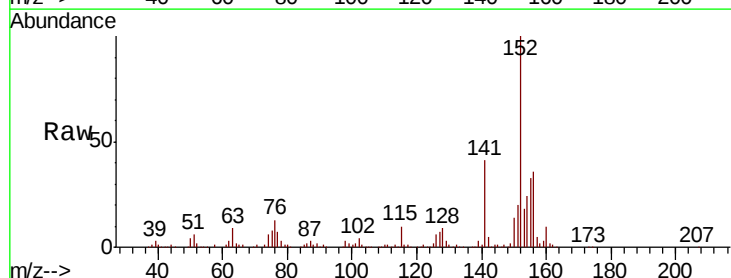


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

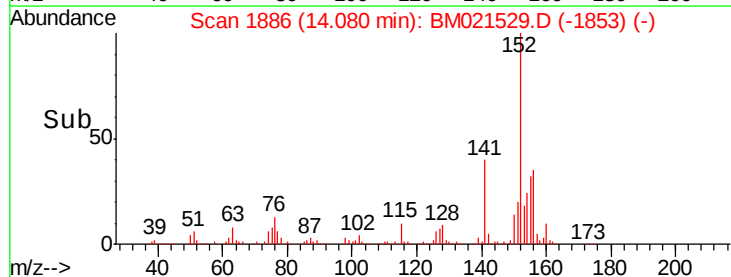
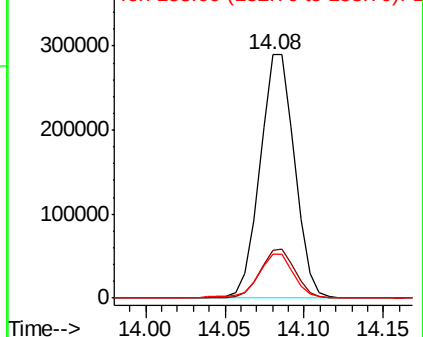


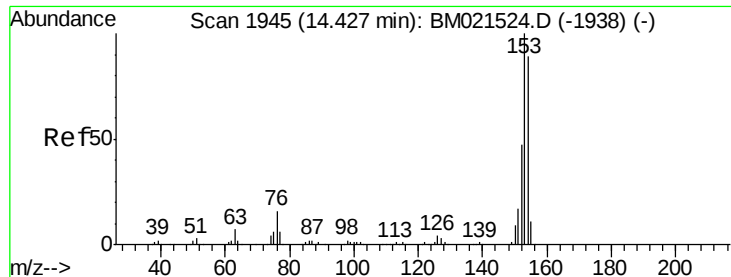
#47
Acenaphthylene
Concen: 11.191 ng/ul
RT: 14.08 min Scan# 1886
Delta R.T. -0.01 min
Lab File: BM021529.D
Acq: 18 Jul 2019 18:30

Tgt Ion:152 Resp: 442553
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.8
153 18.2 10.6 15.8#



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





#49

Acenaphthene

Concen: 320.741 ng/ul

RT: 14.44 min Scan# 1947

Delta R.T. 0.01 min

Lab File: BM021529.D

Acq: 18 Jul 2019 18:30

Instrument :

BNA_M

ClientSampleId :

BF4B1

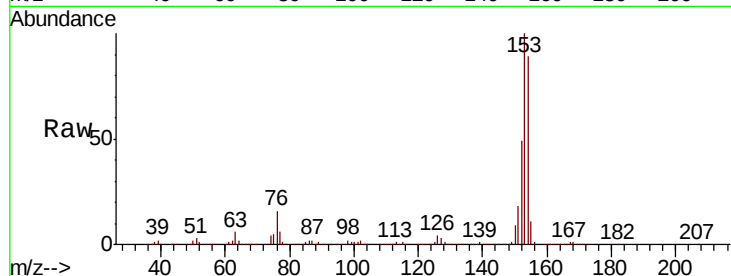
Tgt Ion:153 Resp: 9216884

Ion Ratio Lower Upper

153 100

152 48.6 38.2 57.4

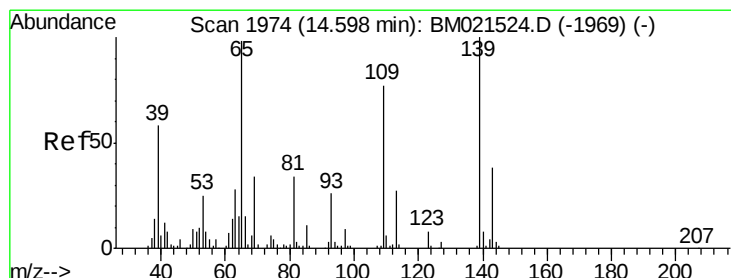
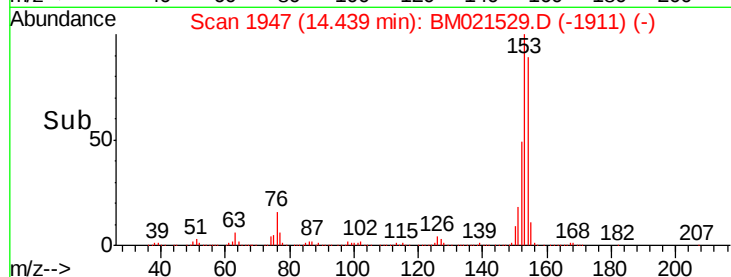
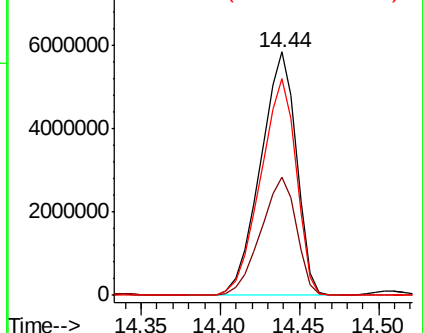
154 89.0 70.0 105.0



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



#52

4-Nitrophenol

Concen: 3.464 ng/ul

RT: 14.44 min Scan# 1947

Delta R.T. -0.16 min

Lab File: BM021529.D

Acq: 18 Jul 2019 18:30

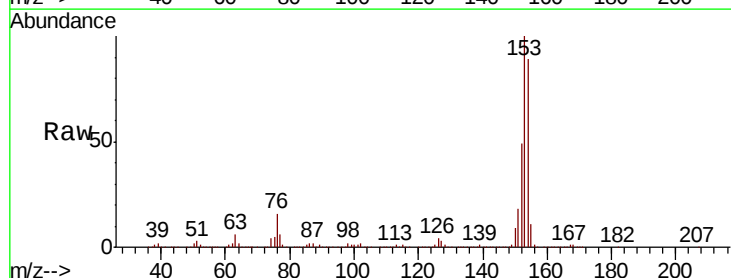
Tgt Ion:109 Resp: 14805

Ion Ratio Lower Upper

109 100

139 423.5 107.6 161.4#

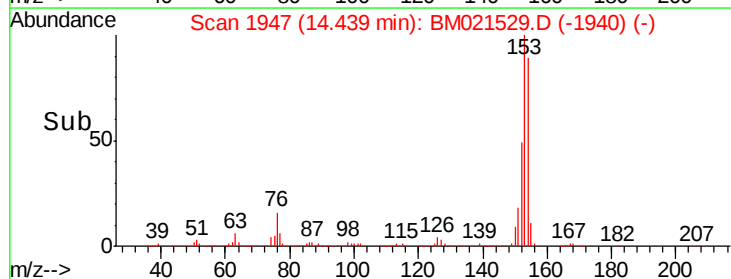
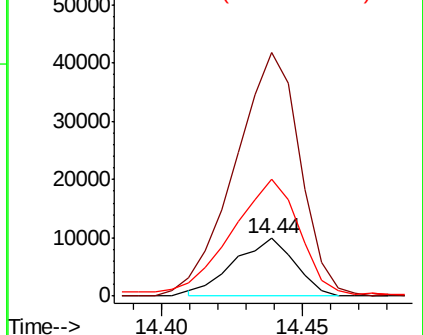
65 203.8 101.0 151.6#

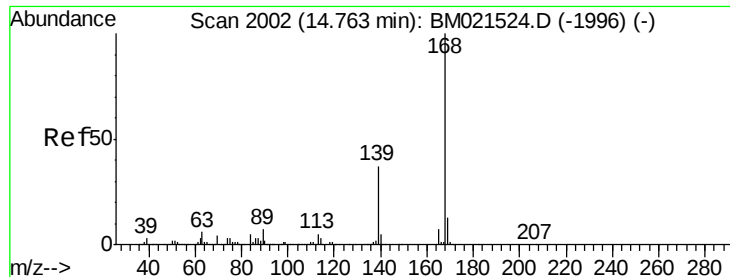


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM





#53

Dibenzenofuran

Concen: 228.207 ng/ul

RT: 14.77 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BM021529.D

Acq: 18 Jul 2019 18:30

Instrument :

BNA_M

ClientSampleId :

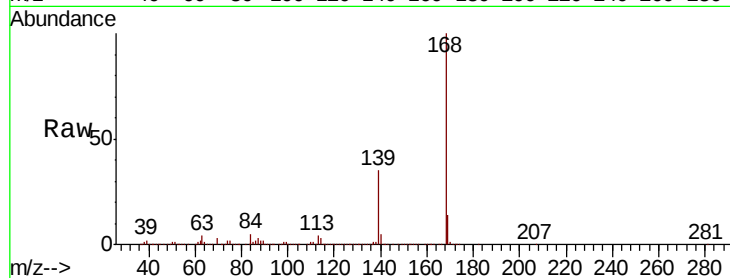
BF4B1

Tgt Ion:168 Resp: 9499689

Ion Ratio Lower Upper

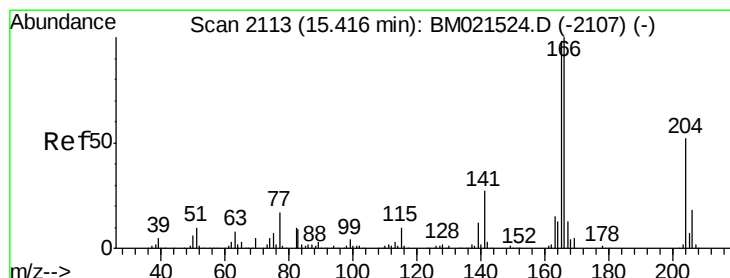
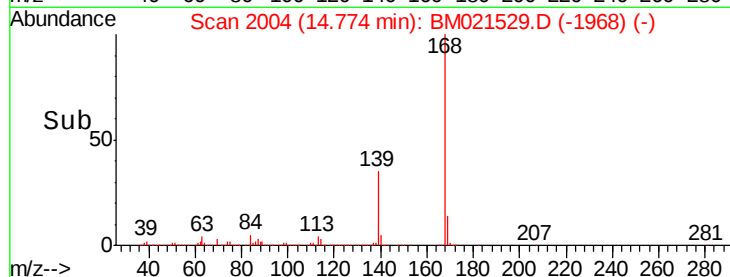
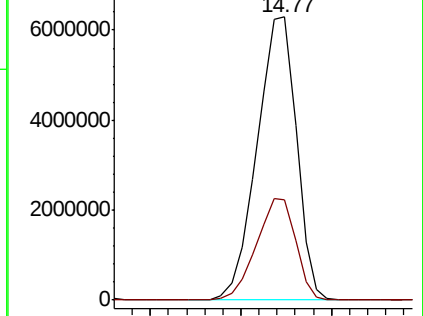
168 100

139 35.4 28.4 42.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 117.214 ng/ul

RT: 15.42 min Scan# 2114

Delta R.T. 0.01 min

Lab File: BM021529.D

Acq: 18 Jul 2019 18:30

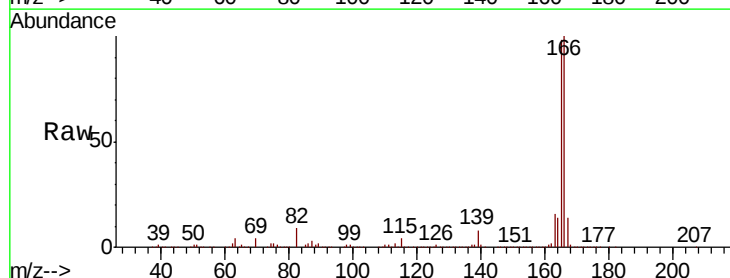
Tgt Ion:166 Resp: 3947532

Ion Ratio Lower Upper

166 100

165 97.9 78.6 117.8

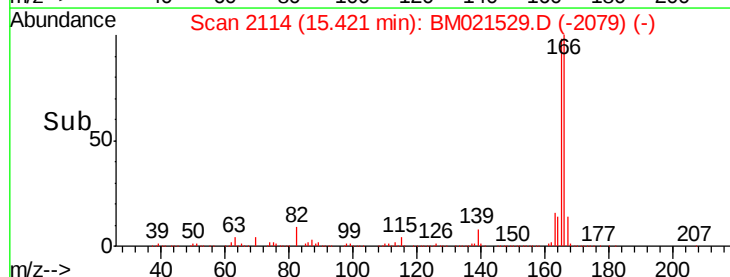
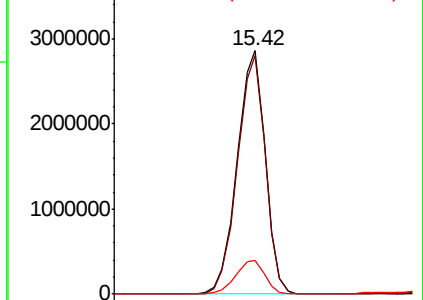
167 13.8 10.7 16.1

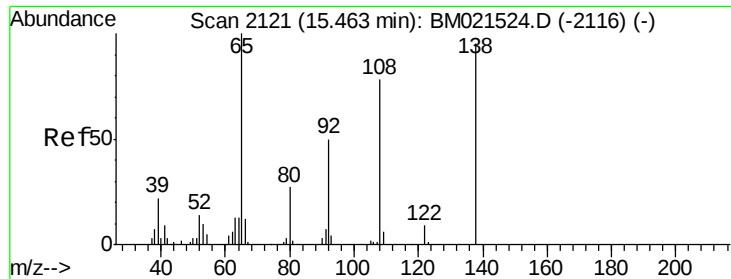


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#60

4-Nitroaniline

Concen: 7.486 ng/ul

RT: 15.42 min Scan# 2114

Delta R.T. -0.04 min

Lab File: BM021529.D

Acq: 18 Jul 2019 18:30

Instrument :

BNA_M

ClientSampleId :

BF4B1

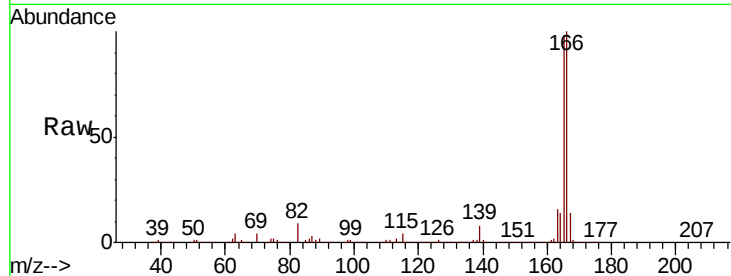
Tgt Ion:138 Resp: 42445

Ion Ratio Lower Upper

138 100

92 1.7 41.3 61.9#

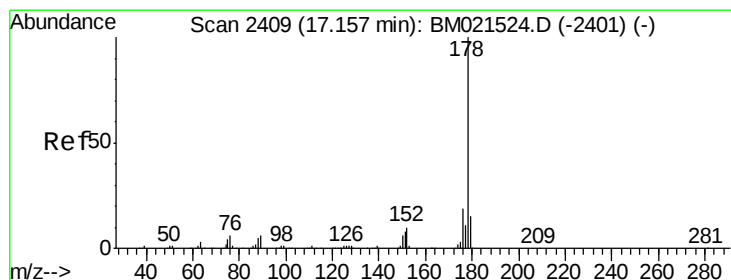
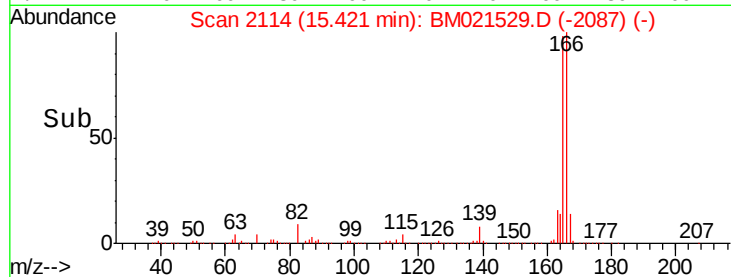
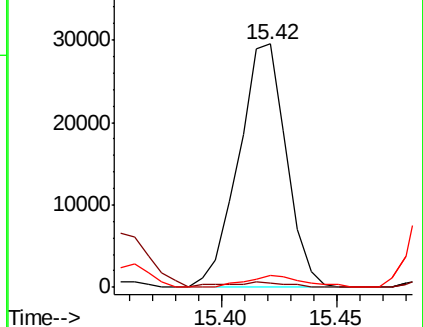
108 5.0 65.0 97.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E



#69

Phenanthrene

Concen: 185.360 ng/ul

RT: 17.16 min Scan# 2410

Delta R.T. 0.01 min

Lab File: BM021529.D

Acq: 18 Jul 2019 18:30

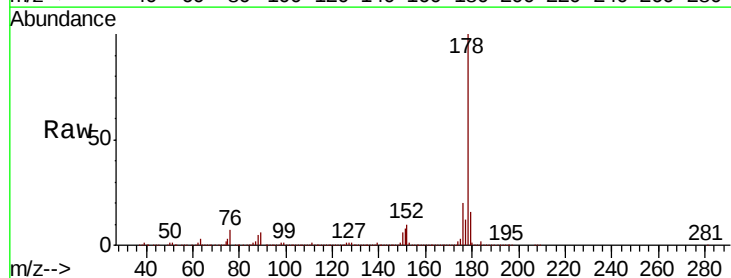
Tgt Ion:178 Resp: 9199581

Ion Ratio Lower Upper

178 100

179 16.3 12.2 18.2

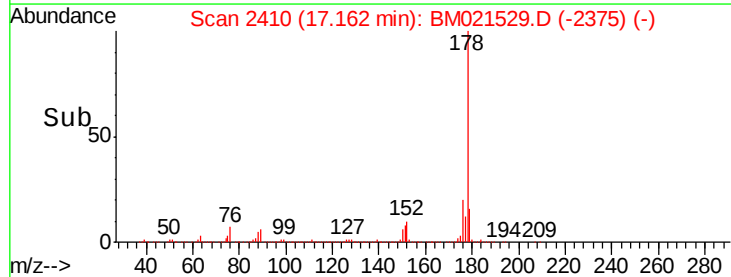
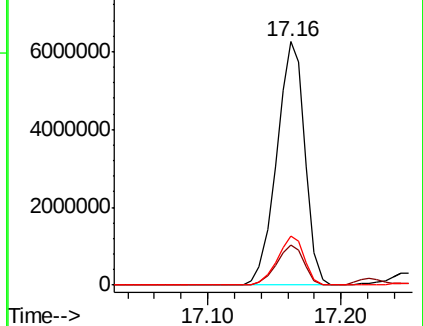
176 19.9 15.4 23.0

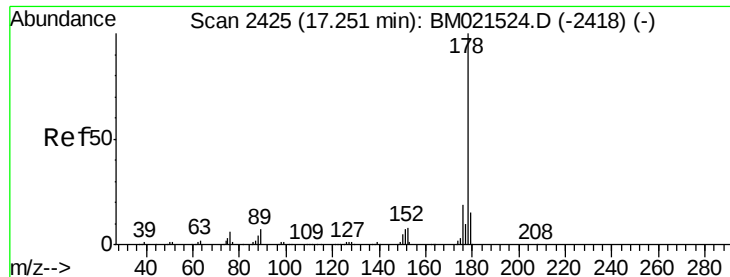


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

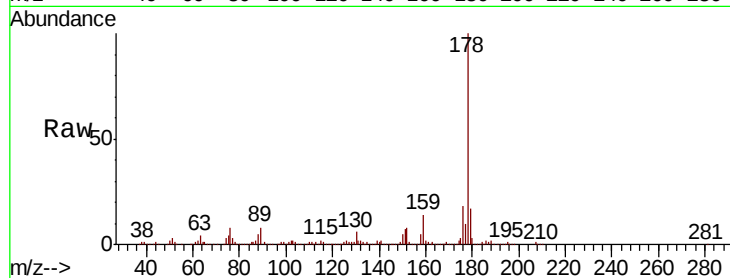




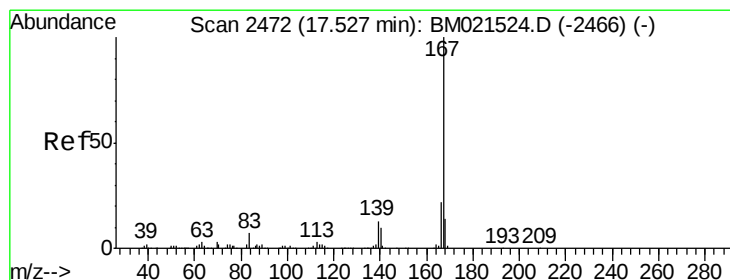
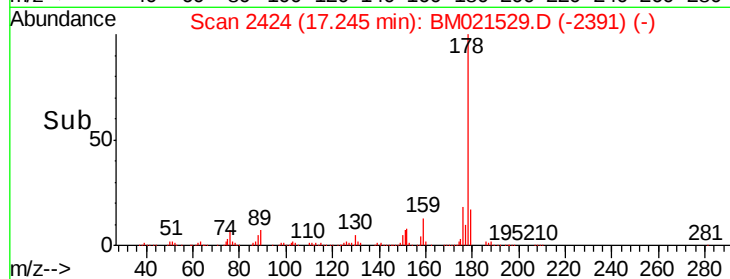
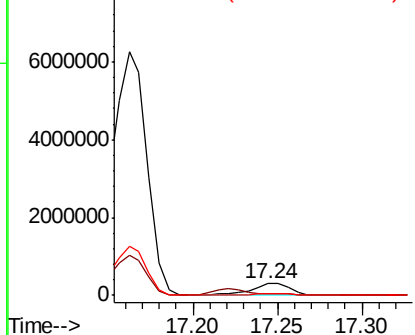
#71
 Anthracene
 Concen: 9.742 ng/ul
 RT: 17.24 min Scan# 2424
 Delta R.T. -0.01 min
 Lab File: BM021529.D
 Acq: 18 Jul 2019 18:30

Instrument :
 BNA_M
 ClientSampleId :
 BF4B1

Tgt Ion:178 Resp: 492089
 Ion Ratio Lower Upper
 178 100
 179 17.3 12.2 18.2
 176 18.1 14.9 22.3

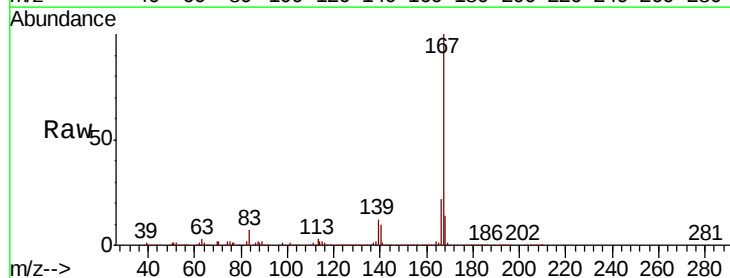


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

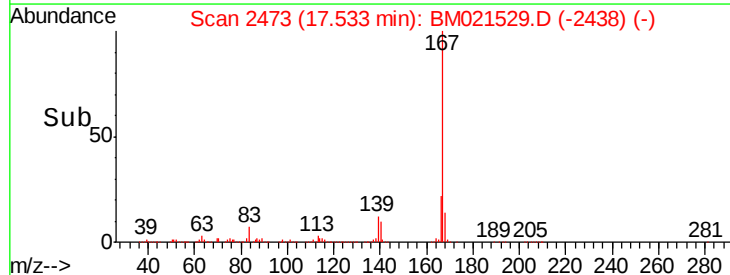
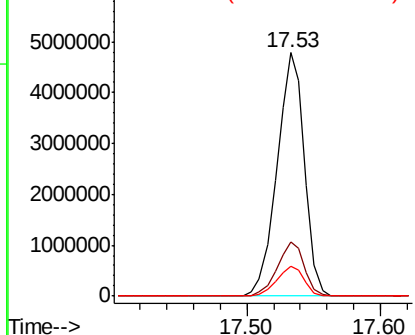


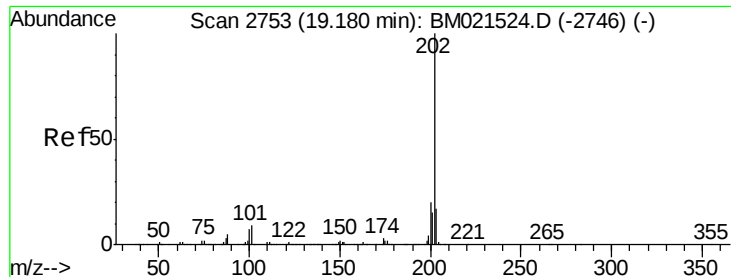
#74
 Carbazole
 Concen: 162.916 ng/ul
 RT: 17.53 min Scan# 2473
 Delta R.T. 0.01 min
 Lab File: BM021529.D
 Acq: 18 Jul 2019 18:30

Tgt Ion:167 Resp: 6830788
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.1 25.7
 139 12.3 9.7 14.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#76

Fluoranthene

Concen: 17.114 ng/ul

RT: 19.17 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BM021529.D

Acq: 18 Jul 2019 18:30

Instrument :

BNA_M

ClientSampleId :

BF4B1

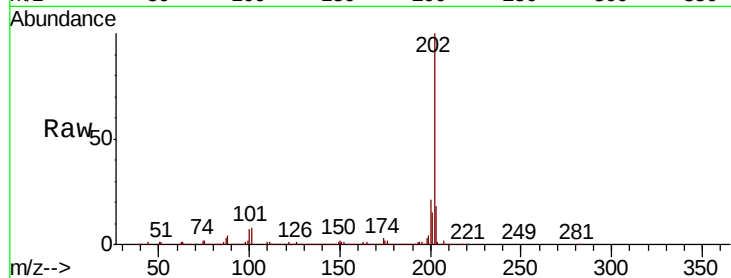
Tgt Ion:202 Resp: 1008564

Ion Ratio Lower Upper

202 100

101 8.5 6.7 10.1

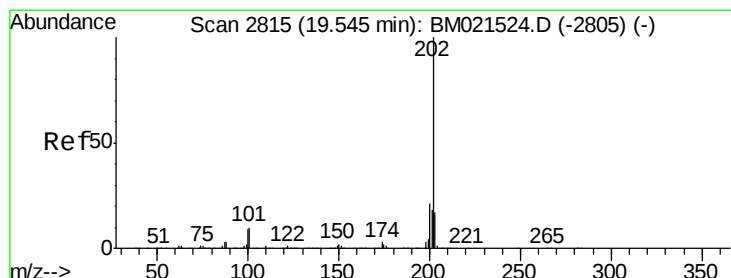
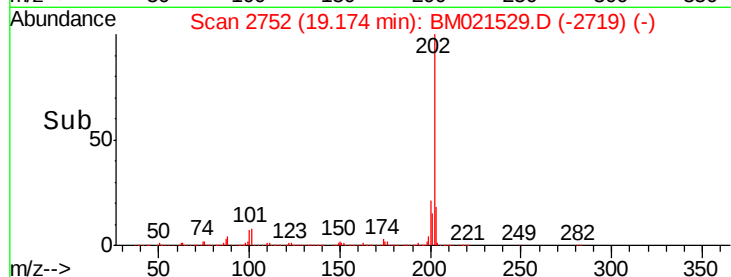
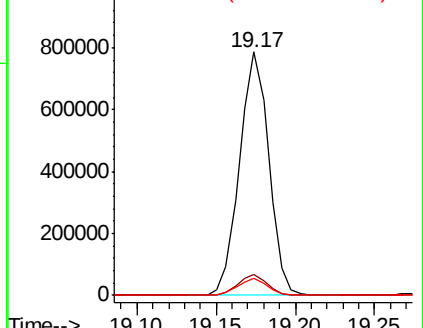
100 6.8 5.3 7.9



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



#79

Pyrene

Concen: 10.452 ng/ul

RT: 19.54 min Scan# 2814

Delta R.T. -0.01 min

Lab File: BM021529.D

Acq: 18 Jul 2019 18:30

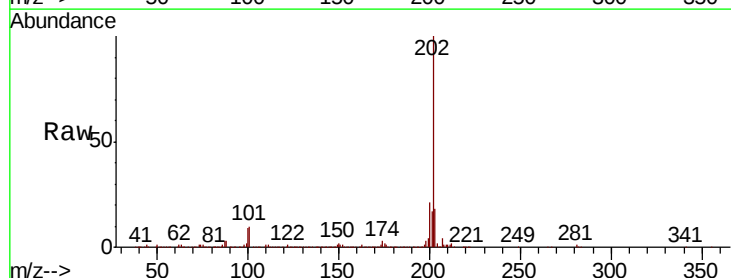
Tgt Ion:202 Resp: 557809

Ion Ratio Lower Upper

202 100

101 10.2 7.8 11.8

100 8.8 6.4 9.6



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

