

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062919\
 Data File : BM021292.D
 Acq On : 30 Jun 2019 11:08
 Operator : HP/JU
 Sample : K3590-11
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C5BB0

Quant Time: Jul 01 00:29:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jun 30 03:35:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	328932	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	1429884	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	877802	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	1873506	20.00	ng/ul	0.00
77) Chrysene-d12	21.34	240	1371655	20.00	ng/ul	0.00
85) Perylene-d12	23.61	264	1595209	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	21708	3.13	ng/uL	0.00
5) Phenol-d5	6.93	99	557714	19.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	322205	18.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.29	132	473453	20.35	ng/ul	0.00
13) 4-Methylphenol-d8	8.46	113	465459	19.48	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	248717	21.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	290591	22.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	554366	21.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	224942	8.23	ng/ul	0.00
43) Dimethylphthalate-d6	13.81	166	1700240	21.44	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	2060424	21.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	210159	16.29	ng/ul	0.00
57) Fluorene-d10	15.39	176	1477635	21.42	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	127304	11.05	ng/ul	0.00
70) Anthracene-d10	17.25	188	2114586	21.72	ng/ul	0.00
78) Pyrene-d10	19.55	212	1919701	23.32	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.47	264	1985644	21.10	ng/ul	0.01

Target Compounds

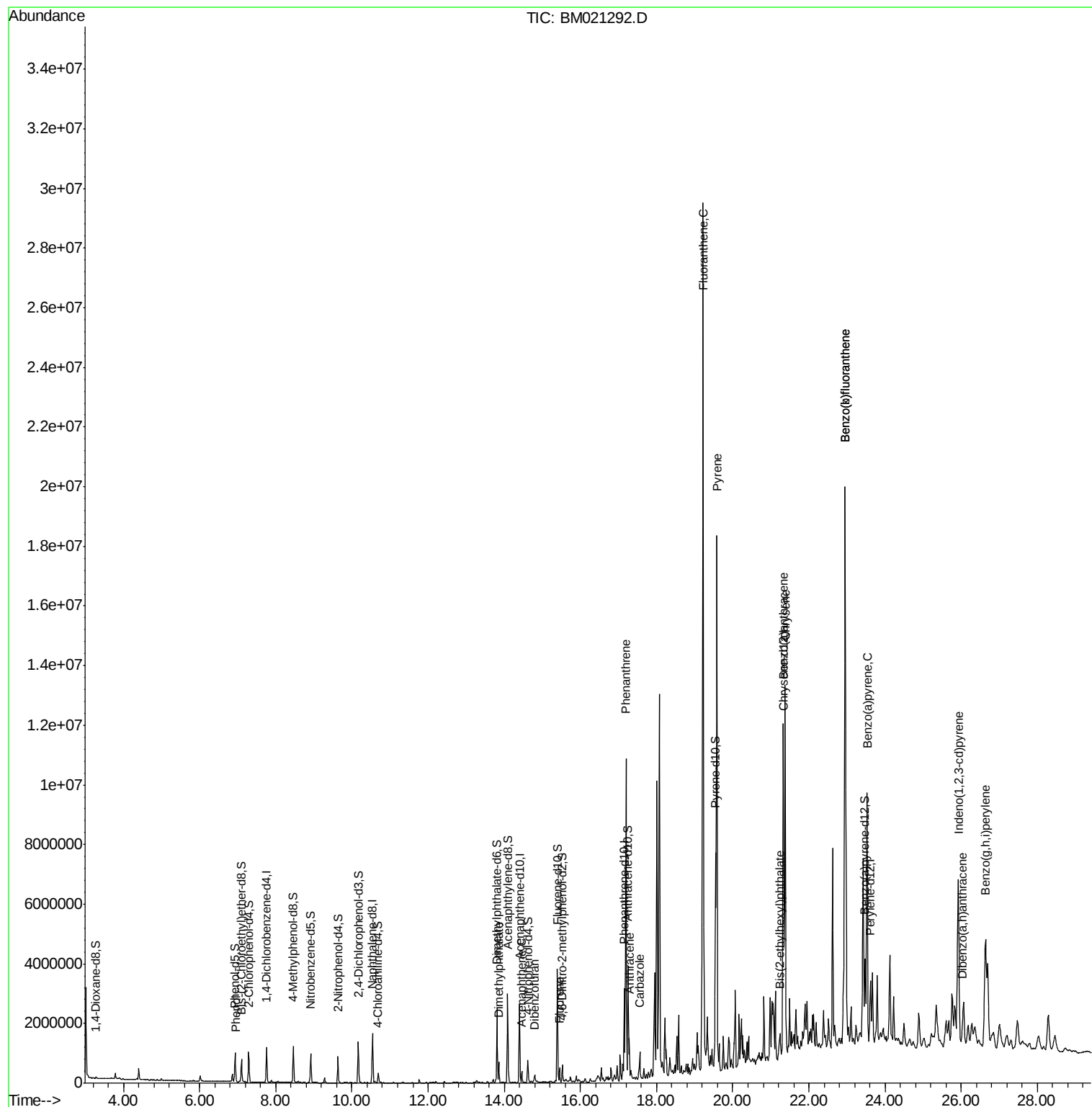
					Qvalue	
6) Phenol	6.96	94	35943	1.327	ng/ul	95
44) Dimethylphthalate	13.86	163	433284	6.001	ng/ul	99
49) Acenaphthene	14.46	153	160107	2.627	ng/ul	98
53) Dibenzofuran	14.80	168	146454	1.688	ng/ul	95
58) Fluorene	15.45	166	200910	2.850	ng/ul	96
69) Phenanthrene	17.20	178	6857598	66.184	ng/ul	98
71) Anthracene	17.28	178	873735	8.275	ng/ul	100
74) Carbazole	17.56	167	550205	6.323	ng/ul	100
76) Fluoranthene	19.22	202	14025204	125.273	ng/ul#	95
79) Pyrene	19.59	202	12072530	124.497	ng/ul	100
82) Benzo(a)anthracene	21.33	228	5542139	59.266	ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.24	149	222721	4.358	ng/ul	100
84) Chrysene	21.38	228	6991159	79.825	ng/ul	96
87) Benzo(b)fluoranthene	22.94	252	10222183	101.161	ng/ul#	97
88) Benzo(k)fluoranthene	22.94	252	10222183	105.153	ng/ul#	97
90) Benzo(a)pyrene	23.53	252	6278622	66.015	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.92	276	5211350	46.532	ng/ul#	95
92) Dibenz(a,h)anthracene	26.03	278	350372	3.719	ng/ul	94
93) Benzo(g,h,i)perylene	26.64	276	4678844	50.725	ng/ul	96

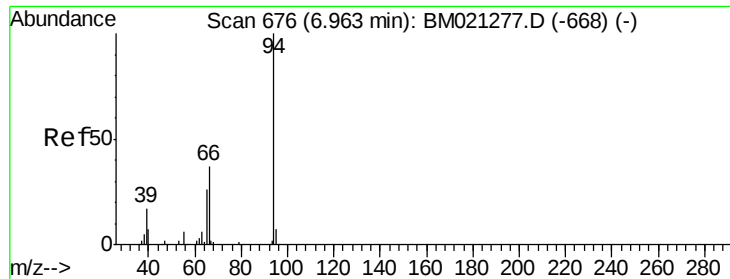
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sun Jun 30 03:35:19 2019
Response via : Initial Calibration





#6

Phenol

Concen: 1.327 ng/ul

RT: 6.96 min Scan# 675

Delta R.T. -0.01 min

Lab File: BM021292.D

Acq: 30 Jun 2019 11:08

Instrument :

BNA_M

ClientSampleId :

C5BB0

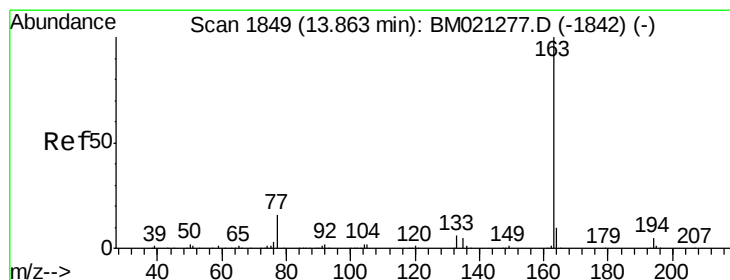
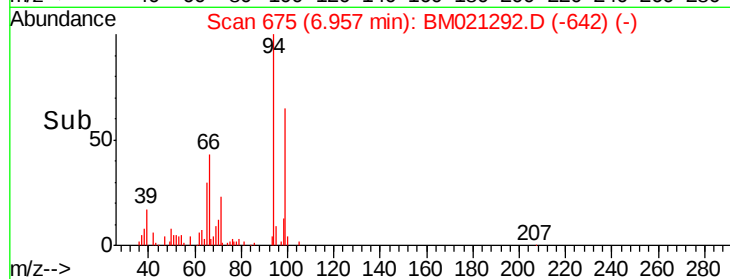
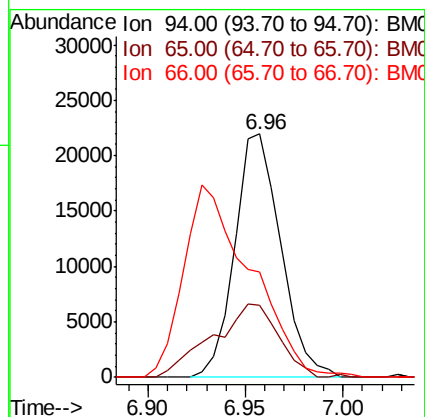
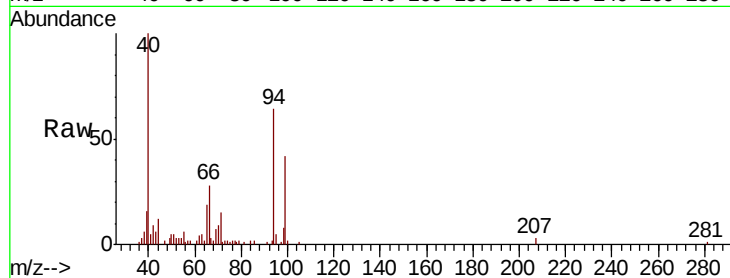
Tgt Ion: 94 Resp: 35943

Ion Ratio Lower Upper

94 100

65 29.8 22.6 34.0

66 43.2 31.2 46.8



#44

Dimethylphthalate

Concen: 6.001 ng/ul

RT: 13.86 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BM021292.D

Acq: 30 Jun 2019 11:08

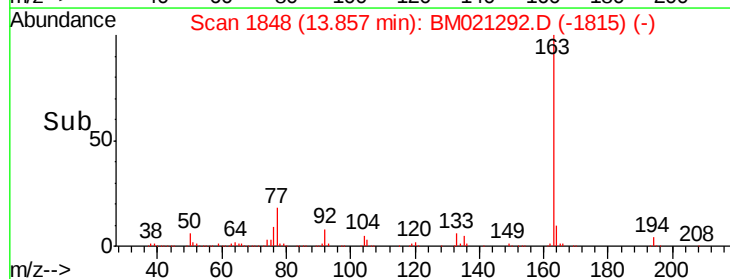
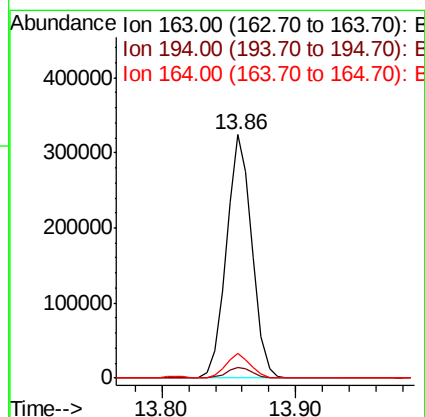
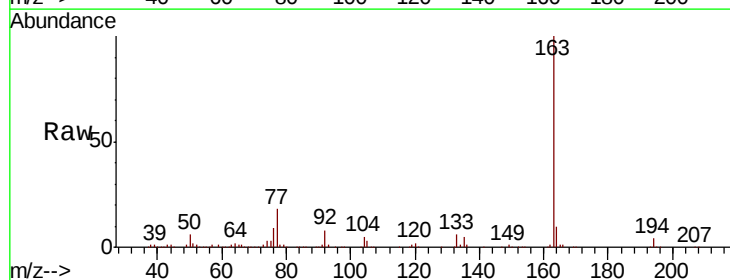
Tgt Ion: 163 Resp: 433284

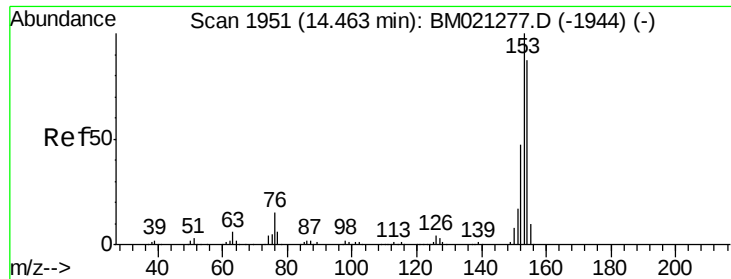
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

164 10.0 7.7 11.5





#49

Acenaphthene

Concen: 2.627 ng/ul

RT: 14.46 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BM021292.D

Acq: 30 Jun 2019 11:08

Instrument :

BNA_M

ClientSampleId :

C5BB0

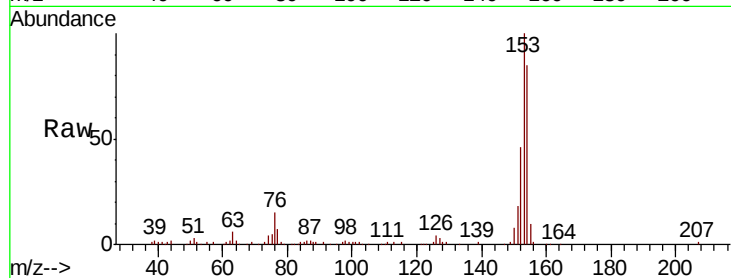
Tgt Ion:153 Resp: 160107

Ion Ratio Lower Upper

153 100

152 46.1 37.3 55.9

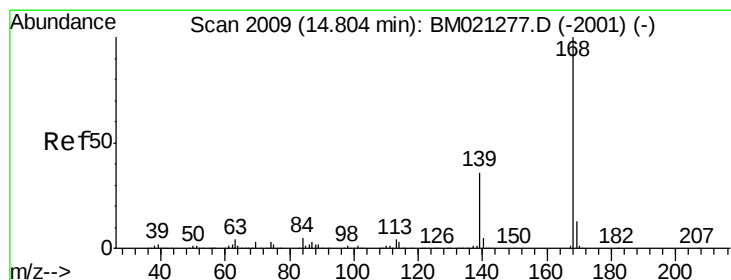
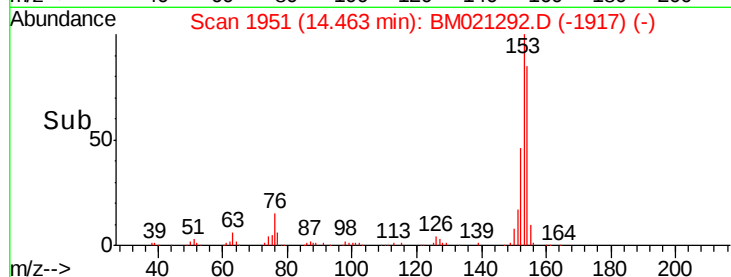
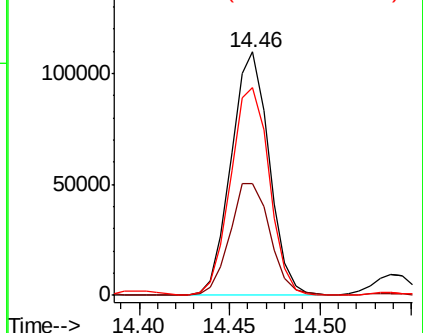
154 85.2 70.5 105.7



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



#53

Dibenzofuran

Concen: 1.688 ng/ul

RT: 14.80 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BM021292.D

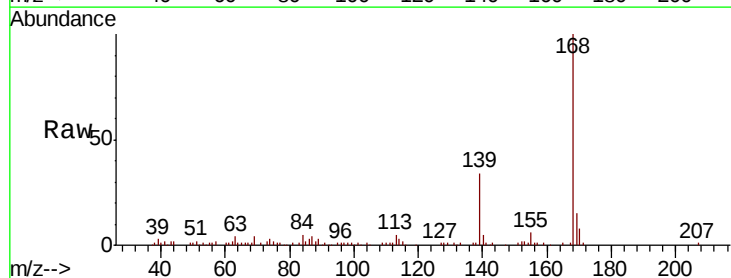
Acq: 30 Jun 2019 11:08

Tgt Ion:168 Resp: 146454

Ion Ratio Lower Upper

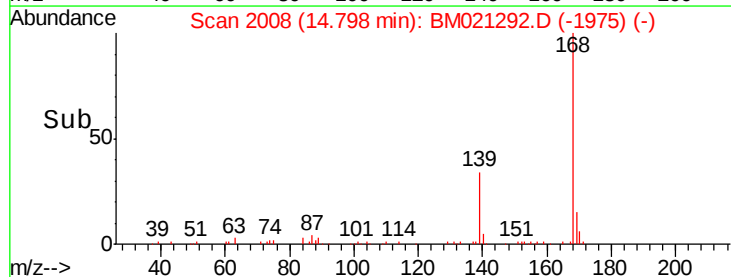
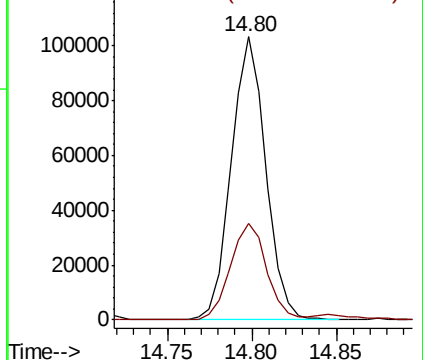
168 100

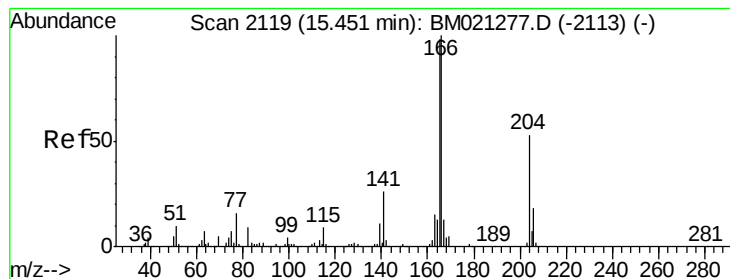
139 33.9 29.7 44.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.850 ng/ul

RT: 15.45 min Scan# 2119

Delta R.T. -0.00 min

Lab File: BM021292.D

Acq: 30 Jun 2019 11:08

Instrument :

BNA_M

ClientSampleId :

C5BB0

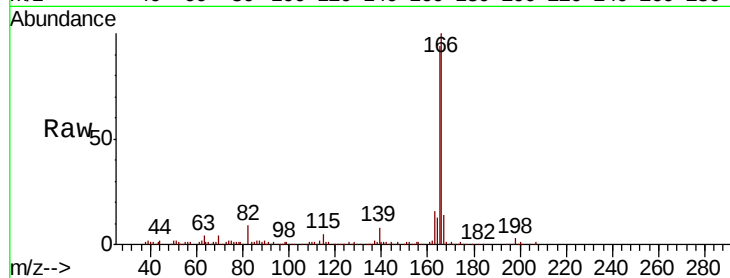
Tgt Ion:166 Resp: 200910

Ion Ratio Lower Upper

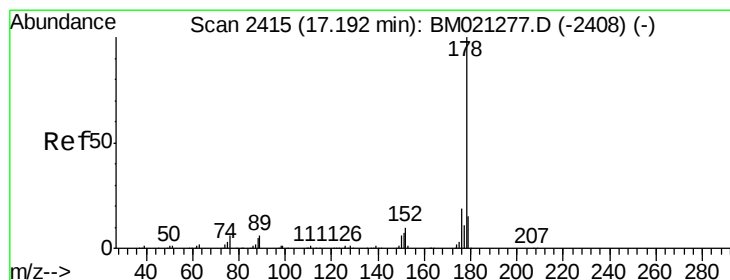
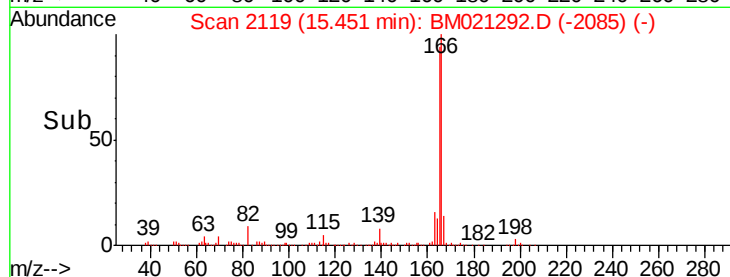
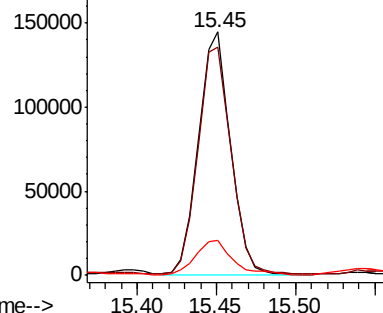
166 100

165 94.0 79.0 118.4

167 14.3 10.6 16.0



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



#69

Phenanthrene

Concen: 66.184 ng/ul

RT: 17.20 min Scan# 2416

Delta R.T. 0.01 min

Lab File: BM021292.D

Acq: 30 Jun 2019 11:08

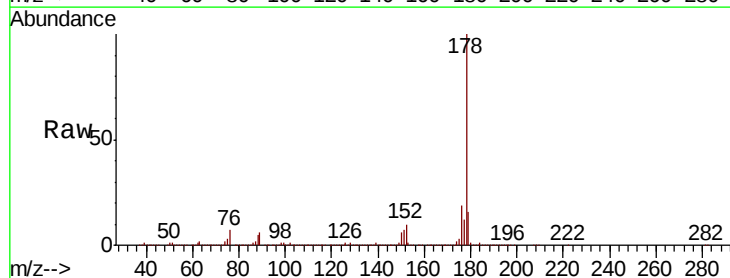
Tgt Ion:178 Resp: 6857598

Ion Ratio Lower Upper

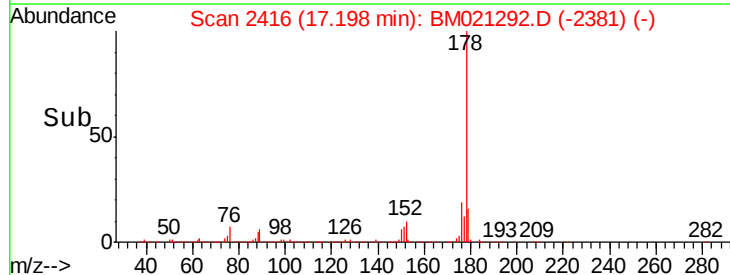
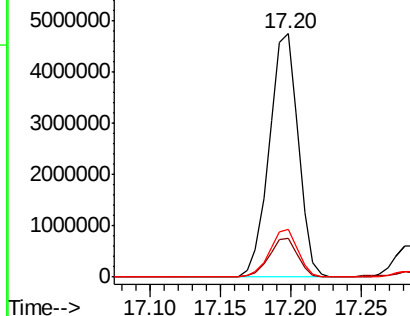
178 100

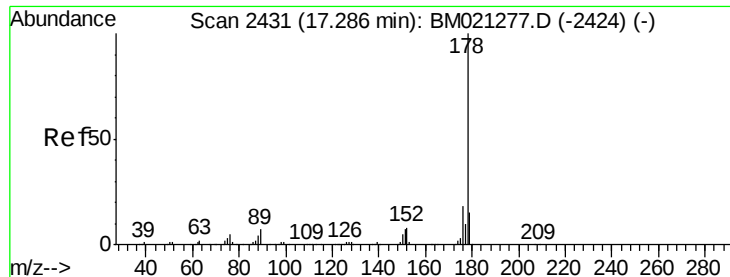
179 15.7 11.8 17.8

176 19.5 15.0 22.6



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: 8.275 ng/ul

RT: 17.28 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BM021292.D

Acq: 30 Jun 2019 11:08

Instrument :

BNA_M

ClientSampleId :

C5BB0

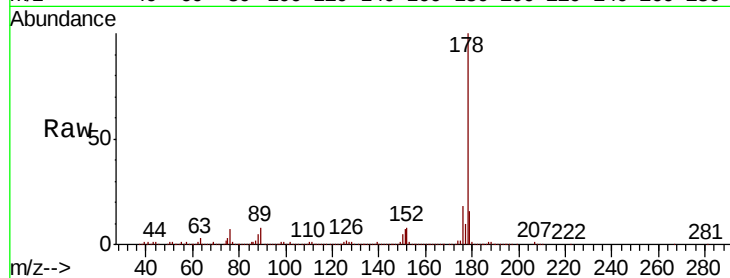
Tgt Ion:178 Resp: 873735

Ion Ratio Lower Upper

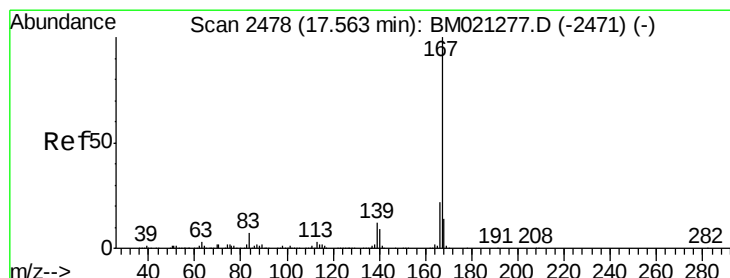
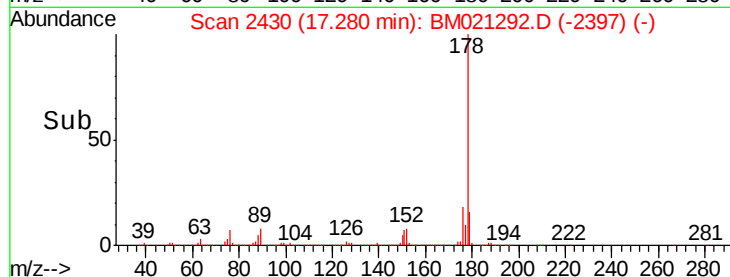
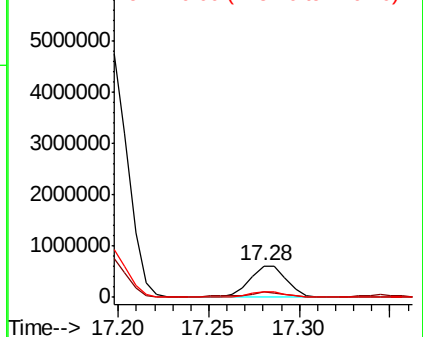
178 100

179 15.6 12.5 18.7

176 17.8 14.6 21.8



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: 6.323 ng/ul

RT: 17.56 min Scan# 2477

Delta R.T. -0.01 min

Lab File: BM021292.D

Acq: 30 Jun 2019 11:08

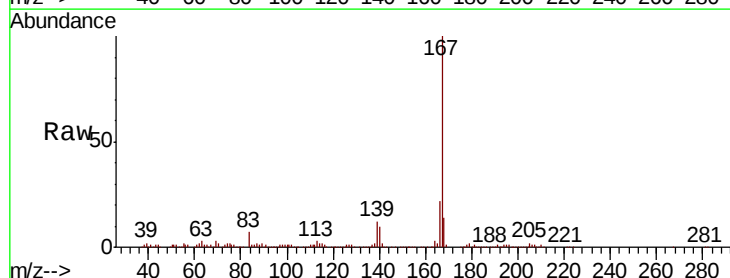
Tgt Ion:167 Resp: 550205

Ion Ratio Lower Upper

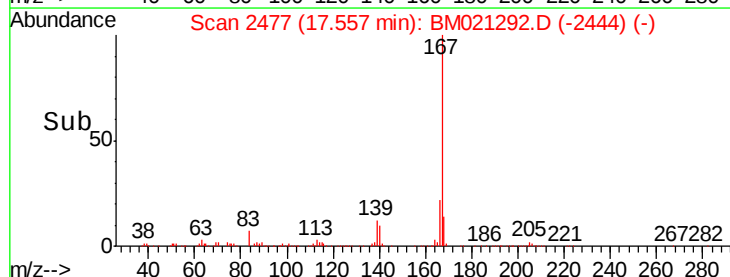
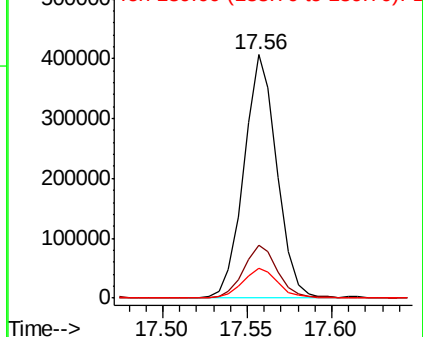
167 100

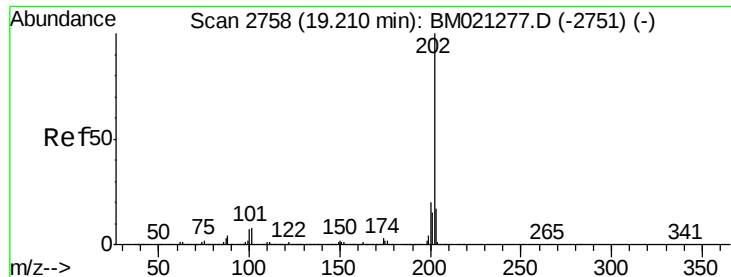
166 21.7 17.4 26.2

139 12.3 9.8 14.6



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

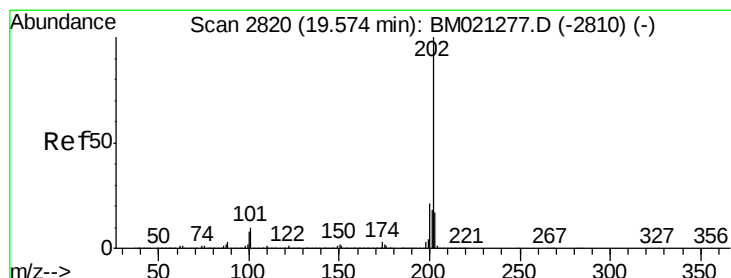
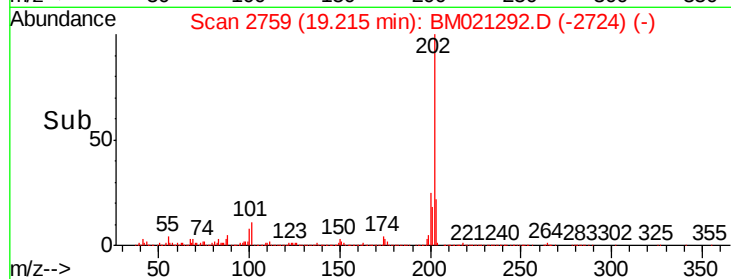
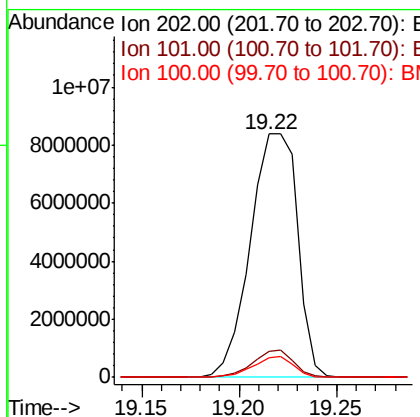
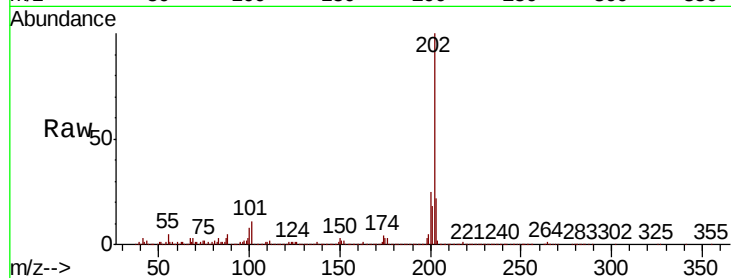




#76
Fluoranthene
Concen: 125.273 ng/ul
RT: 19.22 min Scan# 2759
Delta R.T. 0.01 min
Lab File: BM021292.D
Acq: 30 Jun 2019 11:08

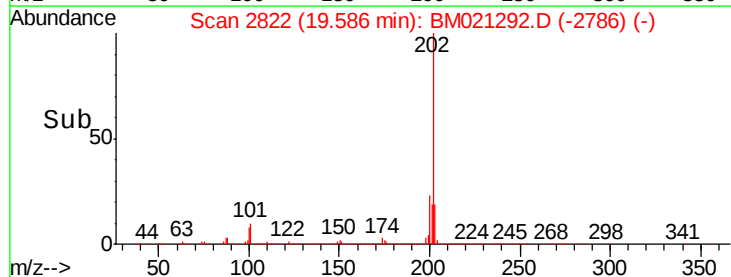
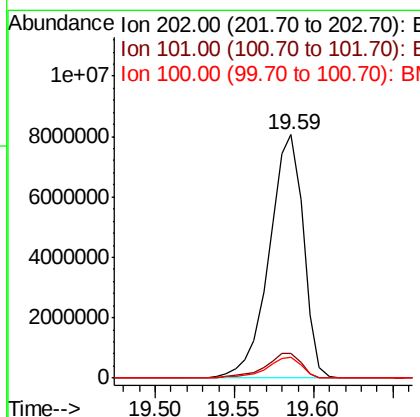
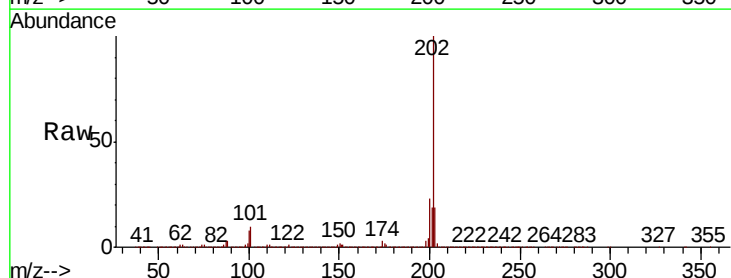
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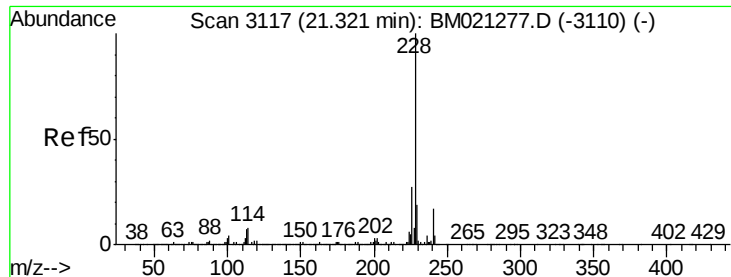
Tgt Ion:202 Resp:14025204
Ion Ratio Lower Upper
202 100
101 10.7 6.7 10.1#
100 8.2 5.5 8.3



#79
Pyrene
Concen: 124.497 ng/ul
RT: 19.59 min Scan# 2822
Delta R.T. 0.01 min
Lab File: BM021292.D
Acq: 30 Jun 2019 11:08

Tgt Ion:202 Resp:12072530
Ion Ratio Lower Upper
202 100
101 10.1 8.1 12.1
100 8.4 6.6 10.0

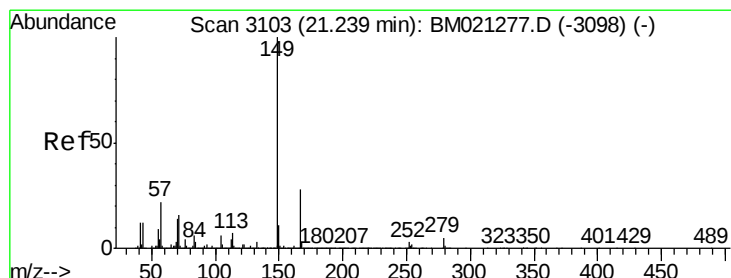
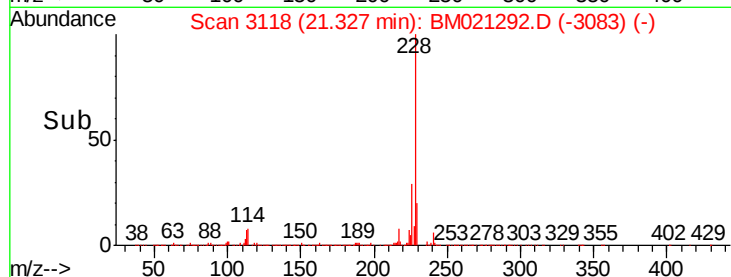
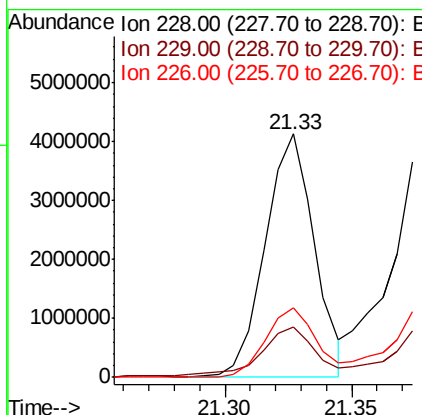
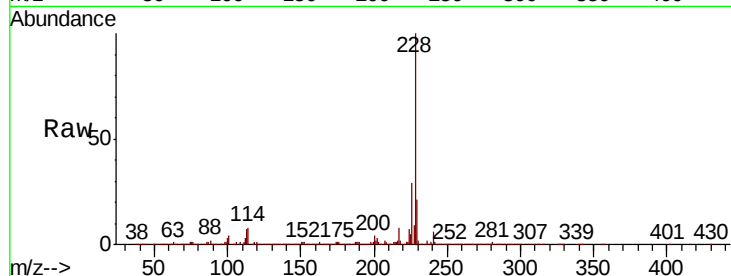




#82
 Benzo(a)anthracene
 Concen: 59.266 ng/ul
 RT: 21.33 min Scan# 3118
 Delta R.T. 0.01 min
 Lab File: BM021292.D
 Acq: 30 Jun 2019 11:08

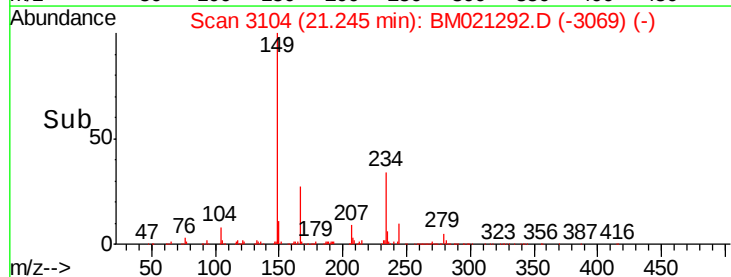
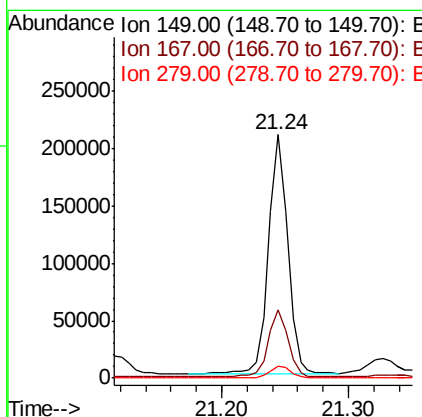
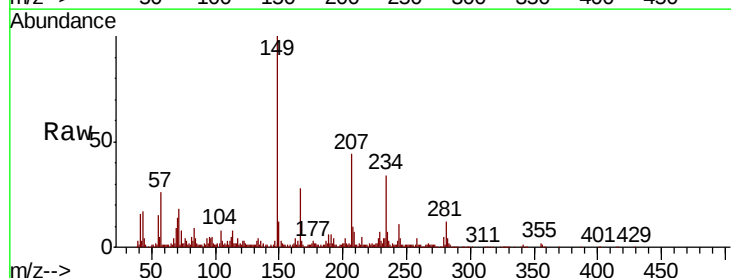
Instrument :
 BNA_M
 ClientSampleId :
 C5BB0

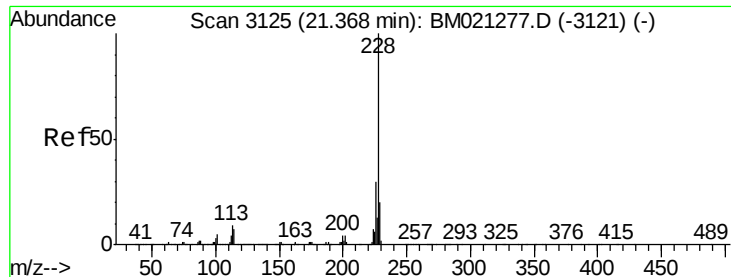
Tgt Ion: 228 Resp: 5542139
 Ion Ratio Lower Upper
 228 100
 229 20.7 15.8 23.8
 226 28.7 21.4 32.2



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.358 ng/ul
 RT: 21.24 min Scan# 3104
 Delta R.T. 0.01 min
 Lab File: BM021292.D
 Acq: 30 Jun 2019 11:08

Tgt Ion: 149 Resp: 222721
 Ion Ratio Lower Upper
 149 100
 167 28.0 22.3 33.5
 279 5.1 3.8 5.6





#84

Chrysene

Concen: 79.825 ng/ul

RT: 21.38 min Scan# 3127

Delta R.T. 0.01 min

Lab File: BM021292.D

Acq: 30 Jun 2019 11:08

Instrument :

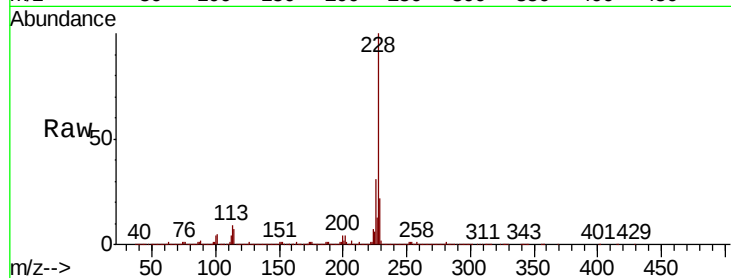
BNA_M

ClientSampleId :

C5BB0

Tgt Ion:228 Resp: 6991159

Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.9	35.9
229	21.7	15.4	23.2

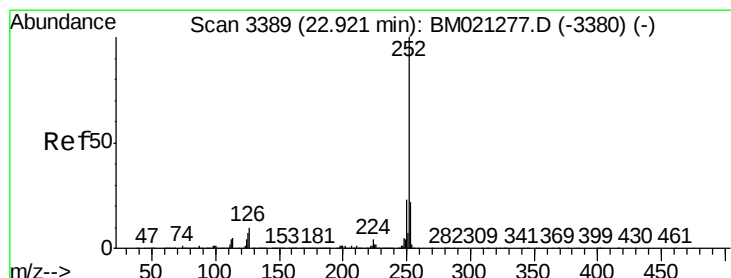
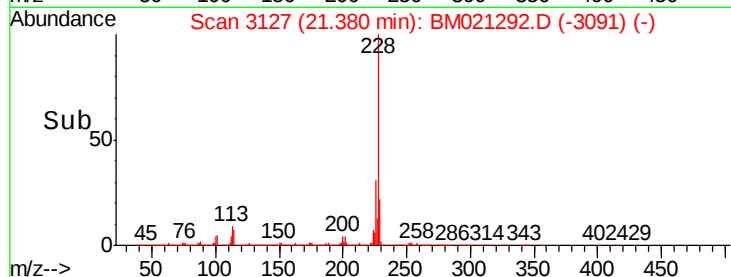
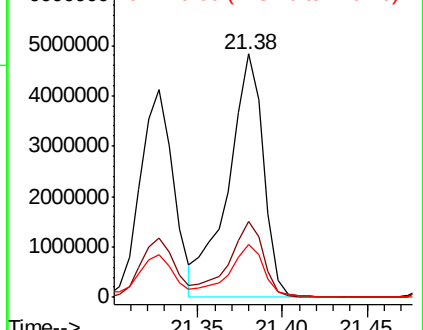


Abundance

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



#87

Benzo(b)fluoranthene

Concen: 101.161 ng/ul

RT: 22.94 min Scan# 3393

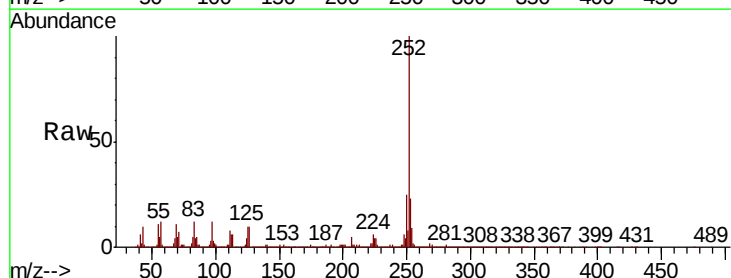
Delta R.T. 0.02 min

Lab File: BM021292.D

Acq: 30 Jun 2019 11:08

Tgt Ion:252 Resp:10222183

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	10.5	6.3	9.5

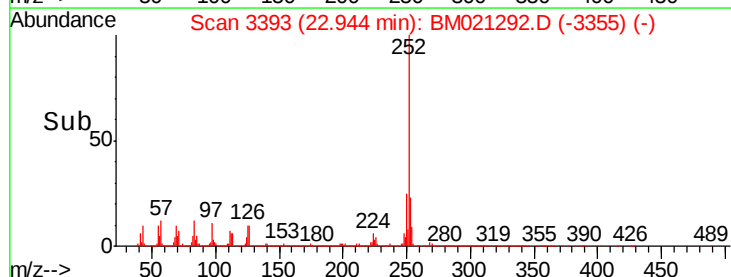
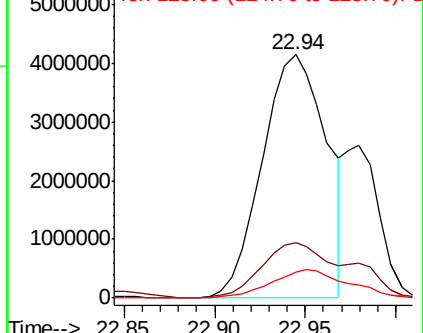


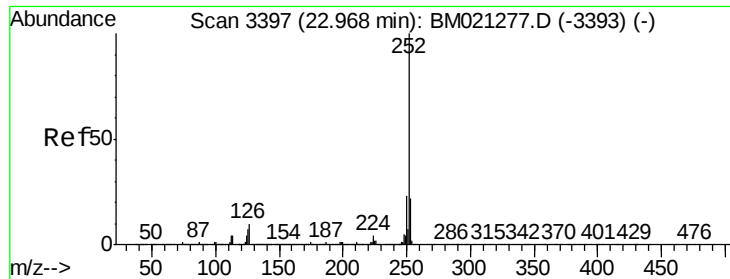
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 105.153 ng/ul

RT: 22.94 min Scan# 3393

Delta R.T. -0.02 min

Lab File: BM021292.D

Acq: 30 Jun 2019 11:08

Instrument :

BNA_M

ClientSampleId :

C5BB0

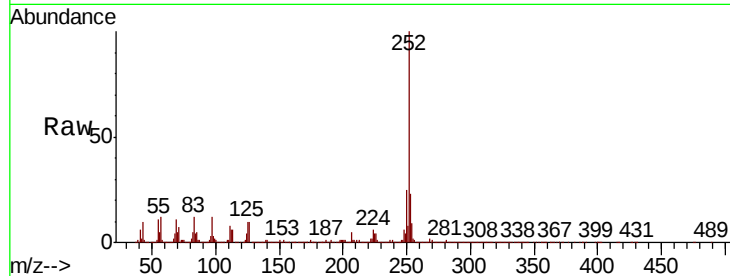
Tgt Ion:252 Resp:10222183

Ion Ratio Lower Upper

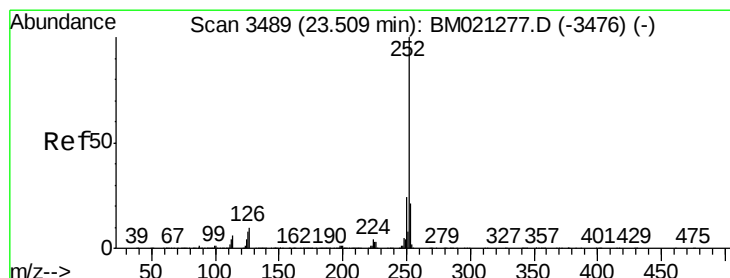
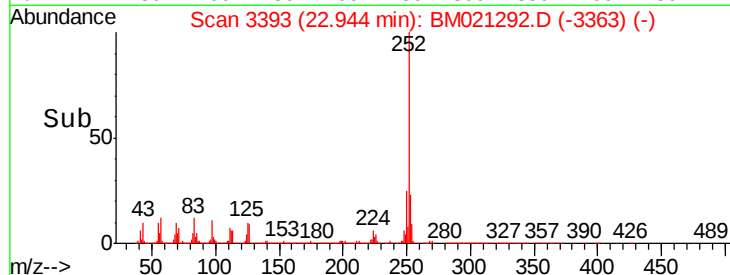
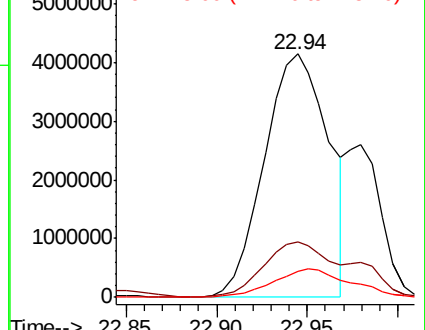
252 100

253 22.8 17.5 26.3

125 10.5 6.6 9.8#



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



#90

Benzo(a)pyrene

Concen: 66.015 ng/ul

RT: 23.53 min Scan# 3492

Delta R.T. 0.02 min

Lab File: BM021292.D

Acq: 30 Jun 2019 11:08

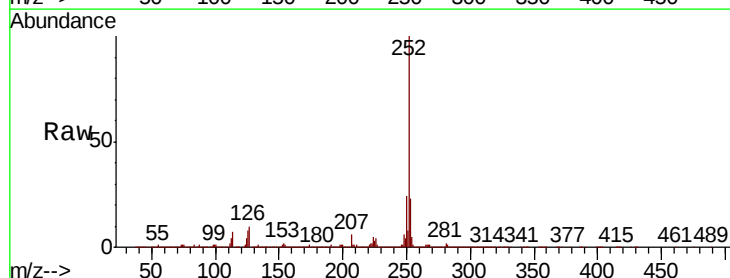
Tgt Ion:252 Resp: 6278622

Ion Ratio Lower Upper

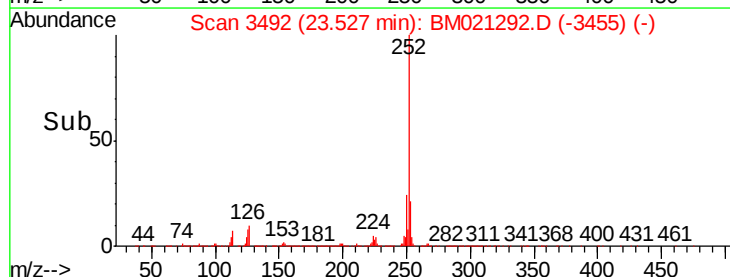
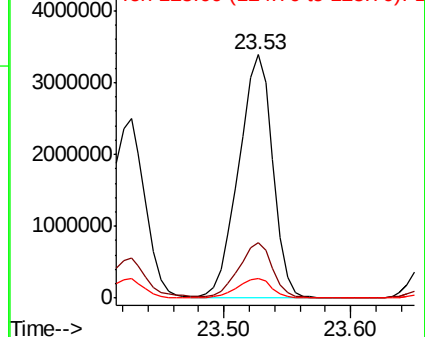
252 100

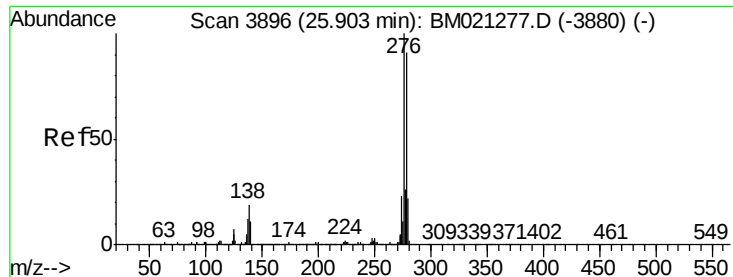
253 22.6 17.8 26.8

125 8.0 7.2 10.8



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





#91

Indeno(1,2,3-cd)pyrene

Concen: 46.532 ng/ul

RT: 25.92 min Scan# 3899

Delta R.T. 0.02 min

Lab File: BM021292.D

Acq: 30 Jun 2019 11:08

Instrument :

BNA_M

ClientSampleId :

C5BB0

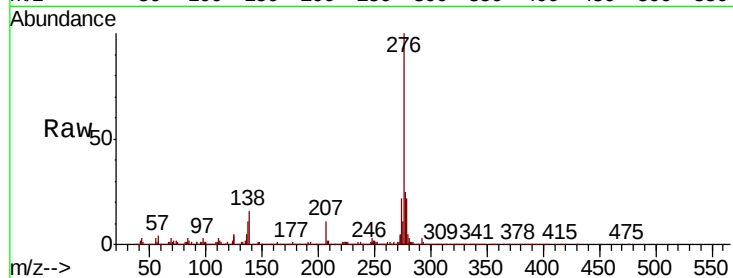
Tgt Ion:276 Resp: 5211350

Ion Ratio Lower Upper

276 100

138 15.7 15.9 23.9#

277 24.6 20.4 30.6

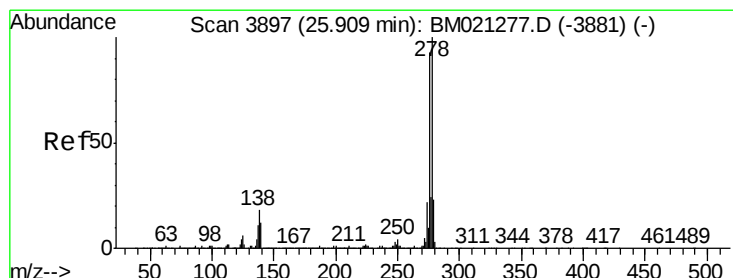
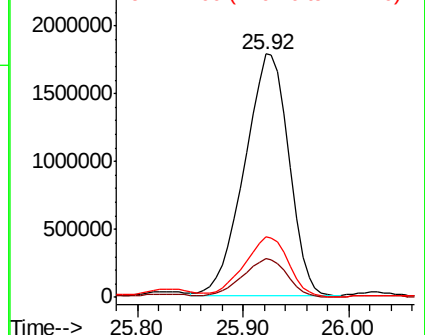
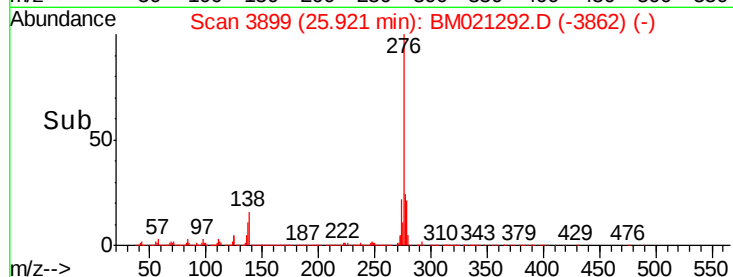


Abundance

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



#92

Dibenzo(a,h)anthracene

Concen: 3.719 ng/ul

RT: 26.03 min Scan# 3917

Delta R.T. 0.12 min

Lab File: BM021292.D

Acq: 30 Jun 2019 11:08

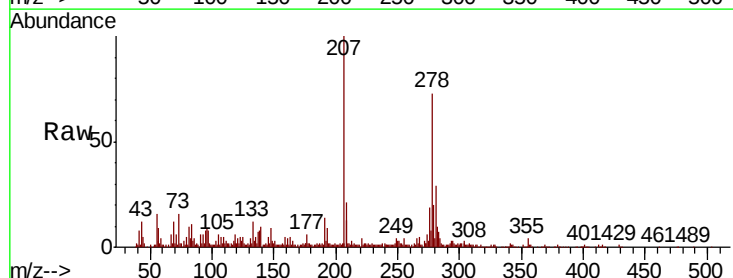
Tgt Ion:278 Resp: 350372

Ion Ratio Lower Upper

278 100

139 13.9 10.6 15.8

279 27.9 19.0 28.4

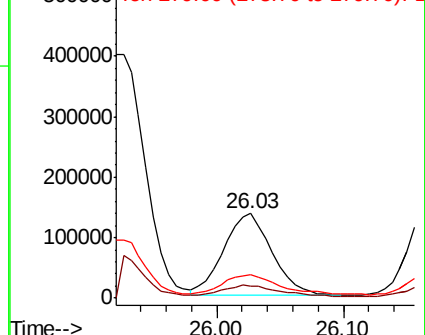
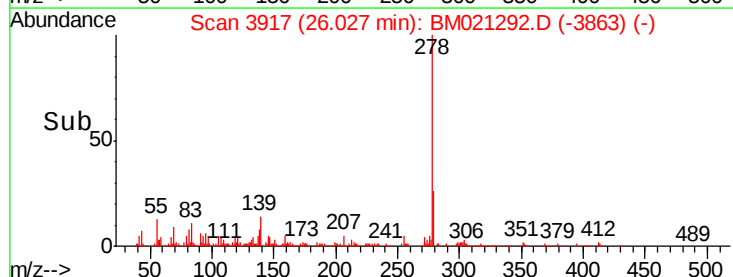


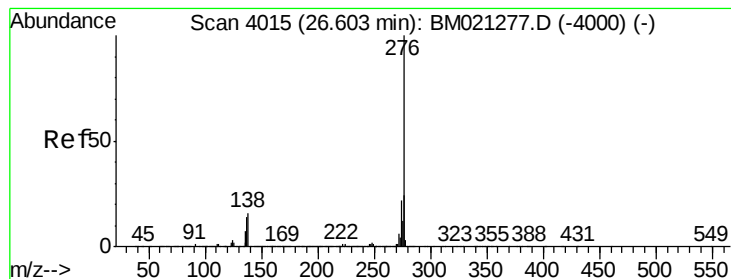
Abundance

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





#93

Benzo(g,h,i)perylene

Concen: 50.725 ng/ul

RT: 26.64 min Scan# 4021

Delta R.T. 0.04 min

Lab File: BM021292.D

Acq: 30 Jun 2019 11:08

Instrument :

BNA_M

ClientSampleId :

C5BB0

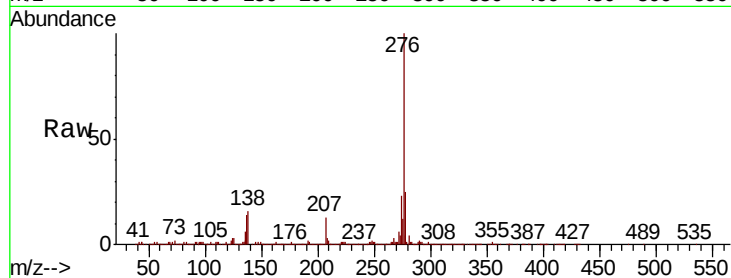
Tgt Ion:276 Resp: 4678844

Ion Ratio Lower Upper

276 100

138 15.7 14.6 21.8

277 24.7 18.9 28.3



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

