

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062919\
 Data File : BM021257.D
 Acq On : 29 Jun 2019 12:13
 Operator : HP/JU
 Sample : K3593-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C5BB9

Quant Time: Jun 29 22:19:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 27 05:07:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	226330	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	987589	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	622075	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	1523009	20.00	ng/ul	0.00
77) Chrysene-d12	21.33	240	1329688	20.00	ng/ul	0.00
85) Perylene-d12	23.61	264	1237232	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	23051	4.84	ng/uL	0.00
5) Phenol-d5	6.93	99	510934	25.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	312239	26.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.29	132	431399	26.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.46	113	439756	26.74	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	226317	28.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	251782	28.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	507073	28.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	355911	18.85	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	1658255	29.50	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	1954828	28.41	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	198653	21.73	ng/ul	0.00
57) Fluorene-d10	15.40	176	1492946	30.54	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	186911	19.96	ng/ul	0.00
70) Anthracene-d10	17.25	188	2327407	29.41	ng/ul	0.00
78) Pyrene-d10	19.54	212	2536925	31.79	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.46	264	2091193	28.65	ng/ul	0.00

Target Compounds

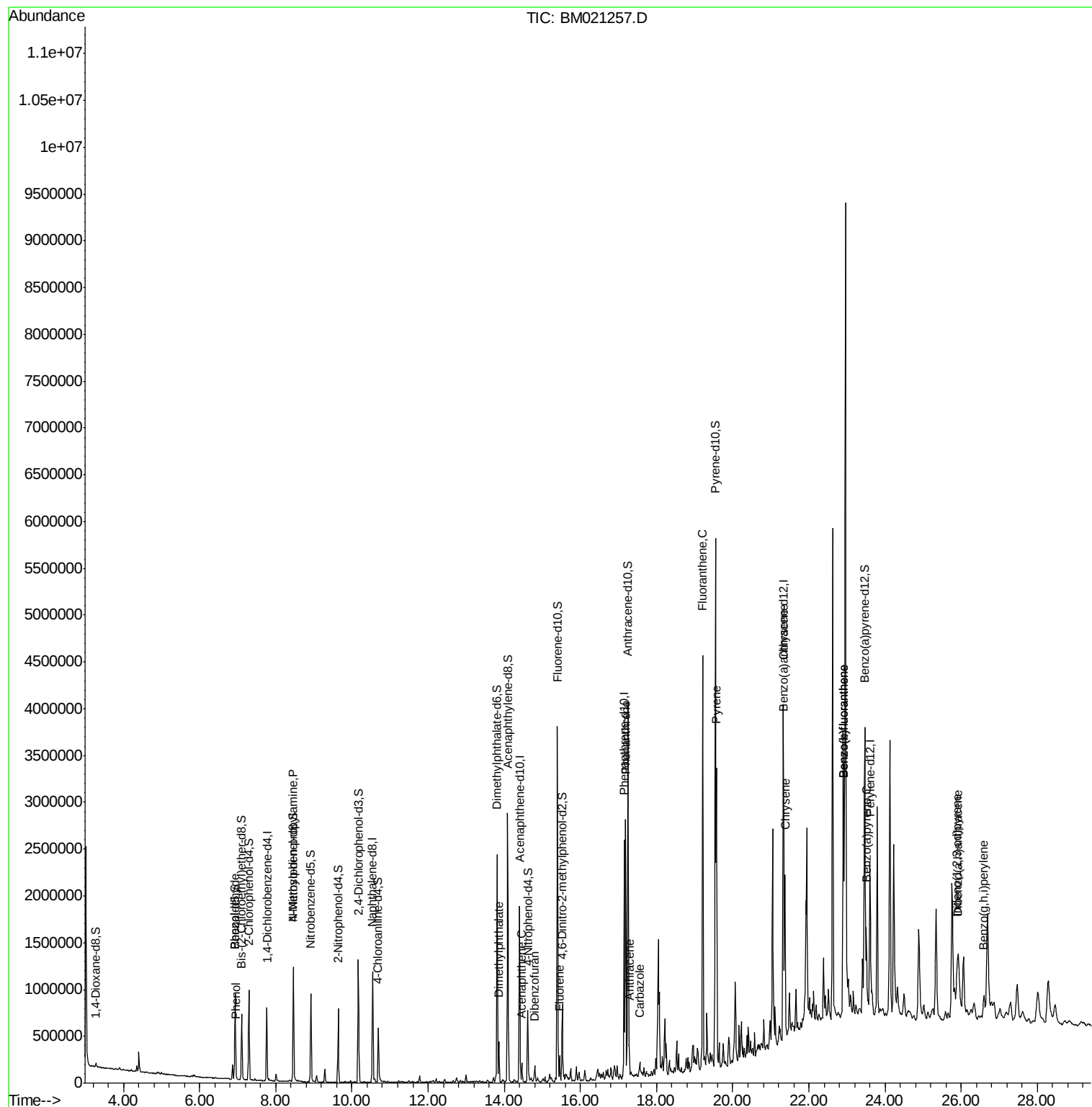
					Qvalue
4) Benzaldehyde	6.92	77	10339	1.151 ng/ul	94
6) Phenol	6.96	94	24452	1.312 ng/ul	94
15) N-Nitroso-di-n-propylamine	8.46	70	12757	1.036 ng/ul#	1
44) Dimethylphthalate	13.86	163	279578	5.464 ng/ul	98
49) Acenaphthene	14.46	153	78913	1.827 ng/ul	96
53) Dibenzofuran	14.80	168	88342	1.437 ng/ul	100
58) Fluorene	15.45	166	112429	2.250 ng/ul	97
69) Phenanthrene	17.19	178	1658563	19.691 ng/ul	99
71) Anthracene	17.28	178	204525	2.383 ng/ul	99
74) Carbazole	17.56	167	80168	1.133 ng/ul	99
76) Fluoranthene	19.21	202	2386271	26.219 ng/ul	100
79) Pyrene	19.57	202	1932406	20.557 ng/ul	99
82) Benzo(a)anthracene	21.32	228	924139	10.194 ng/ul	99
84) Chrysene	21.37	228	1001578	11.797 ng/ul	99
87) Benzo(b)fluoranthene	22.92	252	1185916	15.132 ng/ul	98
88) Benzo(k)fluoranthene	22.92	252	1185916	15.729 ng/ul	99
90) Benzo(a)pyrene	23.51	252	670204	9.086 ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.89	276	465007	5.353 ng/ul	96
92) Dibenzo(a,h)anthracene	25.90	278	126222	1.727 ng/ul#	93
93) Benzo(g,h,i)perylene	26.60	276	368843	5.156 ng/ul	99

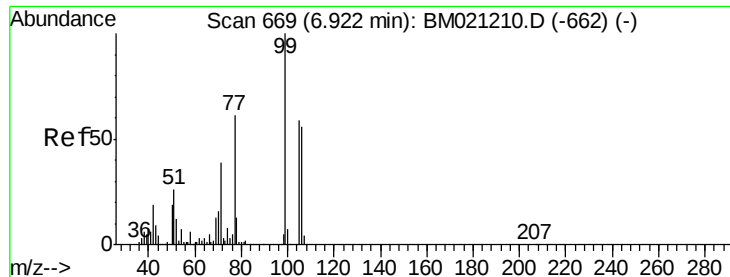
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.151 ng/ul

RT: 6.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: BM021257.D

Acq: 29 Jun 2019 12:13

Instrument :

BNA_M

ClientSampleId :

C5BB9

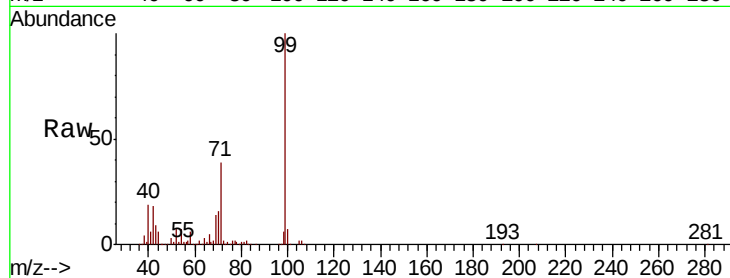
Tgt Ion: 77 Resp: 10339

Ion Ratio Lower Upper

77 100

105 90.6 78.1 117.1

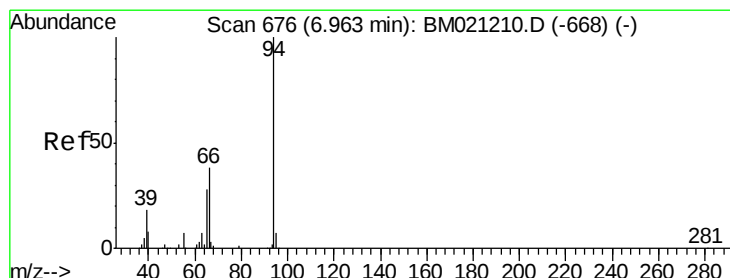
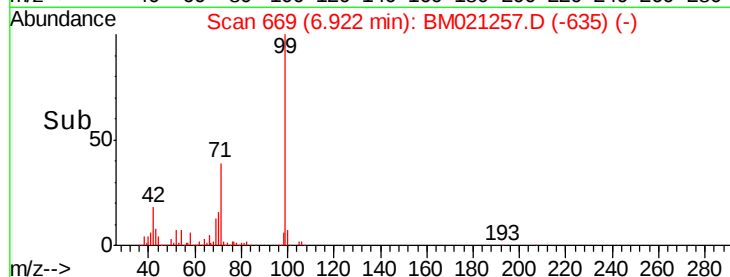
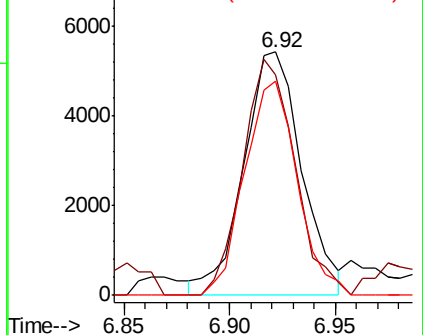
106 88.2 73.4 110.2



Abundance Ion 77.00 (76.70 to 77.70): BM021257.D (-635) (-)

Ion 105.00 (104.70 to 105.70): BM021257.D (-635) (-)

Ion 106.00 (105.70 to 106.70): BM021257.D (-635) (-)



#6

Phenol

Concen: 1.312 ng/ul

RT: 6.96 min Scan# 675

Delta R.T. -0.01 min

Lab File: BM021257.D

Acq: 29 Jun 2019 12:13

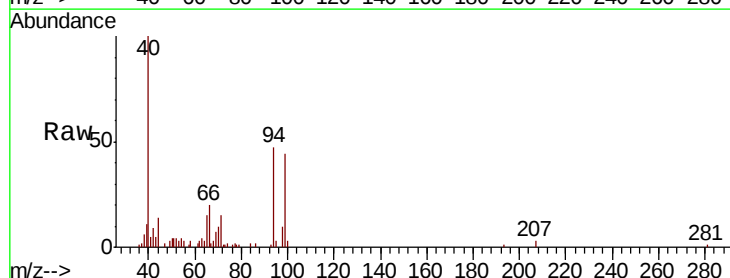
Tgt Ion: 94 Resp: 24452

Ion Ratio Lower Upper

94 100

65 31.2 22.6 34.0

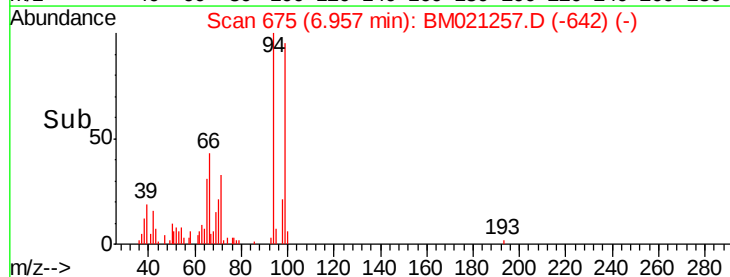
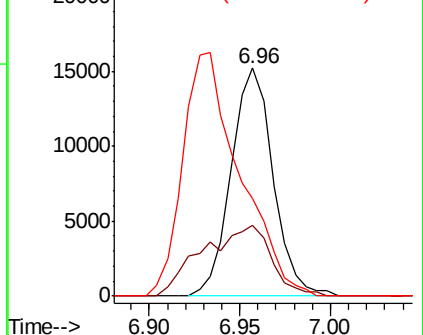
66 42.7 31.2 46.8

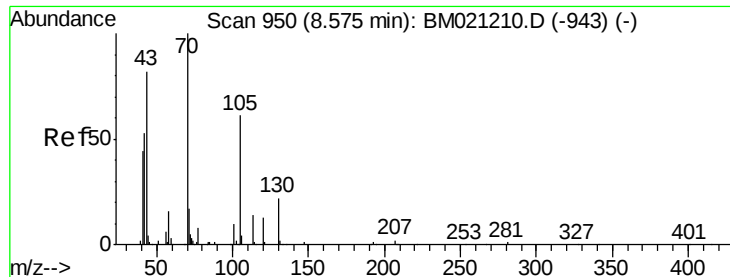


Abundance Ion 94.00 (93.70 to 94.70): BM021257.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BM021257.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BM021257.D (-642) (-)

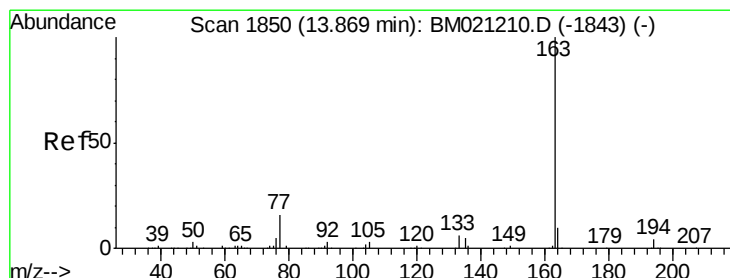
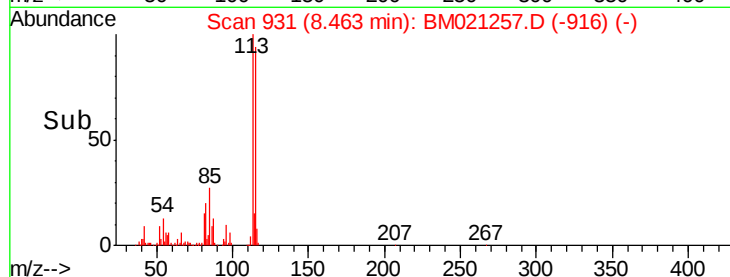
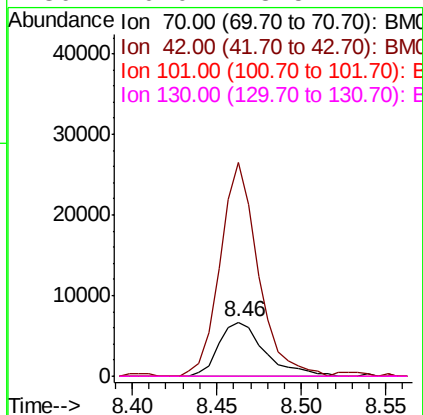
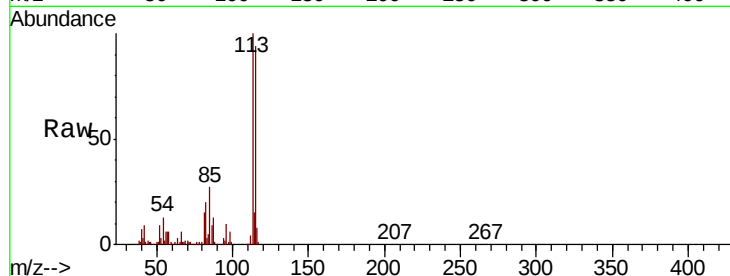




#15
N-Nitroso-di-n-propylamine
Concen: 1.036 ng/ul
RT: 8.46 min Scan# 931
Delta R.T. -0.11 min
Lab File: BM021257.D
Acq: 29 Jun 2019 12:13

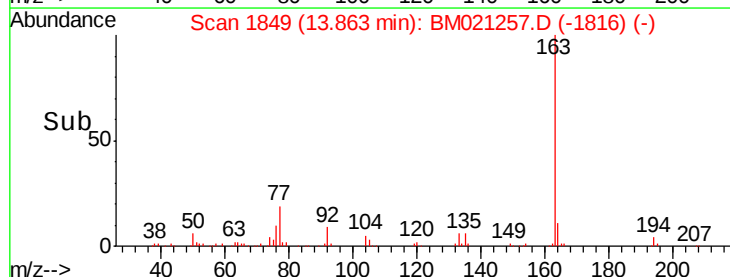
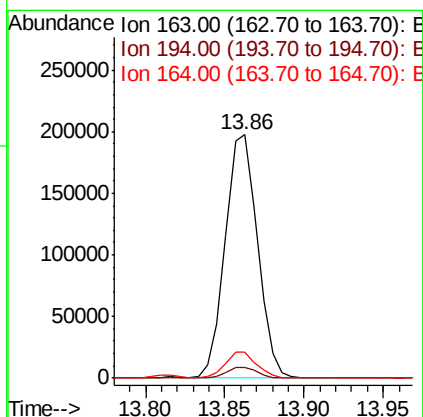
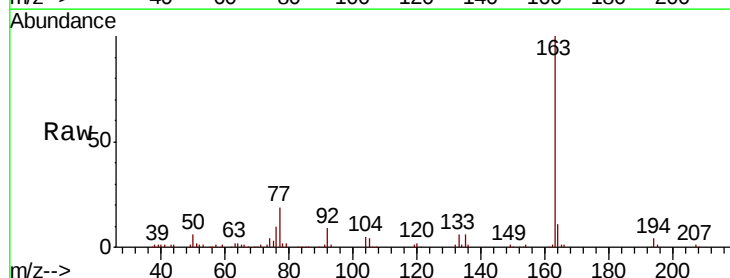
Instrument :
BNA_M
ClientSampleId :
C5BB9

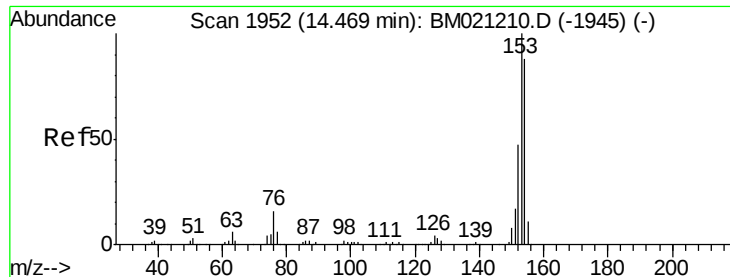
Tgt Ion	Ratio	Lower	Upper
70	100		
42	394.2	43.4	65.0#
101	0.0	7.8	11.6#
130	0.0	18.5	27.7#



#44
Dimethylphthalate
Concen: 5.464 ng/ul
RT: 13.86 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BM021257.D
Acq: 29 Jun 2019 12:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.5	7.7	11.5





#49

Acenaphthene

Concen: 1.827 ng/ul

RT: 14.46 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BM021257.D

Acq: 29 Jun 2019 12:13

Instrument :

BNA_M

ClientSampleId :

C5BB9

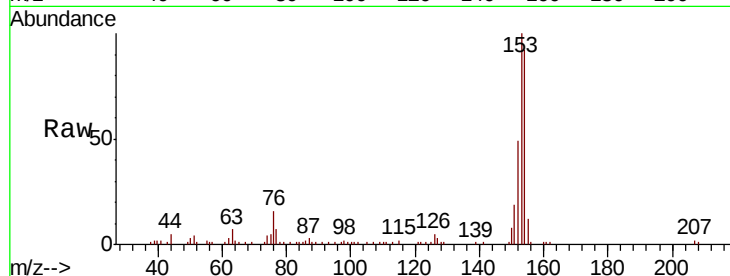
Tgt Ion:153 Resp: 78913

Ion Ratio Lower Upper

153 100

152 49.2 37.3 55.9

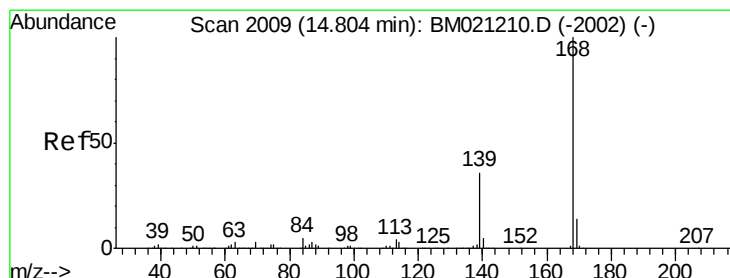
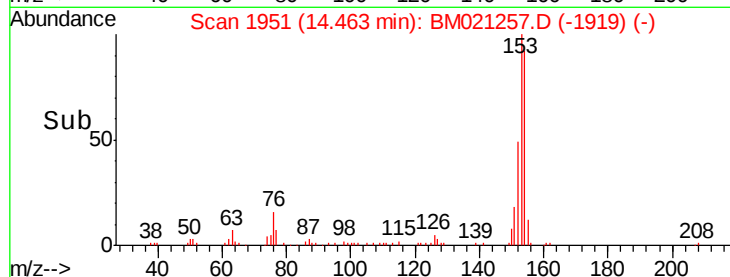
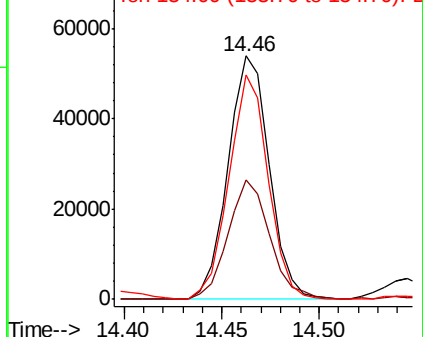
154 91.9 70.5 105.7



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: 1.437 ng/ul

RT: 14.80 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BM021257.D

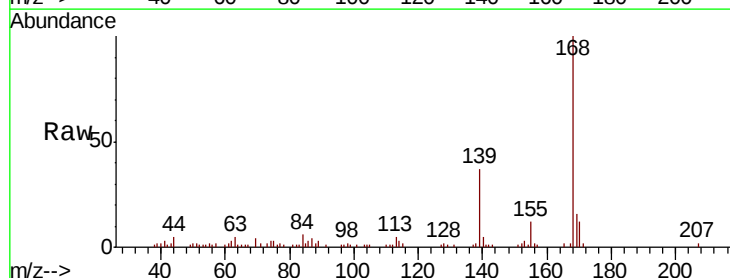
Acq: 29 Jun 2019 12:13

Tgt Ion:168 Resp: 88342

Ion Ratio Lower Upper

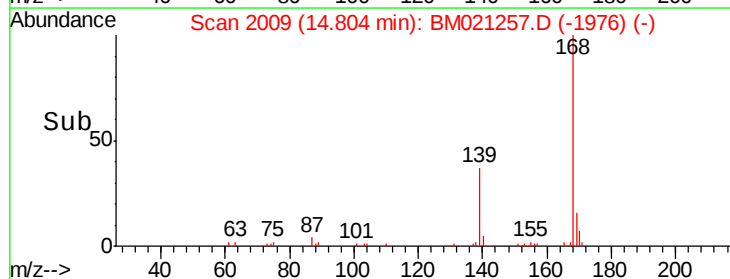
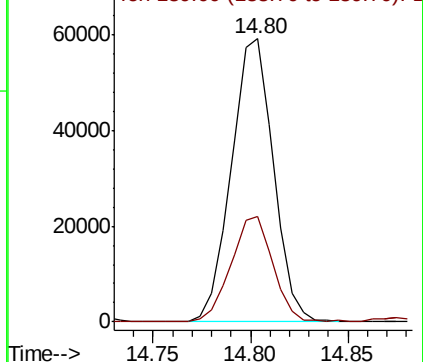
168 100

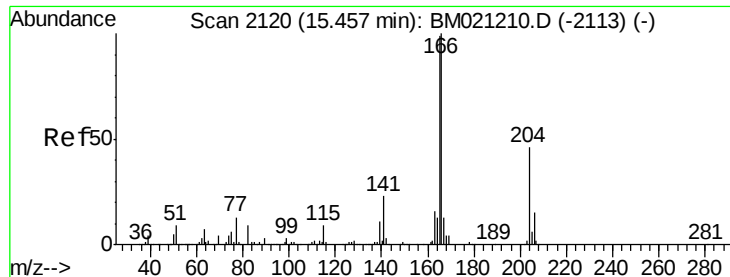
139 37.4 29.7 44.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.250 ng/ul

RT: 15.45 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BM021257.D

Acq: 29 Jun 2019 12:13

Instrument :

BNA_M

ClientSampled :

C5BB9

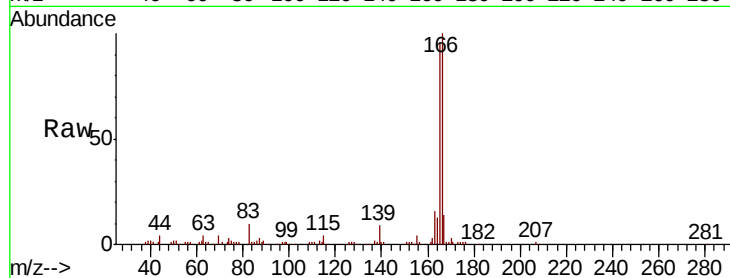
Tgt Ion:166 Resp: 112429

Ion Ratio Lower Upper

166 100

165 95.8 79.0 118.4

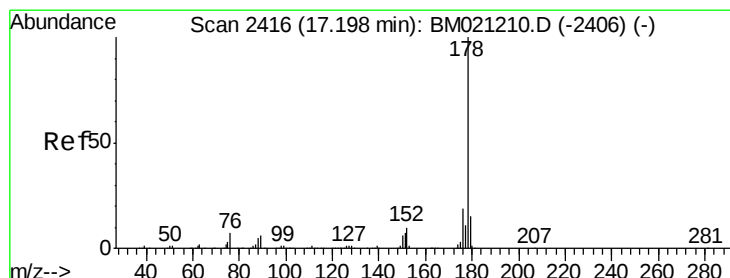
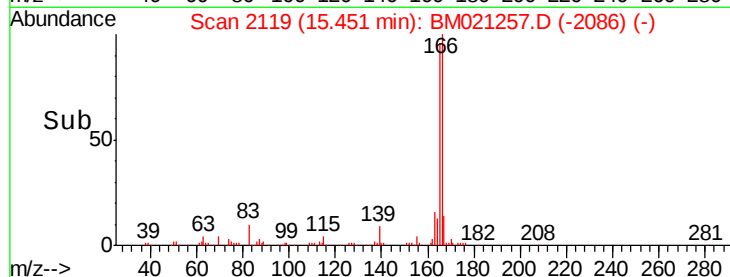
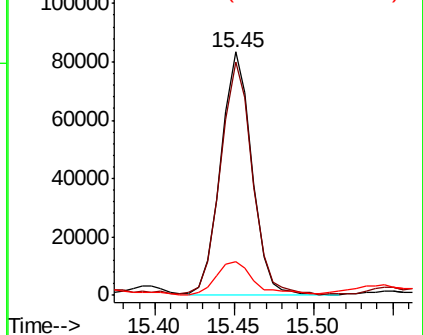
167 13.9 10.6 16.0



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: 19.691 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BM021257.D

Acq: 29 Jun 2019 12:13

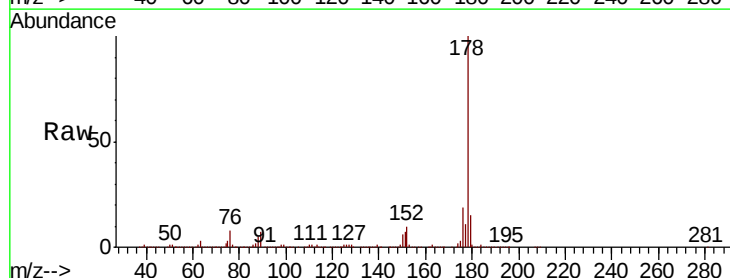
Tgt Ion:178 Resp: 1658563

Ion Ratio Lower Upper

178 100

179 15.3 11.8 17.8

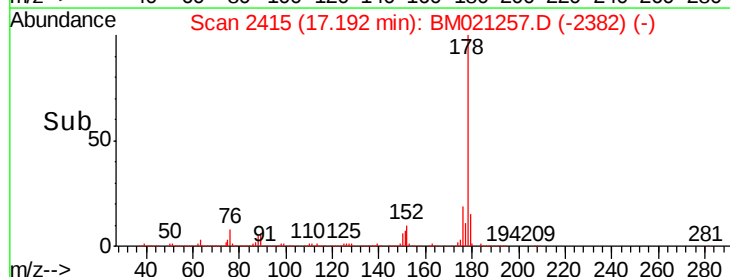
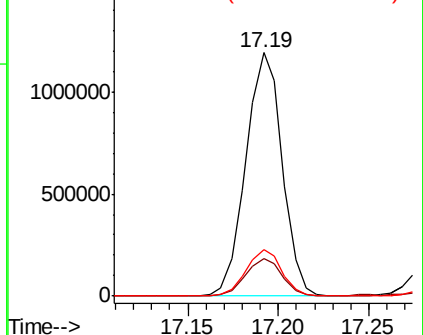
176 19.0 15.0 22.6

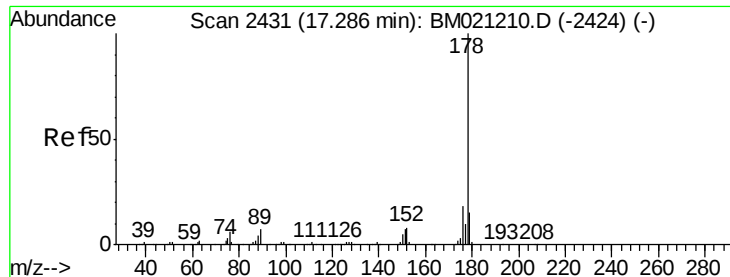


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

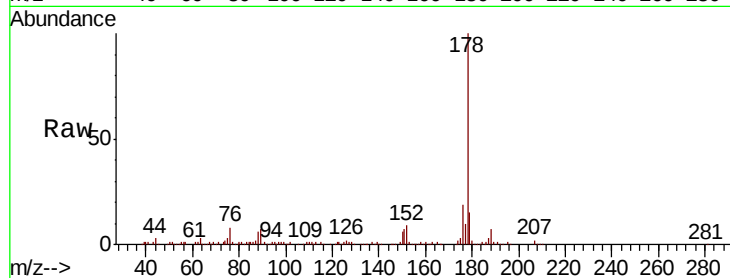




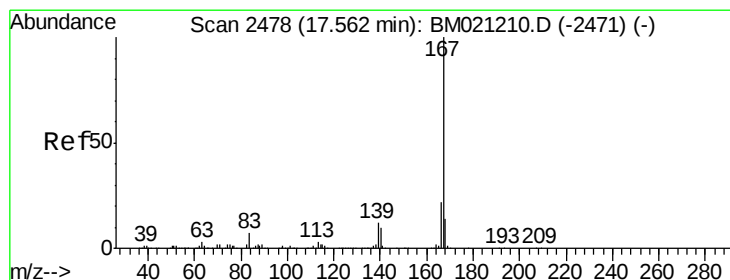
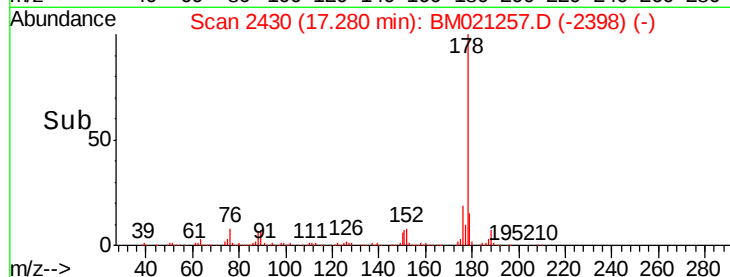
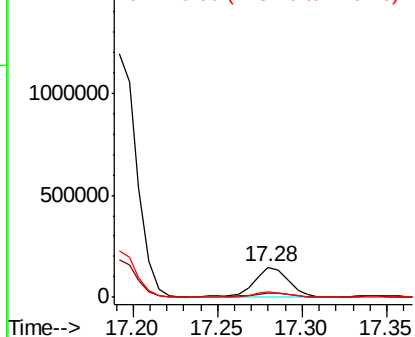
#71
 Anthracene
 Concen: 2.383 ng/ul
 RT: 17.28 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BM021257.D
 Acq: 29 Jun 2019 12:13

Instrument :
 BNA_M
 ClientSampleId :
 C5BB9

Tgt Ion:178 Resp: 204525
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.5 18.7
 176 18.8 14.6 21.8

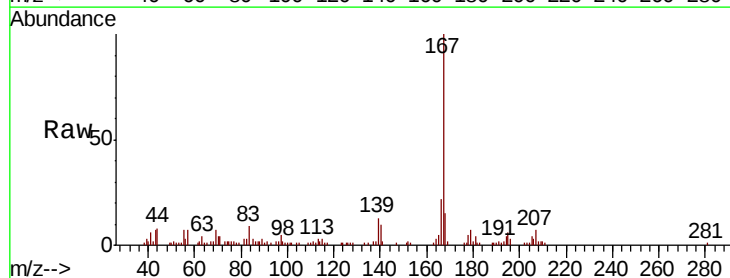


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

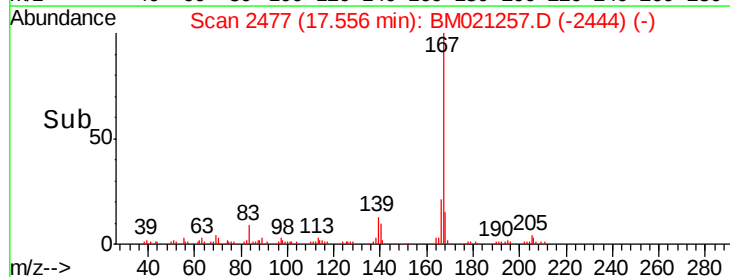
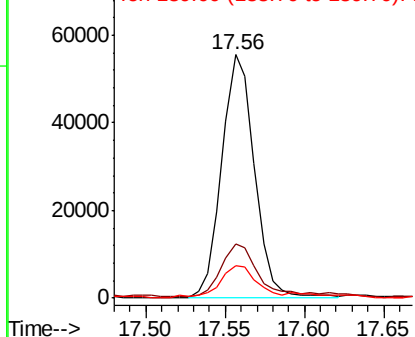


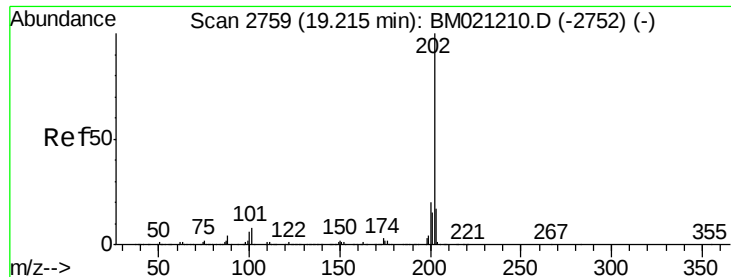
#74
 Carbazole
 Concen: 1.133 ng/ul
 RT: 17.56 min Scan# 2477
 Delta R.T. -0.01 min
 Lab File: BM021257.D
 Acq: 29 Jun 2019 12:13

Tgt Ion:167 Resp: 80168
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.2
 139 13.3 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

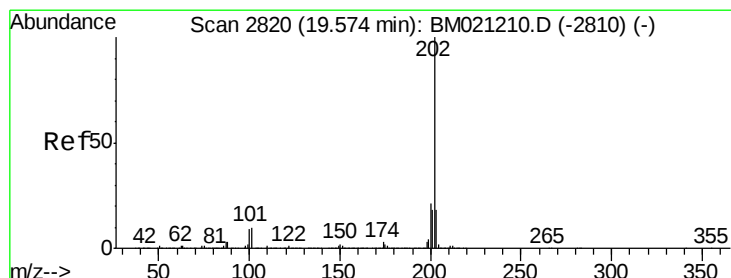
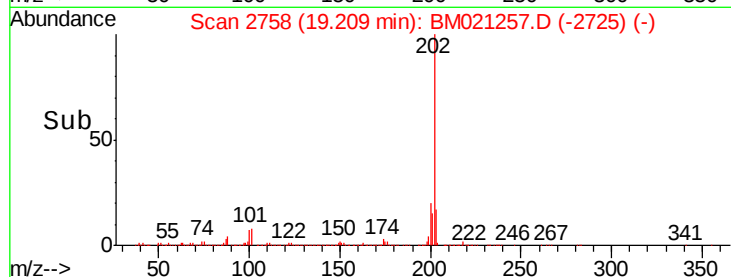
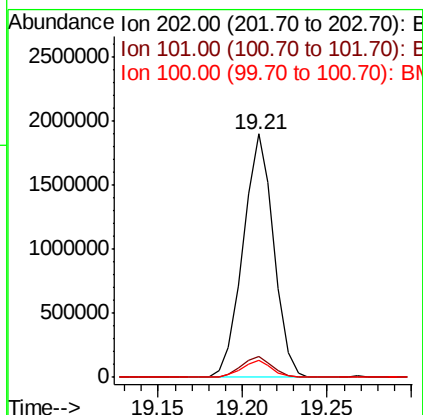
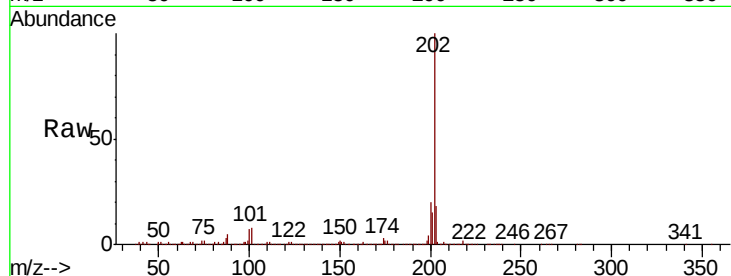




#76
 Fluoranthene
 Concen: 26.219 ng/ul
 RT: 19.21 min Scan# 2758
 Delta R.T. -0.01 min
 Lab File: BM021257.D
 Acq: 29 Jun 2019 12:13

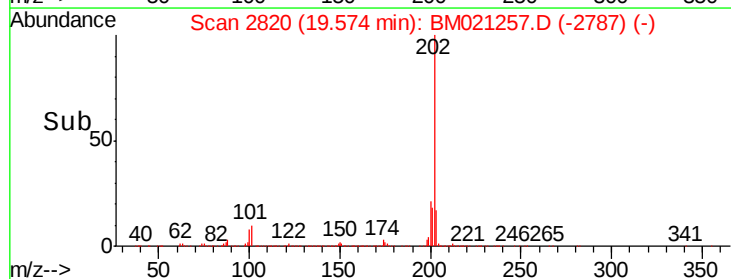
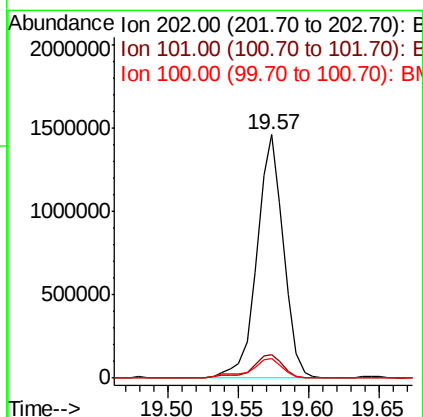
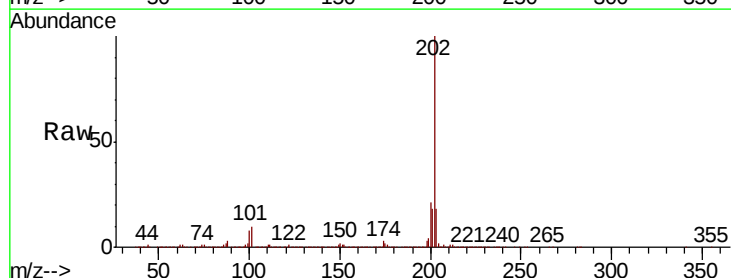
Instrument :
 BNA_M
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 C5BB9

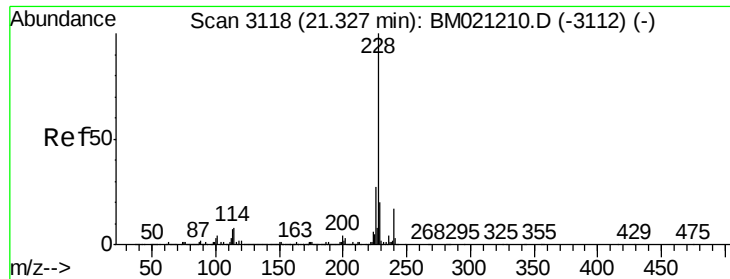
Tgt Ion:202 Resp: 2386271
 Ion Ratio Lower Upper
 202 100
 101 8.4 6.7 10.1
 100 6.9 5.5 8.3



#79
 Pyrene
 Concen: 20.557 ng/ul
 RT: 19.57 min Scan# 2820
 Delta R.T. -0.01 min
 Lab File: BM021257.D
 Acq: 29 Jun 2019 12:13

Tgt Ion:202 Resp: 1932406
 Ion Ratio Lower Upper
 202 100
 101 9.9 8.1 12.1
 100 8.0 6.6 10.0





#82

Benzo(a)anthracene

Concen: 10.194 ng/ul

RT: 21.32 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM021257.D

Acq: 29 Jun 2019 12:13

Instrument :

BNA_M

ClientSampleId :

C5BB9

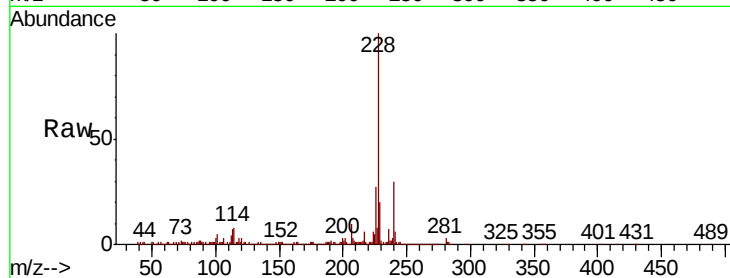
Tgt Ion:228 Resp: 924139

Ion Ratio Lower Upper

228 100

229 20.4 15.8 23.8

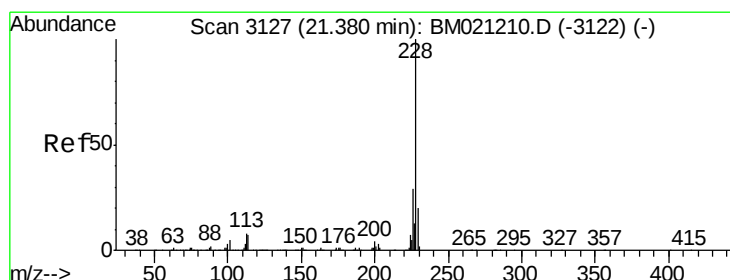
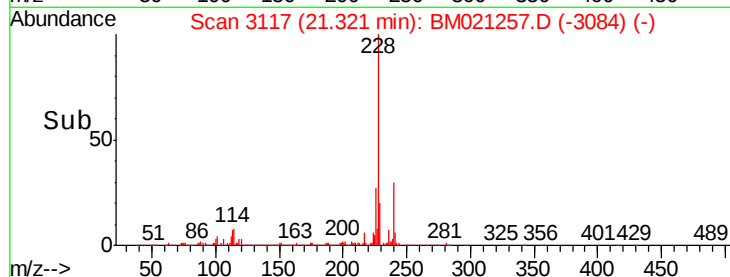
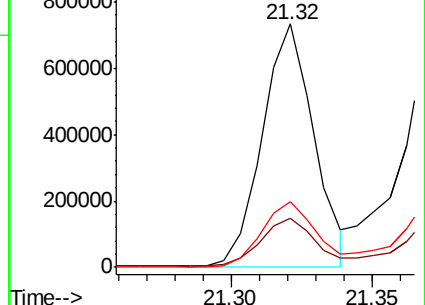
226 27.1 21.4 32.2



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



#84

Chrysene

Concen: 11.797 ng/ul

RT: 21.37 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BM021257.D

Acq: 29 Jun 2019 12:13

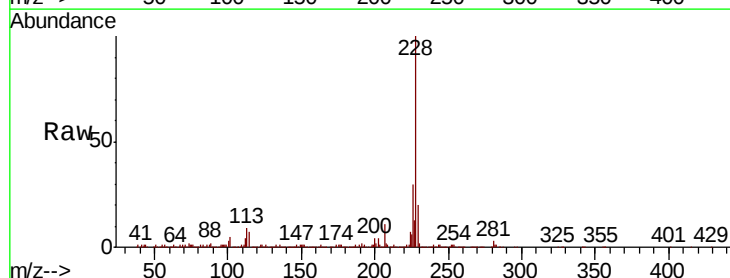
Tgt Ion:228 Resp: 1001578

Ion Ratio Lower Upper

228 100

226 30.0 23.9 35.9

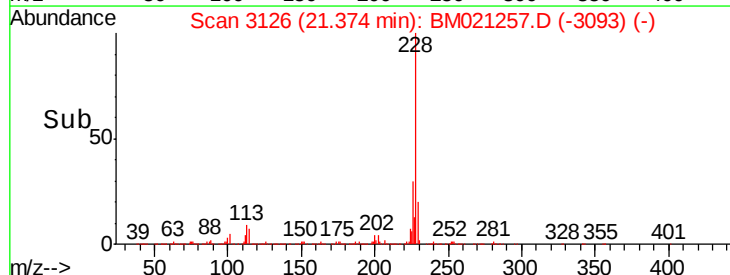
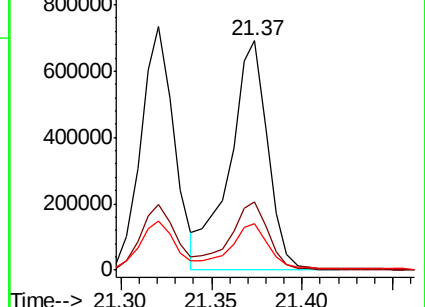
229 20.2 15.4 23.2

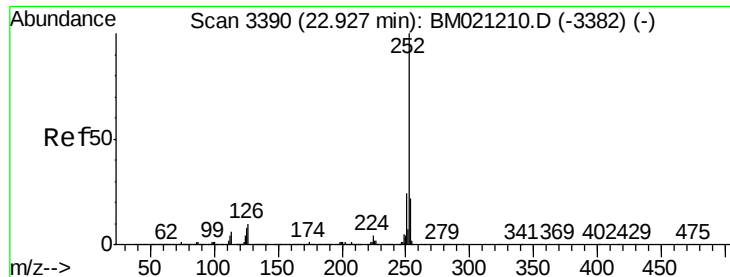


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 15.132 ng/ul

RT: 22.92 min Scan# 3389

Delta R.T. -0.01 min

Lab File: BM021257.D

Acq: 29 Jun 2019 12:13

Instrument :

BNA_M

ClientSampleId :

C5BB9

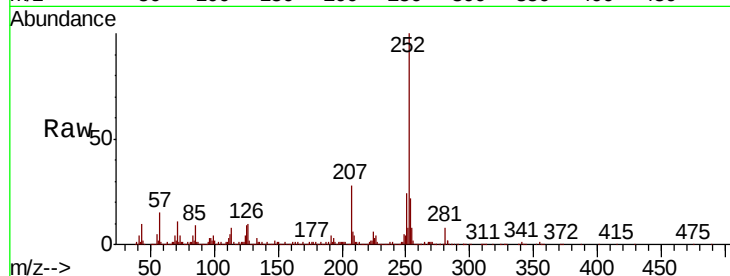
Tgt Ion:252 Resp: 1185916

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

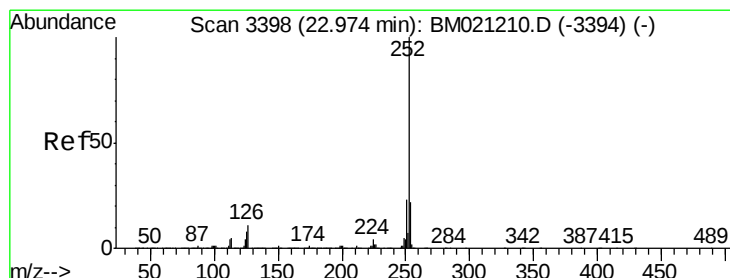
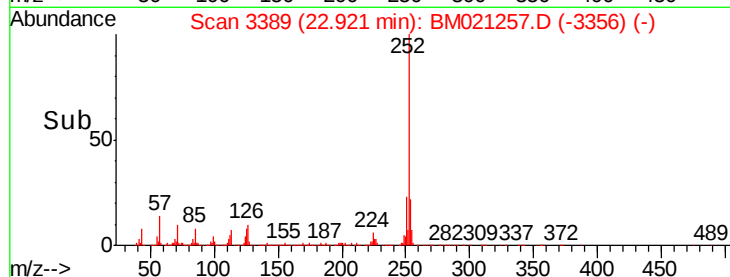
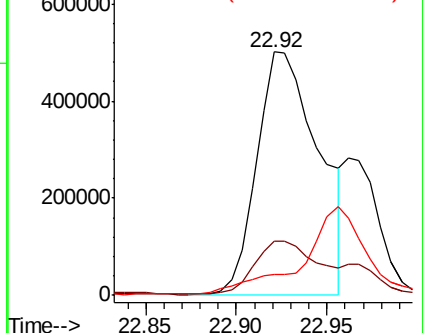
125 8.8 6.3 9.5



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: 15.729 ng/ul

RT: 22.92 min Scan# 3389

Delta R.T. -0.05 min

Lab File: BM021257.D

Acq: 29 Jun 2019 12:13

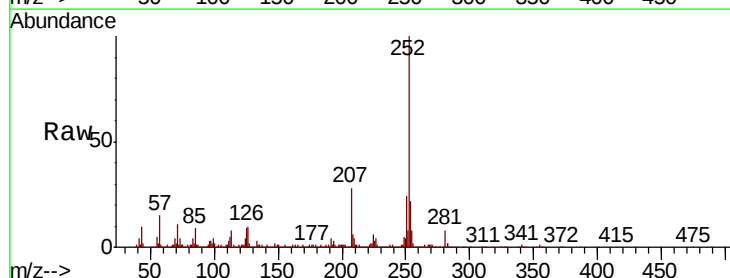
Tgt Ion:252 Resp: 1185916

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

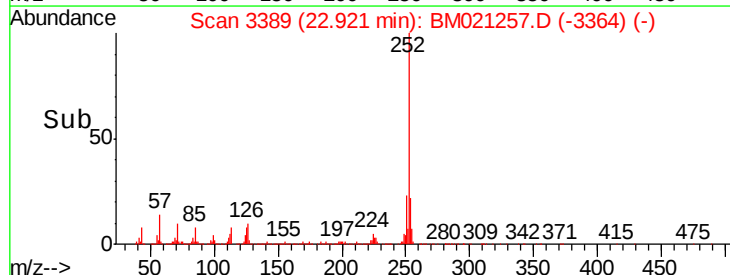
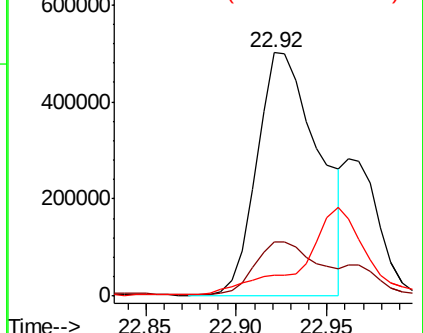
125 8.8 6.6 9.8

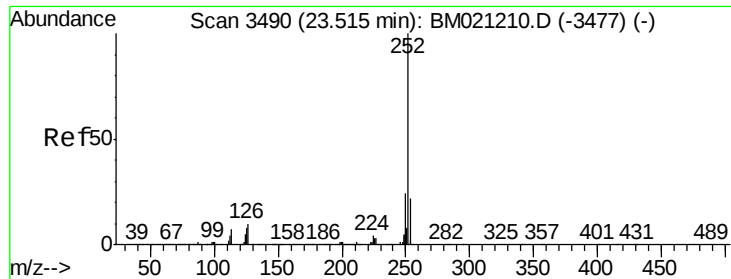


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 9.086 ng/ul

RT: 23.51 min Scan# 3489

Delta R.T. -0.01 min

Lab File: BM021257.D

Acq: 29 Jun 2019 12:13

Instrument :

BNA_M

ClientSampled :

C5BB9

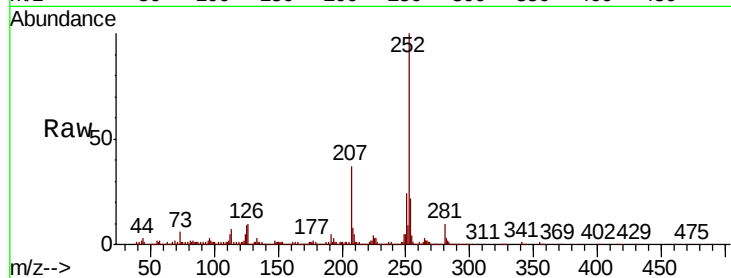
Tgt Ion:252 Resp: 670204

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

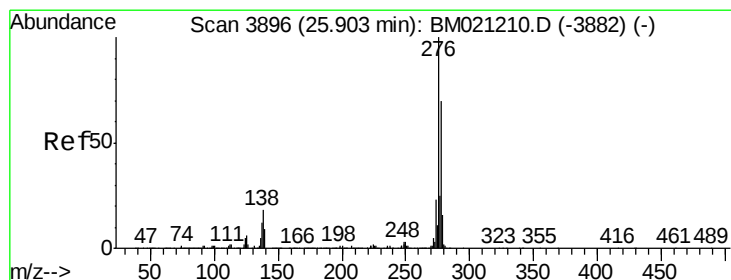
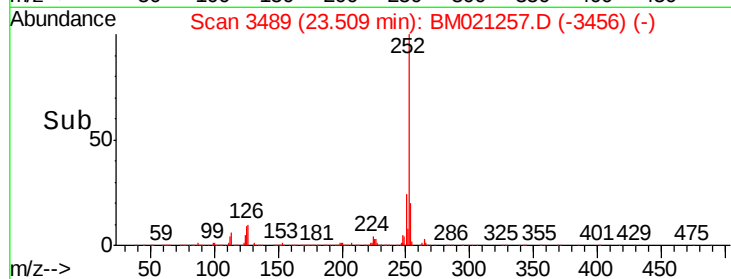
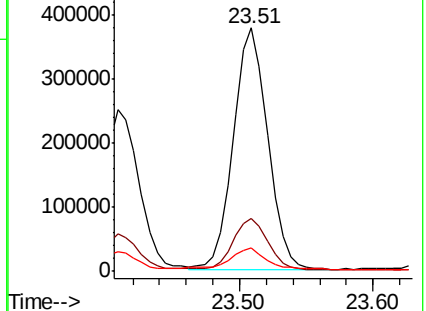
125 9.5 7.2 10.8



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: 5.353 ng/ul

RT: 25.89 min Scan# 3894

Delta R.T. -0.01 min

Lab File: BM021257.D

Acq: 29 Jun 2019 12:13

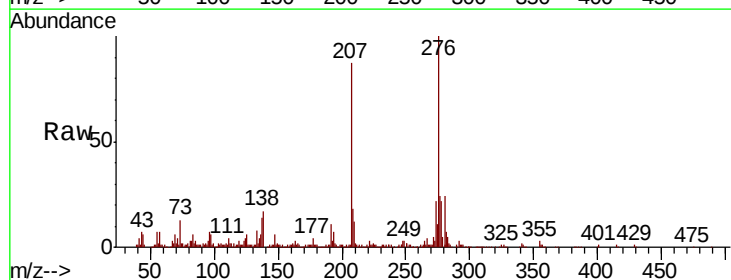
Tgt Ion:276 Resp: 465007

Ion Ratio Lower Upper

276 100

138 17.1 15.9 23.9

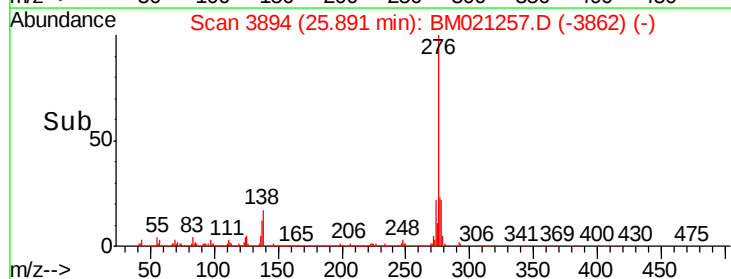
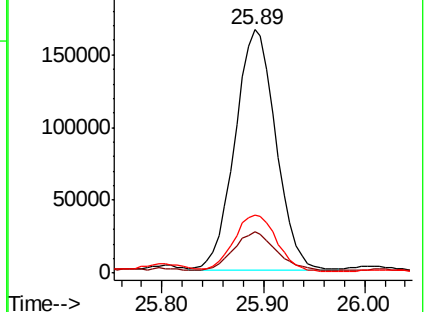
277 24.0 20.4 30.6

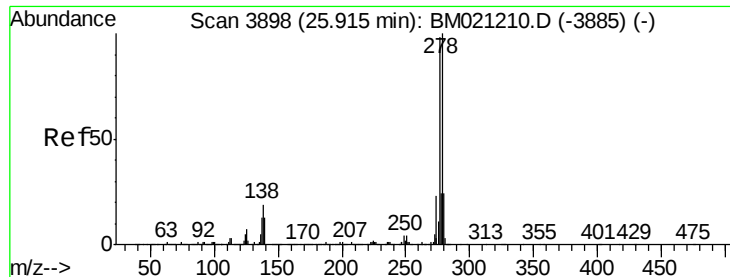


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 1.727 ng/ul

RT: 25.90 min Scan# 3895

Delta R.T. -0.02 min

Lab File: BM021257.D

Acq: 29 Jun 2019 12:13

Instrument :

BNA_M

ClientSampleId :

C5BB9

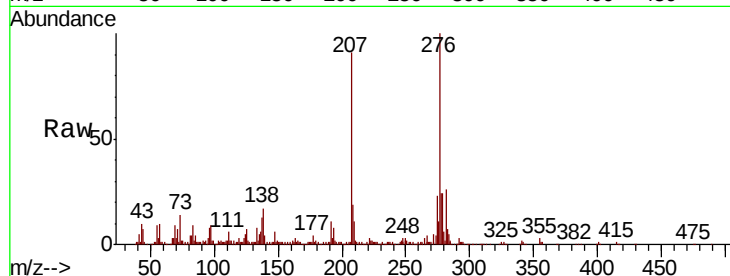
Tgt Ion: 278 Resp: 126222

Ion Ratio Lower Upper

278 100

139 18.4 10.6 15.8#

279 25.9 19.0 28.4

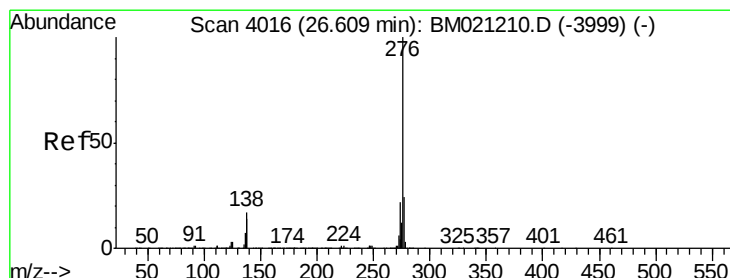
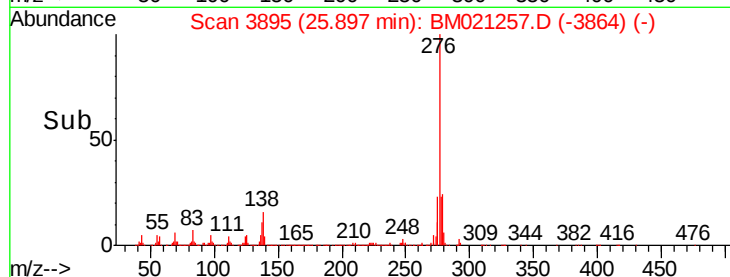
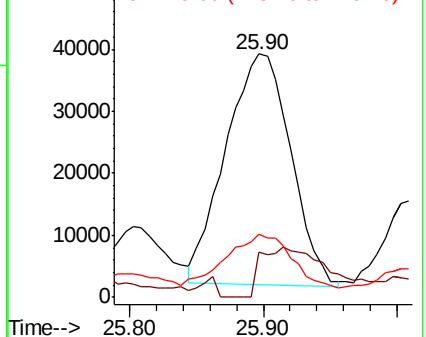


Abundance

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: 5.156 ng/ul

RT: 26.60 min Scan# 4014

Delta R.T. -0.01 min

Lab File: BM021257.D

Acq: 29 Jun 2019 12:13

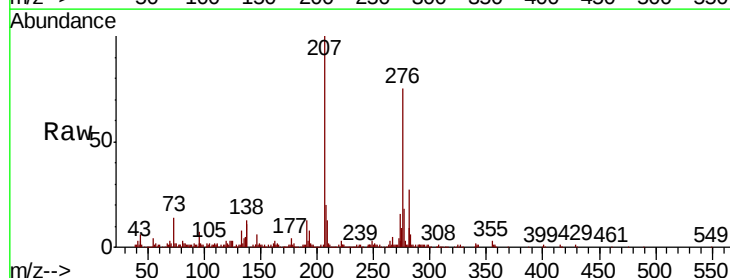
Tgt Ion: 276 Resp: 368843

Ion Ratio Lower Upper

276 100

138 17.0 14.6 21.8

277 23.7 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

