

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
 Data File : BM022250.D
 Acq On : 23 Aug 2019 11:28
 Operator : HP/JU
 Sample : K4183-20
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 23 12:28:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 22 19:41:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	35538	20.00	ng/ul	0.00
18) Naphthalene-d8	10.33	136	156110	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	108491	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	250120	20.00	ng/ul	0.00
77) Chrysene-d12	21.19	240	289834	20.00	ng/ul	0.00
85) Perylene-d12	23.38	264	259096	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	1429	1.80	ng/uL	0.01
5) Phenol-d5	6.75	99	32389	10.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	20852	11.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	28439	11.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	25126	9.45	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	13838	11.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	15671	11.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	31617	11.46	ng/ul	0.00
29) 4-Chloroaniline-d4	10.51	131	29098	8.67	ng/ul	0.01
43) Dimethylphthalate-d6	13.64	166	126646	13.26	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	131261	12.75	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	9539	6.74	ng/ul	0.02
57) Fluorene-d10	15.22	176	106658	13.46	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	15356	7.96	ng/ul	0.00
70) Anthracene-d10	17.08	188	178913	13.51	ng/ul	0.00
78) Pyrene-d10	19.39	212	240932	15.99	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.24	264	203344	14.29	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	6.77	94	4048	1.233 ng/ul#	83
14) Acetophenone	8.42	105	555	0.121 ng/ul#	82
15) N-Nitroso-di-n-propylamine	8.28	70	599	0.258 ng/ul#	1
21) Isophorone	9.44	82	2155	0.345 ng/ul#	66
28) Naphthalene	10.38	128	311	0.036 ng/ul#	69
44) Dimethylphthalate	13.69	163	31374	3.227 ng/ul	98
49) Acenaphthene	14.28	153	4934	0.651 ng/ul	90
53) Dibenzofuran	14.63	168	4762	0.422 ng/ul	87
58) Fluorene	15.27	166	7318	0.770 ng/ul#	95
69) Phenanthrene	17.02	178	102985	6.882 ng/ul	98
71) Anthracene	17.12	178	30568	1.963 ng/ul	99
74) Carbazole	17.40	167	12094	0.860 ng/ul	98
75) Di-n-butylphthalate	17.95	149	1214	0.068 ng/ul#	76
76) Fluoranthene	19.05	202	167288	7.419 ng/ul	99
79) Pyrene	19.42	202	139153	7.418 ng/ul	97
80) Butylbenzylphthalate	20.33	149	623	0.078 ng/ul#	75
81) 3,3'-Dichlorobenzidine	21.23	252	651	0.086 ng/ul#	21
82) Benzo(a)anthracene	21.17	228	83477	3.827 ng/ul	96
83) Bis(2-ethylhexyl)phthalate	21.10	149	3255	0.272 ng/ul#	96
84) Chrysene	21.22	228	60590	2.971 ng/ul	97
86) Di-n-octyl phthalate	21.96	149	327	0.017 ng/ul	100
87) Benzo(b)fluoranthene	22.73	252	78257	4.342 ng/ul#	95
88) Benzo(k)fluoranthene	22.76	252	26103	1.493 ng/ul#	97

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QLast Update : Thu Aug 22 19:41:45 2019
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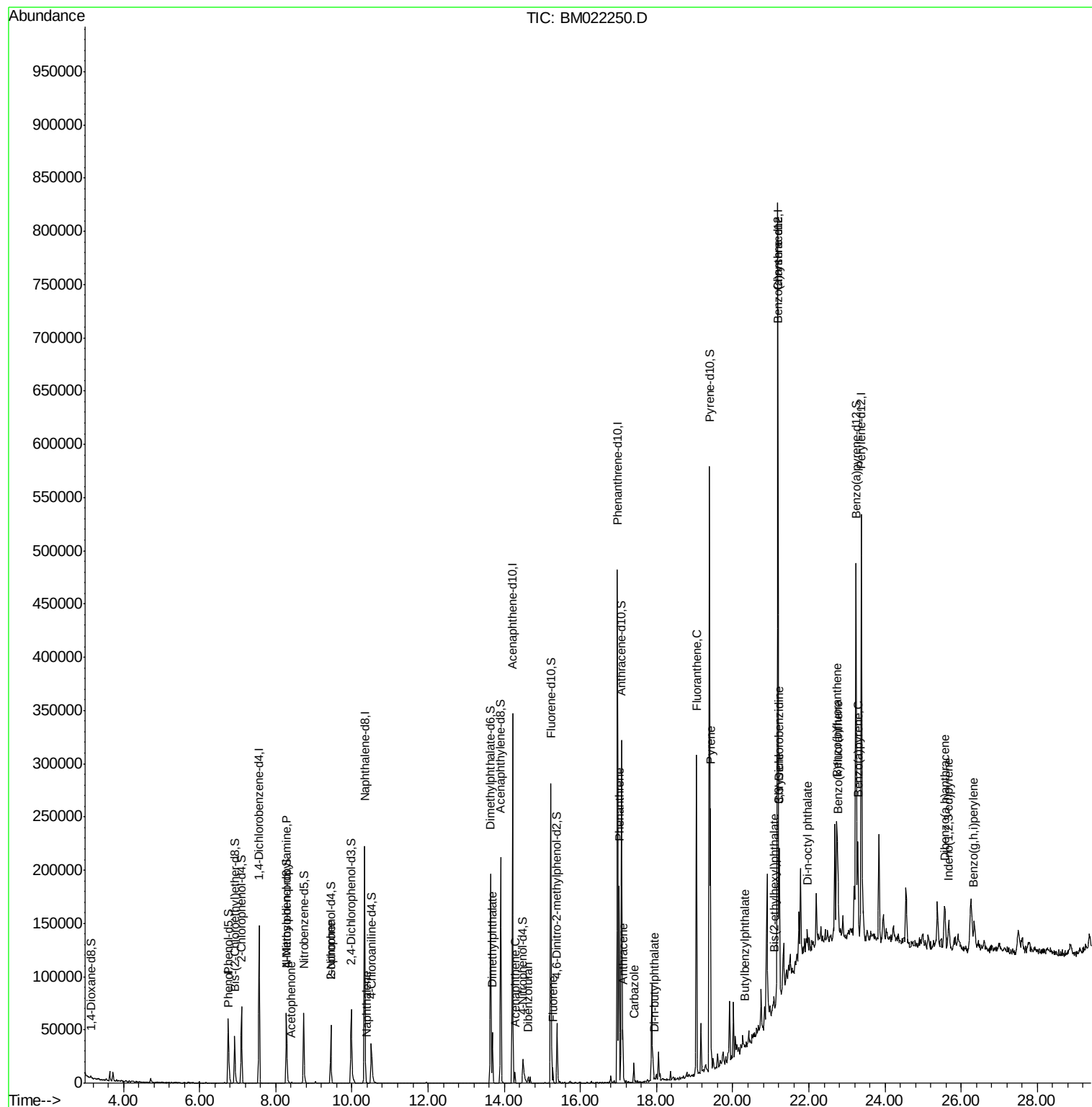
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	23.29	252	55514	3.231	ng/ul#	92
91) Indeno(1,2,3-cd)pyrene	25.66	276	251	0.013	ng/ul#	55
92) Dibenzo(a,h)anthracene	25.57	278	6359	0.375	ng/ul#	88
93) Benzo(g,h,i)perylene	26.32	276	135	0.009	ng/ul#	58

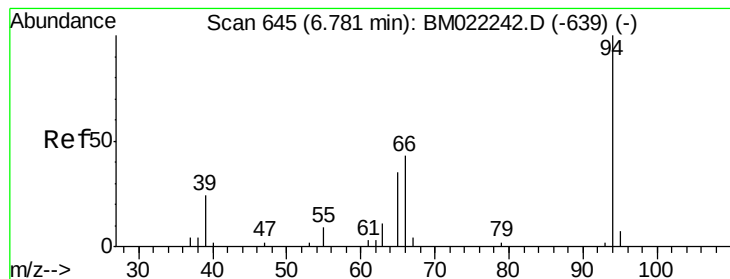
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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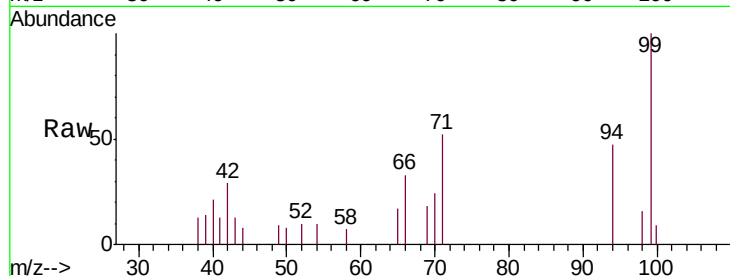
#6

Phenol

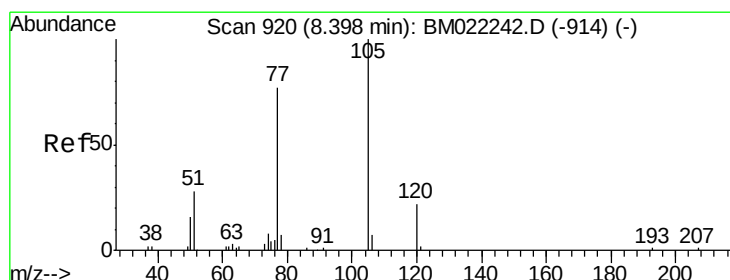
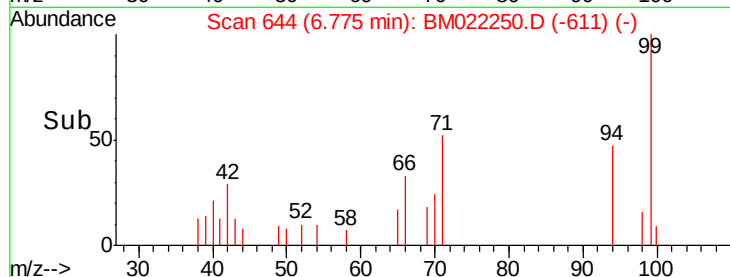
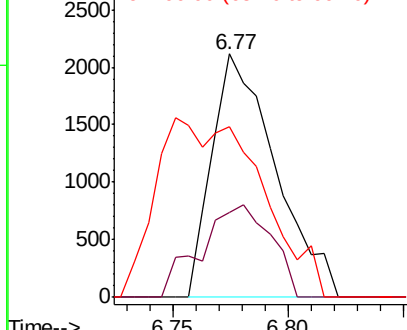
Concen: 1.233 ng/ul
 RT: 6.77 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BM022250.D
 Acq: 23 Aug 2019 11:28

Instrument :
 BNA_M
 ClientSampled :

Tot Ion: 94 Resp: 4048
 Ion Ratio Lower Upper
 94 100
 65 35.1 29.2 43.8
 66 70.3 40.6 60.8#



Abundance Ion 94.00 (93.70 to 94.70): BM0
 Ion 65.00 (64.70 to 65.70): BM0
 Ion 66.00 (65.70 to 66.70): BM0

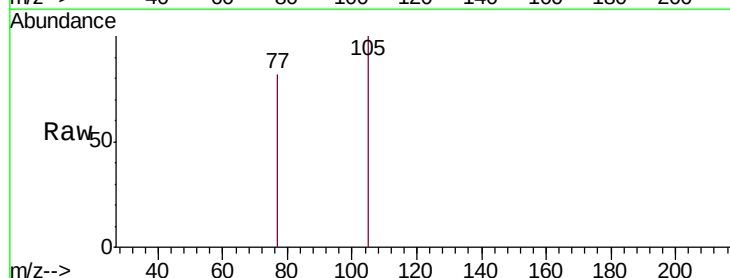


#14

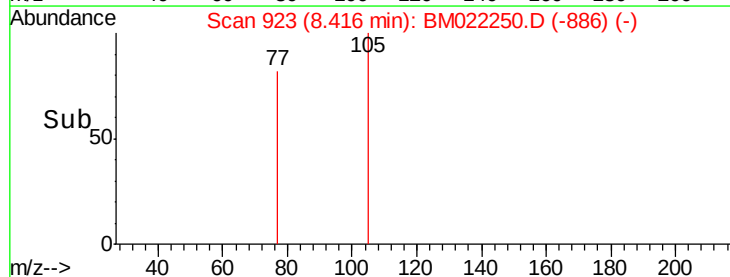
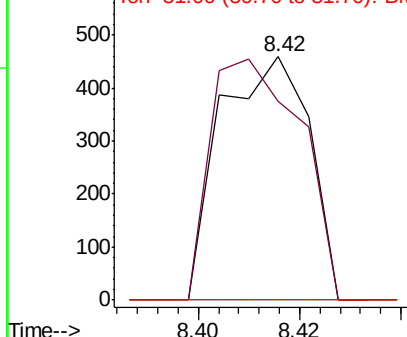
Acetophenone

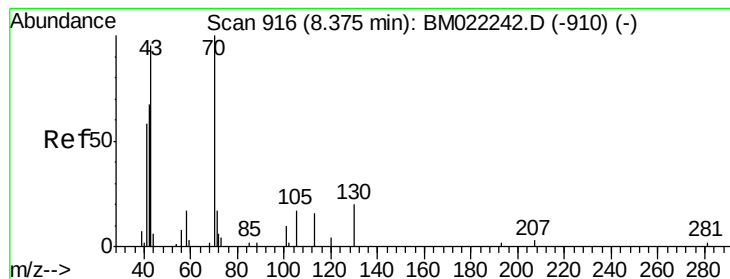
Concen: 0.121 ng/ul
 RT: 8.42 min Scan# 923
 Delta R.T. 0.02 min
 Lab File: BM022250.D
 Acq: 23 Aug 2019 11:28

Tgt Ion: 105 Resp: 555
 Ion Ratio Lower Upper
 105 100
 77 81.9 68.4 102.6
 51 0.0 25.0 37.4#



Abundance Ion 105.00 (104.70 to 105.70): E
 Ion 77.00 (76.70 to 77.70): BM0
 Ion 51.00 (50.70 to 51.70): BM0





#15

N-Nitroso-di-n-propylamine

Concen: 0.258 ng/ul

RT: 8.28 min Scan# 900

Delta R.T. -0.09 min

Lab File: BM022250.D

Acq: 23 Aug 2019 11:28

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 70 Resp: 599

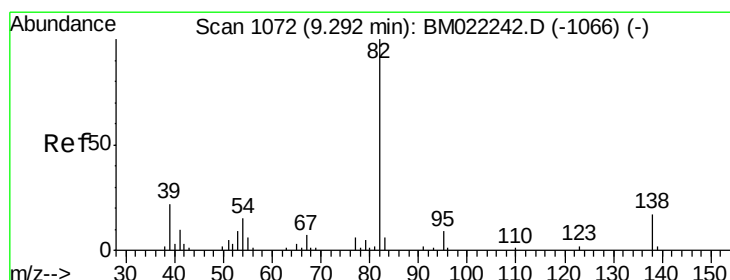
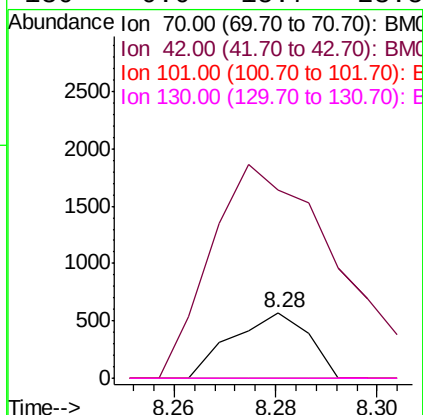
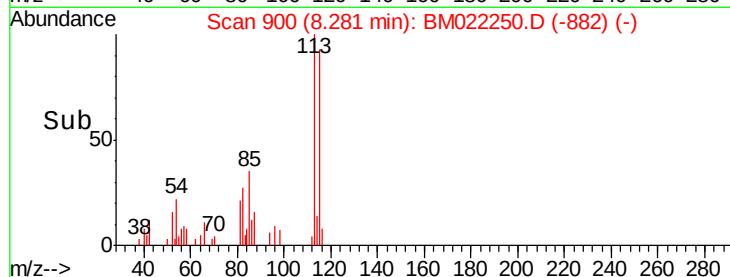
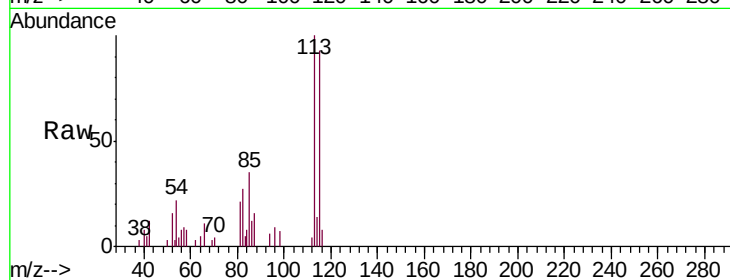
Ion Ratio Lower Upper

70 100

42 287.0 55.1 82.7#

101 0.0 8.0 12.0#

130 0.0 15.7 23.5#



#21

Isophorone

Concen: 0.345 ng/ul

RT: 9.44 min Scan# 1097

Delta R.T. 0.15 min

Lab File: BM022250.D

Acq: 23 Aug 2019 11:28

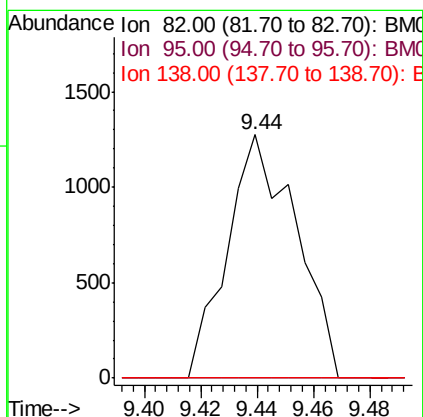
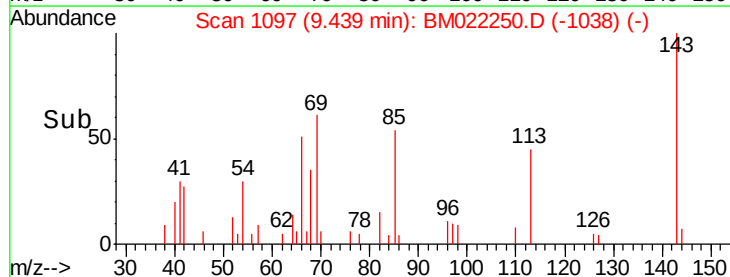
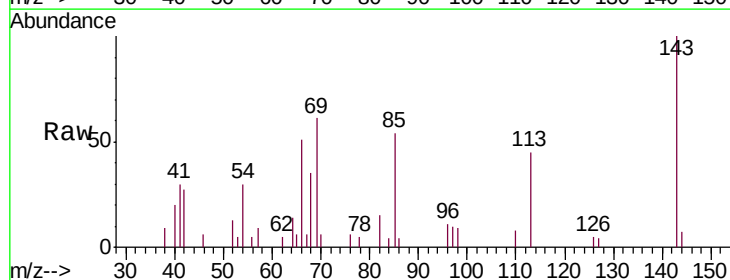
Tgt Ion: 82 Resp: 2155

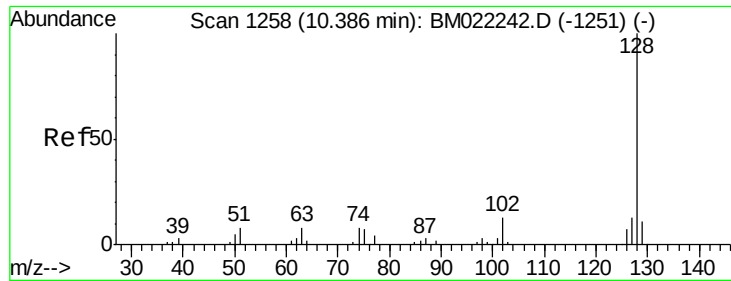
Ion Ratio Lower Upper

82 100

95 0.0 7.2 10.8#

138 0.0 13.8 20.6#

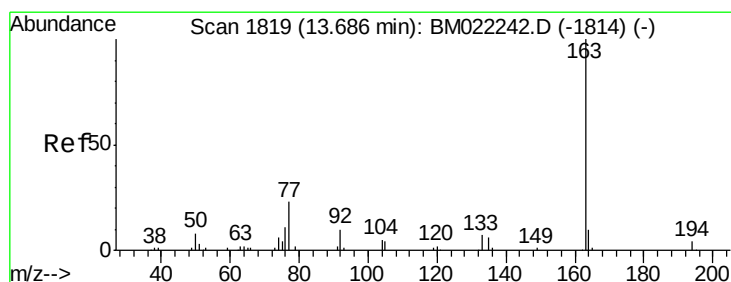
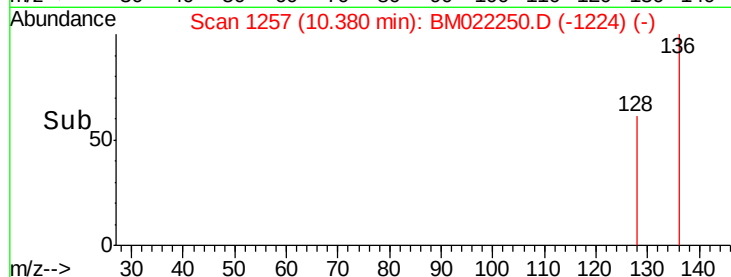
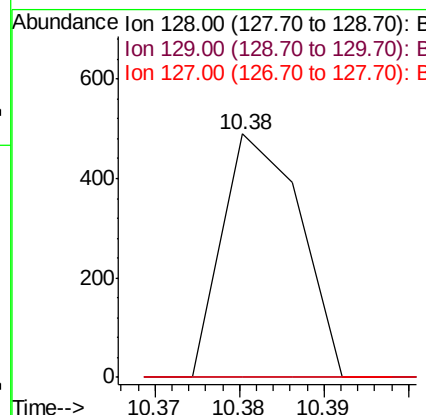
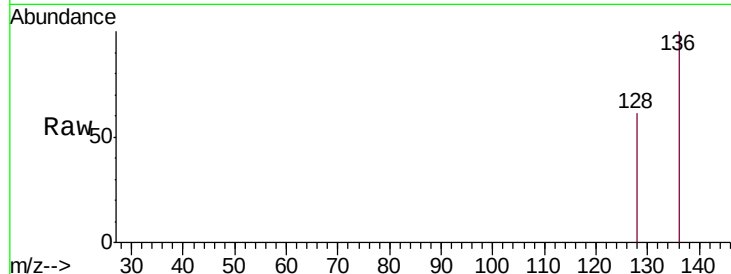




#28
Naphthalene
Concen: 0.036 ng/ul
RT: 10.38 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BM022250.D
Acq: 23 Aug 2019 11:28

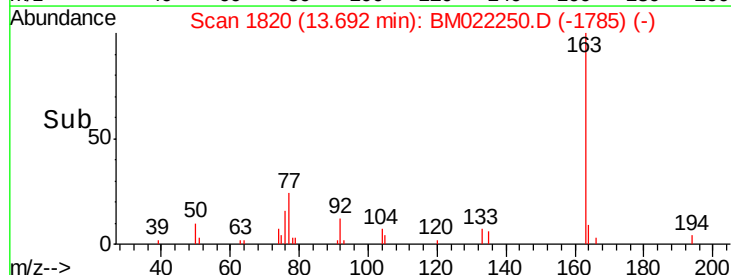
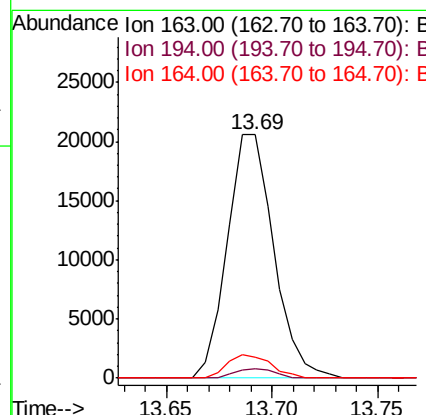
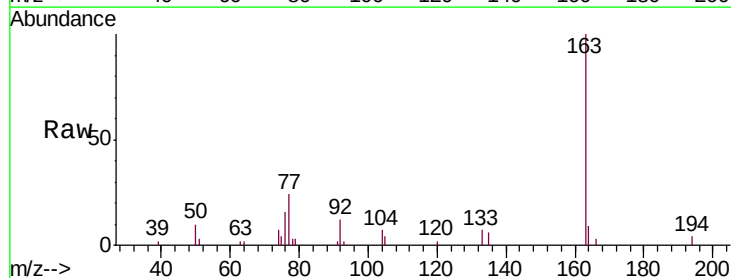
Instrument :
BNA_M
ClientSampleId :

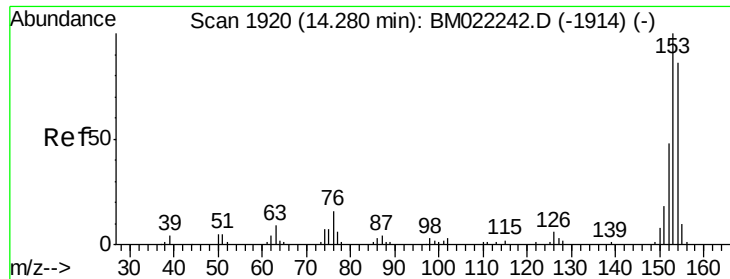
Tot Ion:128 Resp: 311
Ion Ratio Lower Upper
128 100
129 0.0 8.6 13.0#
127 0.0 10.4 15.6#



#44
Dimethylphthalate
Concen: 3.227 ng/ul
RT: 13.69 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BM022250.D
Acq: 23 Aug 2019 11:28

Tgt Ion:163 Resp: 31374
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 8.7 7.8 11.8





#49

Acenaphthene

Concen: 0.651 ng/ul

RT: 14.28 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM022250.D

Acq: 23 Aug 2019 11:28

Instrument :

BNA_M

ClientSampleId :

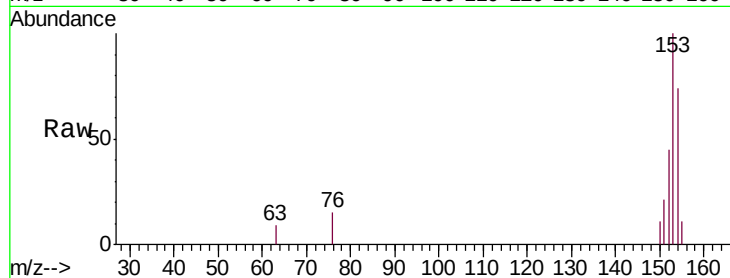
Tot Ion:153 Resp: 4934

Ion Ratio Lower Upper

153 100

152 45.1 38.6 58.0

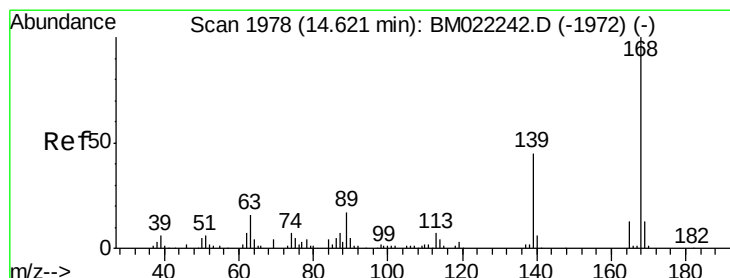
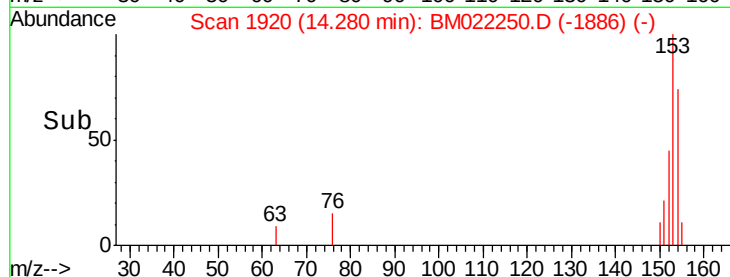
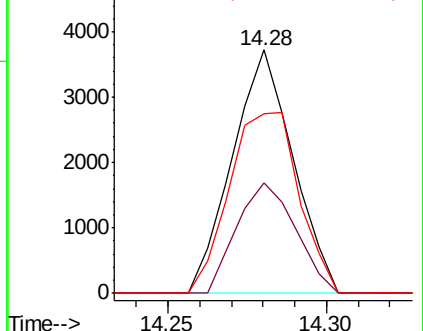
154 73.8 68.9 103.3



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: 0.422 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. 0.01 min

Lab File: BM022250.D

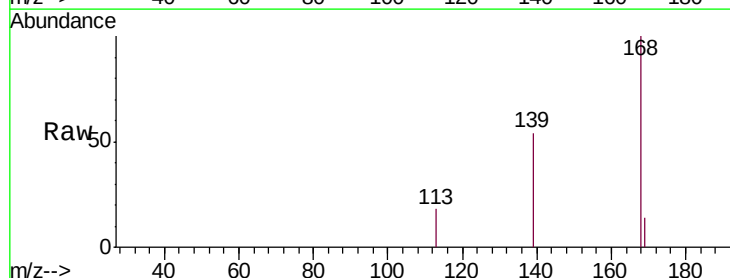
Acq: 23 Aug 2019 11:28

Tgt Ion:168 Resp: 4762

Ion Ratio Lower Upper

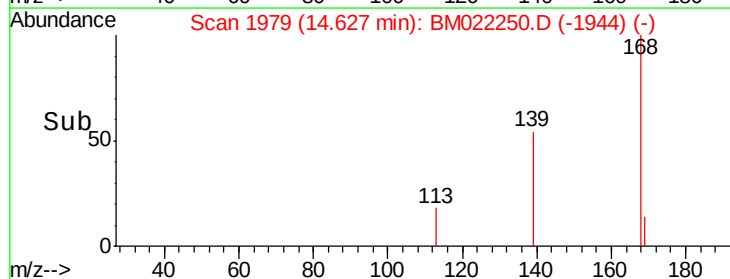
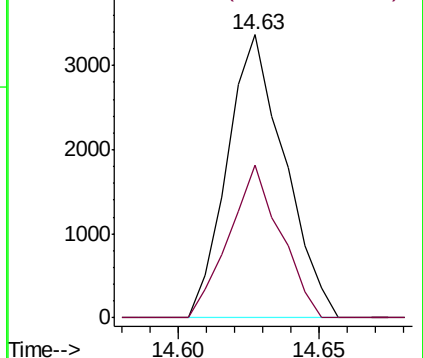
168 100

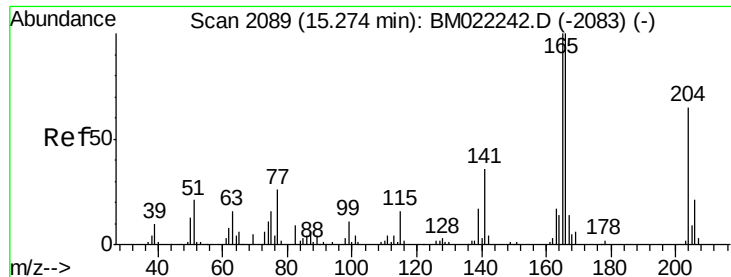
139 54.1 36.2 54.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

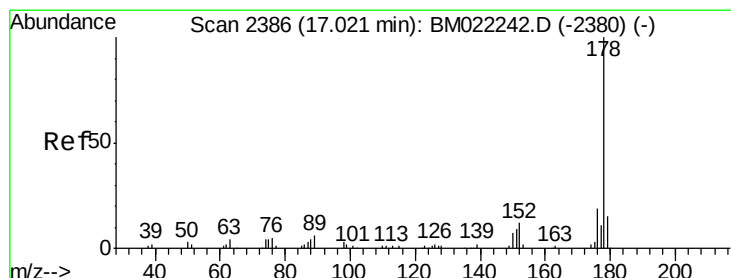
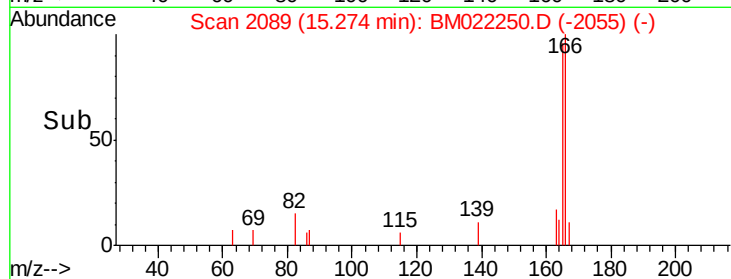
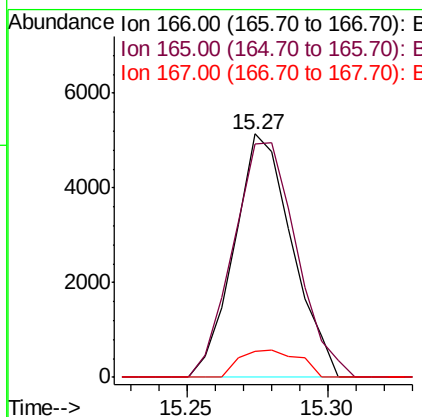
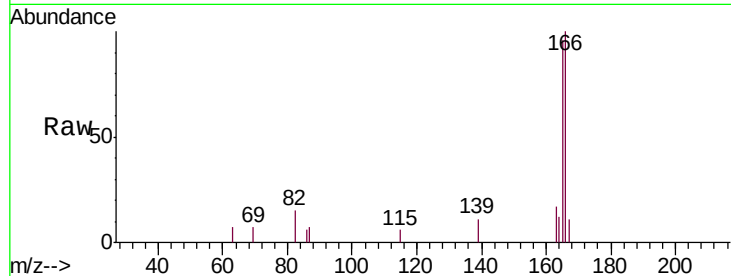




#58
 Fluorene
 Concen: 0.770 ng/ul
 RT: 15.27 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: BM022250.D
 Acq: 23 Aug 2019 11:28

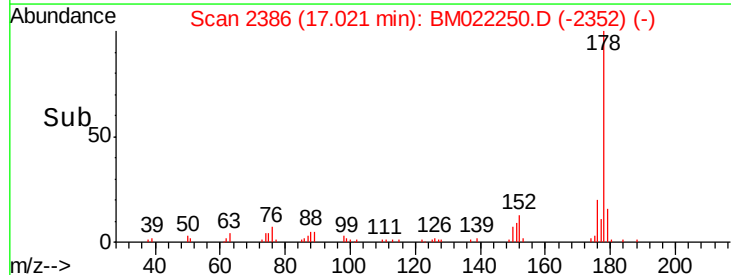
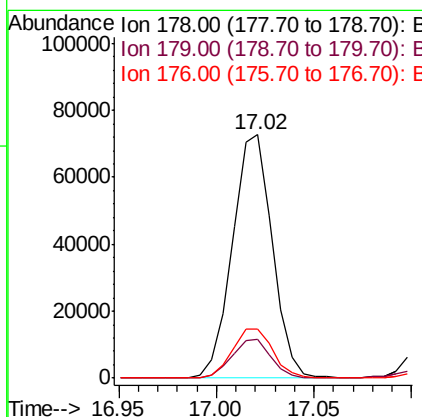
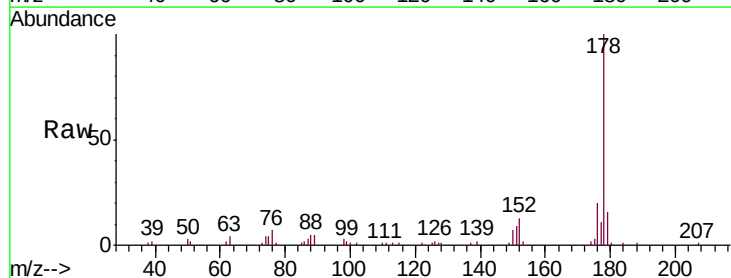
Instrument :
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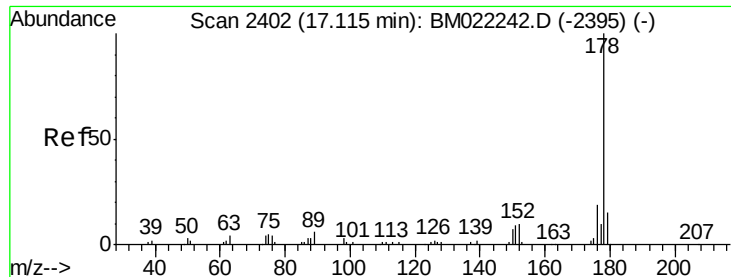
Tot Ion:166 Resp: 7318
 Ion Ratio Lower Upper
 166 100
 165 95.7 80.2 120.2
 167 10.5 11.4 17.0#



#69
 Phenanthrene
 Concen: 6.882 ng/ul
 RT: 17.02 min Scan# 2386
 Delta R.T. -0.00 min
 Lab File: BM022250.D
 Acq: 23 Aug 2019 11:28

Tgt Ion:178 Resp: 102985
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.4 18.6
 176 20.1 15.4 23.0

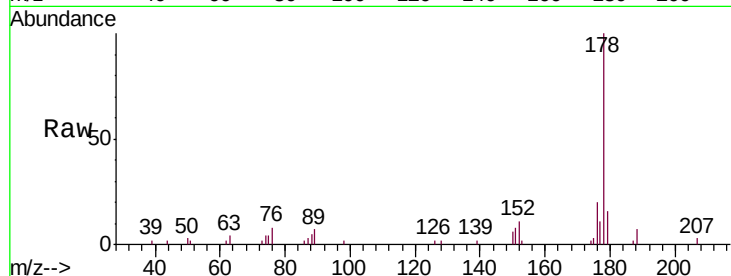




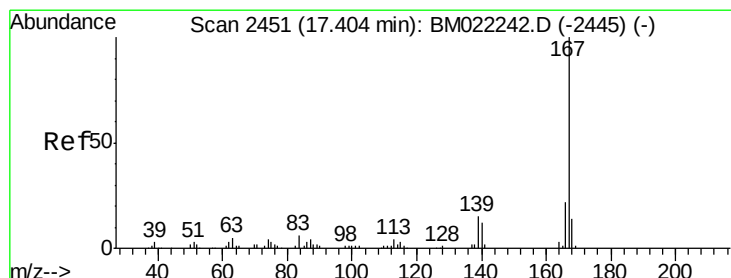
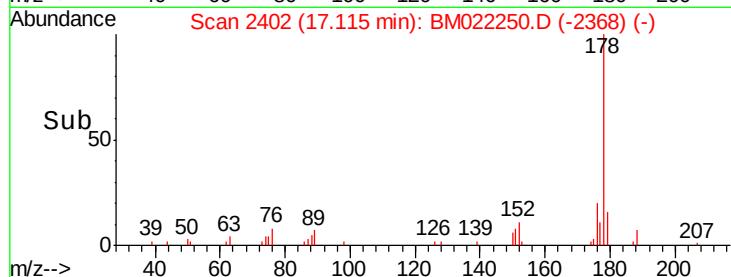
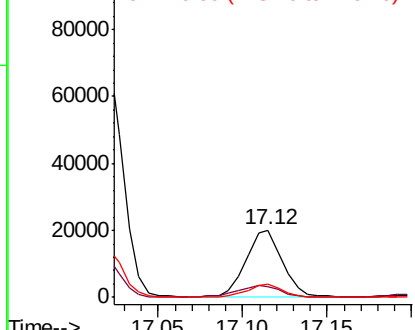
#71
 Anthracene
 Concen: 1.963 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. -0.00 min
 Lab File: BM022250.D
 Acq: 23 Aug 2019 11:28

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:178 Resp: 30568
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.3 18.5
 176 19.7 15.5 23.3

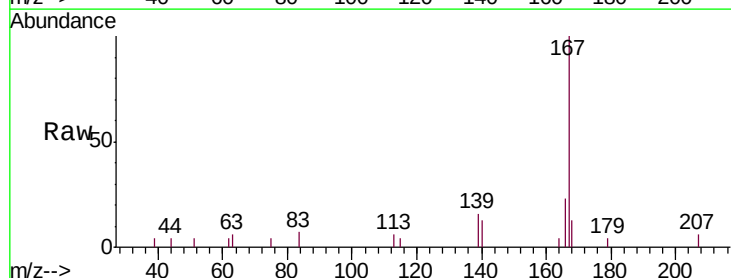


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

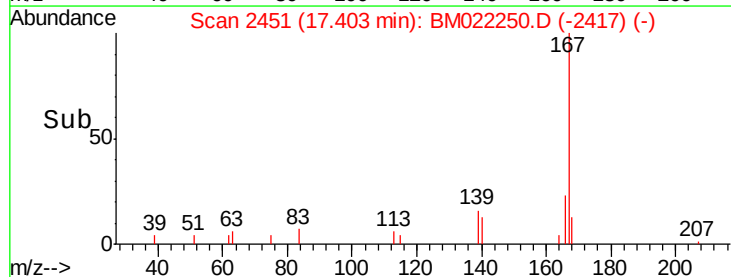
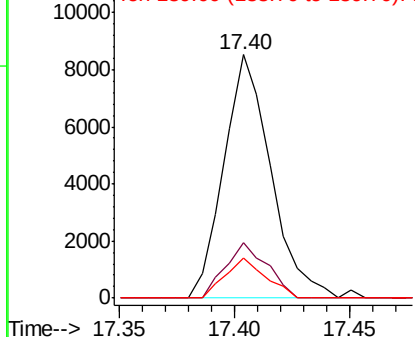


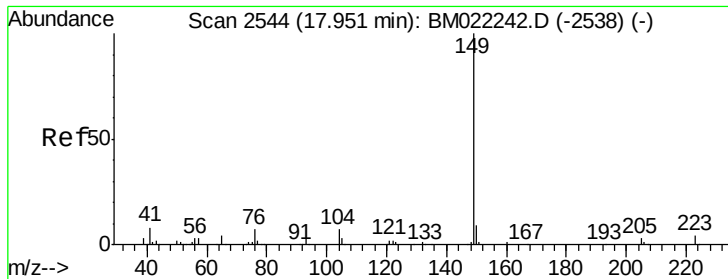
#74
 Carbazole
 Concen: 0.860 ng/ul
 RT: 17.40 min Scan# 2451
 Delta R.T. -0.00 min
 Lab File: BM022250.D
 Acq: 23 Aug 2019 11:28

Tgt Ion:167 Resp: 12094
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.8 26.8
 139 16.3 11.8 17.8



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

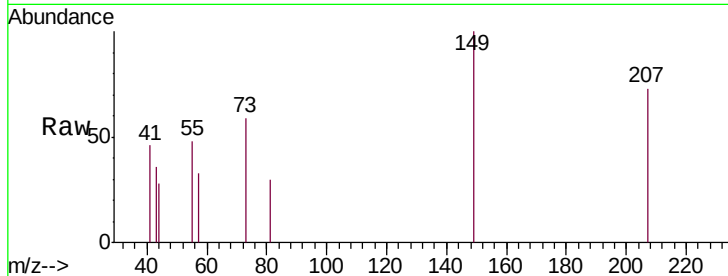




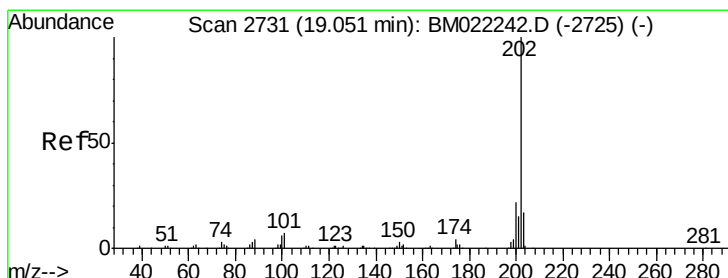
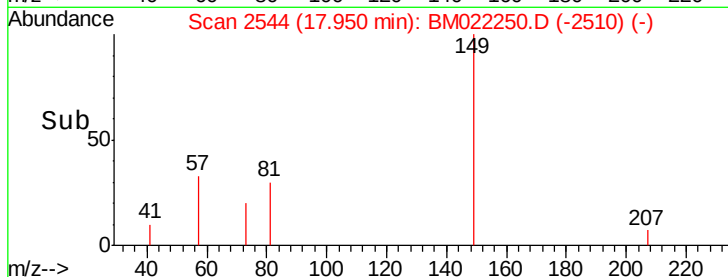
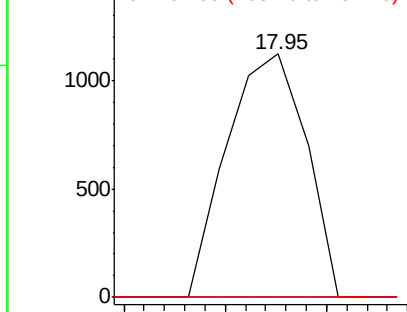
#75
Di-n-butylphthalate
Concen: 0.068 ng/ul
RT: 17.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: BM022250.D
Acq: 23 Aug 2019 11:28

Instrument :
BNA_M
ClientSampled :

Tot Ion:149 Resp: 1214
Ion Ratio Lower Upper
149 100
150 0.0 7.6 11.4#
104 0.0 5.8 8.8#

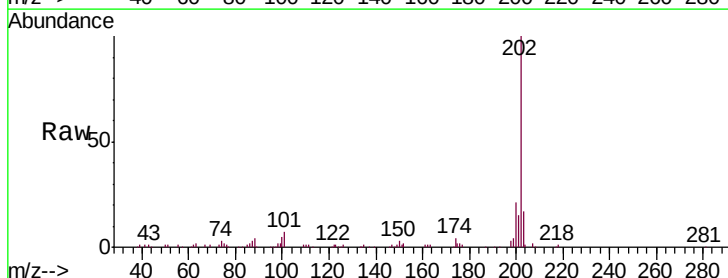


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

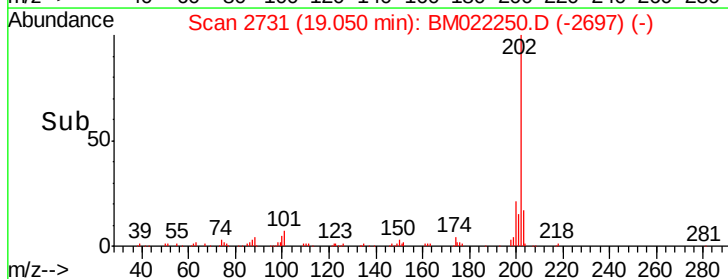
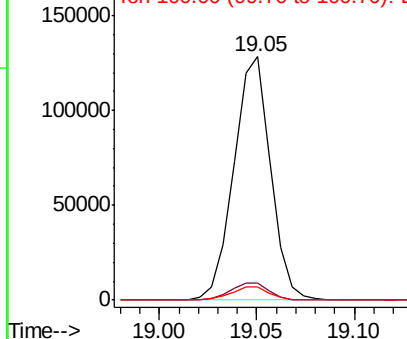


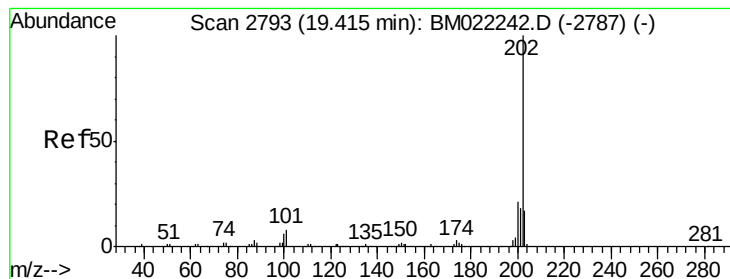
#76
Fluoranthene
Concen: 7.419 ng/ul
RT: 19.05 min Scan# 2731
Delta R.T. -0.00 min
Lab File: BM022250.D
Acq: 23 Aug 2019 11:28

Tgt Ion:202 Resp: 167288
Ion Ratio Lower Upper
202 100
101 7.0 5.3 7.9
100 5.4 4.6 6.8



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

Pvrene

Concen: 7.418 ng/ul

RT: 19.42 min Scan# 2793

Delta R.T. -0.00 min

Lab File: BM022250.D

Acq: 23 Aug 2019 11:28

Instrument :

BNA_M

ClientSampled :

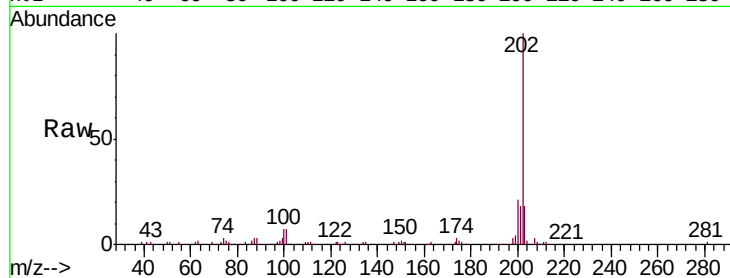
Tot Ion:202 Resp: 139153

Ion Ratio Lower Upper

202 100

101 7.1 7.0 10.4

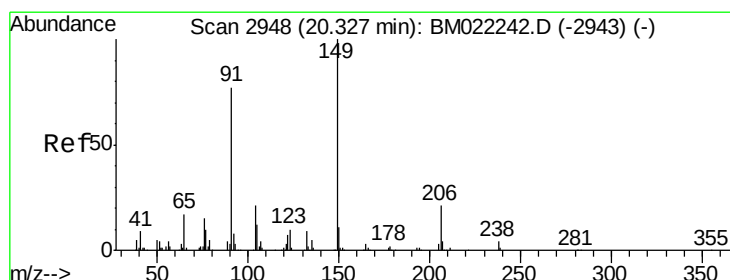
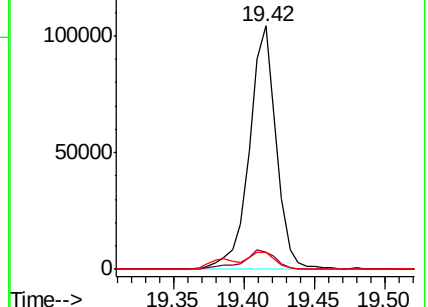
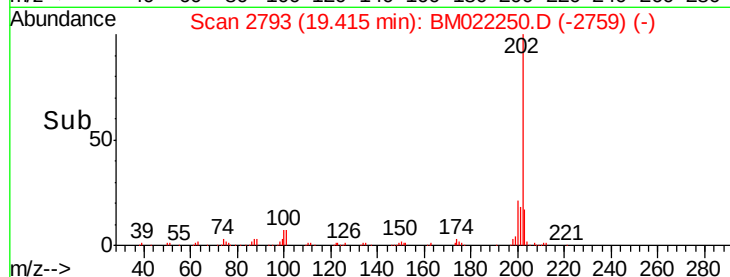
100 6.9 5.8 8.8



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



#80

Butylbenzylphthalate

Concen: 0.078 ng/ul

RT: 20.33 min Scan# 2948

Delta R.T. -0.00 min

Lab File: BM022250.D

Acq: 23 Aug 2019 11:28

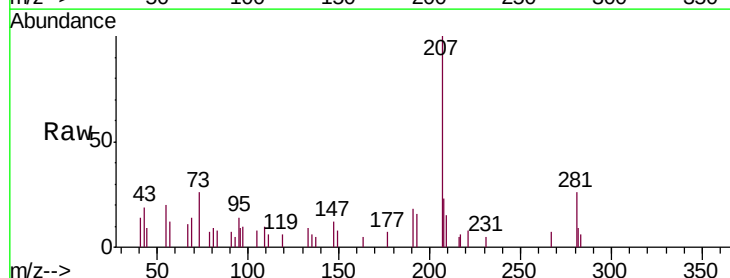
Tgt Ion:149 Resp: 623

Ion Ratio Lower Upper

149 100

91 94.0 61.8 92.8#

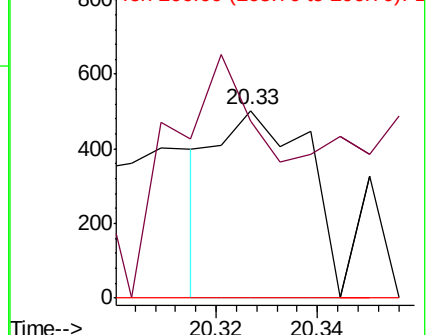
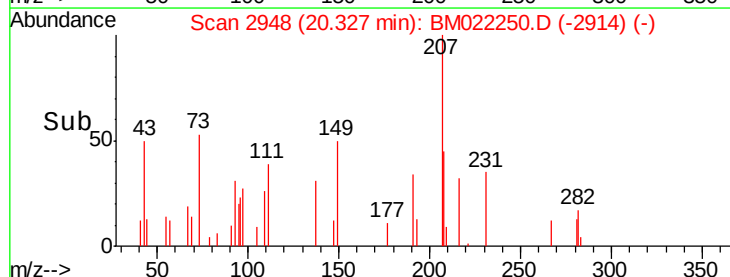
206 0.0 16.6 25.0#

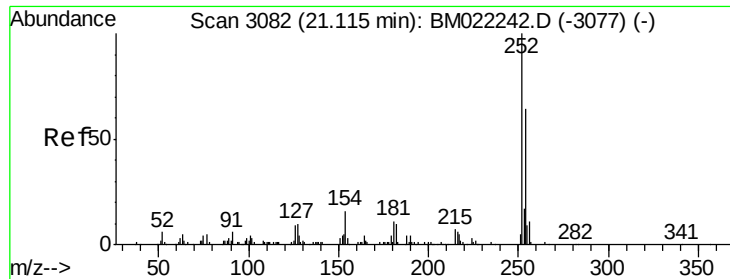


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E

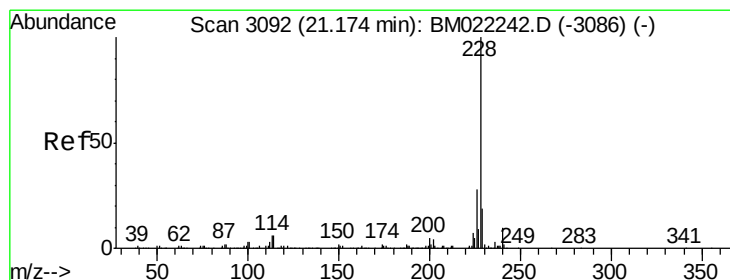
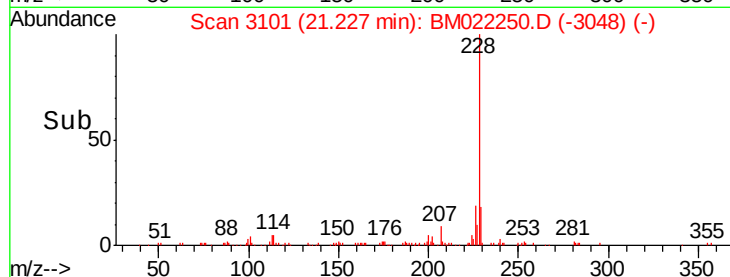
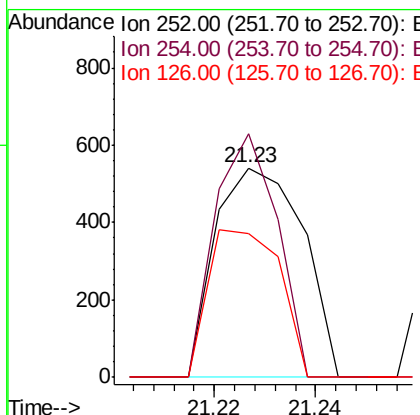
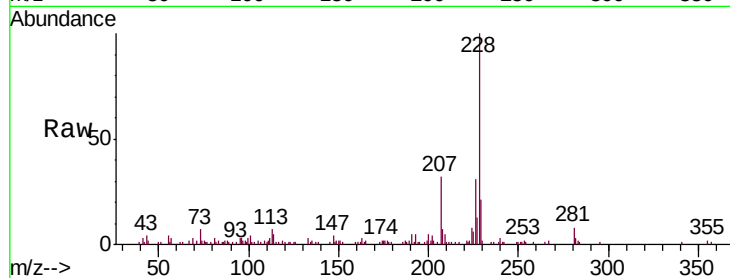




#81
 3,3'-Dichlorobenzidine
 Concen: 0.086 ng/ul
 RT: 21.23 min Scan# 3101
 Delta R.T. 0.11 min
 Lab File: BM022250.D
 Acq: 23 Aug 2019 11:28

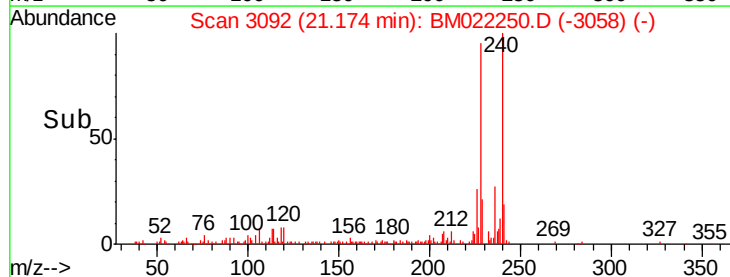
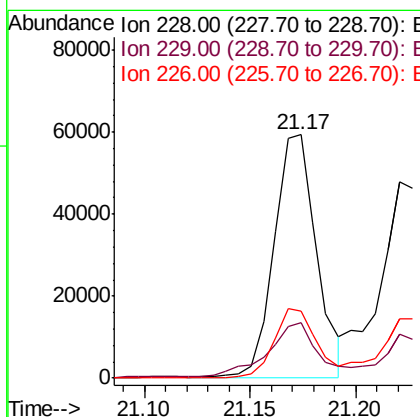
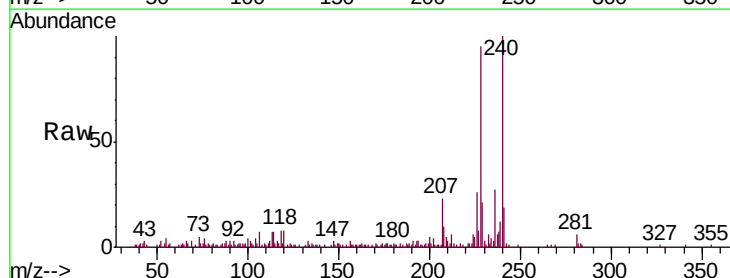
Instrument :
 BNA_M
 ClientSampleId :

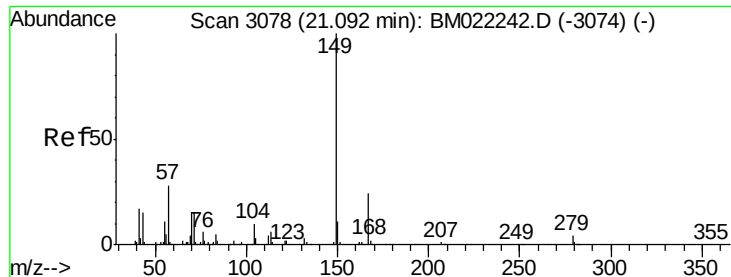
Tot Ion:252 Resp: 651
 Ion Ratio Lower Upper
 252 100
 254 116.3 51.3 76.9#
 126 68.4 7.3 10.9#



#82
 Benzo(a)anthracene
 Concen: 3.827 ng/ul
 RT: 21.17 min Scan# 3092
 Delta R.T. -0.00 min
 Lab File: BM022250.D
 Acq: 23 Aug 2019 11:28

Tgt Ion:228 Resp: 83477
 Ion Ratio Lower Upper
 228 100
 229 22.6 15.2 22.8
 226 27.3 22.3 33.5

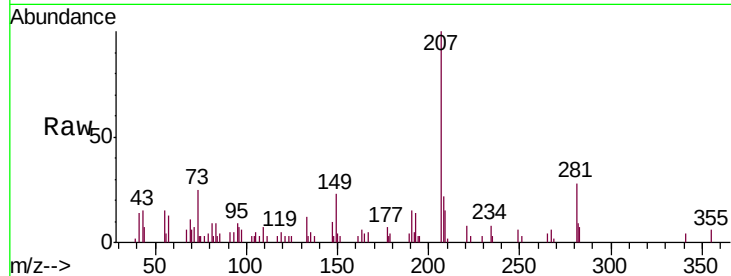




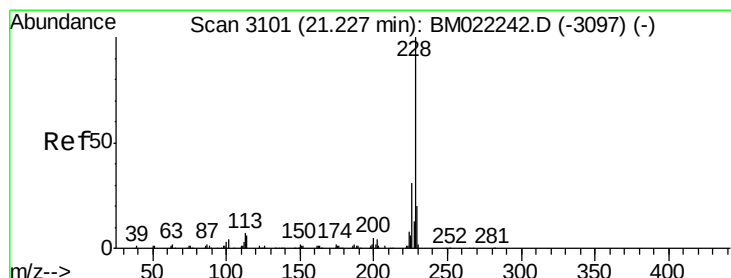
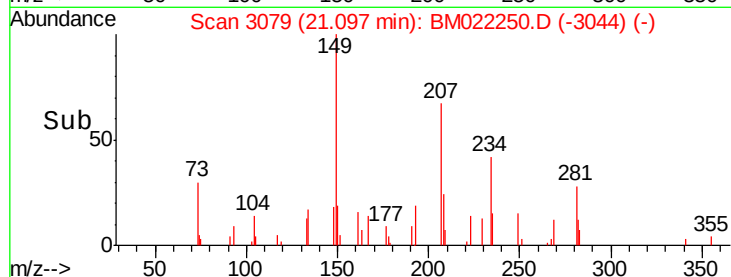
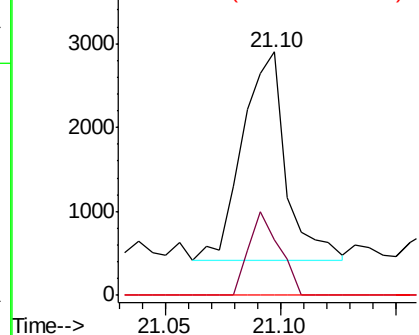
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.272 ng/ul
 RT: 21.10 min Scan# 3079
 Delta R.T. 0.01 min
 Lab File: BM022250.D
 Acq: 23 Aug 2019 11:28

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:149 Resp: 3255
 Ion Ratio Lower Upper
 149 100
 167 22.8 19.1 28.7
 279 0.0 3.3 4.9#

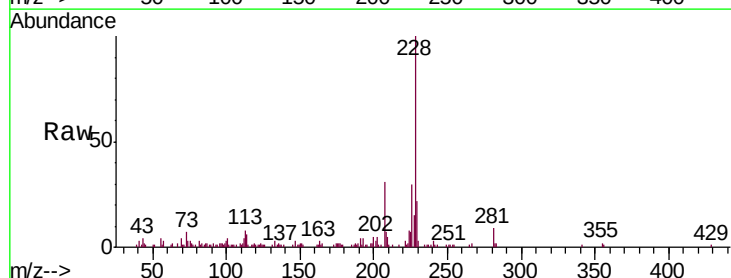


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

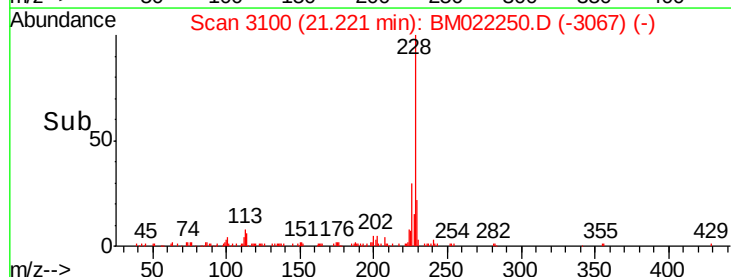
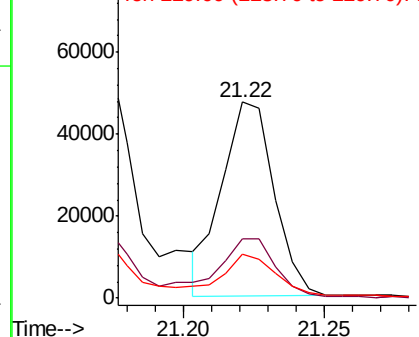


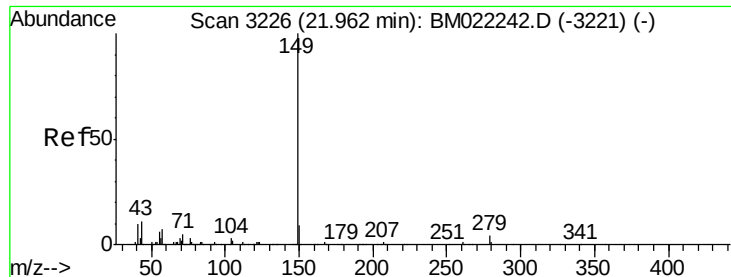
#84
 Chrysene
 Concen: 2.971 ng/ul
 RT: 21.22 min Scan# 3100
 Delta R.T. -0.01 min
 Lab File: BM022250.D
 Acq: 23 Aug 2019 11:28

Tgt Ion:228 Resp: 60590
 Ion Ratio Lower Upper
 228 100
 226 30.4 24.7 37.1
 229 22.3 15.7 23.5



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

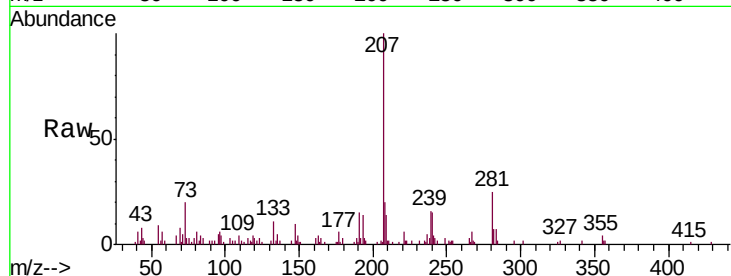




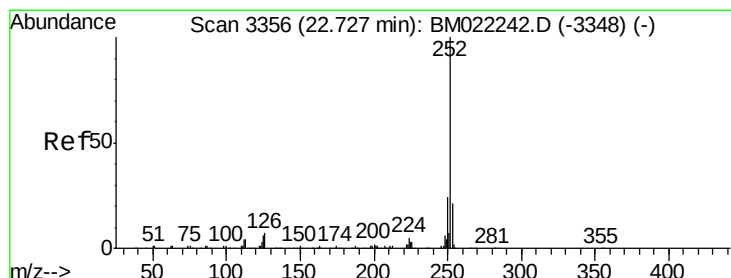
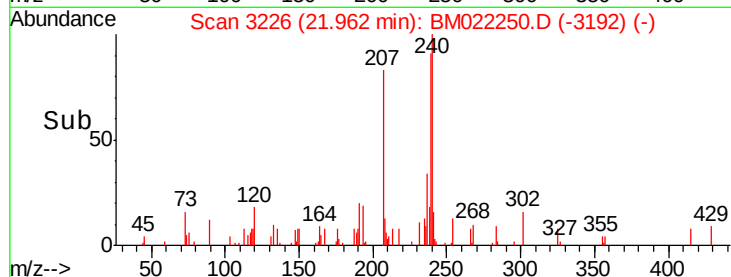
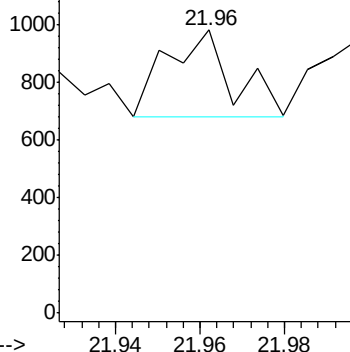
#86
Di-n-octyl phthalate
Concen: 0.017 ng/ul
RT: 21.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: BM022250.D
Acq: 23 Aug 2019 11:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:149 Resp: 327

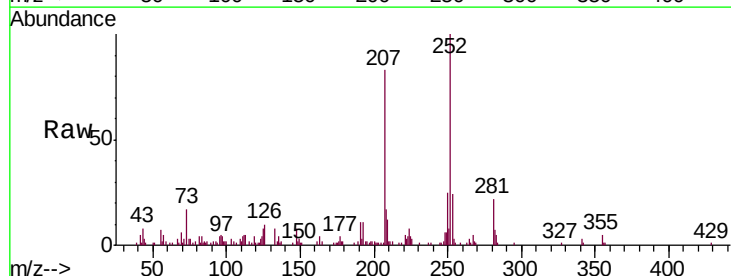


Abundance Ion 149.00 (148.70 to 149.70): E



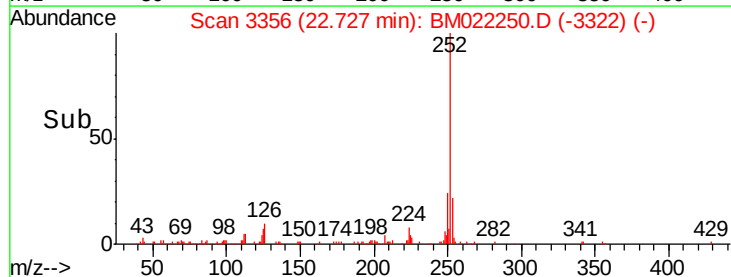
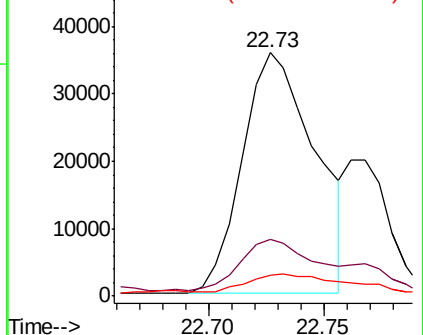
#87
Benzo(b)fluoranthene
Concen: 4.342 ng/ul
RT: 22.73 min Scan# 3356
Delta R.T. -0.00 min
Lab File: BM022250.D
Acq: 23 Aug 2019 11:28

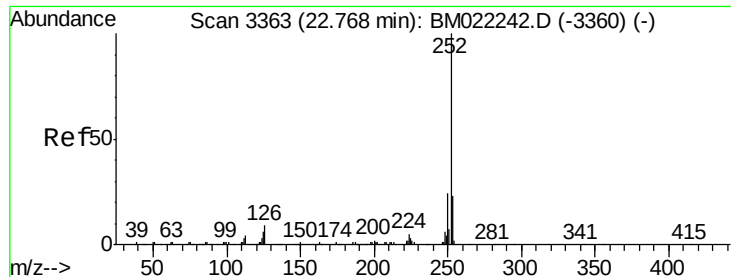
Tgt Ion:252 Resp: 78257
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 8.5 5.2 7.8#



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





#88

Benzo(k)fluoranthene

Concen: 1.493 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. -0.01 min

Lab File: BM022250.D

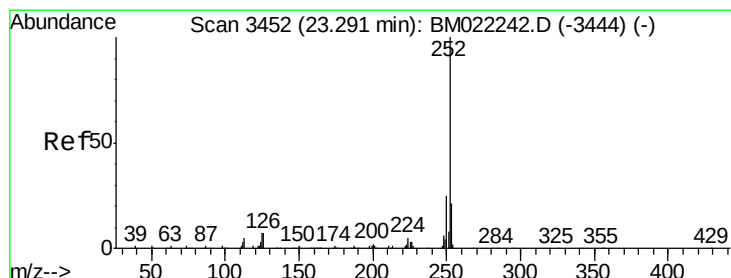
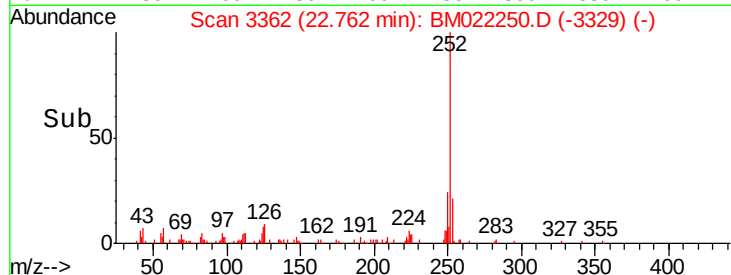
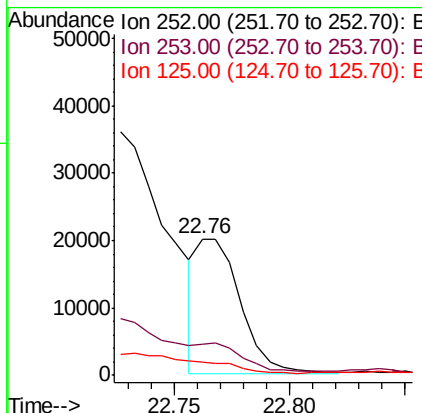
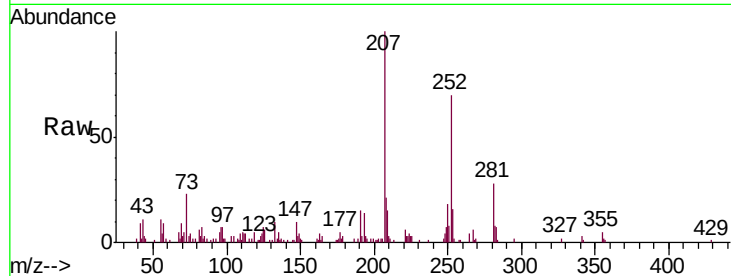
Acq: 23 Aug 2019 11:28

Instrument :

BNA_M

ClientSampled :

Tot Ion:252	Resp:	26103
Ion Ratio	Lower	Upper
252	100	
253	22.8	18.1 27.1
125	9.9	5.1 7.7#



#90

Benzo(a)pyrene

Concen: 3.231 ng/ul

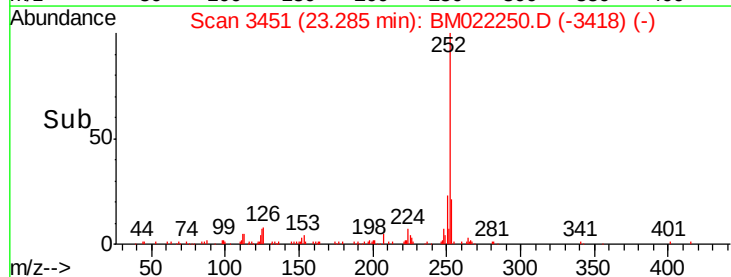
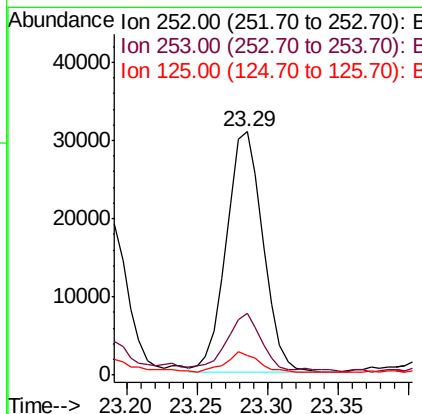
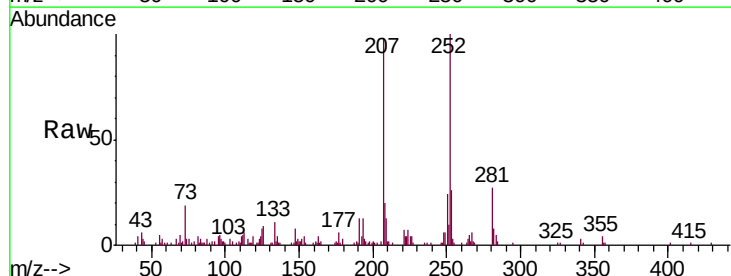
RT: 23.29 min Scan# 3451

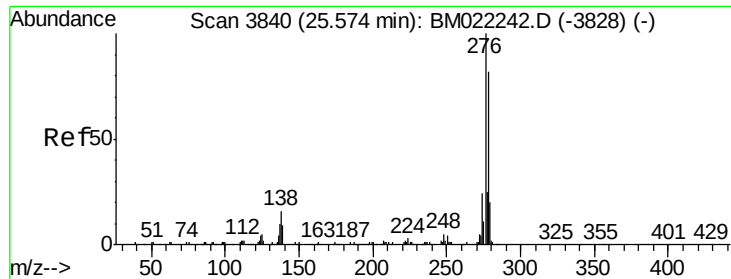
Delta R.T. -0.01 min

Lab File: BM022250.D

Acq: 23 Aug 2019 11:28

Tgt Ion:252	Resp:	55514
Ion Ratio	Lower	Upper
252	100	
253	25.7	16.9 25.3#
125	8.2	5.5 8.3



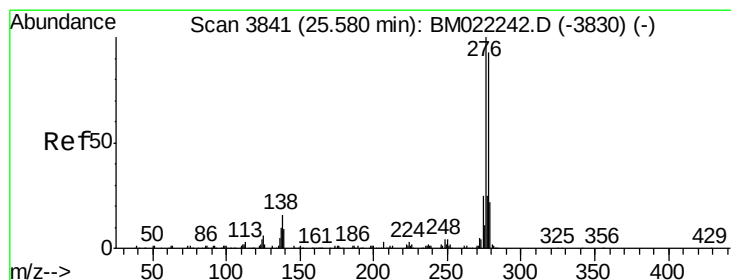
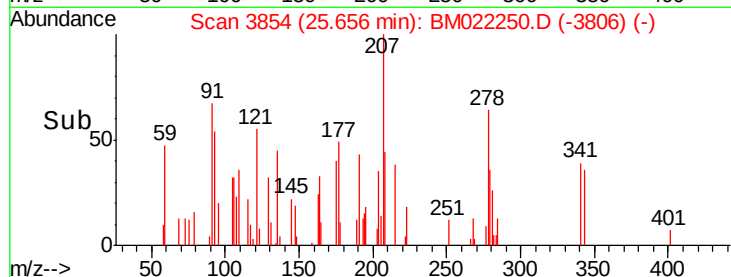
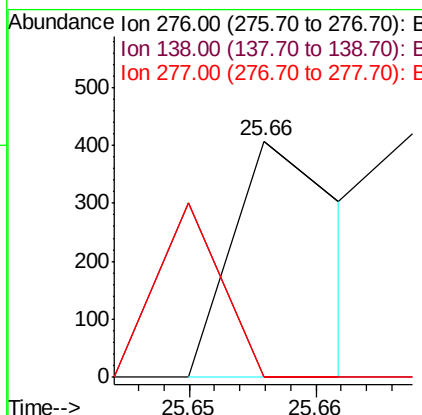
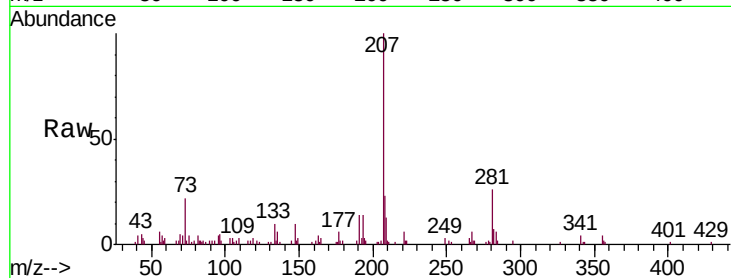


#91

Indeno(1,2,3-cd)pyrene
Concen: 0.013 ng/ul
RT: 25.66 min Scan# 3854
Delta R.T. 0.08 min
Lab File: BM022250.D
Acq: 23 Aug 2019 11:28

Instrument :
BNA_M
ClientSampleId :

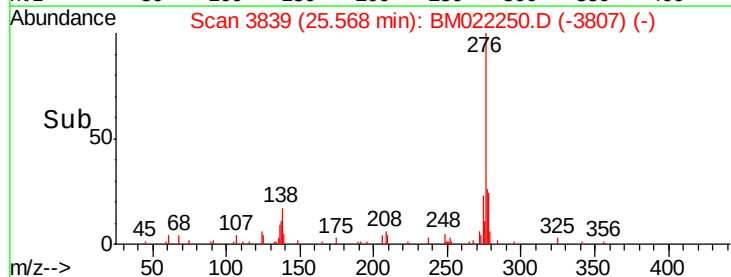
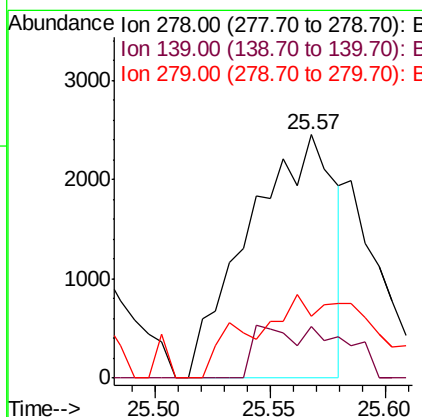
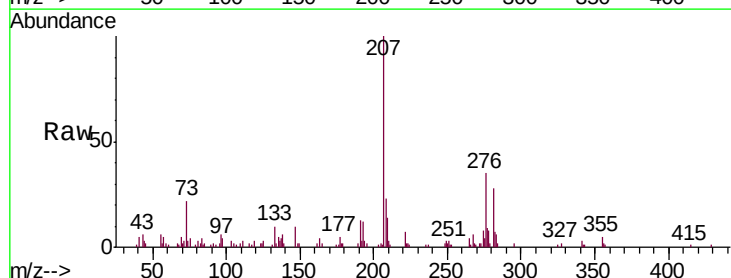
Tot Ion:276 Resp: 251
Ion Ratio Lower Upper
276 100
138 0.0 12.6 18.8#
277 0.0 20.2 30.2#

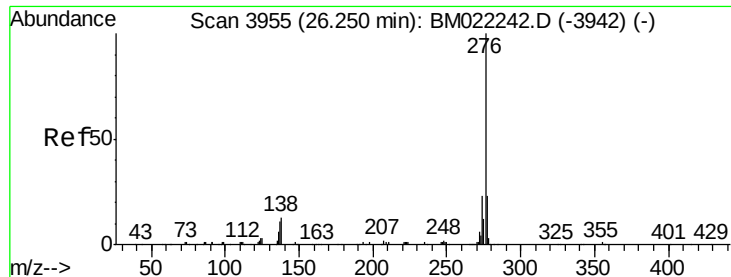


#92

Dibenzo(a,h)anthracene
Concen: 0.375 ng/ul
RT: 25.57 min Scan# 3839
Delta R.T. -0.01 min
Lab File: BM022250.D
Acq: 23 Aug 2019 11:28

Tgt Ion:278 Resp: 6359
Ion Ratio Lower Upper
278 100
139 21.2 7.7 11.5#
279 25.6 19.0 28.6





#93

Benzo(a,h,i)perylene

Concen: 0.009 ng/ul

RT: 26.32 min Scan# 3967

Delta R.T. 0.07 min

Lab File: BM022250.D

Acq: 23 Aug 2019 11:28

Instrument :

BNA_M

ClientSampleId :

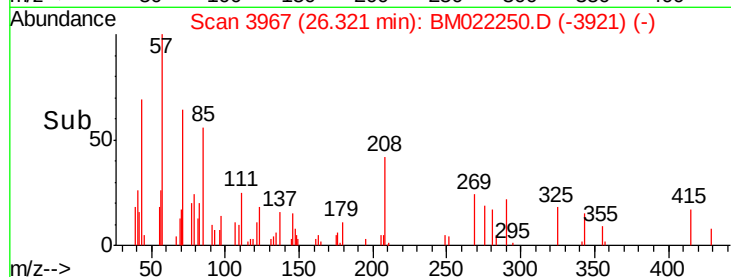
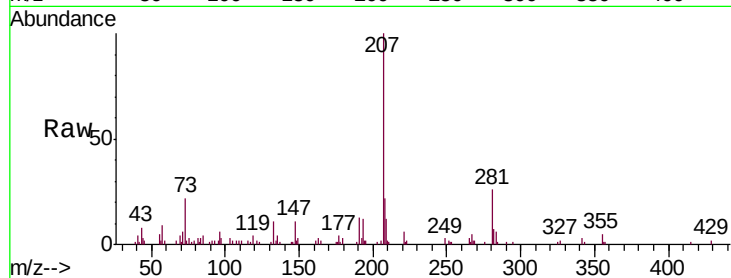
Tot Ion:276 Resp: 135

Ion Ratio Lower Upper

276 100

138 0.0 10.2 15.4#

277 0.0 18.2 27.4#



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

