

Data File : BM023873.D
Acq On : 23 Nov 2019 00:58
Operator : JU
Sample : K5854-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC3

Quant Time: Nov 23 05:25:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 23 05:21:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	422677	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	1680452	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.17	164	1006679	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.92	188	2006760	20.00	ng/ul	0.00
78) Chrysene-d12	21.13	240	2073550	20.00	ng/ul	0.00
86) Perylene-d12	23.30	264	2570312	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	27914	2.72	ng/uL	0.01
5) Phenol-d5	6.70	99	649723	16.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	373389	16.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	528663	18.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	488582	15.90	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	251307	20.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.37	143	286008	22.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	522172	18.11	ng/ul	0.00
29) 4-Chloroaniline-d4	10.43	131	441598	13.95	ng/ul	0.00
44) Dimethylphthalate-d6	13.59	166	1513133	19.27	ng/ul	0.00
47) Acenaphthylene-d8	13.86	160	1869372	20.87	ng/ul	0.00
52) 4-Nitrophenol-d4	14.41	143	136259	10.17	ng/ul	0.01
58) Fluorene-d10	15.17	176	1357415	19.58	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	65022	5.60	ng/ul	0.00
71) Anthracene-d10	17.02	188	2092157	21.98	ng/ul	0.00
79) Pyrene-d10	19.33	212	2227450	20.60	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.16	264	2887585	21.35	ng/ul	0.02

Target Compounds

					Qvalue	
4) Benzaldehyde	6.66	77	48135	2.130	ng/ul#	1
6) Phenol	6.73	94	193316	4.870	ng/ul	96
14) Acetophenone	8.31	105	93895	1.959	ng/ul#	42
16) 4-Methylphenol	8.29	108	118784	3.621	ng/ul	97
28) Naphthalene	10.33	128	485214	5.494	ng/ul	99
34) 2-Methylnaphthalene	11.96	142	501240	7.419	ng/ul	96
35) 1-Methylnaphthalene	12.18	142	219714	3.297	ng/ul	98
41) 1,1'-Biphenyl	12.99	154	127692	1.644	ng/ul	99
45) Dimethylphthalate	13.63	163	549343	7.141	ng/ul	99
50) Acenaphthene	14.23	153	208861	3.263	ng/ul	98
54) Dibenzofuran	14.57	168	286424	3.023	ng/ul	98
59) Fluorene	15.23	166	324255	4.218	ng/ul#	94
65) N-Nitrosodiphenylamine	15.44	169	59931	1.018	ng/ul#	86
70) Phenanthrene	16.97	178	3950430	35.739	ng/ul	99
72) Anthracene	17.06	178	1106091	9.952	ng/ul	97
75) Carbazole	17.33	167	498815	5.384	ng/ul#	87
76) Di-n-butylphthalate	17.91	149	220708	2.160	ng/ul#	86
77) Fluoranthene	19.00	202	6209510	52.434	ng/ul	97
80) Pyrene	19.36	202	5921377	44.179	ng/ul	99
81) Butylbenzylphthalate	20.28	149	479591	11.298	ng/ul	92
83) Benzo(a)anthracene	21.12	228	3185686	23.292	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.07	149	4741139	73.972	ng/ul	99
85) Chrysene	21.12	228	3230846	25.091	ng/ul	96

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112219\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Di-n-octyl phthalate	21.93	149	190607	1.517	ng/ul	100
88) Benzo(b)fluoranthene	22.66	252	5006165	30.554	ng/ul#	90
89) Benzo(k)fluoranthene	22.66	252	5006165	31.714	ng/ul#	88
91) Benzo(a)pyrene	23.20	252	3538556	23.591	ng/ul#	90
92) Indeno(1,2,3-cd)pyrene	25.44	276	2384049	14.864	ng/ul	99
93) Dibenzo(a,h)anthracene	25.44	278	627057	4.632	ng/ul#	73
94) Benzo(g,h,i)perylene	26.10	276	2351138	18.090	ng/ul	95

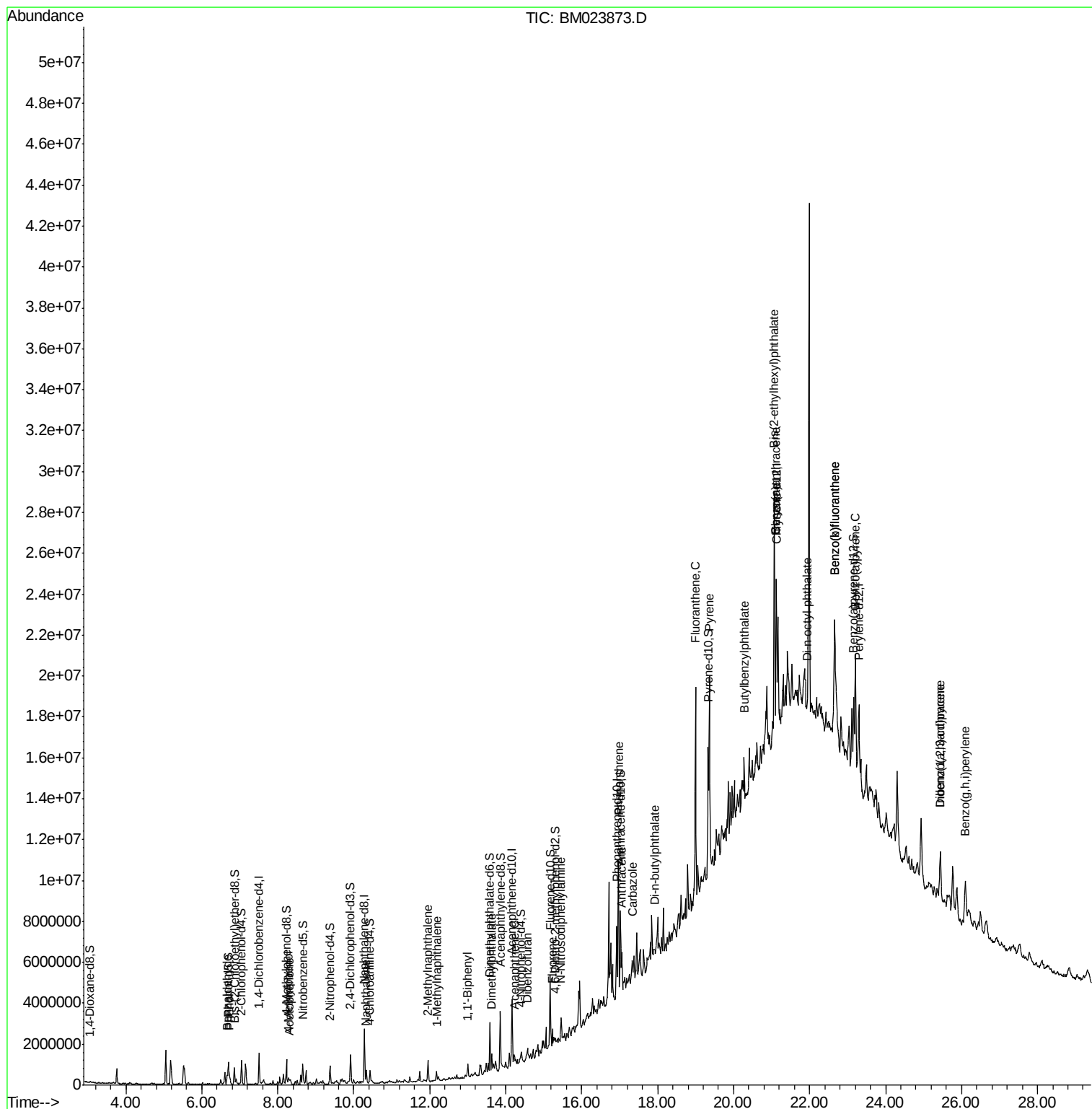
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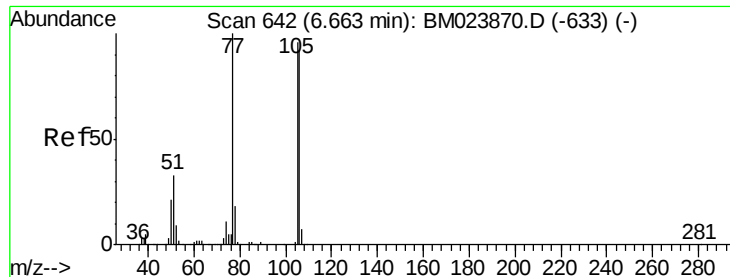
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Quant Title : SVOA CALIBRATION
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#4

Benzaldehyde

Concen: 2.130 ng/ul

RT: 6.66 min Scan# 642

Delta R.T. -0.00 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

Instrument :

BNA_M

ClientSampleId :

C0AC3

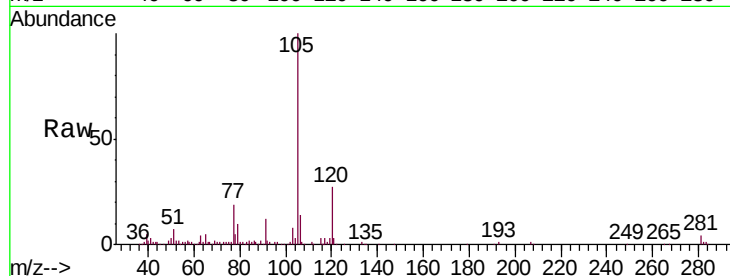
Tgt Ion: 77 Resp: 48135

Ion Ratio Lower Upper

77 100

105 526.2 75.9 113.9#

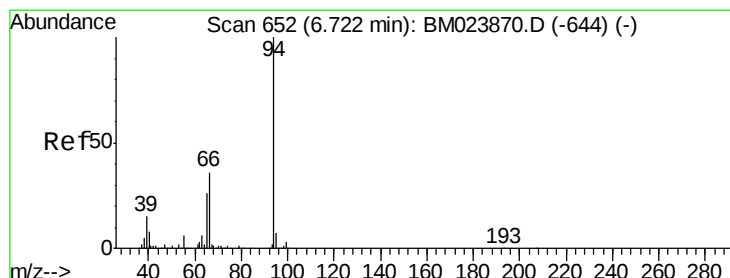
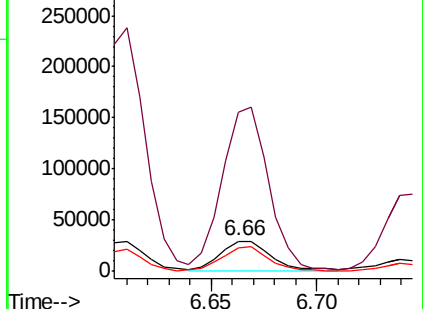
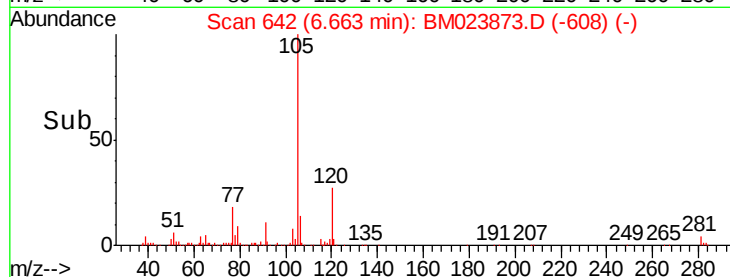
106 75.7 70.2 105.4



Abundance Ion 77.00 (76.70 to 77.70): BM023873.D (-608) (-)

Ion 105.00 (104.70 to 105.70): BM023873.D (-608) (-)

Ion 106.00 (105.70 to 106.70): BM023873.D (-608) (-)



#6

Phenol

Concen: 4.870 ng/ul

RT: 6.73 min Scan# 653

Delta R.T. 0.01 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

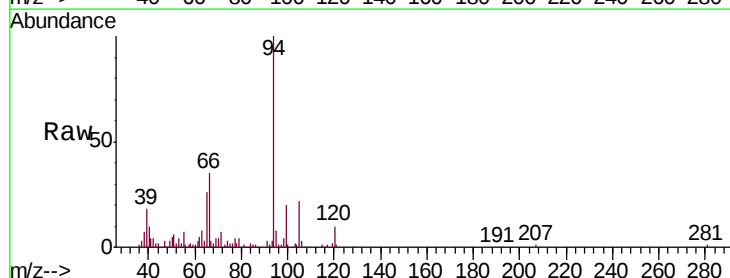
Tgt Ion: 94 Resp: 193316

Ion Ratio Lower Upper

94 100

65 26.2 21.4 32.2

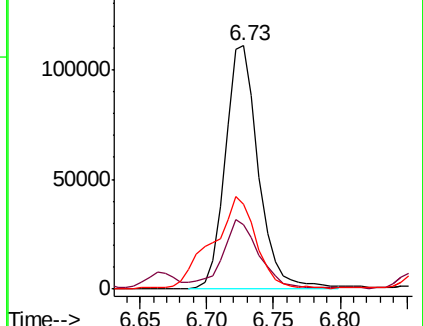
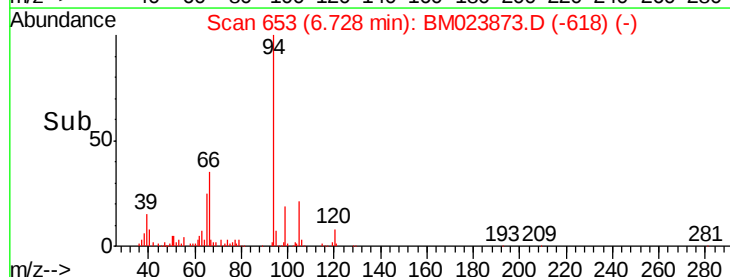
66 34.7 30.7 46.1

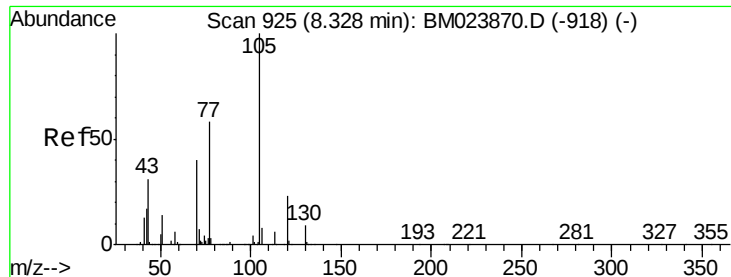


Abundance Ion 94.00 (93.70 to 94.70): BM023873.D (-618) (-)

Ion 65.00 (64.70 to 65.70): BM023873.D (-618) (-)

Ion 66.00 (65.70 to 66.70): BM023873.D (-618) (-)

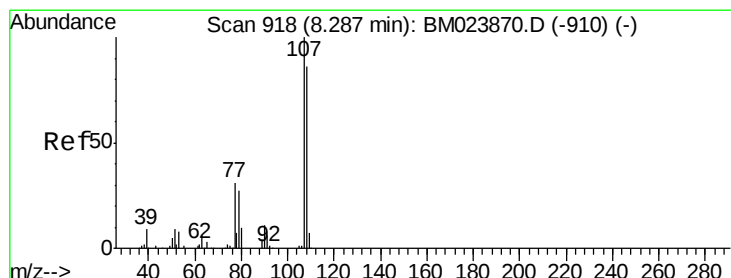
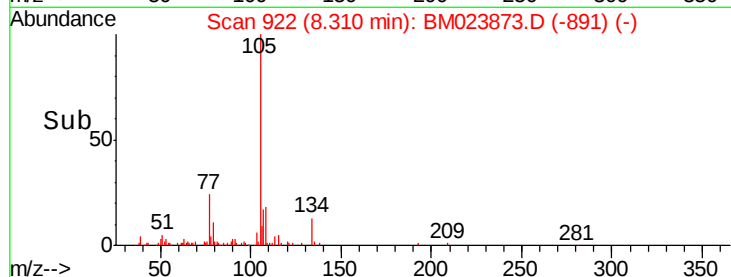
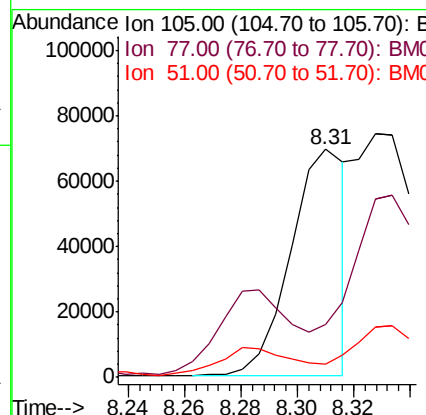
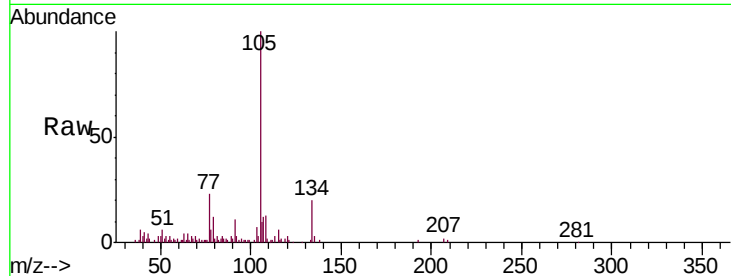




#14
Acetophenone
Concen: 1.959 ng/ul
RT: 8.31 min Scan# 922
Delta R.T. -0.02 min
Lab File: BM023873.D
Acq: 23 Nov 2019 00:58

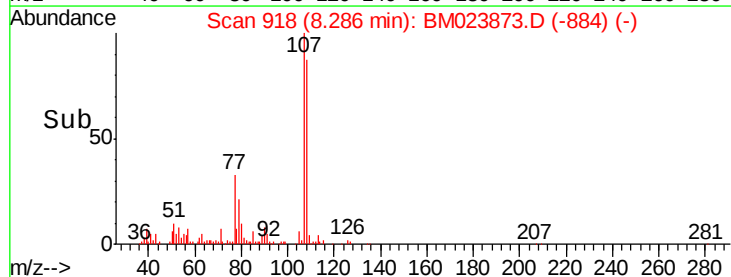
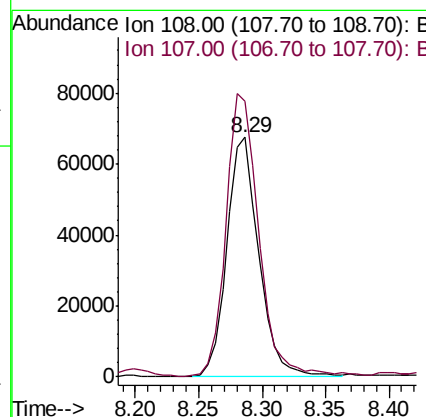
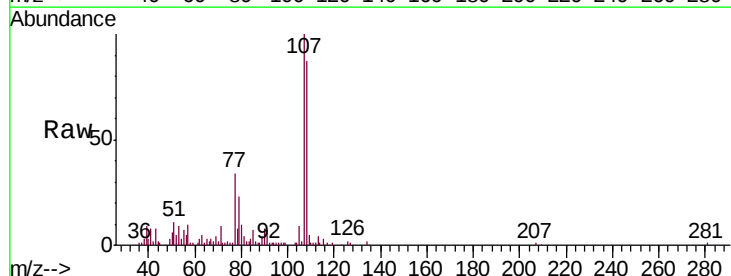
Instrument :
BNA_M
ClientSampleId :
C0AC3

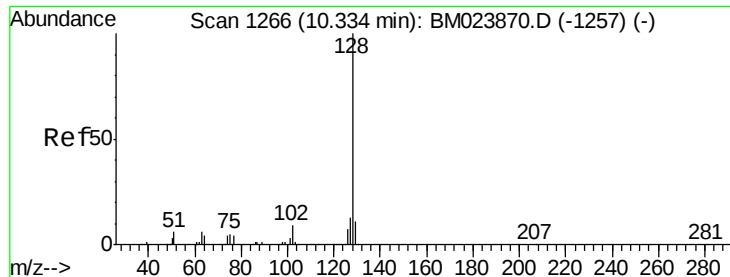
Tgt Ion	Ratio	Lower	Upper
105	100		
77	23.0	63.8	95.6#
51	5.9	16.3	24.5#



#16
4-Methylphenol
Concen: 3.621 ng/ul
RT: 8.29 min Scan# 918
Delta R.T. -0.00 min
Lab File: BM023873.D
Acq: 23 Nov 2019 00:58

Tgt Ion	Ratio	Lower	Upper
108	100		
107	115.2	89.8	134.6





#28

Naphthalene

Concen: 5.494 ng/ul

RT: 10.33 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

Instrument :

BNA_M

ClientSampleId :

C0AC3

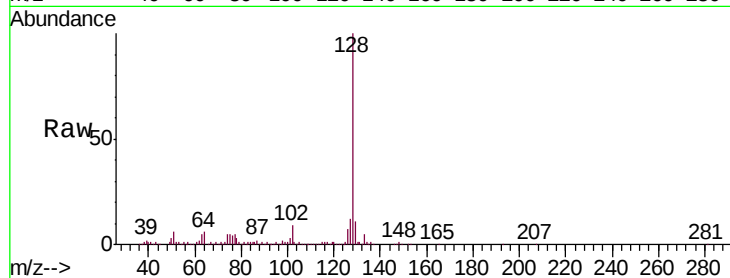
Tgt Ion:128 Resp: 485214

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

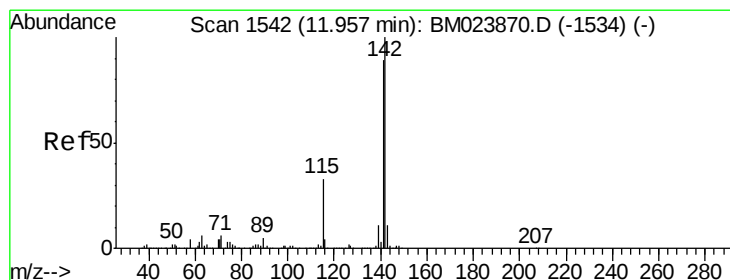
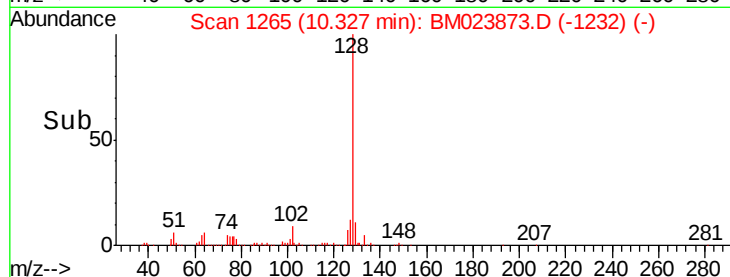
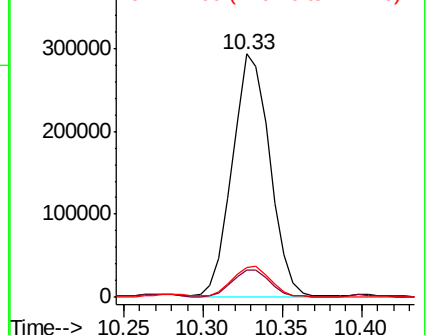
127 12.4 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 7.419 ng/ul

RT: 11.96 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BM023873.D

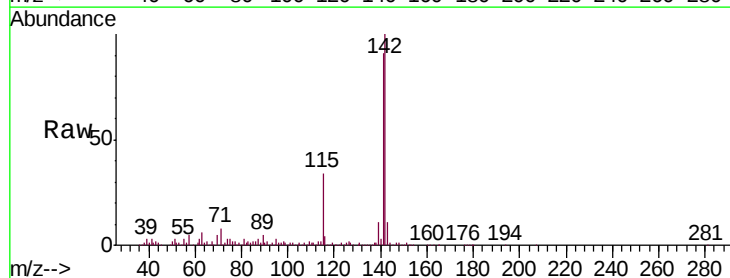
Acq: 23 Nov 2019 00:58

Tgt Ion:142 Resp: 501240

Ion Ratio Lower Upper

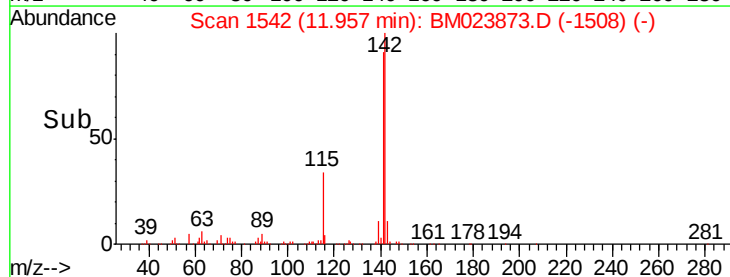
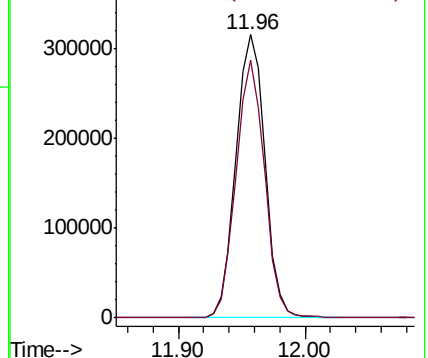
142 100

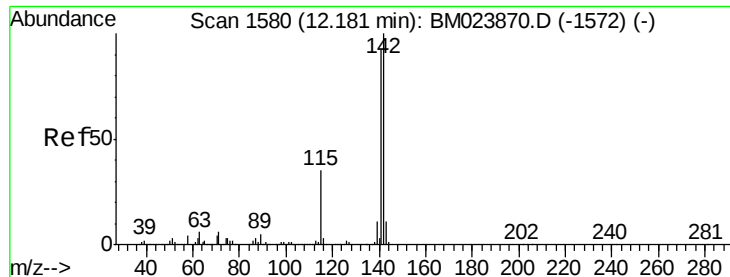
141 90.9 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#35

1-Methylnaphthalene

Concen: 3.297 ng/ul

RT: 12.18 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

Instrument :

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ClientSampleId :

C0AC3

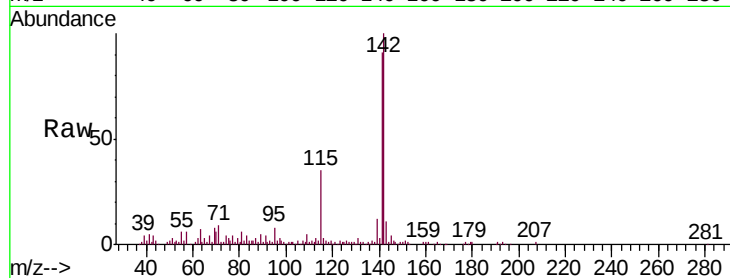
Tgt Ion:142 Resp: 219714

Ion Ratio Lower Upper

142 100

141 91.1 74.6 112.0

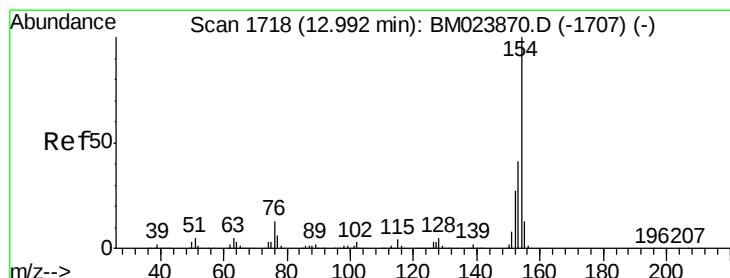
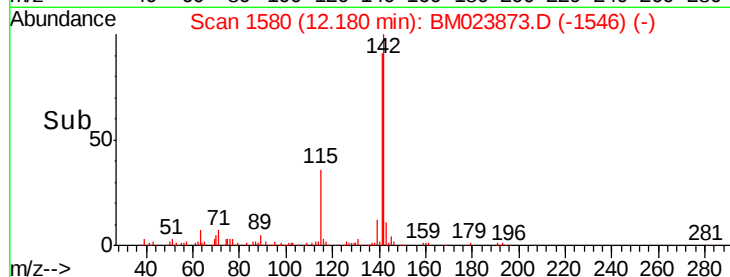
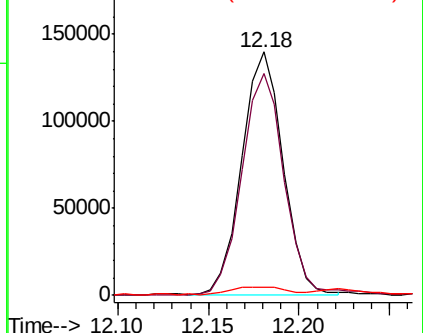
116 3.3 3.2 4.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#41

1,1'-Biphenyl

Concen: 1.644 ng/ul

RT: 12.99 min Scan# 1718

Delta R.T. -0.00 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

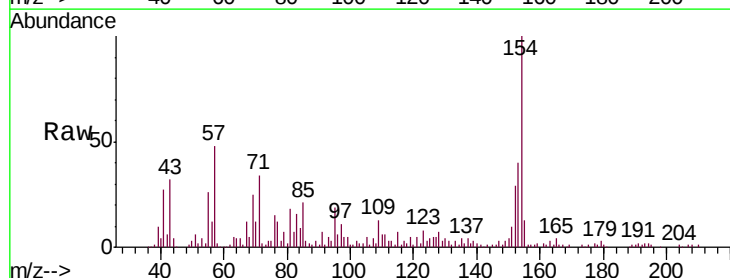
Tgt Ion:154 Resp: 127692

Ion Ratio Lower Upper

154 100

153 40.3 32.3 48.5

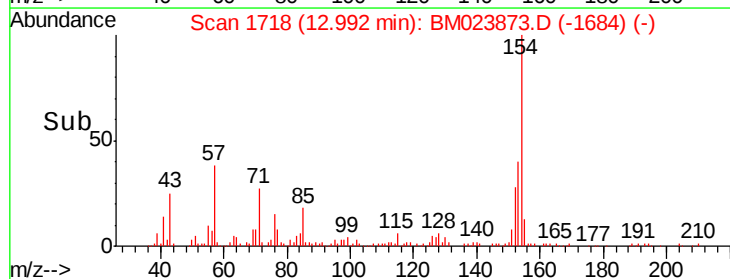
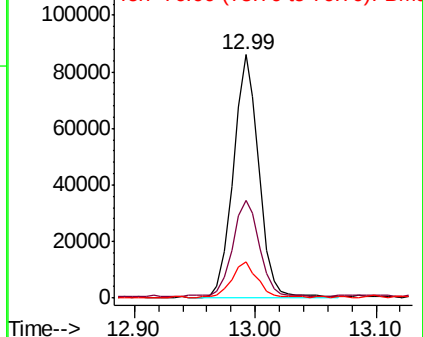
76 14.7 10.6 15.8

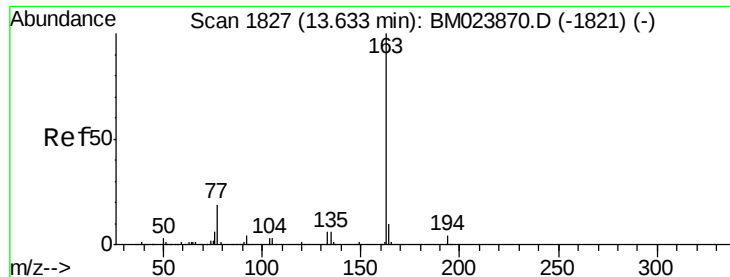


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM

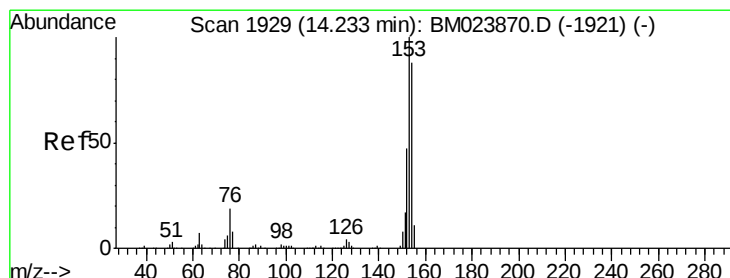
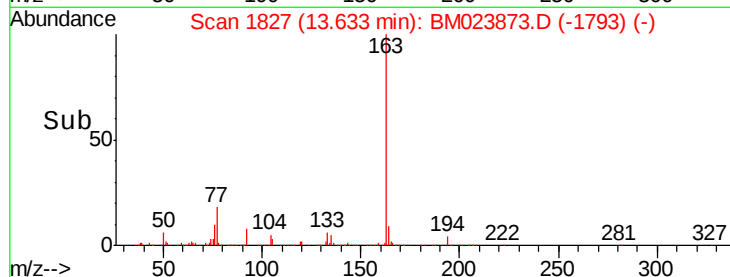
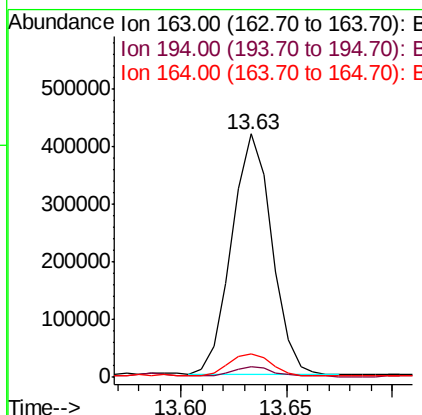
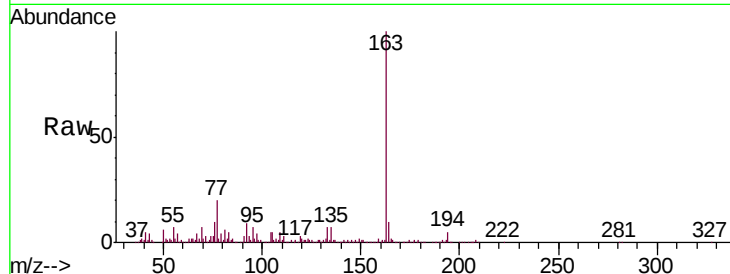




#45
Dimethylphthalate
Concen: 7.141 ng/ul
RT: 13.63 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BM023873.D
Acq: 23 Nov 2019 00:58

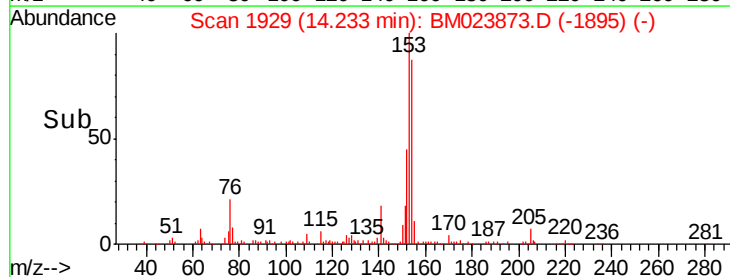
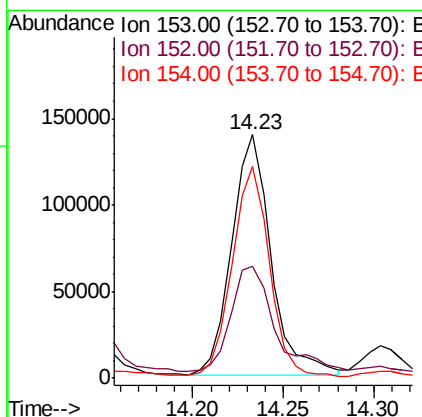
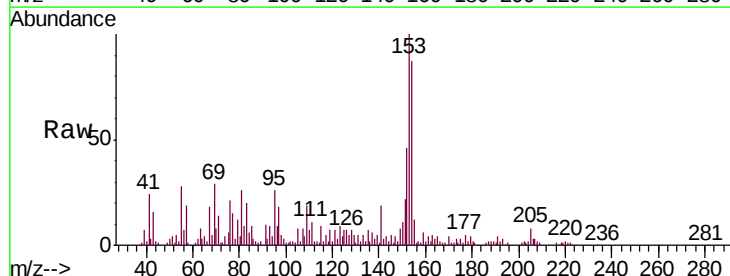
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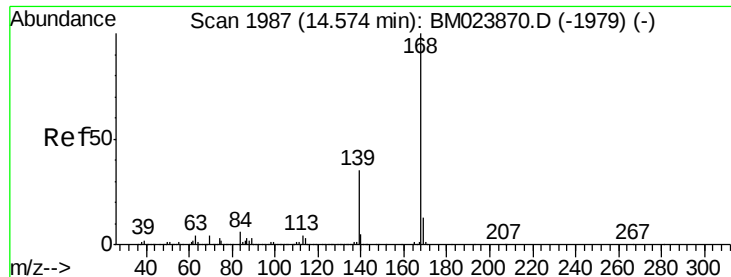
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.2
164	9.7	8.0	12.0



#50
Acenaphthene
Concen: 3.263 ng/ul
RT: 14.23 min Scan# 1929
Delta R.T. -0.00 min
Lab File: BM023873.D
Acq: 23 Nov 2019 00:58

Tgt Ion	Ratio	Lower	Upper
153	100		
152	45.8	37.7	56.5
154	86.9	70.6	106.0





#54

Dibenzenofuran

Concen: 3.023 ng/ul

RT: 14.57 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

Instrument :

BNA_M

ClientSampleId :

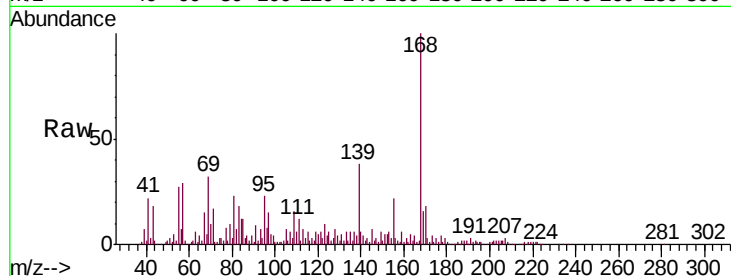
C0AC3

Tgt Ion:168 Resp: 286424

Ion Ratio Lower Upper

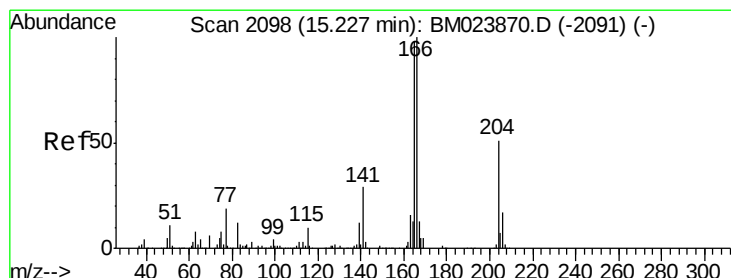
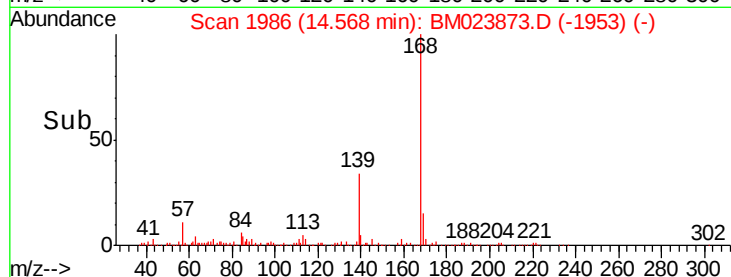
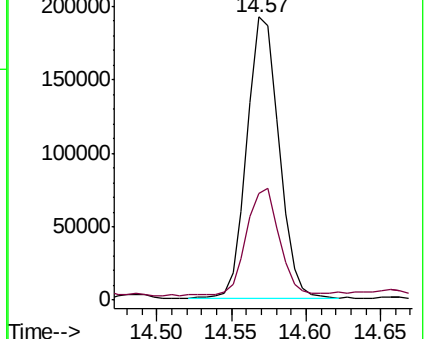
168 100

139 37.7 29.3 43.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 4.218 ng/ul

RT: 15.23 min Scan# 2098

Delta R.T. -0.00 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

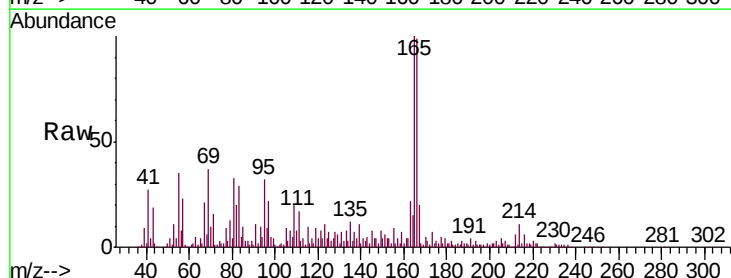
Tgt Ion:166 Resp: 324255

Ion Ratio Lower Upper

166 100

165 100.7 77.2 115.8

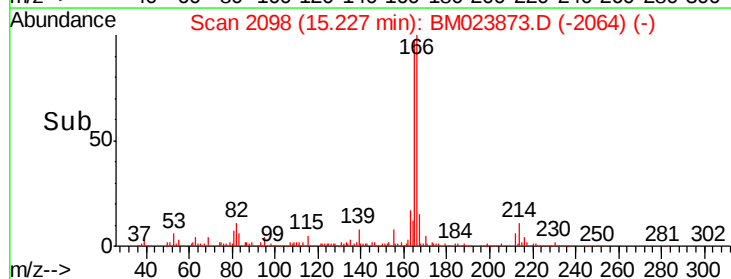
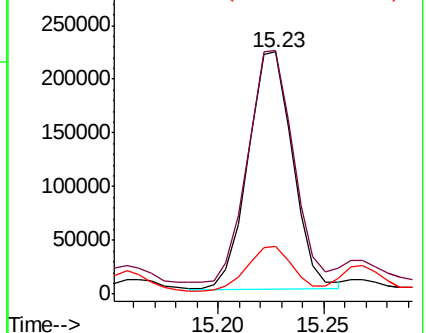
167 19.9 10.9 16.3#

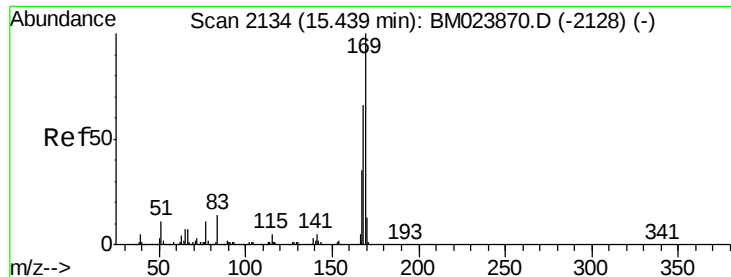


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

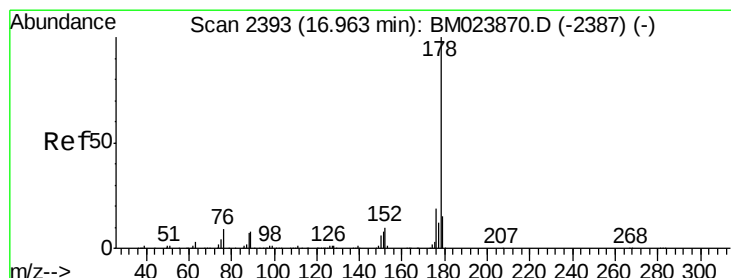
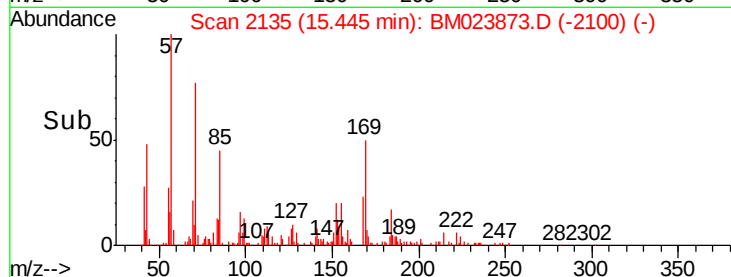
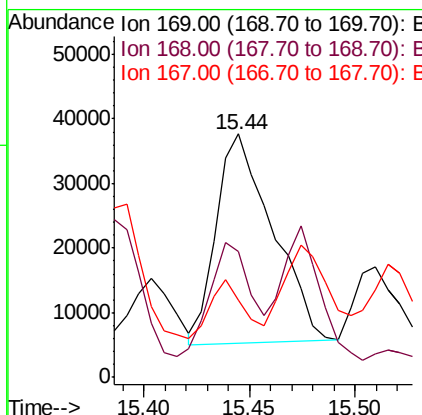
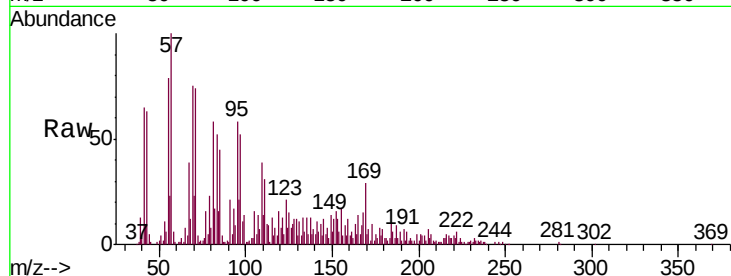




#65
N-Nitrosodiphenylamine
Concen: 1.018 ng/ul
RT: 15.44 min Scan# 2135
Delta R.T. 0.01 min
Lab File: BM023873.D
Acq: 23 Nov 2019 00:58

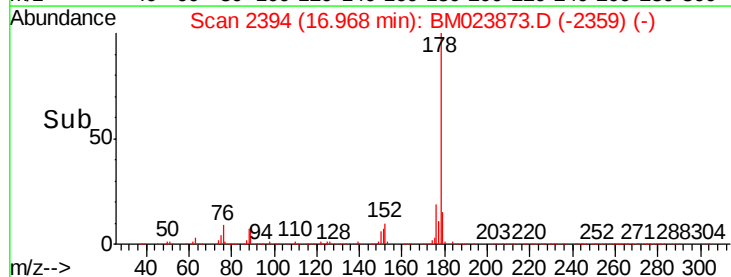
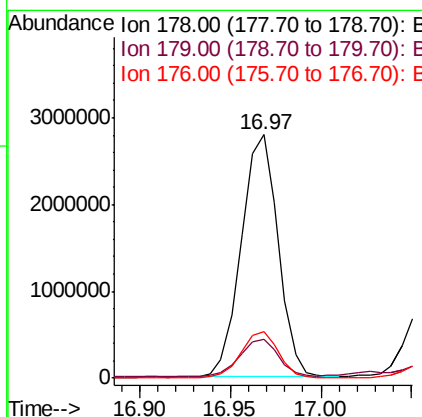
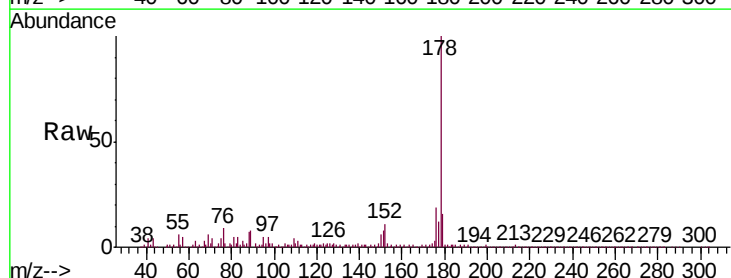
Instrument :
BNA_M
ClientSampleId :
C0AC3

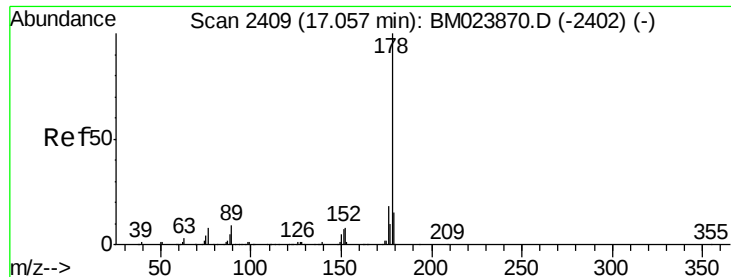
Tgt Ion:169 Resp: 59931
Ion Ratio Lower Upper
169 100
168 51.4 53.2 79.8#
167 31.9 28.0 42.0



#70
Phenanthrene
Concen: 35.739 ng/ul
RT: 16.97 min Scan# 2394
Delta R.T. 0.01 min
Lab File: BM023873.D
Acq: 23 Nov 2019 00:58

Tgt Ion:178 Resp: 3950430
Ion Ratio Lower Upper
178 100
179 15.8 12.3 18.5
176 19.0 15.0 22.6





#72

Anthracene

Concen: 9.952 ng/ul

RT: 17.06 min Scan# 2409

Delta R.T. -0.00 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

Instrument :

BNA_M

ClientSampleId :

C0AC3

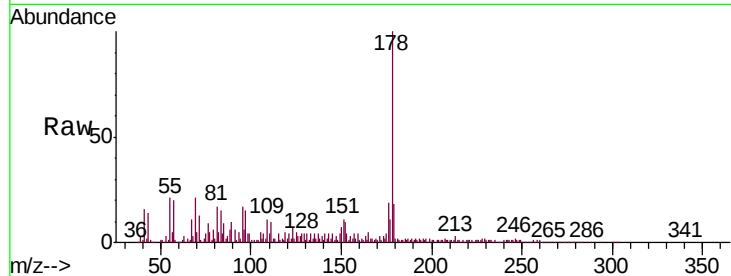
Tgt Ion:178 Resp: 1106091

Ion Ratio Lower Upper

178 100

179 17.9 12.3 18.5

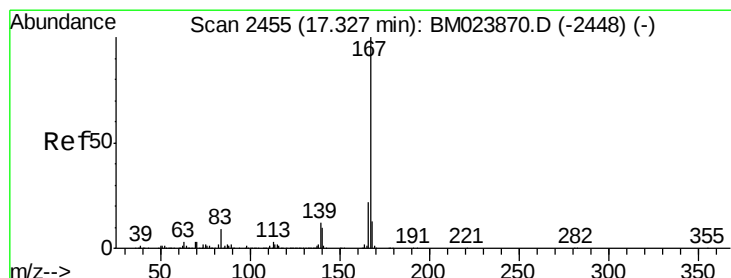
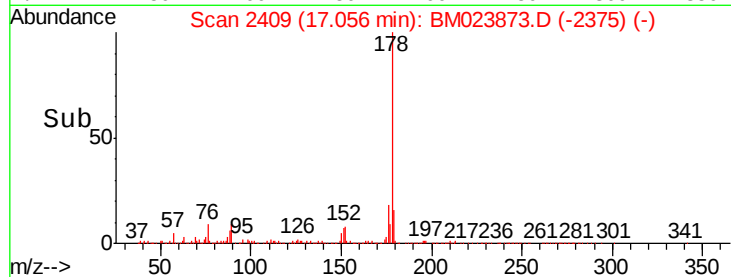
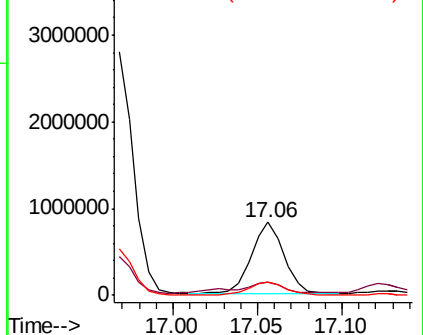
176 18.7 14.7 22.1



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



#75

Carbazole

Concen: 5.384 ng/ul

RT: 17.33 min Scan# 2456

Delta R.T. 0.01 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

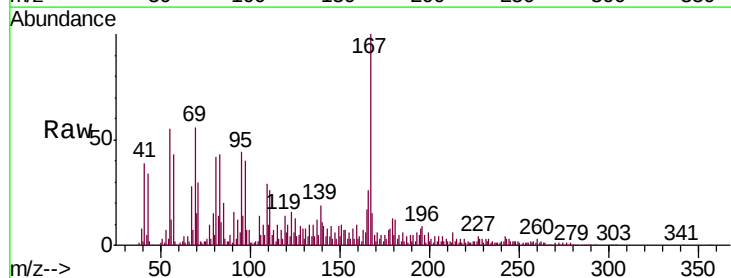
Tgt Ion:167 Resp: 498815

Ion Ratio Lower Upper

167 100

166 26.4 17.1 25.7#

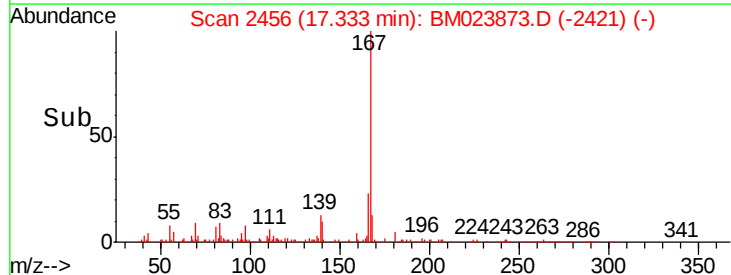
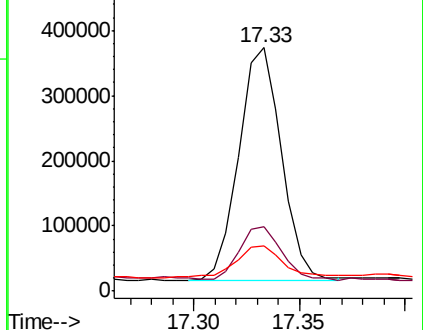
139 18.6 9.8 14.6#

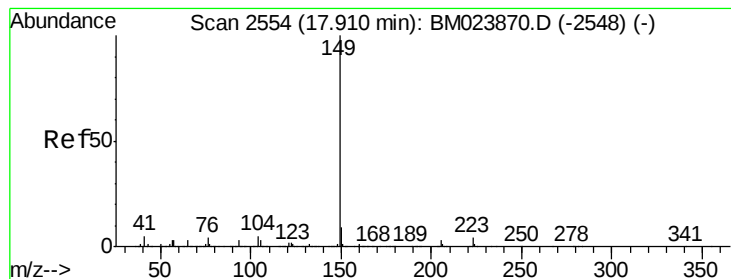


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Di-n-butylphthalate

Concen: 2.160 ng/ul

RT: 17.91 min Scan# 2554

Delta R.T. -0.00 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

Instrument :

BNA_M

ClientSampleId :

C0AC3

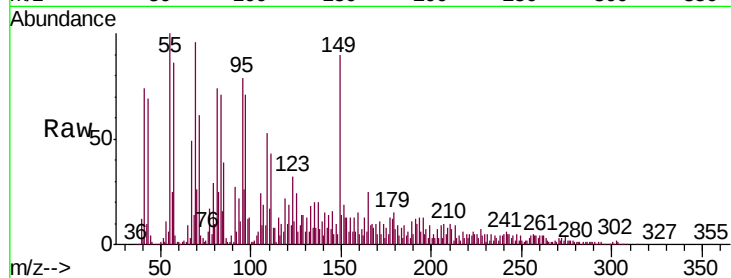
Tgt Ion:149 Resp: 220708

Ion Ratio Lower Upper

149 100

150 15.6 7.1 10.7#

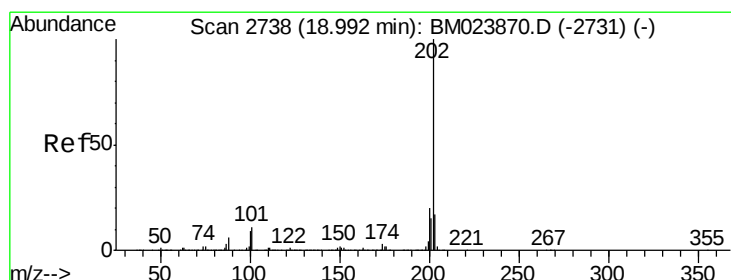
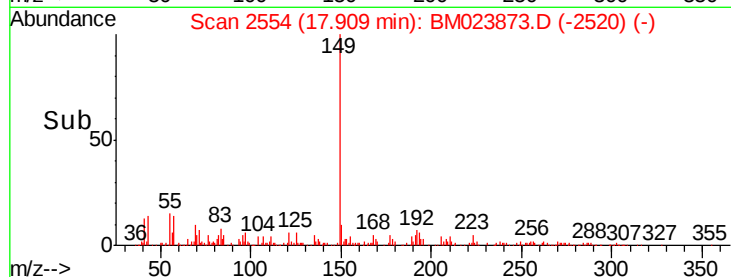
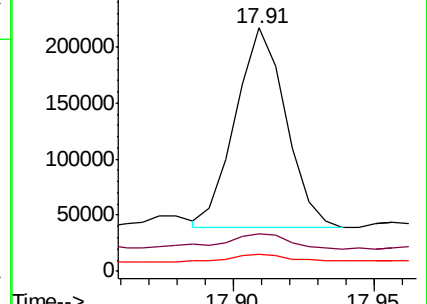
104 7.1 4.2 6.2#



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



#77

Fluoranthene

Concen: 52.434 ng/ul

RT: 19.00 min Scan# 2739

Delta R.T. 0.01 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

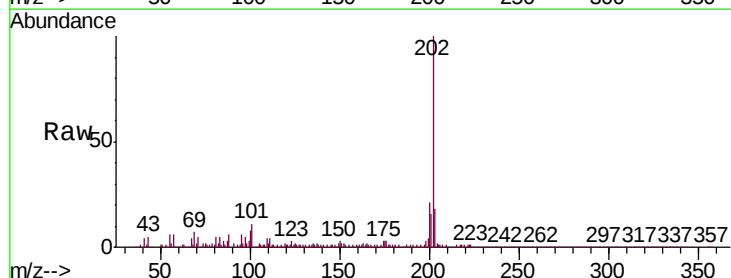
Tgt Ion:202 Resp: 6209510

Ion Ratio Lower Upper

202 100

101 10.7 7.7 11.5

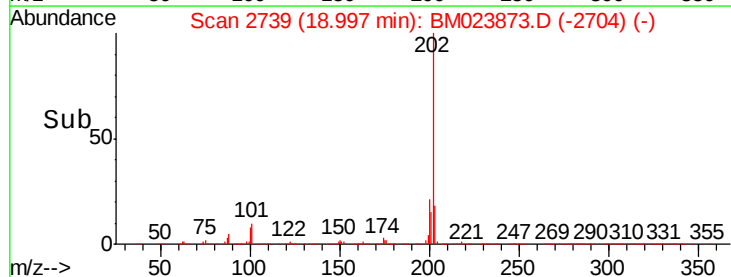
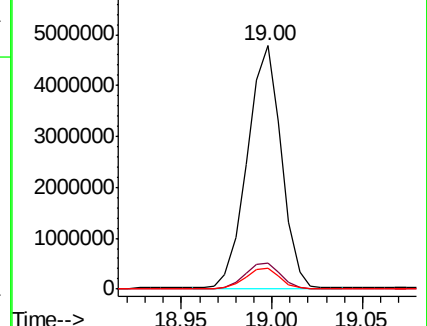
100 8.4 6.0 9.0

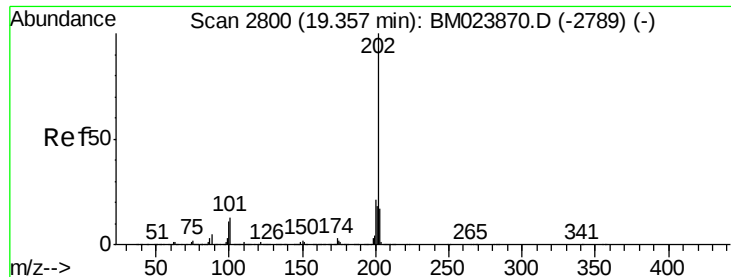


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

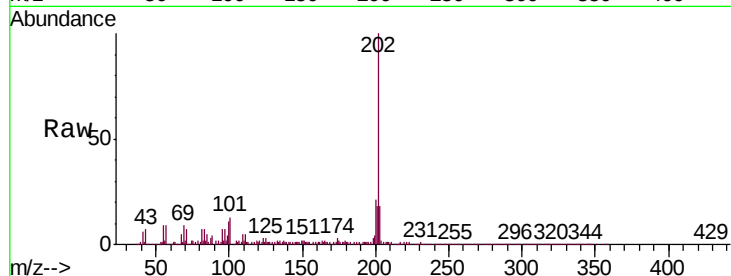




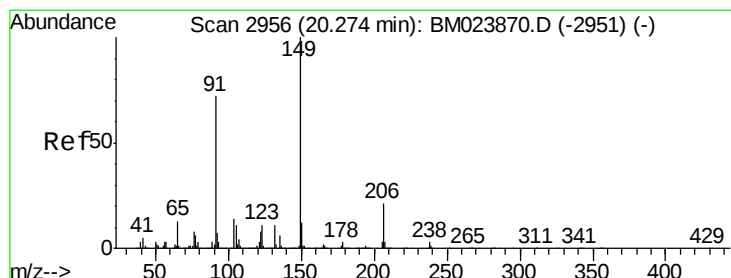
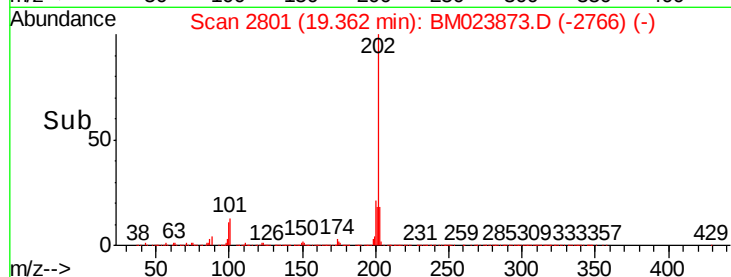
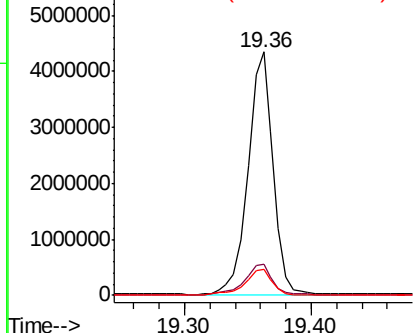
#80
 Pyrene
 Concen: 44.179 ng/ul
 RT: 19.36 min Scan# 2801
 Delta R.T. 0.01 min
 Lab File: BM023873.D
 Acq: 23 Nov 2019 00:58

Instrument :
 BNA_M
 ClientSampleId :
 C0AC3

Tgt Ion:202 Resp: 5921377
 Ion Ratio Lower Upper
 202 100
 101 12.7 9.8 14.6
 100 10.6 8.1 12.1

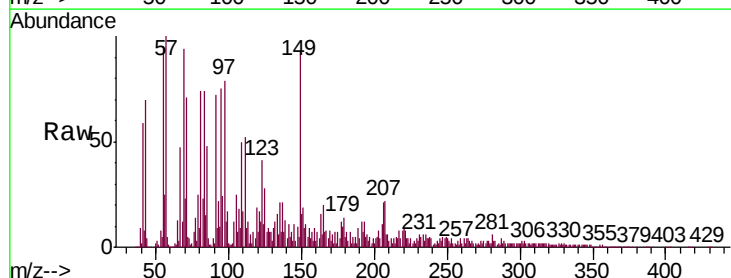


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

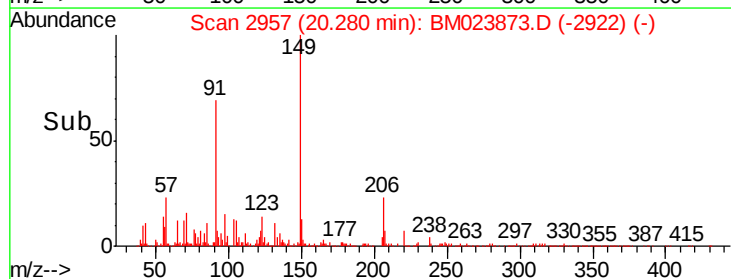
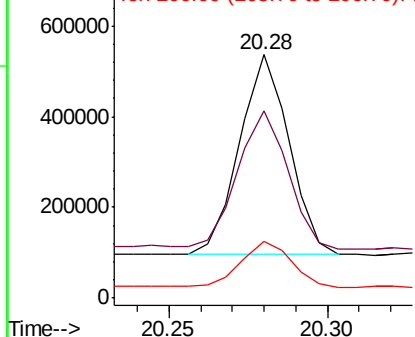


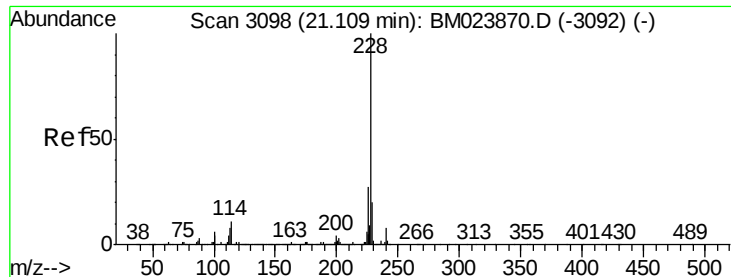
#81
 Butylbenzylphthalate
 Concen: 11.298 ng/ul
 RT: 20.28 min Scan# 2957
 Delta R.T. 0.01 min
 Lab File: BM023873.D
 Acq: 23 Nov 2019 00:58

Tgt Ion:149 Resp: 479591
 Ion Ratio Lower Upper
 149 100
 91 77.1 54.9 82.3
 206 23.1 19.3 28.9



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





#83

Benzo(a)anthracene

Concen: 23.292 ng/ul

RT: 21.12 min Scan# 3100

Delta R.T. 0.01 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

Instrument :

BNA_M

ClientSampleId :

C0AC3

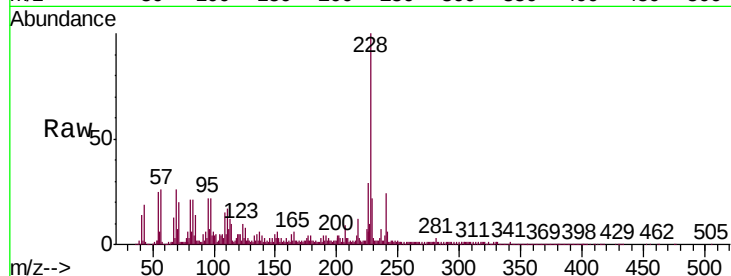
Tgt Ion:228 Resp: 3185686

Ion Ratio Lower Upper

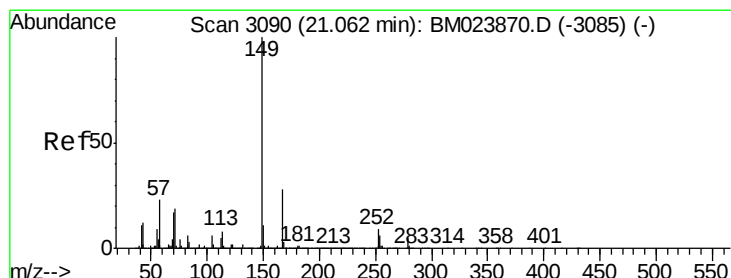
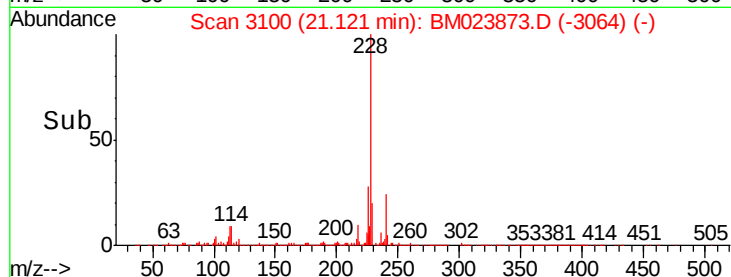
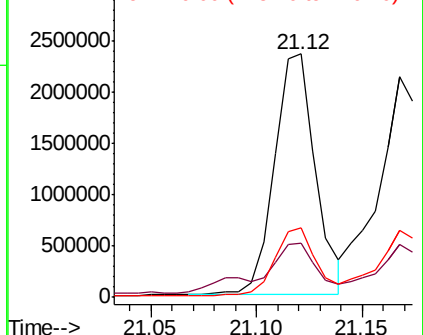
228 100

229 22.3 15.6 23.4

226 28.5 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

Bis(2-ethylhexyl)phthalate

Concen: 73.972 ng/ul

RT: 21.07 min Scan# 3091

Delta R.T. 0.01 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

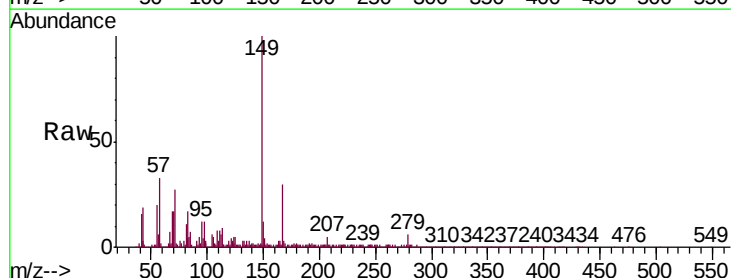
Tgt Ion:149 Resp: 4741139

Ion Ratio Lower Upper

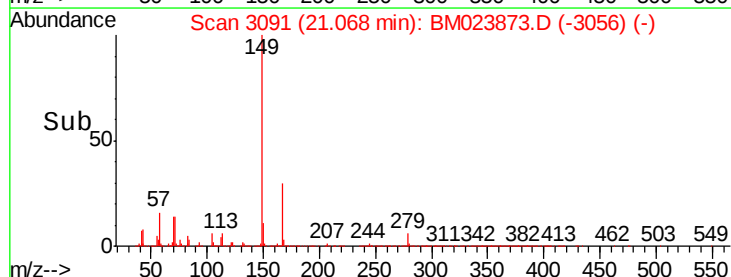
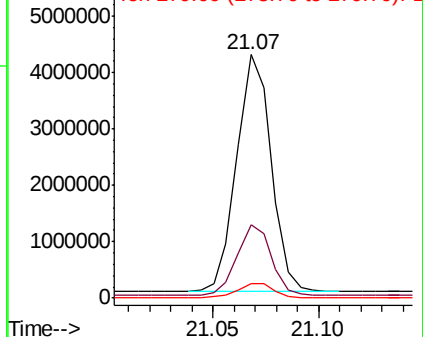
149 100

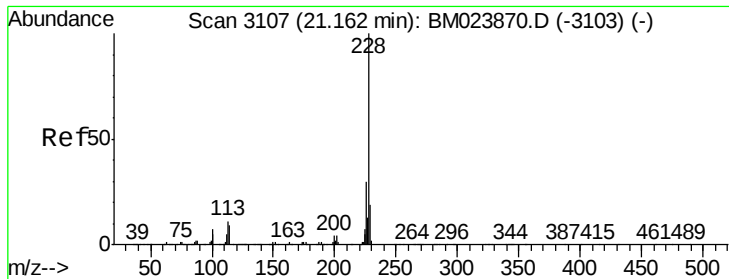
167 30.1 23.4 35.2

279 6.1 5.0 7.4



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

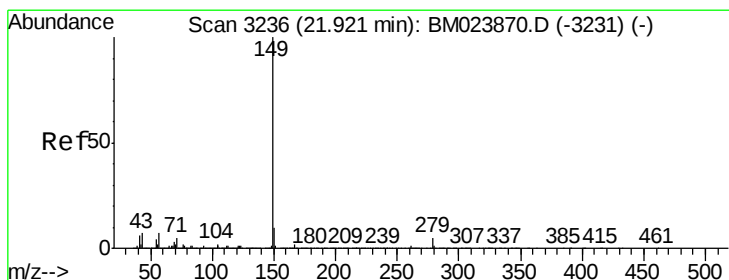
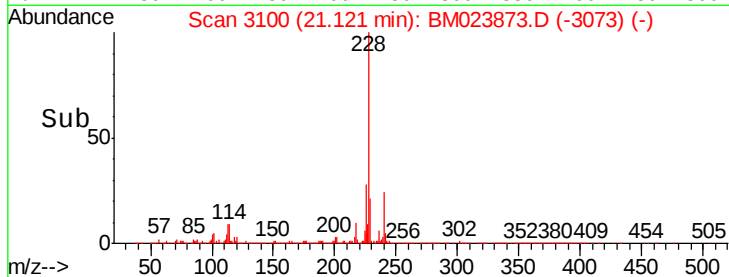
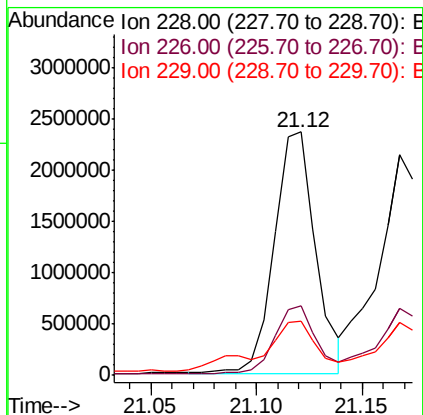
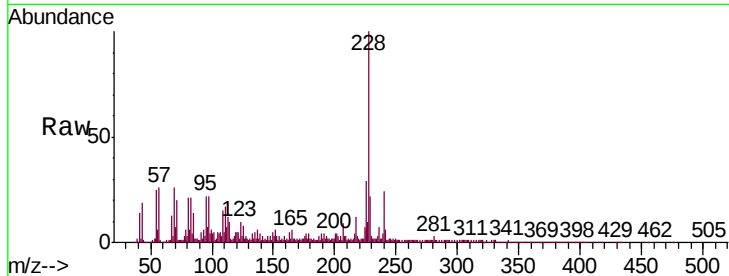




#85
Chrysene
Concen: 25.091 ng/ul
RT: 21.12 min Scan# 3100
Delta R.T. -0.04 min
Lab File: BM023873.D
Acq: 23 Nov 2019 00:58

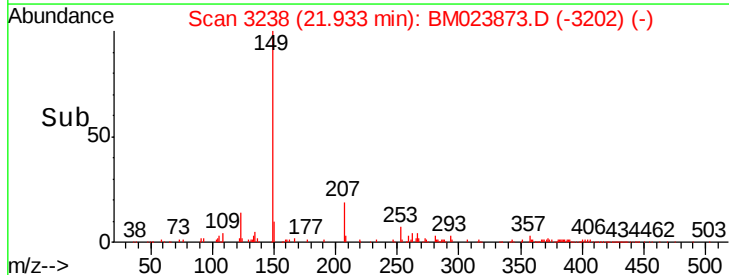
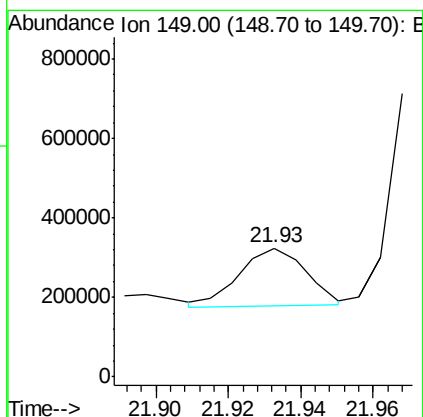
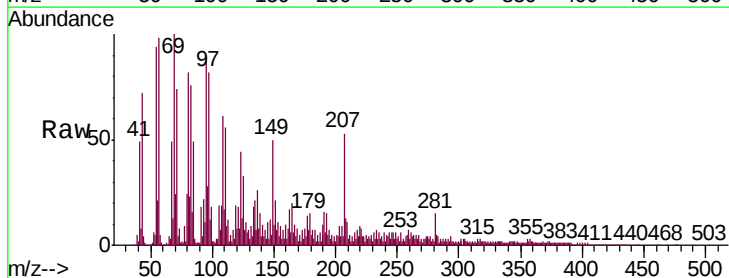
Instrument :
BNA_M
ClientSampleId :
C0AC3

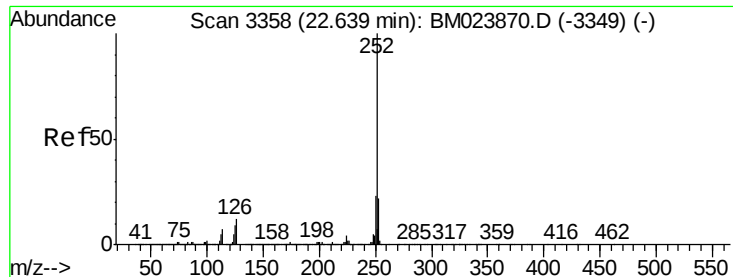
Tgt Ion:228 Resp: 3230846
Ion Ratio Lower Upper
228 100
226 28.5 23.8 35.8
229 22.3 15.8 23.6



#87
Di-n-octyl phthalate
Concen: 1.517 ng/ul
RT: 21.93 min Scan# 3238
Delta R.T. 0.01 min
Lab File: BM023873.D
Acq: 23 Nov 2019 00:58

Tgt Ion:149 Resp: 190607





#88

Benzo(b)fluoranthene

Concen: 30.554 ng/ul

RT: 22.66 min Scan# 3361

Delta R.T. 0.02 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

Instrument :

BNA_M

ClientSampleId :

C0AC3

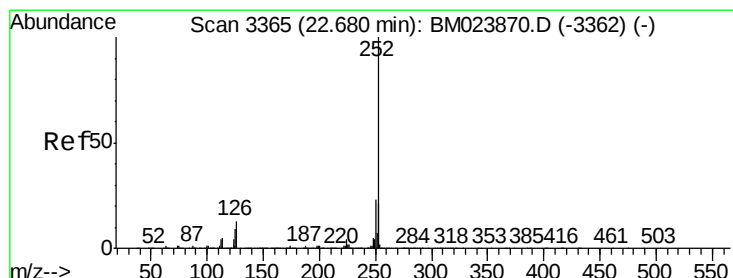
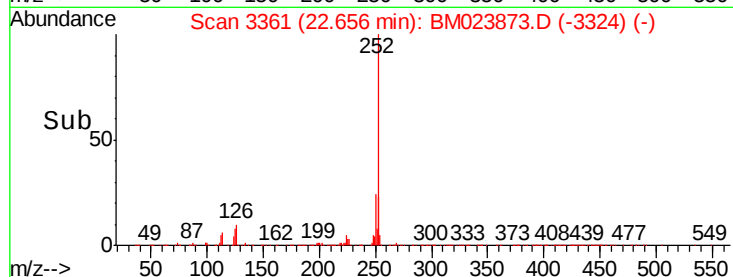
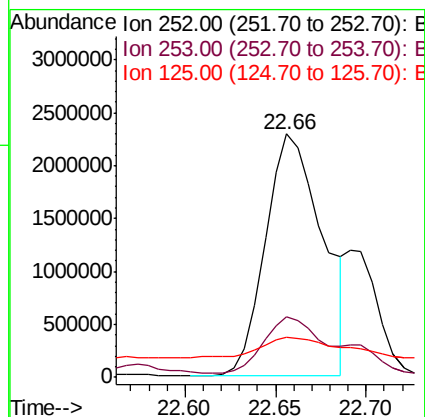
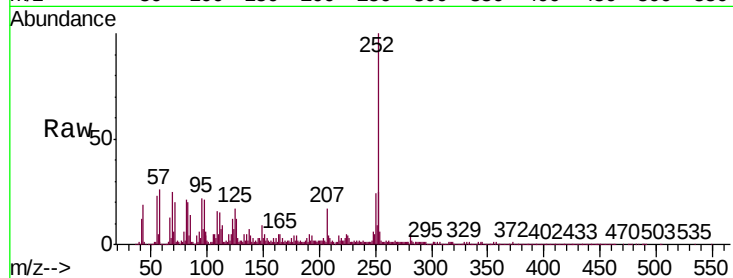
Tgt Ion:252 Resp: 5006165

Ion Ratio Lower Upper

252 100

253 24.9 17.8 26.8

125 16.7 6.5 9.7#



#89

Benzo(k)fluoranthene

Concen: 31.714 ng/ul

RT: 22.66 min Scan# 3361

Delta R.T. -0.02 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

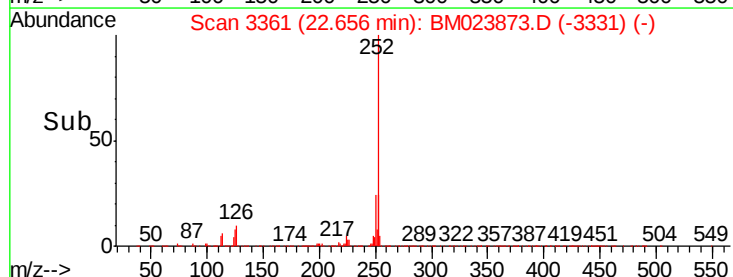
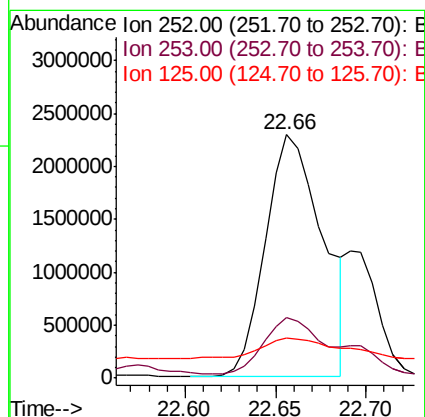
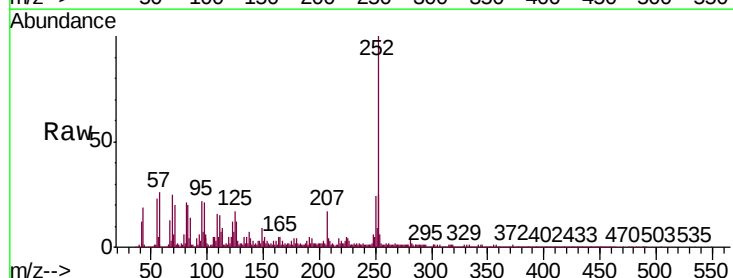
Tgt Ion:252 Resp: 5006165

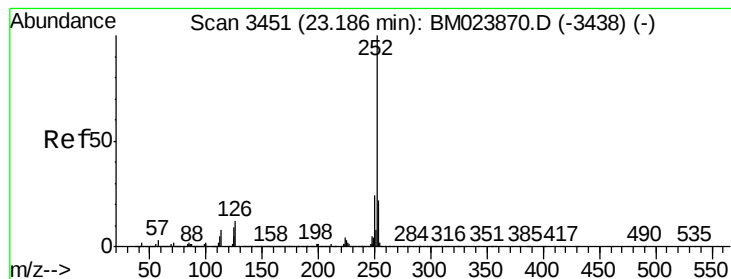
Ion Ratio Lower Upper

252 100

253 24.9 17.2 25.8

125 16.7 5.9 8.9#





#91

Benzo(a)pyrene

Concen: 23.591 ng/ul

RT: 23.20 min Scan# 3454

Delta R.T. 0.02 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

Instrument :

BNA_M

ClientSampleId :

C0AC3

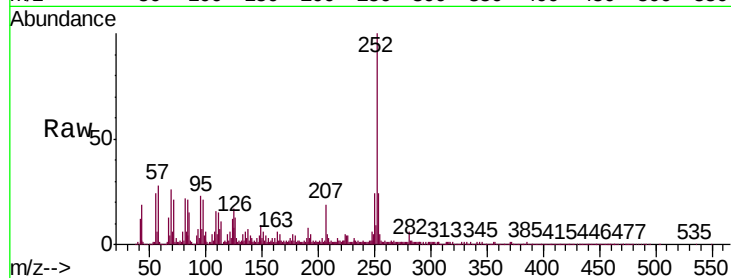
Tgt Ion:252 Resp: 3538556

Ion Ratio Lower Upper

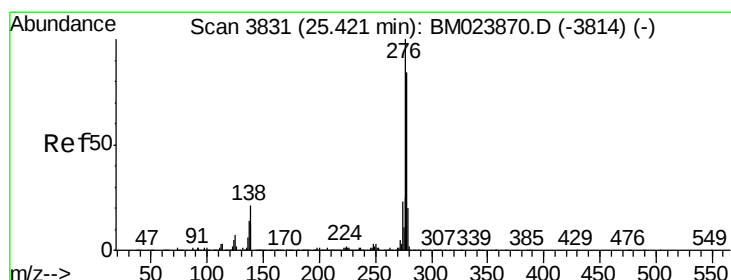
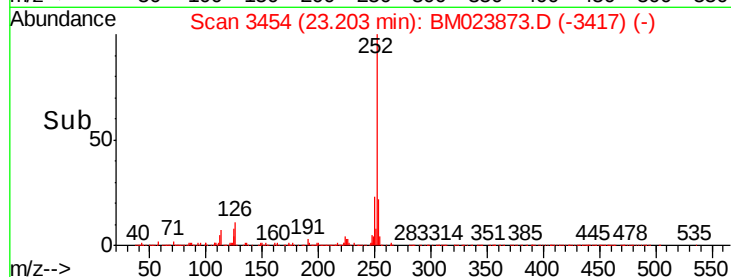
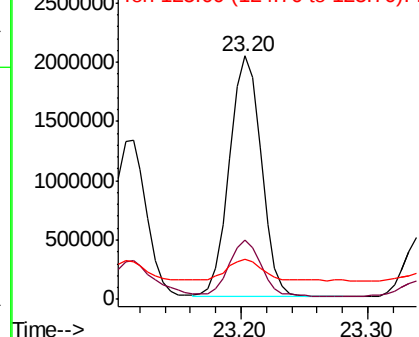
252 100

253 24.2 17.3 25.9

125 16.7 6.9 10.3#



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 14.864 ng/ul

RT: 25.44 min Scan# 3835

Delta R.T. 0.02 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

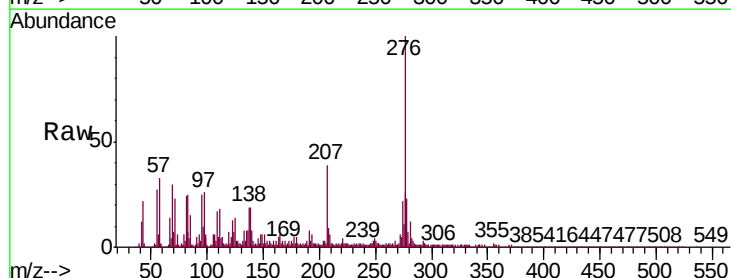
Tgt Ion:276 Resp: 2384049

Ion Ratio Lower Upper

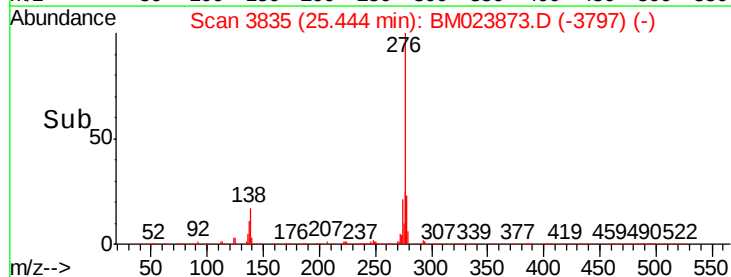
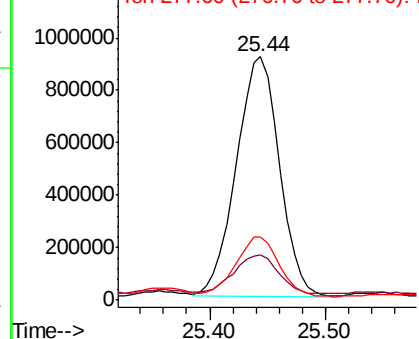
276 100

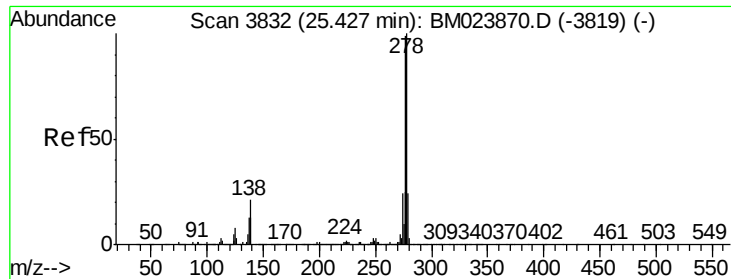
138 18.8 15.0 22.4

277 25.8 20.0 30.0



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





#93

Dibenzo(a,h)anthracene

Concen: 4.632 ng/ul

RT: 25.44 min Scan# 3835

Delta R.T. 0.02 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

Instrument :

BNA_M

ClientSampleId :

C0AC3

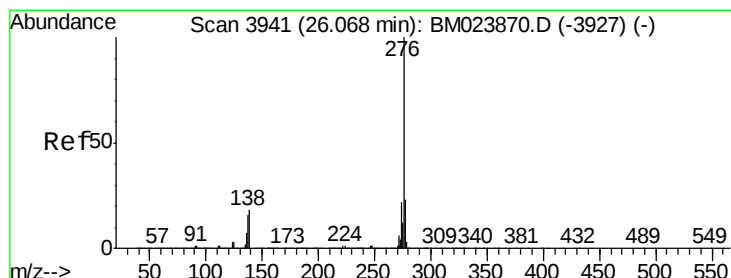
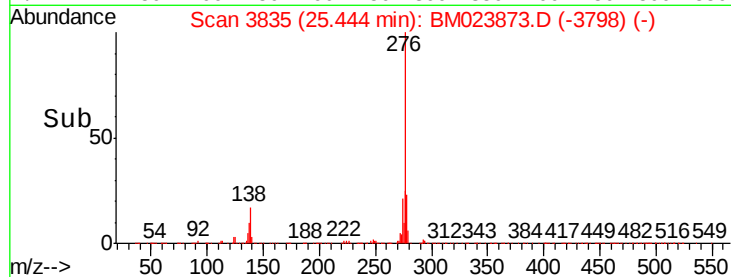
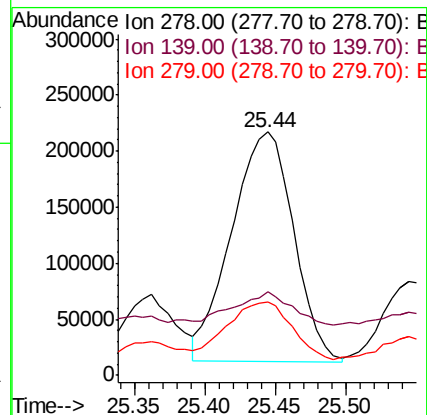
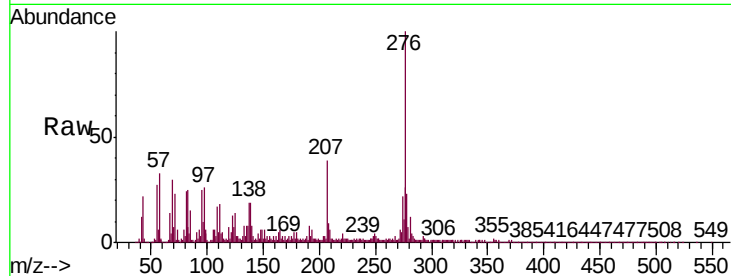
Tgt Ion:278 Resp: 627057

Ion Ratio Lower Upper

278 100

139 34.1 10.0 15.0#

279 30.0 19.0 28.6#



#94

Benzo(g,h,i)perylene

Concen: 18.090 ng/ul

RT: 26.10 min Scan# 3947

Delta R.T. 0.04 min

Lab File: BM023873.D

Acq: 23 Nov 2019 00:58

Tgt Ion:276 Resp: 2351138

Ion Ratio Lower Upper

276 100

138 19.0 13.2 19.8

277 25.2 18.6 28.0

