

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
 Data File : BM023213.D
 Acq On : 17 Oct 2019 09:50
 Operator : JU
 Sample : K5262-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 17 12:35:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 17 12:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	442917	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1717661	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	983558	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	1834430	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1829634	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2248216	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	31136	3.09	ng/uL	0.00
5) Phenol-d5	6.83	99	535639	13.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	335159	15.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	455239	15.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	434743	14.03	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	210727	18.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	229245	20.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	442185	15.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	303594	8.87	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1295252	17.18	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1520966	17.20	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	111198	9.11	ng/ul	0.00
58) Fluorene-d10	15.30	176	1074086	16.73	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	79344	10.91	ng/ul	0.00
71) Anthracene-d10	17.15	188	1602096	18.11	ng/ul	0.00
79) Pyrene-d10	19.45	212	1675012	18.90	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	2054722	18.03	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.86	94	93862	2.359	ng/ul 100
28) Naphthalene	10.49	128	304064	3.425	ng/ul 98
34) 2-Methylnaphthalene	12.12	142	111859	1.693	ng/ul 99
35) 1-Methylnaphthalene	12.33	142	134007	2.096	ng/ul 99
45) Dimethylphthalate	13.77	163	380950	5.050	ng/ul 100
48) Acenaphthylene	14.03	152	372383	4.120	ng/ul 100
50) Acenaphthene	14.37	153	410219	6.518	ng/ul 98
54) Dibenzofuran	14.71	168	463683	5.189	ng/ul 100
59) Fluorene	15.36	166	452210	6.169	ng/ul 98
70) Phenanthrene	17.10	178	3114332	30.251	ng/ul 99
72) Anthracene	17.19	178	751046	7.060	ng/ul 99
75) Carbazole	17.45	167	335700	3.532	ng/ul 99
76) Di-n-butylphthalate	18.04	149	127087	1.124	ng/ul# 94
77) Fluoranthene	19.12	202	5653833	46.178	ng/ul 100
80) Pyrene	19.48	202	5075314	44.280	ng/ul 100
81) Butylbenzylphthalate	20.40	149	53327	1.338	ng/ul# 97
83) Benzo(a)anthracene	21.23	228	3242996	26.159	ng/ul 93
84) Bis(2-ethylhexyl)phthalate	21.19	149	875856	13.817	ng/ul 100
85) Chrysene	21.29	228	3245835	28.197	ng/ul 97
87) Di-n-octyl phthalate	22.07	149	285875	2.465	ng/ul 100
88) Benzo(b)fluoranthene	22.80	252	5233375	38.393	ng/ul 98
89) Benzo(k)fluoranthene	22.80	252	5233375	39.984	ng/ul 98
91) Benzo(a)pyrene	23.37	252	3958868	30.272	ng/ul 97

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QLast Update : Thu Oct 17 12:33:14 2019
Response via : Initial Calibration

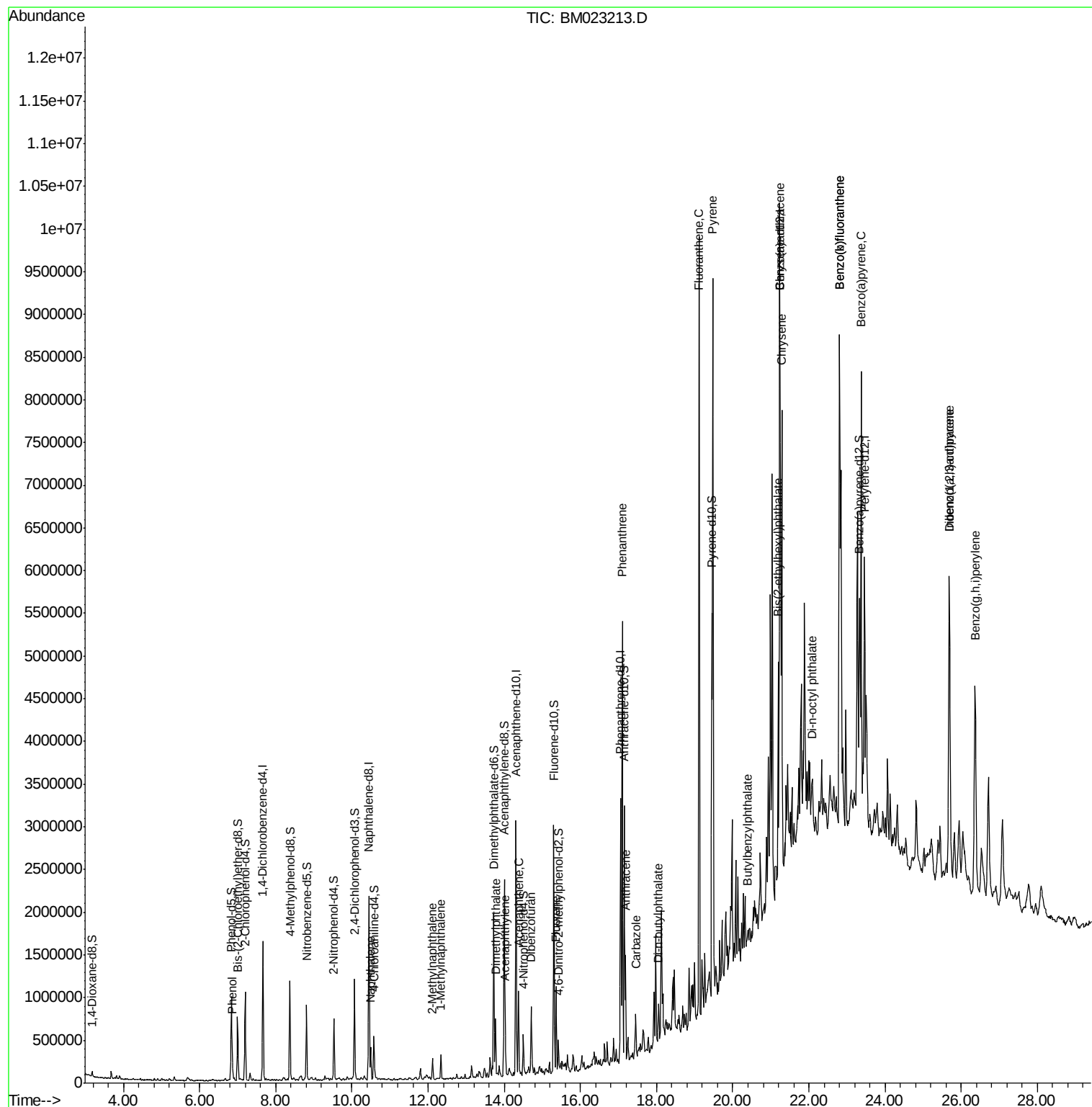
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Indeno(1,2,3-cd)pyrene	25.69	276	3165736	20.348	ng/ul	97
93) Dibenzo(a,h)anthracene	25.69	278	889841	6.841	ng/ul#	93
94) Benzo(g,h,i)perylene	26.37	276	3082733	24.066	ng/ul	98

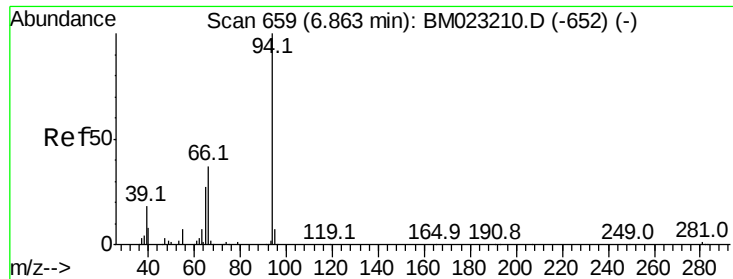
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.359 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.01 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Instrument :

BNA_M

ClientSampleId :

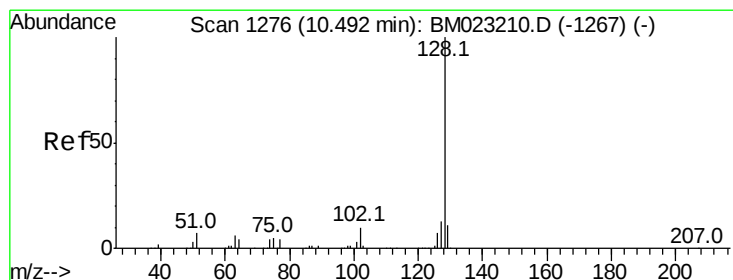
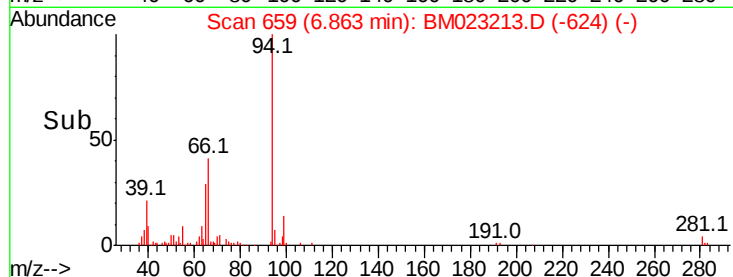
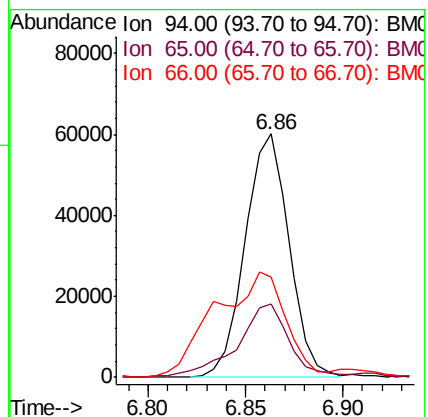
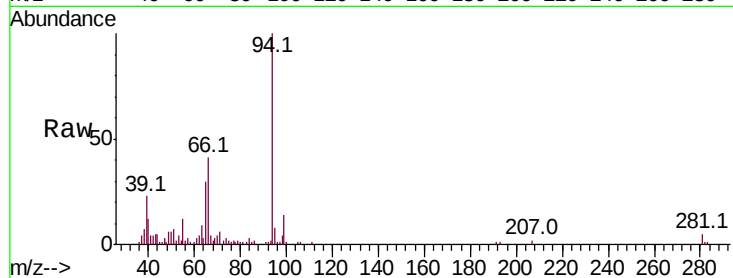
Tot Ion: 94 Resp: 93862

Ion Ratio Lower Upper

94 100

65 29.9 23.7 35.5

66 41.3 32.9 49.3



#28

Naphthalene

Concen: 3.425 ng/ul

RT: 10.49 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

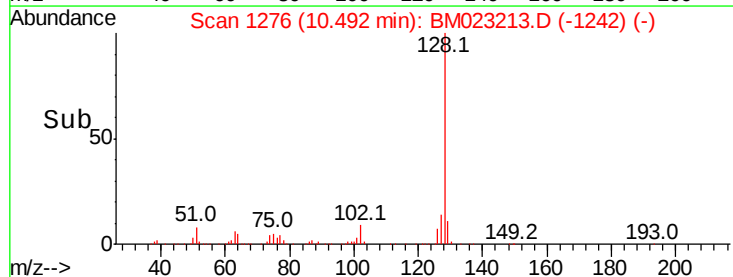
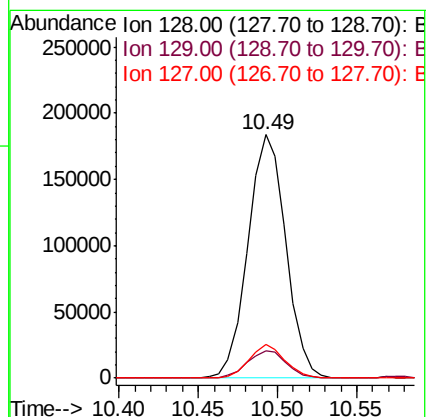
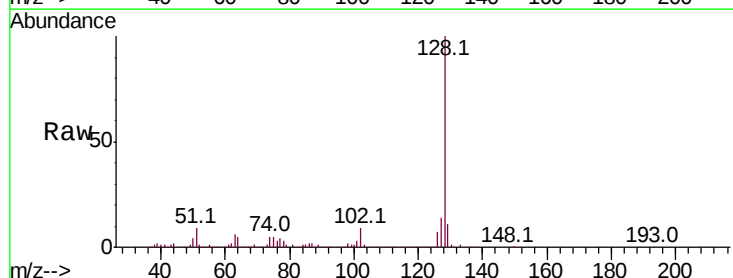
Tgt Ion: 128 Resp: 304064

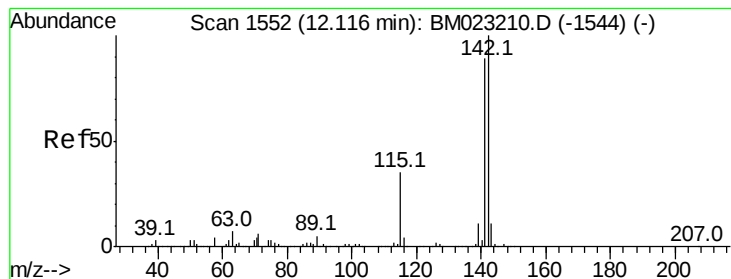
Ion Ratio Lower Upper

128 100

129 11.0 8.3 12.5

127 13.6 10.2 15.4





#34

2-Methylnaphthalene

Concen: 1.693 ng/ul

RT: 12.12 min Scan# 1552

Delta R.T. -0.00 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Instrument :

BNA_M

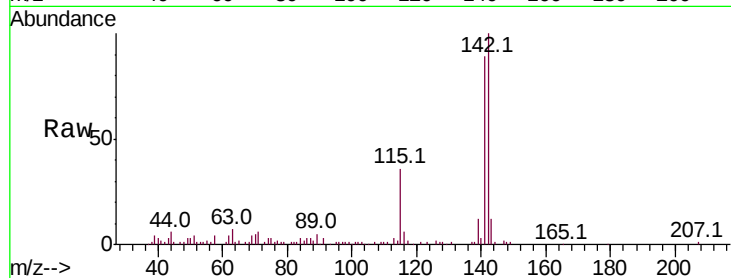
ClientSampleId :

Tot Ion:142 Resp: 111859

Ion Ratio Lower Upper

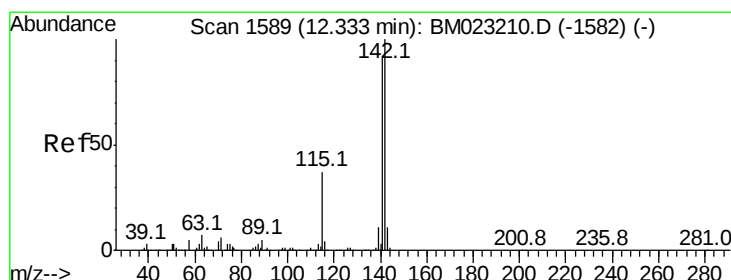
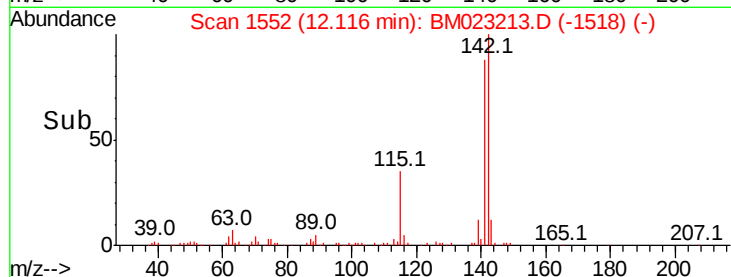
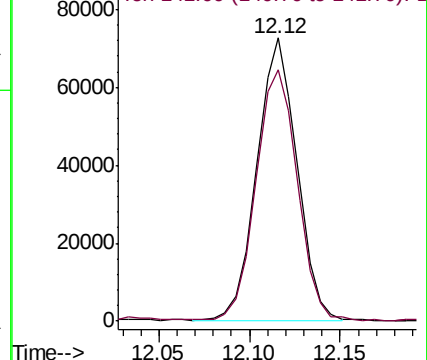
142 100

141 88.7 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 2.096 ng/ul

RT: 12.33 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

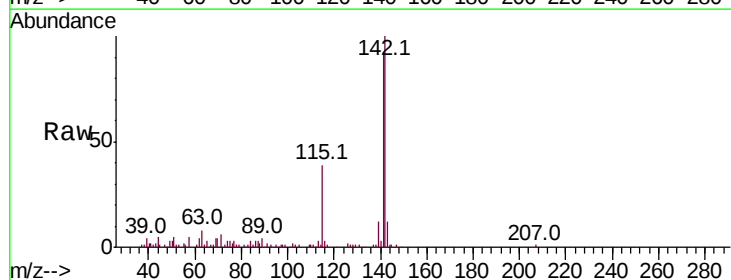
Tgt Ion:142 Resp: 134007

Ion Ratio Lower Upper

142 100

141 91.9 74.2 111.2

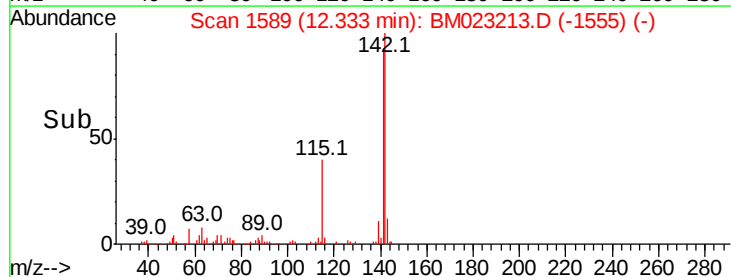
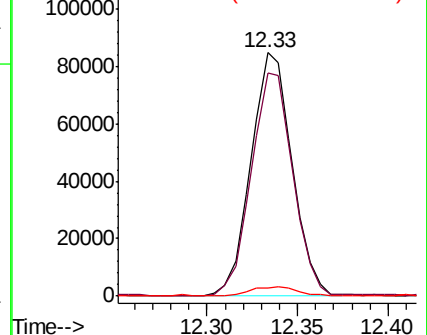
116 3.5 3.3 4.9

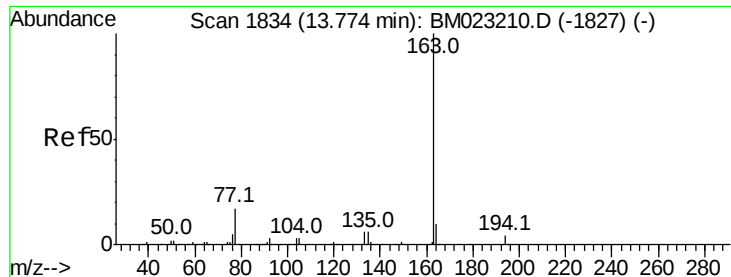


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

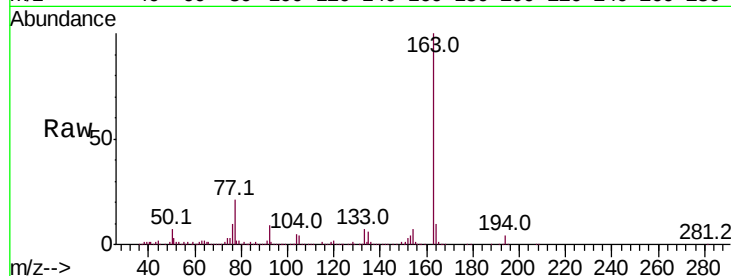




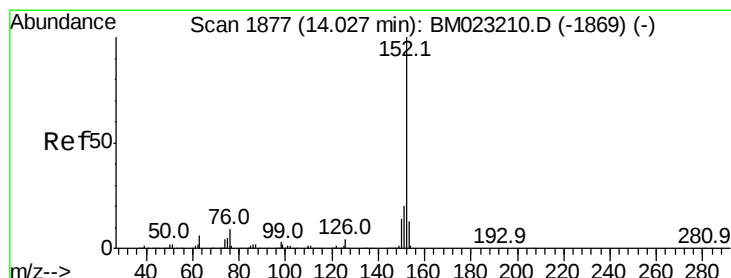
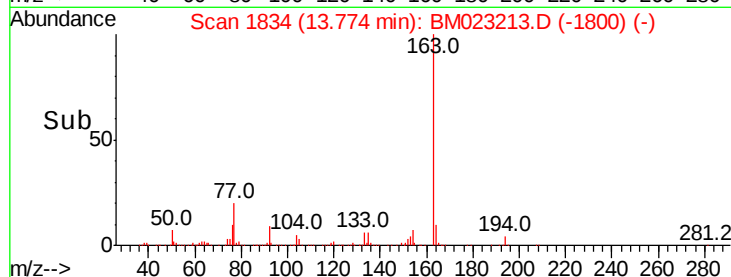
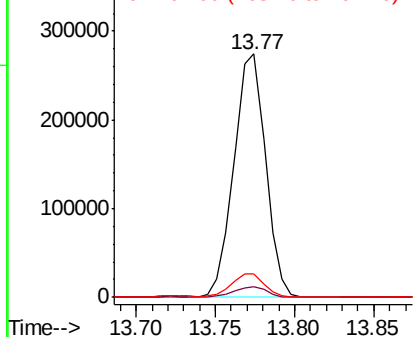
#45
Dimethylphthalate
Concen: 5.050 ng/ul
RT: 13.77 min Scan# 1834
Delta R.T. -0.00 min
Lab File: BM023213.D
Acq: 17 Oct 2019 09:50

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	9.8	8.0	12.0

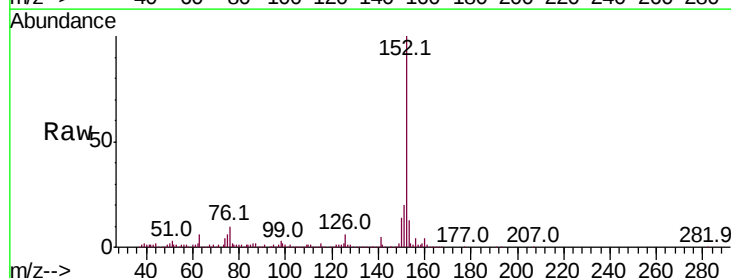


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

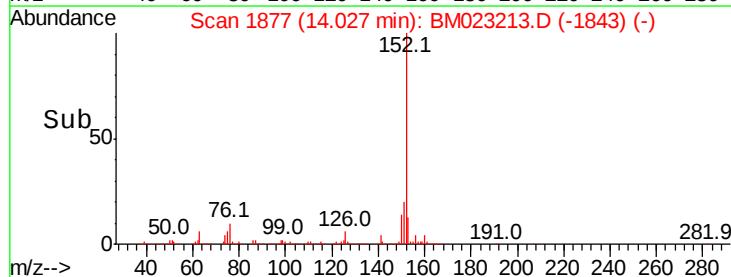
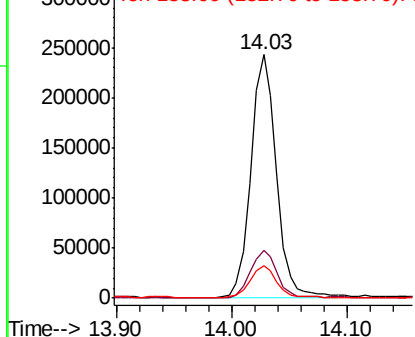


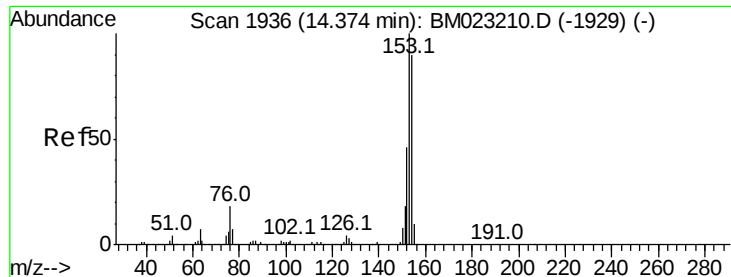
#48
Acenaphthylene
Concen: 4.120 ng/ul
RT: 14.03 min Scan# 1877
Delta R.T. -0.00 min
Lab File: BM023213.D
Acq: 17 Oct 2019 09:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.2	10.3	15.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 6.518 ng/ul

RT: 14.37 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Instrument :

BNA_M

ClientSampleId :

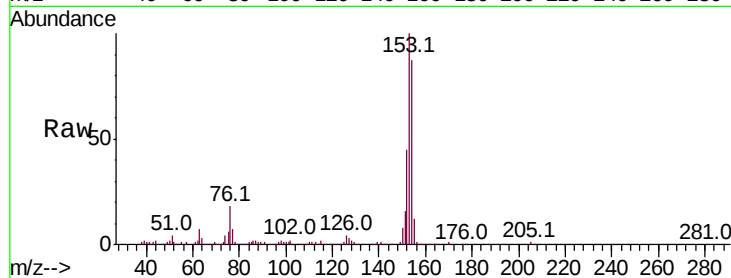
Tot Ion:153 Resp: 410219

Ion Ratio Lower Upper

153 100

152 45.3 38.0 57.0

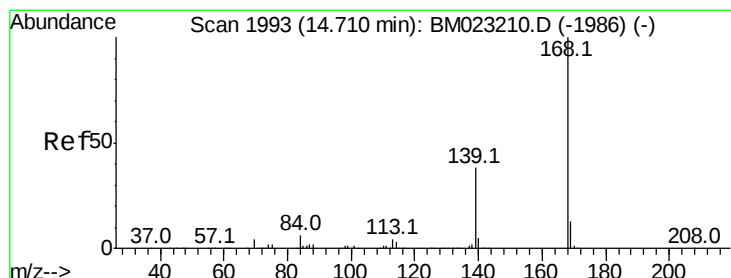
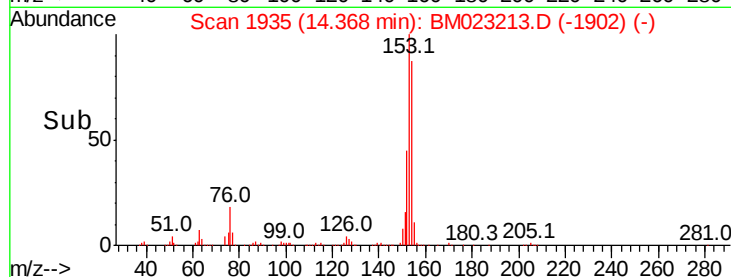
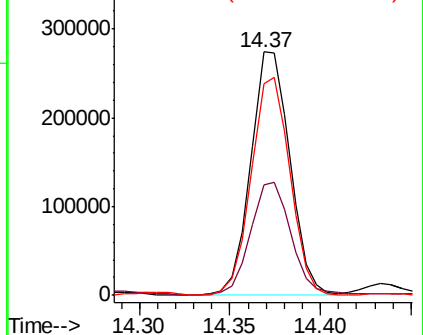
154 86.7 70.4 105.6



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



#54

Dibenzofuran

Concen: 5.189 ng/ul

RT: 14.71 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BM023213.D

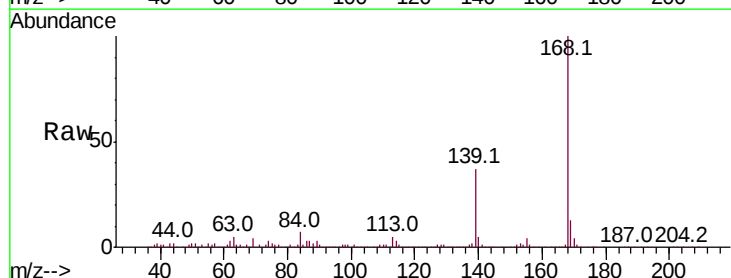
Acq: 17 Oct 2019 09:50

Tgt Ion:168 Resp: 463683

Ion Ratio Lower Upper

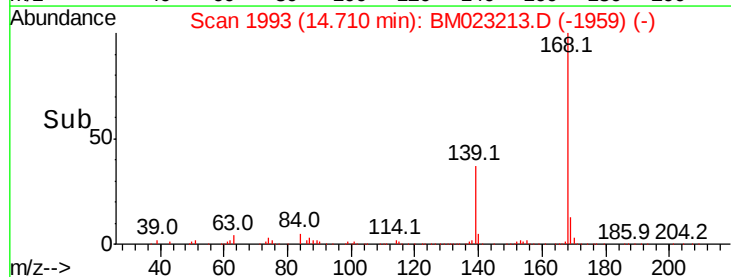
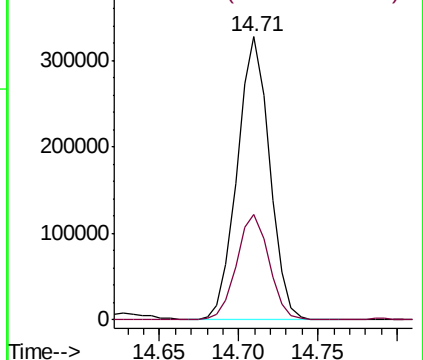
168 100

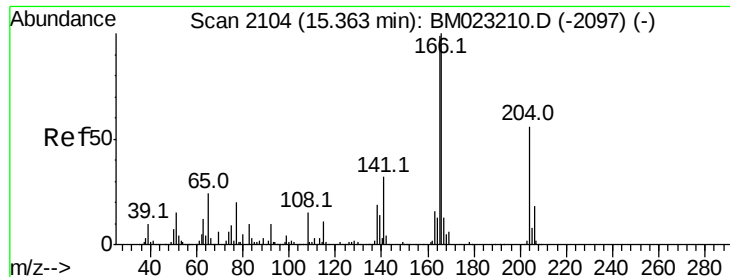
139 37.4 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

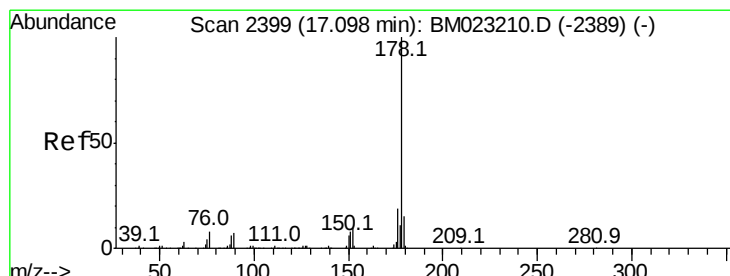
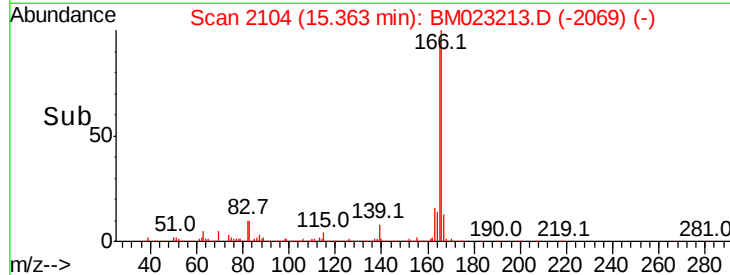
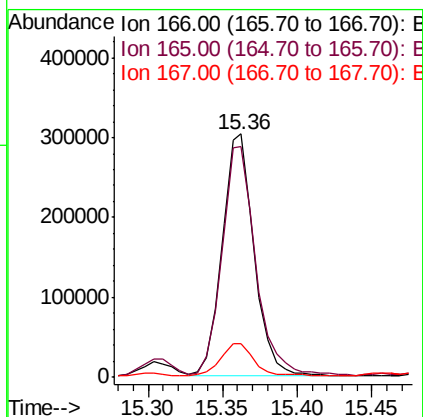
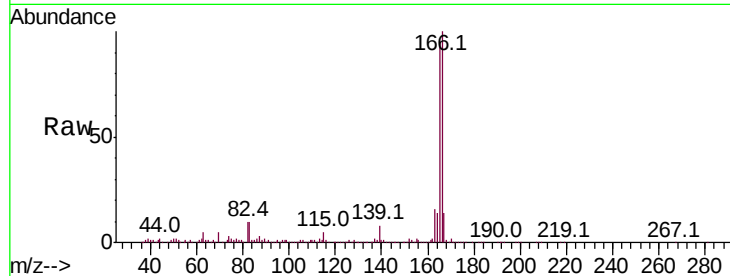




#59
 Fluorene
 Concen: 6.169 ng/ul
 RT: 15.36 min Scan# 2104
 Delta R.T. 0.01 min
 Lab File: BM023213.D
 Acq: 17 Oct 2019 09:50

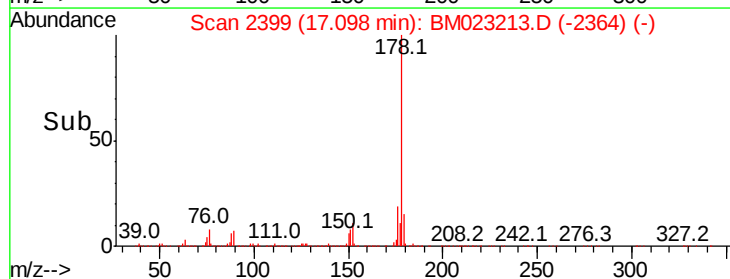
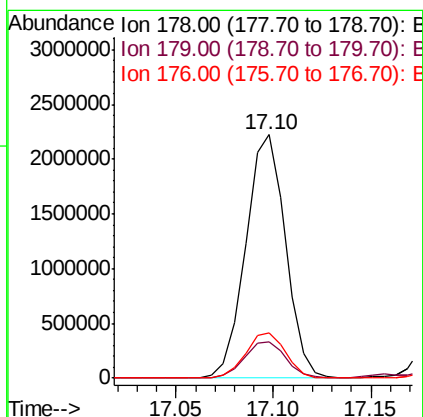
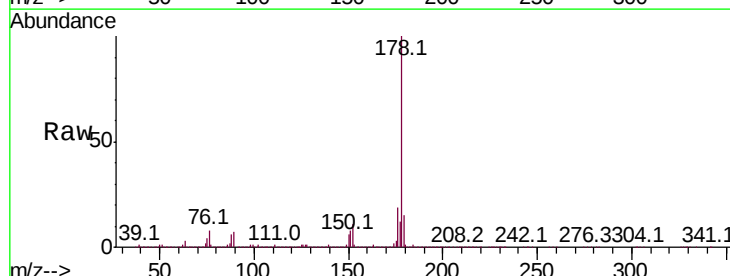
Instrument :
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 ClientSampleId :

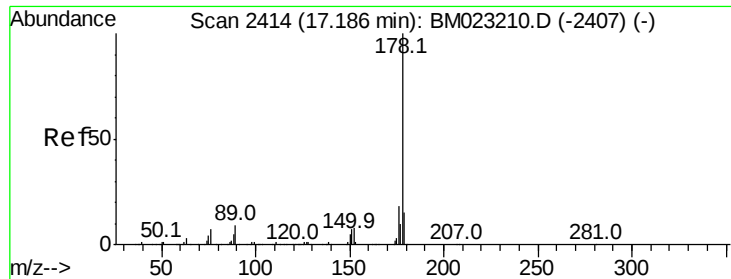
Tot Ion:166 Resp: 452210
 Ion Ratio Lower Upper
 166 100
 165 94.9 77.4 116.0
 167 13.8 10.8 16.2



#70
 Phenanthrene
 Concen: 30.251 ng/ul
 RT: 17.10 min Scan# 2399
 Delta R.T. 0.01 min
 Lab File: BM023213.D
 Acq: 17 Oct 2019 09:50

Tgt Ion:178 Resp: 3114332
 Ion Ratio Lower Upper
 178 100
 179 15.1 12.3 18.5
 176 18.8 15.5 23.3





#72

Anthracene

Concen: 7.060 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

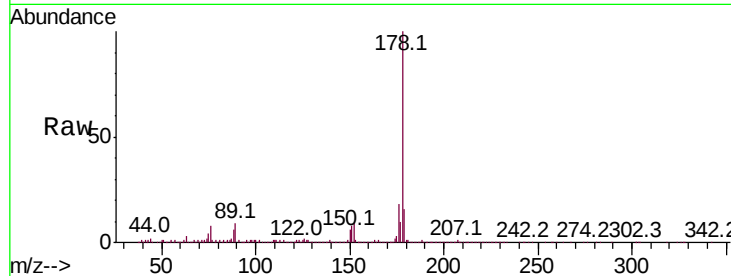
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 751046

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	18.4	15.0	22.4

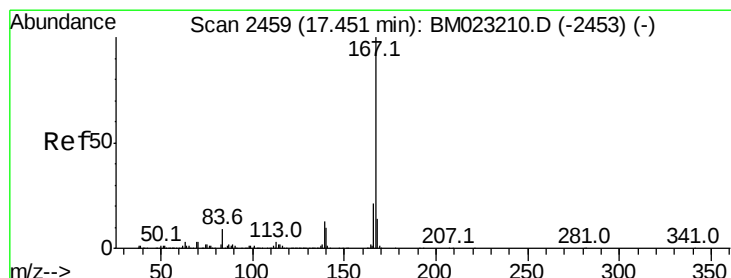
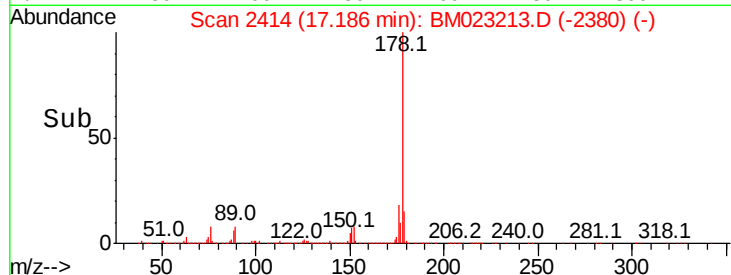
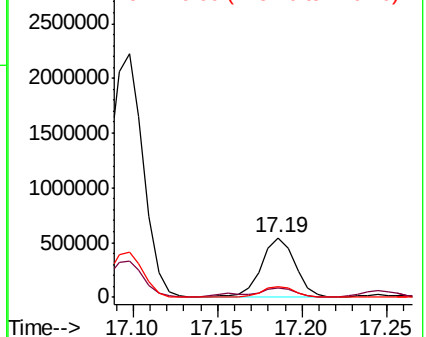


Abundance

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: 3.532 ng/ul

RT: 17.45 min Scan# 2459

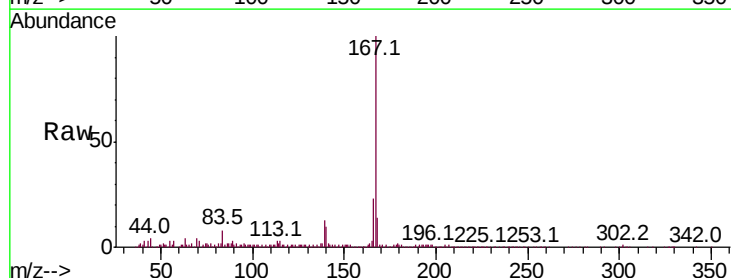
Delta R.T. -0.00 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Tgt Ion:167 Resp: 335700

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.4	26.0
139	13.0	10.2	15.2

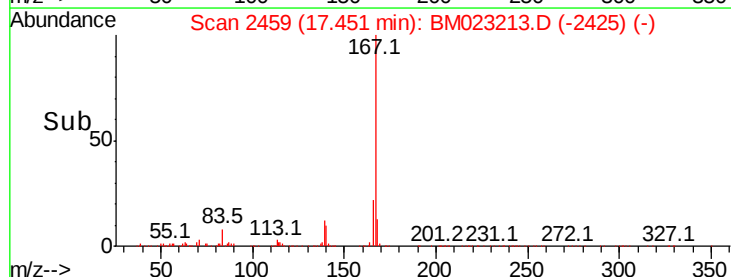
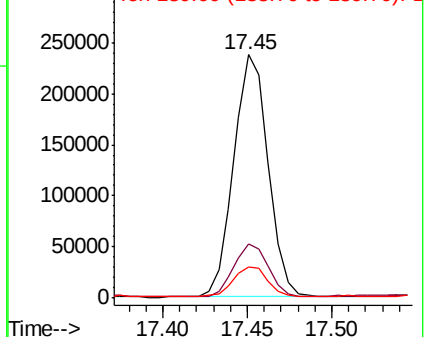


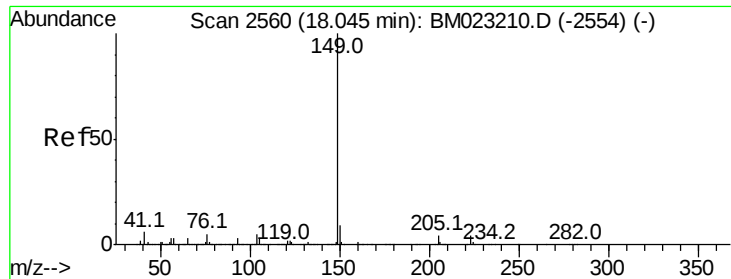
Abundance

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

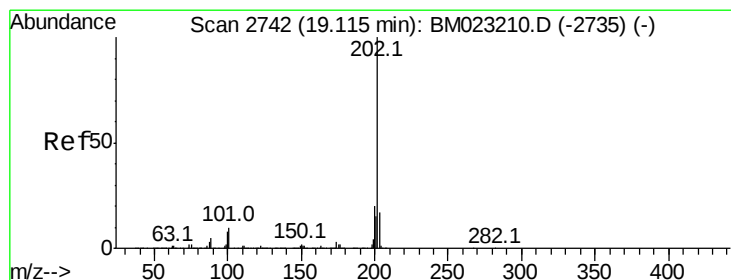
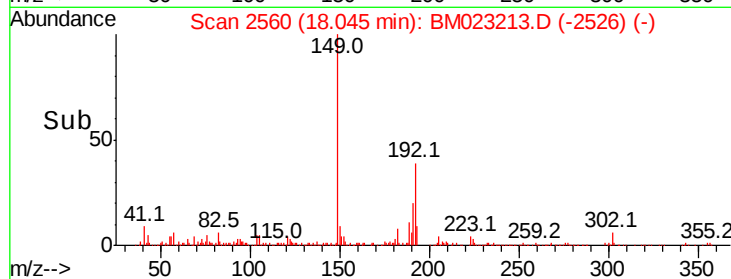
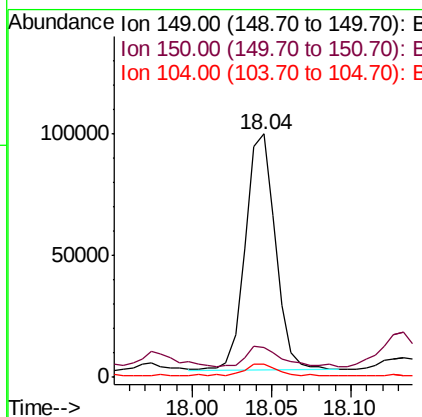
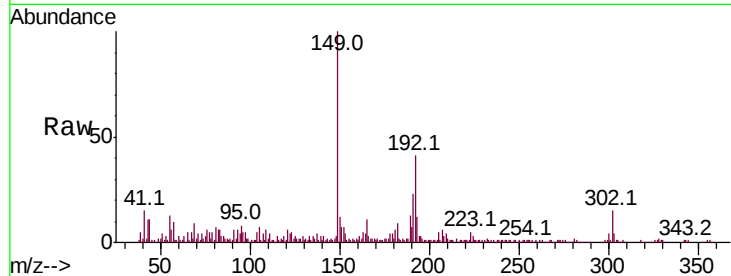




#76
Di-n-butylphthalate
Concen: 1.124 ng/ul
RT: 18.04 min Scan# 2560
Delta R.T. -0.00 min
Lab File: BM023213.D
Acq: 17 Oct 2019 09:50

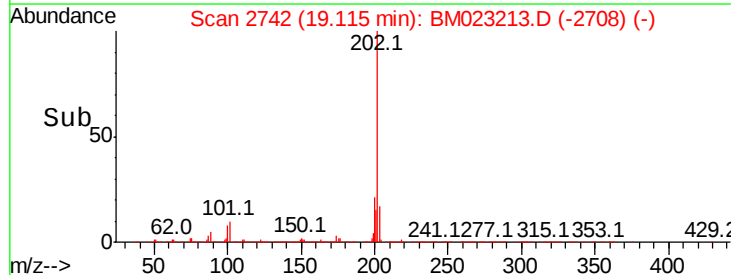
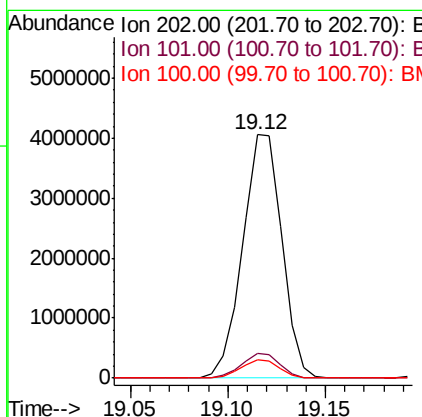
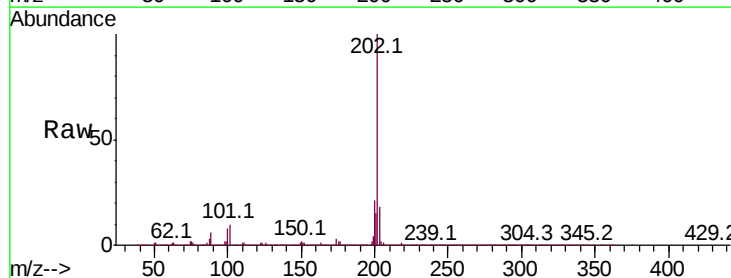
Instrument :
BNA_M
ClientSampled :

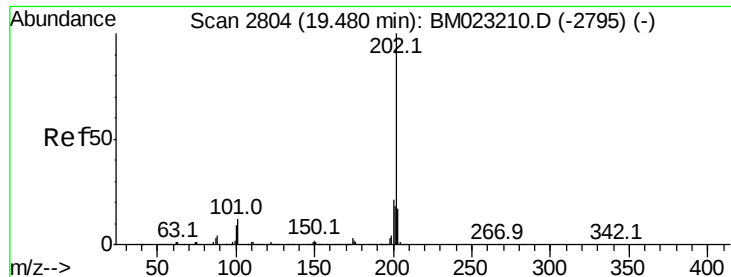
Tot Ion:149 Resp: 127087
Ion Ratio Lower Upper
149 100
150 12.1 7.0 10.4#
104 5.2 4.0 6.0



#77
Fluoranthene
Concen: 46.178 ng/ul
RT: 19.12 min Scan# 2742
Delta R.T. -0.00 min
Lab File: BM023213.D
Acq: 17 Oct 2019 09:50

Tgt Ion:202 Resp: 5653833
Ion Ratio Lower Upper
202 100
101 10.1 7.8 11.8
100 7.6 6.1 9.1

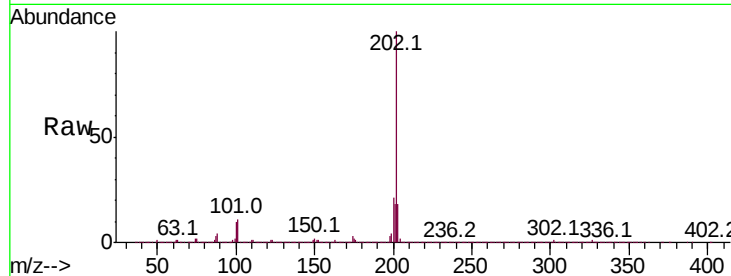




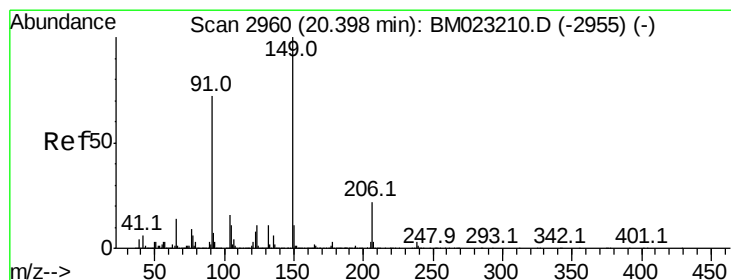
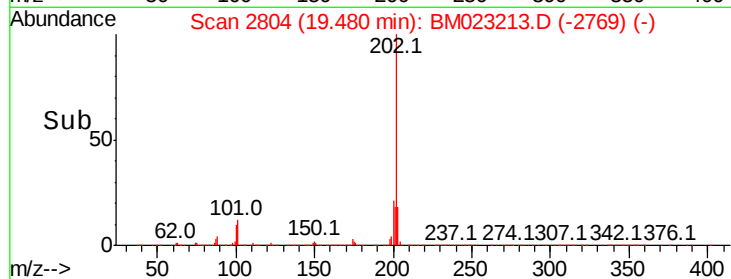
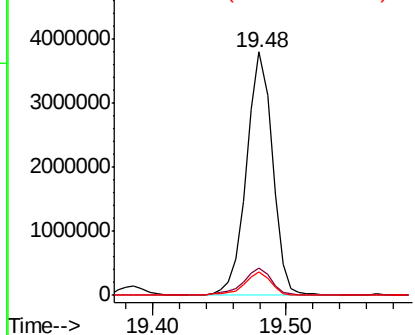
#80
Pvrene
Concen: 44.280 ng/ul
RT: 19.48 min Scan# 2804
Delta R.T. 0.01 min
Lab File: BM023213.D
Acq: 17 Oct 2019 09:50

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 5075314
Ion Ratio Lower Upper
202 100
101 11.4 9.1 13.7
100 9.5 7.5 11.3

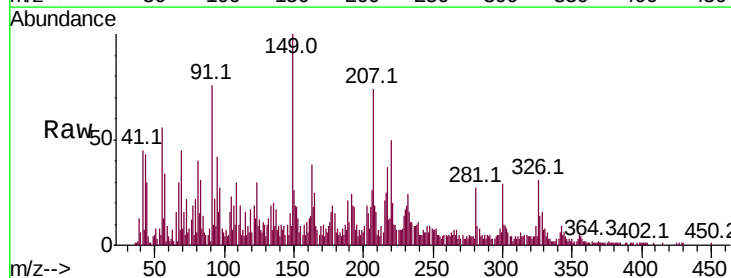


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

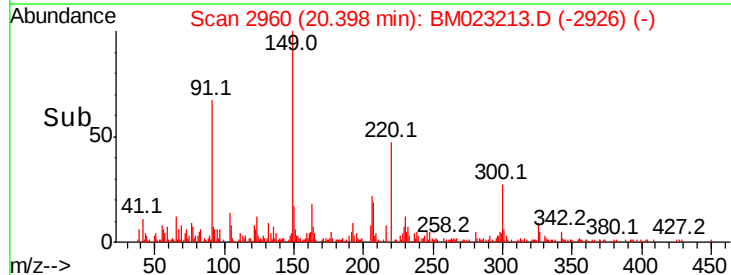
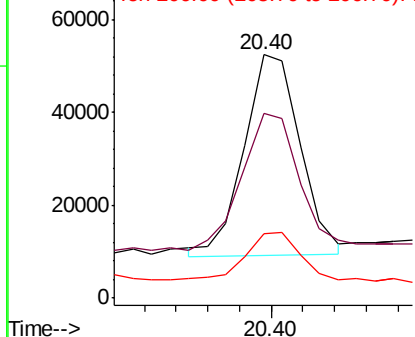


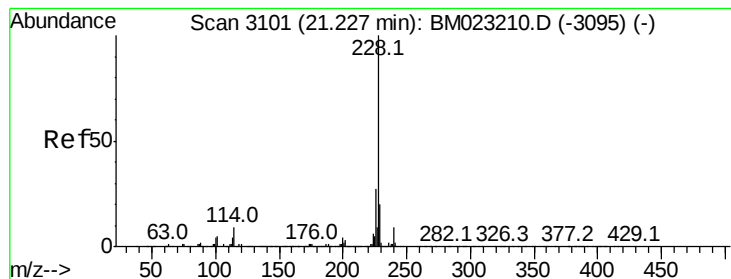
#81
Butylbenzylphthalate
Concen: 1.338 ng/ul
RT: 20.40 min Scan# 2960
Delta R.T. -0.00 min
Lab File: BM023213.D
Acq: 17 Oct 2019 09:50

Tgt Ion:149 Resp: 53327
Ion Ratio Lower Upper
149 100
91 75.9 59.9 89.9
206 26.4 17.1 25.7#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): B
Ion 206.00 (205.70 to 206.70): E





#83

Benzo(a)anthracene

Concen: 26.159 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. 0.01 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Instrument :

BNA_M

ClientSampleId :

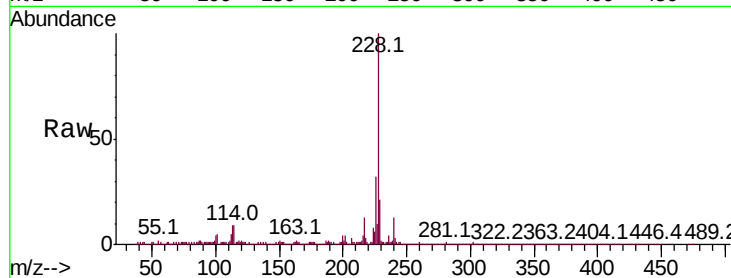
Tot Ion:228 Resp: 3242996

Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.7	23.5
226	31.9	21.6	32.4

228 100

229 20.8 15.7 23.5

226 31.9 21.6 32.4

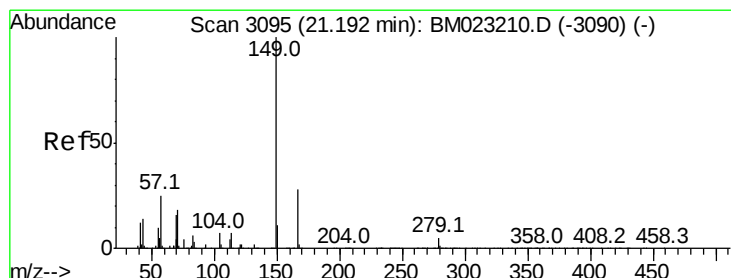
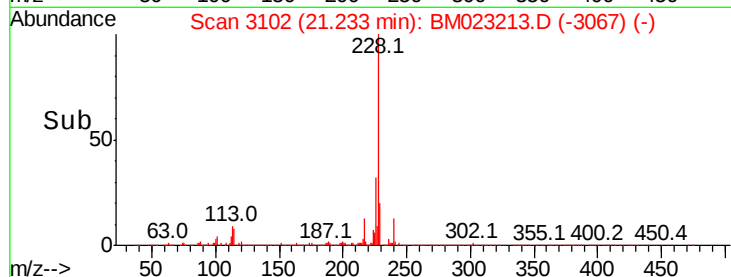
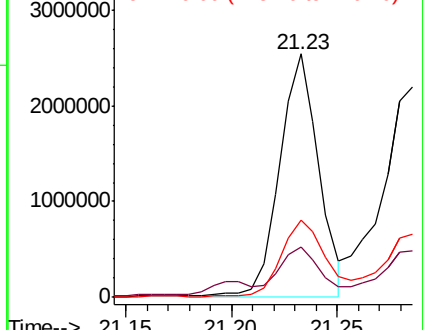


Abundance

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: 13.817 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

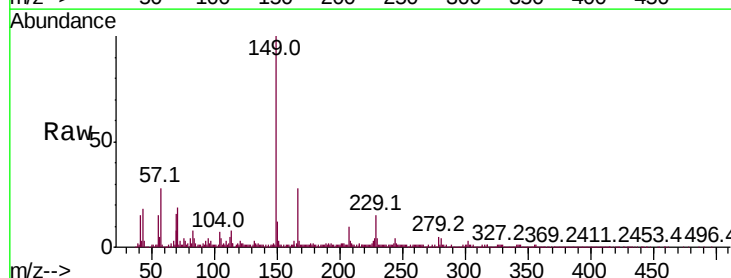
Tgt Ion:149 Resp: 875856

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.5	33.7
279	5.2	4.0	6.0

149 100

167 28.2 22.5 33.7

279 5.2 4.0 6.0

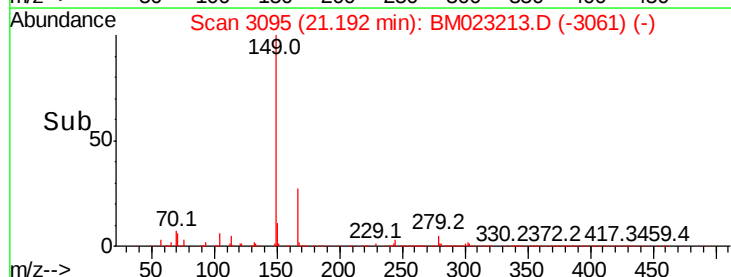
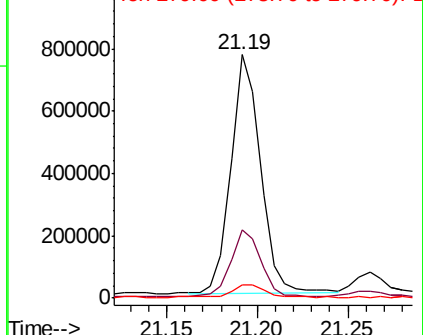


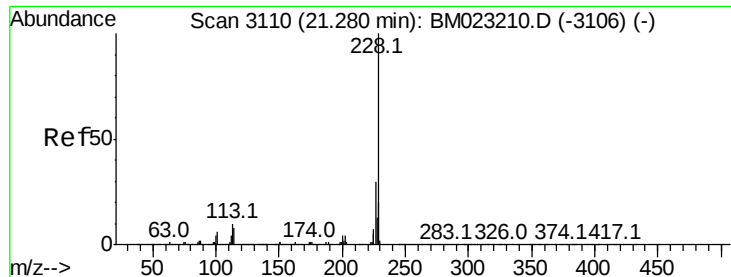
Abundance

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: 28.197 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. 0.01 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

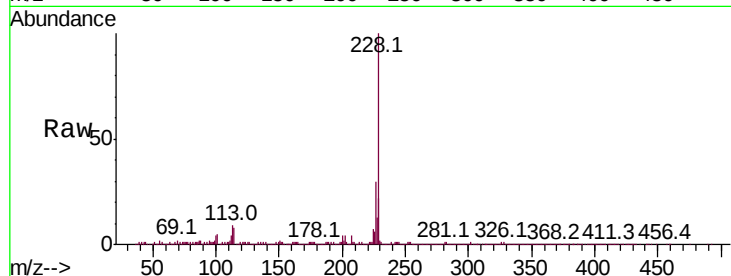
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 3245835

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.6
229	21.9	15.5	23.3

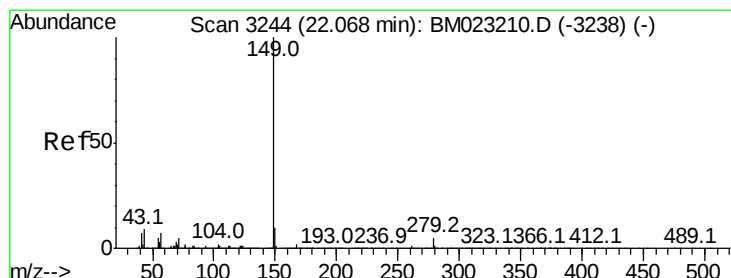
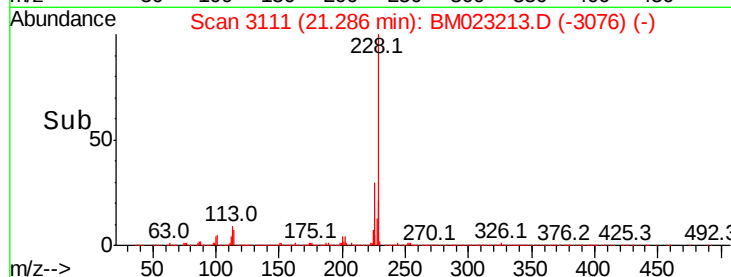
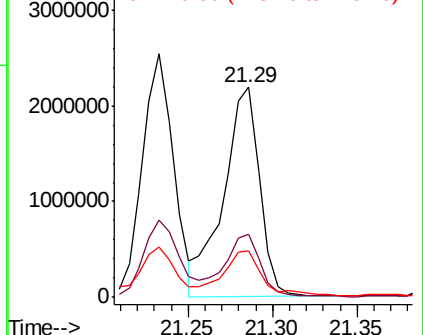


Abundance

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

Di-n-octyl phthalate

Concen: 2.465 ng/ul

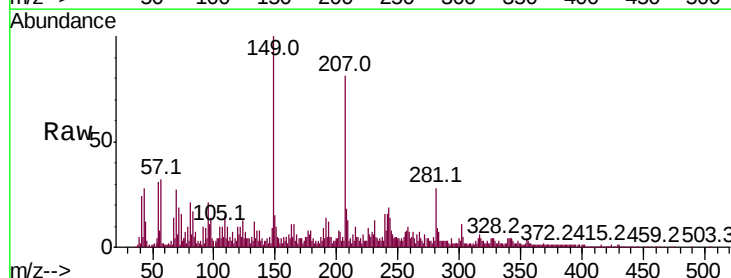
RT: 22.07 min Scan# 3244

Delta R.T. -0.00 min

Lab File: BM023213.D

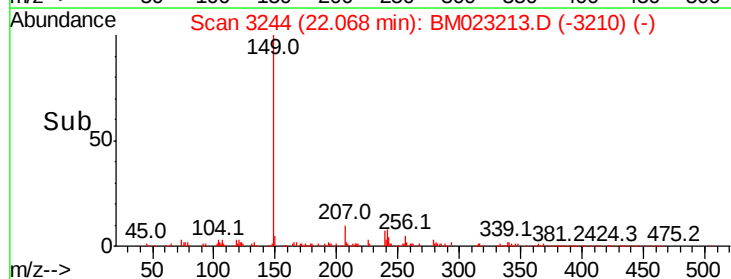
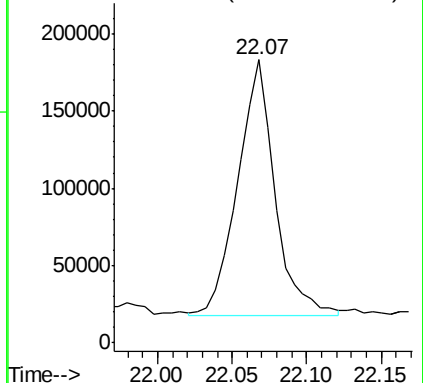
Acq: 17 Oct 2019 09:50

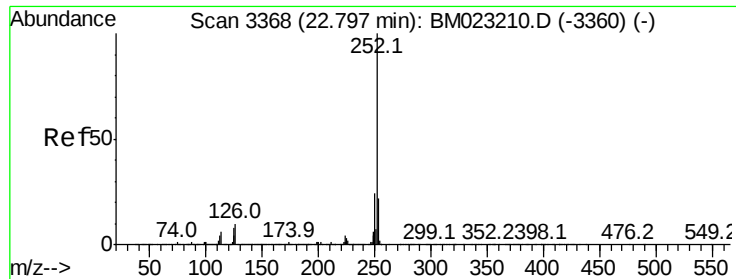
Tgt Ion:149 Resp: 285875



Abundance

Ion 149.00 (148.70 to 149.70): E





#88

Benzo(b)fluoranthene

Concen: 38.393 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.01 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Instrument :

BNA_M

ClientSampleId :

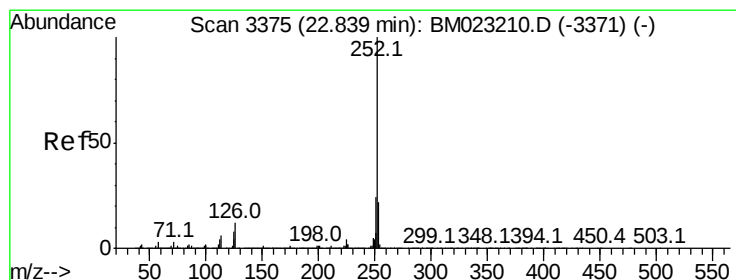
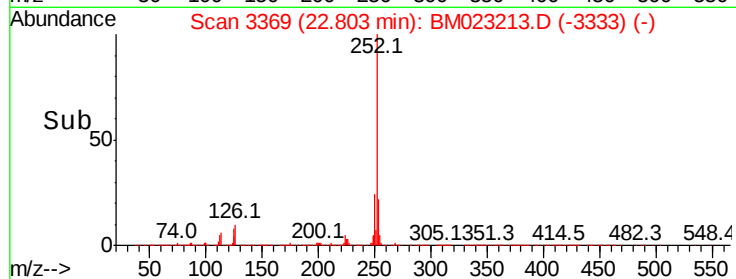
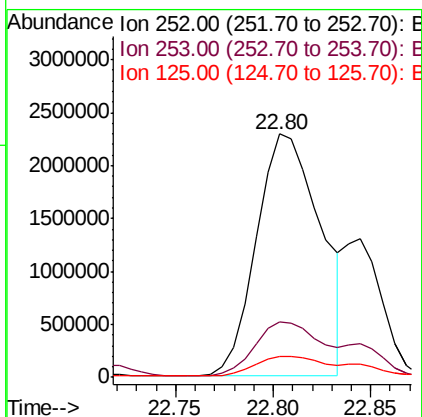
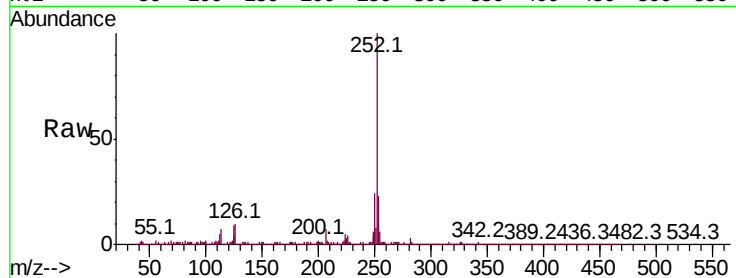
Tot Ion:252 Resp: 5233375

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 8.6 6.4 9.6



#89

Benzo(k)fluoranthene

Concen: 39.984 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. -0.04 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

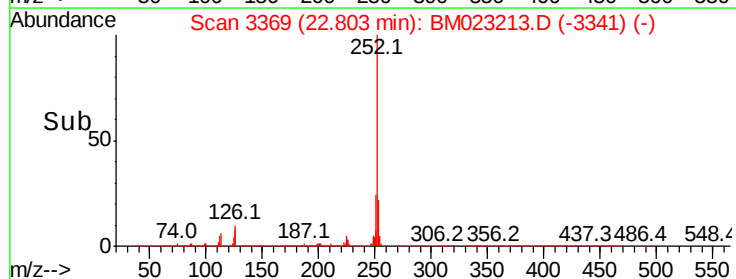
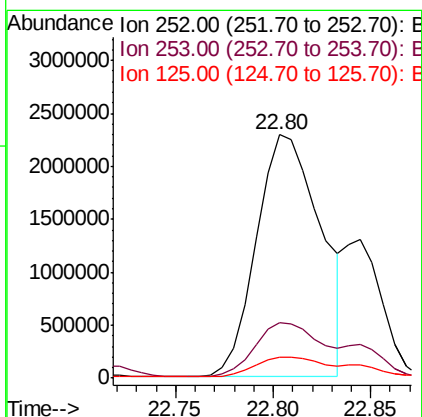
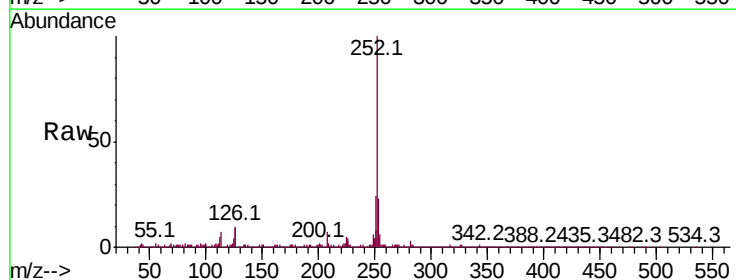
Tgt Ion:252 Resp: 5233375

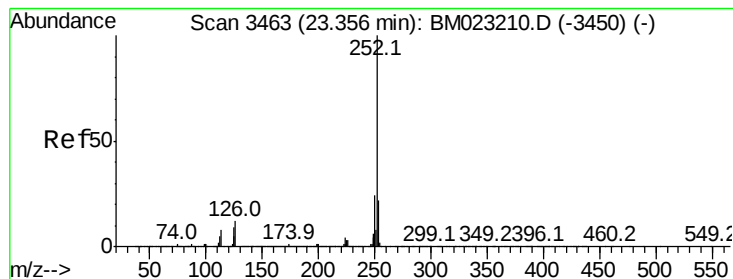
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 8.6 6.5 9.7





#91

Benzo(a)pyrene

Concen: 30.272 ng/ul

RT: 23.37 min Scan# 3465

Delta R.T. 0.01 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Instrument :

BNA_M

ClientSampled :

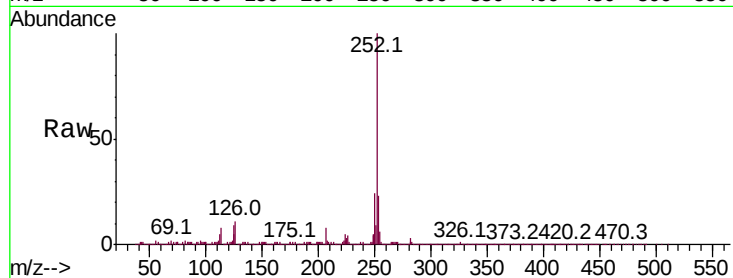
Tot Ion:252 Resp: 3958868

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

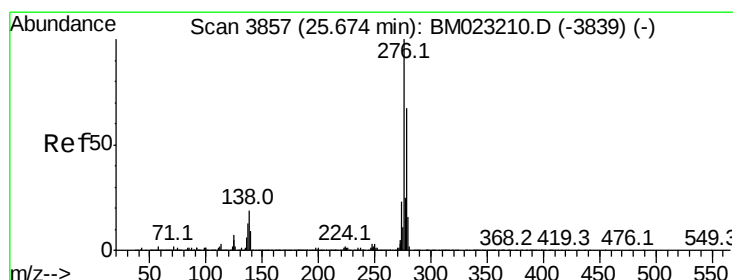
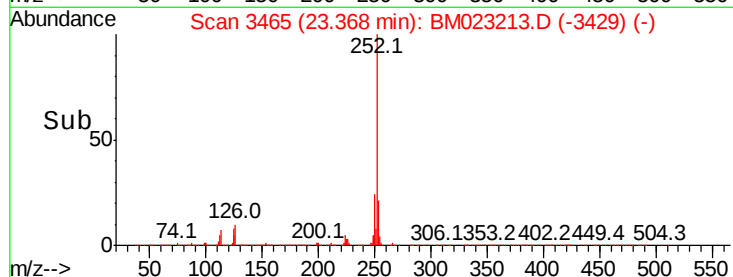
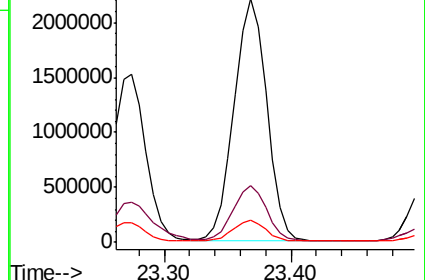
125 8.9 7.4 11.0



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: 20.348 ng/ul

RT: 25.69 min Scan# 3860

Delta R.T. 0.02 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

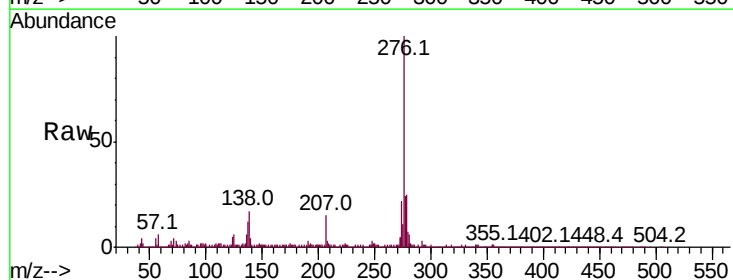
Tgt Ion:276 Resp: 3165736

Ion Ratio Lower Upper

276 100

138 16.5 14.9 22.3

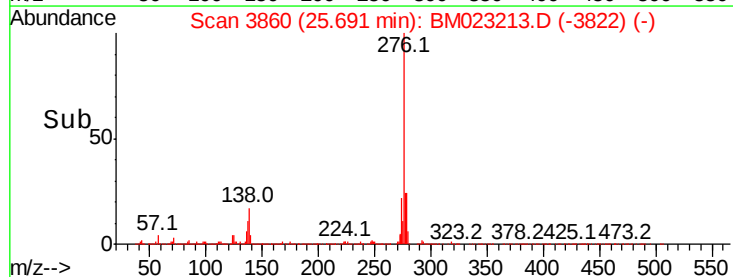
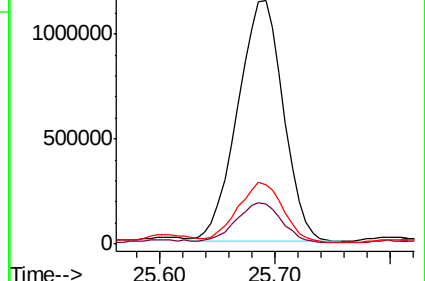
277 24.3 19.8 29.8

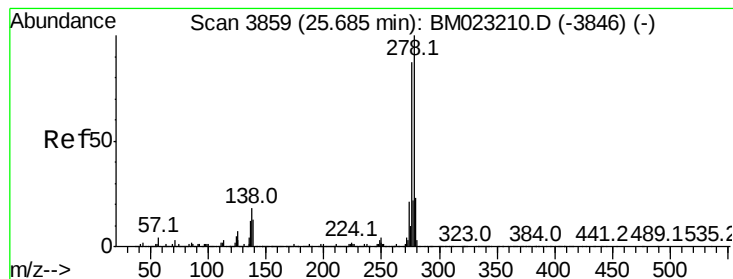


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 6.841 ng/ul

RT: 25.69 min Scan# 3860

Delta R.T. 0.01 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Instrument :

BNA_M

ClientSampleId :

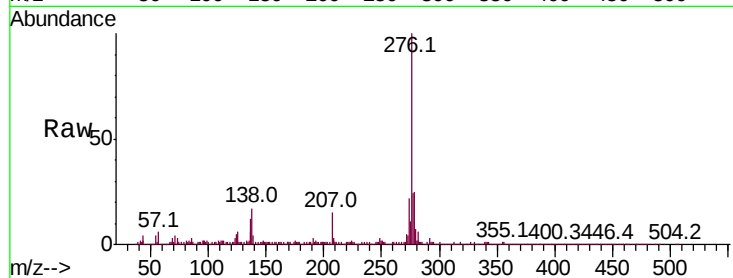
Tot Ion:278 Resp: 889841

Ion Ratio Lower Upper

278 100

139 16.0 10.0 15.0#

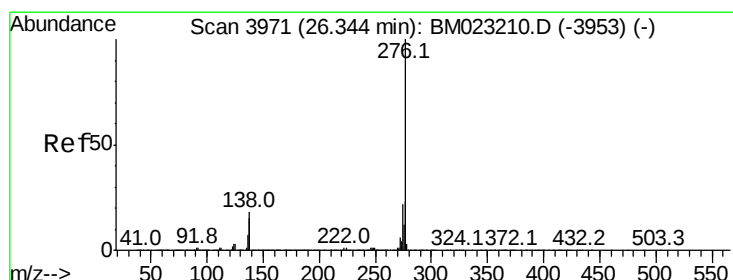
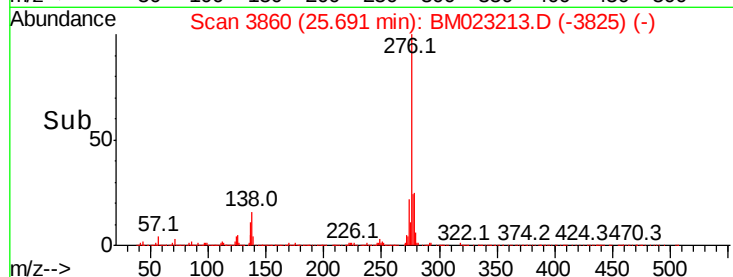
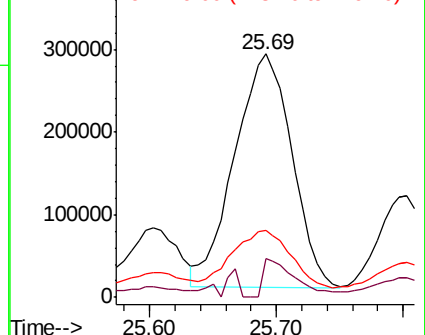
279 27.3 19.4 29.0



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



#94

Benzo(g,h,i)perylene

Concen: 24.066 ng/ul

RT: 26.37 min Scan# 3975

Delta R.T. 0.03 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

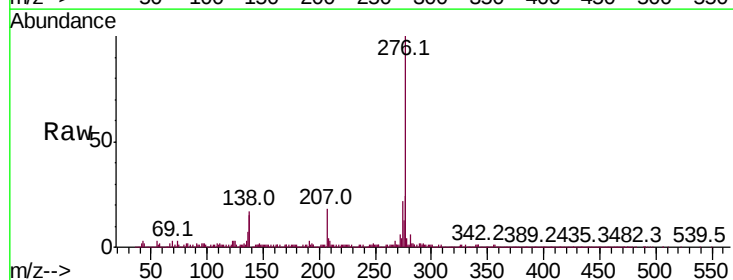
Tgt Ion:276 Resp: 3082733

Ion Ratio Lower Upper

276 100

138 16.5 14.4 21.6

277 24.1 19.4 29.2



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

