

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051719\
 Data File : BM020360.D
 Acq On : 17 May 2019 12:10
 Operator : JU/SJ
 Sample : K2604-02DL 30X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ76DL

Quant Time: May 18 02:55:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 18 02:51:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	69088	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	259681	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	155973	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	351953	20.00	ng/ul	0.00
77) Chrysene-d12	21.33	240	331575	20.00	ng/ul	0.00
85) Perylene-d12	23.61	264	378269	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.90	99	5285	0.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	3632	1.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	4501	1.11	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	3582	0.89	ng/ul	0.00
19) Nitrobenzene-d5	8.91	128	1891	1.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	1993	1.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	4655	1.18	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	5762	1.42	ng/ul	0.02
43) Dimethylphthalate-d6	13.80	166	18791	1.67	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	22723	1.62	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	287	0.18	ng/ul	-0.02
57) Fluorene-d10	15.38	176	18299	1.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	1225	0.61	ng/ul	0.00
70) Anthracene-d10	17.14	188	351953	23.31	ng/ul	-0.09
78) Pyrene-d10	19.53	212	31298	1.96	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.46	264	31283	1.82	ng/ul	0.00

Target Compounds

					Qvalue	
17) Hexachloroethane	8.83	117	2654	1.362	ng/ul#	1
28) Naphthalene	10.57	128	976549	81.850	ng/ul	100
32) Caprolactam	11.52	113	2485	2.271	ng/ul#	34
34) 2-Methylnaphthalene	12.19	142	338659	39.204	ng/ul	97
40) 1,1'-Biphenyl	13.22	154	42282	3.787	ng/ul	94
47) Acenaphthylene	14.11	152	325081	24.559	ng/ul	98
49) Acenaphthene	14.44	153	42198	4.637	ng/ul	98
53) Dibenzofuran	14.79	168	98352	7.137	ng/ul	98
58) Fluorene	15.44	166	273999	24.820	ng/ul	98
60) 4-Nitroaniline	15.44	138	3580	2.022	ng/ul#	4
64) N-Nitrosodiphenylamine	15.64	169	9892	1.136	ng/ul#	89
69) Phenanthrene	17.18	178	1788212	106.634	ng/ul	99
71) Anthracene	17.27	178	489496	28.695	ng/ul	99
74) Carbazole	17.54	167	23030	1.591	ng/ul#	90
76) Fluoranthene	19.20	202	1319788	62.303	ng/ul	98
79) Pyrene	19.57	202	1644250	82.618	ng/ul	98
82) Benzo(a)anthracene	21.32	228	666417	33.393	ng/ul	96
84) Chrysene	21.37	228	544219	28.535	ng/ul	96
87) Benzo(b)fluoranthene	22.92	252	489751	22.685	ng/ul	97
88) Benzo(k)fluoranthene	22.92	252	489751	23.096	ng/ul	99
90) Benzo(a)pyrene	23.51	252	499198	24.571	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.90	276	214707	9.274	ng/ul	96
92) Dibenz(a,h)anthracene	25.91	278	60454	3.054	ng/ul#	89

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QLast Update : Sat May 18 02:51:01 2019
Response via : Initial Calibration

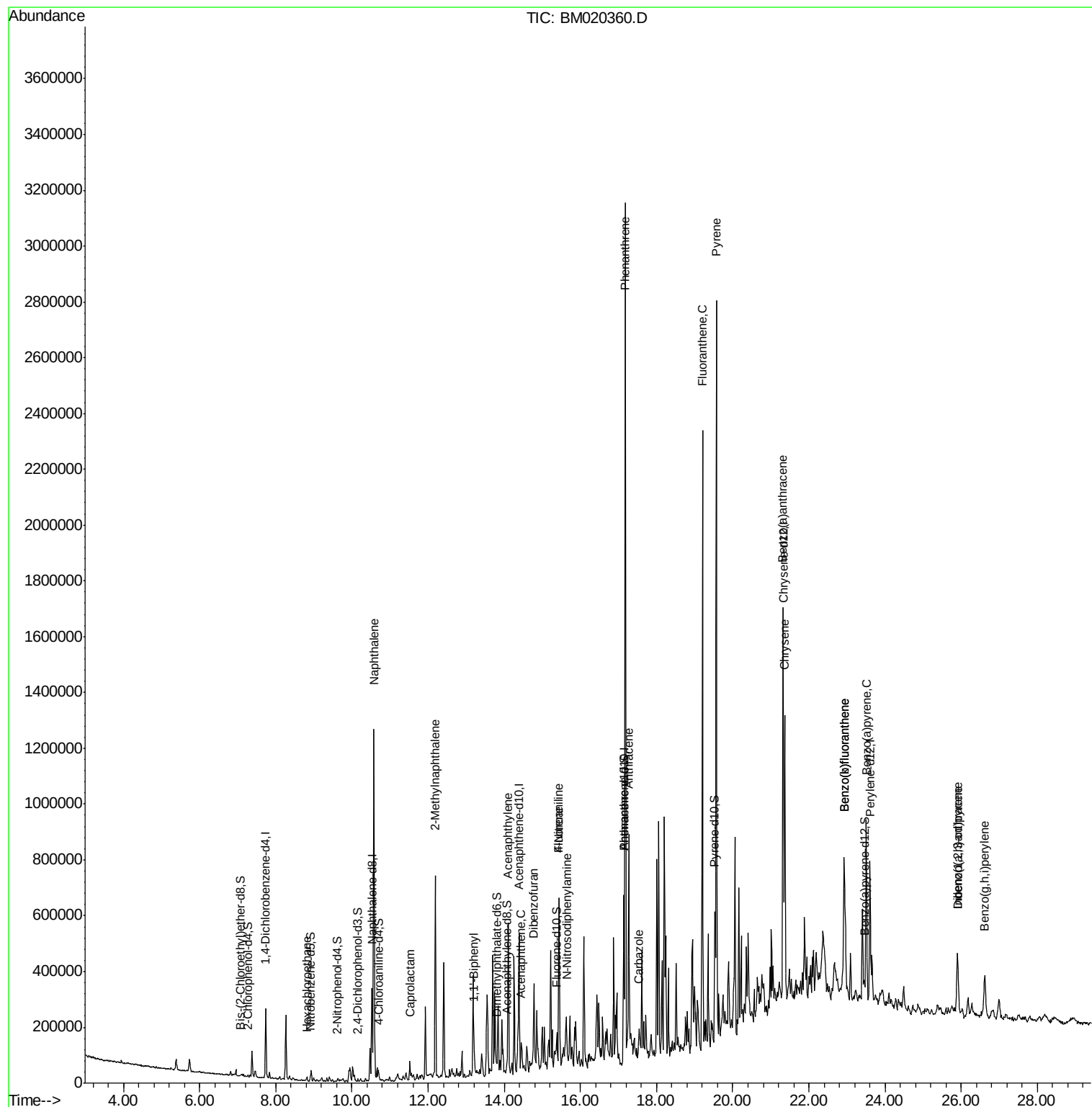
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(g,h,i)perylene	26.61	276	199451	10.408	ng/ul	98

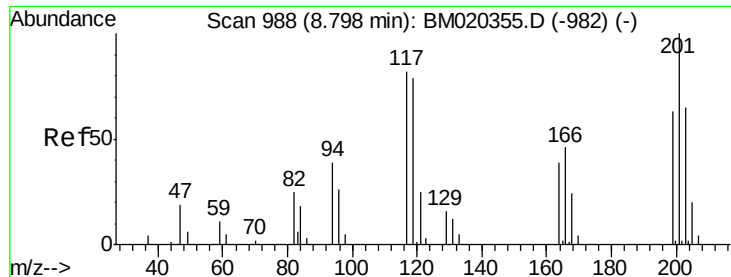
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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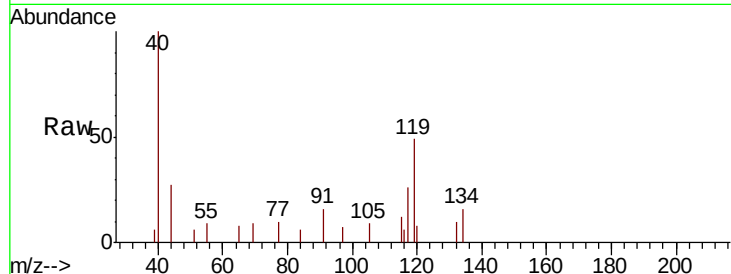




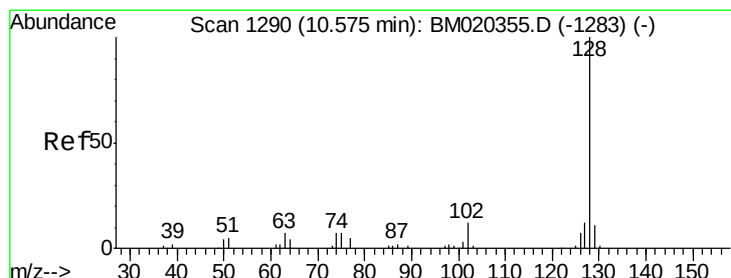
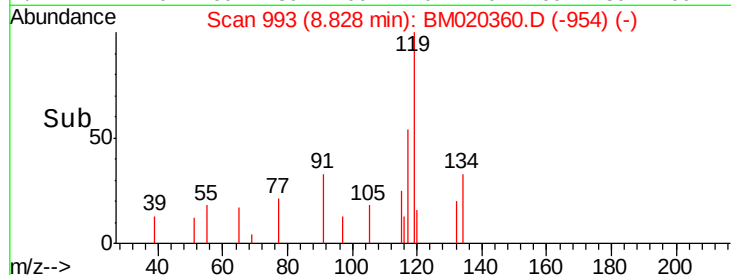
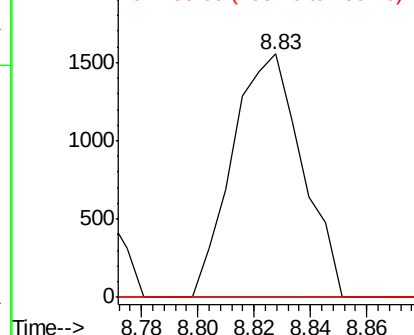
#17
Hexachloroethane
Concen: 1.362 ng/ul
RT: 8.83 min Scan# 993
Delta R.T. 0.03 min
Lab File: BM020360.D
Acq: 17 May 2019 12:10

Instrument :
BNA_M
ClientSampleId :
GAJ76DL

Tgt Ion:117 Resp: 2654
Ion Ratio Lower Upper
117 100
201 0.0 102.4 153.6#
199 0.0 63.3 94.9#

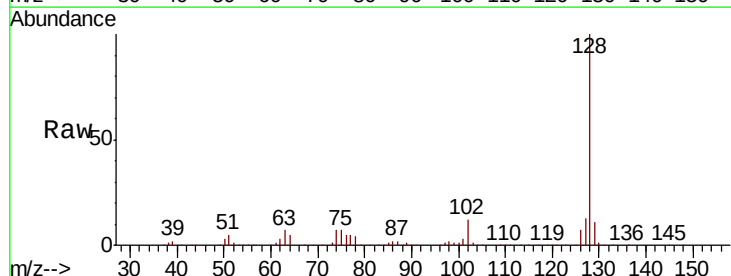


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

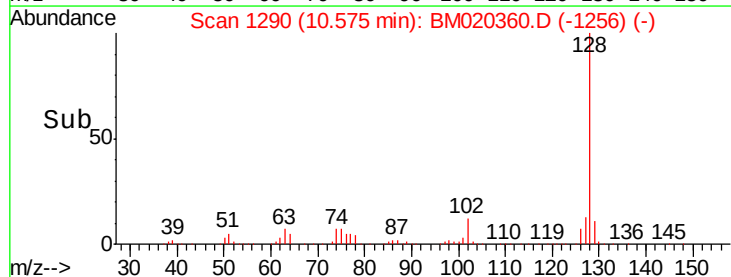
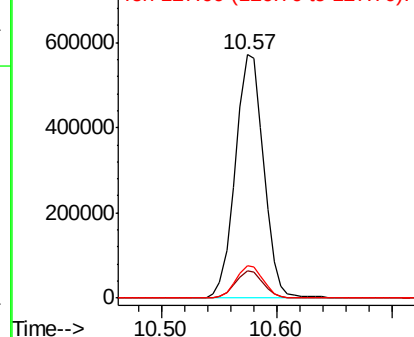


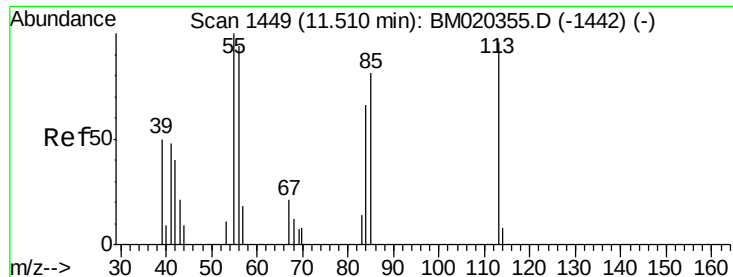
#28
Naphthalene
Concen: 81.850 ng/ul
RT: 10.57 min Scan# 1290
Delta R.T. -0.00 min
Lab File: BM020360.D
Acq: 17 May 2019 12:10

Tgt Ion:128 Resp: 976549
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.2 10.6 15.8



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





#32

Caprolactam

Concen: 2.271 ng/ul

RT: 11.52 min Scan# 1451

Delta R.T. 0.01 min

Lab File: BM020360.D

Acq: 17 May 2019 12:10

Instrument :

BNA_M

ClientSampleId :

GAJ76DL

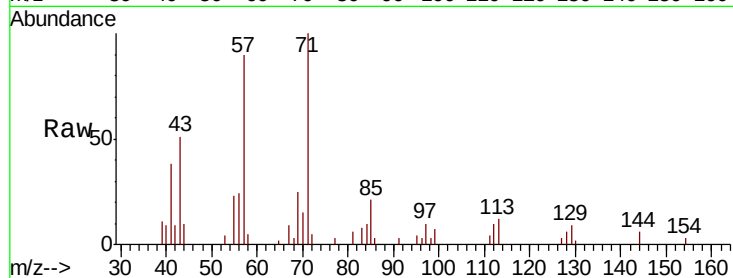
Tgt Ion:113 Resp: 2485

Ion Ratio Lower Upper

113 100

55 193.5 104.6 156.8#

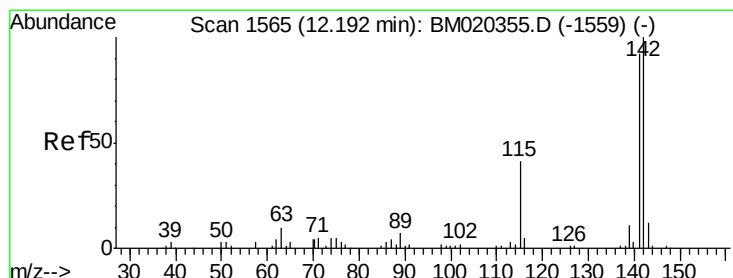
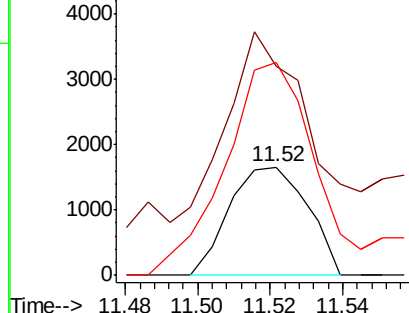
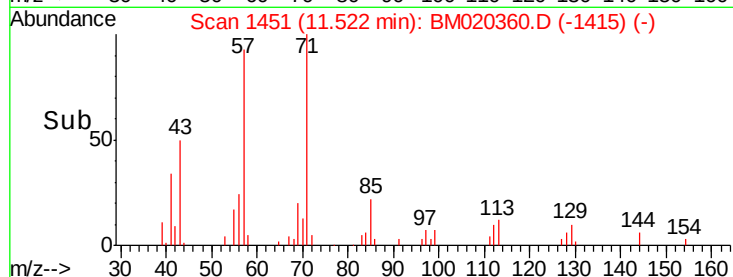
56 196.9 88.4 132.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#34

2-Methylnaphthalene

Concen: 39.204 ng/ul

RT: 12.19 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BM020360.D

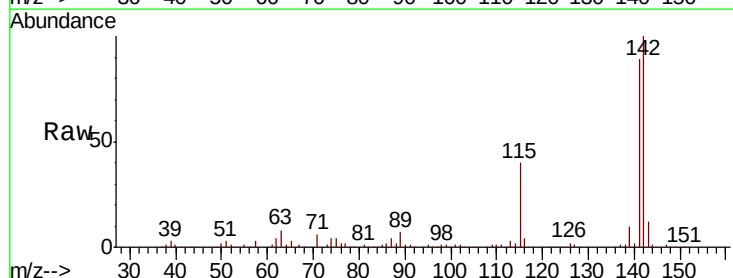
Acq: 17 May 2019 12:10

Tgt Ion:142 Resp: 338659

Ion Ratio Lower Upper

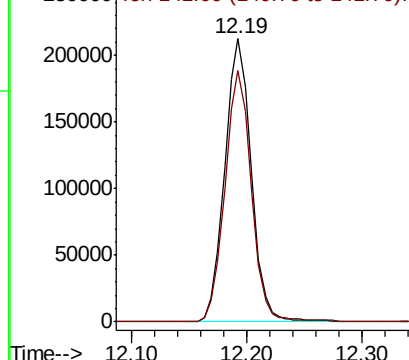
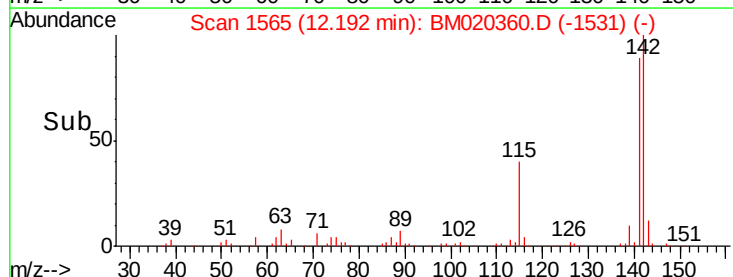
142 100

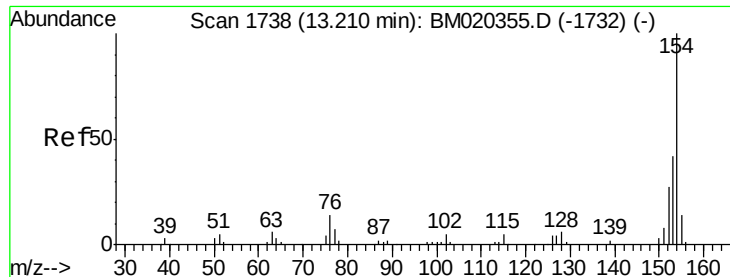
141 88.7 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

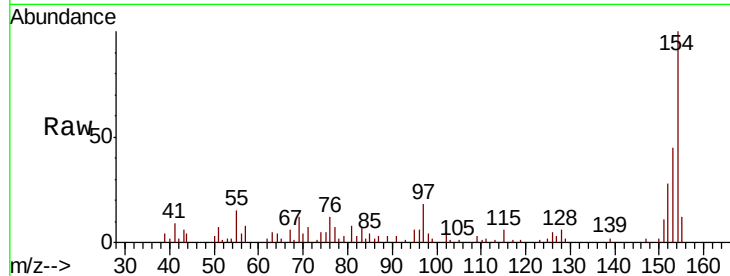




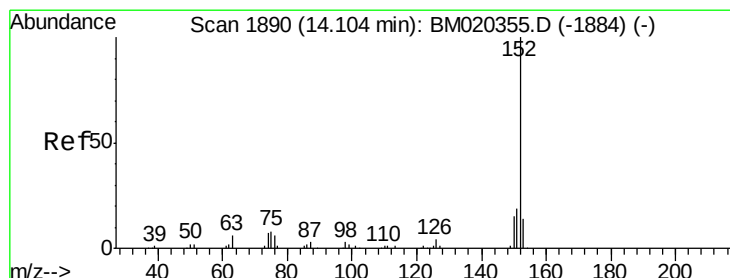
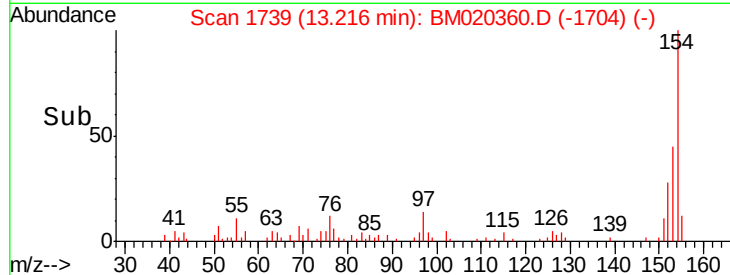
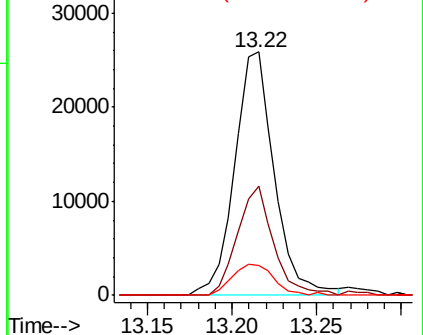
#40
 1,1'-Biphenyl
 Concen: 3.787 ng/ul
 RT: 13.22 min Scan# 1739
 Delta R.T. 0.01 min
 Lab File: BM020360.D
 Acq: 17 May 2019 12:10

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Tgt Ion:154 Resp: 42282
 Ion Ratio Lower Upper
 154 100
 153 45.0 32.2 48.4
 76 12.4 11.0 16.4

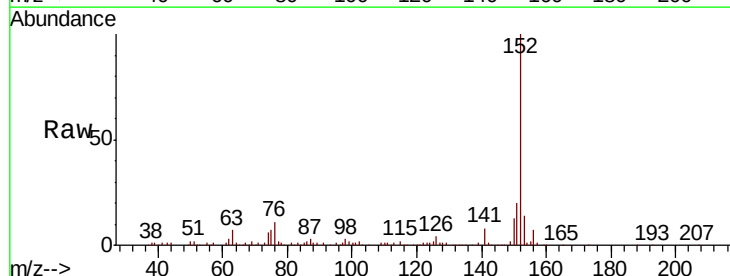


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

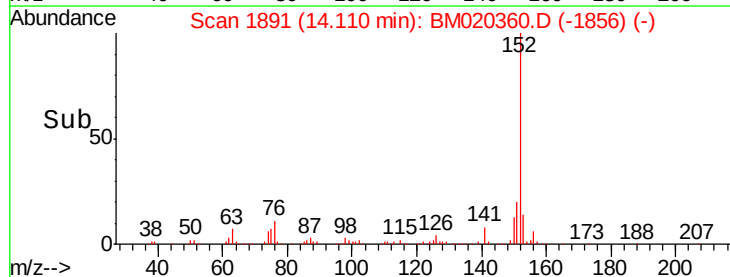
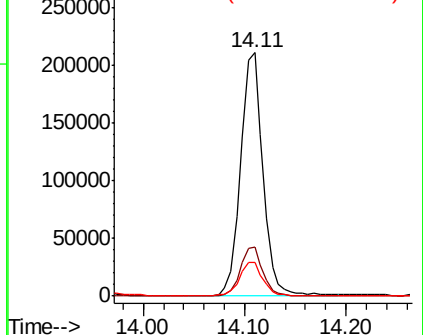


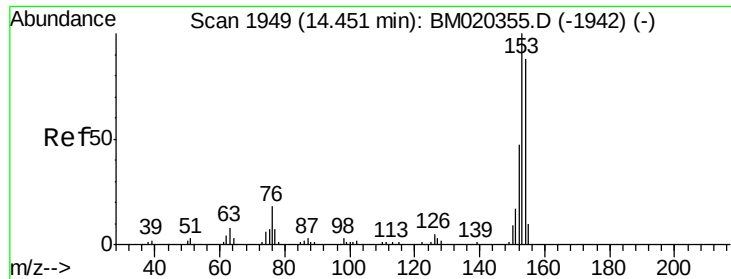
#47
 Acenaphthylene
 Concen: 24.559 ng/ul
 RT: 14.11 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: BM020360.D
 Acq: 17 May 2019 12:10

Tgt Ion:152 Resp: 325081
 Ion Ratio Lower Upper
 152 100
 151 20.2 15.4 23.0
 153 14.0 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





#49

Acenaphthene

Concen: 4.637 ng/ul

RT: 14.44 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BM020360.D

Acq: 17 May 2019 12:10

Instrument :

BNA_M

ClientSampleId :

GAJ76DL

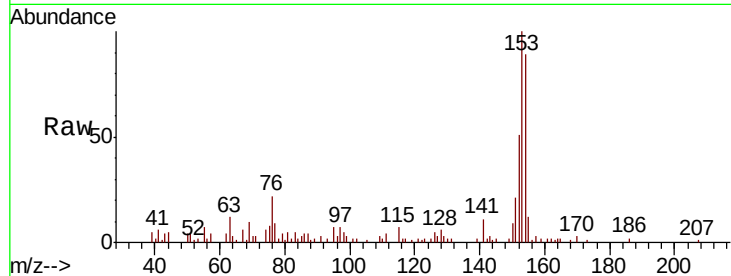
Tgt Ion:153 Resp: 42198

Ion Ratio Lower Upper

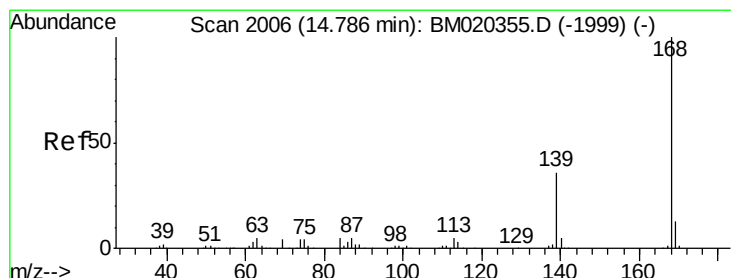
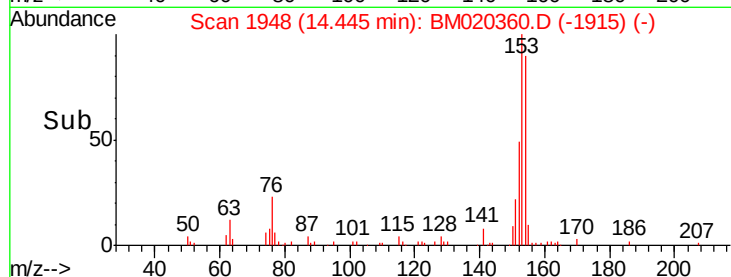
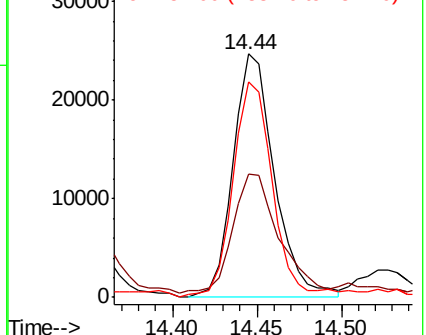
153 100

152 50.7 37.9 56.9

154 88.6 71.2 106.8



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: 7.137 ng/ul

RT: 14.79 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BM020360.D

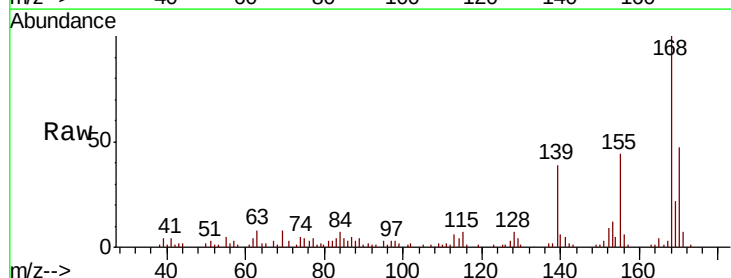
Acq: 17 May 2019 12:10

Tgt Ion:168 Resp: 98352

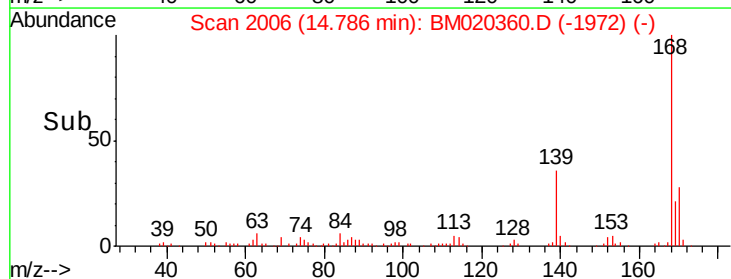
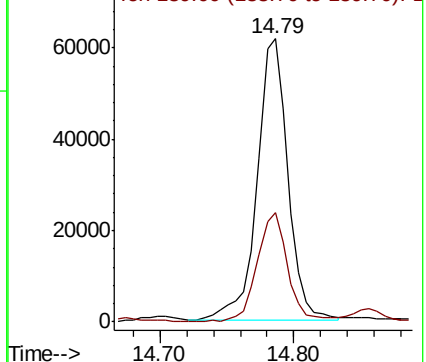
Ion Ratio Lower Upper

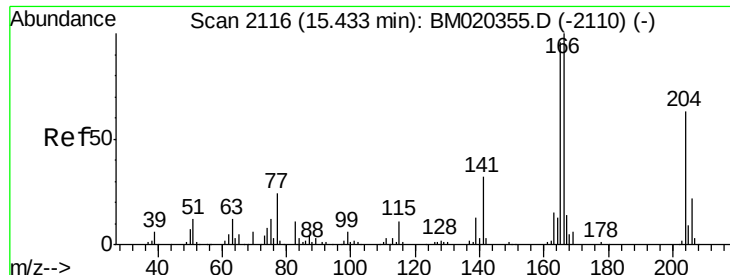
168 100

139 38.7 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 24.820 ng/ul

RT: 15.44 min Scan# 2117

Delta R.T. 0.01 min

Lab File: BM020360.D

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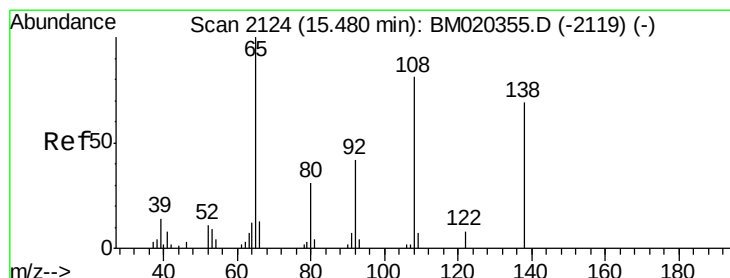
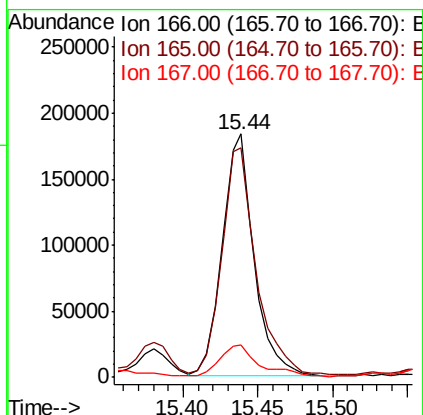
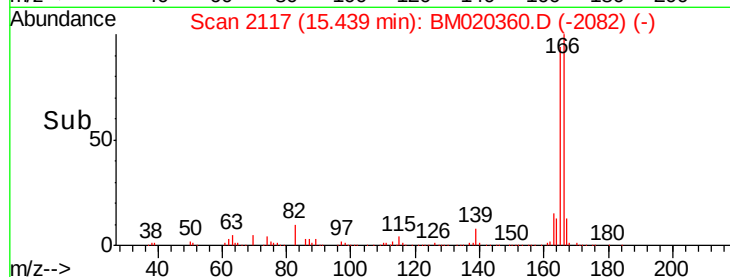
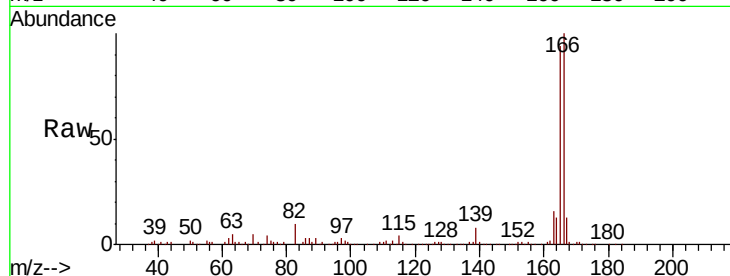
Tgt Ion:166 Resp: 273999

Ion Ratio Lower Upper

166 100

165 94.3 77.1 115.7

167 13.4 11.1 16.7



#60

4-Nitroaniline

Concen: 2.022 ng/ul

RT: 15.44 min Scan# 2117

Delta R.T. -0.04 min

Lab File: BM020360.D

Acq: 17 May 2019 12:10

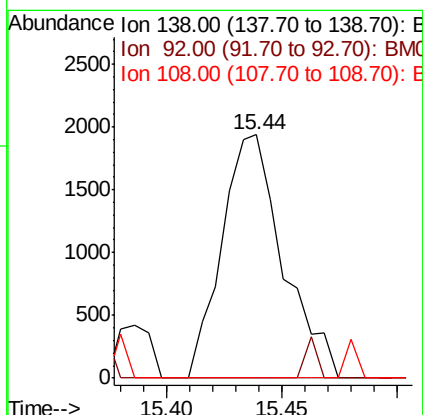
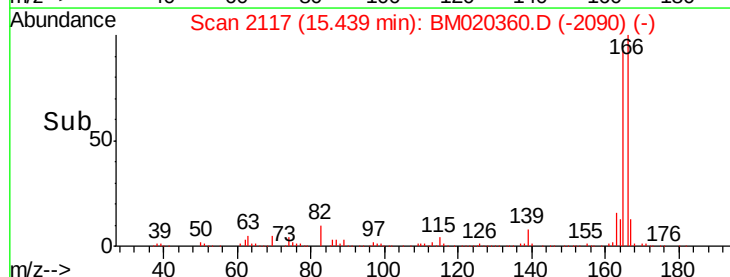
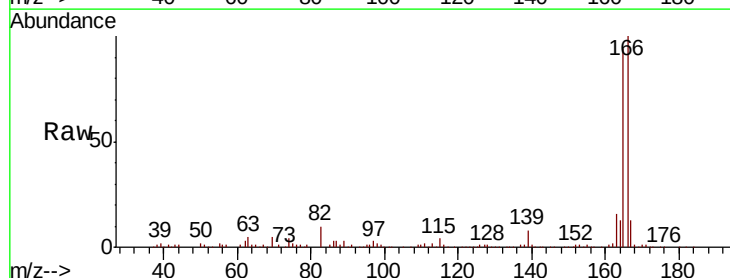
Tgt Ion:138 Resp: 3580

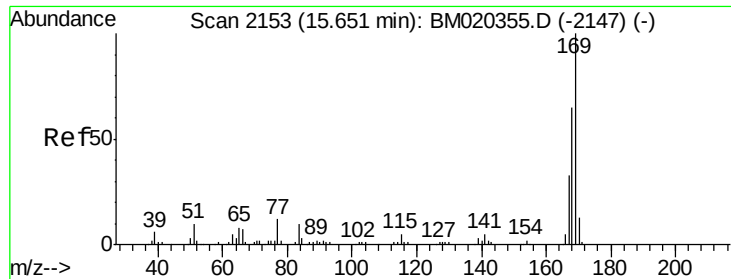
Ion Ratio Lower Upper

138 100

92 0.0 52.2 78.4#

108 0.0 86.6 130.0#





#64

N-Nitrosodiphenylamine

Concen: 1.136 ng/ul

RT: 15.64 min Scan# 2151

Delta R.T. -0.01 min

Lab File: BM020360.D

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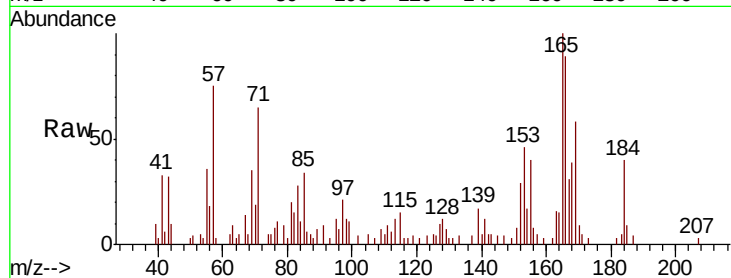
Tgt Ion:169 Resp: 9892

Ion Ratio Lower Upper

169 100

168 66.1 53.2 79.8

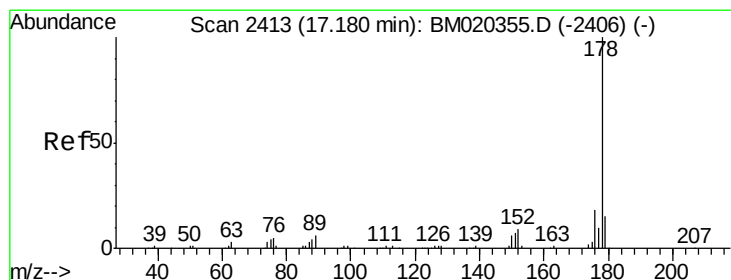
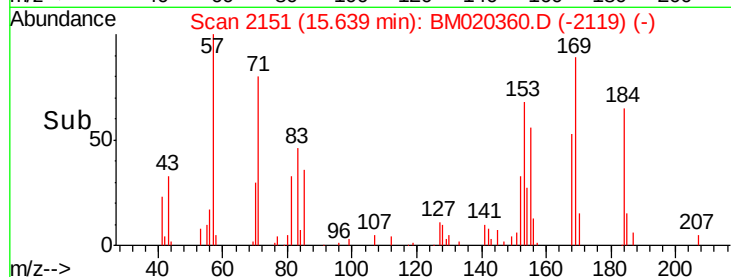
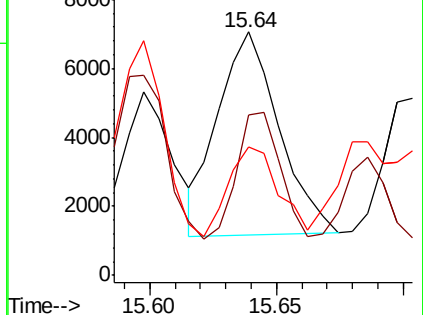
167 52.6 28.2 42.2#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 106.634 ng/ul

RT: 17.18 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BM020360.D

Acq: 17 May 2019 12:10

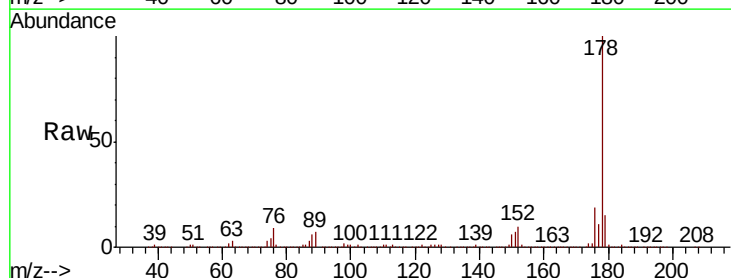
Tgt Ion:178 Resp: 1788212

Ion Ratio Lower Upper

178 100

179 15.2 11.9 17.9

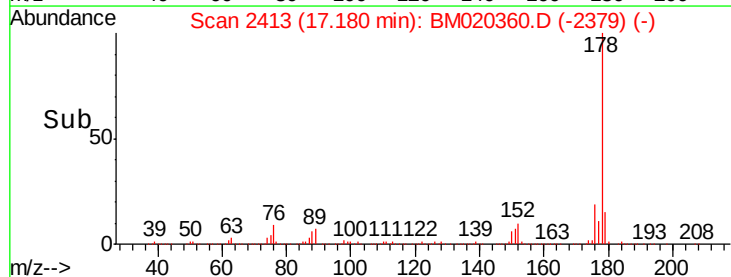
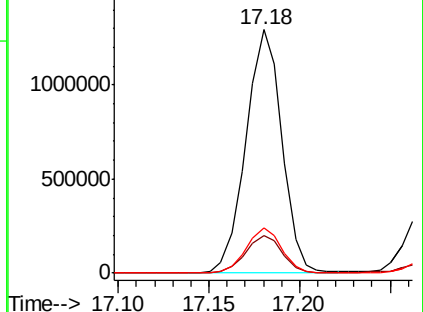
176 18.6 14.6 22.0

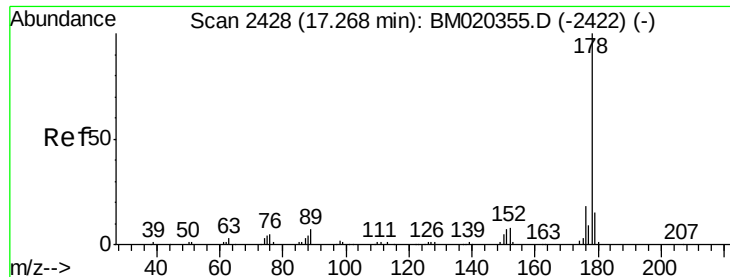


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

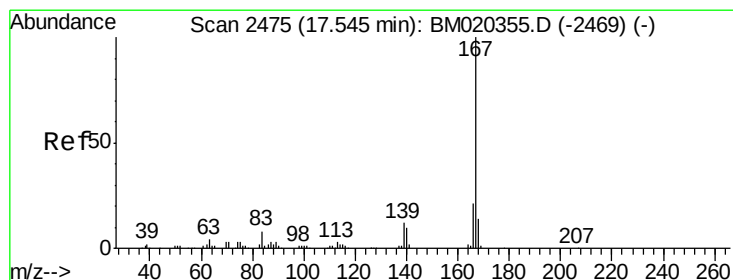
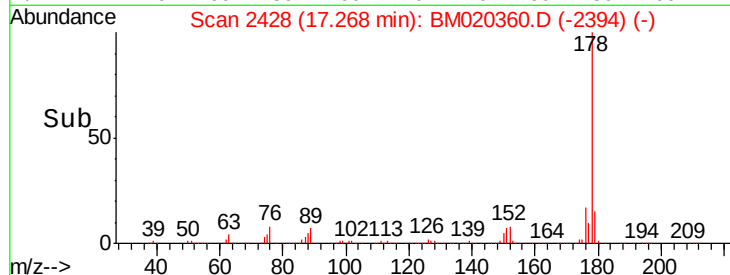
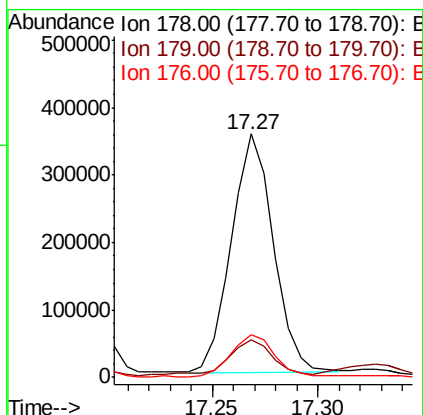
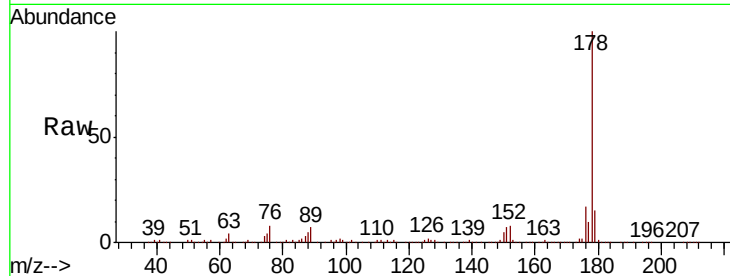




#71
 Anthracene
 Concen: 28.695 ng/ul
 RT: 17.27 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BM020360.D
 Acq: 17 May 2019 12:10

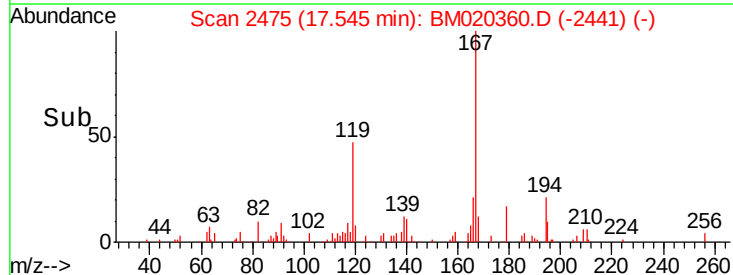
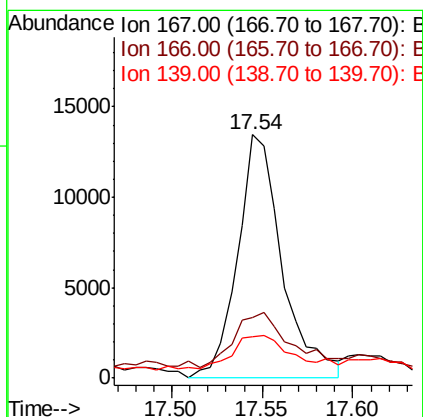
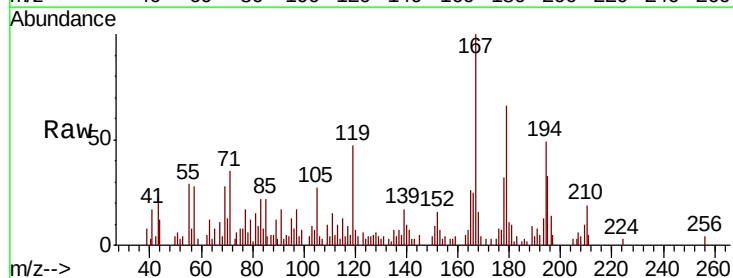
Instrument :
 BNA_M
 ClientSampled :
 GAJ76DL

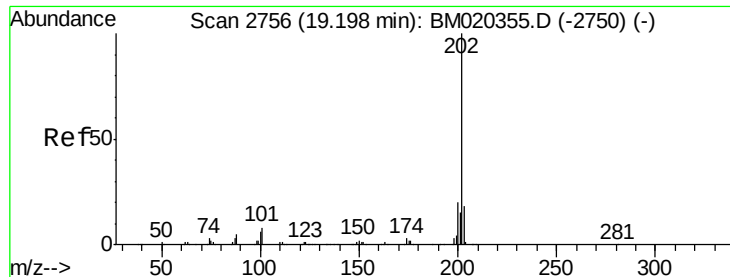
Tgt Ion:178 Resp: 489496
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.4 18.6
 176 17.4 14.4 21.6



#74
 Carbazole
 Concen: 1.591 ng/ul
 RT: 17.54 min Scan# 2475
 Delta R.T. -0.00 min
 Lab File: BM020360.D
 Acq: 17 May 2019 12:10

Tgt Ion:167 Resp: 23030
 Ion Ratio Lower Upper
 167 100
 166 24.9 16.6 24.8#
 139 17.1 9.8 14.8#

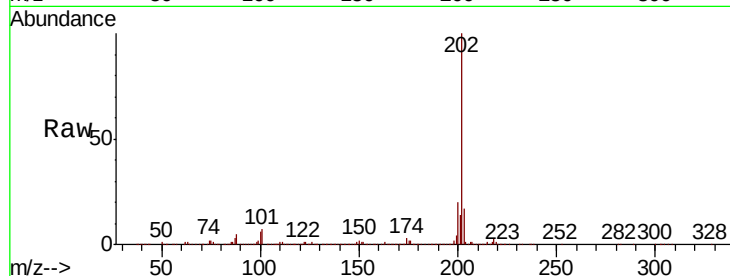




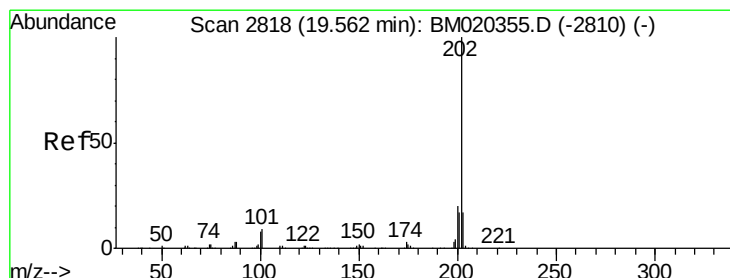
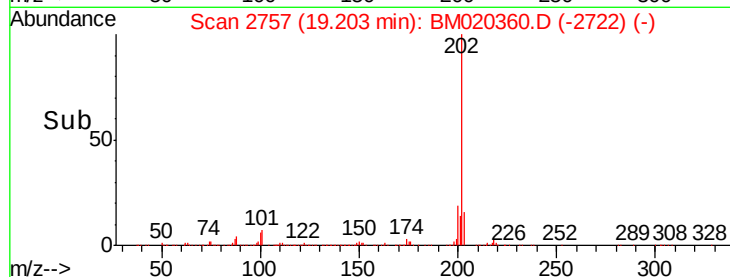
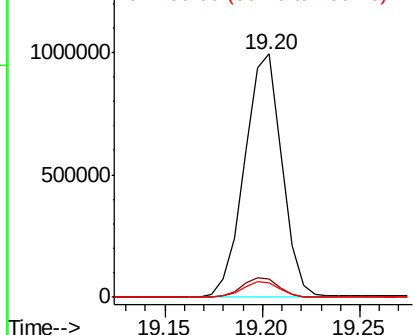
#76
Fluoranthene
Concen: 62.303 ng/ul
RT: 19.20 min Scan# 2757
Delta R.T. 0.01 min
Lab File: BM020360.D
Acq: 17 May 2019 12:10

Instrument :
BNA_M
ClientSampleId :
GAJ76DL

Tgt Ion:202 Resp: 1319788
Ion Ratio Lower Upper
202 100
101 7.5 6.4 9.6
100 5.9 5.2 7.8

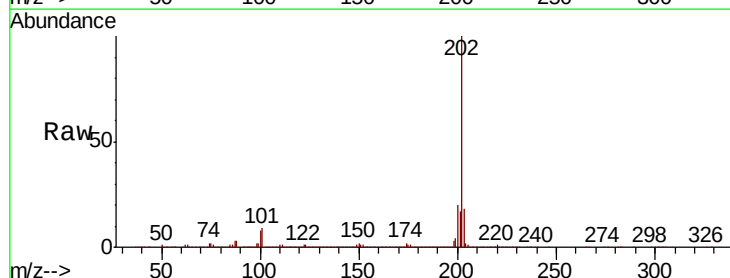


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

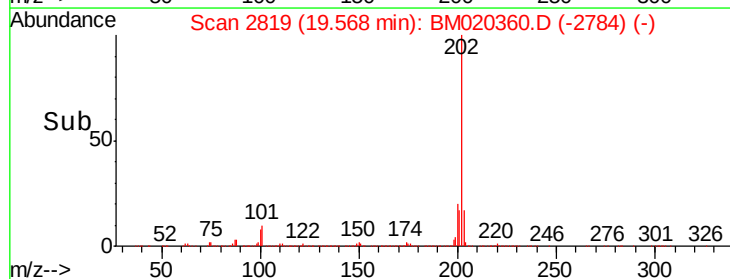
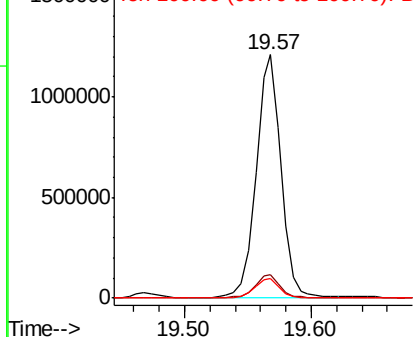


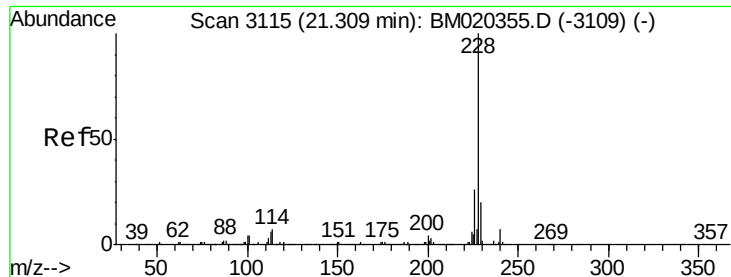
#79
Pyrene
Concen: 82.618 ng/ul
RT: 19.57 min Scan# 2819
Delta R.T. 0.01 min
Lab File: BM020360.D
Acq: 17 May 2019 12:10

Tgt Ion:202 Resp: 1644250
Ion Ratio Lower Upper
202 100
101 9.5 7.1 10.7
100 8.0 5.9 8.9



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





#82

Benzo(a)anthracene

Concen: 33.393 ng/ul

RT: 21.32 min Scan# 3116

Delta R.T. 0.01 min

Lab File: BM020360.D

Acq: 17 May 2019 12:10

Instrument :

BNA_M

ClientSampleId :

GAJ76DL

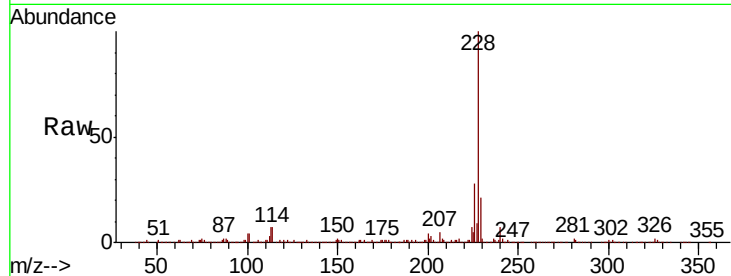
Tgt Ion:228 Resp: 666417

Ion Ratio Lower Upper

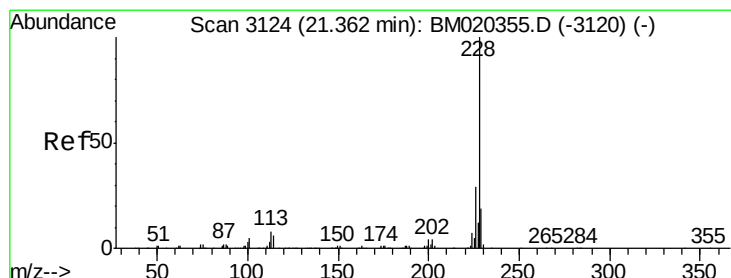
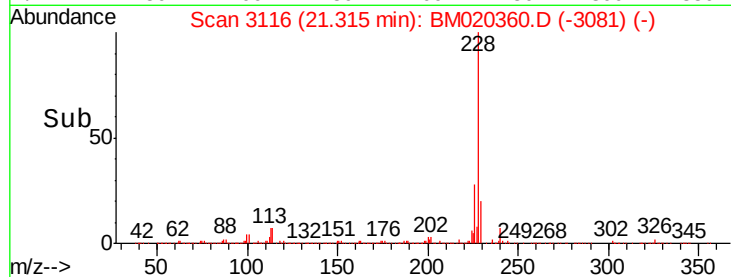
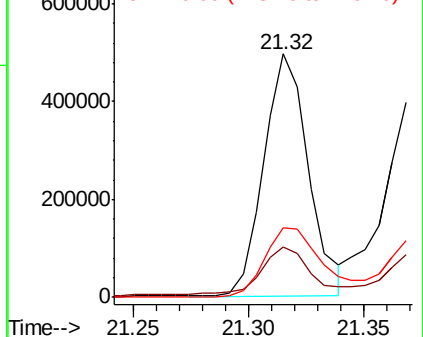
228 100

229 20.7 15.8 23.8

226 28.3 20.6 30.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#84

Chrysene

Concen: 28.535 ng/ul

RT: 21.37 min Scan# 3125

Delta R.T. 0.01 min

Lab File: BM020360.D

Acq: 17 May 2019 12:10

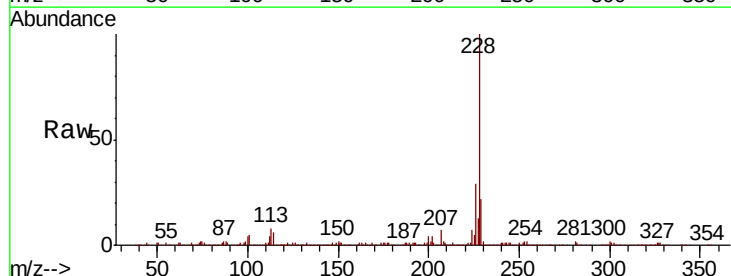
Tgt Ion:228 Resp: 544219

Ion Ratio Lower Upper

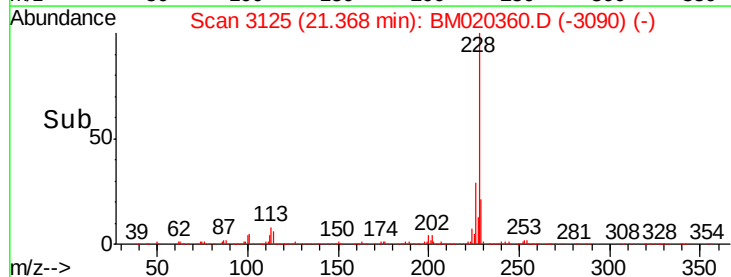
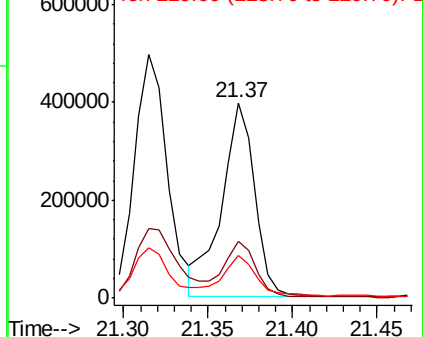
228 100

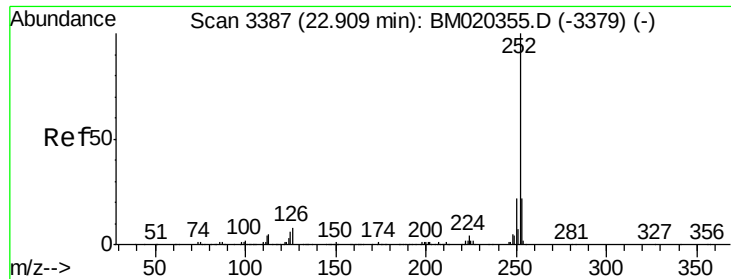
226 29.3 22.2 33.4

229 21.7 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 22.685 ng/ul

RT: 22.92 min Scan# 3389

Delta R.T. 0.01 min

Lab File: BM020360.D

Acq: 17 May 2019 12:10

Instrument :

BNA_M

ClientSampled :

GAJ76DL

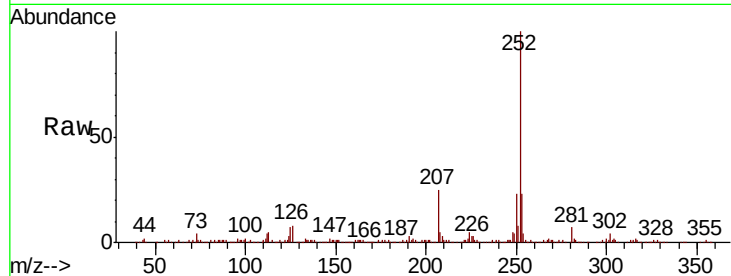
Tgt Ion:252 Resp: 489751

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

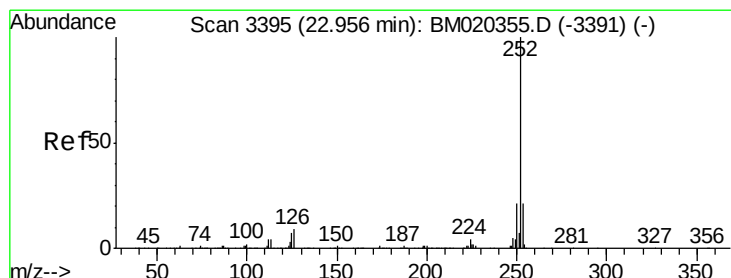
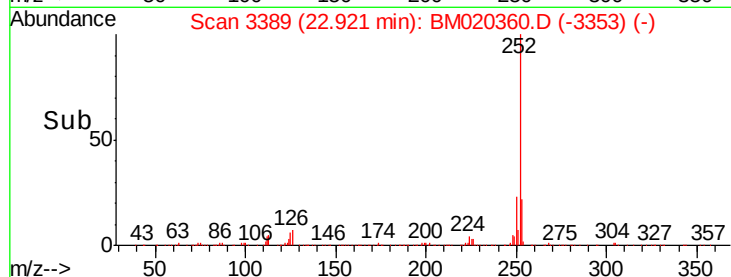
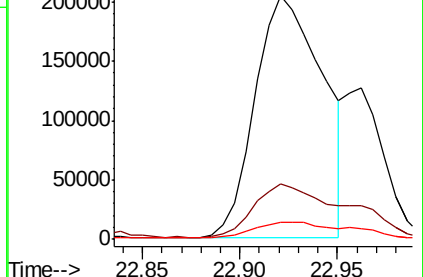
125 6.9 5.0 7.4



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: 23.096 ng/ul

RT: 22.92 min Scan# 3389

Delta R.T. -0.04 min

Lab File: BM020360.D

Acq: 17 May 2019 12:10

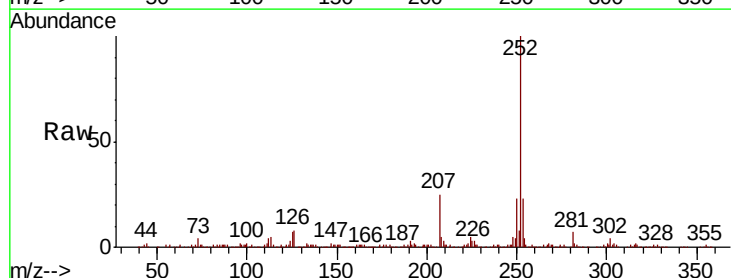
Tgt Ion:252 Resp: 489751

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

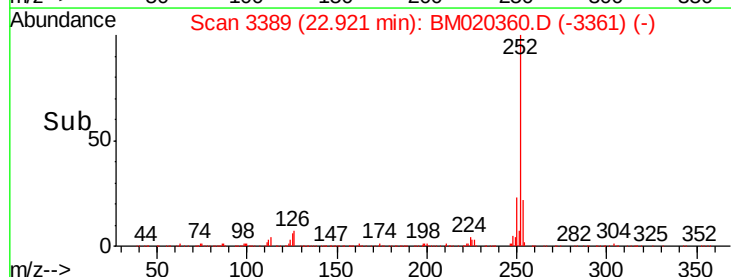
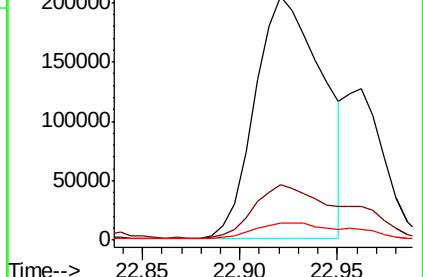
125 6.9 5.0 7.6

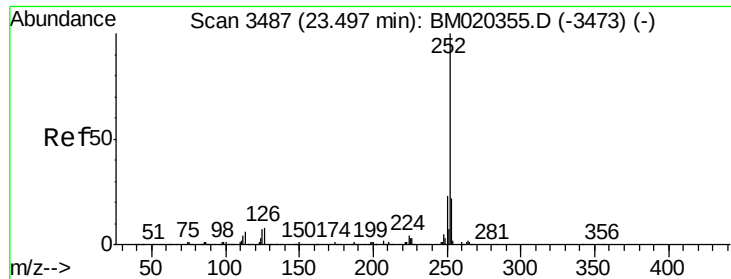


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 24.571 ng/ul

RT: 23.51 min Scan# 3489

Delta R.T. 0.01 min

Lab File: BM020360.D

Acq: 17 May 2019 12:10

Instrument :

BNA_M

ClientSampleId :

GAJ76DL

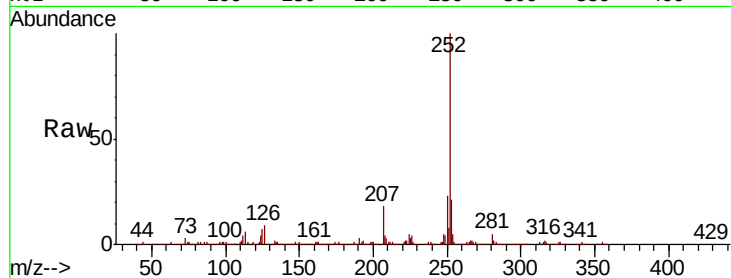
Tgt Ion:252 Resp: 499198

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

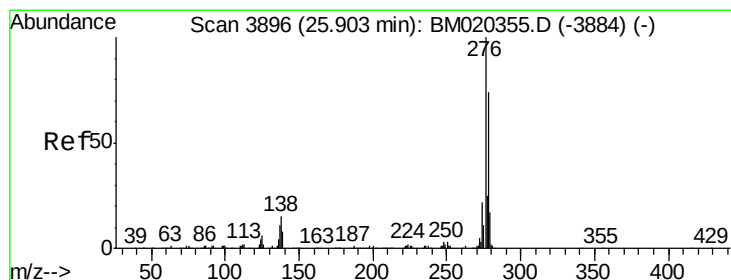
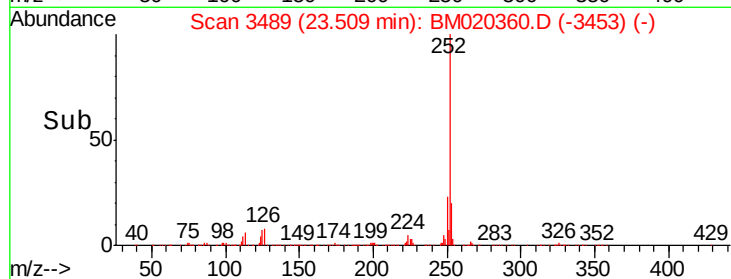
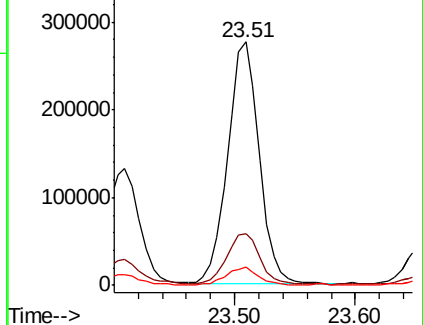
125 7.3 5.4 8.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 9.274 ng/ul

RT: 25.90 min Scan# 3896

Delta R.T. -0.00 min

Lab File: BM020360.D

Acq: 17 May 2019 12:10

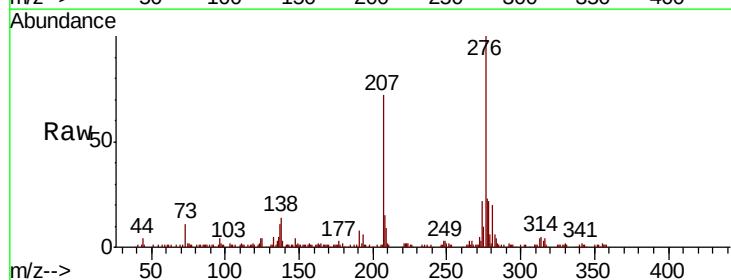
Tgt Ion:276 Resp: 214707

Ion Ratio Lower Upper

276 100

138 14.3 12.3 18.5

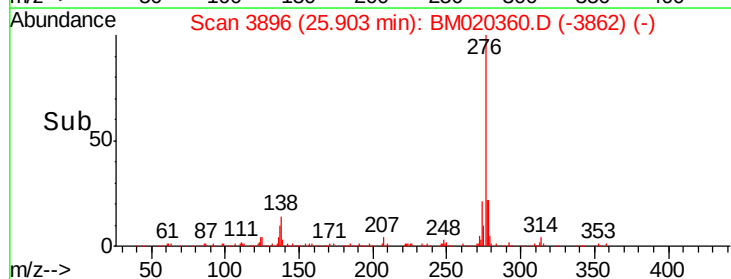
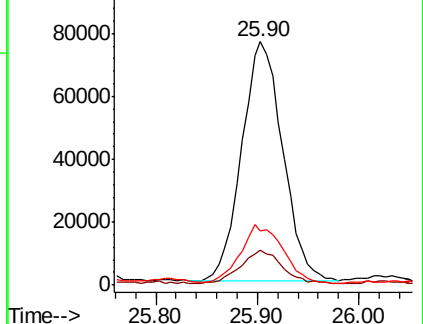
277 22.5 20.0 30.0

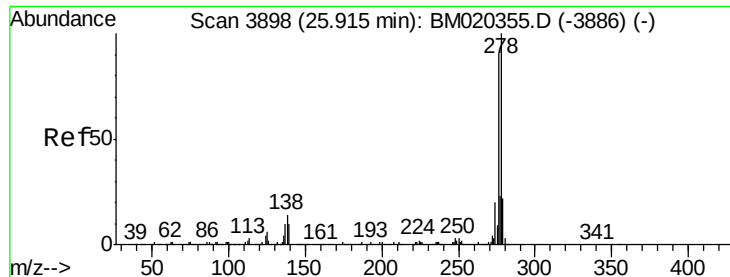


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 3.054 ng/ul

RT: 25.91 min Scan# 3897

Delta R.T. -0.01 min

Lab File: BM020360.D

Acq: 17 May 2019 12:10

Instrument :

BNA_M

ClientSampled :

GAJ76DL

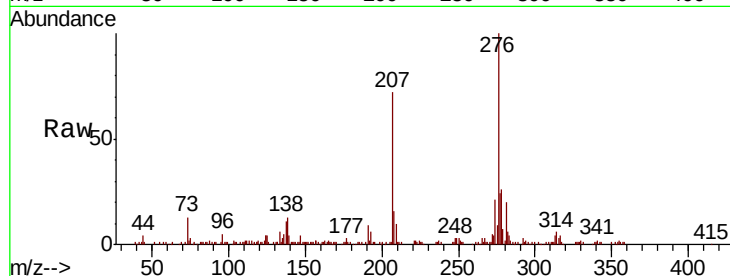
Tgt Ion:278 Resp: 60454

Ion Ratio Lower Upper

278 100

139 15.0 8.1 12.1#

279 28.2 18.7 28.1#

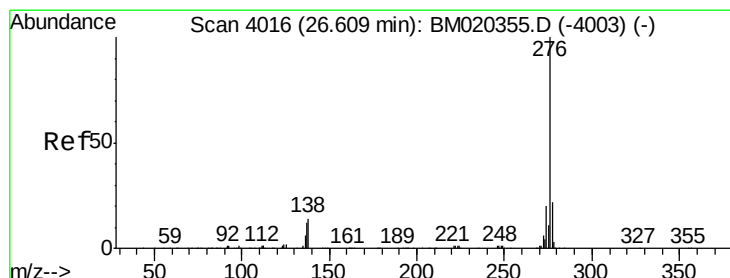
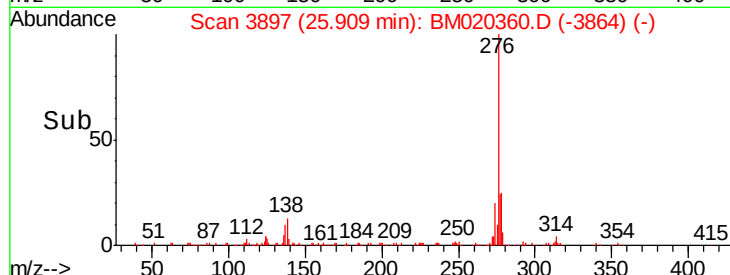
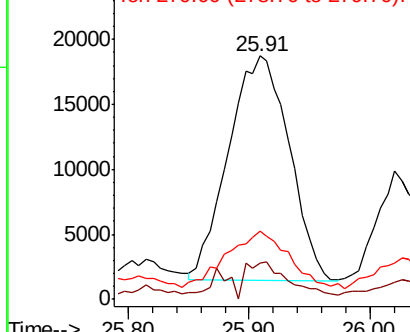


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 10.408 ng/ul

RT: 26.61 min Scan# 4017

Delta R.T. 0.01 min

Lab File: BM020360.D

Acq: 17 May 2019 12:10

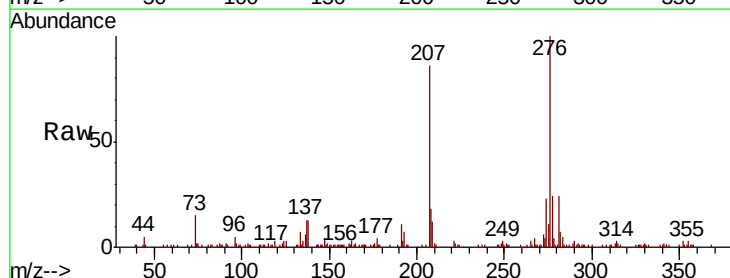
Tgt Ion:276 Resp: 199451

Ion Ratio Lower Upper

276 100

138 13.2 10.0 15.0

277 24.0 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

