

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030218\
 Data File : BM014463.D
 Acq On : 02 Mar 2018 15:55
 Operator : SJ/JU
 Sample : J1678-21
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 02 22:36:01 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 02 22:33:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	83118	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	365433	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.18	164	224776	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	504730	20.00	ng/ul	0.02
75) Chrysene-d12	21.19	240	580499	20.00	ng/ul	0.03
83) Perylene-d12	23.26	264	740507	20.00	ng/ul	-0.08

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	7674	3.95	ng/uL	0.00
5) Phenol-d5	6.74	99	216672	30.84	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.87	67	124680	29.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	181500	33.69	ng/ul	0.01
13) 4-Methylphenol-d8	8.26	113	181175	29.47	ng/ul	0.01
19) Nitrobenzene-d5	8.68	128	94089	34.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	100618	36.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	200907	34.70	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	180996	31.73	ng/ul	0.01
43) Dimethylphthalate-d6	13.60	166	686895	37.01	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	852621	37.25	ng/ul	0.01
51) 4-Nitrophenol-d4	14.50	143	69805	27.24	ng/ul	0.04
57) Fluorene-d10	15.19	176	591079	35.54	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	3921	1.29	ng/ul	0.04
70) Anthracene-d10	17.06	188	958416	39.36	ng/ul	0.02
76) Pyrene-d10	19.38	212	1074483	35.89	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.26	264	720968	20.00	ng/ul	0.06

Target Compounds

					Ovalue	
6) Phenol	6.76	94	18969	2.573	ng/ul	94
14) Acetophenone	8.36	105	14391	1.357	ng/ul#	85
16) 4-Methylphenol	8.33	108	10517	1.712	ng/ul#	79
28) Naphthalene	10.34	128	267936	14.276	ng/ul	99
34) 2-Methylnaphthalene	11.97	142	124633	8.724	ng/ul	87
40) 1,1'-Biphenyl	13.00	154	61544	3.554	ng/ul#	93
44) Dimethylphthalate	13.65	163	107604	5.879	ng/ul	99
47) Acenaphthylene	13.90	152	819551	37.882	ng/ul	99
49) Acenaphthene	14.25	153	490034	32.167	ng/ul	97
53) Dibenzofuran	14.59	168	813002	35.592	ng/ul	91
58) Fluorene	15.24	166	1199344	60.819	ng/ul	97
69) Phenanthrene	17.10	178	5648001	194.220	ng/ul	99
71) Anthracene	17.10	178	5648001	193.122	ng/ul	99
72) Carbazole	17.37	167	2006879	81.608	ng/ul	98
74) Fluoranthene	19.19	202	282531	8.132	ng/ul#	94
77) Pyrene	19.32	202	90033	2.334	ng/ul#	83
79) 3,3'-Dichlorobenzidine	21.11	252	14541	1.425	ng/ul#	88
80) Benzo(a)anthracene	21.17	228	13555892	374.173	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.08	149	26880	1.177	ng/ul#	91
82) Chrysene	21.17	228	13555892	401.098	ng/ul	97
85) Benzo(b)fluoranthene	22.75	252	12839403	258.947	ng/ul#	98
86) Benzo(k)fluoranthene	22.75	252	12872766	273.066	ng/ul#	96
88) Benzo(a)pyrene	23.21	252	5061787	114.242	ng/ul#	97

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Response via : Initial Calibration

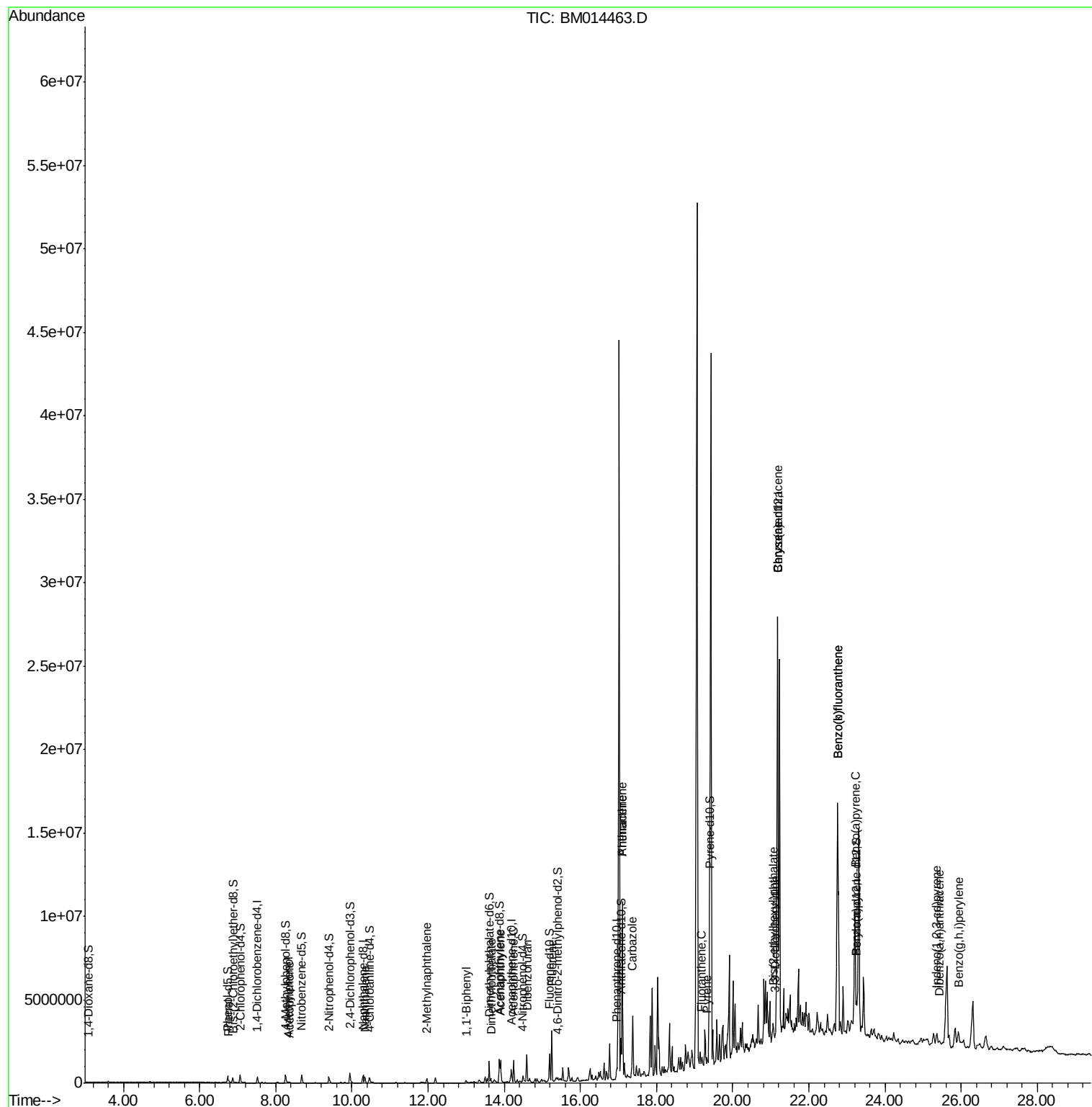
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	25.36	276	552295	12.846	ng/ul	98
90) Dibenzo(a,h)anthracene	25.44	278	200349	5.608	ng/ul#	74
91) Benzo(g,h,i)perylene	25.93	276	145128	4.167	ng/ul#	37

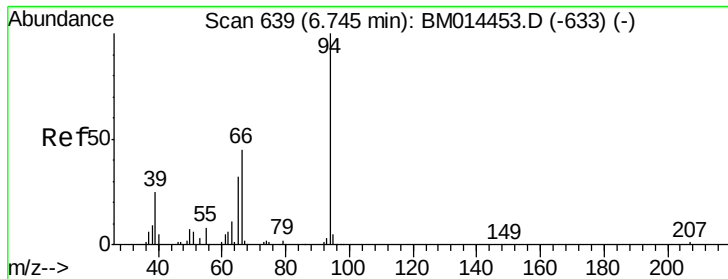
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.573 ng/ul

RT: 6.76 min Scan# 642

Delta R.T. 0.02 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

Instrument :

BNA_M

ClientSampleId :

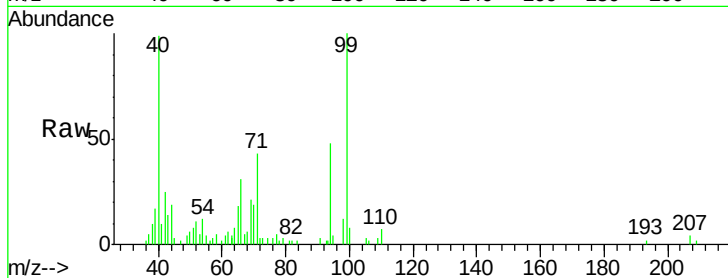
Tot Ion: 94 Resp: 18969

Ion Ratio Lower Upper

94 100

65 38.5 28.2 42.4

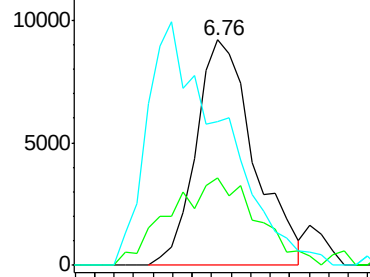
66 63.8 47.2 70.8



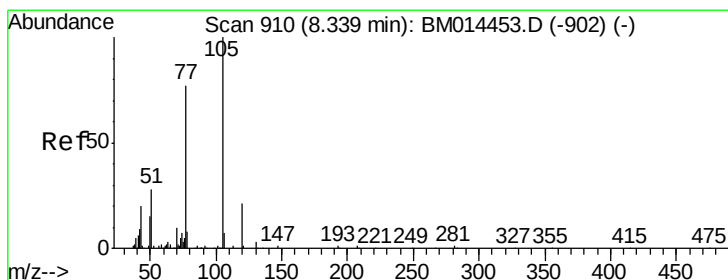
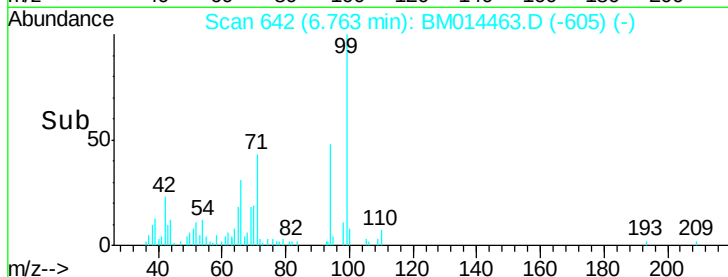
Abundance Ion 94.00 (93.70 to 94.70): BM014453.D (-633) (-)

Ion 65.00 (64.70 to 65.70): BM014453.D (-633) (-)

Ion 66.00 (65.70 to 66.70): BM014453.D (-633) (-)



Time-->



#14

Acetophenone

Concen: 1.357 ng/ul

RT: 8.36 min Scan# 913

Delta R.T. 0.02 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

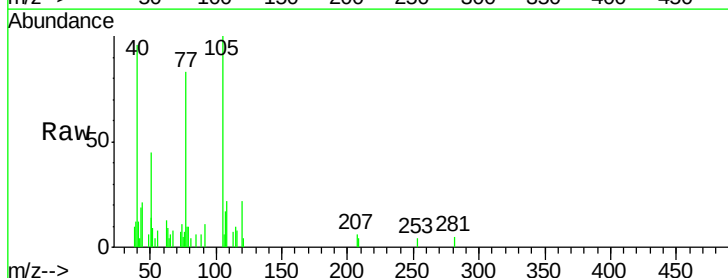
Tgt Ion: 105 Resp: 14391

Ion Ratio Lower Upper

105 100

77 83.2 74.2 111.4

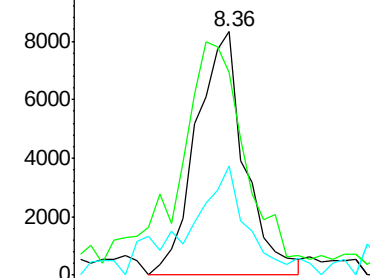
51 44.9 23.4 35.2#



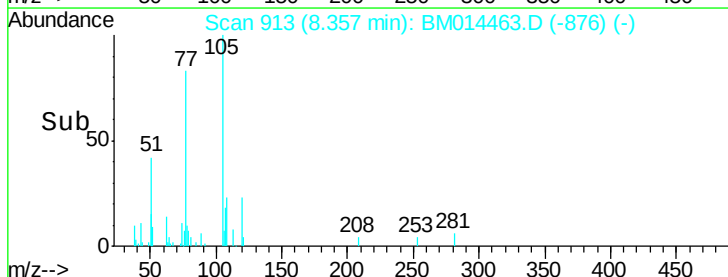
Abundance Ion 105.00 (104.70 to 105.70): BM014453.D (-902) (-)

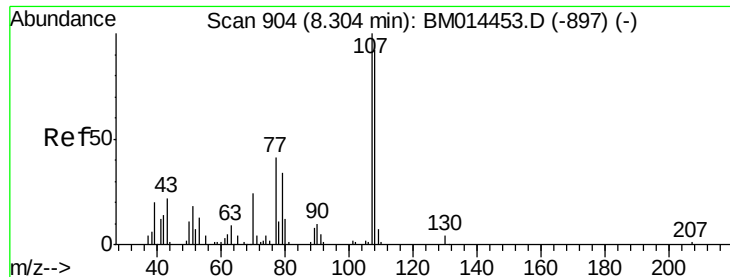
Ion 77.00 (76.70 to 77.70): BM014453.D (-902) (-)

Ion 51.00 (50.70 to 51.70): BM014453.D (-902) (-)



Time-->

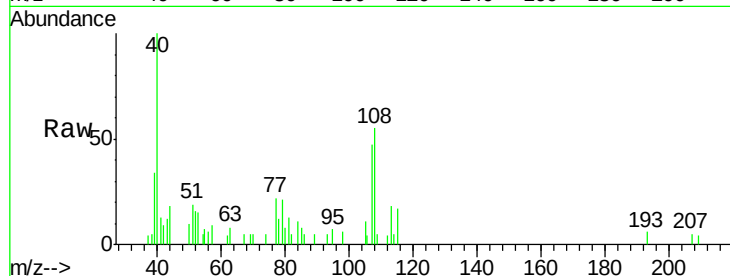




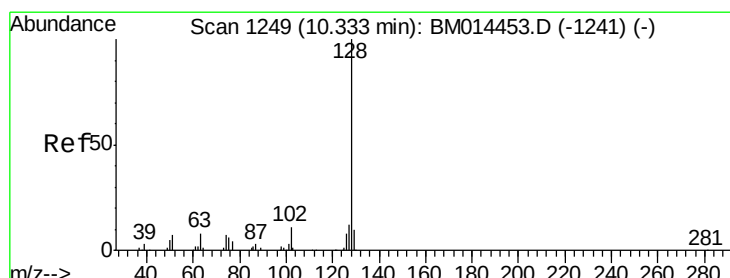
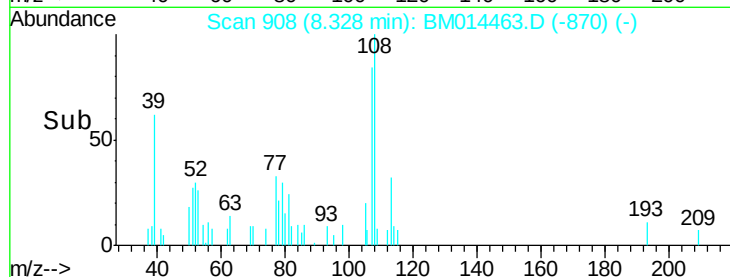
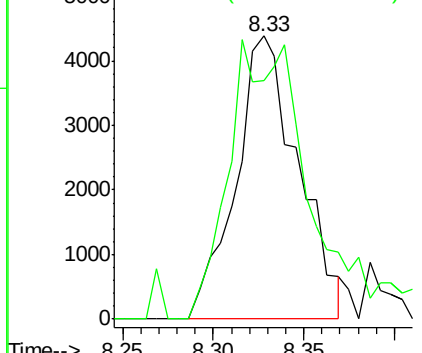
#16
4-Methylphenol
Concen: 1.712 ng/ul
RT: 8.33 min Scan# 908
Delta R.T. 0.02 min
Lab File: BM014463.D
Acq: 02 Mar 2018 15:55

Instrument :
BNA_M
ClientSampleId :

Tot Ion:108 Resp: 10517
Ion Ratio Lower Upper
108 100
107 84.3 84.9 127.3#

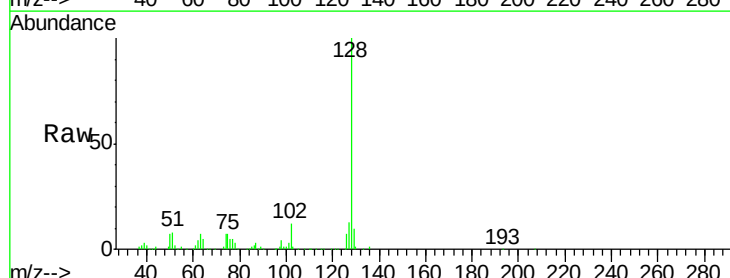


Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

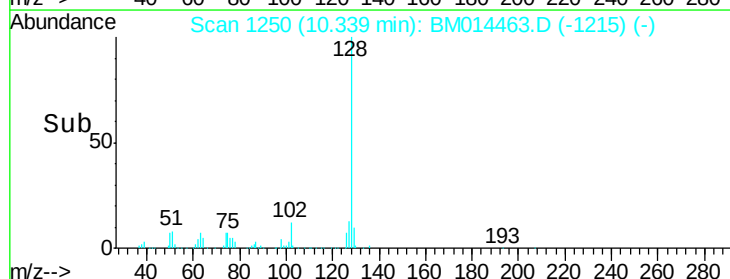
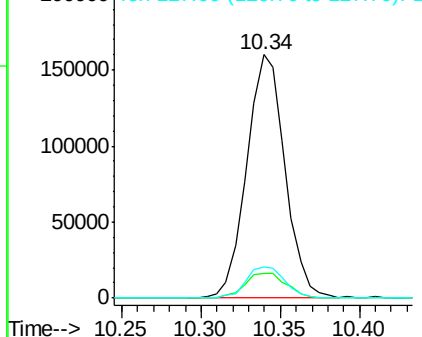


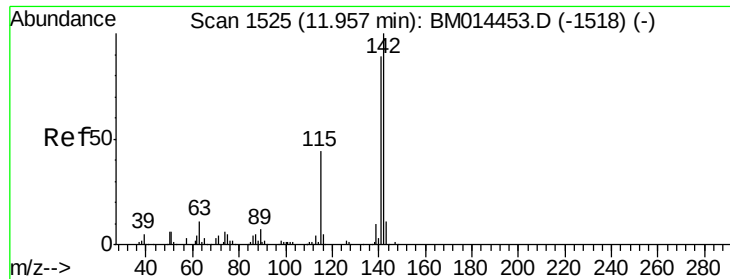
#28
Naphthalene
Concen: 14.276 ng/ul
RT: 10.34 min Scan# 1250
Delta R.T. 0.01 min
Lab File: BM014463.D
Acq: 02 Mar 2018 15:55

Tgt Ion:128 Resp: 267936
Ion Ratio Lower Upper
128 100
129 10.3 8.8 13.2
127 13.0 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

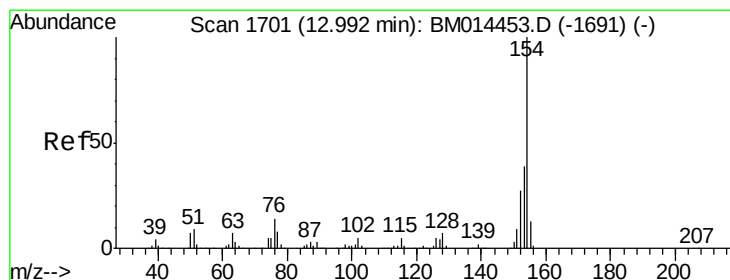
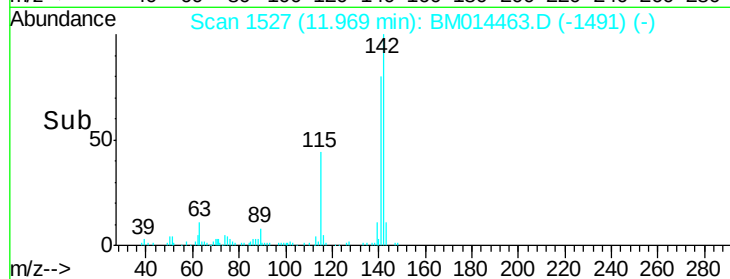
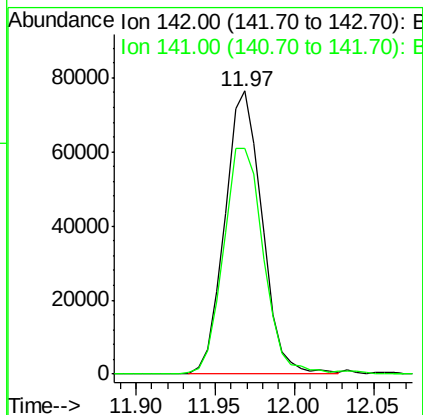
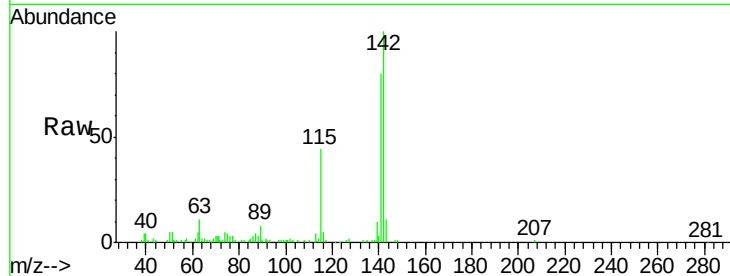




#34
 2-Methylnaphthalene
 Concen: 8.724 ng/ul
 RT: 11.97 min Scan# 1527
 Delta R.T. 0.01 min
 Lab File: BM014463.D
 Acq: 02 Mar 2018 15:55

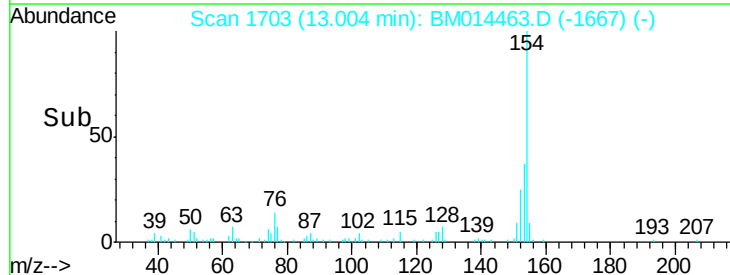
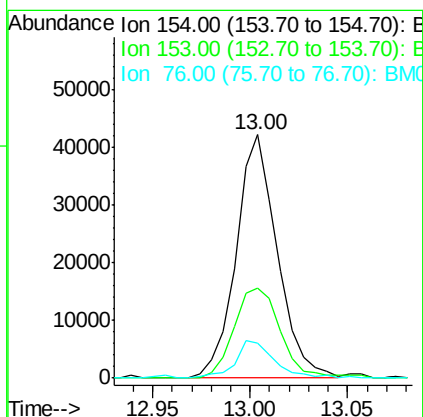
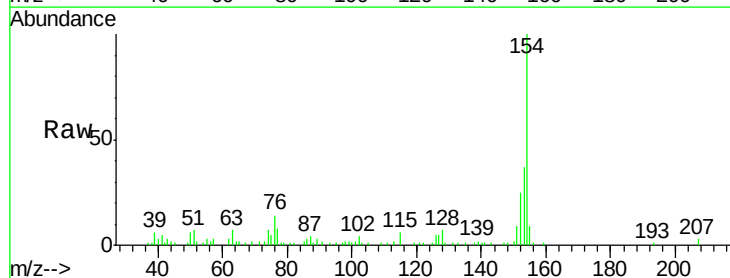
Instrument :
 BNA_M
 ClientSampleId :

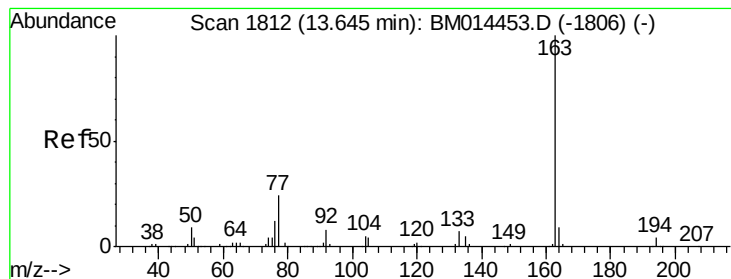
Tot Ion:142 Resp: 124633
 Ion Ratio Lower Upper
 142 100
 141 79.9 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 3.554 ng/ul
 RT: 13.00 min Scan# 1703
 Delta R.T. 0.01 min
 Lab File: BM014463.D
 Acq: 02 Mar 2018 15:55

Tgt Ion:154 Resp: 61544
 Ion Ratio Lower Upper
 154 100
 153 36.8 32.6 48.8
 76 14.3 8.5 12.7#





#44

Dimethylphthalate

Concen: 5.879 ng/ul

RT: 13.65 min Scan# 1813

Delta R.T. 0.01 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

Instrument :

BNA_M

ClientSampled :

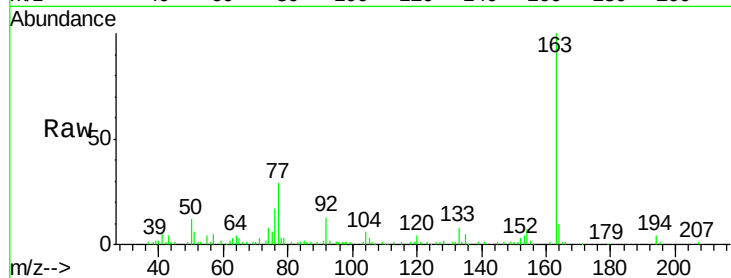
Tot Ion:163 Resp: 107604

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

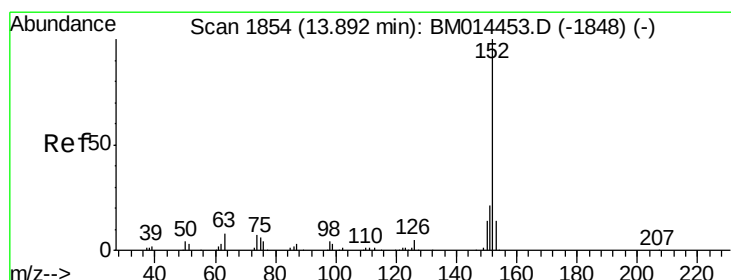
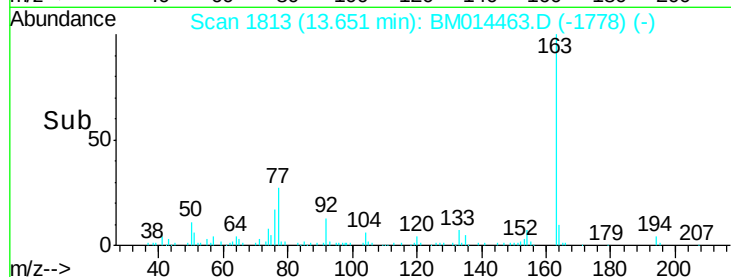
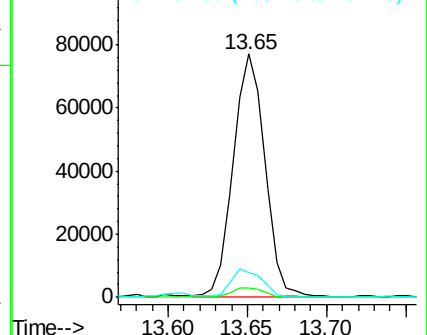
164 10.0 8.2 12.4



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



#47

Acenaphthylene

Concen: 37.882 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

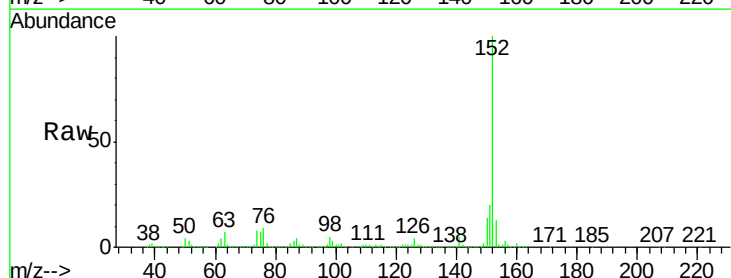
Tgt Ion:152 Resp: 819551

Ion Ratio Lower Upper

152 100

151 20.4 16.3 24.5

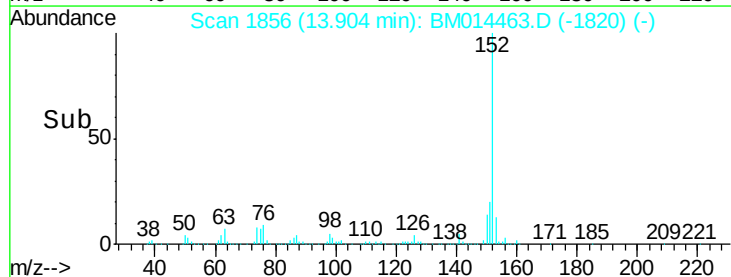
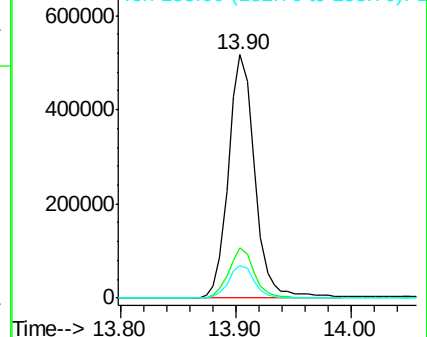
153 13.4 10.2 15.4

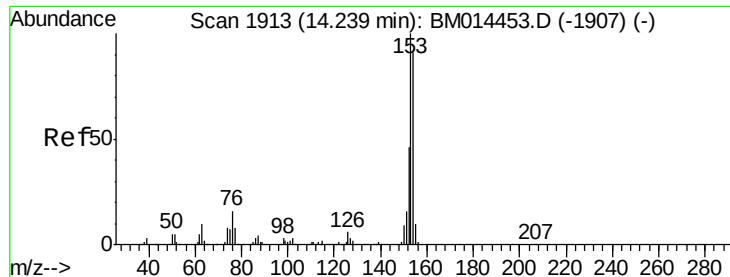


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 32.167 ng/ul

RT: 14.25 min Scan# 1915

Delta R.T. 0.01 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

Instrument :

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ClientSampleId :

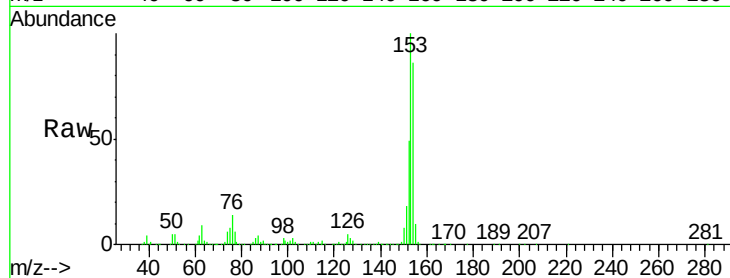
Tot Ion:153 Resp: 490034

Ion Ratio Lower Upper

153 100

152 49.5 37.6 56.4

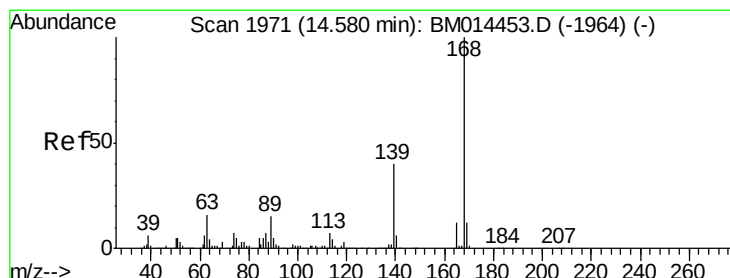
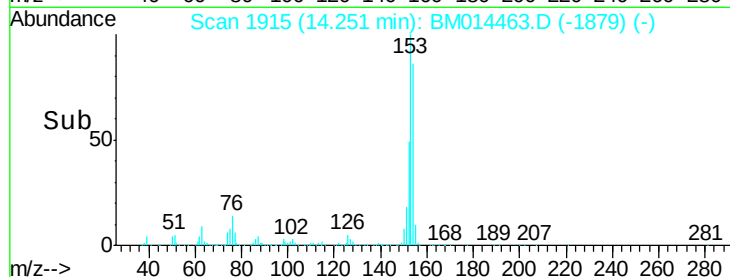
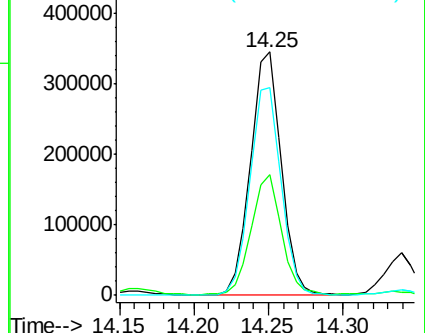
154 85.5 70.4 105.6



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



#53

Dibenzofuran

Concen: 35.592 ng/ul

RT: 14.59 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM014463.D

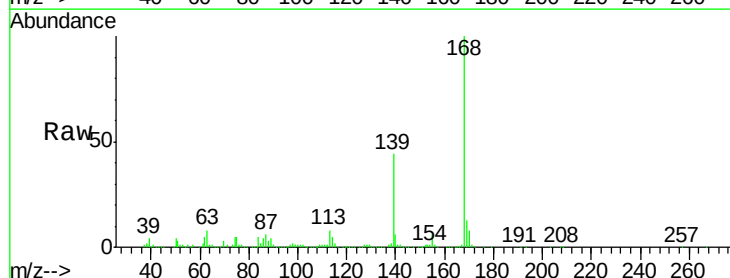
Acq: 02 Mar 2018 15:55

Tgt Ion:168 Resp: 813002

Ion Ratio Lower Upper

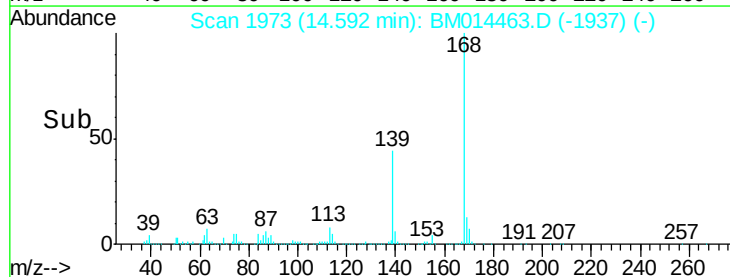
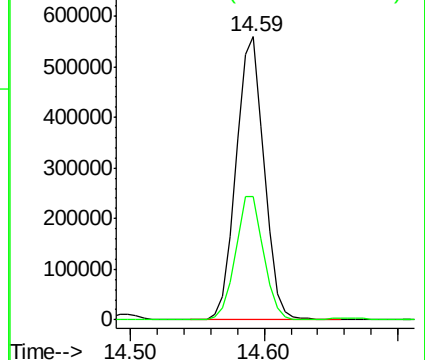
168 100

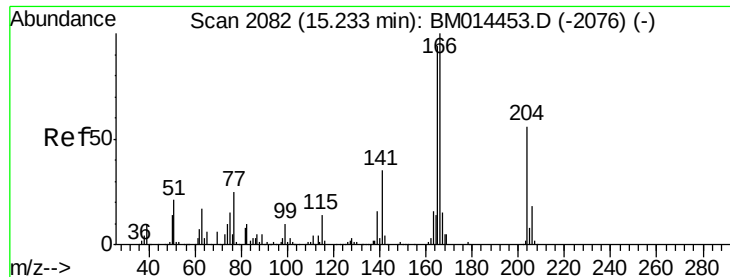
139 43.7 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

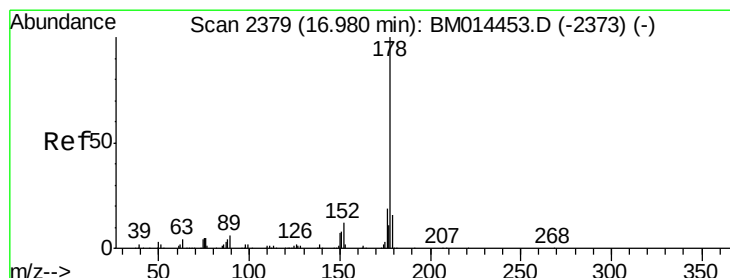
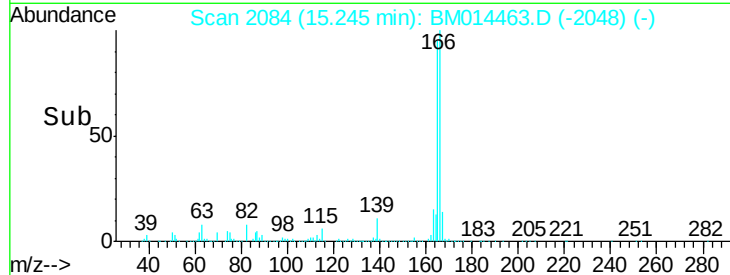
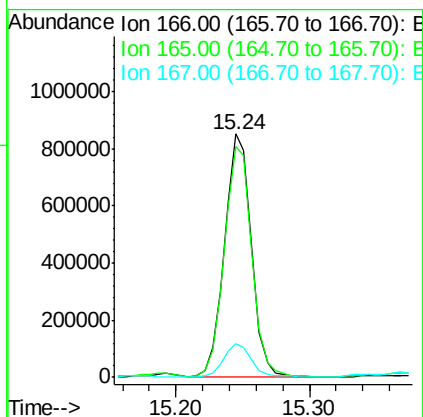
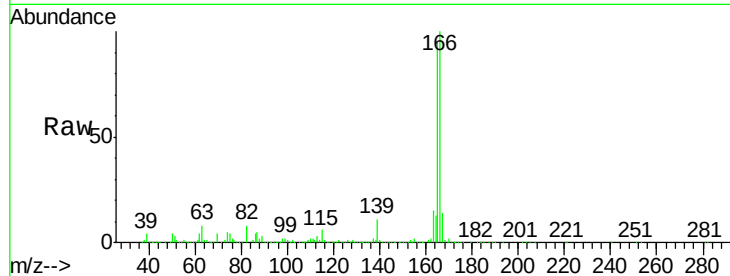




#58
 Fluorene
 Concen: 60.819 ng/ul
 RT: 15.24 min Scan# 2084
 Delta R.T. 0.01 min
 Lab File: BM014463.D
 Acq: 02 Mar 2018 15:55

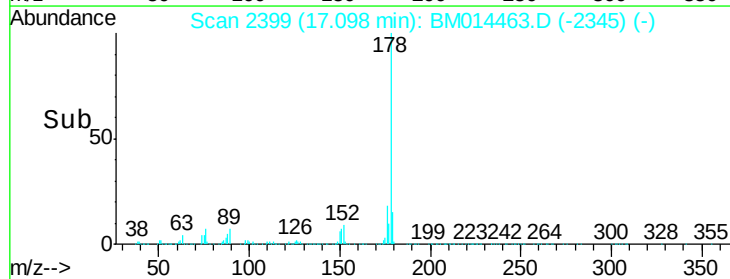
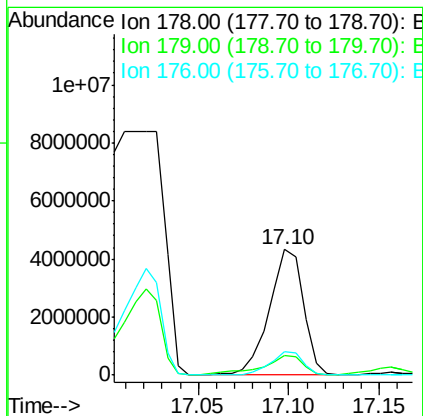
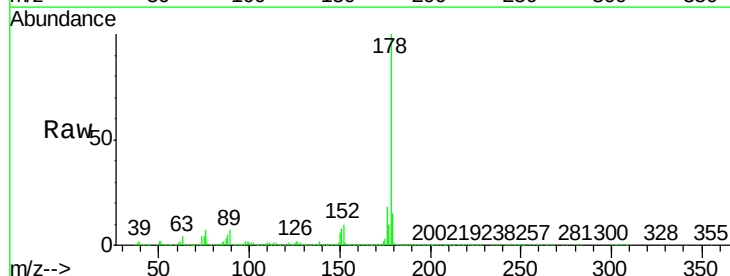
Instrument :
 BNA_M
 ClientSampled :

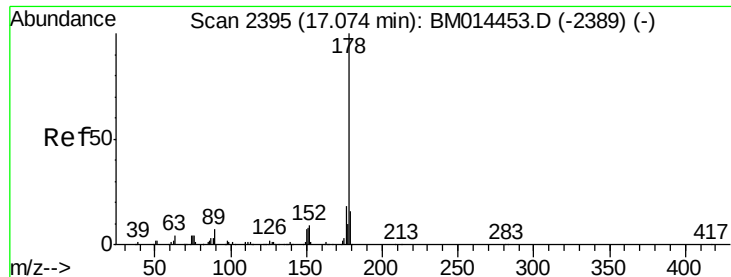
Tot Ion:166 Resp: 1199344
 Ion Ratio Lower Upper
 166 100
 165 94.8 77.9 116.9
 167 14.0 10.6 16.0



#69
 Phenanthrene
 Concen: 194.220 ng/ul
 RT: 17.10 min Scan# 2399
 Delta R.T. 0.12 min
 Lab File: BM014463.D
 Acq: 02 Mar 2018 15:55

Tgt Ion:178 Resp: 5648001
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.6 19.0
 176 18.3 14.9 22.3





#71

Anthracene

Concen: 193.122 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. 0.02 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

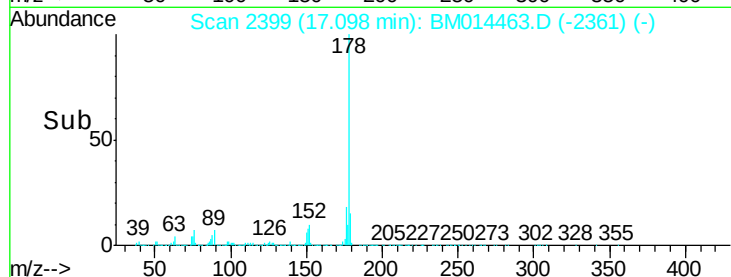
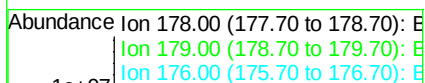
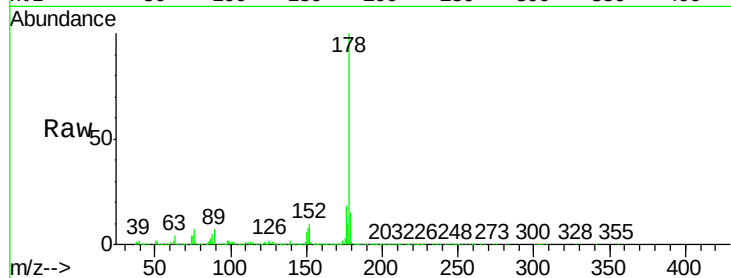
Instrument :

BNA_M

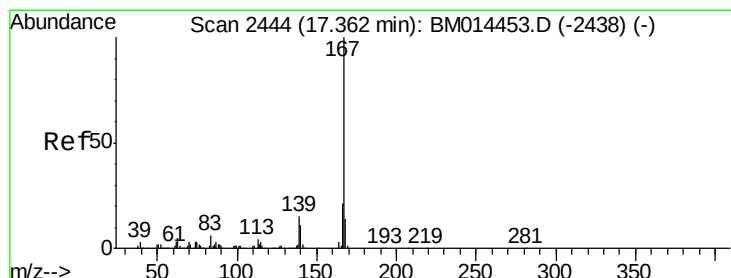
ClientSampleId :

Tot Ion:178 Resp: 5648001

Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.7	17.5
176	18.3	14.6	21.8



Time-->



#72

Carbazole

Concen: 81.608 ng/ul

RT: 17.37 min Scan# 2446

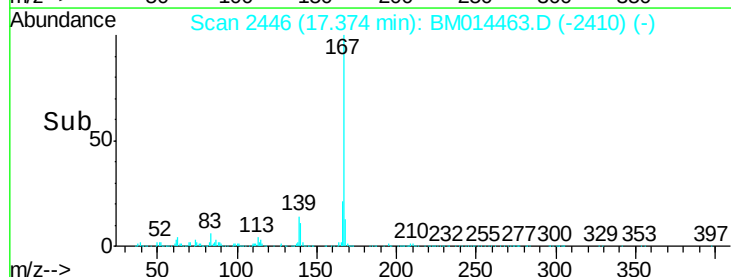
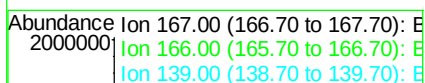
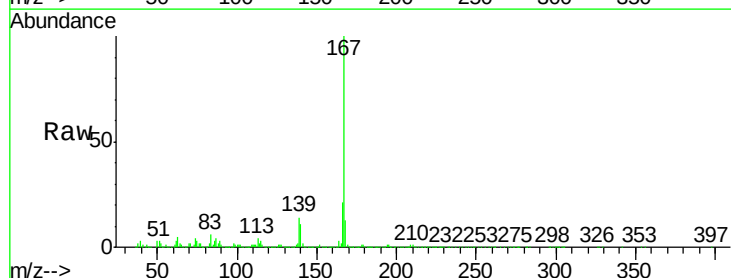
Delta R.T. 0.01 min

Lab File: BM014463.D

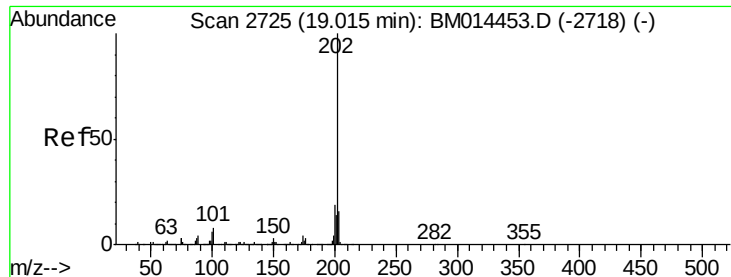
Acq: 02 Mar 2018 15:55

Tgt Ion:167 Resp: 2006879

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	14.4	10.0	15.0



Time-->



#74

Fluoranthene

Concen: 8.132 ng/ul

RT: 19.19 min Scan# 2754

Delta R.T. 0.17 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

Instrument :

BNA_M

ClientSampleId :

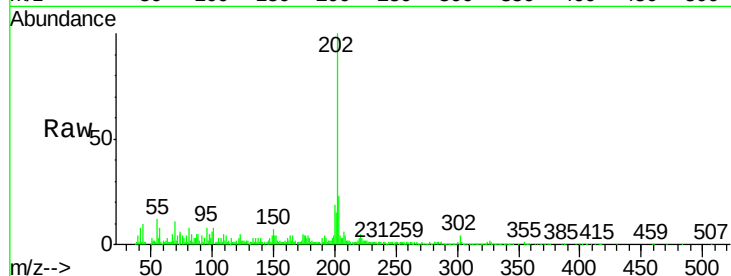
Tot Ion:202 Resp: 282531

Ion Ratio Lower Upper

202 100

101 7.6 4.6 7.0#

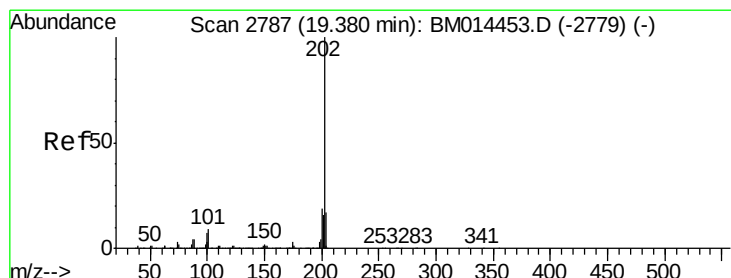
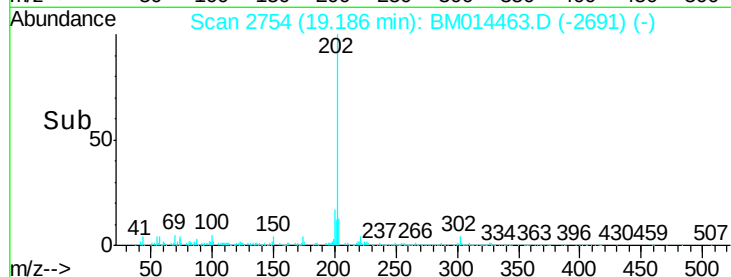
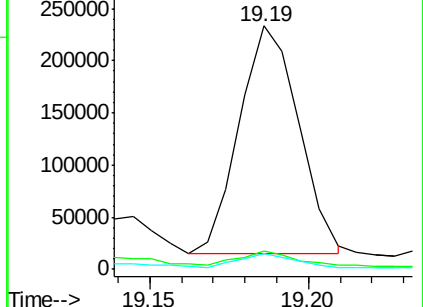
100 6.3 3.4 5.2#



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



#77

Pyrene

Concen: 2.334 ng/ul

RT: 19.32 min Scan# 2776

Delta R.T. -0.06 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

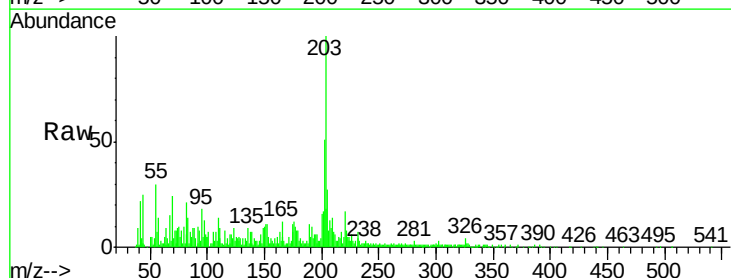
Tgt Ion:202 Resp: 90033

Ion Ratio Lower Upper

202 100

101 13.5 5.1 7.7#

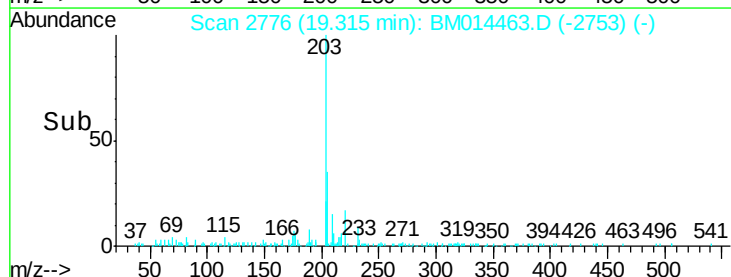
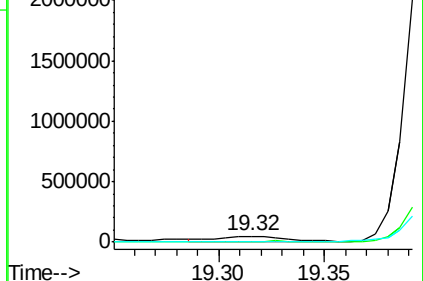
100 10.6 4.9 7.3#

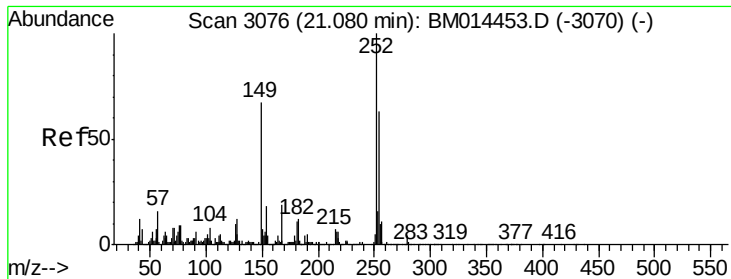


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

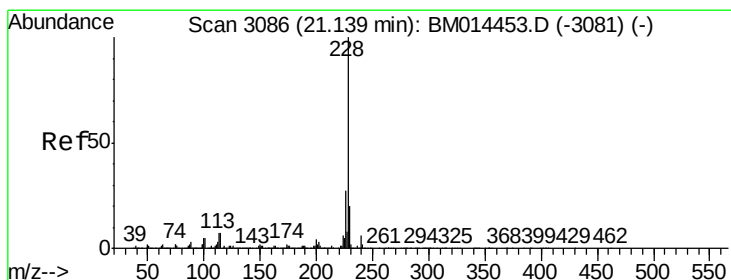
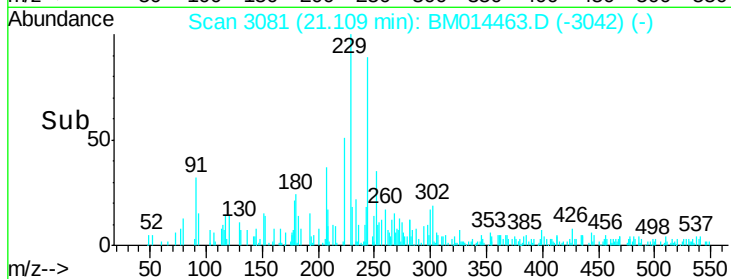
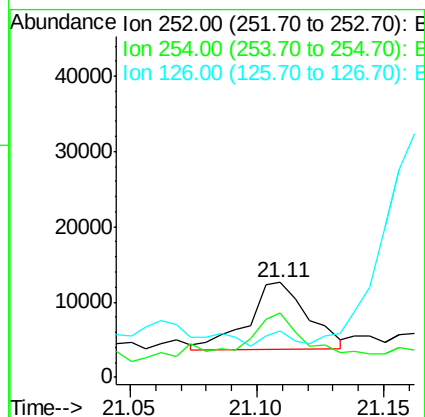
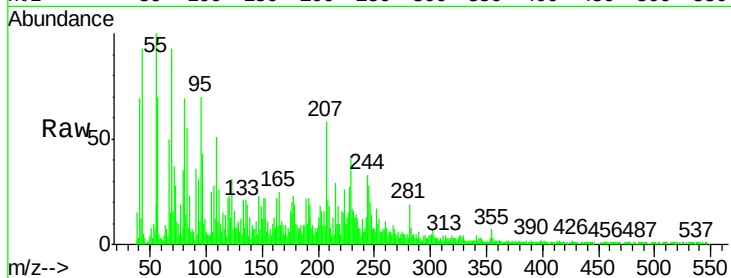




#79
 3,3'-Dichlorobenzidine
 Concen: 1.425 ng/ul
 RT: 21.11 min Scan# 3081
 Delta R.T. 0.03 min
 Lab File: BM014463.D
 Acq: 02 Mar 2018 15:55

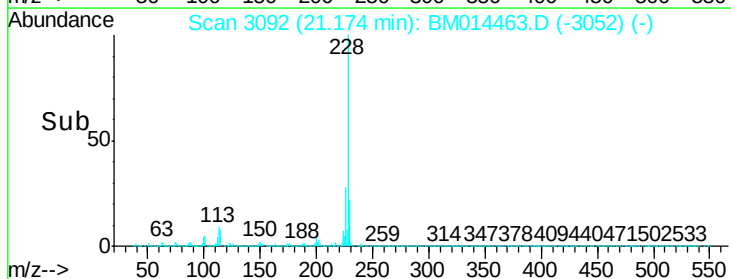
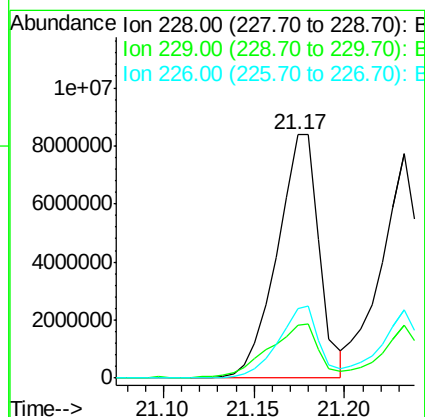
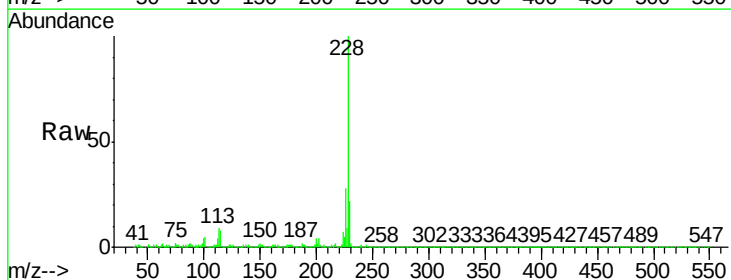
Instrument :
 BNA_M
 ClientSampleId :

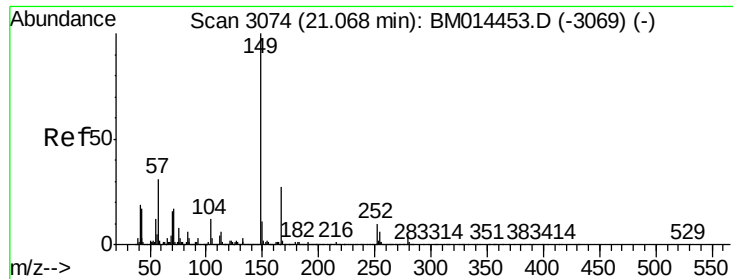
Tot Ion:252 Resp: 14541
 Ion Ratio Lower Upper
 252 100
 254 68.1 54.5 81.7
 126 49.0 5.8 8.8#



#80
 Benzo(a)anthracene
 Concen: 374.173 ng/ul
 RT: 21.17 min Scan# 3092
 Delta R.T. 0.04 min
 Lab File: BM014463.D
 Acq: 02 Mar 2018 15:55

Tgt Ion:228 Resp:13555892
 Ion Ratio Lower Upper
 228 100
 229 21.9 15.4 23.0
 226 28.4 21.4 32.0

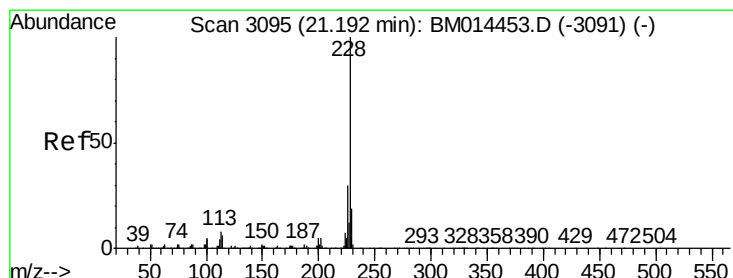
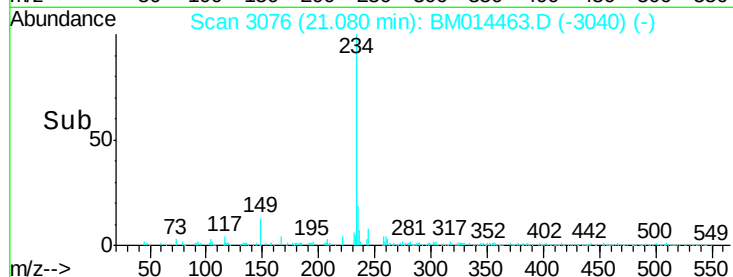
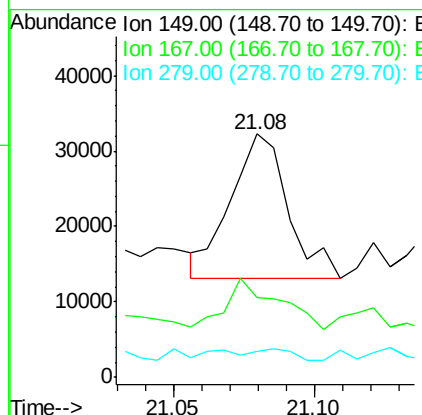
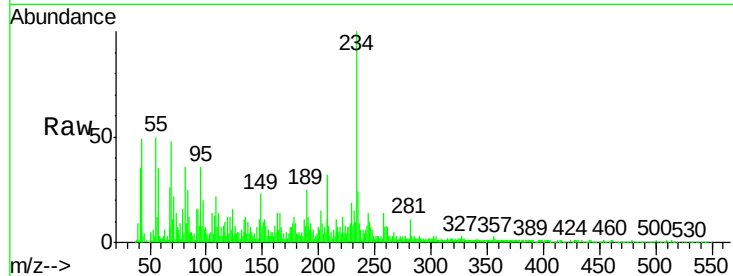




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 1.177 ng/ul
 RT: 21.08 min Scan# 3076
 Delta R.T. 0.01 min
 Lab File: BM014463.D
 Acq: 02 Mar 2018 15:55

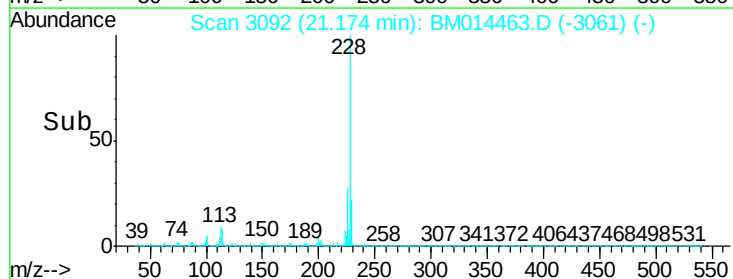
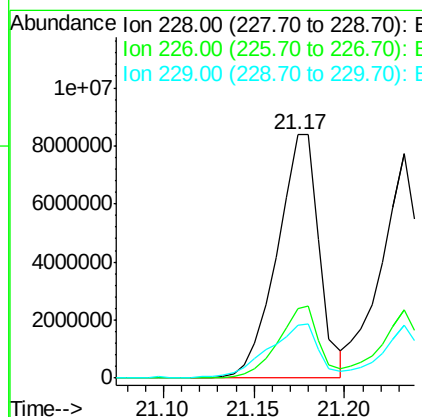
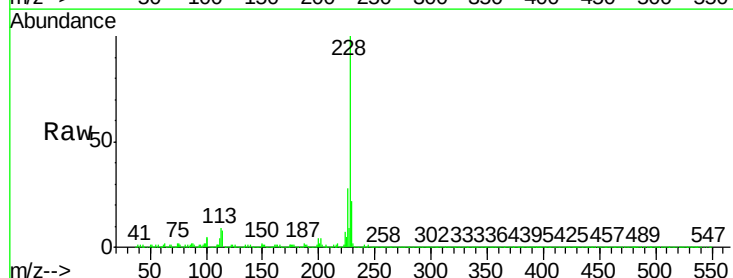
Instrument :
 BNA_M
 ClientSampled :

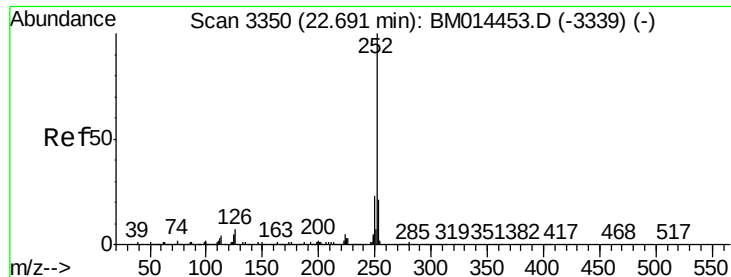
Tot Ion:149 Resp: 26880
 Ion Ratio Lower Upper
 149 100
 167 32.5 22.8 34.2
 279 10.8 4.9 7.3#



#82
 Chrysene
 Concen: 401.098 ng/ul
 RT: 21.17 min Scan# 3092
 Delta R.T. -0.02 min
 Lab File: BM014463.D
 Acq: 02 Mar 2018 15:55

Tgt Ion:228 Resp:13555892
 Ion Ratio Lower Upper
 228 100
 226 28.4 23.4 35.2
 229 21.9 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 258.947 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. 0.06 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

Instrument :

BNA_M

ClientSampleId :

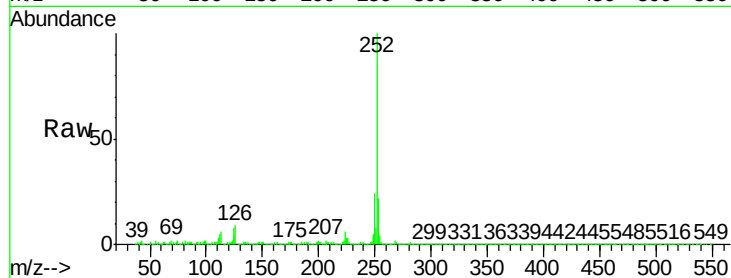
Tot Ion:252 Resp:12839403

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

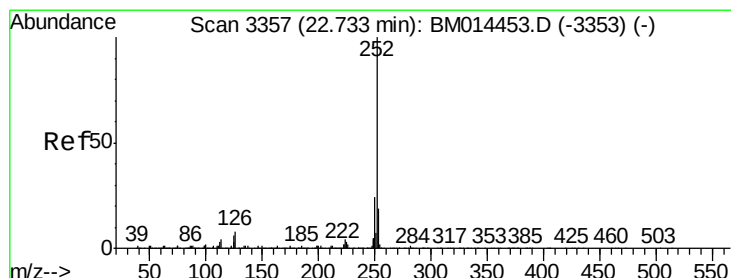
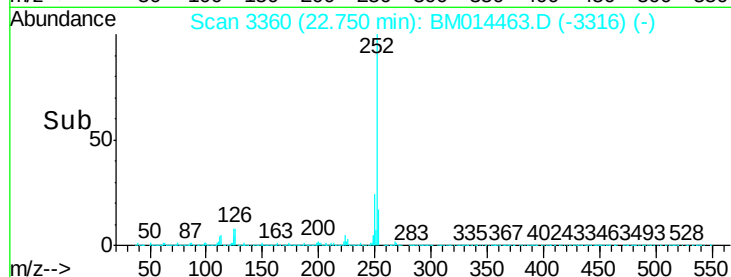
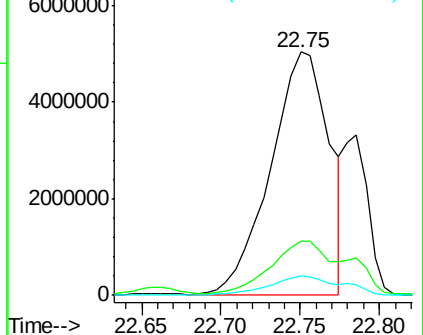
125 7.9 3.6 5.4#



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



#86

Benzo(k)fluoranthene

Concen: 273.066 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. 0.02 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

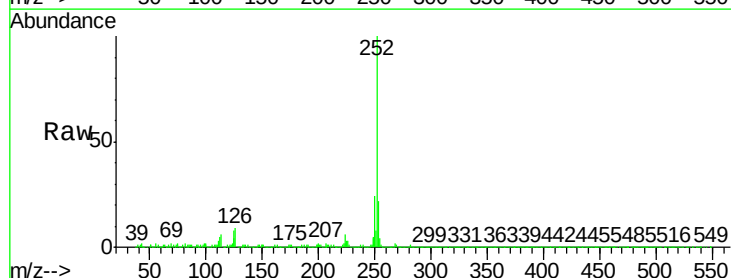
Tgt Ion:252 Resp:12872766

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

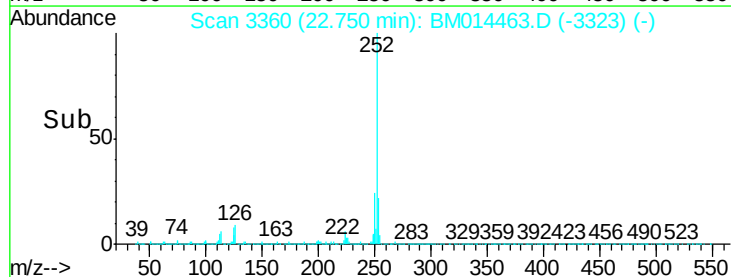
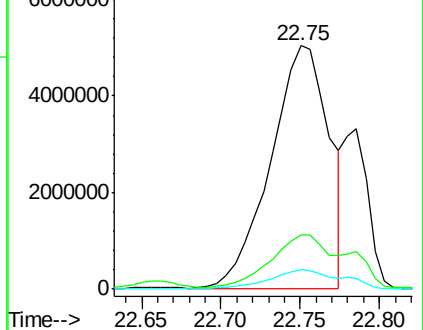
125 7.9 3.4 5.2#

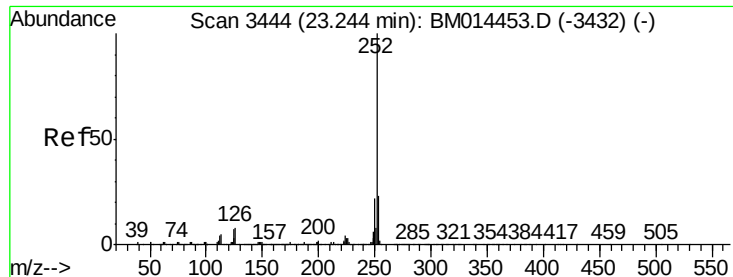


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 114.242 ng/ul

RT: 23.21 min Scan# 3439

Delta R.T. -0.03 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

Instrument :

BNA_M

ClientSampleId :

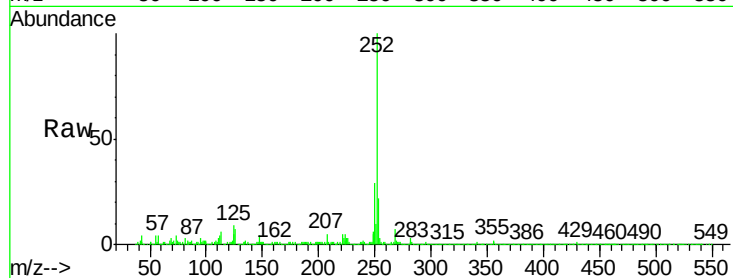
Tot Ion:252 Resp: 5061787

Ion Ratio Lower Upper

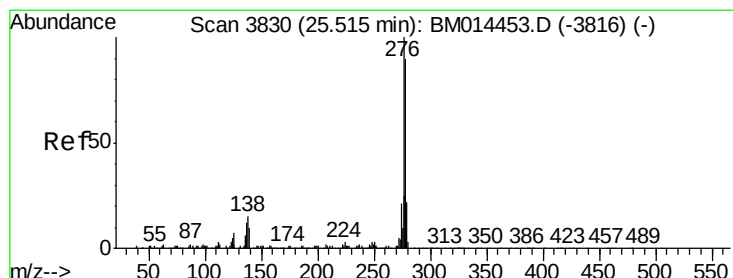
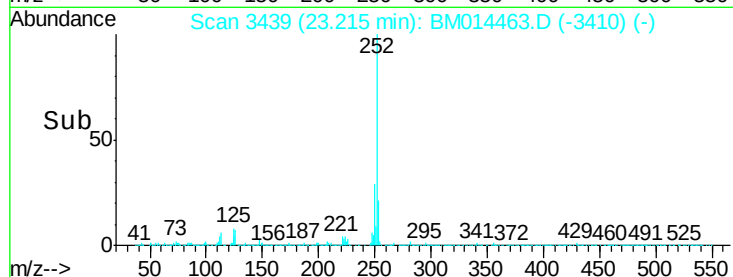
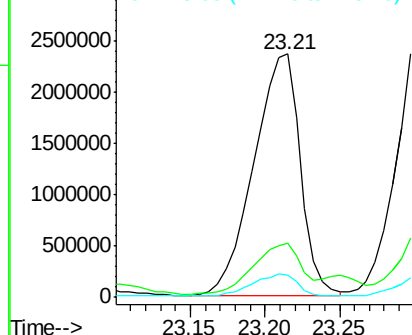
252 100

253 22.3 18.2 27.2

125 9.0 4.0 6.0#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 12.846 ng/ul

RT: 25.36 min Scan# 3803

Delta R.T. -0.16 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

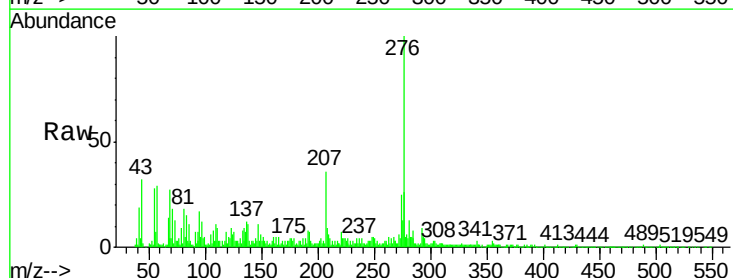
Tgt Ion:276 Resp: 552295

Ion Ratio Lower Upper

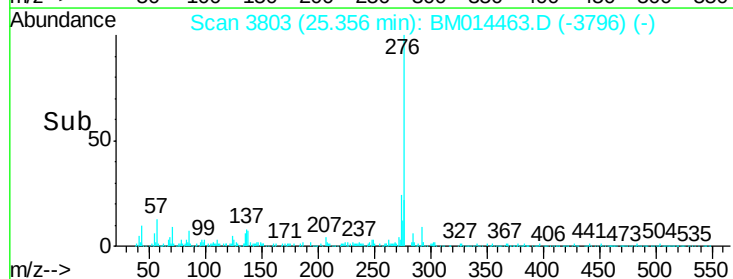
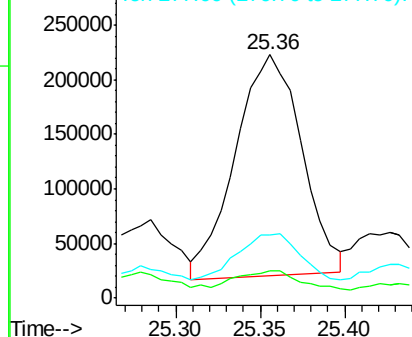
276 100

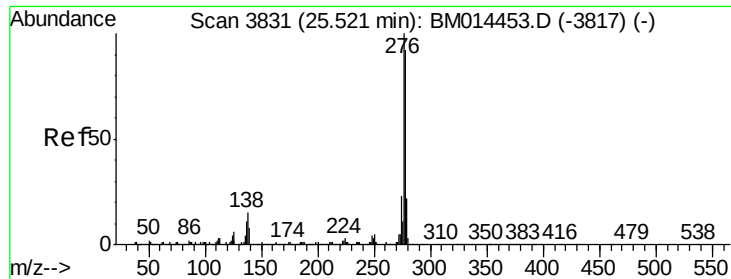
138 11.2 9.3 13.9

277 25.8 19.9 29.9



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



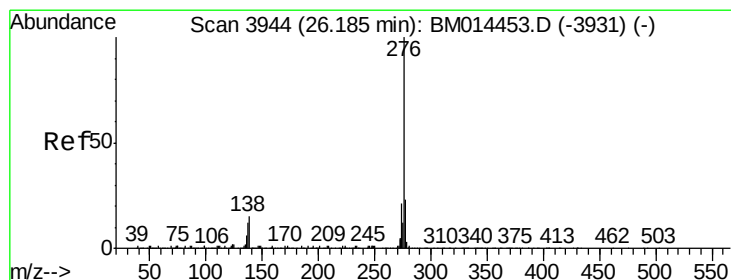
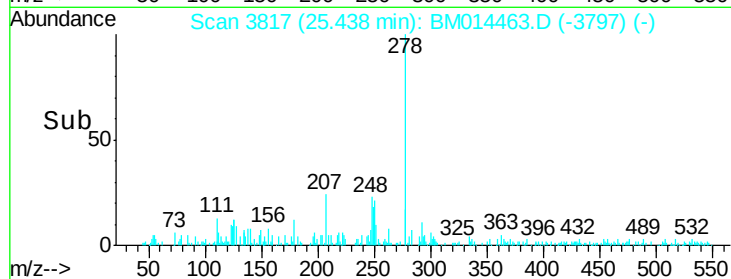
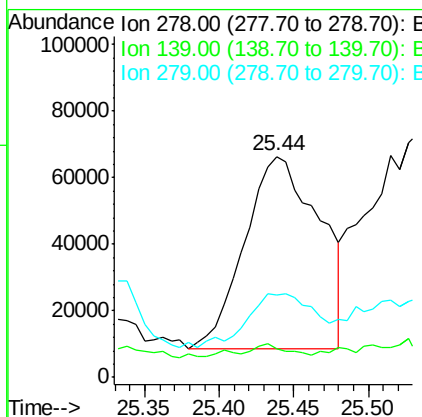
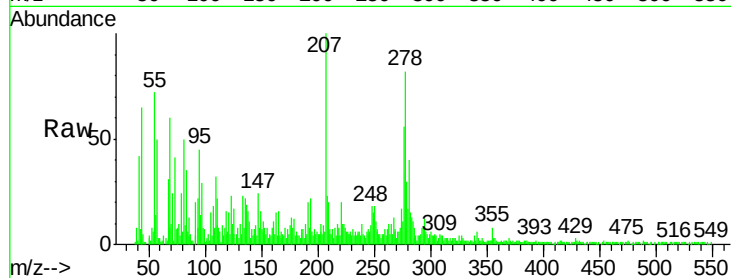


#90

Dibenzo(a,h)anthracene
Concen: 5.608 ng/ul
RT: 25.44 min Scan# 3817
Delta R.T. -0.08 min
Lab File: BM014463.D
Acq: 02 Mar 2018 15:55

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 200349
Ion Ratio Lower Upper
278 100
139 13.0 5.8 8.8#
279 37.3 18.6 27.8#



#91

Benzo(g,h,i)perylene
Concen: 4.167 ng/ul
RT: 25.93 min Scan# 3901
Delta R.T. -0.25 min
Lab File: BM014463.D
Acq: 02 Mar 2018 15:55

Tgt Ion:276 Resp: 145128
Ion Ratio Lower Upper
276 100
138 32.1 8.5 12.7#
277 55.4 18.6 28.0#

