

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022618\
 Data File : BM014370.D
 Acq On : 26 Feb 2018 23:23
 Operator : SJ/JU
 Sample : J1631-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 27 03:26:07 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 27 03:22:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	142942	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	647421	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.19	164	377493	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	756960	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	585782	20.00	ng/ul	0.01
83) Perylene-d12	23.34	264	518121	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	18627	5.58	ng/uL	0.00
5) Phenol-d5	6.73	99	380316	31.48	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.88	67	236688	32.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	324506	35.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	274583	25.98	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	169023	35.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	188377	38.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	348082	33.94	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	204905	20.28	ng/ul	0.00
43) Dimethylphthalate-d6	13.61	166	1145775	36.75	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1438552	37.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	101960	23.69	ng/ul	0.02
57) Fluorene-d10	15.19	176	958213	34.31	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	27312	6.01	ng/ul	0.02
70) Anthracene-d10	17.04	188	1403287	38.42	ng/ul	0.00
76) Pyrene-d10	19.36	212	1293800	42.82	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.21	264	946909	37.55	ng/ul	0.03

Target Compounds

					Ovalue	
4) Benzaldehyde	6.70	77	8000	1.624	ng/ul#	67
6) Phenol	6.76	94	55956	4.414	ng/ul	97
14) Acetophenone	8.35	105	41582	2.280	ng/ul	88
28) Naphthalene	10.35	128	238312	7.167	ng/ul	99
30) 4-Chloroaniline	10.35	127	32447	3.149	ng/ul#	23
34) 2-Methylnaphthalene	11.97	142	52980	2.093	ng/ul	98
44) Dimethylphthalate	13.66	163	669109	21.766	ng/ul	100
47) Acenaphthylene	13.90	152	177421	4.883	ng/ul	97
49) Acenaphthene	14.24	153	124007	4.847	ng/ul	100
53) Dibenzofuran	14.59	168	140672	3.667	ng/ul	96
56) Diethylphthalate	15.03	149	51047	1.490	ng/ul	94
58) Fluorene	15.24	166	183371	5.537	ng/ul	98
69) Phenanthrene	16.99	178	3753493	86.064	ng/ul	99
71) Anthracene	17.08	178	741803	16.913	ng/ul	99
72) Carbazole	17.36	167	317086	8.598	ng/ul#	96
74) Fluoranthene	19.02	202	5686871	109.141	ng/ul#	90
77) Pyrene	19.39	202	4852426	124.647	ng/ul#	92
80) Benzo(a)anthracene	21.15	228	2290445	62.651	ng/ul	95
82) Chrysene	21.20	228	2084532	61.122	ng/ul	97
85) Benzo(b)fluoranthene	22.70	252	2646917	76.297	ng/ul#	97
86) Benzo(k)fluoranthene	22.70	252	2646917	80.248	ng/ul#	95
88) Benzo(a)pyrene	23.26	252	1817225	58.618	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.51	276	1209438	40.204	ng/ul	97

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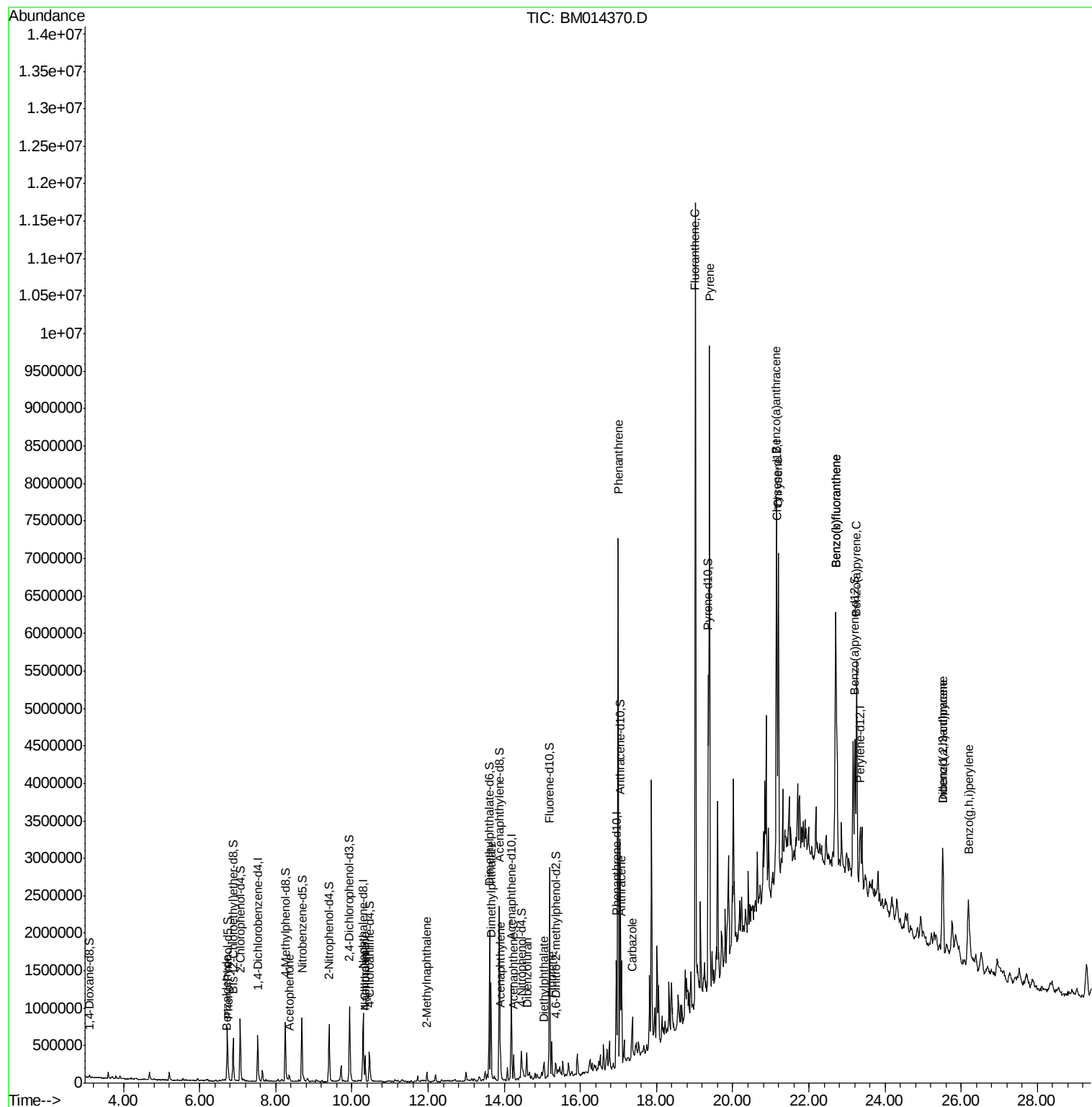
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.51	278	186422	7.458	ng/ul#	83
91) Benzo(q,h,i)perylene	26.19	276	901491	36.992	ng/ul#	95

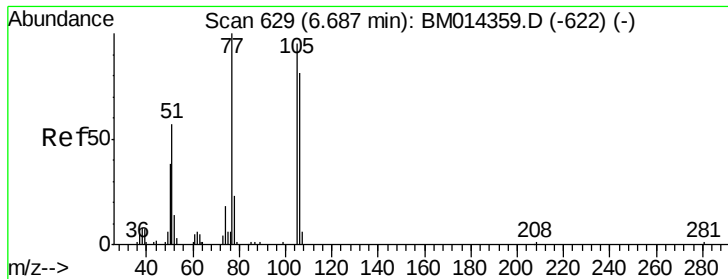
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.624 ng/ul

RT: 6.70 min Scan# 631

Delta R.T. 0.01 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Instrument :

BNA_M

ClientSampled :

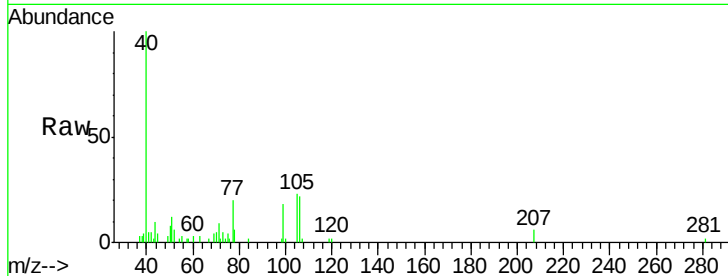
Tot Ion: 77 Resp: 8000

Ion Ratio Lower Upper

77 100

105 117.1 66.1 99.1#

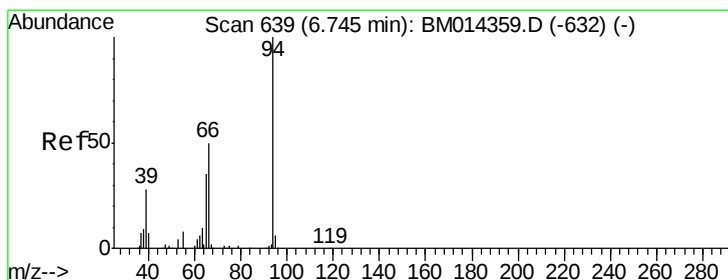
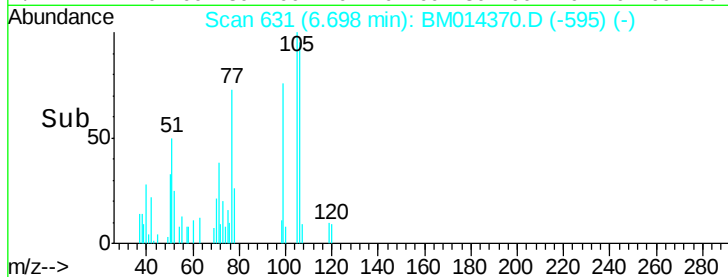
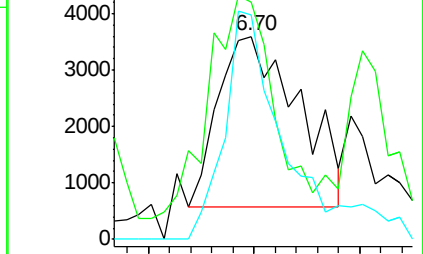
106 110.8 67.8 101.6#



Abundance Ion 77.00 (76.70 to 77.70): BM014359.D (-622) (-)

Ion 105.00 (104.70 to 105.70): BM014359.D (-622) (-)

Ion 106.00 (105.70 to 106.70): BM014359.D (-622) (-)



#6

Phenol

Concen: 4.414 ng/ul

RT: 6.76 min Scan# 641

Delta R.T. 0.01 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

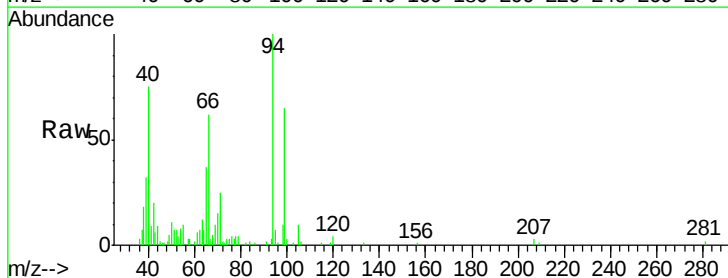
Tgt Ion: 94 Resp: 55956

Ion Ratio Lower Upper

94 100

65 36.5 28.2 42.4

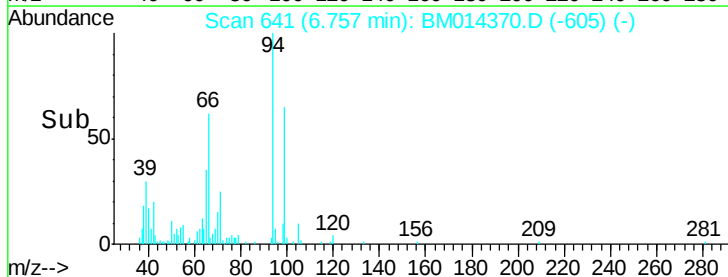
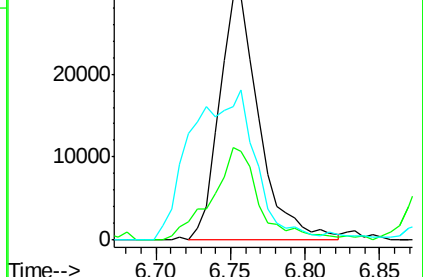
66 61.7 47.2 70.8

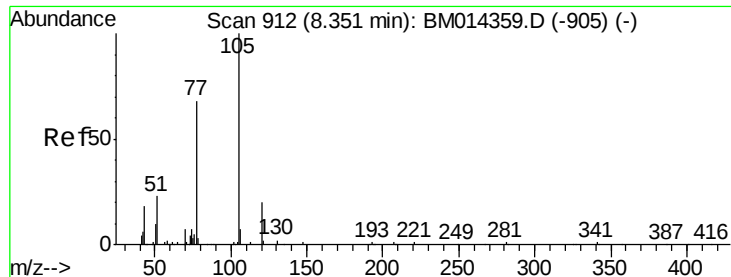


Abundance Ion 94.00 (93.70 to 94.70): BM014359.D (-632) (-)

Ion 65.00 (64.70 to 65.70): BM014359.D (-632) (-)

Ion 66.00 (65.70 to 66.70): BM014359.D (-632) (-)





#14

Acetophenone

Concen: 2.280 ng/ul

RT: 8.35 min Scan# 912

Delta R.T. 0.00 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Instrument :

BNA_M

ClientSampleId :

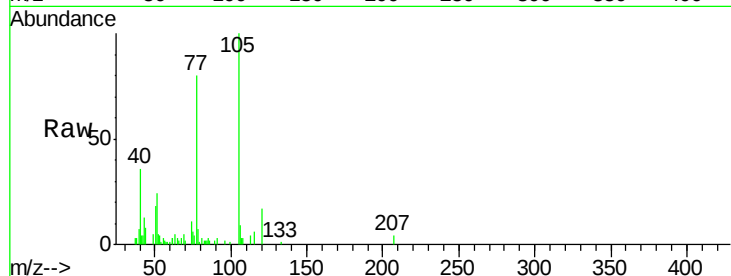
Tot Ion:105 Resp: 41582

Ion Ratio Lower Upper

105 100

77 80.0 74.2 111.4

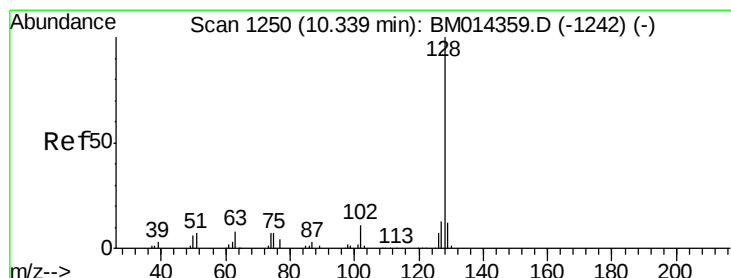
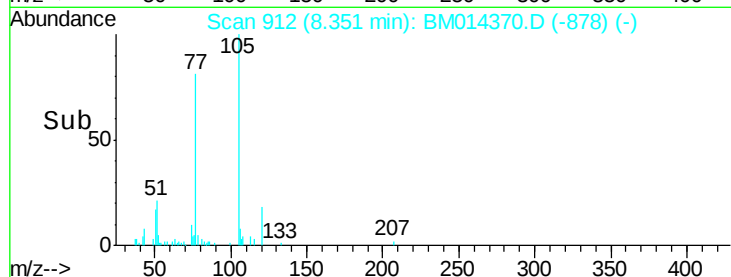
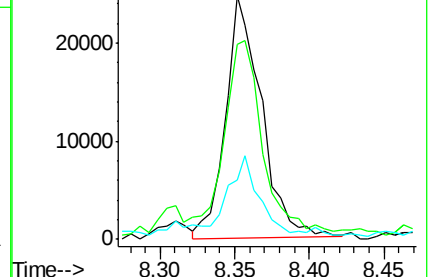
51 24.3 23.4 35.2



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#28

Naphthalene

Concen: 7.167 ng/ul

RT: 10.35 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

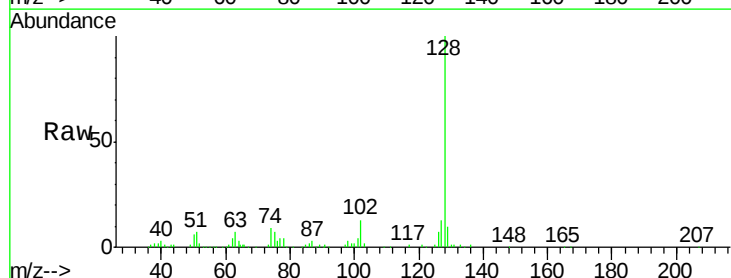
Tgt Ion:128 Resp: 238312

Ion Ratio Lower Upper

128 100

129 10.3 8.8 13.2

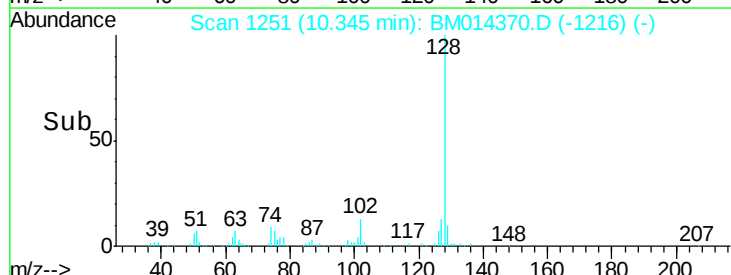
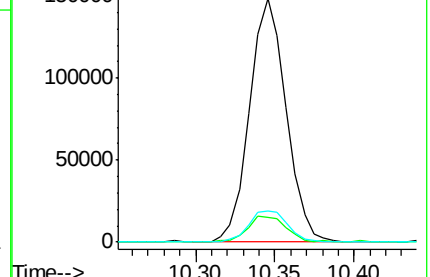
127 12.8 10.6 16.0

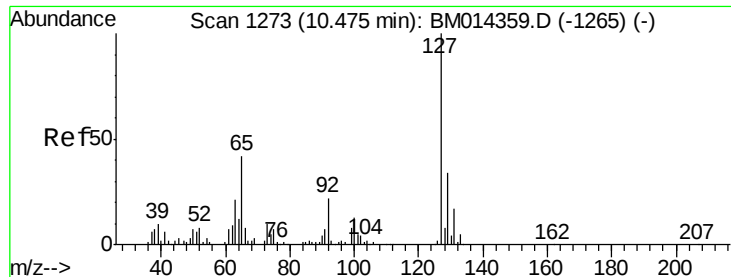


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

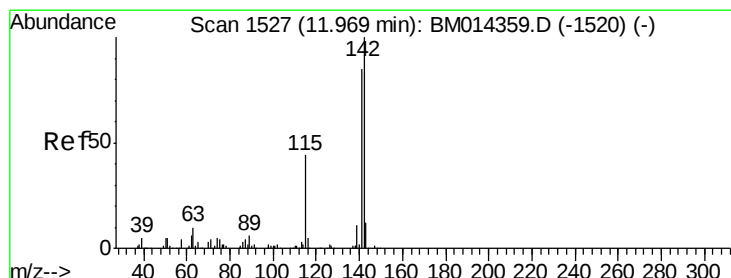
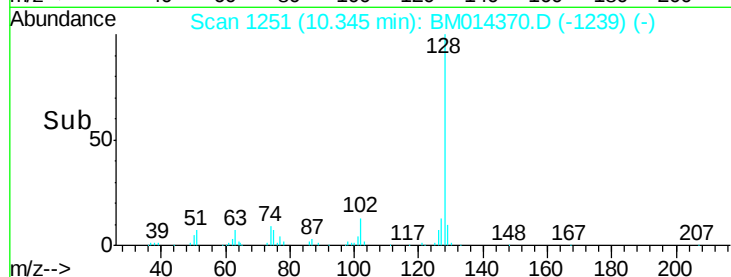
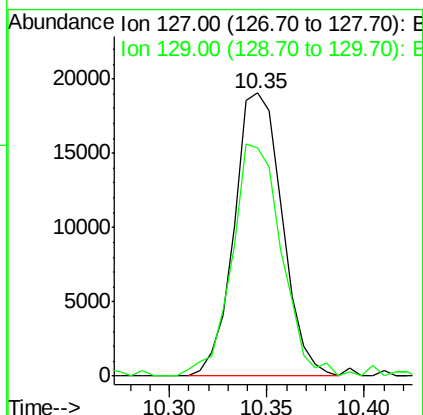
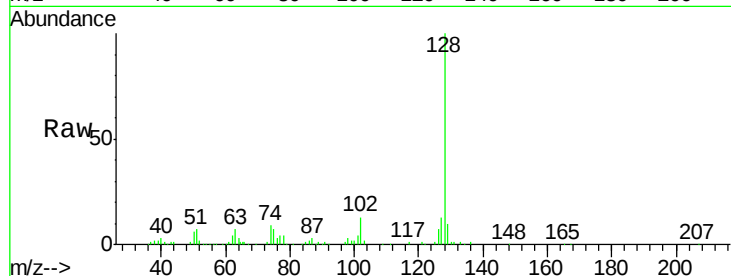




#30
4-Chloroaniline
Concen: 3.149 ng/ul
RT: 10.35 min Scan# 1251
Delta R.T. -0.13 min
Lab File: BM014370.D
Acq: 26 Feb 2018 23:23

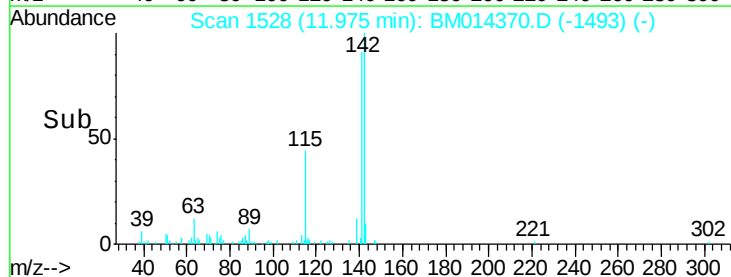
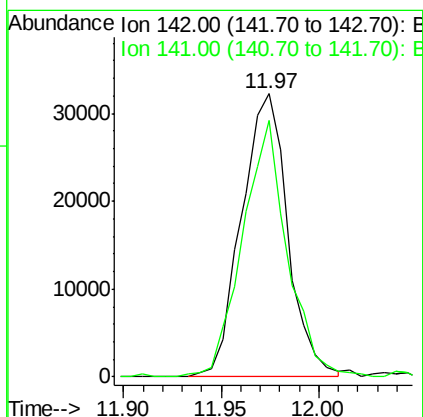
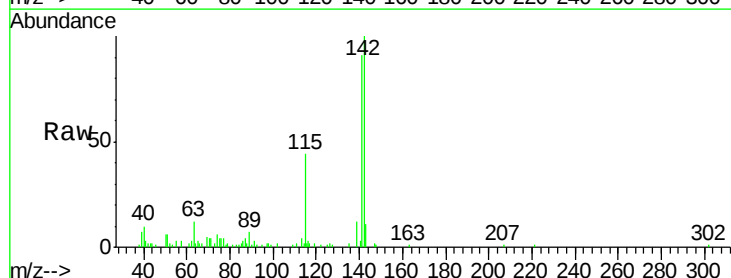
Instrument :
BNA_M
ClientSampleId :

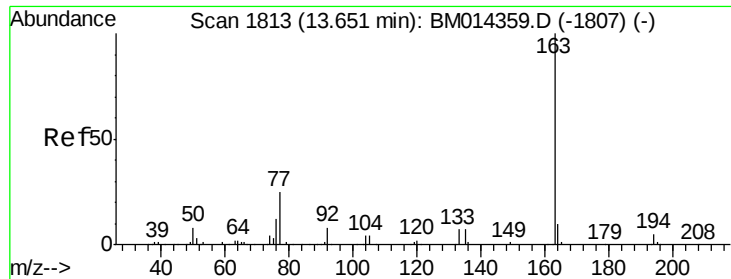
Tot Ion:127 Resp: 32447
Ion Ratio Lower Upper
127 100
129 80.5 28.4 42.6#



#34
2-Methylnaphthalene
Concen: 2.093 ng/ul
RT: 11.97 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BM014370.D
Acq: 26 Feb 2018 23:23

Tgt Ion:142 Resp: 52980
Ion Ratio Lower Upper
142 100
141 90.8 74.1 111.1

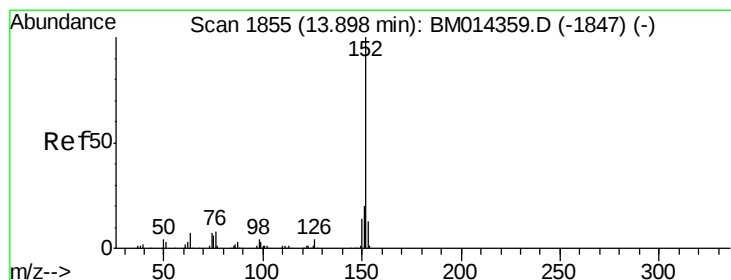
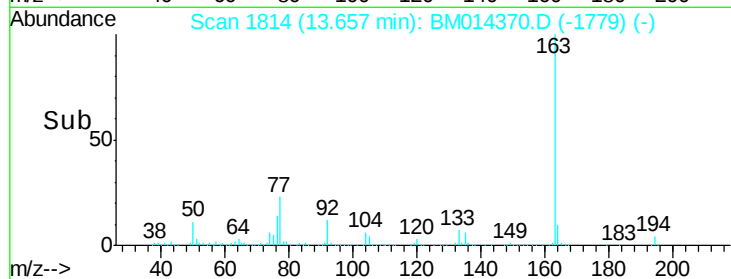
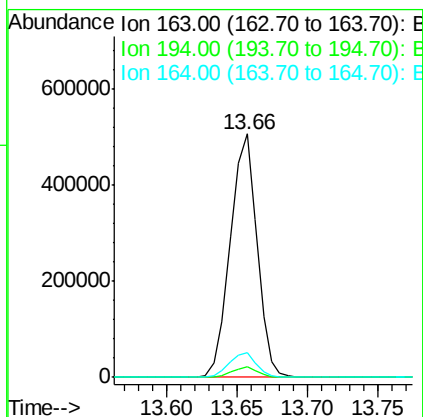
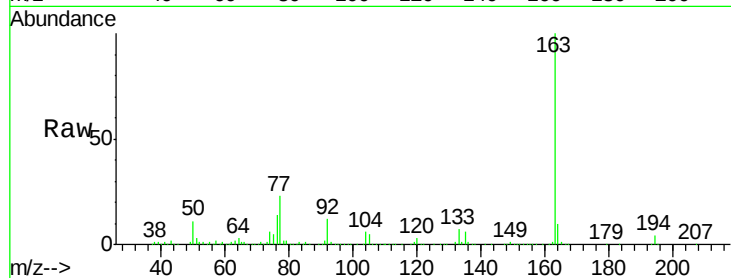




#44
Dimethylphthalate
Concen: 21.766 ng/ul
RT: 13.66 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BM014370.D
Acq: 26 Feb 2018 23:23

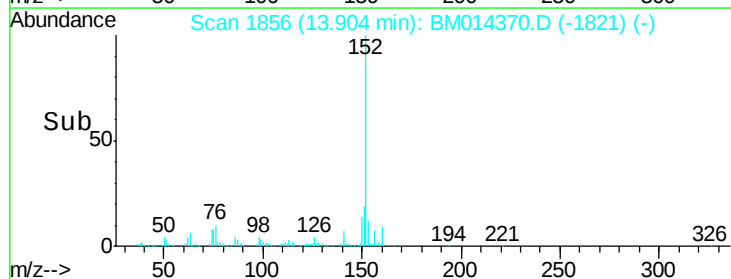
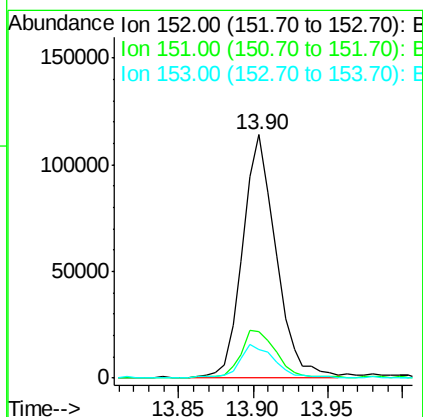
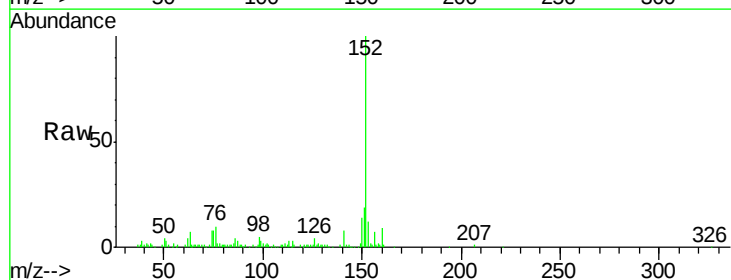
Instrument :
BNA_M
ClientSampleId :

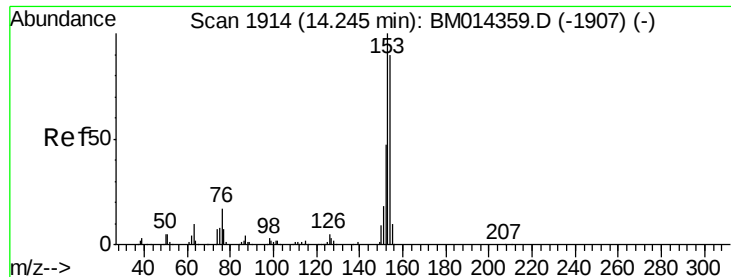
Tot Ion:163 Resp: 669109
Ion Ratio Lower Upper
163 100
194 4.2 3.5 5.3
164 10.2 8.2 12.4



#47
Acenaphthylene
Concen: 4.883 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BM014370.D
Acq: 26 Feb 2018 23:23

Tgt Ion:152 Resp: 177421
Ion Ratio Lower Upper
152 100
151 19.4 16.3 24.5
153 11.6 10.2 15.4





#49

Acenaphthene

Concen: 4.847 ng/ul

RT: 14.24 min Scan# 1914

Delta R.T. 0.00 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Instrument :

BNA_M

ClientSampleId :

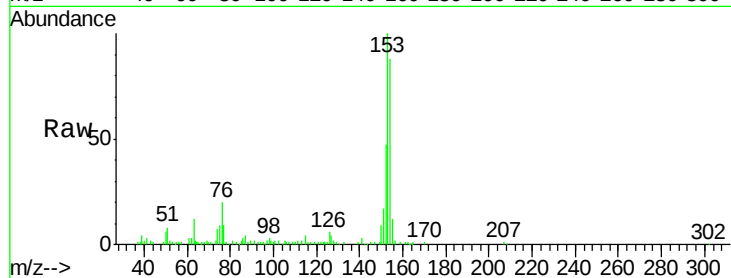
Tot Ion:153 Resp: 124007

Ion Ratio Lower Upper

153 100

152 46.9 37.6 56.4

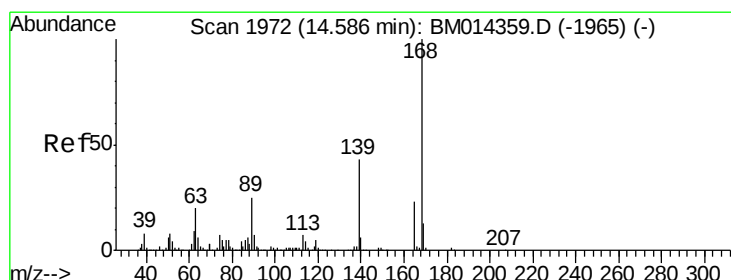
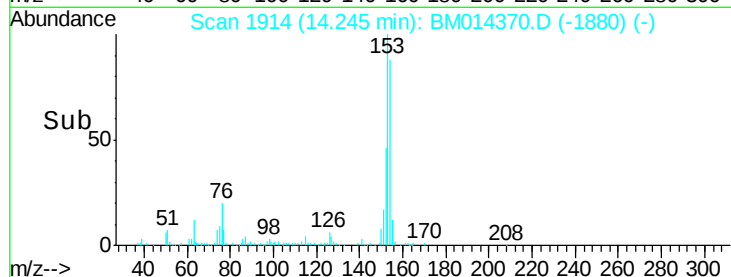
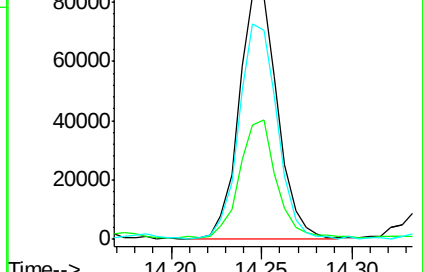
154 88.5 70.4 105.6



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: 3.667 ng/ul

RT: 14.59 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM014370.D

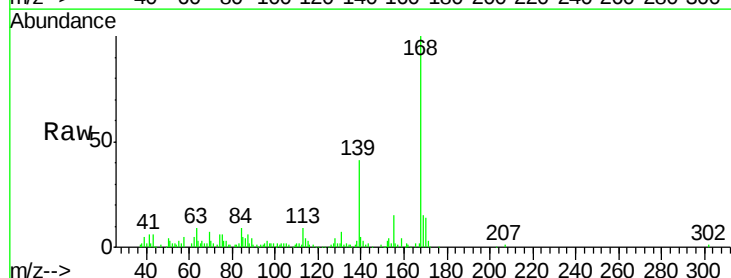
Acq: 26 Feb 2018 23:23

Tgt Ion:168 Resp: 140672

Ion Ratio Lower Upper

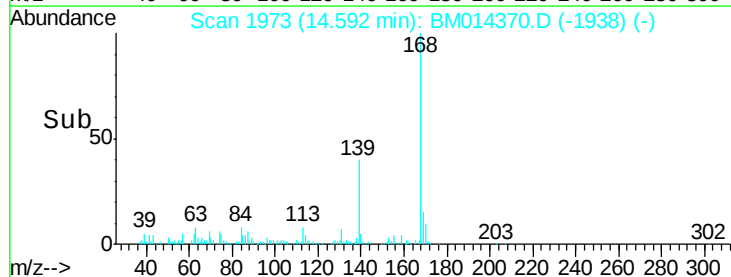
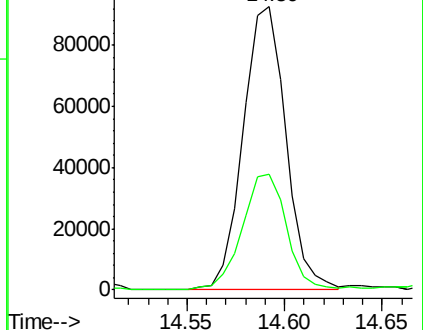
168 100

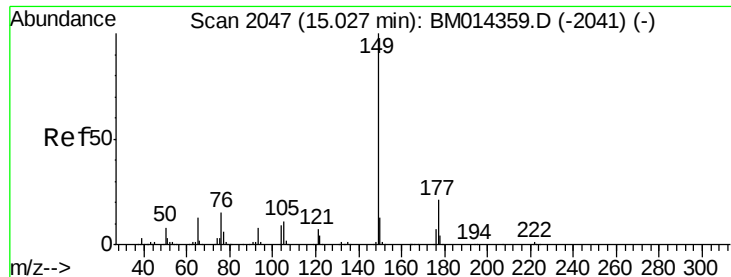
139 40.9 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

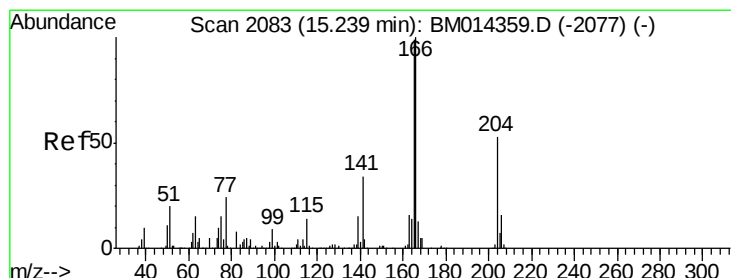
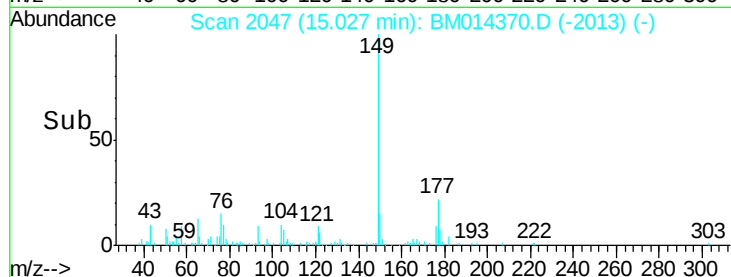
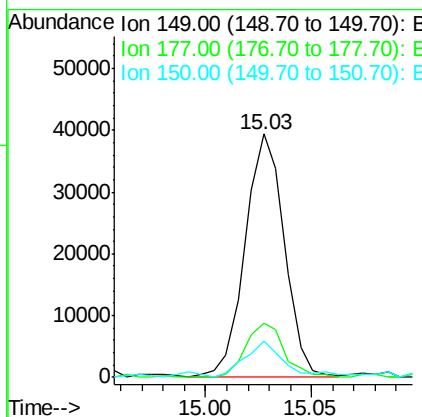
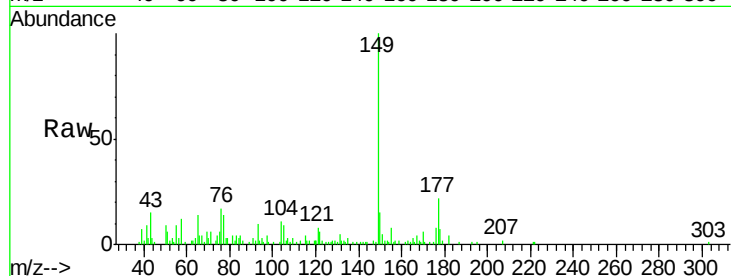




#56
Diethylphthalate
Concen: 1.490 ng/ul
RT: 15.03 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BM014370.D
Acq: 26 Feb 2018 23:23

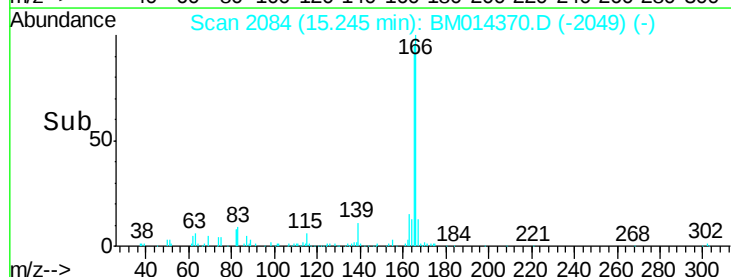
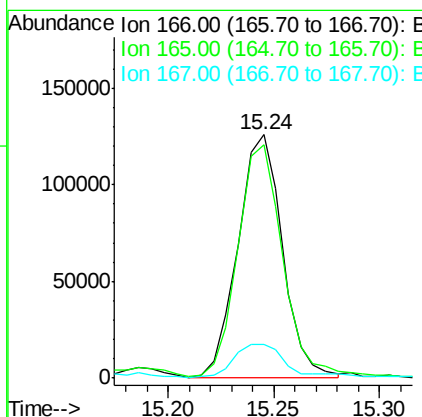
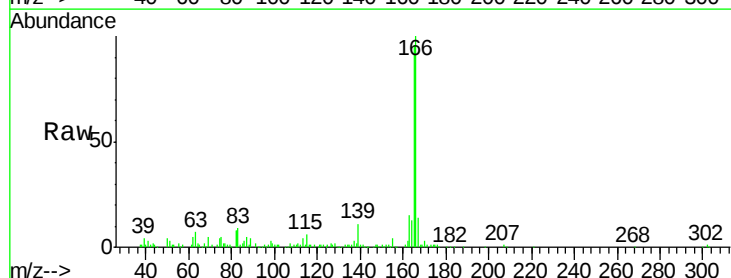
Instrument :
BNA_M
ClientSampled :

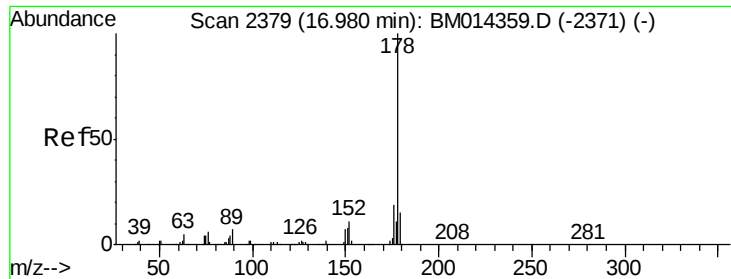
Tot Ion	Ratio	Lower	Upper
149	100		
177	22.4	20.5	30.7
150	15.1	10.6	15.8



#58
Fluorene
Concen: 5.537 ng/ul
RT: 15.24 min Scan# 2084
Delta R.T. 0.01 min
Lab File: BM014370.D
Acq: 26 Feb 2018 23:23

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.8	77.9	116.9
167	14.0	10.6	16.0





#69

Phenanthrene

Concen: 86.064 ng/ul

RT: 16.99 min Scan# 2381

Delta R.T. 0.01 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Instrument :

BNA_M

ClientSampleId :

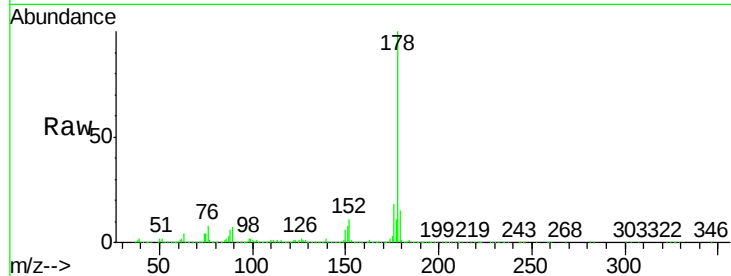
Tot Ion:178 Resp: 3753493

Ion Ratio Lower Upper

178 100

179 15.2 12.6 19.0

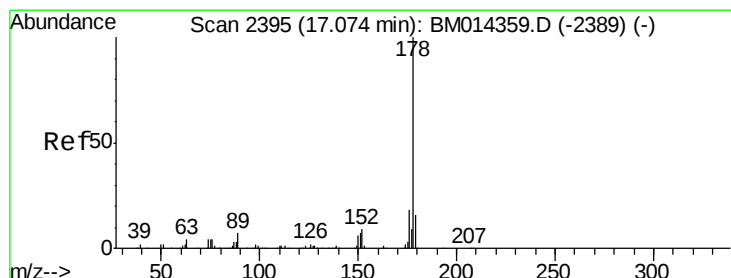
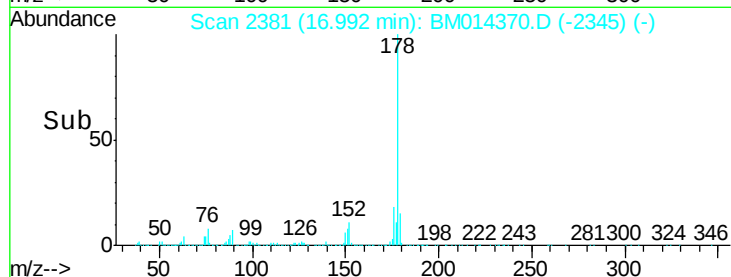
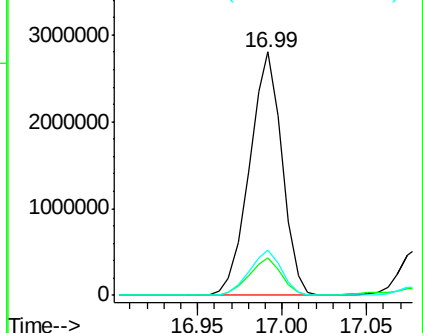
176 18.4 14.9 22.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 16.913 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. 0.01 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

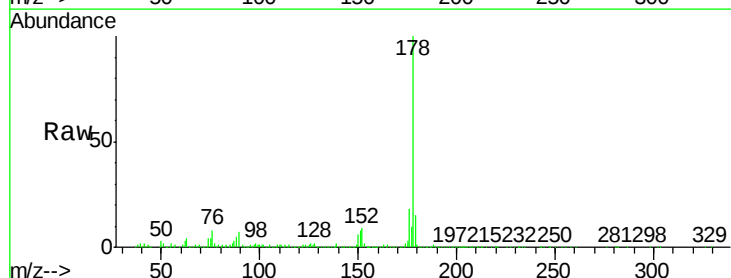
Tgt Ion:178 Resp: 741803

Ion Ratio Lower Upper

178 100

179 15.4 11.7 17.5

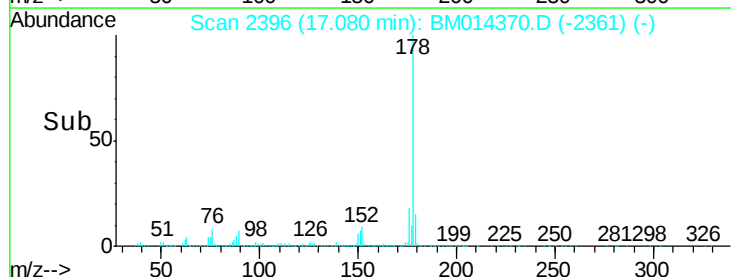
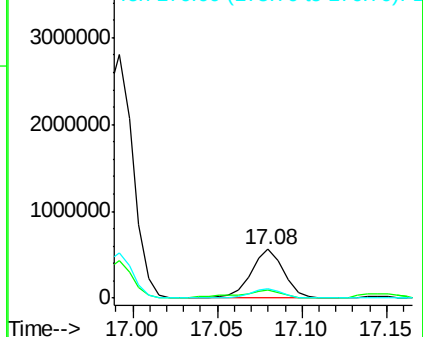
176 18.1 14.6 21.8

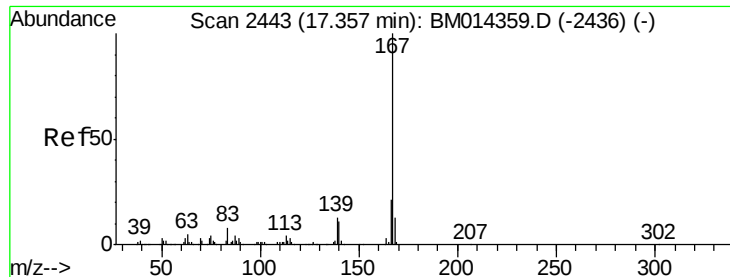


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 8.598 ng/ul

RT: 17.36 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Instrument :

BNA_M

ClientSampleId :

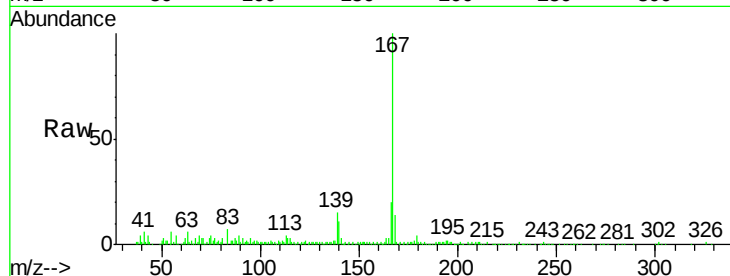
Tot Ion:167 Resp: 317086

Ion Ratio Lower Upper

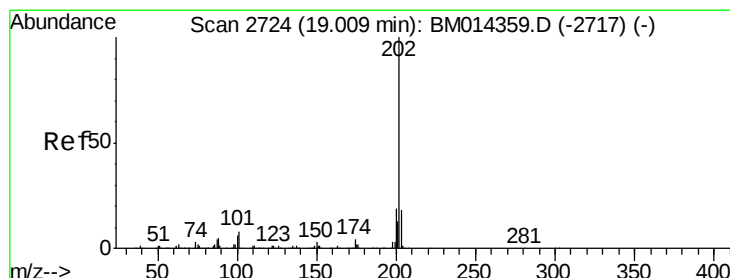
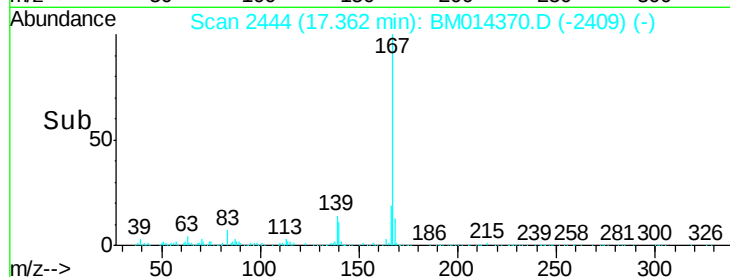
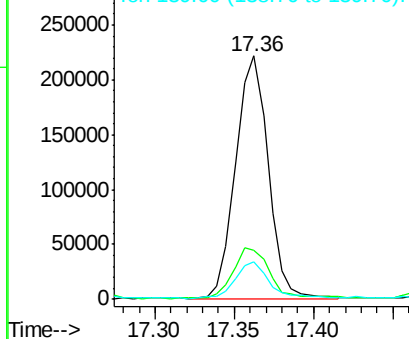
167 100

166 20.1 17.1 25.7

139 15.3 10.0 15.0#



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



#74

Fluoranthene

Concen: 109.141 ng/ul

RT: 19.02 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

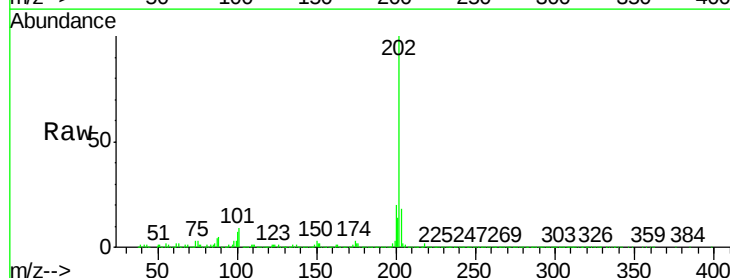
Tgt Ion:202 Resp: 5686871

Ion Ratio Lower Upper

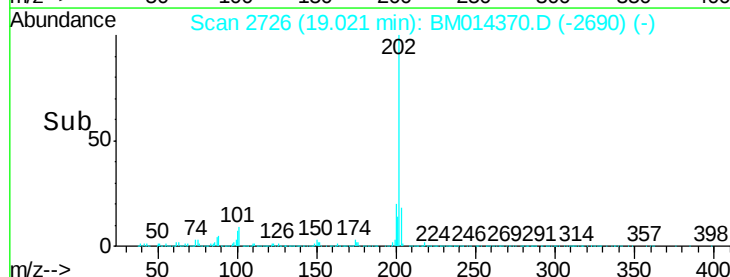
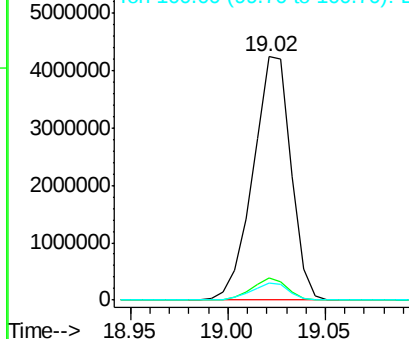
202 100

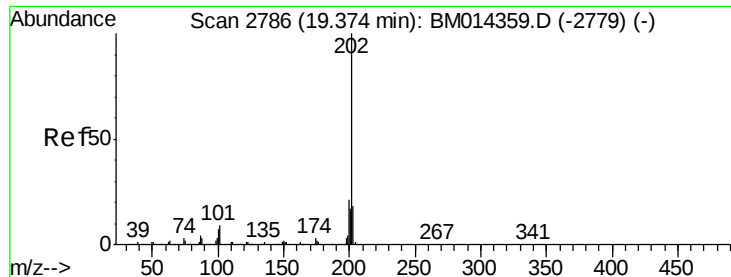
101 9.3 4.6 7.0#

100 7.3 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

Pvrene

Concen: 124.647 ng/ul

RT: 19.39 min Scan# 2789

Delta R.T. 0.02 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Instrument :

BNA_M

ClientSampleId :

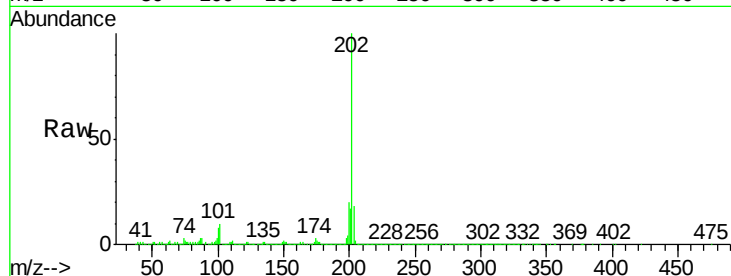
Tot Ion:202 Resp: 4852426

Ion Ratio Lower Upper

202 100

101 9.8 5.1 7.7#

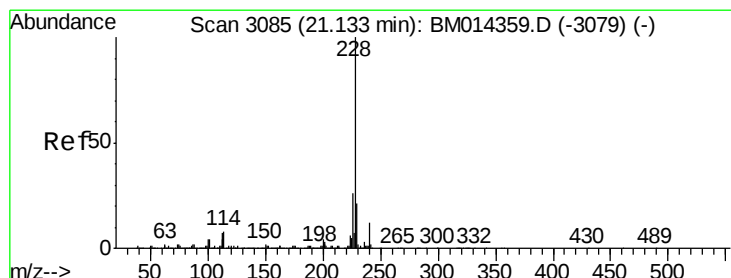
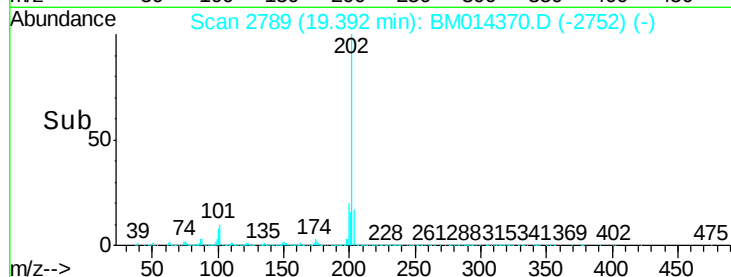
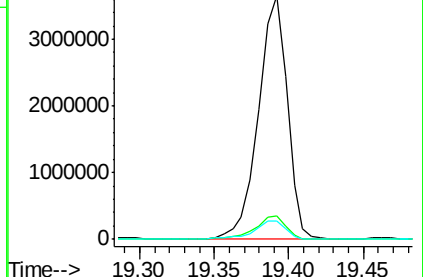
100 7.8 4.9 7.3#



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



#80

Benzo(a)anthracene

Concen: 62.651 ng/ul

RT: 21.15 min Scan# 3088

Delta R.T. 0.02 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

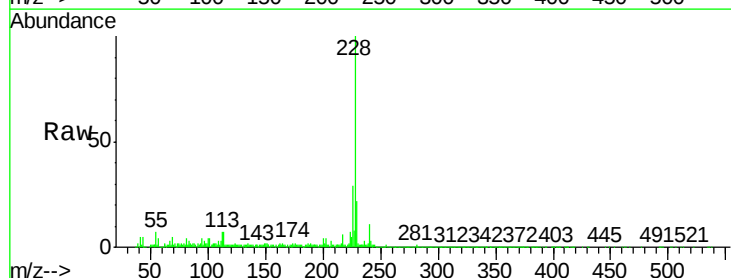
Tgt Ion:228 Resp: 2290445

Ion Ratio Lower Upper

228 100

229 22.1 15.4 23.0

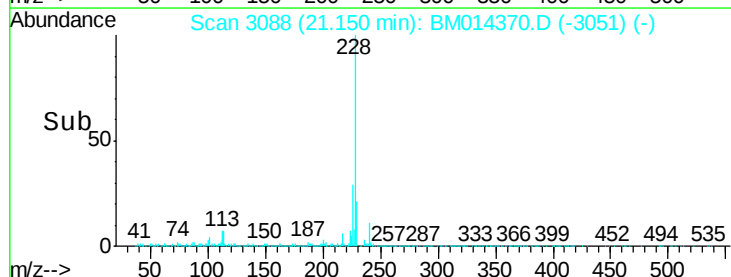
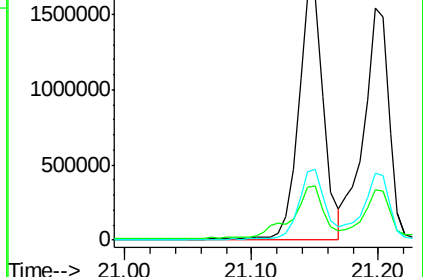
226 28.9 21.4 32.0

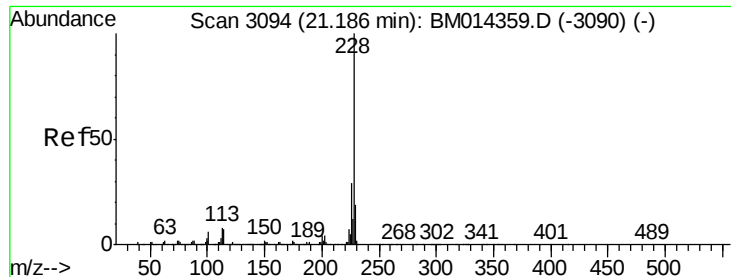


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 61.122 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

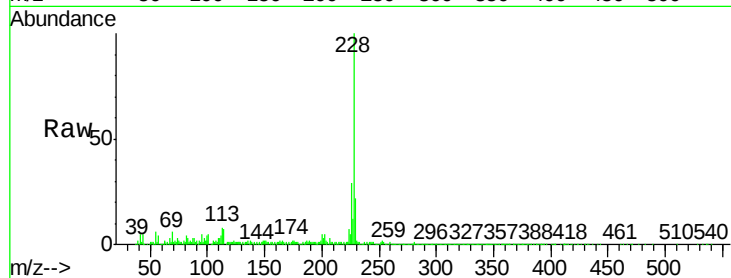
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 2084532

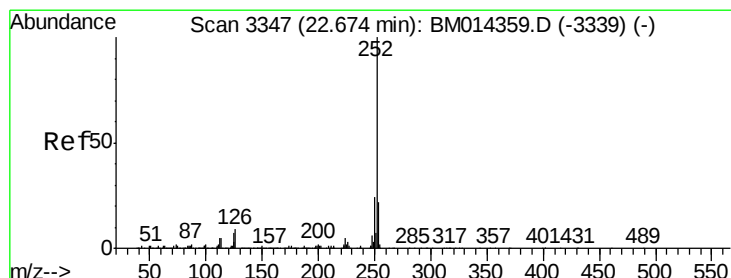
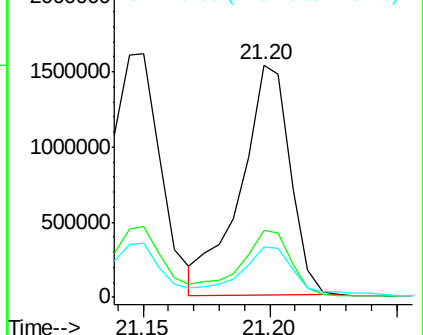
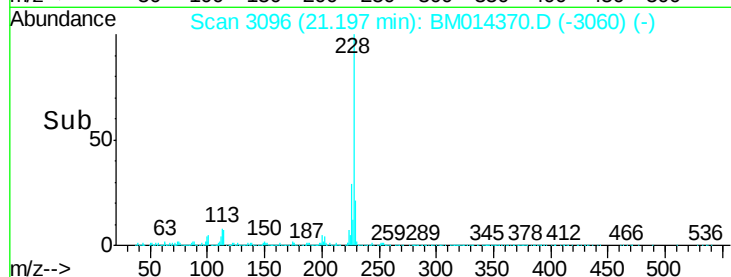
Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.4	35.2
229	21.7	15.5	23.3



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



#85

Benzo(b)fluoranthene

Concen: 76.297 ng/ul

RT: 22.70 min Scan# 3352

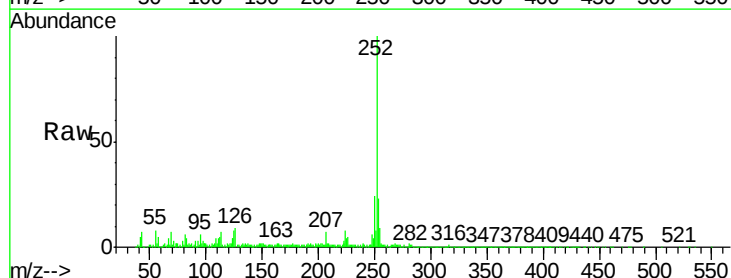
Delta R.T. 0.03 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Tgt Ion:252 Resp: 2646917

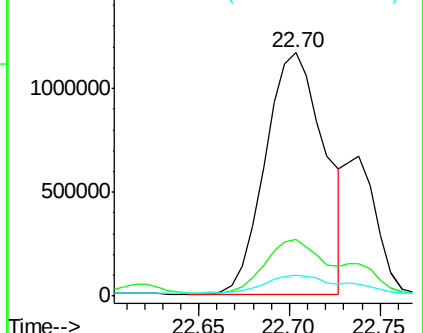
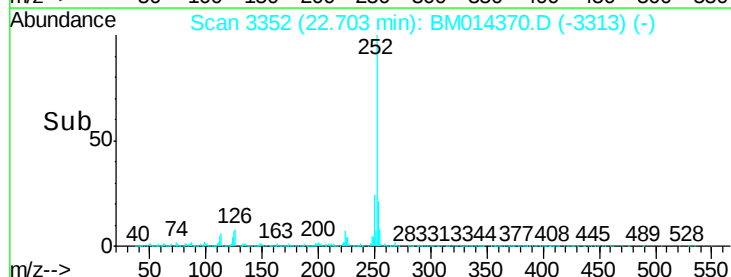
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	8.3	3.6	5.4#

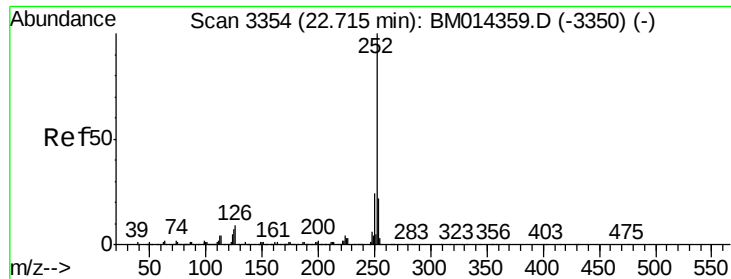


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 80.248 ng/ul

RT: 22.70 min Scan# 3352

Delta R.T. -0.01 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Instrument :

BNA_M

ClientSampleId :

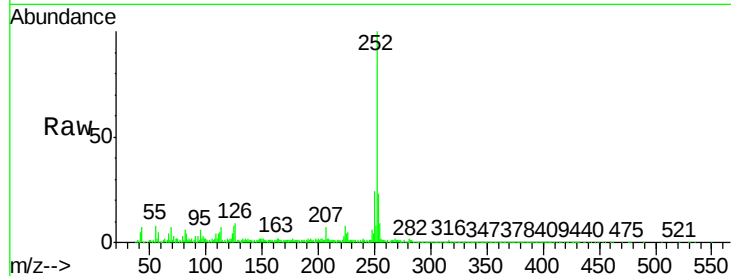
Tot Ion:252 Resp: 2646917

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

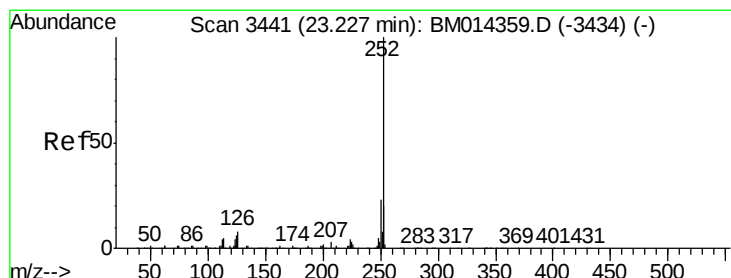
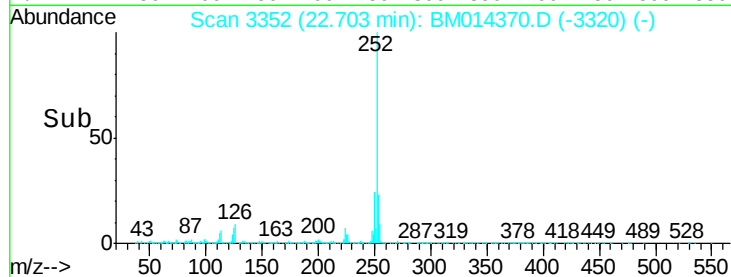
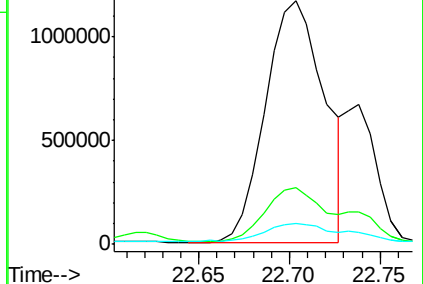
125 8.3 3.4 5.2#



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: 58.618 ng/ul

RT: 23.26 min Scan# 3446

Delta R.T. 0.03 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

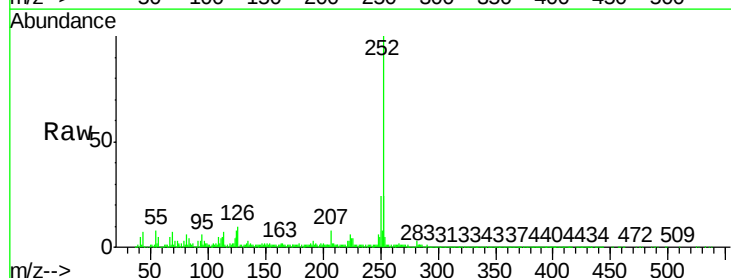
Tgt Ion:252 Resp: 1817225

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

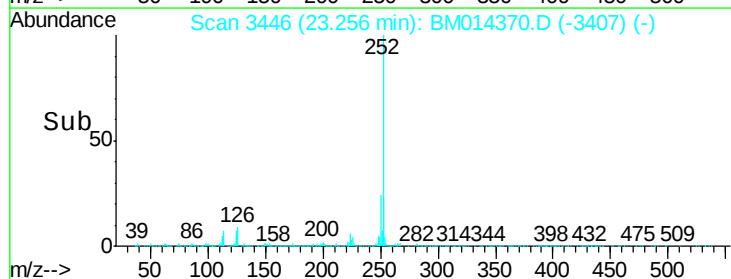
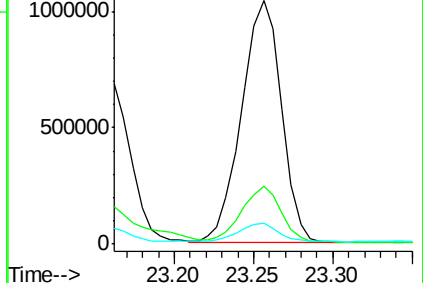
125 8.4 4.0 6.0#

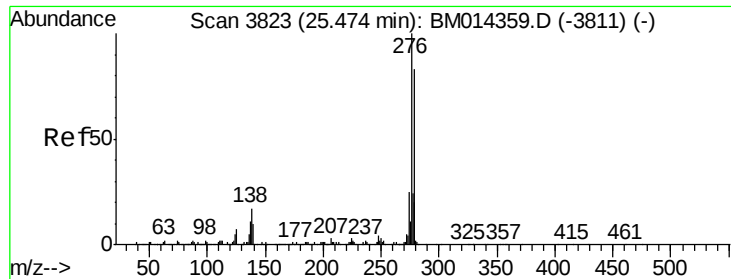


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



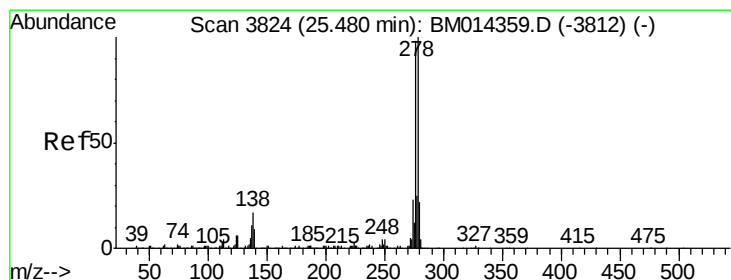
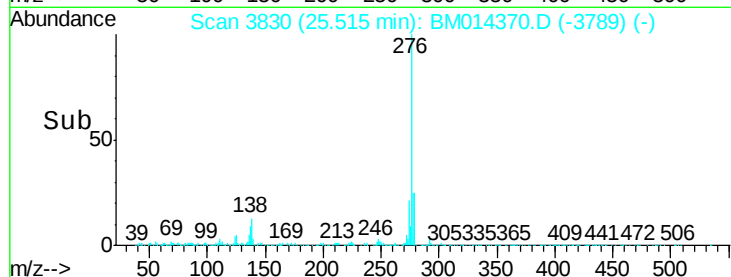
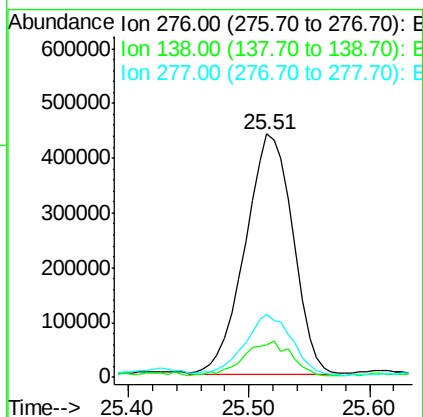
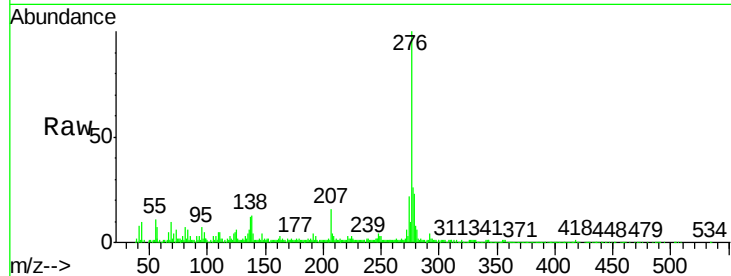


#89

Indeno(1,2,3-cd)pyrene
Concen: 40.204 ng/uL
RT: 25.51 min Scan# 3830
Delta R.T. 0.04 min
Lab File: BM014370.D
Acq: 26 Feb 2018 23:23

Instrument :
BNA_M
ClientSampleId :

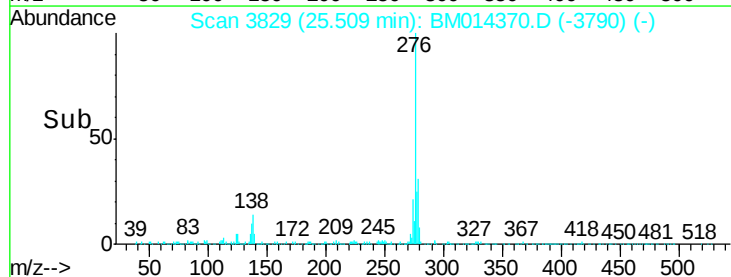
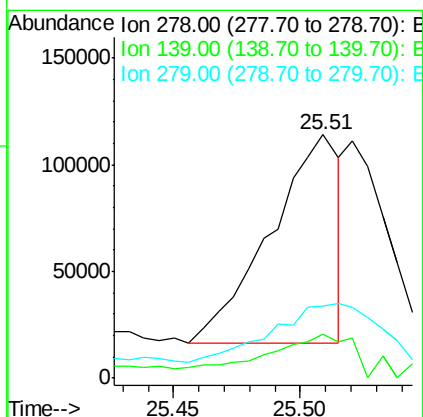
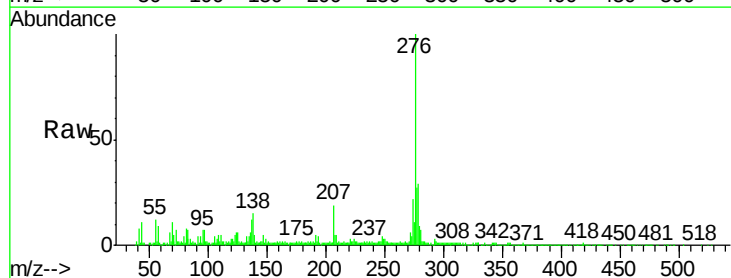
Tot Ion:276 Resp: 1209438
Ion Ratio Lower Upper
276 100
138 13.4 9.3 13.9
277 25.7 19.9 29.9

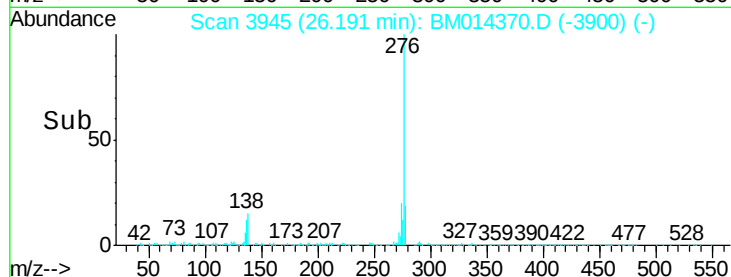
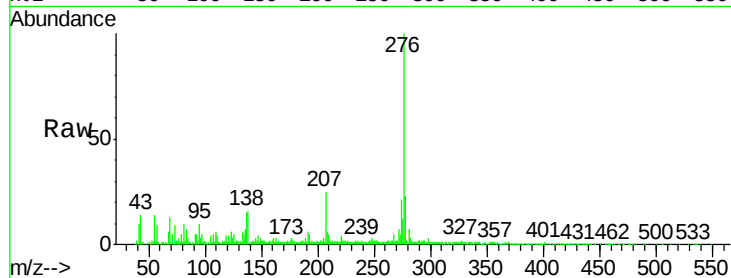
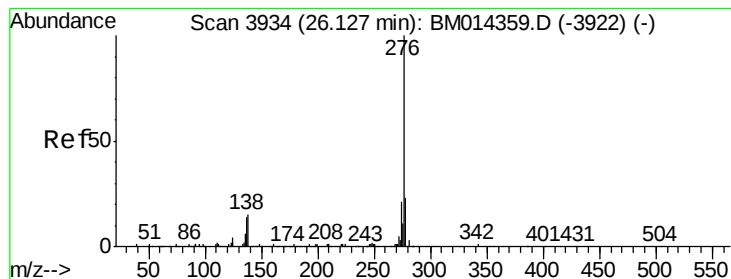


#90

Dibenzo(a,h)anthracene
Concen: 7.458 ng/uL
RT: 25.51 min Scan# 3829
Delta R.T. 0.03 min
Lab File: BM014370.D
Acq: 26 Feb 2018 23:23

Tgt Ion:278 Resp: 186422
Ion Ratio Lower Upper
278 100
139 17.9 5.8 8.8#
279 29.6 18.6 27.8#





#91

Benzo(a,h,i)perylene

Concen: 36.992 ng/ul

RT: 26.19 min Scan# 3945

Delta R.T. 0.06 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 901491

Ion Ratio Lower Upper

276 100

138 16.0 8.5 12.7#

277 23.1 18.6 28.0

