

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012818\
 Data File : BM013951.D
 Acq On : 29 Jan 2018 08:22
 Operator : SJ/JU
 Sample : J1244-10
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 29 10:07:19 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	151354	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	589792	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.25	164	510520	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.05	188	851435	20.00	ng/ul	0.06
75) Chrysene-d12	21.25	240	13528	20.00	ng/ul	0.06
83) Perylene-d12	23.39	264	809769	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	8471	2.21	ng/uL	0.00
5) Phenol-d5	6.76	99	225059	19.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	147042	20.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	192063	20.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	204535	22.90	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	111234	24.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	111621	23.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	222358	23.80	ng/ul	0.01
29) 4-Chloroaniline-d4	10.50	131	272270	33.59	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	653507	15.53	ng/ul	0.02
46) Acenaphthylene-d8	13.93	160	790348	14.73	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	55048	8.05	ng/ul	0.02
57) Fluorene-d10	15.24	176	541560	14.64	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.43	200	304	0.06	ng/ul	0.05
70) Anthracene-d10	17.14	188	933340	22.51	ng/ul	0.06
76) Pyrene-d10	19.42	212	1050738	1668.23	ng/ul	0.04
87) Benzo(a)pyrene-d12	23.26	264	902646	24.25	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.79	94	33244	2.853	ng/ul	94
30) 4-Chloroaniline	10.46	127	12873211	1601.755	ng/ul#	18
40) 1,1'-Biphenyl	13.07	154	13657989	321.399	ng/ul	96
42) 2-Nitroaniline	13.40	65	67969	7.417	ng/ul#	27
44) Dimethylphthalate	13.72	163	269260	6.509	ng/ul	99
47) Acenaphthylene	13.96	152	1060500	21.602	ng/ul#	85
49) Acenaphthene	14.25	153	662203	19.476	ng/ul#	1
53) Dibenzofuran	14.56	168	831832	16.263	ng/ul#	53
54) 2,4-Dinitrotoluene	14.66	165	88675	7.588	ng/ul#	1
58) Fluorene	15.24	166	181300	4.327	ng/ul#	5
60) 4-Nitroaniline	15.34	138	670254	90.857	ng/ul#	13
64) N-Nitrosodiphenylamine	15.55	169	271143	10.828	ng/ul#	1
68) Pentachlorophenol	16.70	266	99828	17.355	ng/ul	88
69) Phenanthrene	17.17	178	2690029	56.838	ng/ul#	92
71) Anthracene	17.17	178	2690029	55.105	ng/ul#	90
72) Carbazole	17.42	167	6327725	157.033	ng/ul	100
74) Fluoranthene	19.18	202	128740	2.279	ng/ul#	76
77) Pyrene	19.36	202	105075	127.765	ng/ul#	83
78) Butylbenzylphthalate	20.40	149	515	1.778	ng/ul#	1
79) 3,3'-Dichlorobenzidine	21.19	252	2590	11.573	ng/ul#	1
80) Benzo(a)anthracene	21.25	228	12927275	15814.527	ng/ul#	85
81) Bis(2-ethylhexyl)phthalate	21.20	149	73398	168.867	ng/ul#	78
82) Chrysene	21.25	228	12927275	17238.817	ng/ul#	89

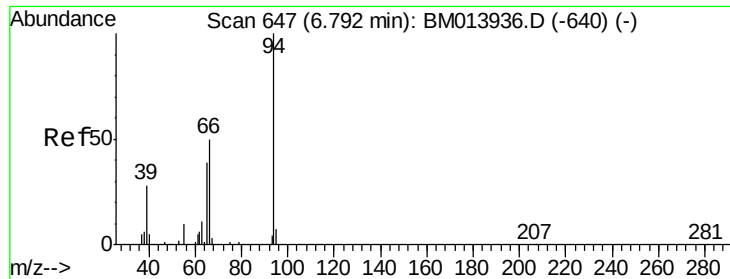
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012818\
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 04:03:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Benzo(b)fluoranthene	22.75	252	7922238	159.305	ng/ul#	99
86) Benzo(k)fluoranthene	22.75	252	7922238	164.815	ng/ul#	97
88) Benzo(a)pyrene	23.30	252	4300605	91.544	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.57	276	1201562	21.667	ng/ul	98
90) Dibenzo(a,h)anthracene	25.57	278	380085	8.116	ng/ul#	94
91) Benzo(a,h,i)perylene	26.24	276	881308	19.309	ng/ul#	96

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



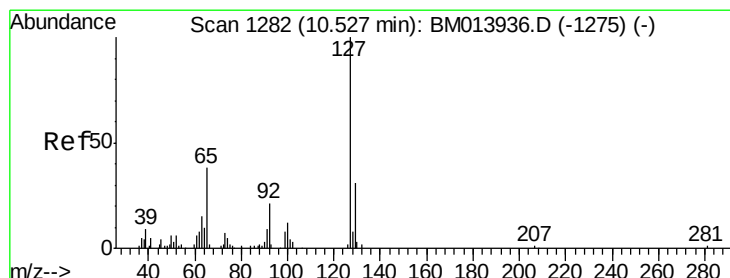
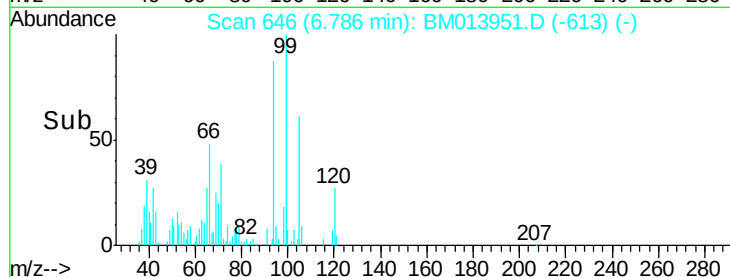
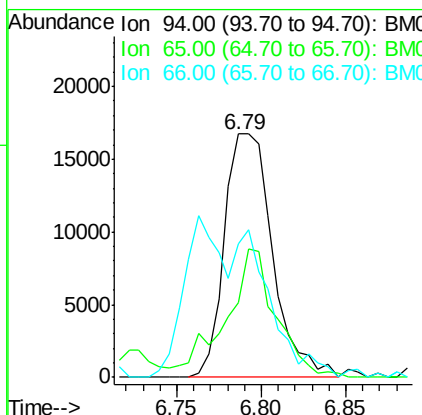
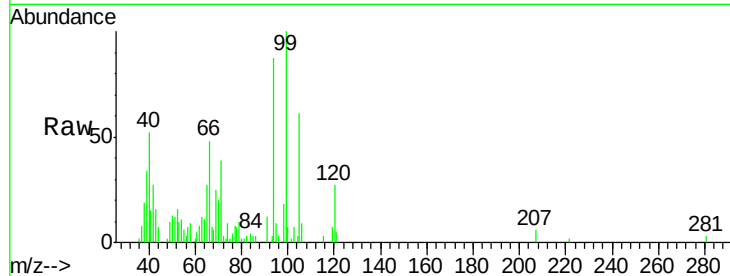
#6

Phenol

Concen: 2.853 ng/ul
 RT: 6.79 min Scan# 646
 Delta R.T. -0.01 min
 Lab File: BM013951.D
 Acq: 29 Jan 2018 08:22

Instrument :
 BNA_M
 ClientSampled :

Tot Ion: 94 Resp: 33244
 Ion Ratio Lower Upper
 94 100
 65 30.5 28.2 42.4
 66 55.0 47.2 70.8

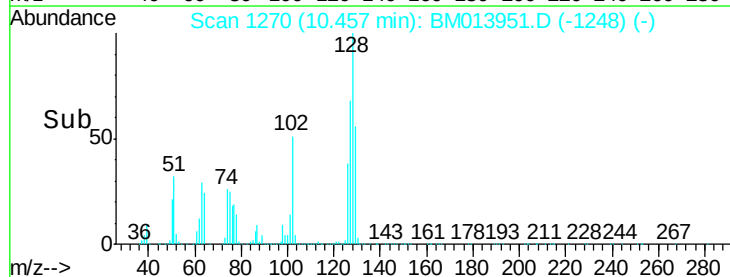
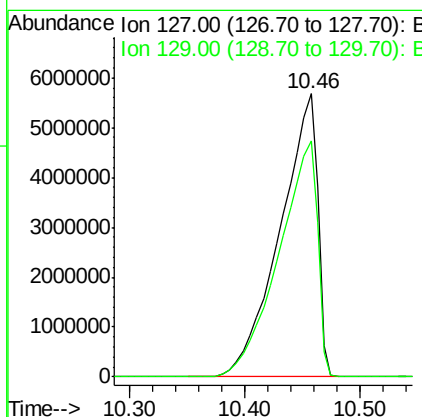
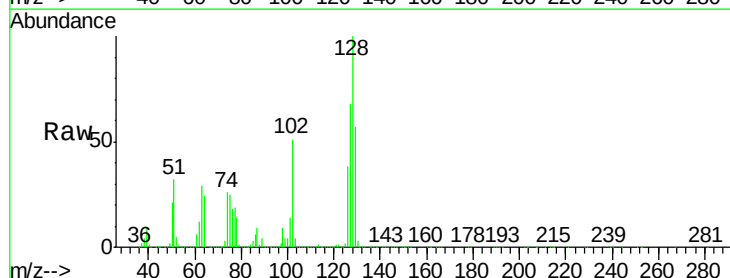


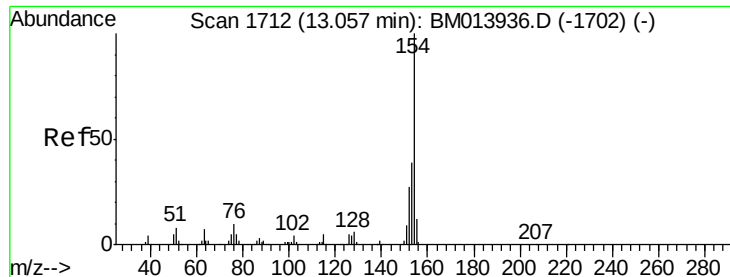
#30

4-Chloroaniline

Concen: 1601.755 ng/ul
 RT: 10.46 min Scan# 1270
 Delta R.T. -0.07 min
 Lab File: BM013951.D
 Acq: 29 Jan 2018 08:22

Tgt Ion: 127 Resp: 12873211
 Ion Ratio Lower Upper
 127 100
 129 83.5 28.4 42.6#





#40

1,1'-Biphenyl

Concen: 321.399 ng/ul

RT: 13.07 min Scan# 1714

Delta R.T. 0.01 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Instrument :

BNA_M

ClientSampleId :

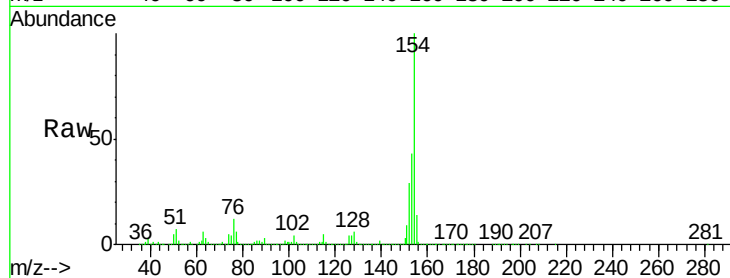
Tot Ion:154 Resp:13657989

Ion Ratio Lower Upper

154 100

153 43.3 32.6 48.8

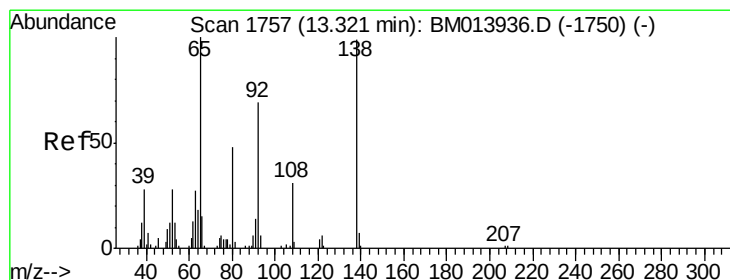
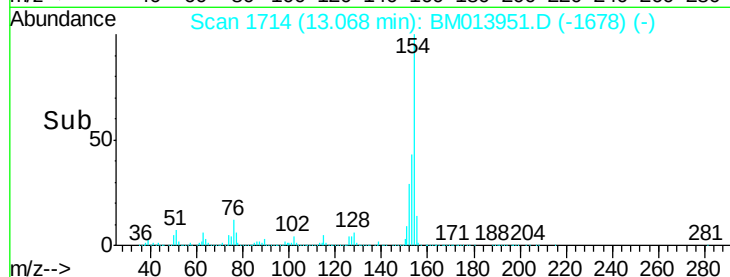
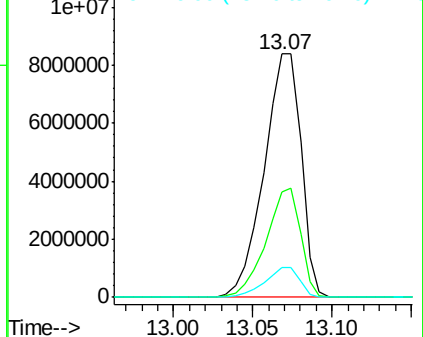
76 12.4 8.5 12.7



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



#42

2-Nitroaniline

Concen: 7.417 ng/ul

RT: 13.40 min Scan# 1770

Delta R.T. 0.08 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

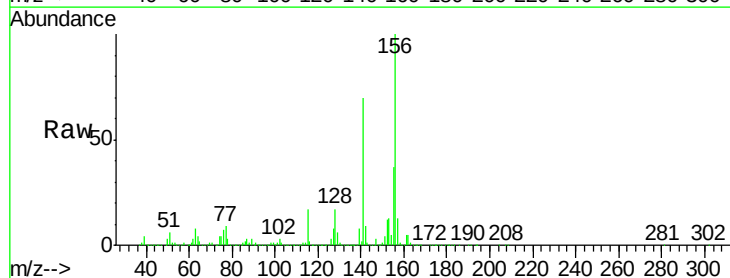
Tgt Ion: 65 Resp: 67969

Ion Ratio Lower Upper

65 100

92 5.2 51.8 77.6#

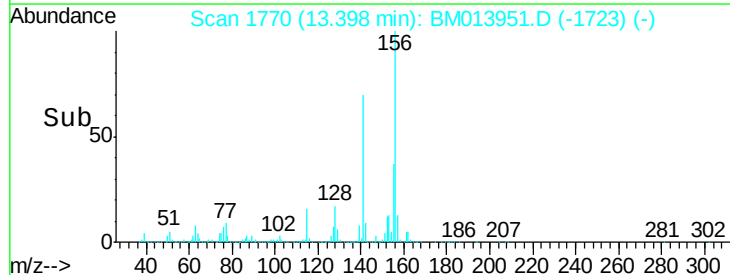
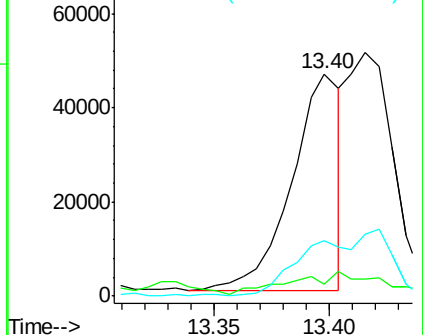
138 25.1 74.2 111.4#

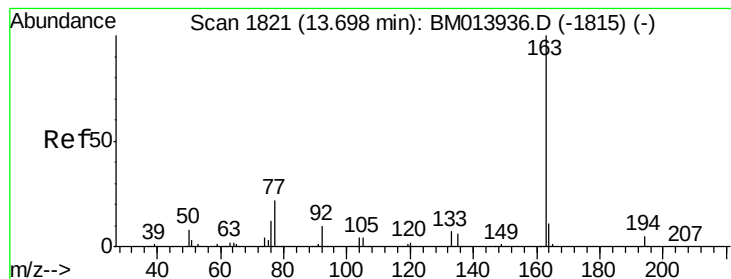


Abundance Ion 65.00 (64.70 to 65.70): BM

Ion 92.00 (91.70 to 92.70): BM

Ion 138.00 (137.70 to 138.70): E





#44

Dimethylphthalate

Concen: 6.509 ng/ul

RT: 13.72 min Scan# 1824

Delta R.T. 0.02 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Instrument :

BNA_M

ClientSampled :

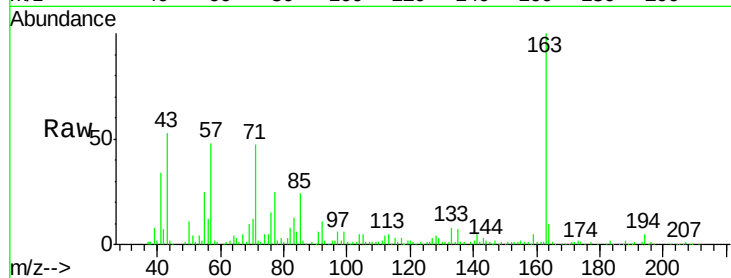
Tot Ion:163 Resp: 269260

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

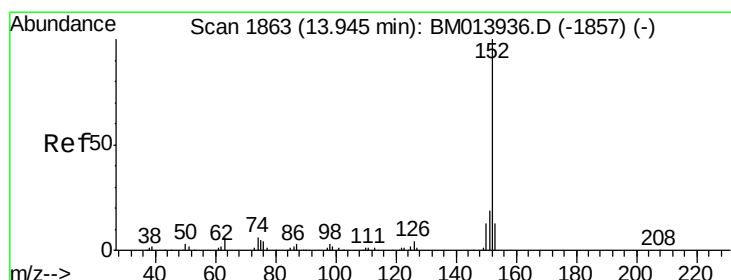
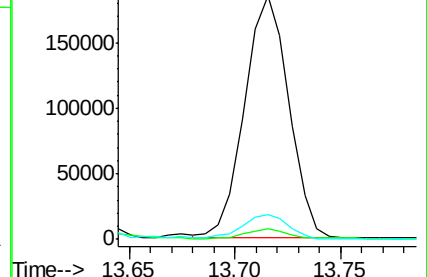
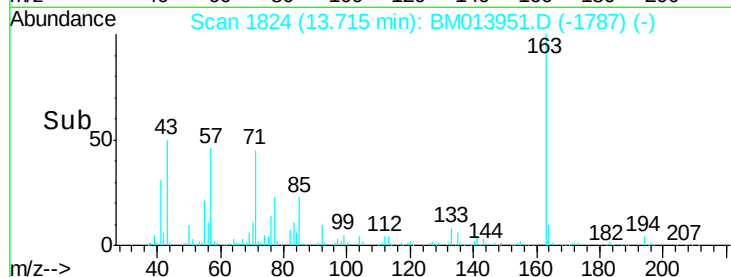
164 10.0 8.2 12.4



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: 21.602 ng/ul

RT: 13.96 min Scan# 1865

Delta R.T. 0.01 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

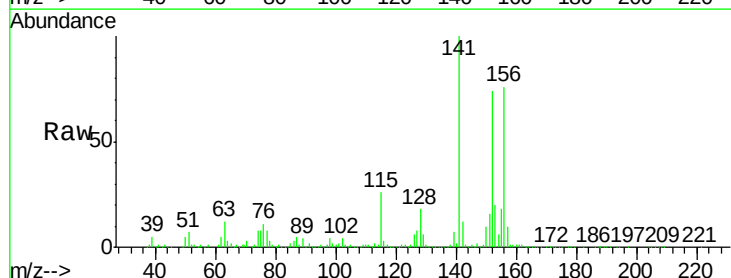
Tgt Ion:152 Resp: 1060500

Ion Ratio Lower Upper

152 100

151 21.5 16.3 24.5

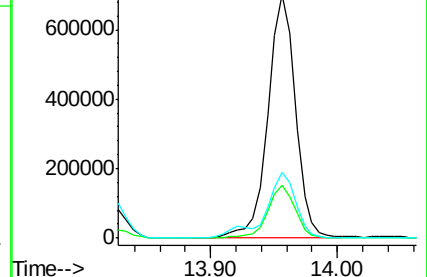
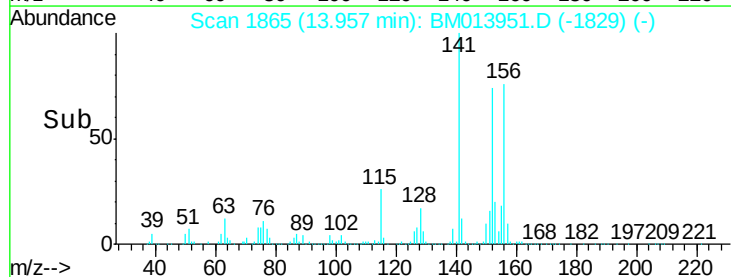
153 26.8 10.2 15.4#

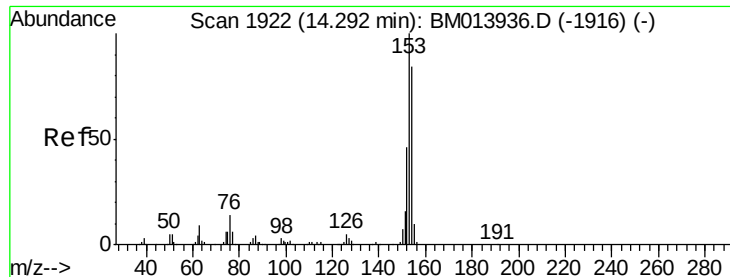


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 19.476 ng/ul

RT: 14.25 min Scan# 1915

Delta R.T. -0.04 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Instrument :

BNA_M

ClientSampleId :

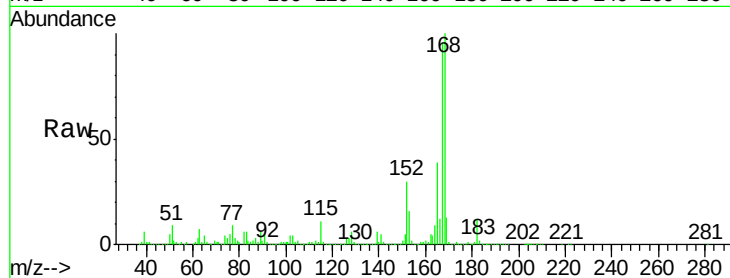
Tot Ion:153 Resp: 662203

Ion Ratio Lower Upper

153 100

152 182.3 37.6 56.4#

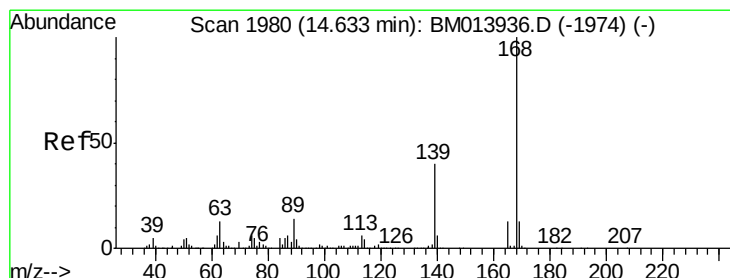
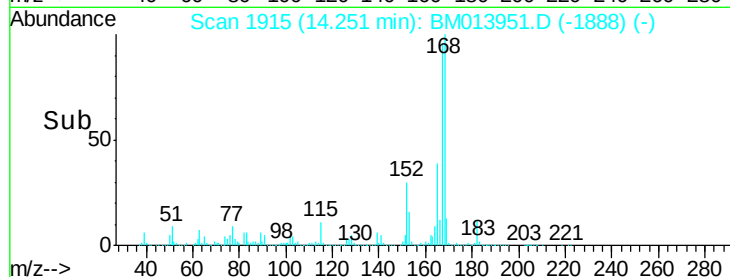
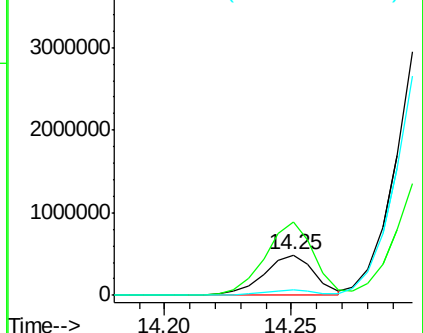
154 12.5 70.4 105.6#



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: 16.263 ng/ul

RT: 14.56 min Scan# 1967

Delta R.T. -0.08 min

Lab File: BM013951.D

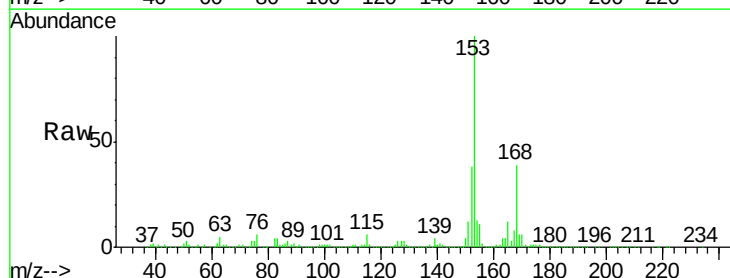
Acq: 29 Jan 2018 08:22

Tgt Ion:168 Resp: 831832

Ion Ratio Lower Upper

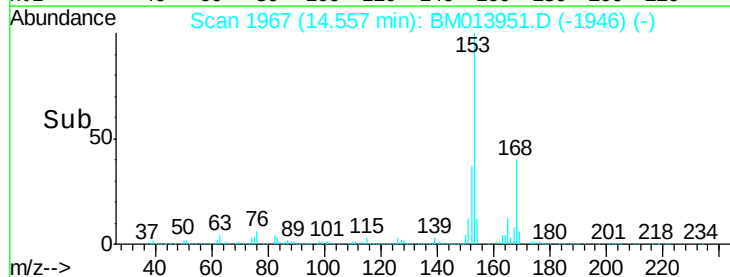
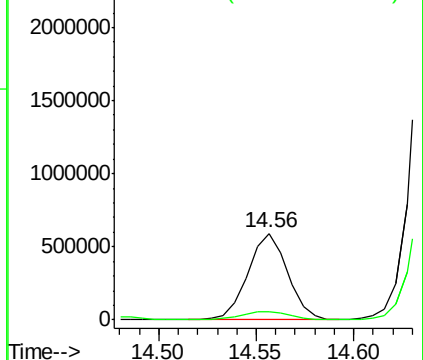
168 100

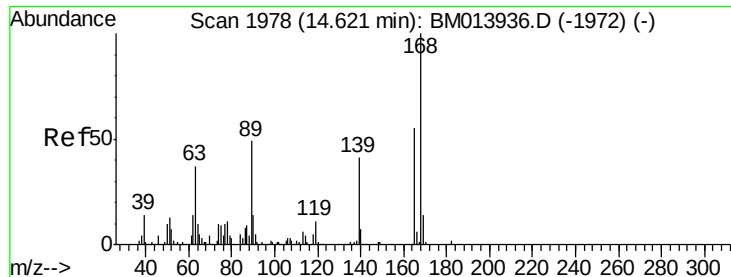
139 9.9 30.8 46.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

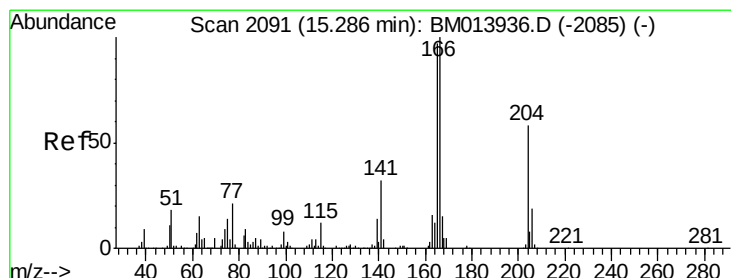
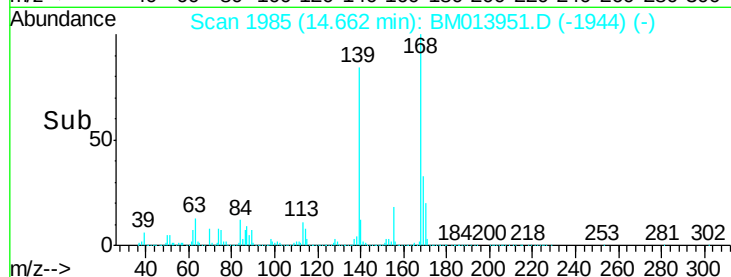
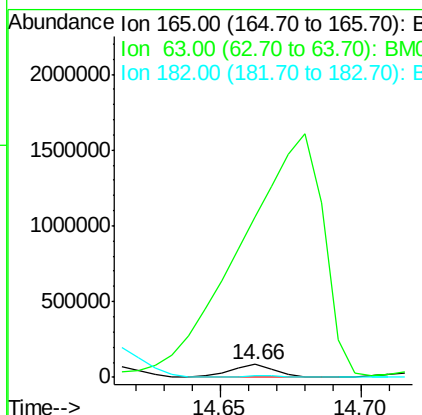
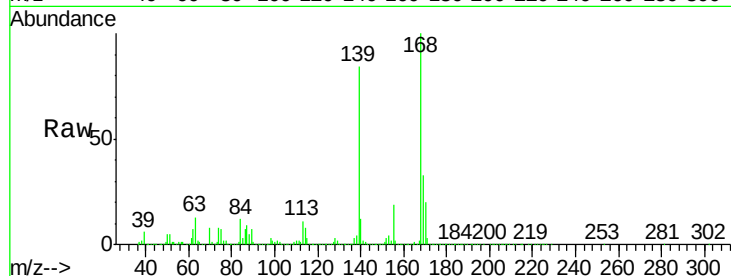




#54
 2,4-Dinitrotoluene
 Concen: 7.588 ng/ul
 RT: 14.66 min Scan# 1985
 Delta R.T. 0.04 min
 Lab File: BM013951.D
 Acq: 29 Jan 2018 08:22

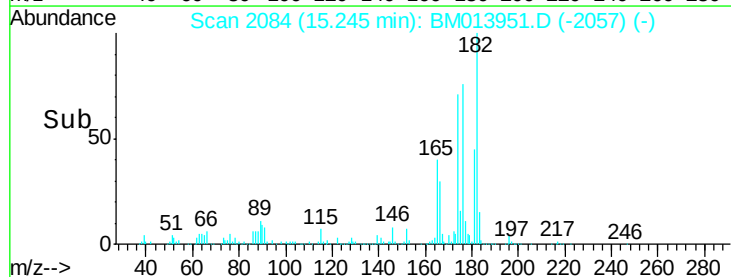
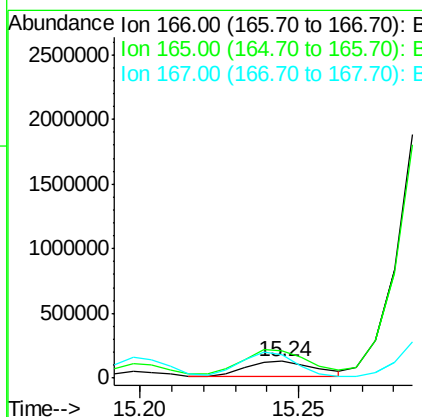
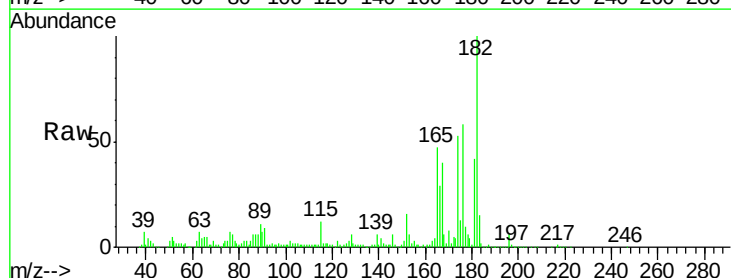
Instrument :
 BNA_M
 ClientSampleId :

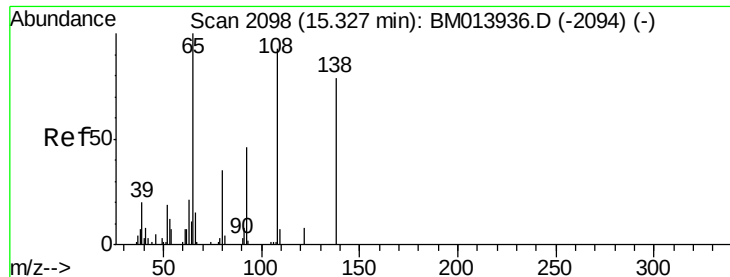
Tot Ion:165 Resp: 88675
 Ion Ratio Lower Upper
 165 100
 63 1273.6 45.8 68.8#
 182 13.1 2.6 4.0#



#58
 Fluorene
 Concen: 4.327 ng/ul
 RT: 15.24 min Scan# 2084
 Delta R.T. -0.04 min
 Lab File: BM013951.D
 Acq: 29 Jan 2018 08:22

Tgt Ion:166 Resp: 181300
 Ion Ratio Lower Upper
 166 100
 165 162.7 77.9 116.9#
 167 136.4 10.6 16.0#

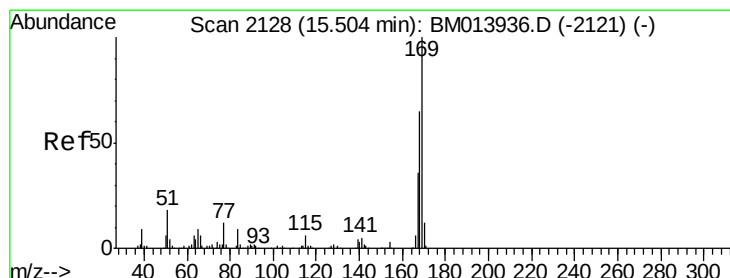
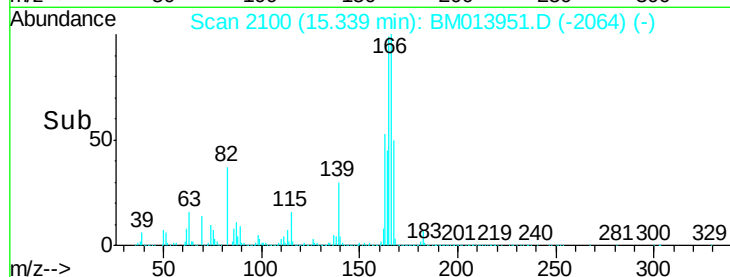
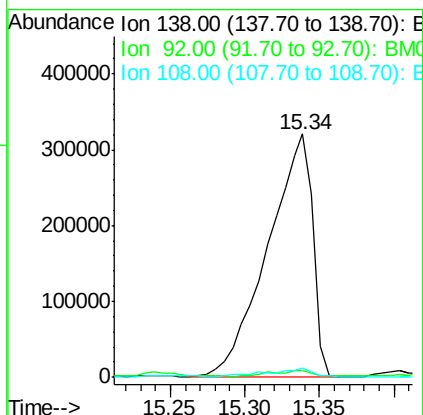
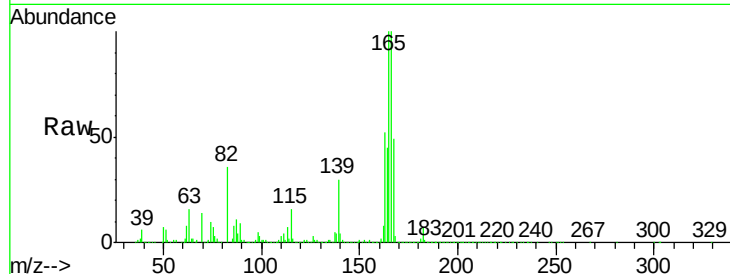




#60
4-Nitroaniline
Concen: 90.857 ng/ul
RT: 15.34 min Scan# 2100
Delta R.T. 0.01 min
Lab File: BM013951.D
Acq: 29 Jan 2018 08:22

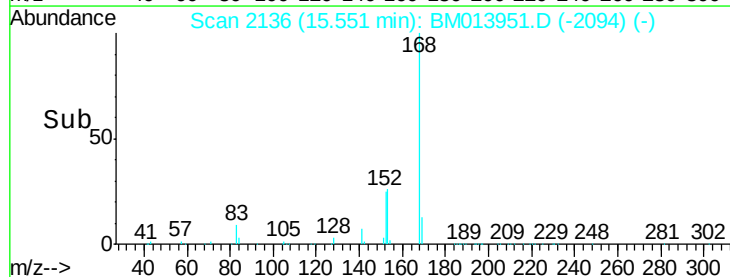
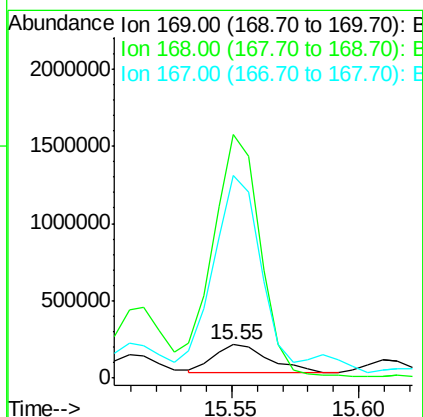
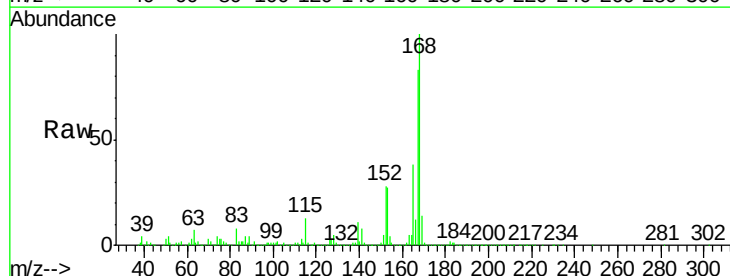
Instrument :
BNA_M
ClientSampleId :

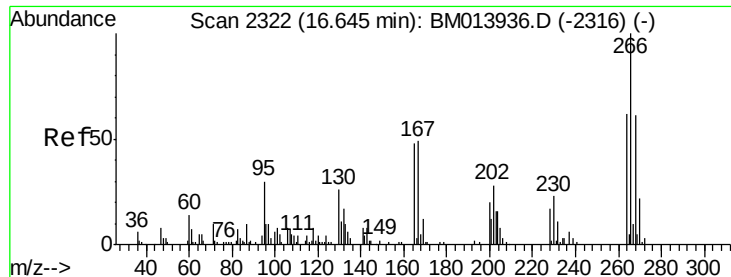
Tot Ion:138 Resp: 670254
Ion Ratio Lower Upper
138 100
92 2.6 40.0 60.0#
108 3.7 80.0 120.0#



#64
N-Nitrosodiphenylamine
Concen: 10.828 ng/ul
RT: 15.55 min Scan# 2136
Delta R.T. 0.05 min
Lab File: BM013951.D
Acq: 29 Jan 2018 08:22

Tgt Ion:169 Resp: 271143
Ion Ratio Lower Upper
169 100
168 727.4 54.0 81.0#
167 603.9 29.1 43.7#

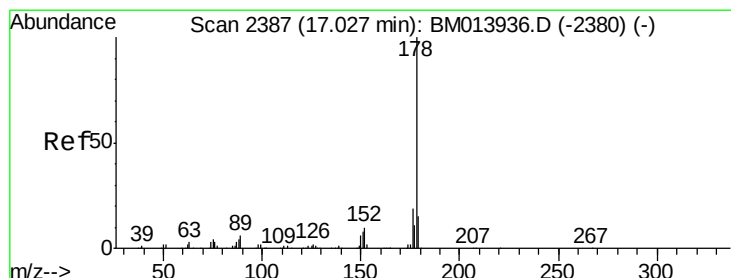
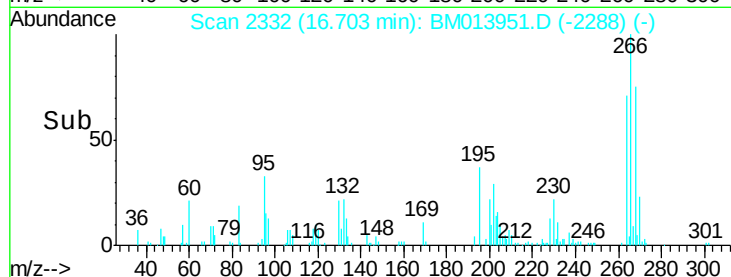
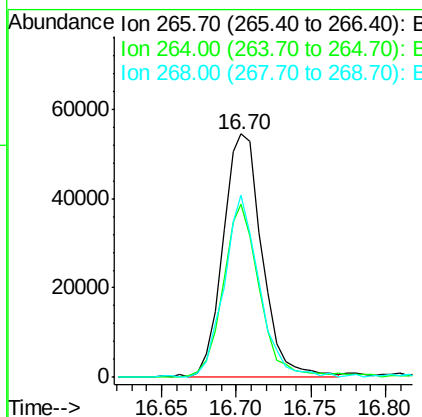
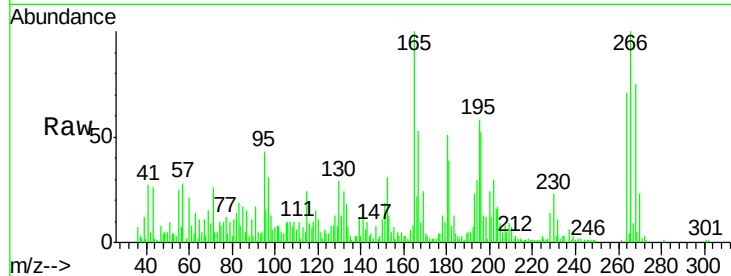




#68
 Pentachlorophenol
 Concen: 17.355 ng/ul
 RT: 16.70 min Scan# 2332
 Delta R.T. 0.06 min
 Lab File: BM013951.D
 Acq: 29 Jan 2018 08:22

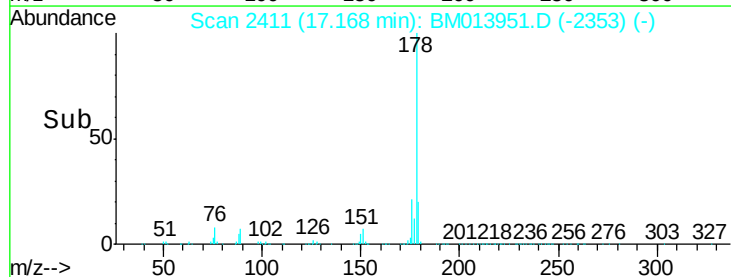
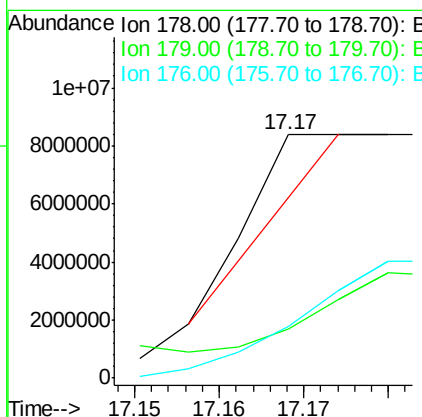
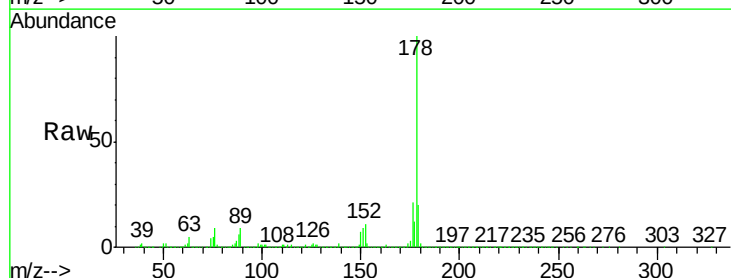
Instrument :
 BNA_M
 ClientSampleId :

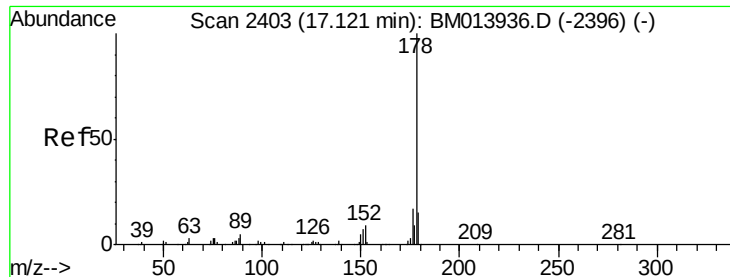
Tot Ion:266 Resp: 99828
 Ion Ratio Lower Upper
 266 100
 264 71.3 49.3 73.9
 268 74.8 52.6 78.8



#69
 Phenanthrene
 Concen: 56.838 ng/ul
 RT: 17.17 min Scan# 2411
 Delta R.T. 0.14 min
 Lab File: BM013951.D
 Acq: 29 Jan 2018 08:22

Tgt Ion:178 Resp: 2690029
 Ion Ratio Lower Upper
 178 100
 179 20.4 12.6 19.0#
 176 21.3 14.9 22.3





#71

Anthracene

Concen: 55.105 ng/ul

RT: 17.17 min Scan# 2411

Delta R.T. 0.05 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Instrument :

BNA_M

ClientSampled :

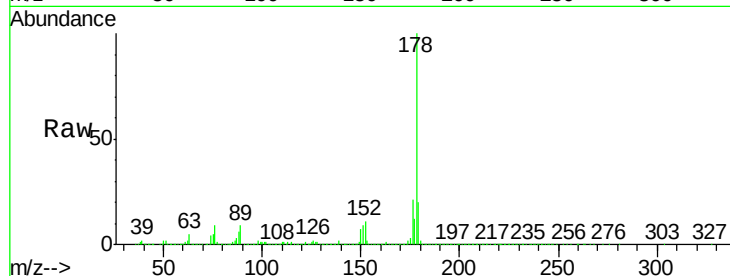
Tot Ion:178 Resp: 2690029

Ion Ratio Lower Upper

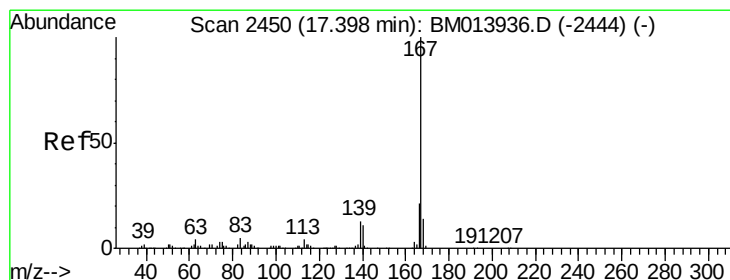
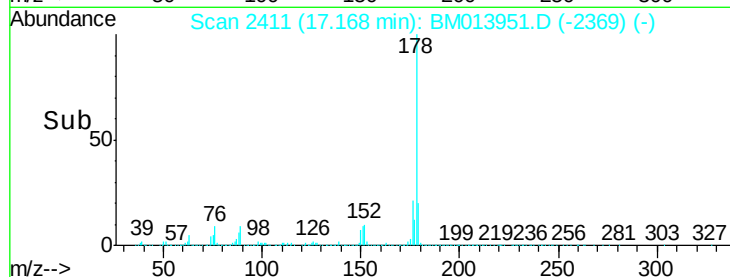
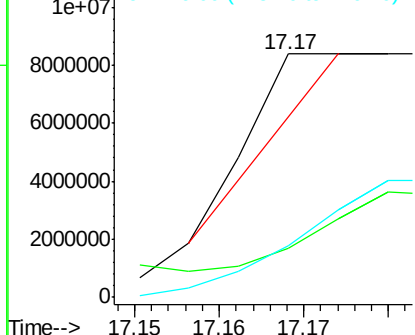
178 100

179 20.4 11.7 17.5#

176 21.3 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: 157.033 ng/ul

RT: 17.42 min Scan# 2454

Delta R.T. 0.02 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

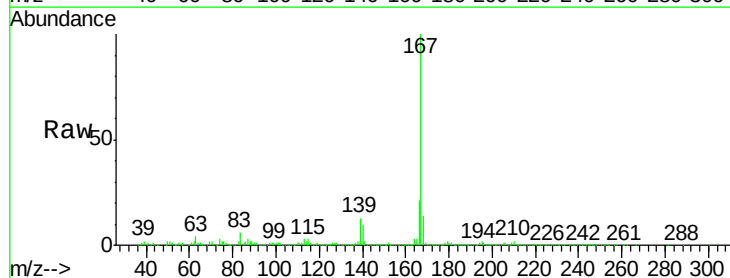
Tgt Ion:167 Resp: 6327725

Ion Ratio Lower Upper

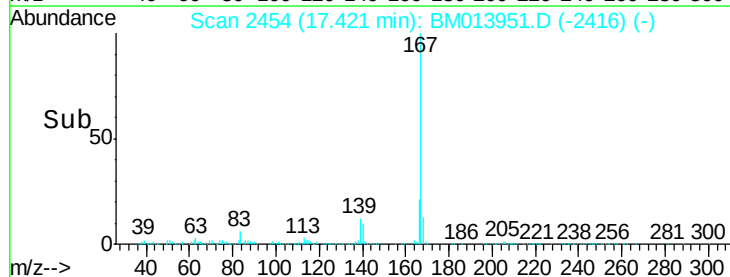
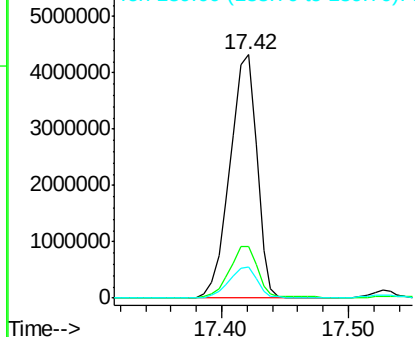
167 100

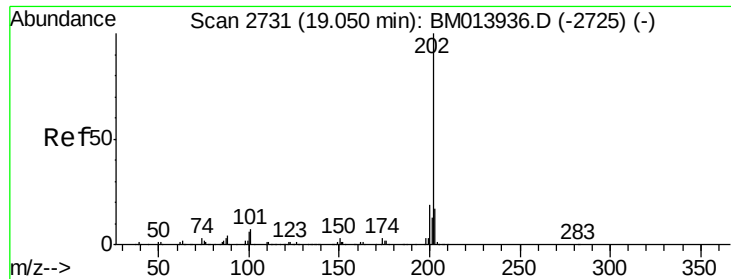
166 21.3 17.1 25.7

139 12.8 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: 2.279 ng/ul

RT: 19.18 min Scan# 2753

Delta R.T. 0.13 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Instrument :

BNA_M

ClientSampleId :

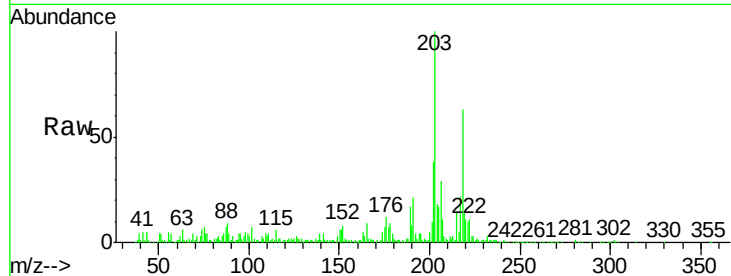
Tot Ion:202 Resp: 128740

Ion Ratio Lower Upper

202 100

101 17.7 4.6 7.0#

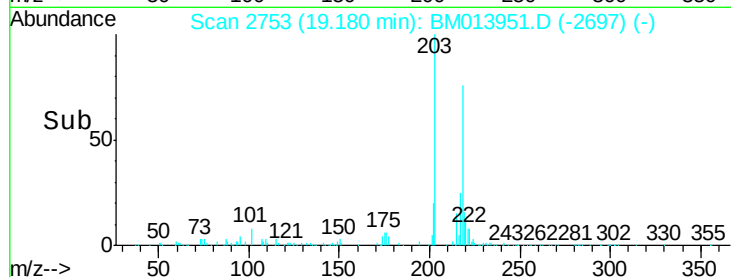
100 7.0 3.4 5.2#



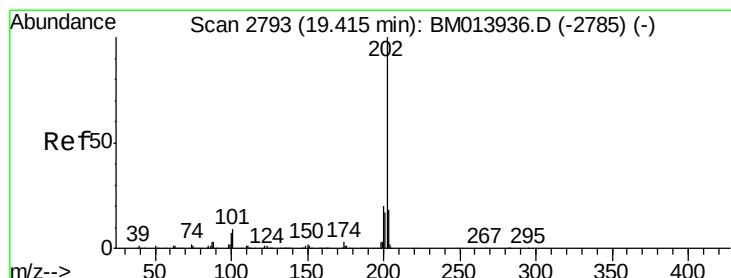
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#77

Pyrene

Concen: 127.765 ng/ul

RT: 19.36 min Scan# 2783

Delta R.T. -0.06 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

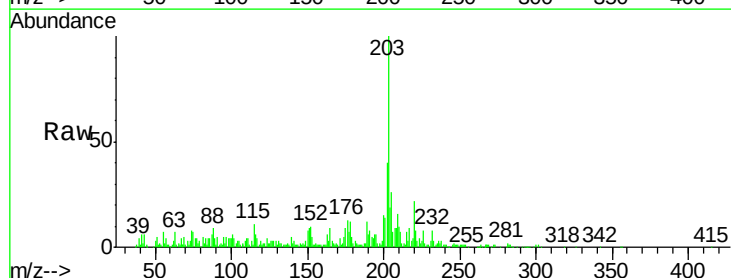
Tgt Ion:202 Resp: 105075

Ion Ratio Lower Upper

202 100

101 14.8 5.1 7.7#

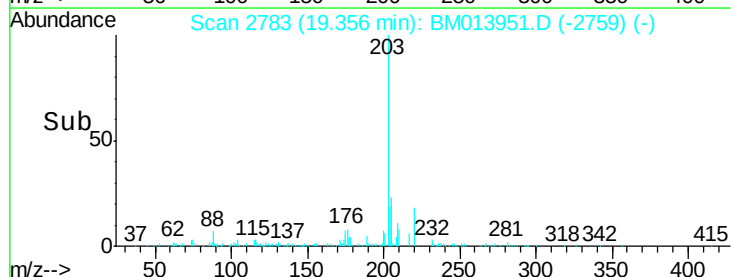
100 9.0 4.9 7.3#



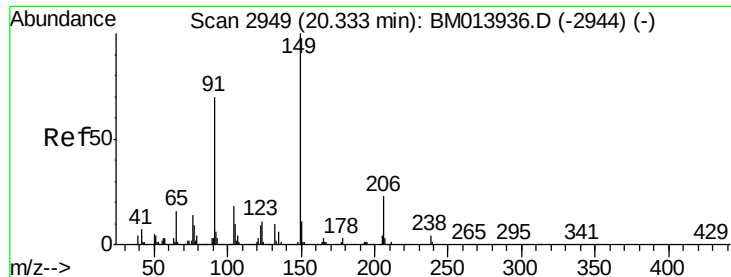
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



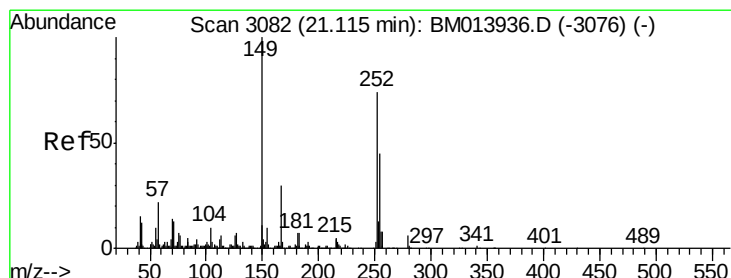
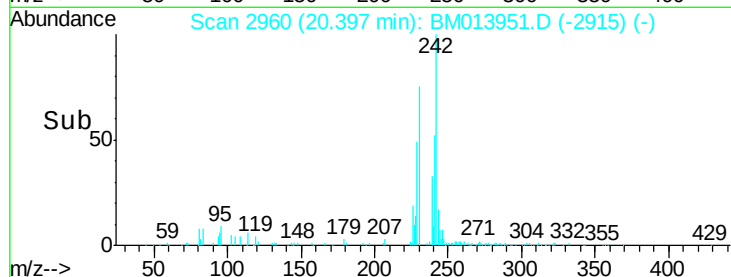
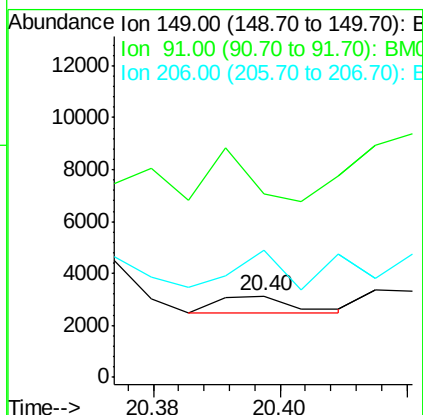
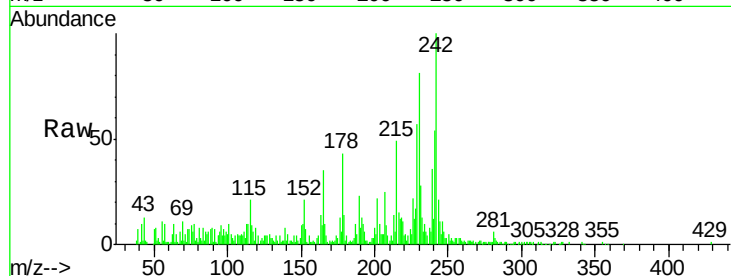
Time-->



#78
Butylbenzylphthalate
Concen: 1.778 ng/ul
RT: 20.40 min Scan# 2960
Delta R.T. 0.06 min
Lab File: BM013951.D
Acq: 29 Jan 2018 08:22

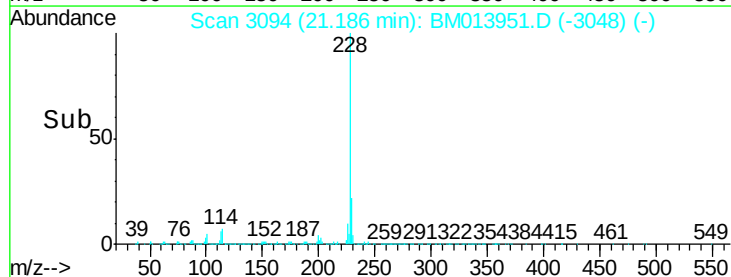
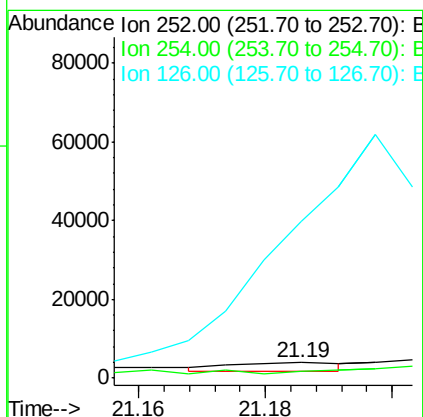
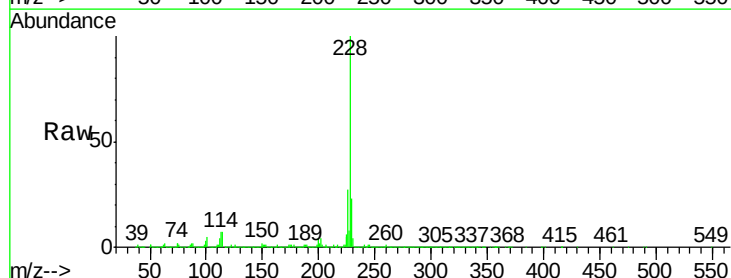
Instrument :
BNA_M
ClientSampleId :

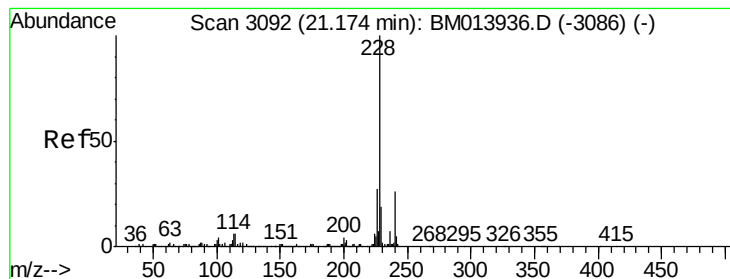
Tot Ion:149 Resp: 515
Ion Ratio Lower Upper
149 100
91 225.4 62.7 94.1#
206 156.0 20.8 31.2#



#79
3,3'-Dichlorobenzidine
Concen: 11.573 ng/ul
RT: 21.19 min Scan# 3094
Delta R.T. 0.07 min
Lab File: BM013951.D
Acq: 29 Jan 2018 08:22

Tgt Ion:252 Resp: 2590
Ion Ratio Lower Upper
252 100
254 41.0 54.5 81.7#
126 1007.6 5.8 8.8#





#80

Benzo(a)anthracene

Concen: 15814.527 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.08 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Instrument :

BNA_M

ClientSampled :

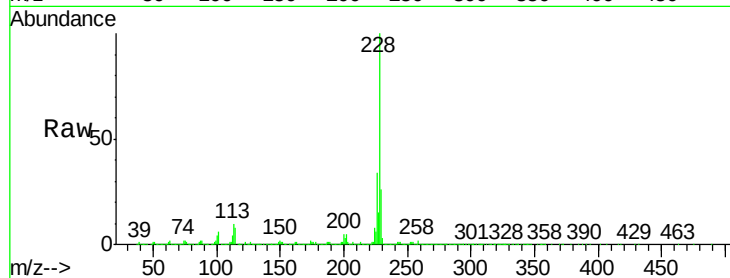
Tot Ion:228 Resp:12927275

Ion Ratio Lower Upper

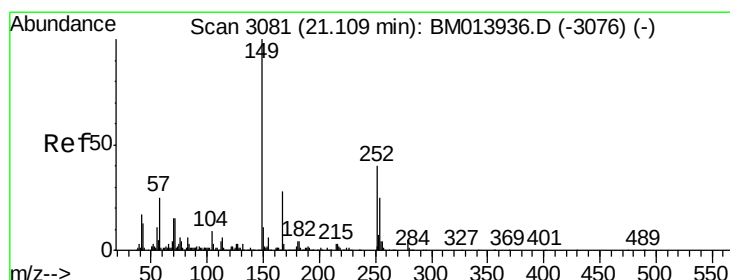
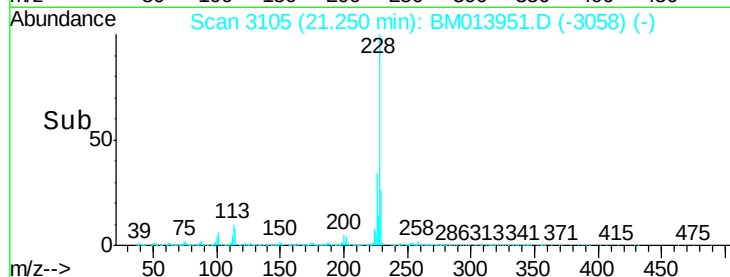
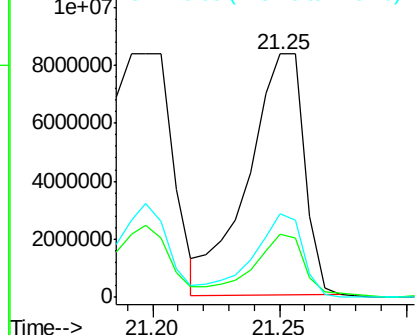
228 100

229 25.9 15.4 23.0#

226 34.3 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



#81

Bis(2-ethylhexyl)phthalate

Concen: 168.867 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.09 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

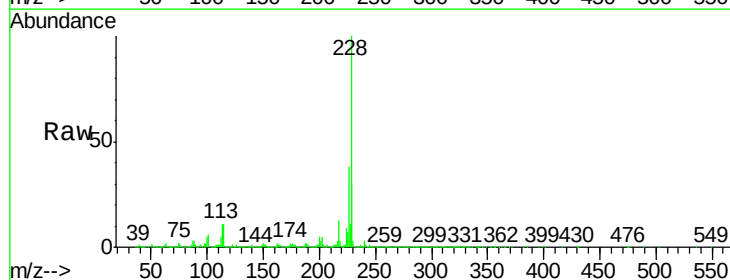
Tgt Ion:149 Resp: 73398

Ion Ratio Lower Upper

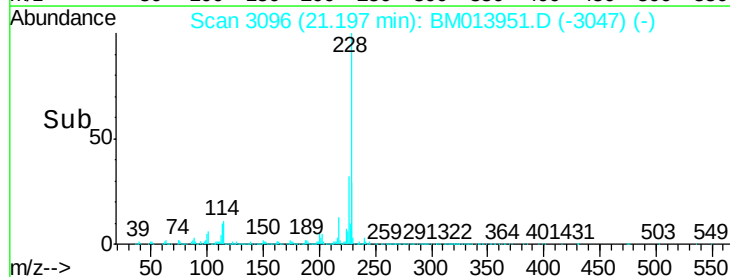
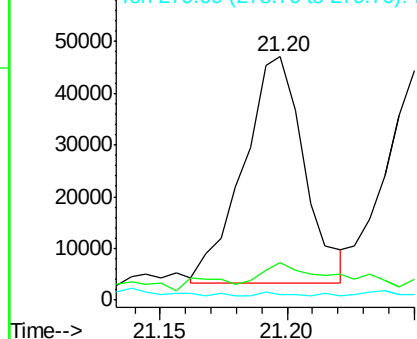
149 100

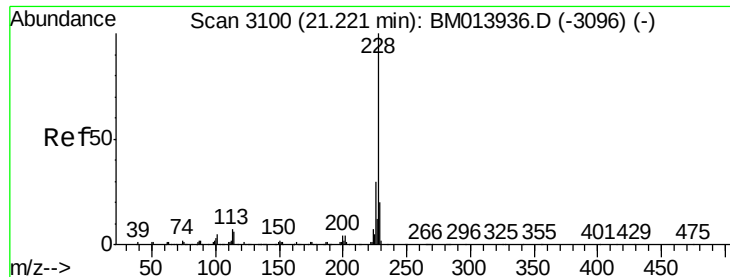
167 15.6 22.8 34.2#

279 2.4 4.9 7.3#



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





#82

Chrysene

Concen: 17238.817 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.03 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Instrument :

BNA_M

ClientSampleId :

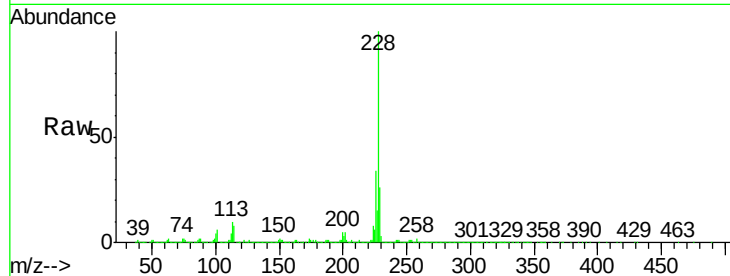
Tot Ion:228 Resp:12927275

Ion Ratio Lower Upper

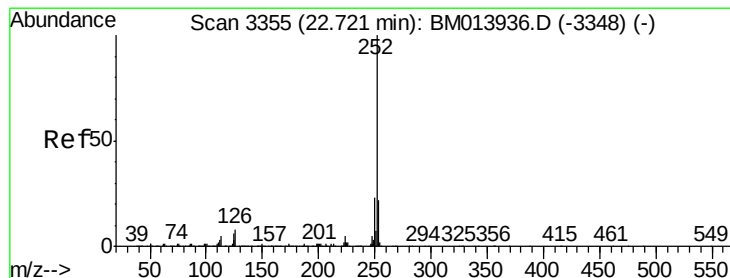
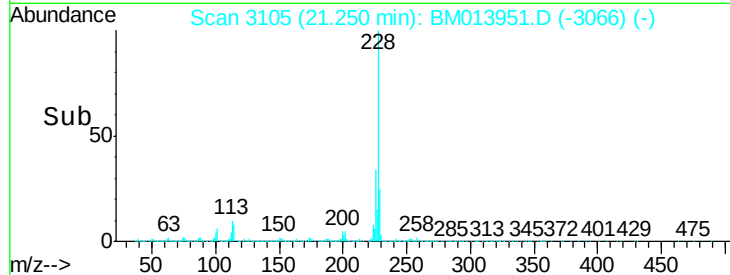
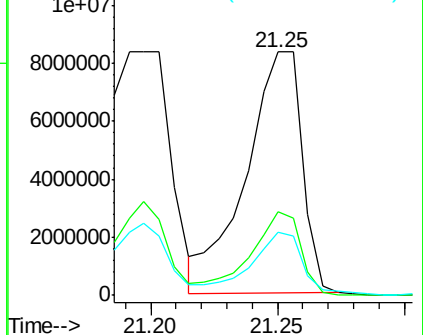
228 100

226 34.3 23.4 35.2

229 25.9 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



#85

Benzo(b)fluoranthene

Concen: 159.305 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. 0.03 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

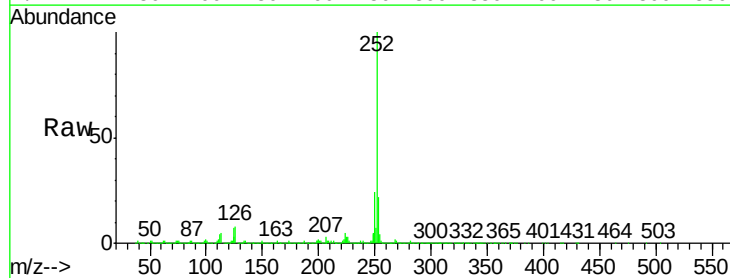
Tgt Ion:252 Resp: 7922238

Ion Ratio Lower Upper

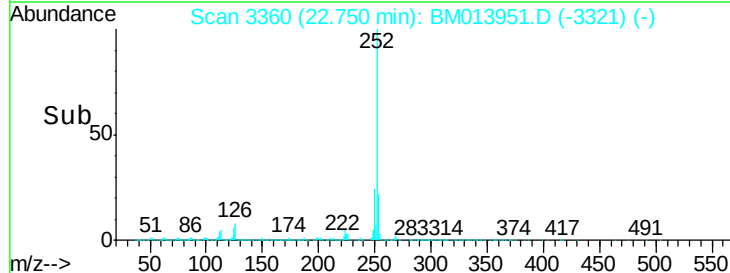
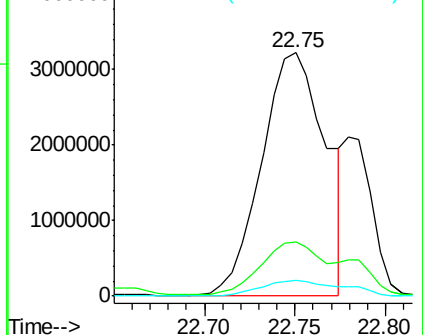
252 100

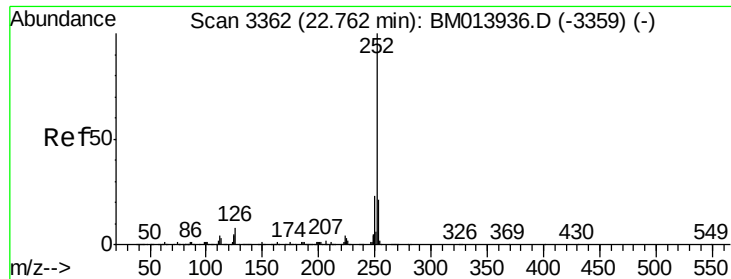
253 22.2 17.9 26.9

125 6.5 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

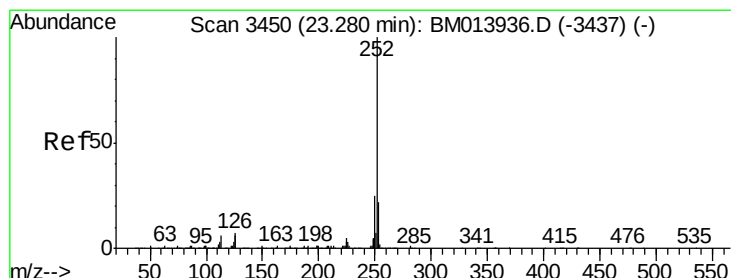
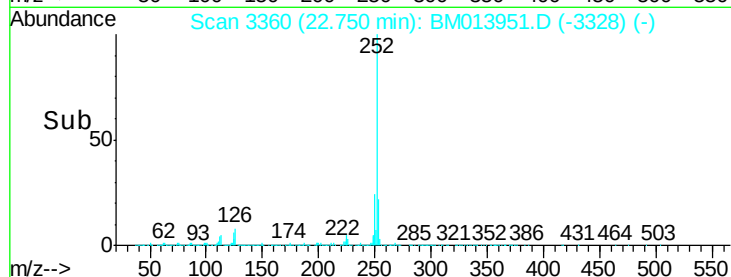
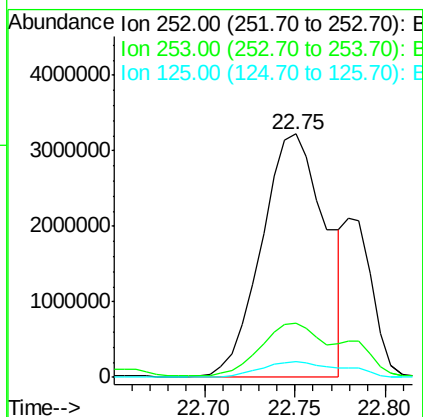
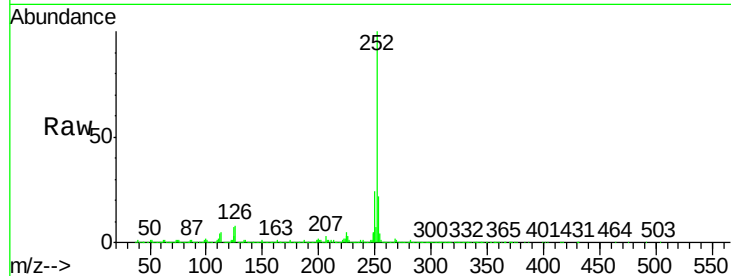




#86
Benzo(k)fluoranthene
Concen: 164.815 ng/ul
RT: 22.75 min Scan# 3360
Delta R.T. -0.01 min
Lab File: BM013951.D
Acq: 29 Jan 2018 08:22

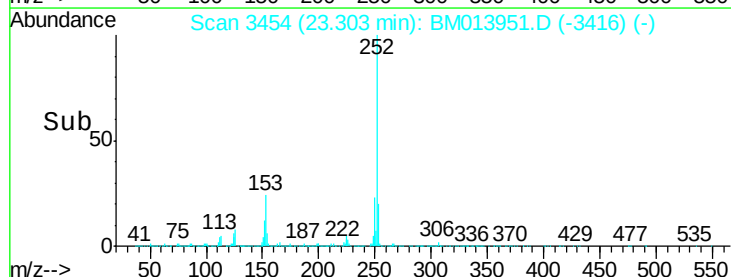
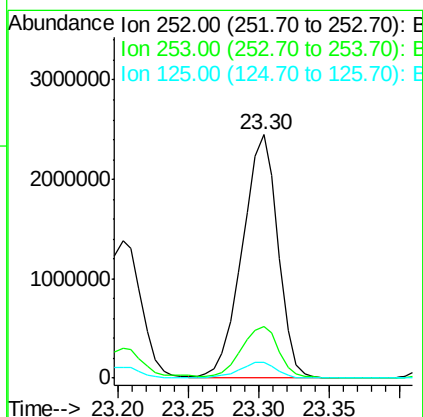
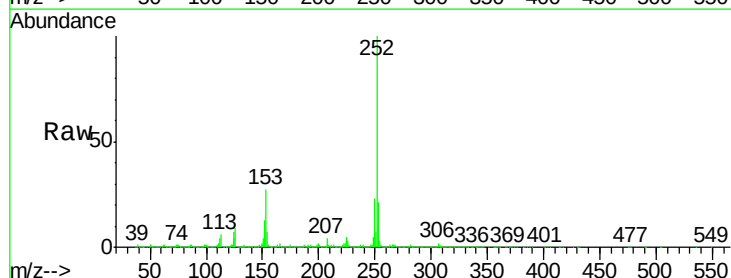
Instrument :
BNA_M
ClientSampleId :

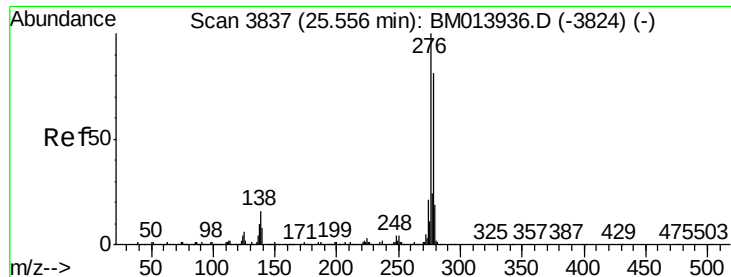
Tot Ion:252 Resp: 7922238
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 6.5 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 91.544 ng/ul
RT: 23.30 min Scan# 3454
Delta R.T. 0.02 min
Lab File: BM013951.D
Acq: 29 Jan 2018 08:22

Tgt Ion:252 Resp: 4300605
Ion Ratio Lower Upper
252 100
253 21.4 18.2 27.2
125 6.6 4.0 6.0#



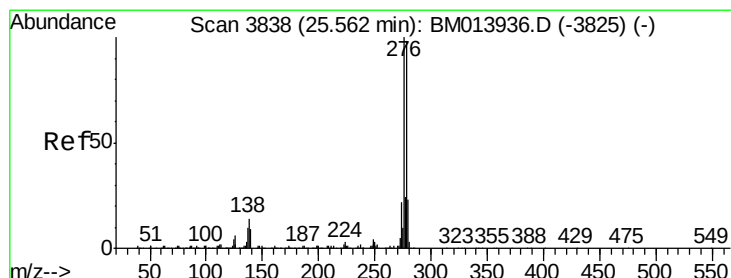
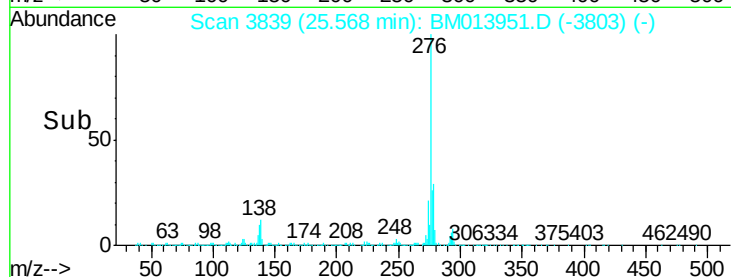
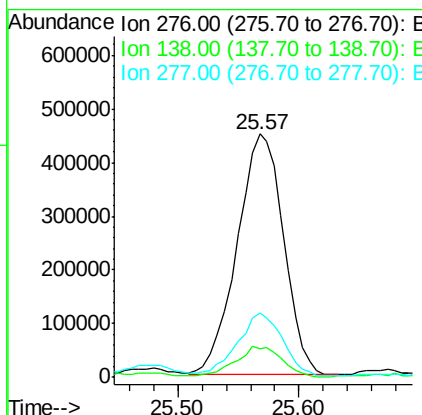
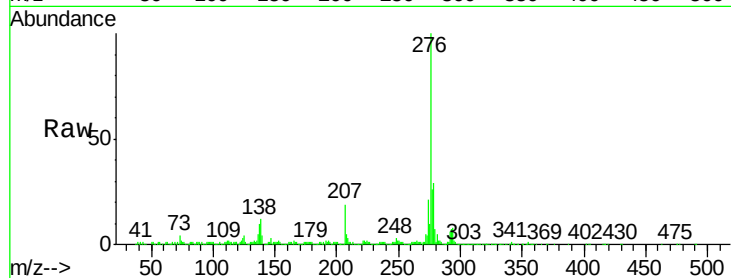


#89

Indeno(1,2,3-cd)pyrene
Concen: 21.667 ng/ul
RT: 25.57 min Scan# 3839
Delta R.T. 0.01 min
Lab File: BM013951.D
Acq: 29 Jan 2018 08:22

Instrument :
BNA_M
ClientSampleId :

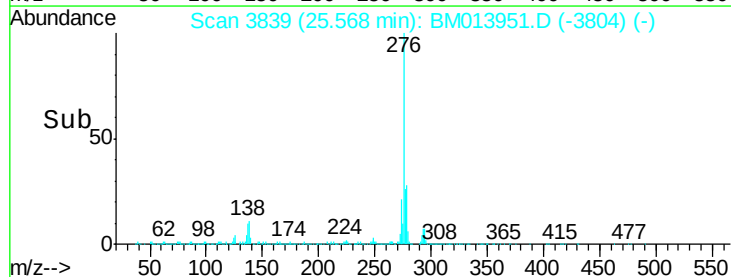
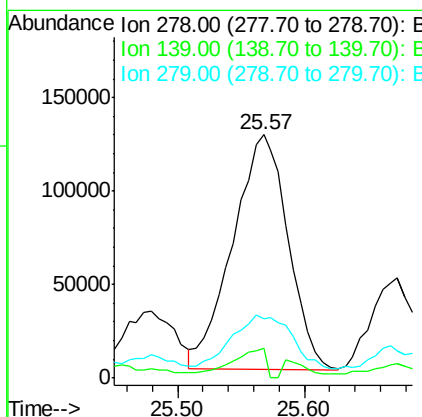
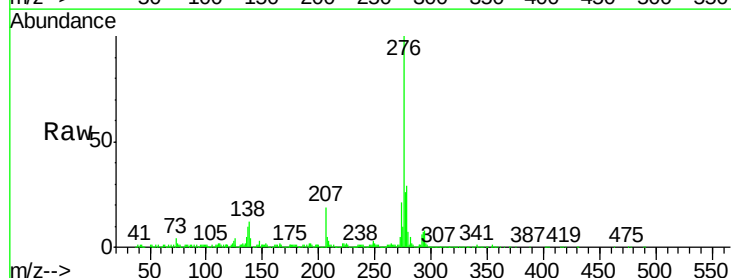
Tot Ion:276 Resp: 1201562
Ion Ratio Lower Upper
276 100
138 11.6 9.3 13.9
277 26.2 19.9 29.9

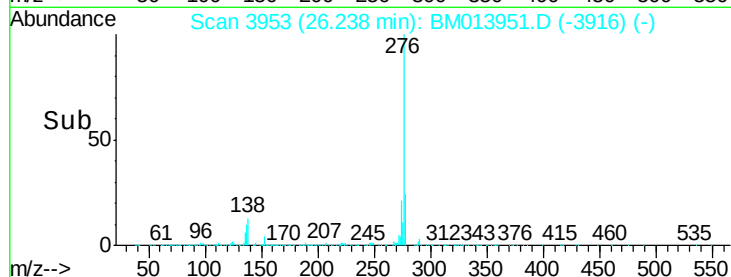
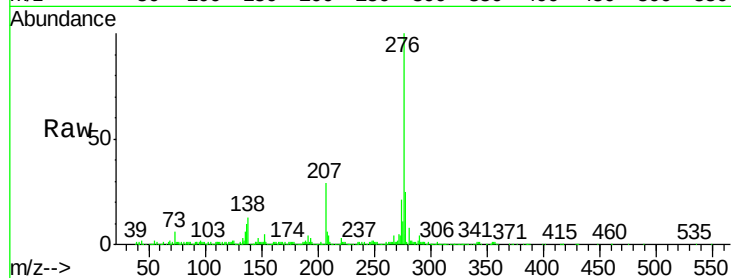
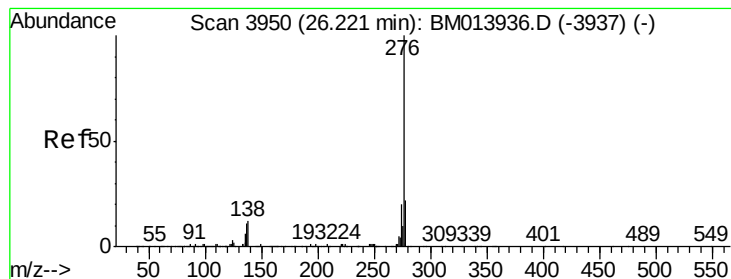


#90

Dibenzo(a,h)anthracene
Concen: 8.116 ng/ul
RT: 25.57 min Scan# 3839
Delta R.T. 0.01 min
Lab File: BM013951.D
Acq: 29 Jan 2018 08:22

Tgt Ion:278 Resp: 380085
Ion Ratio Lower Upper
278 100
139 12.3 5.8 8.8#
279 24.6 18.6 27.8





#91

Benzo(a,h,i)perylene

Concen: 19.309 ng/ul

RT: 26.24 min Scan# 3953

Delta R.T. 0.02 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 881308

Ion Ratio Lower Upper

276 100

138 12.8 8.5 12.7#

277 24.6 18.6 28.0

