

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121317\
 Data File : BM013382.D
 Acq On : 13 Dec 2017 20:11
 Operator : SJ/JU
 Sample : I6758-13ME
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 14 01:20:42 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 14 01:15:39 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	117179	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	528538	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	335678	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	828850	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1160279	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	1167361	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	7810	3.30	ng/uL	0.00
5) Phenol-d5	6.86	99	183382	18.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	115672	20.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	153024	19.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	161752	18.68	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	88478	21.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	90540	20.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	164438	17.79	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	226464	26.65	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	590335	19.76	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	732573	19.87	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	79626	15.34	ng/ul	0.00
57) Fluorene-d10	15.32	176	526582	20.50	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	67640	12.97	ng/ul	0.00
70) Anthracene-d10	17.17	188	870411	20.97	ng/ul	0.00
76) Pyrene-d10	19.47	212	1076643	18.63	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.35	264	1152733	19.39	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.89	94	10355	1.033	ng/ul	91
28) Naphthalene	10.52	128	13653999	502.121	ng/ul	100
30) 4-Chloroaniline	10.52	127	1790319	217.655	ng/ul#	18
34) 2-Methylnaphthalene	12.13	142	2841118	138.988	ng/ul	96
40) 1,1'-Biphenyl	13.15	154	750606	26.458	ng/ul	98
44) Dimethylphthalate	13.79	163	72822	2.549	ng/ul	99
47) Acenaphthylene	14.04	152	368568	10.804	ng/ul#	95
49) Acenaphthene	14.39	153	2621336	112.805	ng/ul	99
53) Dibenzofuran	14.73	168	3015068	87.889	ng/ul	100
54) 2,4-Dinitrotoluene	14.69	165	9254	1.092	ng/ul#	29
56) Diethylphthalate	15.16	149	84924	2.964	ng/ul	97
58) Fluorene	15.38	166	3266081	115.085	ng/ul	100
60) 4-Nitroaniline	15.38	138	39032	6.352	ng/ul#	13
64) N-Nitrosodiphenylamine	15.59	169	25049	1.026	ng/ul#	1
69) Phenanthrene	17.21	178	2166236	46.003	ng/ul	99
71) Anthracene	17.21	178	2166236	45.006	ng/ul	98
72) Carbazole	17.48	167	910259	21.987	ng/ul	99
74) Fluoranthene	19.14	202	8494629	147.206	ng/ul#	92
77) Pyrene	19.50	202	5391063	76.480	ng/ul#	92
80) Benzo(a)anthracene	21.25	228	1899128	25.797	ng/ul	98
82) Chrysene	21.30	228	1504029	22.022	ng/ul	98
85) Benzo(b)fluoranthene	22.83	252	1364906	17.345	ng/ul#	98
86) Benzo(k)fluoranthene	22.83	252	1364906	18.431	ng/ul#	97

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 14 01:15:39 2017
Response via : Initial Calibration

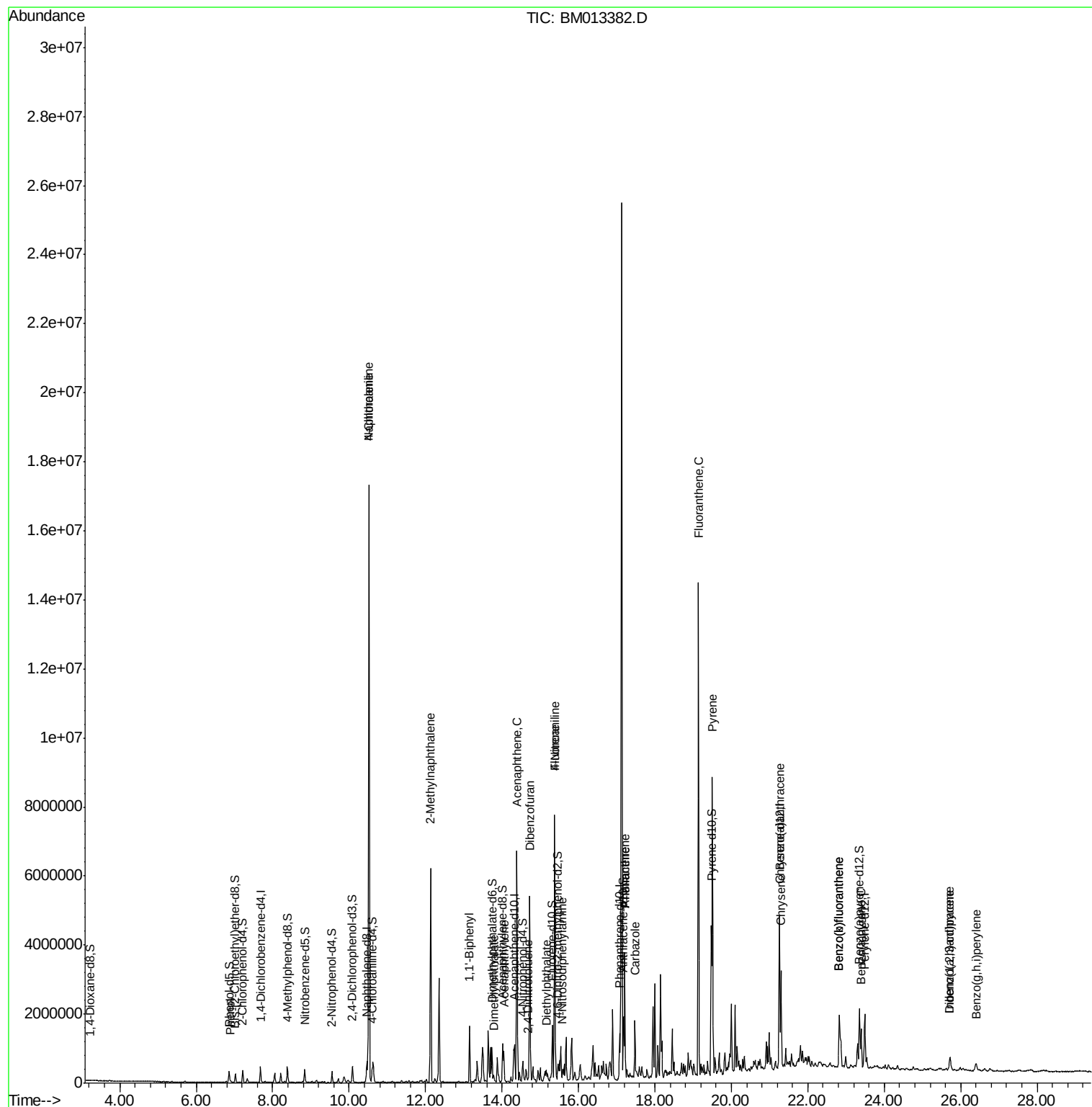
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	23.39	252	795984	11.260	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.72	276	362865	5.173	ng/ul#	97
90) Dibenzo(a,h)anthracene	25.72	278	110500	1.850	ng/ul#	91
91) Benzo(g,h,i)perylene	26.40	276	254805	4.606	ng/ul#	94

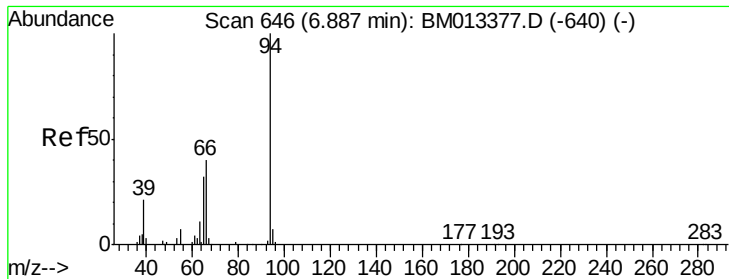
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.033 ng/ul

RT: 6.89 min Scan# 646

Delta R.T. -0.00 min

Lab File: BM013382.D

Acq: 13 Dec 2017 20:11

Instrument :

BNA_M

ClientSampleId :

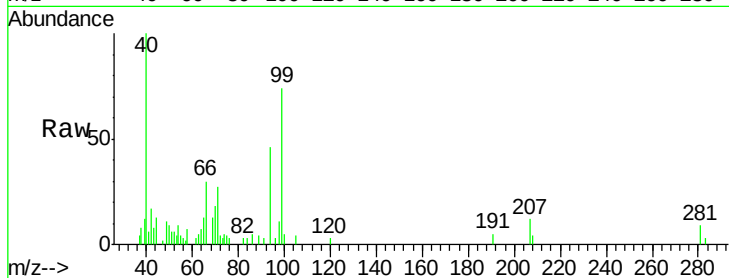
Tot Ion: 94 Resp: 10355

Ion Ratio Lower Upper

94 100

65 29.2 28.2 42.4

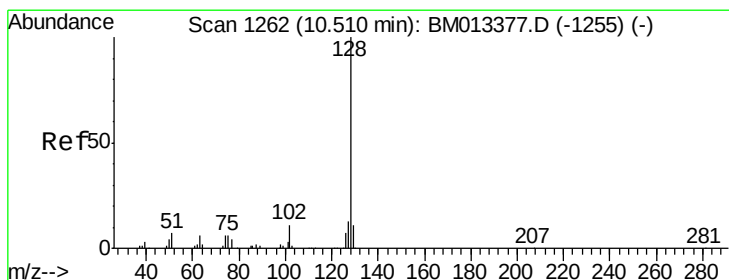
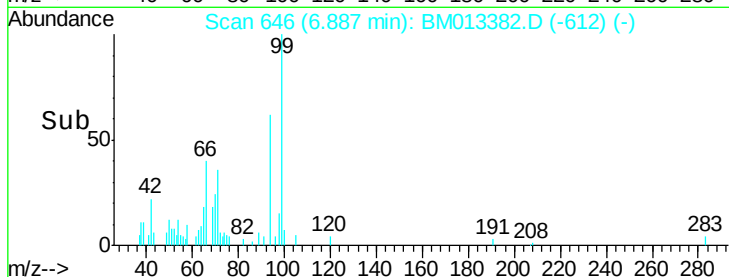
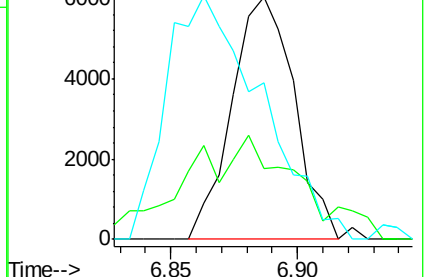
66 64.7 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM013377.D (-640) (-)

Ion 65.00 (64.70 to 65.70): BM013377.D (-640) (-)

Ion 66.00 (65.70 to 66.70): BM013377.D (-640) (-)



#28

Naphthalene

Concen: 502.121 ng/ul

RT: 10.52 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BM013382.D

Acq: 13 Dec 2017 20:11

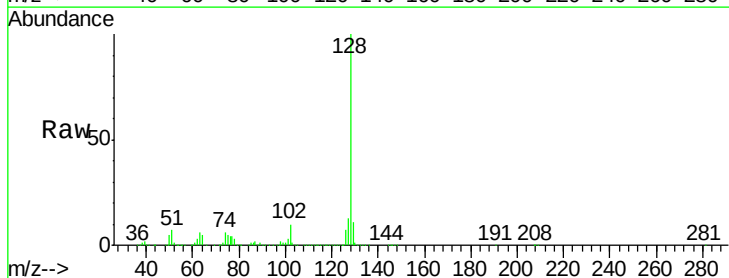
Tgt Ion:128 Resp:13653999

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

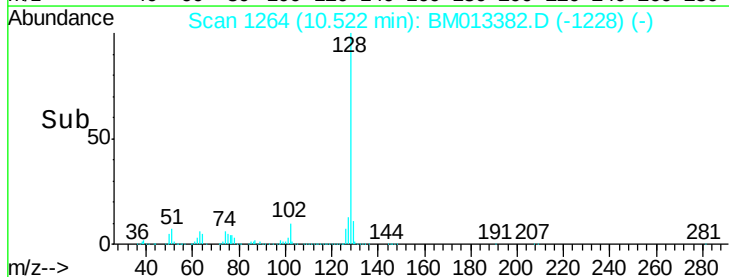
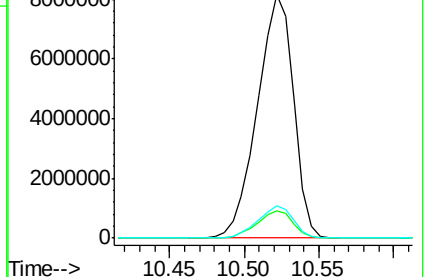
127 13.5 10.6 16.0

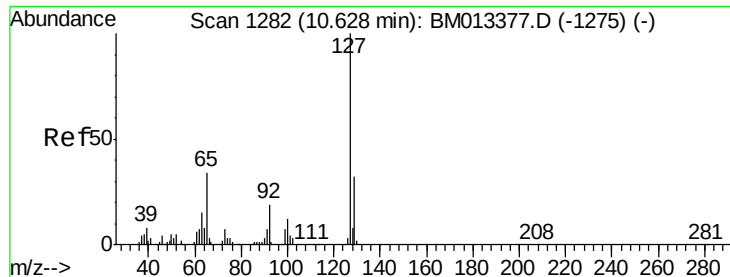


Abundance Ion 128.00 (127.70 to 128.70): BM013377.D (-1255) (-)

Ion 129.00 (128.70 to 129.70): BM013377.D (-1255) (-)

Ion 127.00 (126.70 to 127.70): BM013377.D (-1255) (-)

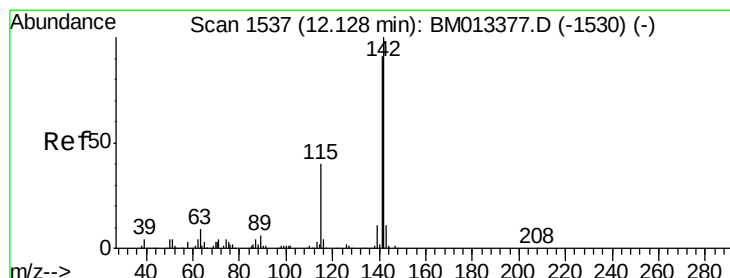
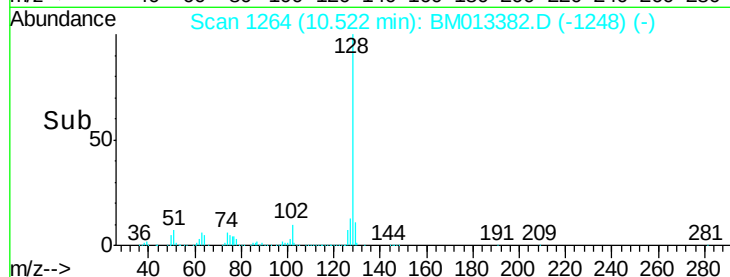
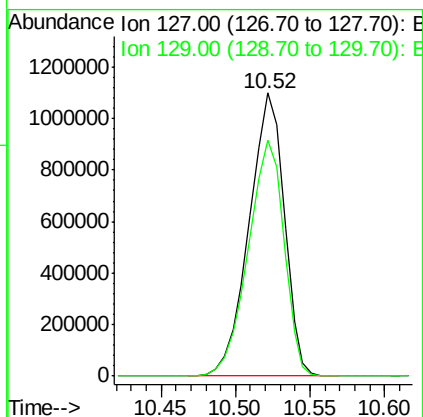
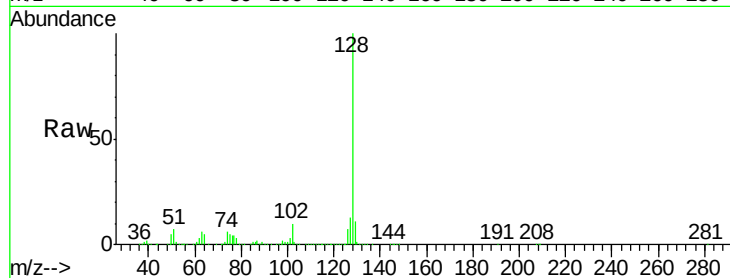




#30
 4-Chloroaniline
 Concen: 217.655 ng/ul
 RT: 10.52 min Scan# 1264
 Delta R.T. -0.11 min
 Lab File: BM013382.D
 Acq: 13 Dec 2017 20:11

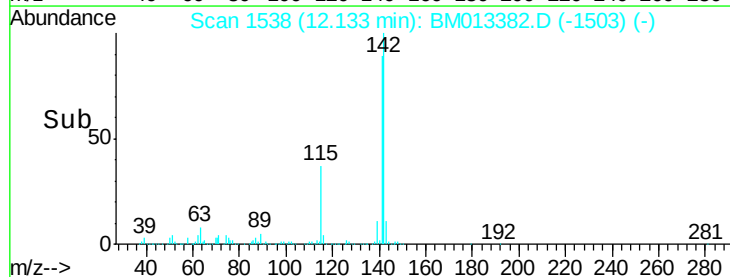
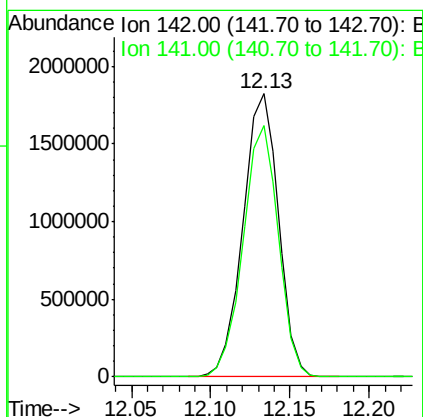
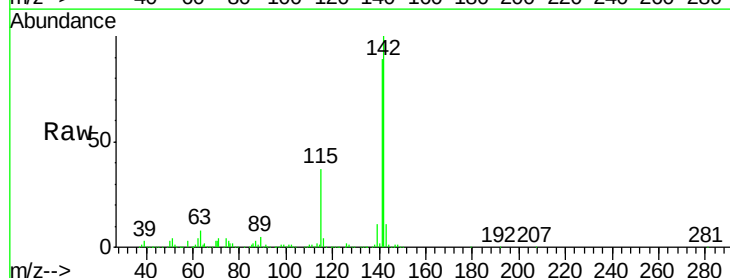
Instrument :
 BNA_M
 ClientSampleId :

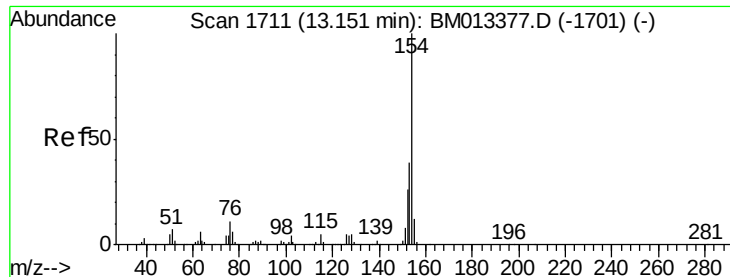
Tot Ion:127 Resp: 1790319
 Ion Ratio Lower Upper
 127 100
 129 83.2 28.4 42.6#



#34
 2-Methylnaphthalene
 Concen: 138.988 ng/ul
 RT: 12.13 min Scan# 1538
 Delta R.T. 0.01 min
 Lab File: BM013382.D
 Acq: 13 Dec 2017 20:11

Tgt Ion:142 Resp: 2841118
 Ion Ratio Lower Upper
 142 100
 141 88.9 74.1 111.1

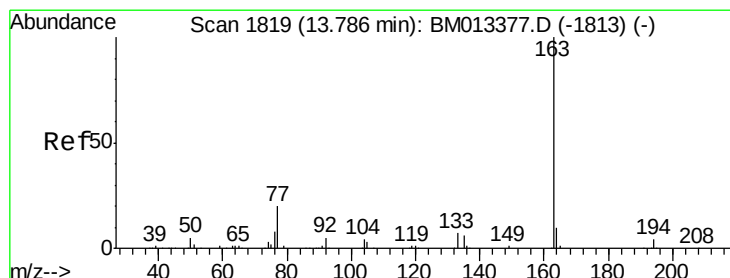
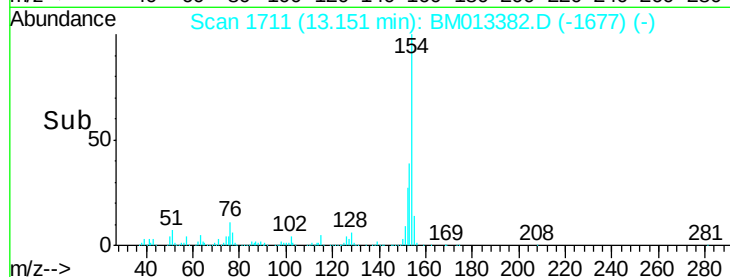
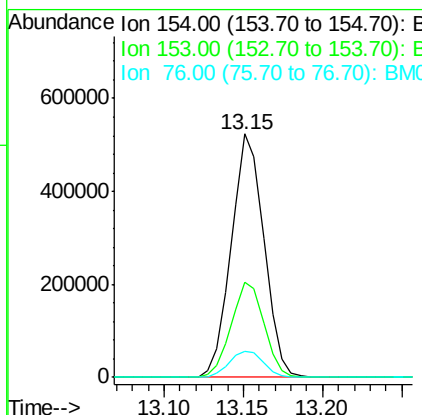
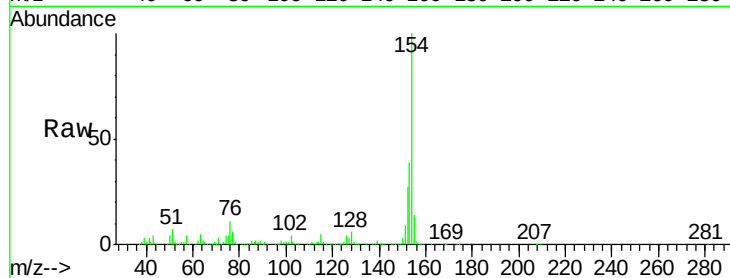




#40
1,1'-Biphenyl
Concen: 26.458 ng/ul
RT: 13.15 min Scan# 1711
Delta R.T. -0.00 min
Lab File: BM013382.D
Acq: 13 Dec 2017 20:11

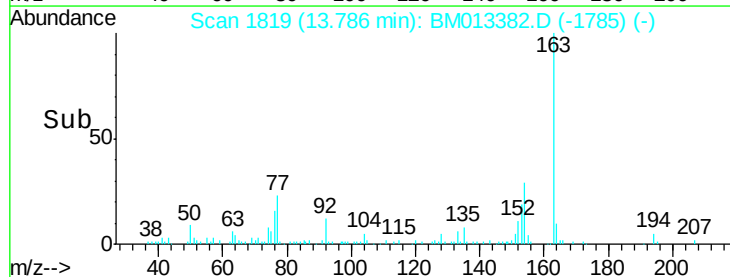
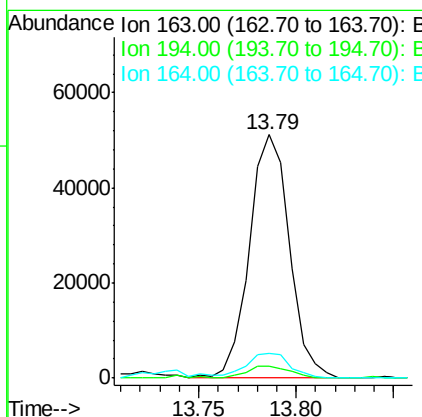
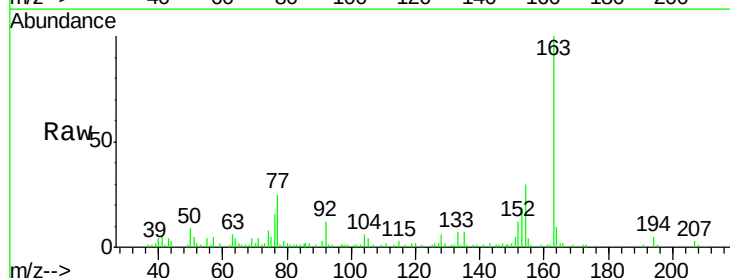
Instrument :
BNA_M
ClientSampleId :

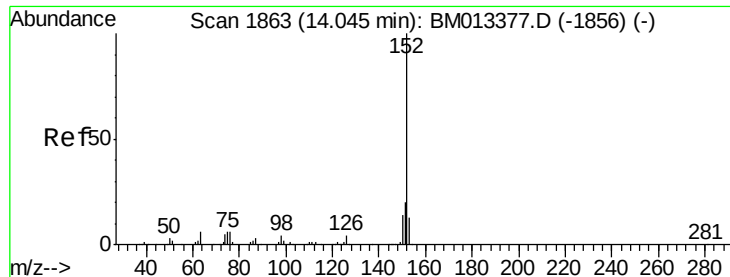
Tot Ion	Ratio	Lower	Upper
154	100		
153	39.2	32.6	48.8
76	10.9	8.5	12.7



#44
Dimethylphthalate
Concen: 2.549 ng/ul
RT: 13.79 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BM013382.D
Acq: 13 Dec 2017 20:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.5	5.3
164	10.3	8.2	12.4





#47

Acenaphthylene

Concen: 10.804 ng/ul

RT: 14.04 min Scan# 1863

Delta R.T. -0.00 min

Lab File: BM013382.D

Acq: 13 Dec 2017 20:11

Instrument :

BNA_M

ClientSampleId :

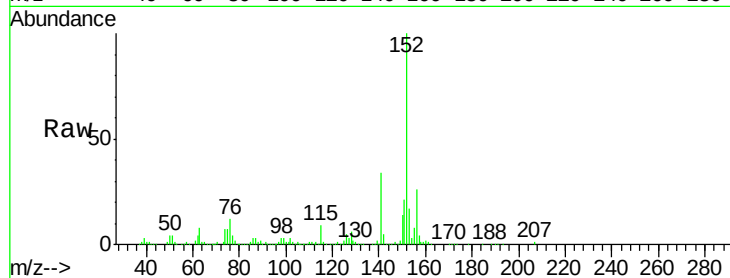
Tot Ion:152 Resp: 368568

Ion Ratio Lower Upper

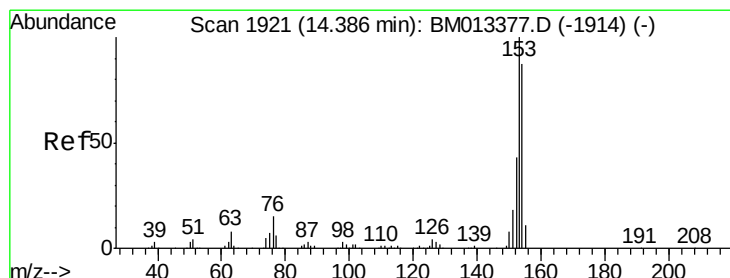
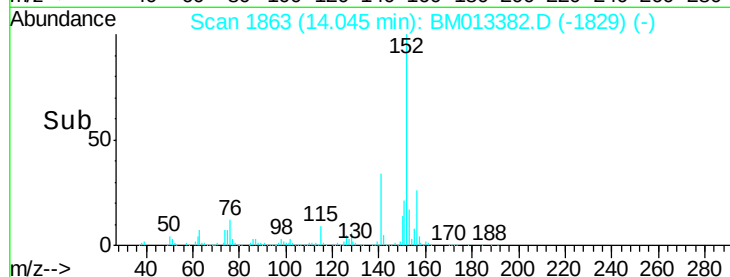
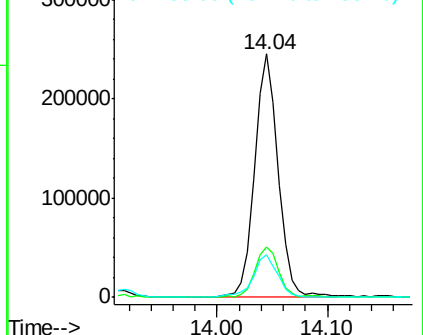
152 100

151 20.6 16.3 24.5

153 17.3 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: 112.805 ng/ul

RT: 14.39 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BM013382.D

Acq: 13 Dec 2017 20:11

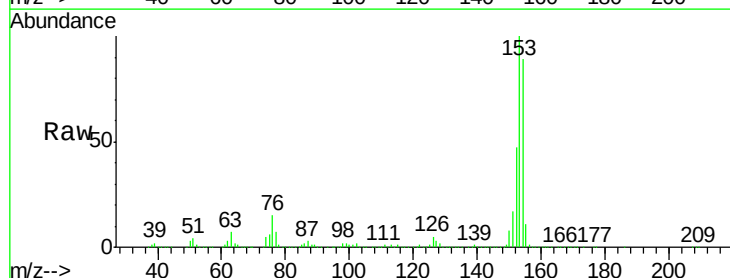
Tgt Ion:153 Resp: 2621336

Ion Ratio Lower Upper

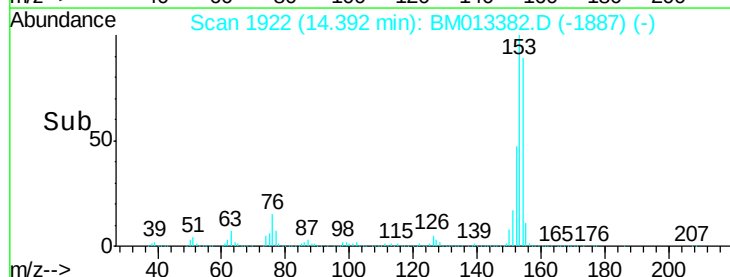
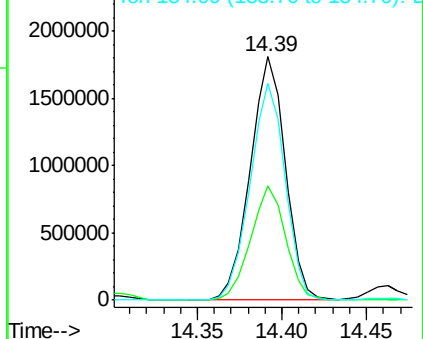
153 100

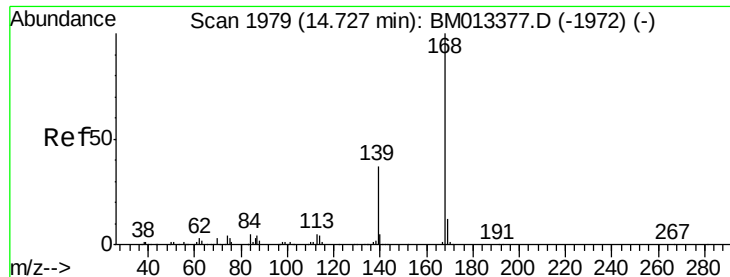
152 46.9 37.6 56.4

154 89.2 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

Dibenzenofuran

Concen: 87.889 ng/ul

RT: 14.73 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BM013382.D

Acq: 13 Dec 2017 20:11

Instrument :

BNA_M

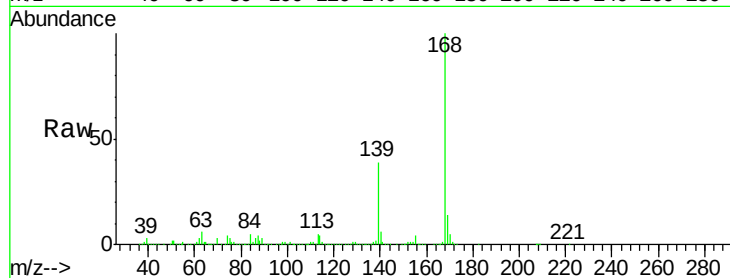
ClientSampled :

Tot Ion:168 Resp: 3015068

Ion Ratio Lower Upper

168 100

139 38.5 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

2500000

2000000

1500000

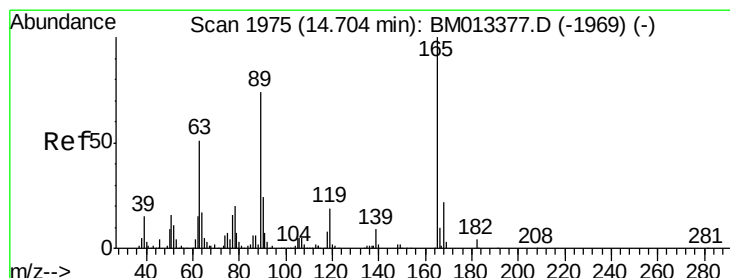
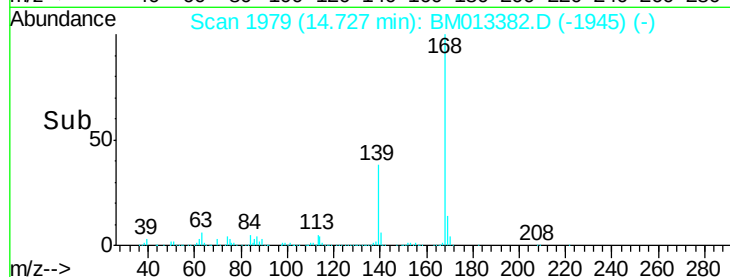
1000000

500000

0

14.70 14.73 14.80

Time-->



#54

2,4-Dinitrotoluene

Concen: 1.092 ng/ul

RT: 14.69 min Scan# 1972

Delta R.T. -0.02 min

Lab File: BM013382.D

Acq: 13 Dec 2017 20:11

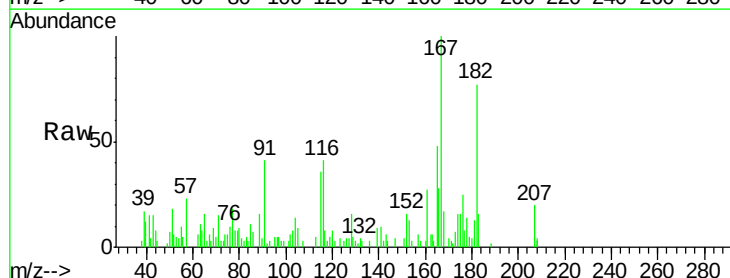
Tgt Ion:165 Resp: 9254

Ion Ratio Lower Upper

165 100

63 22.2 45.8 68.8#

182 160.8 2.6 4.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E

150000

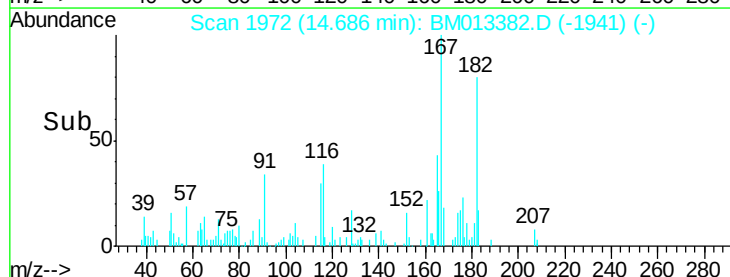
100000

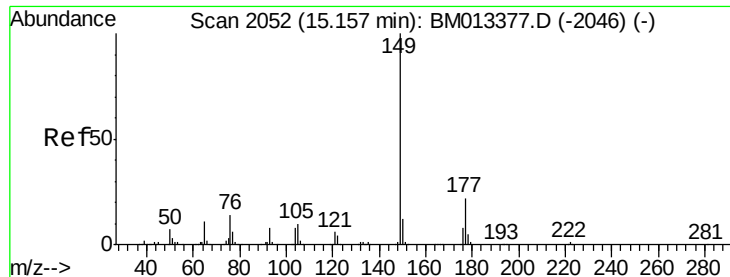
50000

0

14.65 14.69 14.70

Time-->

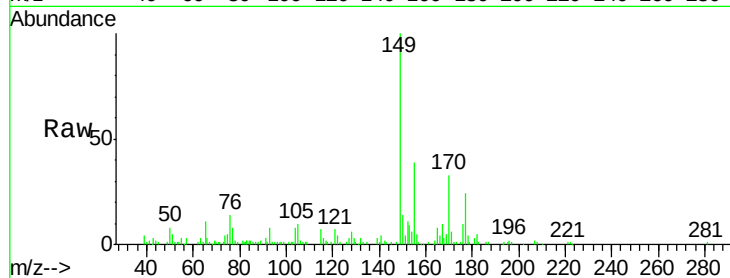




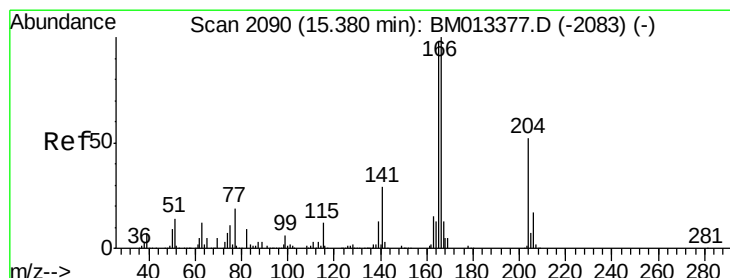
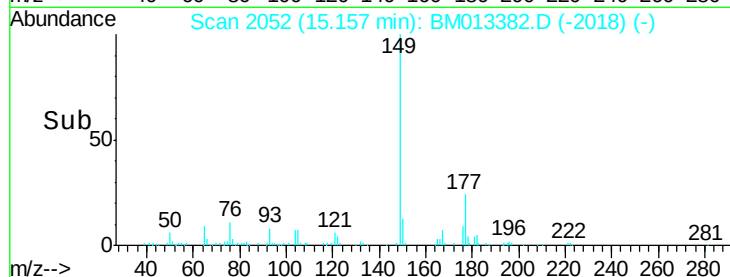
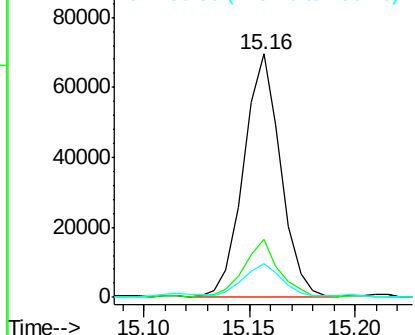
#56
Diethylphthalate
Concen: 2.964 ng/ul
RT: 15.16 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BM013382.D
Acq: 13 Dec 2017 20:11

Instrument :
BNA_M
ClientSampleId :

Tot Ion:149 Resp: 84924
Ion Ratio Lower Upper
149 100
177 24.1 20.5 30.7
150 14.0 10.6 15.8

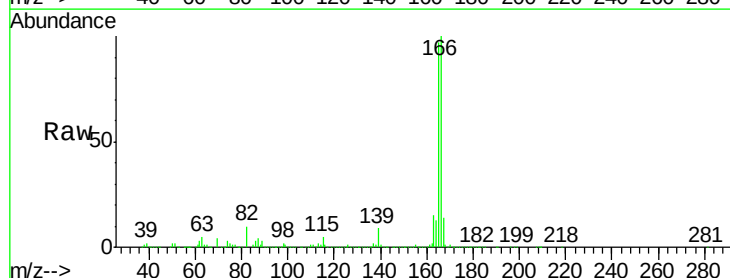


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

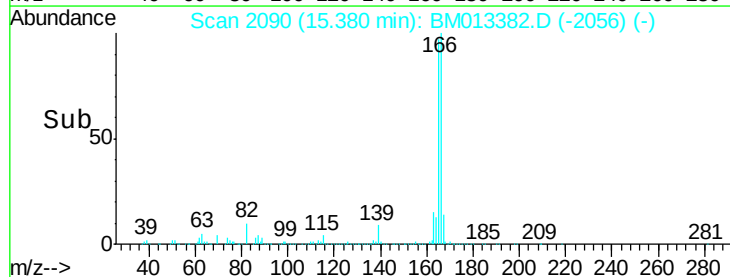
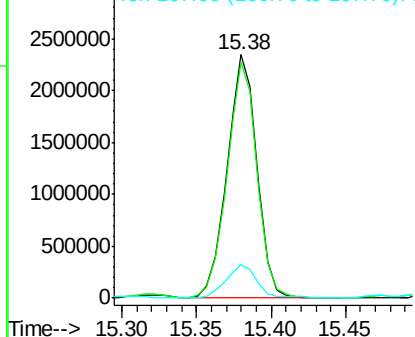


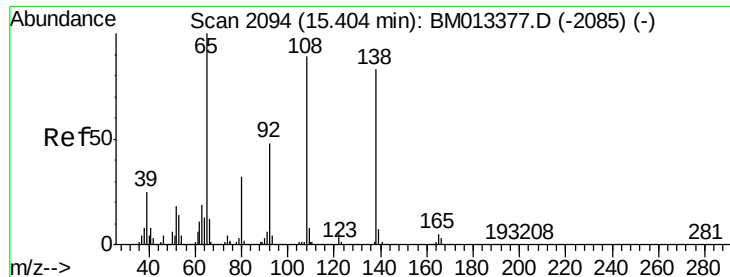
#58
Fluorene
Concen: 115.085 ng/ul
RT: 15.38 min Scan# 2090
Delta R.T. -0.00 min
Lab File: BM013382.D
Acq: 13 Dec 2017 20:11

Tgt Ion:166 Resp: 3266081
Ion Ratio Lower Upper
166 100
165 97.1 77.9 116.9
167 13.6 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#60

4-Nitroaniline

Concen: 6.352 ng/ul

RT: 15.38 min Scan# 2090

Delta R.T. -0.02 min

Lab File: BM013382.D

Acq: 13 Dec 2017 20:11

Instrument :

BNA_M

ClientSampleId :

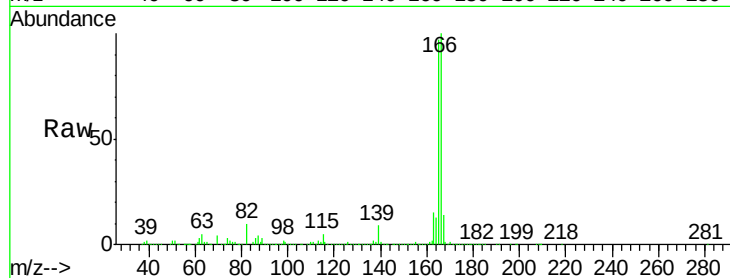
Tot Ion:138 Resp: 39032

Ion Ratio Lower Upper

138 100

92 1.4 40.0 60.0#

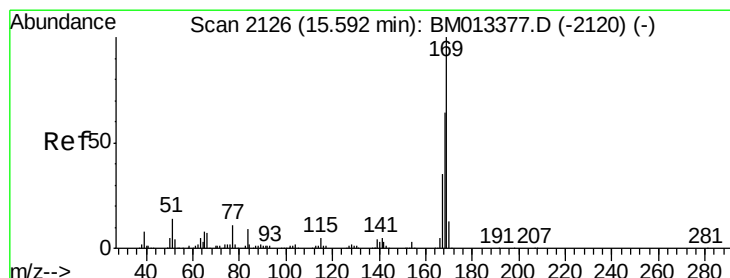
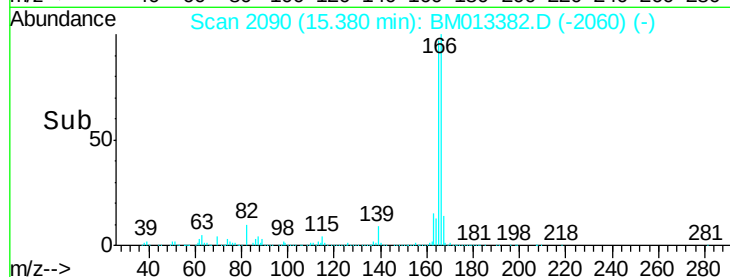
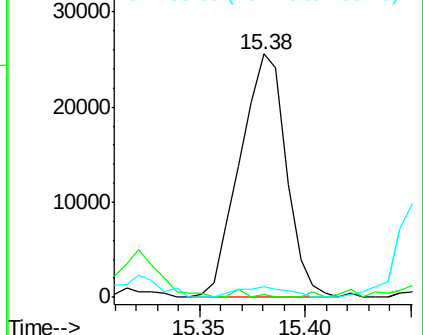
108 4.2 80.0 120.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



#64

N-Nitrosodiphenylamine

Concen: 1.026 ng/ul

RT: 15.59 min Scan# 2125

Delta R.T. -0.01 min

Lab File: BM013382.D

Acq: 13 Dec 2017 20:11

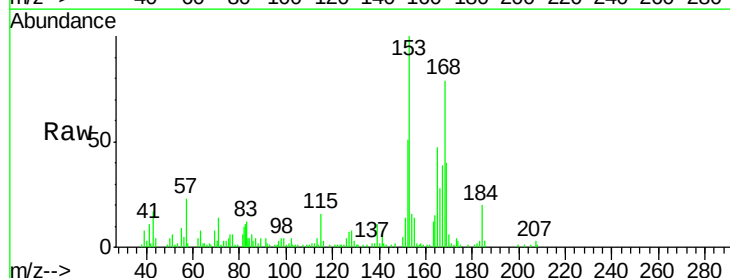
Tgt Ion:169 Resp: 25049

Ion Ratio Lower Upper

169 100

168 199.1 54.0 81.0#

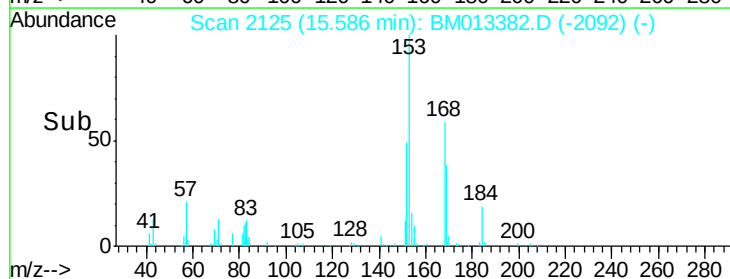
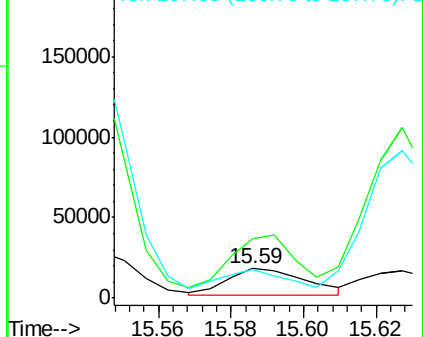
167 99.0 29.1 43.7#

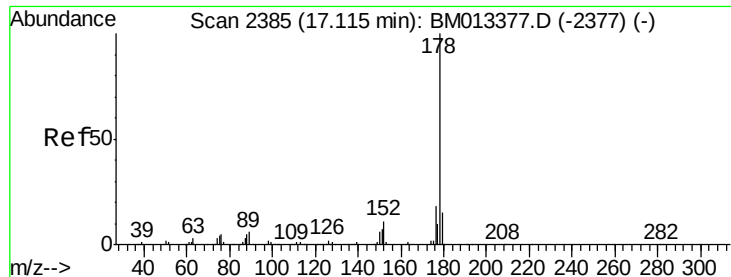


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 46.003 ng/ul

RT: 17.21 min Scan# 2401

Delta R.T. 0.09 min

Lab File: BM013382.D

Acq: 13 Dec 2017 20:11

Instrument :

BNA_M

ClientSampled :

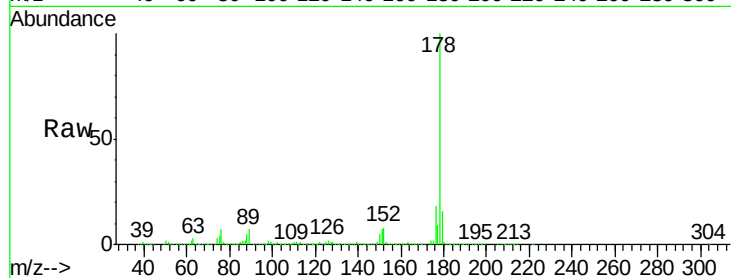
Tot Ion:178 Resp: 2166236

Ion Ratio Lower Upper

178 100

179 15.7 12.6 19.0

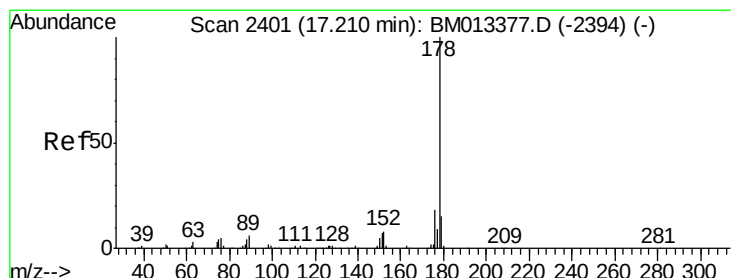
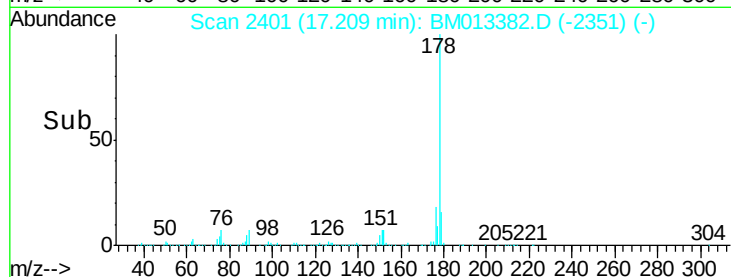
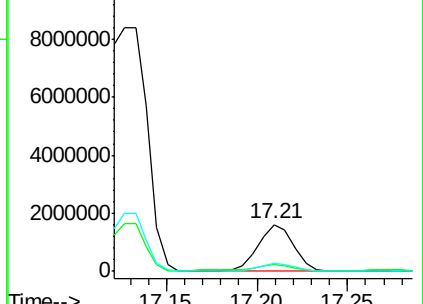
176 17.7 14.9 22.3



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: 45.006 ng/ul

RT: 17.21 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BM013382.D

Acq: 13 Dec 2017 20:11

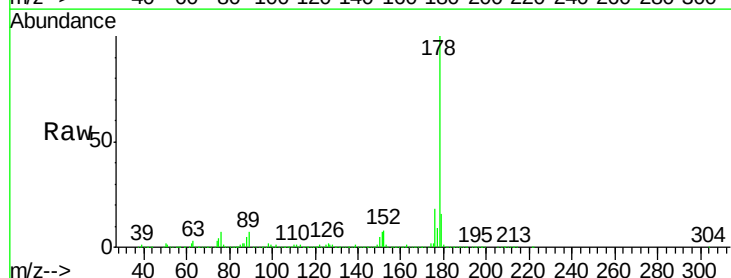
Tgt Ion:178 Resp: 2166236

Ion Ratio Lower Upper

178 100

179 15.7 11.7 17.5

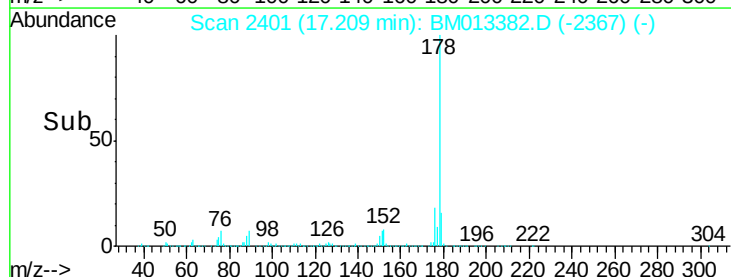
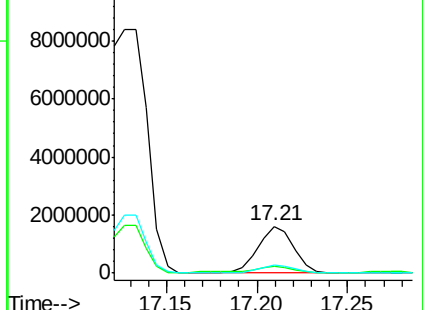
176 17.7 14.6 21.8

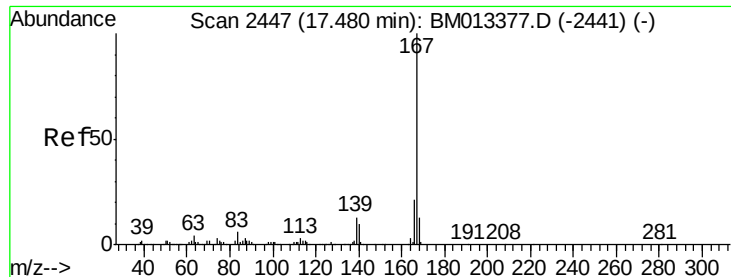


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

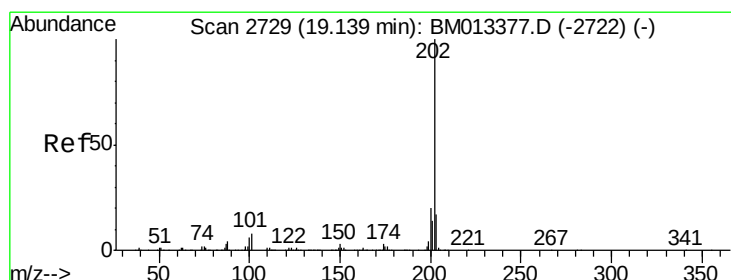
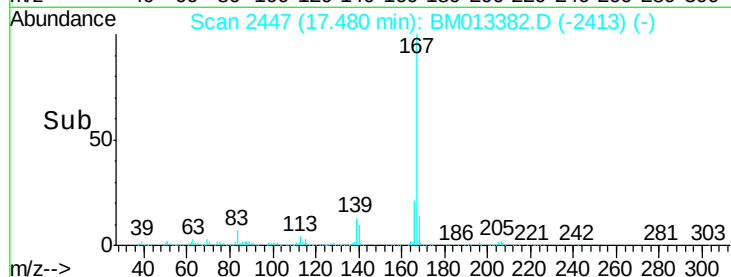
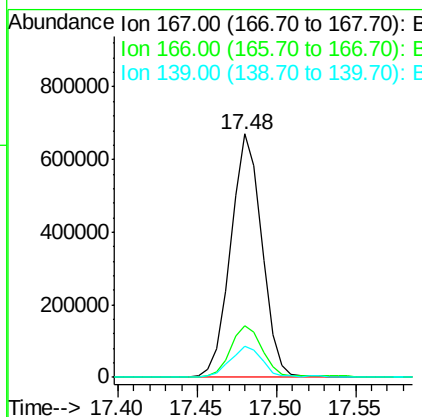
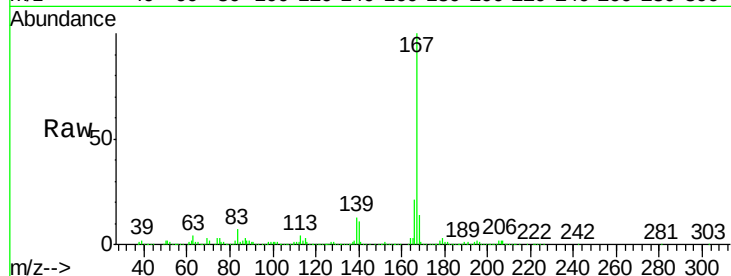




#72
 Carbazole
 Concen: 21.987 ng/ul
 RT: 17.48 min Scan# 2447
 Delta R.T. -0.00 min
 Lab File: BM013382.D
 Acq: 13 Dec 2017 20:11

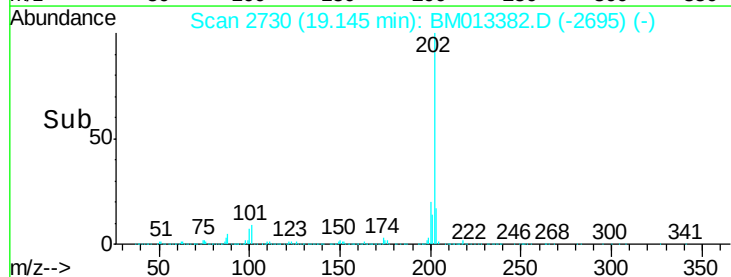
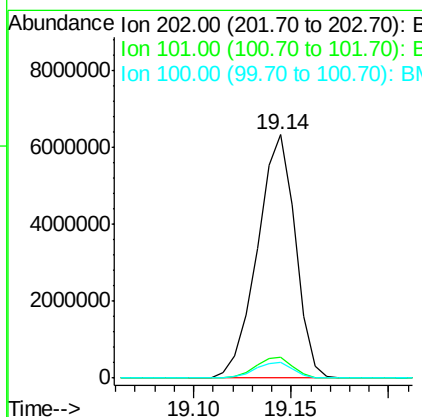
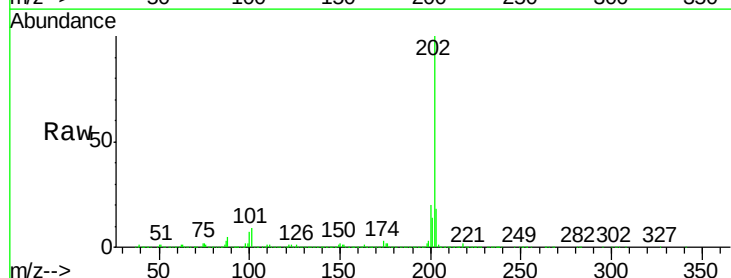
Instrument :
 BNA_M
 ClientSampleId :

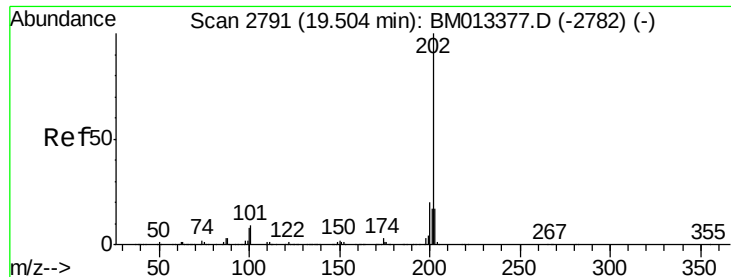
Tot Ion:167 Resp: 910259
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.1 25.7
 139 12.9 10.0 15.0



#74
 Fluoranthene
 Concen: 147.206 ng/ul
 RT: 19.14 min Scan# 2730
 Delta R.T. 0.01 min
 Lab File: BM013382.D
 Acq: 13 Dec 2017 20:11

Tgt Ion:202 Resp: 8494629
 Ion Ratio Lower Upper
 202 100
 101 8.7 4.6 7.0#
 100 6.6 3.4 5.2#

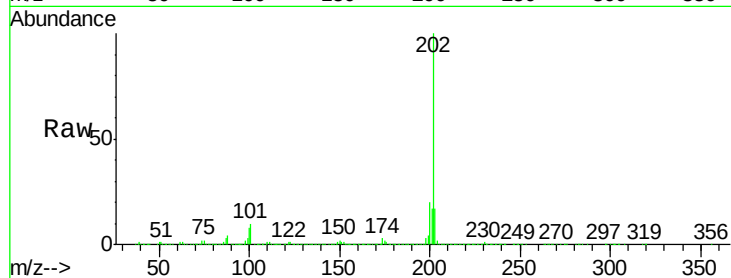




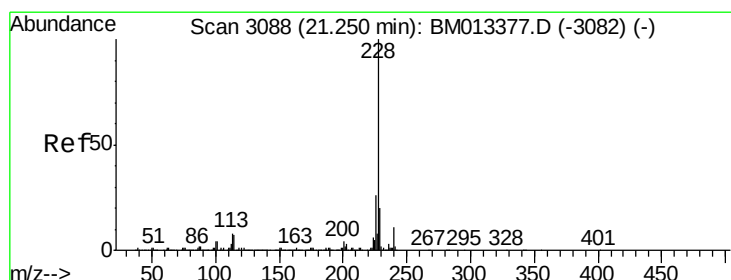
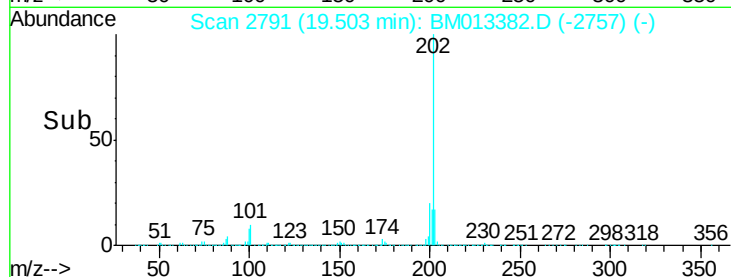
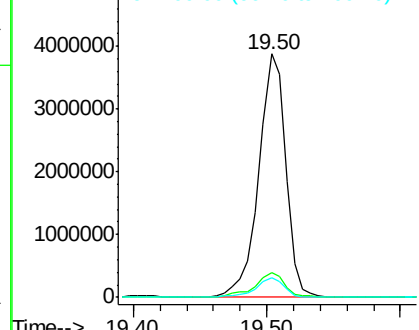
#77
 Pvrene
 Concen: 76.480 ng/ul
 RT: 19.50 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: BM013382.D
 Acq: 13 Dec 2017 20:11

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:202 Resp: 5391063
 Ion Ratio Lower Upper
 202 100
 101 10.0 5.1 7.7#
 100 8.2 4.9 7.3#

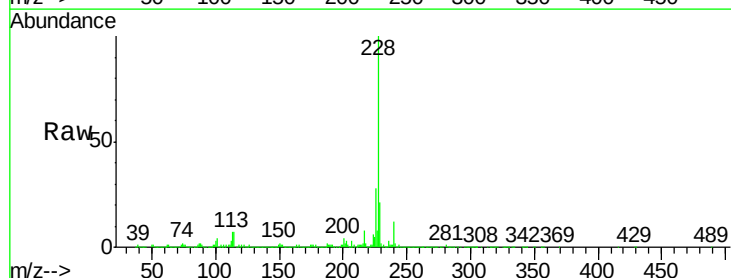


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

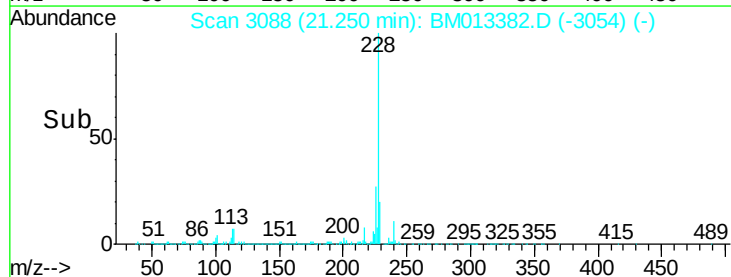
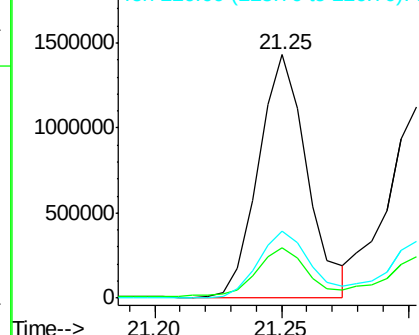


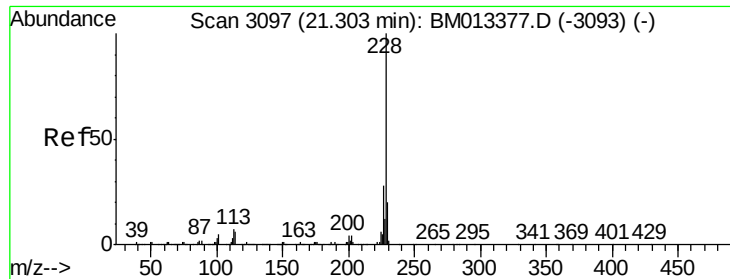
#80
 Benzo(a)anthracene
 Concen: 25.797 ng/ul
 RT: 21.25 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: BM013382.D
 Acq: 13 Dec 2017 20:11

Tgt Ion:228 Resp: 1899128
 Ion Ratio Lower Upper
 228 100
 229 20.6 15.4 23.0
 226 27.7 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: 22.022 ng/ul

RT: 21.30 min Scan# 3097

Delta R.T. -0.00 min

Lab File: BM013382.D

Acq: 13 Dec 2017 20:11

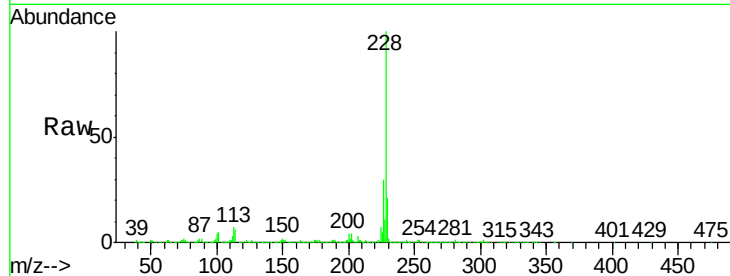
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1504029

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.2
229	21.4	15.5	23.3

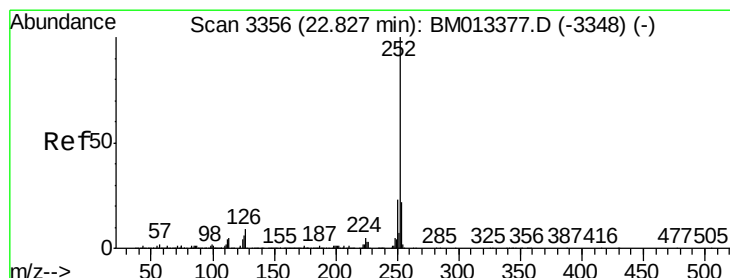
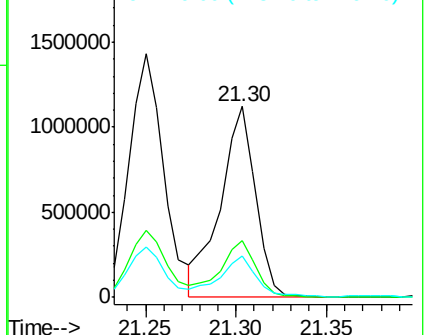
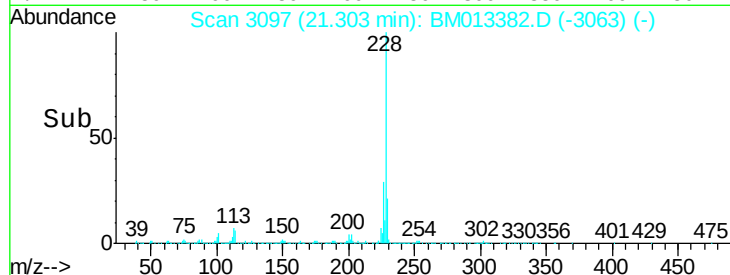


Abundance

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: 17.345 ng/ul

RT: 22.83 min Scan# 3356

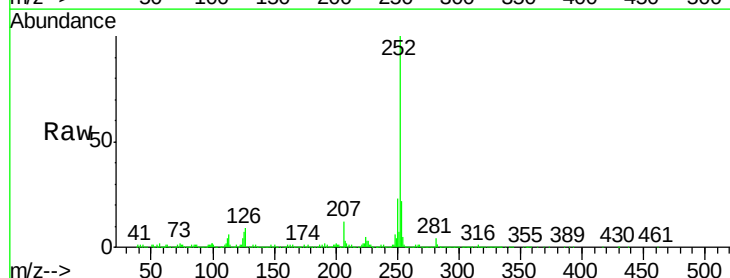
Delta R.T. -0.00 min

Lab File: BM013382.D

Acq: 13 Dec 2017 20:11

Tgt Ion:252 Resp: 1364906

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	7.3	3.6	5.4

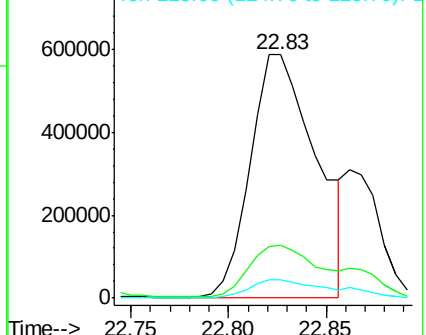
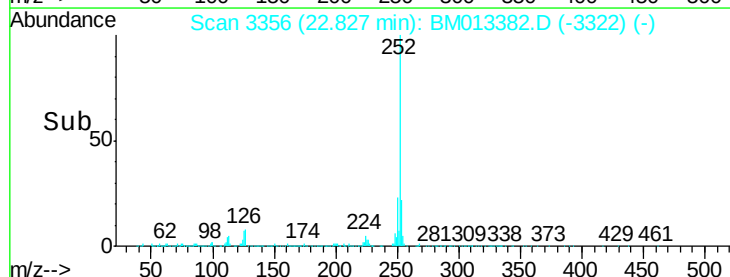


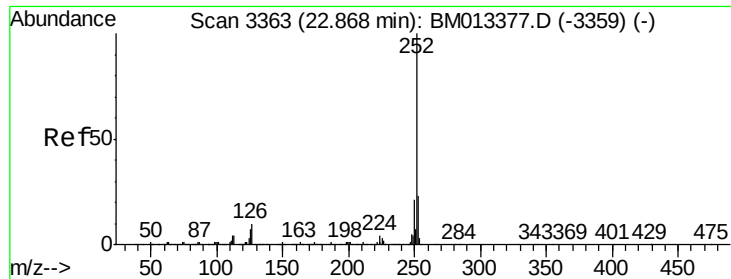
Abundance

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

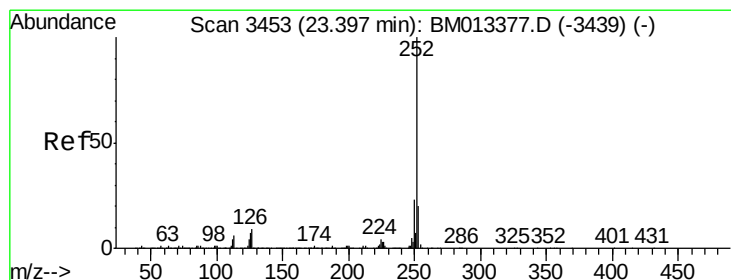
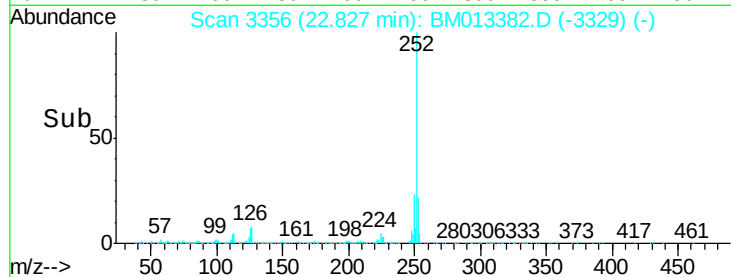
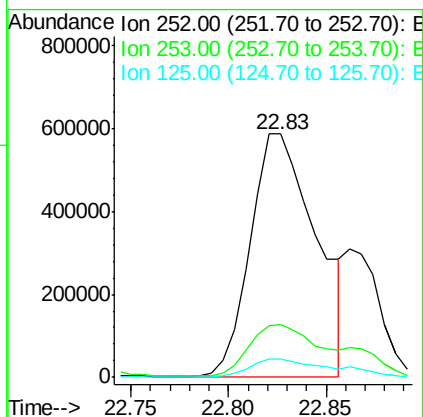
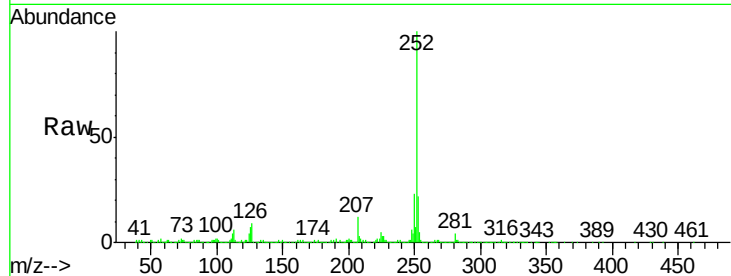




#86
Benzo(k)fluoranthene
Concen: 18.431 ng/ul
RT: 22.83 min Scan# 3356
Delta R.T. -0.04 min
Lab File: BM013382.D
Acq: 13 Dec 2017 20:11

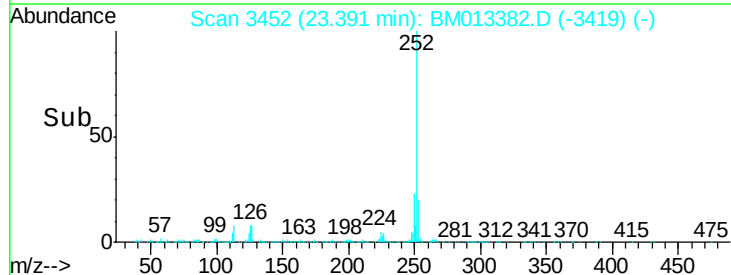
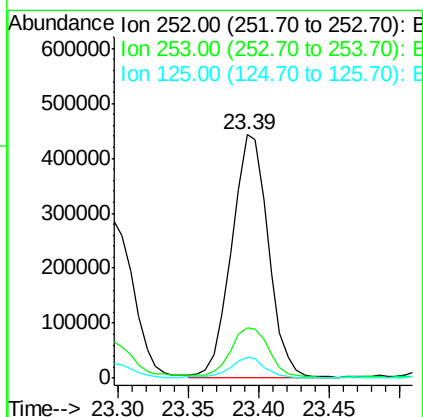
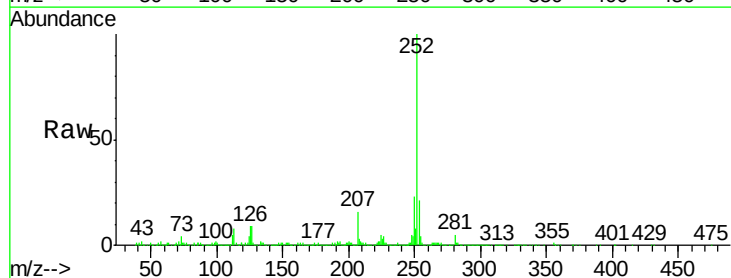
Instrument :
BNA_M
ClientSampleId :

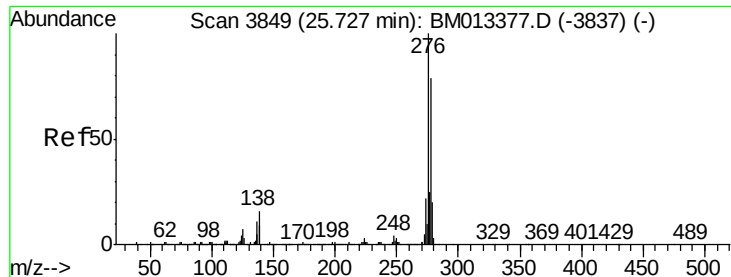
Tot Ion:252 Resp: 1364906
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 7.3 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 11.260 ng/ul
RT: 23.39 min Scan# 3452
Delta R.T. -0.01 min
Lab File: BM013382.D
Acq: 13 Dec 2017 20:11

Tgt Ion:252 Resp: 795984
Ion Ratio Lower Upper
252 100
253 20.9 18.2 27.2
125 8.7 4.0 6.0#



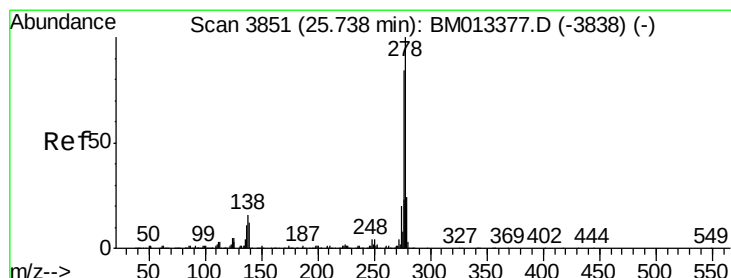
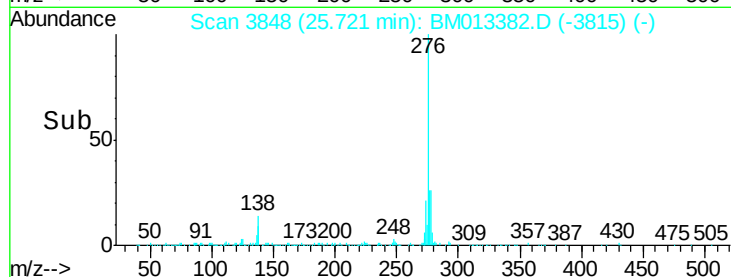
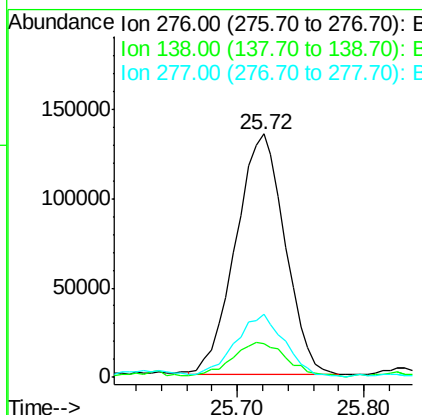
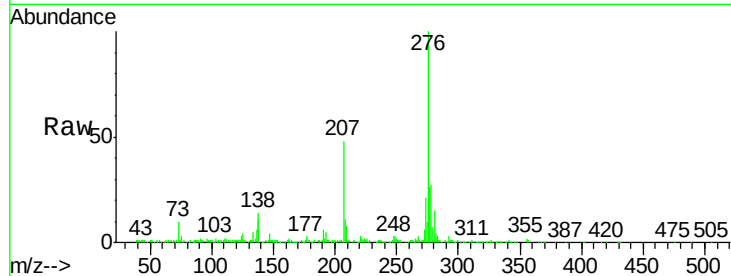


#89

Indeno(1,2,3-cd)pyrene
Concen: 5.173 ng/ul
RT: 25.72 min Scan# 3848
Delta R.T. -0.01 min
Lab File: BM013382.D
Acq: 13 Dec 2017 20:11

Instrument :
BNA_M
ClientSampleId :

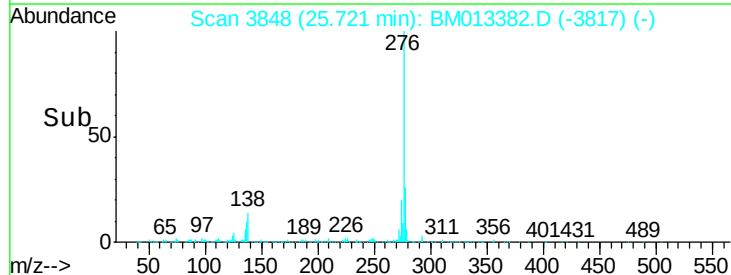
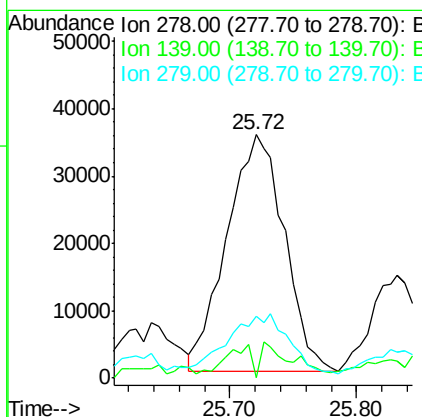
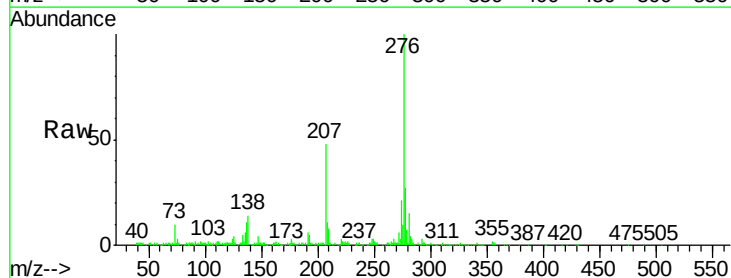
Tot Ion	Ratio	Lower	Upper
276	100		
138	14.0	9.3	13.9#
277	25.7	19.9	29.9

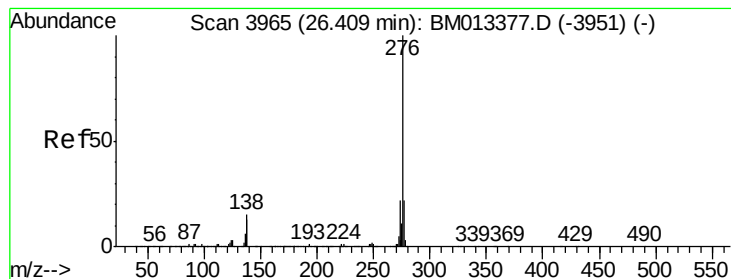


#90

Dibenzo(a,h)anthracene
Concen: 1.850 ng/ul
RT: 25.72 min Scan# 3848
Delta R.T. -0.02 min
Lab File: BM013382.D
Acq: 13 Dec 2017 20:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	25.6	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 4.606 ng/ul

RT: 26.40 min Scan# 3964

Delta R.T. -0.01 min

Lab File: BM013382.D

Acq: 13 Dec 2017 20:11

Instrument :

BNA_M

ClientSampleId :

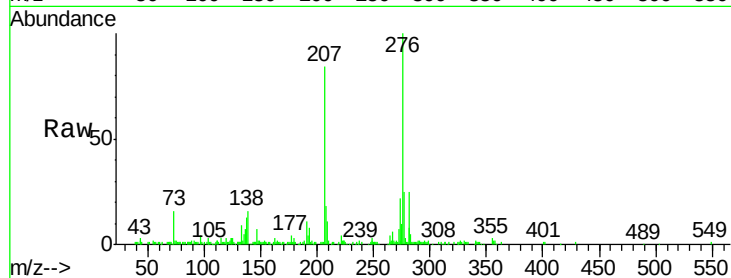
Tot Ion:276 Resp: 254805

Ion Ratio Lower Upper

276 100

138 15.7 8.5 12.7#

277 24.9 18.6 28.0



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

