

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092917\
 Data File : BM011781.D
 Acq On : 29 Sep 2017 23:38
 Operator : SJ/JU
 Sample : I5354-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 30 01:48:49 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 30 00:51:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	235780	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	1048115	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	572379	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1088203	20.00	ng/ul	0.00
75) Chrysene-d12	21.50	240	1239260	20.00	ng/ul	0.02
83) Perylene-d12	23.76	264	1947590	20.00	ng/ul	-0.08

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	25786	4.88	ng/uL	0.00
5) Phenol-d5	7.09	99	609893	26.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	466716	27.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.47	132	530628	30.76	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	484068	26.65	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	265191	32.44	ng/ul	0.00
22) 2-Nitrophenol-d4	9.82	143	287446	32.97	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	517056	31.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.87	131	809233	43.98	ng/ul	0.00
43) Dimethylphthalate-d6	13.97	166	1592355	32.44	ng/ul	0.00
46) Acenaphthylene-d8	14.27	160	1972643	33.23	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	209799	25.00	ng/ul	0.00
57) Fluorene-d10	15.56	176	1315394	31.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	73842	10.02	ng/ul	0.00
70) Anthracene-d10	17.41	188	1829051	33.03	ng/ul	0.00
76) Pyrene-d10	19.70	212	2178089	36.83	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.76	264	1864287	19.99	ng/ul	0.07

Target Compounds

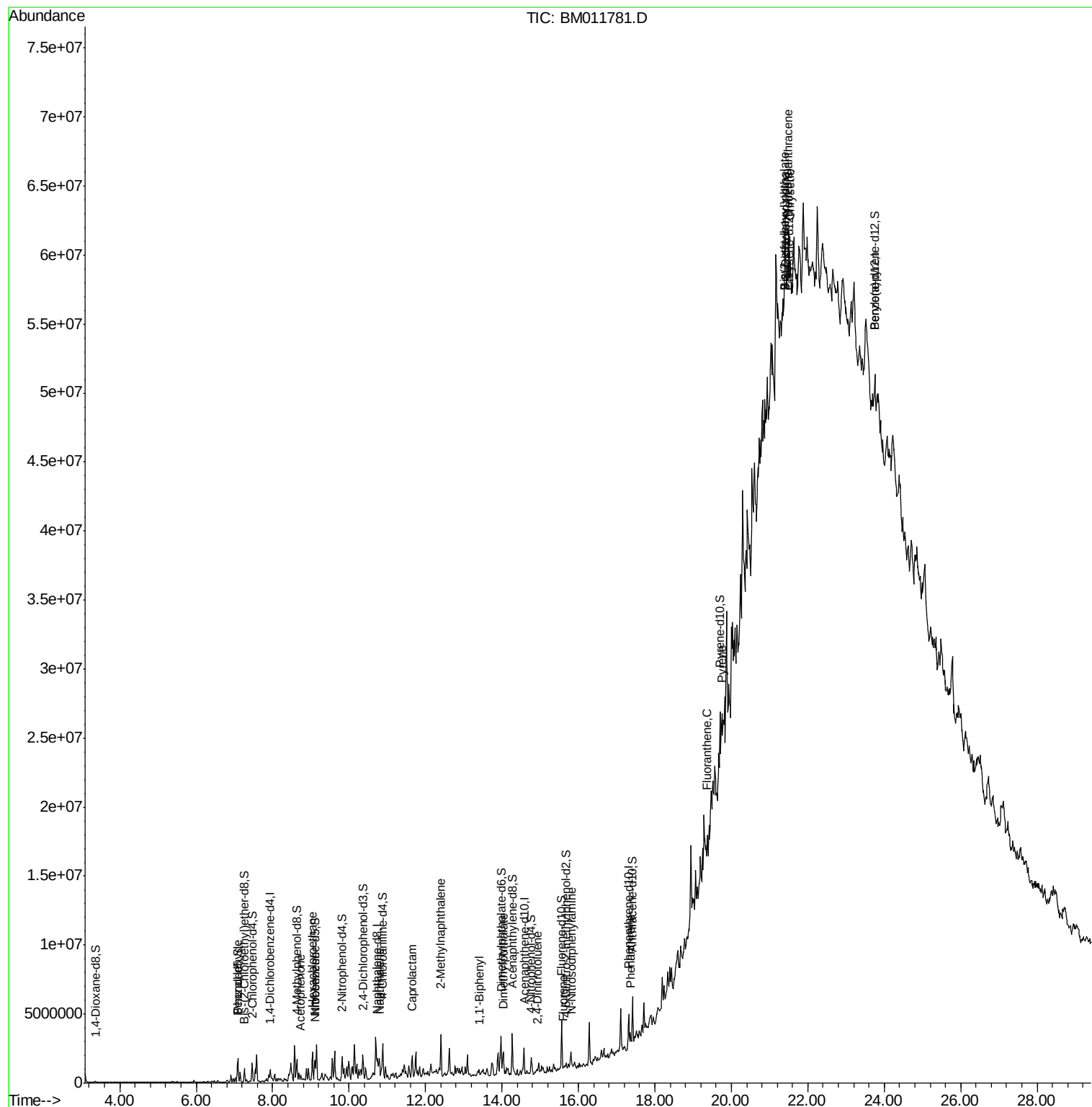
					Ovalue	
4) Benzaldehyde	7.07	77	28471	2.504	ng/ul#	1
14) Acetophenone	8.73	105	291337	9.982	ng/ul#	27
17) Hexachloroethane	9.04	117	164474	22.156	ng/ul#	1
20) Nitrobenzene	9.12	77	25262	1.123	ng/ul#	12
28) Naphthalene	10.79	128	450373	8.221	ng/ul#	94
32) Caprolactam	11.64	113	10654	2.078	ng/ul#	1
34) 2-Methylnaphthalene	12.40	142	1350758	34.783	ng/ul	98
40) 1,1'-Biophenyl	13.40	154	70753	1.501	ng/ul#	95
44) Dimethylphthalate	14.02	163	448432	9.551	ng/ul	99
54) 2,4-Dinitrotoluene	14.92	165	15591	1.264	ng/ul#	50
58) Fluorene	15.62	166	99555	2.111	ng/ul#	95
64) N-Nitrosodiphenylamine	15.82	169	54667	1.700	ng/ul#	51
69) Phenanthrene	17.36	178	364518	5.985	ng/ul#	93
74) Fluoranthene	19.37	202	303795	4.085	ng/ul#	81
77) Pyrene	19.73	202	851879	11.535	ng/ul#	83
79) 3,3'-Dichlorobenzidine	21.41	252	38191	1.621	ng/ul#	1
80) Benzo(a)anthracene	21.49	228	208235	3.003	ng/ul#	28
81) Bis(2-ethylhexyl)phthalate	21.39	149	1224660	26.580	ng/ul#	88
82) Chrysene	21.54	228	280905	4.296	ng/ul#	40

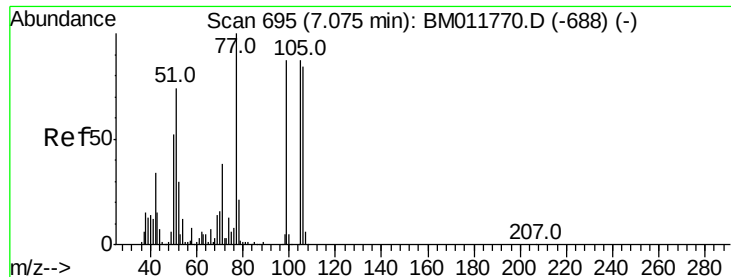
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 2.504 ng/ul

RT: 7.07 min Scan# 678

Delta R.T. -0.00 min

Lab File: BM011781.D

Acq: 29 Sep 2017 23:38

Instrument :

BNA_M

ClientSampled :

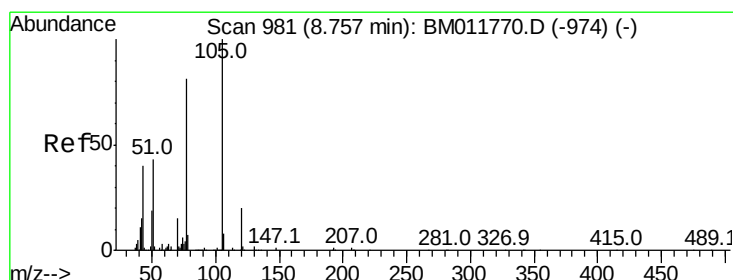
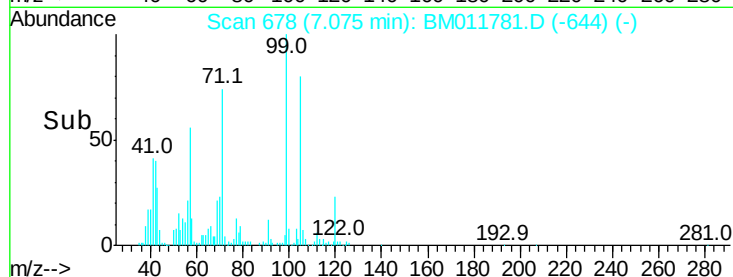
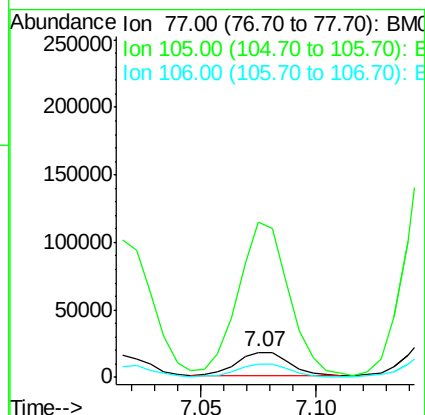
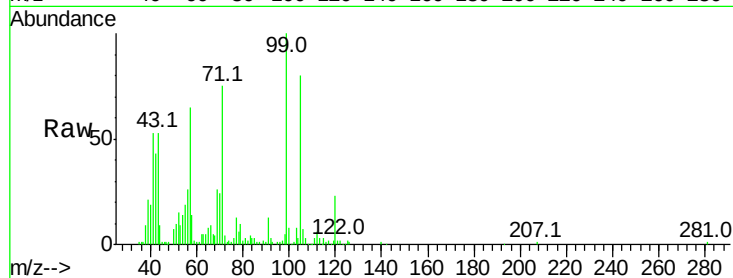
Tot Ion: 77 Resp: 28471

Ion Ratio Lower Upper

77 100

105 617.1 66.1 99.1#

106 51.0 67.8 101.6#



#14

Acetophenone

Concen: 9.982 ng/ul

RT: 8.73 min Scan# 960

Delta R.T. -0.02 min

Lab File: BM011781.D

Acq: 29 Sep 2017 23:38

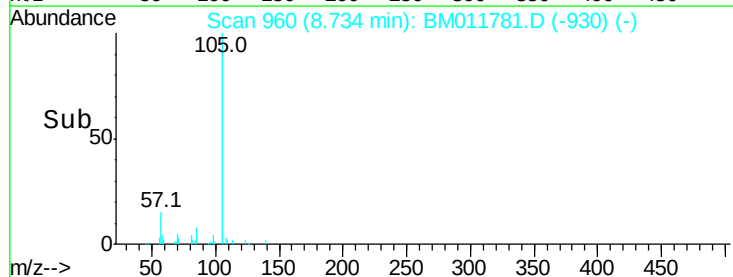
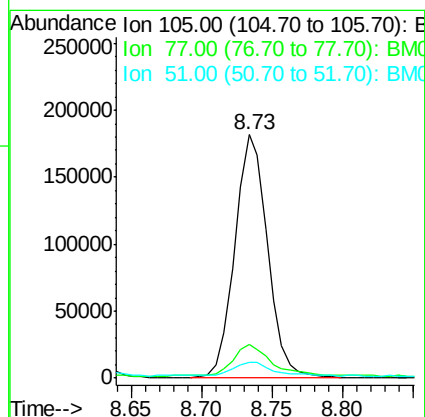
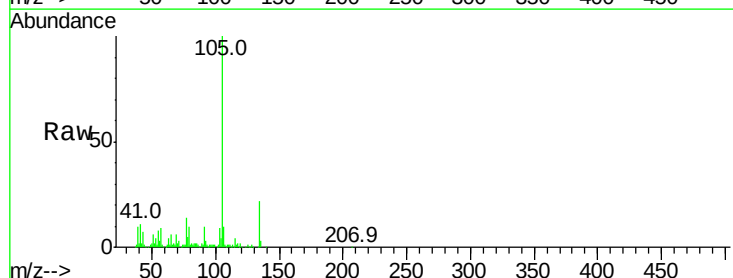
Tgt Ion: 105 Resp: 291337

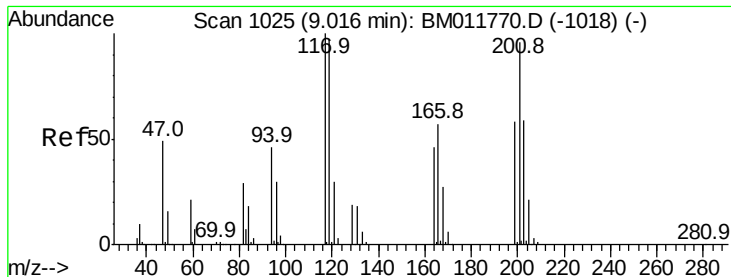
Ion Ratio Lower Upper

105 100

77 13.8 74.2 111.4#

51 6.4 23.4 35.2#





#17

Hexachloroethane

Concen: 22.156 ng/ul

RT: 9.04 min Scan# 1012

Delta R.T. 0.02 min

Lab File: BM011781.D

Acq: 29 Sep 2017 23:38

Instrument :

BNA_M

ClientSampleId :

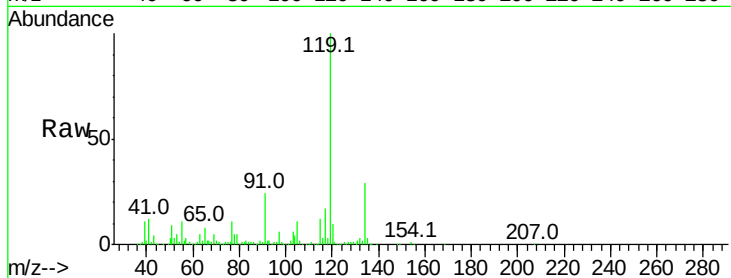
Tot Ion:117 Resp: 164474

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

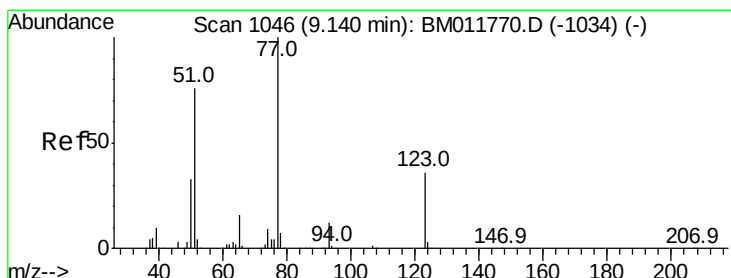
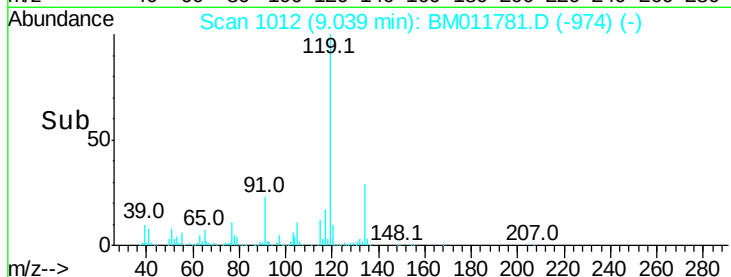
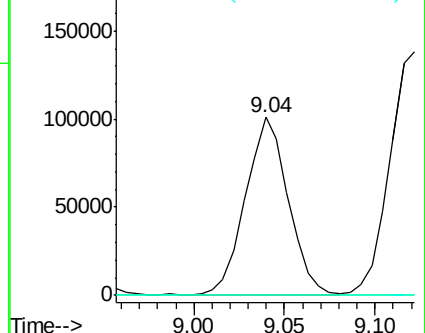
199 0.0 67.8 101.6#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#20

Nitrobenzene

Concen: 1.123 ng/ul

RT: 9.12 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM011781.D

Acq: 29 Sep 2017 23:38

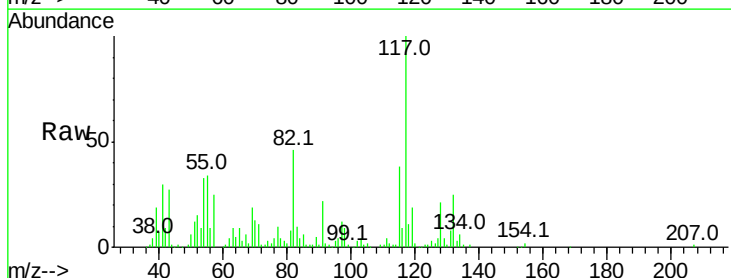
Tgt Ion: 77 Resp: 25262

Ion Ratio Lower Upper

77 100

123 6.5 31.0 46.6#

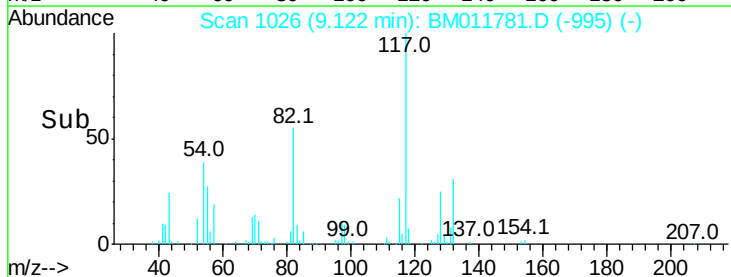
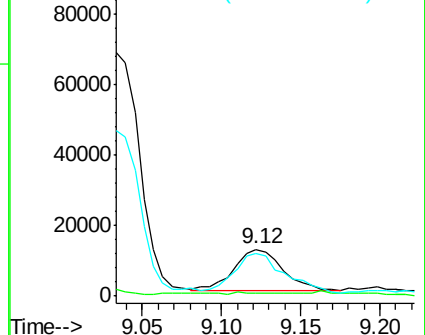
65 89.5 12.2 18.2#

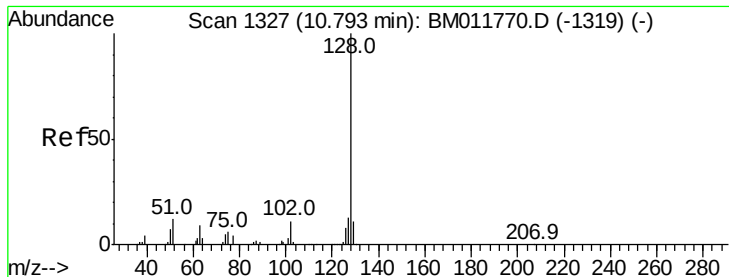


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0





#28

Naphthalene

Concen: 8.221 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BM011781.D

Acq: 29 Sep 2017 23:38

Instrument :

BNA_M

ClientSampleId :

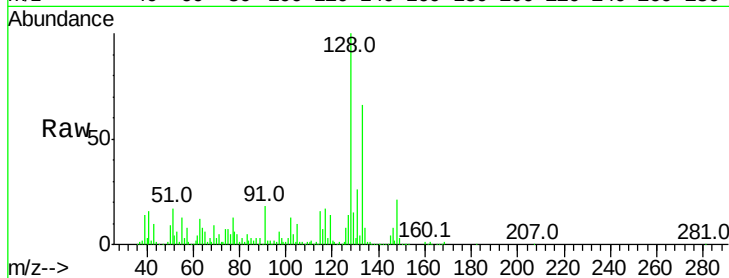
Tot Ion:128 Resp: 450373

Ion Ratio Lower Upper

128 100

129 14.8 8.8 13.2#

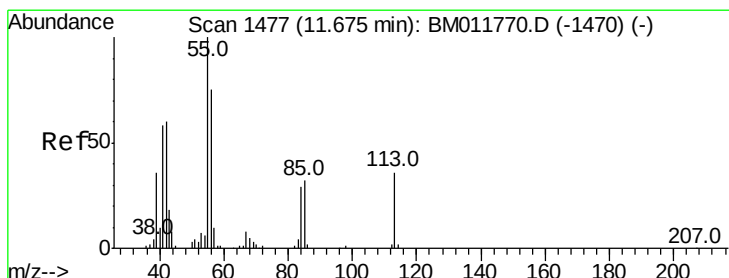
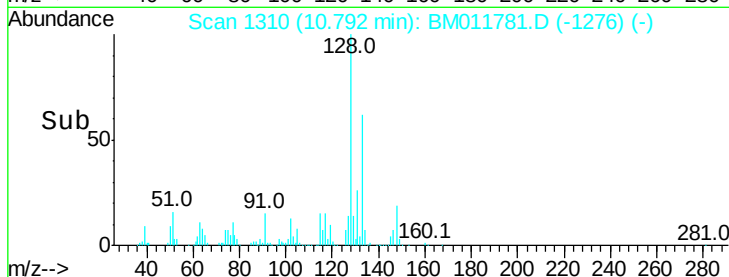
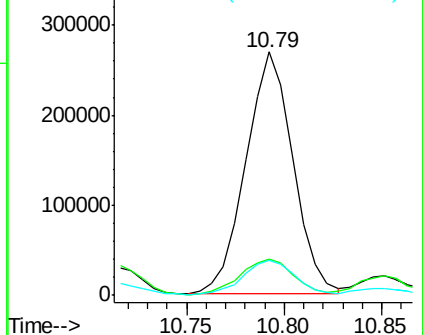
127 14.4 10.6 16.0



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



#32

Caprolactam

Concen: 2.078 ng/ul

RT: 11.64 min Scan# 1454

Delta R.T. -0.04 min

Lab File: BM011781.D

Acq: 29 Sep 2017 23:38

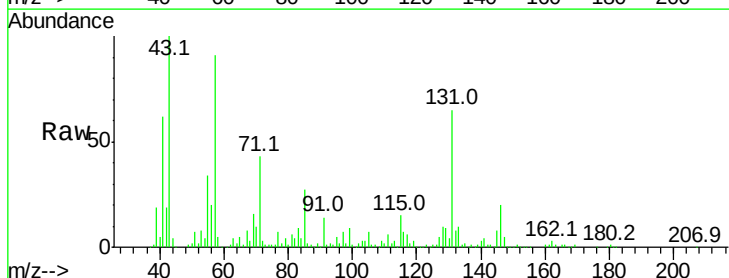
Tgt Ion:113 Resp: 10654

Ion Ratio Lower Upper

113 100

55 1078.8 208.0 312.0#

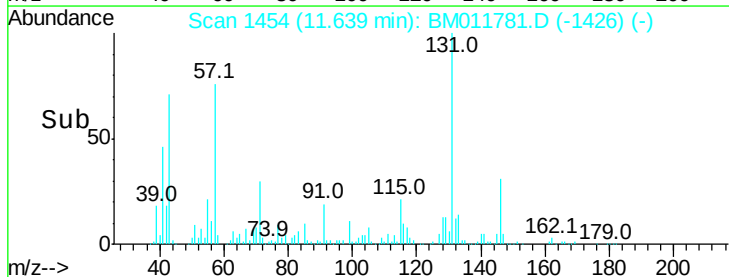
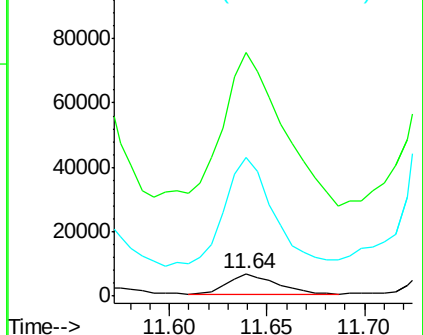
56 615.9 160.0 240.0#

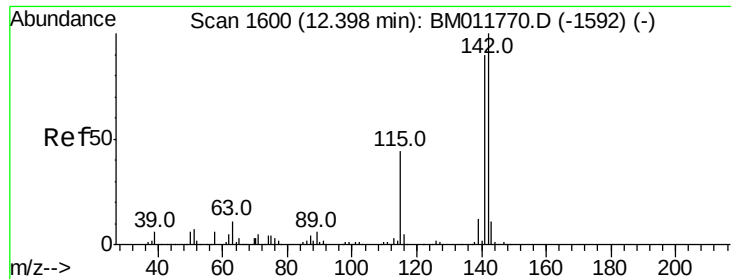


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM

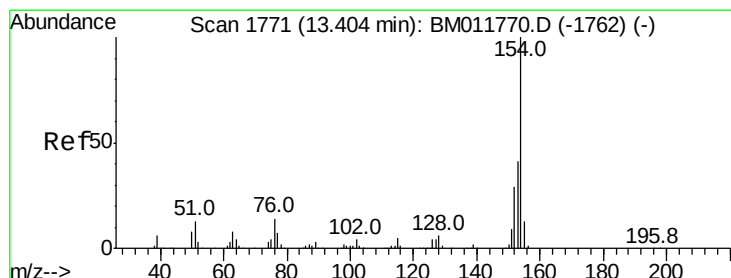
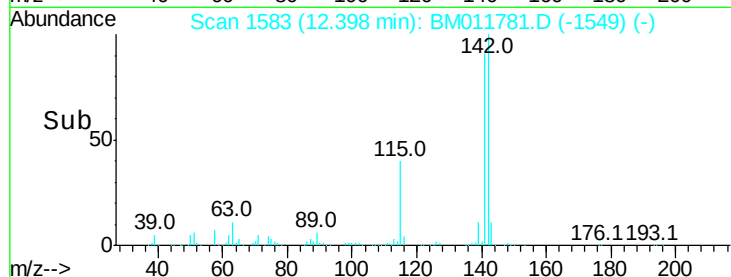
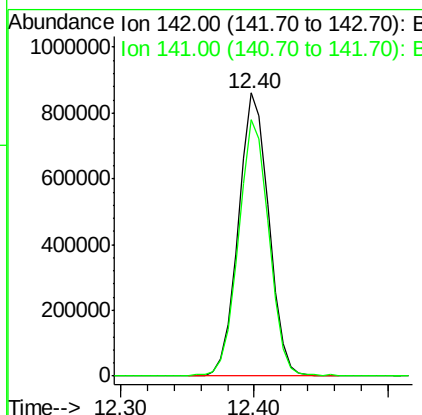
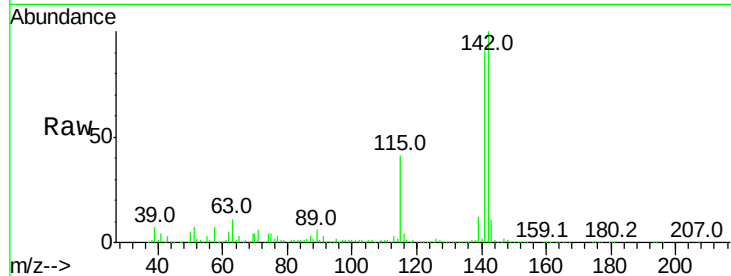




#34
 2-Methylnaphthalene
 Concen: 34.783 ng/ul
 RT: 12.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BM011781.D
 Acq: 29 Sep 2017 23:38

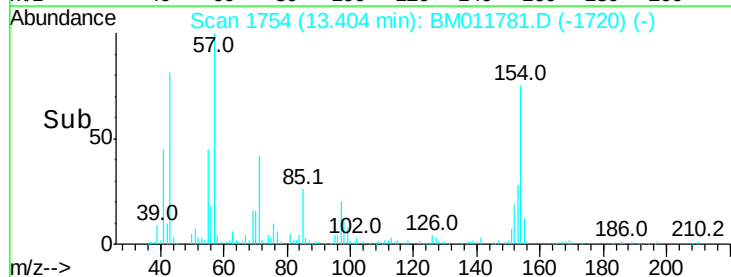
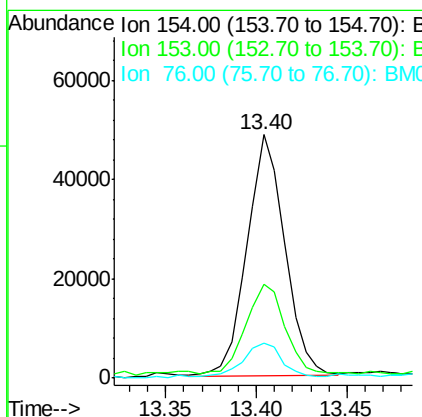
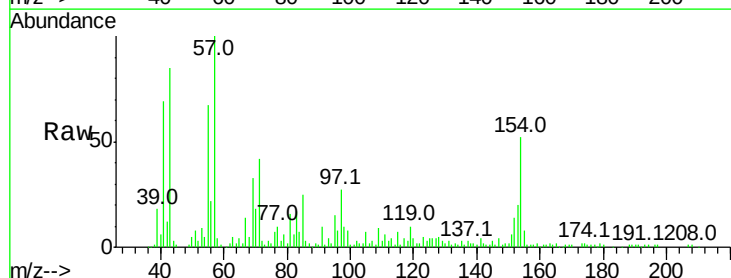
Instrument :
 BNA_M
 ClientSampled :

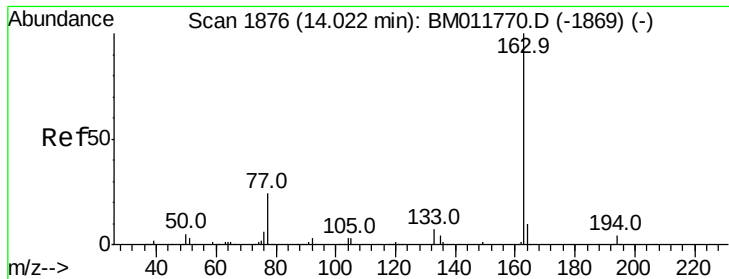
Tot Ion:142 Resp: 1350758
 Ion Ratio Lower Upper
 142 100
 141 90.7 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 1.501 ng/ul
 RT: 13.40 min Scan# 1754
 Delta R.T. -0.00 min
 Lab File: BM011781.D
 Acq: 29 Sep 2017 23:38

Tgt Ion:154 Resp: 70753
 Ion Ratio Lower Upper
 154 100
 153 38.6 32.6 48.8
 76 14.3 8.5 12.7#





#44

Dimethylphthalate

Concen: 9.551 ng/ul

RT: 14.02 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BM011781.D

Acq: 29 Sep 2017 23:38

Instrument :

BNA_M

ClientSampleId :

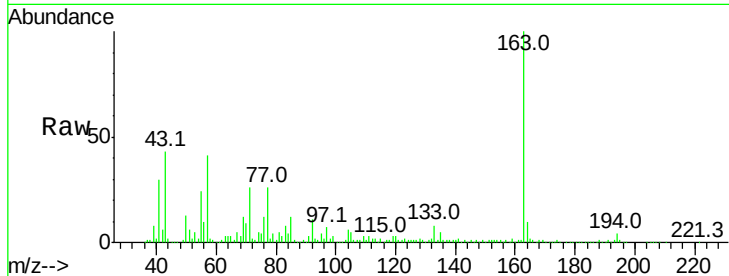
Tot Ion:163 Resp: 448432

Ion Ratio Lower Upper

163 100

194 3.6 3.5 5.3

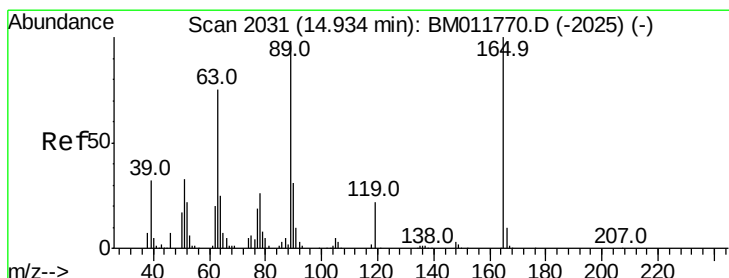
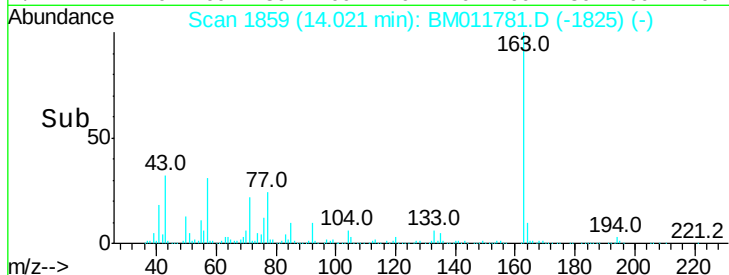
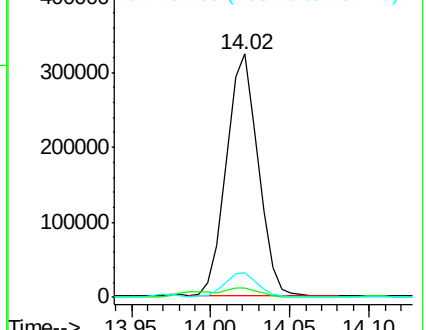
164 10.0 8.2 12.4



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



#54

2,4-Dinitrotoluene

Concen: 1.264 ng/ul

RT: 14.92 min Scan# 2011

Delta R.T. -0.02 min

Lab File: BM011781.D

Acq: 29 Sep 2017 23:38

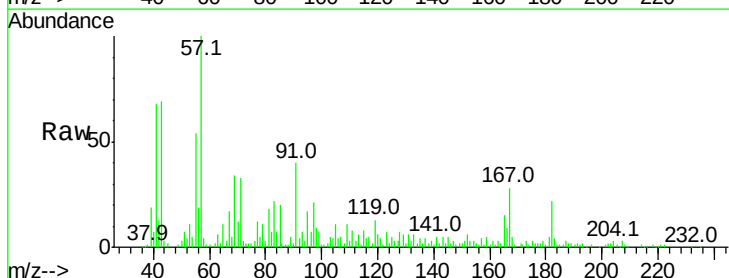
Tgt Ion:165 Resp: 15591

Ion Ratio Lower Upper

165 100

63 36.7 45.8 68.8#

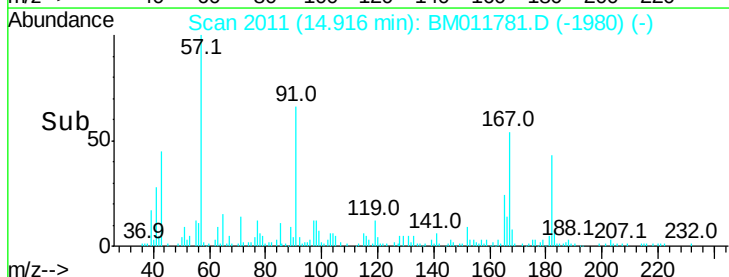
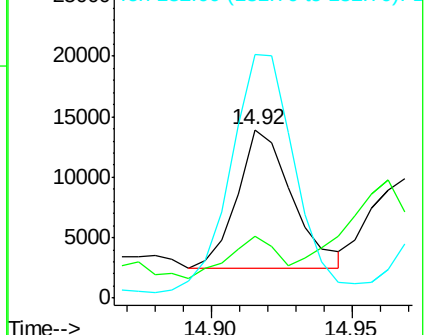
182 144.6 2.6 4.0#

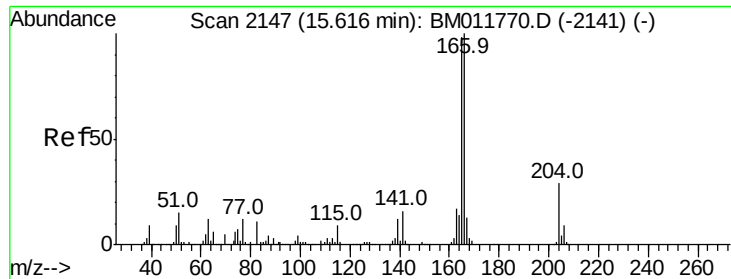


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E

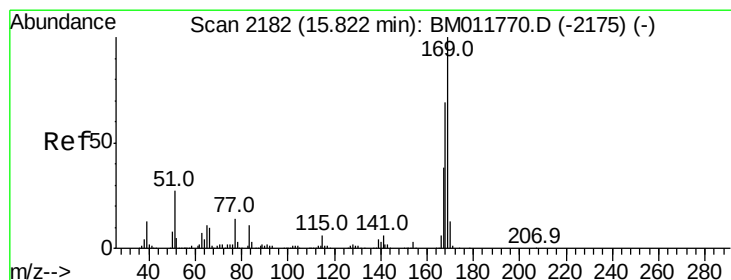
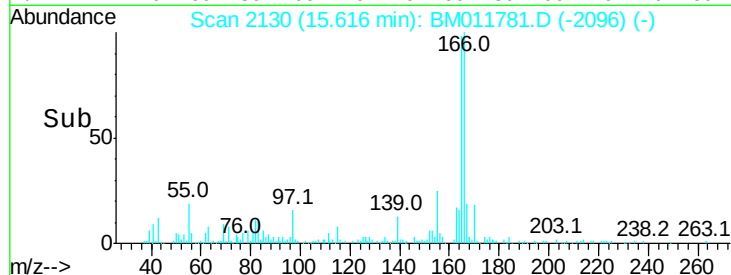
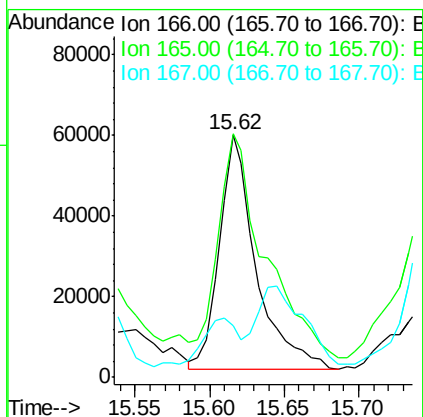
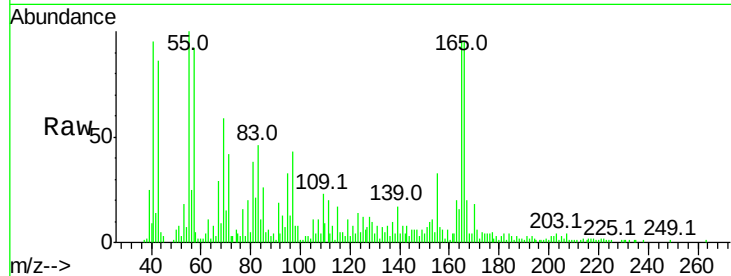




#58
 Fluorene
 Concen: 2.111 ng/ul
 RT: 15.62 min Scan# 2130
 Delta R.T. -0.00 min
 Lab File: BM011781.D
 Acq: 29 Sep 2017 23:38

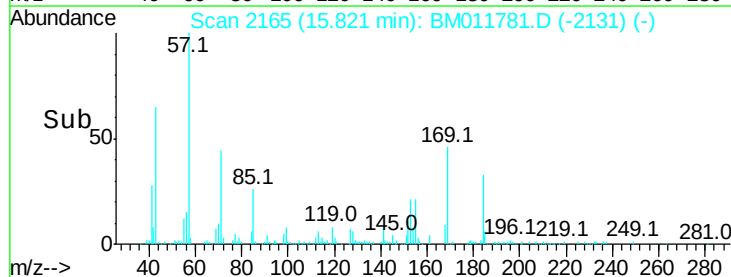
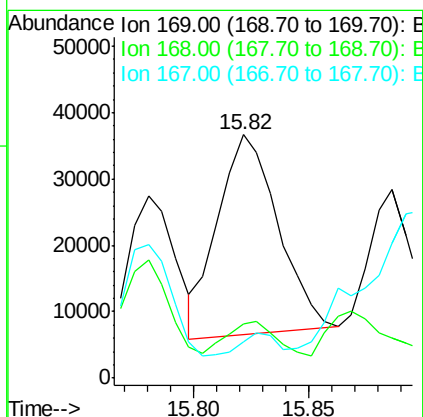
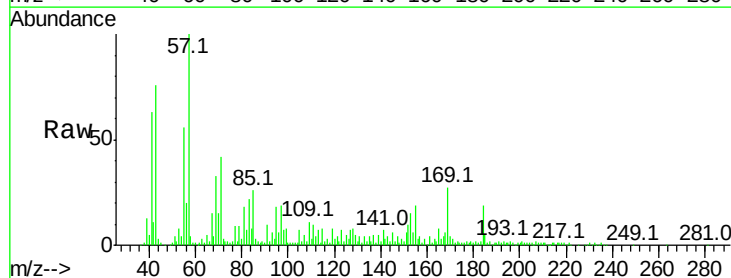
Instrument :
 BNA_M
 ClientSampleId :

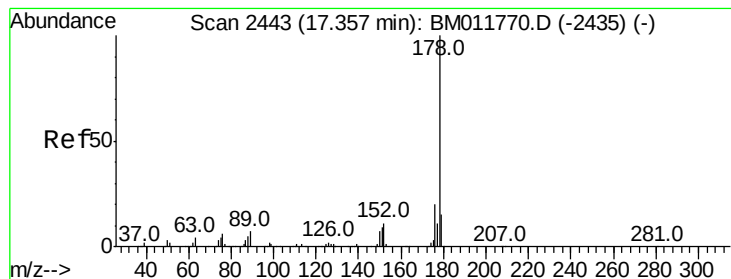
Tot Ion:166 Resp: 99555
 Ion Ratio Lower Upper
 166 100
 165 100.5 77.9 116.9
 167 21.5 10.6 16.0#



#64
 N-Nitrosodiphenylamine
 Concen: 1.700 ng/ul
 RT: 15.82 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: BM011781.D
 Acq: 29 Sep 2017 23:38

Tgt Ion:169 Resp: 54667
 Ion Ratio Lower Upper
 169 100
 168 22.4 54.0 81.0#
 167 14.9 29.1 43.7#





#69

Phenanthrene

Concen: 5.985 ng/ul

RT: 17.36 min Scan# 2426

Delta R.T. -0.00 min

Lab File: BM011781.D

Acq: 29 Sep 2017 23:38

Instrument :

BNA_M

ClientSampleId :

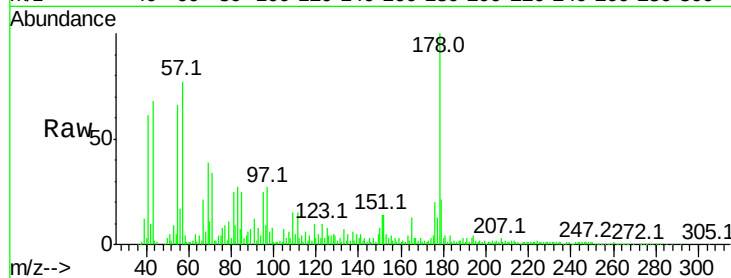
Tot Ion:178 Resp: 364518

Ion Ratio Lower Upper

178 100

179 20.6 12.6 19.0#

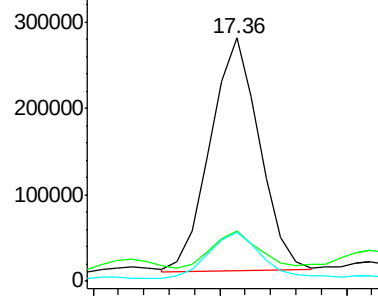
176 20.4 14.9 22.3



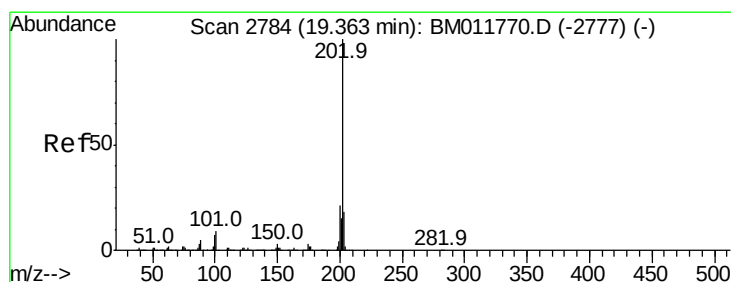
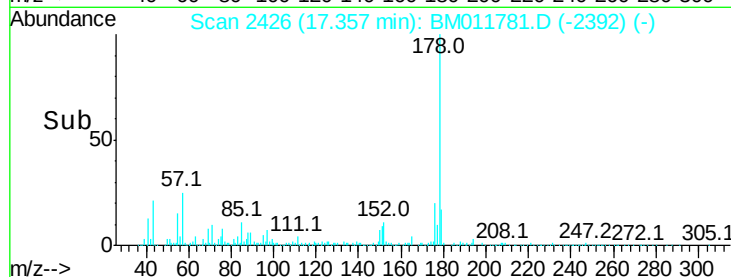
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.30 17.35 17.40



#74

Fluoranthene

Concen: 4.085 ng/ul

RT: 19.37 min Scan# 2768

Delta R.T. 0.01 min

Lab File: BM011781.D

Acq: 29 Sep 2017 23:38

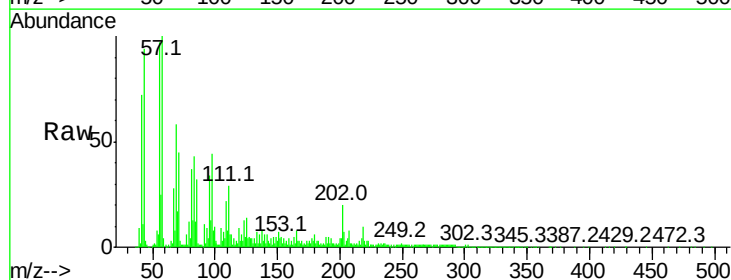
Tgt Ion:202 Resp: 303795

Ion Ratio Lower Upper

202 100

101 12.6 4.6 7.0#

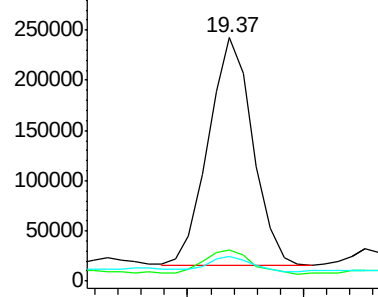
100 9.9 3.4 5.2#



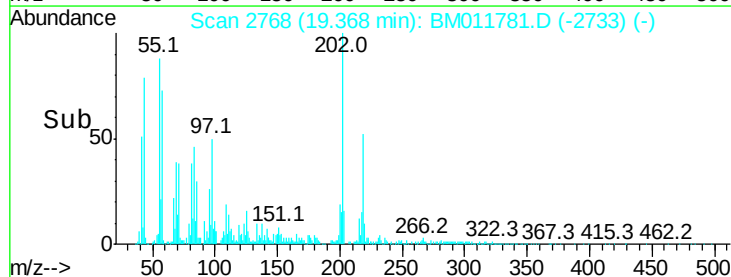
Abundance Ion 202.00 (201.70 to 202.70): E

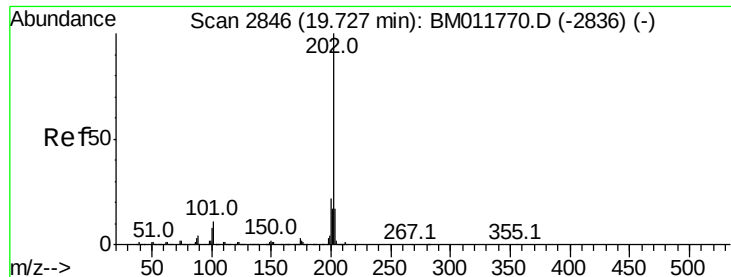
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.35 19.40





#77

Pvrene

Concen: 11.535 ng/ul

RT: 19.73 min Scan# 2830

Delta R.T. 0.01 min

Lab File: BM011781.D

Acq: 29 Sep 2017 23:38

Instrument :

BNA_M

ClientSampleId :

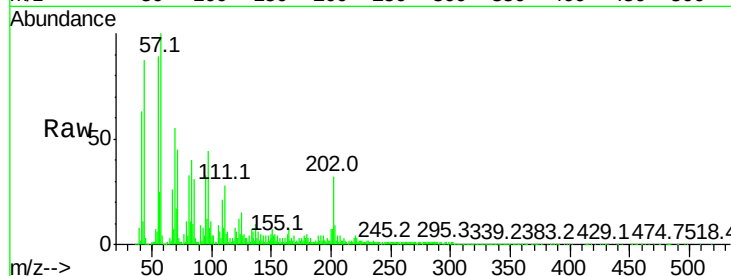
Tot Ion:202 Resp: 851879

Ion Ratio Lower Upper

202 100

101 12.7 5.1 7.7#

100 11.0 4.9 7.3#

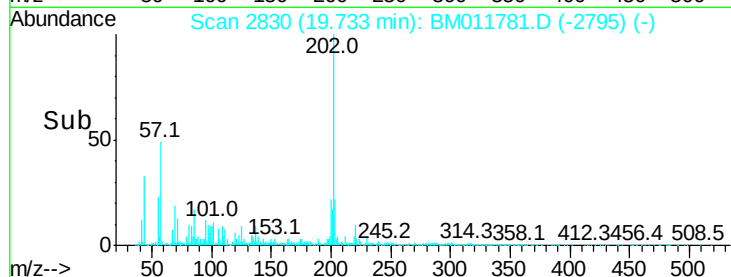


Abundance Ion 202.00 (201.70 to 202.70): E

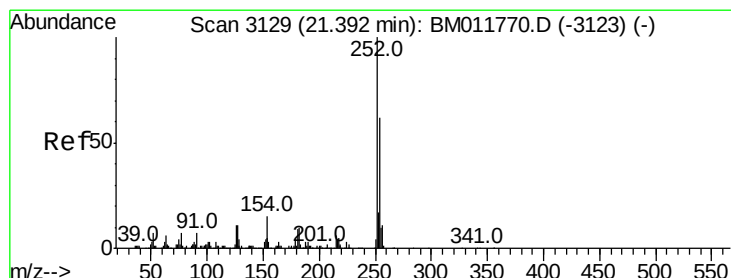
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

19.73



Time-->



#79

3,3'-Dichlorobenzidine

Concen: 1.621 ng/ul

RT: 21.41 min Scan# 3115

Delta R.T. 0.02 min

Lab File: BM011781.D

Acq: 29 Sep 2017 23:38

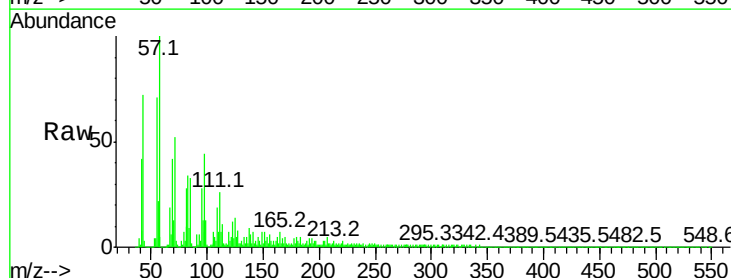
Tgt Ion:252 Resp: 38191

Ion Ratio Lower Upper

252 100

254 38.3 54.5 81.7#

126 519.2 5.8 8.8#

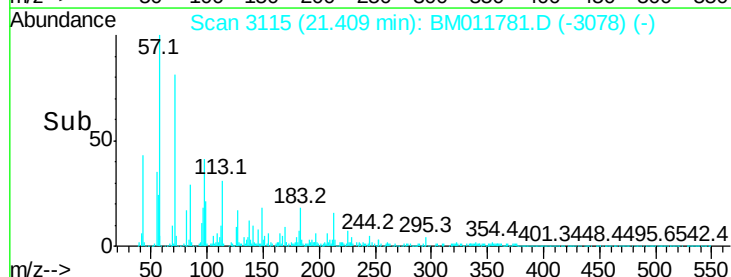


Abundance Ion 252.00 (251.70 to 252.70): E

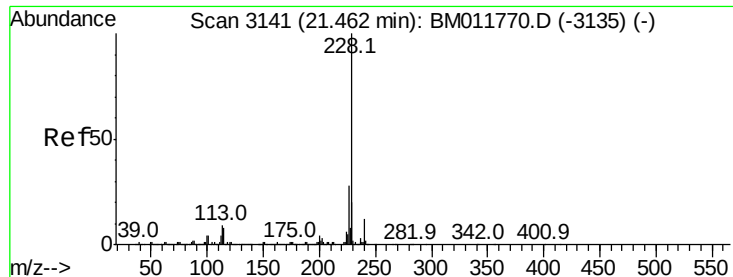
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

21.41



Time-->



#80

Benzo(a)anthracene

Concen: 3.003 ng/ul

RT: 21.49 min Scan# 3128

Delta R.T. 0.02 min

Lab File: BM011781.D

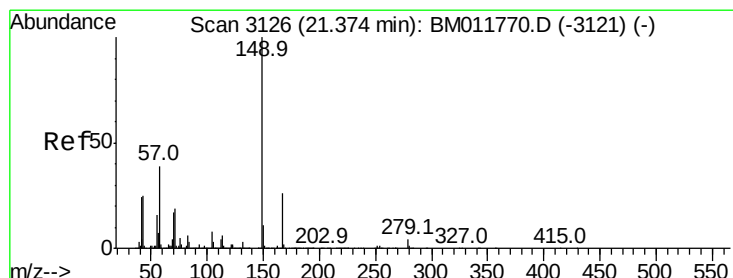
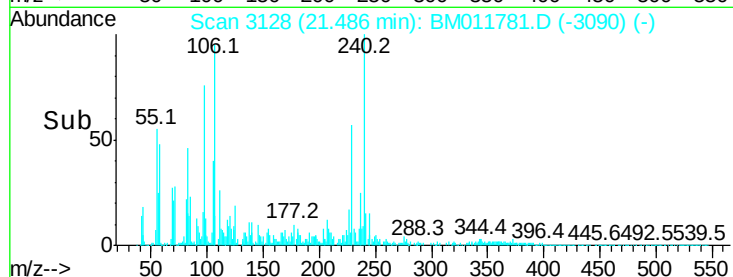
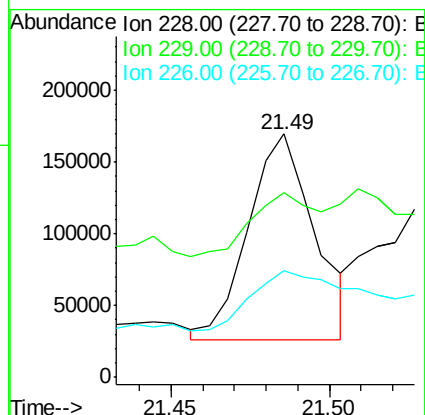
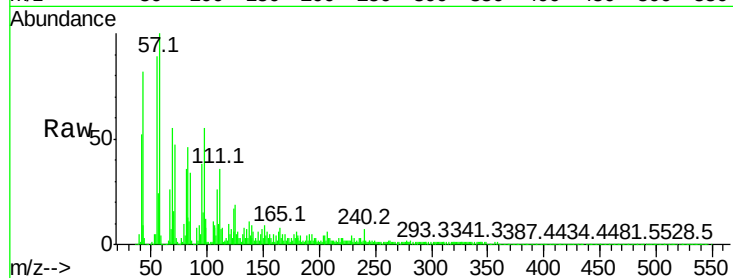
Acq: 29 Sep 2017 23:38

Instrument :

BNA_M

ClientSampleId :

Tot	Ion:228	Resp:	208235
Ion	Ratio	Lower	Upper
228	100		
229	75.8	15.4	23.0#
226	43.9	21.4	32.0#



#81

Bis(2-ethylhexyl)phthalate

Concen: 26.580 ng/ul

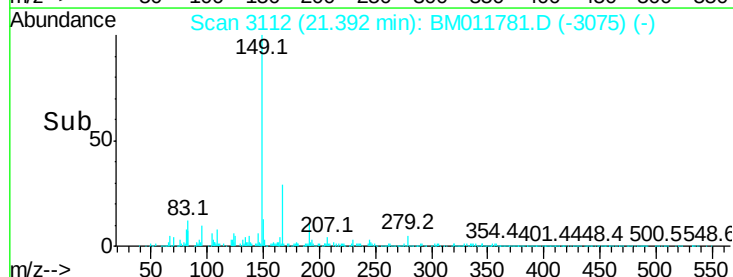
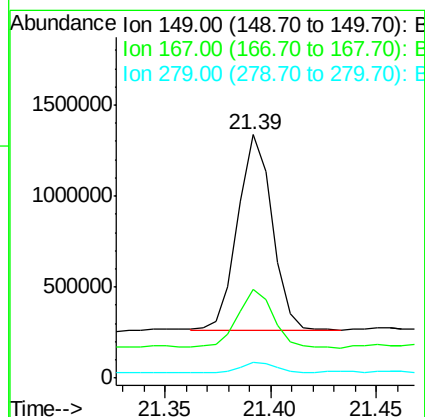
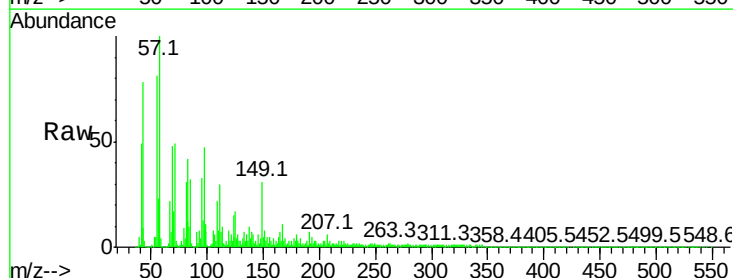
RT: 21.39 min Scan# 3112

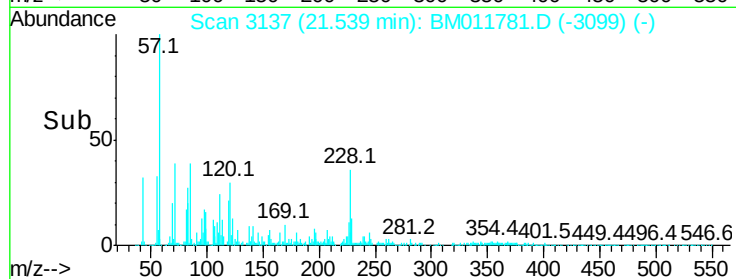
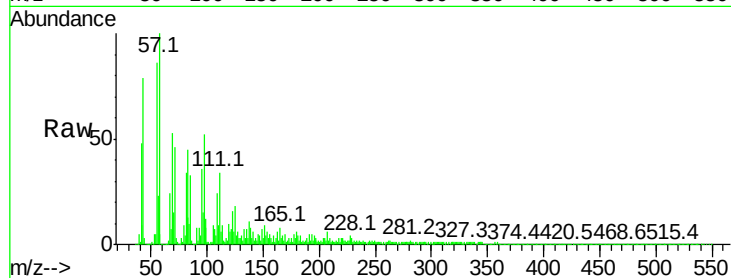
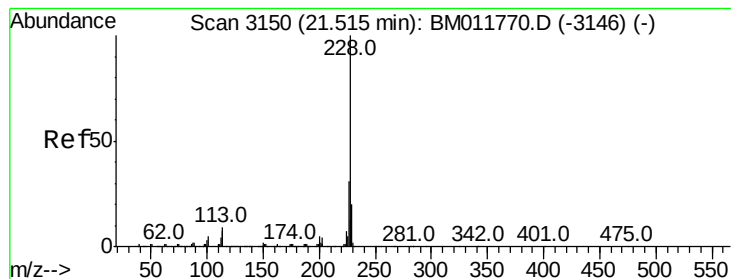
Delta R.T. 0.02 min

Lab File: BM011781.D

Acq: 29 Sep 2017 23:38

Tgt Ion:149	Resp: 1224660		
Ion Ratio	Lower	Upper	
149 100			
167 36.2	22.8	34.2#	
279 6.3	4.9	7.3	





#82

Chrysene

Concen: 4.296 ng/ul

RT: 21.54 min Scan# 3137

Delta R.T. 0.02 min

Lab File: BM011781.D

Acq: 29 Sep 2017 23:38

Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 280905

Ion Ratio Lower Upper

228 100

226 43.0 23.4 35.2#

229 70.6 15.5 23.3#

