

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101317\
 Data File : BM012164.D
 Acq On : 14 Oct 2017 09:16
 Operator : SJ/JU
 Sample : I5611-02 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 15 05:23:09 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 14 00:15:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	217796	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.63	136	829860	20.00	ng/ul	-0.03
35) Acenaphthene-d10	14.47	164	451525	20.00	ng/ul	-0.03
61) Phenanthrene-d10	17.22	188	983916	20.00	ng/ul	-0.03
75) Chrysene-d12	21.40	240	1108911	20.00	ng/ul	-0.03
83) Perylene-d12	23.72	264	1225613	20.00	ng/ul	-0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	4229	0.92	ng/uL	-0.01
5) Phenol-d5	6.99	99	123928	7.01	ng/ul	-0.03
7) Bis-(2-Chloroethyl)ether-d	7.15	67	88386	8.34	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.35	132	101203	6.75	ng/ul	-0.03
13) 4-Methylphenol-d8	8.53	113	100239	6.59	ng/ul	-0.04
19) Nitrobenzene-d5	8.99	128	62014	9.79	ng/ul	-0.02
22) 2-Nitrophenol-d4	9.71	143	55697	7.53	ng/ul	-0.03
26) 2,4-Dichlorophenol-d3	10.26	165	107946	7.64	ng/ul	-0.03
29) 4-Chloroaniline-d4	10.77	131	66776	5.05	ng/ul	-0.02
43) Dimethylphthalate-d6	13.88	166	328940	8.24	ng/ul	-0.02
46) Acenaphthylene-d8	14.17	160	393410	8.14	ng/ul	-0.03
51) 4-Nitrophenol-d4	14.72	143	16345	2.72	ng/ul	-0.02
57) Fluorene-d10	15.47	176	273542	8.35	ng/ul	-0.03
62) 4,6-Dinitro-2-methylphenol	15.62	200	11470	1.70	ng/ul	-0.04
70) Anthracene-d10	17.32	188	428535	8.81	ng/ul	-0.03
76) Pyrene-d10	19.62	212	473236	8.41	ng/ul	-0.03
87) Benzo(a)pyrene-d12	23.57	264	507616	8.59	ng/ul	-0.05

Target Compounds

				Ovalue	
4) Benzaldehyde	6.95	77	17349	1.469	ng/ul# 51
14) Acetophenone	8.62	105	78626	3.400	ng/ul# 40
16) 4-Methylphenol	8.59	108	74306	4.908	ng/ul# 72
17) Hexachloroethane	8.92	117	170414	26.400	ng/ul# 1
20) Nitrobenzene	9.01	77	47158	2.997	ng/ul# 29
21) Isophorone	9.53	82	63624	2.164	ng/ul# 1
28) Naphthalene	10.67	128	295923	6.892	ng/ul# 94
32) Caprolactam	11.63	113	15081	3.433	ng/ul 85
34) 2-Methylnaphthalene	12.29	142	175177	5.407	ng/ul 96
44) Dimethylphthalate	13.93	163	104603	2.616	ng/ul 99
49) Acenaphthene	14.54	153	56998	1.784	ng/ul 97
53) Dibenzofuran	14.87	168	57689	1.254	ng/ul 98
58) Fluorene	15.52	166	76183	1.994	ng/ul 99
69) Phenanthrene	17.26	178	929517	16.607	ng/ul 99
71) Anthracene	17.36	178	261939	4.520	ng/ul 98
74) Fluoranthene	19.28	202	1630549	24.139	ng/ul# 93
77) Pyrene	19.64	202	1561522	21.322	ng/ul# 93
80) Benzo(a)anthracene	21.39	228	894984	12.403	ng/ul 97
81) Bis(2-ethylhexyl)phthalate	21.29	149	74478	1.523	ng/ul# 97
82) Chrysene	21.44	228	799148	11.796	ng/ul 96
85) Benzo(b)fluoranthene	23.02	252	1054418	13.183	ng/ul# 96
86) Benzo(k)fluoranthene	23.02	252	1054418	13.680	ng/ul# 94
88) Benzo(a)pyrene	23.61	252	797489	10.579	ng/ul# 96

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 14 00:15:07 2017
Response via : Initial Calibration

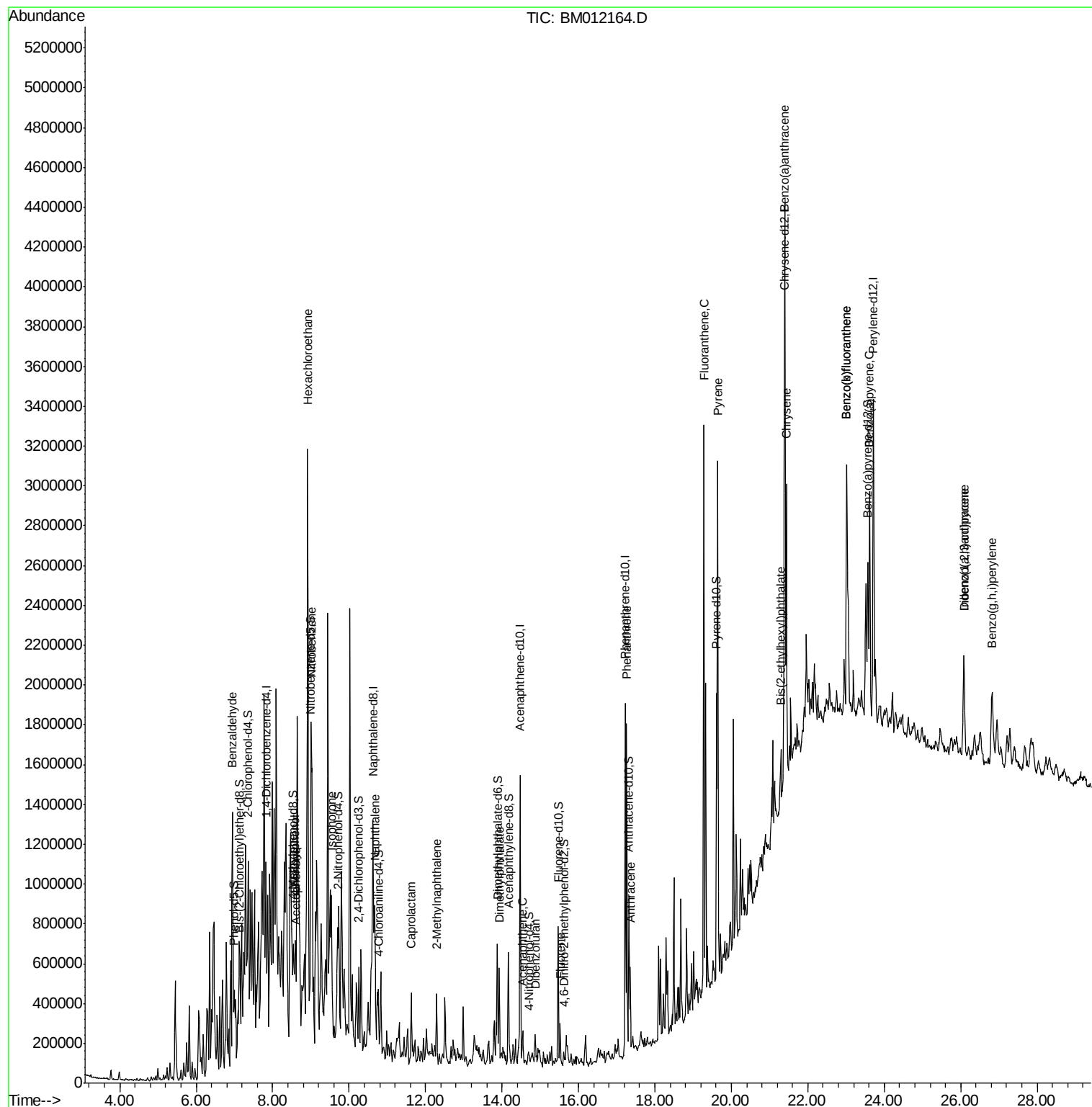
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	26.09	276	490983	6.133	ng/ul#	96
90) Dibenzo(a,h)anthracene	26.09	278	129682	1.927	ng/ul#	78
91) Benzo(q,h,i)perylene	26.82	276	459568	7.009	ng/ul#	91

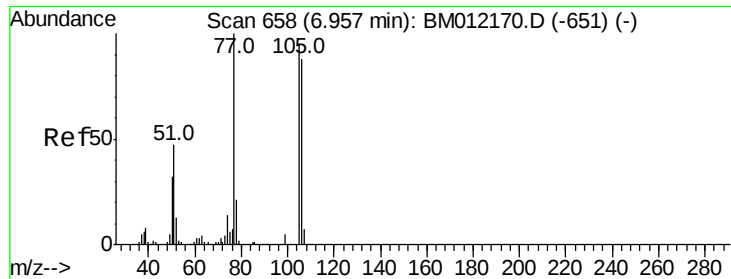
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : I5611-02 5X
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Instrument :
BNA_M
ClientSampled :

Quant Time: Oct 15 05:23:09 2017
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QLast Update : Sat Oct 14 00:15:07 2017
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#4

Benzaldehyde

Concen: 1.469 ng/ul

RT: 6.95 min Scan# 656

Delta R.T. -0.05 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

Instrument :

BNA_M

ClientSampleId :

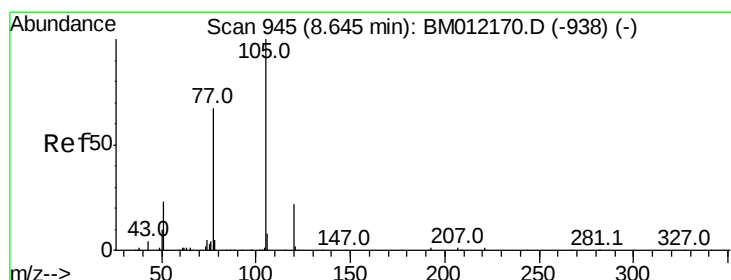
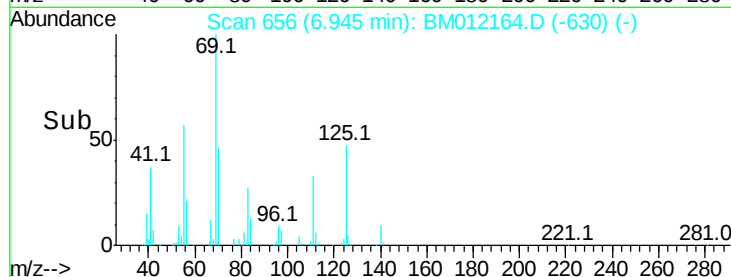
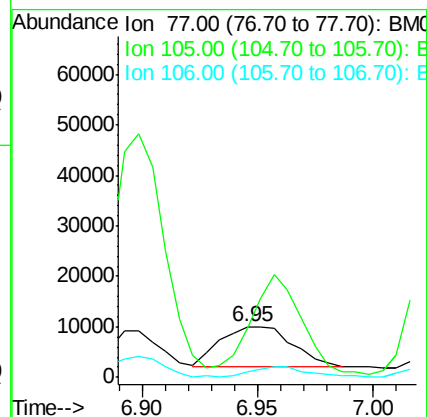
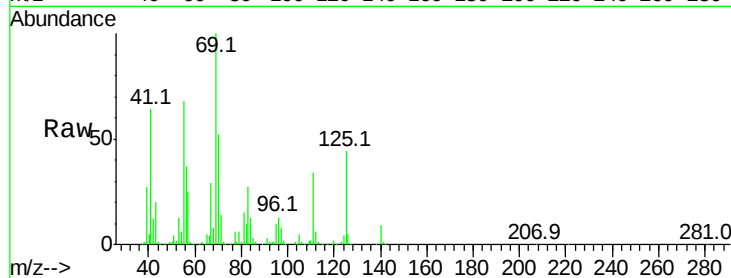
Tot Ion: 77 Resp: 17349

Ion Ratio Lower Upper

77 100

105 97.1 66.1 99.1

106 11.4 67.8 101.6#



#14

Acetophenone

Concen: 3.400 ng/ul

RT: 8.62 min Scan# 940

Delta R.T. -0.06 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

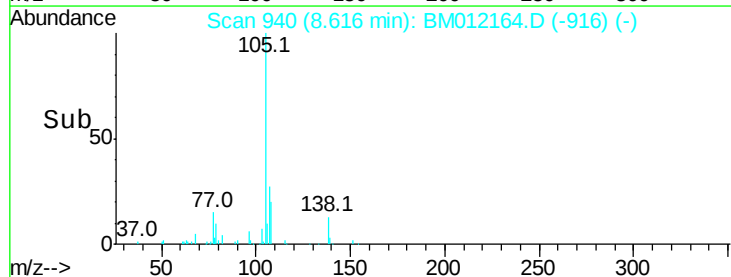
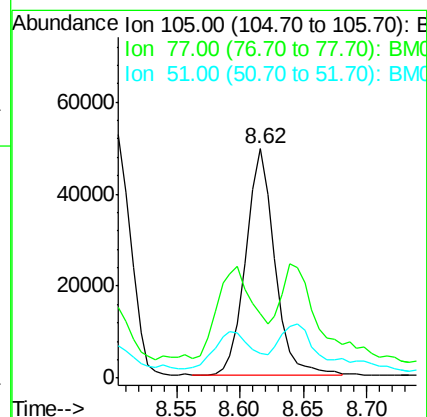
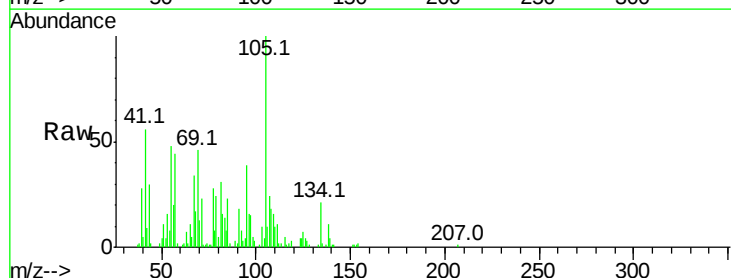
Tgt Ion: 105 Resp: 78626

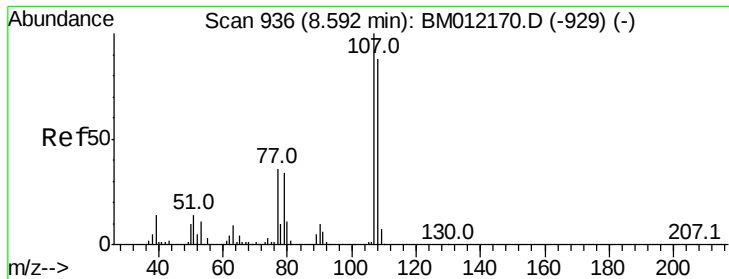
Ion Ratio Lower Upper

105 100

77 28.2 74.2 111.4#

51 10.8 23.4 35.2#





#16

4-Methylphenol

Concen: 4.908 ng/ul

RT: 8.59 min Scan# 936

Delta R.T. -0.04 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

Instrument :

BNA_M

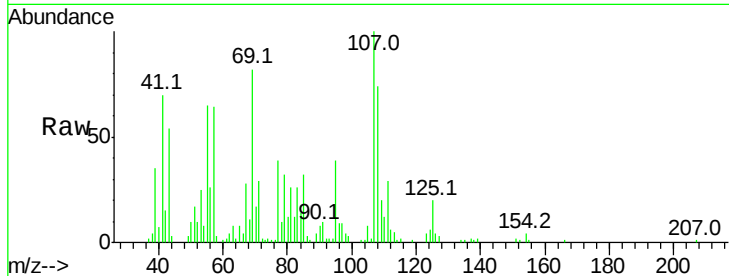
ClientSampleId :

Tot Ion:108 Resp: 74306

Ion Ratio Lower Upper

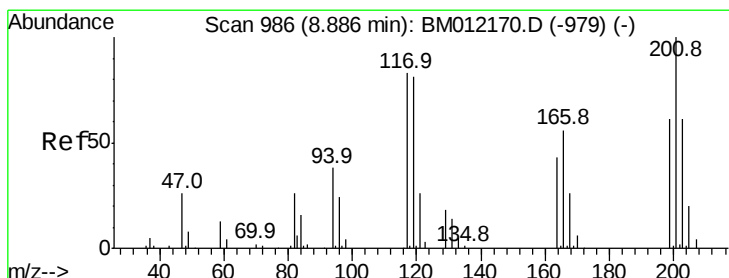
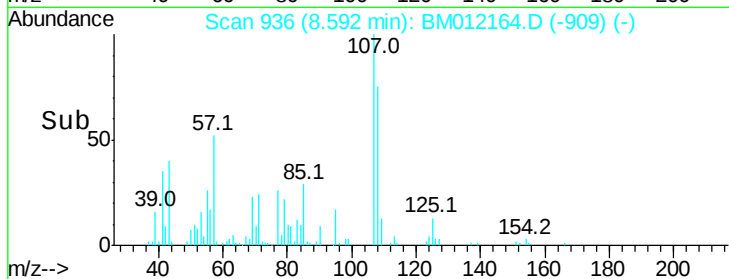
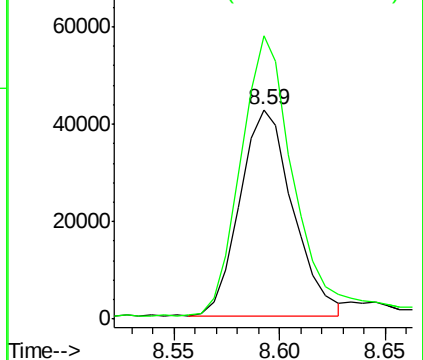
108 100

107 135.2 84.9 127.3#



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#17

Hexachloroethane

Concen: 26.400 ng/ul

RT: 8.92 min Scan# 992

Delta R.T. -0.00 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

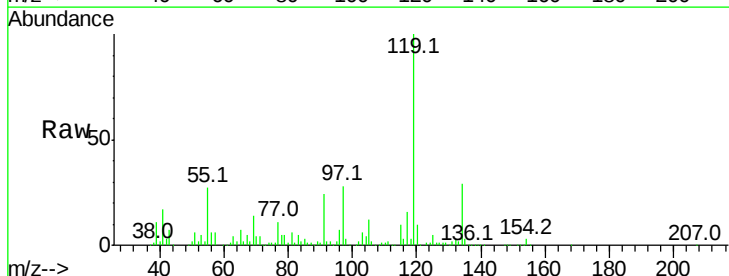
Tgt Ion:117 Resp: 170414

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

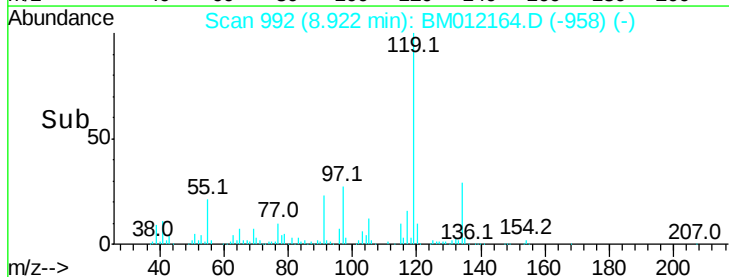
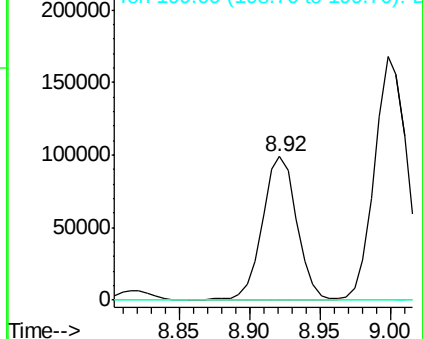
199 0.0 67.8 101.6#

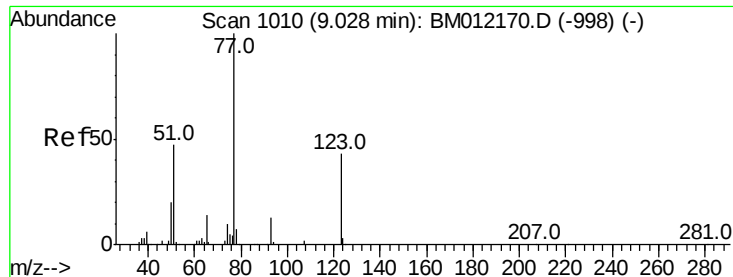


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

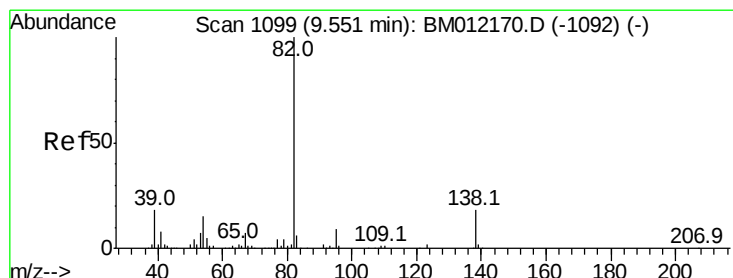
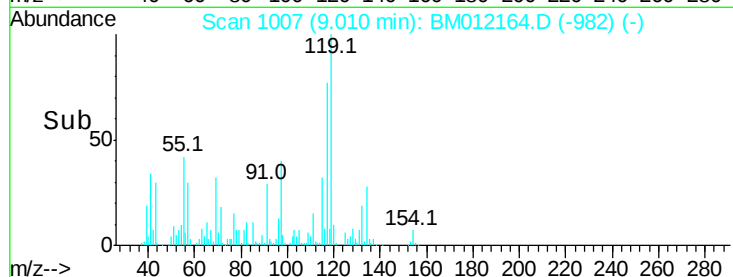
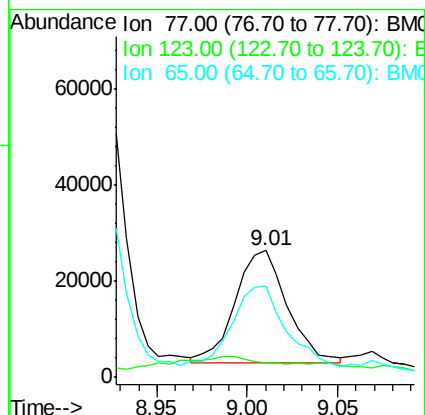
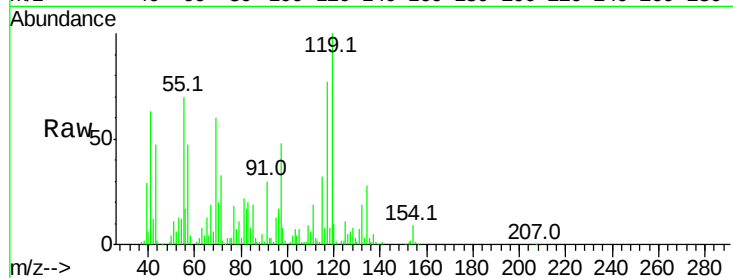




#20
Nitrobenzene
Concen: 2.997 ng/ul
RT: 9.01 min Scan# 1007
Delta R.T. -0.05 min
Lab File: BM012164.D
Acq: 14 Oct 2017 09:16

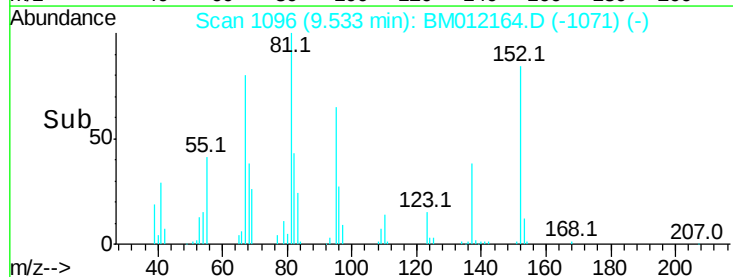
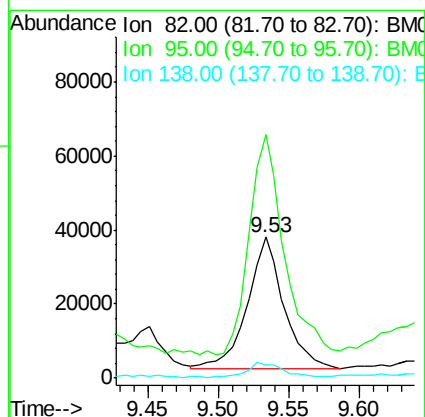
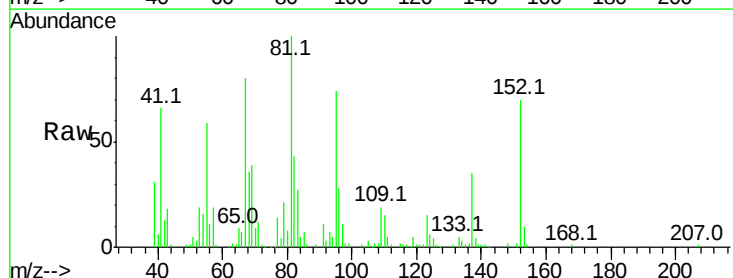
Instrument :
BNA_M
ClientSampleId :

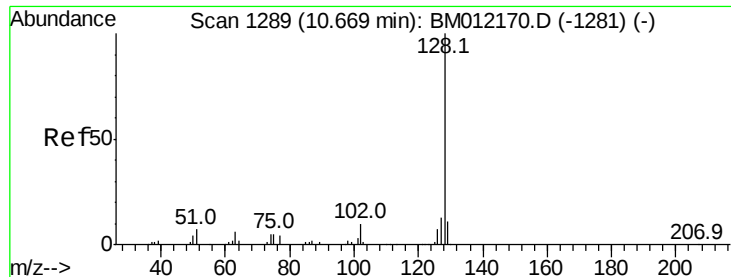
Tot Ion: 77 Resp: 47158
Ion Ratio Lower Upper
77 100
123 11.4 31.0 46.6#
65 72.3 12.2 18.2#



#21
Isophorone
Concen: 2.164 ng/ul
RT: 9.53 min Scan# 1096
Delta R.T. -0.05 min
Lab File: BM012164.D
Acq: 14 Oct 2017 09:16

Tgt Ion: 82 Resp: 63624
Ion Ratio Lower Upper
82 100
95 172.8 7.8 11.8#
138 9.8 11.9 17.9#

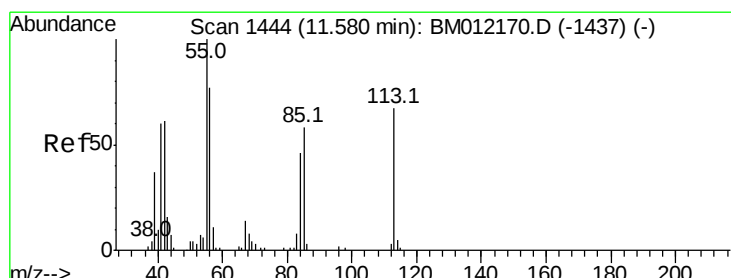
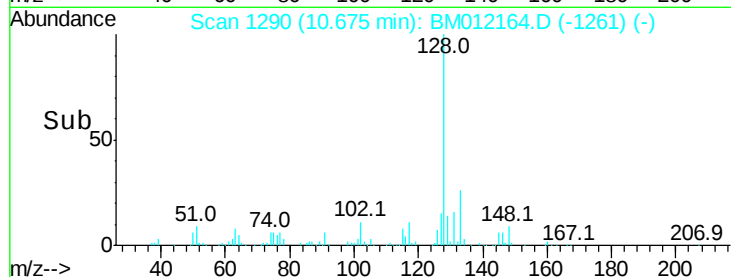
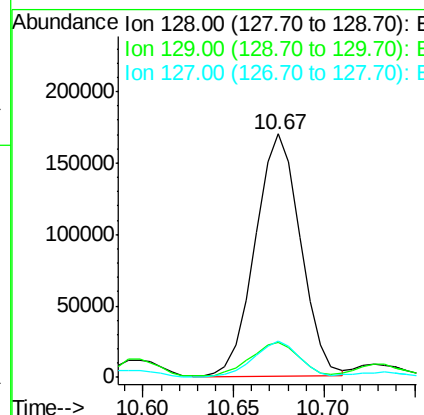
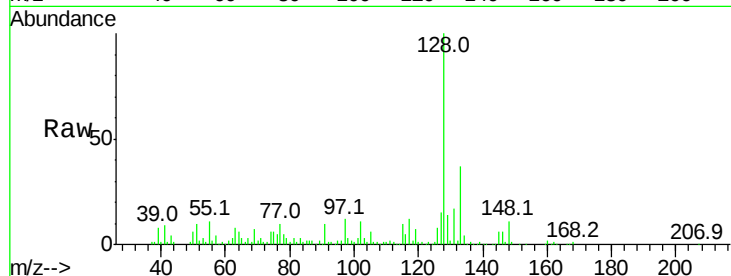




#28
Naphthalene
Concen: 6.892 ng/ul
RT: 10.67 min Scan# 1290
Delta R.T. -0.03 min
Lab File: BM012164.D
Acq: 14 Oct 2017 09:16

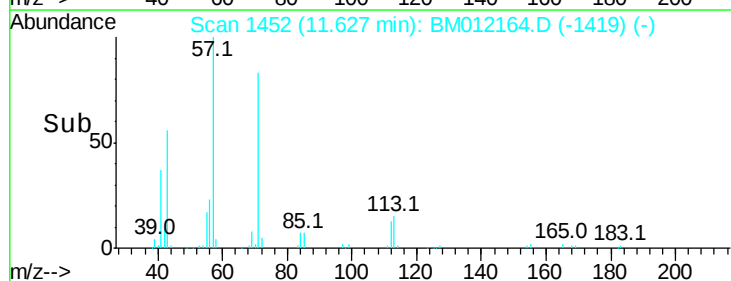
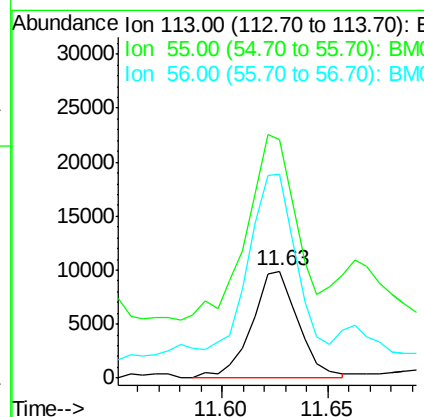
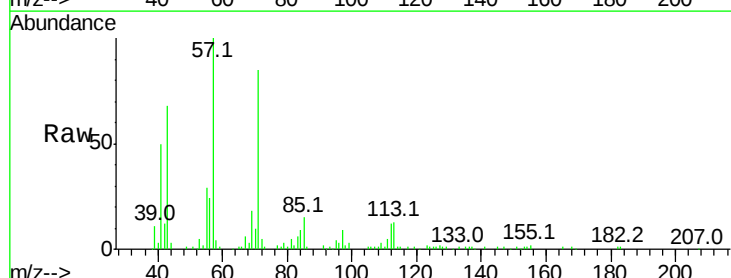
Instrument :
BNA_M
ClientSampled :

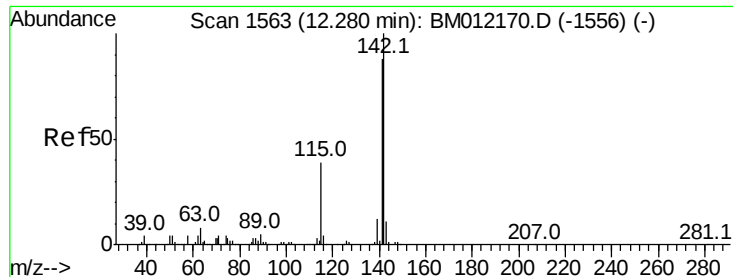
Tot Ion:128 Resp: 295923
Ion Ratio Lower Upper
128 100
129 14.2 8.8 13.2#
127 14.9 10.6 16.0



#32
Caprolactam
Concen: 3.433 ng/ul
RT: 11.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BM012164.D
Acq: 14 Oct 2017 09:16

Tgt Ion:113 Resp: 15081
Ion Ratio Lower Upper
113 100
55 222.5 208.0 312.0
56 190.6 160.0 240.0

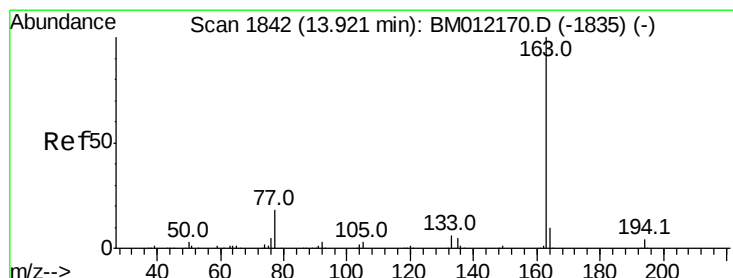
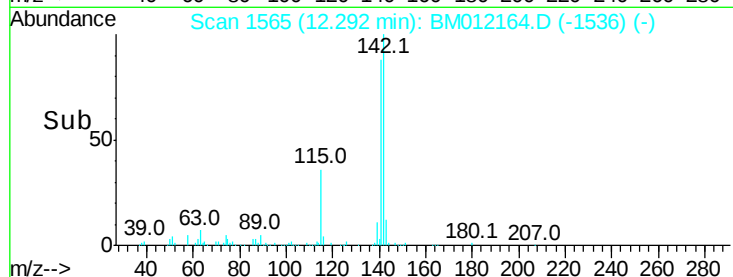
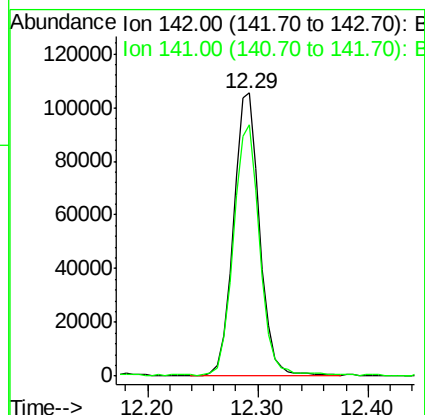
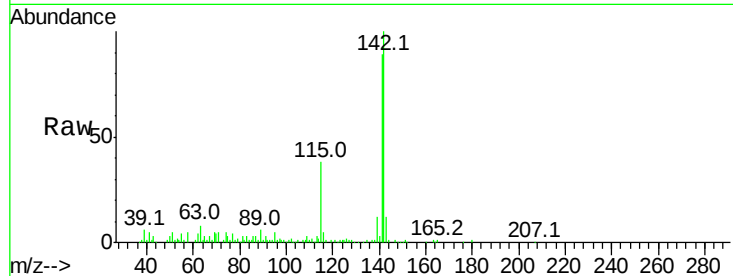




#34
 2-Methylnaphthalene
 Concen: 5.407 ng/ul
 RT: 12.29 min Scan# 1565
 Delta R.T. -0.03 min
 Lab File: BM012164.D
 Acq: 14 Oct 2017 09:16

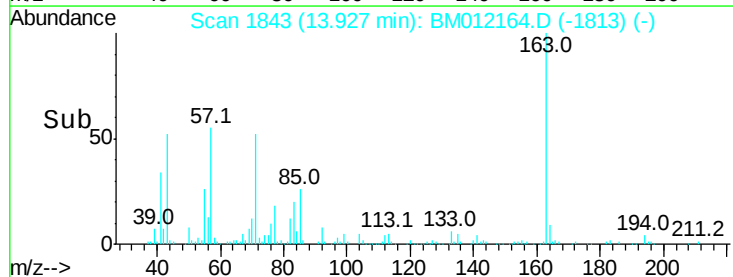
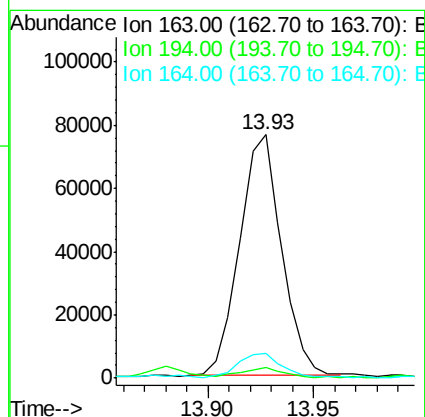
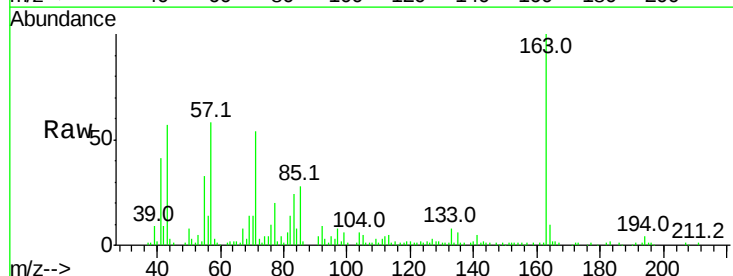
Instrument :
 BNA_M
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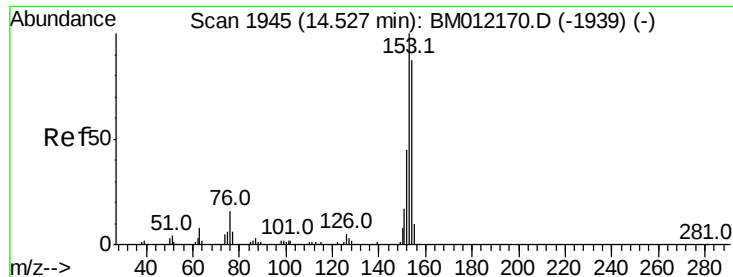
Tot Ion:142 Resp: 175177
 Ion Ratio Lower Upper
 142 100
 141 88.6 74.1 111.1



#44
 Dimethylphthalate
 Concen: 2.616 ng/ul
 RT: 13.93 min Scan# 1843
 Delta R.T. -0.02 min
 Lab File: BM012164.D
 Acq: 14 Oct 2017 09:16

Tgt Ion:163 Resp: 104603
 Ion Ratio Lower Upper
 163 100
 194 4.4 3.5 5.3
 164 9.9 8.2 12.4





#49

Acenaphthene

Concen: 1.784 ng/ul

RT: 14.54 min Scan# 1947

Delta R.T. -0.03 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

Instrument :

BNA_M

ClientSampleId :

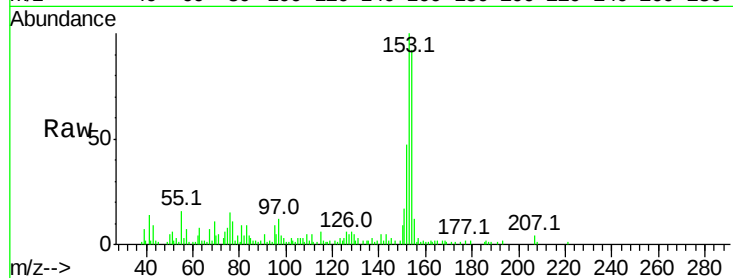
Tot Ion:153 Resp: 56998

Ion Ratio Lower Upper

153 100

152 46.5 37.6 56.4

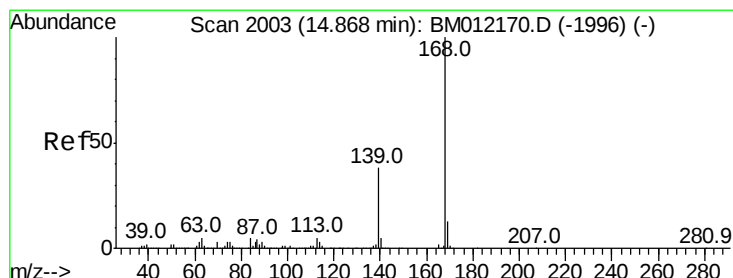
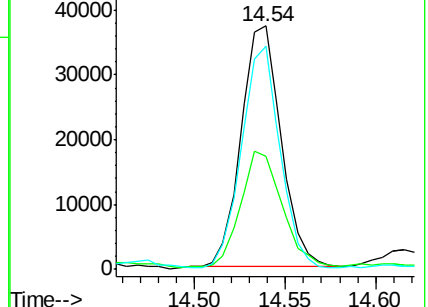
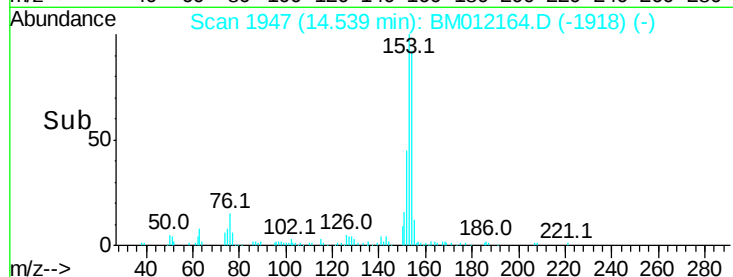
154 91.8 70.4 105.6



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: 1.254 ng/ul

RT: 14.87 min Scan# 2004

Delta R.T. -0.03 min

Lab File: BM012164.D

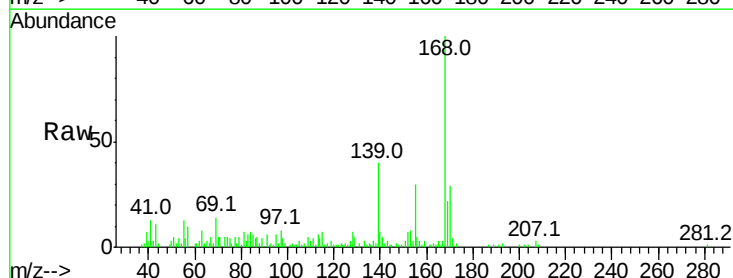
Acq: 14 Oct 2017 09:16

Tgt Ion:168 Resp: 57689

Ion Ratio Lower Upper

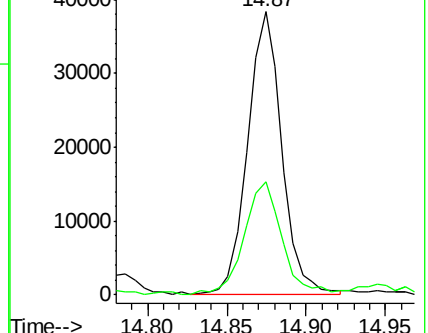
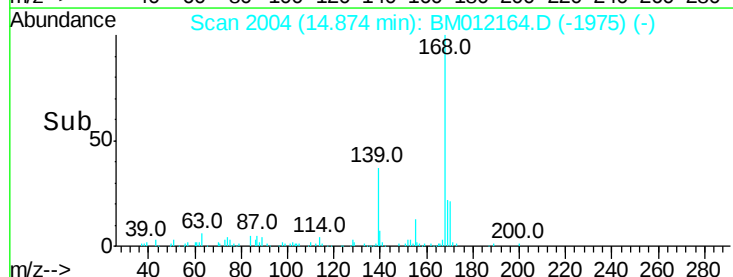
168 100

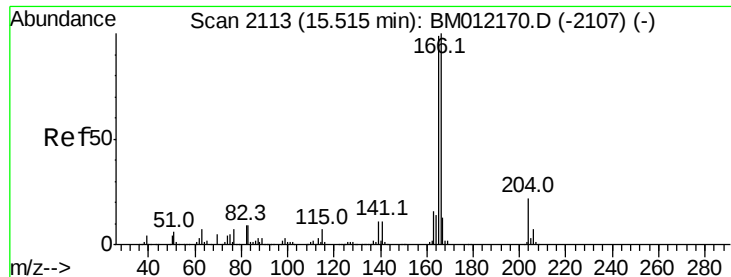
139 39.9 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

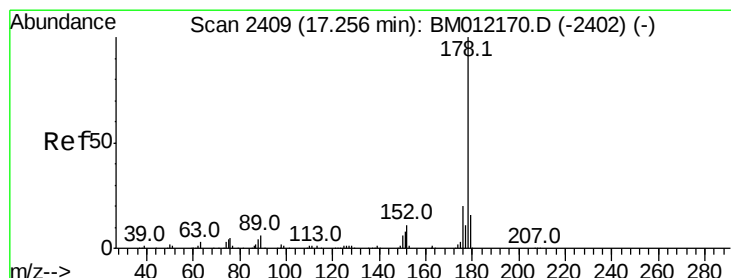
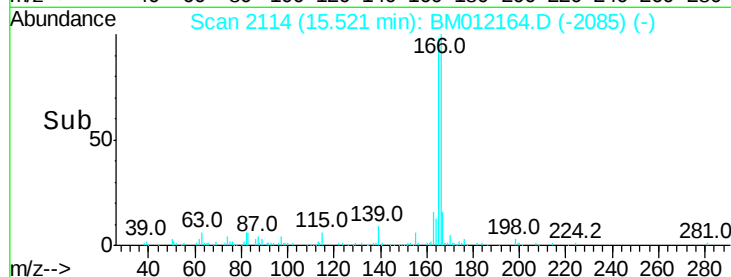
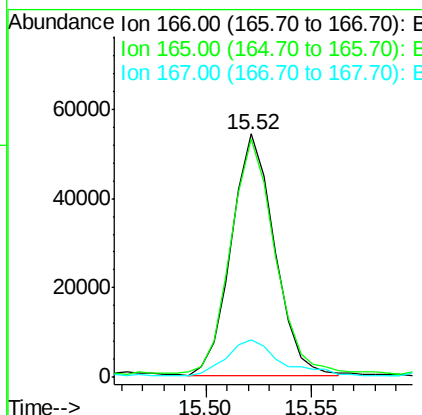
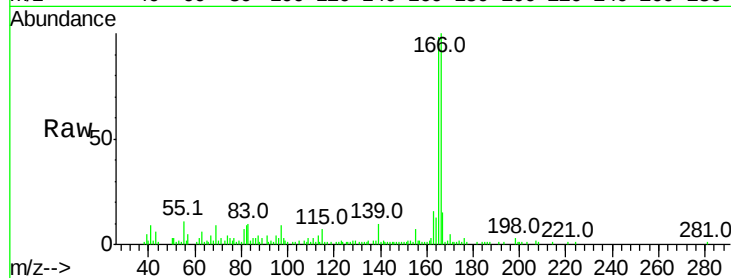




#58
 Fluorene
 Concen: 1.994 ng/ul
 RT: 15.52 min Scan# 2114
 Delta R.T. -0.03 min
 Lab File: BM012164.D
 Acq: 14 Oct 2017 09:16

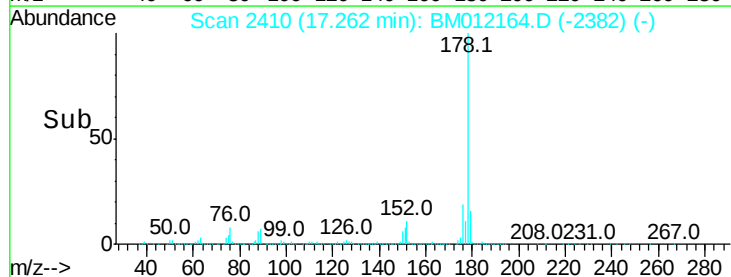
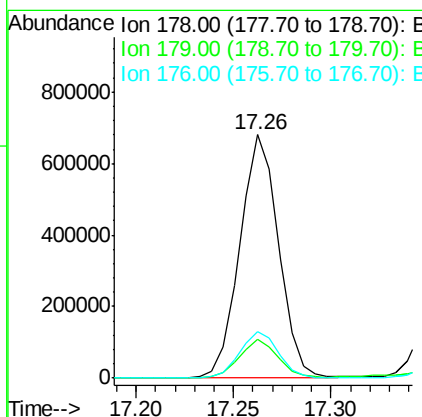
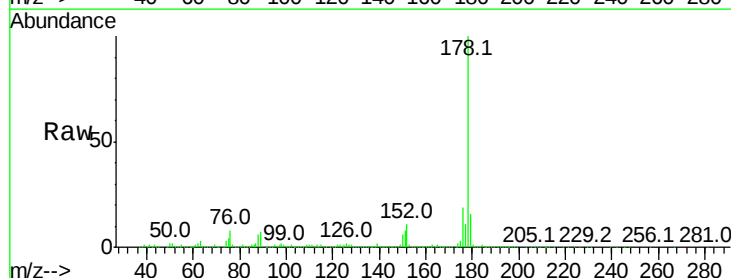
Instrument :
 BNA_M
 ClientSampleId :

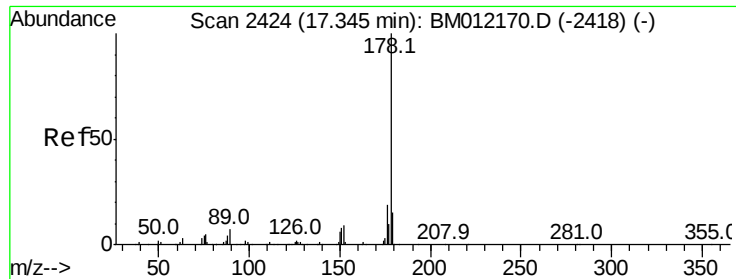
Tot Ion:166 Resp: 76183
 Ion Ratio Lower Upper
 166 100
 165 98.0 77.9 116.9
 167 15.5 10.6 16.0



#69
 Phenanthrene
 Concen: 16.607 ng/ul
 RT: 17.26 min Scan# 2410
 Delta R.T. -0.04 min
 Lab File: BM012164.D
 Acq: 14 Oct 2017 09:16

Tgt Ion:178 Resp: 929517
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.6 19.0
 176 19.2 14.9 22.3

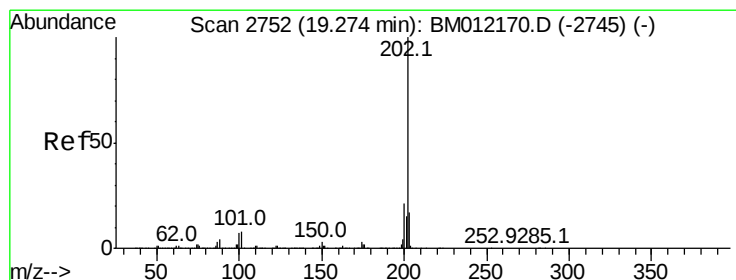
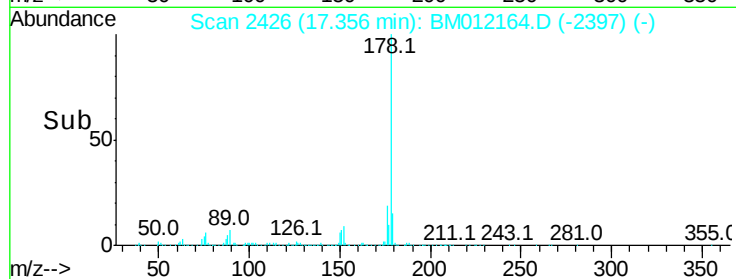
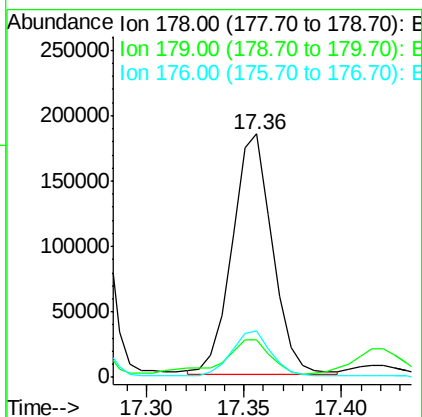
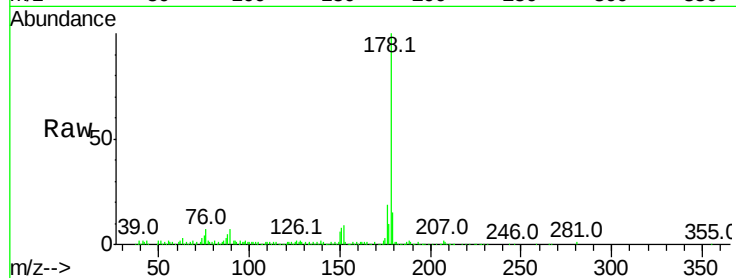




#71
 Anthracene
 Concen: 4.520 ng/ul
 RT: 17.36 min Scan# 2426
 Delta R.T. -0.03 min
 Lab File: BM012164.D
 Acq: 14 Oct 2017 09:16

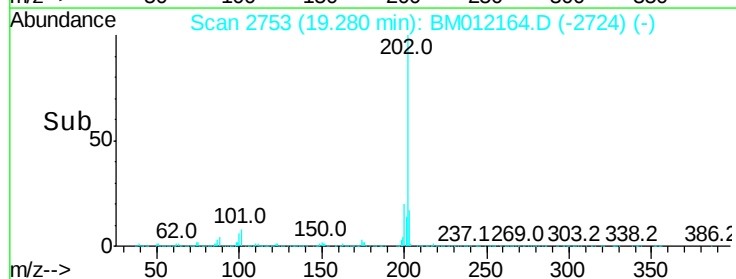
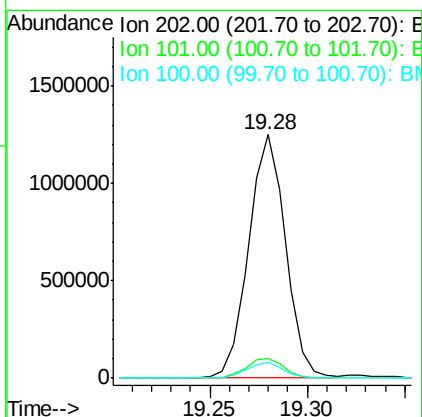
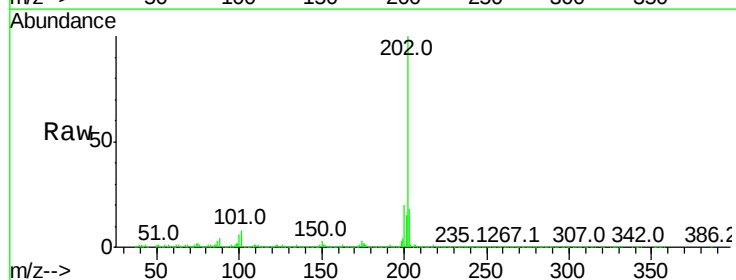
Instrument :
 BNA_M
 ClientSampleId :

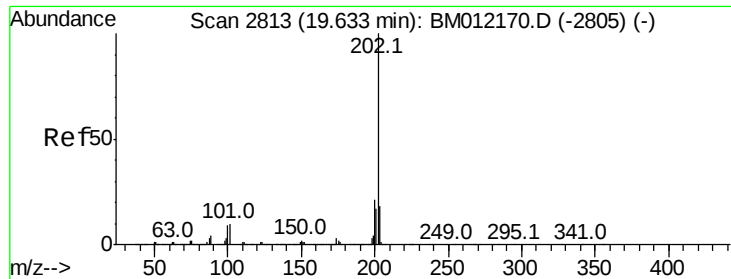
Tot Ion:178 Resp: 261939
 Ion Ratio Lower Upper
 178 100
 179 15.4 11.7 17.5
 176 19.2 14.6 21.8



#74
 Fluoranthene
 Concen: 24.139 ng/ul
 RT: 19.28 min Scan# 2753
 Delta R.T. -0.03 min
 Lab File: BM012164.D
 Acq: 14 Oct 2017 09:16

Tgt Ion:202 Resp: 1630549
 Ion Ratio Lower Upper
 202 100
 101 8.2 4.6 7.0#
 100 6.4 3.4 5.2#

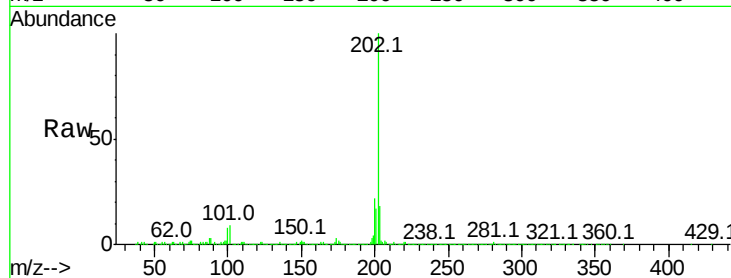




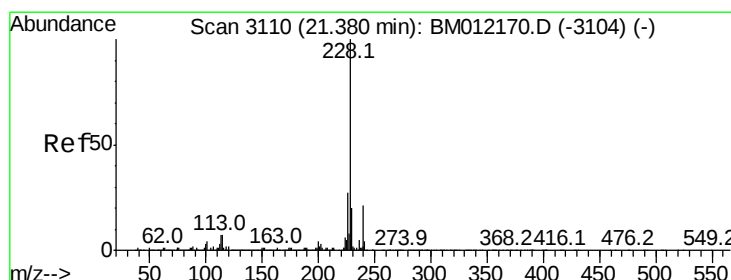
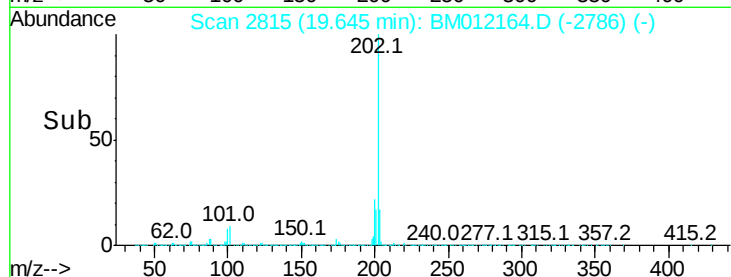
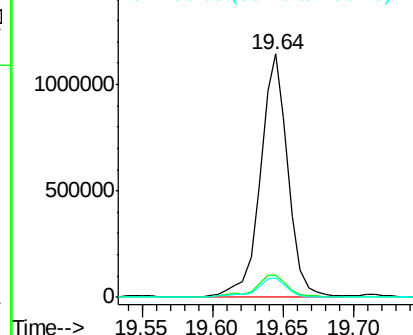
#77
Pvrene
Concen: 21.322 ng/ul
RT: 19.64 min Scan# 2815
Delta R.T. -0.03 min
Lab File: BM012164.D
Acq: 14 Oct 2017 09:16

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 1561522
Ion Ratio Lower Upper
202 100
101 9.2 5.1 7.7#
100 8.1 4.9 7.3#

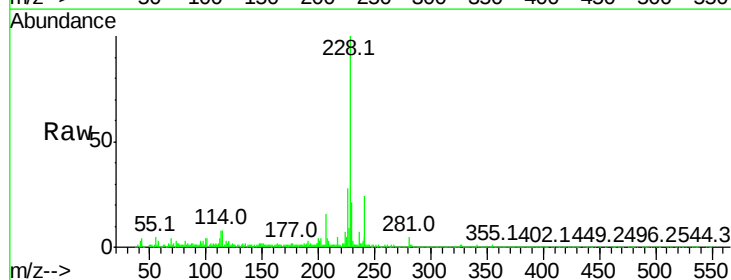


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

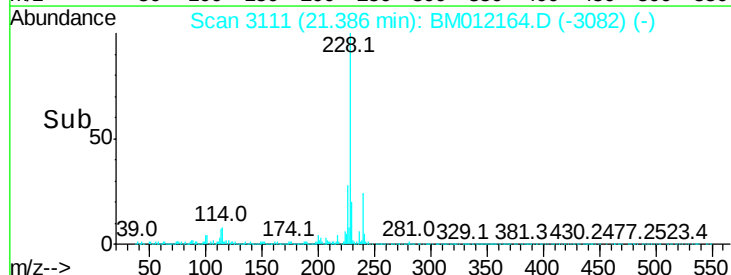
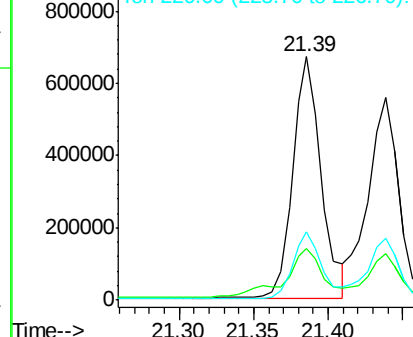


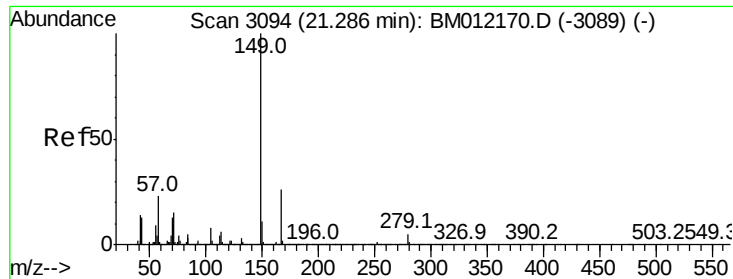
#80
Benzo(a)anthracene
Concen: 12.403 ng/ul
RT: 21.39 min Scan# 3111
Delta R.T. -0.03 min
Lab File: BM012164.D
Acq: 14 Oct 2017 09:16

Tgt Ion:228 Resp: 894984
Ion Ratio Lower Upper
228 100
229 21.3 15.4 23.0
226 28.1 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: 1.523 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. -0.02 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

Instrument :

BNA_M

ClientSampleId :

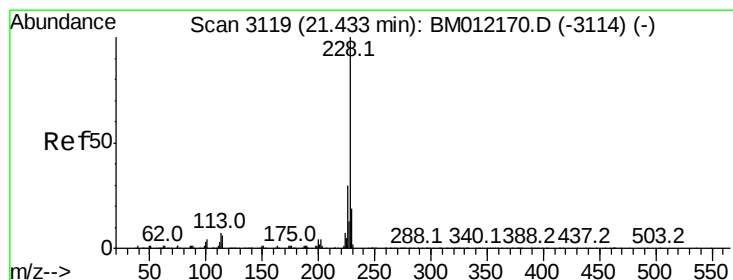
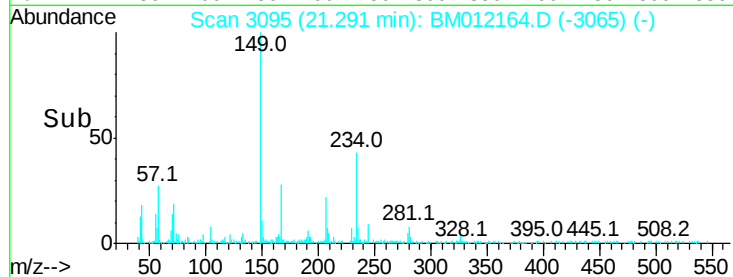
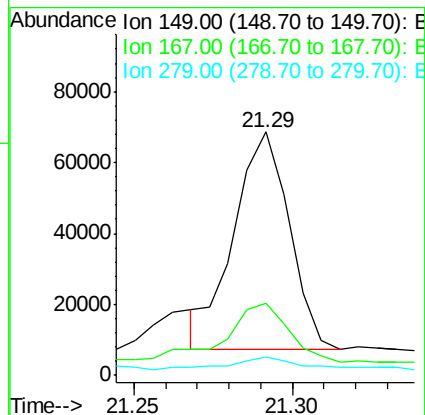
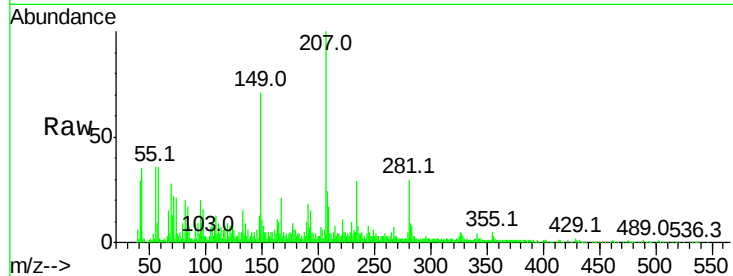
Tot Ion:149 Resp: 74478

Ion Ratio Lower Upper

149 100

167 29.8 22.8 34.2

279 7.4 4.9 7.3#



#82

Chrysene

Concen: 11.796 ng/ul

RT: 21.44 min Scan# 3120

Delta R.T. -0.03 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

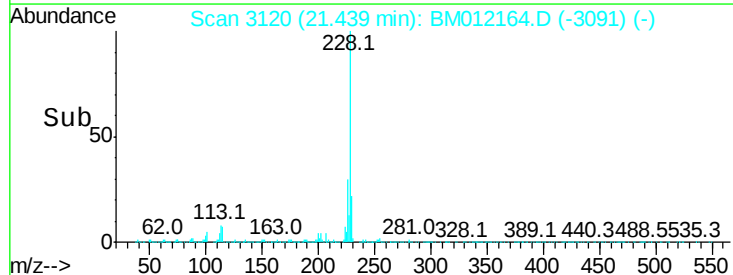
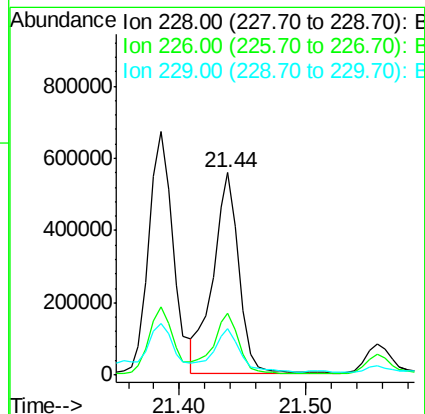
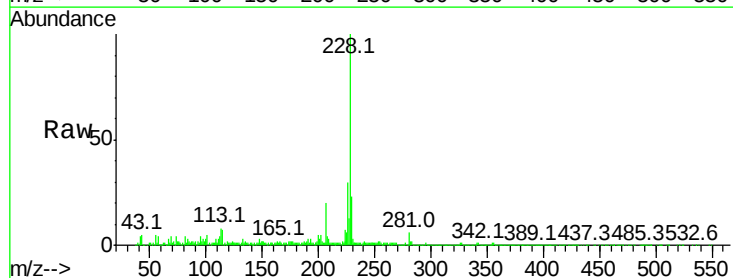
Tgt Ion:228 Resp: 799148

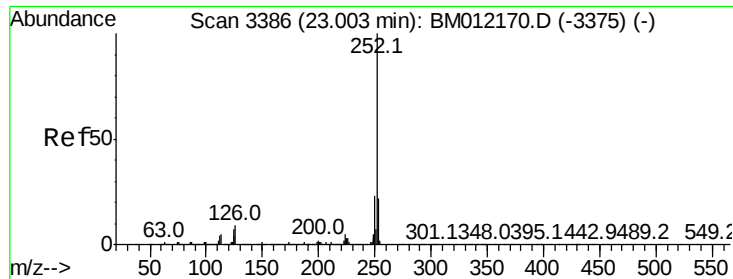
Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.2

229 22.9 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 13.183 ng/ul

RT: 23.02 min Scan# 3389

Delta R.T. -0.04 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

Instrument :

BNA_M

ClientSampleId :

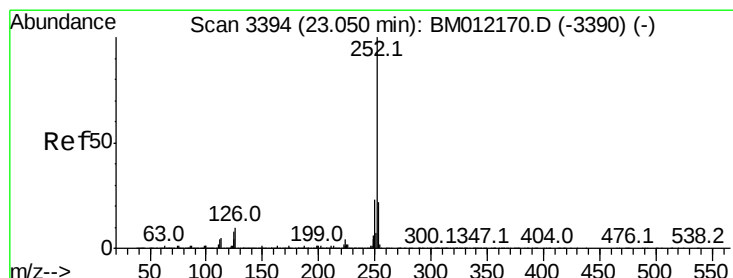
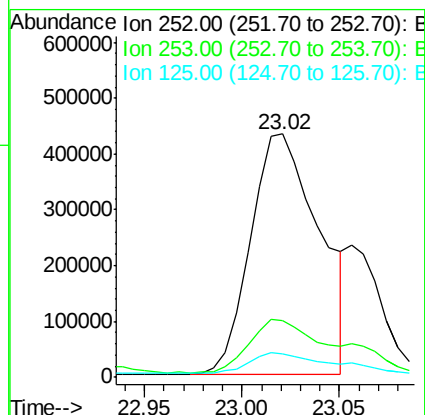
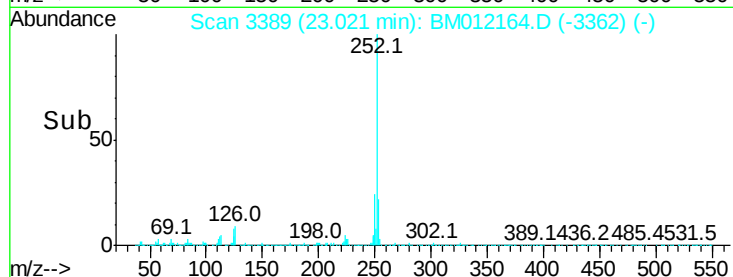
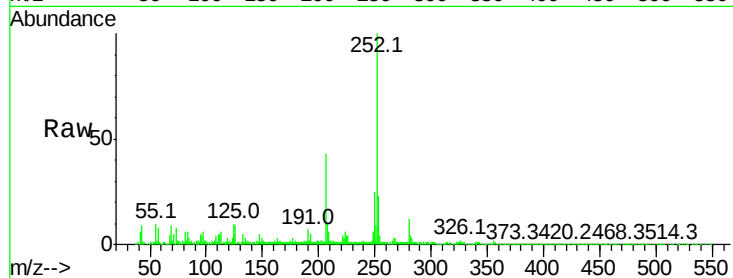
Tot Ion:252 Resp: 1054418

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

125 9.5 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 13.680 ng/ul

RT: 23.02 min Scan# 3389

Delta R.T. -0.09 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

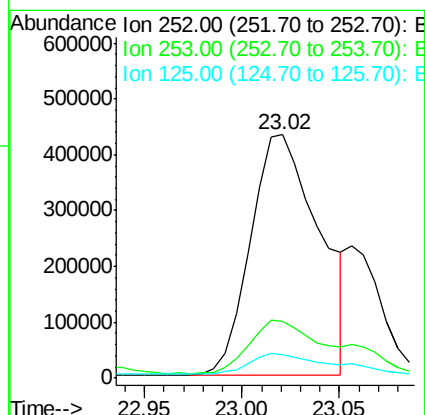
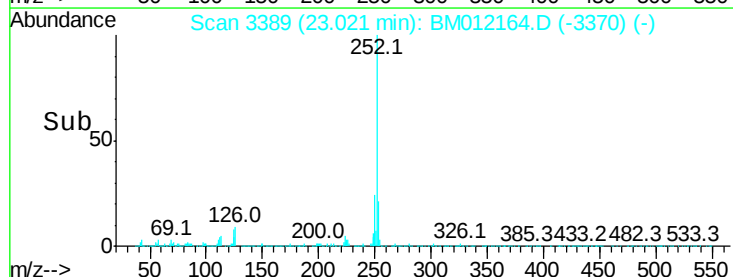
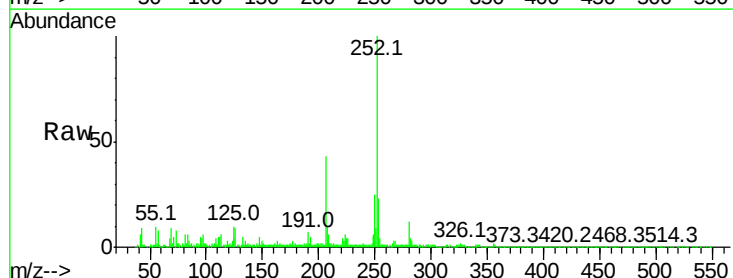
Tgt Ion:252 Resp: 1054418

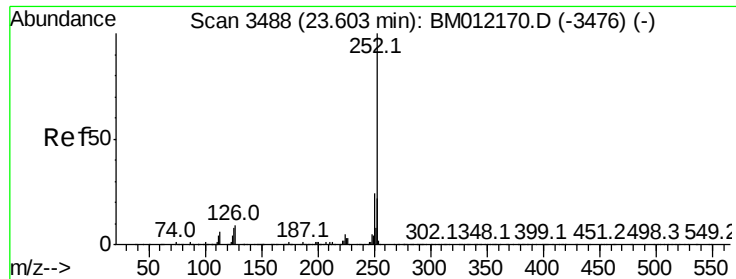
Ion Ratio Lower Upper

252 100

253 23.3 17.1 25.7

125 9.5 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 10.579 ng/ul

RT: 23.61 min Scan# 3490

Delta R.T. -0.06 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

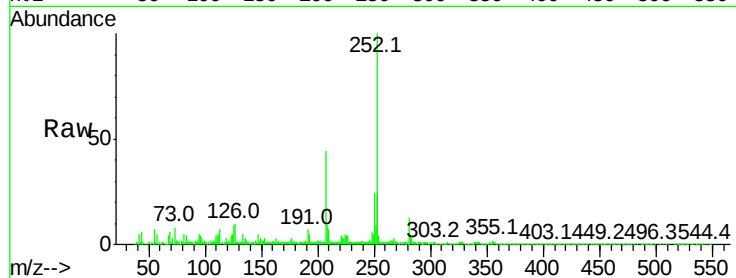
Instrument :

BNA_M

ClientSampled :

Tot Ion:252 Resp: 797489

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	8.9	4.0	6.0

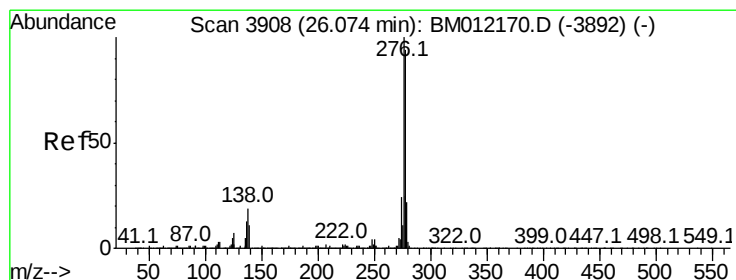
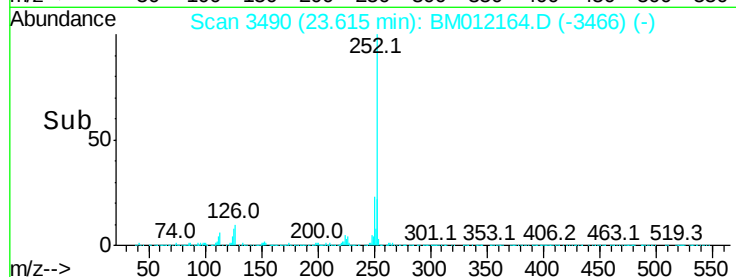
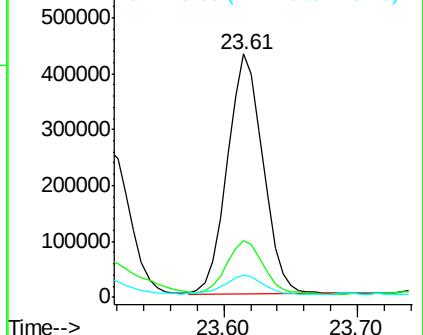


Abundance

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: 6.133 ng/ul

RT: 26.09 min Scan# 3910

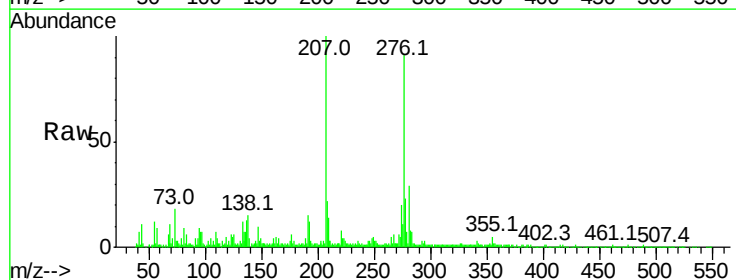
Delta R.T. -0.09 min

Lab File: BM012164.D

Acq: 14 Oct 2017 09:16

Tgt Ion:276 Resp: 490983

Ion	Ratio	Lower	Upper
276	100		
138	16.8	9.3	13.9
277	25.0	19.9	29.9

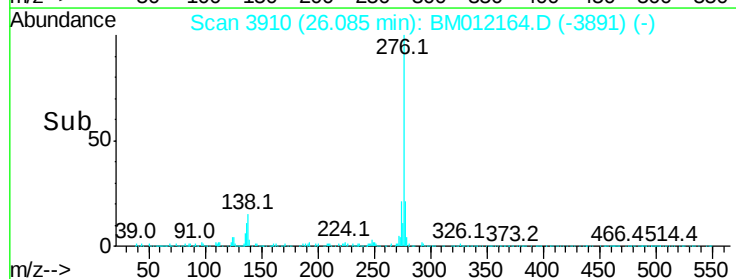
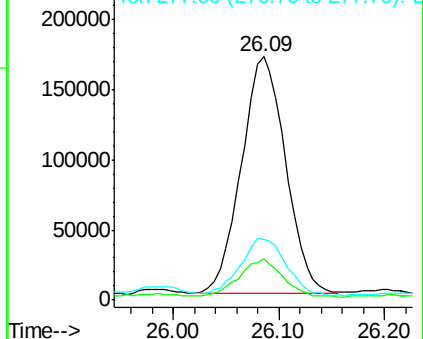


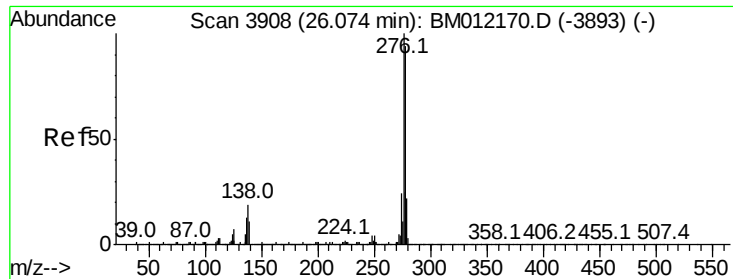
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

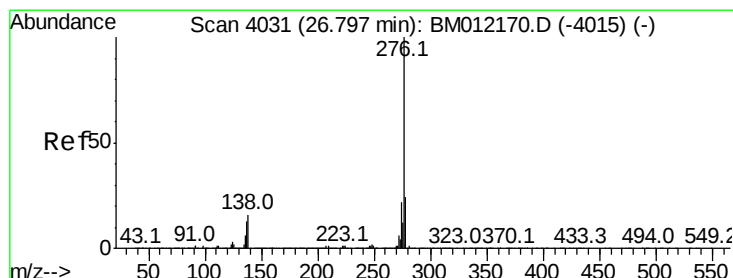
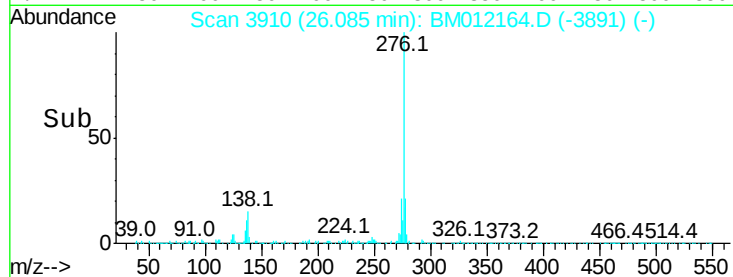
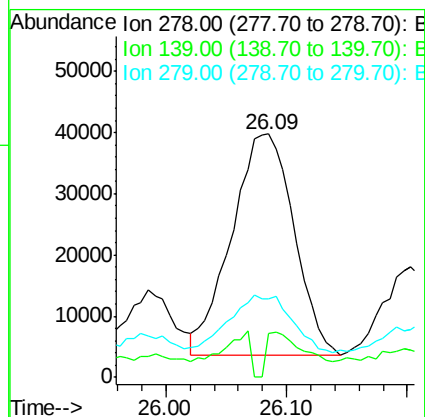
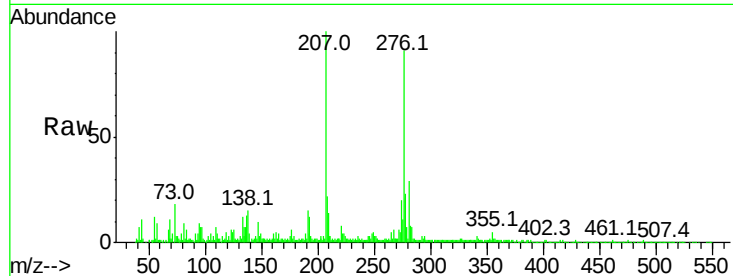




#90
Dibenzo(a,h)anthracene
Concen: 1.927 ng/ul
RT: 26.09 min Scan# 3910
Delta R.T. -0.09 min
Lab File: BM012164.D
Acq: 14 Oct 2017 09:16

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 129682
Ion Ratio Lower Upper
278 100
139 18.0 5.8 8.8#
279 32.4 18.6 27.8#



#91
Benzo(g,h,i)perylene
Concen: 7.009 ng/ul
RT: 26.82 min Scan# 4035
Delta R.T. -0.10 min
Lab File: BM012164.D
Acq: 14 Oct 2017 09:16

Tgt Ion:276 Resp: 459568
Ion Ratio Lower Upper
276 100
138 16.4 8.5 12.7#
277 26.0 18.6 28.0

