

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
 Data File : BM012120.D
 Acq On : 13 Oct 2017 04:04
 Operator : SJ/JU
 Sample : I5533-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 13 05:06:08 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 13 04:53:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	412244	20.00	ng/ul	0.01
18) Naphthalene-d8	10.65	136	1697463	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.50	164	895930	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.24	188	1669967	20.00	ng/ul	0.02
75) Chrysene-d12	21.43	240	1928719	20.00	ng/ul	0.02
83) Perylene-d12	23.77	264	2132436	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	30203	3.48	ng/uL	0.00
5) Phenol-d5	7.01	99	800931	23.95	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.17	67	471279	23.49	ng/ul	0.01
9) 2-Chlorophenol-d4	7.37	132	690559	24.34	ng/ul	0.02
13) 4-Methylphenol-d8	8.56	113	683136	23.72	ng/ul	0.02
19) Nitrobenzene-d5	9.01	128	332805	25.69	ng/ul	0.01
22) 2-Nitrophenol-d4	9.73	143	364631	24.09	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.27	165	722465	25.00	ng/ul	0.02
29) 4-Chloroaniline-d4	10.62	131	11118	0.41	ng/ul	-0.15
43) Dimethylphthalate-d6	13.90	166	2132485	26.93	ng/ul	0.01
46) Acenaphthylene-d8	14.19	160	2547355	26.58	ng/ul	0.02
51) 4-Nitrophenol-d4	14.72	143	216693	18.20	ng/ul	0.03
57) Fluorene-d10	15.49	176	1660816	25.55	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.63	200	57738	5.04	ng/ul	0.03
70) Anthracene-d10	17.34	188	2301796	27.88	ng/ul	0.02
76) Pyrene-d10	19.64	212	2405260	24.57	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.62	264	2836124	27.59	ng/ul	0.05

Target Compounds

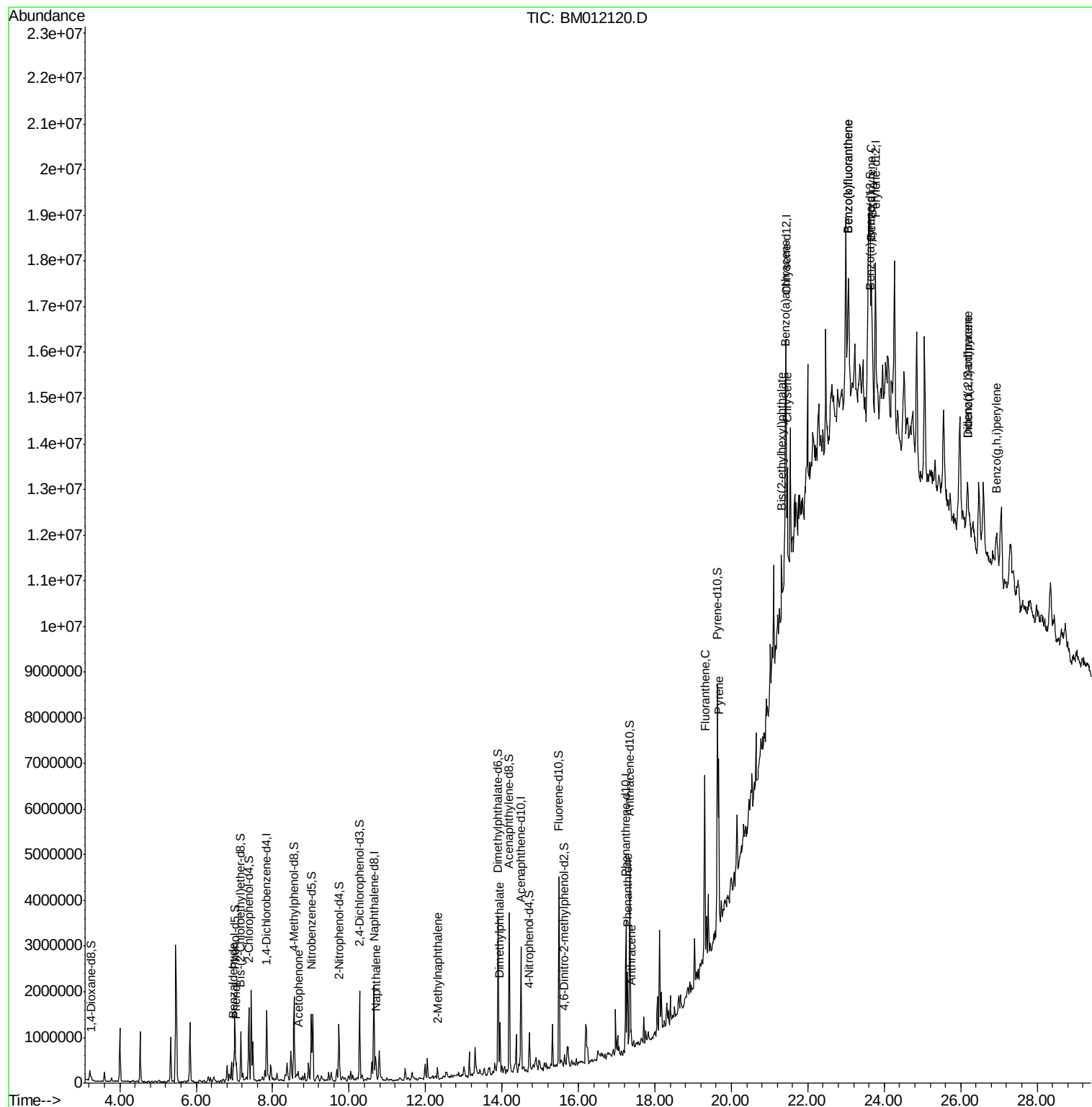
					Ovalue	
4) Benzaldehyde	6.98	77	35273	1.578	ng/ul#	1
6) Phenol	7.04	94	77981	2.255	ng/ul	90
14) Acetophenone	8.67	105	60457	1.381	ng/ul	95
28) Naphthalene	10.70	128	381247	4.341	ng/ul	100
34) 2-Methylnaphthalene	12.31	142	118226	1.784	ng/ul	98
44) Dimethylphthalate	13.94	163	492612	6.209	ng/ul	99
69) Phenanthrene	17.29	178	1030502	10.847	ng/ul	99
71) Anthracene	17.37	178	284996	2.898	ng/ul	96
74) Fluoranthene	19.30	202	2134637	18.619	ng/ul#	92
77) Pyrene	19.67	202	1978785	15.535	ng/ul#	91
80) Benzo(a)anthracene	21.41	228	1203459	9.589	ng/ul#	90
81) Bis(2-ethylhexyl)phthalate	21.32	149	327080	3.844	ng/ul#	88
82) Chrysene	21.46	228	1342884	11.397	ng/ul#	90
85) Benzo(b)fluoranthene	23.06	252	1934854	13.904	ng/ul#	82
86) Benzo(k)fluoranthene	23.06	252	1934854	14.428	ng/ul#	80
88) Benzo(a)pyrene	23.67	252	1299770	9.910	ng/ul#	83
89) Indeno(1,2,3-cd)pyrene	26.18	276	925628	6.646	ng/ul#	85
90) Dibenzo(a,h)anthracene	26.17	278	243547	2.080	ng/ul#	19
91) Benzo(g,h,i)perylene	26.93	276	974913	8.546	ng/ul#	80

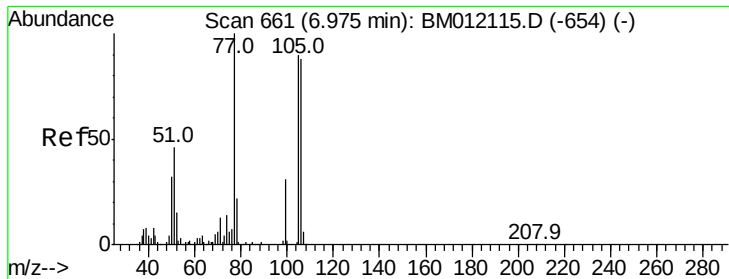
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.578 ng/ul

RT: 6.98 min Scan# 662

Delta R.T. 0.01 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Instrument :

BNA_M

ClientSampled :

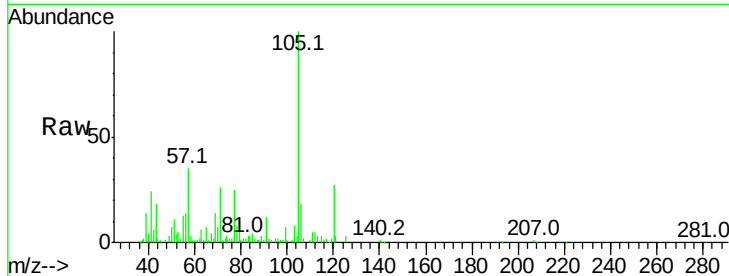
Tot Ion: 77 Resp: 35273

Ion Ratio Lower Upper

77 100

105 407.9 66.1 99.1#

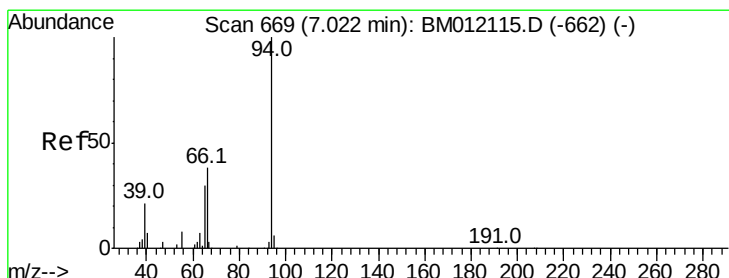
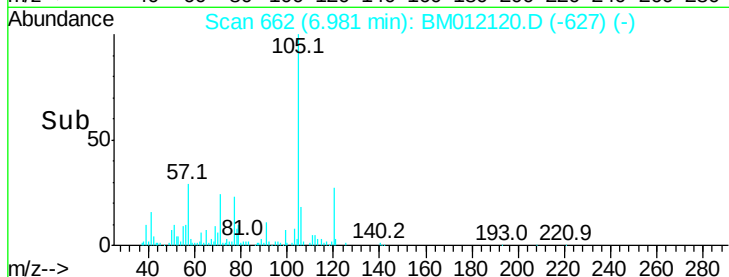
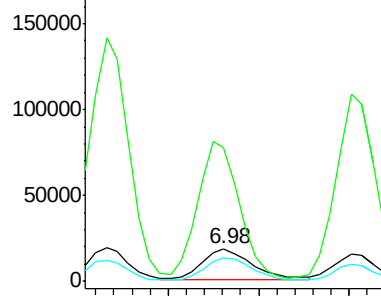
106 72.1 67.8 101.6



Abundance Ion 77.00 (76.70 to 77.70): BM012115.D (-654) (-)

Ion 105.00 (104.70 to 105.70): BM012115.D (-654) (-)

Ion 106.00 (105.70 to 106.70): BM012115.D (-654) (-)



#6

Phenol

Concen: 2.255 ng/ul

RT: 7.04 min Scan# 672

Delta R.T. 0.02 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

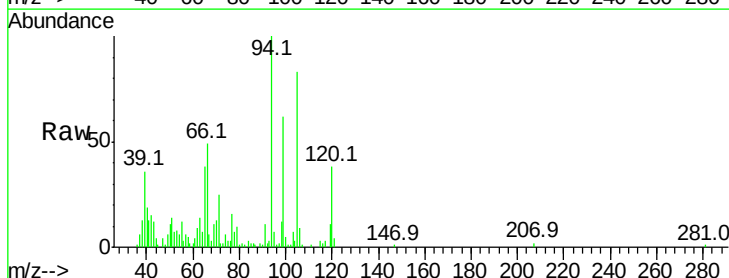
Tgt Ion: 94 Resp: 77981

Ion Ratio Lower Upper

94 100

65 37.7 28.2 42.4

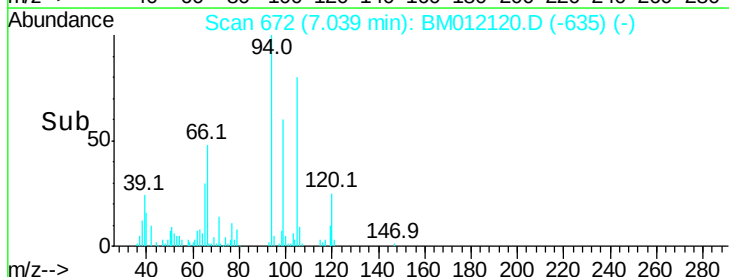
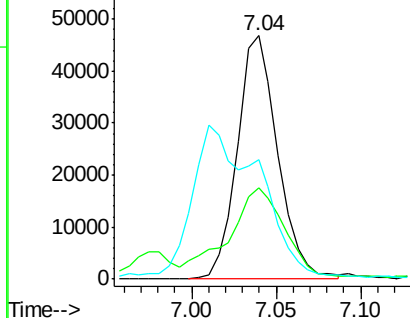
66 48.9 47.2 70.8

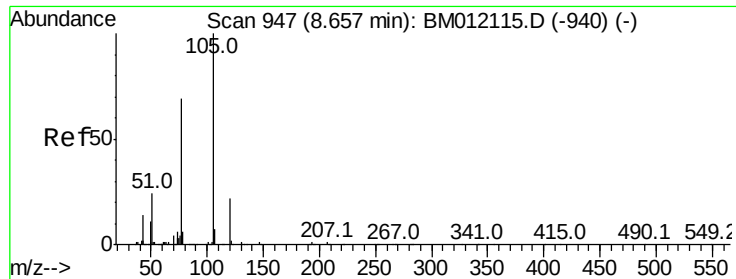


Abundance Ion 94.00 (93.70 to 94.70): BM012115.D (-662) (-)

Ion 65.00 (64.70 to 65.70): BM012115.D (-662) (-)

Ion 66.00 (65.70 to 66.70): BM012115.D (-662) (-)





#14

Acetophenone

Concen: 1.381 ng/ul

RT: 8.67 min Scan# 949

Delta R.T. 0.01 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Instrument :

BNA_M

ClientSampleId :

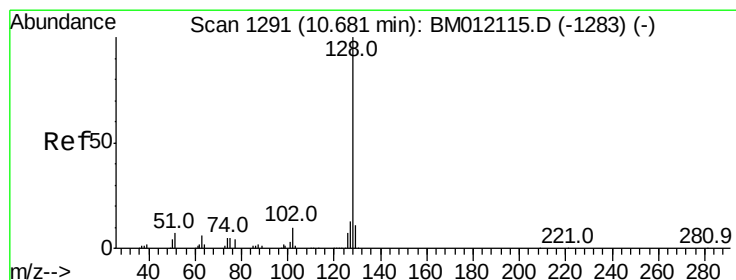
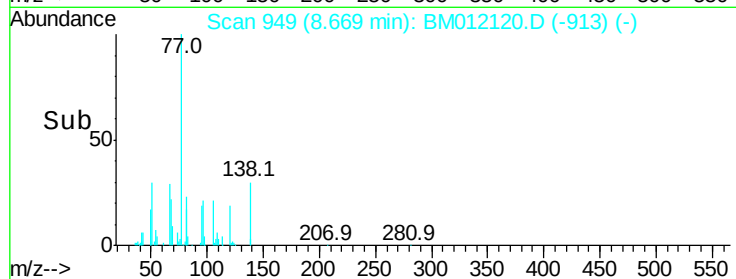
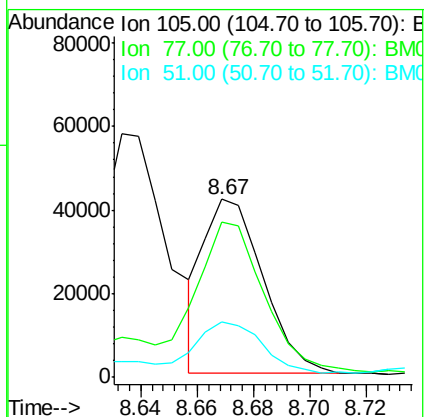
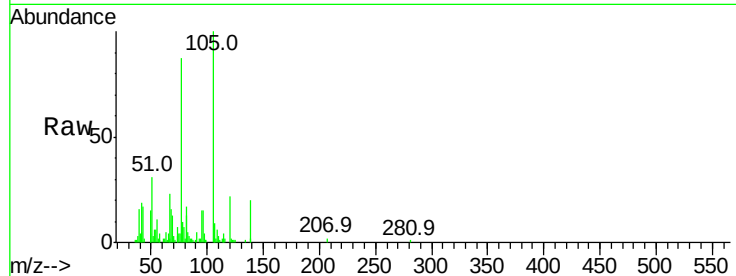
Tot Ion:105 Resp: 60457

Ion Ratio Lower Upper

105 100

77 87.2 74.2 111.4

51 30.9 23.4 35.2



#28

Naphthalene

Concen: 4.341 ng/ul

RT: 10.70 min Scan# 1294

Delta R.T. 0.02 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

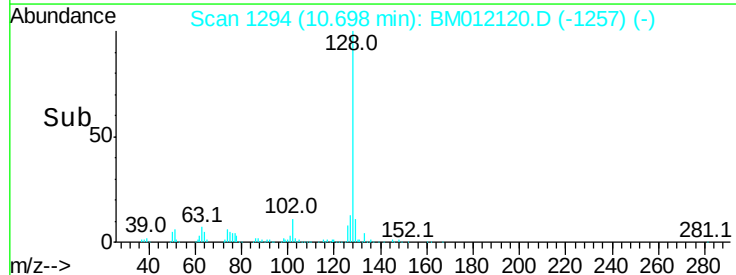
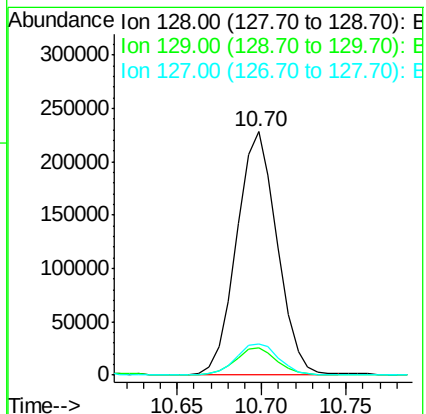
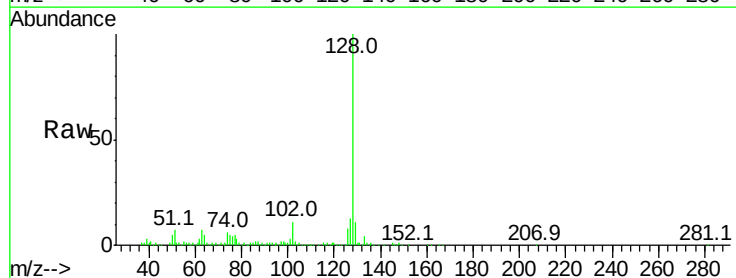
Tgt Ion:128 Resp: 381247

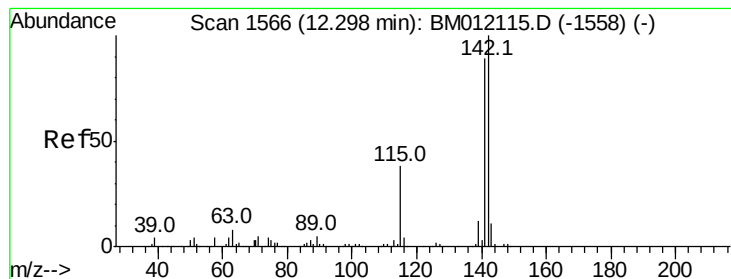
Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.0 10.6 16.0





#34

2-Methylnaphthalene

Concen: 1.784 ng/ul

RT: 12.31 min Scan# 1568

Delta R.T. 0.01 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Instrument :

BNA_M

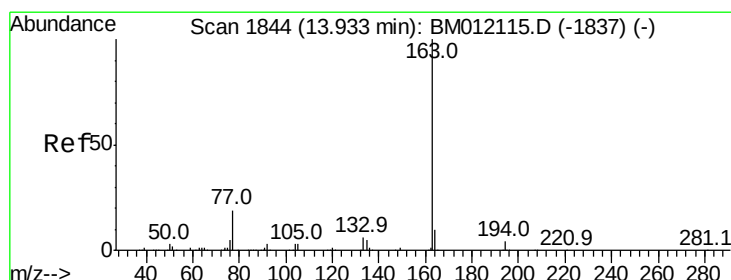
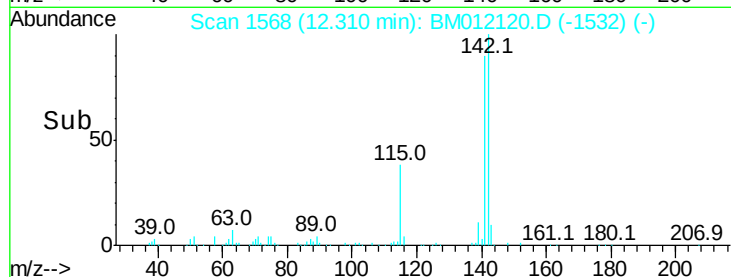
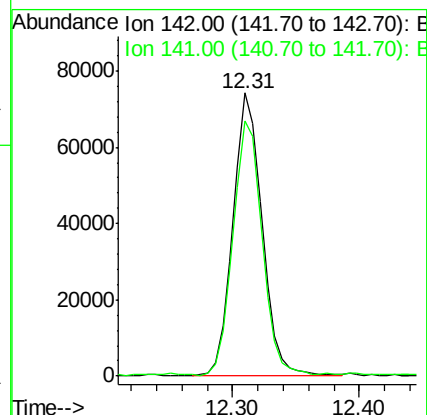
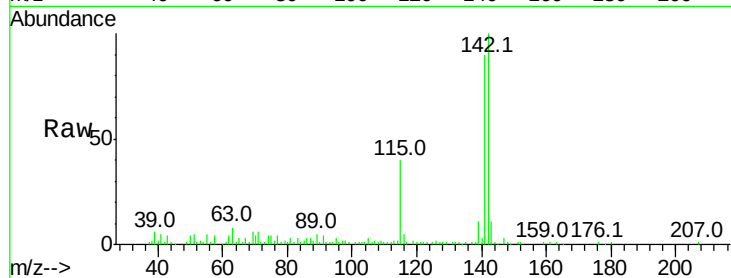
ClientSampleId :

Tot Ion:142 Resp: 118226

Ion Ratio Lower Upper

142 100

141 90.3 74.1 111.1



#44

Dimethylphthalate

Concen: 6.209 ng/ul

RT: 13.94 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

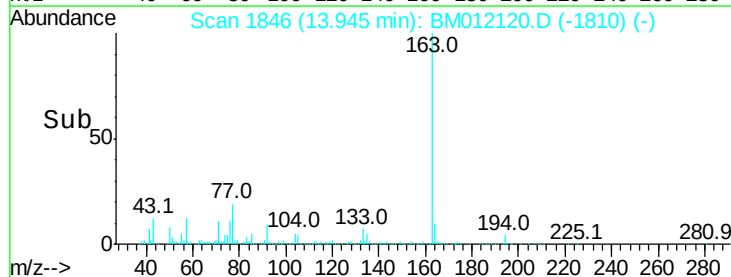
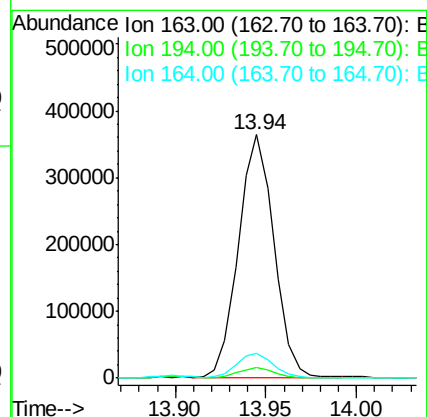
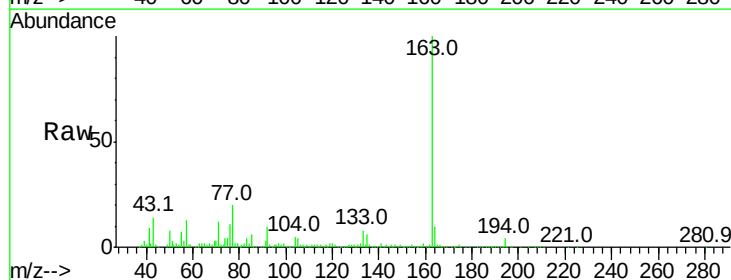
Tgt Ion:163 Resp: 492612

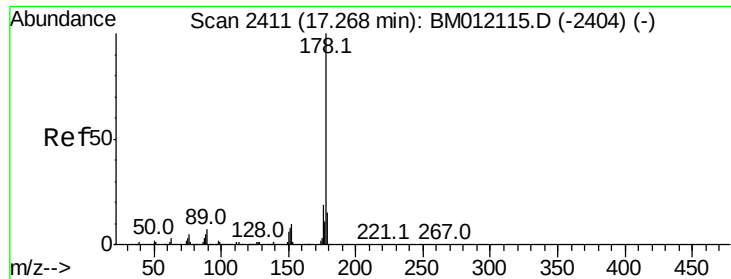
Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

164 10.1 8.2 12.4





#69

Phenanthrene

Concen: 10.847 ng/ul

RT: 17.29 min Scan# 2414

Delta R.T. 0.02 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Instrument :

BNA_M

ClientSampled :

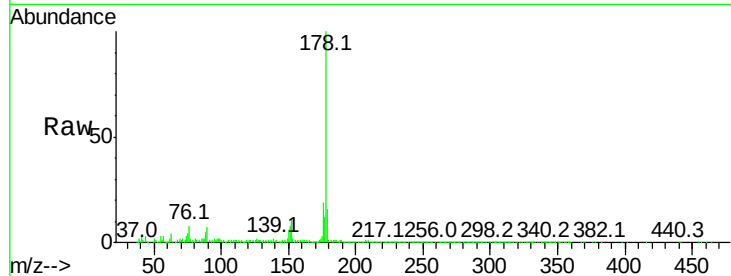
Tot Ion:178 Resp: 1030502

Ion Ratio Lower Upper

178 100

179 15.6 12.6 19.0

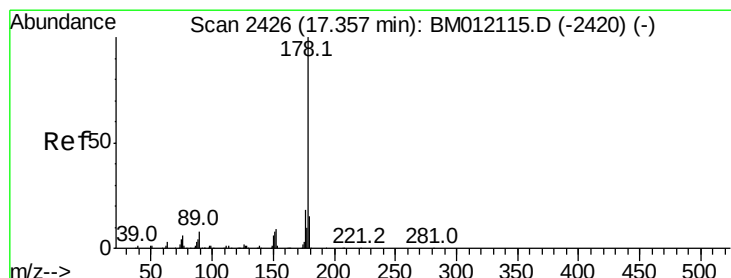
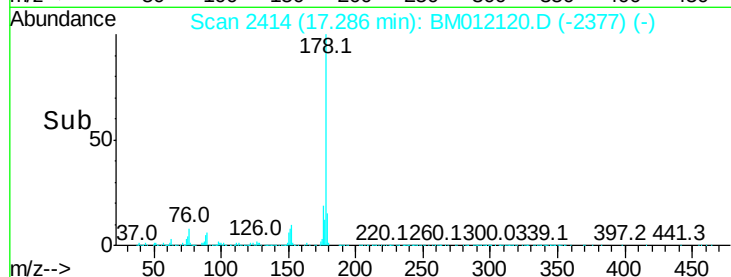
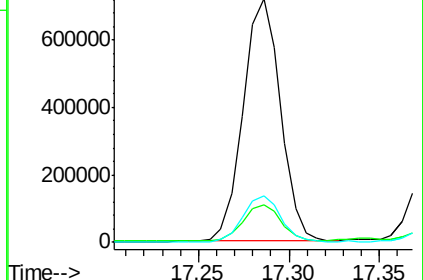
176 19.2 14.9 22.3



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: 2.898 ng/ul

RT: 17.37 min Scan# 2429

Delta R.T. 0.02 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

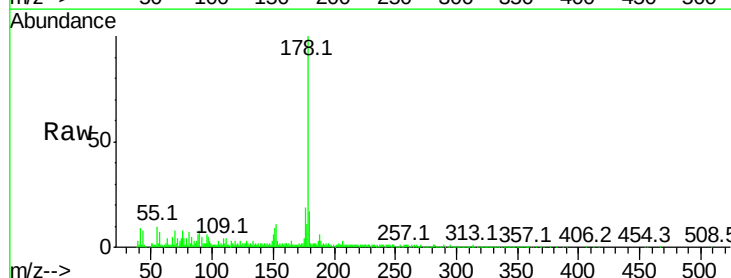
Tgt Ion:178 Resp: 284996

Ion Ratio Lower Upper

178 100

179 17.2 11.7 17.5

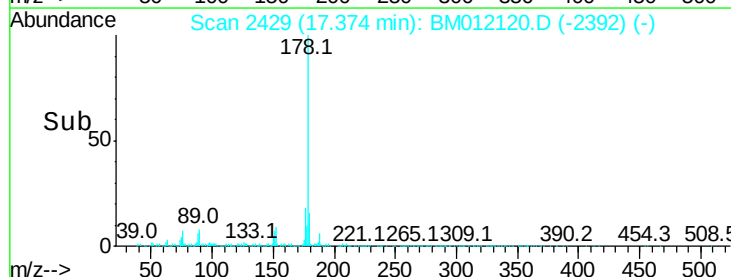
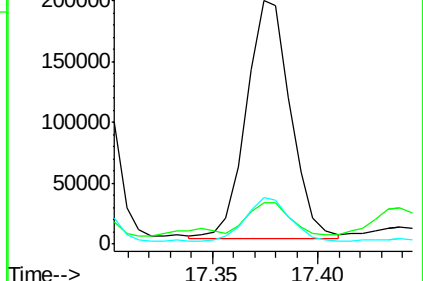
176 19.1 14.6 21.8

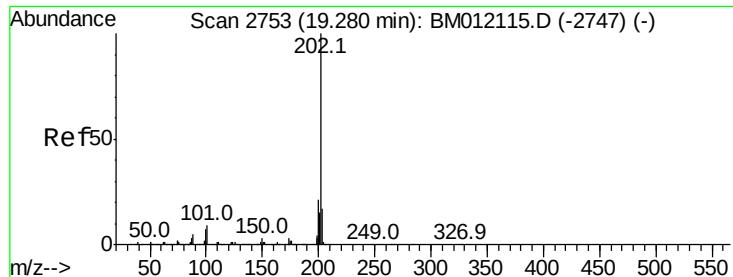


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 18.619 ng/ul

RT: 19.30 min Scan# 2757

Delta R.T. 0.02 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Instrument :

BNA_M

ClientSampleId :

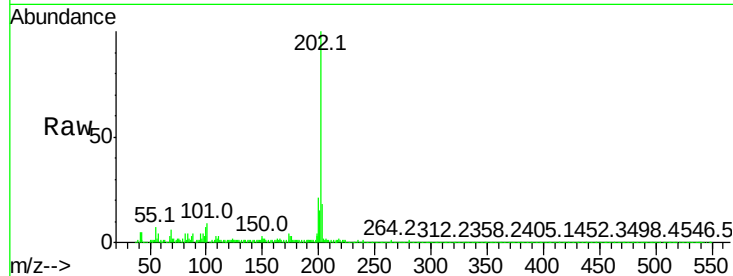
Tot Ion:202 Resp: 2134637

Ion Ratio Lower Upper

202 100

101 8.7 4.6 7.0#

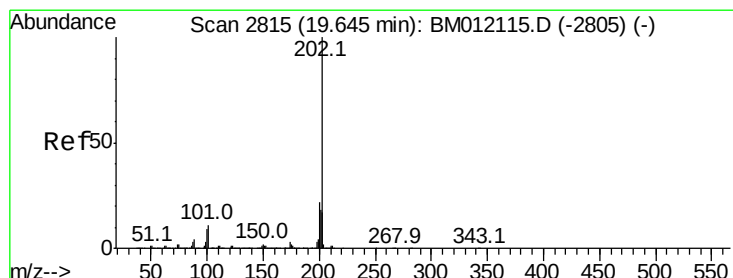
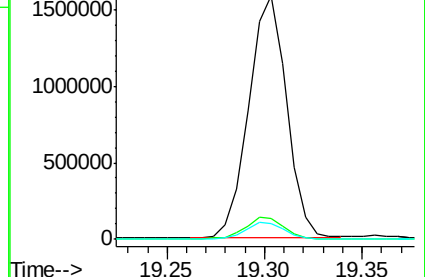
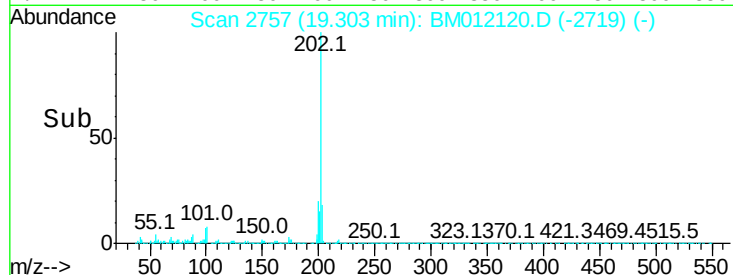
100 6.7 3.4 5.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 15.535 ng/ul

RT: 19.67 min Scan# 2819

Delta R.T. 0.02 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

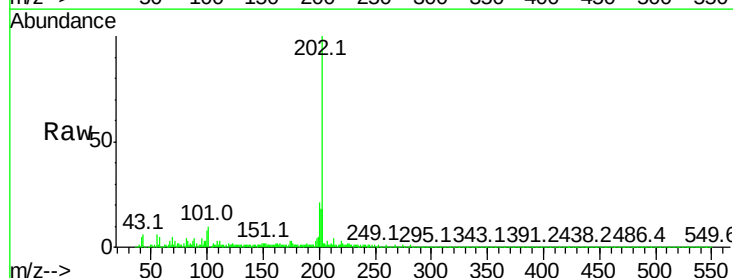
Tgt Ion:202 Resp: 1978785

Ion Ratio Lower Upper

202 100

101 10.1 5.1 7.7#

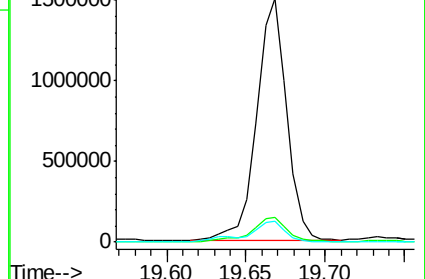
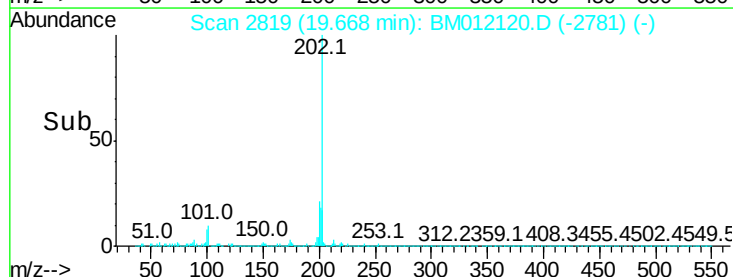
100 8.5 4.9 7.3#

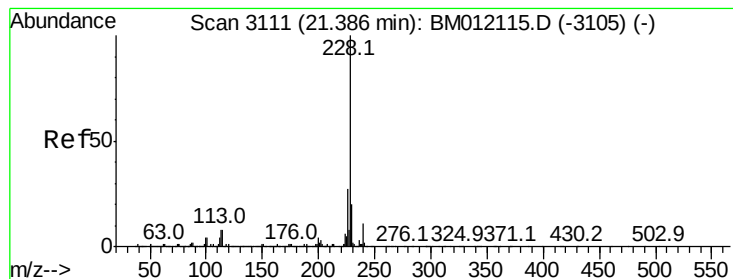


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 9.589 ng/ul

RT: 21.41 min Scan# 3115

Delta R.T. 0.02 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

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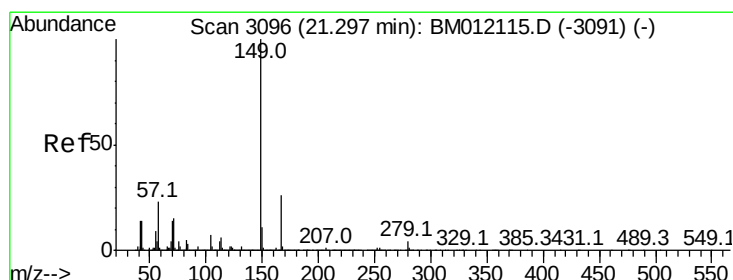
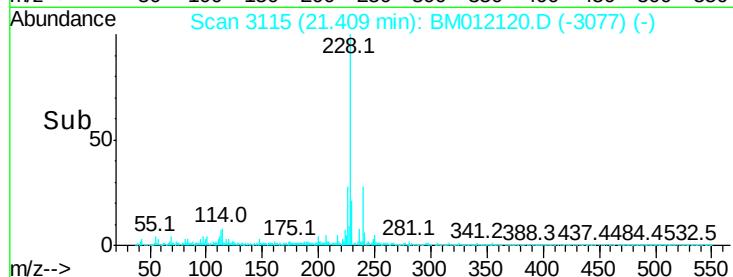
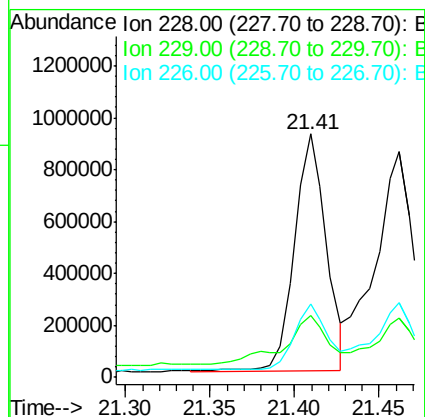
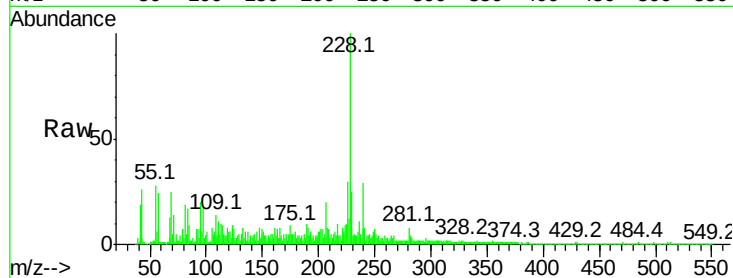
Tot Ion:228 Resp: 1203459

Ion	Ratio	Lower	Upper
228	100		
229	25.3	15.4	23.0#
226	30.1	21.4	32.0

228 100

229 25.3 15.4 23.0#

226 30.1 21.4 32.0



#81

Bis(2-ethylhexyl)phthalate

Concen: 3.844 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.02 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

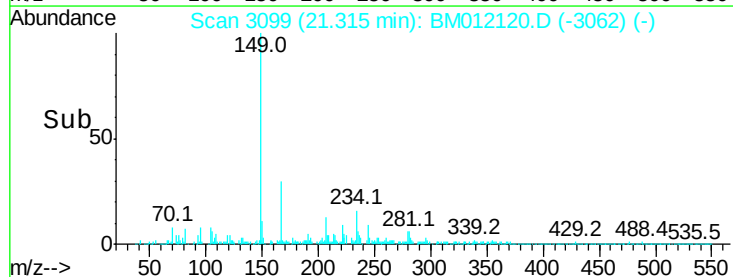
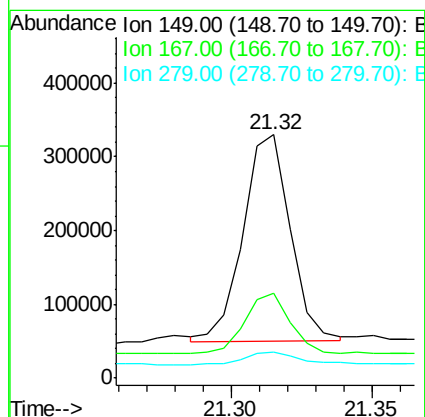
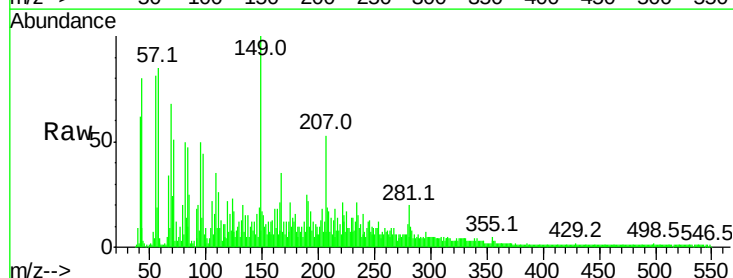
Tgt Ion:149 Resp: 327080

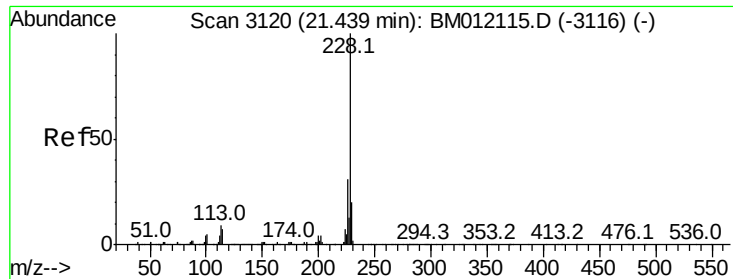
Ion	Ratio	Lower	Upper
149	100		
167	35.0	22.8	34.2#
279	10.7	4.9	7.3#

149 100

167 35.0 22.8 34.2#

279 10.7 4.9 7.3#





#82

Chrysene

Concen: 11.397 ng/ul

RT: 21.46 min Scan# 3124

Delta R.T. 0.02 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

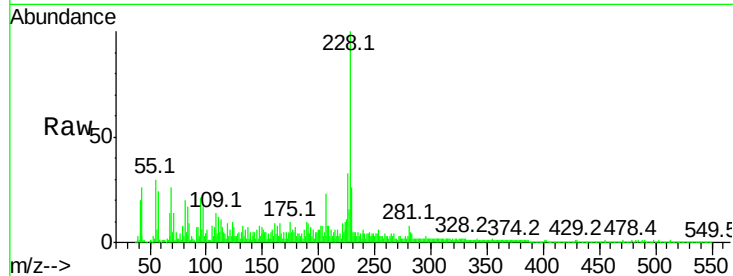
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1342884

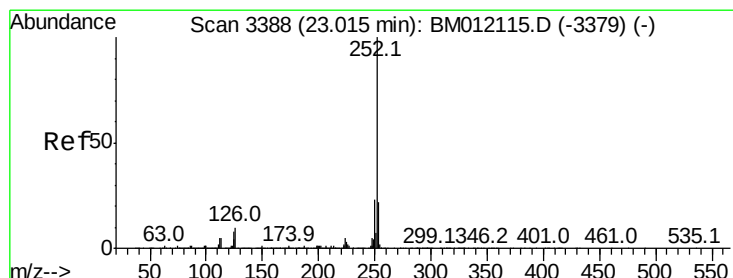
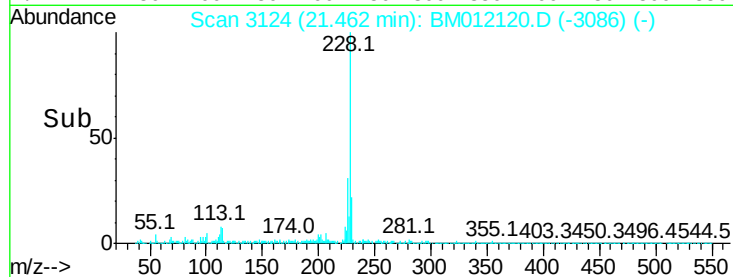
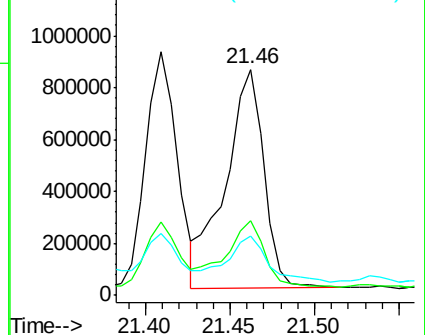
Ion	Ratio	Lower	Upper
228	100		
226	33.0	23.4	35.2
229	26.2	15.5	23.3



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: 13.904 ng/ul

RT: 23.06 min Scan# 3396

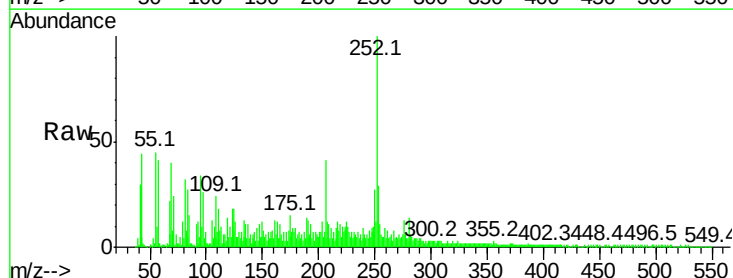
Delta R.T. 0.05 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Tgt Ion:252 Resp: 1934854

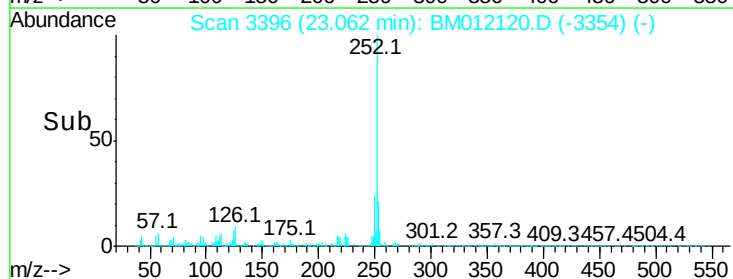
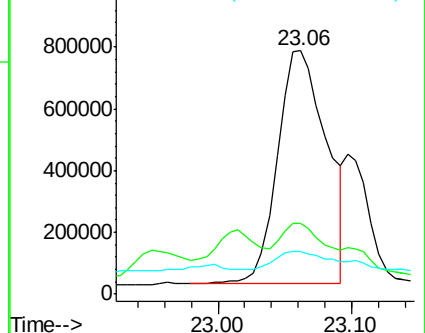
Ion	Ratio	Lower	Upper
252	100		
253	29.0	17.9	26.9
125	17.5	3.6	5.4

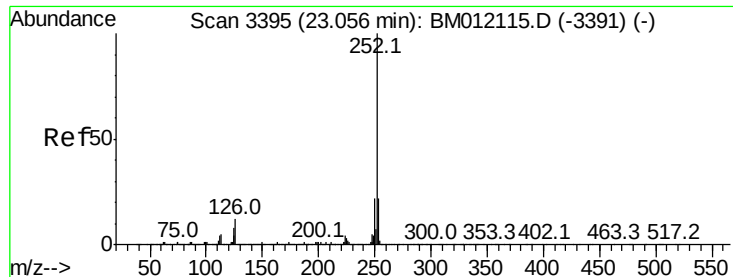


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 14.428 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. 0.01 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Instrument :

BNA_M

ClientSampled :

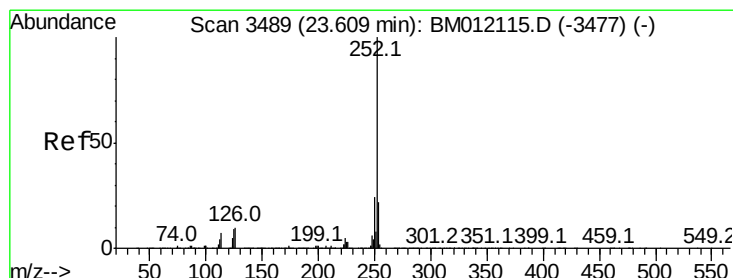
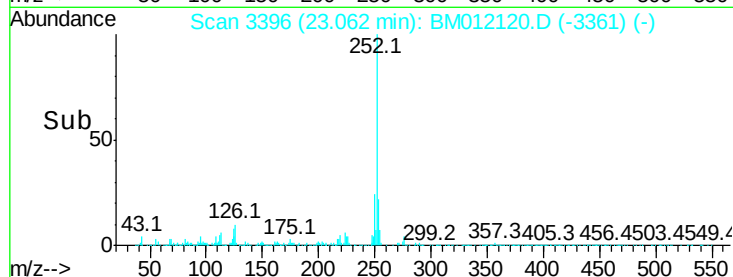
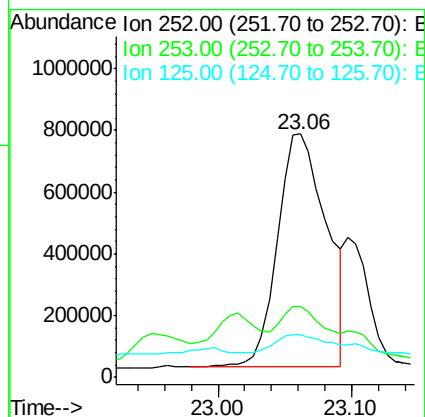
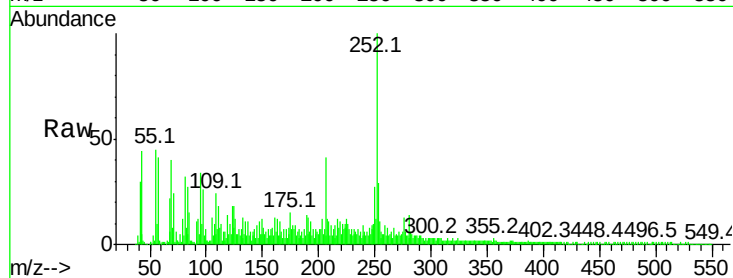
Tot Ion:252 Resp: 1934854

Ion Ratio Lower Upper

252 100

253 29.0 17.1 25.7#

125 17.5 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 9.910 ng/ul

RT: 23.67 min Scan# 3499

Delta R.T. 0.06 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

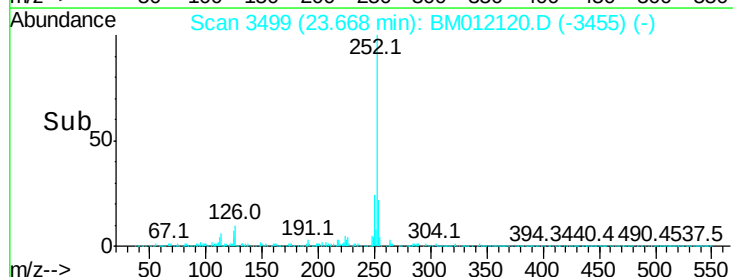
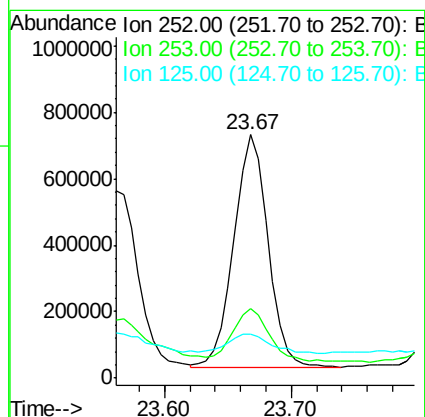
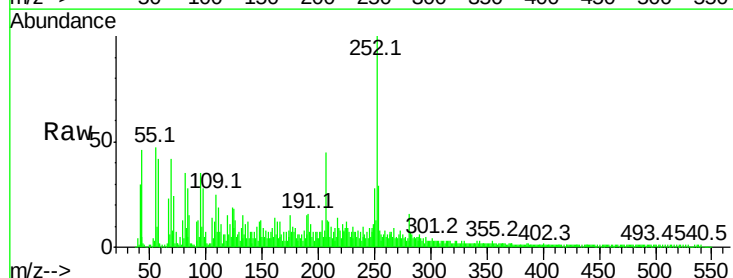
Tgt Ion:252 Resp: 1299770

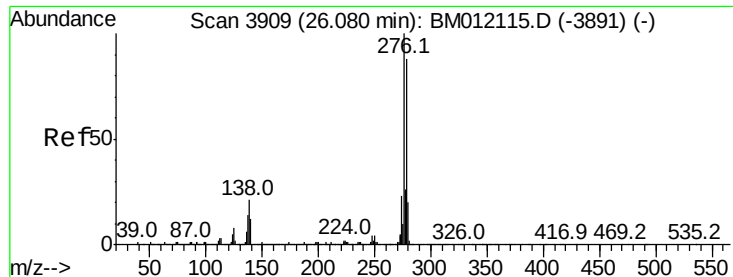
Ion Ratio Lower Upper

252 100

253 28.8 18.2 27.2#

125 17.8 4.0 6.0#



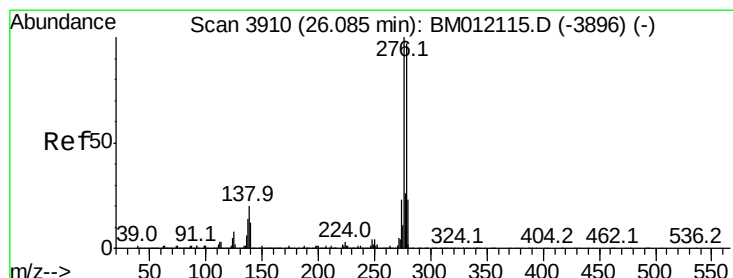
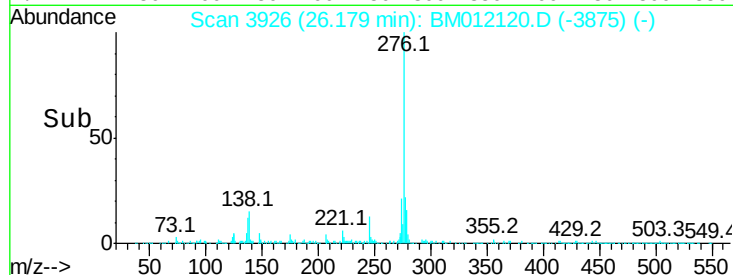
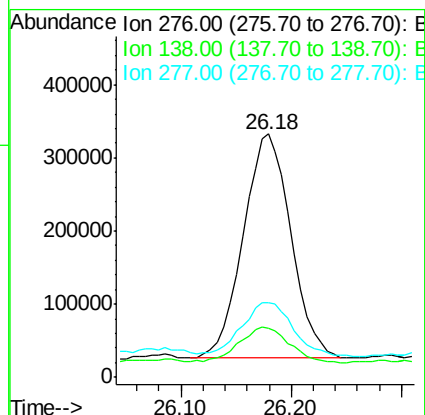
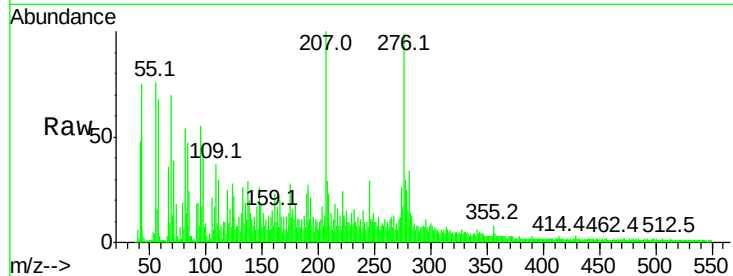


#89

Indeno(1,2,3-cd)pyrene
Concen: 6.646 ng/ul
RT: 26.18 min Scan# 3926
Delta R.T. 0.10 min
Lab File: BM012120.D
Acq: 13 Oct 2017 04:04

Instrument :
BNA_M
ClientSampleId :

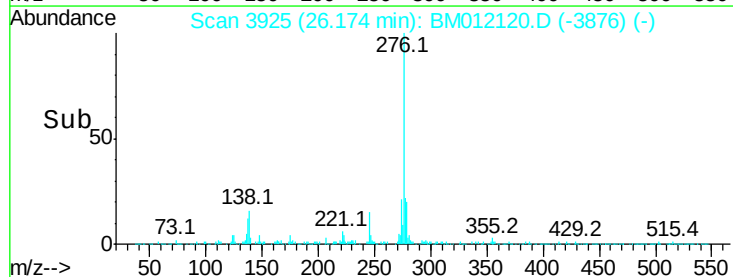
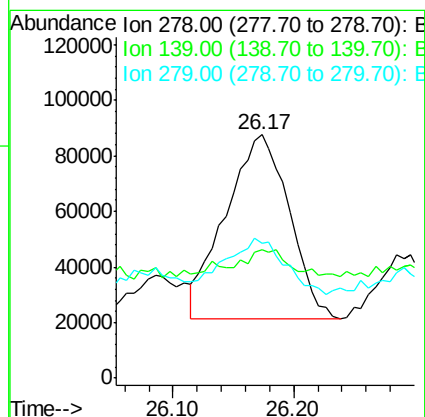
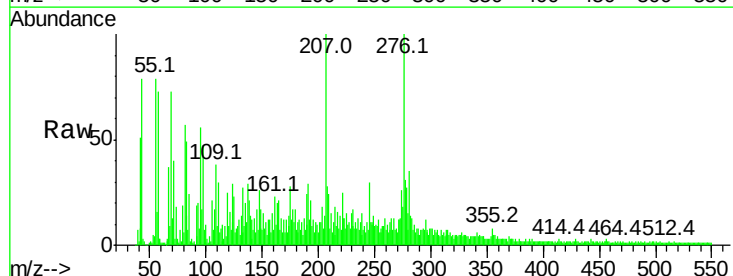
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.2	9.3	13.9#
277	30.6	19.9	29.9#

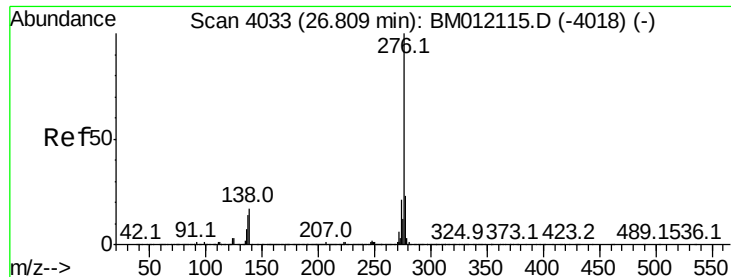


#90

Dibenzo(a,h)anthracene
Concen: 2.080 ng/ul
RT: 26.17 min Scan# 3925
Delta R.T. 0.09 min
Lab File: BM012120.D
Acq: 13 Oct 2017 04:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	52.8	5.8	8.8#
279	55.1	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 8.546 ng/ul

RT: 26.93 min Scan# 4053

Delta R.T. 0.12 min

Lab File: BM012120.D

Acq: 13 Oct 2017 04:04

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 276 Resp: 974913

Ion Ratio Lower Upper

276 100

138 20.8 8.5 12.7#

277 31.1 18.6 28.0#

