

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM110817\
 Data File : BM012844.D
 Acq On : 09 Nov 2017 09:07
 Operator : SJ/JU
 Sample : I6096-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 09 10:10:01 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 05:48:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	128736	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	535210	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	325604	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	686652	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	617550	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	672466	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	9879	4.15	ng/uL	0.00
5) Phenol-d5	6.98	99	237321	24.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	130434	25.13	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	207189	25.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	198594	24.02	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	103434	26.16	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	109581	24.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	229863	24.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	61136	6.83	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	700933	26.01	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	836465	25.10	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	82160	19.03	ng/ul	0.00
57) Fluorene-d10	15.43	176	603292	26.14	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	10449	2.30	ng/ul	0.00
70) Anthracene-d10	17.29	188	870946	26.25	ng/ul	0.00
78) Pyrene-d10	19.58	212	787002	27.46	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	824136	25.92	ng/ul	0.02

Target Compounds

					Ovalue	
4) Benzaldehyde	6.95	77	16875	3.312	ng/ul#	1
6) Phenol	7.01	94	24701	2.512	ng/ul#	88
14) Acetophenone	8.60	105	42401	3.408	ng/ul#	38
17) Hexachloroethane	8.90	117	11661	3.524	ng/ul#	7
28) Naphthalene	10.64	128	83166	3.108	ng/ul	98
30) 4-Chloroaniline	10.64	127	10819	1.202	ng/ul#	1
42) 2-Nitroaniline	13.53	65	10128	2.015	ng/ul	95
44) Dimethylphthalate	13.90	163	176861	6.615	ng/ul	99
64) N-Nitrosodiphenylamine	15.70	169	23823	1.149	ng/ul	98
69) Phenanthrene	17.23	178	573096	15.270	ng/ul	99
71) Anthracene	17.32	178	142147	3.653	ng/ul	99
76) Fluoranthene	19.24	202	1135339	25.174	ng/ul#	94
79) Pyrene	19.61	202	1029408	27.939	ng/ul#	93
82) Benzo(a)anthracene	21.36	228	675289	18.071	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.27	149	80535	4.114	ng/ul#	92
84) Chrysene	21.41	228	600678	17.736	ng/ul	98
87) Benzo(b)fluoranthene	22.98	252	900425	21.911	ng/ul	94
88) Benzo(k)fluoranthene	22.98	252	900425	23.051	ng/ul	94
90) Benzo(a)pyrene	23.47	252	463600	11.856	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.99	276	492680	10.454	ng/ul#	86
92) Dibenzo(a,h)anthracene	25.99	278	140822	3.530	ng/ul#	88
93) Benzo(a,h,i)perylene	26.71	276	425230	10.950	ng/ul#	89

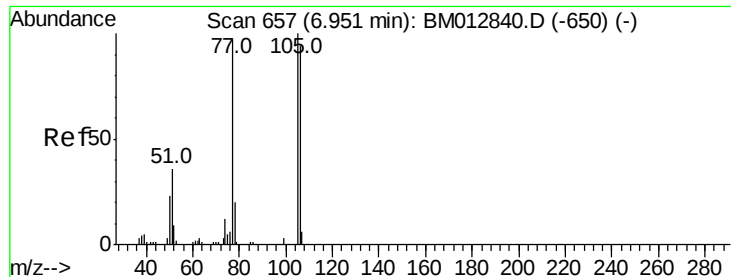
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012844.D
Acq On : 09 Nov 2017 09:07
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#4

Benzaldehyde

Concen: 3.312 ng/ul

RT: 6.95 min Scan# 656

Delta R.T. -0.01 min

Lab File: BM012844.D

Acq: 09 Nov 2017 09:07

Instrument :

BNA_M

ClientSampled :

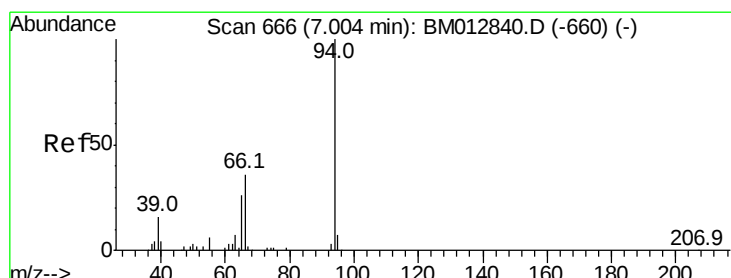
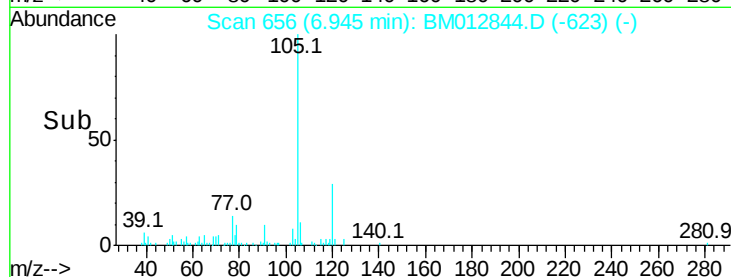
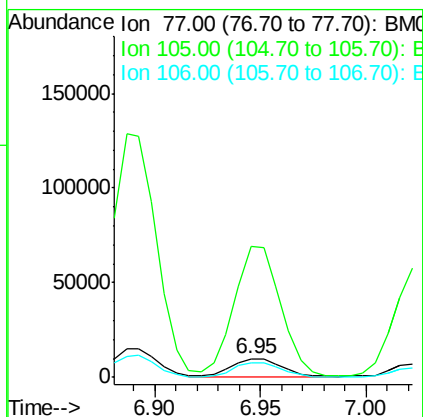
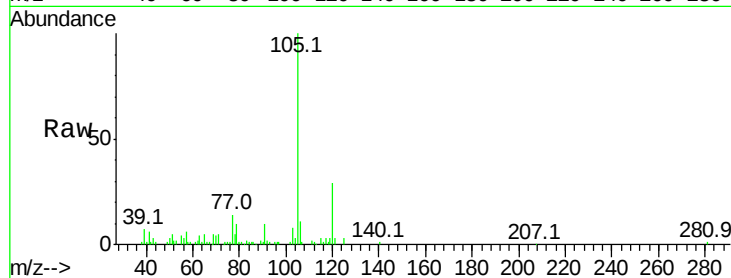
Tot Ion: 77 Resp: 16875

Ion Ratio Lower Upper

77 100

105 711.3 80.6 120.8#

106 76.5 77.7 116.5#



#6

Phenol

Concen: 2.512 ng/ul

RT: 7.01 min Scan# 667

Delta R.T. 0.01 min

Lab File: BM012844.D

Acq: 09 Nov 2017 09:07

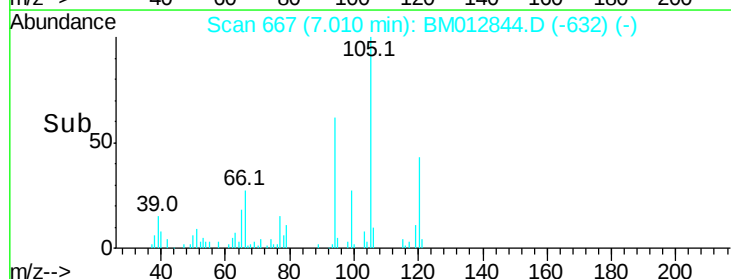
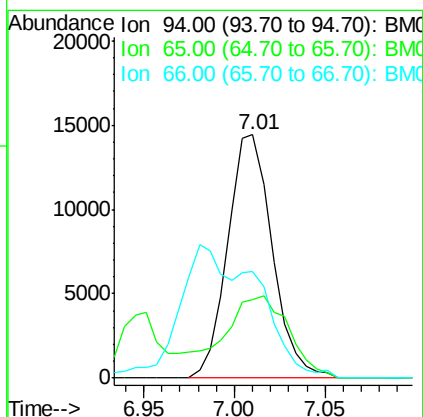
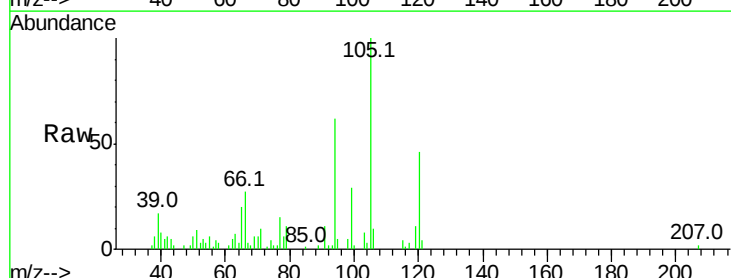
Tgt Ion: 94 Resp: 24701

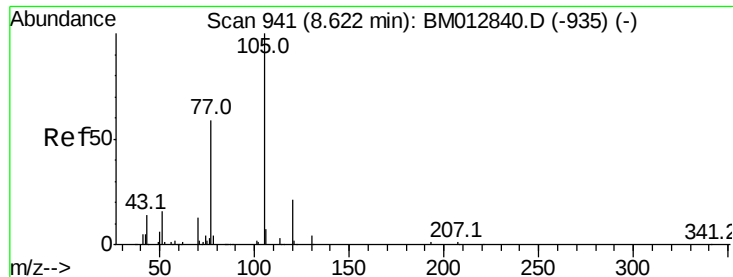
Ion Ratio Lower Upper

94 100

65 32.4 21.0 31.6#

66 43.8 29.3 43.9





#14

Acetophenone

Concen: 3.408 ng/ul

RT: 8.60 min Scan# 937

Delta R.T. -0.02 min

Lab File: BM012844.D

Acq: 09 Nov 2017 09:07

Instrument :

BNA_M

ClientSampleId :

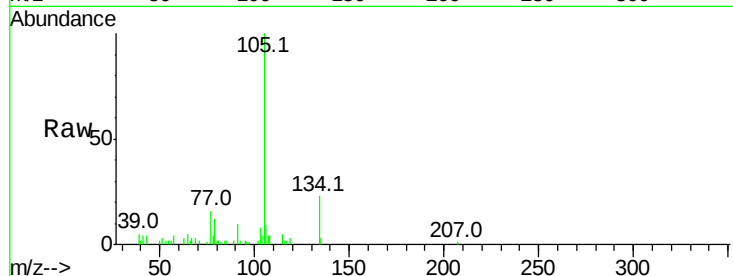
Tot Ion:105 Resp: 42401

Ion Ratio Lower Upper

105 100

77 15.7 59.0 88.4#

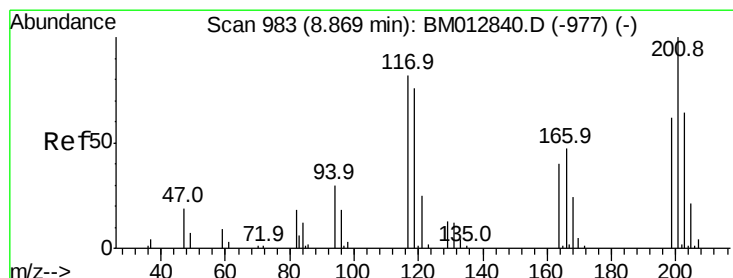
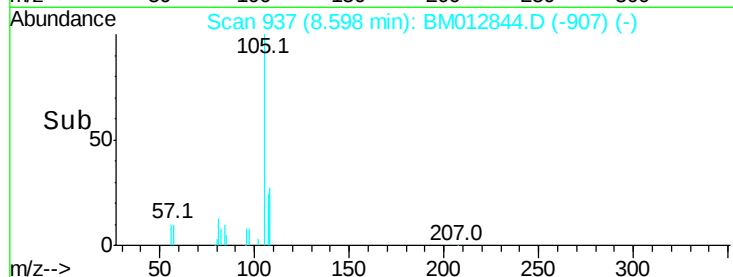
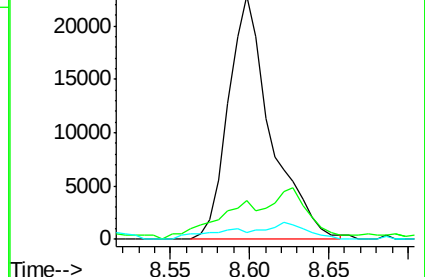
51 2.9 16.4 24.6#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#17

Hexachloroethane

Concen: 3.524 ng/ul

RT: 8.90 min Scan# 988

Delta R.T. 0.03 min

Lab File: BM012844.D

Acq: 09 Nov 2017 09:07

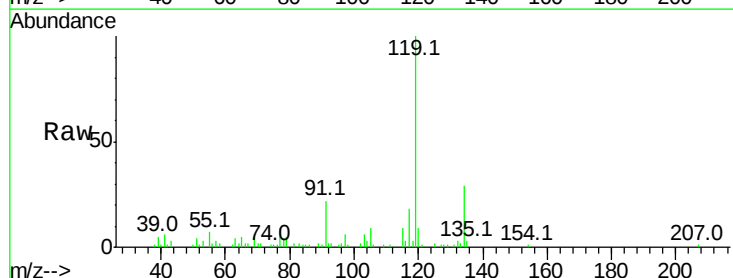
Tgt Ion:117 Resp: 11661

Ion Ratio Lower Upper

117 100

201 0.0 81.5 122.3#

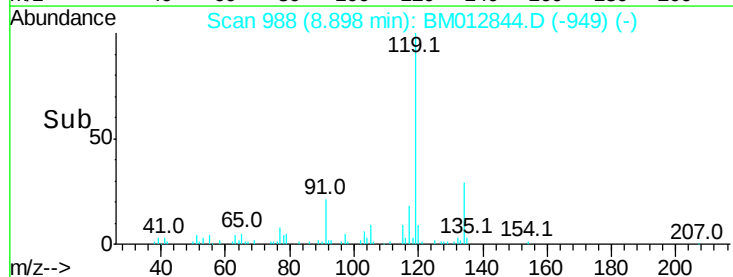
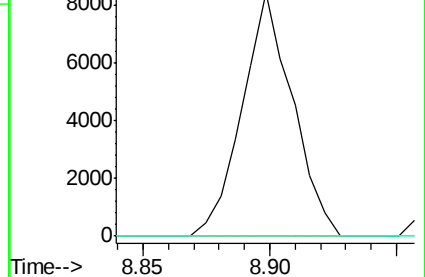
199 0.0 50.6 76.0#

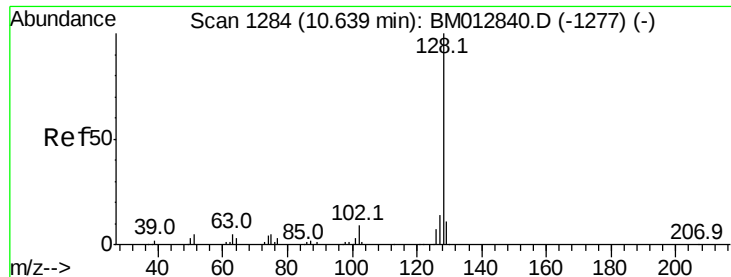


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#28

Naphthalene

Concen: 3.108 ng/ul

RT: 10.64 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BM012844.D

Acq: 09 Nov 2017 09:07

Instrument :

BNA_M

ClientSampleId :

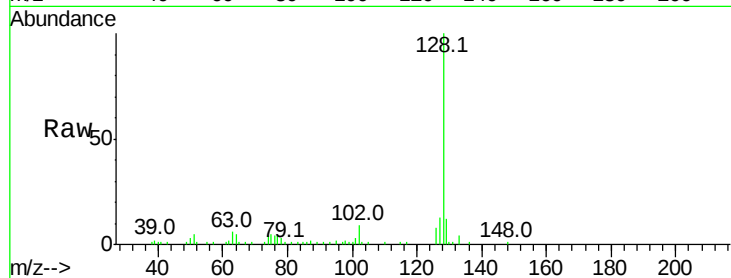
Tot Ion:128 Resp: 83166

Ion Ratio Lower Upper

128 100

129 12.2 8.8 13.2

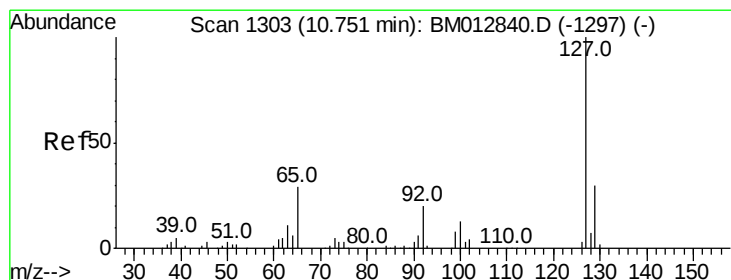
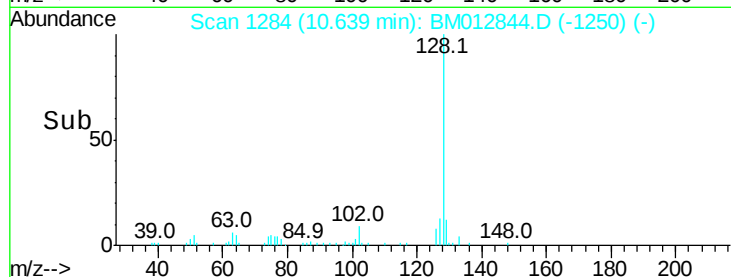
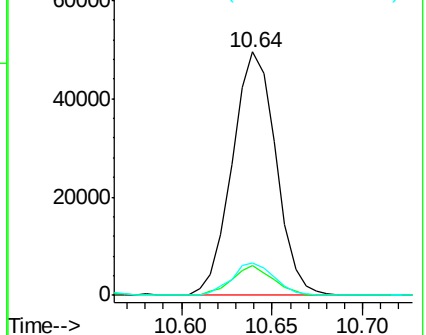
127 13.3 10.5 15.7



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



#30

4-Chloroaniline

Concen: 1.202 ng/ul

RT: 10.64 min Scan# 1284

Delta R.T. -0.11 min

Lab File: BM012844.D

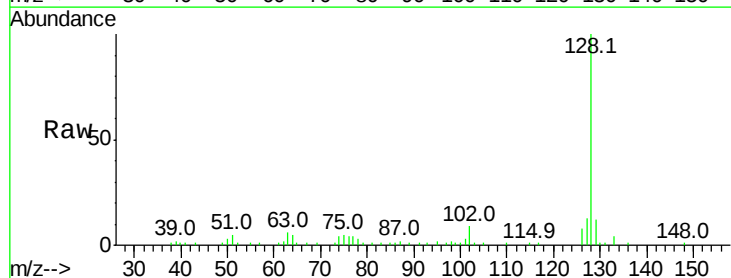
Acq: 09 Nov 2017 09:07

Tgt Ion:127 Resp: 10819

Ion Ratio Lower Upper

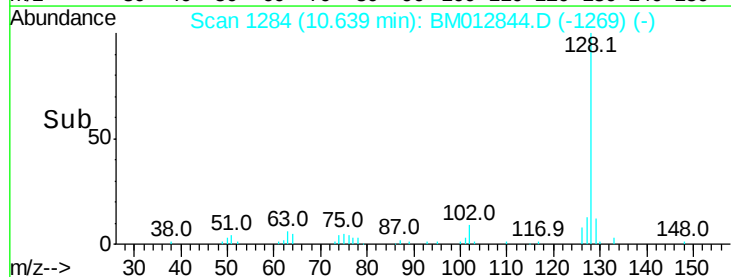
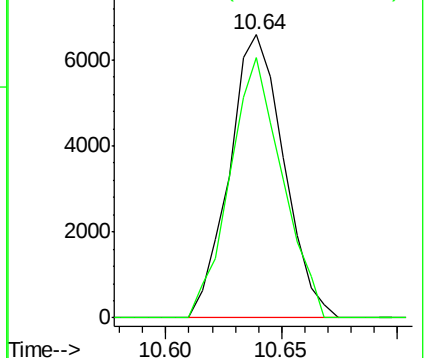
127 100

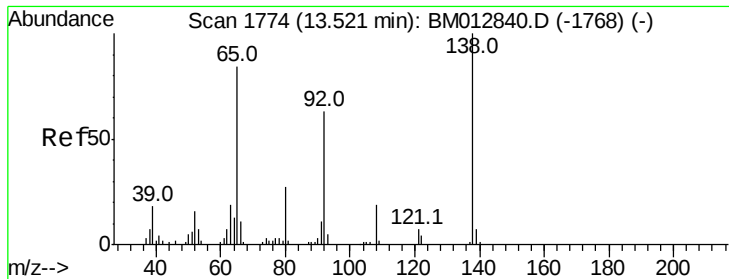
129 91.9 25.4 38.2#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

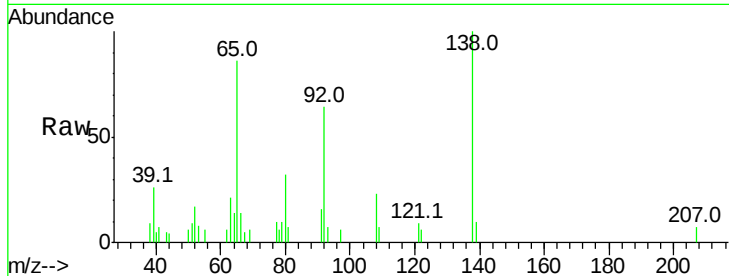




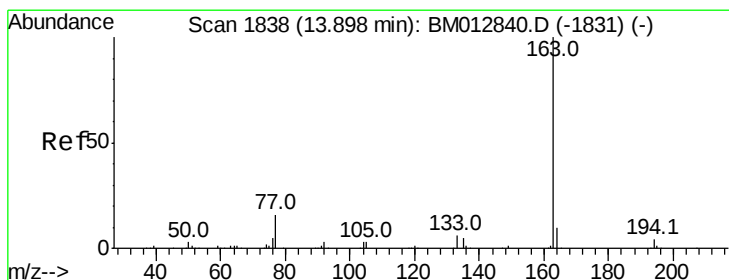
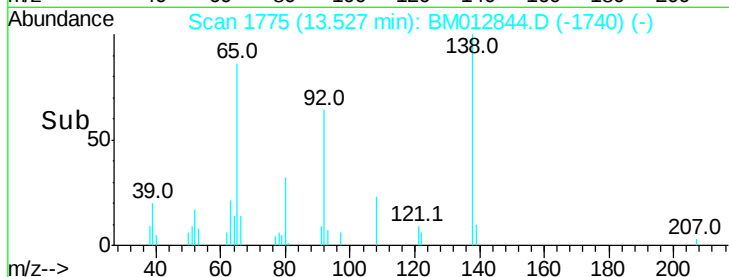
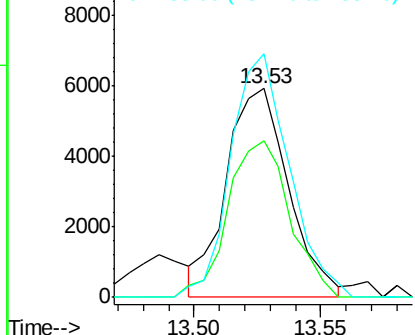
#42
2-Nitroaniline
Concen: 2.015 ng/ul
RT: 13.53 min Scan# 1775
Delta R.T. 0.01 min
Lab File: BM012844.D
Acq: 09 Nov 2017 09:07

Instrument :
BNA_M
ClientSampleId :

Tot Ion: 65 Resp: 10128
Ion Ratio Lower Upper
65 100
92 74.8 60.4 90.6
138 116.7 99.8 149.6

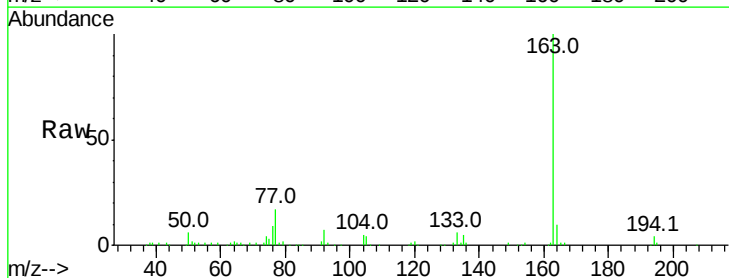


Abundance Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0
Ion 138.00 (137.70 to 138.70): E

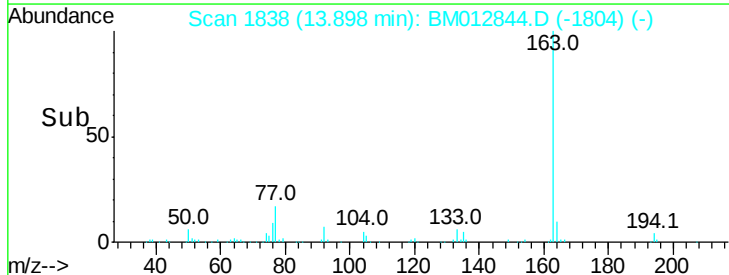
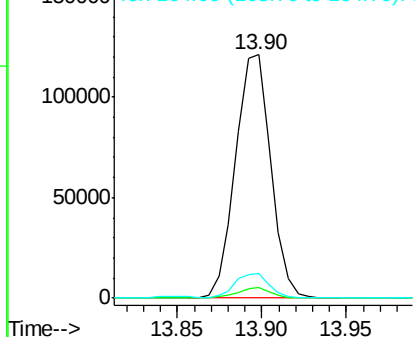


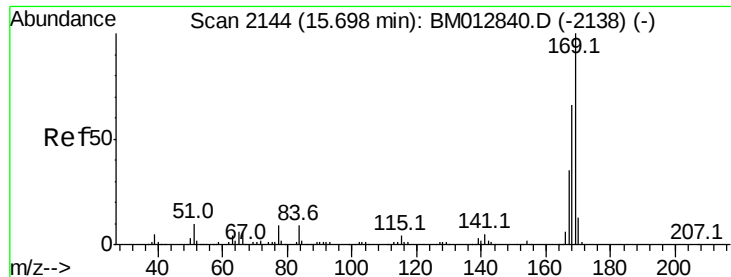
#44
Dimethylphthalate
Concen: 6.615 ng/ul
RT: 13.90 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BM012844.D
Acq: 09 Nov 2017 09:07

Tgt Ion:163 Resp: 176861
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 10.3 7.8 11.8



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





#64

N-Nitrosodiphenylamine

Concen: 1.149 ng/ul

RT: 15.70 min Scan# 2144

Delta R.T. 0.00 min

Lab File: BM012844.D

Acq: 09 Nov 2017 09:07

Instrument :

BNA_M

ClientSampled :

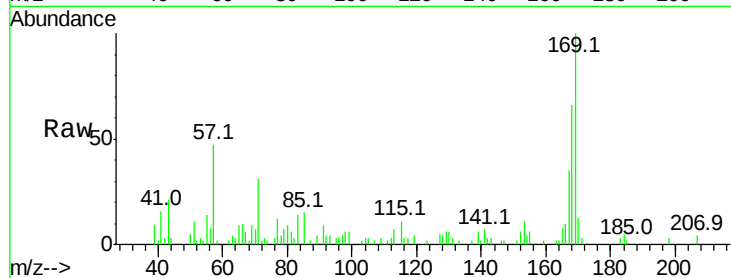
Tot Ion:169 Resp: 23823

Ion Ratio Lower Upper

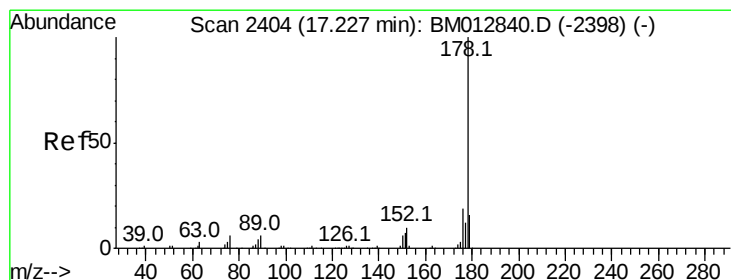
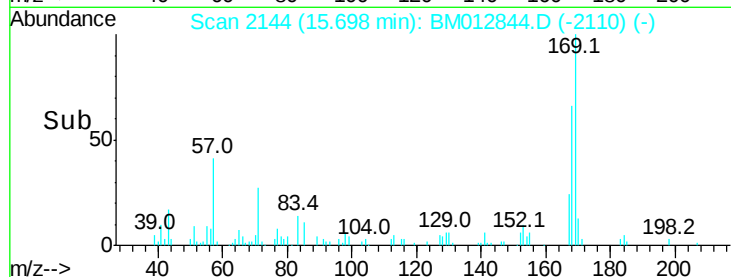
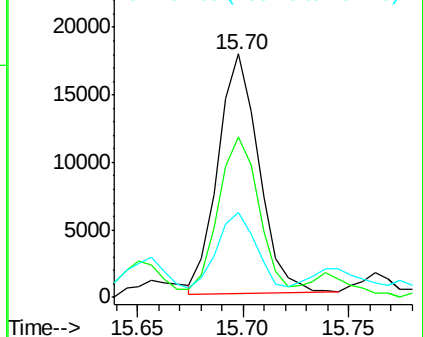
169 100

168 65.8 53.8 80.8

167 34.6 29.3 43.9



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: 15.270 ng/ul

RT: 17.23 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BM012844.D

Acq: 09 Nov 2017 09:07

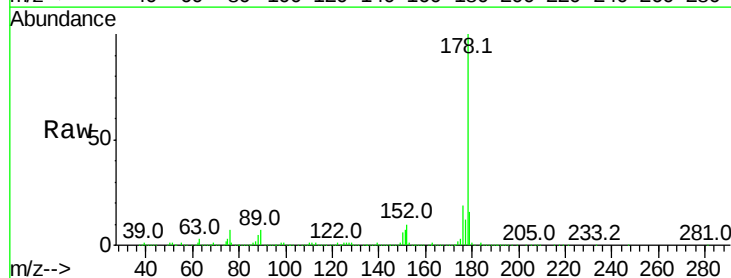
Tgt Ion:178 Resp: 573096

Ion Ratio Lower Upper

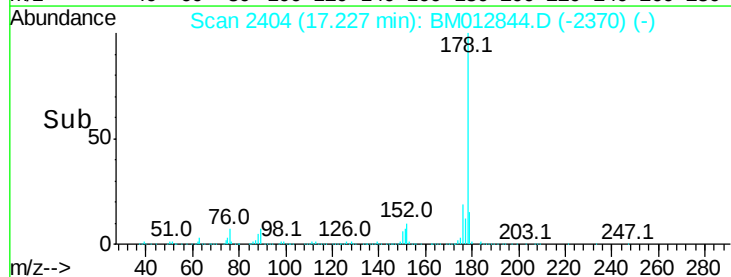
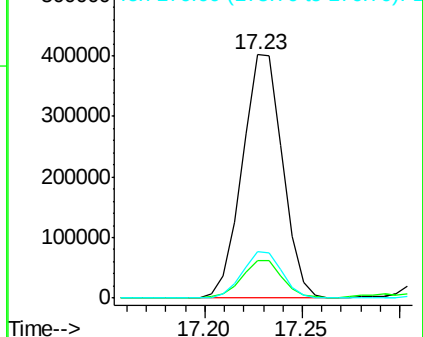
178 100

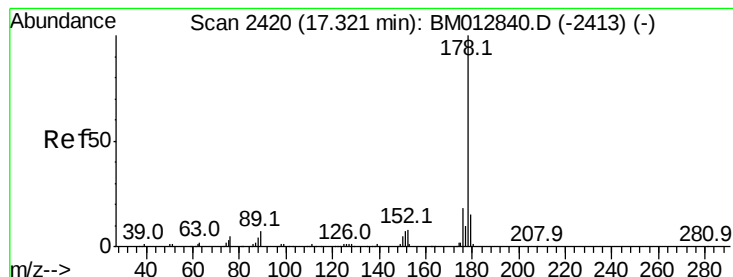
179 15.5 12.2 18.4

176 19.1 15.6 23.4



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: 3.653 ng/ul

RT: 17.32 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BM012844.D

Acq: 09 Nov 2017 09:07

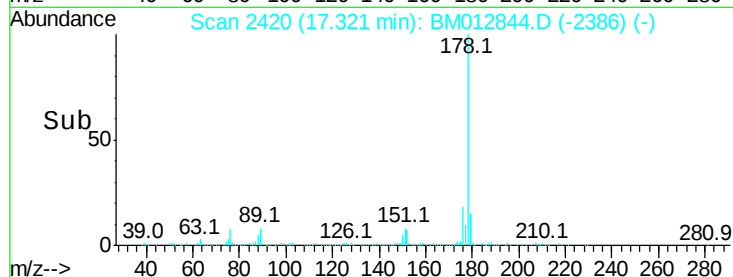
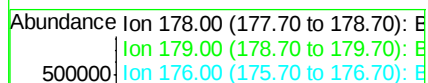
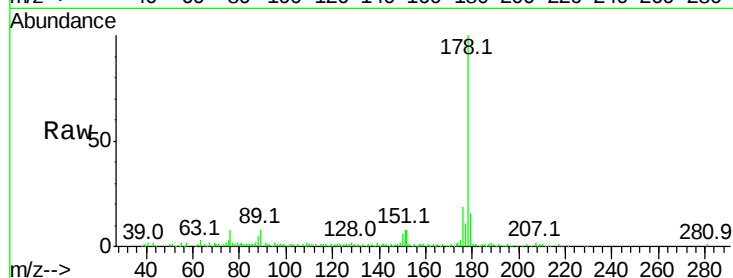
Instrument :

BNA_M

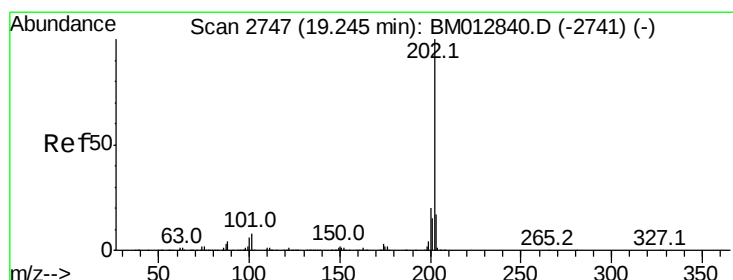
ClientSampleId :

Tot Ion:178 Resp: 142147

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.1	18.1
176	18.5	14.8	22.2



Time-->



#76

Fluoranthene

Concen: 25.174 ng/ul

RT: 19.24 min Scan# 2747

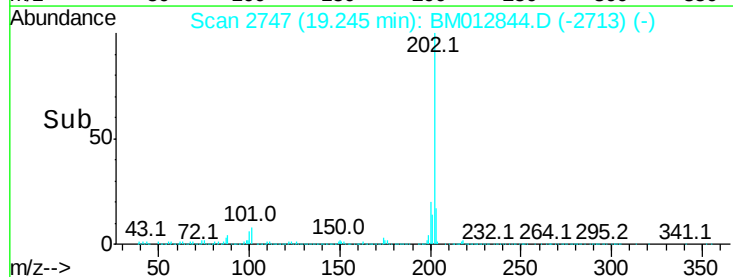
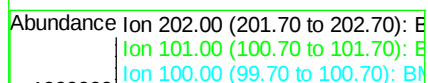
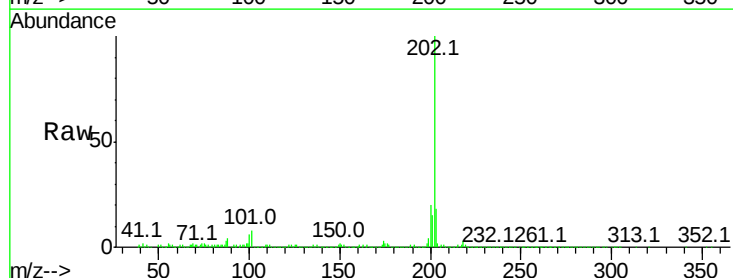
Delta R.T. 0.00 min

Lab File: BM012844.D

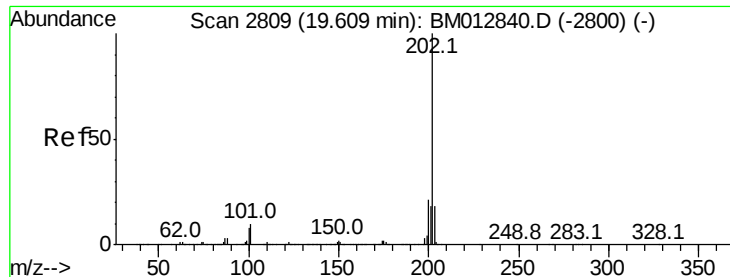
Acq: 09 Nov 2017 09:07

Tgt Ion:202 Resp: 1135339

Ion	Ratio	Lower	Upper
202	100		
101	8.5	8.8	13.2#
100	6.5	6.6	9.8#



Time-->



#79

Pvrene

Concen: 27.939 ng/ul

RT: 19.61 min Scan# 2809

Delta R.T. 0.00 min

Lab File: BM012844.D

Acq: 09 Nov 2017 09:07

Instrument :

BNA_M

ClientSampleId :

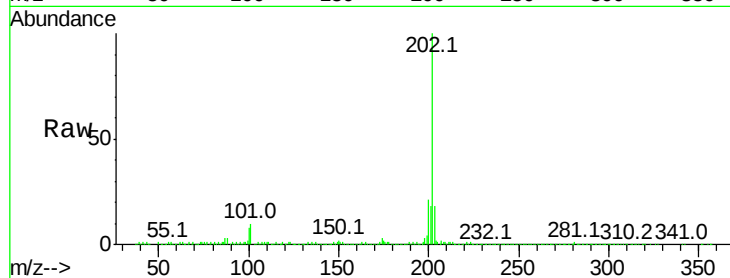
Tot Ion:202 Resp: 1029408

Ion	Ratio	Lower	Upper
202	100		
101	9.9	10.2	15.2#
100	8.1	8.5	12.7#

202 100

101 9.9 10.2 15.2#

100 8.1 8.5 12.7#

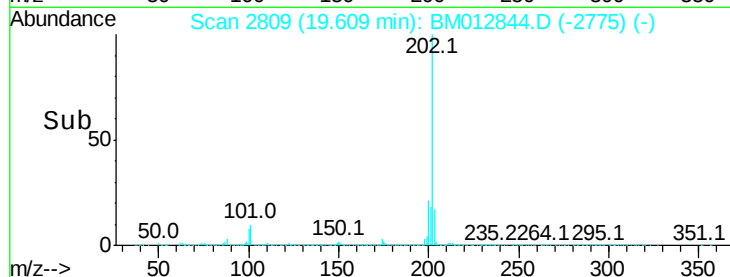


Abundance Ion 202.00 (201.70 to 202.70): E

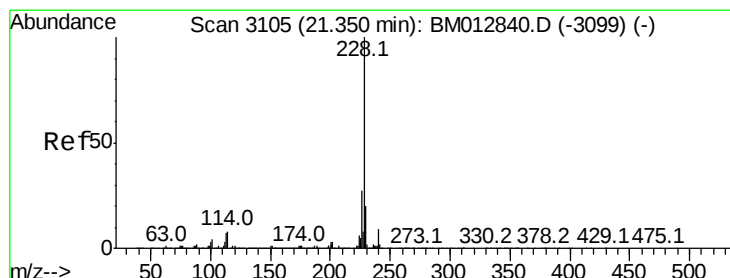
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time--> 19.50 19.55 19.60 19.65



Time--> 19.50 19.55 19.60 19.65



#82

Benzo(a)anthracene

Concen: 18.071 ng/ul

RT: 21.36 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BM012844.D

Acq: 09 Nov 2017 09:07

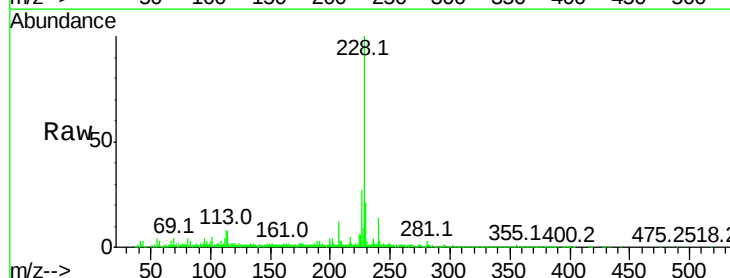
Tgt Ion:228 Resp: 675289

Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.7	23.5
226	26.8	21.8	32.6

228 100

229 21.1 15.7 23.5

226 26.8 21.8 32.6

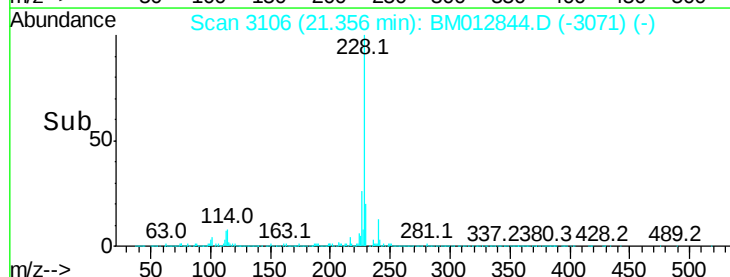


Abundance Ion 228.00 (227.70 to 228.70): E

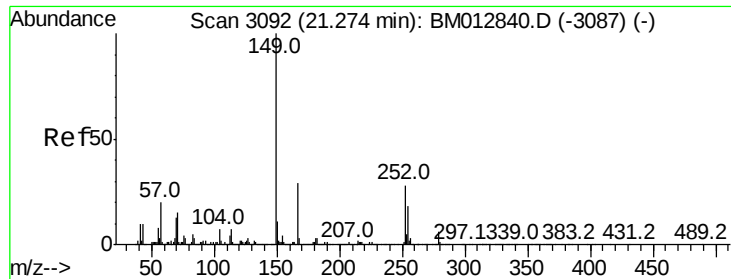
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time--> 21.30 21.35 21.40



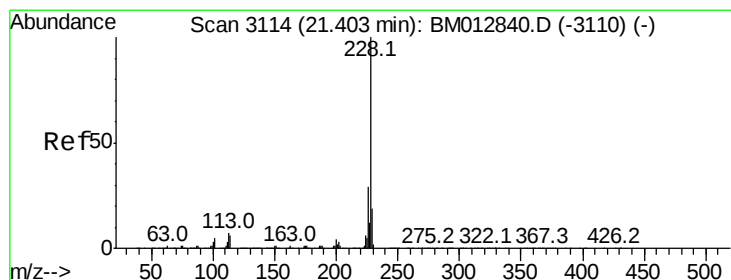
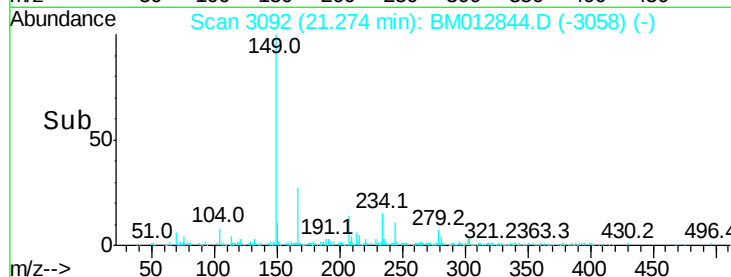
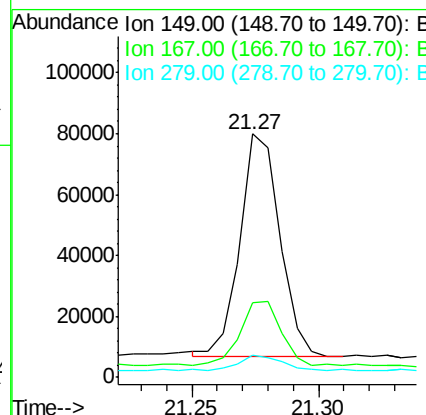
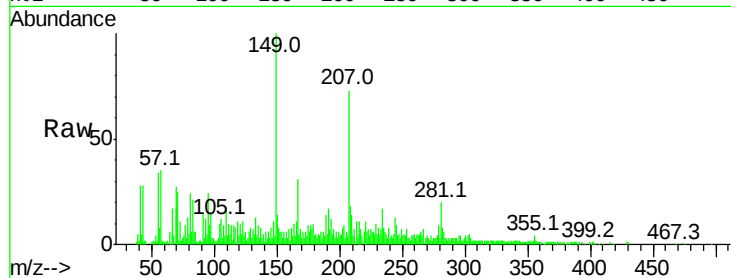
Time--> 21.30 21.35 21.40



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.114 ng/ul
 RT: 21.27 min Scan# 3092
 Delta R.T. 0.00 min
 Lab File: BM012844.D
 Acq: 09 Nov 2017 09:07

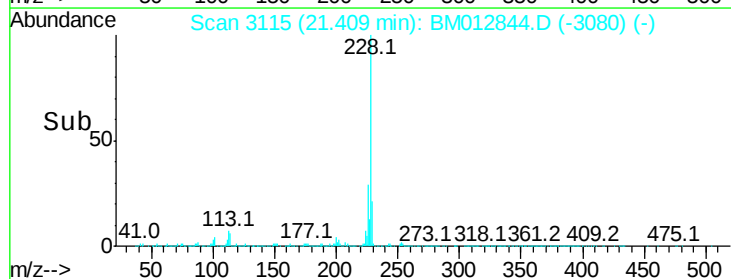
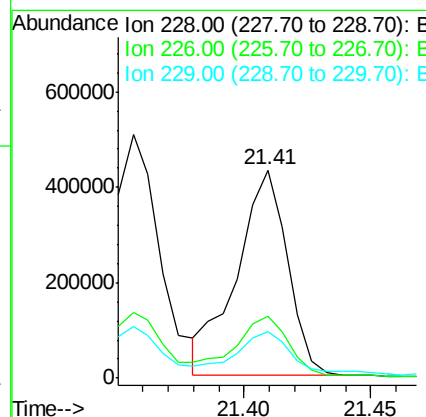
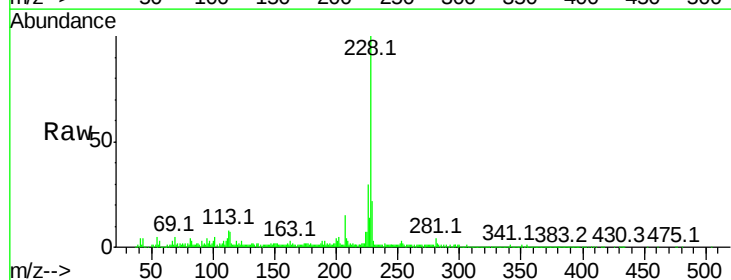
Instrument :
 BNA_M
 ClientSampleId :

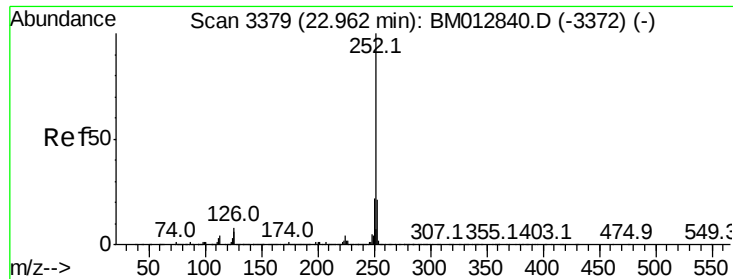
Tot Ion:149 Resp: 80535
 Ion Ratio Lower Upper
 149 100
 167 30.6 21.6 32.4
 279 9.3 3.0 4.4#



#84
 Chrysene
 Concen: 17.736 ng/ul
 RT: 21.41 min Scan# 3115
 Delta R.T. 0.01 min
 Lab File: BM012844.D
 Acq: 09 Nov 2017 09:07

Tgt Ion:228 Resp: 600678
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.0 36.0
 229 22.3 15.6 23.4





#87

Benzo(b)fluoranthene

Concen: 21.911 ng/ul

RT: 22.98 min Scan# 3382

Delta R.T. 0.02 min

Lab File: BM012844.D

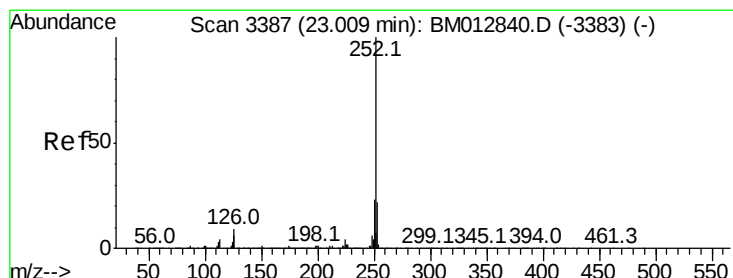
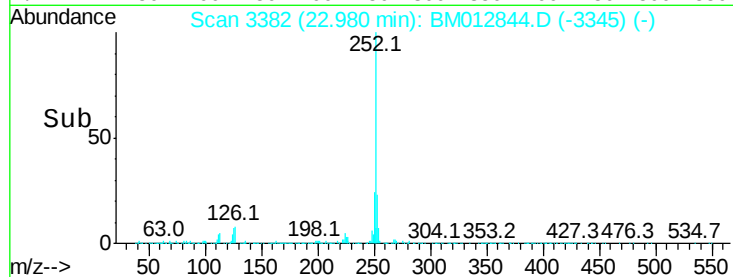
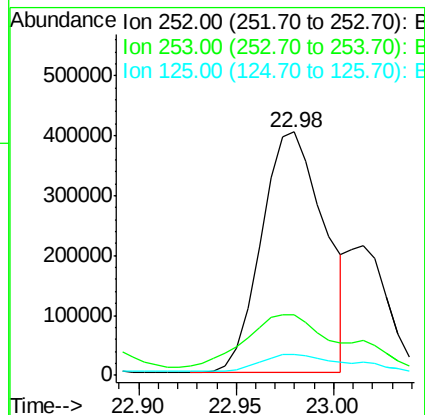
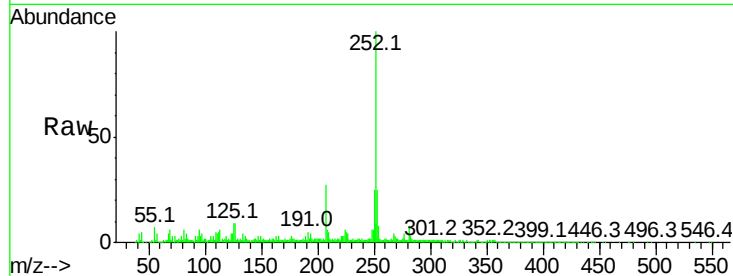
Acq: 09 Nov 2017 09:07

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	900425	
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.5	26.3
125	8.8	8.5	12.7



#88

Benzo(k)fluoranthene

Concen: 23.051 ng/ul

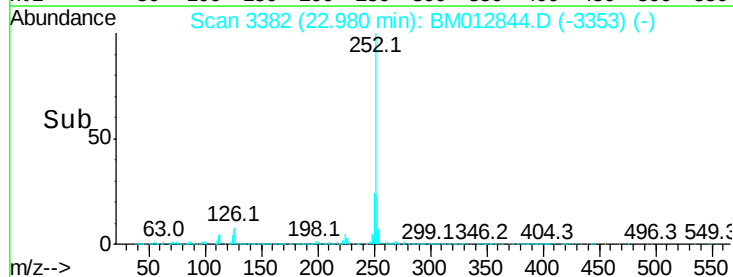
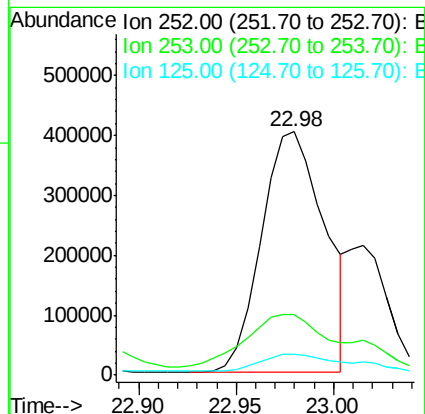
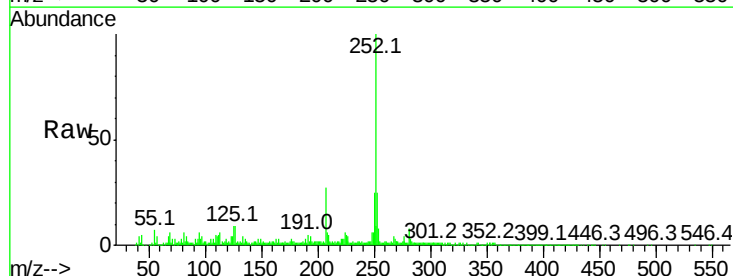
RT: 22.98 min Scan# 3382

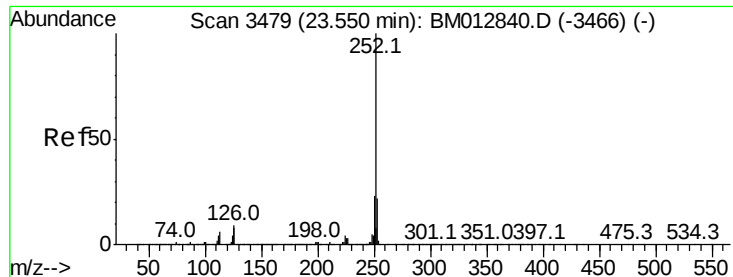
Delta R.T. -0.03 min

Lab File: BM012844.D

Acq: 09 Nov 2017 09:07

Tgt Ion	252	Resp:	900425
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.3	25.9
125	8.8	8.2	12.2





#90

Benzo(a)pyrene

Concen: 11.856 ng/ul

RT: 23.47 min Scan# 3465

Delta R.T. -0.08 min

Lab File: BM012844.D

Acq: 09 Nov 2017 09:07

Instrument :

BNA_M

ClientSampleId :

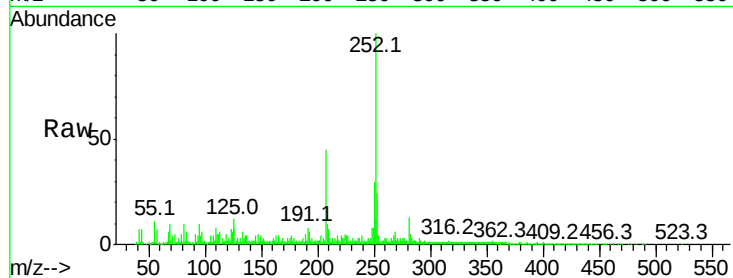
Tot Ion:252 Resp: 463600

Ion Ratio Lower Upper

252 100

253 24.3 17.2 25.8

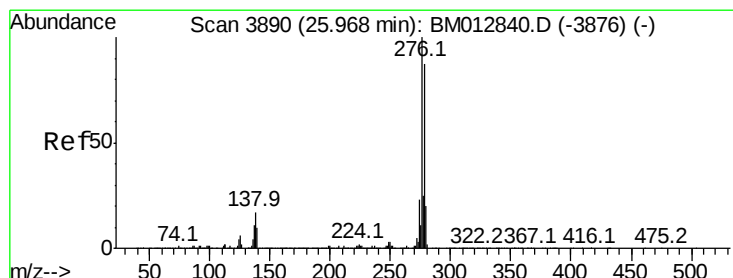
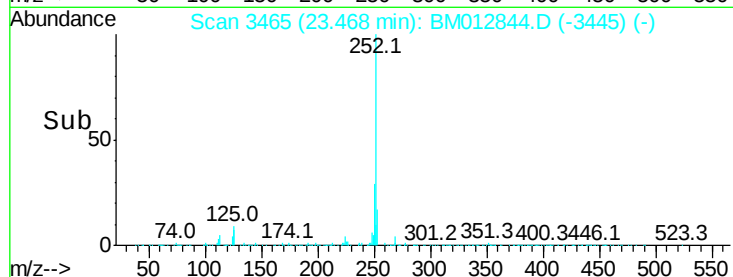
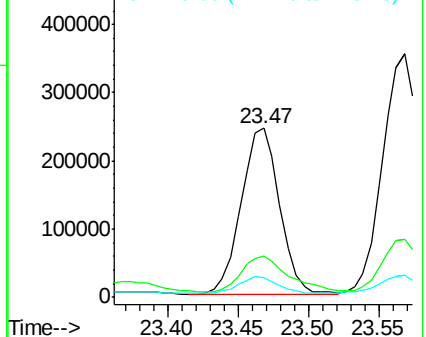
125 11.7 9.0 13.6



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 10.454 ng/ul

RT: 25.99 min Scan# 3894

Delta R.T. 0.02 min

Lab File: BM012844.D

Acq: 09 Nov 2017 09:07

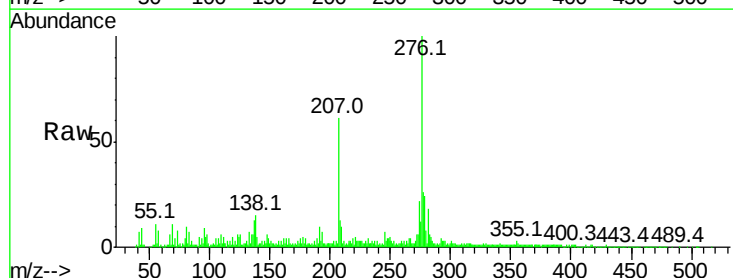
Tgt Ion:276 Resp: 492680

Ion Ratio Lower Upper

276 100

138 14.9 22.3 33.5#

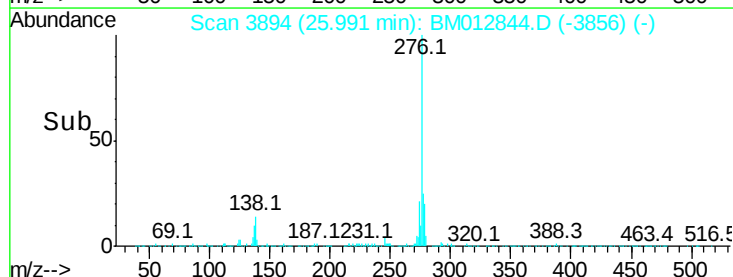
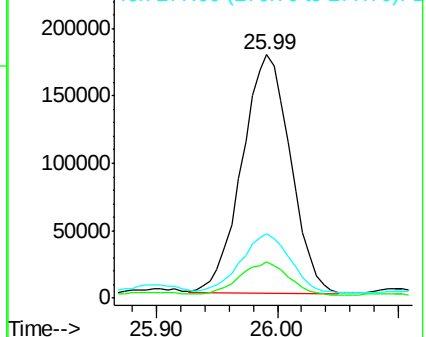
277 26.2 20.2 30.2

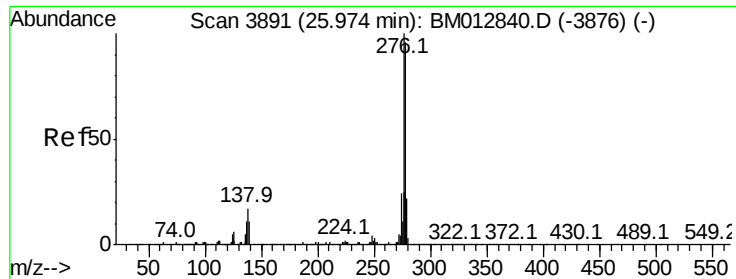


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 3.530 ng/ul

RT: 25.99 min Scan# 3893

Delta R.T. 0.01 min

Lab File: BM012844.D

Acq: 09 Nov 2017 09:07

Instrument :

BNA_M

ClientSampleId :

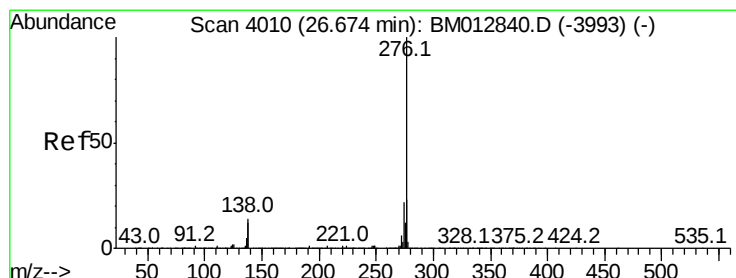
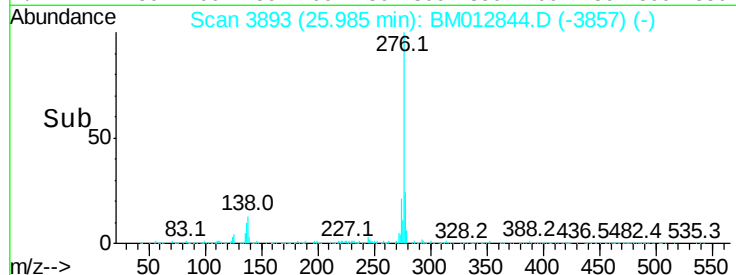
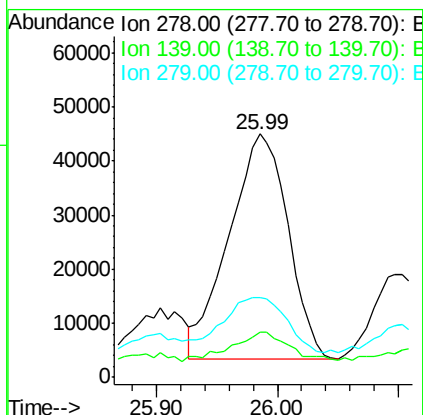
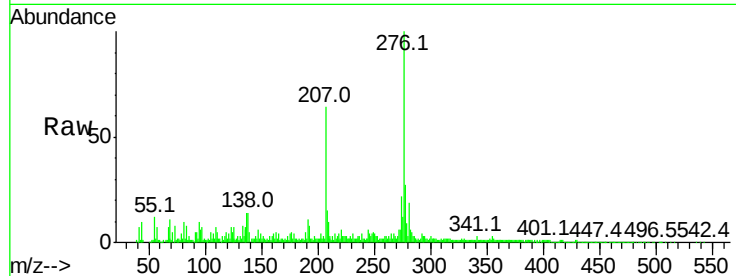
Tot Ion:278 Resp: 140822

Ion Ratio Lower Upper

278 100

139 18.5 13.9 20.9

279 33.0 19.0 28.4#



#93

Benzo(g,h,i)perylene

Concen: 10.950 ng/ul

RT: 26.71 min Scan# 4016

Delta R.T. 0.04 min

Lab File: BM012844.D

Acq: 09 Nov 2017 09:07

Tgt Ion:276 Resp: 425230

Ion Ratio Lower Upper

276 100

138 14.6 18.9 28.3#

277 25.4 19.2 28.8

