

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101217\
 Data File : BM012129.D
 Acq On : 13 Oct 2017 09:27
 Operator : SJ/JU
 Sample : I5568-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 13 18:48:42 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	7.85	152	320133	20.00	ng/ul	0.02
18) Naphthalene-d8	10.66	136	1386238	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.50	164	831796	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.26	188	1729764	20.00	ng/ul	0.03
75) Chrysene-d12	21.44	240	1774331	20.00	ng/ul	0.04
83) Perylene-d12	23.78	264	1772707	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	24355	3.62	ng/uL	0.00
5) Phenol-d5	7.03	99	562084	21.64	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	7.17	67	386179	24.79	ng/ul	0.02
9) 2-Chlorophenol-d4	7.39	132	421375	19.13	ng/ul	0.03
13) 4-Methylphenol-d8	8.57	113	456532	20.41	ng/ul	0.03
19) Nitrobenzene-d5	9.02	128	272583	25.77	ng/ul	0.02
22) 2-Nitrophenol-d4	9.75	143	122579	9.92	ng/ul	0.03
26) 2,4-Dichlorophenol-d3	10.29	165	347868	14.74	ng/ul	0.04
29) 4-Chloroaniline-d4	10.80	131	580532	26.28	ng/ul	0.02
43) Dimethylphthalate-d6	13.91	166	1804279	24.54	ng/ul	0.02
46) Acenaphthylene-d8	14.20	160	2208605	24.82	ng/ul	0.03
51) 4-Nitrophenol-d4	14.70	143	146	0.01	ng/ul	0.02
57) Fluorene-d10	15.50	176	1509146	25.01	ng/ul	0.03
62) 4,6-Dinitro-2-methylphenol	15.64	200	42	0.00	ng/ul	0.04
70) Anthracene-d10	17.36	188	2122395	24.81	ng/ul	0.04
76) Pyrene-d10	19.65	212	2146573	23.83	ng/ul	0.04
87) Benzo(a)pyrene-d12	23.63	264	2085081	24.40	ng/ul	0.06

Target Compounds

					Ovalue	
4) Benzaldehyde	6.99	77	57222	3.297	ng/ul#	1
6) Phenol	7.05	94	39478	1.470	ng/ul#	71
14) Acetophenone	8.65	105	135539	3.988	ng/ul#	29
15) N-Nitroso-di-n-propylamine	8.71	70	1199130	65.832	ng/ul#	30
17) Hexachloroethane	8.95	117	61613	6.494	ng/ul#	1
28) Naphthalene	10.71	128	431231	6.013	ng/ul#	96
34) 2-Methylnaphthalene	12.32	142	151605	2.801	ng/ul	95
40) 1,1'-Biophenyl	13.33	154	329984	4.701	ng/ul	99
44) Dimethylphthalate	13.96	163	717589	9.743	ng/ul	98
47) Acenaphthylene	14.23	152	195766	2.240	ng/ul	100
69) Phenanthrene	17.30	178	764802	7.772	ng/ul	99
71) Anthracene	17.39	178	287303	2.820	ng/ul	96
74) Fluoranthene	19.32	202	2054212	17.298	ng/ul#	92
77) Pyrene	19.68	202	2585101	22.061	ng/ul#	90
80) Benzo(a)anthracene	21.42	228	1333420	11.549	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.32	149	108712	1.389	ng/ul#	92
82) Chrysene	21.47	228	1221772	11.271	ng/ul	96
85) Benzo(b)fluoranthene	23.07	252	1342049	11.601	ng/ul#	91
86) Benzo(k)fluoranthene	23.07	252	1342049	12.038	ng/ul#	89
88) Benzo(a)pyrene	23.68	252	1002994	9.199	ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	26.19	276	546171	4.717	ng/ul#	88
90) Dibenzo(a,h)anthracene	26.18	278	157423	1.617	ng/ul#	48
91) Benzo(g,h,i)perylene	26.93	276	473751	4.996	ng/ul#	83

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QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration

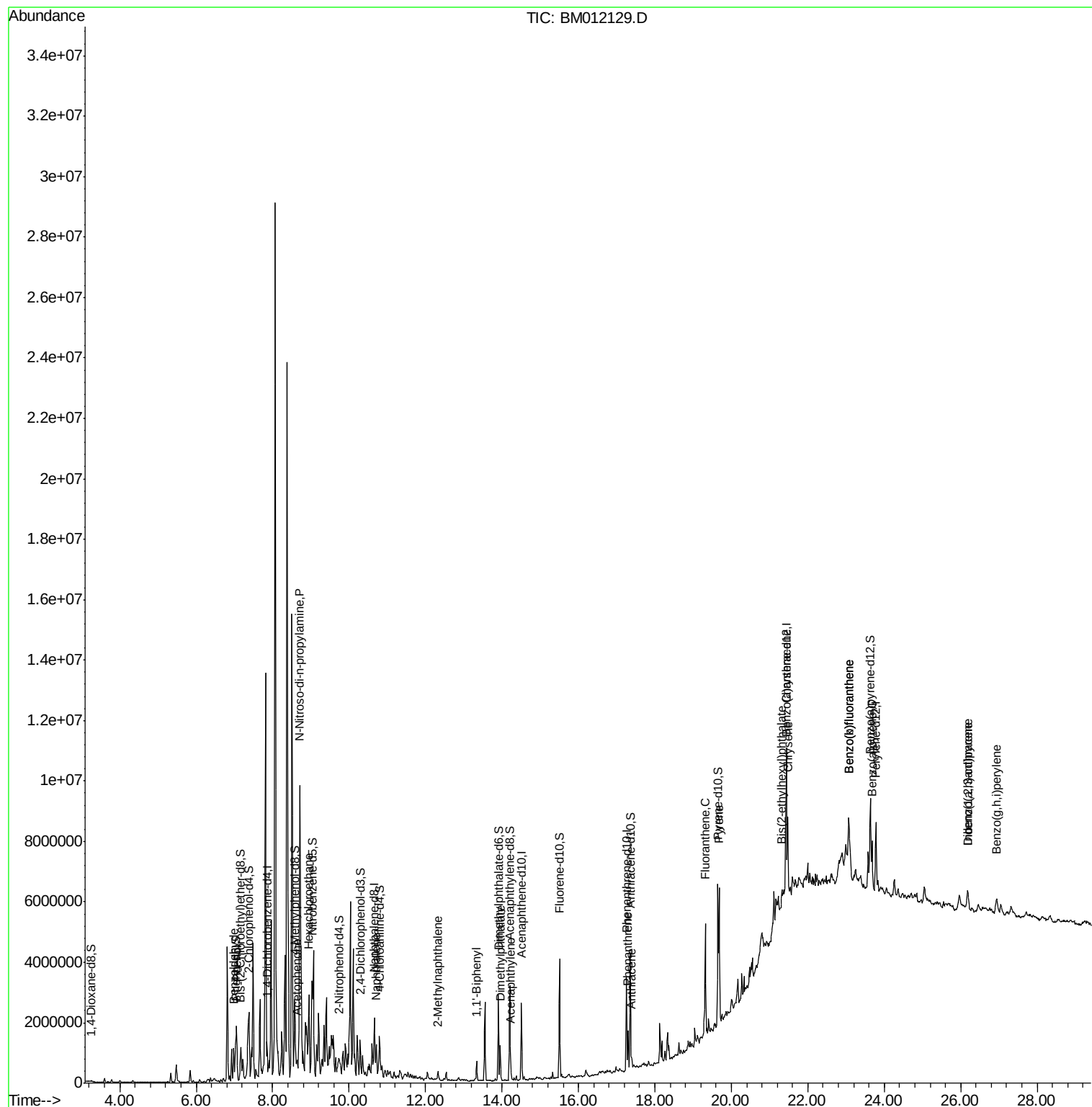
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

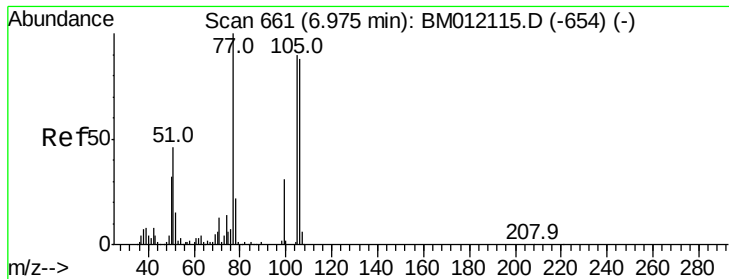
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 3.297 ng/ul

RT: 6.99 min Scan# 663

Delta R.T. 0.01 min

Lab File: BM012129.D

Acq: 13 Oct 2017 09:27

Instrument :

BNA_M

ClientSampled :

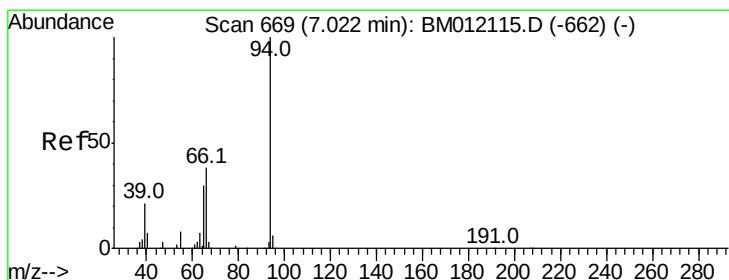
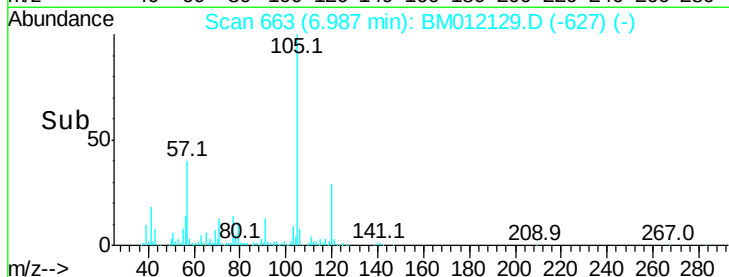
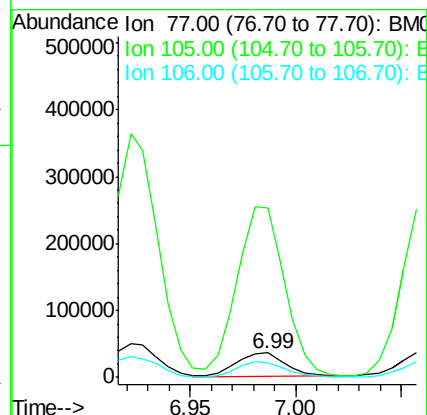
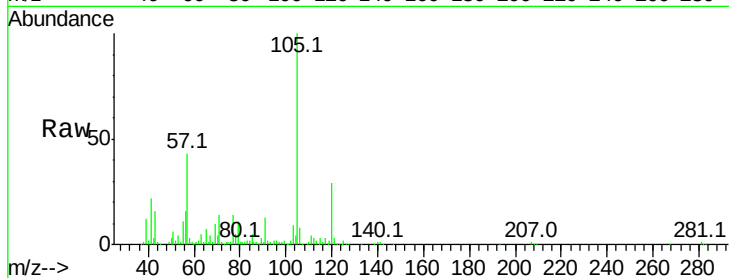
Tot Ion: 77 Resp: 57222

Ion Ratio Lower Upper

77 100

105 691.3 66.1 99.1#

106 58.6 67.8 101.6#



#6

Phenol

Concen: 1.470 ng/ul

RT: 7.05 min Scan# 674

Delta R.T. 0.03 min

Lab File: BM012129.D

Acq: 13 Oct 2017 09:27

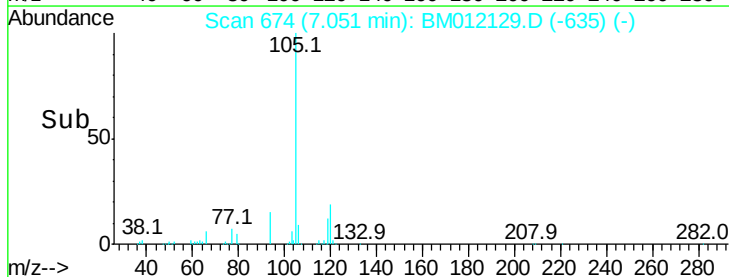
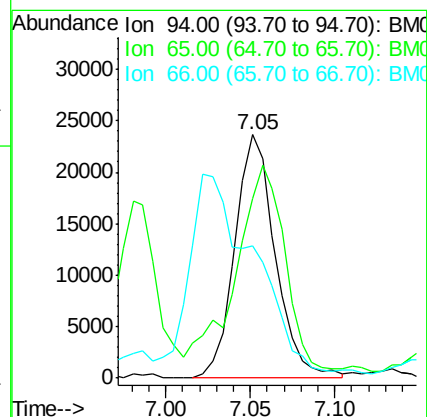
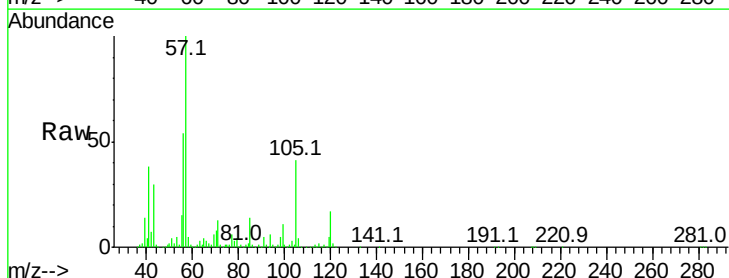
Tgt Ion: 94 Resp: 39478

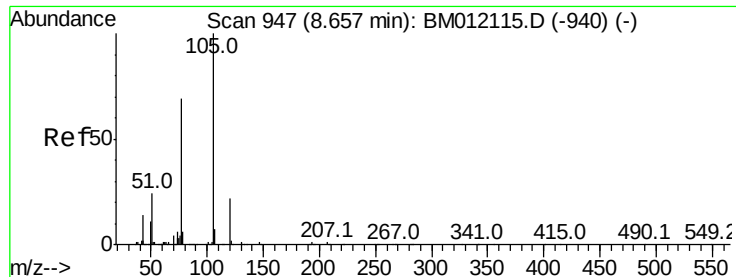
Ion Ratio Lower Upper

94 100

65 73.9 28.2 42.4#

66 54.5 47.2 70.8





#14

Acetophenone

Concen: 3.988 ng/ul

RT: 8.65 min Scan# 945

Delta R.T. -0.01 min

Lab File: BM012129.D

Acq: 13 Oct 2017 09:27

Instrument :

BNA_M

ClientSampleId :

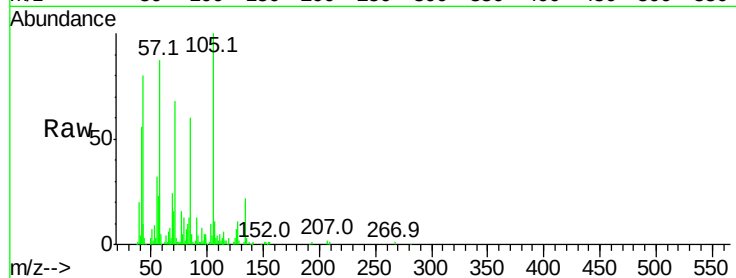
Tot Ion:105 Resp: 135539

Ion Ratio Lower Upper

105 100

77 15.9 74.2 111.4#

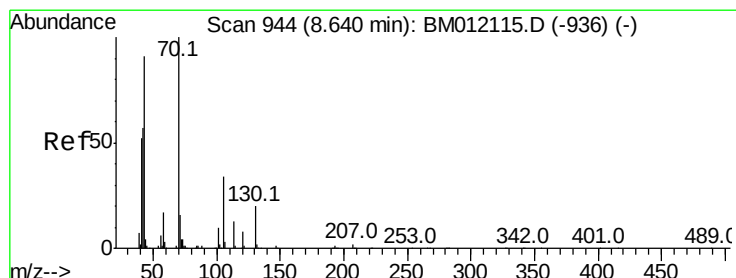
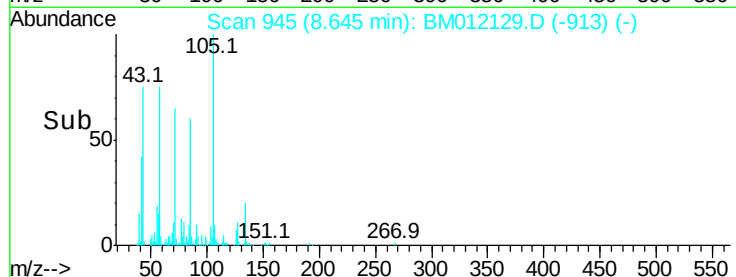
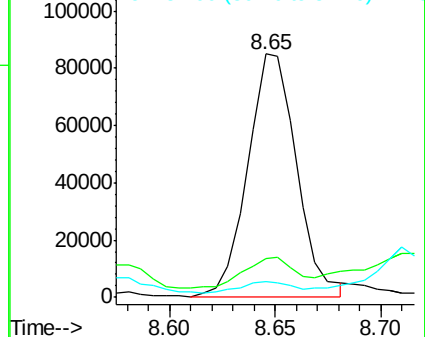
51 6.7 23.4 35.2#



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



#15

N-Nitroso-di-n-propylamine

Concen: 65.832 ng/ul

RT: 8.71 min Scan# 956

Delta R.T. 0.07 min

Lab File: BM012129.D

Acq: 13 Oct 2017 09:27

Tgt Ion: 70 Resp: 1199130

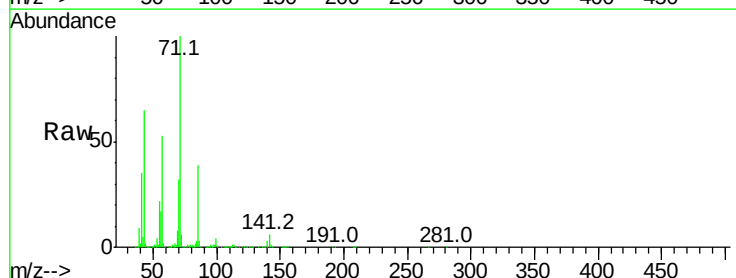
Ion Ratio Lower Upper

70 100

42 17.0 76.0 114.0#

101 0.0 6.7 10.1#

130 0.0 14.6 22.0#

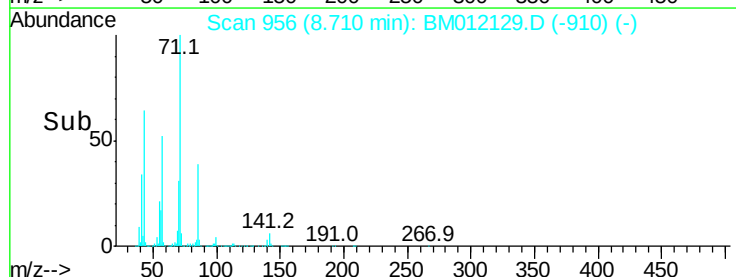
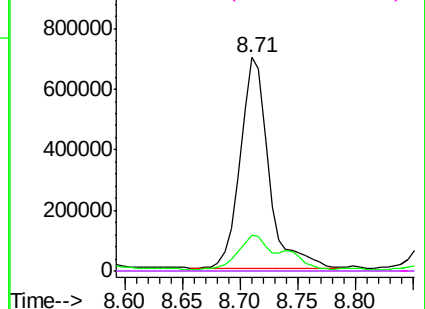


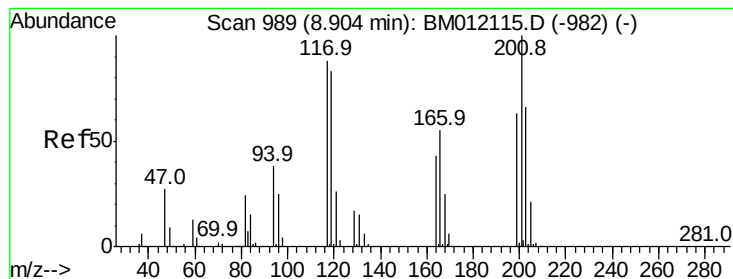
Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#17

Hexachloroethane

Concen: 6.494 ng/ul

RT: 8.95 min Scan# 997

Delta R.T. 0.05 min

Lab File: BM012129.D

Acq: 13 Oct 2017 09:27

Instrument :

BNA_M

ClientSampleId :

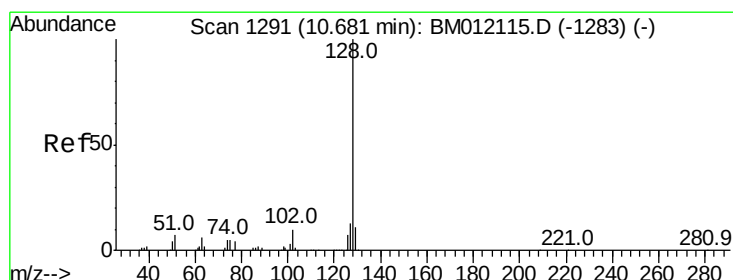
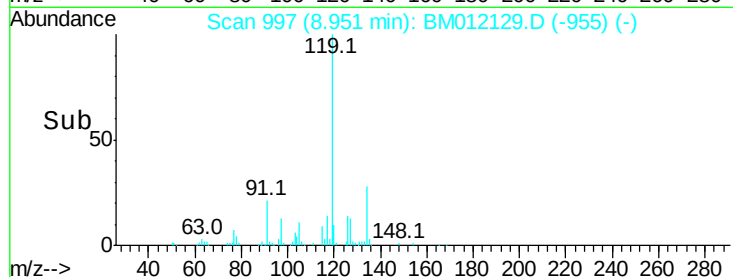
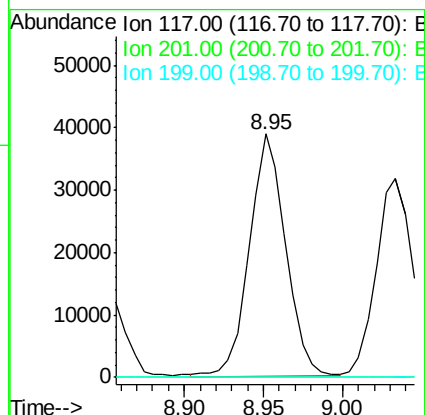
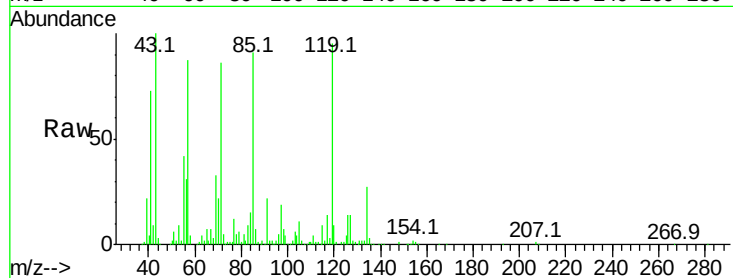
Tot Ion:117 Resp: 61613

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

199 0.0 67.8 101.6#



#28

Naphthalene

Concen: 6.013 ng/ul

RT: 10.71 min Scan# 1296

Delta R.T. 0.03 min

Lab File: BM012129.D

Acq: 13 Oct 2017 09:27

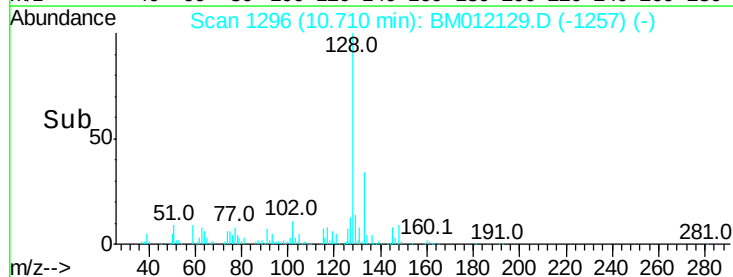
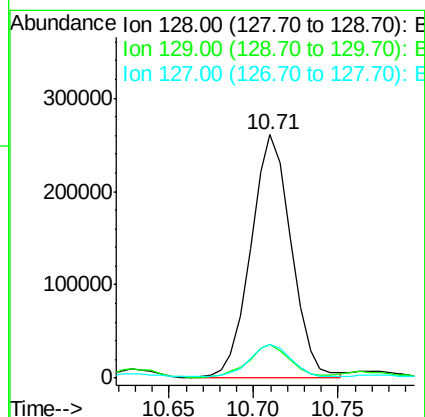
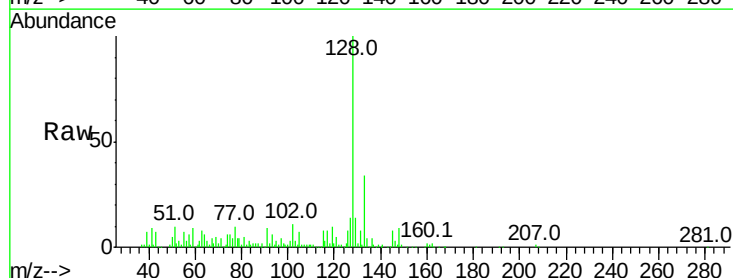
Tgt Ion:128 Resp: 431231

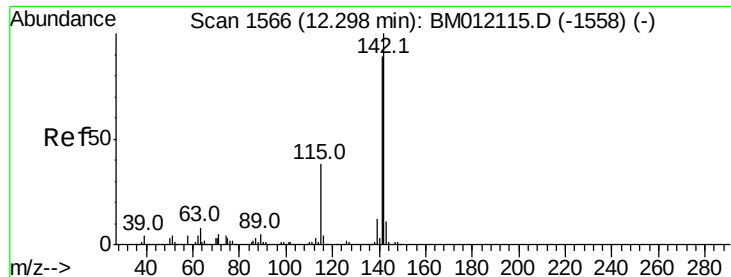
Ion Ratio Lower Upper

128 100

129 13.9 8.8 13.2#

127 13.7 10.6 16.0

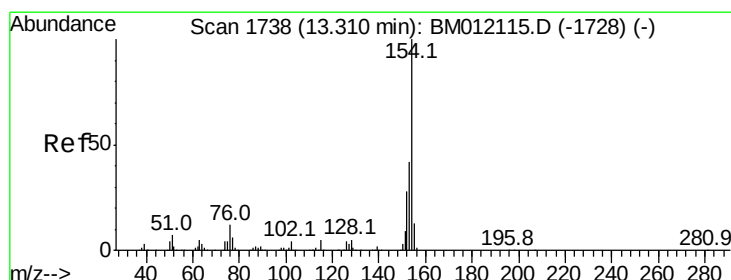
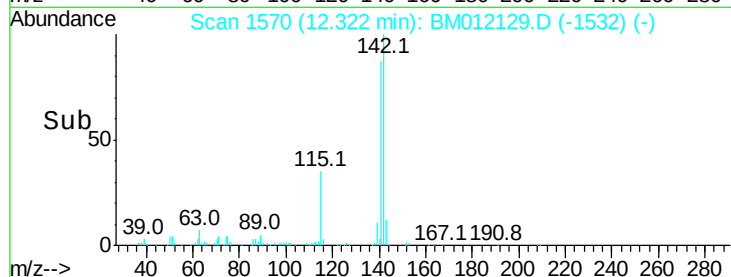
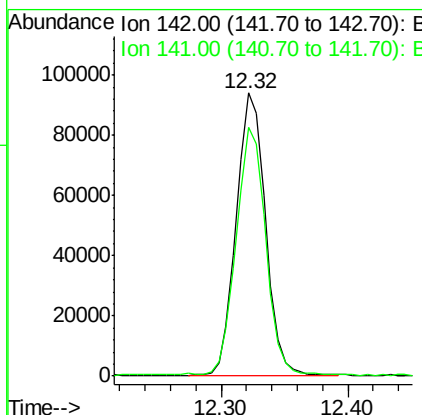
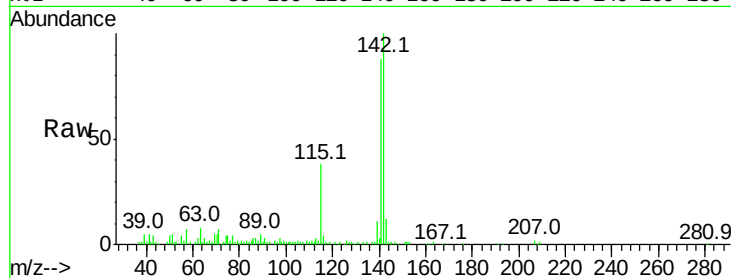




#34
 2-Methylnaphthalene
 Concen: 2.801 ng/ul
 RT: 12.32 min Scan# 1570
 Delta R.T. 0.02 min
 Lab File: BM012129.D
 Acq: 13 Oct 2017 09:27

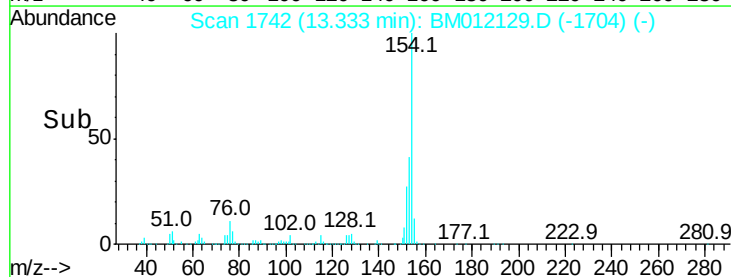
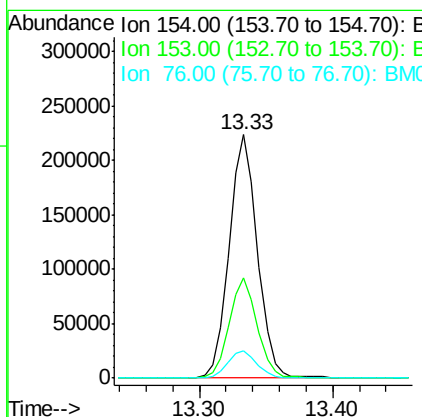
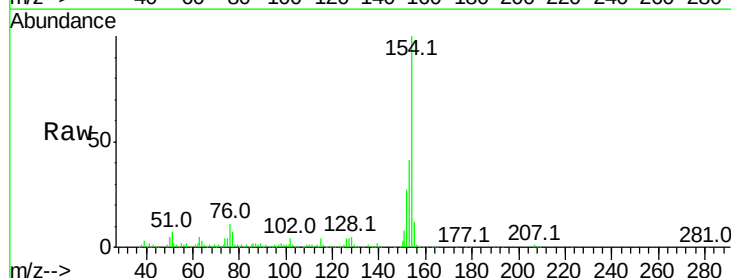
Instrument :
 BNA_M
 ClientSampled :

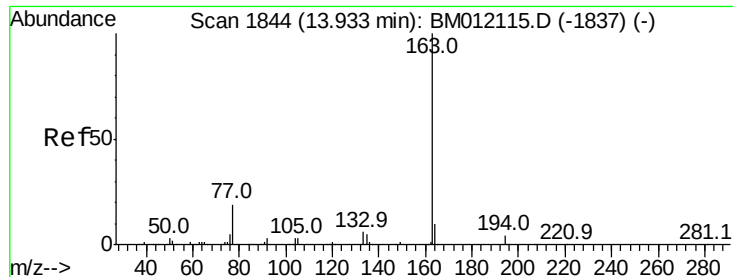
Tot Ion:142 Resp: 151605
 Ion Ratio Lower Upper
 142 100
 141 87.8 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 4.701 ng/ul
 RT: 13.33 min Scan# 1742
 Delta R.T. 0.02 min
 Lab File: BM012129.D
 Acq: 13 Oct 2017 09:27

Tgt Ion:154 Resp: 329984
 Ion Ratio Lower Upper
 154 100
 153 41.2 32.6 48.8
 76 11.3 8.5 12.7

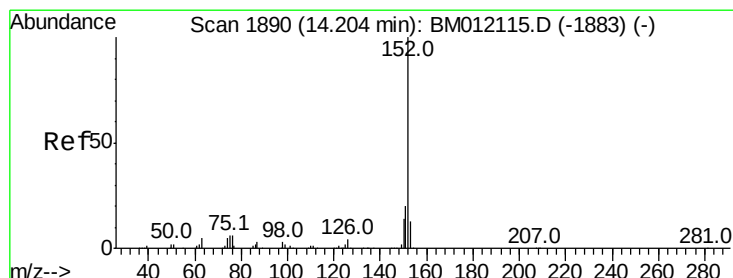
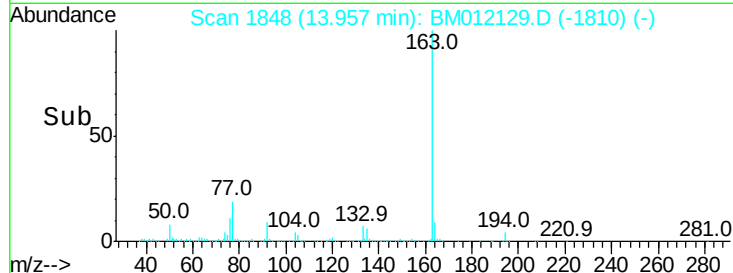
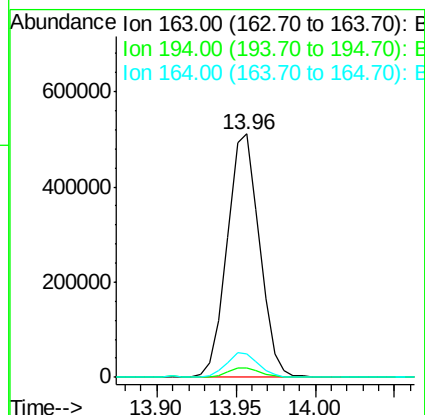
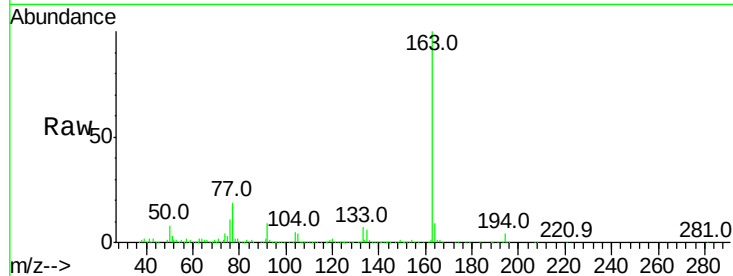




#44
Dimethylphthalate
Concen: 9.743 ng/ul
RT: 13.96 min Scan# 1848
Delta R.T. 0.02 min
Lab File: BM012129.D
Acq: 13 Oct 2017 09:27

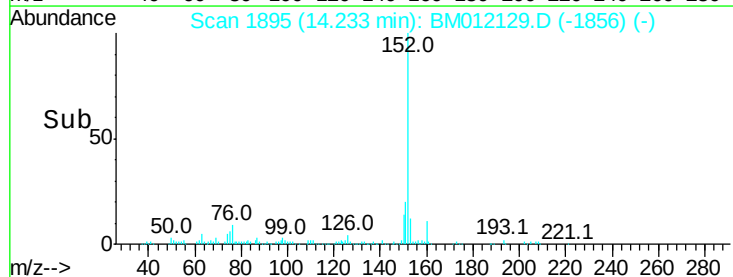
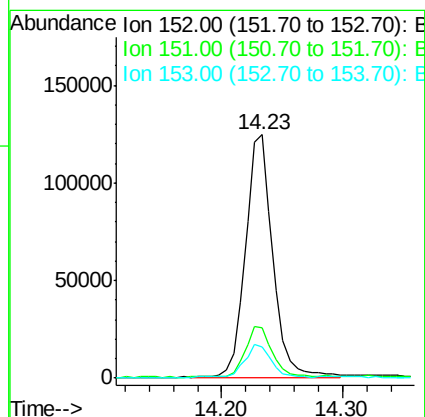
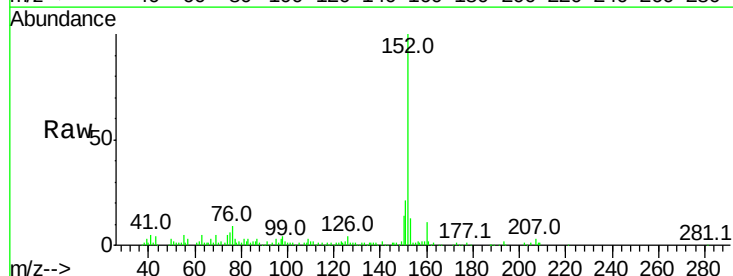
Instrument :
BNA_M
ClientSampleId :

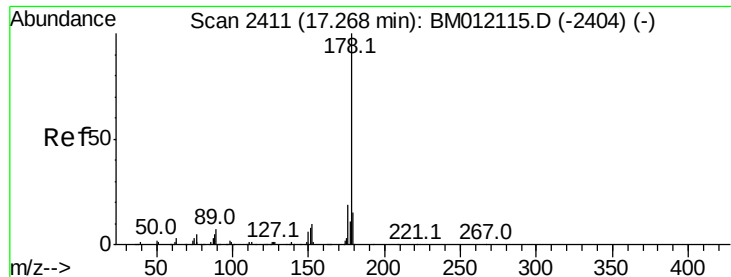
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.5	5.3
164	9.4	8.2	12.4



#47
Acenaphthylene
Concen: 2.240 ng/ul
RT: 14.23 min Scan# 1895
Delta R.T. 0.03 min
Lab File: BM012129.D
Acq: 13 Oct 2017 09:27

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.3	24.5
153	12.7	10.2	15.4





#69

Phenanthrene

Concen: 7.772 ng/ul

RT: 17.30 min Scan# 2416

Delta R.T. 0.03 min

Lab File: BM012129.D

Acq: 13 Oct 2017 09:27

Instrument :

BNA_M

ClientSampleId :

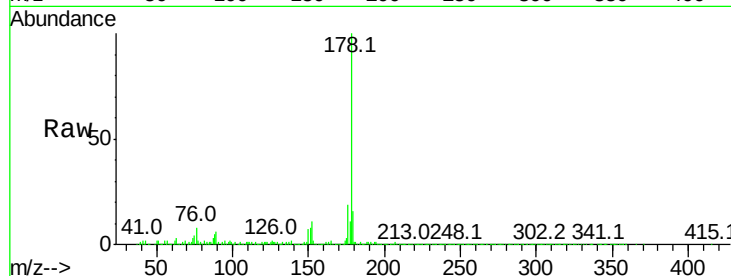
Tot Ion:178 Resp: 764802

Ion Ratio Lower Upper

178 100

179 16.3 12.6 19.0

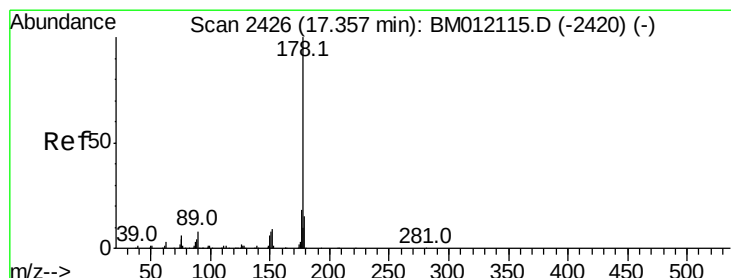
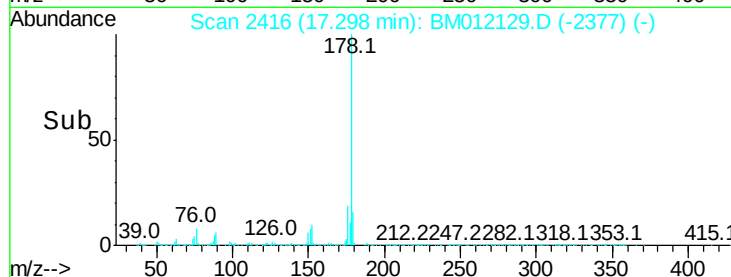
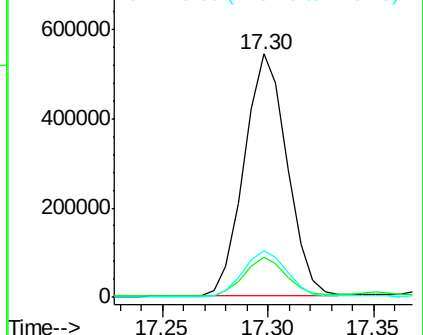
176 18.9 14.9 22.3



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: 2.820 ng/ul

RT: 17.39 min Scan# 2432

Delta R.T. 0.04 min

Lab File: BM012129.D

Acq: 13 Oct 2017 09:27

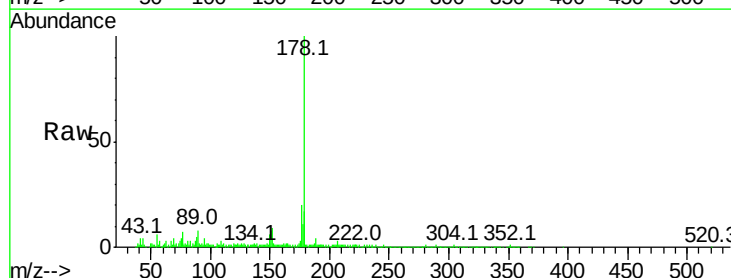
Tgt Ion:178 Resp: 287303

Ion Ratio Lower Upper

178 100

179 16.6 11.7 17.5

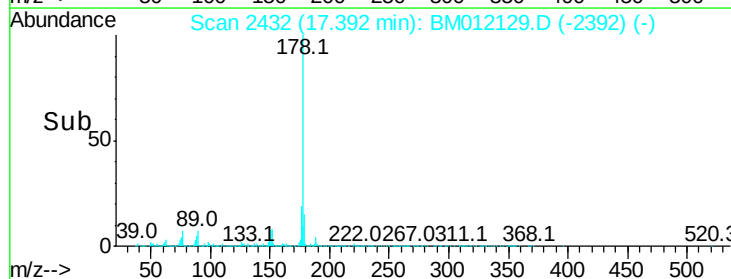
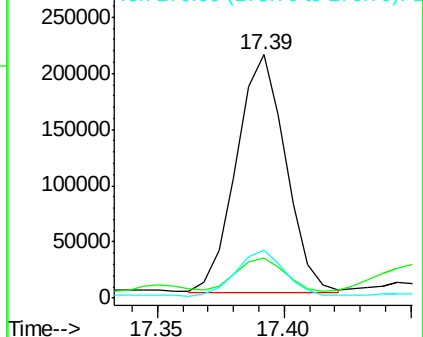
176 19.6 14.6 21.8

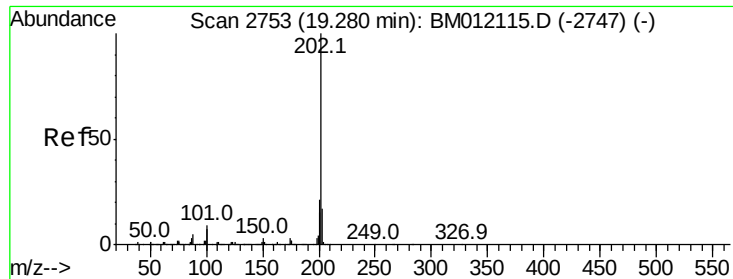


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

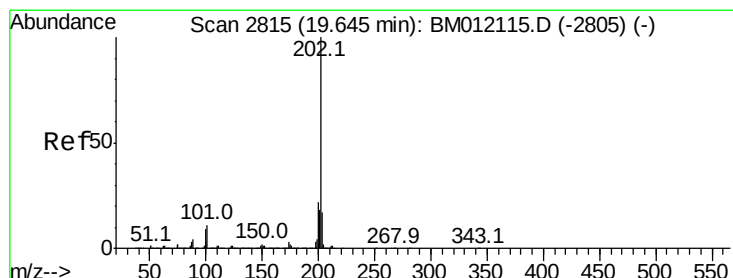
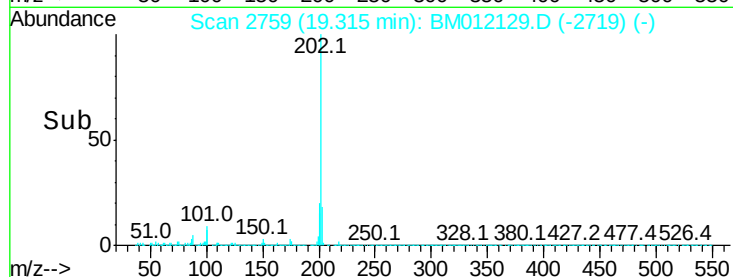
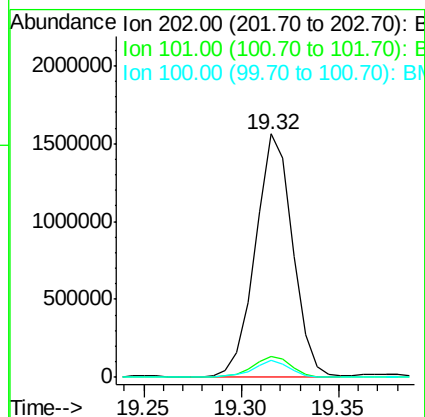
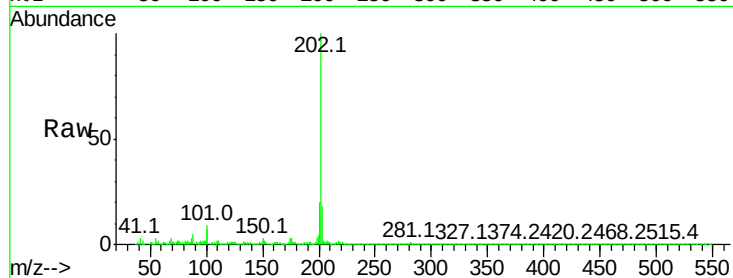




#74
Fluoranthene
Concen: 17.298 ng/ul
RT: 19.32 min Scan# 2759
Delta R.T. 0.04 min
Lab File: BM012129.D
Acq: 13 Oct 2017 09:27

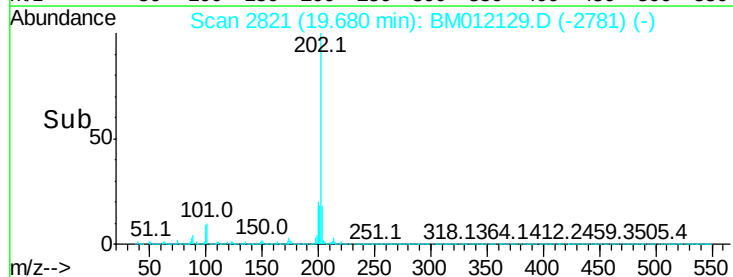
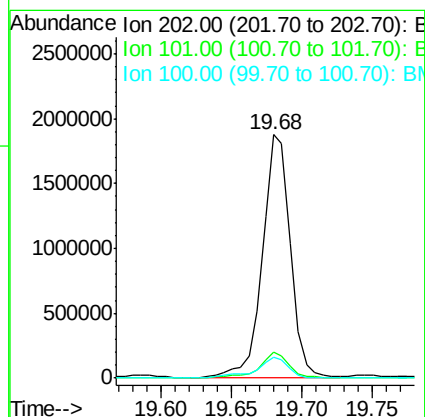
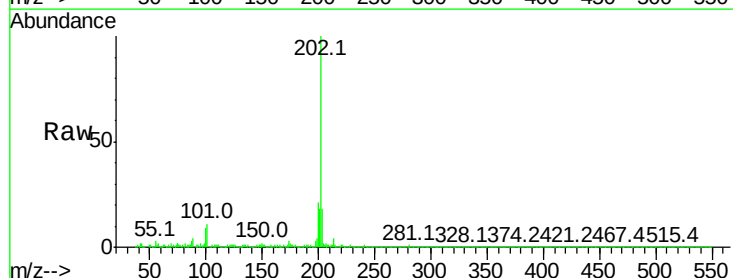
Instrument :
BNA_M
ClientSampleId :

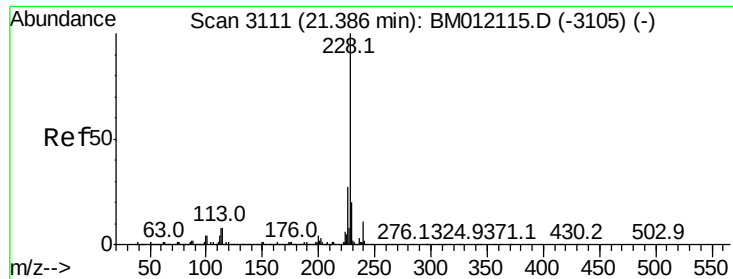
Tot Ion:202 Resp: 2054212
Ion Ratio Lower Upper
202 100
101 8.7 4.6 7.0#
100 6.9 3.4 5.2#



#77
Pyrene
Concen: 22.061 ng/ul
RT: 19.68 min Scan# 2821
Delta R.T. 0.04 min
Lab File: BM012129.D
Acq: 13 Oct 2017 09:27

Tgt Ion:202 Resp: 2585101
Ion Ratio Lower Upper
202 100
101 10.5 5.1 7.7#
100 8.8 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 11.549 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. 0.04 min

Lab File: BM012129.D

Acq: 13 Oct 2017 09:27

Instrument :

BNA_M

ClientSampleId :

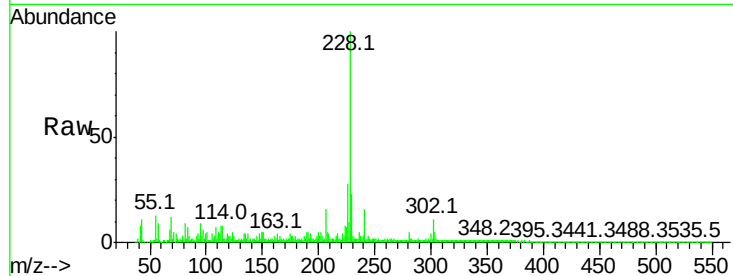
Tot Ion:228 Resp: 1333420

Ion Ratio Lower Upper

228 100

229 22.8 15.4 23.0

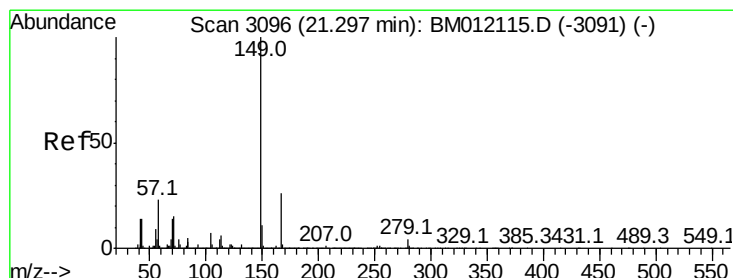
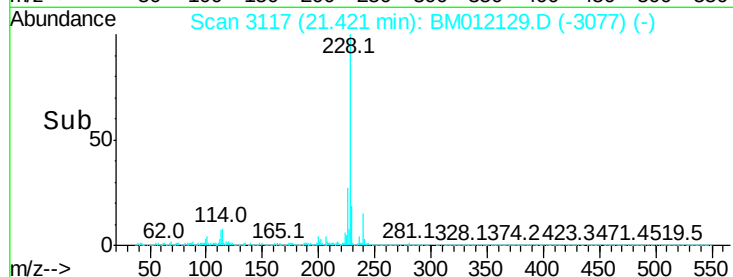
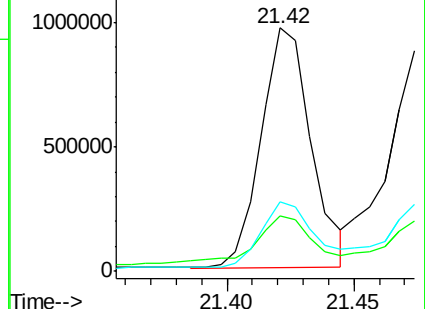
226 28.3 21.4 32.0



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: 1.389 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.02 min

Lab File: BM012129.D

Acq: 13 Oct 2017 09:27

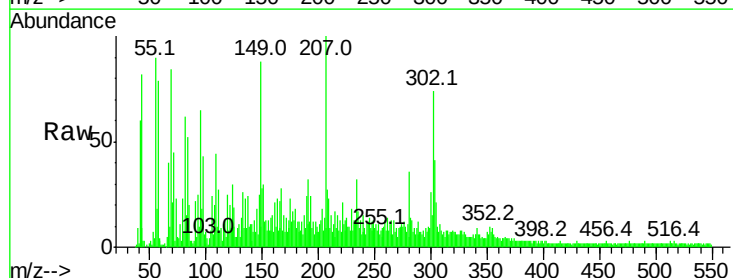
Tgt Ion:149 Resp: 108712

Ion Ratio Lower Upper

149 100

167 31.2 22.8 34.2

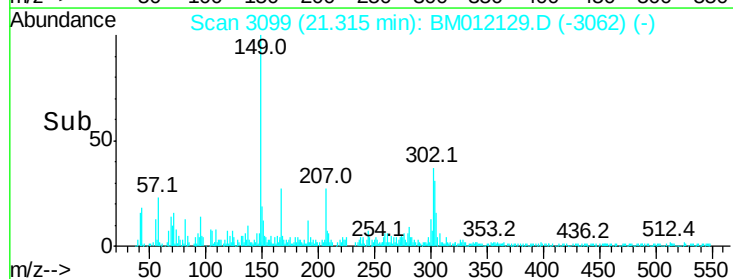
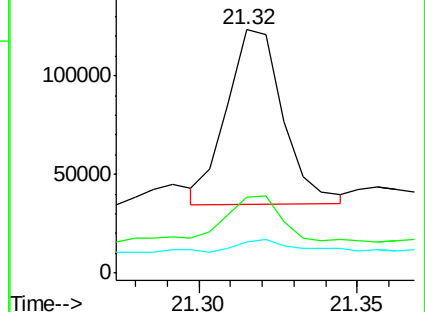
279 12.5 4.9 7.3#

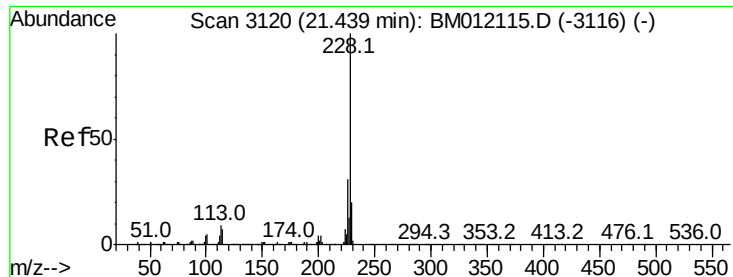


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 11.271 ng/ul

RT: 21.47 min Scan# 3126

Delta R.T. 0.04 min

Lab File: BM012129.D

Acq: 13 Oct 2017 09:27

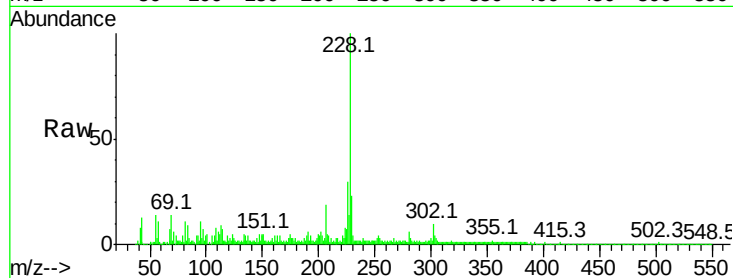
Instrument :

BNA_M

ClientSampled :

Tot Ion:228 Resp: 1221772

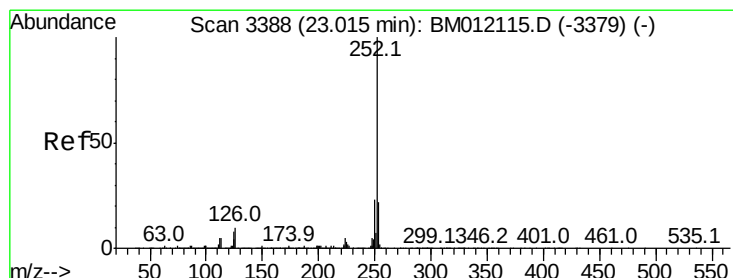
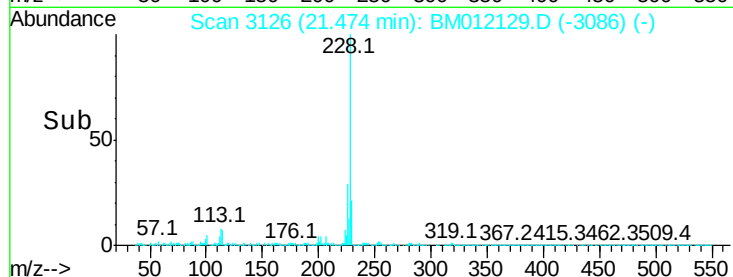
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.2
229	23.0	15.5	23.3



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: 11.601 ng/ul

RT: 23.07 min Scan# 3398

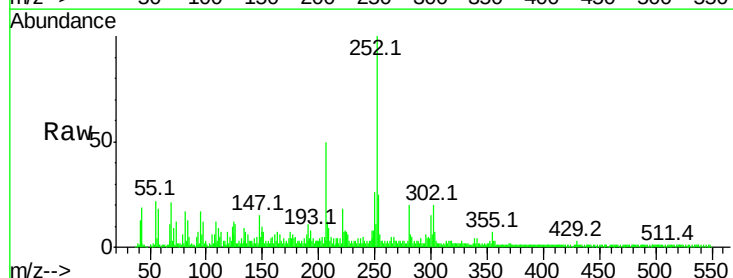
Delta R.T. 0.06 min

Lab File: BM012129.D

Acq: 13 Oct 2017 09:27

Tgt Ion:252 Resp: 1342049

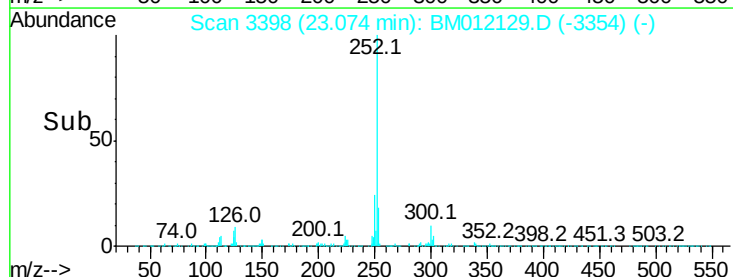
Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	12.1	3.6	5.4

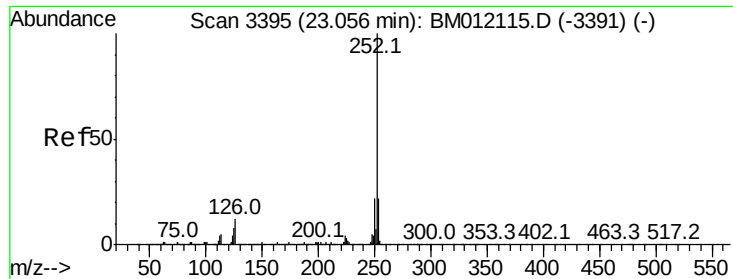


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 12.038 ng/ul

RT: 23.07 min Scan# 3398

Delta R.T. 0.02 min

Lab File: BM012129.D

Acq: 13 Oct 2017 09:27

Instrument :

BNA_M

ClientSampleId :

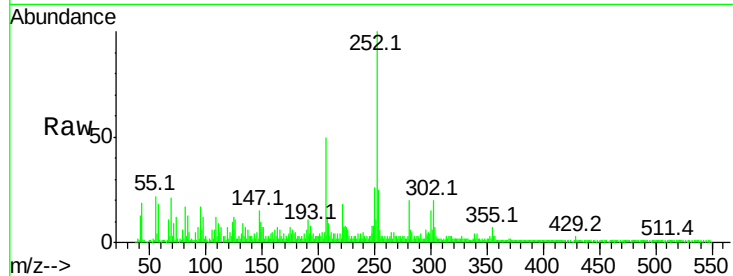
Tot Ion:252 Resp: 1342049

Ion Ratio Lower Upper

252 100

253 25.3 17.1 25.7

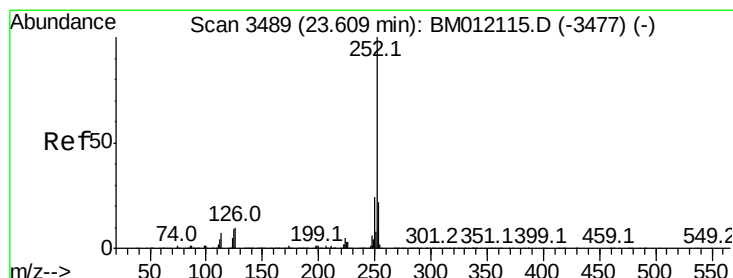
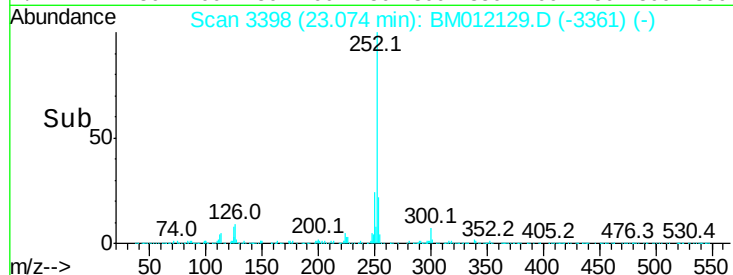
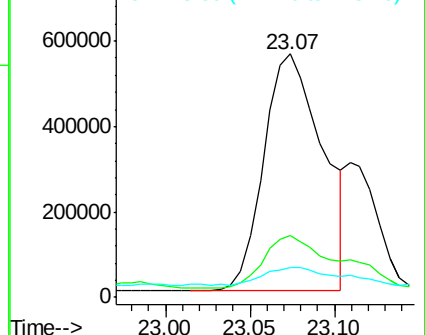
125 12.1 3.4 5.2#



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



#88

Benzo(a)pyrene

Concen: 9.199 ng/ul

RT: 23.68 min Scan# 3501

Delta R.T. 0.07 min

Lab File: BM012129.D

Acq: 13 Oct 2017 09:27

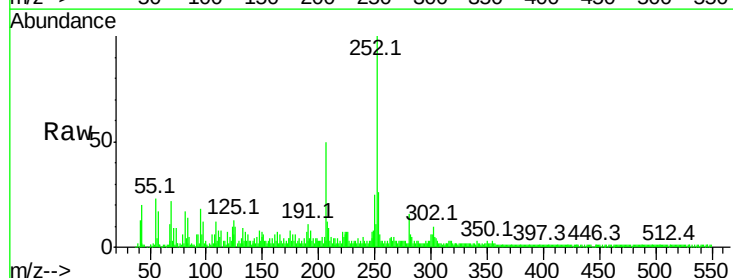
Tgt Ion:252 Resp: 1002994

Ion Ratio Lower Upper

252 100

253 25.6 18.2 27.2

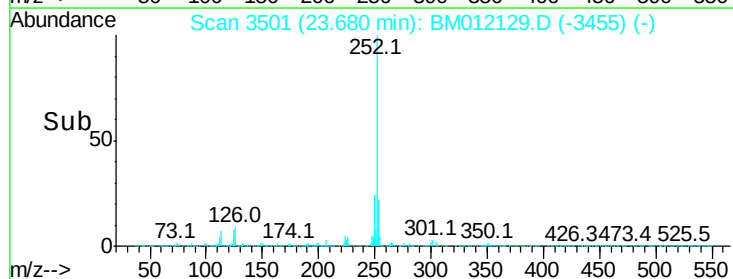
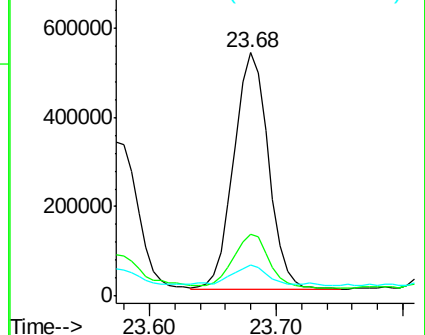
125 12.8 4.0 6.0#

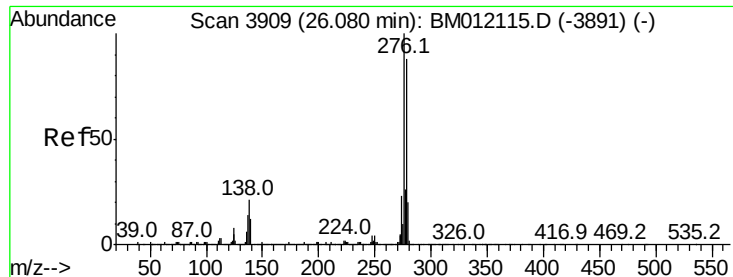


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



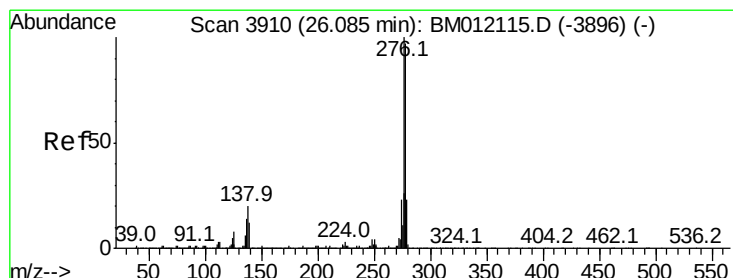
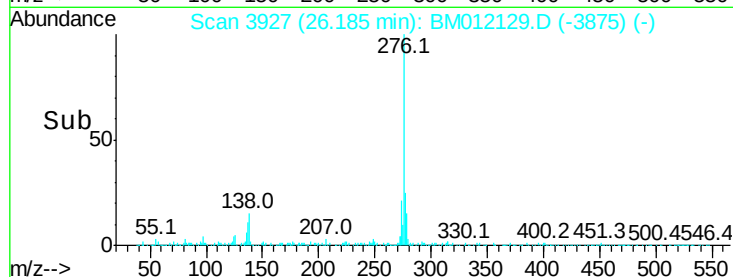
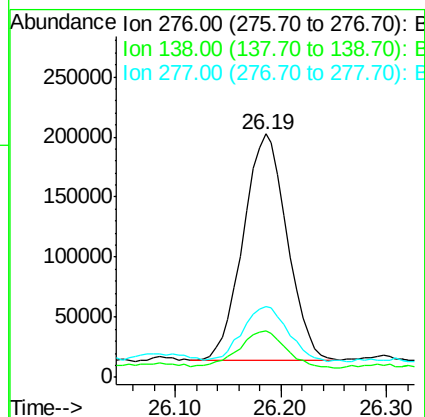
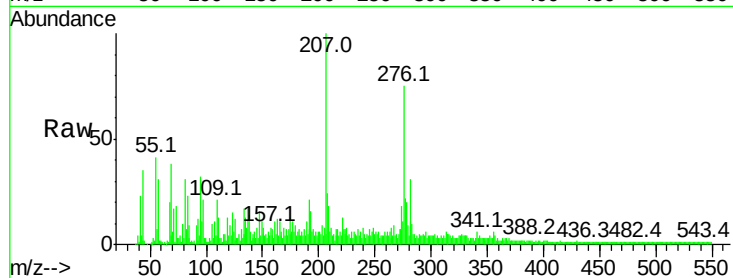


#89

Indeno(1,2,3-cd)pyrene
Concen: 4.717 ng/ul
RT: 26.19 min Scan# 3927
Delta R.T. 0.11 min
Lab File: BM012129.D
Acq: 13 Oct 2017 09:27

Instrument :
BNA_M
ClientSampled :

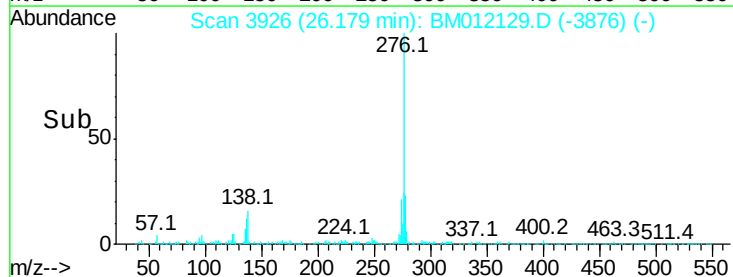
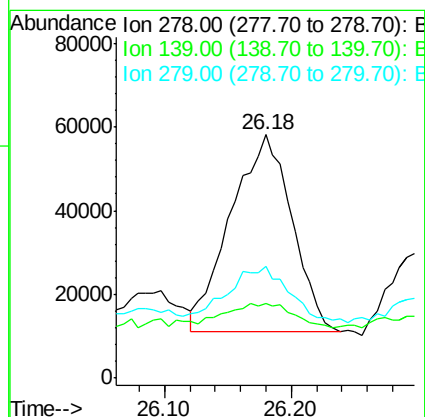
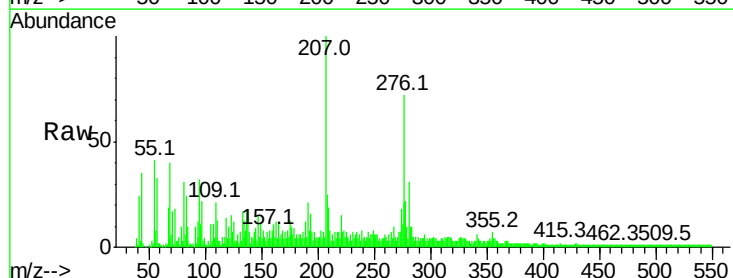
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.9	9.3	13.9#
277	29.2	19.9	29.9

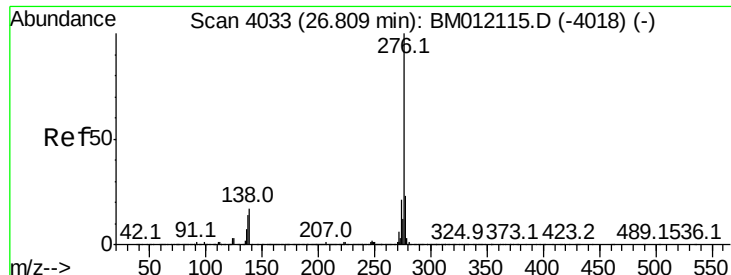


#90

Dibenzo(a,h)anthracene
Concen: 1.617 ng/ul
RT: 26.18 min Scan# 3926
Delta R.T. 0.09 min
Lab File: BM012129.D
Acq: 13 Oct 2017 09:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.7	5.8	8.8#
279	46.1	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 4.996 ng/ul

RT: 26.93 min Scan# 4054

Delta R.T. 0.12 min

Lab File: BM012129.D

Acq: 13 Oct 2017 09:27

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 276 Resp: 473751

Ion Ratio Lower Upper

276 100

138 19.0 8.5 12.7#

277 30.7 18.6 28.0#

