

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
 Data File : BM011673.D
 Acq On : 22 Sep 2017 02:54
 Operator : SJ/JU
 Sample : I5283-19
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 CB3C2

Manual Integrations
 APPROVED

Sohil
 9/22/2017 4:06:31 PM

Quant Time: Sep 22 09:03:09 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 22 08:34:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	546635	20.00	ng/ul	0.00
18) Naphthalene-d8	10.76	136	2478198	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	1388938	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	2931386	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	2280659	20.00	ng/ul	0.00
86) Perylene-d12	23.87	264	1861915	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	43236	3.56	ng/uL	0.00
5) Phenol-d5	7.11	99	1142718	21.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.28	67	863436	24.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	917373	23.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.66	113	882514	21.54	ng/ul	0.00
19) Nitrobenzene-d5	9.12	128	466182	24.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	508229	25.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	898716	22.83	ng/ul	0.00
29) 4-Chloroaniline-d4	10.90	131	318990	7.34	ng/ul	0.00
44) Dimethylphthalate-d6	13.99	166	2842534	24.21	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	3441980	24.24	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	281039	12.74	ng/ul	0.00
58) Fluorene-d10	15.58	176	2442526	24.01	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.69	200	288822	16.93	ng/ul	0.00
71) Anthracene-d10	17.43	188	3512950	24.34	ng/ul	0.00
79) Pyrene-d10	19.72	212	3696462	34.61	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.72	264	2231922	25.15	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	7.13	94	75061	1.441 ng/ul#	83
28) Naphthalene	10.82	128	203697	1.585 ng/ul	99
34) 2-Methylnaphthalene	12.42	142	98756	1.035 ng/ul	98
45) Dimethylphthalate	14.04	163	698825	6.216 ng/ul#	99
50) Acenaphthene	14.66	153	112887	1.169 ng/ul	97
59) Fluorene	15.63	166	121809	1.076 ng/ul	97
70) Phenanthrene	17.37	178	2346264	14.360 ng/ul	99
72) Anthracene	17.46	178	479740	2.861 ng/ul	98
75) Carbazole	17.73	167	201686	1.410 ng/ul#	95
77) Fluoranthene	19.38	202	3765493	22.406 ng/ul#	92
80) Pyrene	19.74	202	3359196	25.245 ng/ul#	88
83) Benzo(a)anthracene	21.48	228	1511064	12.033 ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.39	149	122719	1.306 ng/ul#	94
85) Chrysene	21.53	228	1418827	12.463 ng/ul	99
88) Benzo(b)fluoranthene	23.14	252	1694535	15.128 ng/ul#	92
89) Benzo(k)fluoranthene	23.19	252	464008m	4.313 ng/ul	
91) Benzo(a)pyrene	23.76	252	1095778	10.364 ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	26.29	276	740675	6.369 ng/ul#	91
93) Dibenzo(a,h)anthracene	26.29	278	196832	1.996 ng/ul#	83
94) Benzo(g,h,i)perylene	27.04	276	750693	7.970 ng/ul#	90

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

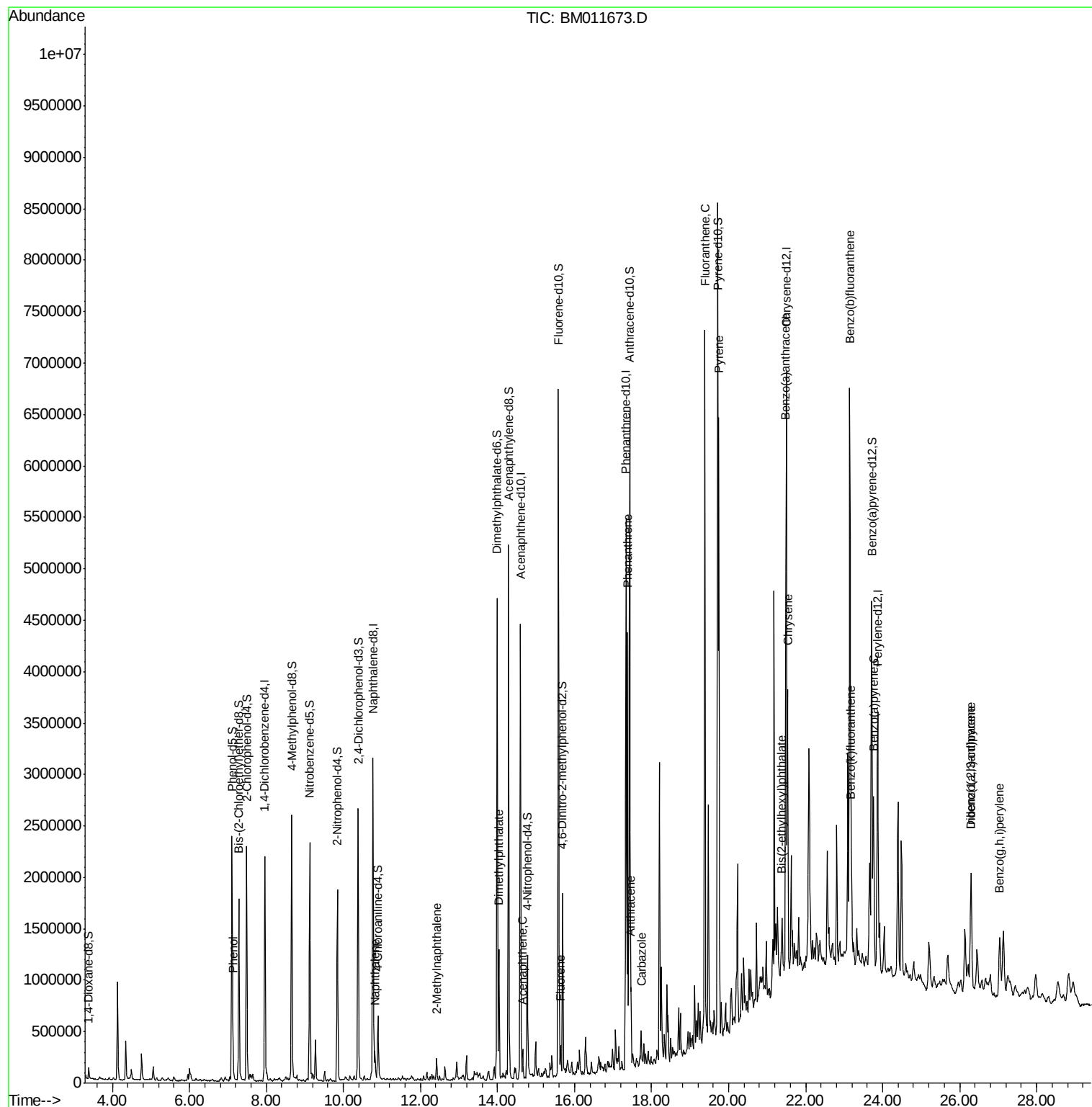
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
Data File : BM011673.D
Acq On : 22 Sep 2017 02:54
Operator : SJ/JU
Sample : I5283-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

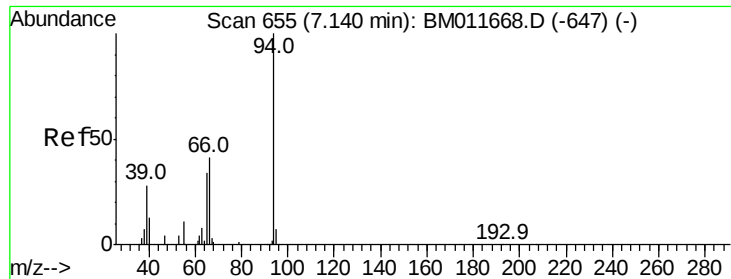
Instrument :
BNA_M
ClientSampled :
CB3C2

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Quant Time: Sep 22 09:03:09 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION
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#6

Phenol

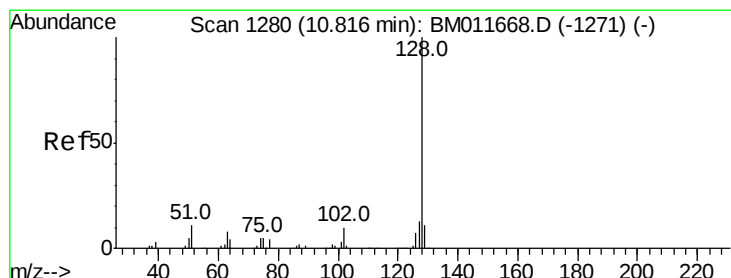
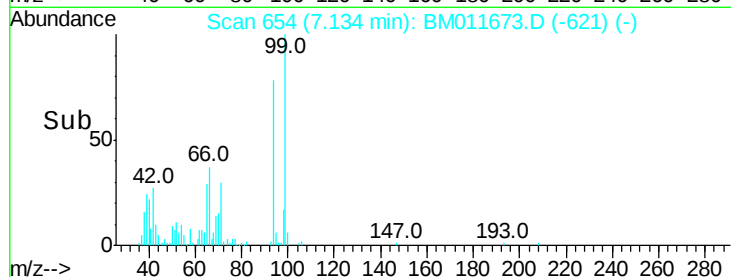
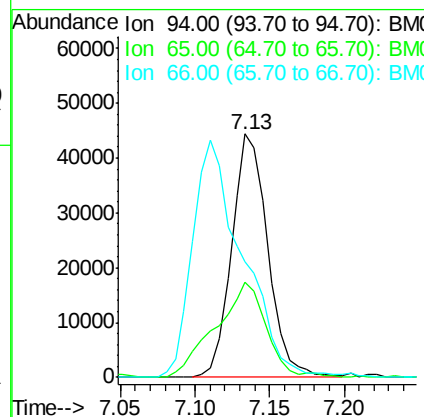
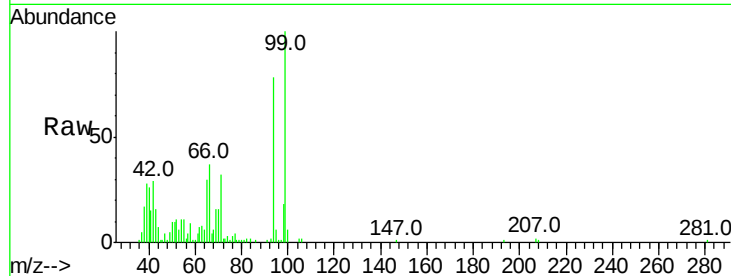
Concen: 1.441 ng/ul
 RT: 7.13 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BM011673.D
 Acq: 22 Sep 2017 02:54

Instrument :
 BNA_M
 ClientSampled :
 CB3C2

Tot Ion	Ratio	Lower	Upper
94	100		
65	39.2	23.0	34.6#
66	47.3	30.4	45.6#

Manual Integrations
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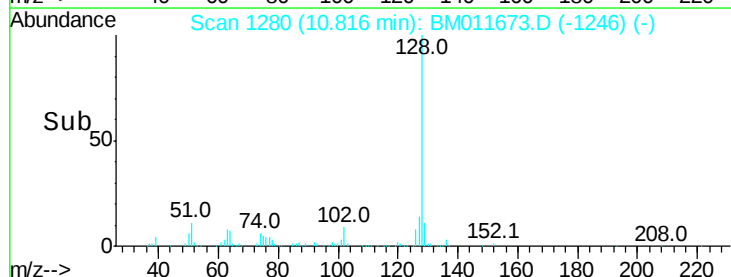
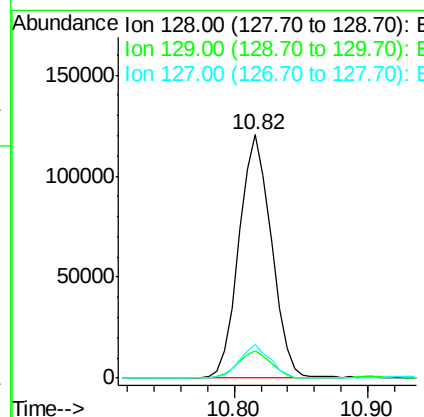
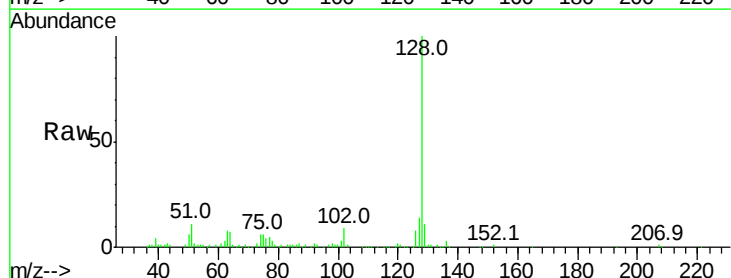


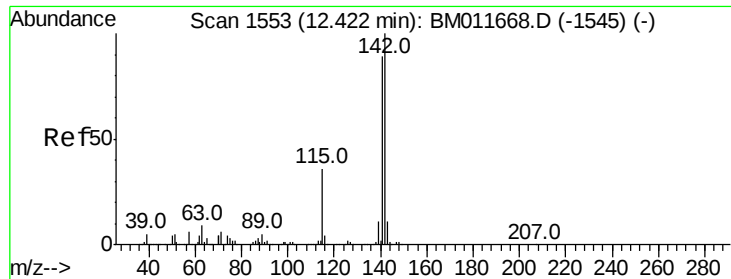
#28

Naphthalene

Concen: 1.585 ng/ul
 RT: 10.82 min Scan# 1280
 Delta R.T. 0.00 min
 Lab File: BM011673.D
 Acq: 22 Sep 2017 02:54

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.3	12.5
127	13.6	10.8	16.2





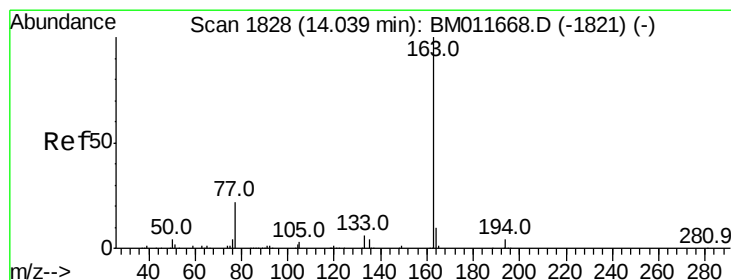
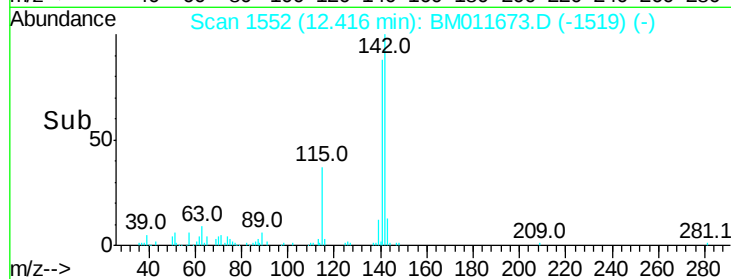
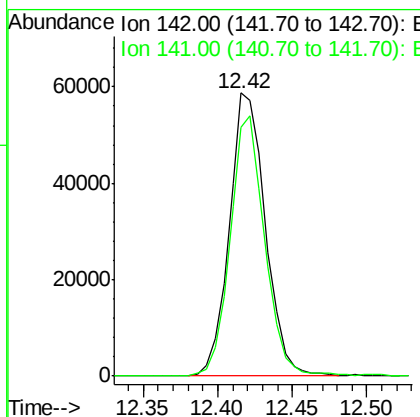
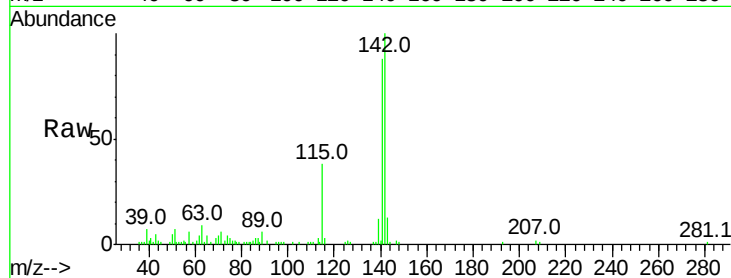
#34
 2-Methylnaphthalene
 Concen: 1.035 ng/ul
 RT: 12.42 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BM011673.D
 Acq: 22 Sep 2017 02:54

Instrument :
 BNA_M
 ClientSampleId :
 CB3C2

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.4	107.2

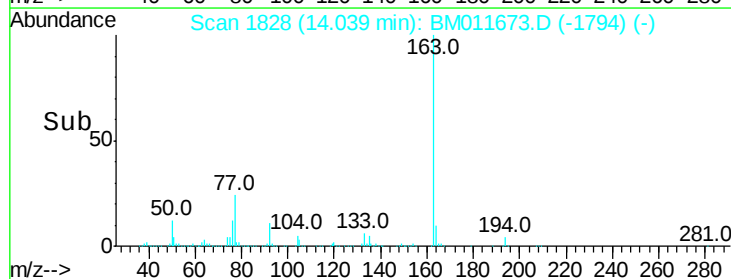
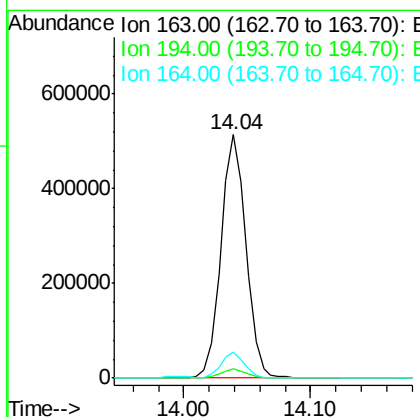
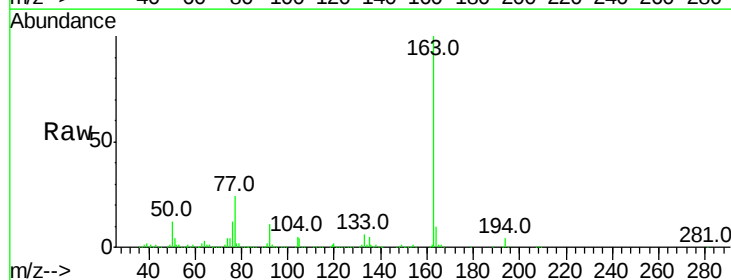
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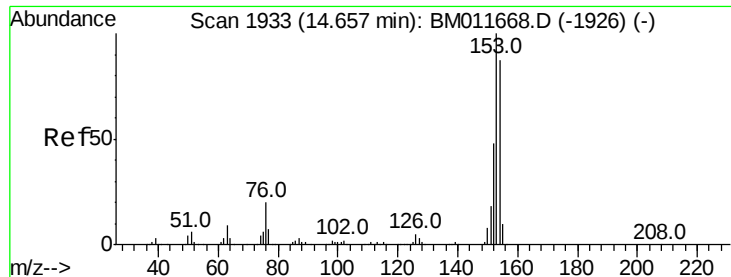
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#45
 Dimethylphthalate
 Concen: 6.216 ng/ul
 RT: 14.04 min Scan# 1828
 Delta R.T. 0.00 min
 Lab File: BM011673.D
 Acq: 22 Sep 2017 02:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	4.0	6.0#
164	10.5	8.4	12.6





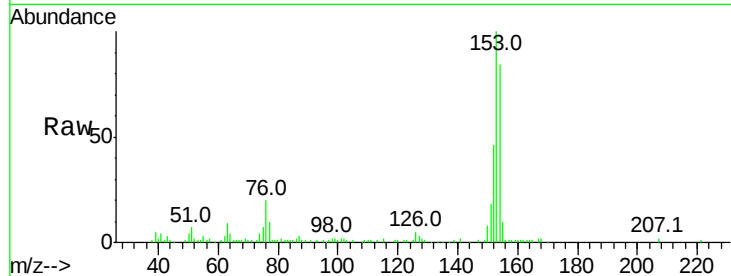
#50
Acenaphthene
Concen: 1.169 ng/ul
RT: 14.66 min Scan# 1933
Delta R.T. 0.00 min
Lab File: BM011673.D
Acq: 22 Sep 2017 02:54

Instrument :
BNA_M
ClientSampled :
CB3C2

Tot Ion	Ratio	Lower	Upper
153	100		
152	45.7	37.9	56.9
154	84.4	69.8	104.6

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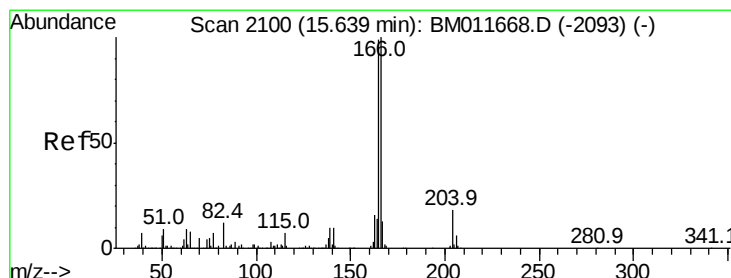
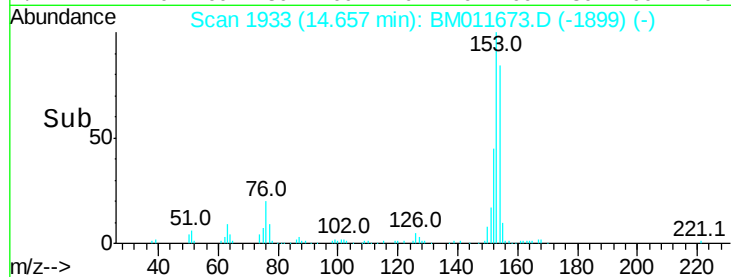
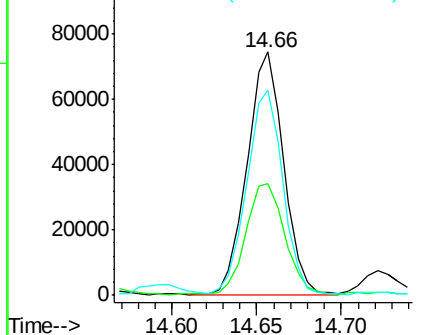


Abundance

Ion 153.00 (152.70 to 153.70): E

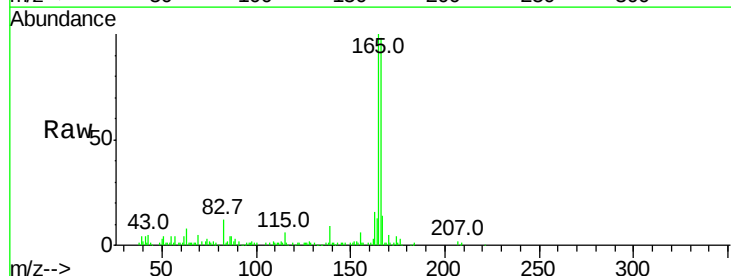
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#59
Fluorene
Concen: 1.076 ng/ul
RT: 15.63 min Scan# 2099
Delta R.T. -0.01 min
Lab File: BM011673.D
Acq: 22 Sep 2017 02:54

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.8	78.4	117.6
167	13.8	11.1	16.7

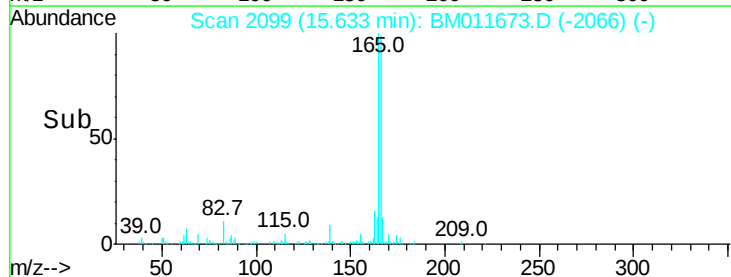
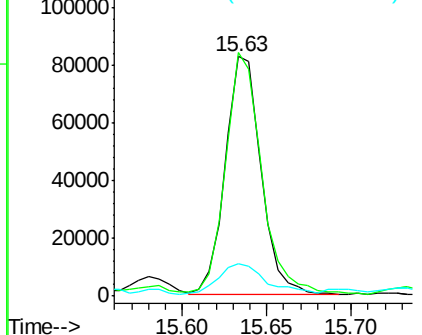


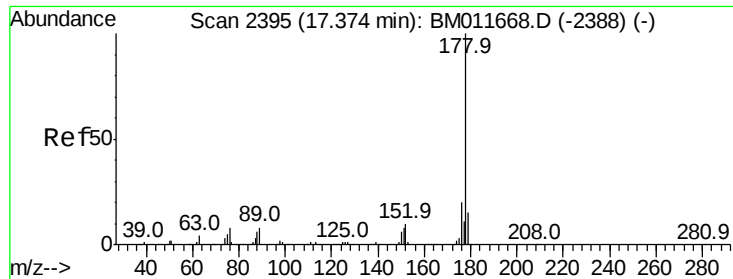
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





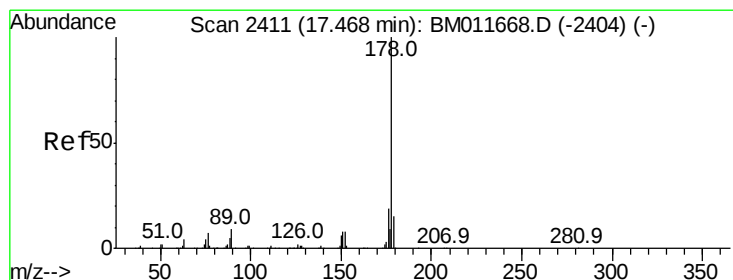
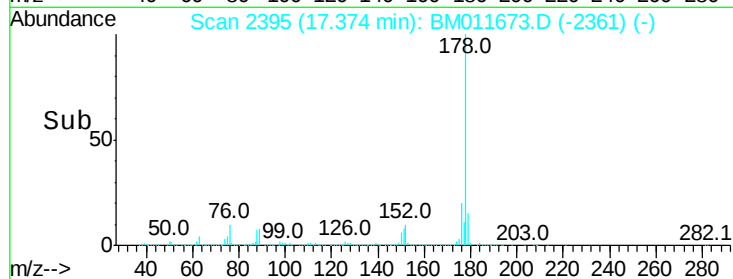
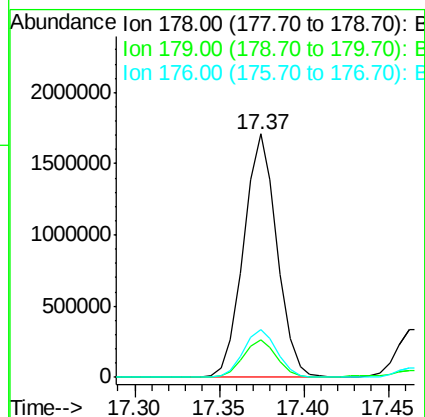
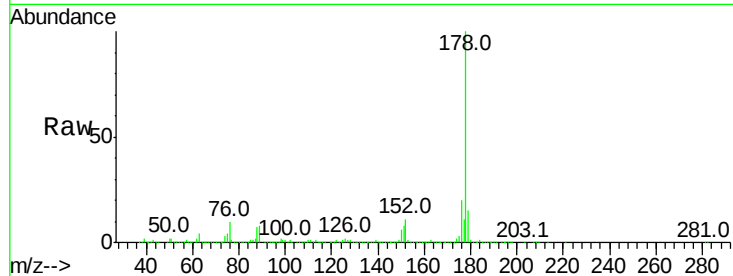
#70
 Phenanthrene
 Concen: 14.360 ng/ul
 RT: 17.37 min Scan# 2395
 Delta R.T. 0.00 min
 Lab File: BM011673.D
 Acq: 22 Sep 2017 02:54

Instrument :
 BNA_M
 ClientSampleId :
 CB3C2

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	19.9	15.4	23.0

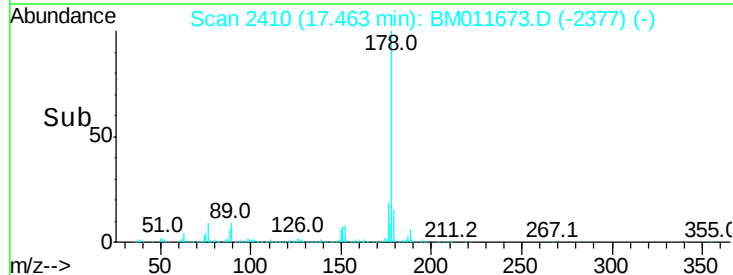
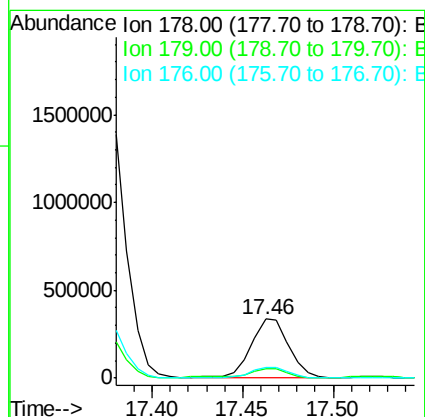
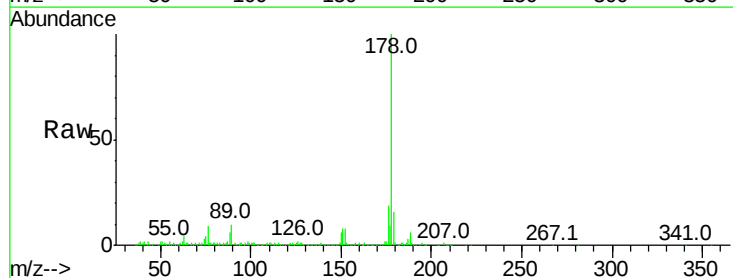
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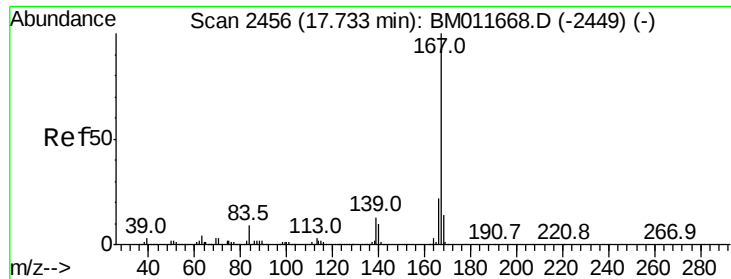
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#72
 Anthracene
 Concen: 2.861 ng/ul
 RT: 17.46 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BM011673.D
 Acq: 22 Sep 2017 02:54

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	13.4	20.2
176	18.9	15.4	23.0





#75

Carbazole

Concen: 1.410 ng/ul

RT: 17.73 min Scan# 2456

Delta R.T. 0.00 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

Instrument :

BNA_M

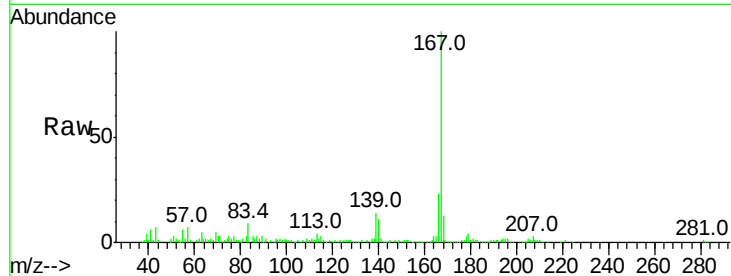
ClientSampleId :

CB3C2

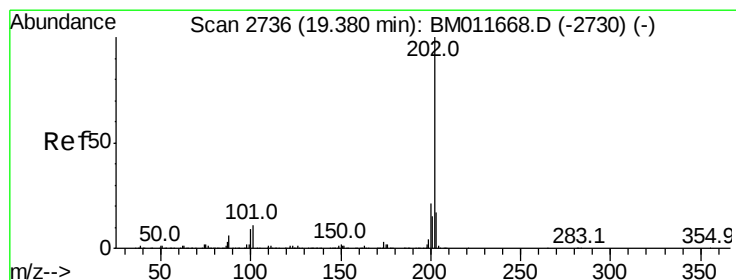
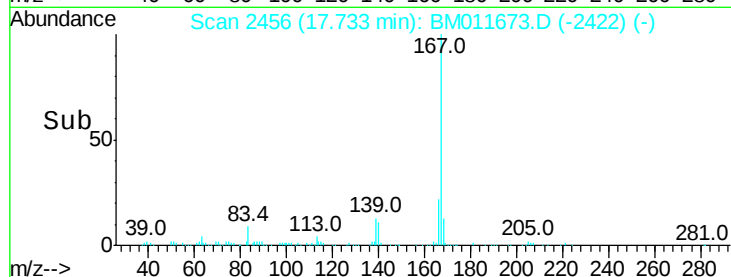
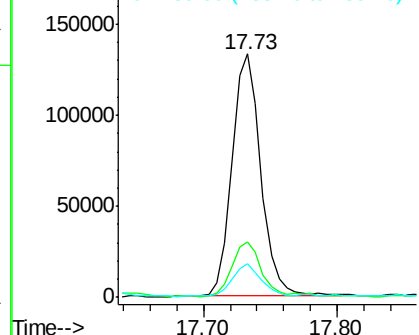
Tot Ion:	167	Resp:	201686
Ion Ratio	Lower	Upper	
167	100		
166	22.8	17.0	25.4
139	14.0	9.1	13.7#

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 22.406 ng/ul

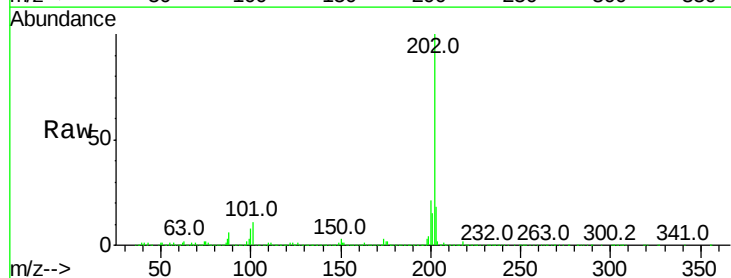
RT: 19.38 min Scan# 2736

Delta R.T. 0.00 min

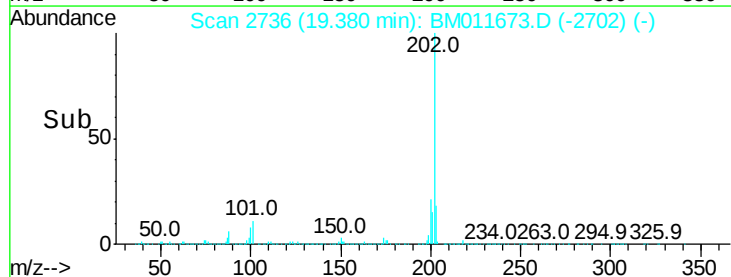
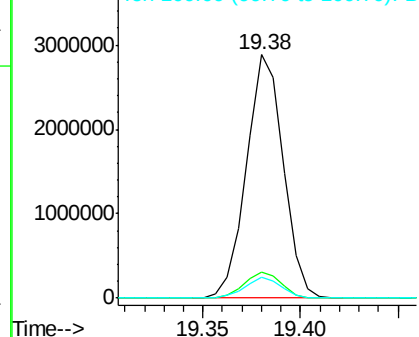
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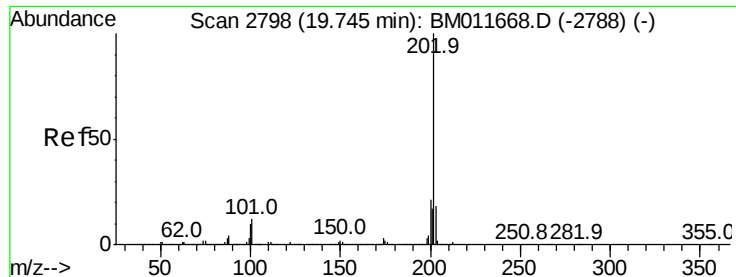
Acq: 22 Sep 2017 02:54

Tgt Ion:	202	Resp:	3765493
Ion Ratio	Lower	Upper	
202	100		
101	10.7	6.1	9.1#
100	8.4	4.6	7.0#



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

Pvrene

Concen: 25.245 ng/ul

RT: 19.74 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

Instrument :

BNA_M

ClientSampleId :

CB3C2

Tot Ion:202 Resp: 3359196

Ion Ratio Lower Upper

202 100

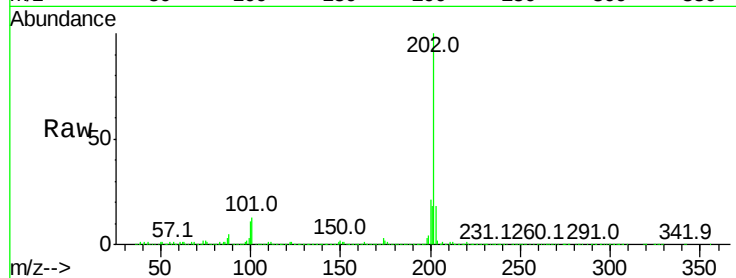
101 13.2 6.9 10.3#

100 10.5 5.6 8.4#

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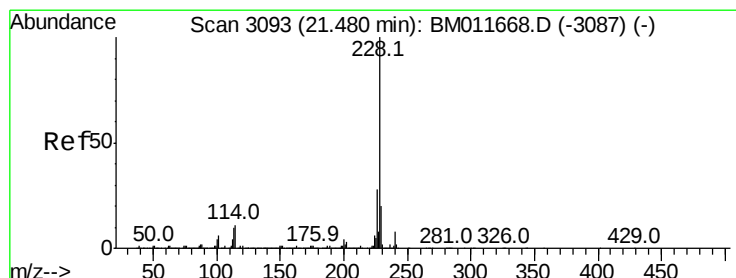
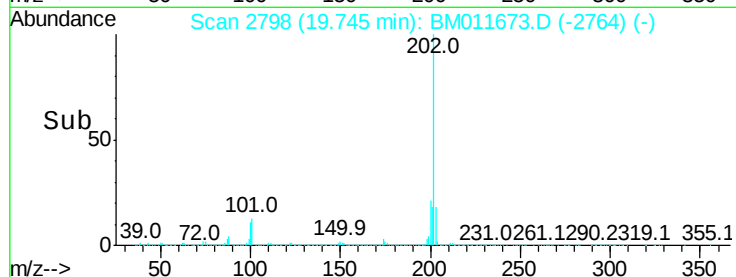
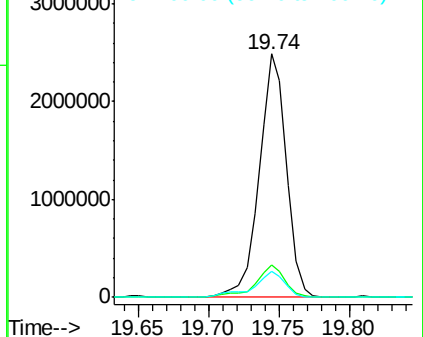
9/22/2017 4:06:31 PM



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



#83

Benzo(a)anthracene

Concen: 12.033 ng/ul

RT: 21.48 min Scan# 3093

Delta R.T. 0.00 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

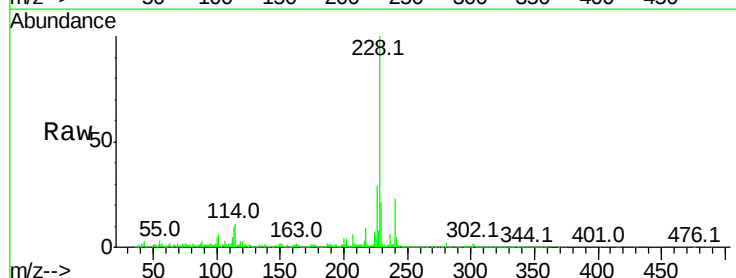
Tgt Ion:228 Resp: 1511064

Ion Ratio Lower Upper

228 100

229 20.9 16.0 24.0

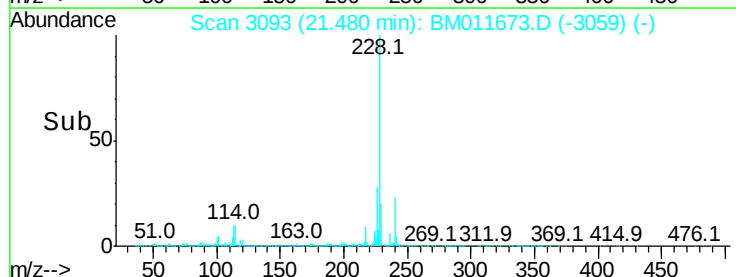
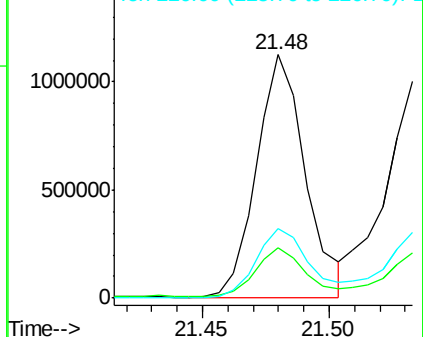
226 28.6 21.8 32.8

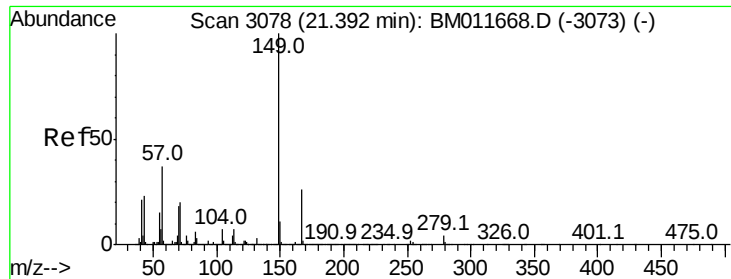


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.306 ng/ul

RT: 21.39 min Scan# 3078

Delta R.T. 0.00 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

Instrument :

BNA_M

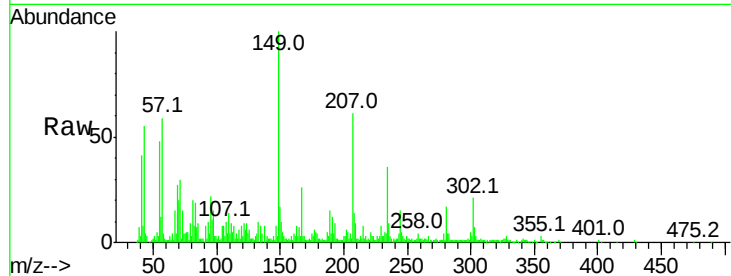
ClientSampled :

CB3C2

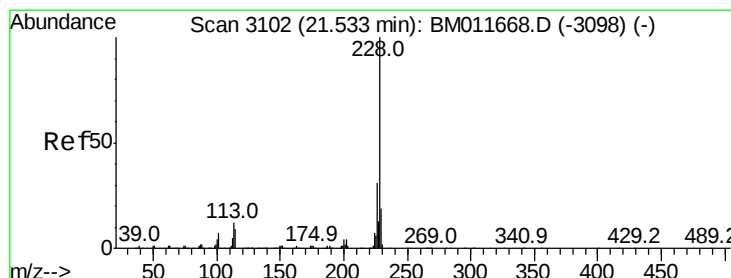
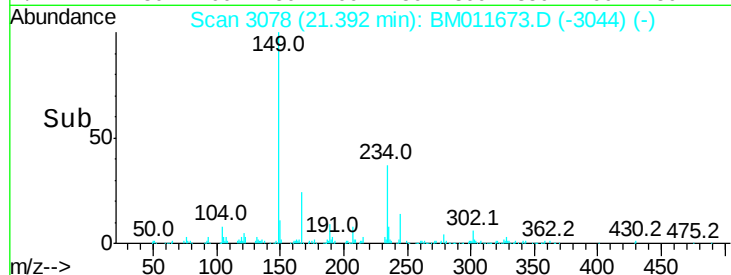
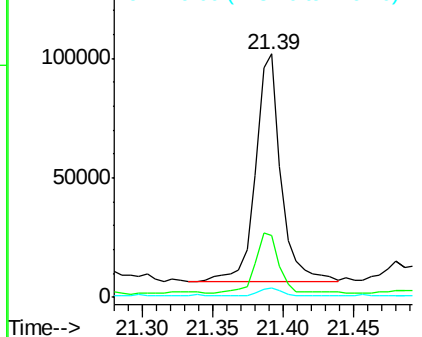
Tot Ion:	149	Resp:	122719
Ion Ratio	Lower	Upper	
149	100		
167	25.5	23.0	34.6
279	3.8	4.3	6.5#

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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



#85

Chrysene

Concen: 12.463 ng/ul

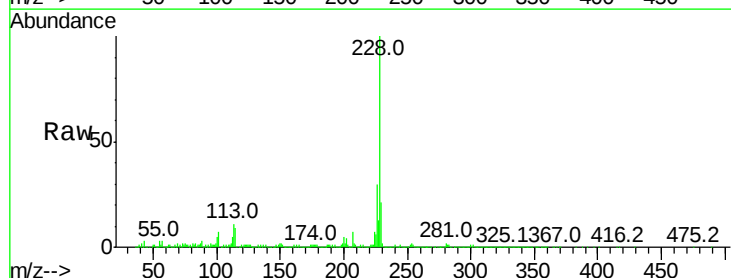
RT: 21.53 min Scan# 3102

Delta R.T. 0.00 min

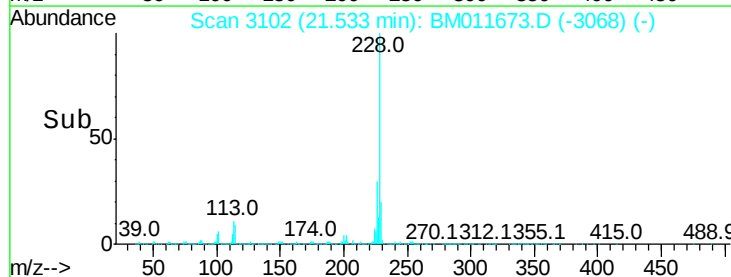
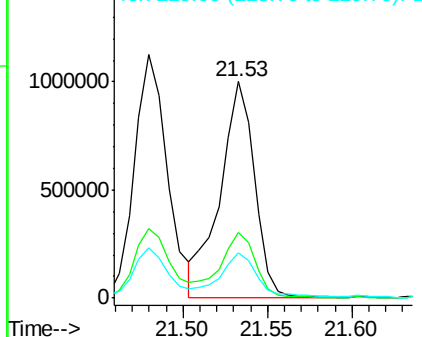
Lab File: BM011673.D

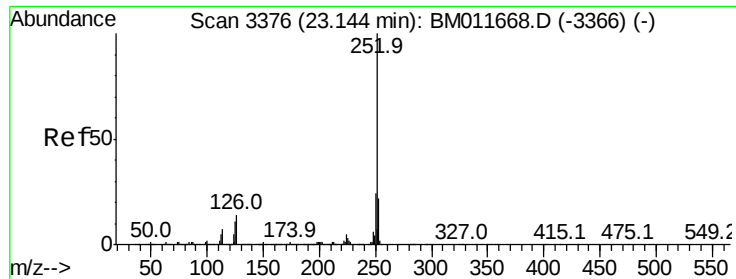
Acq: 22 Sep 2017 02:54

Tgt Ion:	228	Resp:	1418827
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.1	36.1
229	20.7	16.0	24.0



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





#88

Benzo(b)fluoranthene

Concen: 15.128 ng/ul

RT: 23.14 min Scan# 3376

Delta R.T. 0.00 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

Instrument :

BNA_M

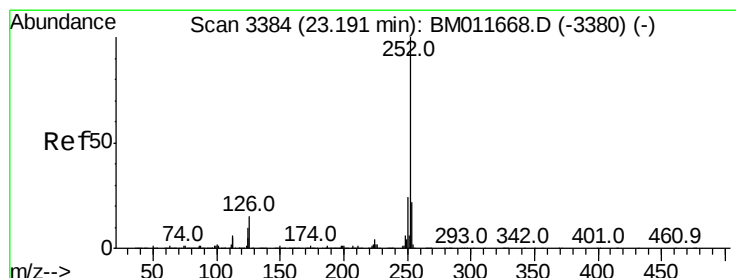
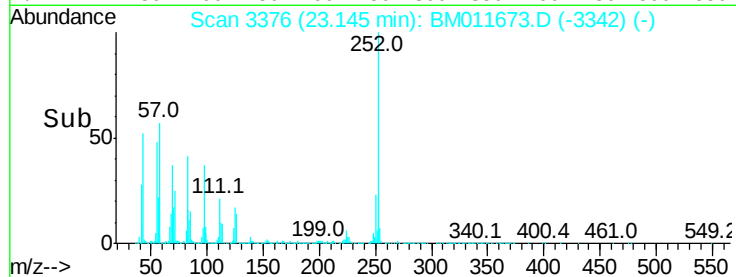
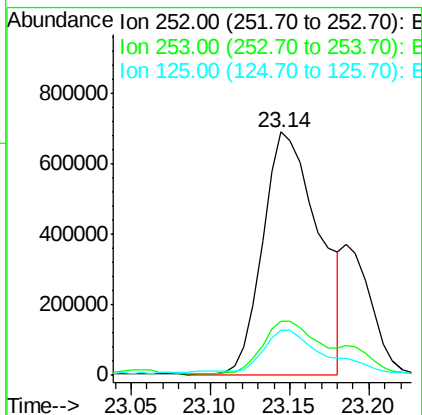
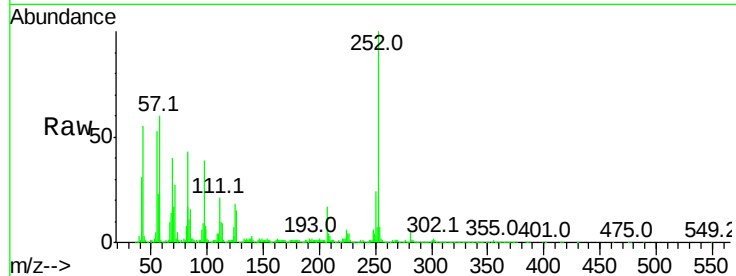
ClientSampled :

CB3C2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	18.3	4.9	7.3#

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#89

Benzo(k)fluoranthene

Concen: 4.313 ng/ul m

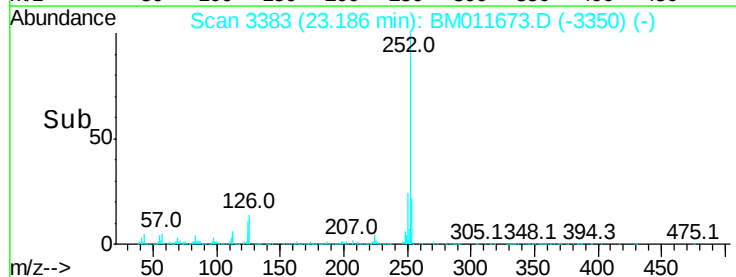
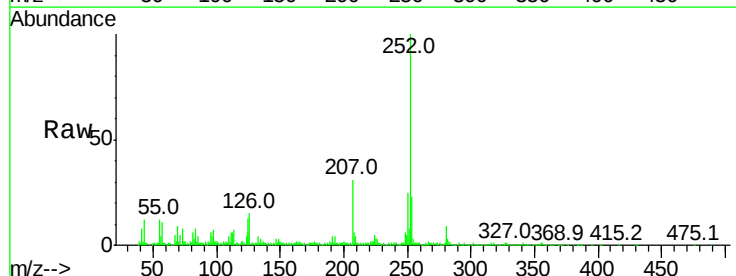
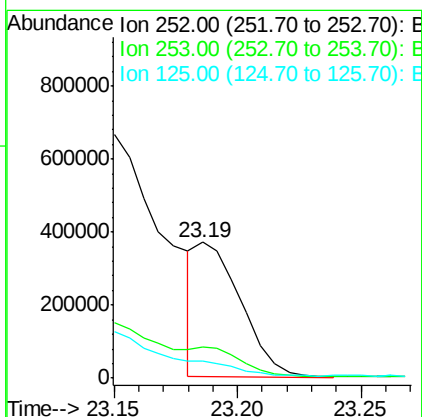
RT: 23.19 min Scan# 3383

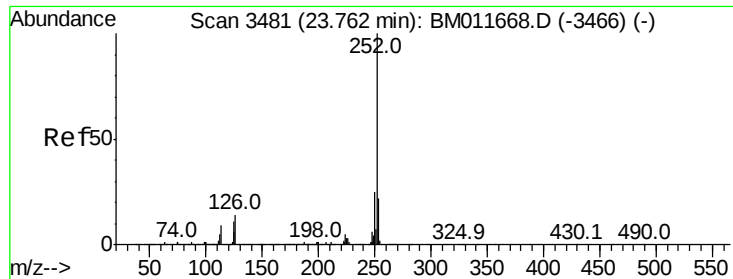
Delta R.T. -0.01 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	12.9	5.4	8.0#





#91

Benzo(a)pyrene

Concen: 10.364 ng/u1

RT: 23.76 min Scan# 3481

Delta R.T. 0.00 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

Instrument :

BNA_M

ClientSampled :

CB3C2

Tot Ion:252 Resp: 1095778

Ion Ratio Lower Upper

252 100

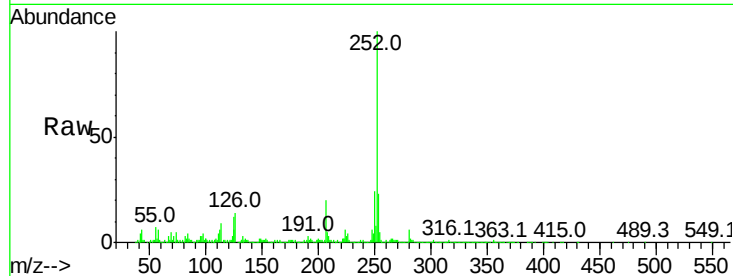
253 22.7 17.2 25.8

125 12.2 5.8 8.6#

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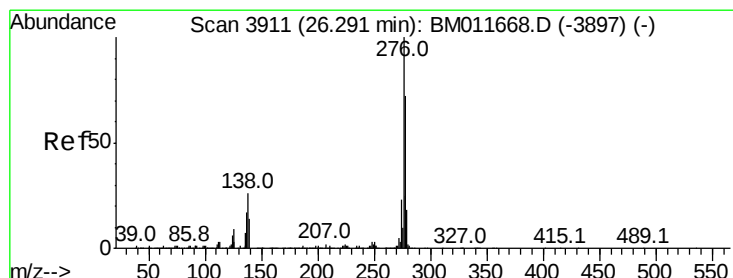
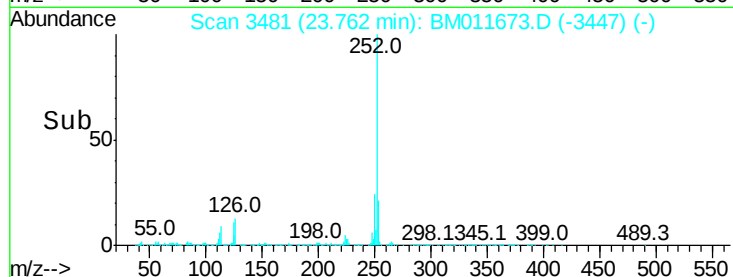
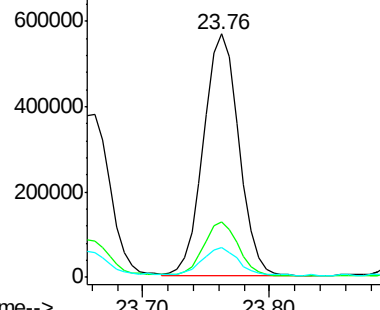
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Indeno(1,2,3-cd)pyrene

Concen: 6.369 ng/u1

RT: 26.29 min Scan# 3910

Delta R.T. -0.01 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

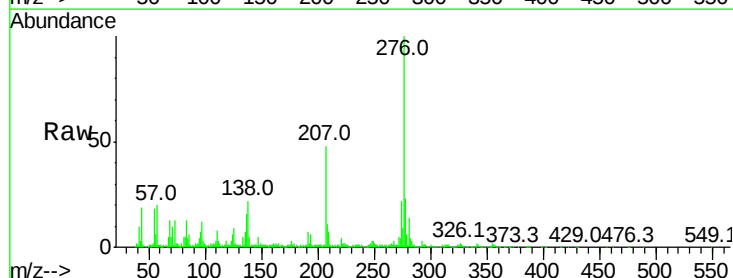
Tgt Ion:276 Resp: 740675

Ion Ratio Lower Upper

276 100

138 22.5 10.9 16.3#

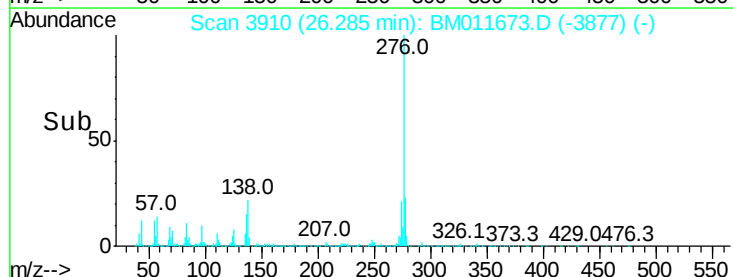
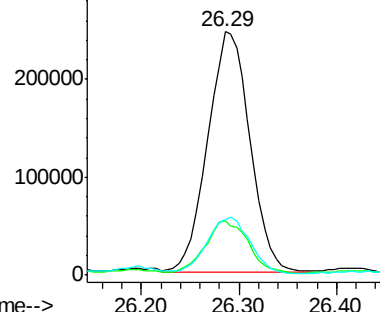
277 22.8 18.9 28.3

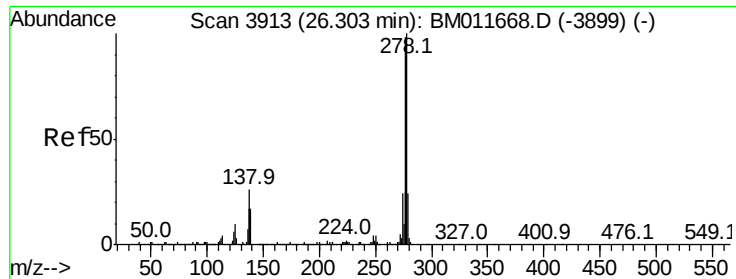


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





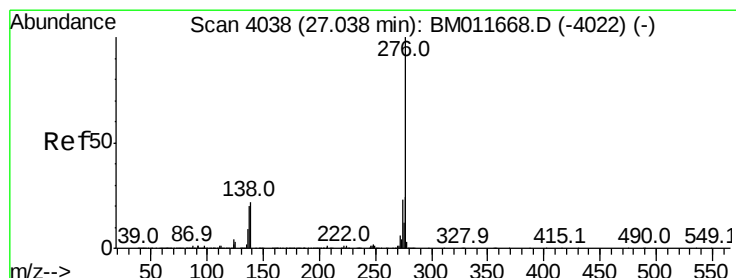
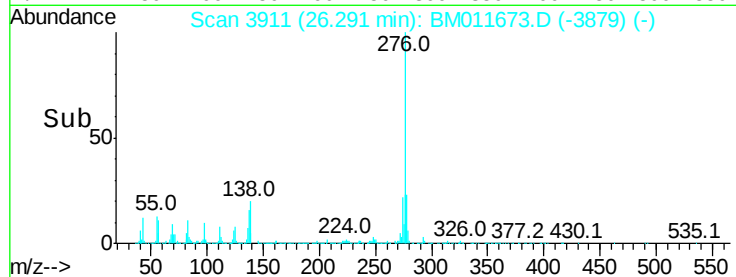
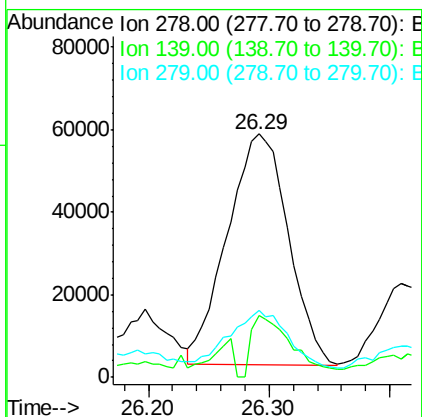
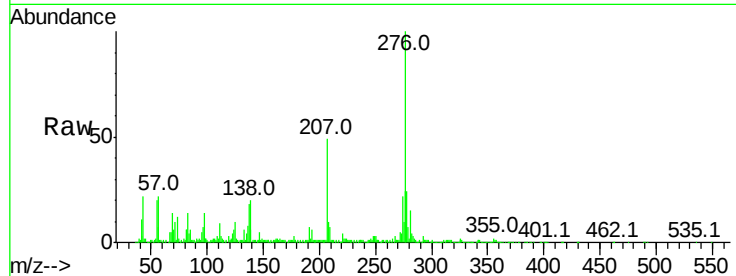
#93
Dibenzo(a,h)anthracene
Concen: 1.996 ng/ul
RT: 26.29 min Scan# 3911
Delta R.T. -0.01 min
Lab File: BM011673.D
Acq: 22 Sep 2017 02:54

Instrument :
BNA_M
ClientSampleId :
CB3C2

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.4	9.0	13.4#
279	27.5	19.1	28.7

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#94
Benzo(g,h,i)perylene
Concen: 7.970 ng/ul
RT: 27.04 min Scan# 4038
Delta R.T. 0.00 min
Lab File: BM011673.D
Acq: 22 Sep 2017 02:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	11.2	16.8#
277	25.0	19.0	28.6

