

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092217\
 Data File : BM011687.D
 Acq On : 22 Sep 2017 11:35
 Operator : SJ/JU
 Sample : I5283-14
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB3B9

Manual Integrations
 APPROVED

Sohil
 9/25/2017 6:23:23 PM

Quant Time: Sep 23 00:08:50 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 22 23:48:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	364501	20.00	ng/ul	0.00
18) Naphthalene-d8	10.77	136	1642750	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	882346	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	1737911	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	1255578	20.00	ng/ul	0.00
86) Perylene-d12	23.87	264	1310499	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	32173m	3.97	ng/uL	0.00
5) Phenol-d5	7.11	99	777053	22.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.28	67	569995	24.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	620120	23.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.66	113	534978	19.58	ng/ul	0.00
19) Nitrobenzene-d5	9.12	128	307027	24.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	332664	25.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	589070	22.57	ng/ul	0.00
29) 4-Chloroaniline-d4	10.90	131	232420	8.07	ng/ul	0.00
44) Dimethylphthalate-d6	13.99	166	1798147	24.11	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	2217784	24.58	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	232993	16.62	ng/ul	0.00
58) Fluorene-d10	15.58	176	1526135	23.62	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.70	200	201966	19.97	ng/ul	0.00
71) Anthracene-d10	17.43	188	2164043	25.29	ng/ul	0.00
79) Pyrene-d10	19.72	212	2146441	36.51	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.72	264	1714297	27.45	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.13	94	52248	1.504	ng/ul#	83
28) Naphthalene	10.82	128	124324	1.459	ng/ul	96
45) Dimethylphthalate	14.04	163	705062	9.872	ng/ul#	98
50) Acenaphthene	14.66	153	95246	1.552	ng/ul	98
54) Dibenzofuran	14.99	168	88833	1.035	ng/ul	97
59) Fluorene	15.64	166	98426	1.369	ng/ul	96
70) Phenanthrene	17.37	178	1646573	16.998	ng/ul	99
72) Anthracene	17.47	178	338828	3.409	ng/ul	98
75) Carbazole	17.73	167	147920	1.744	ng/ul#	94
77) Fluoranthene	19.39	202	2328368	23.369	ng/ul#	93
80) Pyrene	19.74	202	2076876	28.351	ng/ul#	88
83) Benzo(a)anthracene	21.48	228	946377	13.689	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.39	149	104124	2.013	ng/ul#	93
85) Chrysene	21.53	228	923085	14.728	ng/ul	98
88) Benzo(b)fluoranthene	23.15	252	1184296	15.022	ng/ul#	90
89) Benzo(k)fluoranthene	23.19	252	409900m	5.414	ng/ul	
91) Benzo(a)pyrene	23.77	252	846793	11.379	ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	26.30	276	611601	7.471	ng/ul#	91
93) Dibenzo(a,h)anthracene	26.30	278	168155	2.423	ng/ul#	81
94) Benzo(g,h,i)perylene	27.05	276	634198	9.567	ng/ul#	92

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

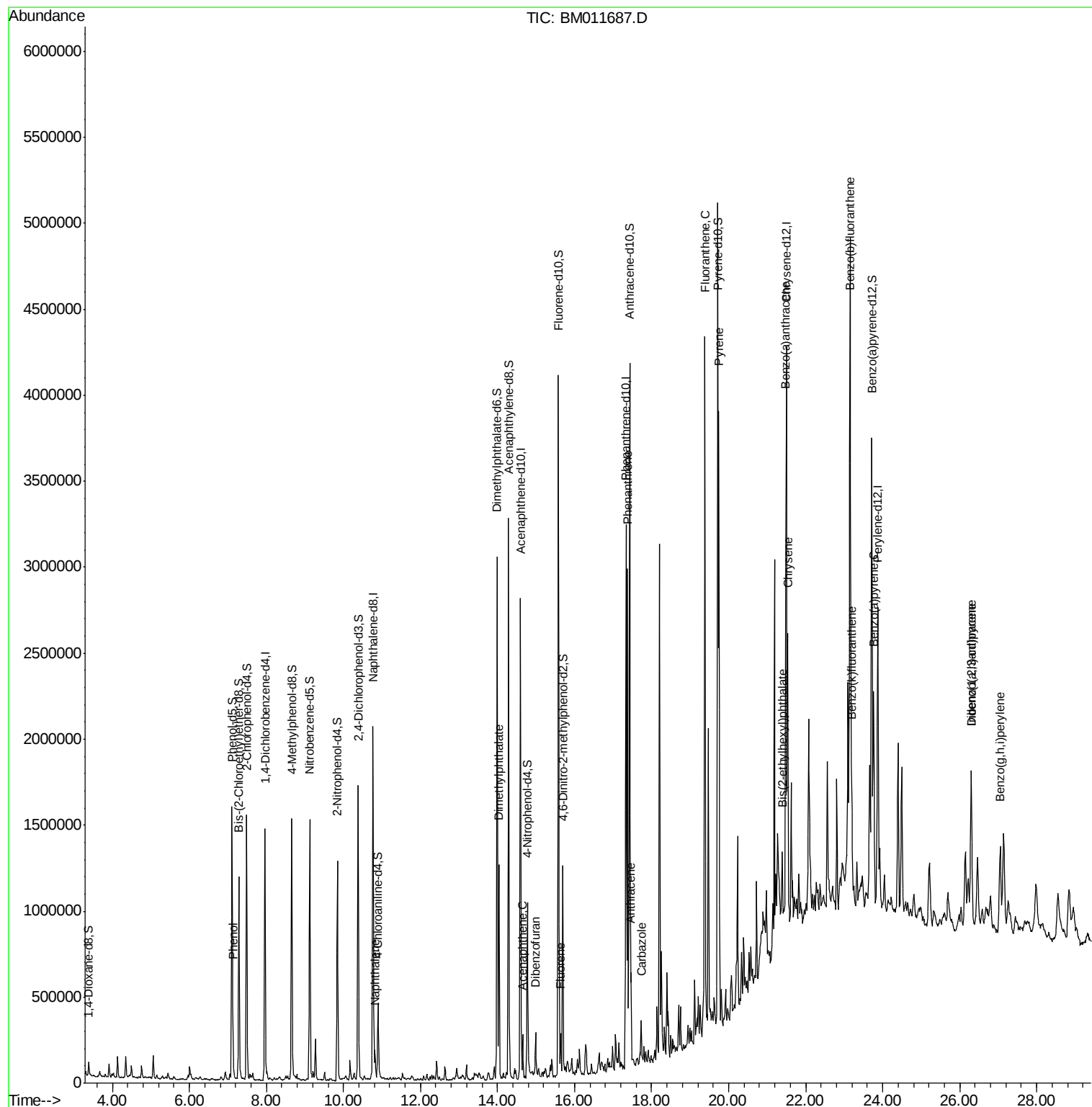
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092217\
Data File : BM011687.D
Acq On : 22 Sep 2017 11:35
Operator : SJ/JU
Sample : I5283-14
Misc :
ALS Vial : 4 Sample Multiplier: 1

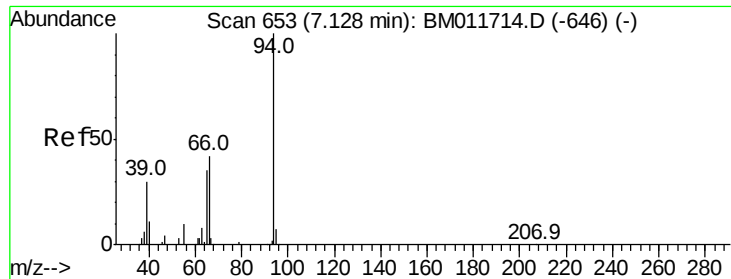
Instrument :
BNA_M
ClientSampled :
CB3B9

Manual Integrations
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Quant Time: Sep 23 00:08:50 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 22 23:48:55 2017
Response via : Initial Calibration





#6

Phenol

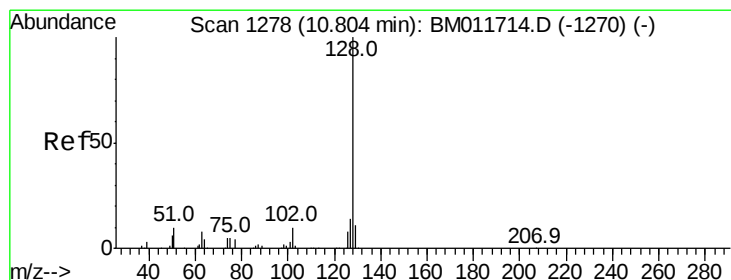
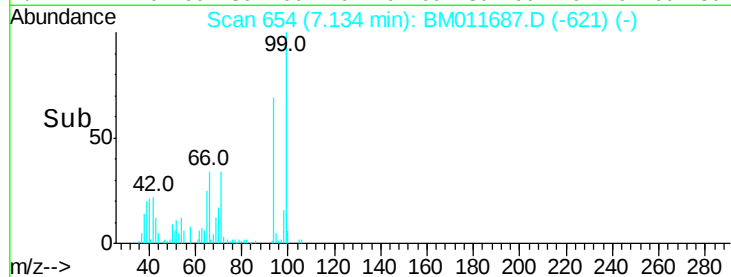
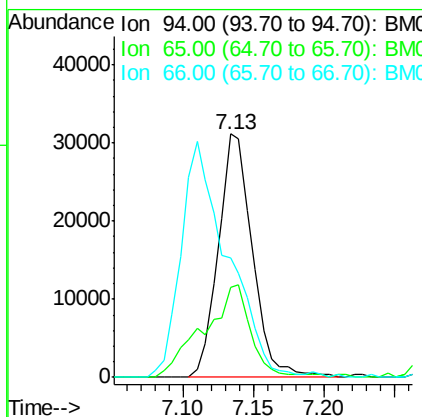
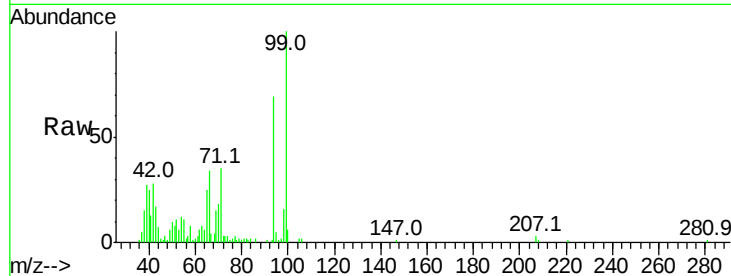
Concen: 1.504 ng/ul
 RT: 7.13 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BM011687.D
 Acq: 22 Sep 2017 11:35

Instrument :
 BNA_M
 ClientSampleId :
 CB3B9

Tot Ion	Ratio	Lower	Upper
94	100		
65	37.0	23.0	34.6#
66	48.9	30.4	45.6#

Manual Integrations
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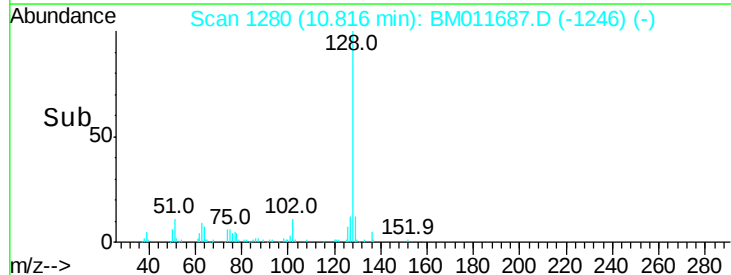
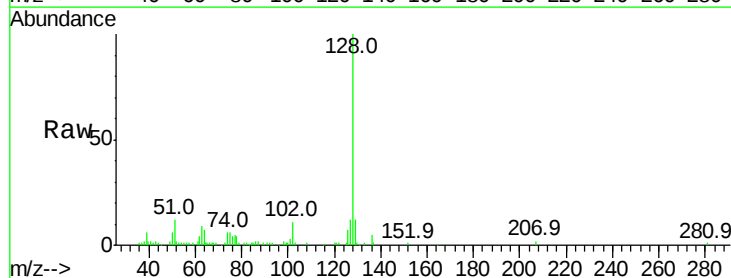
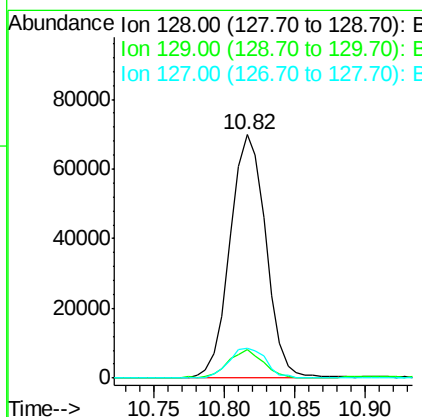


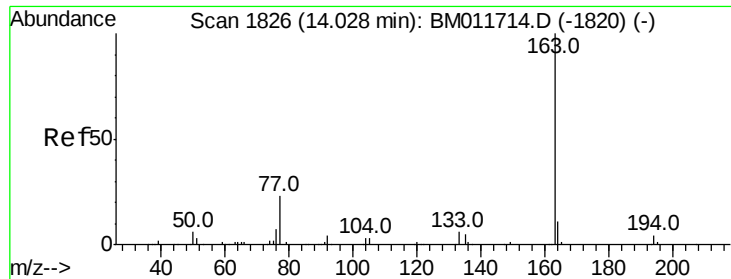
#28

Naphthalene

Concen: 1.459 ng/ul
 RT: 10.82 min Scan# 1280
 Delta R.T. 0.00 min
 Lab File: BM011687.D
 Acq: 22 Sep 2017 11:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.3	12.5
127	12.1	10.8	16.2





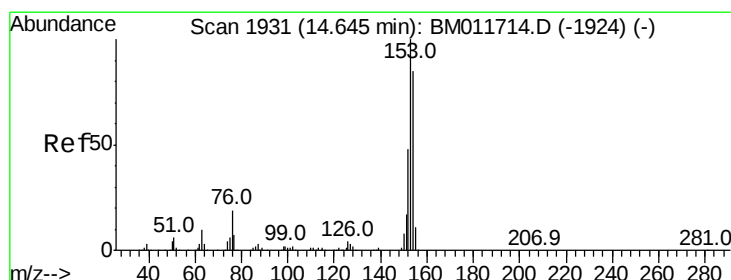
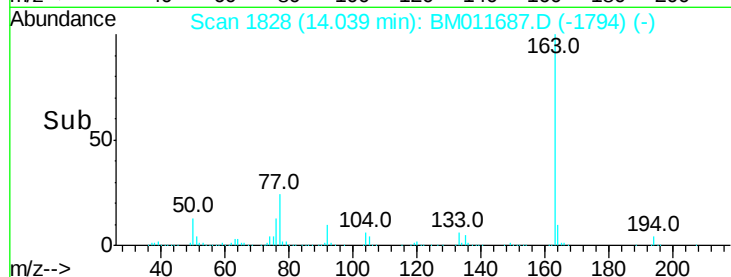
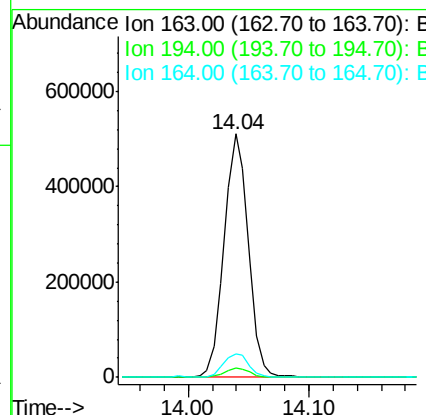
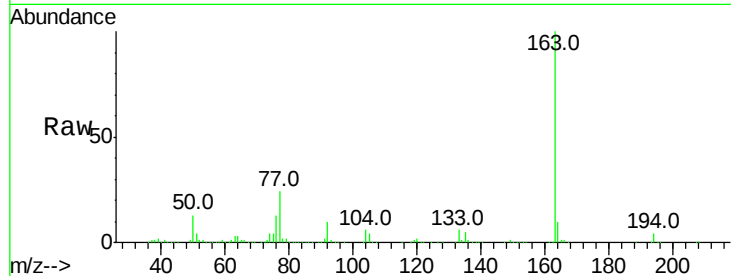
#45
Dimethylphthalate
Concen: 9.872 ng/ul
RT: 14.04 min Scan# 1828
Delta R.T. 0.00 min
Lab File: BM011687.D
Acq: 22 Sep 2017 11:35

Instrument :
BNA_M
ClientSampleId :
CB3B9

Tot Ion	Ratio	Resp	Lower	Upper
163	100	705062		
194	3.9	4.0	6.0	
164	9.9	8.4	12.6	

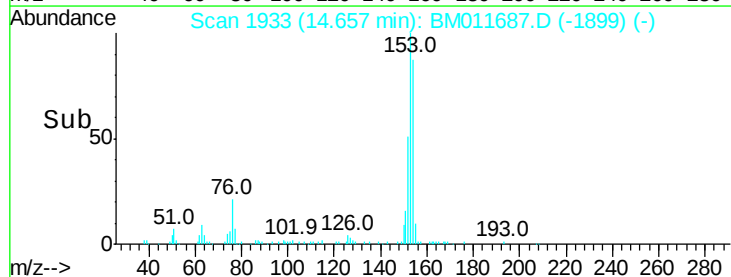
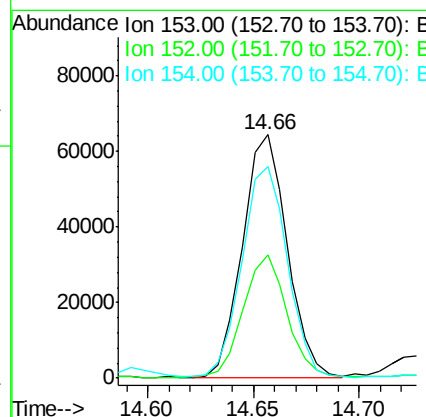
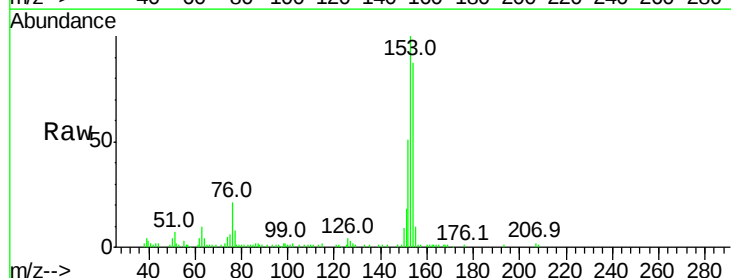
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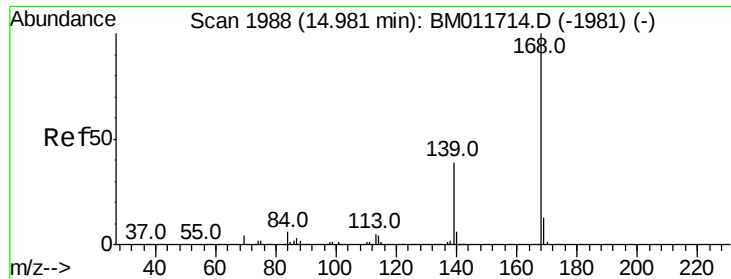
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#50
Acenaphthene
Concen: 1.552 ng/ul
RT: 14.66 min Scan# 1933
Delta R.T. -0.00 min
Lab File: BM011687.D
Acq: 22 Sep 2017 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	95246		
152	50.6	37.9	56.9	
154	87.1	69.8	104.6	





#54

Dibenzenofuran

Concen: 1.035 ng/ul

RT: 14.99 min Scan# 1990

Delta R.T. 0.00 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

Instrument :

BNA_M

ClientSampleId :

CB3B9

Tot Ion:168 Resp: 88833

Ion Ratio Lower Upper

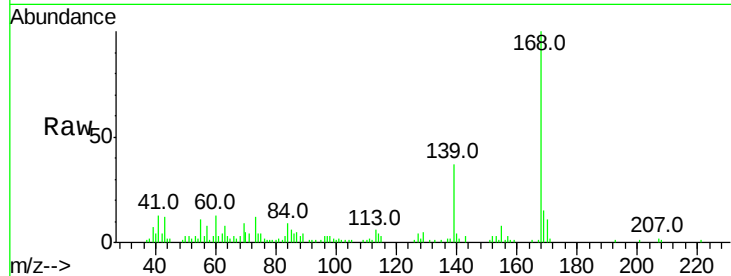
168 100

139 36.8 31.0 46.4

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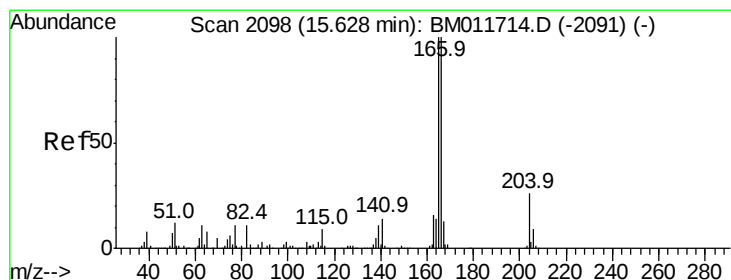
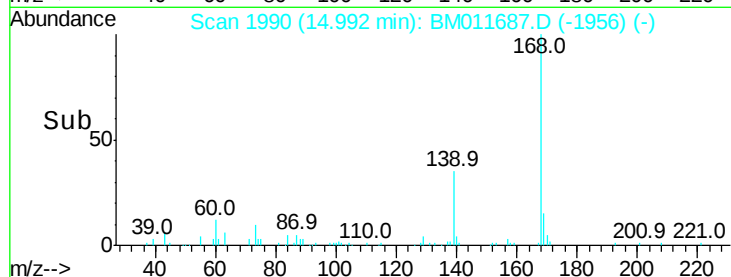
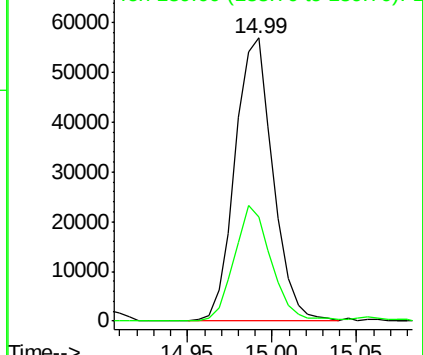
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 1.369 ng/ul

RT: 15.64 min Scan# 2100

Delta R.T. 0.00 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

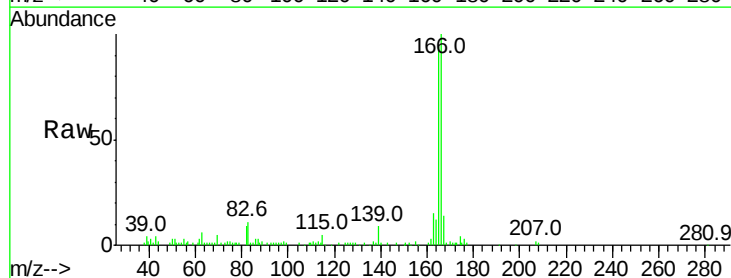
Tgt Ion:166 Resp: 98426

Ion Ratio Lower Upper

166 100

165 94.0 78.4 117.6

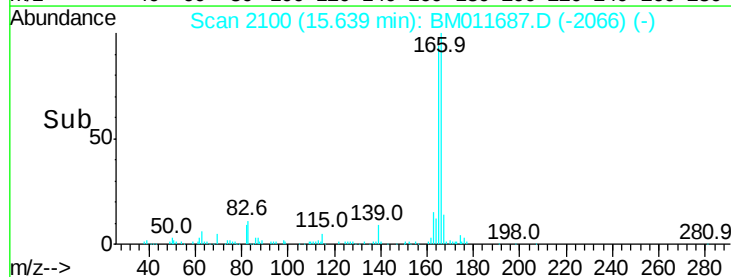
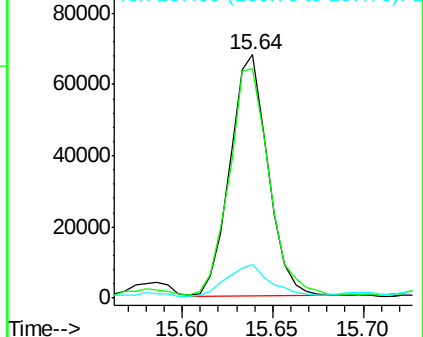
167 13.6 11.1 16.7

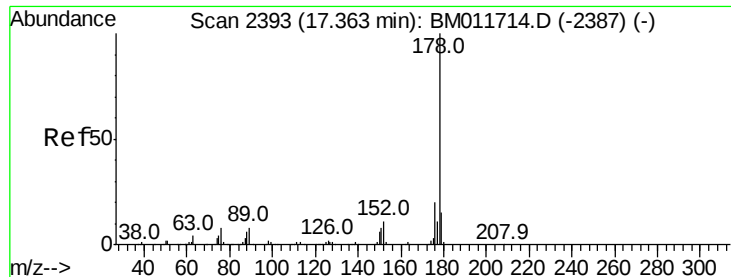


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 16.998 ng/ul

RT: 17.37 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

Instrument :

BNA_M

ClientSampled :

CB3B9

Tot Ion:178 Resp: 1646573

Ion Ratio Lower Upper

178 100

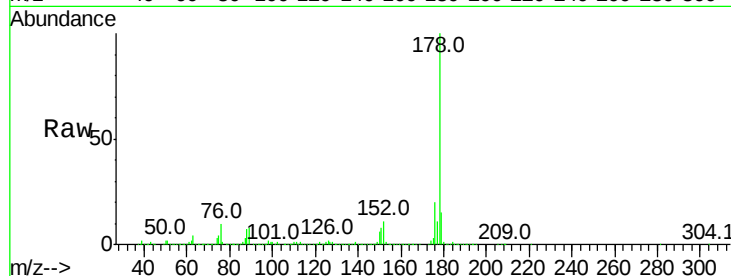
179 15.4 12.3 18.5

176 19.8 15.4 23.0

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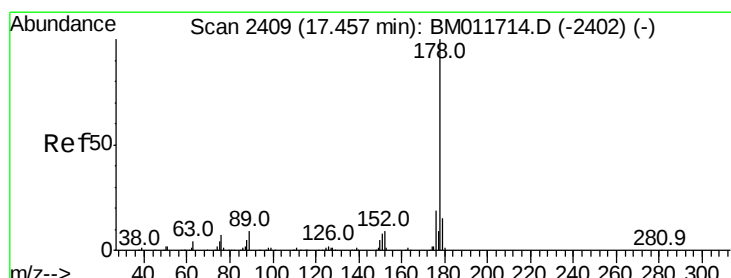
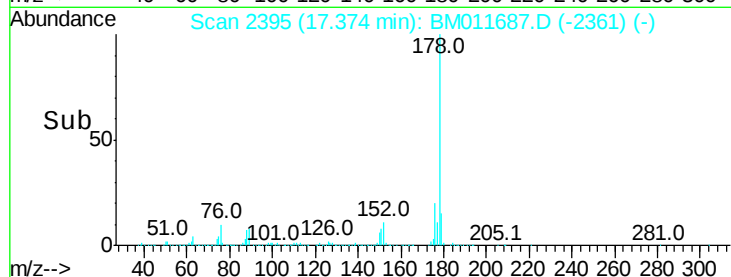
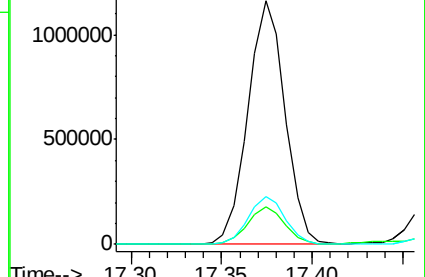
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 3.409 ng/ul

RT: 17.47 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

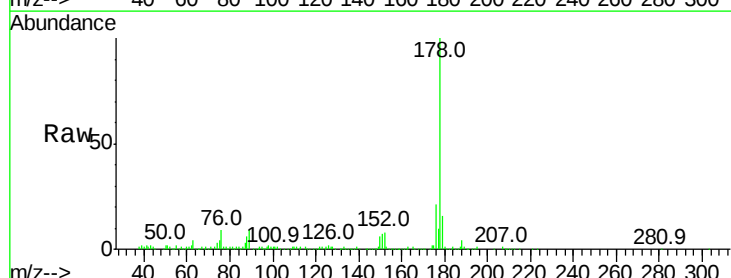
Tgt Ion:178 Resp: 338828

Ion Ratio Lower Upper

178 100

179 16.0 13.4 20.2

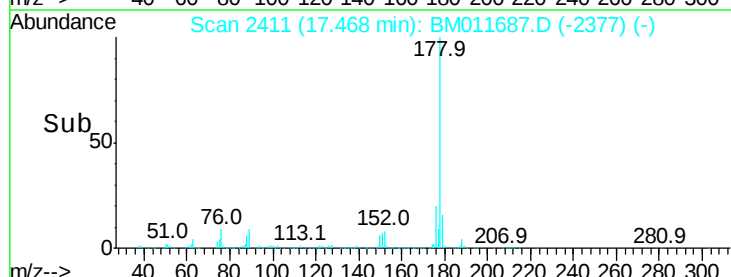
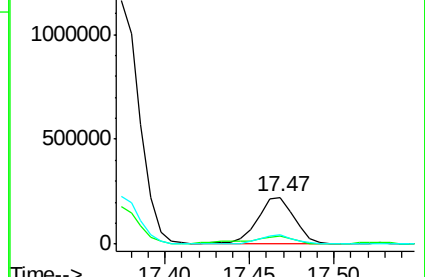
176 20.6 15.4 23.0

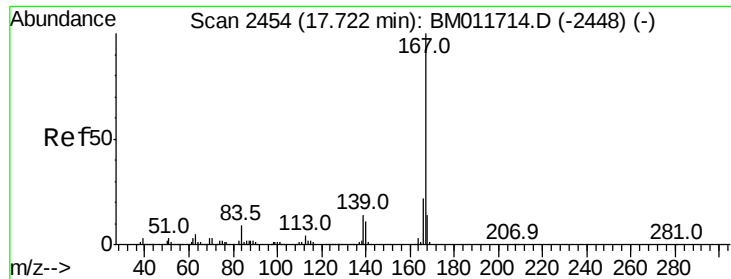


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.744 ng/ul

RT: 17.73 min Scan# 2456

Delta R.T. 0.00 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

Instrument :

BNA_M

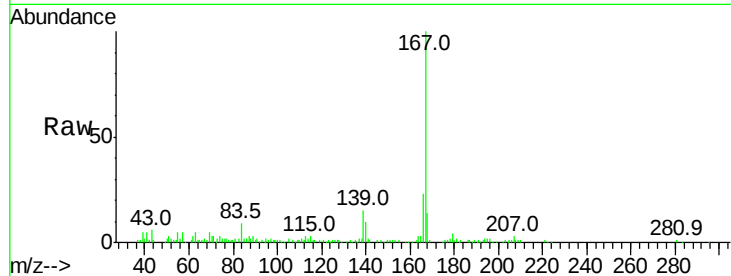
ClientSampleId :

CB3B9

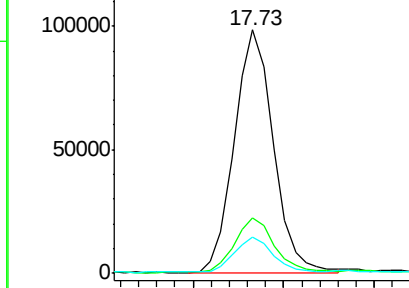
Tot Ion:	167	Resp:	147920
Ion Ratio	Lower	Upper	
167	100		
166	22.9	17.0	25.4
139	15.0	9.1	13.7#

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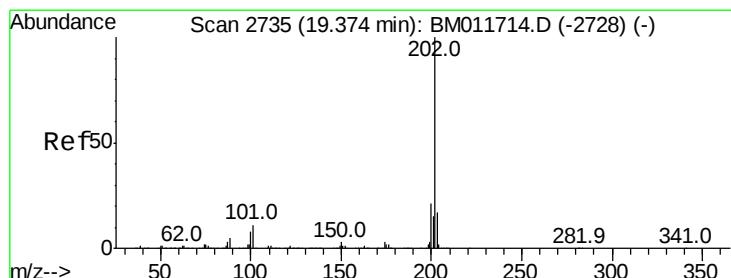
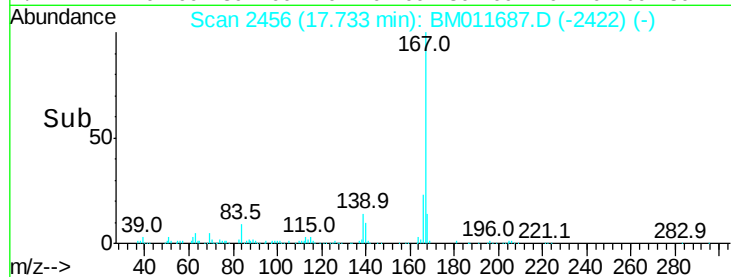
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



Time-->



#77

Fluoranthene

Concen: 23.369 ng/ul

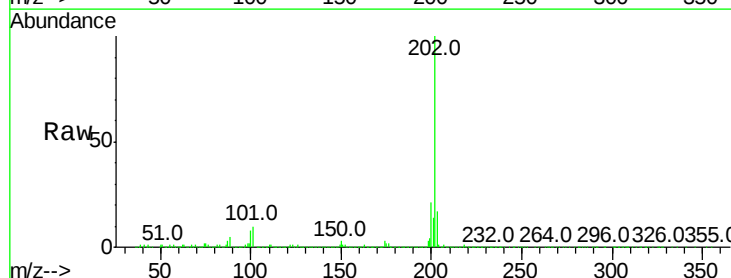
RT: 19.39 min Scan# 2737

Delta R.T. 0.00 min

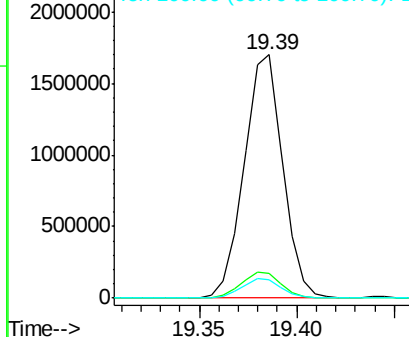
Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

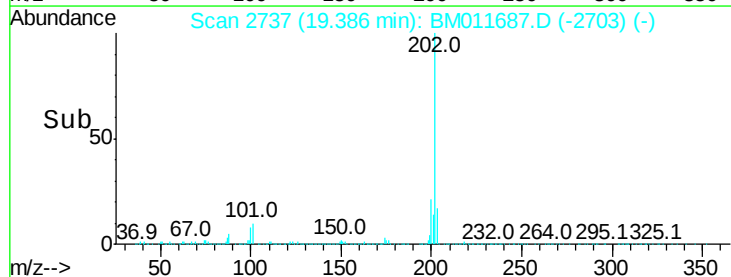
Tgt Ion:	202	Resp:	2328368
Ion Ratio	Lower	Upper	
202	100		
101	10.2	6.1	9.1#
100	7.7	4.6	7.0#

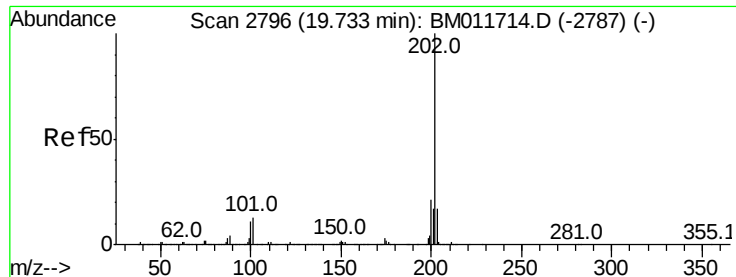


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->





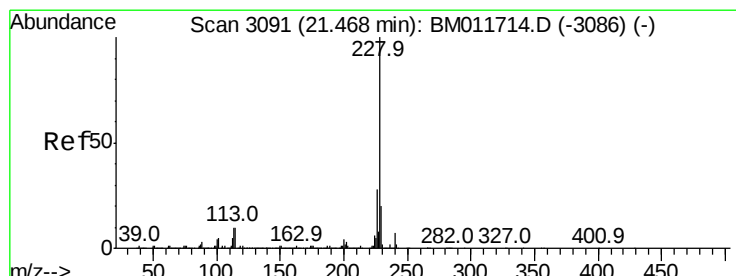
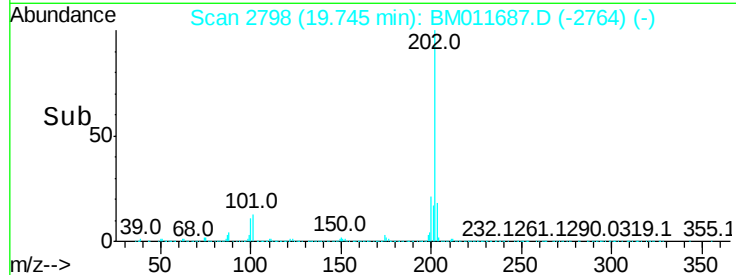
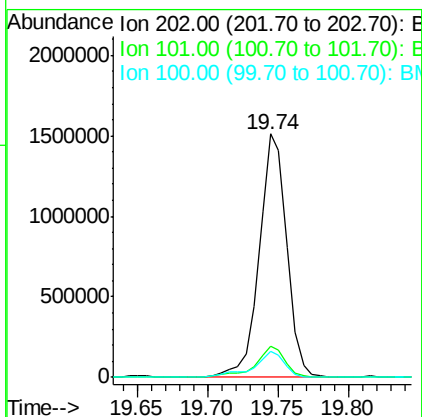
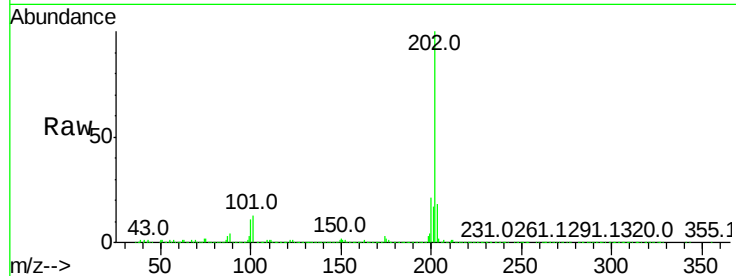
#80
Pvrene
Concen: 28.351 ng/ul
RT: 19.74 min Scan# 2798
Delta R.T. 0.00 min
Lab File: BM011687.D
Acq: 22 Sep 2017 11:35

Instrument :
BNA_M
ClientSampleId :
CB3B9

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.0	6.9	10.3#
100	10.7	5.6	8.4#

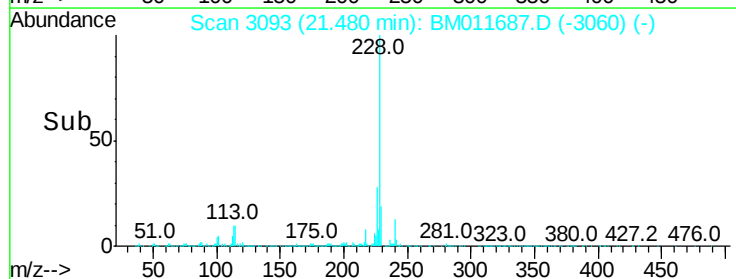
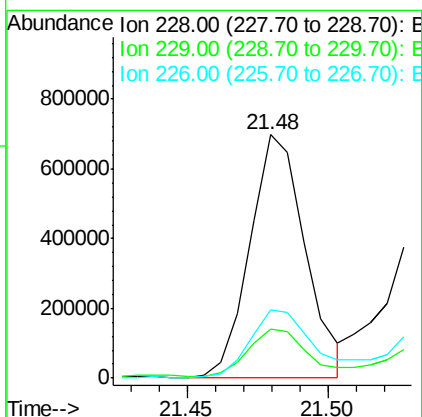
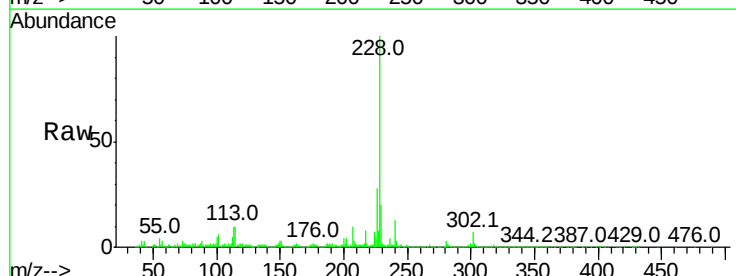
Manual Integrations
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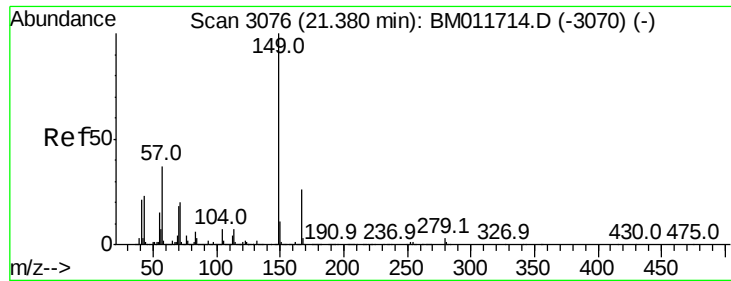
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#83
Benzo(a)anthracene
Concen: 13.689 ng/ul
RT: 21.48 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BM011687.D
Acq: 22 Sep 2017 11:35

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	16.0	24.0
226	28.3	21.8	32.8





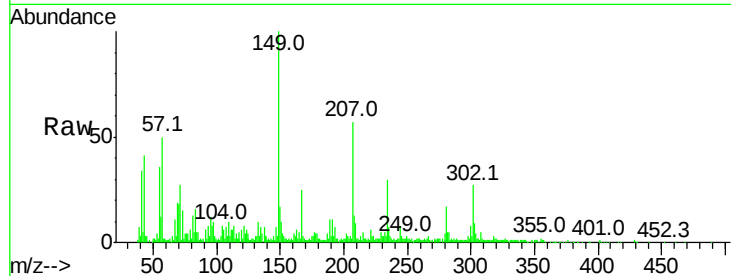
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.013 ng/ul
 RT: 21.39 min Scan# 3078
 Delta R.T. 0.00 min
 Lab File: BM011687.D
 Acq: 22 Sep 2017 11:35

Instrument :
 BNA_M
 ClientSampled :
 CB3B9

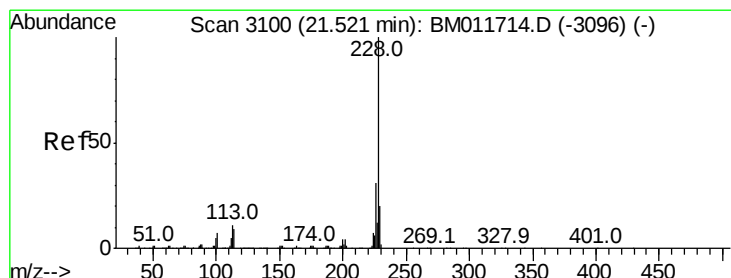
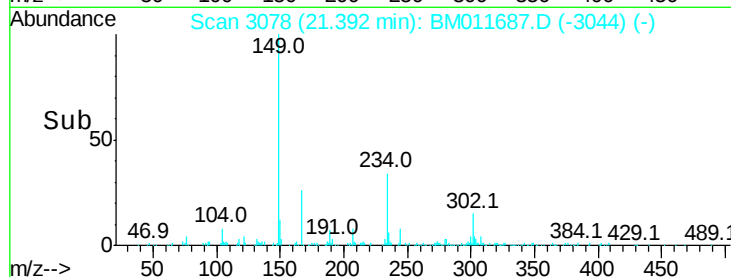
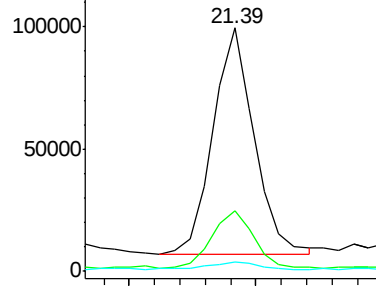
Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	24.8	23.0	34.6
279	4.1	4.3	6.5#

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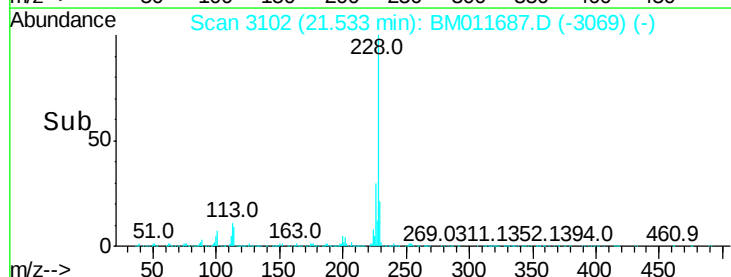
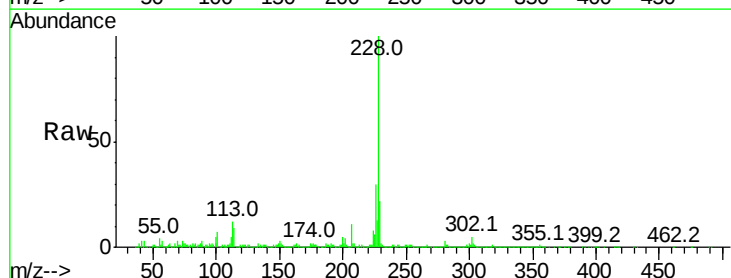
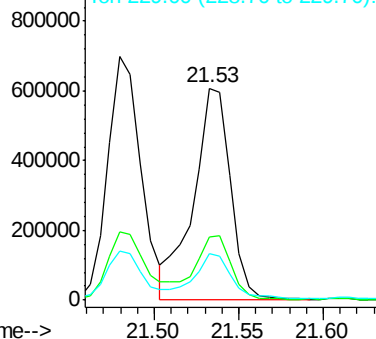
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

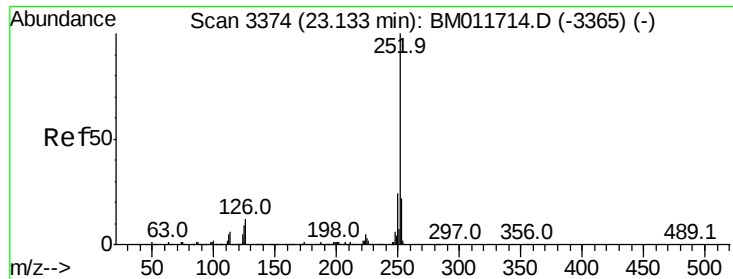


#85
 Chrysene
 Concen: 14.728 ng/ul
 RT: 21.53 min Scan# 3102
 Delta R.T. -0.01 min
 Lab File: BM011687.D
 Acq: 22 Sep 2017 11:35

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.1	24.1	36.1
229	22.0	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





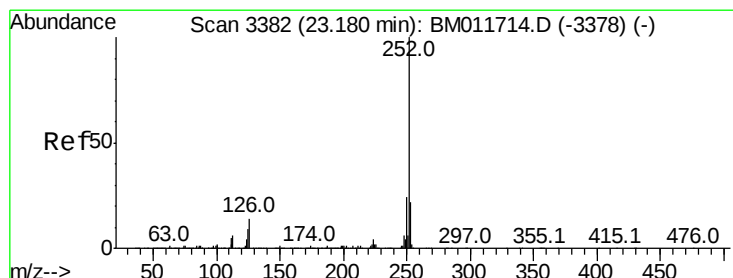
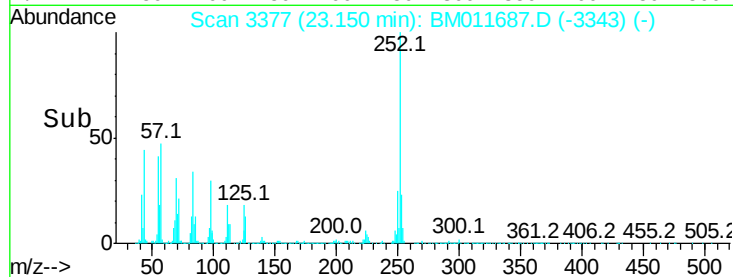
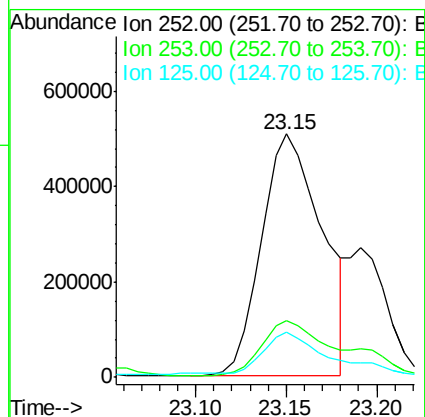
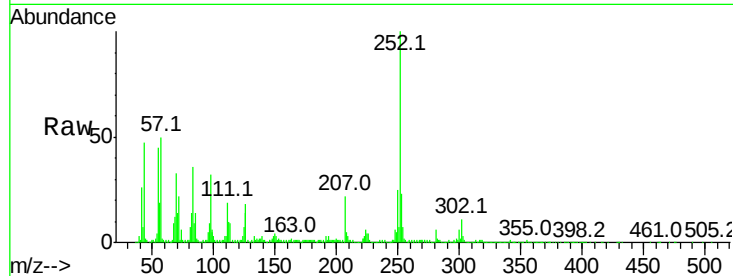
#88
Benzo(b)fluoranthene
Concen: 15.022 ng/ul
RT: 23.15 min Scan# 3377
Delta R.T. -0.00 min
Lab File: BM011687.D
Acq: 22 Sep 2017 11:35

Instrument :
BNA_M
ClientSampleId :
CB3B9

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	18.4	4.9	7.3

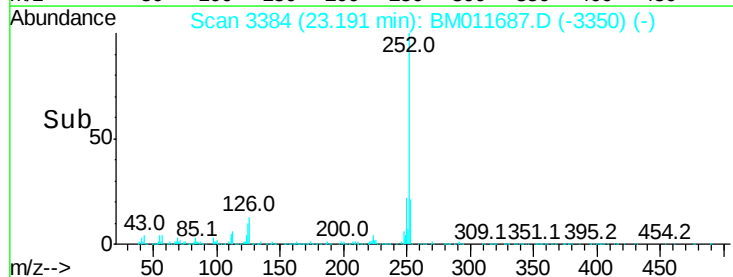
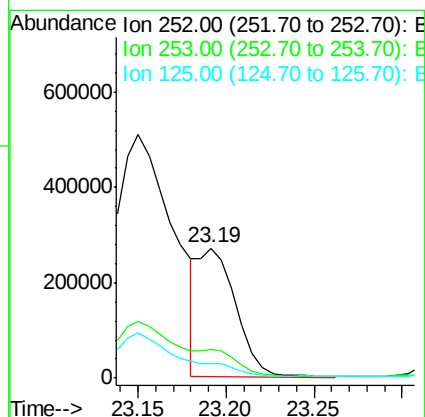
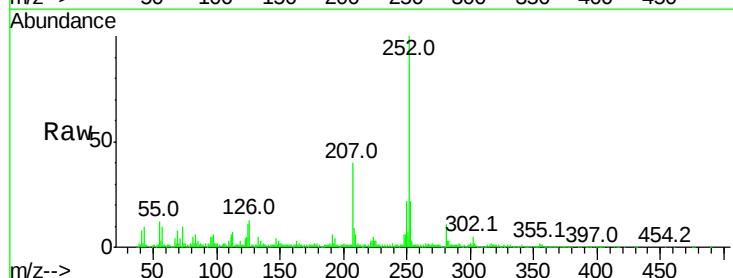
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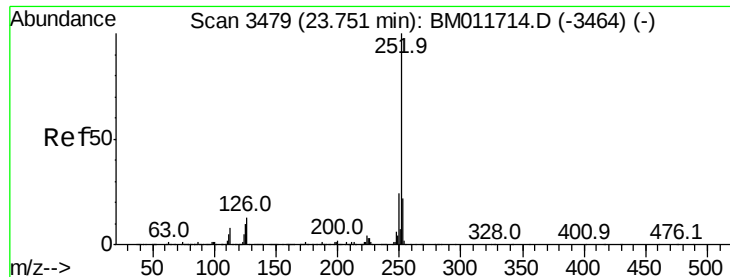
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#89
Benzo(k)fluoranthene
Concen: 5.414 ng/ul m
RT: 23.19 min Scan# 3384
Delta R.T. 0.00 min
Lab File: BM011687.D
Acq: 22 Sep 2017 11:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	11.4	5.4	8.0





#91

Benzo(a)pyrene

Concen: 11.379 ng/ul

RT: 23.77 min Scan# 3482

Delta R.T. 0.01 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

Instrument :

BNA_M

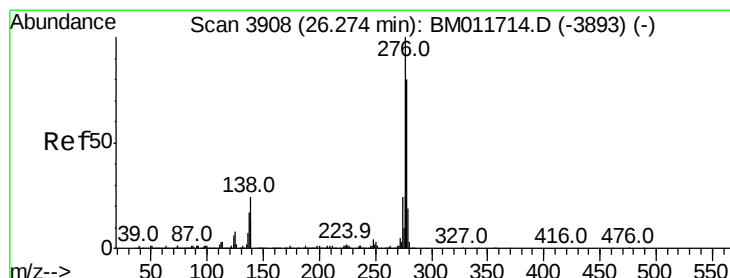
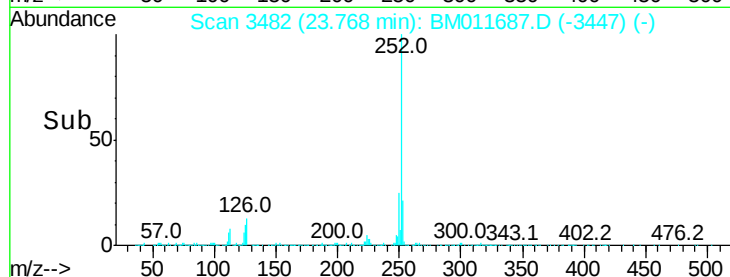
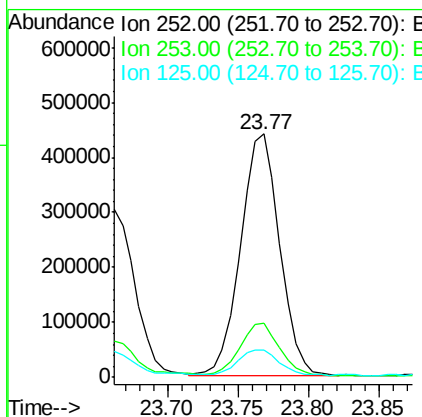
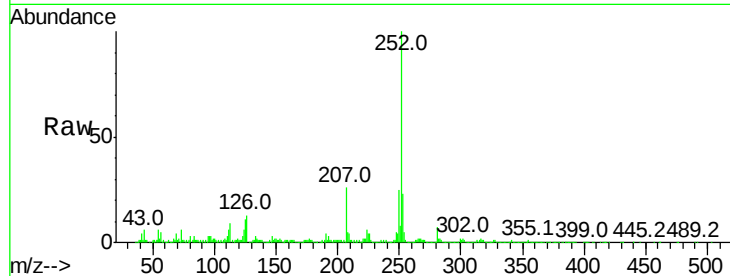
ClientSampled :

CB3B9

Tot Ion:	252	Resp:	846793
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.2	25.8
125	11.1	5.8	8.6#

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#92

Indeno(1,2,3-cd)pyrene

Concen: 7.471 ng/ul

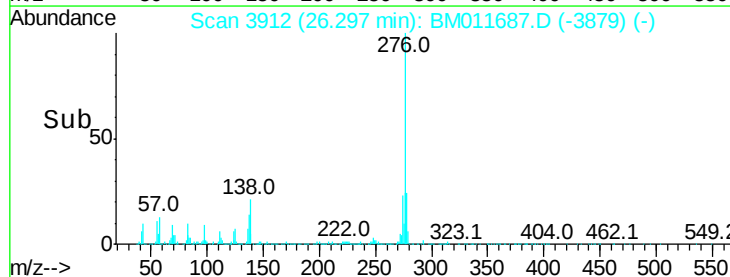
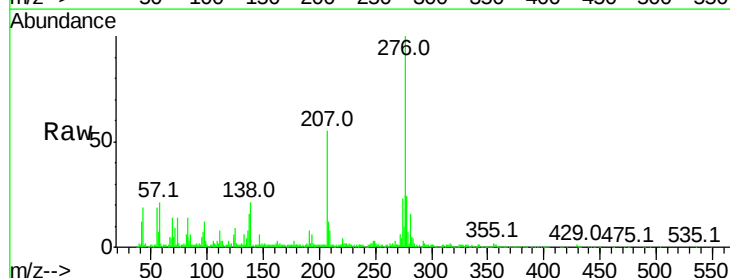
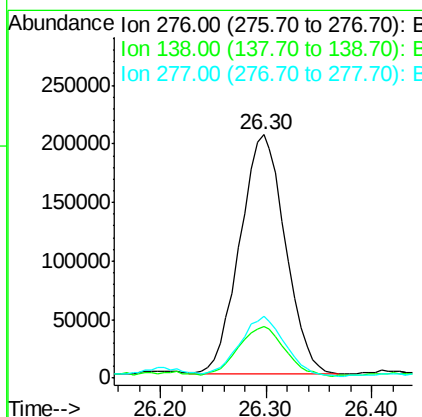
RT: 26.30 min Scan# 3912

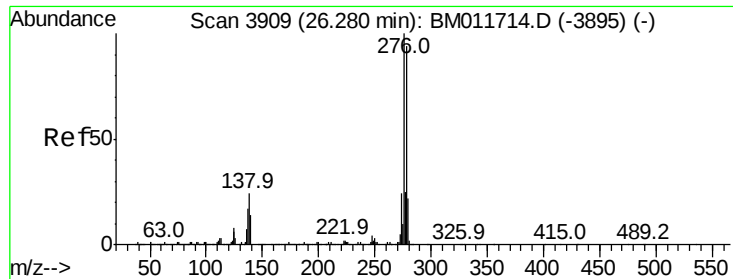
Delta R.T. -0.01 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

Tgt Ion:	276	Resp:	611601
Ion Ratio	Lower	Upper	
276	100		
138	21.4	10.9	16.3#
277	25.2	18.9	28.3





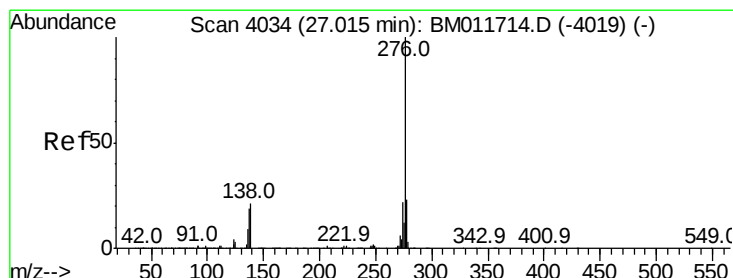
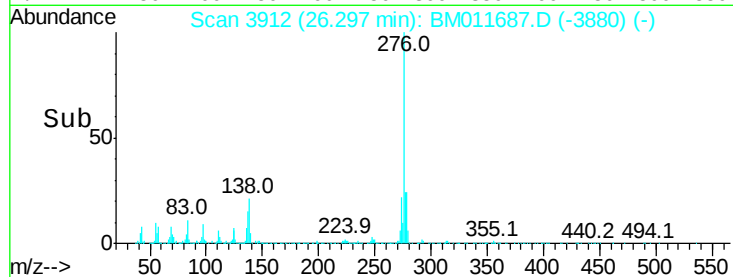
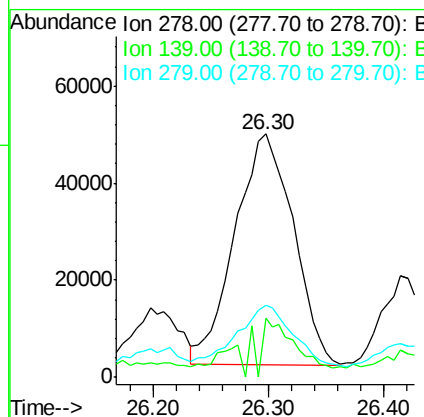
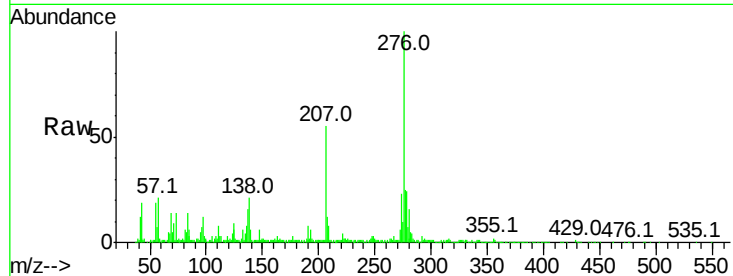
#93
Dibenzo(a,h)anthracene
Concen: 2.423 ng/ul
RT: 26.30 min Scan# 3912
Delta R.T. -0.01 min
Lab File: BM011687.D
Acq: 22 Sep 2017 11:35

Instrument :
BNA_M
ClientSampleId :
CB3B9

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.5	9.0	13.4#
279	29.4	19.1	28.7#

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#94
Benzo(g,h,i)perylene
Concen: 9.567 ng/ul
RT: 27.05 min Scan# 4040
Delta R.T. -0.00 min
Lab File: BM011687.D
Acq: 22 Sep 2017 11:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.5	11.2	16.8#
277	21.9	19.0	28.6

