

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
 Data File : BM011677.D
 Acq On : 22 Sep 2017 05:20
 Operator : SJ/JU
 Sample : I5284-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB3C8

Manual Integrations
 APPROVED

Sohil
 9/22/2017 4:06:38 PM

Quant Time: Sep 22 09:21:38 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	564398	20.00	ng/ul	0.00
18) Naphthalene-d8	10.77	136	2596572	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	1441547	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	3106810	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	2501534	20.00	ng/ul	0.00
86) Perylene-d12	23.87	264	1983393	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	11696	0.93	ng/uL	0.00
5) Phenol-d5	7.11	99	334470	6.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.28	67	353459	9.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	302570	7.41	ng/ul	0.00
13) 4-Methylphenol-d8	8.65	113	219882	5.20	ng/ul	0.00
19) Nitrobenzene-d5	9.12	128	191214m	9.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	112328	5.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	227564	5.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.91	131	11822	0.26	ng/ul	0.01
44) Dimethylphthalate-d6	13.99	166	948101	7.78	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	1466026	9.95	ng/ul	0.00
52) 4-Nitrophenol-d4	14.79	143	4023	0.18	ng/ul	0.02
58) Fluorene-d10	15.58	176	1038840	9.84	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.70	200	8614	0.48	ng/ul	0.00
71) Anthracene-d10	17.43	188	1518217	9.92	ng/ul	0.00
79) Pyrene-d10	19.72	212	1625024	13.87	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.71	264	972195	10.29	ng/ul	0.00

Target Compounds

				Ovalue	
28) Naphthalene	10.82	128	182907	1.358	ng/ul 99
45) Dimethylphthalate	14.04	163	234565	2.010	ng/ul# 97
50) Acenaphthene	14.66	153	148955	1.486	ng/ul 100
54) Dibenzofuran	14.99	168	148010	1.056	ng/ul 97
59) Fluorene	15.63	166	155477	1.323	ng/ul 97
70) Phenanthrene	17.37	178	2308062	13.328	ng/ul 100
72) Anthracene	17.46	178	484411	2.726	ng/ul 99
75) Carbazole	17.73	167	192359	1.269	ng/ul# 96
77) Fluoranthene	19.39	202	2970874	16.679	ng/ul# 93
80) Pyrene	19.74	202	2500617	17.133	ng/ul# 88
83) Benzo(a)anthracene	21.48	228	1102122	8.002	ng/ul 99
85) Chrysene	21.53	228	984681	7.886	ng/ul 99
88) Benzo(b)fluoranthene	23.15	252	1122536	9.408	ng/ul# 93
89) Benzo(k)fluoranthene	23.19	252	253005m	2.208	ng/ul
91) Benzo(a)pyrene	23.76	252	680613	6.043	ng/ul# 95
92) Indeno(1,2,3-cd)pyrene	26.30	276	427686	3.452	ng/ul# 92
93) Dibenzo(a,h)anthracene	26.29	278	116886	1.113	ng/ul# 88
94) Benzo(g,h,i)perylene	27.04	276	361171	3.600	ng/ul# 92

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

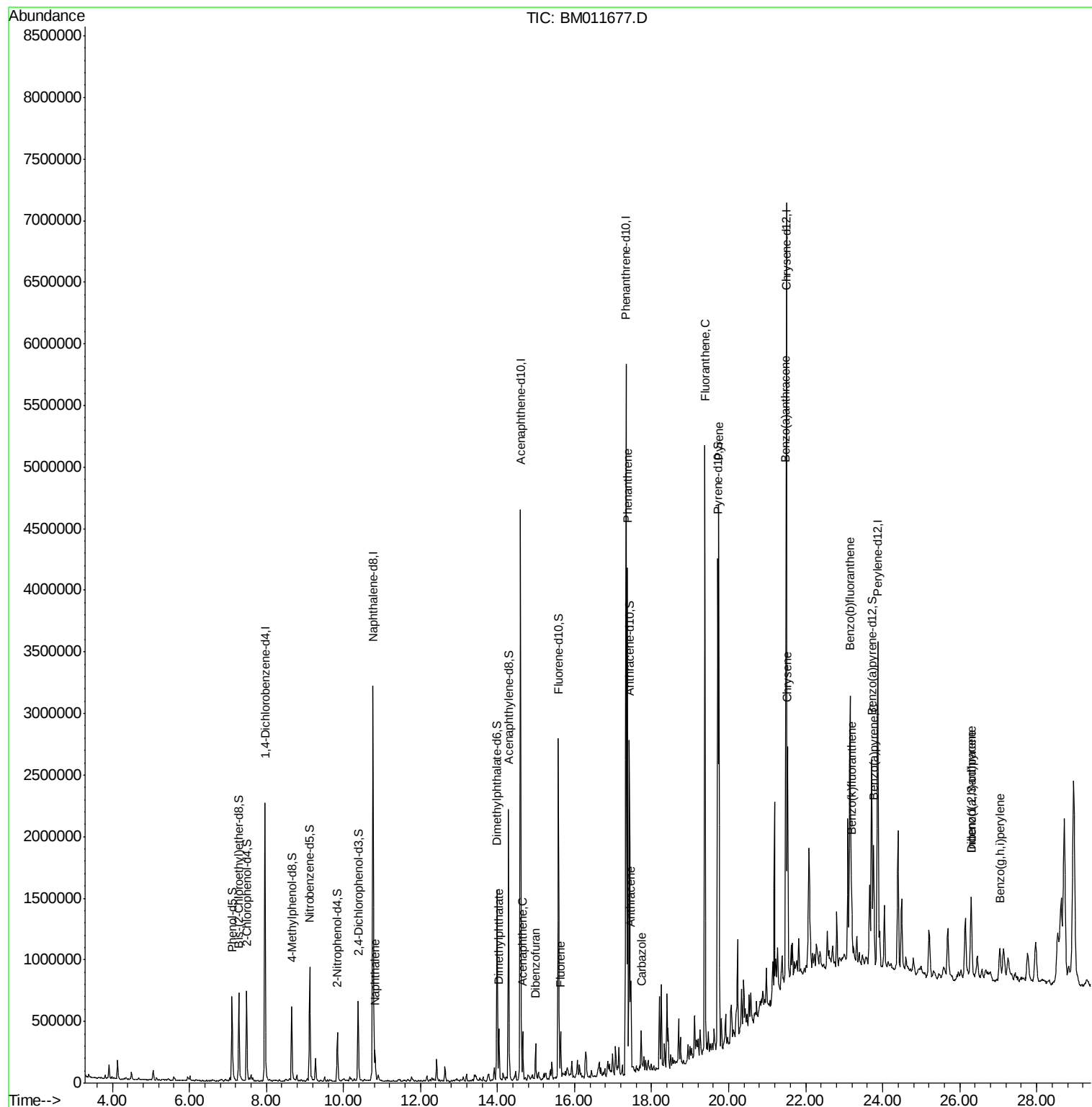
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
Data File : BM011677.D
Acq On : 22 Sep 2017 05:20
Operator : SJ/JU
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ALS Vial : 28 Sample Multiplier: 1

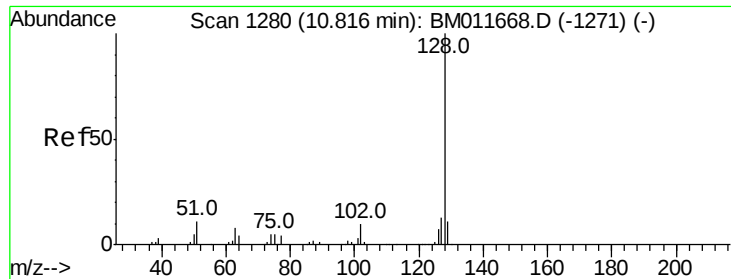
Instrument :
BNA_M
ClientSampleID :
CB3C8

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Quant Time: Sep 22 09:21:38 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
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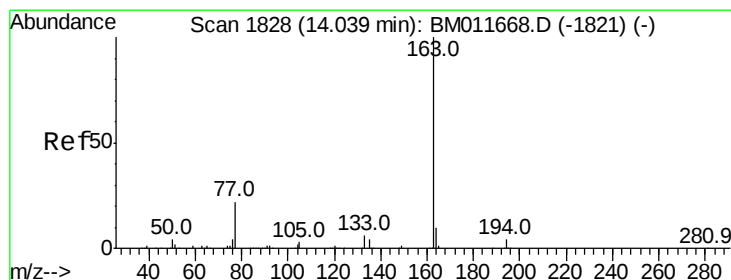
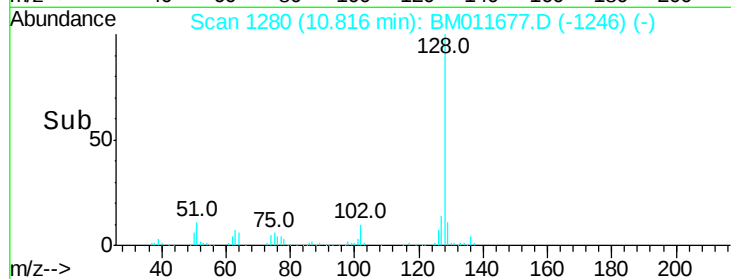
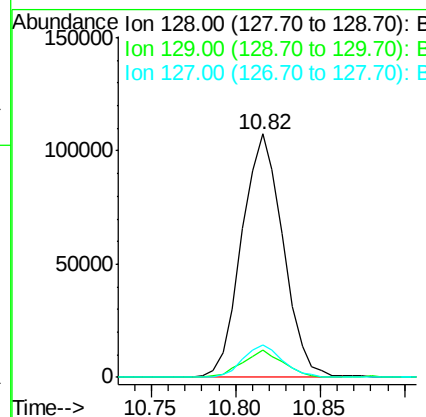
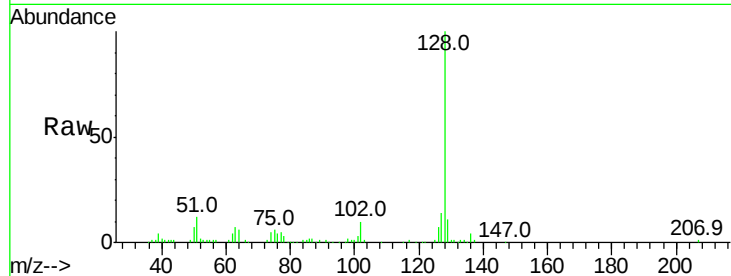
#28
Naphthalene
Concen: 1.358 ng/ul
RT: 10.82 min Scan# 1280
Delta R.T. -0.00 min
Lab File: BM011677.D
Acq: 22 Sep 2017 05:20

Instrument :
BNA_M
ClientSampleId :
CB3C8

Tot Ion:	128	Resp:	182907
Ion Ratio		Lower	Upper
128	100		
129	11.0	8.3	12.5
127	13.5	10.8	16.2

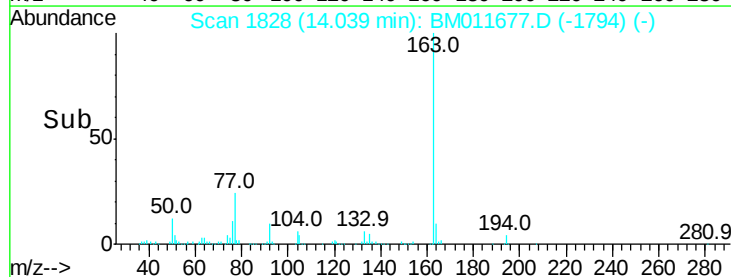
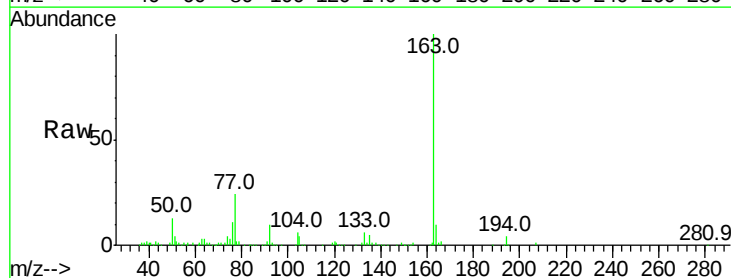
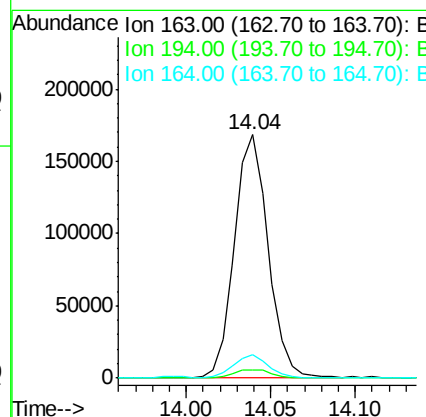
Manual Integrations
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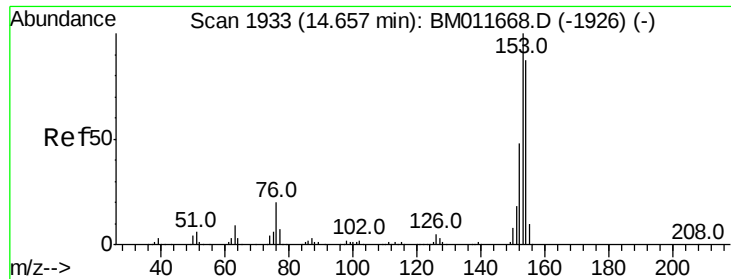
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#45
Dimethylphthalate
Concen: 2.010 ng/ul
RT: 14.04 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BM011677.D
Acq: 22 Sep 2017 05:20

Tgt Ion:	163	Resp:	234565
Ion Ratio		Lower	Upper
163	100		
194	3.5	4.0	6.0#
164	9.7	8.4	12.6





#50

Acenaphthene

Concen: 1.486 ng/ul

RT: 14.66 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

Instrument :

BNA_M

ClientSampled :

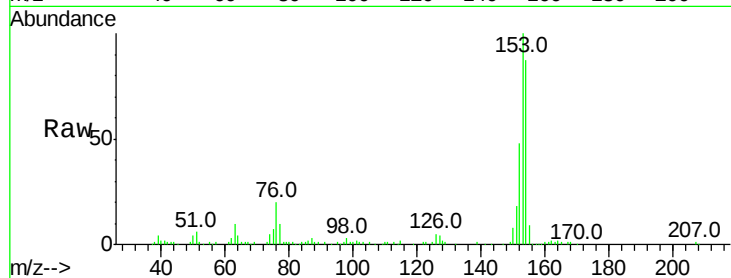
CB3C8

Tot Ion:	153	Resp:	148955
Ion Ratio	Lower	Upper	
153	100		
152	48.0	37.9	56.9
154	87.1	69.8	104.6

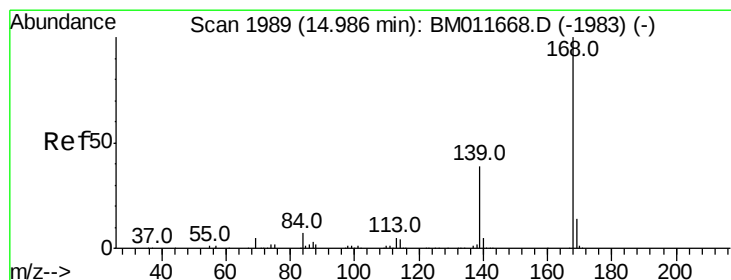
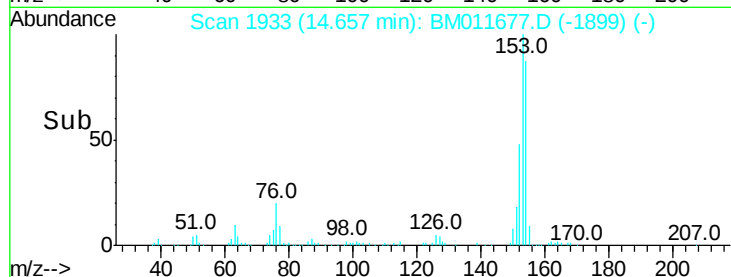
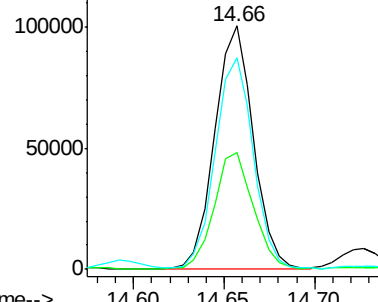
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 1.056 ng/ul

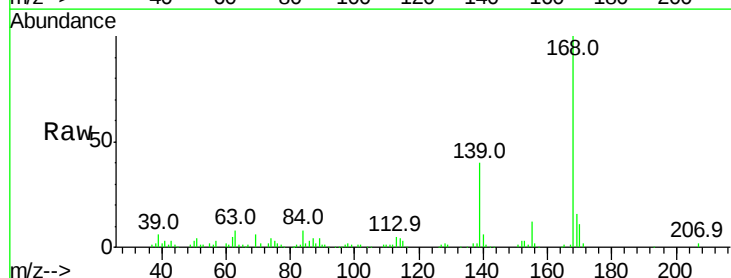
RT: 14.99 min Scan# 1989

Delta R.T. -0.00 min

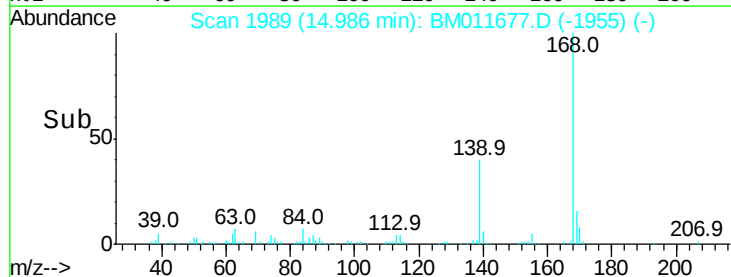
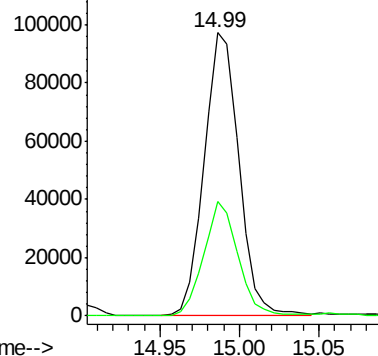
Lab File: BM011677.D

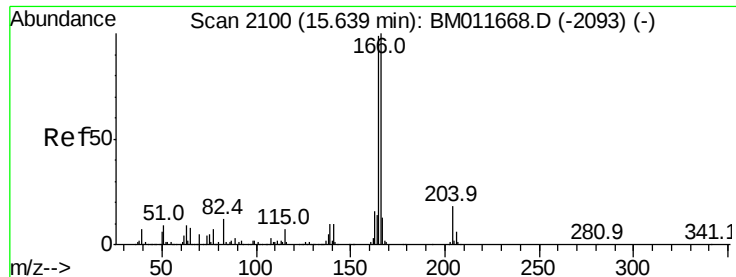
Acq: 22 Sep 2017 05:20

Tgt Ion:	168	Resp:	148010
Ion Ratio	Lower	Upper	
168	100		
139	40.3	31.0	46.4



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





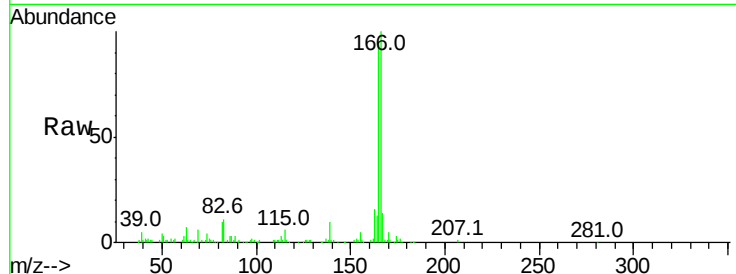
#59
Fluorene
Concen: 1.323 ng/ul
RT: 15.63 min Scan# 2099
Delta R.T. -0.01 min
Lab File: BM011677.D
Acq: 22 Sep 2017 05:20

Instrument :
BNA_M
ClientSampleId :
CB3C8

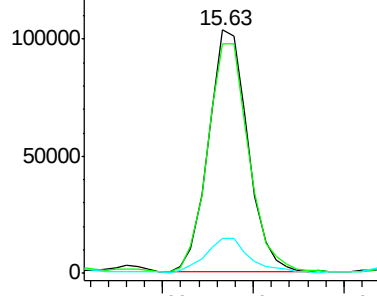
Tot Ion	Ratio	Lower	Upper
166	100		
165	94.3	78.4	117.6
167	14.3	11.1	16.7

Manual Integrations
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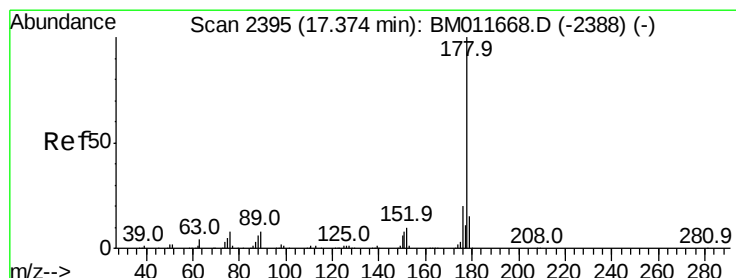
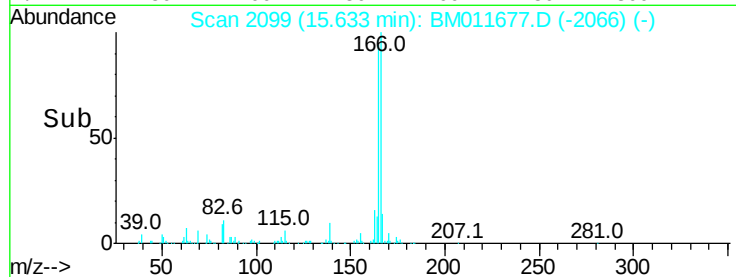
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

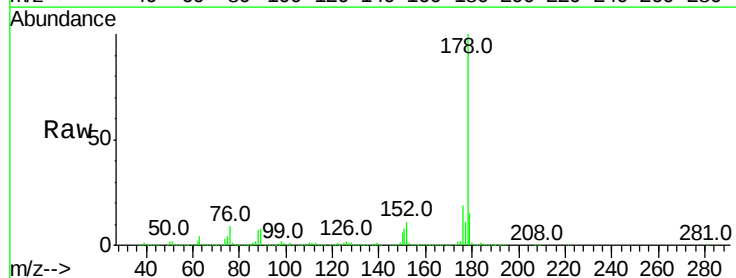


Time-->

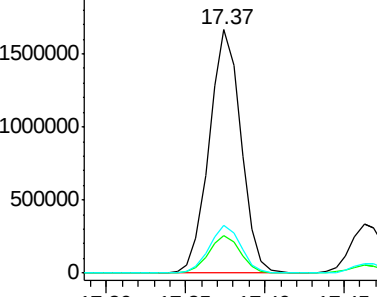


#70
Phenanthrene
Concen: 13.328 ng/ul
RT: 17.37 min Scan# 2395
Delta R.T. -0.00 min
Lab File: BM011677.D
Acq: 22 Sep 2017 05:20

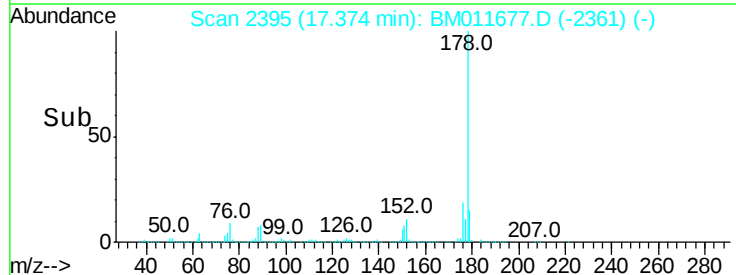
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	19.4	15.4	23.0

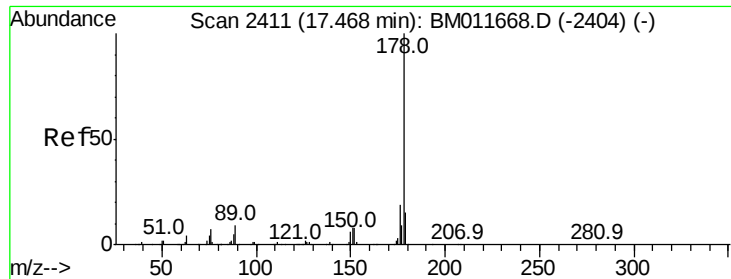


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->





#72

Anthracene

Concen: 2.726 ng/ul

RT: 17.46 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

Instrument :

BNA_M

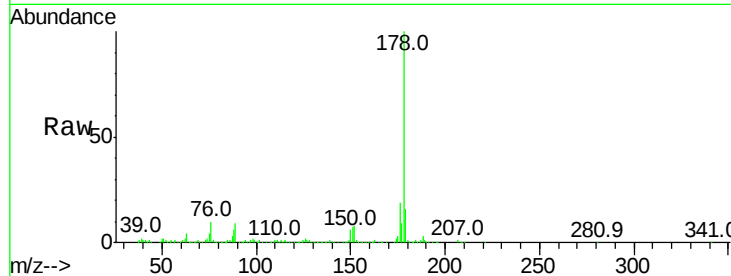
ClientSampled :

CB3C8

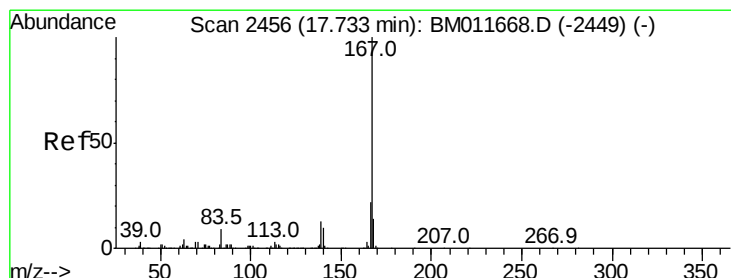
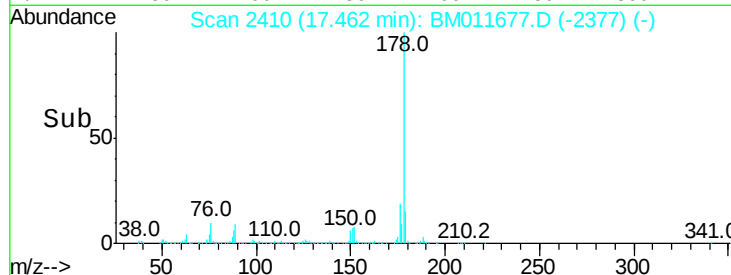
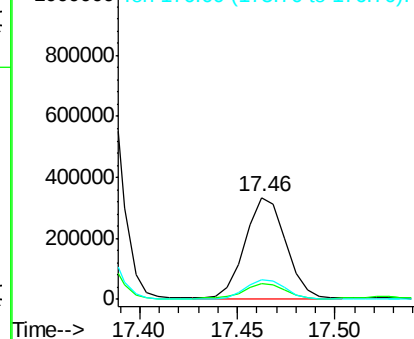
Tot Ion:	178	Resp:	484411
Ion Ratio	Lower	Upper	
178	100		
179	15.6	13.4	20.2
176	19.4	15.4	23.0

Manual Integrations
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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



#75

Carbazole

Concen: 1.269 ng/ul

RT: 17.73 min Scan# 2456

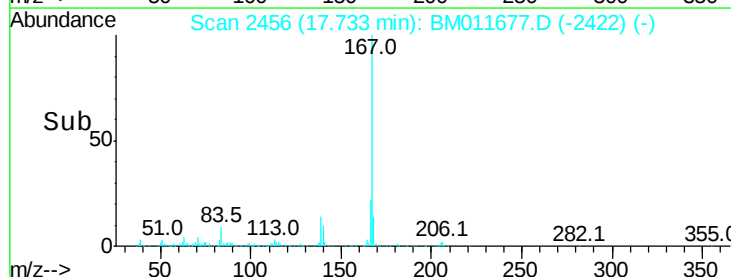
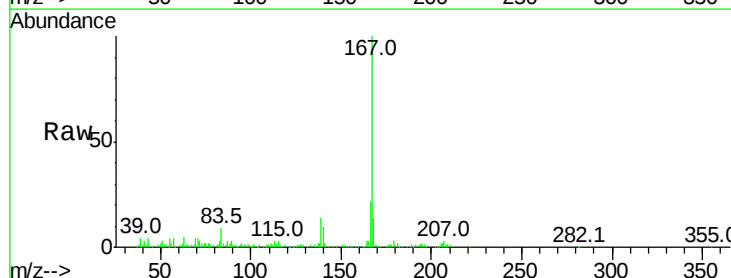
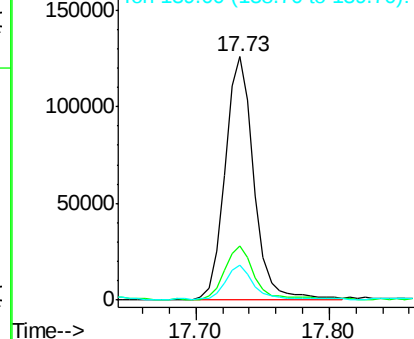
Delta R.T. -0.00 min

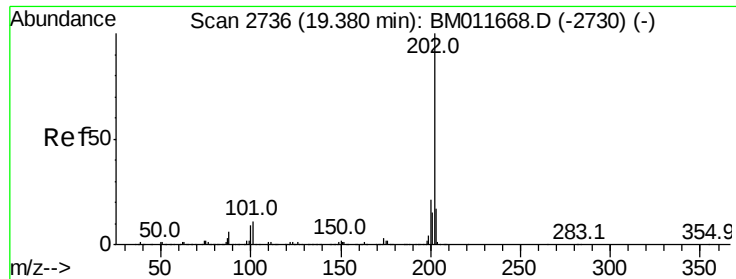
Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

Tgt Ion:	167	Resp:	192359
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.0	25.4
139	14.4	9.1	13.7#

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





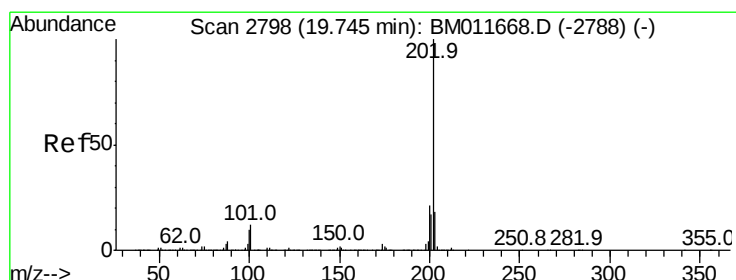
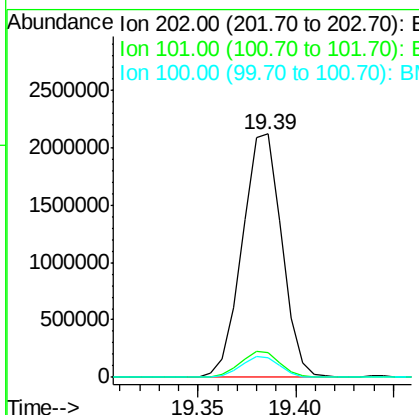
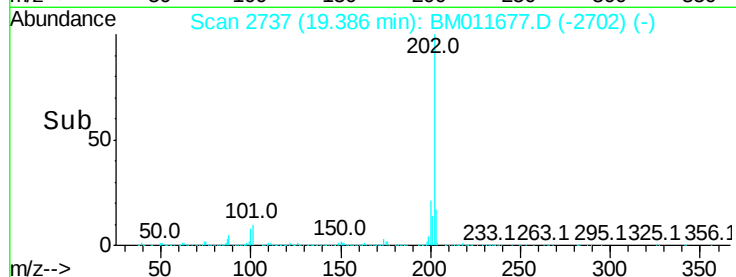
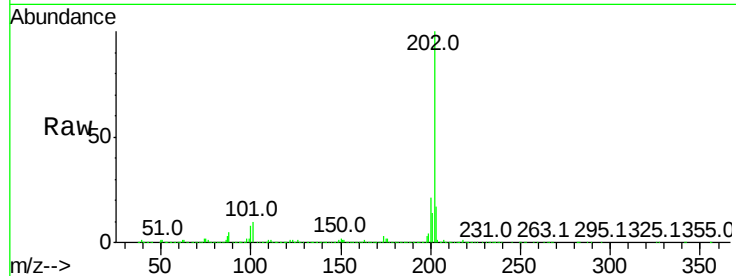
#77
 Fluoranthene
 Concen: 16.679 ng/ul
 RT: 19.39 min Scan# 2737
 Delta R.T. 0.01 min
 Lab File: BM011677.D
 Acq: 22 Sep 2017 05:20

Instrument :
 BNA_M
 ClientSampleID :
 CB3C8

Tot Ion	Ratio	Resp	Lower	Upper
202	100	2970874		
101	10.2		6.1	9.1#
100	7.9		4.6	7.0#

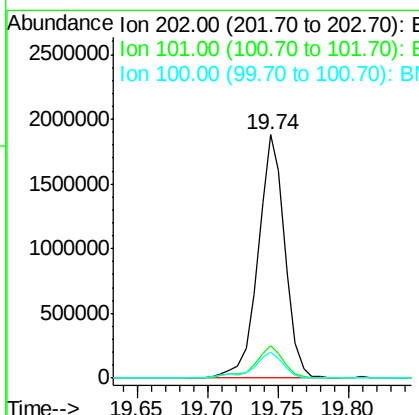
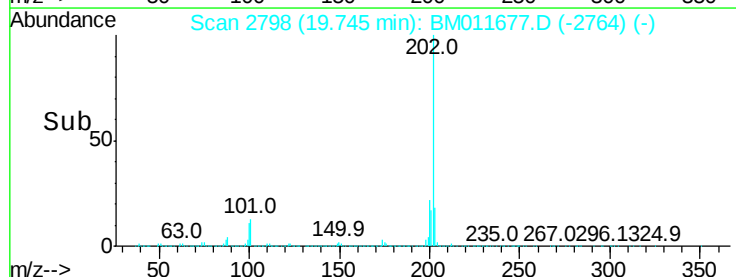
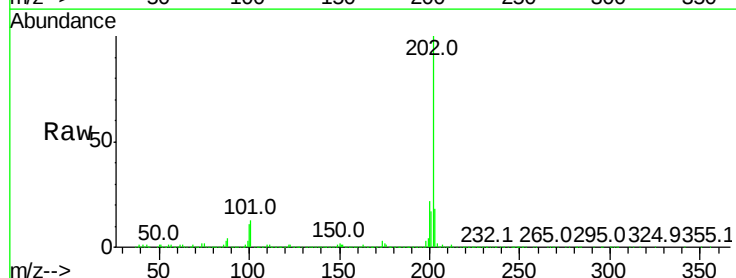
Manual Integrations
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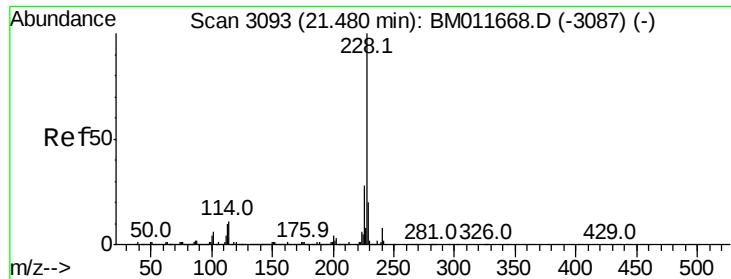
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#80
 Pyrene
 Concen: 17.133 ng/ul
 RT: 19.74 min Scan# 2798
 Delta R.T. -0.00 min
 Lab File: BM011677.D
 Acq: 22 Sep 2017 05:20

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2500617		
101	13.1		6.9	10.3#
100	10.6		5.6	8.4#





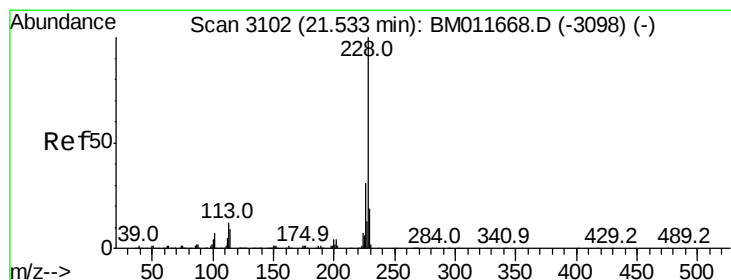
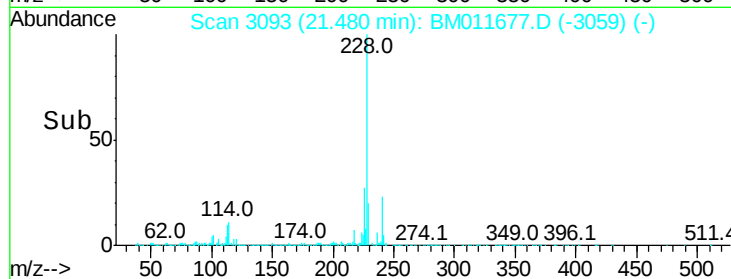
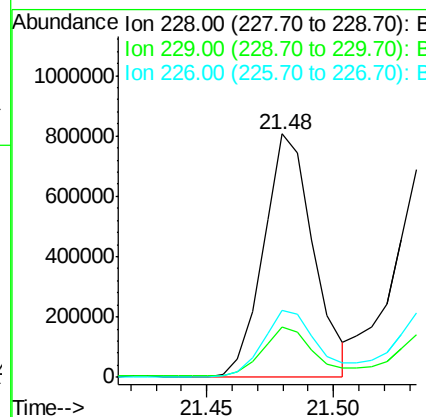
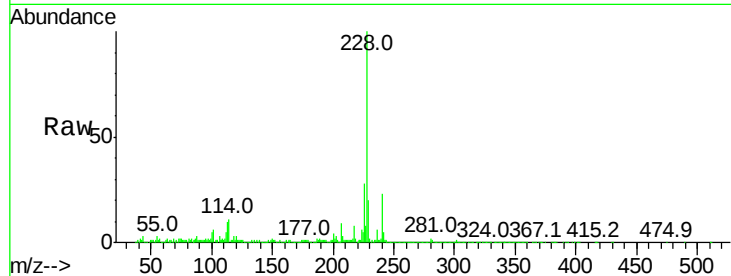
#83
Benzo(a)anthracene
Concen: 8.002 ng/ul
RT: 21.48 min Scan# 3093
Delta R.T. 0.00 min
Lab File: BM011677.D
Acq: 22 Sep 2017 05:20

Instrument :
BNA_M
ClientSampled :
CB3C8

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.5	16.0	24.0
226	27.8	21.8	32.8

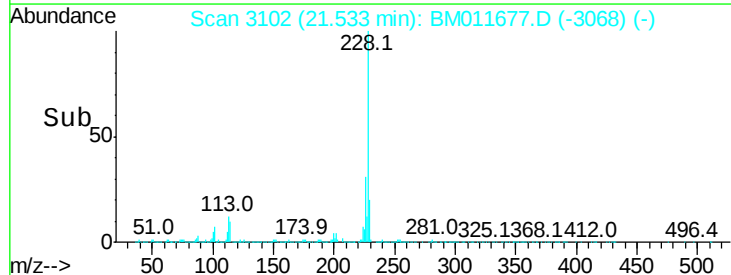
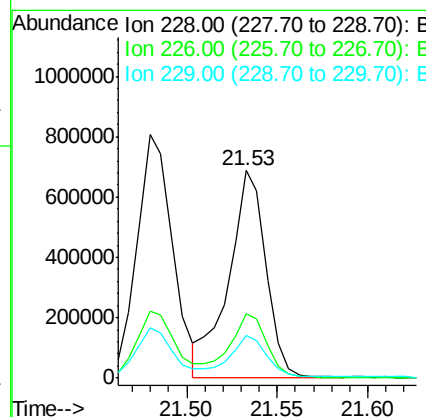
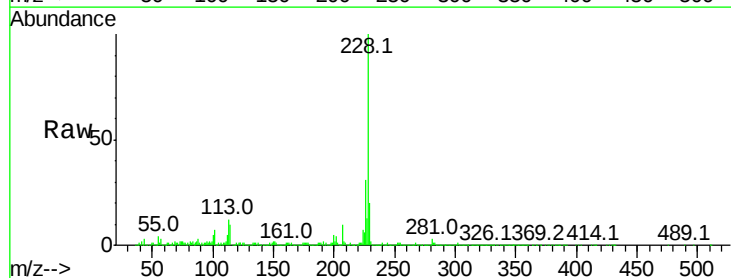
Manual Integrations
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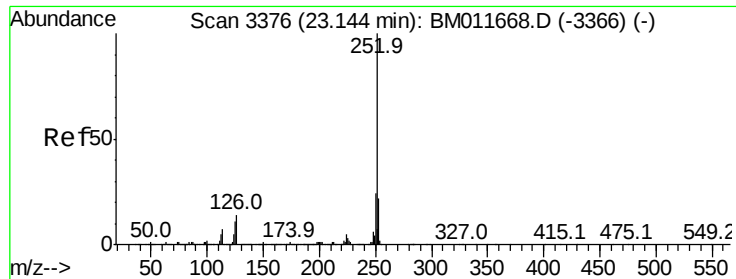
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#85
Chrysene
Concen: 7.886 ng/ul
RT: 21.53 min Scan# 3102
Delta R.T. -0.00 min
Lab File: BM011677.D
Acq: 22 Sep 2017 05:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.1	36.1
229	20.5	16.0	24.0





#88

Benzo(b)fluoranthene

Concen: 9.408 ng/ul

RT: 23.15 min Scan# 3377

Delta R.T. 0.01 min

Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

Instrument :

BNA_M

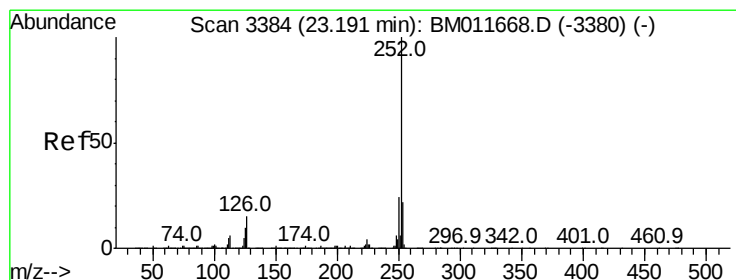
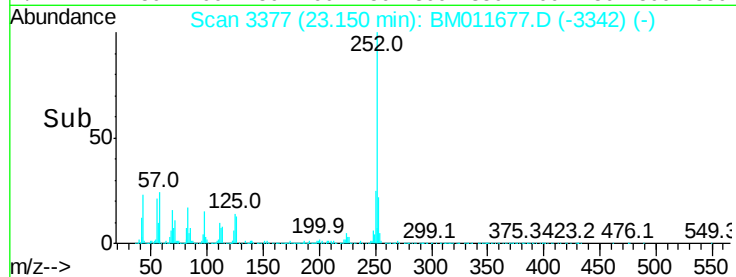
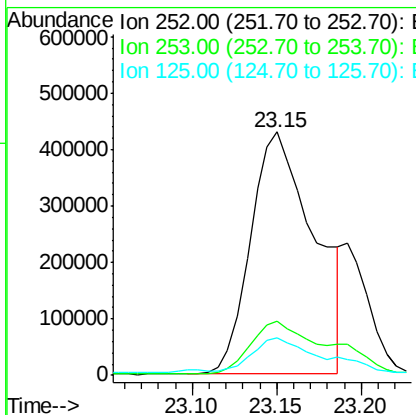
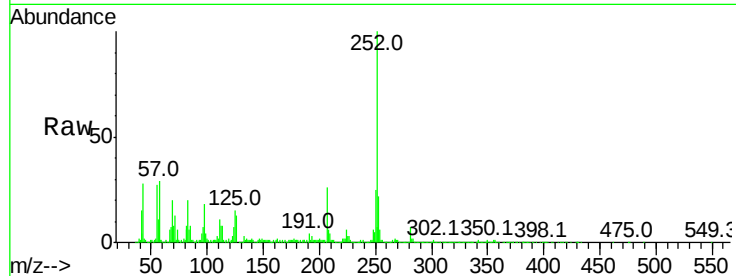
ClientSampled :

CB3C8

Tot Ion:	252	Resp:	1122536
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.0
125	15.4	4.9	7.3#

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 2.208 ng/ul m

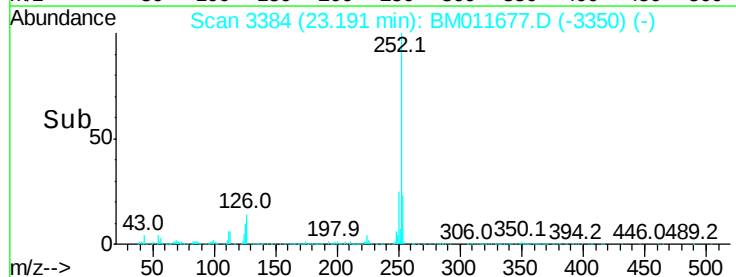
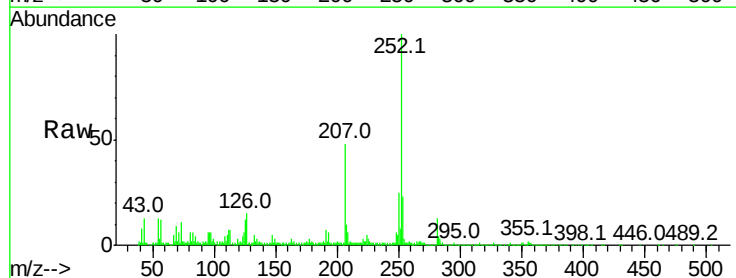
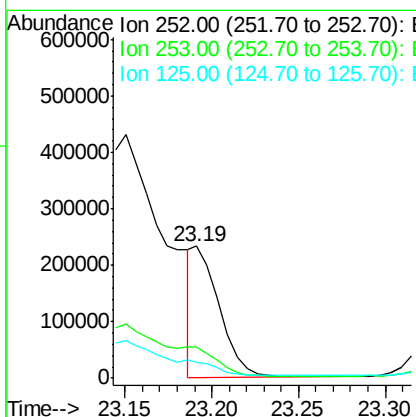
RT: 23.19 min Scan# 3384

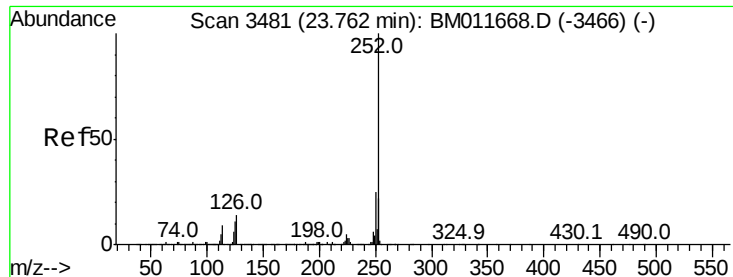
Delta R.T. -0.00 min

Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

Tgt Ion:	252	Resp:	253005
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.1	25.7
125	11.8	5.4	8.0#





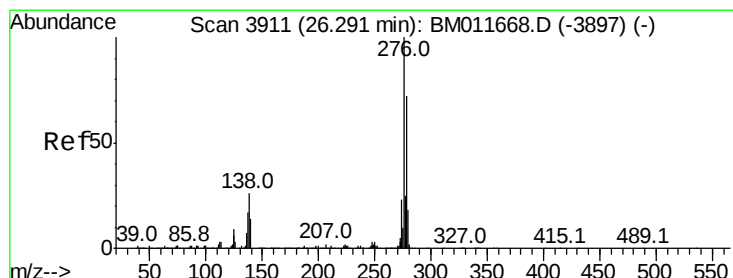
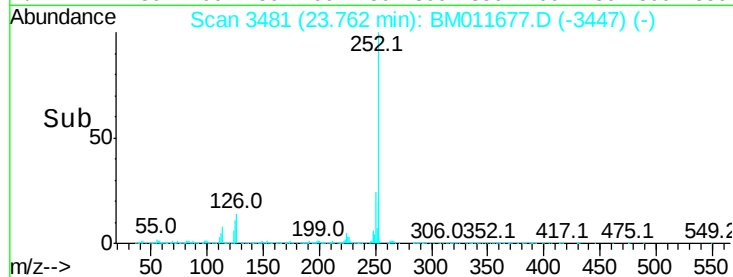
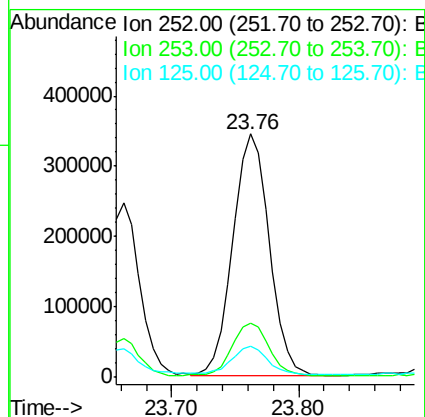
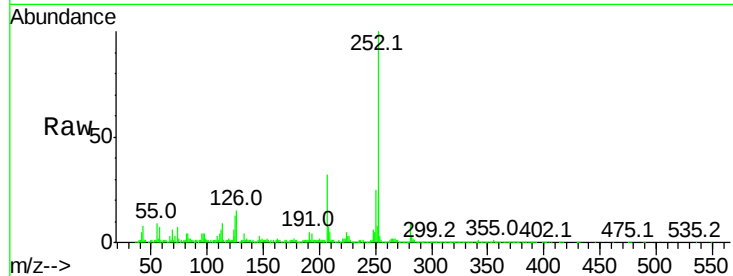
#91
Benzo(a)pyrene
Concen: 6.043 ng/ul
RT: 23.76 min Scan# 3481
Delta R.T. -0.00 min
Lab File: BM011677.D
Acq: 22 Sep 2017 05:20

Instrument :
BNA_M
ClientSampleId :
CB3C8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	12.7	5.8	8.6

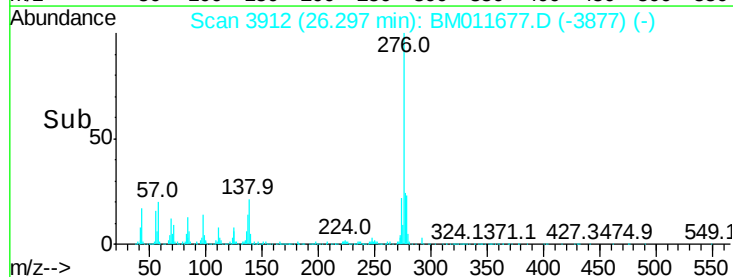
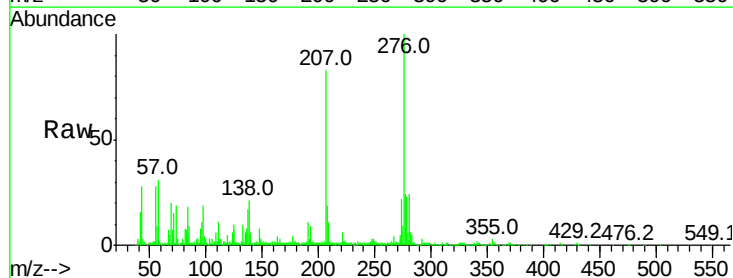
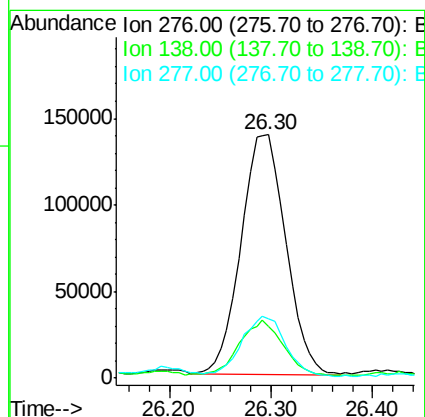
Manual Integrations
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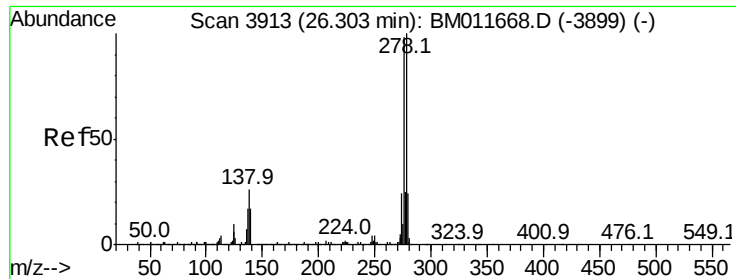
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#92
Indeno(1,2,3-cd)pyrene
Concen: 3.452 ng/ul
RT: 26.30 min Scan# 3912
Delta R.T. 0.01 min
Lab File: BM011677.D
Acq: 22 Sep 2017 05:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.4	10.9	16.3
277	24.2	18.9	28.3





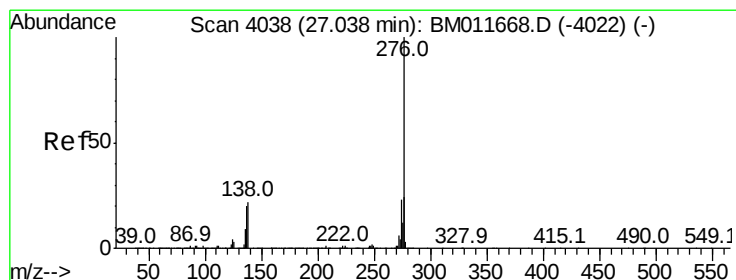
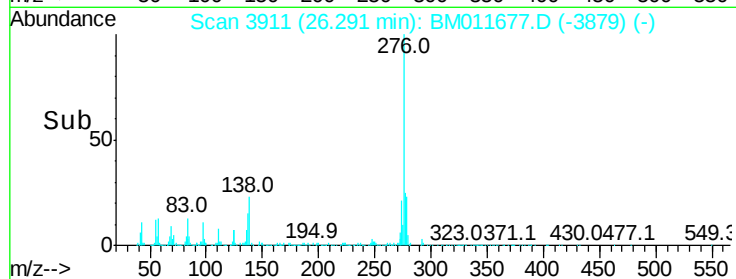
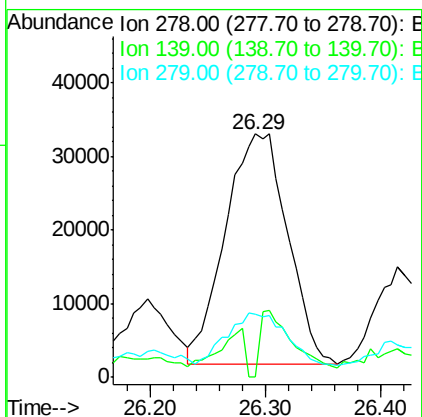
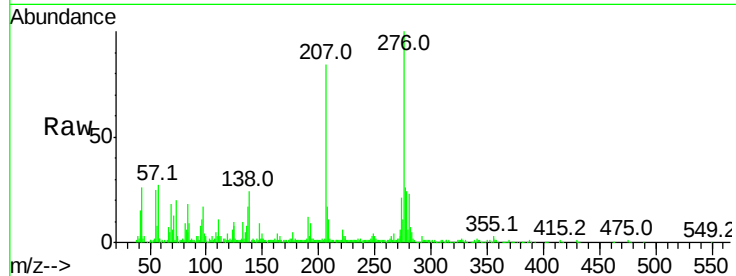
#93
Dibenzo(a,h)anthracene
Concen: 1.113 ng/ul
RT: 26.29 min Scan# 3911
Delta R.T. -0.01 min
Lab File: BM011677.D
Acq: 22 Sep 2017 05:20

Instrument :
BNA_M
ClientSampleId :
CB3C8

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.0	13.4#
279	25.8	19.1	28.7

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 3.600 ng/ul
RT: 27.04 min Scan# 4039
Delta R.T. 0.01 min
Lab File: BM011677.D
Acq: 22 Sep 2017 05:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	11.2	16.8#
277	24.1	19.0	28.6

