

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
 Data File : BM011672.D
 Acq On : 22 Sep 2017 02:18
 Operator : SJ/JU
 Sample : I5283-18
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 CB3C1

Manual Integrations
 APPROVED

Sohil
 9/22/2017 4:06:29 PM

Quant Time: Sep 22 09:01:01 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	465942	20.00	ng/ul	0.00
18) Naphthalene-d8	10.76	136	2099854	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	1159739	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	2453347	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	1923323	20.00	ng/ul	0.00
86) Perylene-d12	23.86	264	1576100	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	45288	4.37	ng/uL	0.00
5) Phenol-d5	7.11	99	1114006	24.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.28	67	883354	29.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	905865	26.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.66	113	563145	16.12	ng/ul	0.00
19) Nitrobenzene-d5	9.12	128	473433	29.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	518131	31.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	875461	26.25	ng/ul	0.00
29) 4-Chloroaniline-d4	10.90	131	103632	2.81	ng/ul	0.00
44) Dimethylphthalate-d6	13.99	166	2927205	29.86	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	3550542	29.94	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	264630	14.36	ng/ul	0.00
58) Fluorene-d10	15.58	176	2512294	29.58	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.69	200	325744	22.82	ng/ul	0.00
71) Anthracene-d10	17.43	188	3661849	30.31	ng/ul	0.00
79) Pyrene-d10	19.72	212	3890351	43.20	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.71	264	2336987	31.11	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	7.14	94	59406	1.338 ng/ul#	85
28) Naphthalene	10.82	128	185232	1.701 ng/ul	97
34) 2-Methylnaphthalene	12.42	142	87699	1.085 ng/ul	99
45) Dimethylphthalate	14.04	163	710510	7.569 ng/ul#	99
50) Acenaphthene	14.66	153	183827	2.280 ng/ul	100
54) Dibenzofuran	14.99	168	167801	1.488 ng/ul	100
59) Fluorene	15.63	166	198711	2.102 ng/ul	99
70) Phenanthrene	17.37	178	3166518	23.156 ng/ul	99
72) Anthracene	17.47	178	636981	4.539 ng/ul	98
75) Carbazole	17.73	167	297640	2.486 ng/ul	97
77) Fluoranthene	19.38	202	4953849	35.220 ng/ul#	91
80) Pyrene	19.74	202	4276149	38.107 ng/ul#	88
83) Benzo(a)anthracene	21.48	228	1921650	18.146 ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.39	149	152353	1.922 ng/ul#	95
85) Chrysene	21.53	228	1790959	18.655 ng/ul	97
88) Benzo(b)fluoranthene	23.14	252	2141433	22.585 ng/ul#	90
89) Benzo(k)fluoranthene	23.19	252	616361m	6.769 ng/ul	
91) Benzo(a)pyrene	23.76	252	1368533	15.291 ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	26.29	276	913864	9.283 ng/ul#	91
93) Dibenz(a,h)anthracene	26.29	278	243272	2.914 ng/ul#	90
94) Benzo(a,h,i)perylene	27.04	276	876349	10.992 ng/ul#	93

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Manual Integrations
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 22 08:34:40 2017
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

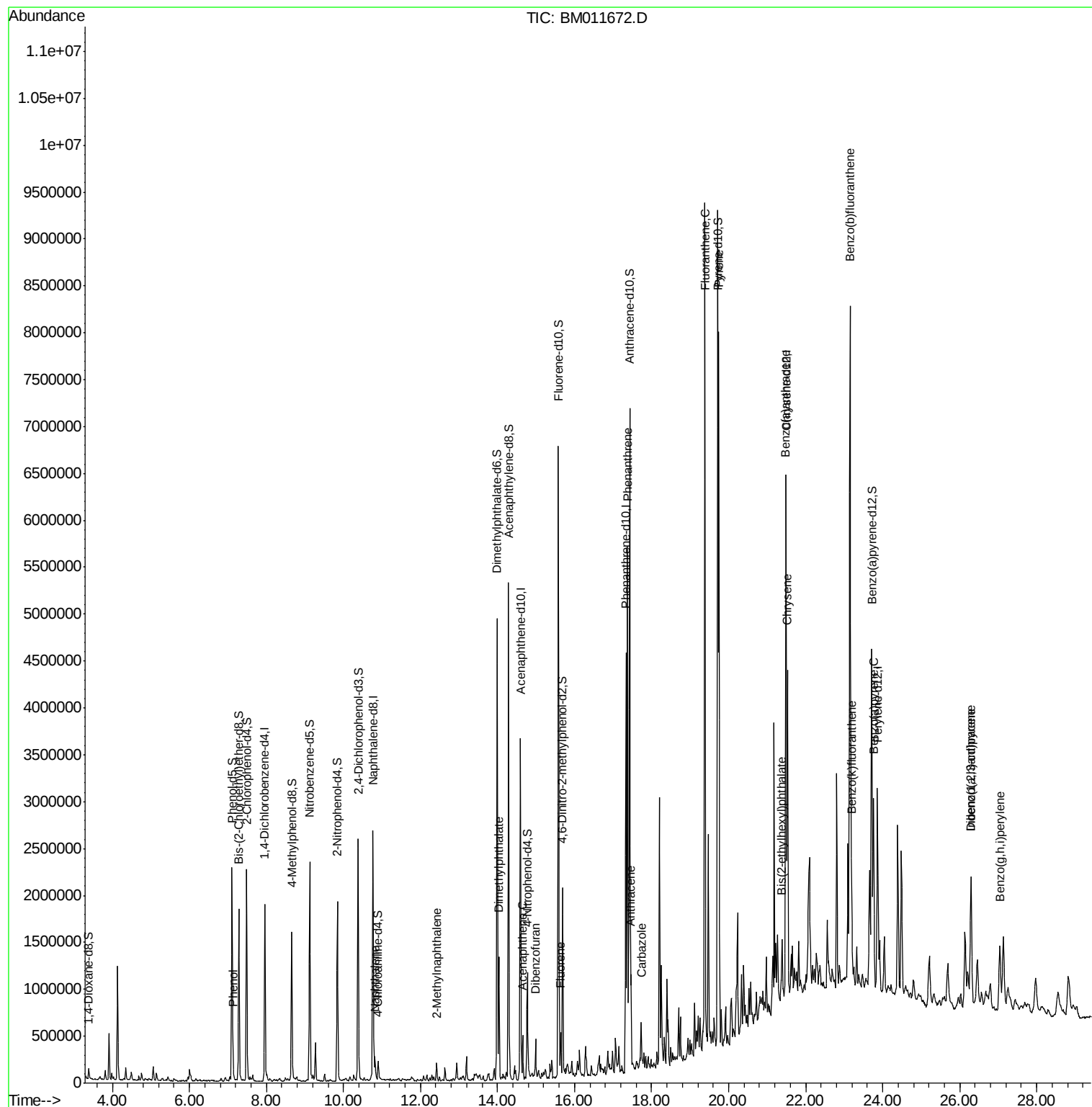
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
Data File : BM011672.D
Acq On : 22 Sep 2017 02:18
Operator : SJ/JU
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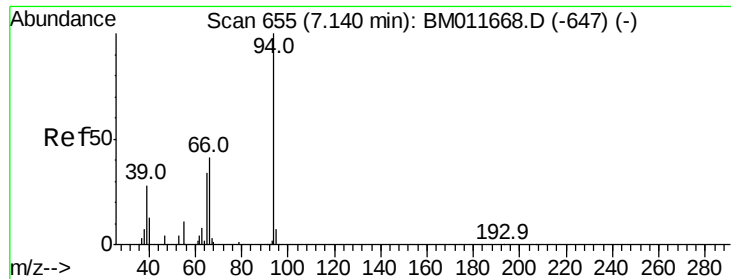
Instrument :
BNA_M
ClientSampleId :
CB3C1

Manual Integrations
APPROVED

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Quant Time: Sep 22 09:01:01 2017
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#6

Phenol

Concen: 1.338 ng/ul

RT: 7.14 min Scan# 655

Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

Instrument :

BNA_M

ClientSampled :

CB3C1

Tot Ion: 94 Resp: 59406

Ion Ratio Lower Upper

94 100

65 36.4 23.0 34.6#

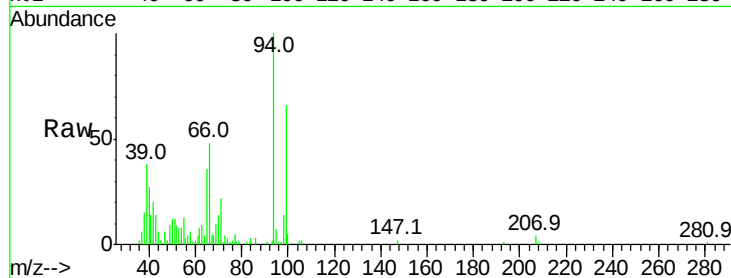
66 47.5 30.4 45.6#

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): BM011668.D (-647) (-)

Ion 65.00 (64.70 to 65.70): BM011668.D (-647) (-)

Ion 66.00 (65.70 to 66.70): BM011668.D (-647) (-)

Time-->

7.05 7.10 7.15 7.20

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7.05 7.10 7.15 7.20

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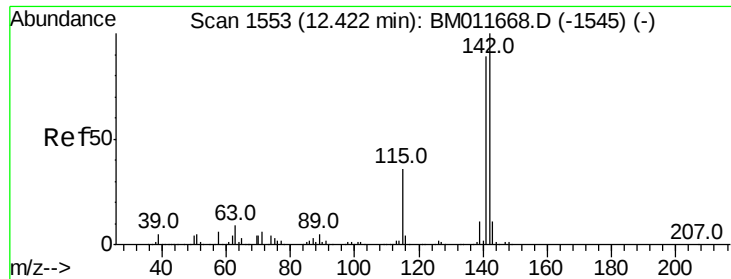
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0

7.05 7.10 7.15 7.20

7.14

40000



#34

2-Methylnaphthalene

Concen: 1.085 ng/ul

RT: 12.42 min Scan# 1553

Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

Instrument :

BNA_M

ClientSampleId :

CB3C1

Tot Ion:142 Resp: 87699

Ion Ratio Lower Upper

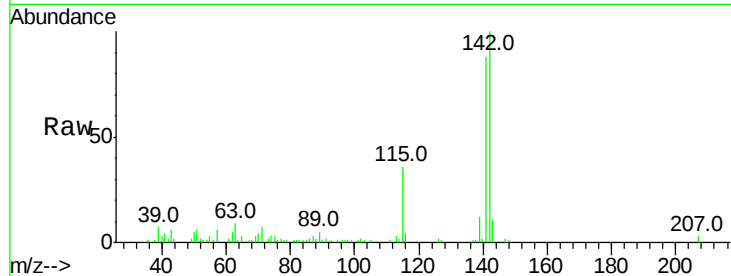
142 100

141 88.3 71.4 107.2

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

60000

50000

40000

30000

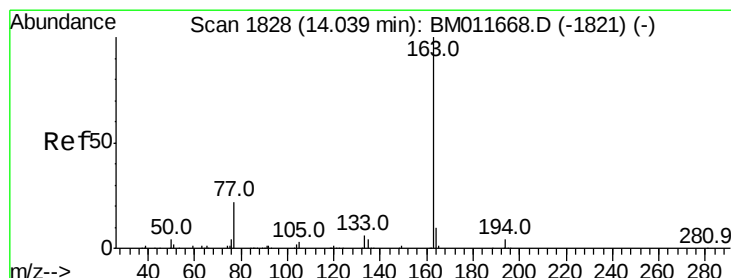
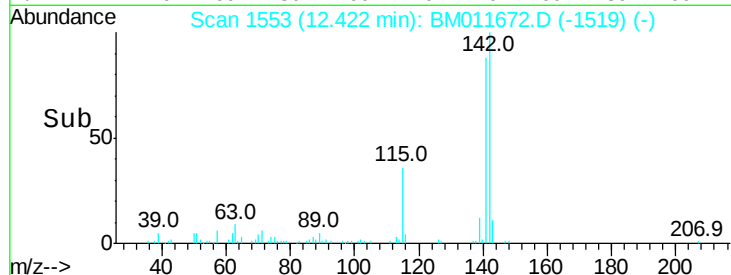
20000

10000

0

12.35 12.40 12.45

Time-->



#45

Dimethylphthalate

Concen: 7.569 ng/ul

RT: 14.04 min Scan# 1828

Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

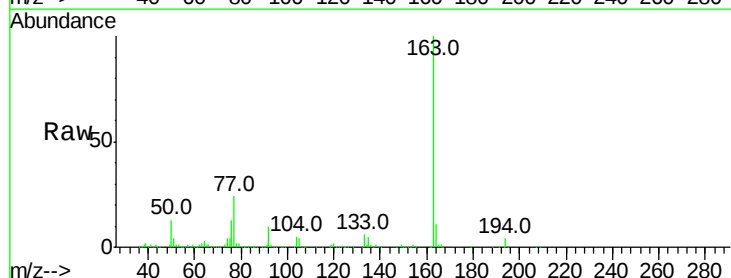
Tgt Ion:163 Resp: 710510

Ion Ratio Lower Upper

163 100

194 3.7 4.0 6.0#

164 10.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

600000

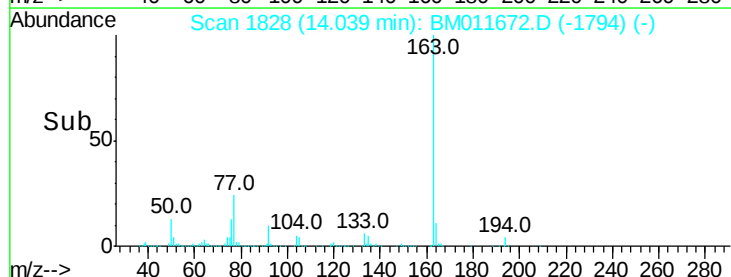
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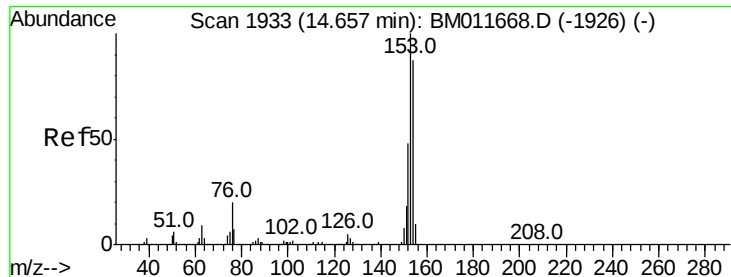
200000

0

14.00 14.05 14.10

Time-->





#50

Acenaphthene

Concen: 2.280 ng/ul

RT: 14.66 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

Instrument :

BNA_M

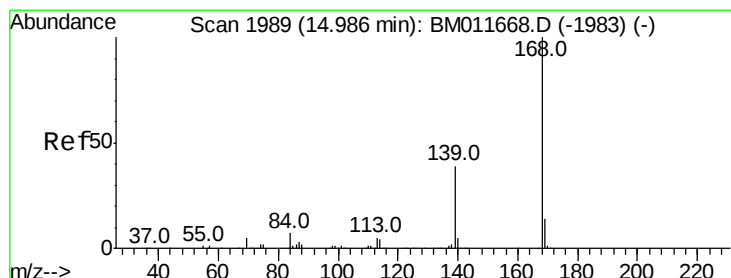
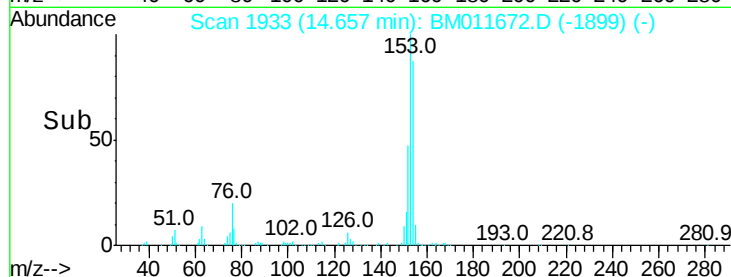
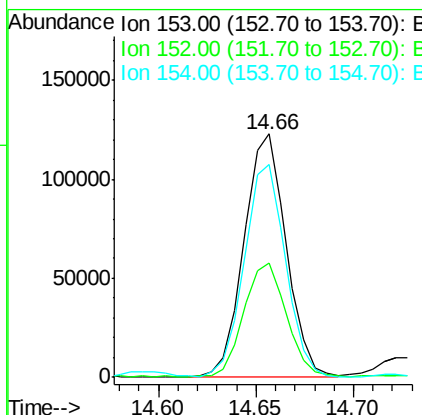
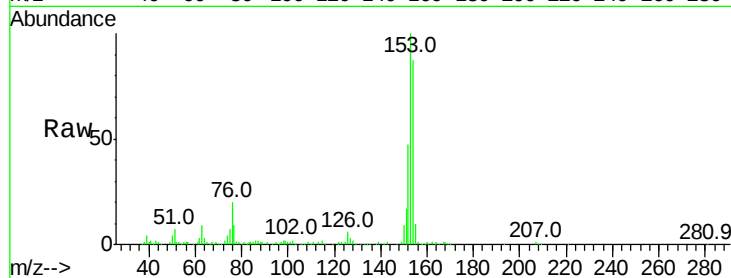
ClientSampleId :

CB3C1

Tot Ion:153	Resp:	183827
Ion Ratio	Lower	Upper
153	100	
152	47.1	37.9 56.9
154	87.3	69.8 104.6

Manual Integrations
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#54

Dibenzofuran

Concen: 1.488 ng/ul

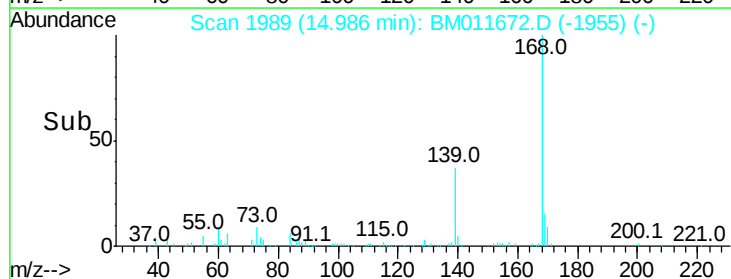
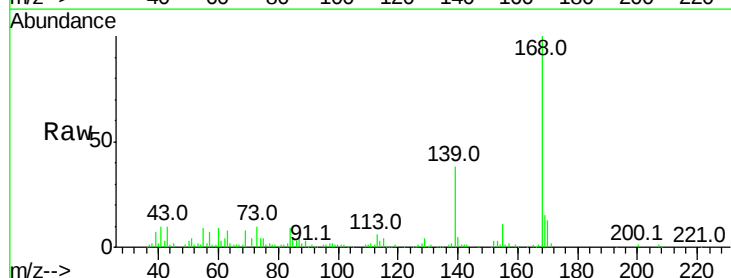
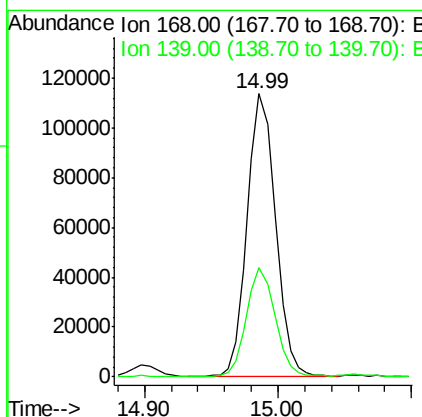
RT: 14.99 min Scan# 1989

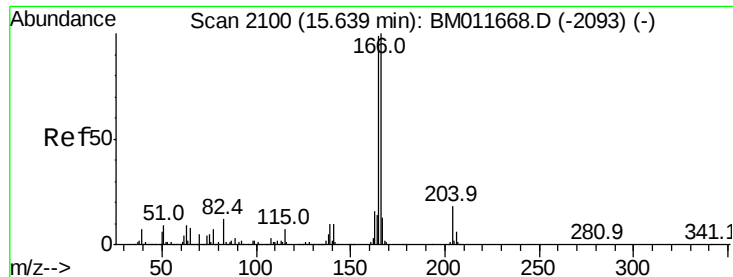
Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

Tgt Ion:168	Resp:	167801
Ion Ratio	Lower	Upper
168	100	
139	38.5	31.0 46.4





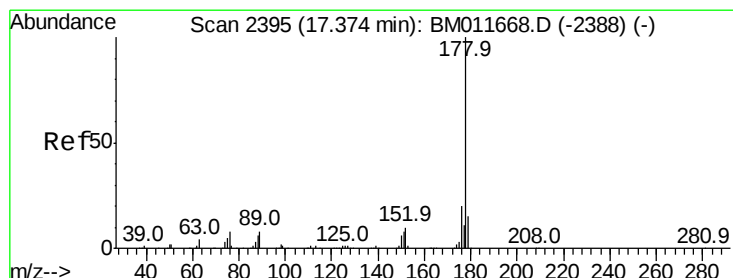
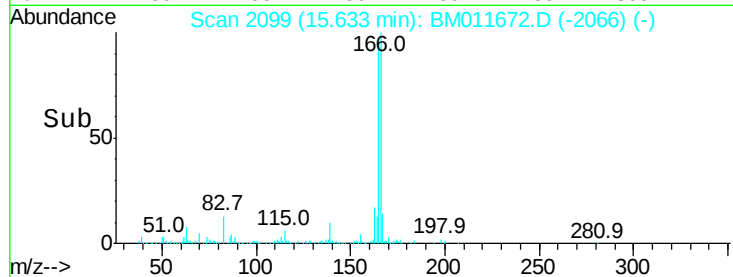
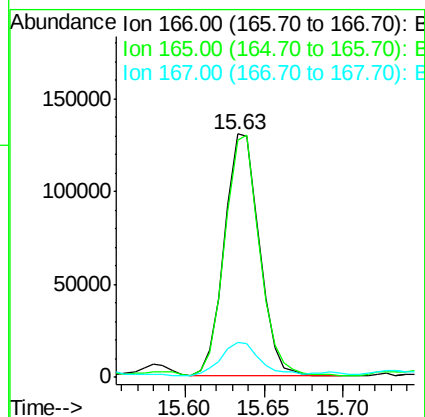
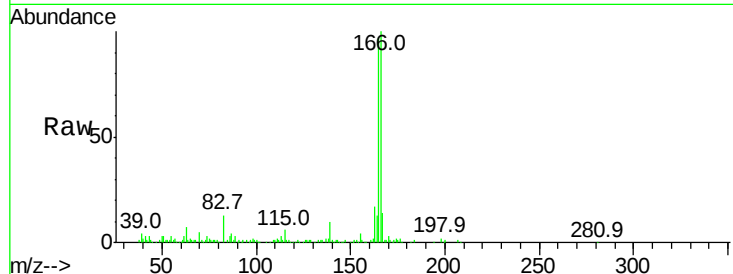
#59
Fluorene
 Concen: 2.102 ng/ul
 RT: 15.63 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: BM011672.D
 Acq: 22 Sep 2017 02:18

Instrument :
 BNA_M
 ClientSampleId :
 CB3C1

Tot Ion:	166	Resp:	198711
Ion Ratio	Lower	Upper	
166	100		
165	97.4	78.4	117.6
167	14.3	11.1	16.7

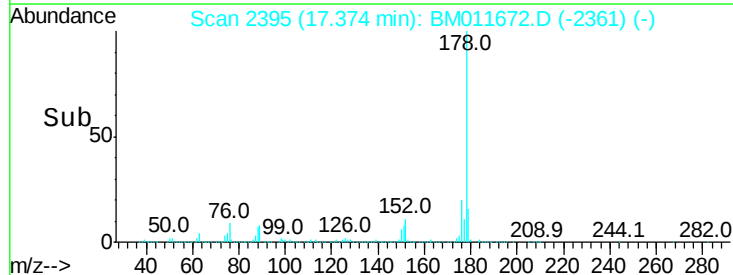
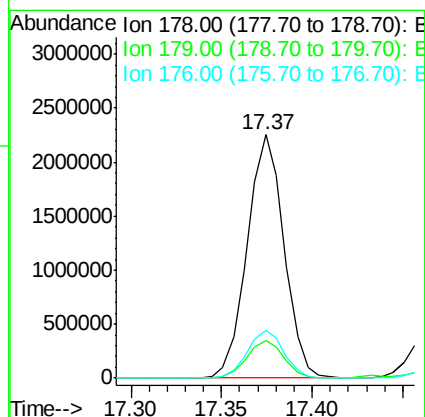
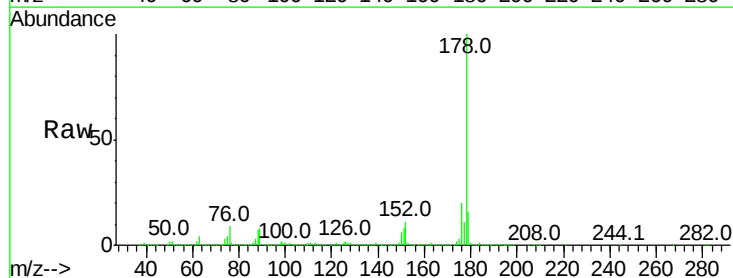
Manual Integrations
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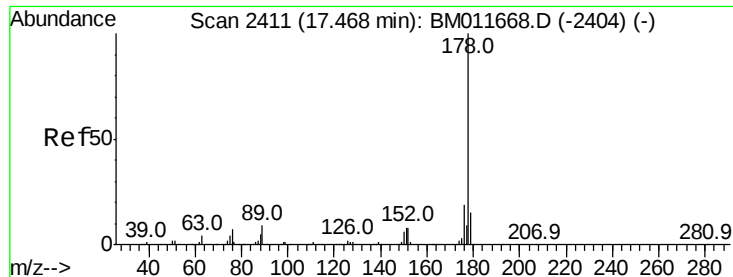
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#70
Phenanthrene
 Concen: 23.156 ng/ul
 RT: 17.37 min Scan# 2395
 Delta R.T. -0.00 min
 Lab File: BM011672.D
 Acq: 22 Sep 2017 02:18

Tgt Ion:	178	Resp:	3166518
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.3	18.5
176	19.7	15.4	23.0





#72

Anthracene

Concen: 4.539 ng/ul

RT: 17.47 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

Instrument :

BNA_M

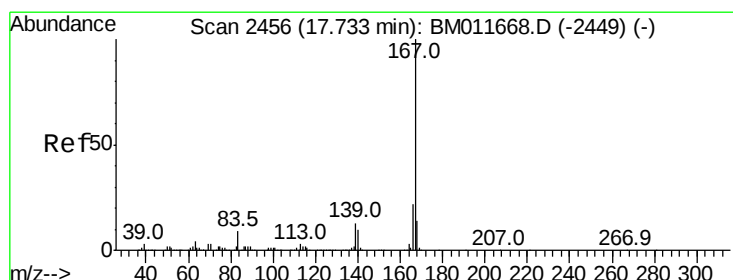
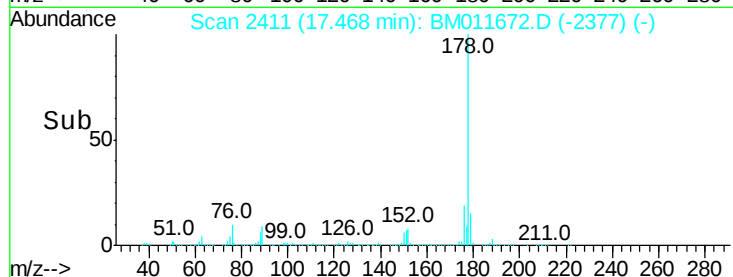
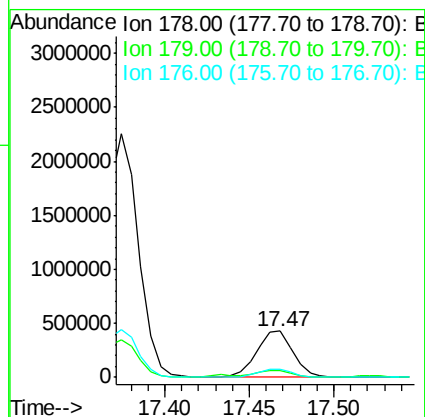
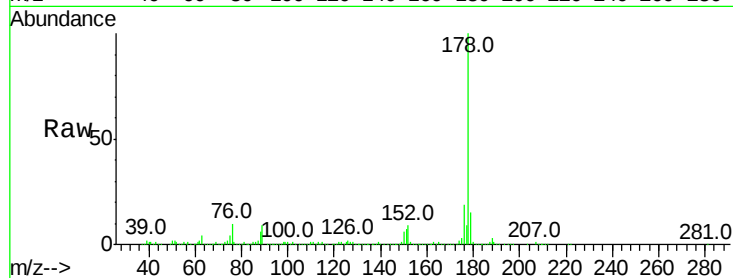
ClientSampleId :

CB3C1

Tot Ion:	178	Resp:	636981
Ion Ratio	Lower	Upper	
178	100		
179	15.5	13.4	20.2
176	18.7	15.4	23.0

Manual Integrations
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#75

Carbazole

Concen: 2.486 ng/ul

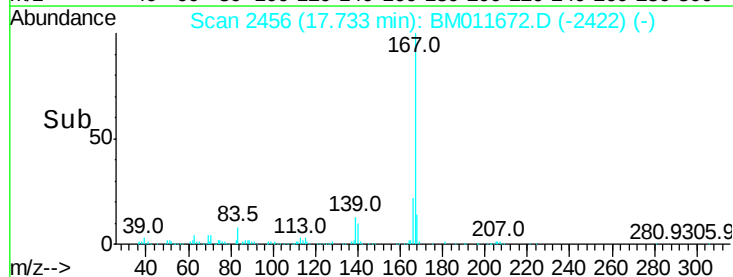
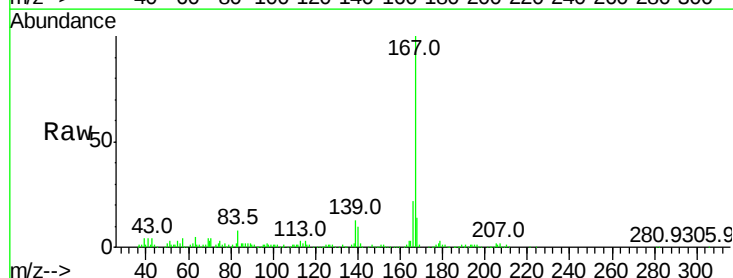
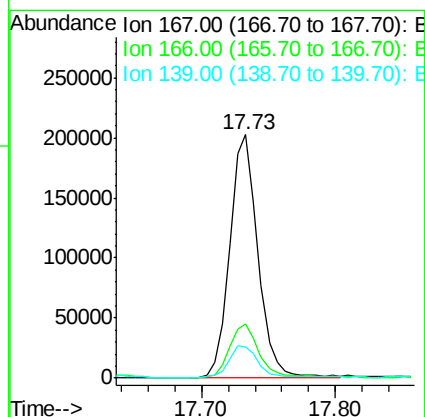
RT: 17.73 min Scan# 2456

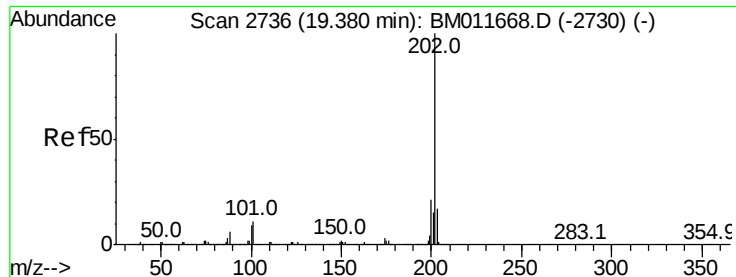
Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

Tgt Ion:	167	Resp:	297640
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.0	25.4
139	12.9	9.1	13.7





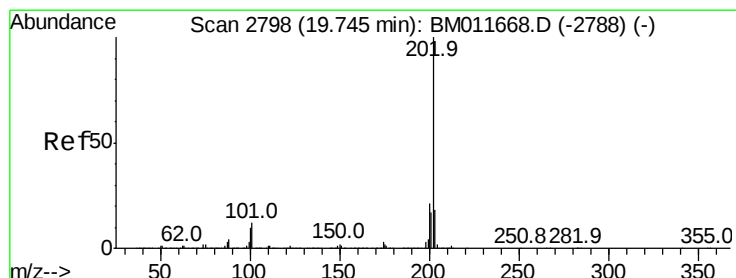
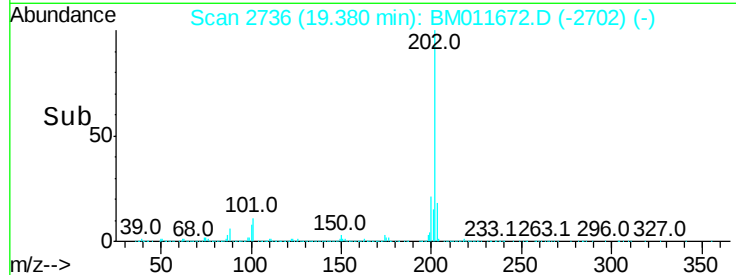
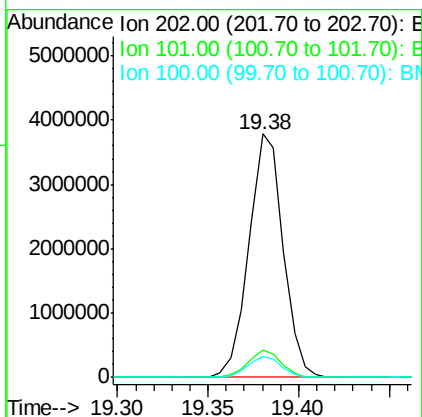
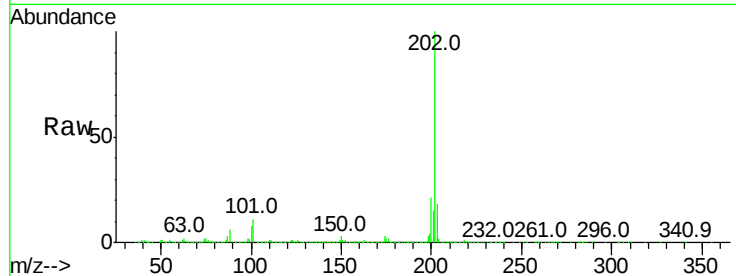
#77
Fluoranthene
 Concen: 35.220 ng/ul
 RT: 19.38 min Scan# 2736
 Delta R.T. -0.00 min
 Lab File: BM011672.D
 Acq: 22 Sep 2017 02:18

Instrument :
 BNA_M
 ClientSampled :
 CB3C1

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	6.1	9.1#
100	8.5	4.6	7.0#

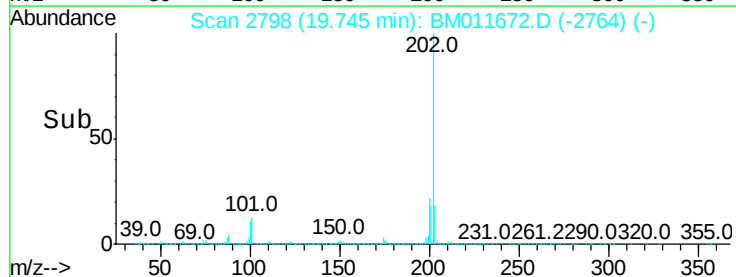
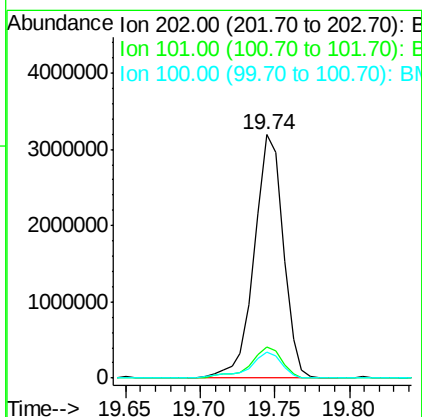
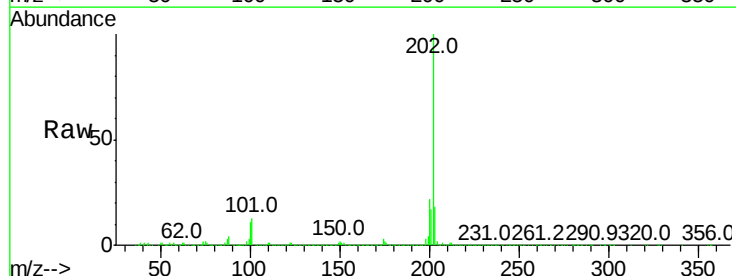
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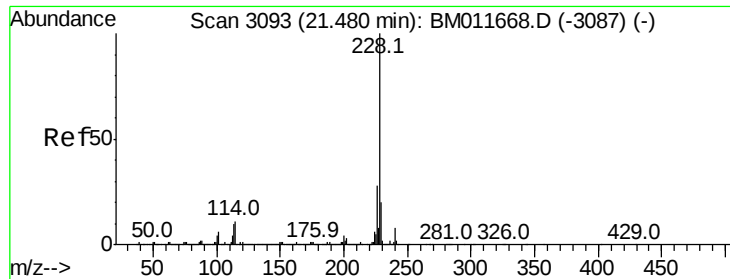
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#80
Pyrene
 Concen: 38.107 ng/ul
 RT: 19.74 min Scan# 2798
 Delta R.T. -0.00 min
 Lab File: BM011672.D
 Acq: 22 Sep 2017 02:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	6.9	10.3#
100	10.8	5.6	8.4#





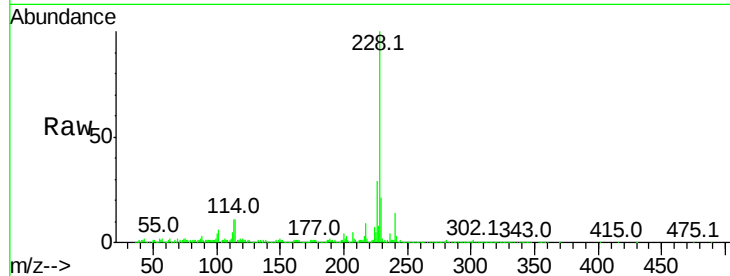
#83
Benzo(a)anthracene
Concen: 18.146 ng/ul
RT: 21.48 min Scan# 3093
Delta R.T. -0.00 min
Lab File: BM011672.D
Acq: 22 Sep 2017 02:18

Instrument :
BNA_M
ClientSampled :
CB3C1

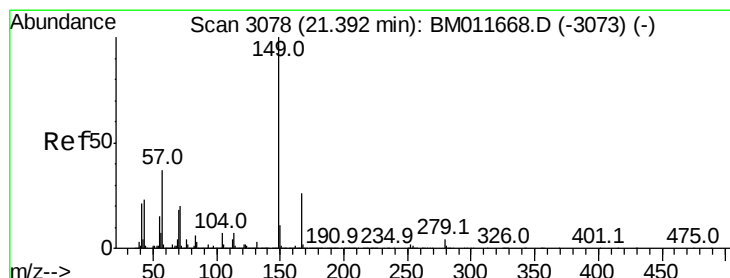
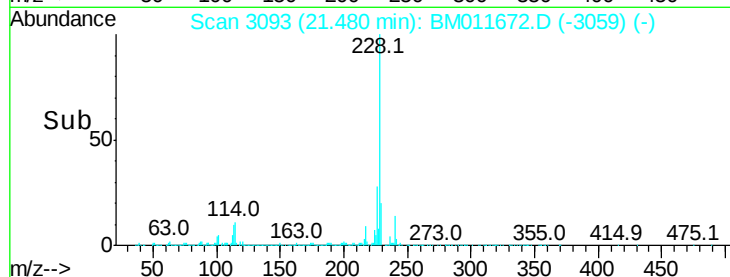
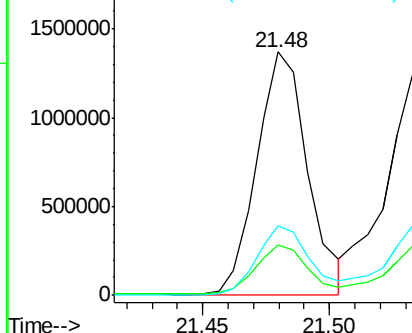
Tot Ion	Ratio	Lower	Upper
228	100		
229	20.6	16.0	24.0
226	28.7	21.8	32.8

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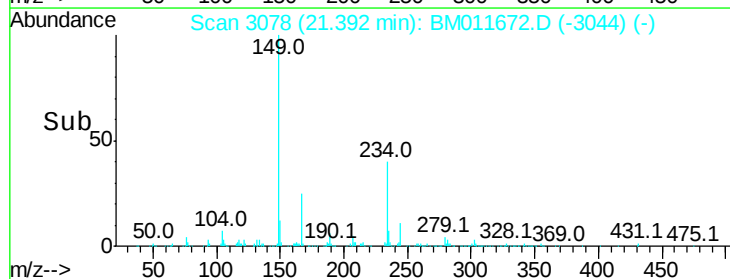
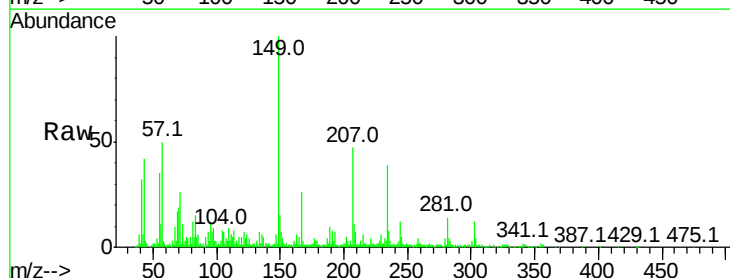
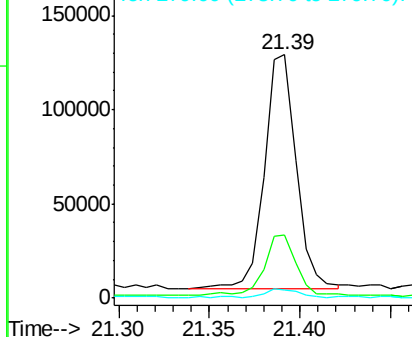
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

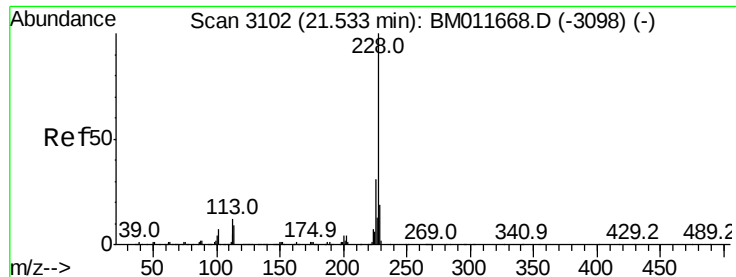


#84
Bis(2-ethylhexyl)phthalate
Concen: 1.922 ng/ul
RT: 21.39 min Scan# 3078
Delta R.T. -0.00 min
Lab File: BM011672.D
Acq: 22 Sep 2017 02:18

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.1	23.0	34.6
279	3.5	4.3	6.5

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





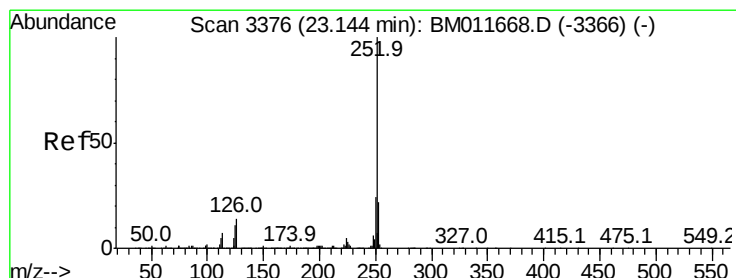
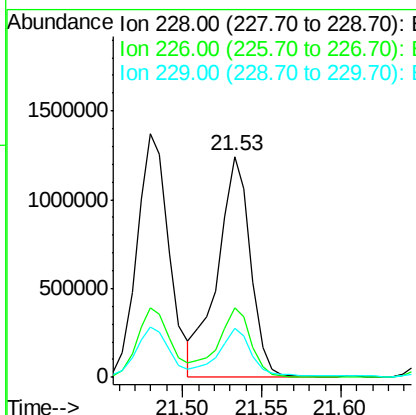
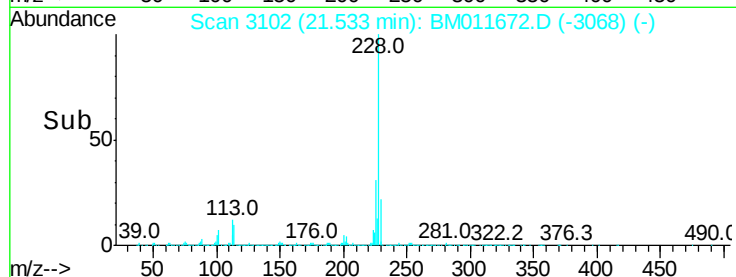
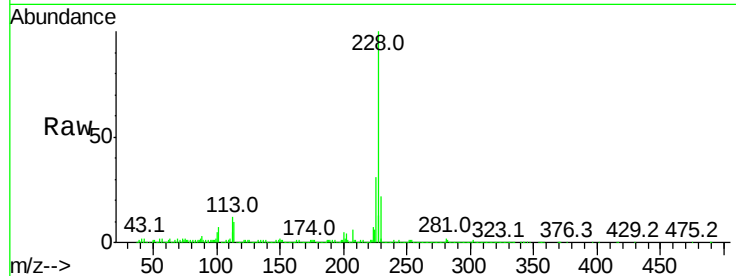
#85
Chrysene
Concen: 18.655 ng/ul
RT: 21.53 min Scan# 3102
Delta R.T. -0.00 min
Lab File: BM011672.D
Acq: 22 Sep 2017 02:18

Instrument :
BNA_M
ClientSampled :
CB3C1

Tot Ion:228 Resp: 1790959
Ion Ratio Lower Upper
228 100
226 31.2 24.1 36.1
229 22.3 16.0 24.0

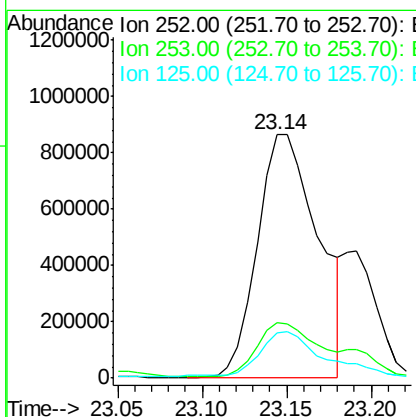
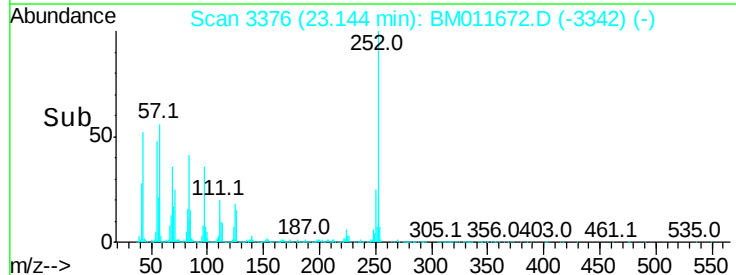
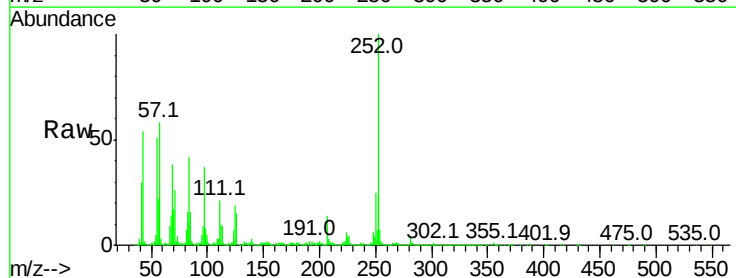
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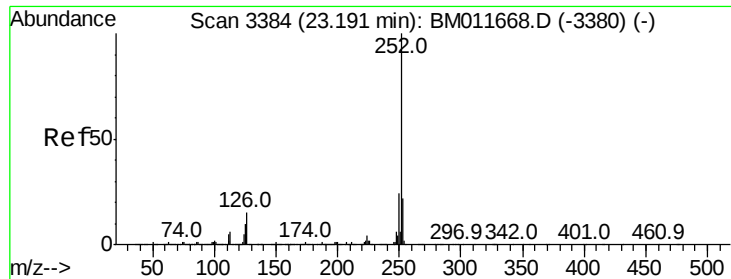
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#88
Benzo(b)fluoranthene
Concen: 22.585 ng/ul
RT: 23.14 min Scan# 3376
Delta R.T. -0.00 min
Lab File: BM011672.D
Acq: 22 Sep 2017 02:18

Tgt Ion:252 Resp: 2141433
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 18.7 4.9 7.3#





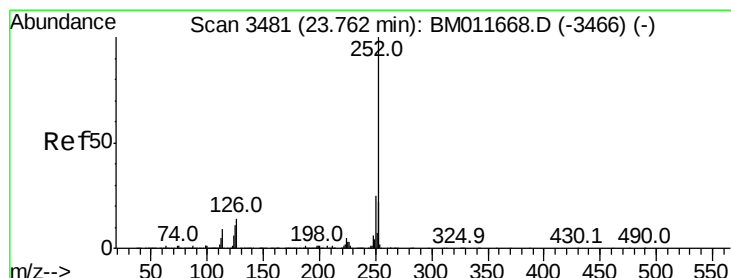
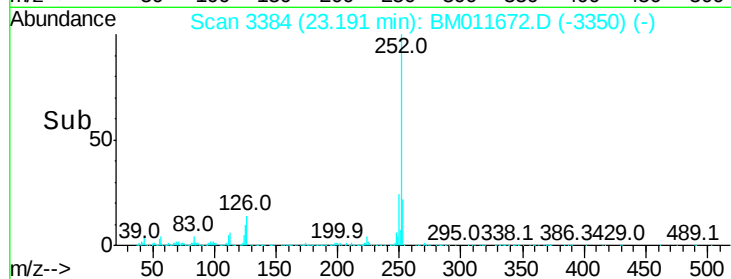
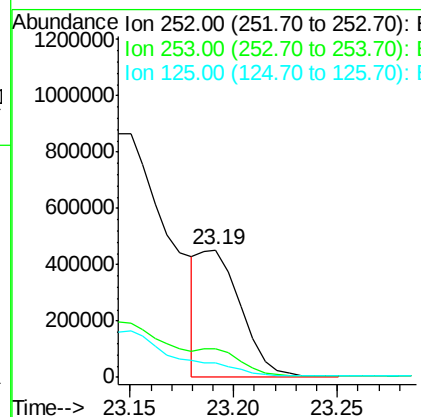
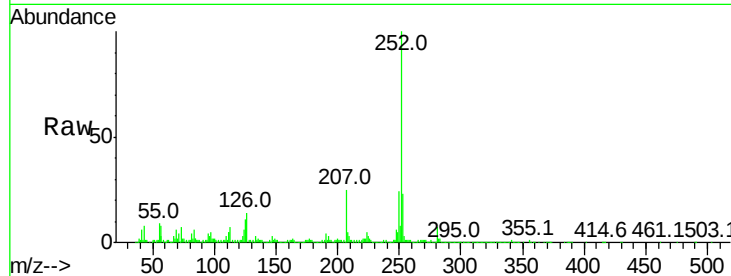
#89
Benzo(k)fluoranthene
Concen: 6.769 ng/ul m
RT: 23.19 min Scan# 3384
Delta R.T. -0.00 min
Lab File: BM011672.D
Acq: 22 Sep 2017 02:18

Instrument :
BNA_M
ClientSampled :
CB3C1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	11.1	5.4	8.0#

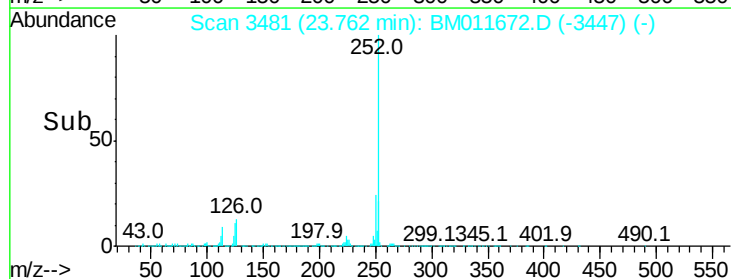
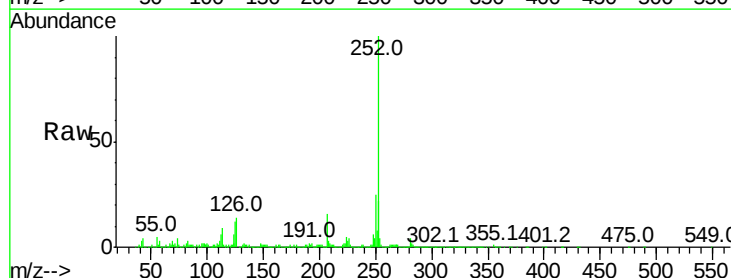
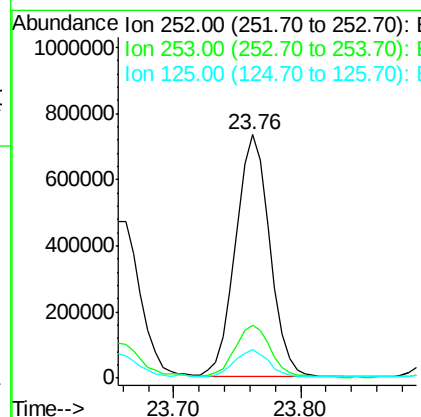
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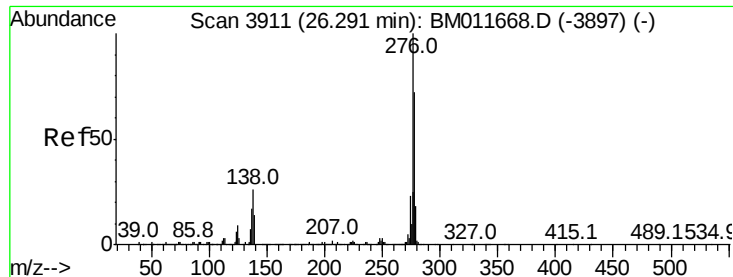
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#91
Benzo(a)pyrene
Concen: 15.291 ng/ul
RT: 23.76 min Scan# 3481
Delta R.T. -0.00 min
Lab File: BM011672.D
Acq: 22 Sep 2017 02:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	11.5	5.8	8.6#





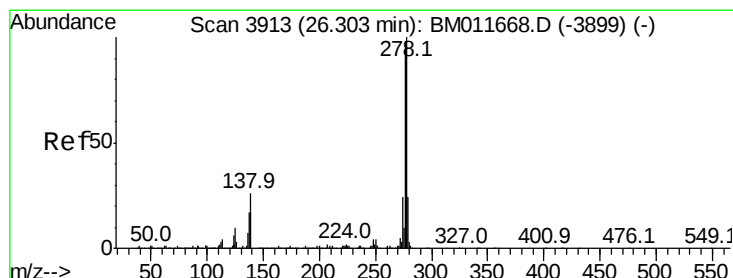
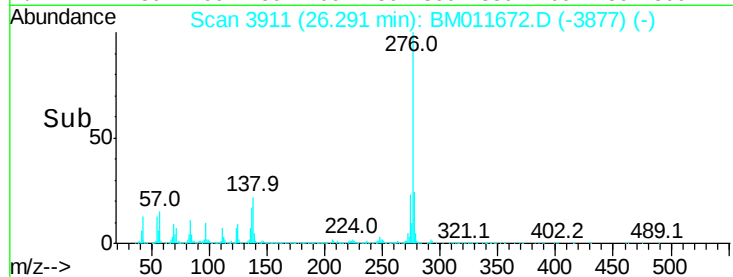
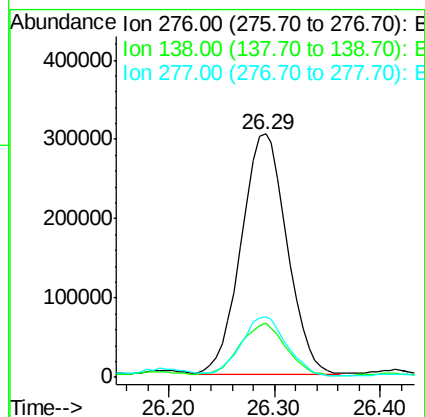
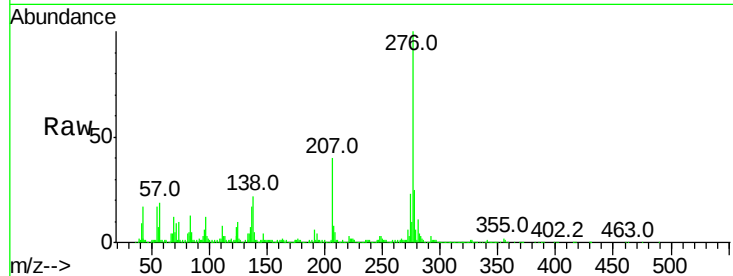
#92
Indeno(1,2,3-cd)pyrene
Concen: 9.283 ng/ul
RT: 26.29 min Scan# 3911
Delta R.T. -0.00 min
Lab File: BM011672.D
Acq: 22 Sep 2017 02:18

Instrument :
BNA_M
ClientSampleId :
CB3C1

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	10.9	16.3#
277	24.7	18.9	28.3

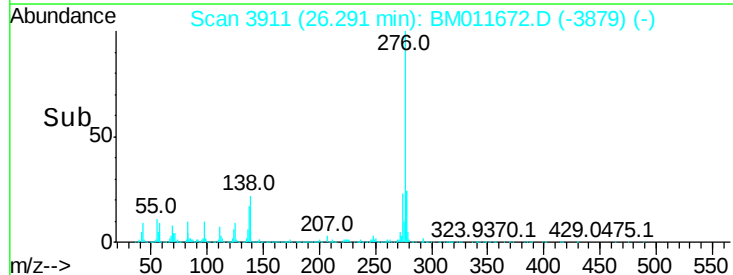
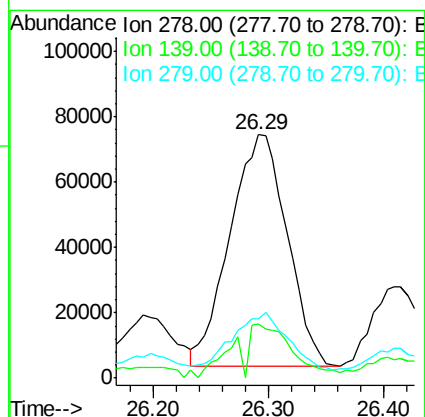
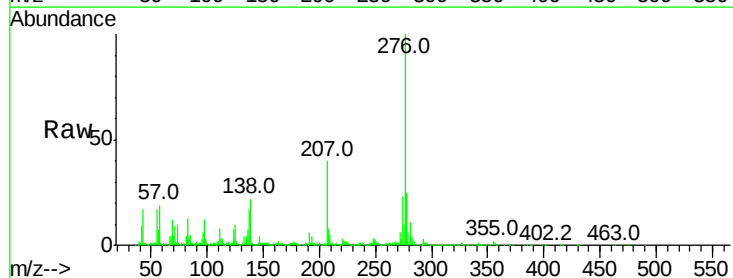
Manual Integrations
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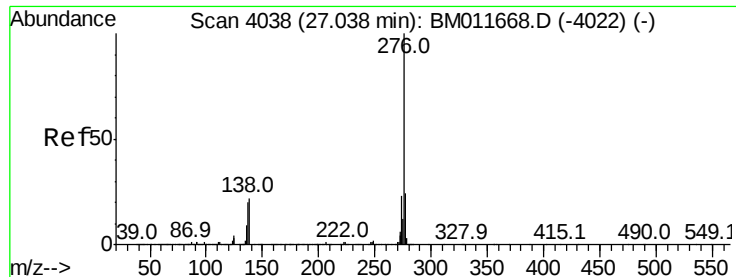
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#93
Dibenzo(a,h)anthracene
Concen: 2.914 ng/ul
RT: 26.29 min Scan# 3911
Delta R.T. -0.01 min
Lab File: BM011672.D
Acq: 22 Sep 2017 02:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.1	9.0	13.4#
279	24.6	19.1	28.7





#94

Benzo(a,h,i)perylene

Concen: 10.992 ng/ul

RT: 27.04 min Scan# 4039

Delta R.T. 0.01 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

Instrument :

BNA_M

ClientSampleId :

CB3C1

Tot Ion:	276	Resp:	876349
Ion Ratio	Lower	Upper	
276	100		
138	21.8	11.2	16.8#
277	23.7	19.0	28.6

Manual Integrations
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