

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092217\
 Data File : BM011686.D
 Acq On : 22 Sep 2017 10:59
 Operator : SJ/JU
 Sample : I5283-11
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB3B6

Manual Integrations
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Quant Time: Sep 23 00:04:52 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	548461	20.00	ng/ul	0.00
18) Naphthalene-d8	10.77	136	2460147	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	1381479	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	2842268	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	2228412	20.00	ng/ul	0.00
86) Perylene-d12	23.87	264	2413714	20.00	ng/ul	0.00

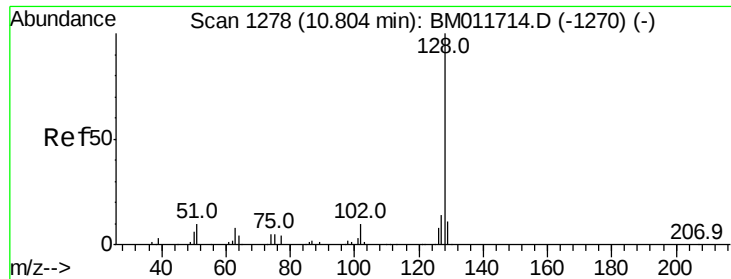
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	23509	1.93	ng/uL	0.00
5) Phenol-d5	7.11	99	506302	9.61	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.28	67	410232	11.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	434618	10.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.66	113	362317	8.81	ng/ul	0.00
19) Nitrobenzene-d5	9.12	128	217486	11.65	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	229428	11.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	395596	10.12	ng/ul	0.00
29) 4-Chloroaniline-d4	10.90	131	243807	5.65	ng/ul	0.00
44) Dimethylphthalate-d6	13.99	166	1306964	11.19	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	1601556	11.34	ng/ul	0.00
52) 4-Nitrophenol-d4	14.78	143	51062m	2.33	ng/ul	0.00
58) Fluorene-d10	15.58	176	1136995	11.24	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.69	200	69092	4.18	ng/ul	0.00
71) Anthracene-d10	17.43	188	1575922	11.26	ng/ul	0.00
79) Pyrene-d10	19.72	212	1564665	15.00	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.72	264	1221851	10.62	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.82	128	292406	2.292	ng/ul	99
34) 2-Methylnaphthalene	12.42	142	172633	1.822	ng/ul	97
35) 1-Methylnaphthalene	12.64	142	129464	1.435	ng/ul	94
45) Dimethylphthalate	14.04	163	383898	3.433	ng/ul#	98
50) Acenaphthene	14.66	153	208092	2.166	ng/ul	99
54) Dibenzofuran	14.99	168	144504	1.075	ng/ul	95
59) Fluorene	15.63	166	187910	1.669	ng/ul	97
70) Phenanthrene	17.37	178	3728828	23.537	ng/ul	99
72) Anthracene	17.47	178	586063	3.605	ng/ul	99
75) Carbazole	17.73	167	193148	1.393	ng/ul#	94
77) Fluoranthene	19.39	202	4112567	25.238	ng/ul#	94
80) Pyrene	19.75	202	4625583	35.577	ng/ul#	92
83) Benzo(a)anthracene	21.49	228	1878657	15.311	ng/ul	97
85) Chrysene	21.54	228	2073576	18.642	ng/ul	98
88) Benzo(b)fluoranthene	23.15	252	2718160	18.719	ng/ul#	91
89) Benzo(k)fluoranthene	23.20	252	746731m	5.355	ng/ul	
91) Benzo(a)pyrene	23.77	252	2071163	15.111	ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	26.31	276	1769088	11.734	ng/ul#	93
93) Dibenzo(a,h)anthracene	26.30	278	508275	3.976	ng/ul#	90
94) Benzo(g,h,i)perylene	27.07	276	2074404	16.989	ng/ul#	93

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



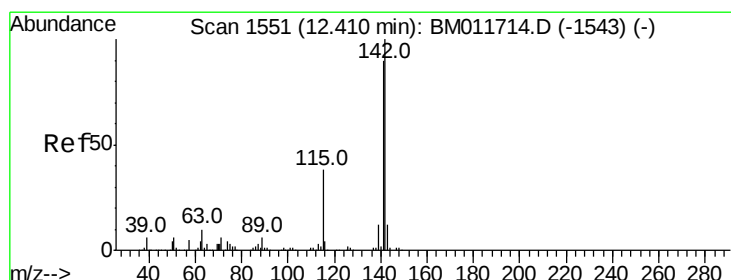
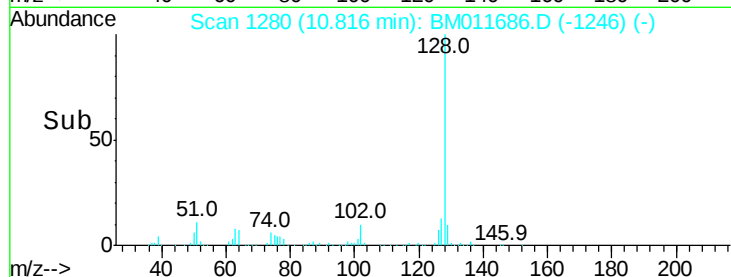
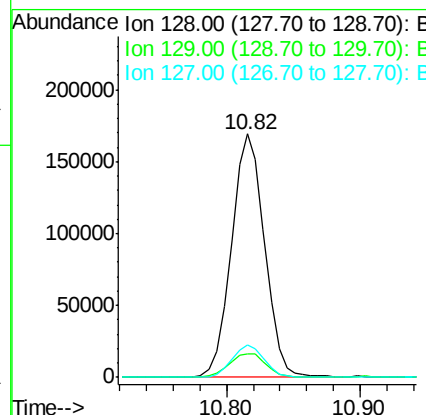
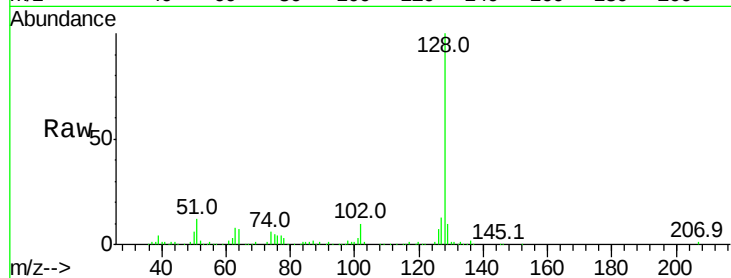
#28
Naphthalene
Concen: 2.292 ng/ul
RT: 10.82 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BM011686.D
Acq: 22 Sep 2017 10:59

Instrument :
BNA_M
ClientSampleId :
CB3B6

Tot Ion	Ratio	Resp	Lower	Upper
128	100	292406		
129	9.9		8.3	12.5
127	13.1		10.8	16.2

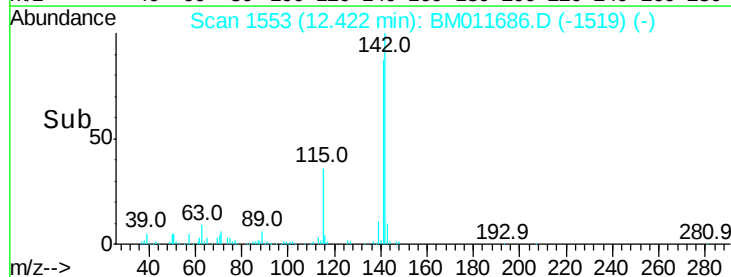
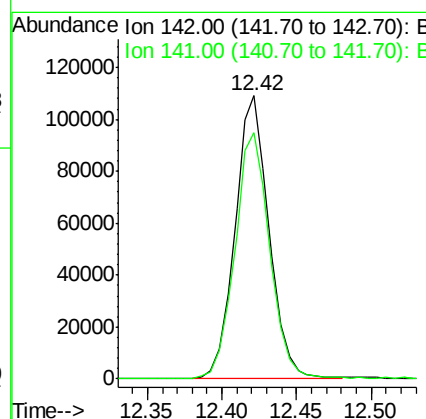
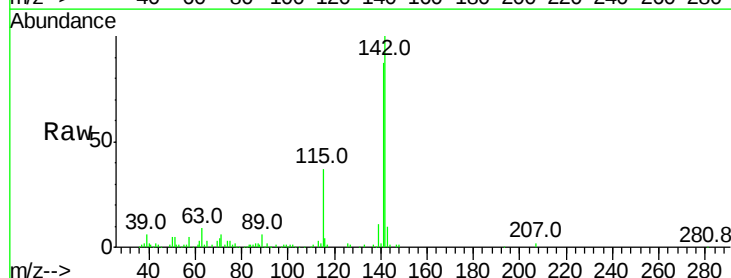
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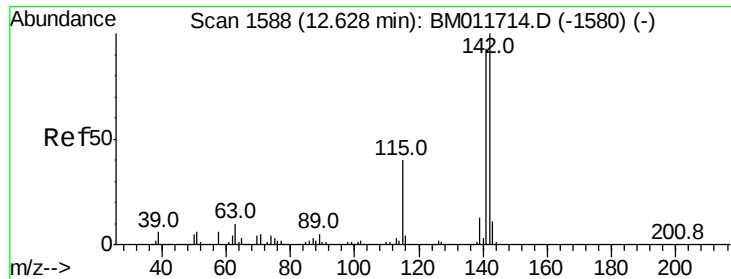
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#34
2-Methylnaphthalene
Concen: 1.822 ng/ul
RT: 12.42 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BM011686.D
Acq: 22 Sep 2017 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	172633		
141	86.8		71.4	107.2





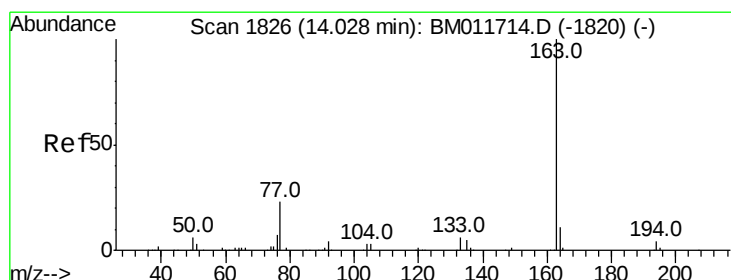
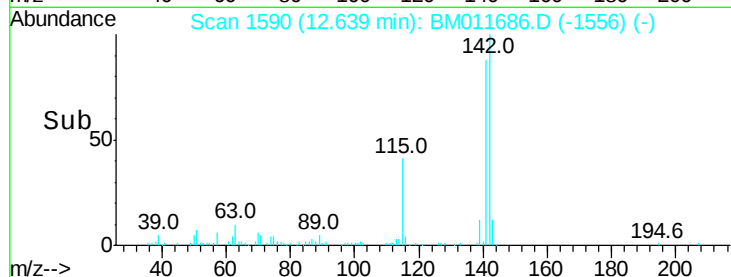
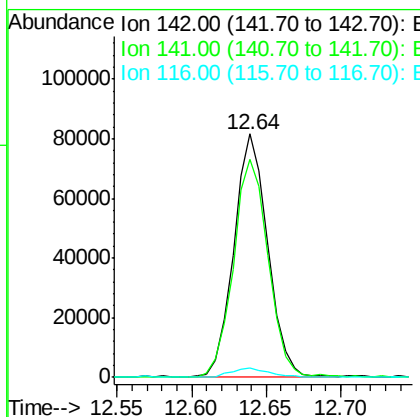
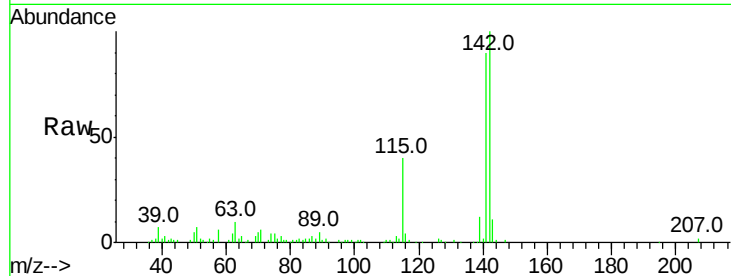
#35
1-Methylnaphthalene
Concen: 1.435 ng/ul
RT: 12.64 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BM011686.D
Acq: 22 Sep 2017 10:59

Instrument :
BNA_M
ClientSampled :
CB3B6

Tot Ion	Ratio	Resp	Lower	Upper
142	100	129464		
141	89.6	76.6	115.0	
116	3.7	3.6	5.4	

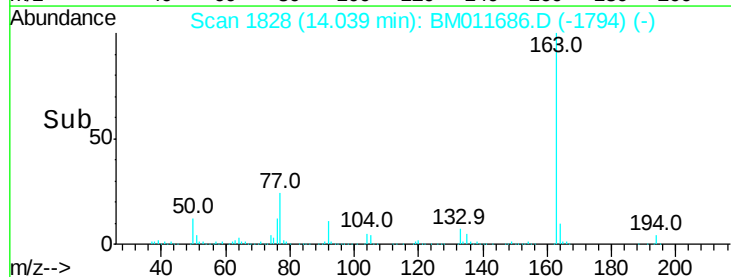
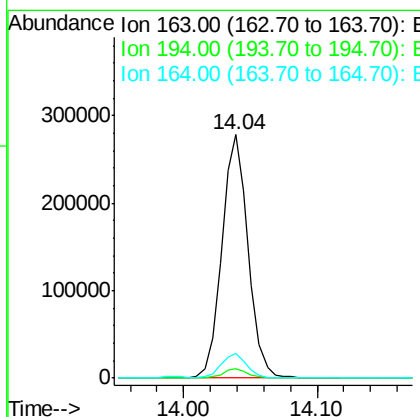
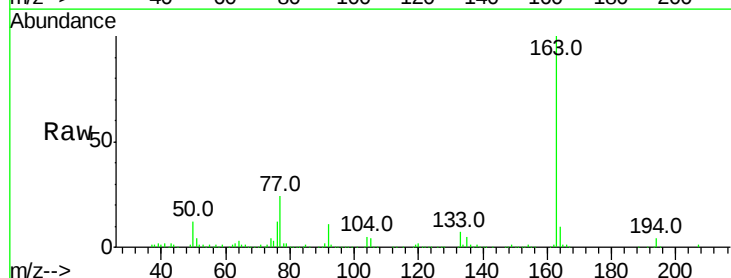
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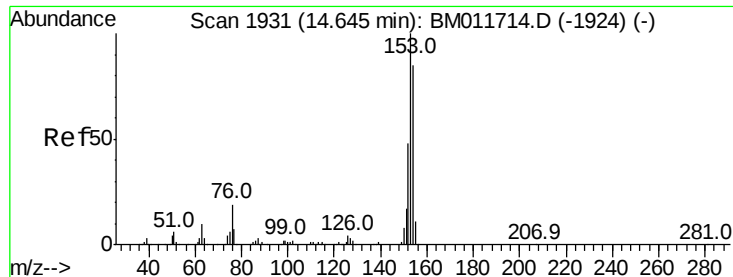
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#45
Dimethylphthalate
Concen: 3.433 ng/ul
RT: 14.04 min Scan# 1828
Delta R.T. 0.00 min
Lab File: BM011686.D
Acq: 22 Sep 2017 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	383898		
194	3.8	4.0	6.0#	
164	10.0	8.4	12.6	





#50

Acenaphthene

Concen: 2.166 ng/ul

RT: 14.66 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BM011686.D

Acq: 22 Sep 2017 10:59

Instrument :

BNA_M

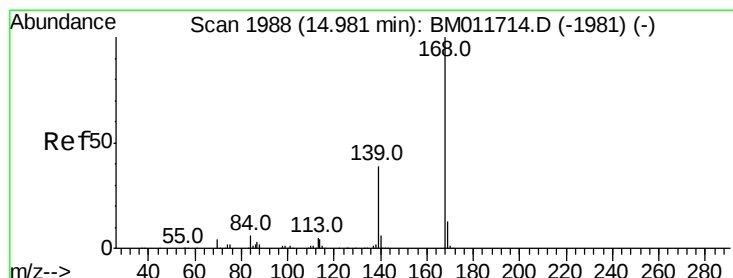
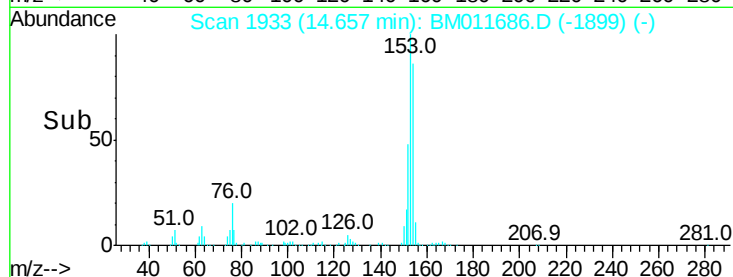
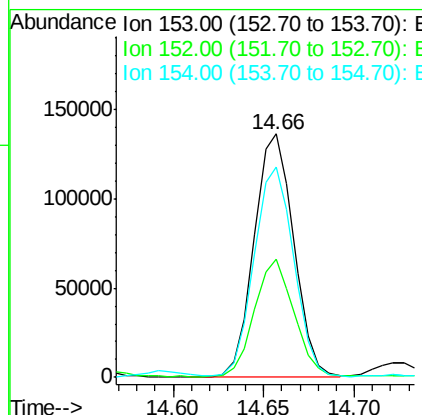
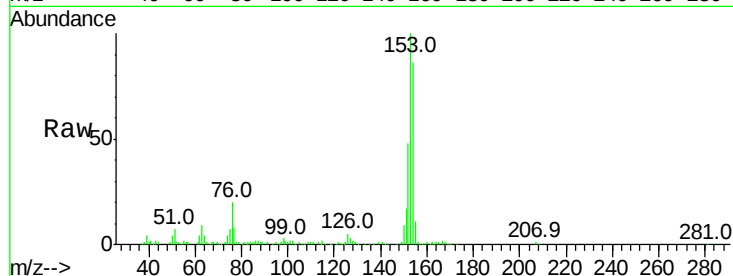
ClientSampleId :

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Tot Ion:	153	Resp:	208092
Ion Ratio	Lower	Upper	
153	100		
152	48.5	37.9	56.9
154	86.3	69.8	104.6

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#54

Dibenzofuran

Concen: 1.075 ng/ul

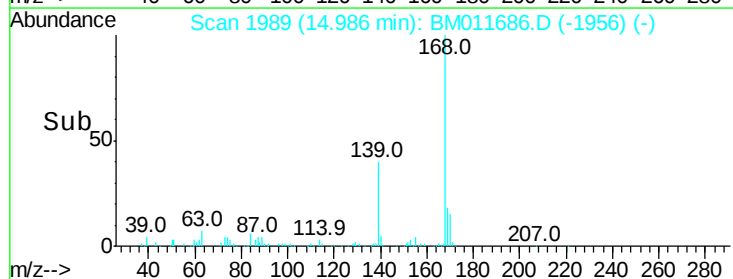
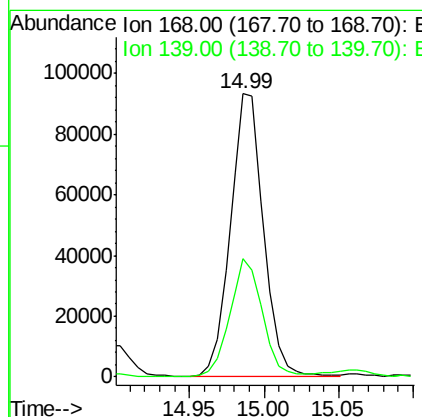
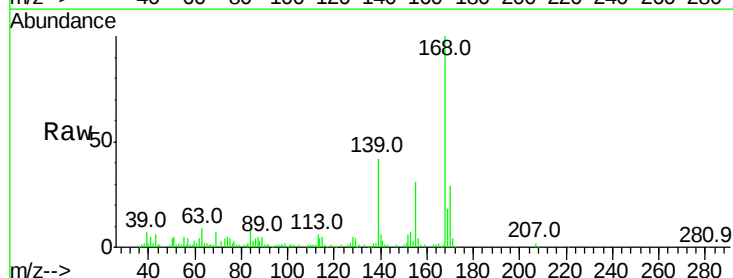
RT: 14.99 min Scan# 1989

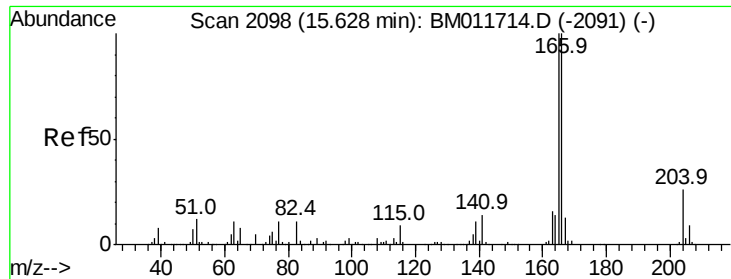
Delta R.T. -0.01 min

Lab File: BM011686.D

Acq: 22 Sep 2017 10:59

Tgt Ion:	168	Resp:	144504
Ion Ratio	Lower	Upper	
168	100		
139	41.7	31.0	46.4





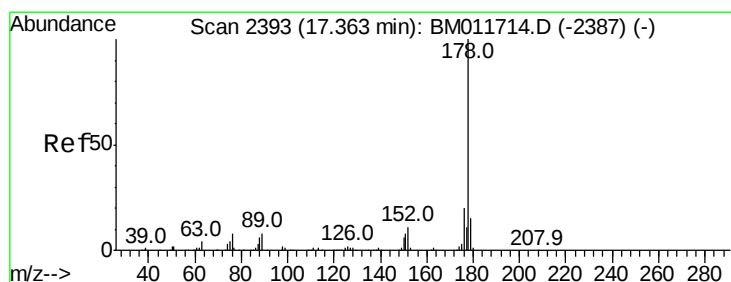
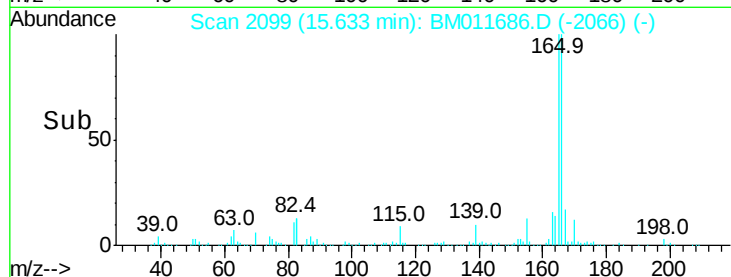
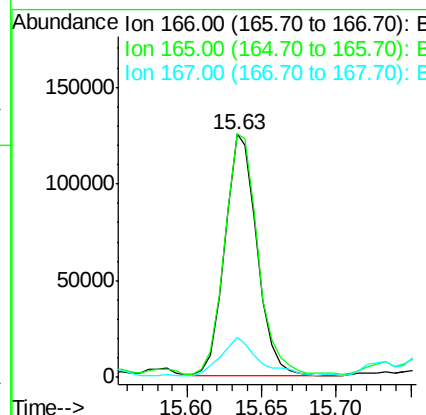
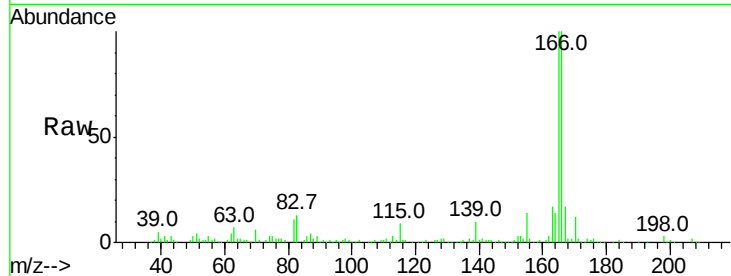
#59
Fluorene
 Concen: 1.669 ng/ul
 RT: 15.63 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: BM011686.D
 Acq: 22 Sep 2017 10:59

Instrument :
 BNA_M
 ClientSampleId :
 CB3B6

Tot Ion	Ratio	Resp	Lower	Upper
166	100	187910		
165	100.2	78.4	117.6	
167	16.5	11.1	16.7	

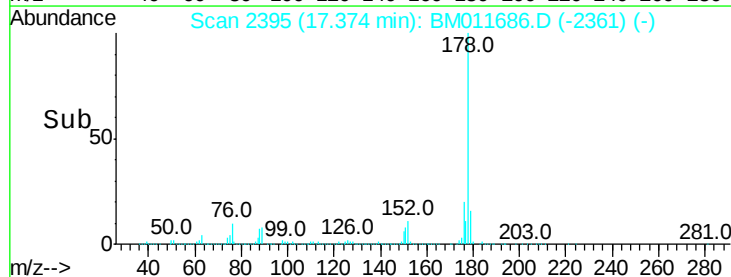
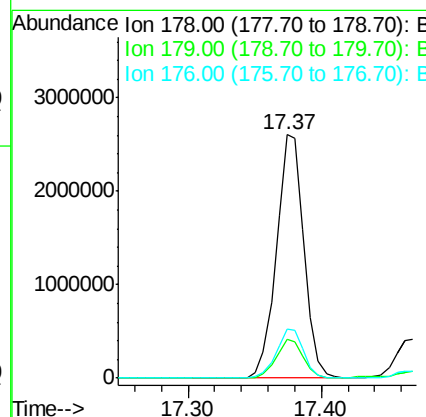
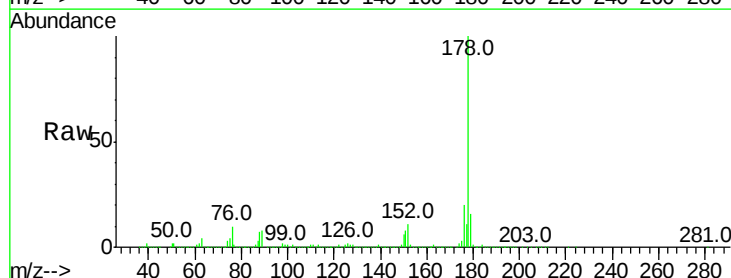
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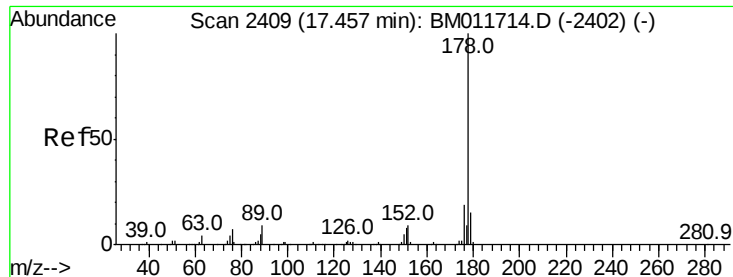
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#70
Phenanthrene
 Concen: 23.537 ng/ul
 RT: 17.37 min Scan# 2395
 Delta R.T. 0.00 min
 Lab File: BM011686.D
 Acq: 22 Sep 2017 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3728828		
179	15.9	12.3	18.5	
176	19.9	15.4	23.0	





#72

Anthracene

Concen: 3.605 ng/ul

RT: 17.47 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BM011686.D

Acq: 22 Sep 2017 10:59

Instrument :

BNA_M

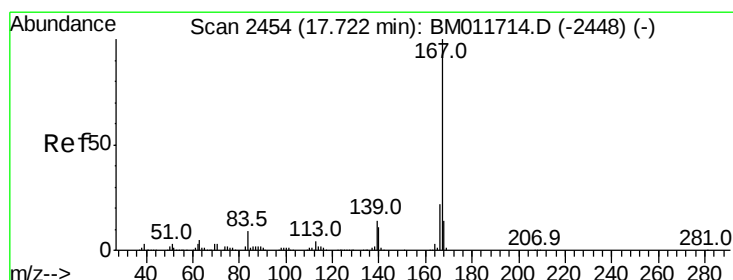
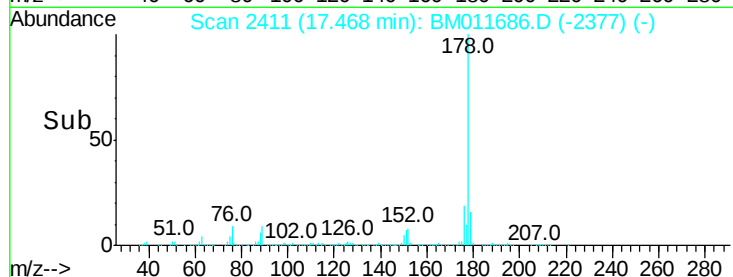
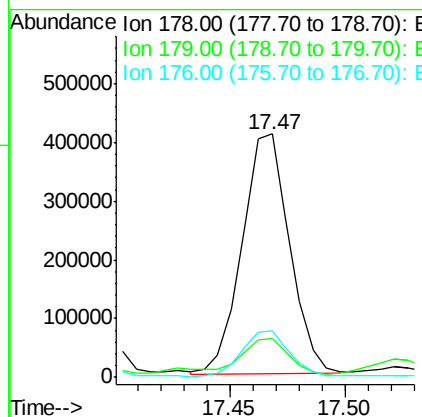
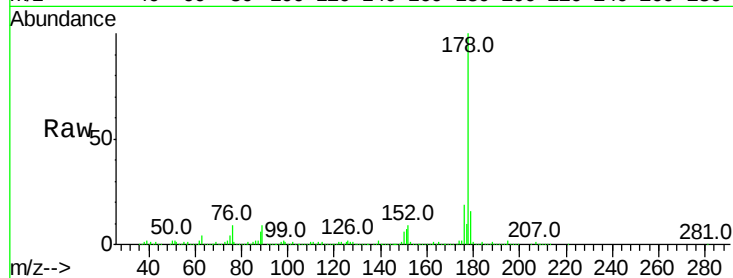
ClientSampled :

CB3B6

Tot Ion:	178	Resp:	586063
Ion Ratio	Lower	Upper	
178	100		
179	16.0	13.4	20.2
176	18.9	15.4	23.0

Manual Integrations
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#75

Carbazole

Concen: 1.393 ng/ul

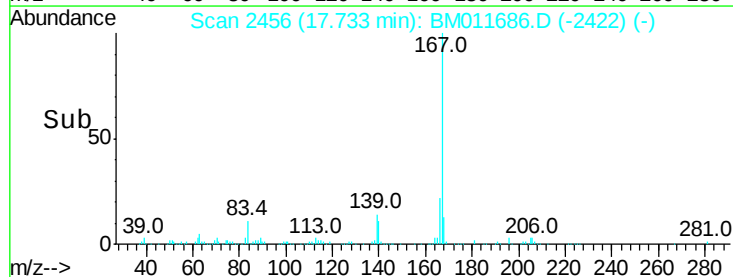
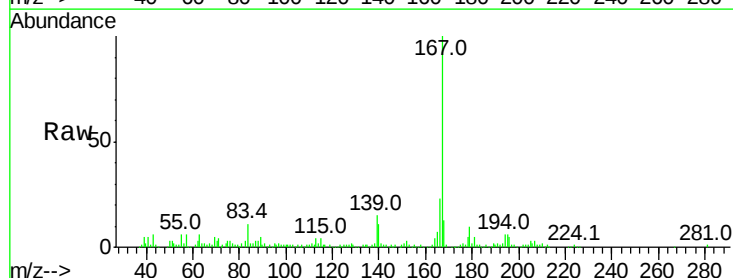
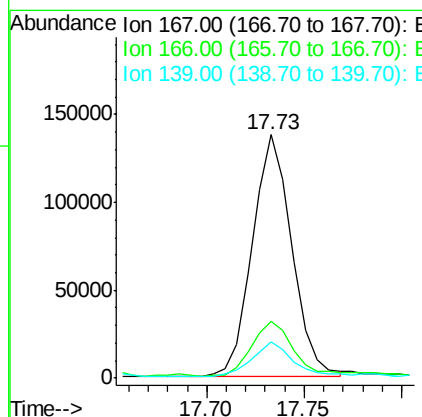
RT: 17.73 min Scan# 2456

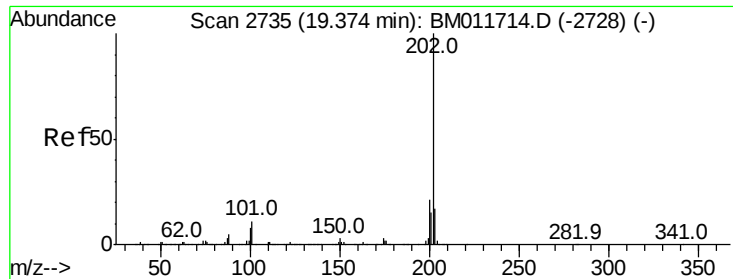
Delta R.T. 0.00 min

Lab File: BM011686.D

Acq: 22 Sep 2017 10:59

Tgt Ion:	167	Resp:	193148
Ion Ratio	Lower	Upper	
167	100		
166	23.3	17.0	25.4
139	14.9	9.1	13.7#





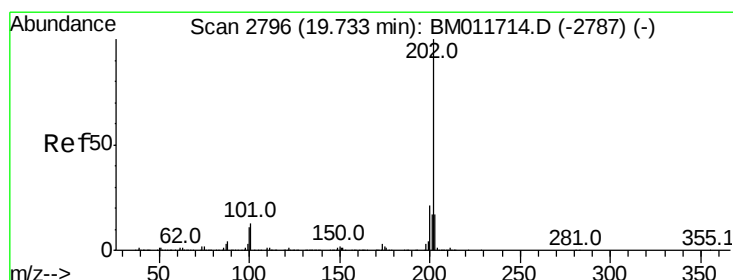
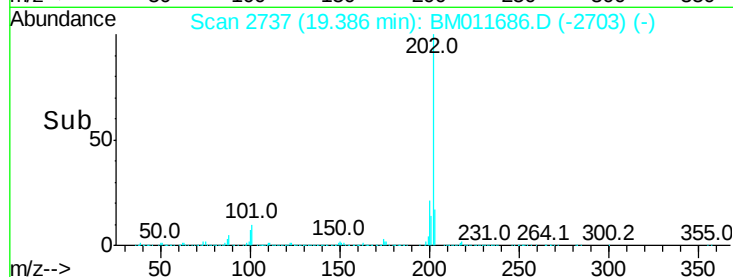
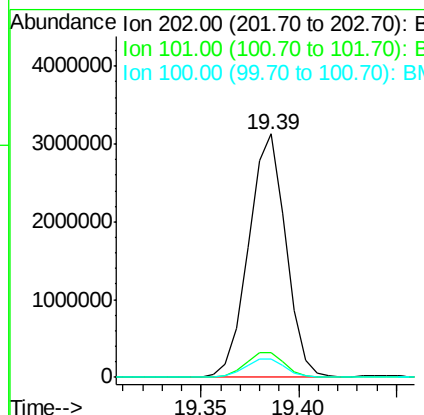
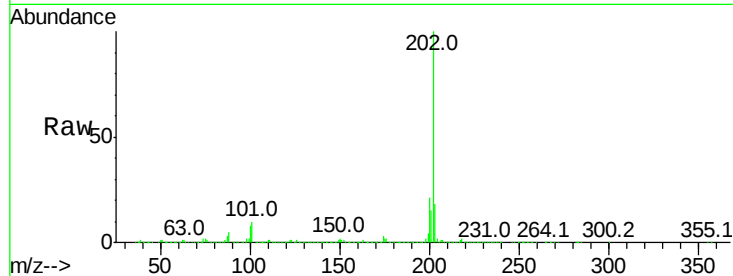
#77
 Fluoranthene
 Concen: 25.238 ng/ul
 RT: 19.39 min Scan# 2737
 Delta R.T. 0.00 min
 Lab File: BM011686.D
 Acq: 22 Sep 2017 10:59

Instrument :
 BNA_M
 ClientSampleId :
 CB3B6

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	6.1	9.1#
100	7.6	4.6	7.0#

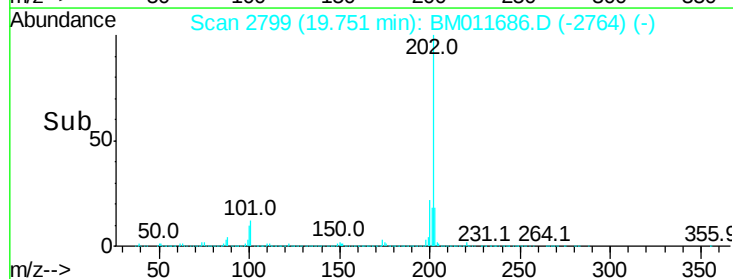
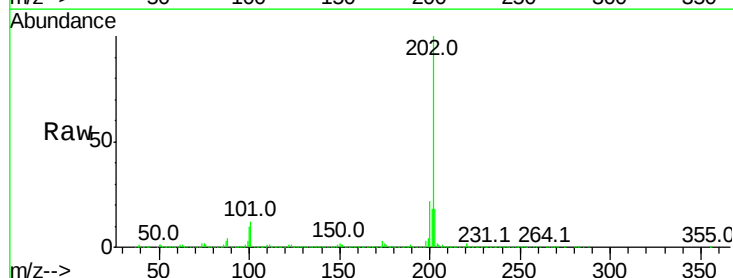
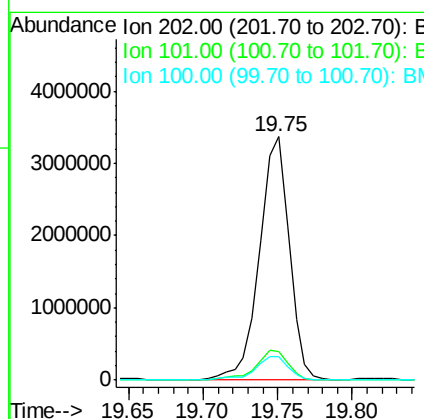
Manual Integrations
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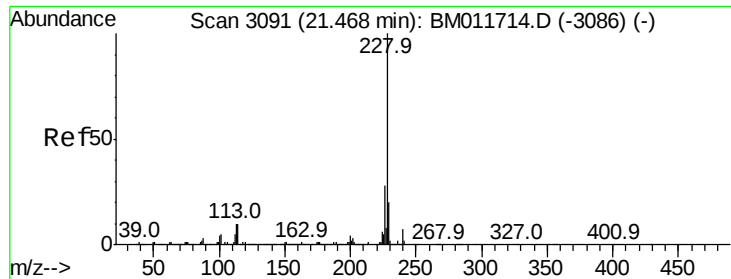
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#80
 Pyrene
 Concen: 35.577 ng/ul
 RT: 19.75 min Scan# 2799
 Delta R.T. 0.01 min
 Lab File: BM011686.D
 Acq: 22 Sep 2017 10:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	6.9	10.3#
100	9.6	5.6	8.4#





#83

Benzo(a)anthracene

Concen: 15.311 ng/ul

RT: 21.49 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM011686.D

Acq: 22 Sep 2017 10:59

Instrument :

BNA_M

ClientSampled :

CB3B6

Tot Ion:228 Resp: 1878657

Ion Ratio Lower Upper

228 100

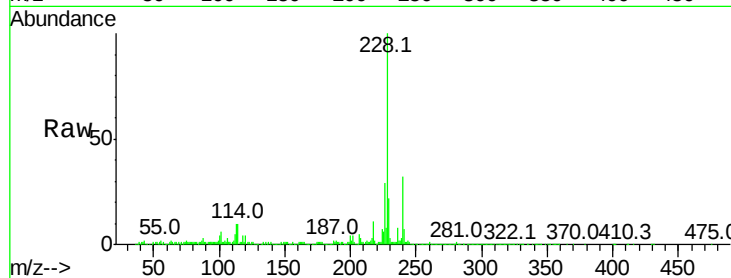
229 21.8 16.0 24.0

226 28.9 21.8 32.8

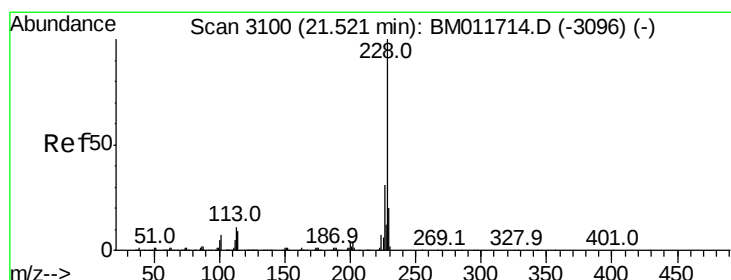
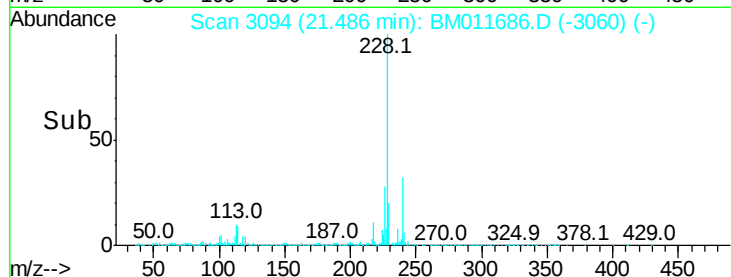
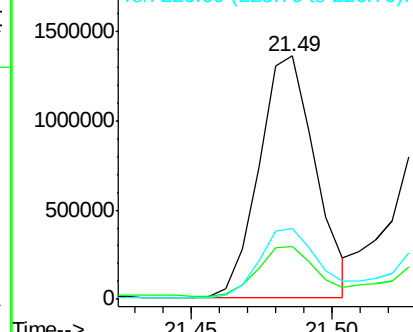
Manual Integrations
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#85

Chrysene

Concen: 18.642 ng/ul

RT: 21.54 min Scan# 3103

Delta R.T. 0.00 min

Lab File: BM011686.D

Acq: 22 Sep 2017 10:59

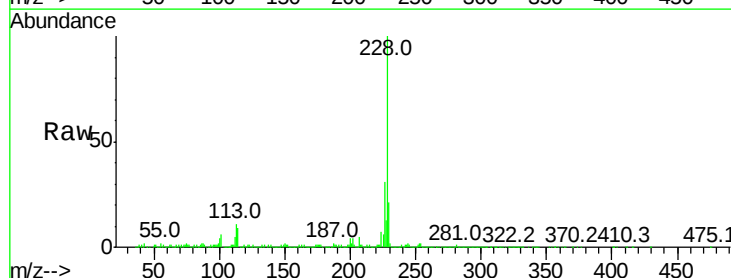
Tgt Ion:228 Resp: 2073576

Ion Ratio Lower Upper

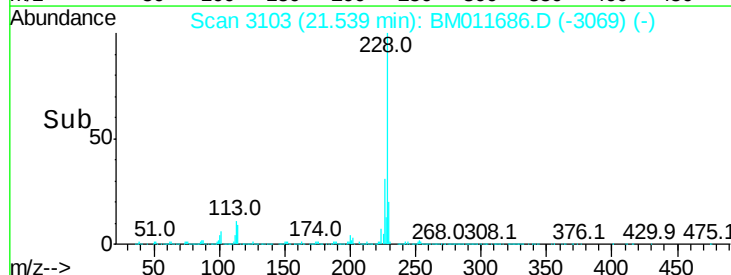
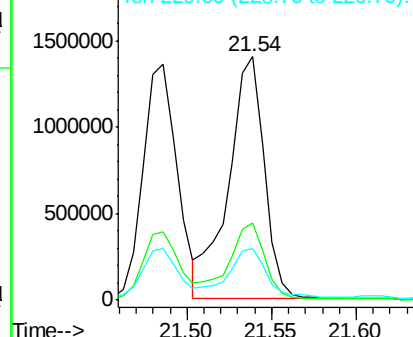
228 100

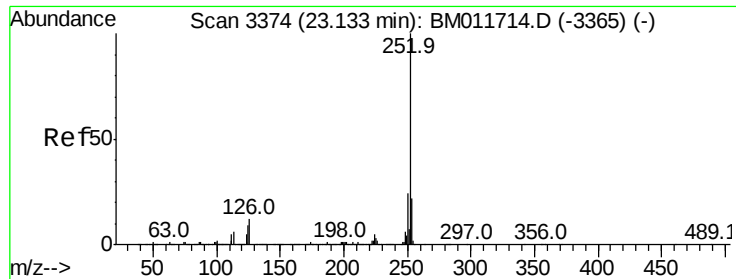
226 31.5 24.1 36.1

229 21.0 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: 18.719 ng/ul

RT: 23.15 min Scan# 3377

Delta R.T. 0.00 min

Lab File: BM011686.D

Acq: 22 Sep 2017 10:59

Instrument :

BNA_M

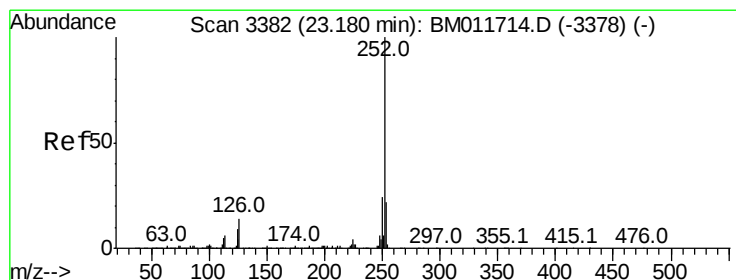
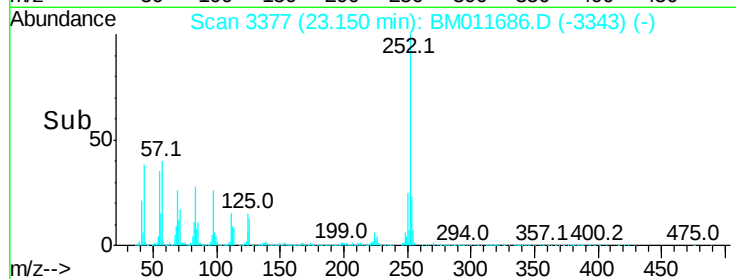
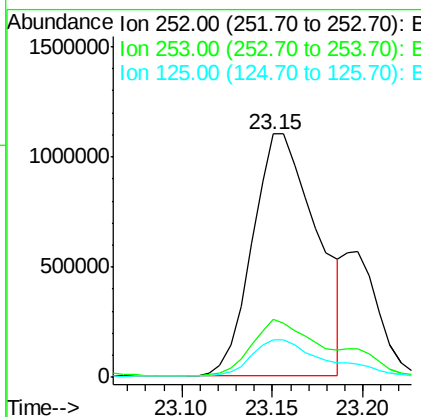
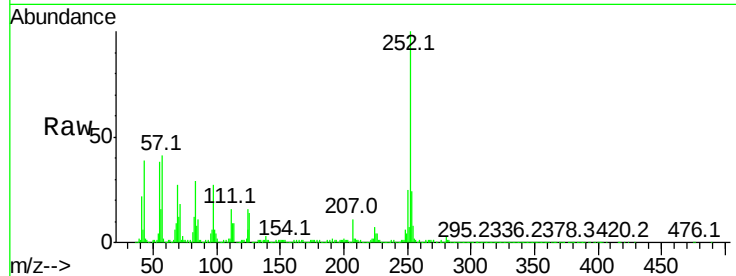
ClientSampleId :

CB3B6

Tot Ion:	252	Resp:	2718160
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.4	26.0
125	15.6	4.9	7.3#

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#89

Benzo(k)fluoranthene

Concen: 5.355 ng/ul m

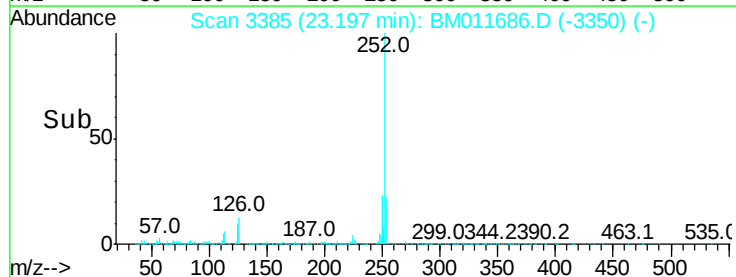
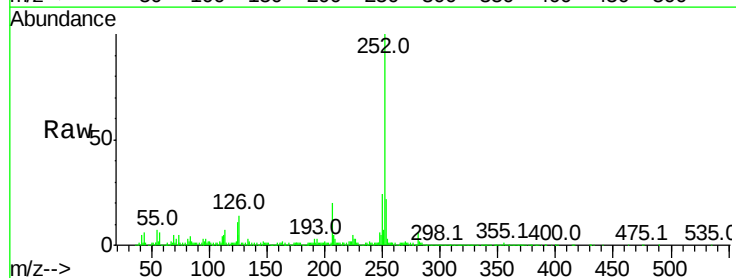
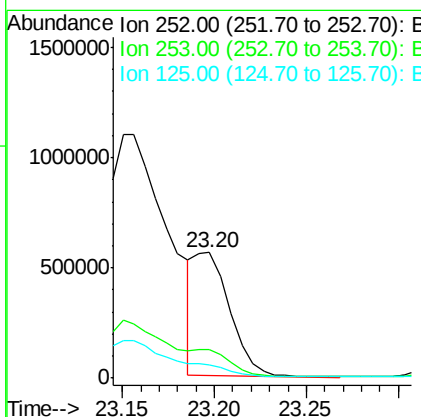
RT: 23.20 min Scan# 3385

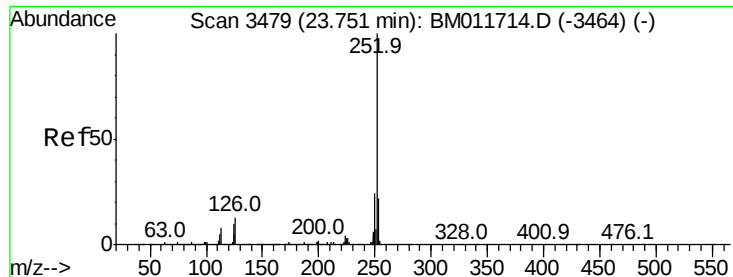
Delta R.T. 0.01 min

Lab File: BM011686.D

Acq: 22 Sep 2017 10:59

Tgt Ion:	252	Resp:	746731
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.1	25.7
125	10.7	5.4	8.0#





#91

Benzo(a)pyrene

Concen: 15.111 ng/ul

RT: 23.77 min Scan# 3483

Delta R.T. 0.01 min

Lab File: BM011686.D

Acq: 22 Sep 2017 10:59

Instrument :

BNA_M

ClientSampleId :

CB3B6

Tot Ion:252 Resp: 2071163

Ion Ratio Lower Upper

252 100

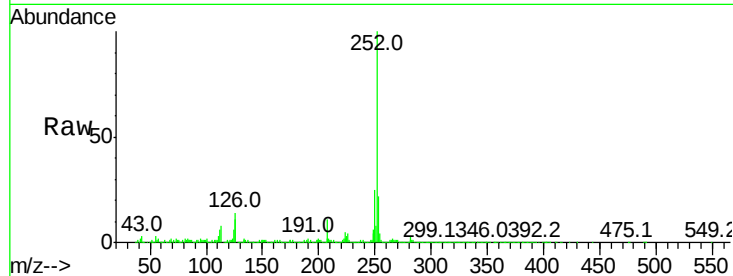
253 21.8 17.2 25.8

125 11.2 5.8 8.6#

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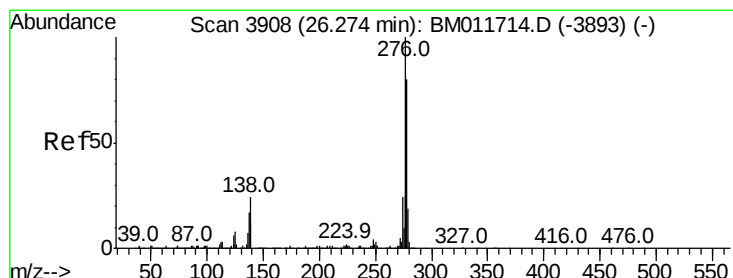
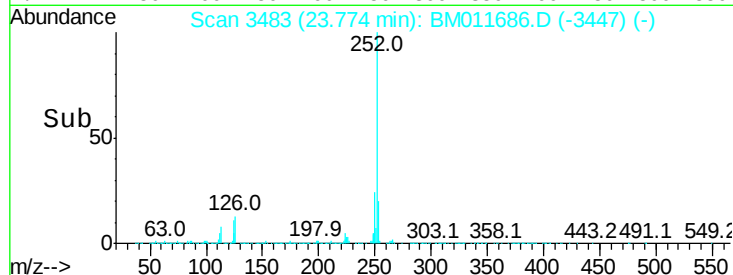
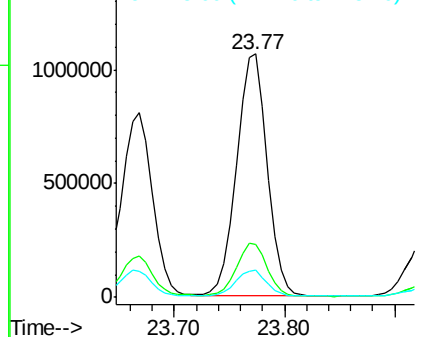
9/25/2017 6:23:21 PM



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: 11.734 ng/ul

RT: 26.31 min Scan# 3914

Delta R.T. 0.01 min

Lab File: BM011686.D

Acq: 22 Sep 2017 10:59

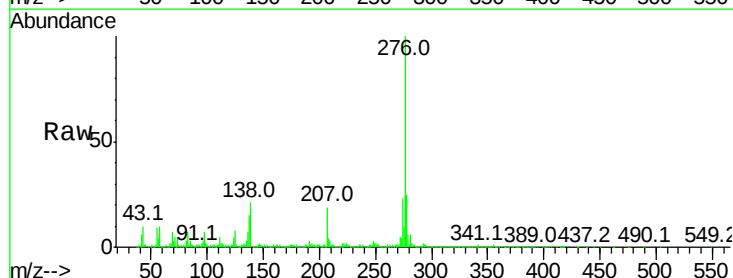
Tgt Ion:276 Resp: 1769088

Ion Ratio Lower Upper

276 100

138 20.6 10.9 16.3#

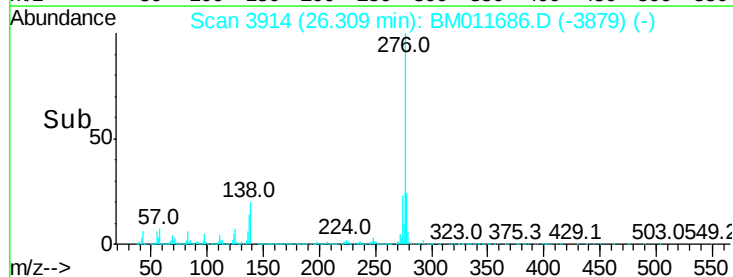
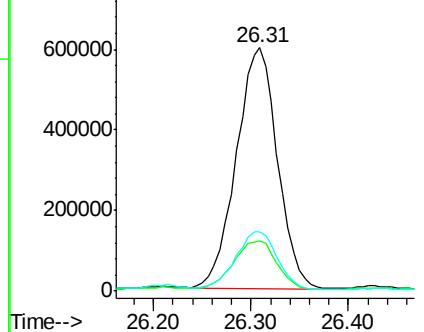
277 24.2 18.9 28.3

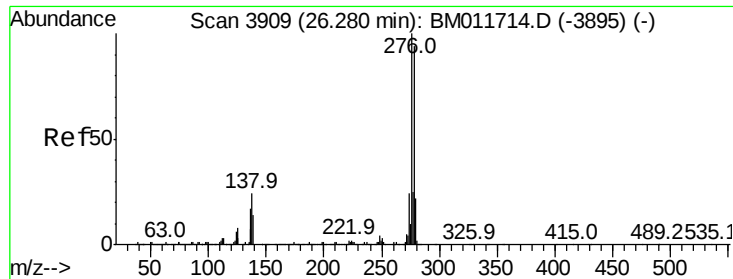


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 3.976 ng/ul

RT: 26.30 min Scan# 3913

Delta R.T. -0.01 min

Lab File: BM011686.D

Acq: 22 Sep 2017 10:59

Instrument :

BNA_M

ClientSampleId :

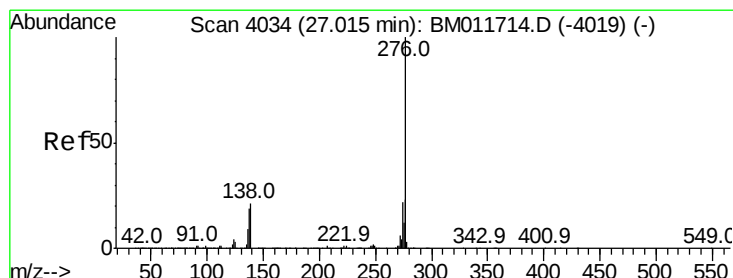
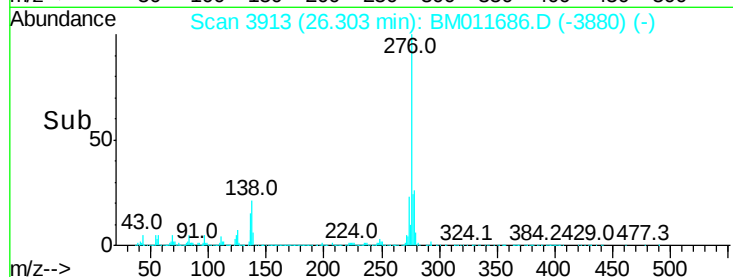
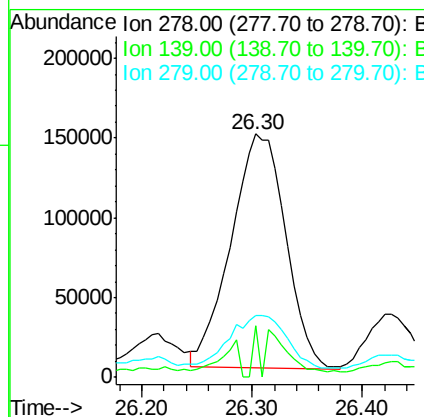
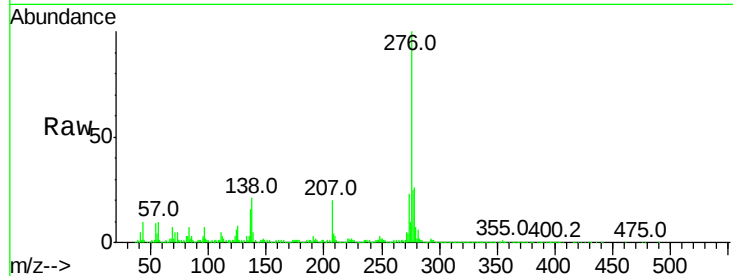
CB3B6

Tot Ion:	278	Resp:	508275
Ion Ratio	Lower	Upper	
278	100		
139	20.9	9.0	13.4#
279	25.6	19.1	28.7

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#94

Benzo(g,h,i)perylene

Concen: 16.989 ng/ul

RT: 27.07 min Scan# 4043

Delta R.T. 0.02 min

Lab File: BM011686.D

Acq: 22 Sep 2017 10:59

Tgt Ion:	276	Resp:	2074404
Ion Ratio	Lower	Upper	
276	100		
138	21.0	11.2	16.8#
277	23.5	19.0	28.6

