

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081015\
 Data File : BM002316.D
 Acq On : 10 Aug 2015 17:14
 Operator : UM/IZ
 Sample : G3065-21DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02G6DL

Manual Integrations
 APPROVED

MMDadoda
 8/11/2015 10:53:03 AM

Quant Time: Aug 11 01:45:56 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 11 01:34:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	148646	20.00	ng/ul	0.00
18) Naphthalene-d8	11.77	136	675734	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.49	164	322057	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.19	188	572110	20.00	ng/ul	0.00
78) Chrysene-d12	22.29	240	382871	20.00	ng/ul	0.00
86) Perylene-d12	24.99	264	372700	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.92	96	2830	0.88	ng/uL	0.00
5) Phenol-d5	7.99	99	88158	6.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	8.19	67	50508	6.36	ng/ul	0.00
9) 2-Chlorophenol-d4	8.41	132	76280	6.87	ng/ul	0.00
13) 4-Methylphenol-d8	9.59	113	73361	6.37	ng/ul	0.00
19) Nitrobenzene-d5	10.09	128	37288	7.36	ng/ul	0.00
22) 2-Nitrophenol-d4	10.83	143	35269	7.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.37	165	69319	7.05	ng/ul	0.00
29) 4-Chloroaniline-d4	11.89	131	28681	2.20	ng/ul	0.00
44) Dimethylphthalate-d6	14.86	166	201726	7.61	ng/ul	0.00
47) Acenaphthylene-d8	15.19	160	268329	8.04	ng/ul	0.00
52) 4-Nitrophenol-d4	15.62	143	21866	4.57	ng/ul	0.00
58) Fluorene-d10	16.46	176	174013	7.50	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.55	200	5904	2.63	ng/ul	0.00
71) Anthracene-d10	18.29	188	229703	8.27	ng/ul	0.00
79) Pyrene-d10	20.51	212	182738	9.84	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.81	264	177267	8.96	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	11.82	128	879484	24.72	ng/ul	99
34) 2-Methylnaphthalene	13.37	142	621421	24.45	ng/ul	98
35) 1-Methylnaphthalene	13.58	142	617951	24.67	ng/ul	98
41) 1,1'-Biphenyl	14.33	154	132486	4.86	ng/ul	98
45) Dimethylphthalate	14.90	163	131786	4.87	ng/ul	100
48) Acenaphthylene	15.22	152	507896	14.66	ng/ul	98
50) Acenaphthene	15.55	153	96879	4.16	ng/ul	91
54) Dibenzofuran	15.87	168	84180	2.71	ng/ul	99
59) Fluorene	16.51	166	373300	14.23	ng/ul#	97
70) Phenanthrene	18.24	178	2198325	66.76	ng/ul	100
72) Anthracene	18.33	178	314841	9.26	ng/ul	98
75) Carbazole	18.57	167	42321	1.38	ng/ul#	93
76) Di-n-butylphthalate	19.07	149	84984	2.06	ng/ul#	90
77) Fluoranthene	20.19	202	1107733	31.79	ng/ul	99
80) Pyrene	20.54	202	1211454	48.94	ng/ul	99
81) Butylbenzylphthalate	21.36	149	67260	5.50	ng/ul	94
83) Benzo(a)anthracene	22.27	228	573054	24.52	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	22.12	149	188242	10.64	ng/ul	98
85) Chrysene	22.33	228	651382m	29.41	ng/ul	
88) Benzo(b)fluoranthene	24.15	252	606510	26.18	ng/ul#	92
89) Benzo(k)fluoranthene	24.20	252	159719m	7.18	ng/ul	
91) Benzo(a)pyrene	24.86	252	442040	19.94	ng/ul#	93
92) Indeno(1,2,3-cd)pyrene	27.83	276	317055	12.48	ng/ul	97

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C02G6DL

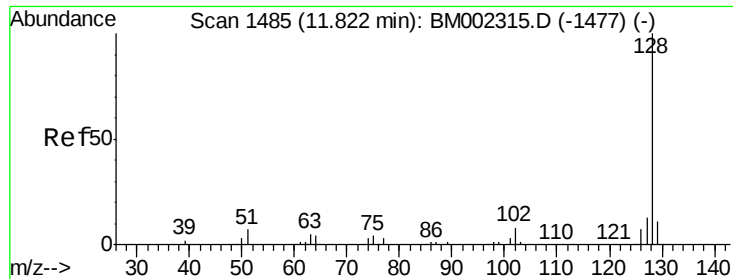
Manual Integrations
APPROVED

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Quant Time: Aug 11 01:45:56 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 11 01:34:33 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	27.83	278	100691	4.68	ng/ul#	74
94) Benzo(g,h,i)perylene	28.72	276	310854	14.50	ng/ul	96

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



#28

Naphthalene

Concen: 24.72 ng/ul

RT: 11.82 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM002316.D

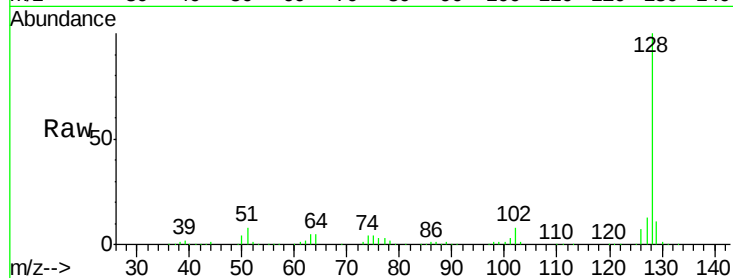
Acq: 10 Aug 2015 17:14

Instrument :

BNA_M

ClientSampleId :

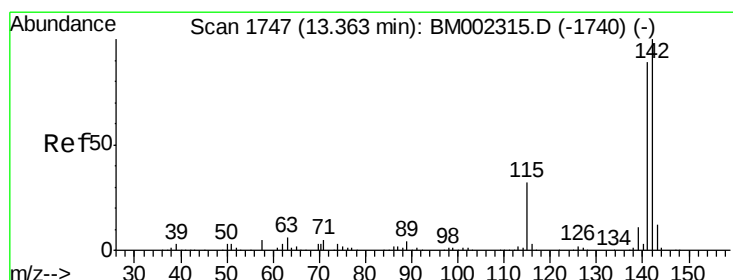
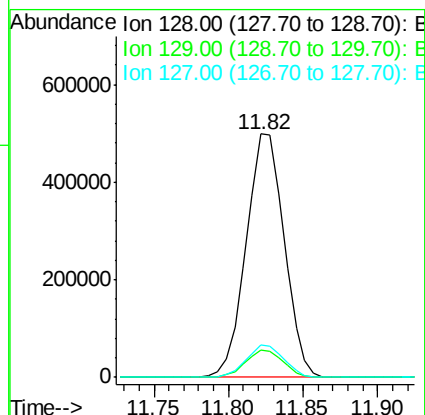
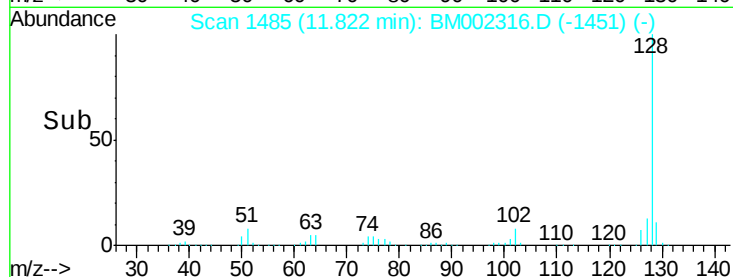
C02G6DL



Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	12.8
127	13.2	10.4	15.6

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#34

2-Methylnaphthalene

Concen: 24.45 ng/ul

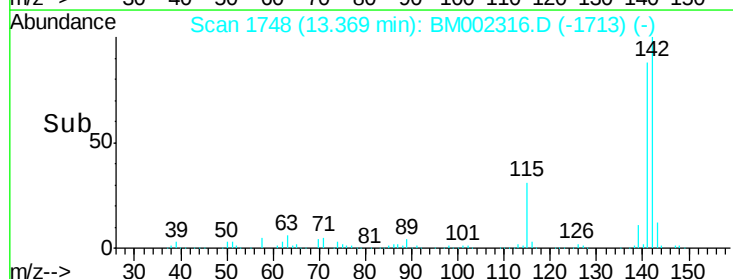
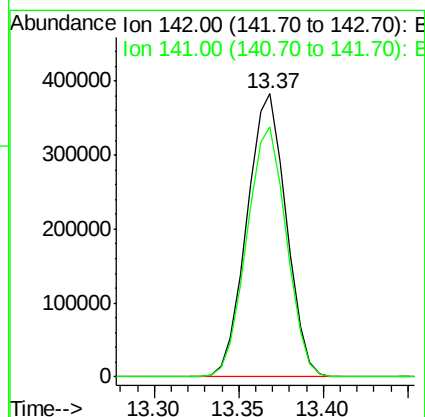
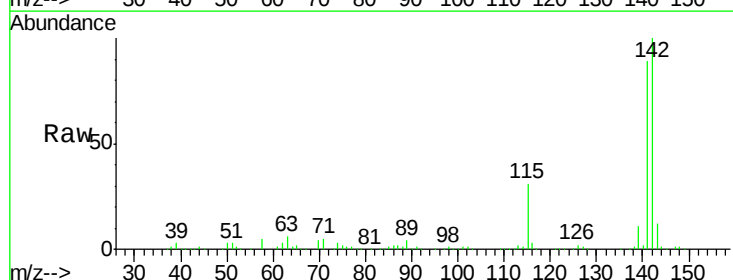
RT: 13.37 min Scan# 1748

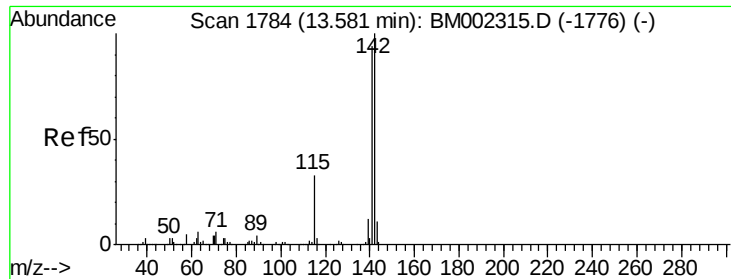
Delta R.T. 0.01 min

Lab File: BM002316.D

Acq: 10 Aug 2015 17:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.5	72.5	108.7





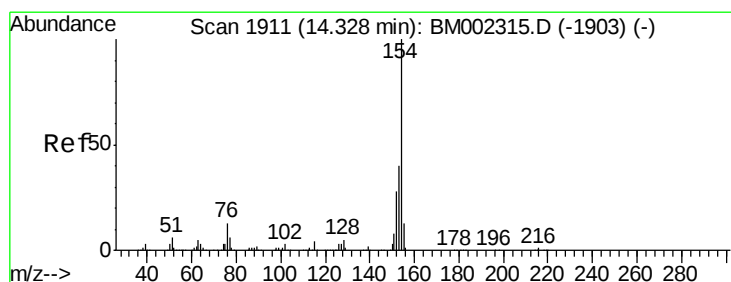
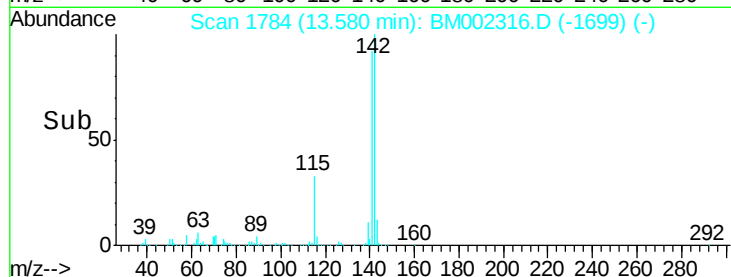
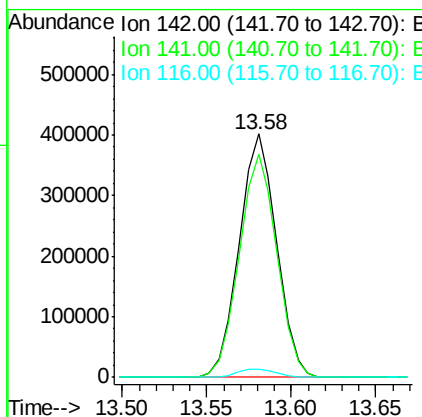
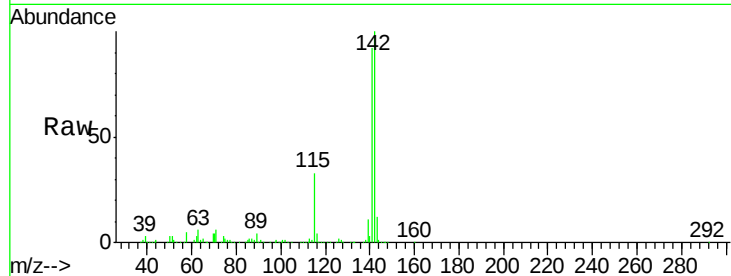
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 1-Methylnaphthalene
 Concen: 24.67 ng/ul
 RT: 13.58 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: BM002316.D
 Acq: 10 Aug 2015 17:14

Instrument :
 BNA_M
 ClientSampleId :
 C02G6DL

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	617951		
141	91.5	74.5	111.7	
116	3.6	3.0	4.4	

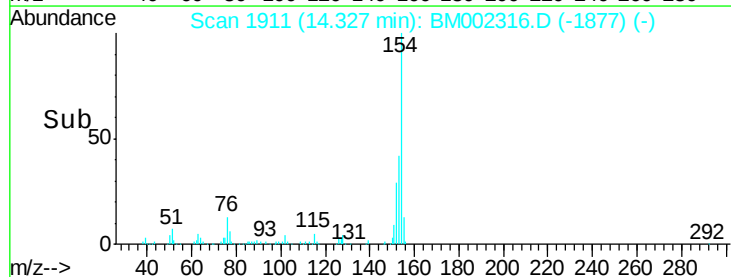
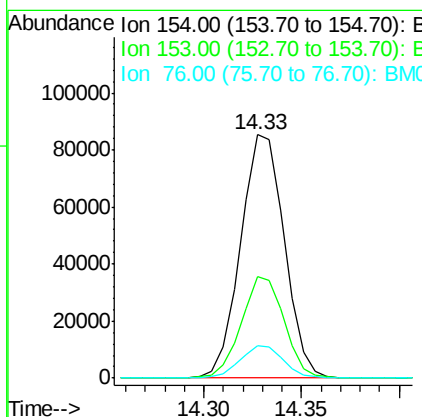
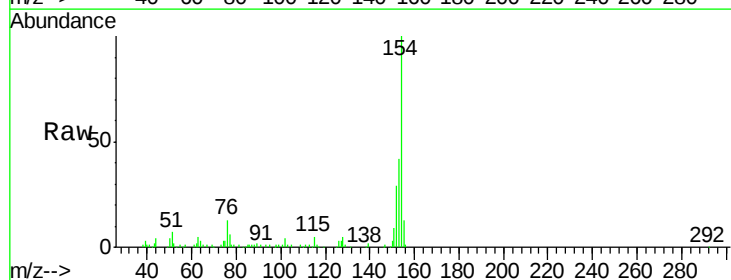
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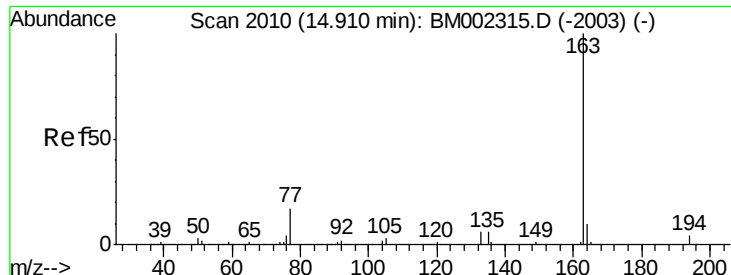
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#41
 1,1'-Biphenyl
 Concen: 4.86 ng/ul
 RT: 14.33 min Scan# 1911
 Delta R.T. -0.00 min
 Lab File: BM002316.D
 Acq: 10 Aug 2015 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	132486		
153	41.6	32.1	48.1	
76	13.2	11.0	16.4	





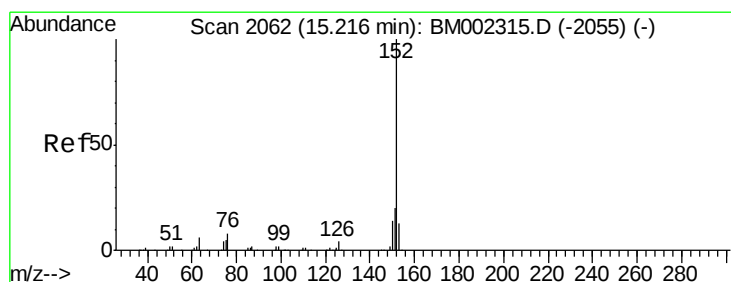
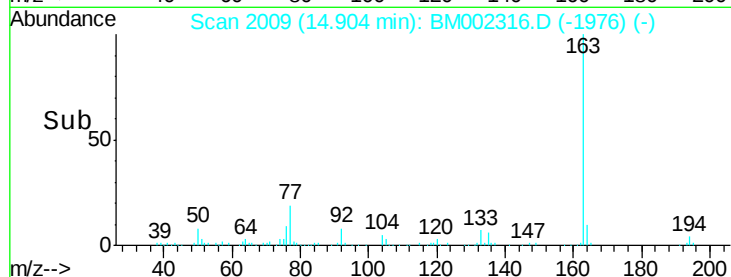
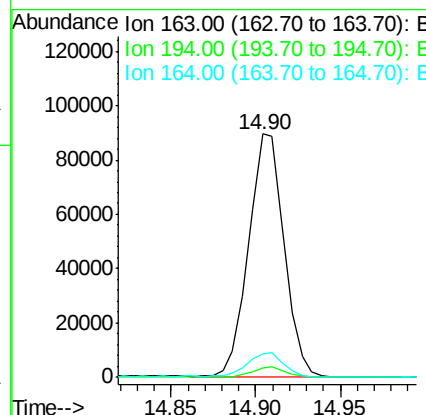
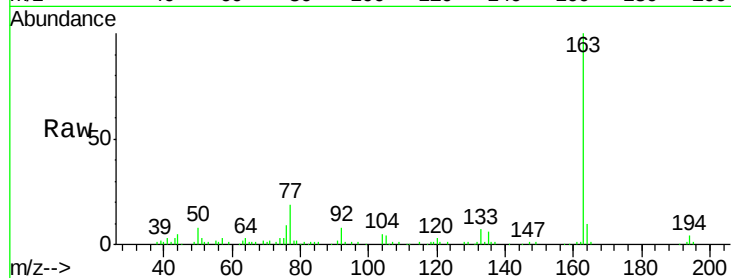
#45
Dimethylphthalate
Concen: 4.87 ng/ul
RT: 14.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BM002316.D
Acq: 10 Aug 2015 17:14

Instrument :
BNA_M
ClientSampleId :
C02G6DL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	131786		
194	4.0	3.2	4.8	
164	9.7	7.9	11.9	

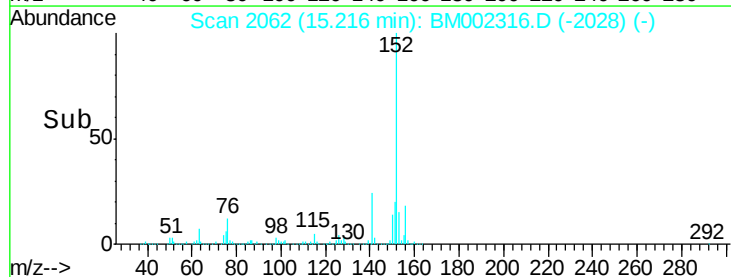
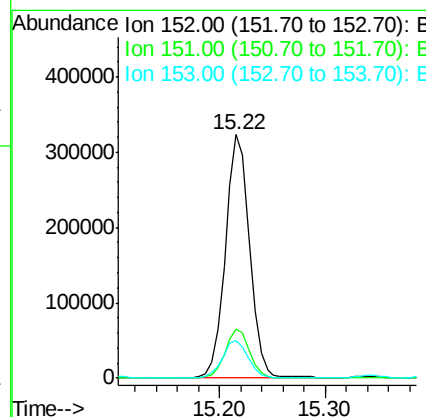
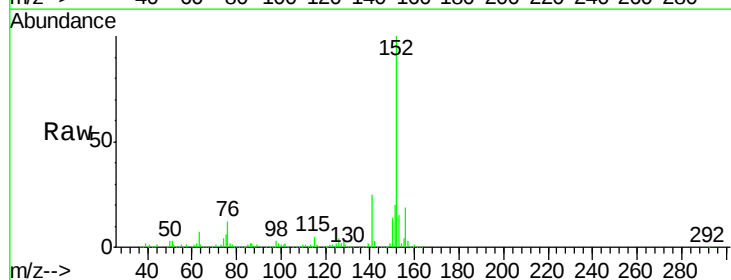
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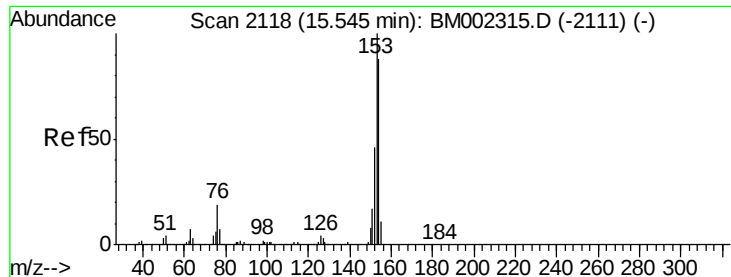
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#48
Acenaphthylene
Concen: 14.66 ng/ul
RT: 15.22 min Scan# 2062
Delta R.T. -0.00 min
Lab File: BM002316.D
Acq: 10 Aug 2015 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	507896		
151	20.2	15.9	23.9	
153	15.3	10.6	15.8	





#50

Acenaphthene

Concen: 4.16 ng/ul

RT: 15.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: BM002316.D

Acq: 10 Aug 2015 17:14

Instrument :

BNA_M

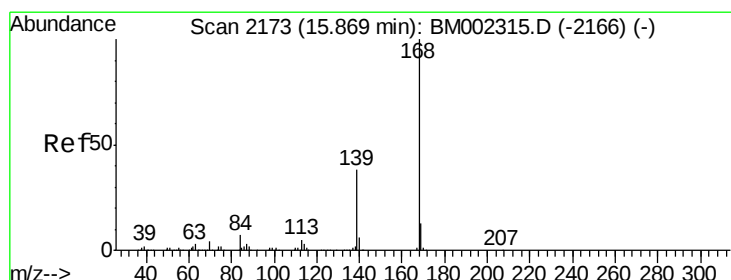
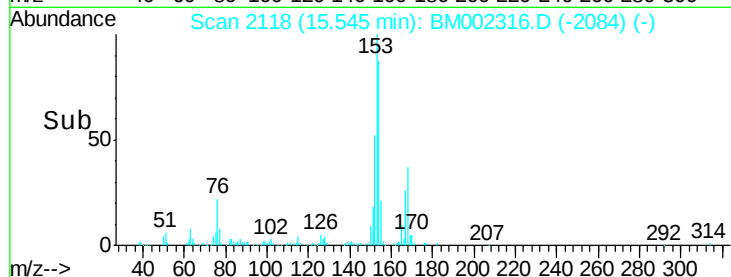
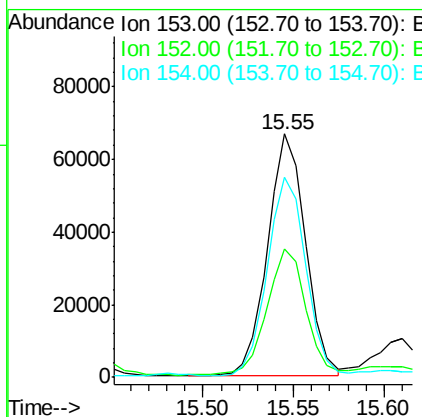
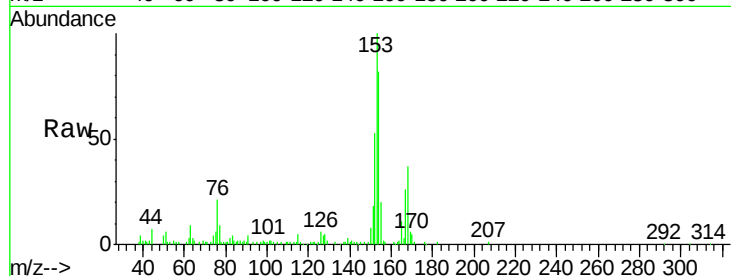
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Tgt Ion:	153	Resp:	96879
Ion	Ratio	Lower	Upper
153	100		
152	52.7	36.6	55.0
154	82.3	71.5	107.3



#54

Dibenzofuran

Concen: 2.71 ng/ul

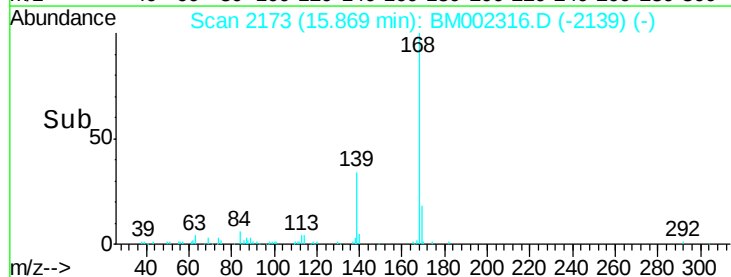
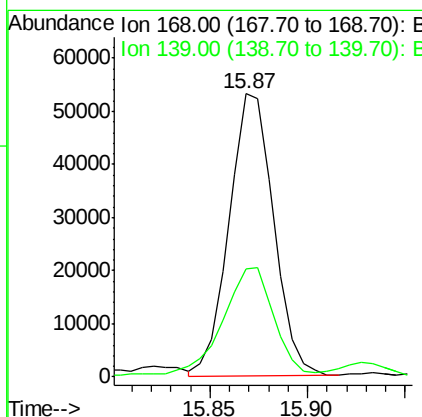
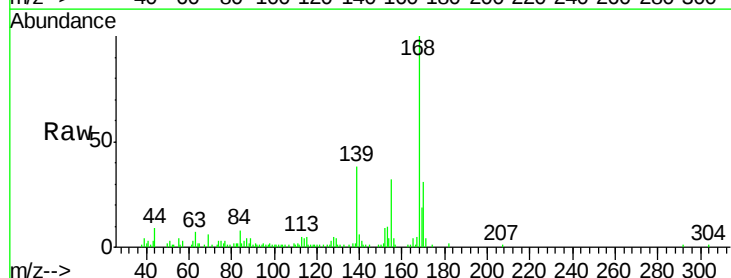
RT: 15.87 min Scan# 2173

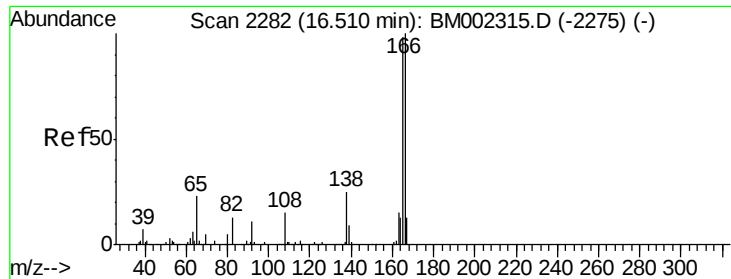
Delta R.T. -0.00 min

Lab File: BM002316.D

Acq: 10 Aug 2015 17:14

Tgt Ion:	168	Resp:	84180
Ion	Ratio	Lower	Upper
168	100		
139	38.3	31.3	46.9





#59

Fluorene

Concen: 14.23 ng/ul

RT: 16.51 min Scan# 2282

Delta R.T. -0.00 min

Lab File: BM002316.D

Acq: 10 Aug 2015 17:14

Instrument :

BNA_M

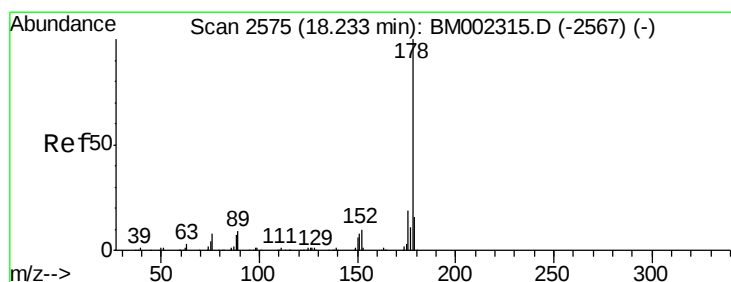
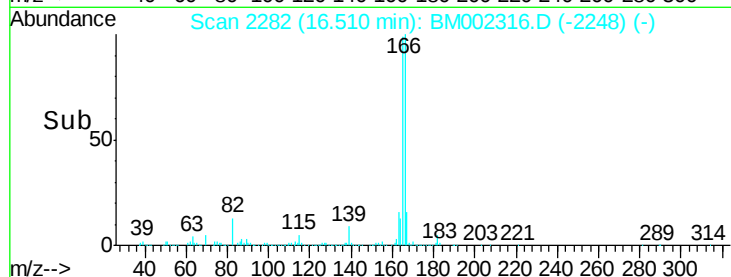
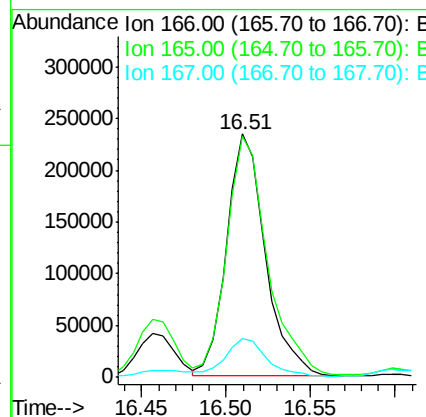
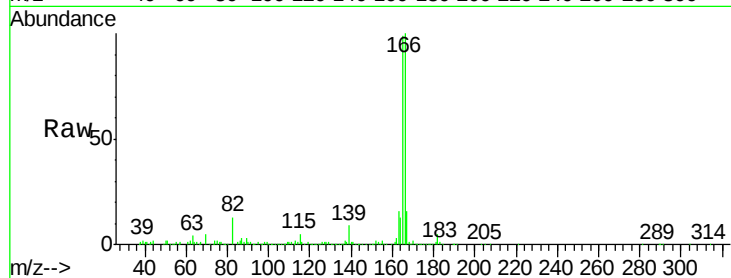
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Tgt Ion	Ratio	Resp	Lower	Upper
166	100	373300		
165	99.1	77.5	116.3	
167	16.2	10.4	15.6#	



#70

Phenanthrene

Concen: 66.76 ng/ul

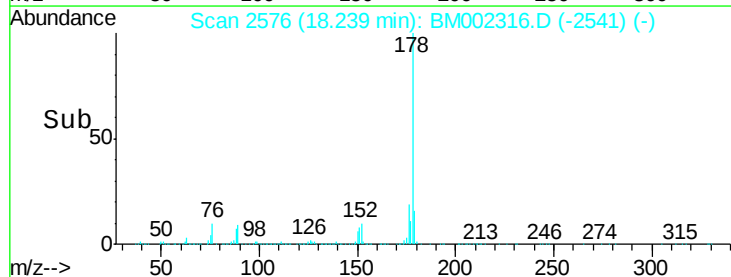
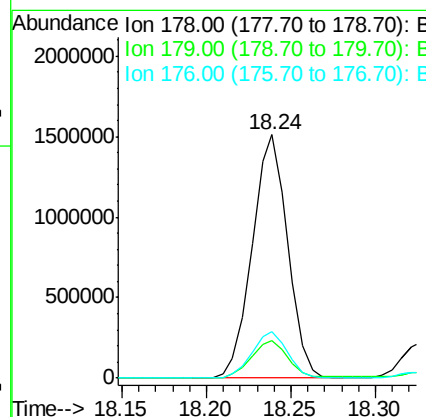
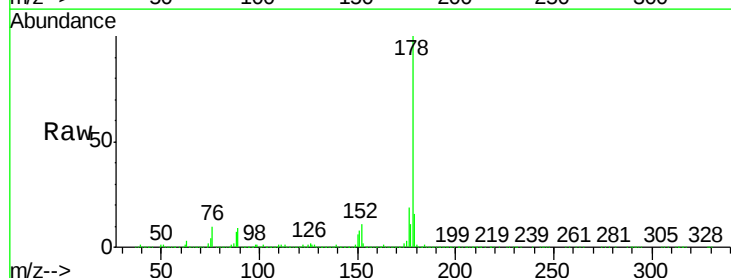
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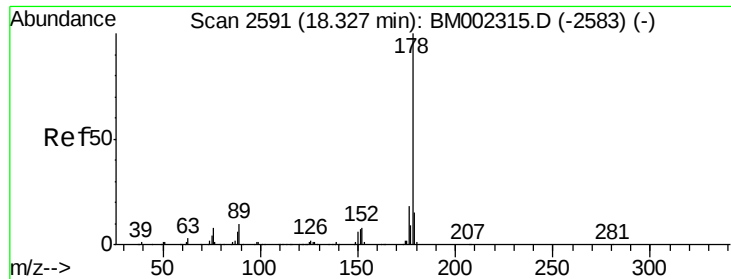
Delta R.T. 0.01 min

Lab File: BM002316.D

Acq: 10 Aug 2015 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2198325		
179	15.7	12.3	18.5	
176	19.2	15.3	22.9	





#72

Anthracene

Concen: 9.26 ng/ul

RT: 18.33 min Scan# 2591

Delta R.T. -0.00 min

Lab File: BM002316.D

Acq: 10 Aug 2015 17:14

Instrument :

BNA_M

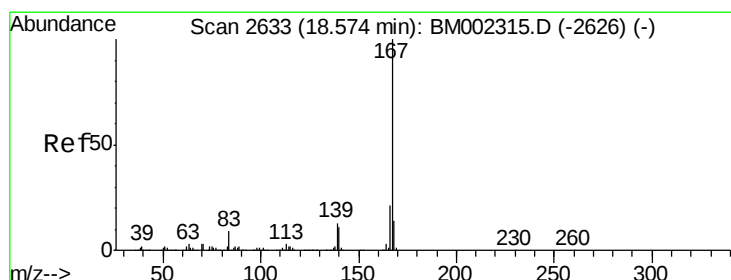
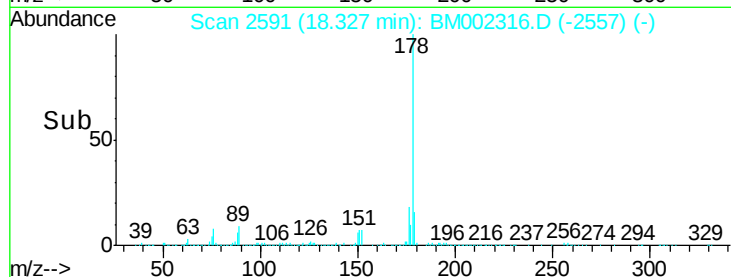
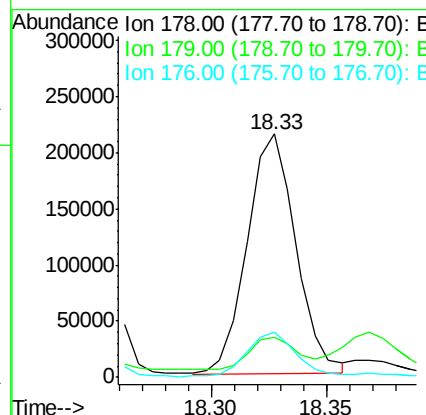
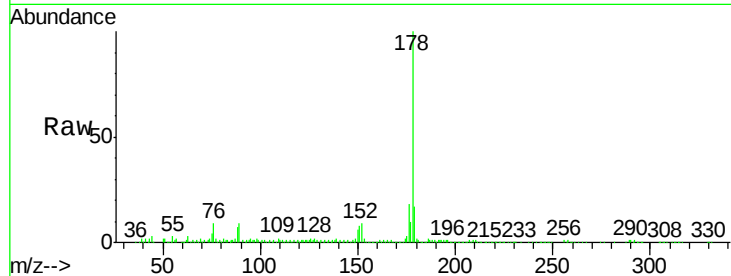
ClientSampleId :

C02G6DL

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Tgt Ion	Ratio	Resp	Lower	Upper
178	100	314841		
179	16.6	12.3	18.5	
176	18.4	14.5	21.7	



#75

Carbazole

Concen: 1.38 ng/ul

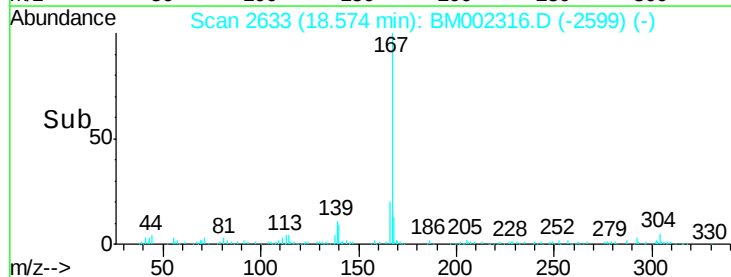
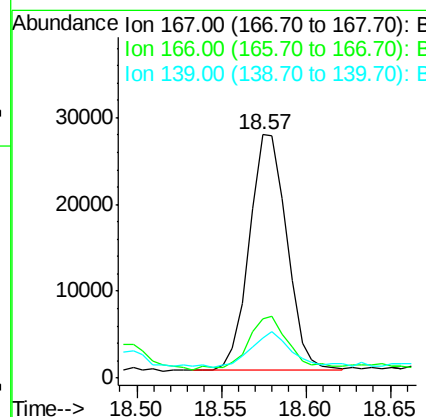
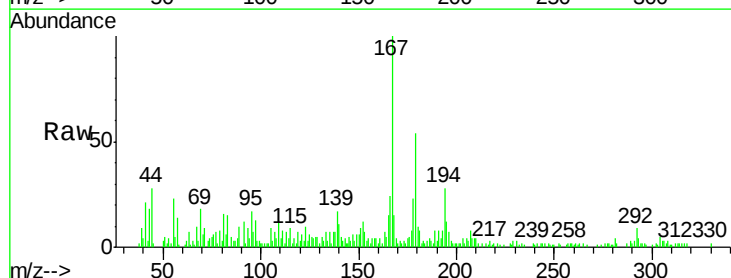
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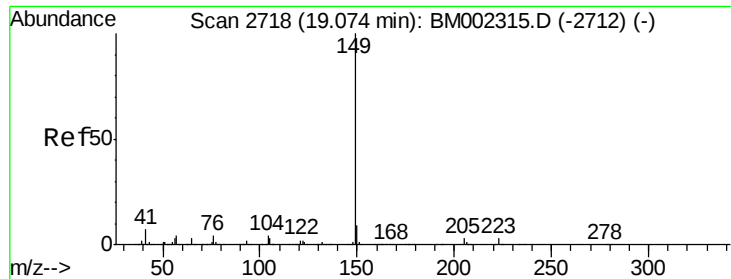
Delta R.T. -0.00 min

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Tgt Ion	Ratio	Resp	Lower	Upper
167	100	42321		
166	24.4	17.0	25.6	
139	16.6	10.8	16.2	





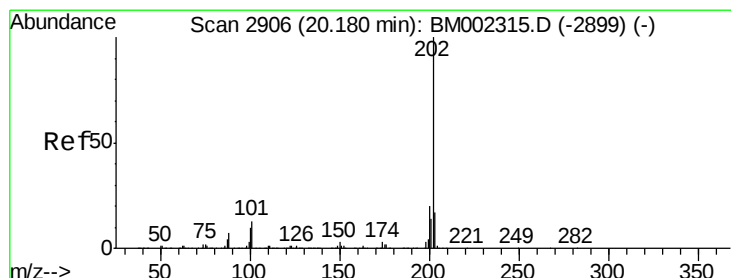
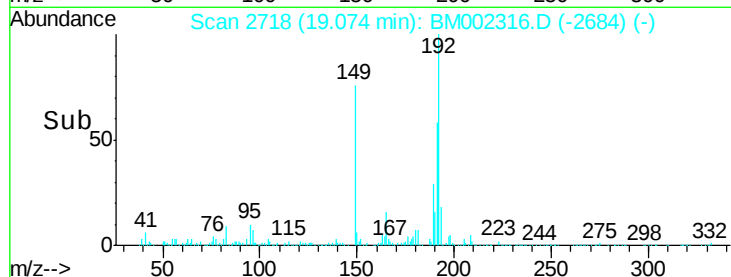
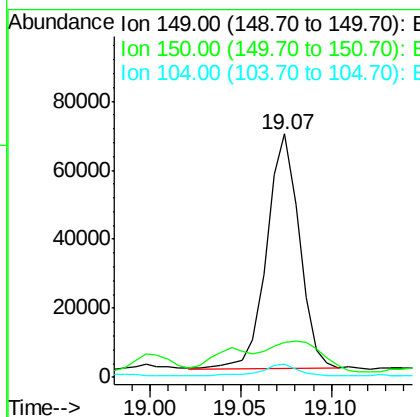
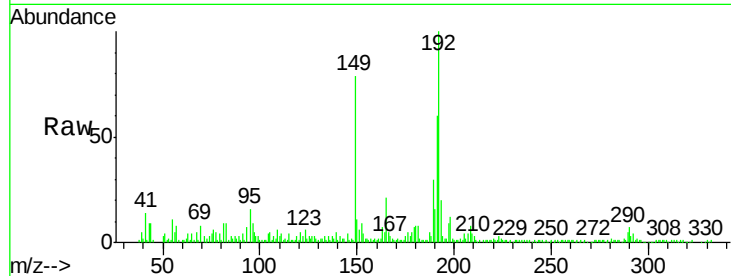
#76
Di-n-butylphthalate
Concen: 2.06 ng/ul
RT: 19.07 min Scan# 2718
Delta R.T. -0.00 min
Lab File: BM002316.D
Acq: 10 Aug 2015 17:14

Instrument :
BNA_M
ClientSampleId :
C02G6DL

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	84984		
150	14.5	7.3	10.9	
104	5.3	3.8	5.6	

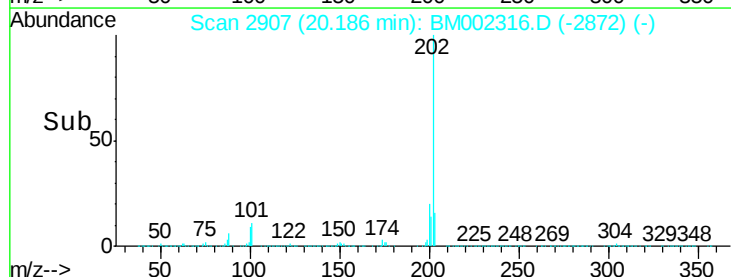
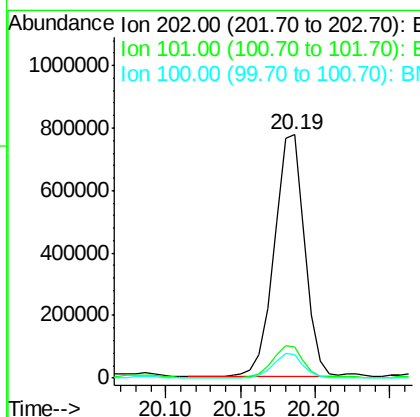
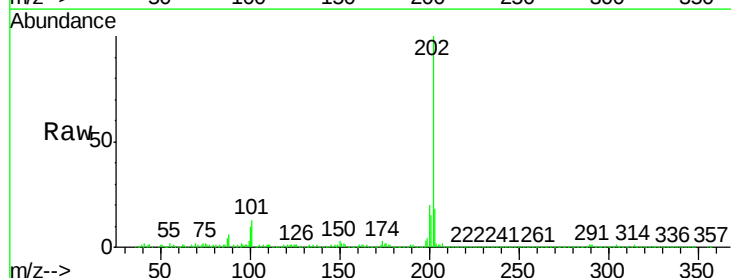
Manual Integrations
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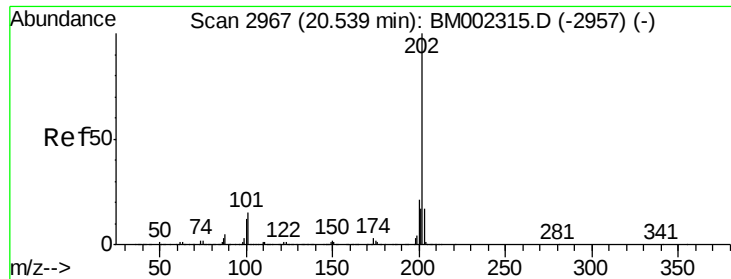
MMDadoda
8/11/2015 10:53:03 AM



#77
Fluoranthene
Concen: 31.79 ng/ul
RT: 20.19 min Scan# 2907
Delta R.T. 0.01 min
Lab File: BM002316.D
Acq: 10 Aug 2015 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1107733		
101	12.8	10.6	15.8	
100	9.7	8.2	12.4	





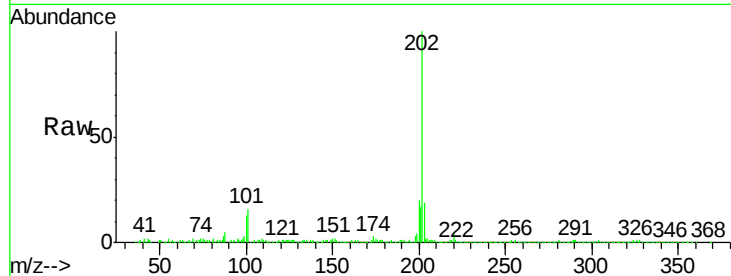
#80
Pyrene
Concen: 48.94 ng/ul
RT: 20.54 min Scan# 2967
Delta R.T. -0.00 min
Lab File: BM002316.D
Acq: 10 Aug 2015 17:14

Instrument :
BNA_M
ClientSampleId :
C02G6DL

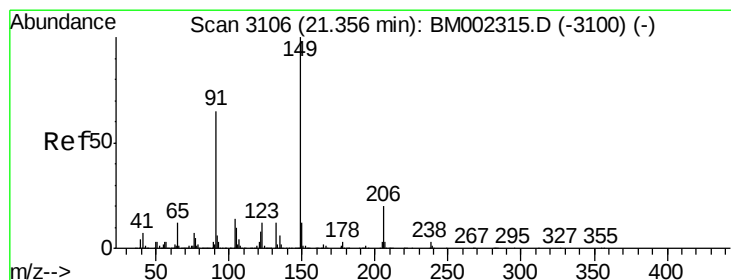
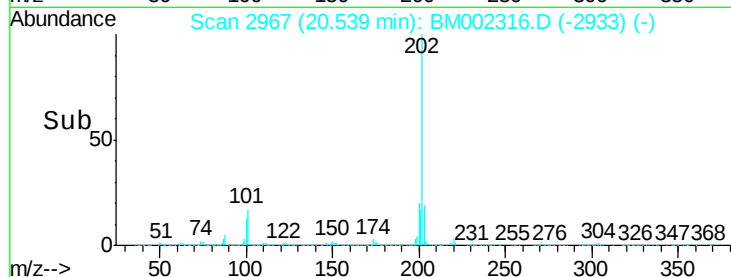
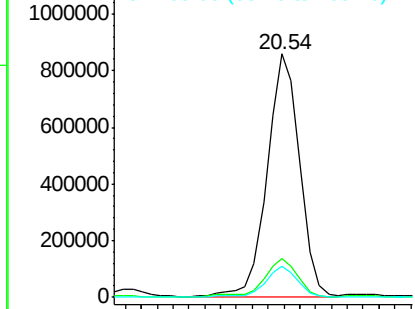
Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.2	13.0	19.6
100	12.8	11.0	16.4

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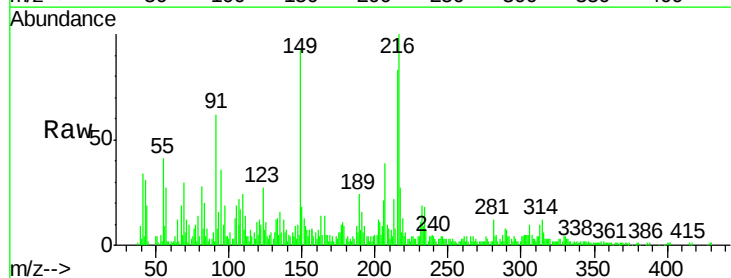


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

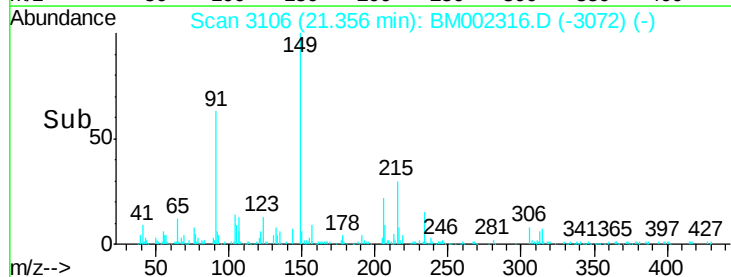
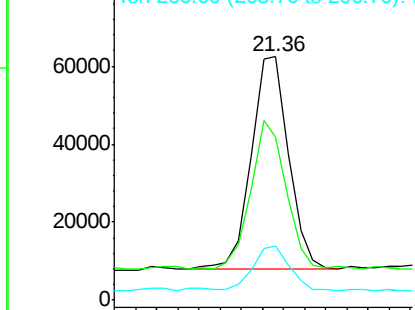


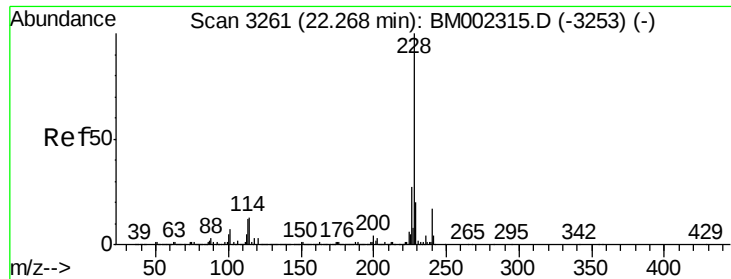
#81
Butylbenzylphthalate
Concen: 5.50 ng/ul
RT: 21.36 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BM002316.D
Acq: 10 Aug 2015 17:14

Tgt Ion	Ratio	Lower	Upper
149	100		
91	67.1	57.5	86.3
206	22.4	15.2	22.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM
Ion 206.00 (205.70 to 206.70): E





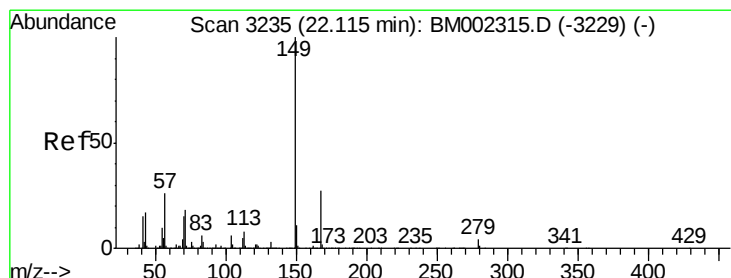
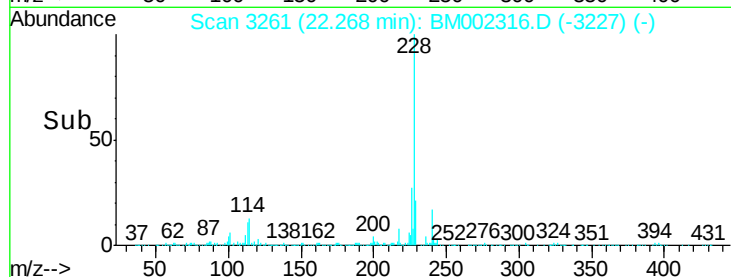
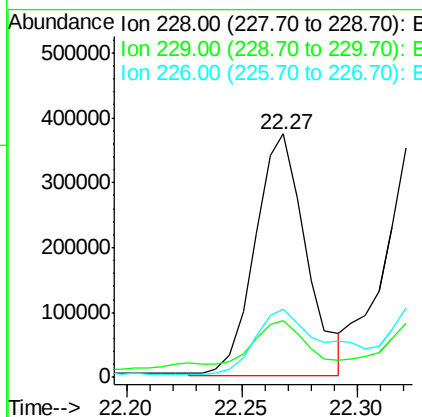
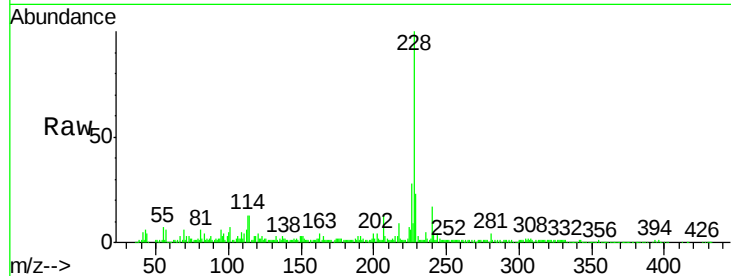
#83
Benzo(a)anthracene
Concen: 24.52 ng/ul
RT: 22.27 min Scan# 3261
Delta R.T. -0.00 min
Lab File: BM002316.D
Acq: 10 Aug 2015 17:14

Instrument :
BNA_M
ClientSampleId :
C02G6DL

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.1	15.7	23.5
226	27.8	21.4	32.0

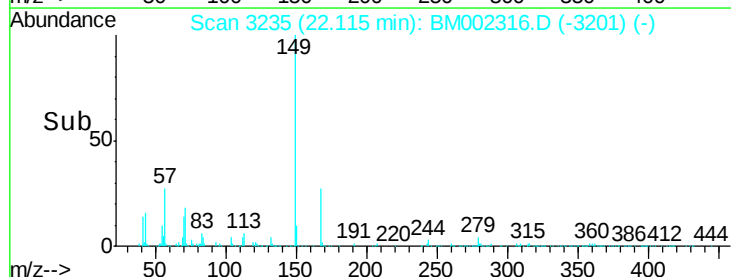
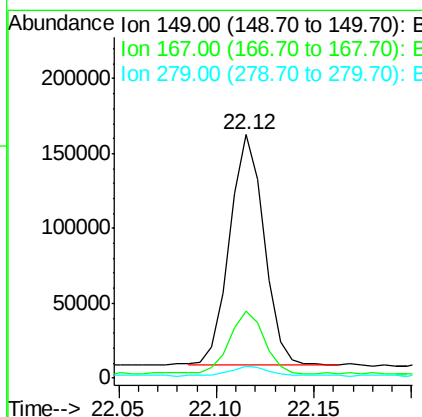
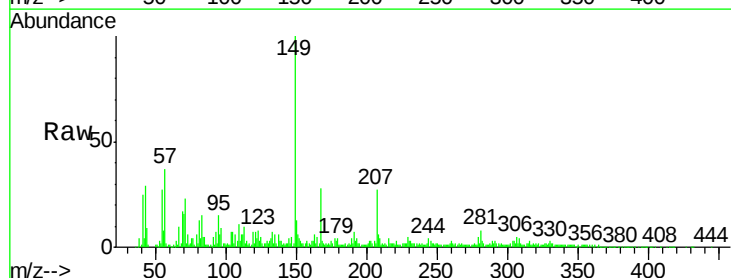
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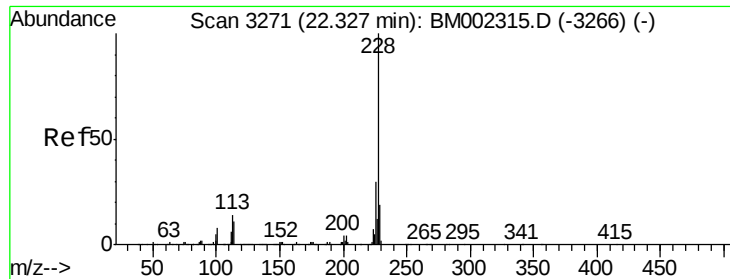
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#84
Bis(2-ethylhexyl)phthalate
Concen: 10.64 ng/ul
RT: 22.12 min Scan# 3235
Delta R.T. -0.00 min
Lab File: BM002316.D
Acq: 10 Aug 2015 17:14

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.4	32.2
279	4.7	3.2	4.8





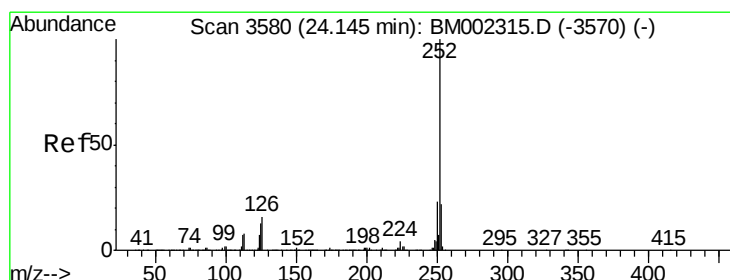
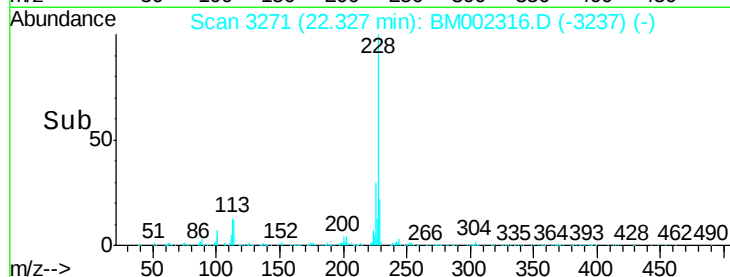
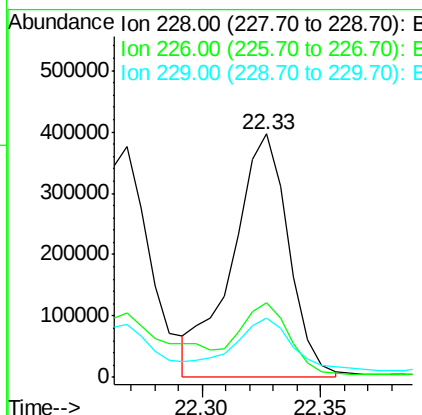
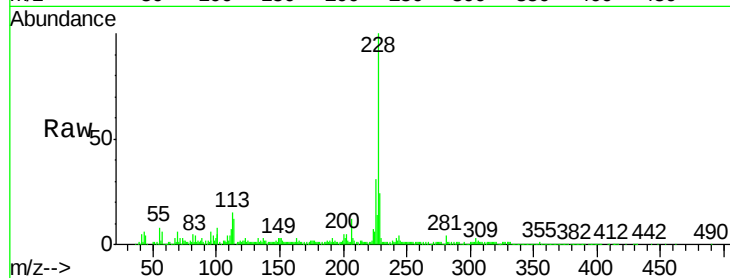
#85
Chrysene
Concen: 29.41 ng/ul m
RT: 22.33 min Scan# 3271
Delta R.T. -0.00 min
Lab File: BM002316.D
Acq: 10 Aug 2015 17:14

Instrument :
BNA_M
ClientSampleId :
C02G6DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.0
229	24.3	15.5	23.3

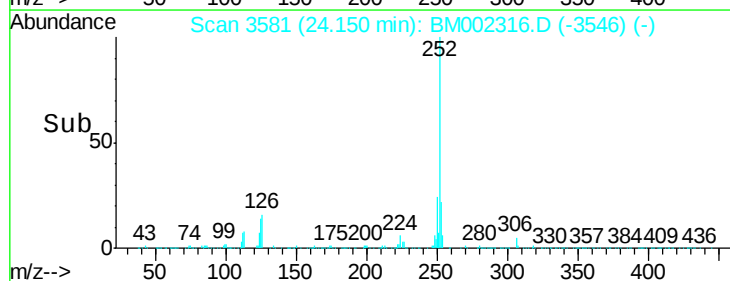
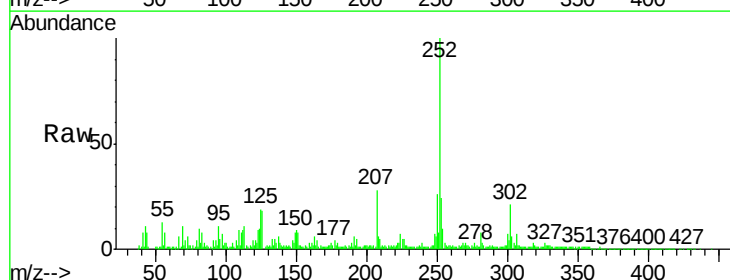
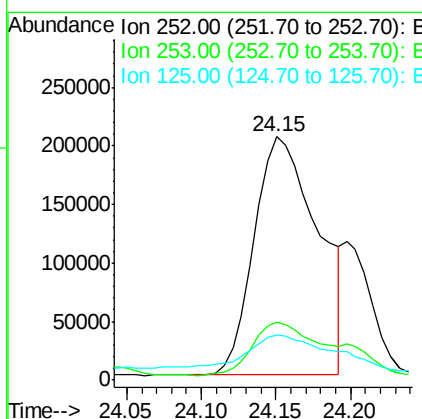
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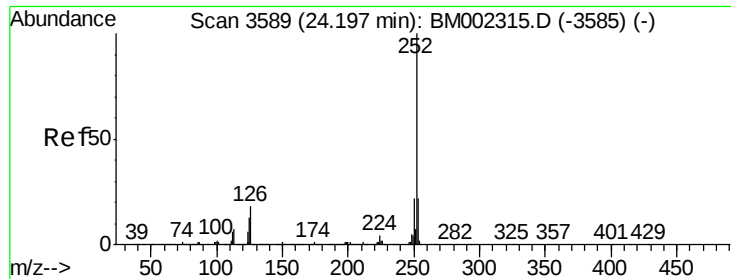
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#88
Benzo(b)fluoranthene
Concen: 26.18 ng/ul
RT: 24.15 min Scan# 3581
Delta R.T. 0.01 min
Lab File: BM002316.D
Acq: 10 Aug 2015 17:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	18.8	10.3	15.5





#89

Benzo(k)fluoranthene

Concen: 7.18 ng/ul m

RT: 24.20 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BM002316.D

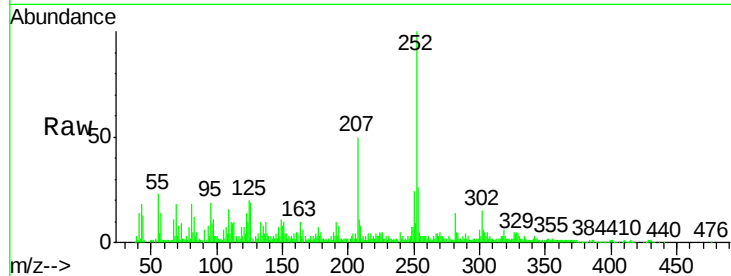
Acq: 10 Aug 2015 17:14

Instrument :

BNA_M

ClientSampleId :

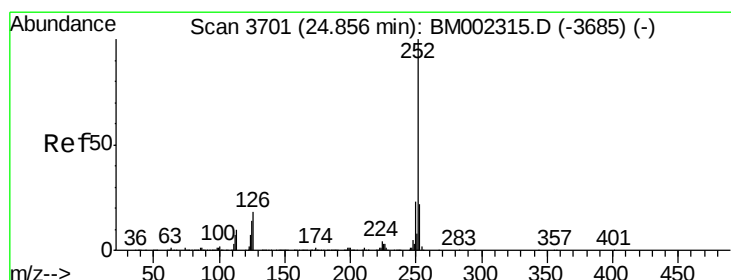
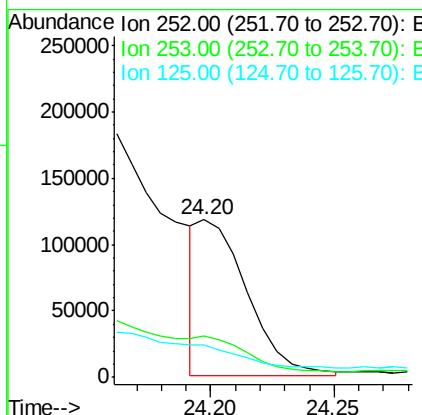
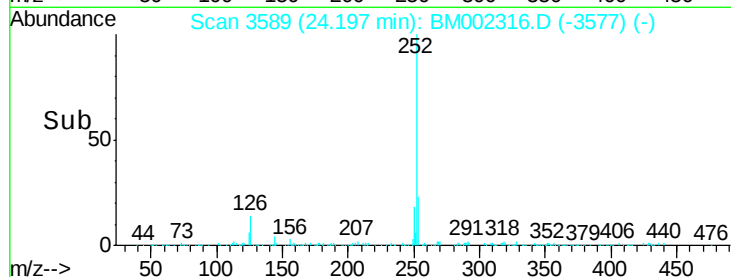
C02G6DL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.3	25.9#
125	20.2	10.2	15.4#

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#91

Benzo(a)pyrene

Concen: 19.94 ng/ul

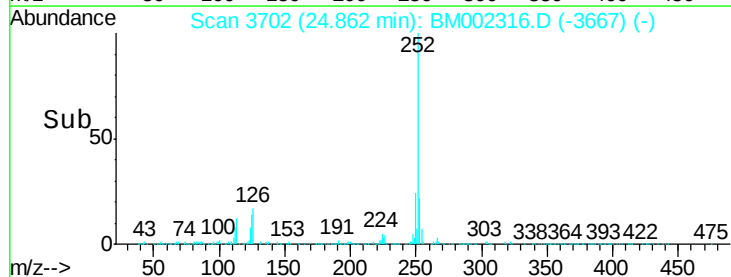
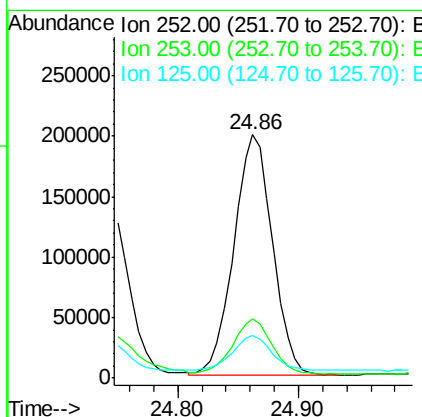
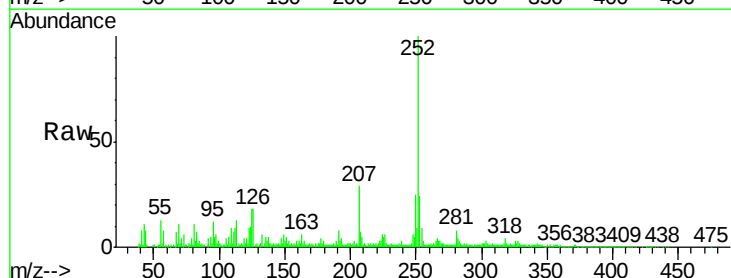
RT: 24.86 min Scan# 3702

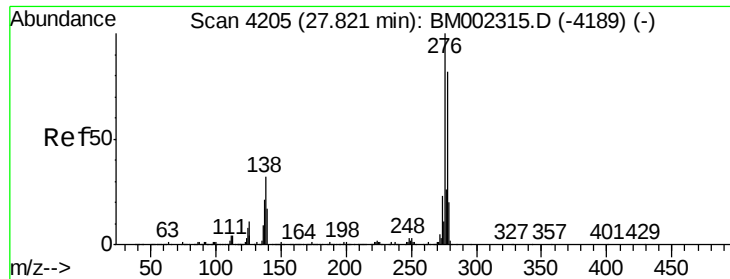
Delta R.T. 0.01 min

Lab File: BM002316.D

Acq: 10 Aug 2015 17:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.3	25.9
125	17.5	11.0	16.6#





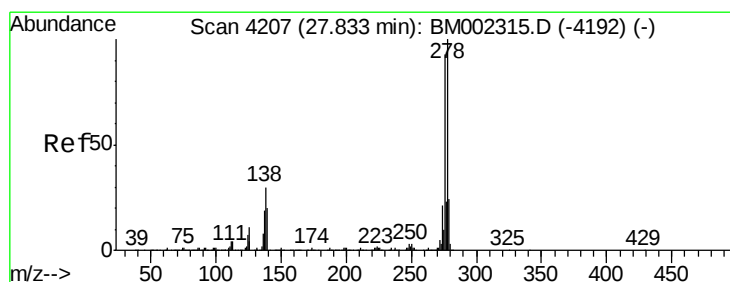
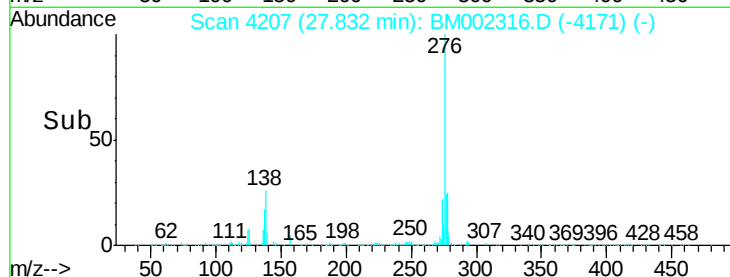
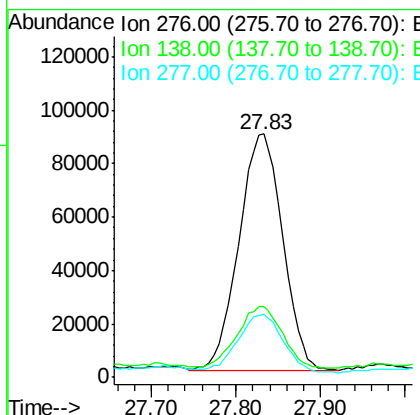
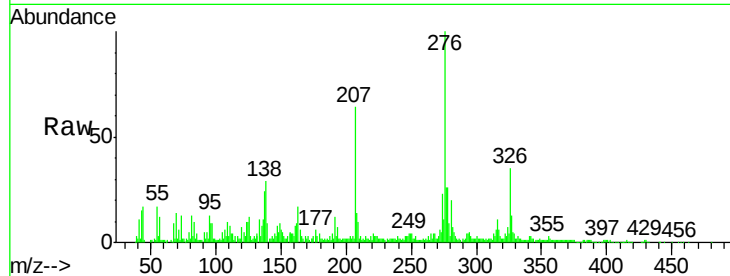
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 12.48 ng/ul
 RT: 27.83 min Scan# 4207
 Delta R.T. 0.01 min
 Lab File: BM002316.D
 Acq: 10 Aug 2015 17:14

Instrument :
 BNA_M
 ClientSampleId :
 C02G6DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.2	25.6	38.4
277	25.7	21.0	31.4

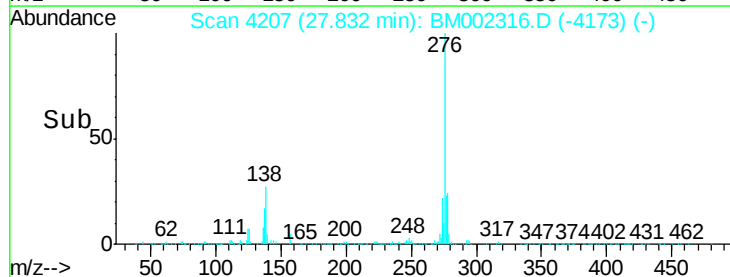
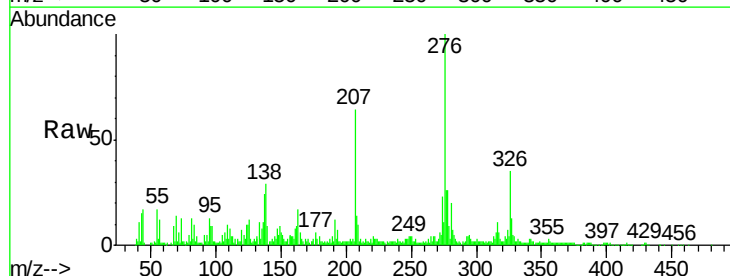
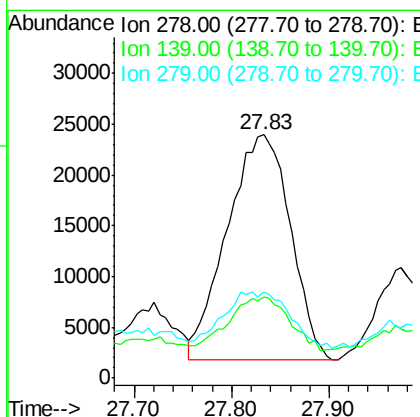
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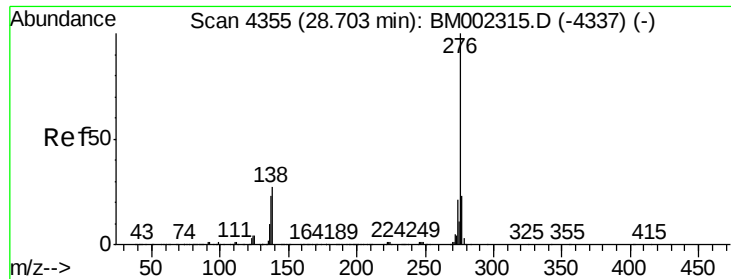
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 8/11/2015 10:53:03 AM



#93
 Dibenzo(a,h)anthracene
 Concen: 4.68 ng/ul
 RT: 27.83 min Scan# 4207
 Delta R.T. -0.00 min
 Lab File: BM002316.D
 Acq: 10 Aug 2015 17:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.3	16.4	24.6#
279	35.1	18.8	28.2#





#94

Benzo(g,h,i)perylene

Concen: 14.50 ng/ul

RT: 28.72 min Scan# 4358

Delta R.T. 0.02 min

Lab File: BM002316.D

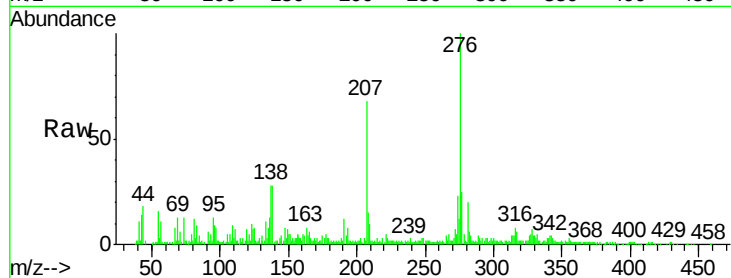
Acq: 10 Aug 2015 17:14

Instrument :

BNA_M

ClientSampleId :

C02G6DL



Tgt Ion:	276	Resp:	310854
Ion Ratio		Lower	Upper
276	100		
138	28.3	20.5	30.7
277	25.3	19.0	28.6

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