

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081015\
 Data File : BM002317.D
 Acq On : 10 Aug 2015 17:50
 Operator : UM/IZ
 Sample : G3065-09DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02A2DL

Manual Integrations
 APPROVED

MMDadoda
 8/11/2015 10:53:17 AM

Quant Time: Aug 11 03:56:12 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	215144	20.00	ng/ul	0.00
18) Naphthalene-d8	11.77	136	1013100	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.49	164	526590	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.20	188	1018543	20.00	ng/ul	0.00
78) Chrysene-d12	22.29	240	697075	20.00	ng/ul	0.00
86) Perylene-d12	24.99	264	657783	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.92	96	1162	0.25	ng/uL	0.00
5) Phenol-d5	7.99	99	32493	1.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	8.18	67	19982	1.74	ng/ul	0.00
9) 2-Chlorophenol-d4	8.41	132	28224	1.76	ng/ul	0.00
13) 4-Methylphenol-d8	9.59	113	27442	1.65	ng/ul	0.00
19) Nitrobenzene-d5	10.09	128	14940	1.97	ng/ul	0.00
22) 2-Nitrophenol-d4	10.83	143	12706	1.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.37	165	26369	1.79	ng/ul	0.00
29) 4-Chloroaniline-d4	11.86	131	33532	1.71	ng/ul	-0.02
44) Dimethylphthalate-d6	14.86	166	82761	1.91	ng/ul	0.00
47) Acenaphthylene-d8	15.19	160	110550	2.03	ng/ul	0.00
52) 4-Nitrophenol-d4	15.62	143	7484	0.96	ng/ul	0.00
58) Fluorene-d10	16.46	176	76784	2.02	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	18.29	188	103844	2.10	ng/ul	0.00
79) Pyrene-d10	20.51	212	93691	2.77	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.81	264	74858	2.14	ng/ul	0.00

Target Compounds

						Qvalue
16) 4-Methylphenol	9.65	108	55643	3.22	ng/ul	94
24) 2,4-Dimethylphenol	10.89	107	117475m	6.27	ng/ul	
28) Naphthalene	11.83	128	179222	3.36	ng/ul	99
34) 2-Methylnaphthalene	13.37	142	126262	3.31	ng/ul	99
35) 1-Methylnaphthalene	13.58	142	81835m	2.18	ng/ul	
45) Dimethylphthalate	14.90	163	165722	3.75	ng/ul#	94
50) Acenaphthene	15.54	153	92520	2.43	ng/ul	98
54) Dibenzofuran	15.87	168	74904	1.47	ng/ul	97
59) Fluorene	16.51	166	116488	2.72	ng/ul#	93
70) Phenanthrene	18.24	178	794691	13.56	ng/ul	99
72) Anthracene	18.33	178	205456	3.39	ng/ul	97
75) Carbazole	18.58	167	80713	1.47	ng/ul#	87
77) Fluoranthene	20.19	202	876152	14.12	ng/ul	99
80) Pyrene	20.54	202	784364	17.41	ng/ul	99
81) Butylbenzylphthalate	21.36	149	92900	4.17	ng/ul	97
83) Benzo(a)anthracene	22.27	228	292098	6.86	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	22.12	149	1816221	56.41	ng/ul	99
85) Chrysene	22.33	228	295971	7.34	ng/ul#	94
88) Benzo(b)fluoranthene	24.15	252	360382	8.81	ng/ul#	81
89) Benzo(k)fluoranthene	24.20	252	133029m	3.39	ng/ul	
91) Benzo(a)pyrene	24.86	252	261113	6.67	ng/ul#	78
92) Indeno(1,2,3-cd)pyrene	27.83	276	188167	4.20	ng/ul	96
94) Benzo(g,h,i)perylene	28.72	276	180812	4.78	ng/ul#	90

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Sample : G3065-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02A2DL

Manual Integrations
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Quant Time: Aug 11 03:56:12 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

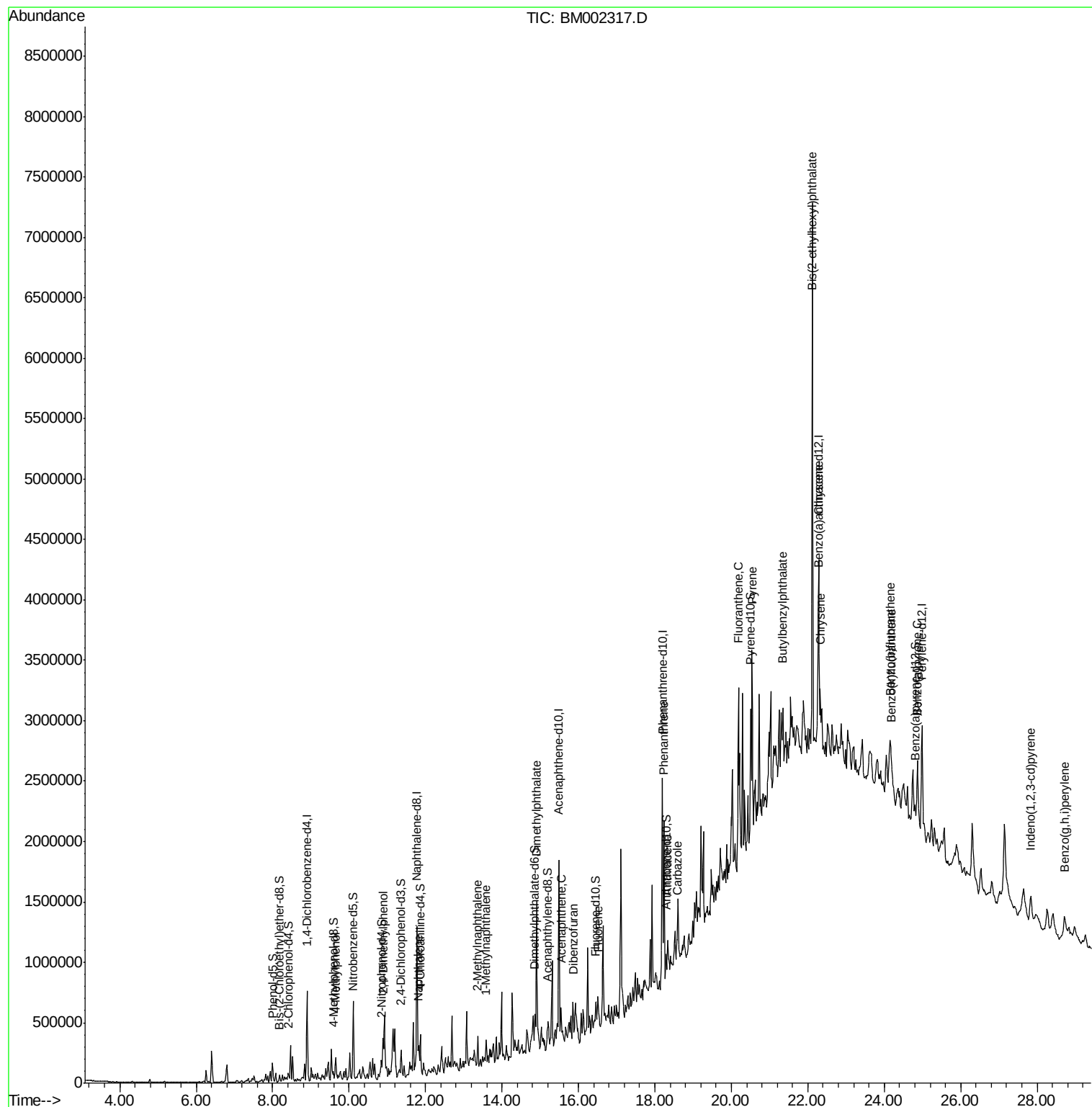
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081015\
Data File : BM002317.D
Acq On : 10 Aug 2015 17:50
Operator : UM/IZ
Sample : G3065-09DL 5X
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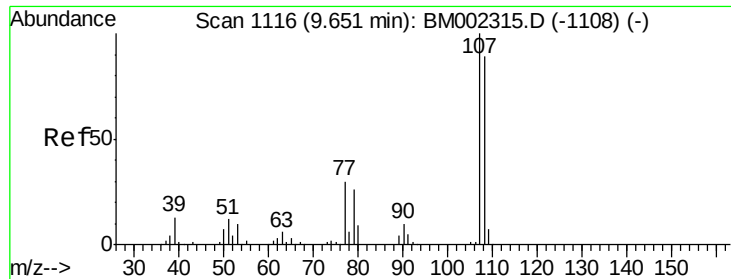
Instrument :
BNA_M
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C02A2DL

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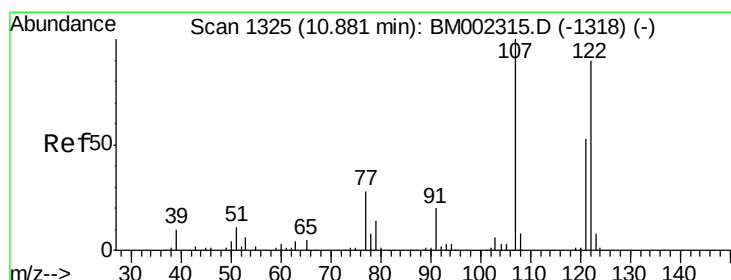
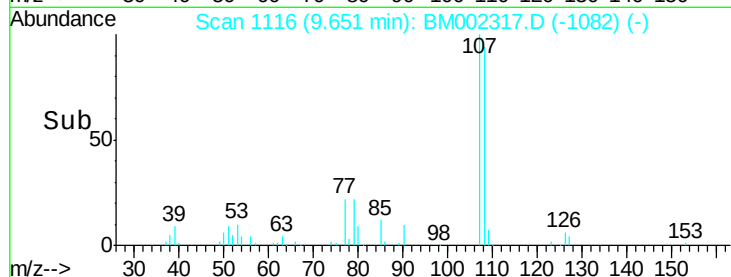
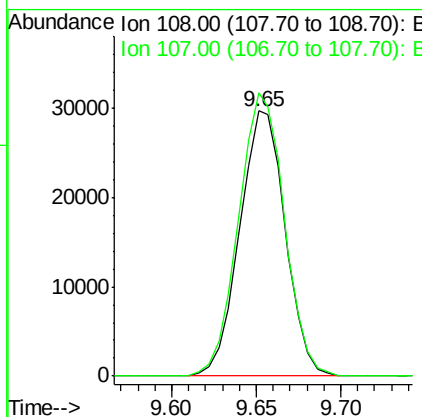
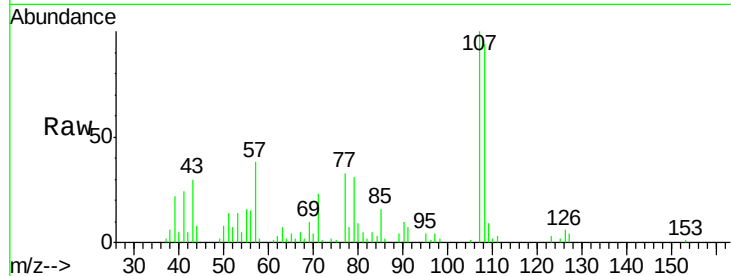
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4-Methylphenol
Concen: 3.22 ng/ul
RT: 9.65 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

Instrument :
BNA_M
ClientSampleId :
C02A2DL

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	55643		
107	106.6	90.9	136.3	

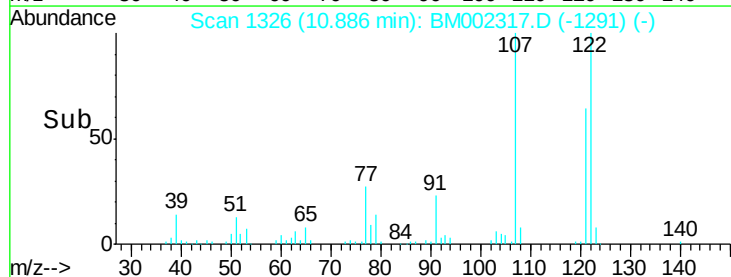
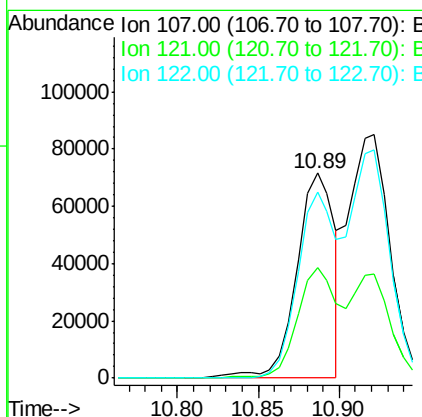
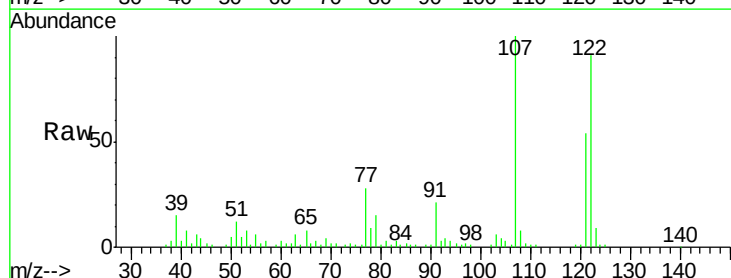
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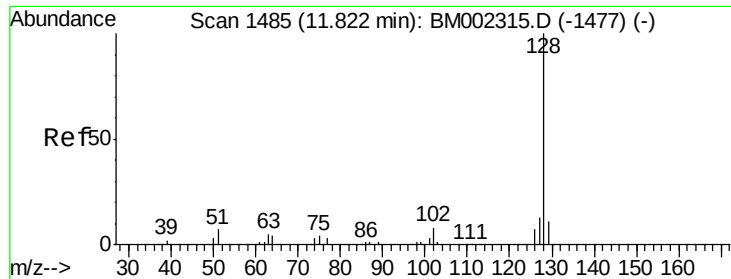
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#24
2,4-Dimethylphenol
Concen: 6.27 ng/ul m
RT: 10.89 min Scan# 1326
Delta R.T. 0.01 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	117475		
121	54.2	41.8	62.6	
122	90.8	71.2	106.8	





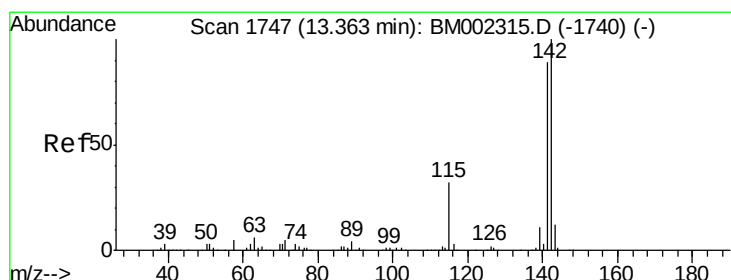
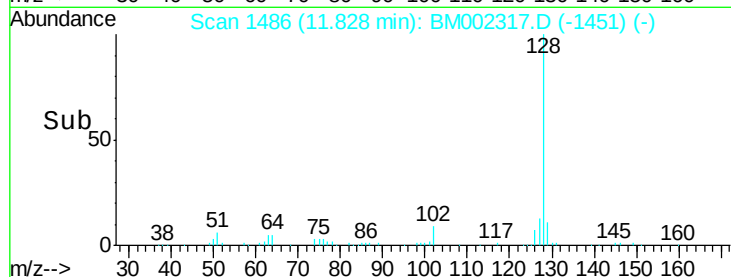
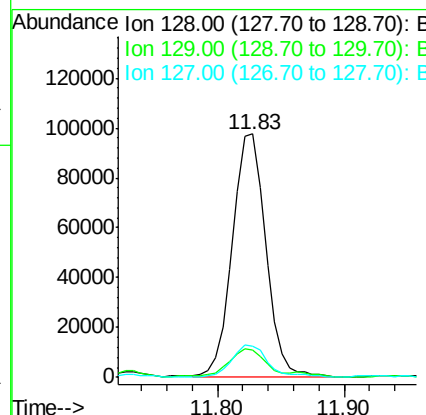
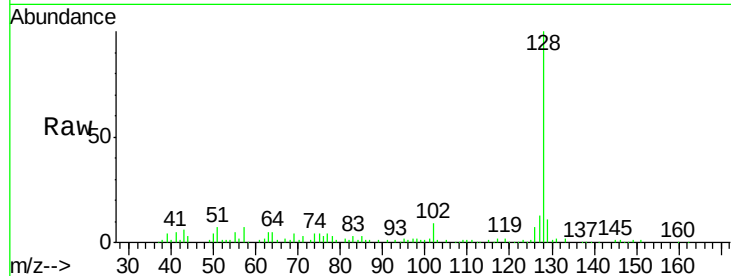
#28
Naphthalene
Concen: 3.36 ng/ul
RT: 11.83 min Scan# 1486
Delta R.T. 0.01 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

Instrument :
BNA_M
ClientSampleId :
C02A2DL

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	179222		
129	11.2	8.6	12.8	
127	12.9	10.4	15.6	

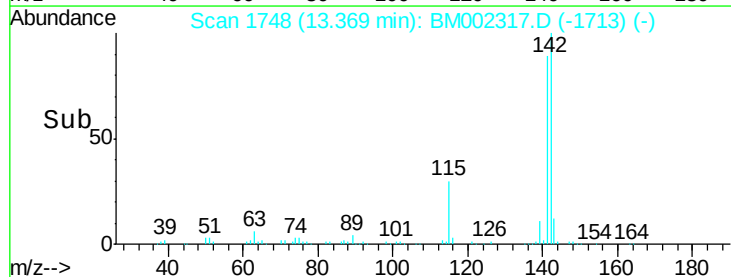
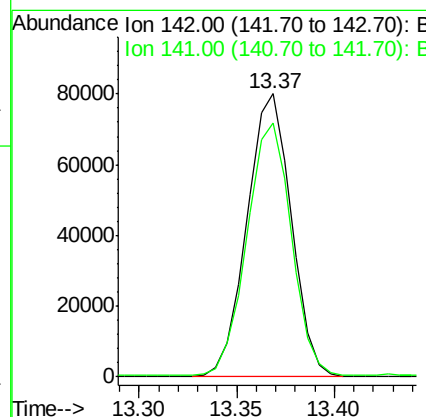
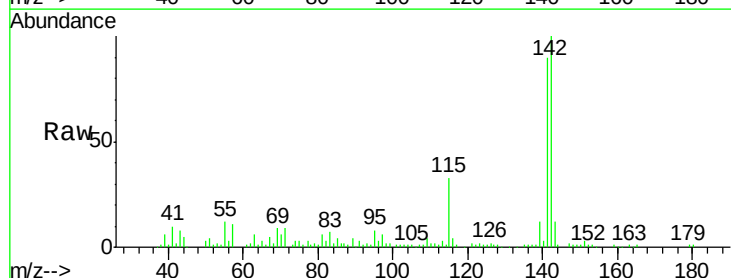
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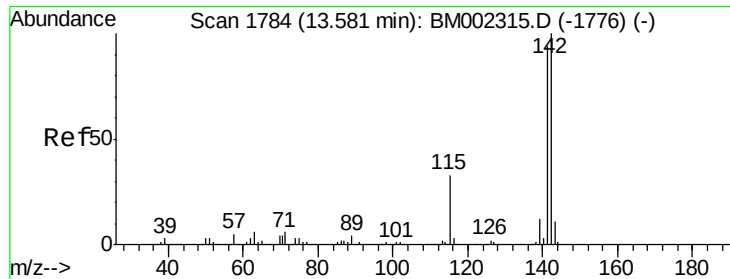
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#34
2-Methylnaphthalene
Concen: 3.31 ng/ul
RT: 13.37 min Scan# 1748
Delta R.T. 0.01 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	126262		
141	89.7	72.5	108.7	





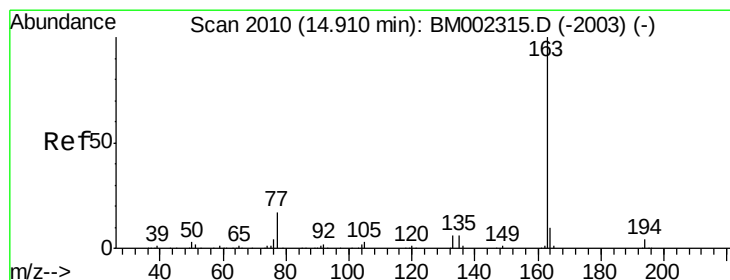
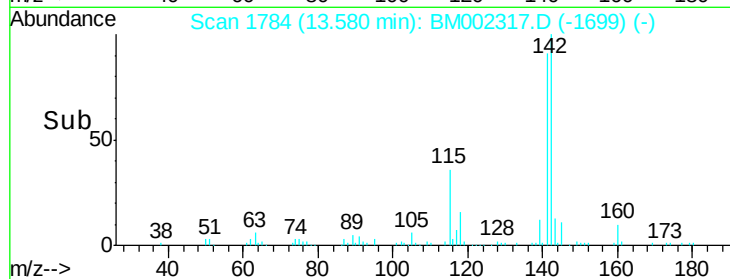
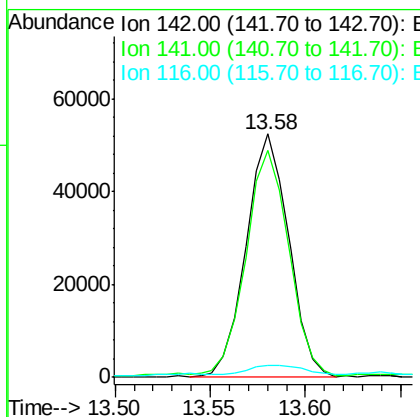
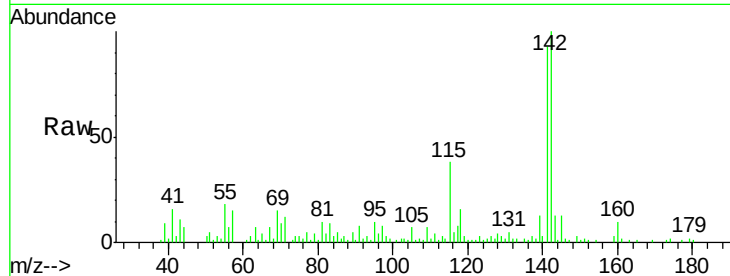
#35
1-Methylnaphthalene
Concen: 2.18 ng/ul m
RT: 13.58 min Scan# 1784
Delta R.T. -0.00 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

Instrument :
BNA_M
ClientSampleId :
C02A2DL

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	81835		
141	93.2	74.5	111.7	
116	4.8	3.0	4.4#	

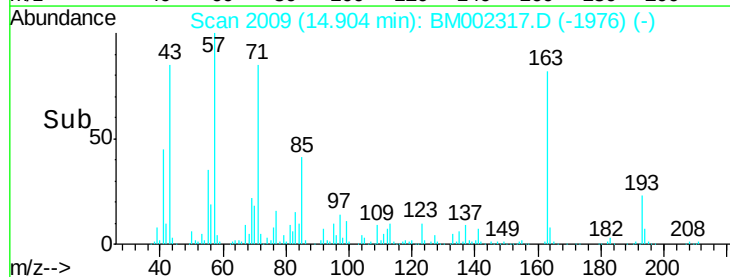
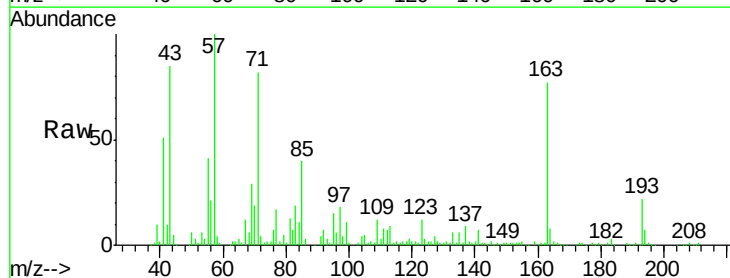
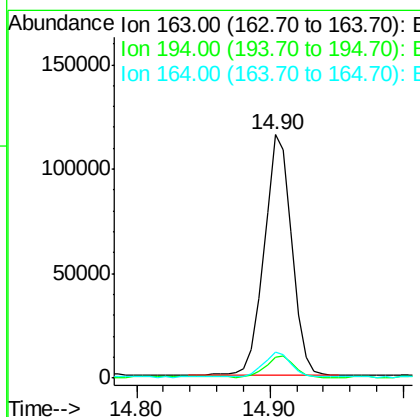
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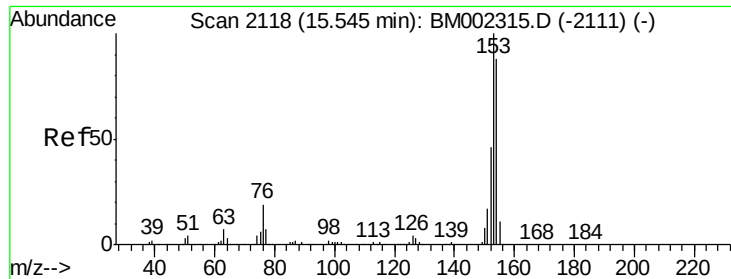
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#45
Dimethylphthalate
Concen: 3.75 ng/ul
RT: 14.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	165722		
194	8.7	3.2	4.8#	
164	10.7	7.9	11.9	





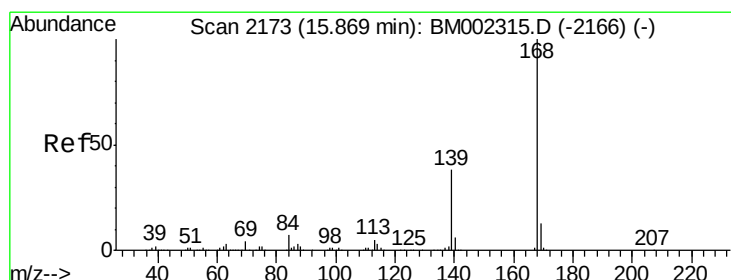
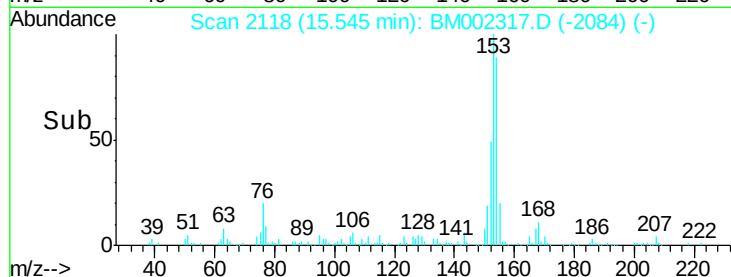
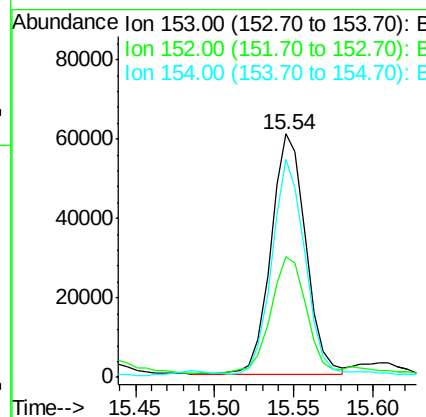
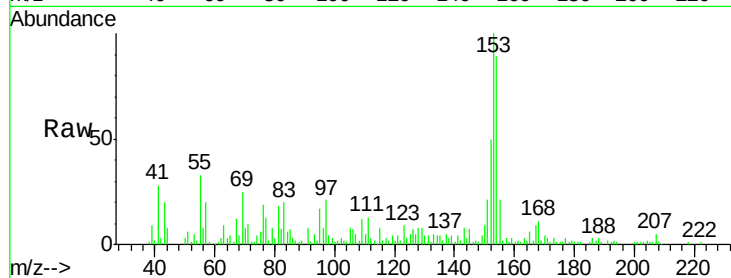
#50
Acenaphthene
Concen: 2.43 ng/ul
RT: 15.54 min Scan# 2118
Delta R.T. -0.00 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

Instrument :
BNA_M
ClientSampleId :
C02A2DL

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.7	36.6	55.0
154	89.4	71.5	107.3

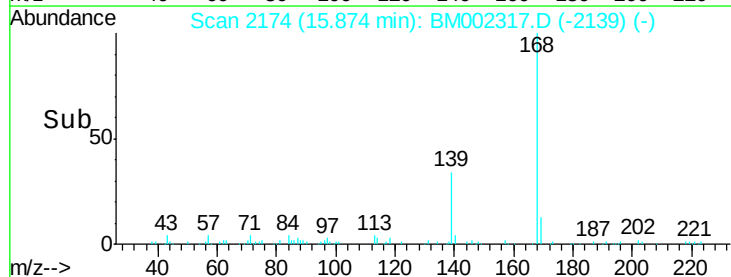
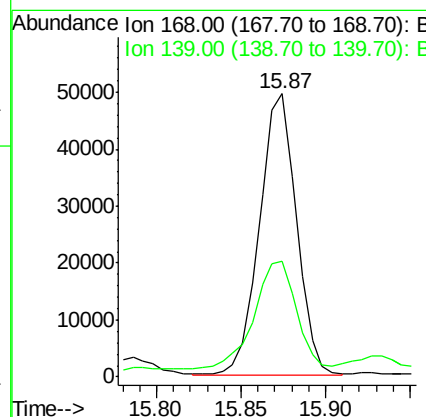
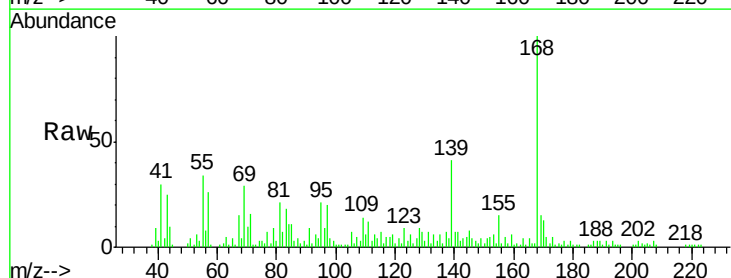
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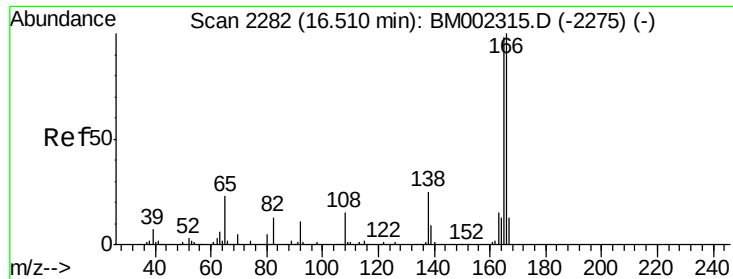
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#54
Dibenzofuran
Concen: 1.47 ng/ul
RT: 15.87 min Scan# 2174
Delta R.T. 0.01 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.7	31.3	46.9





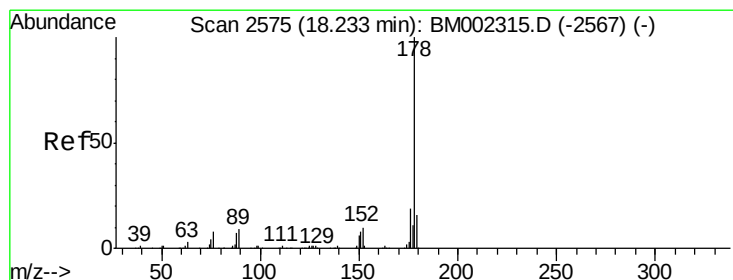
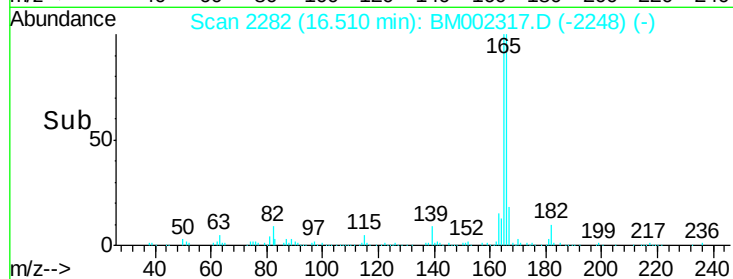
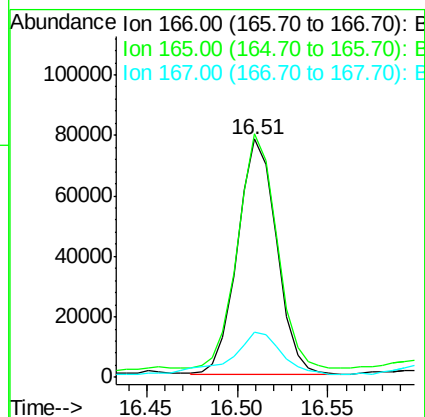
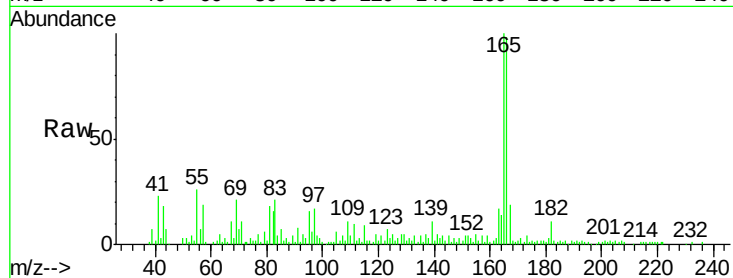
#59
 Fluorene
 Concen: 2.72 ng/ul
 RT: 16.51 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: BM002317.D
 Acq: 10 Aug 2015 17:50

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
166	100	116488		
165	102.3	77.5	116.3	
167	19.2	10.4	15.6	

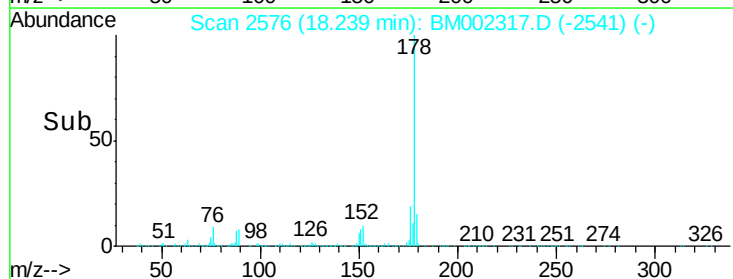
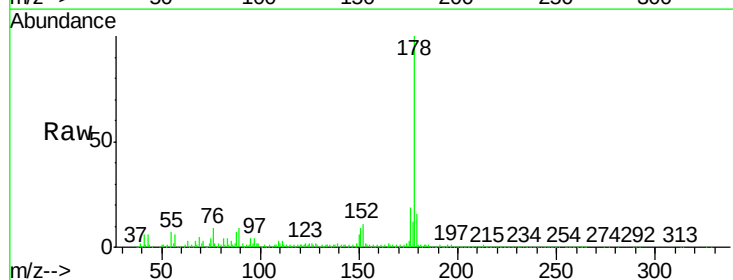
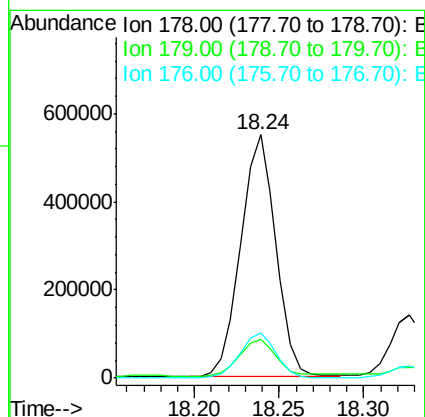
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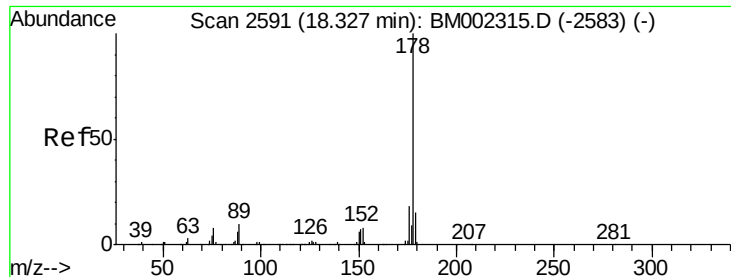
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#70
 Phenanthrene
 Concen: 13.56 ng/ul
 RT: 18.24 min Scan# 2576
 Delta R.T. 0.01 min
 Lab File: BM002317.D
 Acq: 10 Aug 2015 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	794691		
179	15.9	12.3	18.5	
176	18.7	15.3	22.9	





#72

Anthracene

Concen: 3.39 ng/ul

RT: 18.33 min Scan# 2591

Delta R.T. -0.00 min

Lab File: BM002317.D

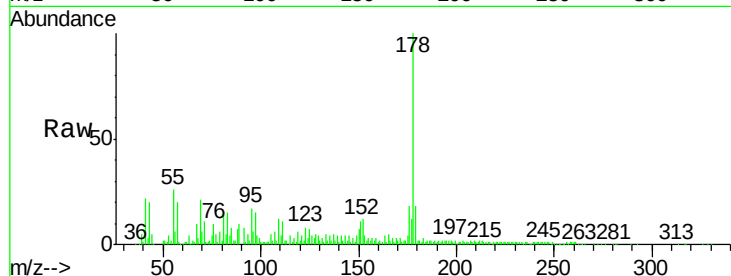
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Instrument :

BNA_M

ClientSampleId :

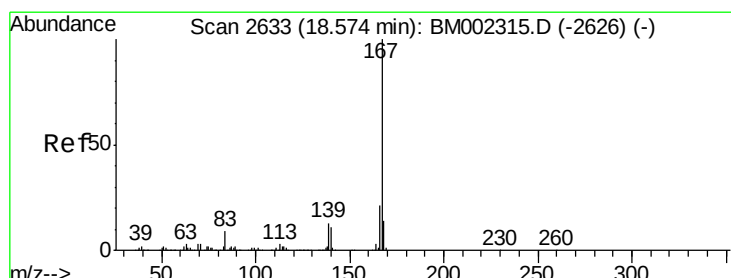
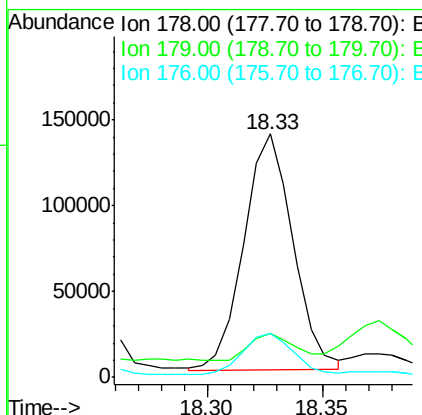
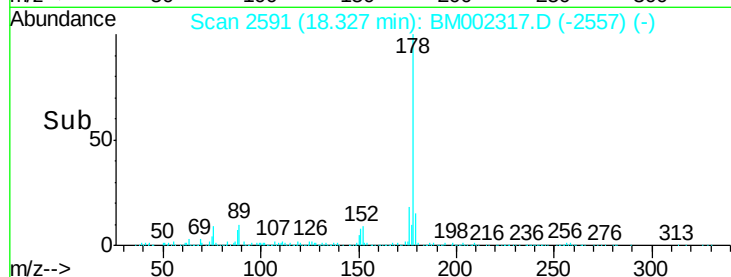
C02A2DL



Tgt Ion	Ratio	Resp	Lower	Upper
178	100	205456		
179	18.0	12.3	18.5	
176	18.3	14.5	21.7	

Manual Integrations
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#75

Carbazole

Concen: 1.47 ng/ul

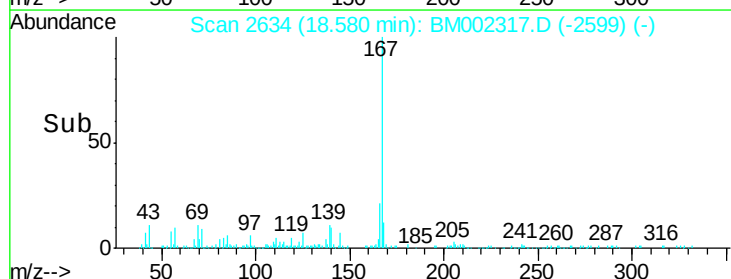
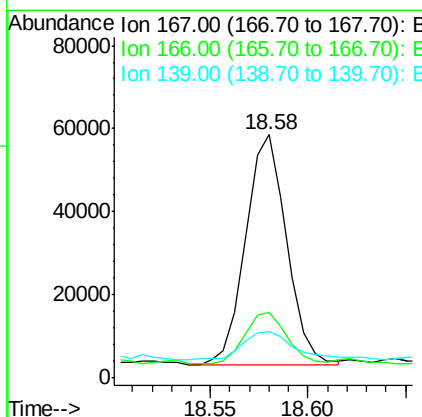
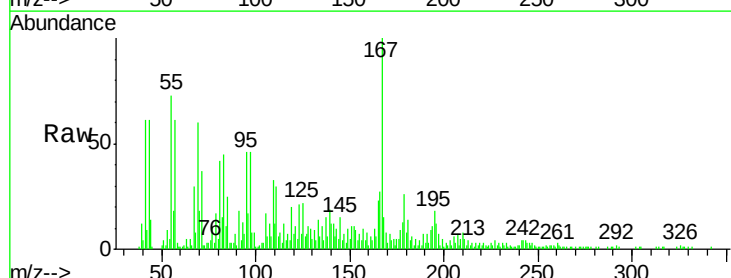
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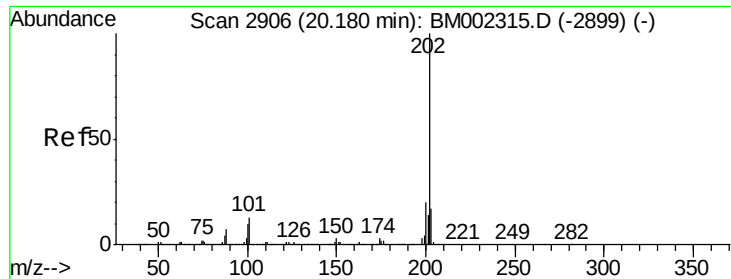
Delta R.T. 0.01 min

Lab File: BM002317.D

Acq: 10 Aug 2015 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	80713		
166	26.7	17.0	25.6#	
139	19.2	10.8	16.2#	





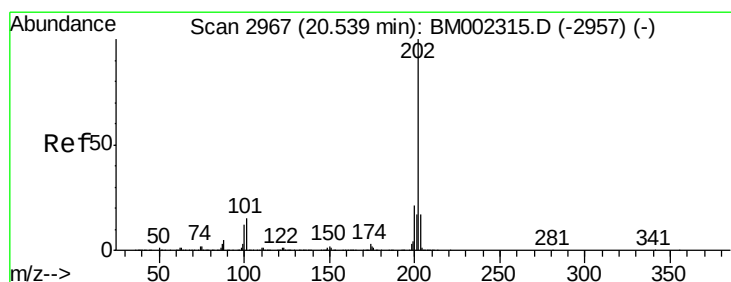
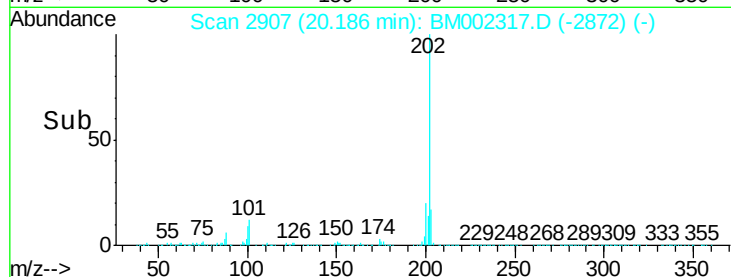
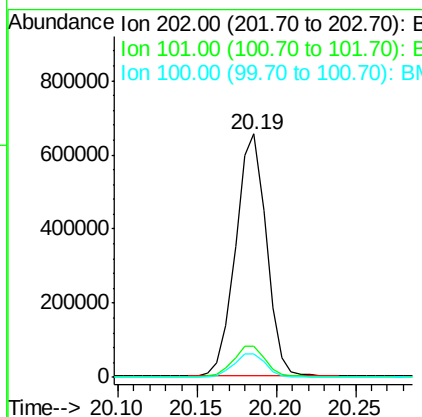
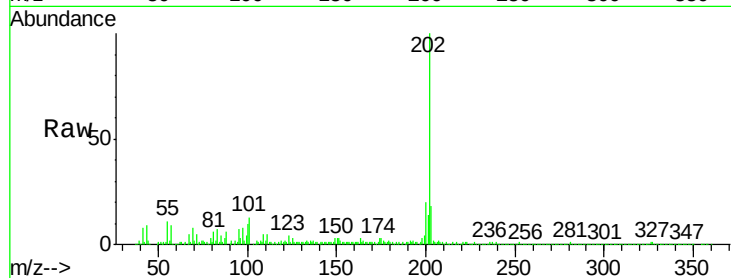
#77
Fluoranthene
Concen: 14.12 ng/ul
RT: 20.19 min Scan# 2907
Delta R.T. 0.01 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

Instrument :
BNA_M
ClientSampleId :
C02A2DL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	876152		
101	12.8	10.6	15.8	
100	9.6	8.2	12.4	

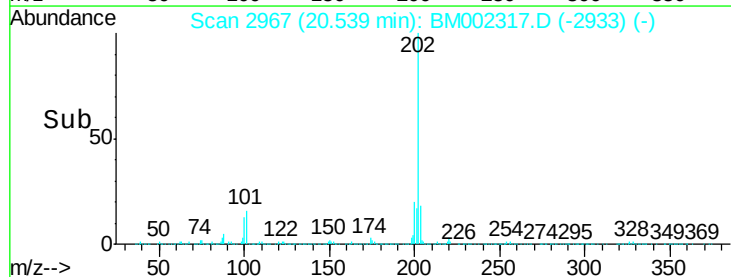
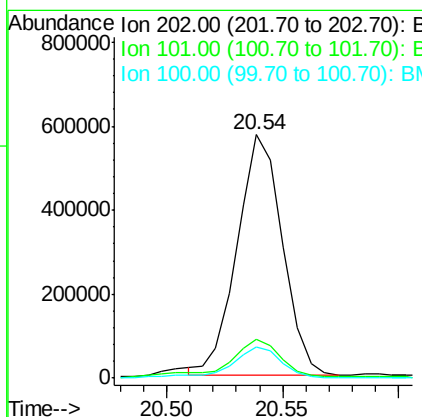
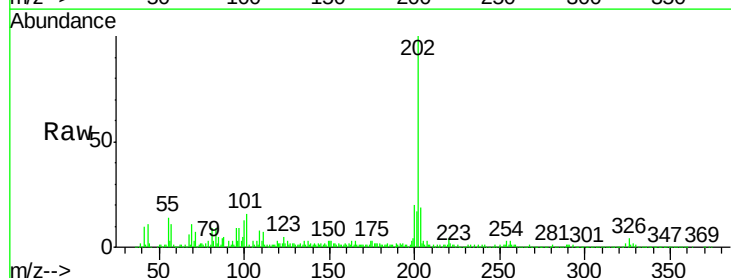
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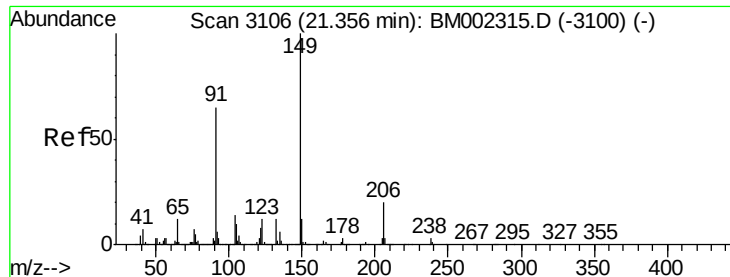
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#80
Pyrene
Concen: 17.41 ng/ul
RT: 20.54 min Scan# 2967
Delta R.T. -0.00 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	784364		
101	15.8	13.0	19.6	
100	13.0	11.0	16.4	





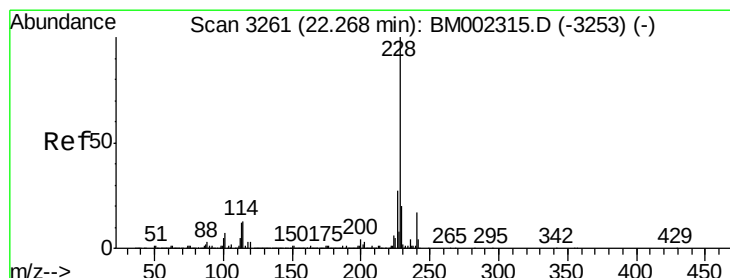
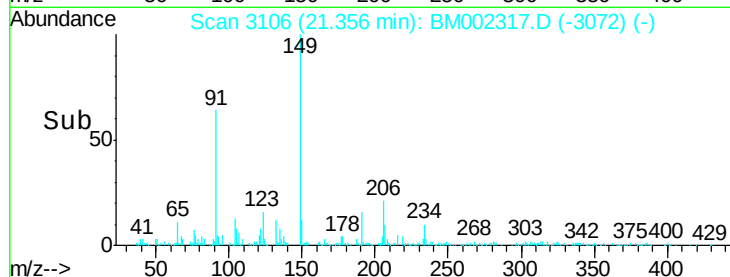
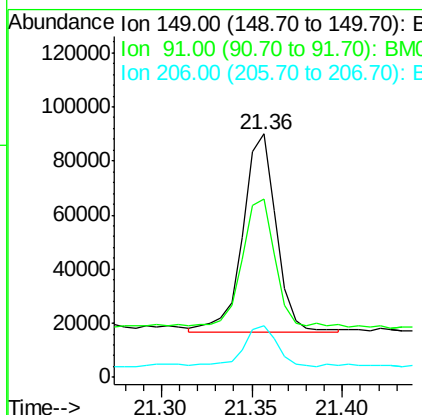
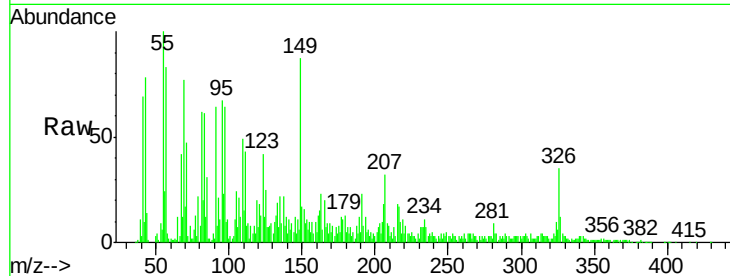
#81
Butylbenzylphthalate
Concen: 4.17 ng/ul
RT: 21.36 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

Instrument :
BNA_M
ClientSampleId :
C02A2DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	73.5	57.5	86.3
206	21.1	15.2	22.8

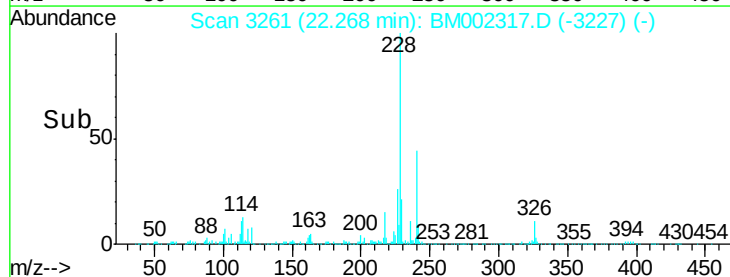
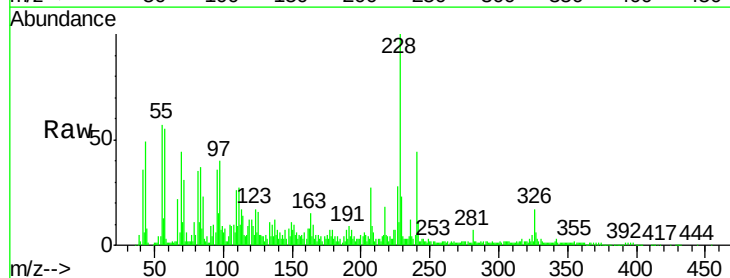
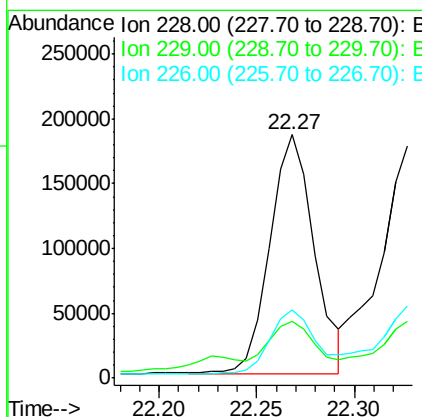
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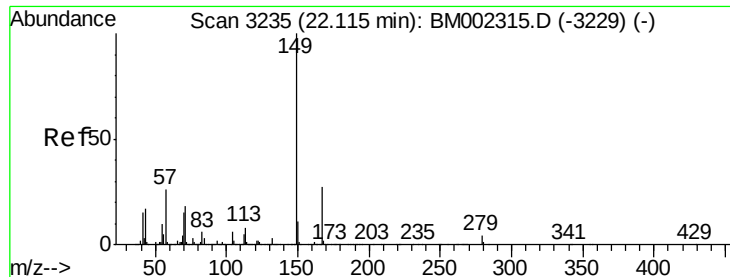
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#83
Benzo(a)anthracene
Concen: 6.86 ng/ul
RT: 22.27 min Scan# 3261
Delta R.T. -0.00 min
Lab File: BM002317.D
Acq: 10 Aug 2015 17:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	23.5	15.7	23.5
226	27.9	21.4	32.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 56.41 ng/ul

RT: 22.12 min Scan# 3235

Delta R.T. -0.00 min

Lab File: BM002317.D

Acq: 10 Aug 2015 17:50

Instrument :

BNA_M

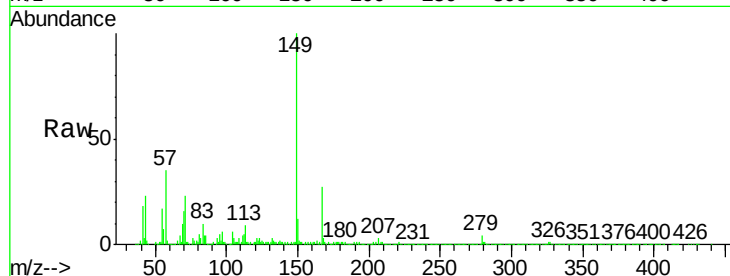
ClientSampleId :

C02A2DL

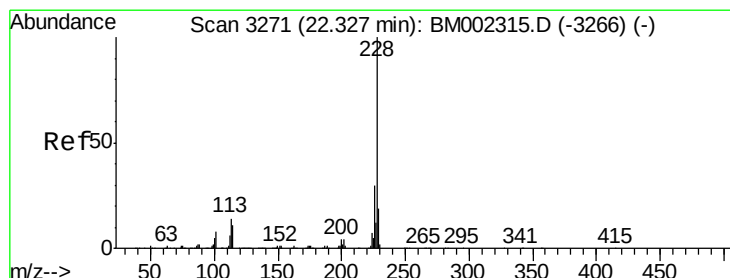
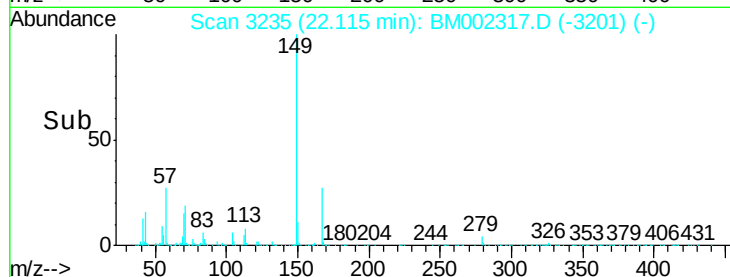
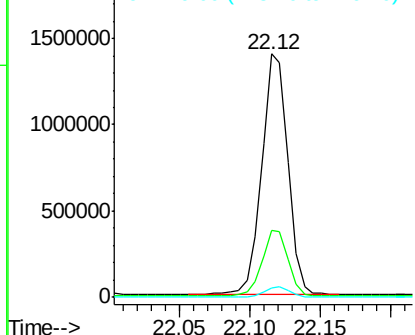
Tgt Ion:	149	Resp:	1816221
Ion Ratio	Lower	Upper	
149	100		
167	27.4	21.4	32.2
279	3.9	3.2	4.8

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



#85

Chrysene

Concen: 7.34 ng/ul

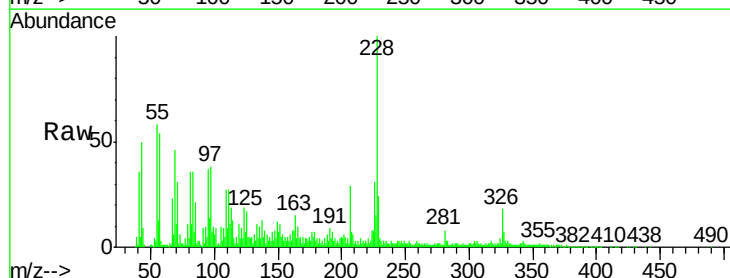
RT: 22.33 min Scan# 3271

Delta R.T. -0.00 min

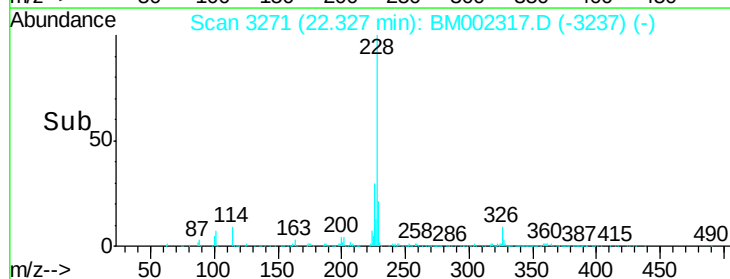
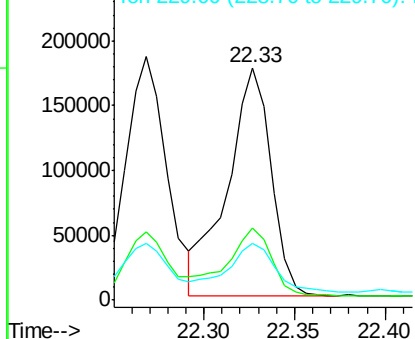
Lab File: BM002317.D

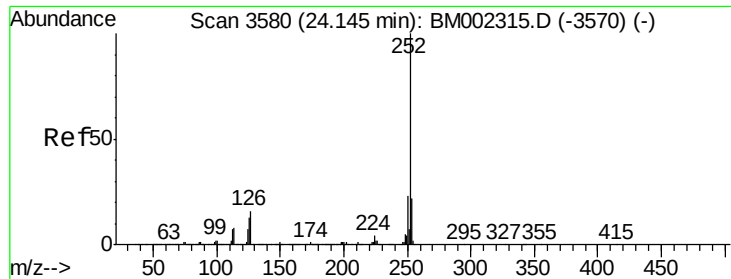
Acq: 10 Aug 2015 17:50

Tgt Ion:	228	Resp:	295971
Ion Ratio	Lower	Upper	
228	100		
226	30.9	23.4	35.0
229	24.2	15.5	23.3#



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: 8.81 ng/ul

RT: 24.15 min Scan# 3581

Delta R.T. 0.01 min

Lab File: BM002317.D

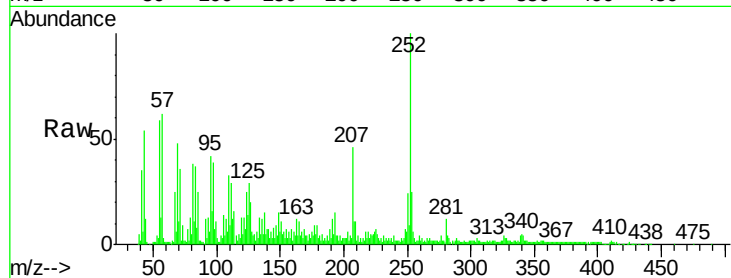
Acq: 10 Aug 2015 17:50

Instrument :

BNA_M

ClientSampleId :

C02A2DL



Tgt Ion: 252 Resp: 360382

Ion Ratio Lower Upper

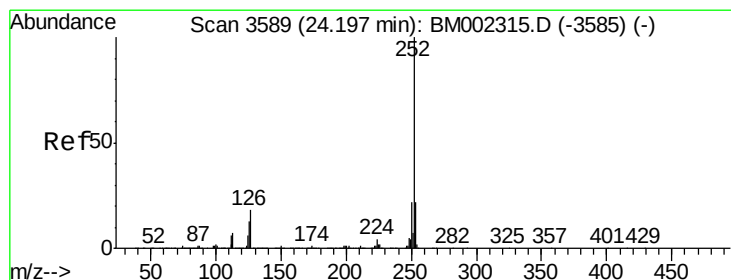
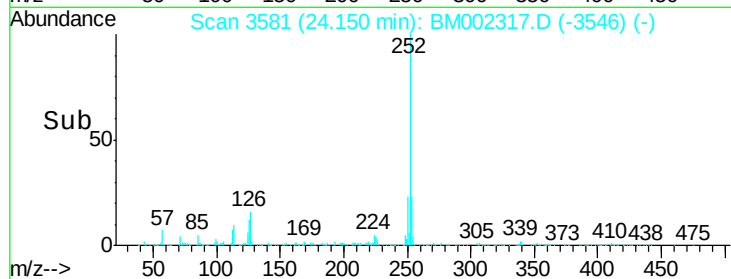
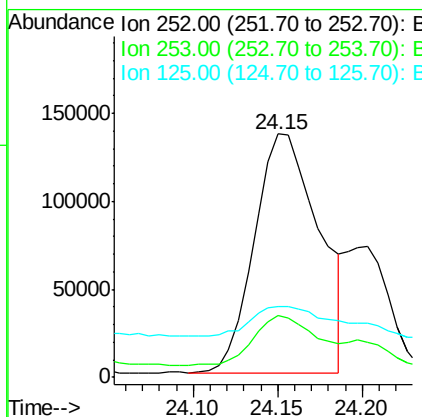
252 100

253 25.3 17.9 26.9

125 29.2 10.3 15.5#

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#89

Benzo(k)fluoranthene

Concen: 3.39 ng/ul m

RT: 24.20 min Scan# 3590

Delta R.T. 0.01 min

Lab File: BM002317.D

Acq: 10 Aug 2015 17:50

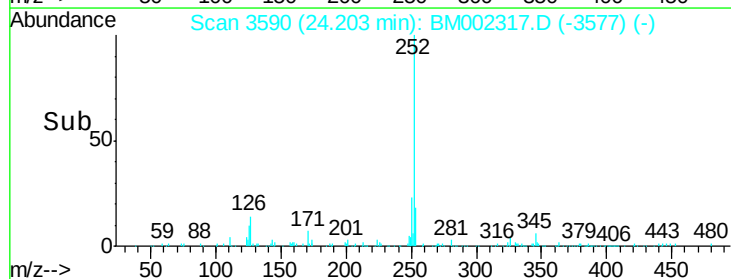
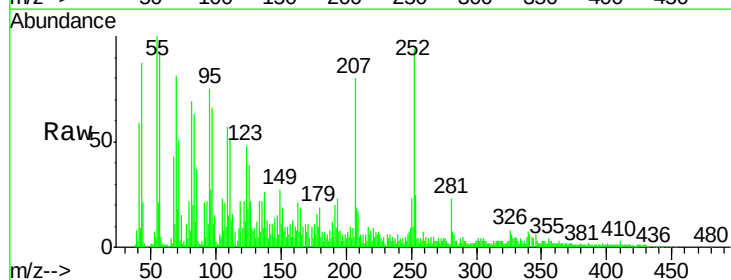
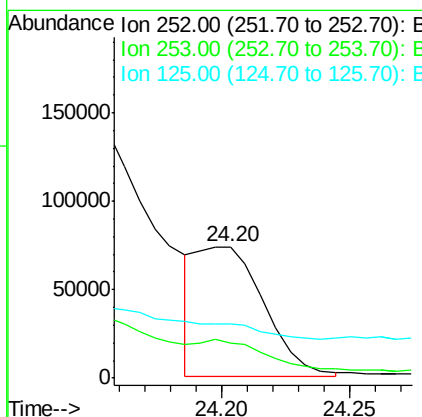
Tgt Ion: 252 Resp: 133029

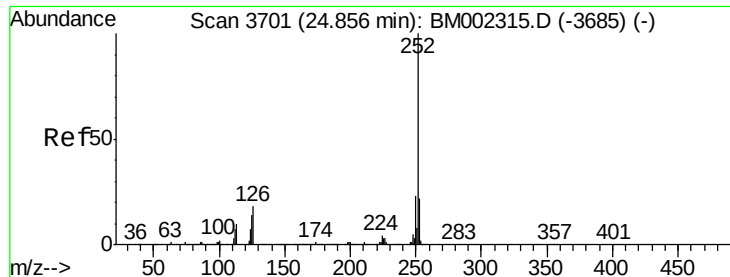
Ion Ratio Lower Upper

252 100

253 27.0 17.3 25.9#

125 41.4 10.2 15.4#





#91

Benzo(a)pyrene

Concen: 6.67 ng/ul

RT: 24.86 min Scan# 3702

Delta R.T. 0.01 min

Lab File: BM002317.D

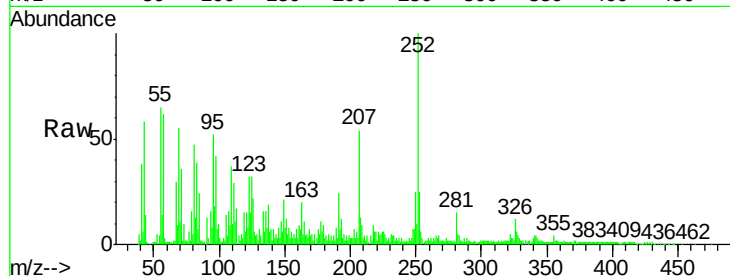
Acq: 10 Aug 2015 17:50

Instrument :

BNA_M

ClientSampleId :

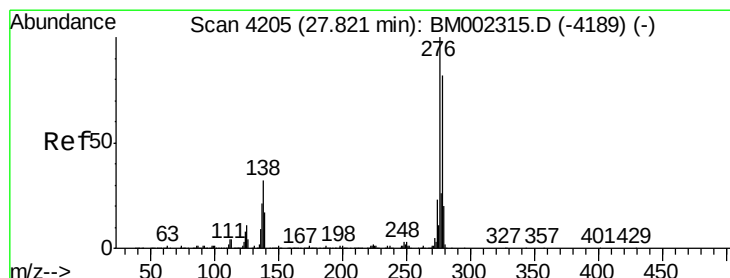
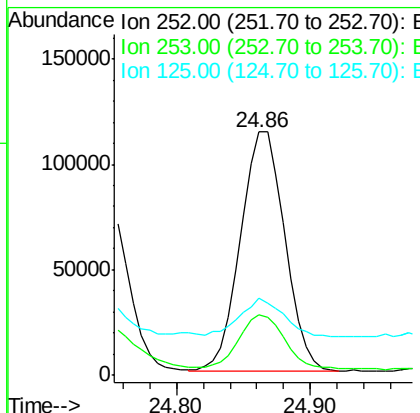
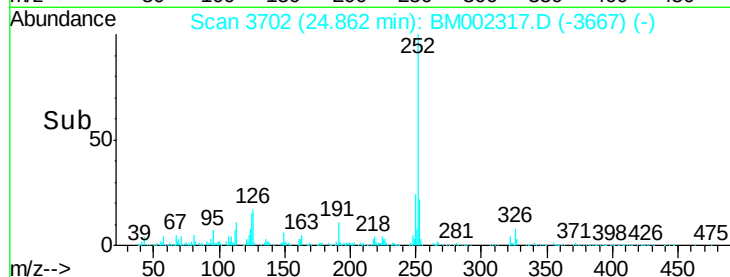
C02A2DL



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	261113		
253	25.1	17.3	25.9	
125	31.7	11.0	16.6#	

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#92

Indeno(1,2,3-cd)pyrene

Concen: 4.20 ng/ul

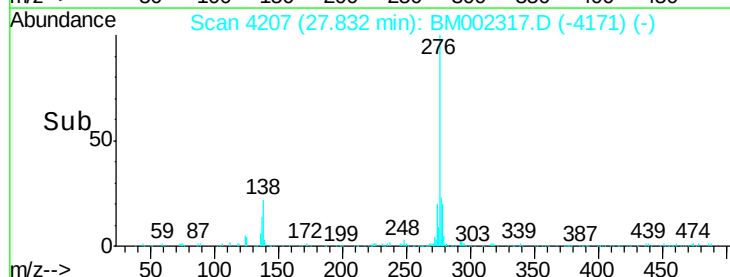
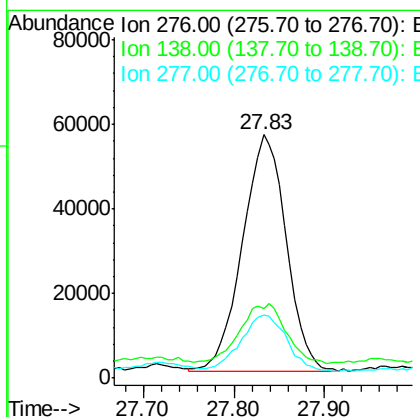
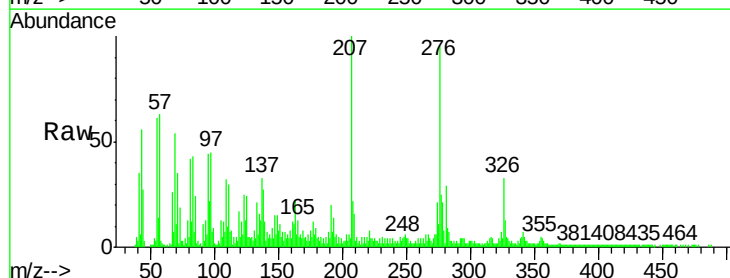
RT: 27.83 min Scan# 4207

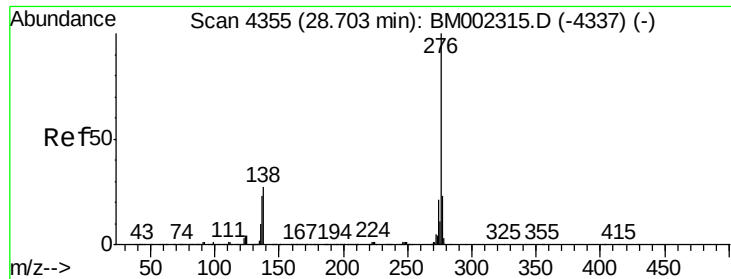
Delta R.T. 0.01 min

Lab File: BM002317.D

Acq: 10 Aug 2015 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	188167		
138	28.6	25.6	38.4	
277	25.9	21.0	31.4	





#94

Benzo(g,h,i)perylene

Concen: 4.78 ng/ul

RT: 28.72 min Scan# 4358

Delta R.T. 0.02 min

Lab File: BM002317.D

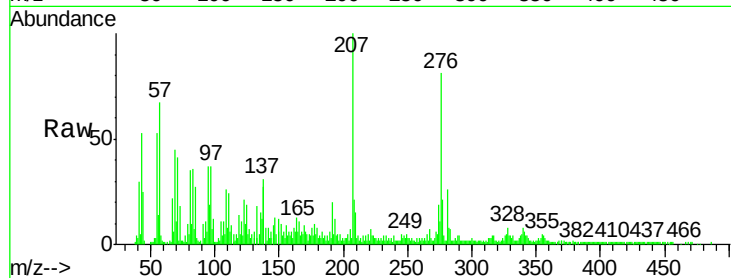
Acq: 10 Aug 2015 17:50

Instrument :

BNA_M

ClientSampleId :

C02A2DL



Tgt	Ion	Ratio	Lower	Upper
276	100			
138	33.6	20.5	30.7	#
277	25.8	19.0	28.6	

Manual Integrations
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