

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
 Data File : BM007107.D
 Acq On : 14 Aug 2016 14:40
 Operator : UM/SJ
 Sample : H4387-22MS
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PR002-SS001-1218-01MS

Manual Integrations
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Quant Time: Aug 15 15:14:27 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 15 10:34:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	279463	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1090536	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	621567	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1399045	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	1624512	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	1839385	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	22682	3.55	ng/uL	0.00
5) Phenol-d5	6.97	99	442819	19.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	265273	20.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	374868	20.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	323713	17.38	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	178162	22.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	203258	24.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	371150	20.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	265227	12.58	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	1124455	21.89	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1416094	22.96	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	150872	16.39	ng/ul	0.00
57) Fluorene-d10	15.43	176	996575	22.20	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	109827	14.21	ng/ul	0.00
70) Anthracene-d10	17.29	188	1532045	23.64	ng/ul	0.00
76) Pyrene-d10	19.58	212	1731974	25.26	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	1938169	23.04	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.00	94	516816	21.67	ng/ul	99
10) 2-Chlorophenol	7.37	128	383648	20.80	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.61	70	304223	20.38	ng/ul	96
28) Naphthalene	10.65	128	77730	1.44	ng/ul	99
33) 4-Chloro-3-methylphenol	11.87	107	413547	21.44	ng/ul	99
34) 2-Methylnaphthalene	12.26	142	93434	2.24	ng/ul	95
44) Dimethylphthalate	13.90	163	837784	16.32	ng/ul	99
47) Acenaphthylene	14.16	152	1171116	18.44	ng/ul	99
49) Acenaphthene	14.50	153	1009530	24.49	ng/ul	100
52) 4-Nitrophenol	14.64	109	160404	17.15	ng/ul	96
54) 2,4-Dinitrotoluene	14.80	165	344281	23.39	ng/ul#	99
58) Fluorene	15.49	166	337489	6.84	ng/ul#	94
68) Pentachlorophenol	16.83	266	226807	20.57	ng/ul	98
69) Phenanthrene	17.23	178	4494271	59.74	ng/ul	99
71) Anthracene	17.32	178	1056161	13.68	ng/ul	98
74) Fluoranthene	19.24	202	4929952	54.02	ng/ul	99
77) Pyrene	19.62	202	9941560	110.69	ng/ul	97
80) Benzo(a)anthracene	21.36	228	3498457m	36.45	ng/ul	
82) Chrysene	21.41	228	4100696	46.75	ng/ul	95
85) Benzo(b)fluoranthene	22.97	252	3022357m	27.28	ng/ul	
86) Benzo(k)fluoranthene	23.00	252	1019868m	9.80	ng/ul	
88) Benzo(a)pyrene	23.56	252	2998479	28.55	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.96	276	1717259	13.34	ng/ul	97

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PR002-SS001-1218-01MS

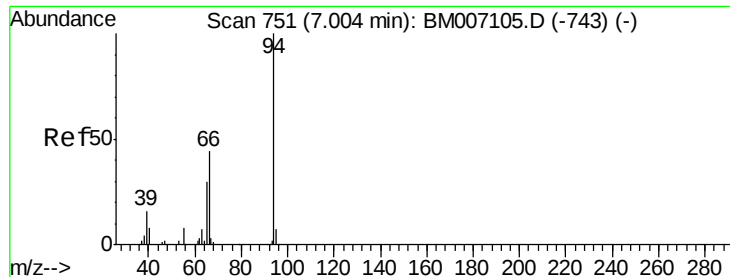
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Quant Time: Aug 15 15:14:27 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 10:34:14 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.96	278	513523	4.75	ng/ul#	83
91) Benzo(g,h,i)perylene	26.66	276	1883701	17.31	ng/ul	98

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



#6

Phenol

Concen: 21.67 ng/ul

RT: 7.00 min Scan# 751

Delta R.T. 0.00 min

Lab File: BM007107.D

Acq: 14 Aug 2016 14:40

Instrument :

BNA_M

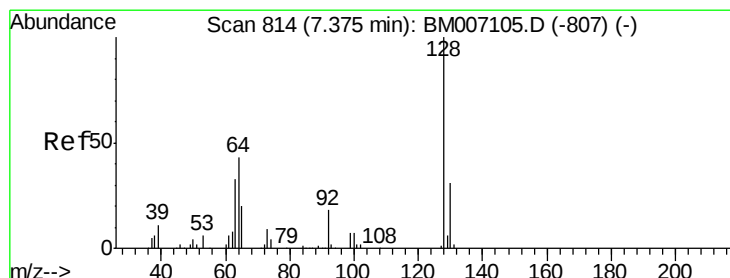
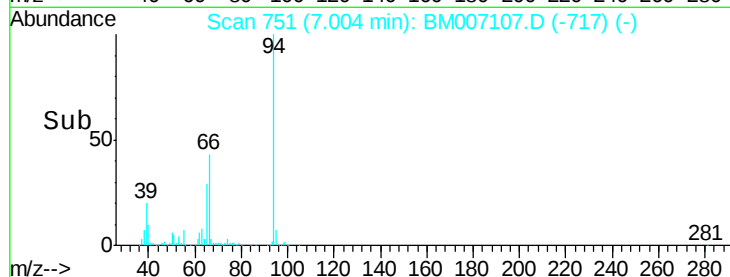
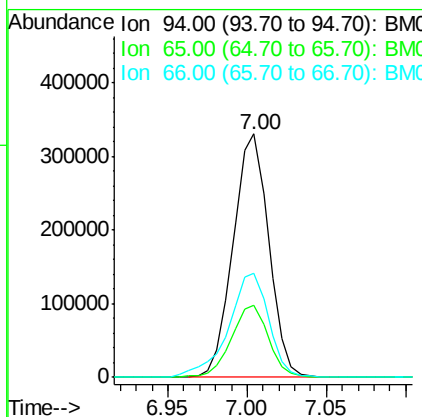
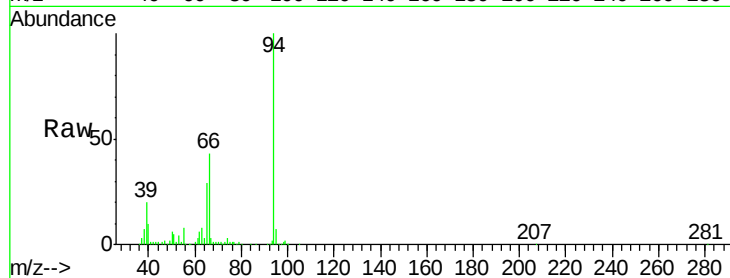
ClientSampleId :

PR002-SS001-1218-01MS

Tgt Ion:	94	Resp:	516816
Ion Ratio	Lower	Upper	
94	100		
65	29.4	23.9	35.9
66	42.7	33.5	50.3

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#10

2-Chlorophenol

Concen: 20.80 ng/ul

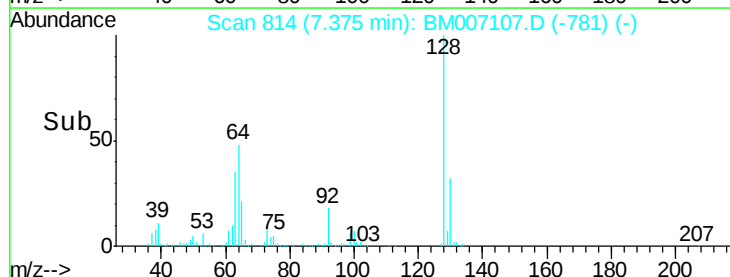
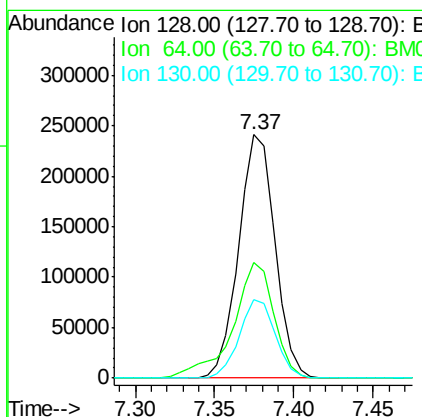
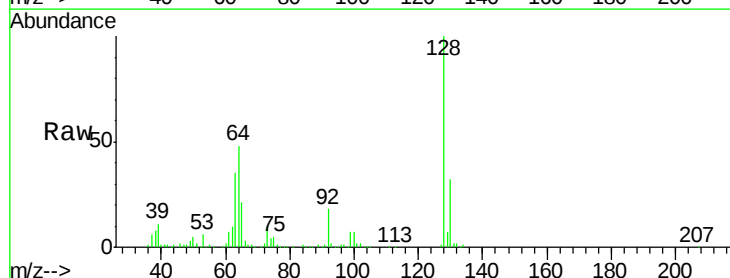
RT: 7.37 min Scan# 814

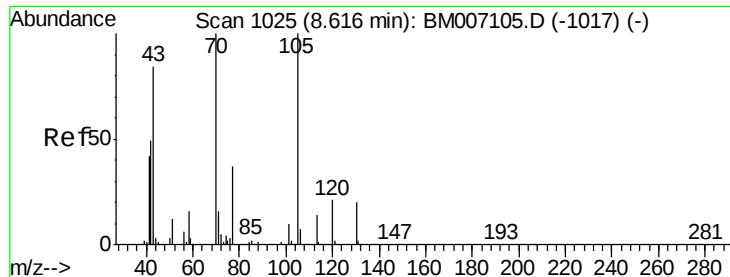
Delta R.T. -0.01 min

Lab File: BM007107.D

Acq: 14 Aug 2016 14:40

Tgt Ion:	128	Resp:	383648
Ion Ratio	Lower	Upper	
128	100		
64	47.6	37.5	56.3
130	32.0	25.0	37.4





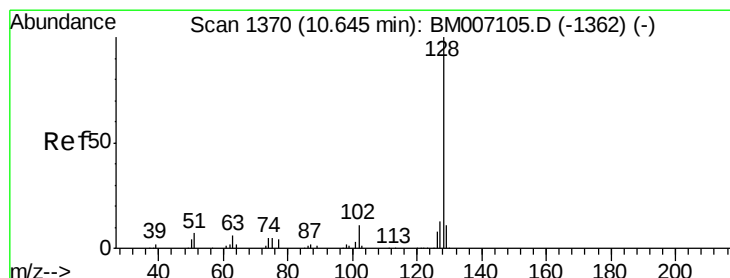
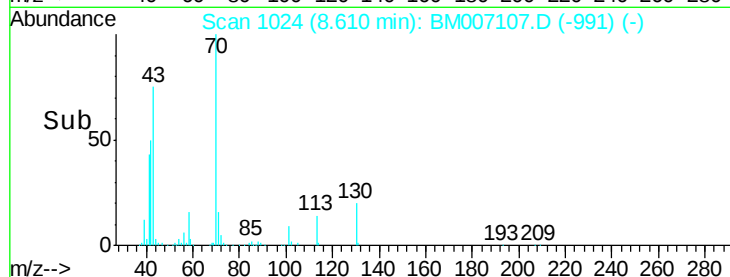
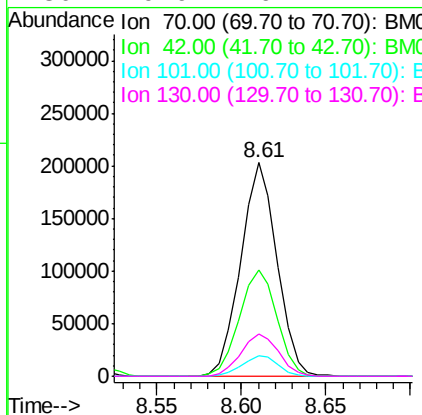
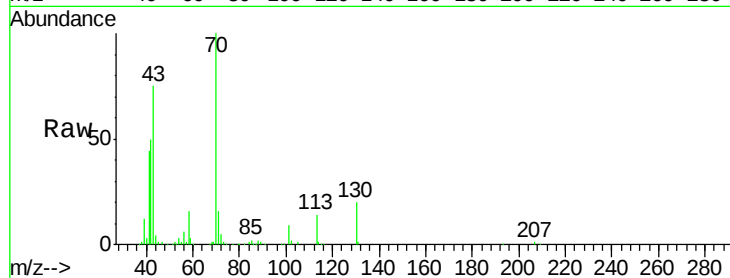
#15
N-Nitroso-di-n-propylamine
Concen: 20.38 ng/ul
RT: 8.61 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BM007107.D
Acq: 14 Aug 2016 14:40

Instrument :
BNA_M
ClientSampleId :
PR002-SS001-1218-01MS

Tgt Ion	Ratio	Lower	Upper
70	100		
42	49.8	43.4	65.2
101	9.4	7.8	11.6
130	19.9	16.2	24.4

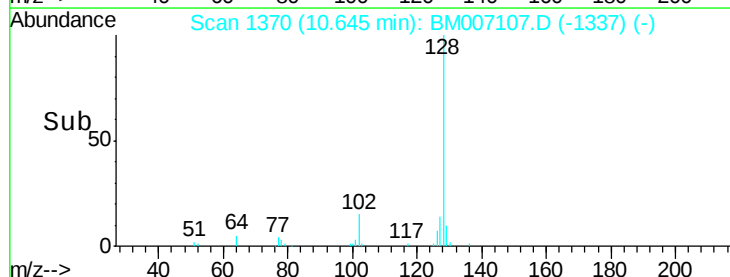
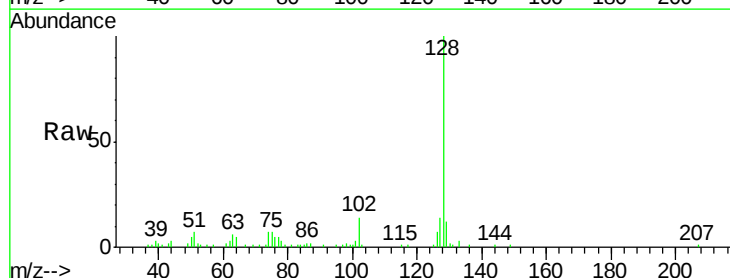
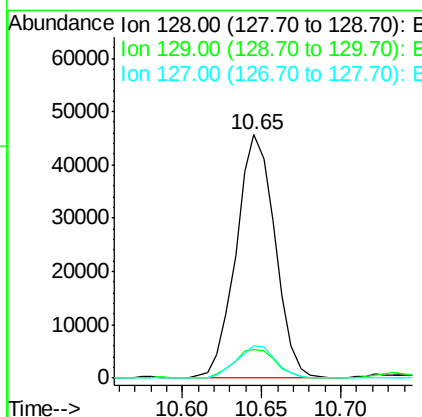
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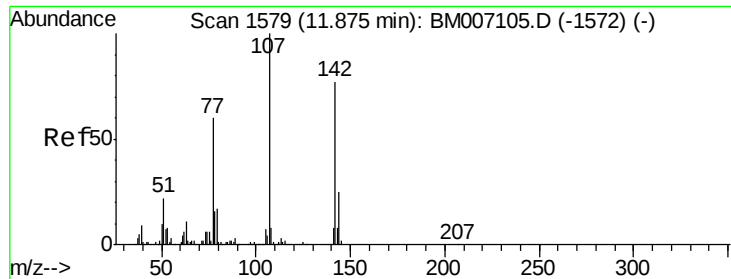
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#28
Naphthalene
Concen: 1.44 ng/ul
RT: 10.65 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BM007107.D
Acq: 14 Aug 2016 14:40

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	12.8
127	13.6	10.6	15.8





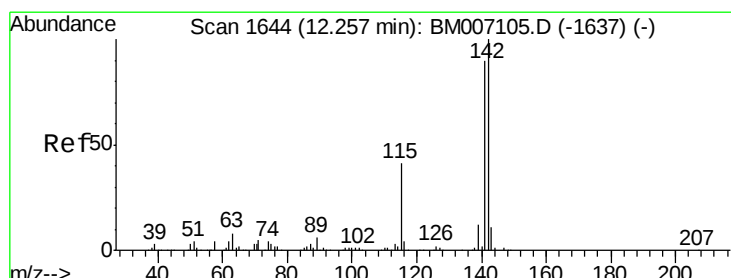
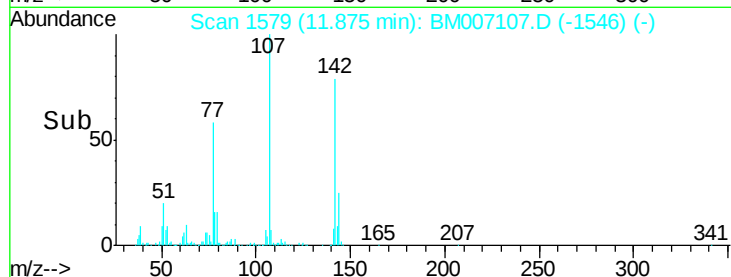
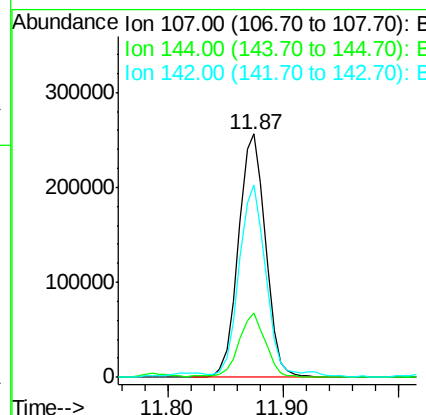
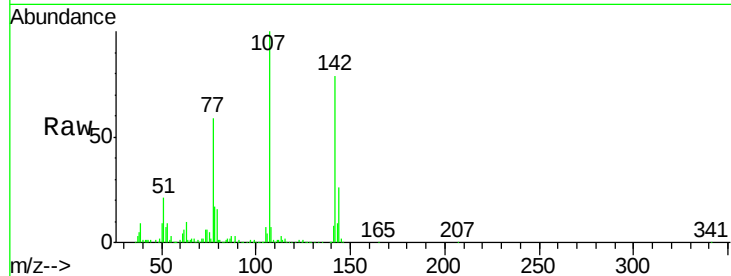
#33
 4-Chloro-3-methylphenol
 Concen: 21.44 ng/ul
 RT: 11.87 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BM007107.D
 Acq: 14 Aug 2016 14:40

Instrument :
 BNA_M
 ClientSampleId :
 PR002-SS001-1218-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	413547		
144	26.2	21.1	31.7	
142	78.8	64.1	96.1	

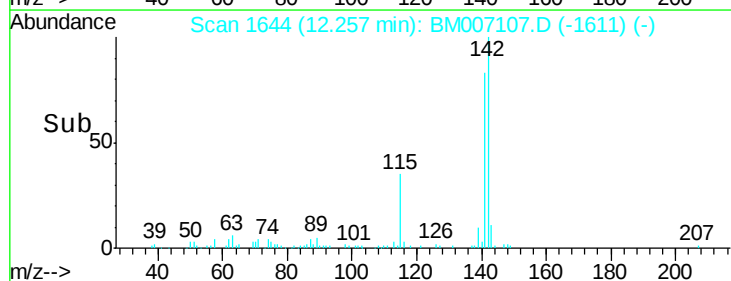
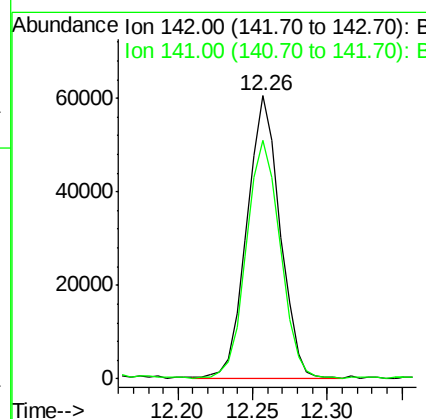
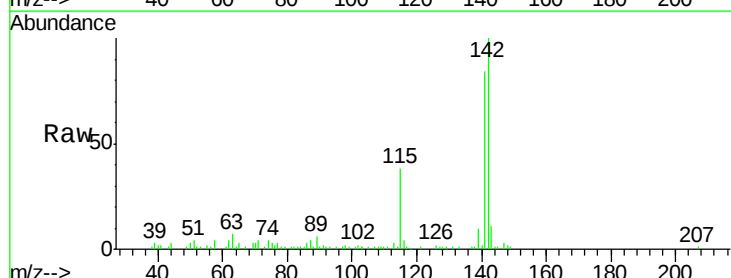
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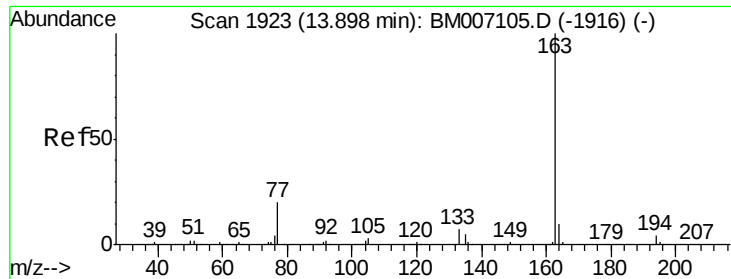
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#34
 2-Methylnaphthalene
 Concen: 2.24 ng/ul
 RT: 12.26 min Scan# 1644
 Delta R.T. -0.01 min
 Lab File: BM007107.D
 Acq: 14 Aug 2016 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	93434		
141	84.4	71.3	106.9	





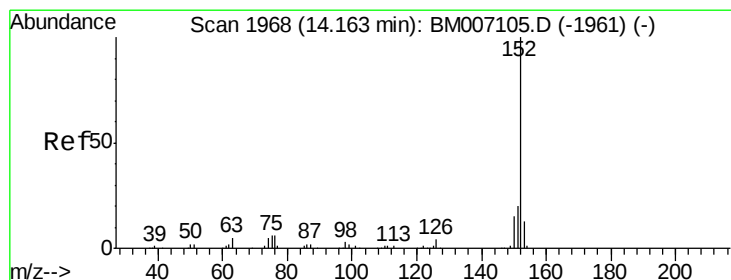
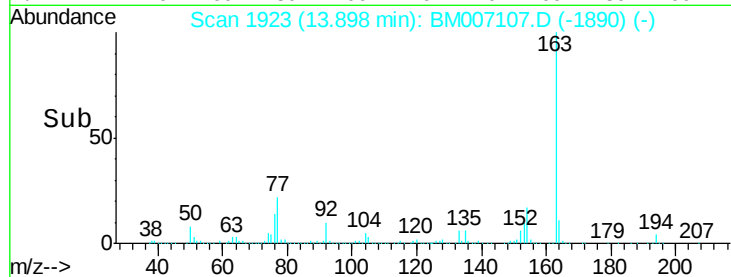
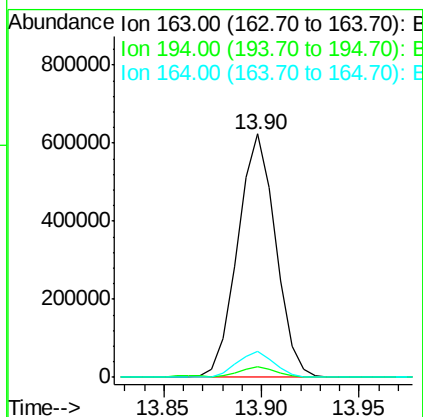
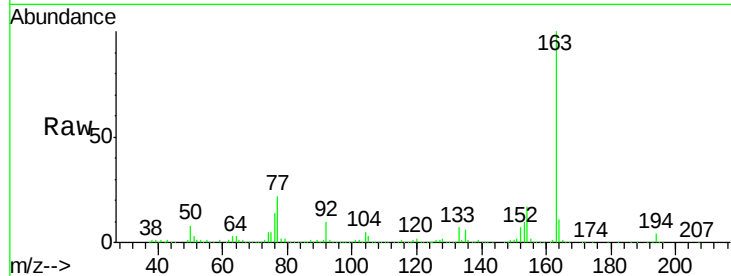
#44
Dimethylphthalate
Concen: 16.32 ng/ul
RT: 13.90 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BM007107.D
Acq: 14 Aug 2016 14:40

Instrument :
BNA_M
ClientSampleId :
PR002-SS001-1218-01MS

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.5	7.8	11.8

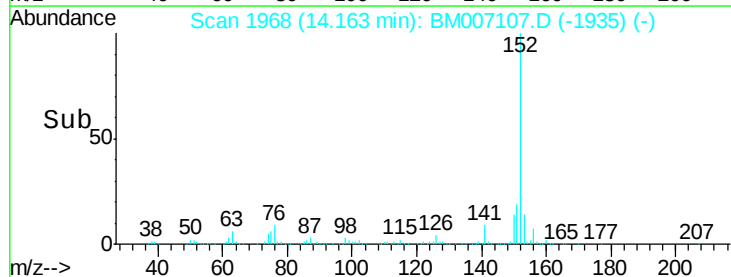
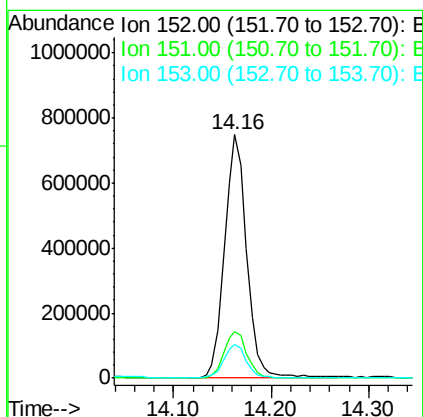
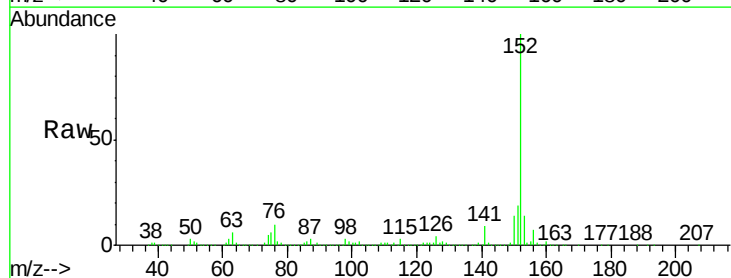
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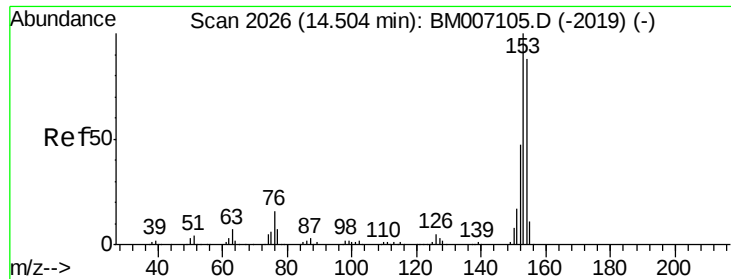
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#47
Acenaphthylene
Concen: 18.44 ng/ul
RT: 14.16 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BM007107.D
Acq: 14 Aug 2016 14:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.0	24.0
153	14.0	11.0	16.6





#49

Acenaphthene

Concen: 24.49 ng/ul

RT: 14.50 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BM007107.D

Acq: 14 Aug 2016 14:40

Instrument :

BNA_M

ClientSampleId :

PR002-SS001-1218-01MS

Tgt Ion:153 Resp: 1009530

Ion Ratio Lower Upper

153 100

152 46.9 37.8 56.6

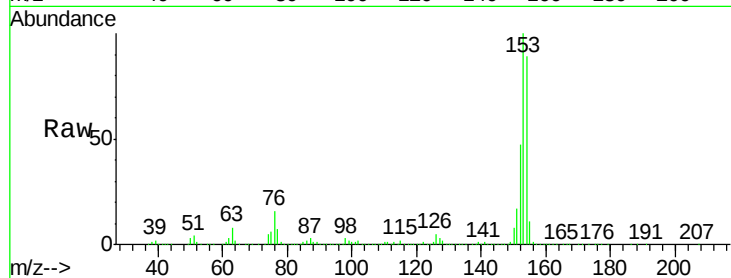
154 89.2 71.4 107.0

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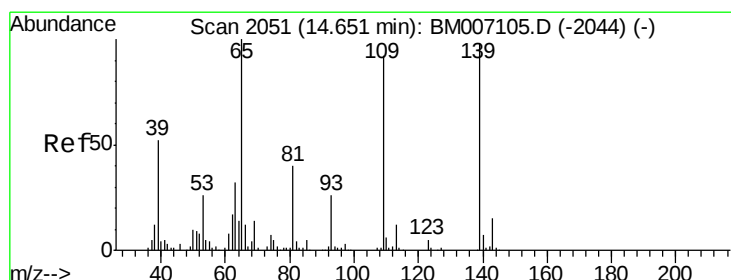
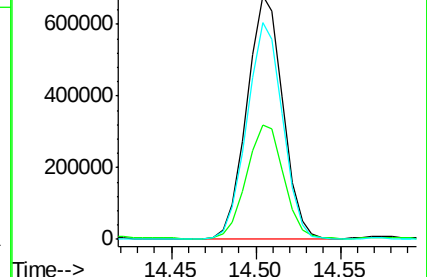
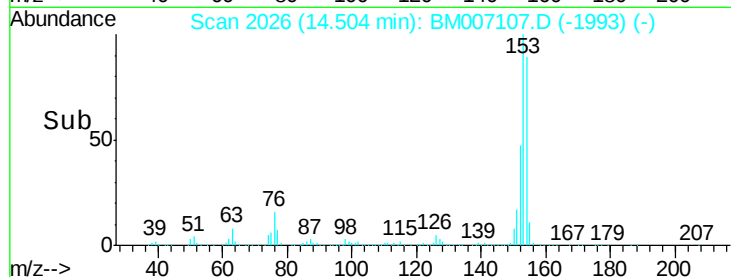
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#52

4-Nitrophenol

Concen: 17.15 ng/ul

RT: 14.64 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BM007107.D

Acq: 14 Aug 2016 14:40

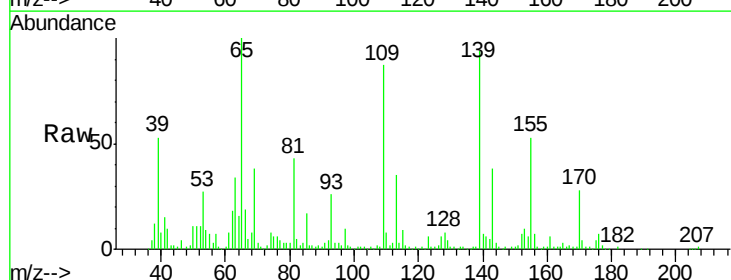
Tgt Ion:109 Resp: 160404

Ion Ratio Lower Upper

109 100

139 107.2 88.7 133.1

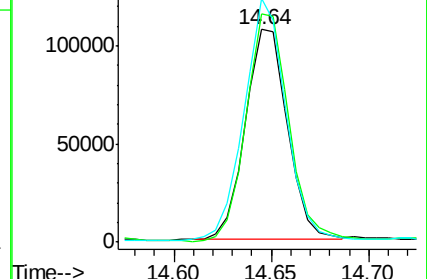
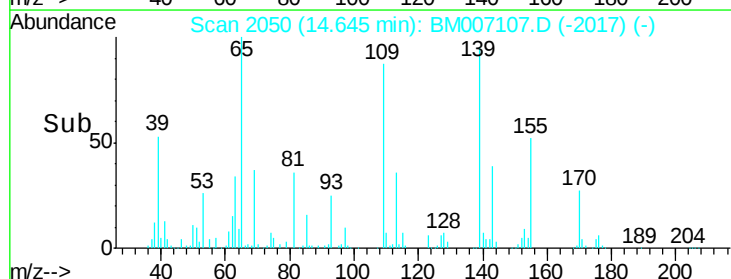
65 114.7 96.4 144.6

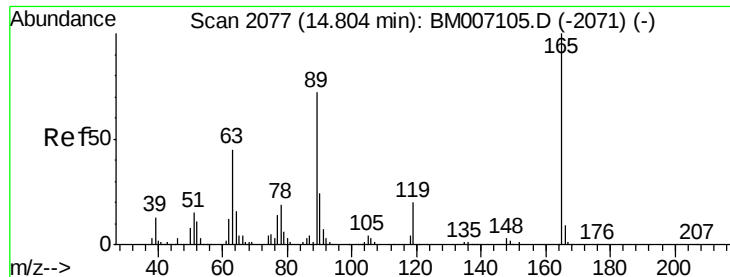


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM





#54

2,4-Dinitrotoluene

Concen: 23.39 ng/ul

RT: 14.80 min Scan# 2077

Delta R.T. -0.01 min

Lab File: BM007107.D

Acq: 14 Aug 2016 14:40

Instrument :

BNA_M

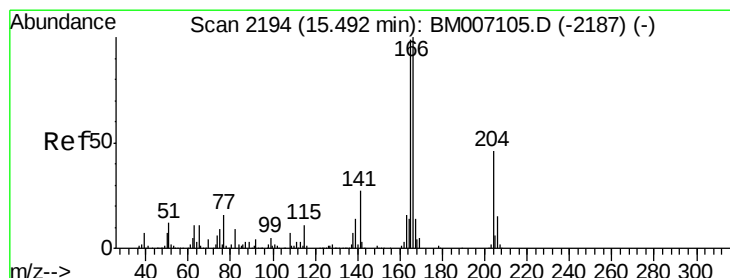
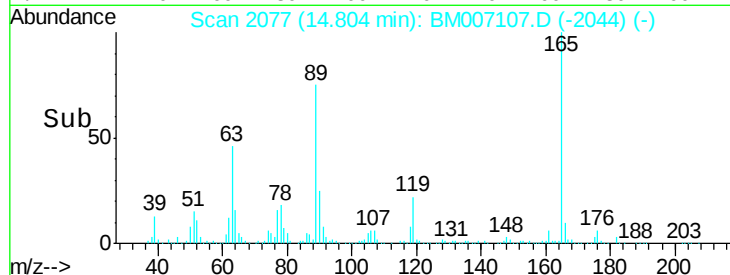
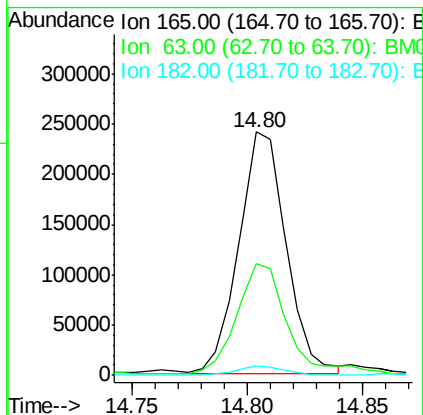
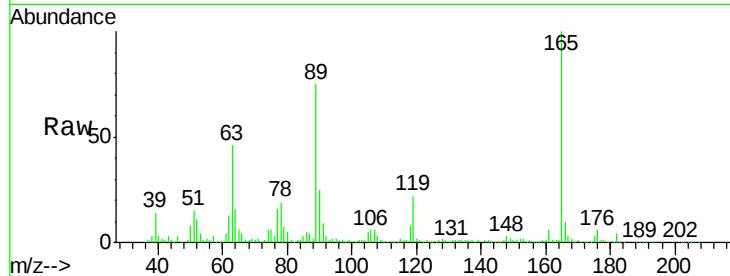
ClientSampleId :

PR002-SS001-1218-01MS

Tgt Ion:	165	Resp:	344281
Ion Ratio	Lower	Upper	
165	100		
63	46.1	36.2	54.2
182	4.0	2.2	3.4#

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#58

Fluorene

Concen: 6.84 ng/ul

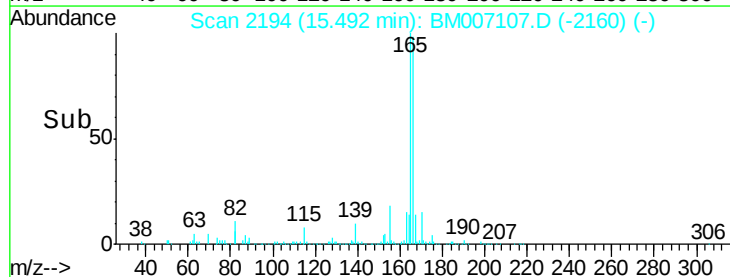
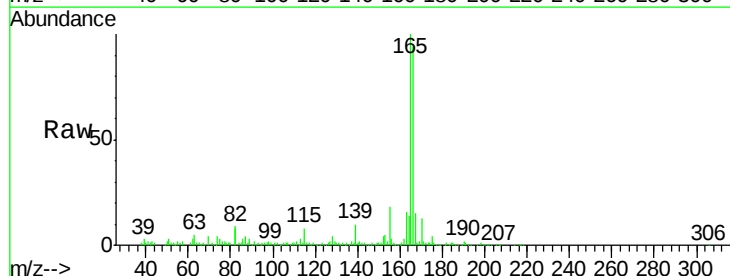
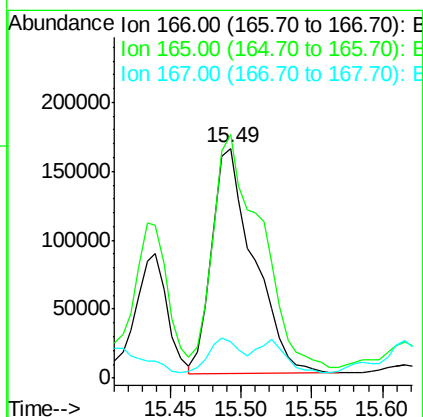
RT: 15.49 min Scan# 2194

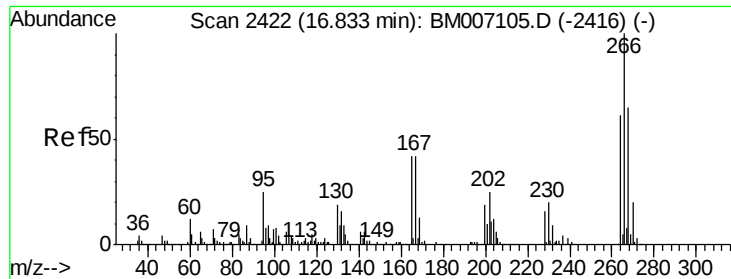
Delta R.T. 0.00 min

Lab File: BM007107.D

Acq: 14 Aug 2016 14:40

Tgt Ion:	166	Resp:	337489
Ion Ratio	Lower	Upper	
166	100		
165	106.0	79.9	119.9
167	16.0	10.5	15.7#





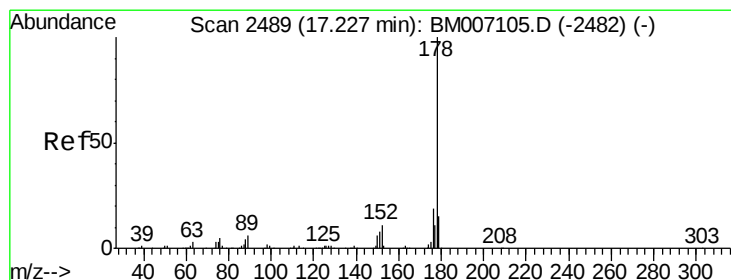
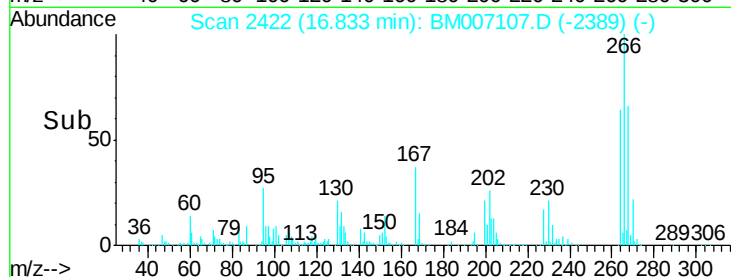
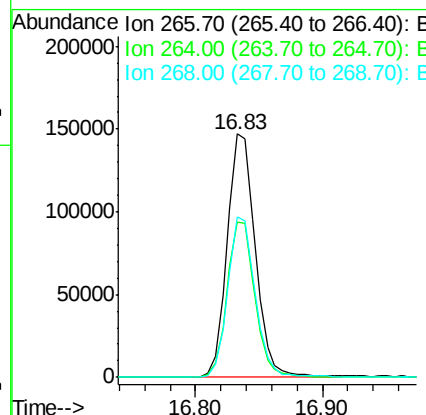
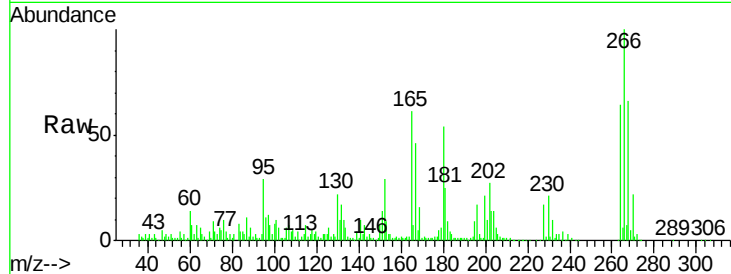
#68
 Pentachlorophenol
 Concen: 20.57 ng/ul
 RT: 16.83 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BM007107.D
 Acq: 14 Aug 2016 14:40

Instrument :
 BNA_M
 ClientSampleId :
 PR002-SS001-1218-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	226807		
264	63.8	50.6	75.8	
268	66.1	51.0	76.6	

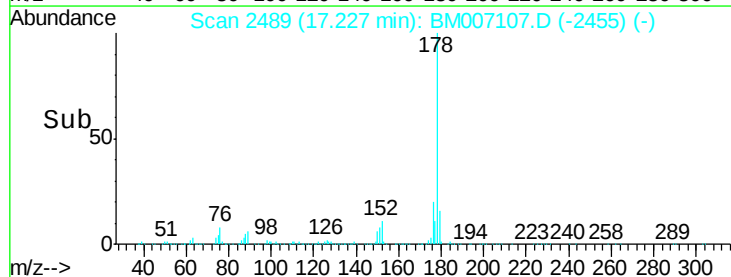
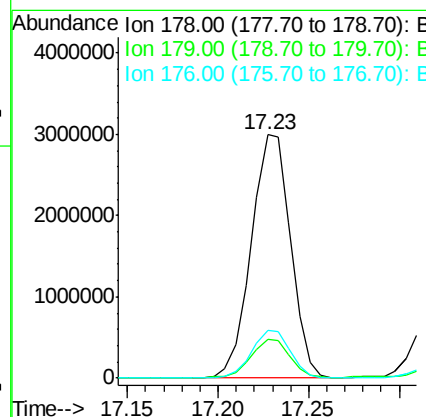
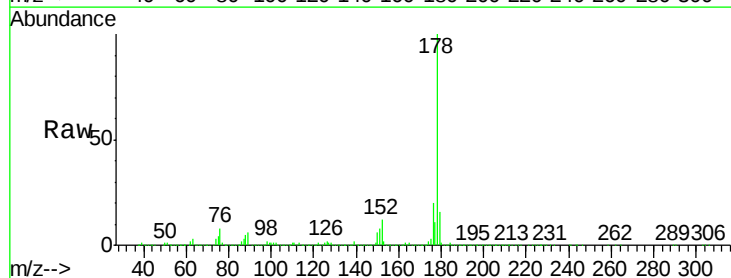
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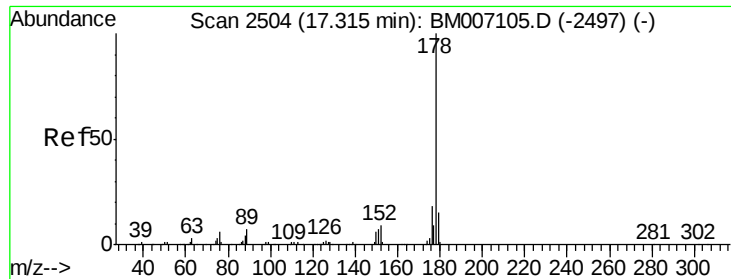
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#69
 Phenanthrene
 Concen: 59.74 ng/ul
 RT: 17.23 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: BM007107.D
 Acq: 14 Aug 2016 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	4494271		
179	15.8	12.2	18.2	
176	19.6	15.1	22.7	





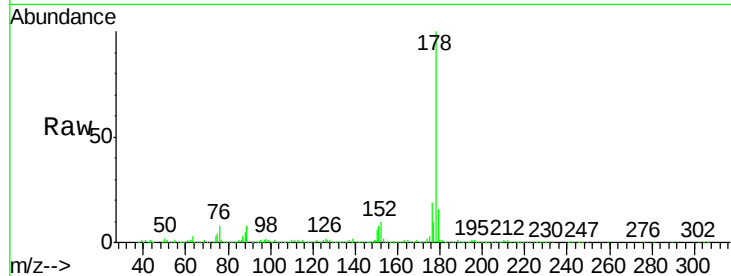
#71
 Anthracene
 Concen: 13.68 ng/ul
 RT: 17.32 min Scan# 2504
 Delta R.T. -0.01 min
 Lab File: BM007107.D
 Acq: 14 Aug 2016 14:40

Instrument :
 BNA_M
 ClientSampleId :
 PR002-SS001-1218-01MS

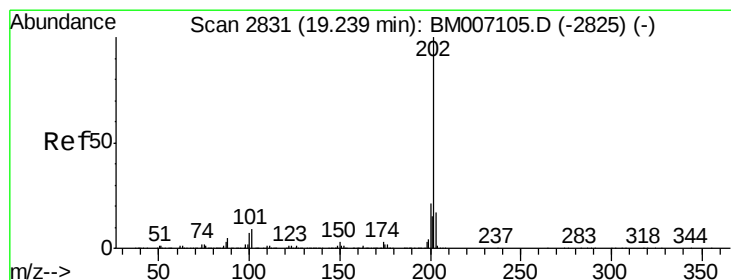
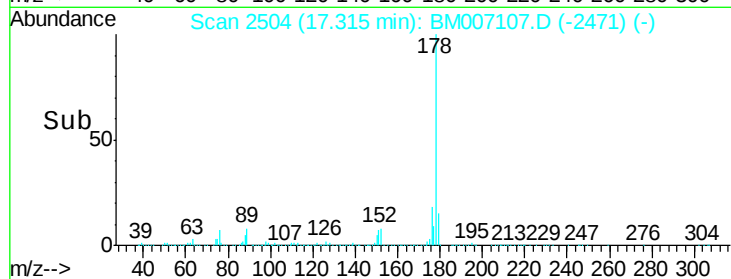
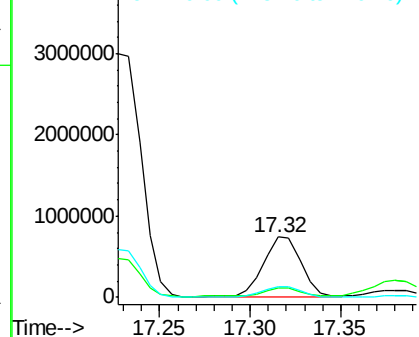
Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.1	18.1
176	18.6	14.5	21.7

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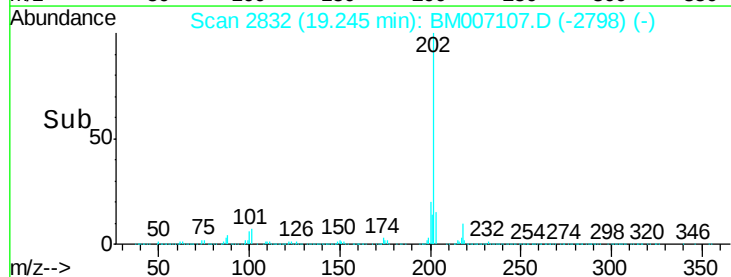
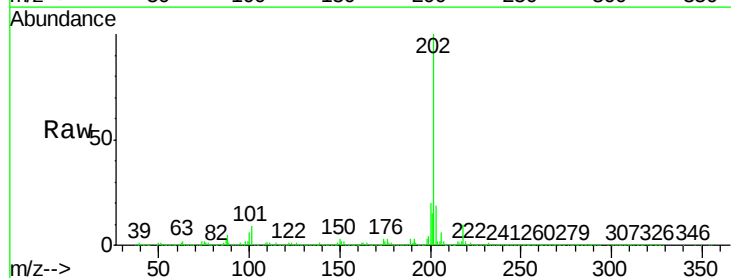
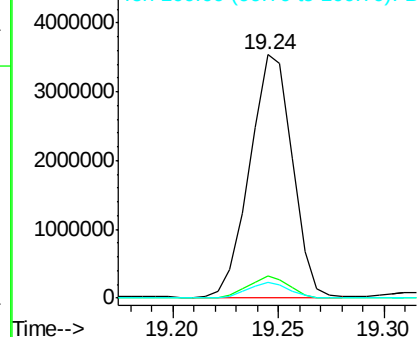
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

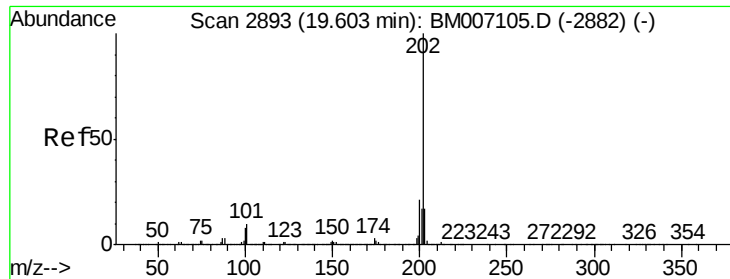


#74
 Fluoranthene
 Concen: 54.02 ng/ul
 RT: 19.24 min Scan# 2832
 Delta R.T. 0.00 min
 Lab File: BM007107.D
 Acq: 14 Aug 2016 14:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.9	6.9	10.3
100	6.4	5.4	8.0

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





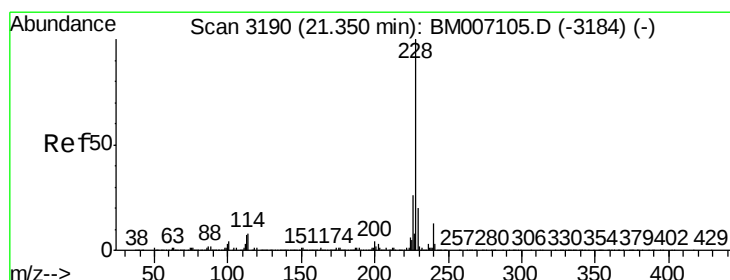
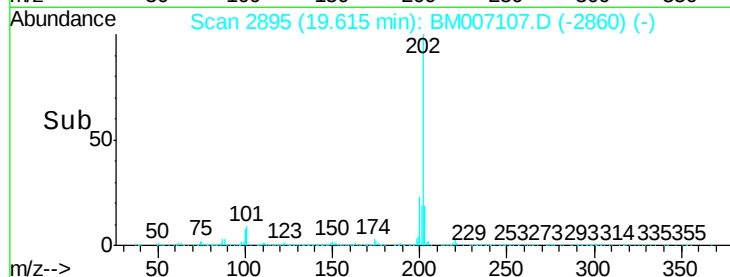
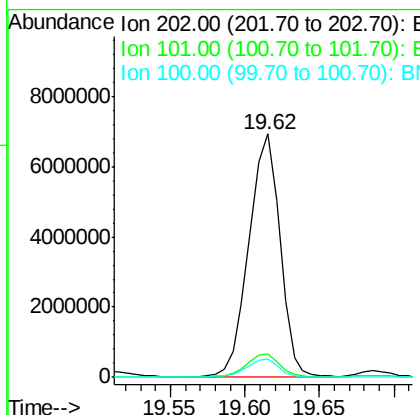
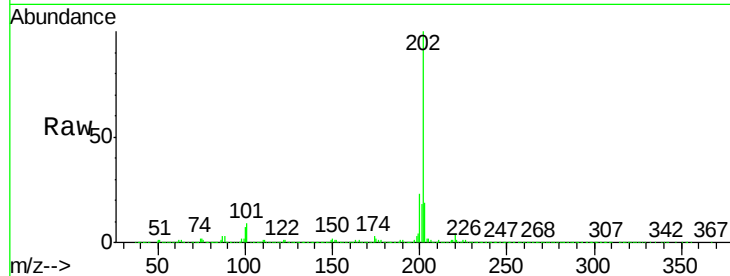
#77
 Pyrene
 Concen: 110.69 ng/ul
 RT: 19.62 min Scan# 2895
 Delta R.T. 0.01 min
 Lab File: BM007107.D
 Acq: 14 Aug 2016 14:40

Instrument :
 BNA_M
 ClientSampleId :
 PR002-SS001-1218-01MS

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	8.4	12.6
100	7.5	6.9	10.3

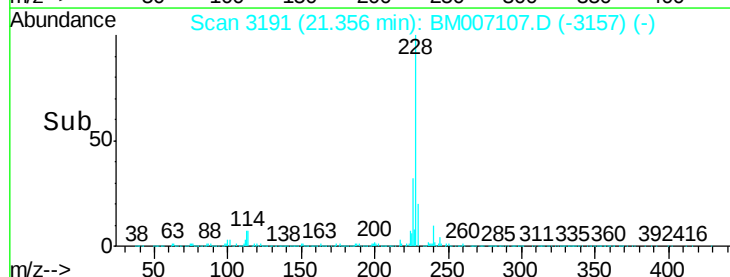
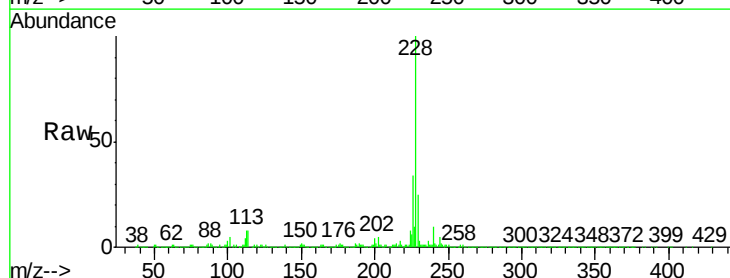
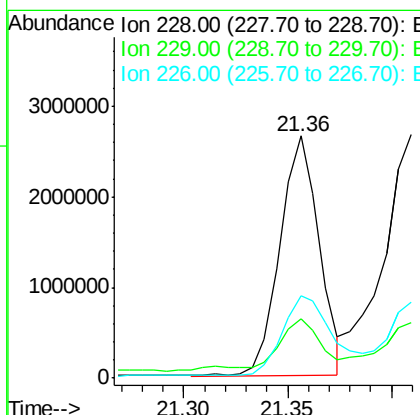
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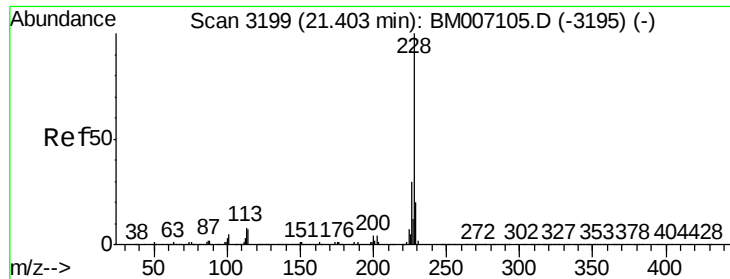
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#80
 Benzo(a)anthracene
 Concen: 36.45 ng/ul m
 RT: 21.36 min Scan# 3191
 Delta R.T. 0.00 min
 Lab File: BM007107.D
 Acq: 14 Aug 2016 14:40

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.6	15.6	23.4#
226	33.9	21.8	32.8#





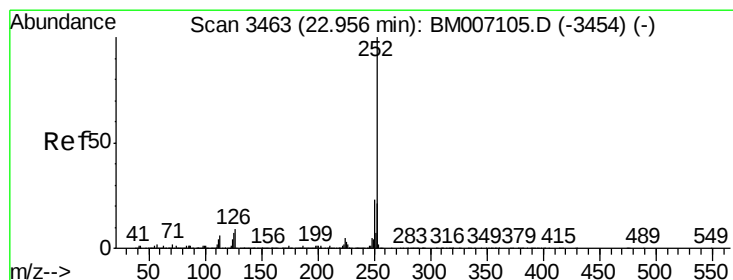
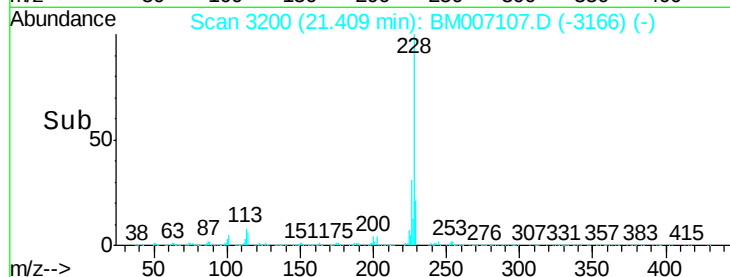
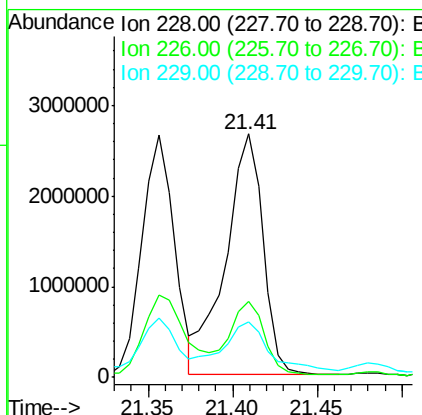
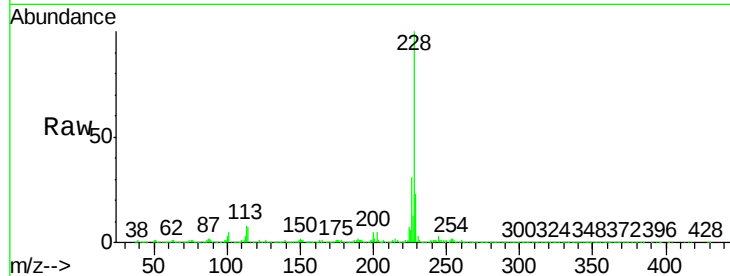
#82
Chrysene
Concen: 46.75 ng/ul
RT: 21.41 min Scan# 3200
Delta R.T. 0.00 min
Lab File: BM007107.D
Acq: 14 Aug 2016 14:40

Instrument :
BNA_M
ClientSampleId :
PR002-SS001-1218-01MS

Tgt Ion: 228 Resp: 4100696
Ion Ratio Lower Upper
228 100
226 31.3 23.4 35.2
229 23.0 15.5 23.3

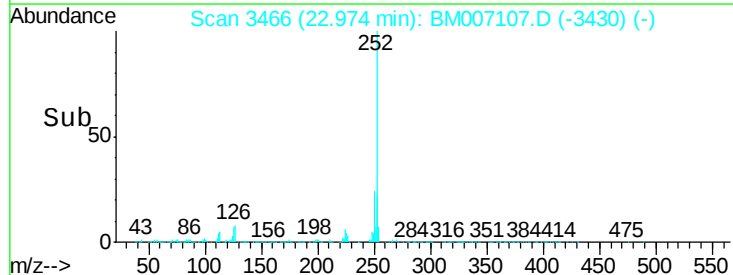
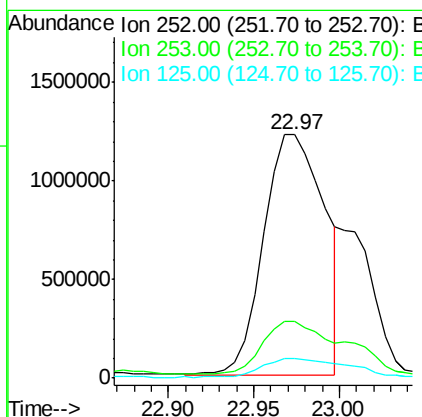
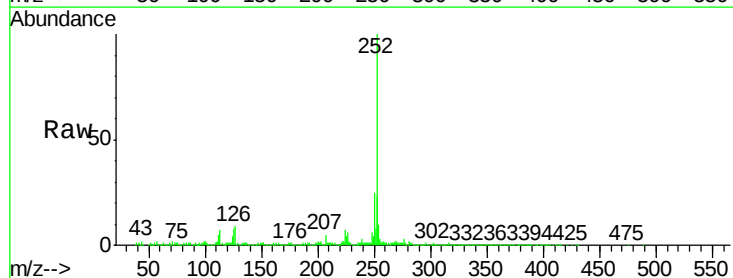
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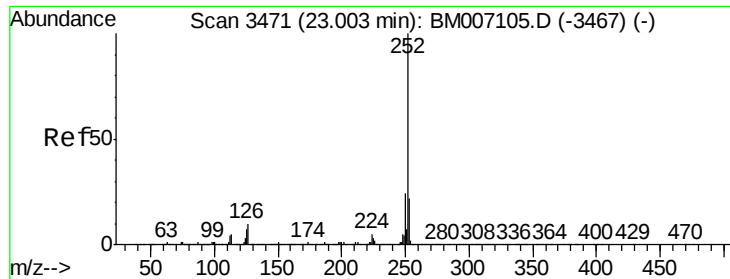
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#85
Benzo(b)fluoranthene
Concen: 27.28 ng/ul m
RT: 22.97 min Scan# 3466
Delta R.T. 0.01 min
Lab File: BM007107.D
Acq: 14 Aug 2016 14:40

Tgt Ion: 252 Resp: 3022357
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 7.9 5.8 8.8





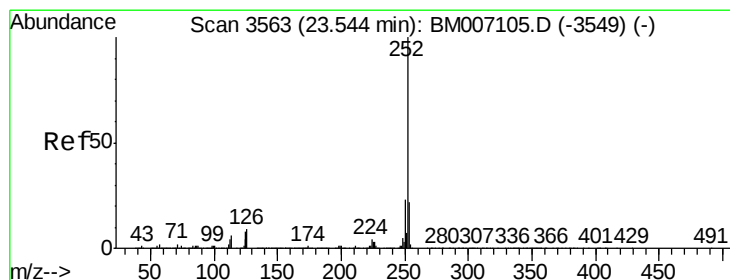
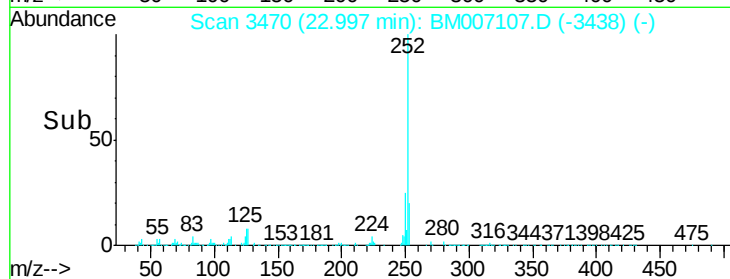
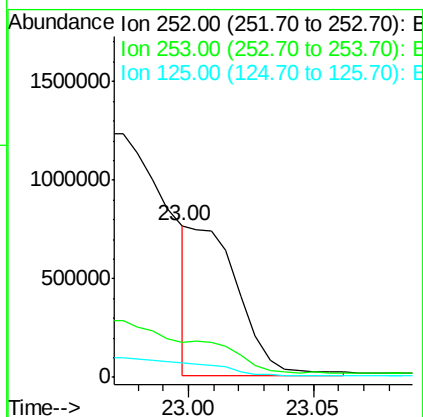
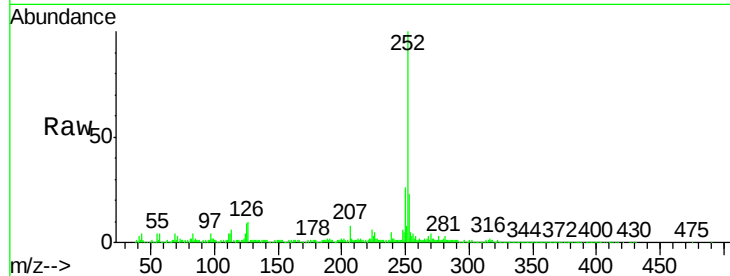
#86
Benzo(k)fluoranthene
Concen: 9.80 ng/ul m
RT: 23.00 min Scan# 3470
Delta R.T. -0.01 min
Lab File: BM007107.D
Acq: 14 Aug 2016 14:40

Instrument :
BNA_M
ClientSampleId :
PR002-SS001-1218-01MS

Tgt Ion: 252 Resp: 1019868
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 9.2 5.7 8.5#

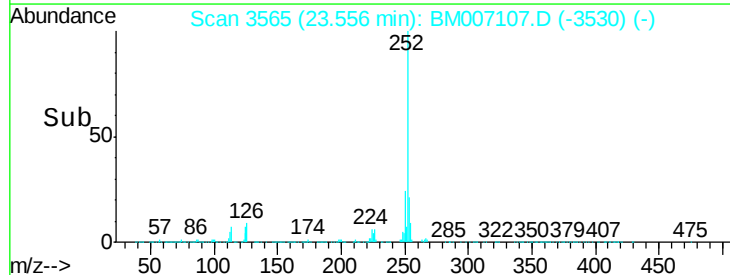
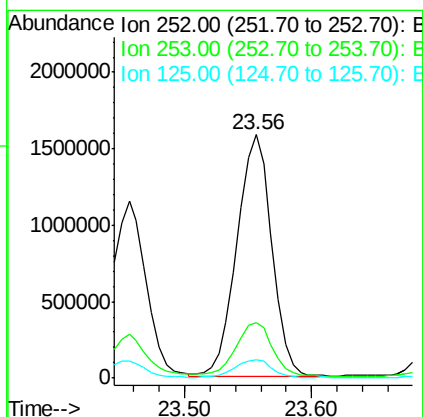
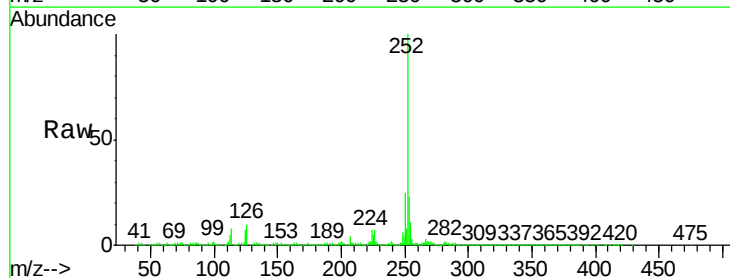
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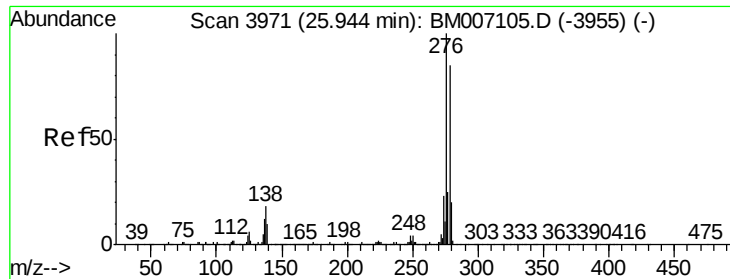
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#88
Benzo(a)pyrene
Concen: 28.55 ng/ul
RT: 23.56 min Scan# 3565
Delta R.T. 0.01 min
Lab File: BM007107.D
Acq: 14 Aug 2016 14:40

Tgt Ion: 252 Resp: 2998479
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 7.4 6.6 9.8





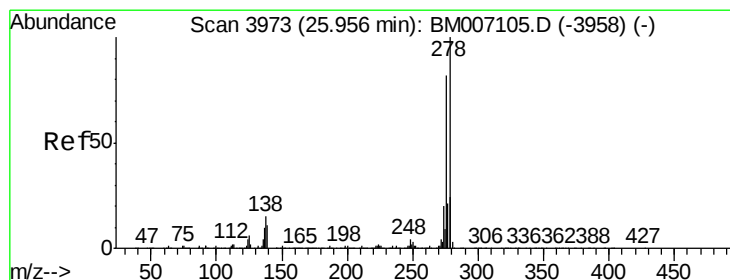
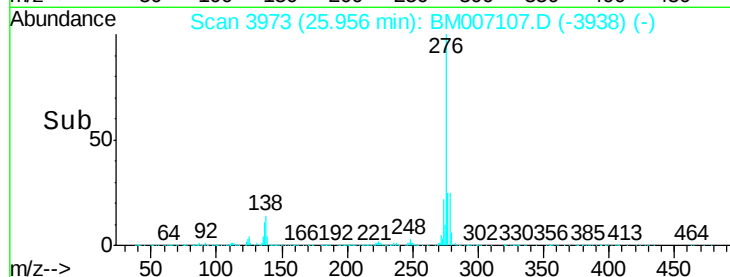
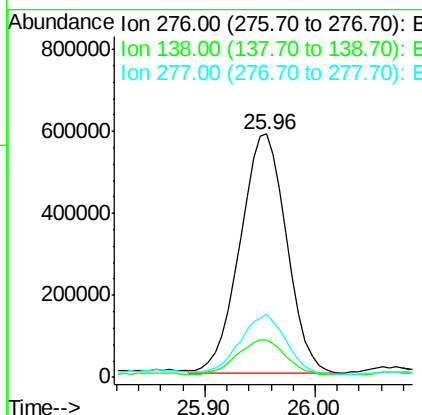
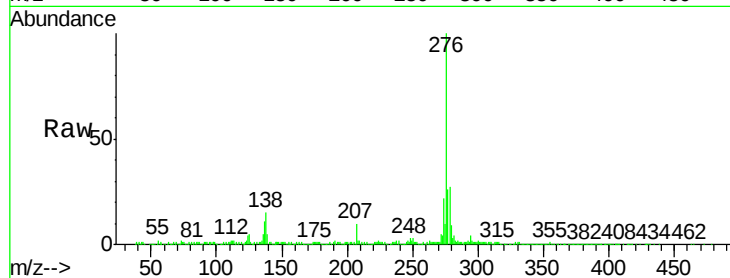
#89
Indeno(1,2,3-cd)pyrene
Concen: 13.34 ng/ul
RT: 25.96 min Scan# 3973
Delta R.T. 0.01 min
Lab File: BM007107.D
Acq: 14 Aug 2016 14:40

Instrument :
BNA_M
ClientSampleId :
PR002-SS001-1218-01MS

Tgt Ion: 276 Resp: 1717259
Ion Ratio Lower Upper
276 100
138 15.2 13.9 20.9
277 26.1 20.1 30.1

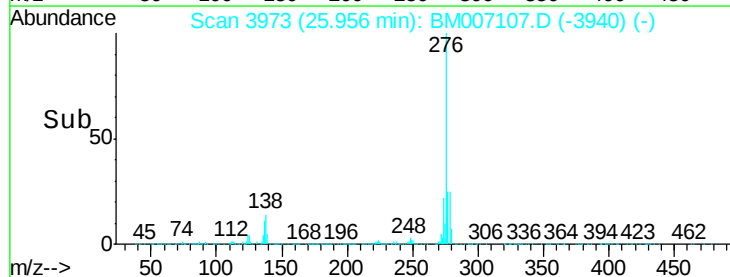
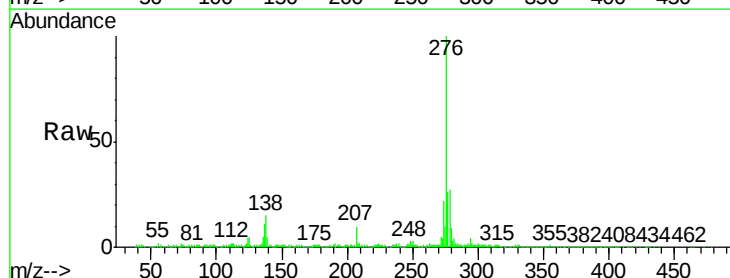
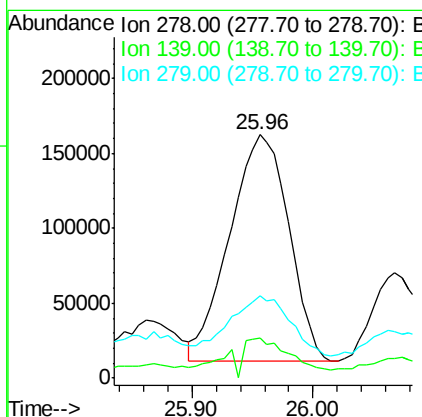
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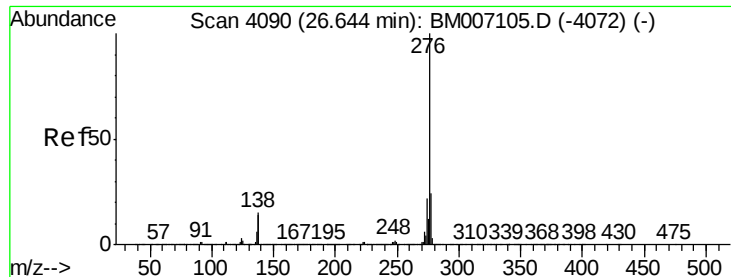
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#90
Dibenzo(a,h)anthracene
Concen: 4.75 ng/ul
RT: 25.96 min Scan# 3973
Delta R.T. -0.01 min
Lab File: BM007107.D
Acq: 14 Aug 2016 14:40

Tgt Ion: 278 Resp: 513523
Ion Ratio Lower Upper
278 100
139 16.5 9.5 14.3#
279 33.7 19.1 28.7#





#91
 Benzo(g,h,i)perylene
 Concen: 17.31 ng/ul
 RT: 26.66 min Scan# 4093
 Delta R.T. 0.01 min
 Lab File: BM007107.D
 Acq: 14 Aug 2016 14:40

Instrument :
 BNA_M
 ClientSampleId :
 PR002-SS001-1218-01MS

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.7	13.5	20.3
277	24.5	19.3	28.9

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