

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
 Data File : BM007039.D
 Acq On : 12 Aug 2016 12:22
 Operator : UM/SJ
 Sample : H4387-22MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
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 8/15/2016 6:53:36 PM

Quant Time: Aug 15 15:26:54 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 12 01:51:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	442270	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1944955	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	1158634	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	2364917	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	2073006	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	2238219	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	23210	2.29	ng/uL	0.00
5) Phenol-d5	6.97	99	543141	15.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	332103	16.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	451242	15.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	417788	14.17	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	228935	16.21	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	246071	16.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	493772	15.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	378411	10.06	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1539398	16.08	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1934442	16.82	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	177705	10.36	ng/ul	0.00
57) Fluorene-d10	15.44	176	1343635	16.06	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	106167	8.12	ng/ul	0.00
70) Anthracene-d10	17.29	188	1844756	16.84	ng/ul	0.00
76) Pyrene-d10	19.58	212	1775299	20.29	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	1732303	16.92	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.00	94	637072	16.88	ng/ul	99
10) 2-Chlorophenol	7.37	128	468358	16.05	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.62	70	397850	16.84	ng/ul	95
28) Naphthalene	10.65	128	98975	1.03	ng/ul	97
33) 4-Chloro-3-methylphenol	11.87	107	556457	16.17	ng/ul	98
34) 2-Methylnaphthalene	12.26	142	121343	1.63	ng/ul	98
44) Dimethylphthalate	13.90	163	1144638	11.96	ng/ul	100
47) Acenaphthylene	14.16	152	1066932	9.01	ng/ul	99
49) Acenaphthene	14.51	153	1365761	17.77	ng/ul	98
52) 4-Nitrophenol	14.64	109	189884	10.89	ng/ul	93
54) 2,4-Dinitrotoluene	14.81	165	436730	15.92	ng/ul#	96
58) Fluorene	15.49	166	420266	4.57	ng/ul#	99
68) Pentachlorophenol	16.84	266	246042	13.20	ng/ul	98
69) Phenanthrene	17.23	178	5367768	42.21	ng/ul	98
71) Anthracene	17.32	178	1007265	7.72	ng/ul	99
74) Fluoranthene	19.25	202	5140901	33.33	ng/ul	99
77) Pyrene	19.62	202	10012831	87.36	ng/ul	99
80) Benzo(a)anthracene	21.36	228	3234515m	26.41	ng/ul	
82) Chrysene	21.41	228	3845919	34.36	ng/ul	95
85) Benzo(b)fluoranthene	22.97	252	2772836m	20.56	ng/ul	
86) Benzo(k)fluoranthene	23.00	252	843811m	6.66	ng/ul	
88) Benzo(a)pyrene	23.55	252	2655860	20.78	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.95	276	1478283	9.44	ng/ul	99

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

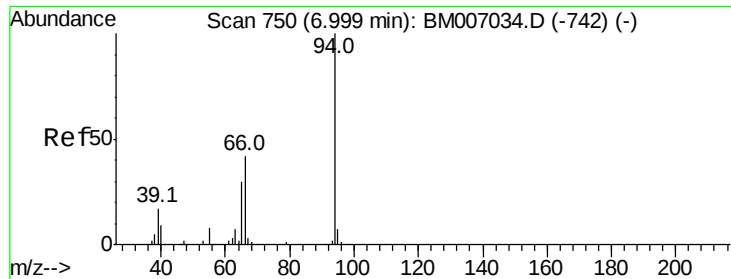
Manual Integrations
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Quant Time: Aug 15 15:26:54 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 01:51:15 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.96	278	444559	3.38	ng/ul#	84
91) Benzo(g,h,i)perylene	26.66	276	1623753	12.26	ng/ul	98

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



#6

Phenol

Concen: 16.88 ng/ul

RT: 7.00 min Scan# 750

Delta R.T. -0.01 min

Lab File: BM007039.D

Acq: 12 Aug 2016 12:22

Instrument :

BNA_M

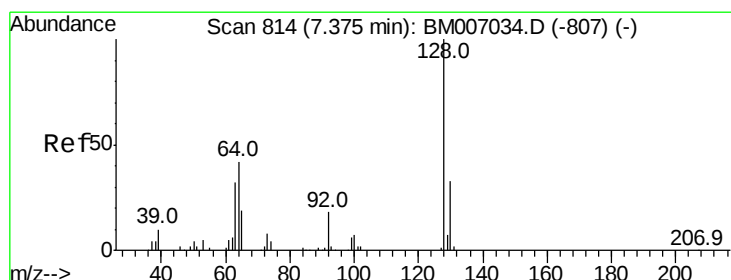
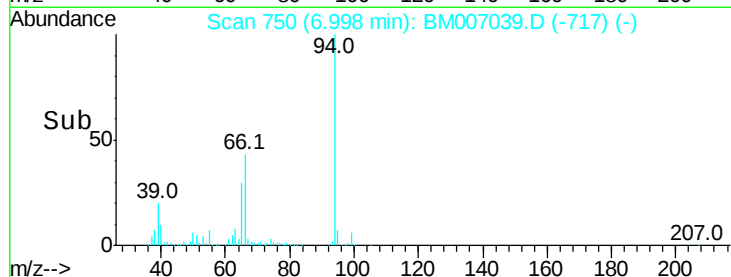
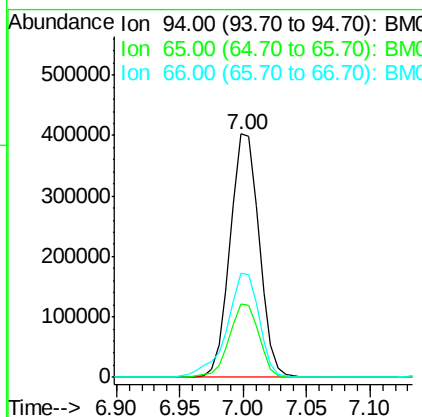
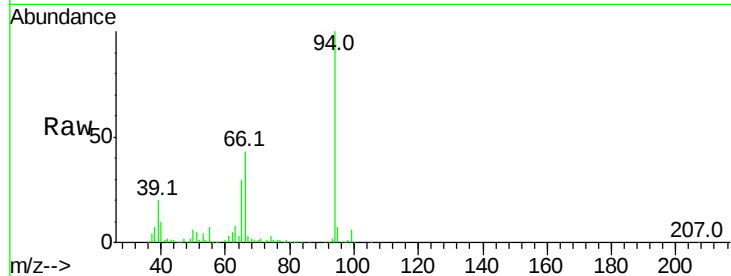
ClientSampleId :

PR002-SS001-1218-01MS

Tot Ion:	94	Resp:	637072
Ion Ratio	Lower	Upper	
94	100		
65	30.1	23.9	35.9
66	42.6	33.5	50.3

Manual Integrations
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#10

2-Chlorophenol

Concen: 16.05 ng/ul

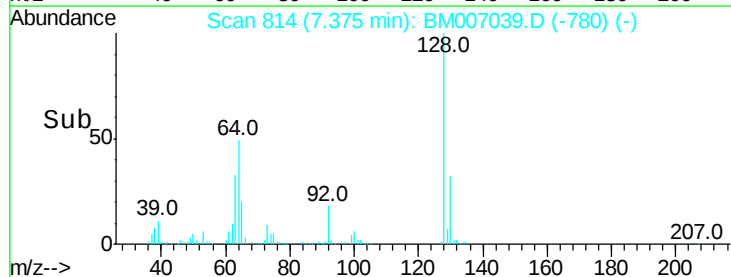
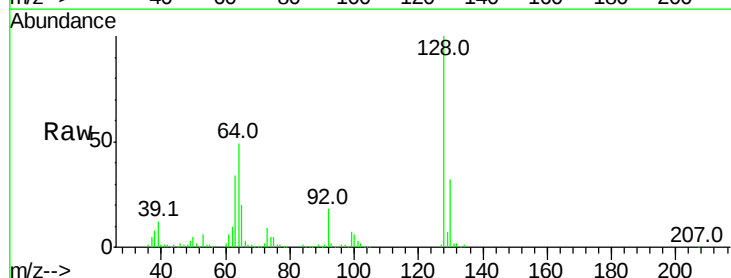
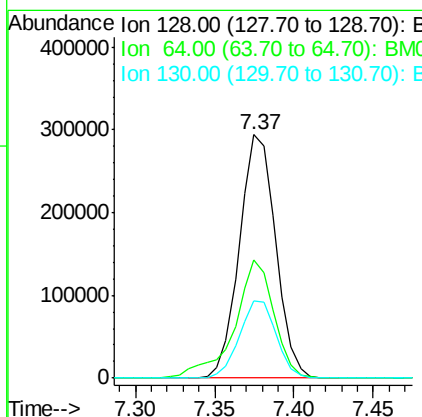
RT: 7.37 min Scan# 814

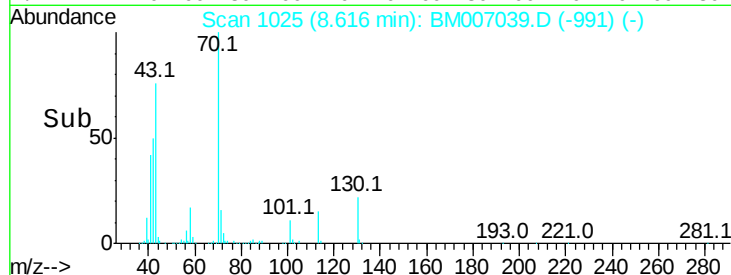
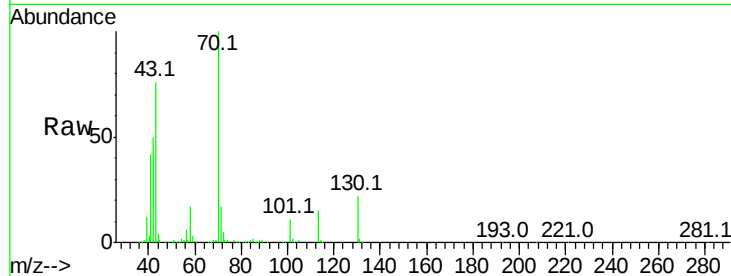
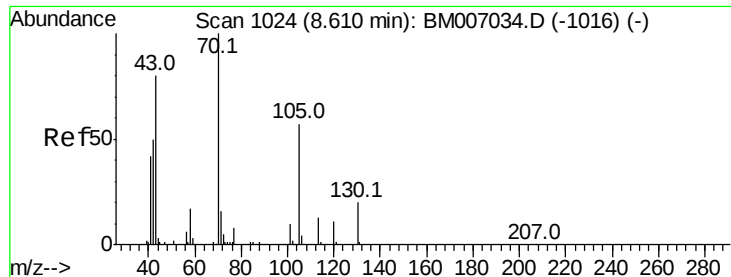
Delta R.T. 0.00 min

Lab File: BM007039.D

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Tgt Ion:	128	Resp:	468358
Ion Ratio	Lower	Upper	
128	100		
64	48.6	37.5	56.3
130	31.7	25.0	37.4





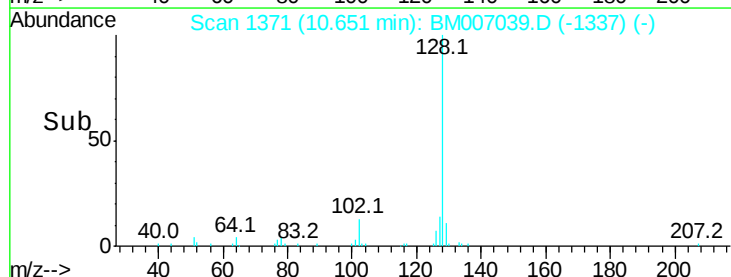
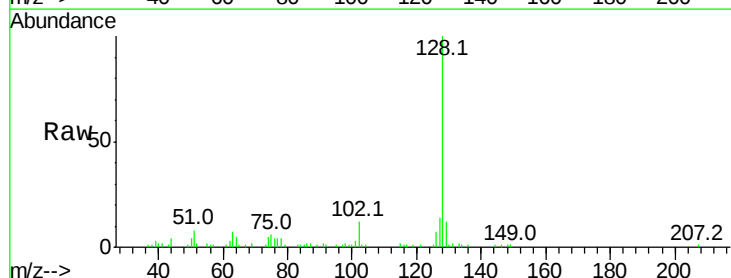
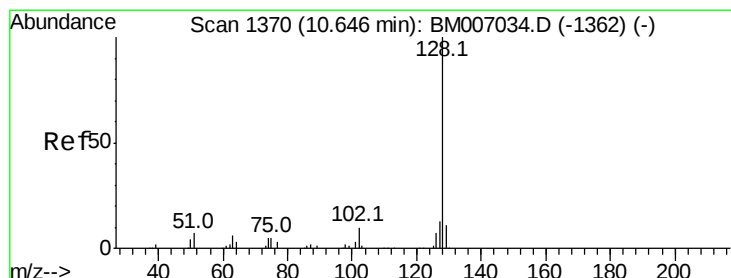
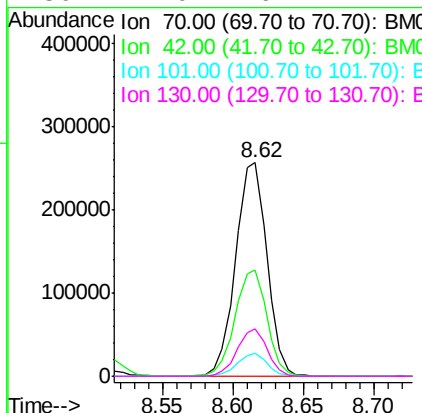
#15
N-Nitroso-di-n-propylamine
Concen: 16.84 ng/ul
RT: 8.62 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BM007039.D
Acq: 12 Aug 2016 12:22

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

Tot Ion	Ratio	Lower	Upper
70	100		
42	49.6	43.4	65.2
101	10.5	7.8	11.6
130	22.0	16.2	24.4

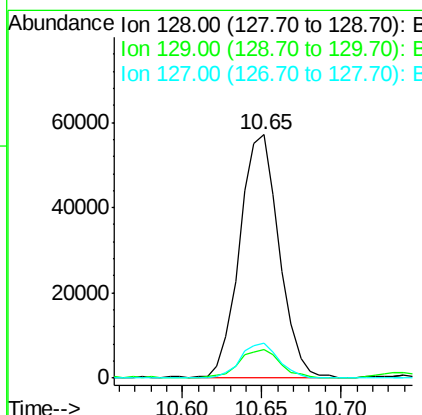
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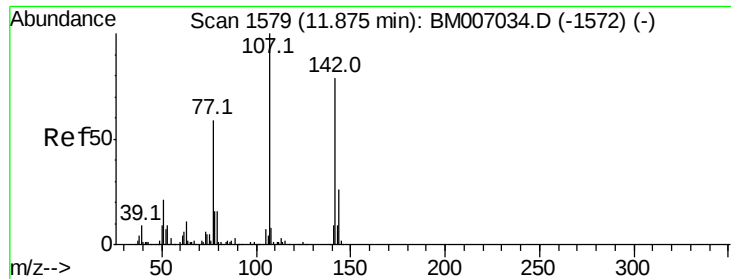
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#28
Naphthalene
Concen: 1.03 ng/ul
RT: 10.65 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BM007039.D
Acq: 12 Aug 2016 12:22

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	12.8
127	14.3	10.6	15.8





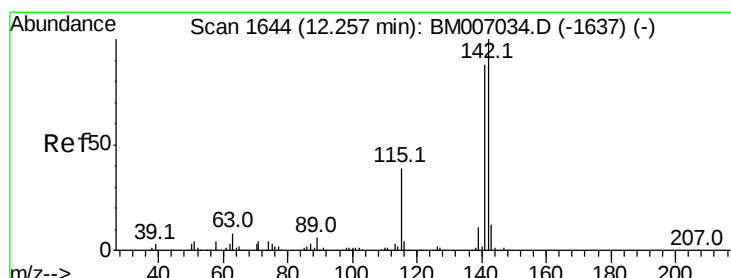
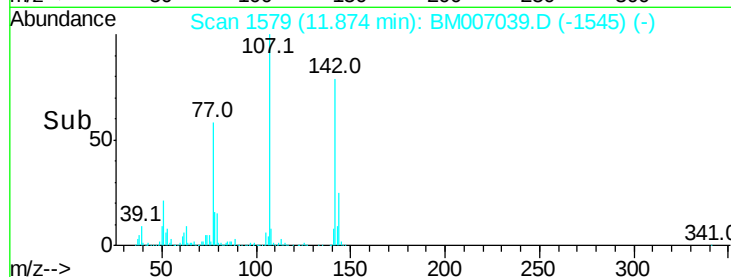
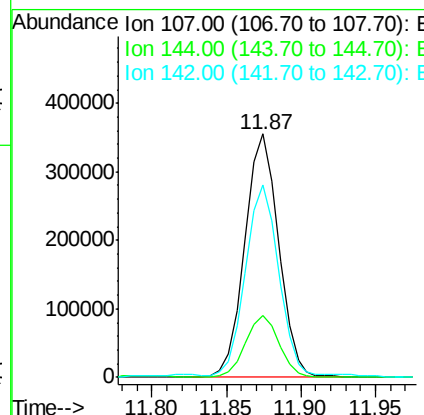
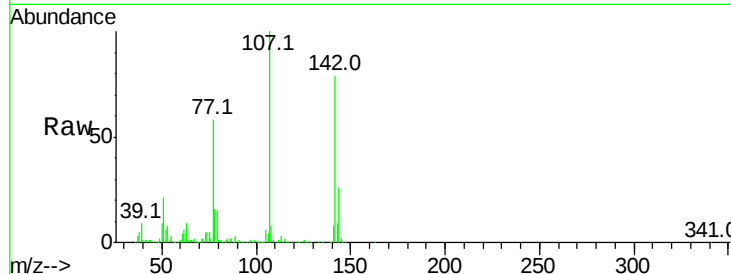
#33
4-Chloro-3-methylphenol
Concen: 16.17 ng/ul
RT: 11.87 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BM007039.D
Acq: 12 Aug 2016 12:22

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

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
144	25.6	21.1	31.7	
142	78.8	64.1	96.1	

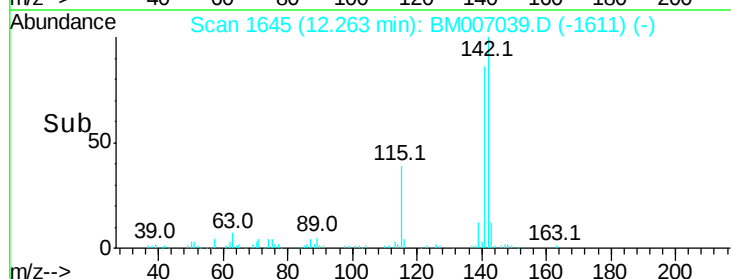
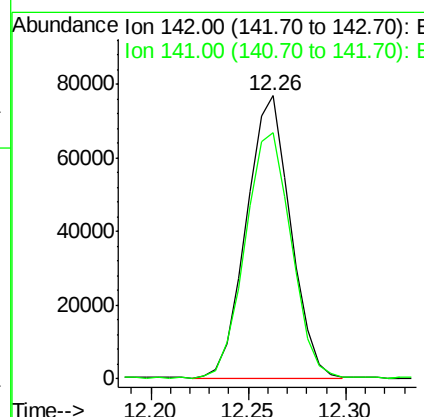
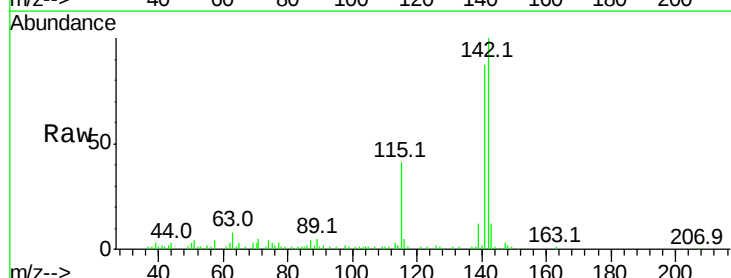
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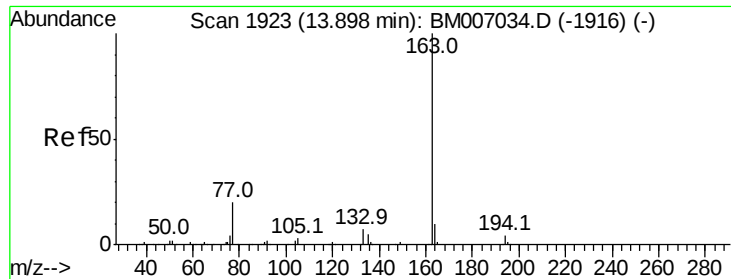
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#34
2-Methylnaphthalene
Concen: 1.63 ng/ul
RT: 12.26 min Scan# 1645
Delta R.T. 0.00 min
Lab File: BM007039.D
Acq: 12 Aug 2016 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	87.2	71.3	106.9	





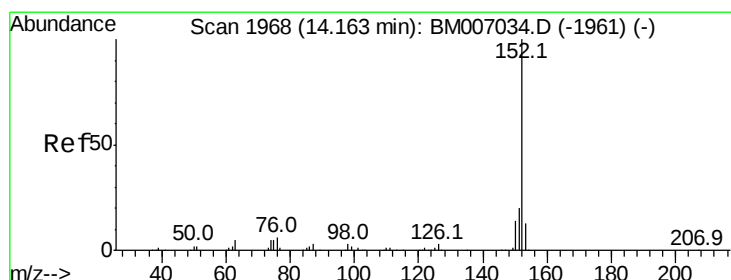
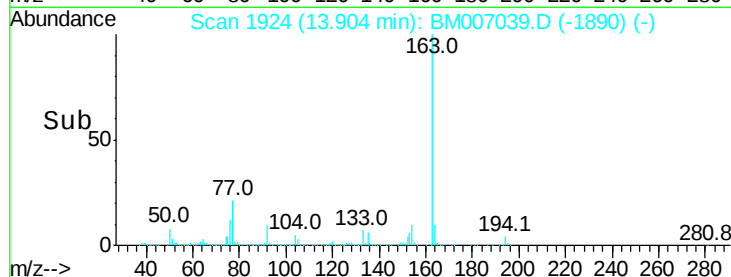
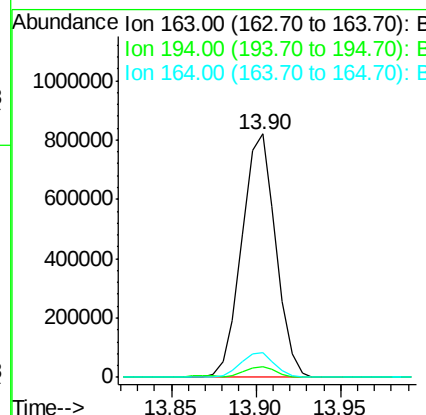
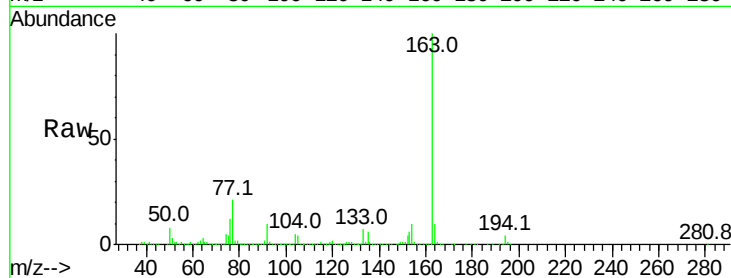
#44
Dimethylphthalate
Concen: 11.96 ng/ul
RT: 13.90 min Scan# 1924
Delta R.T. 0.00 min
Lab File: BM007039.D
Acq: 12 Aug 2016 12:22

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

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	9.9	7.8	11.8

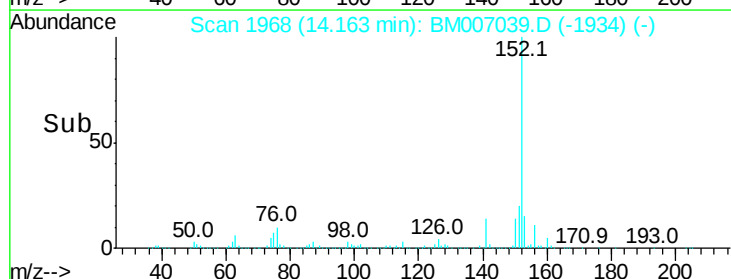
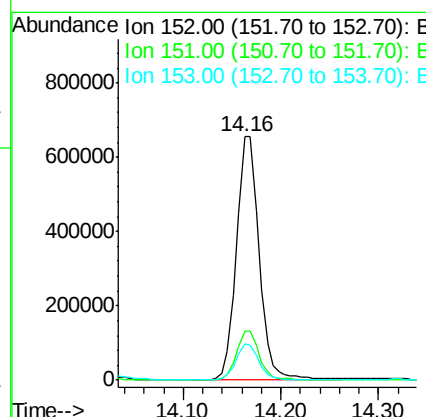
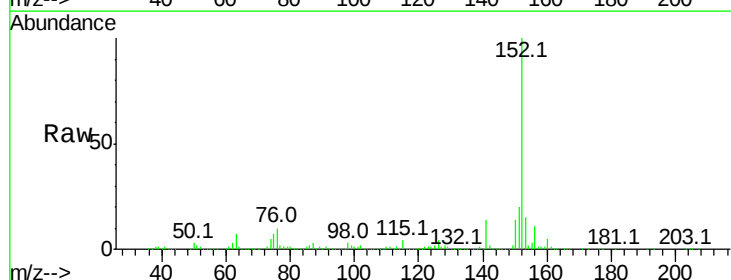
Manual Integrations
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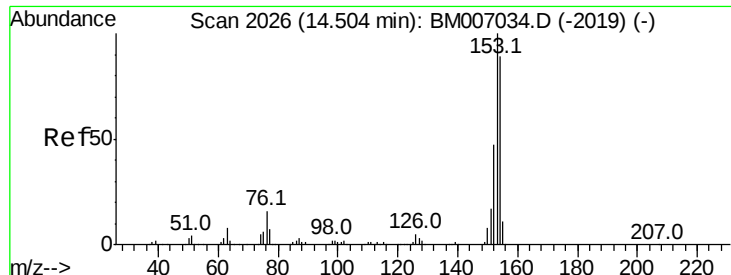
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#47
Acenaphthylene
Concen: 9.01 ng/ul
RT: 14.16 min Scan# 1968
Delta R.T. 0.00 min
Lab File: BM007039.D
Acq: 12 Aug 2016 12:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.0	24.0
153	14.7	11.0	16.6





#49

Acenaphthene

Concen: 17.77 ng/ul

RT: 14.51 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BM007039.D

Acq: 12 Aug 2016 12:22

Instrument :

BNA_M

ClientSampleId :

PR002-SS001-1218-01MS

Tot Ion:153 Resp: 1365761

Ion Ratio Lower Upper

153 100

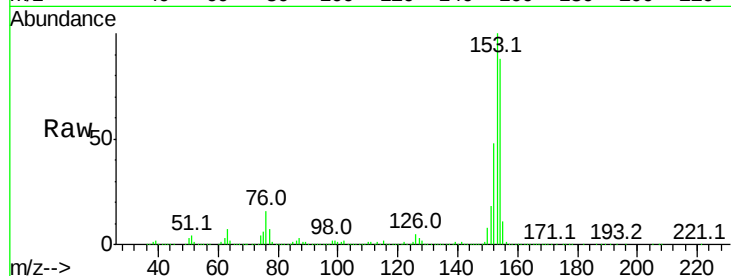
152 47.9 37.8 56.6

154 87.5 71.4 107.0

Manual Integrations
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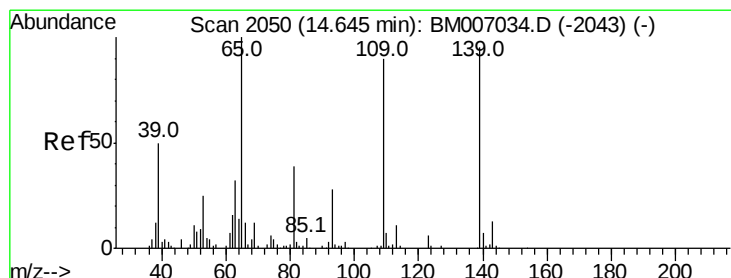
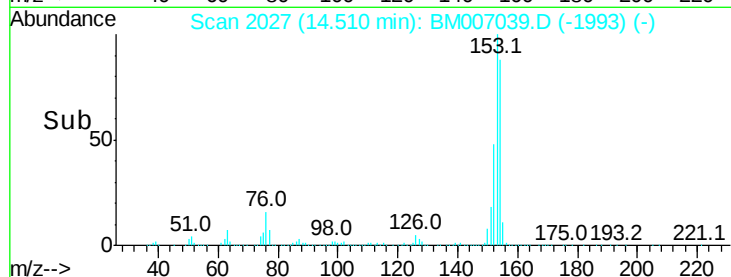
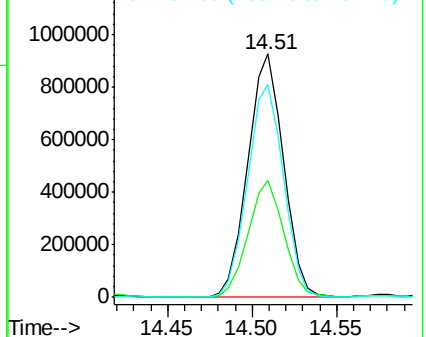


Abundance

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: 10.89 ng/ul

RT: 14.64 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BM007039.D

Acq: 12 Aug 2016 12:22

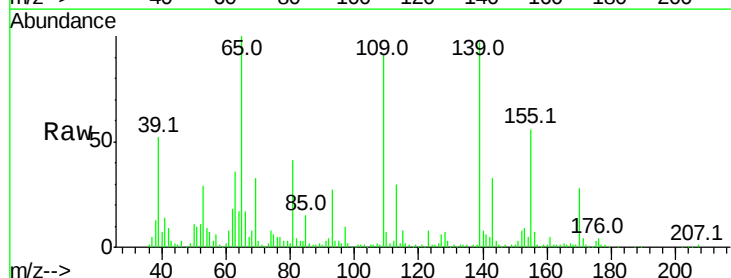
Tgt Ion:109 Resp: 189884

Ion Ratio Lower Upper

109 100

139 106.7 88.7 133.1

65 109.5 96.4 144.6

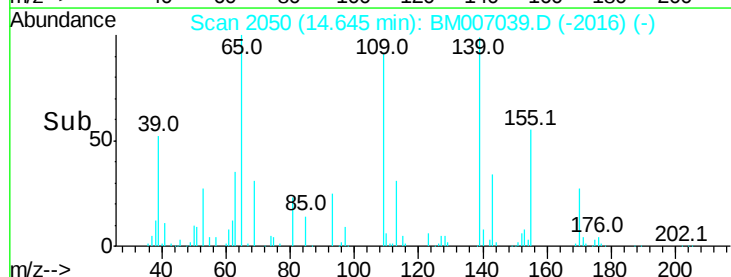
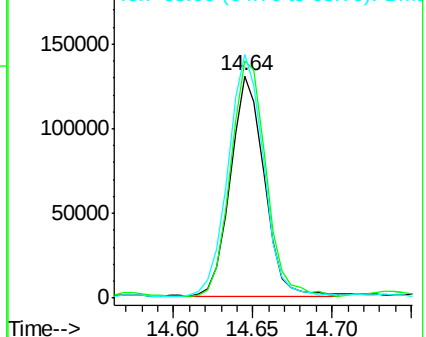


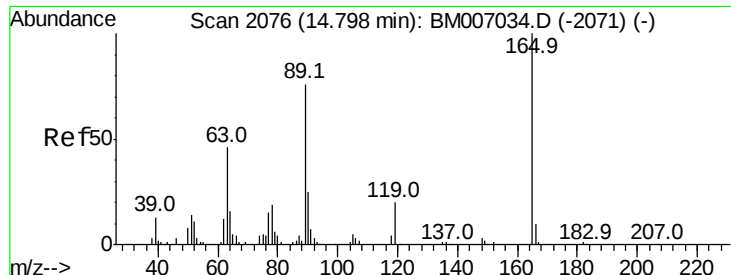
Abundance

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





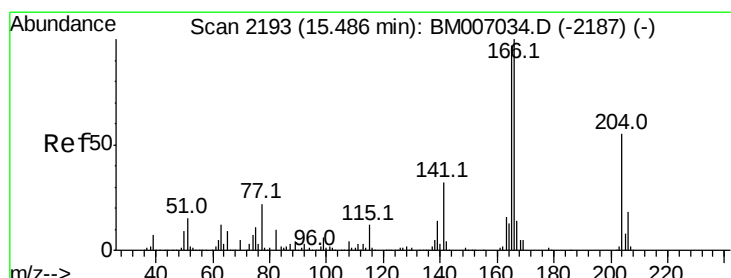
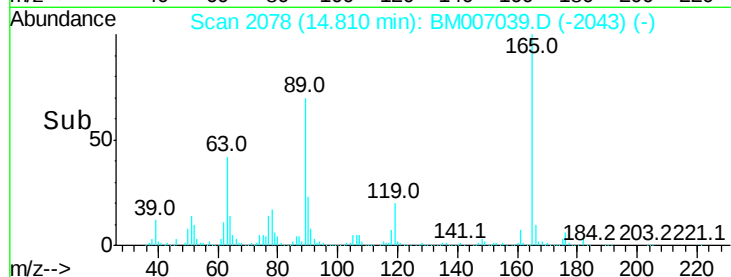
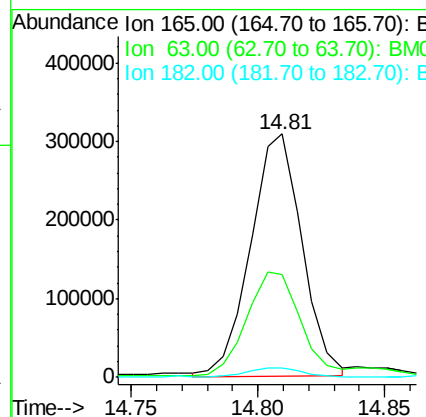
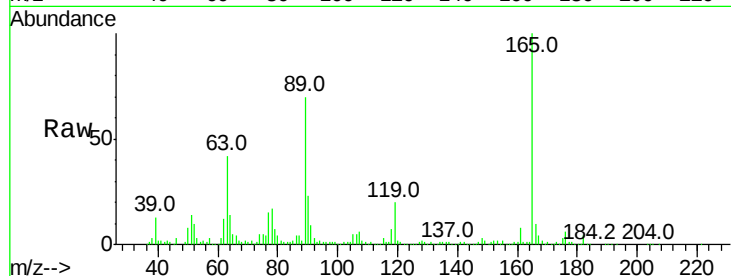
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2,4-Dinitrotoluene
Concen: 15.92 ng/ul
RT: 14.81 min Scan# 2078
Delta R.T. 0.01 min
Lab File: BM007039.D
Acq: 12 Aug 2016 12:22

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

Tot Ion	Ratio	Resp	Lower	Upper
165	100	436730		
63	42.3	36.2	54.2	
182	4.1	2.2	3.4	

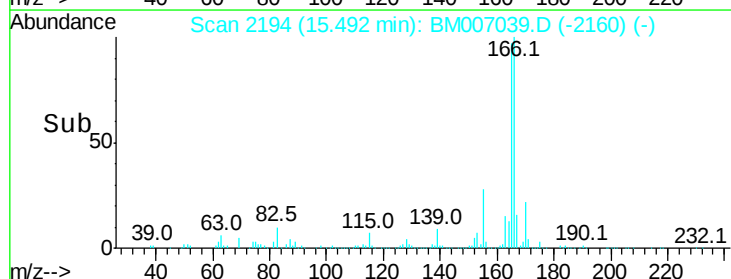
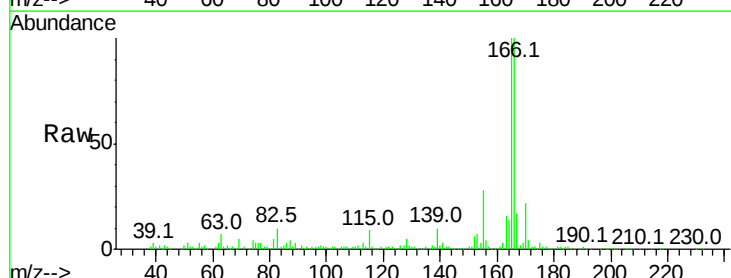
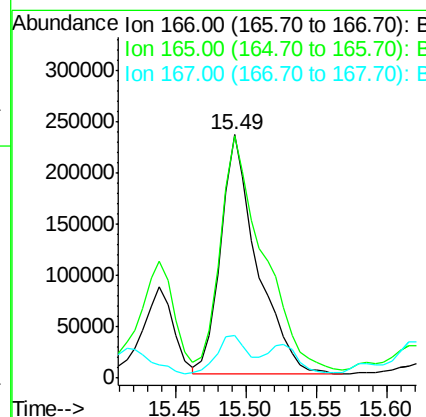
Manual Integrations
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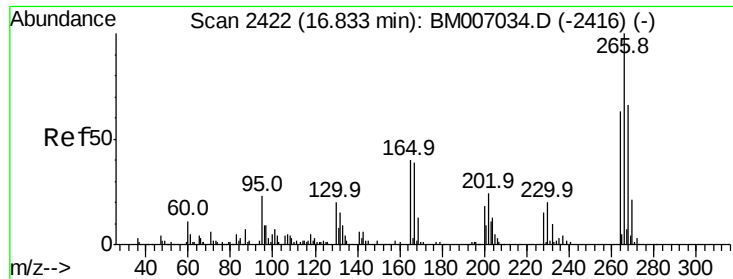
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#58
Fluorene
Concen: 4.57 ng/ul
RT: 15.49 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BM007039.D
Acq: 12 Aug 2016 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	420266		
165	99.6	79.9	119.9	
167	17.3	10.5	15.7	





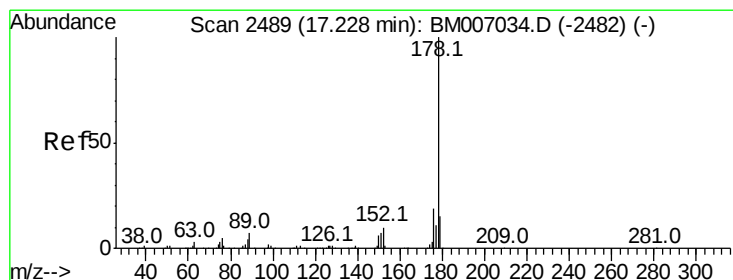
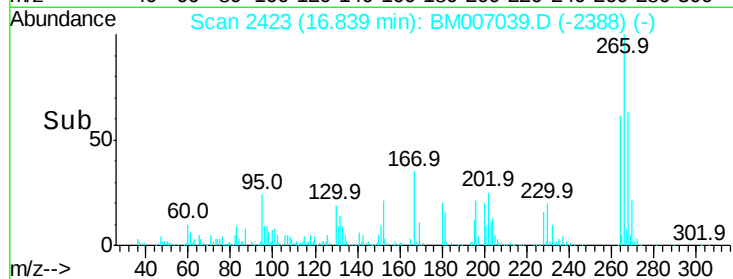
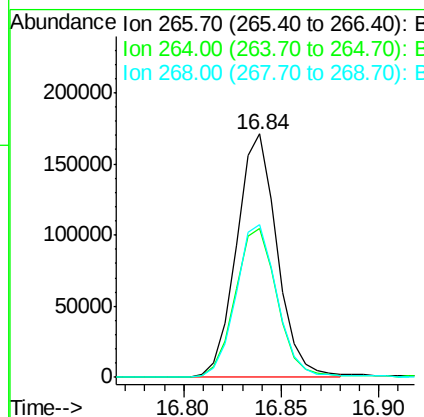
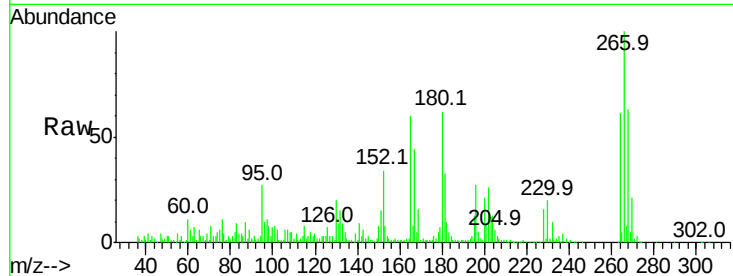
#68
 Pentachlorophenol
 Concen: 13.20 ng/ul
 RT: 16.84 min Scan# 2423
 Delta R.T. 0.01 min
 Lab File: BM007039.D
 Acq: 12 Aug 2016 12:22

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

Tot Ion	Ratio	Resp	Lower	Upper
266	100	246042		
264	61.1	50.6	75.8	
268	62.7	51.0	76.6	

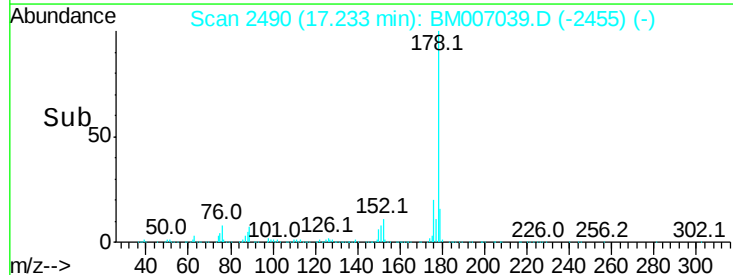
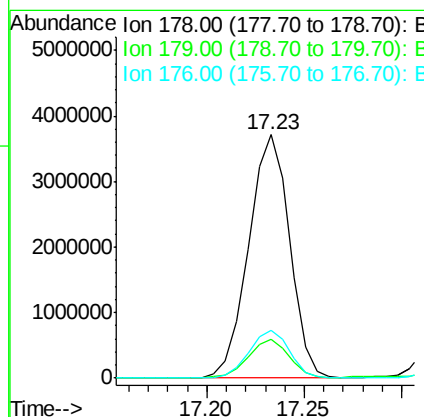
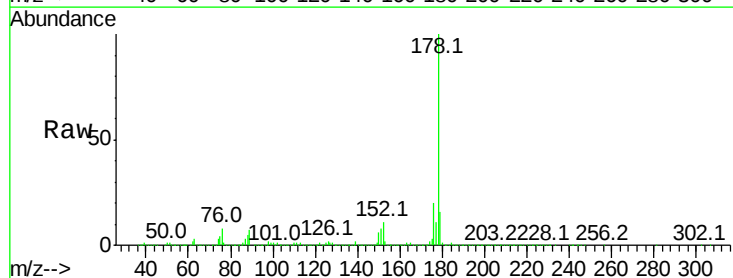
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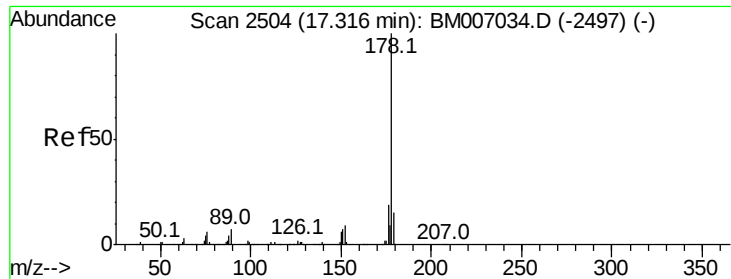
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#69
 Phenanthrene
 Concen: 42.21 ng/ul
 RT: 17.23 min Scan# 2490
 Delta R.T. 0.01 min
 Lab File: BM007039.D
 Acq: 12 Aug 2016 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	5367768		
179	16.1	12.2	18.2	
176	19.9	15.1	22.7	





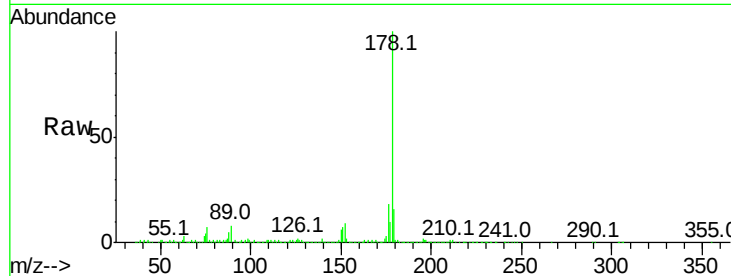
#71
 Anthracene
 Concen: 7.72 ng/ul
 RT: 17.32 min Scan# 2505
 Delta R.T. 0.00 min
 Lab File: BM007039.D
 Acq: 12 Aug 2016 12:22

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

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.1	18.1
176	18.2	14.5	21.7

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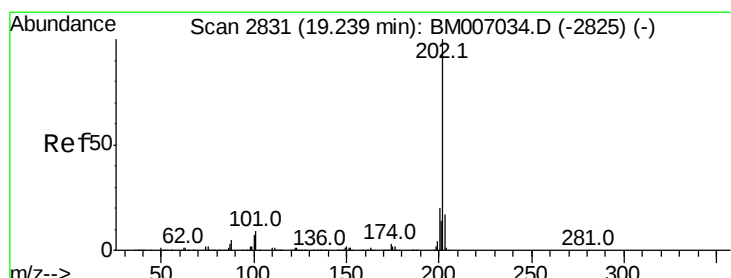
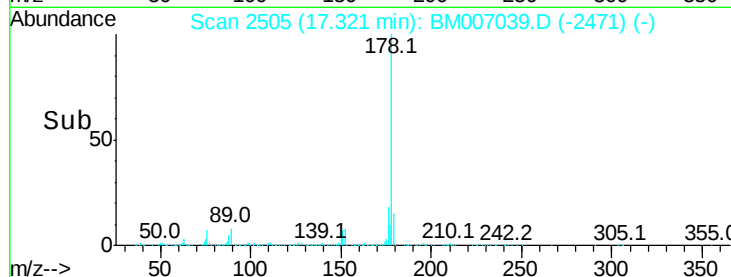
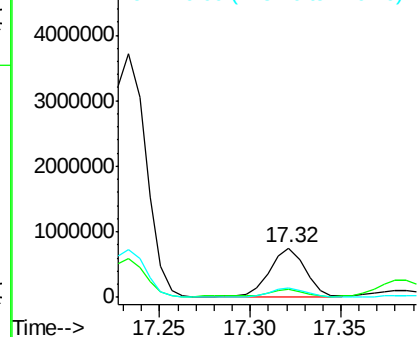


Abundance

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: 33.33 ng/ul
 RT: 19.25 min Scan# 2833
 Delta R.T. 0.01 min
 Lab File: BM007039.D
 Acq: 12 Aug 2016 12:22

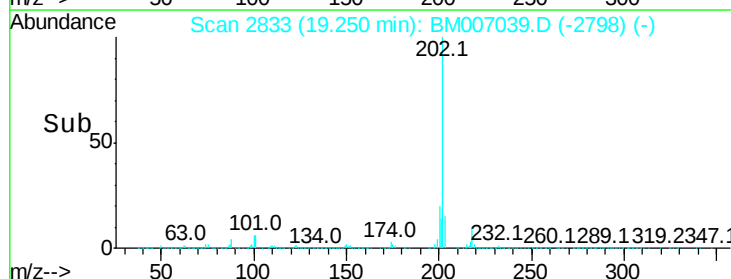
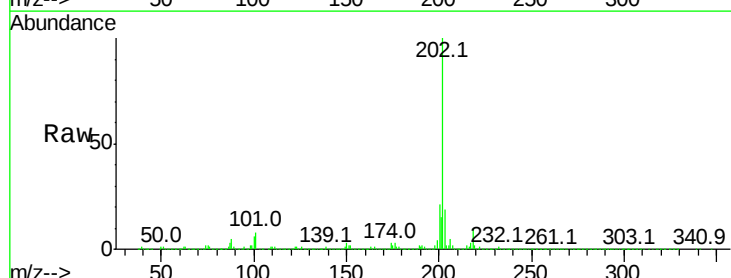
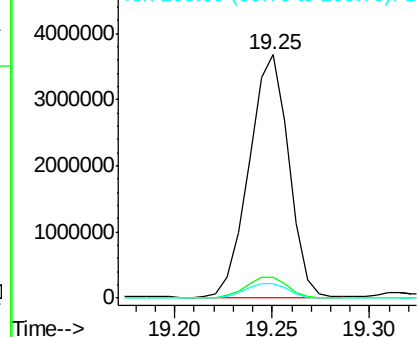
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	6.9	10.3
100	6.1	5.4	8.0

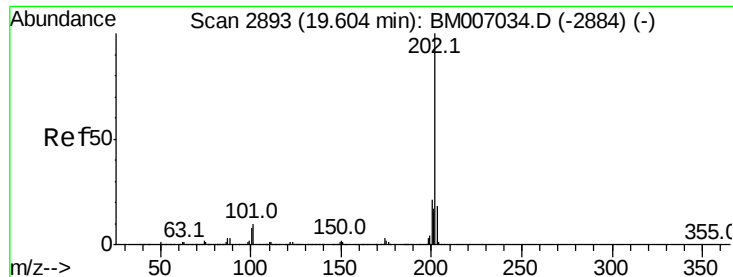
Abundance

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





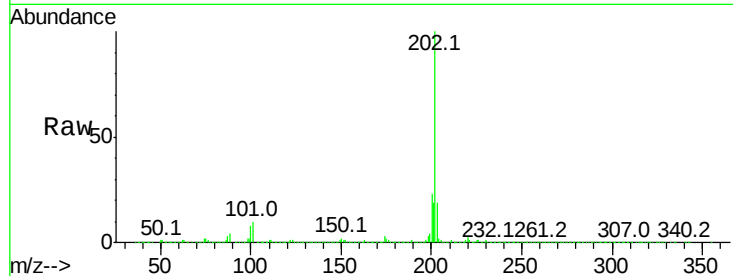
#77
Pvrene
Concen: 87.36 ng/ul
RT: 19.62 min Scan# 2895
Delta R.T. 0.01 min
Lab File: BM007039.D
Acq: 12 Aug 2016 12:22

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

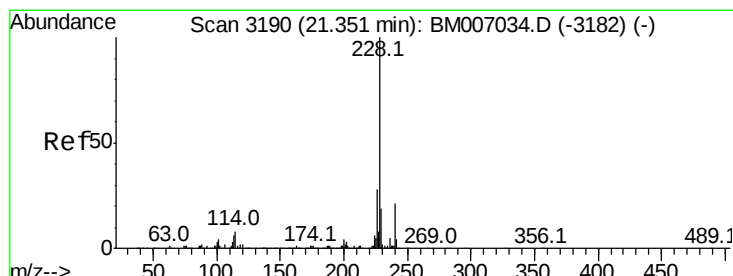
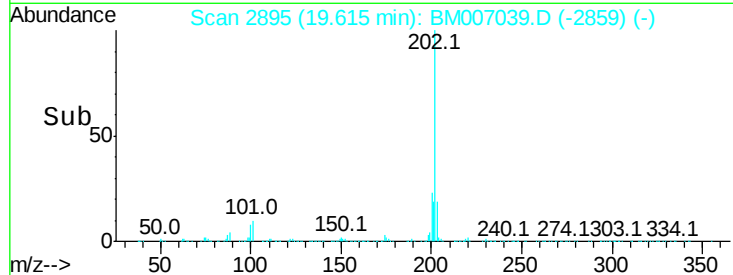
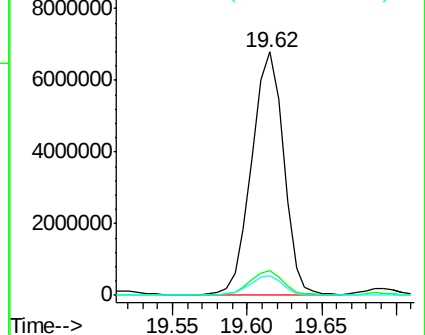
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.4	12.6
100	7.9	6.9	10.3

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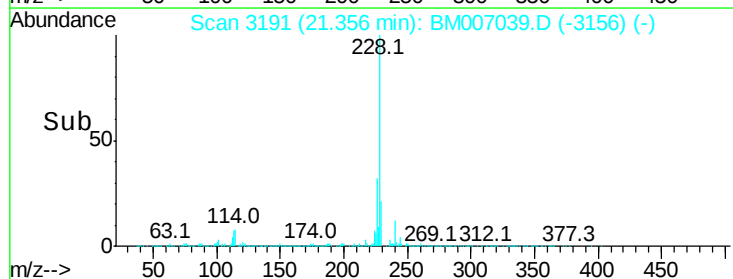
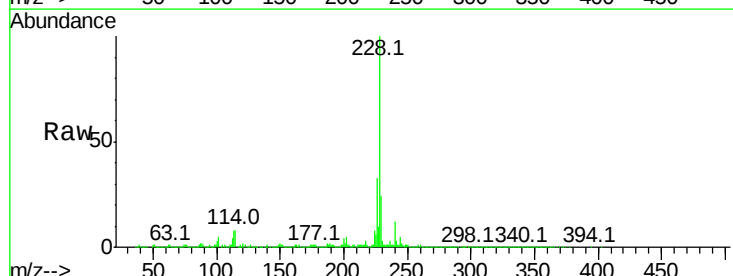
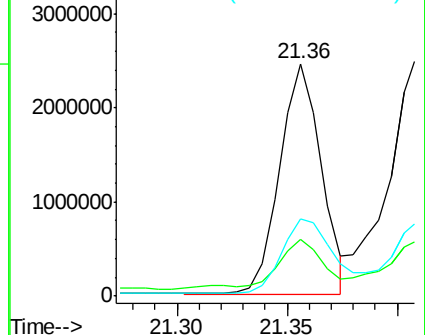
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

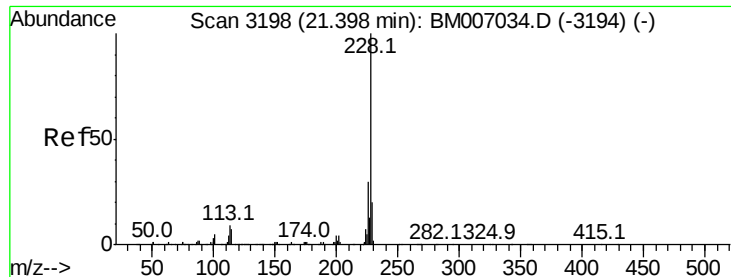


#80
Benzo(a)anthracene
Concen: 26.41 ng/ul m
RT: 21.36 min Scan# 3191
Delta R.T. 0.01 min
Lab File: BM007039.D
Acq: 12 Aug 2016 12:22

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.5	15.6	23.4#
226	33.2	21.8	32.8#

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





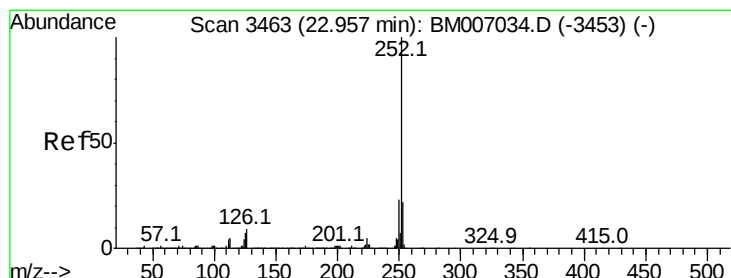
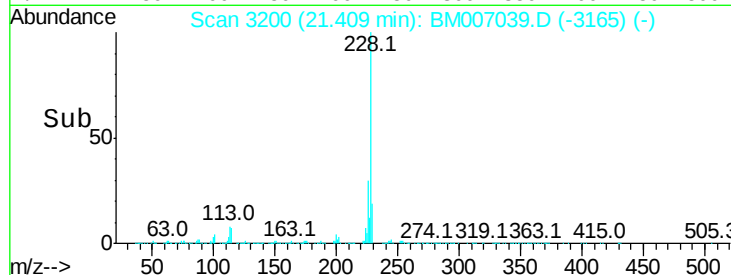
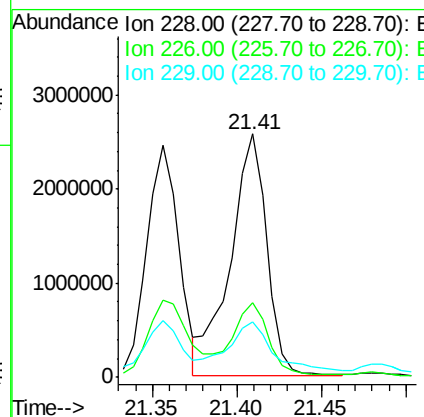
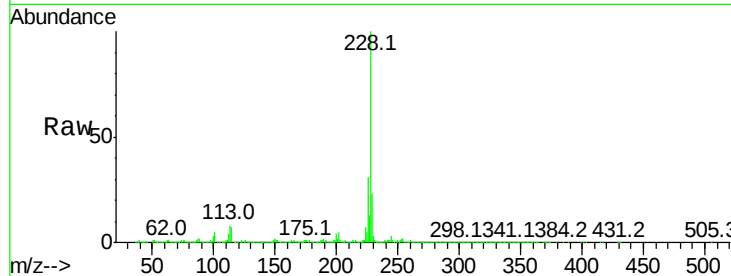
#82
 Chrysene
 Concen: 34.36 ng/ul
 RT: 21.41 min Scan# 3200
 Delta R.T. 0.01 min
 Lab File: BM007039.D
 Acq: 12 Aug 2016 12:22

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.4	35.2
229	22.7	15.5	23.3

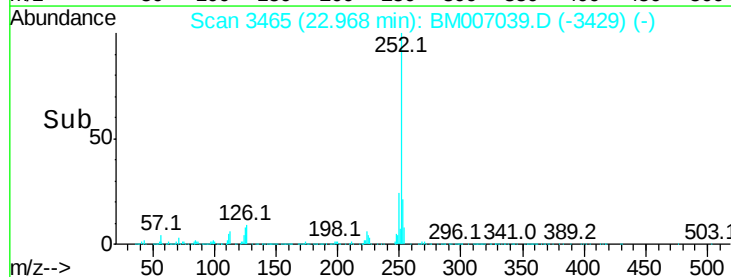
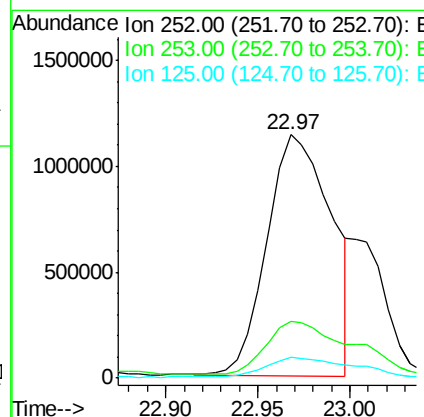
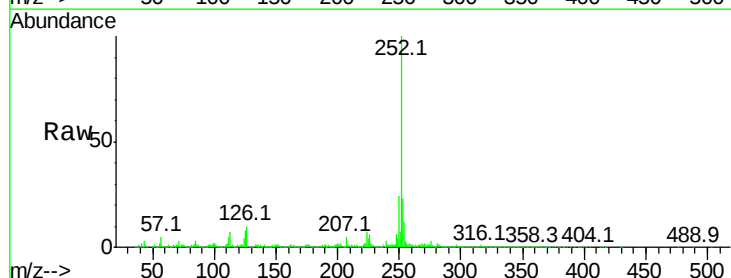
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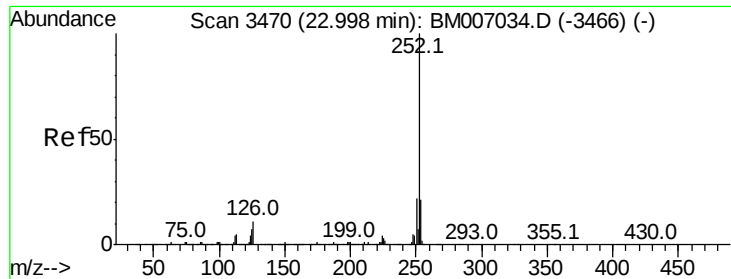
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#85
 Benzo(b)fluoranthene
 Concen: 20.56 ng/ul m
 RT: 22.97 min Scan# 3465
 Delta R.T. 0.01 min
 Lab File: BM007039.D
 Acq: 12 Aug 2016 12:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	8.4	5.8	8.8





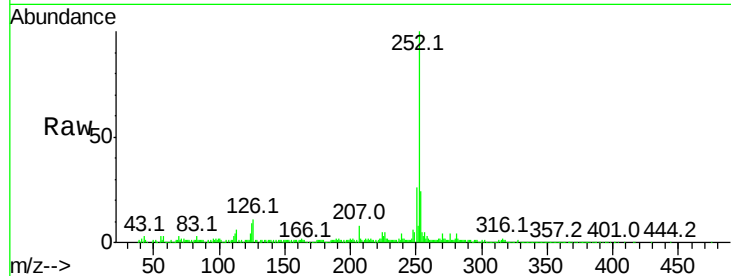
#86
Benzo(k)fluoranthene
Concen: 6.66 ng/ul m
RT: 23.00 min Scan# 3470
Delta R.T. -0.01 min
Lab File: BM007039.D
Acq: 12 Aug 2016 12:22

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

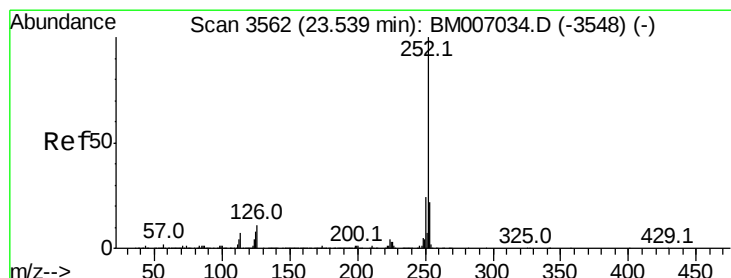
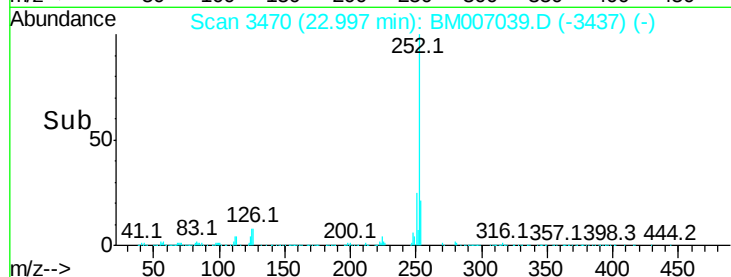
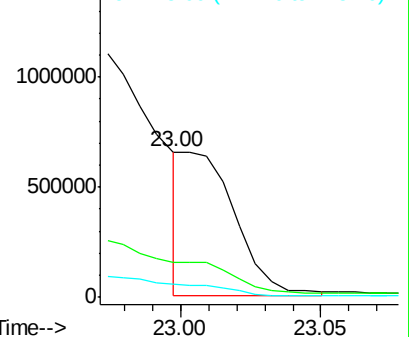
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.6	26.4
125	9.3	5.7	8.5

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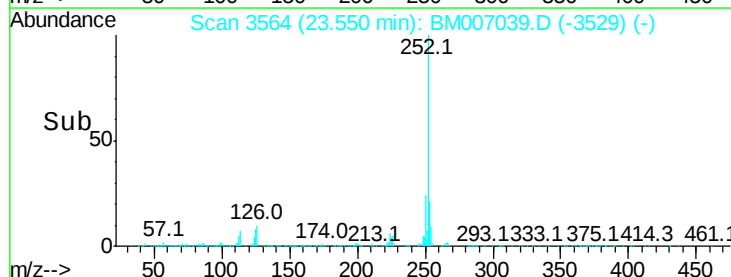
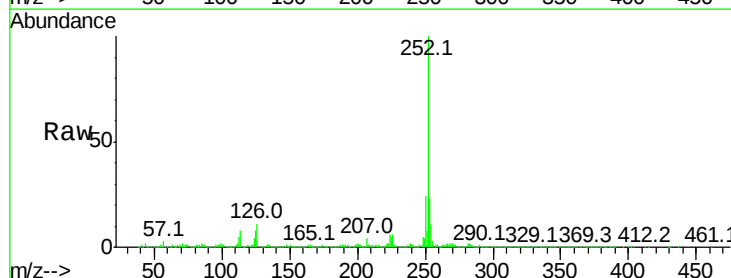
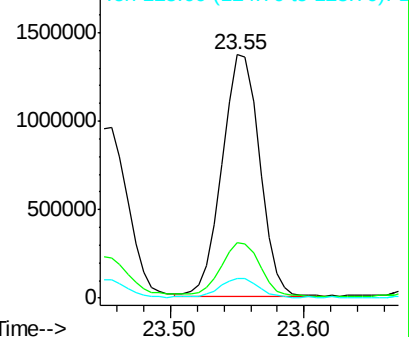
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

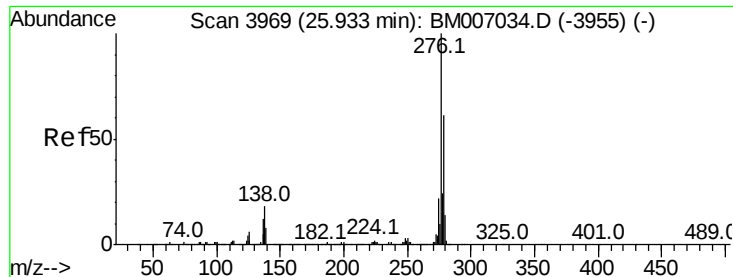


#88
Benzo(a)pyrene
Concen: 20.78 ng/ul
RT: 23.55 min Scan# 3564
Delta R.T. 0.01 min
Lab File: BM007039.D
Acq: 12 Aug 2016 12:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	8.2	6.6	9.8

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





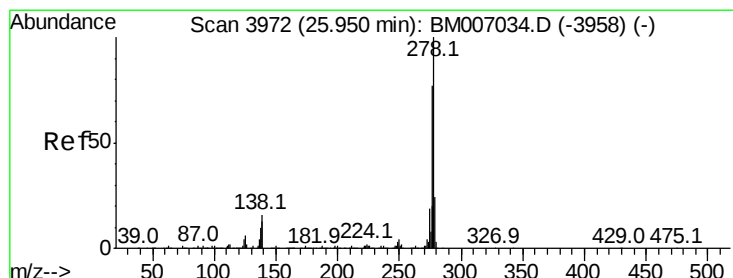
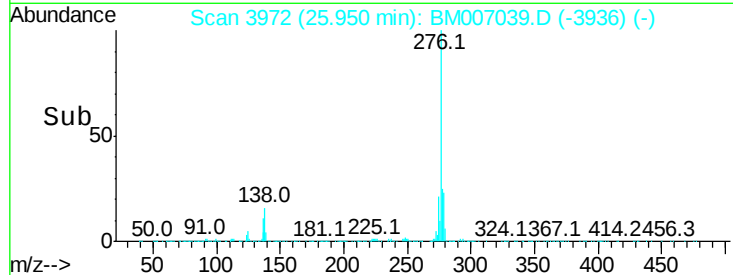
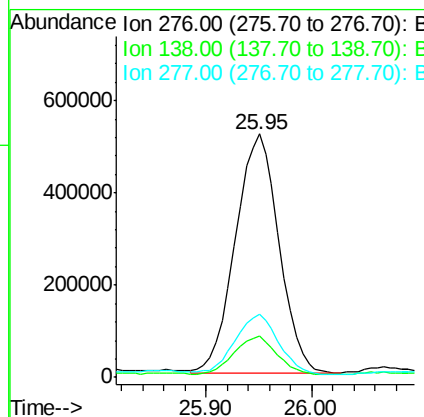
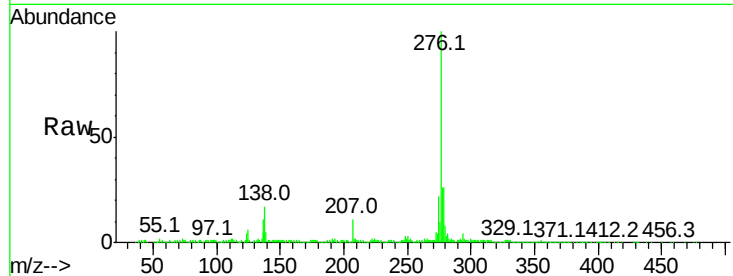
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 9.44 ng/ul
 RT: 25.95 min Scan# 3972
 Delta R.T. 0.01 min
 Lab File: BM007039.D
 Acq: 12 Aug 2016 12:22

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.8	13.9	20.9
277	25.8	20.1	30.1

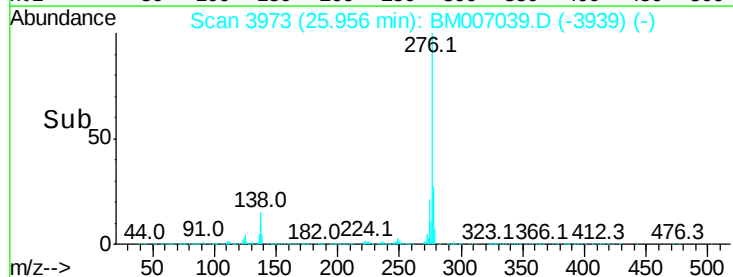
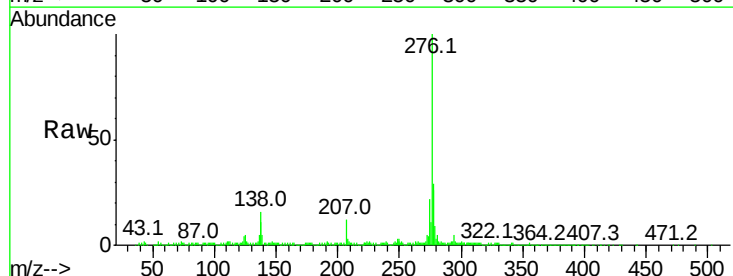
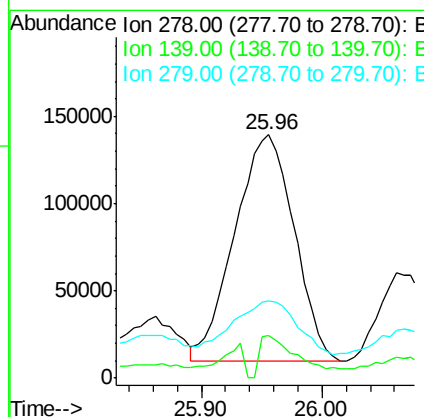
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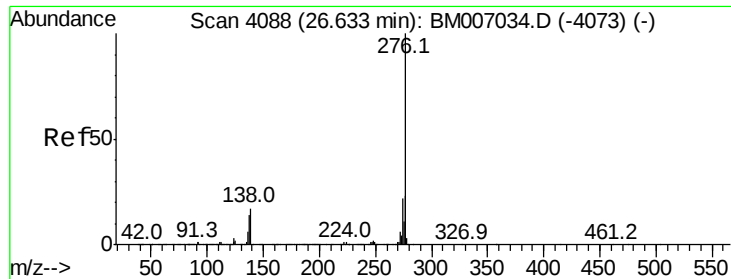
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#90
 Dibenzo(a,h)anthracene
 Concen: 3.38 ng/ul
 RT: 25.96 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: BM007039.D
 Acq: 12 Aug 2016 12:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.4	9.5	14.3#
279	31.9	19.1	28.7#





#91
 Benzo(a,h,i)perylene
 Concen: 12.26 ng/ul
 RT: 26.66 min Scan# 4092
 Delta R.T. 0.02 min
 Lab File: BM007039.D
 Acq: 12 Aug 2016 12:22

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.2	13.5	20.3
277	23.4	19.3	28.9

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