

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
 Data File : BM007040.D
 Acq On : 12 Aug 2016 12:58
 Operator : UM/SJ
 Sample : H4387-23MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Aug 12 18:17:51 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	469153	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	2101437	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	1313206	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	2877681	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	2182711	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	2262184	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	24485	2.28	ng/uL	0.00
5) Phenol-d5	6.97	99	602388	15.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	350494	16.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	494152	16.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	457016	14.61	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	253639	16.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	275012	16.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	551029	16.13	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	412488	10.15	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1734643	15.99	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	2179227	16.72	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	218033	11.21	ng/ul	0.00
57) Fluorene-d10	15.44	176	1542117	16.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	134858	8.48	ng/ul	0.00
70) Anthracene-d10	17.29	188	2272408	17.05	ng/ul	0.00
76) Pyrene-d10	19.59	212	2067924	22.45	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.51	264	1713369	16.56	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	7.00	94	690765	17.26 ng/ul	98
10) 2-Chlorophenol	7.38	128	499590	16.14 ng/ul	98
15) N-Nitroso-di-n-propylamine	8.62	70	434178	17.32 ng/ul	96
28) Naphthalene	10.65	128	107129	1.03 ng/ul	98
33) 4-Chloro-3-methylphenol	11.87	107	623767	16.78 ng/ul	98
34) 2-Methylnaphthalene	12.26	142	134137	1.67 ng/ul	99
44) Dimethylphthalate	13.90	163	1294603	11.94 ng/ul	99
47) Acenaphthylene	14.17	152	1106836	8.25 ng/ul	99
49) Acenaphthene	14.51	153	1538469	17.66 ng/ul	99
52) 4-Nitrophenol	14.65	109	226101	11.44 ng/ul	94
54) 2,4-Dinitrotoluene	14.81	165	525746	16.90 ng/ul#	99
58) Fluorene	15.49	166	474059	4.55 ng/ul#	99
68) Pentachlorophenol	16.84	266	302102	13.32 ng/ul	100
69) Phenanthrene	17.23	178	6447436	41.66 ng/ul	98
71) Anthracene	17.32	178	1101963	6.94 ng/ul	99
74) Fluoranthene	19.25	202	6013936	32.04 ng/ul	99
77) Pyrene	19.62	202	11433035	94.74 ng/ul	99
80) Benzo(a)anthracene	21.36	228	3600809m	27.92 ng/ul	
82) Chrysene	21.41	228	3817041	32.39 ng/ul	95
85) Benzo(b)fluoranthene	22.97	252	2932978	21.52 ng/ul	96
86) Benzo(k)fluoranthene	23.00	252	720118m	5.63 ng/ul	
88) Benzo(a)pyrene	23.56	252	2628340	20.35 ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.96	276	1478157	9.34 ng/ul	99

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Manual Integrations
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Quant Time: Aug 12 18:17:51 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	449272	3.38	ng/ul#	85
91) Benzo(g,h,i)perylene	26.66	276	1611350	12.04	ng/ul	99

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

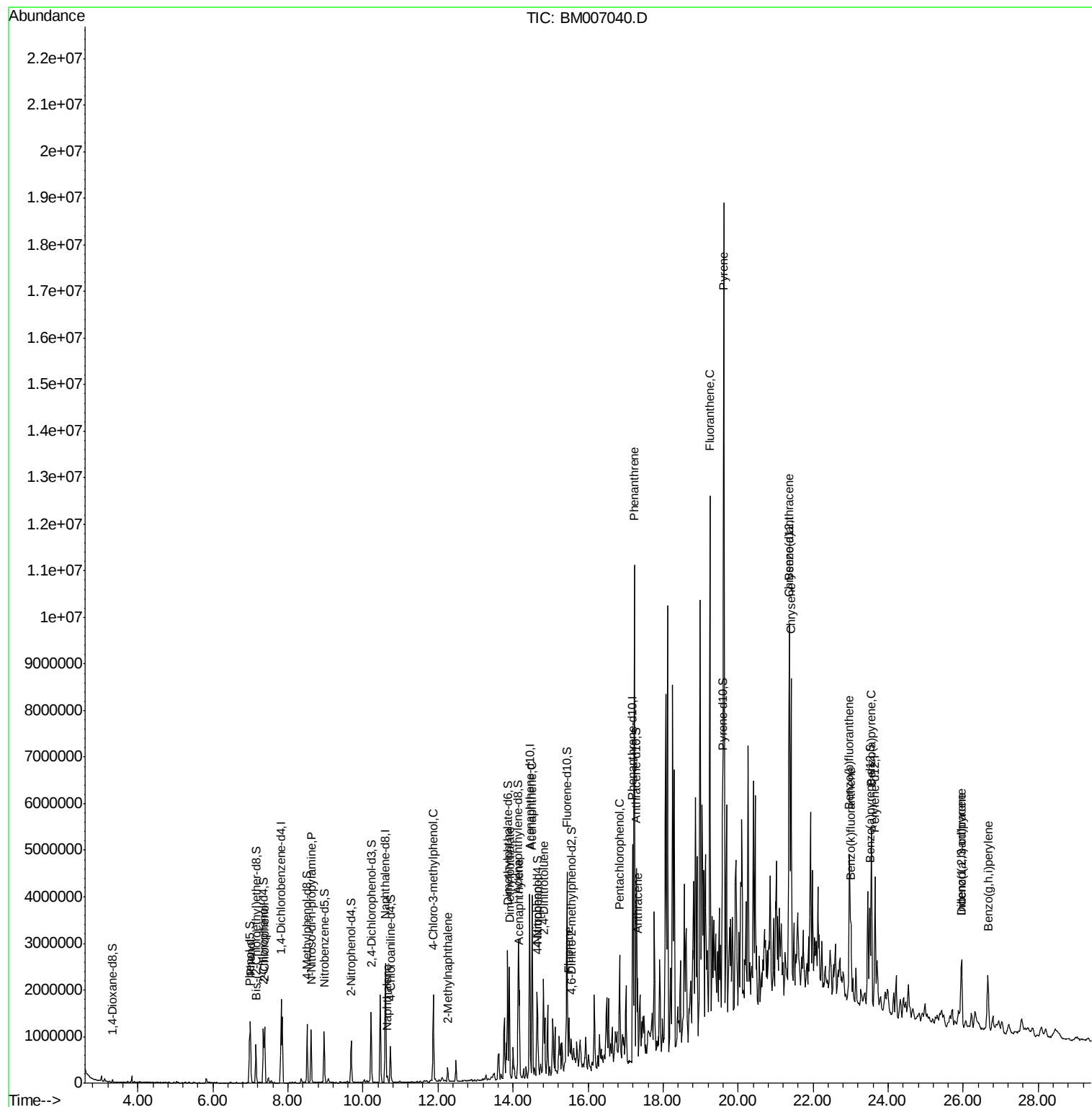
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
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Sample : H4387-23MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

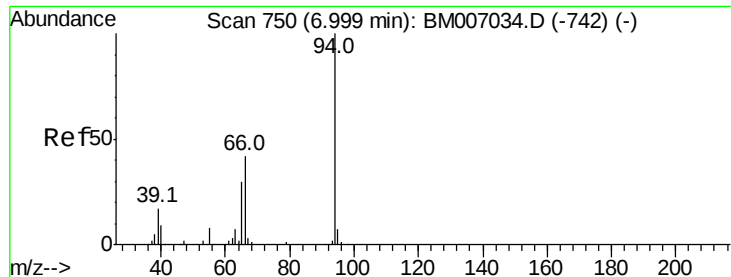
Instrument :
BNA_M
ClientSampleId :
PR002-SS001-1218-01MSD

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 17.26 ng/ul

RT: 7.00 min Scan# 751

Delta R.T. 0.00 min

Lab File: BM007040.D

Acq: 12 Aug 2016 12:58

Instrument :

BNA_M

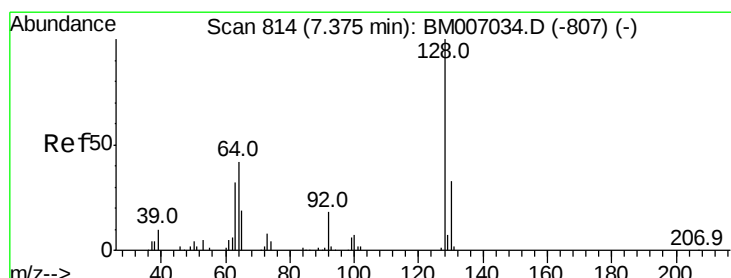
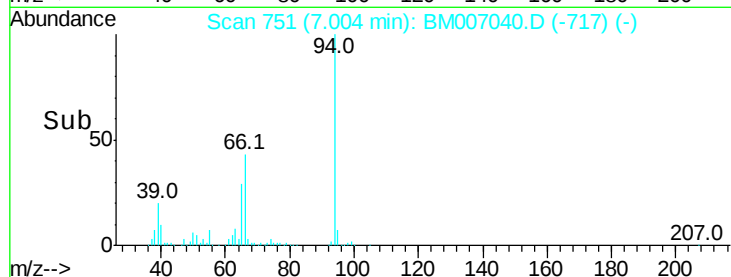
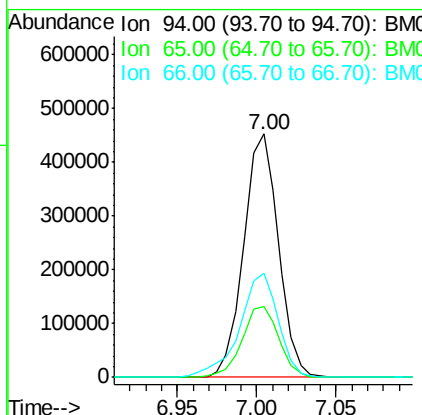
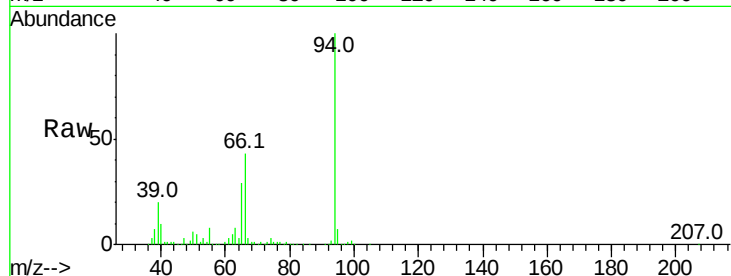
ClientSampleId :

PR002-SS001-1218-01MSD

Tot Ion	94	Resp	690765
Ion Ratio	100	Lower	Upper
94	100		
65	28.9	23.9	35.9
66	42.9	33.5	50.3

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#10

2-Chlorophenol

Concen: 16.14 ng/ul

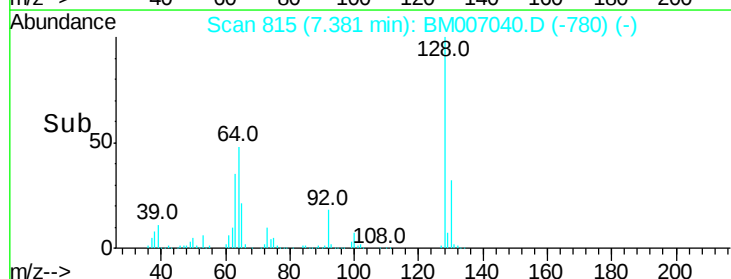
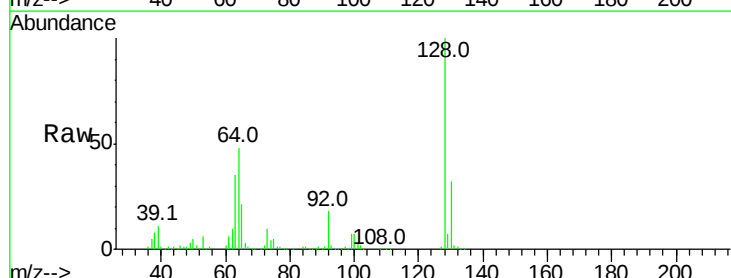
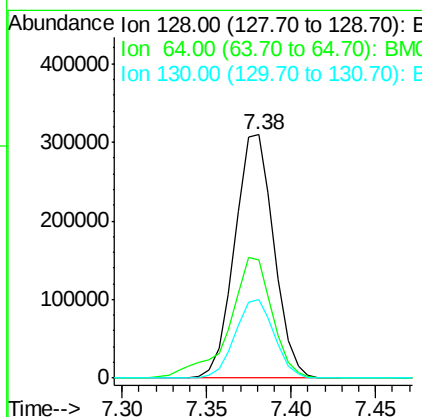
RT: 7.38 min Scan# 815

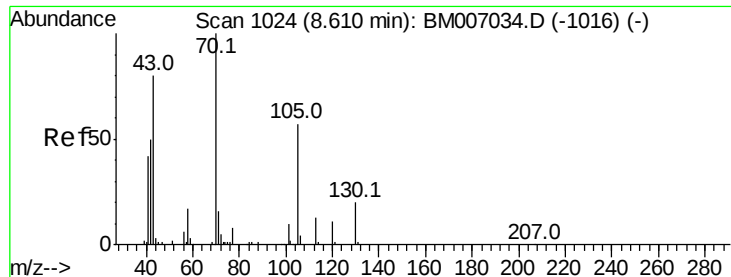
Delta R.T. 0.01 min

Lab File: BM007040.D

Acq: 12 Aug 2016 12:58

Tgt Ion	128	Resp	499590
Ion Ratio	100	Lower	Upper
128	100		
64	48.3	37.5	56.3
130	32.2	25.0	37.4





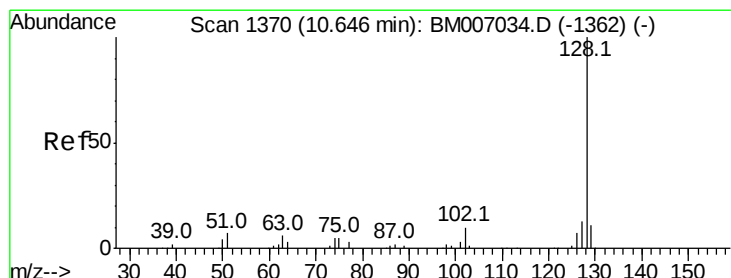
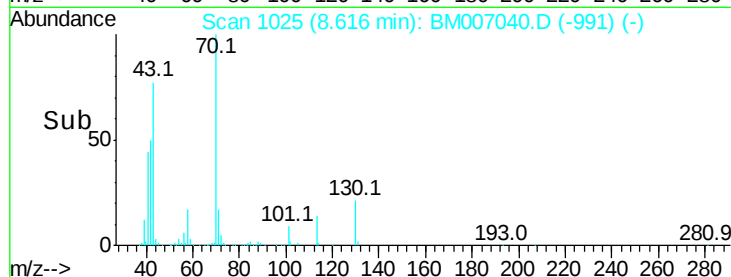
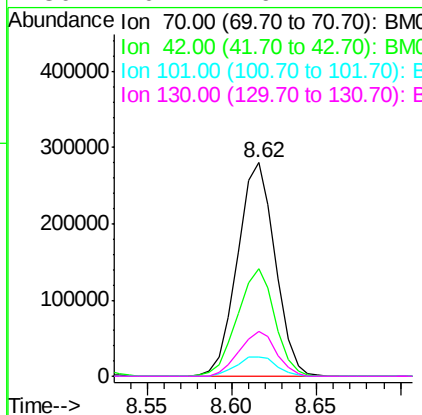
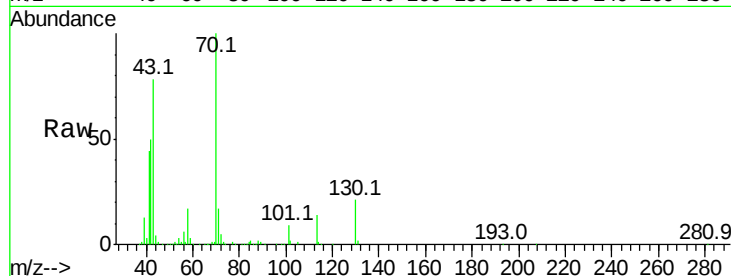
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N-Nitroso-di-n-propylamine
Concen: 17.32 ng/ul
RT: 8.62 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BM007040.D
Acq: 12 Aug 2016 12:58

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

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	50.3	43.4	65.2	
101	9.1	7.8	11.6	
130	20.7	16.2	24.4	

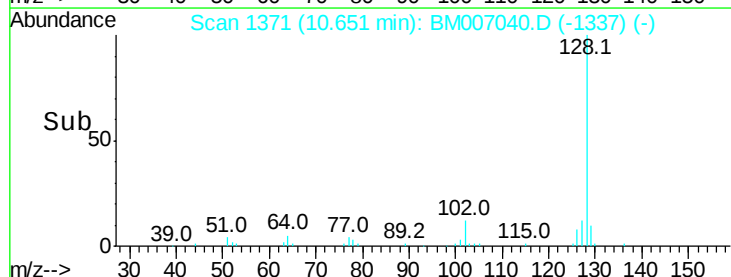
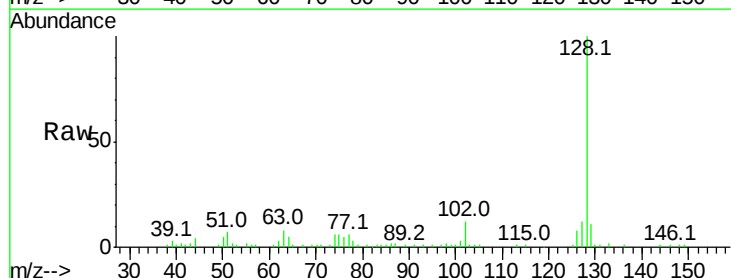
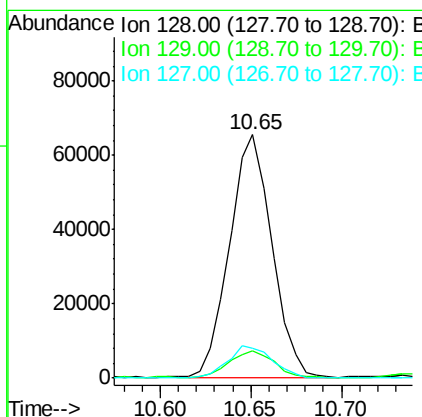
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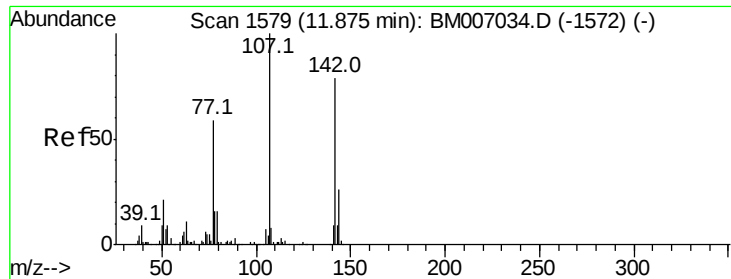
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#28
Naphthalene
Concen: 1.03 ng/ul
RT: 10.65 min Scan# 1371
Delta R.T. -0.00 min
Lab File: BM007040.D
Acq: 12 Aug 2016 12:58

Tgt Ion	Ion	Ratio	Lower	Upper
128	100			
129	11.5	8.6	12.8	
127	12.4	10.6	15.8	





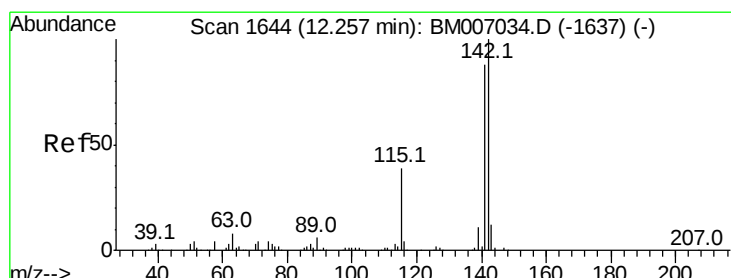
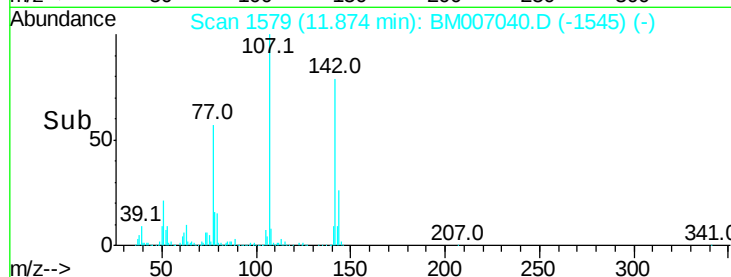
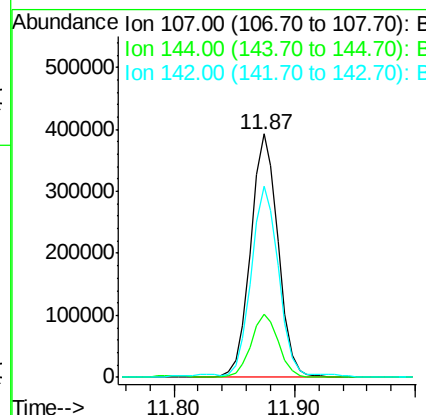
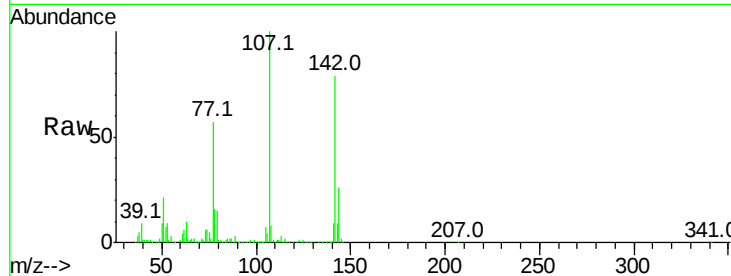
#33
4-Chloro-3-methylphenol
Concen: 16.78 ng/ul
RT: 11.87 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BM007040.D
Acq: 12 Aug 2016 12:58

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

Tot Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.1	31.7
142	78.6	64.1	96.1

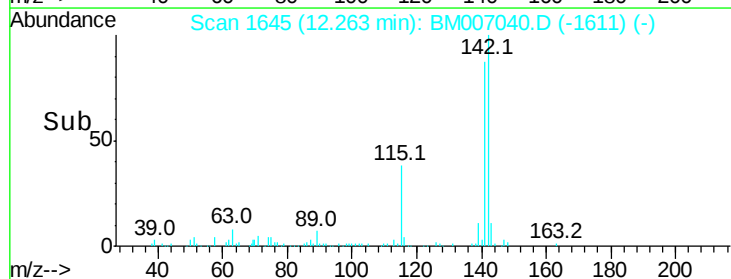
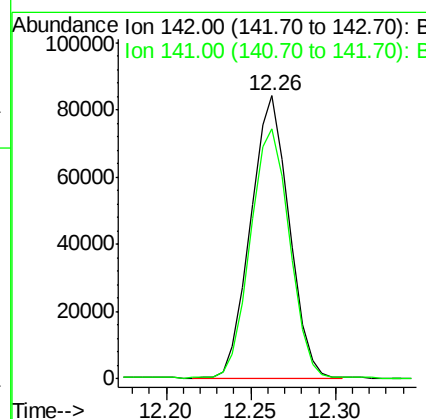
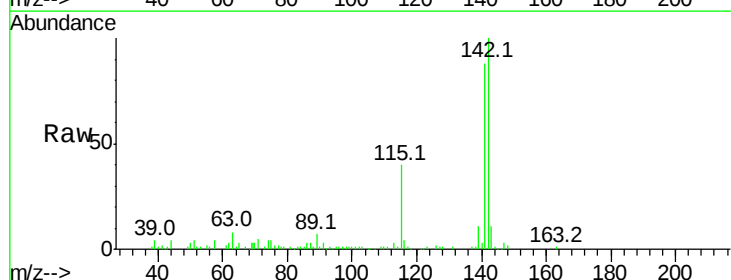
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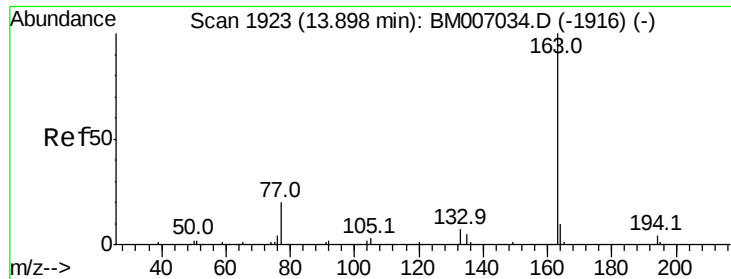
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#34
2-Methylnaphthalene
Concen: 1.67 ng/ul
RT: 12.26 min Scan# 1645
Delta R.T. 0.00 min
Lab File: BM007040.D
Acq: 12 Aug 2016 12:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.3	106.9





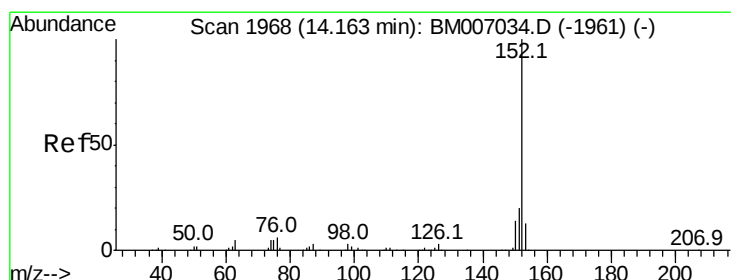
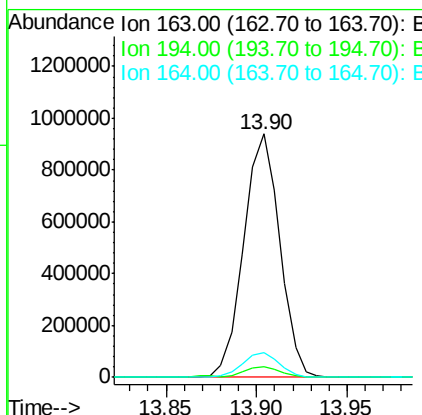
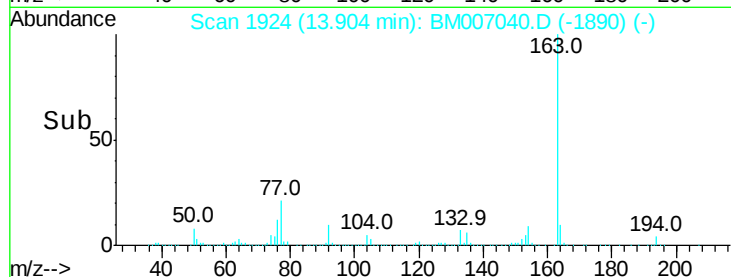
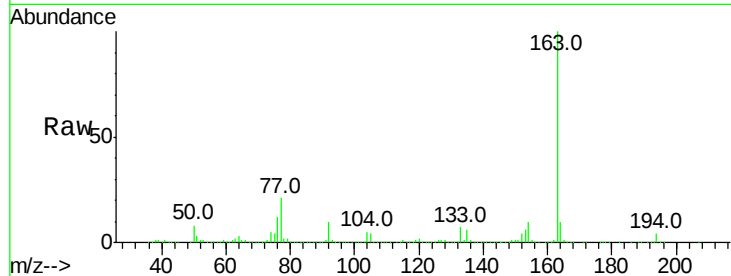
#44
Dimethylphthalate
Concen: 11.94 ng/ul
RT: 13.90 min Scan# 1924
Delta R.T. 0.00 min
Lab File: BM007040.D
Acq: 12 Aug 2016 12:58

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

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.2	7.8	11.8

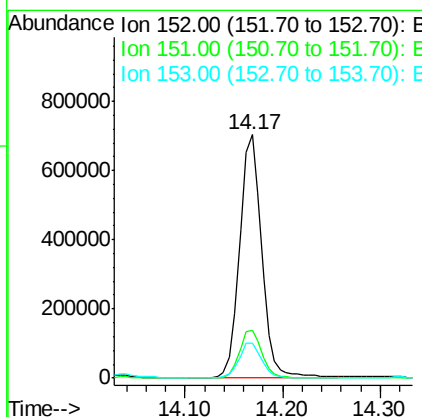
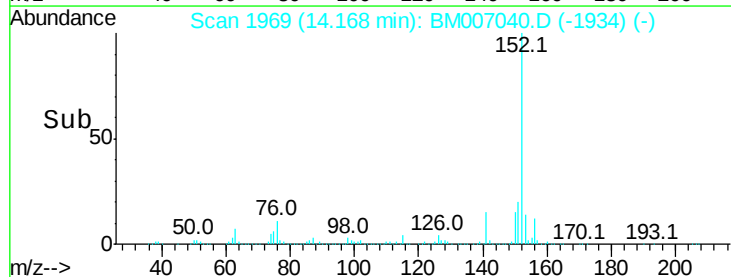
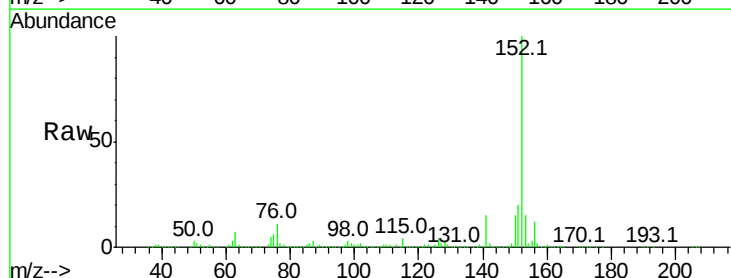
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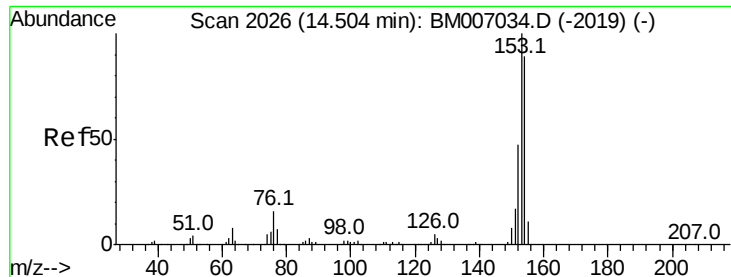
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#47
Acenaphthylene
Concen: 8.25 ng/ul
RT: 14.17 min Scan# 1969
Delta R.T. 0.01 min
Lab File: BM007040.D
Acq: 12 Aug 2016 12:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	14.6	11.0	16.6





#49

Acenaphthene

Concen: 17.66 ng/ul

RT: 14.51 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BM007040.D

Acq: 12 Aug 2016 12:58

Instrument :

BNA_M

ClientSampleId :

PR002-SS001-1218-01MSD

Tot Ion:153 Resp: 1538469

Ion Ratio Lower Upper

153 100

152 47.6 37.8 56.6

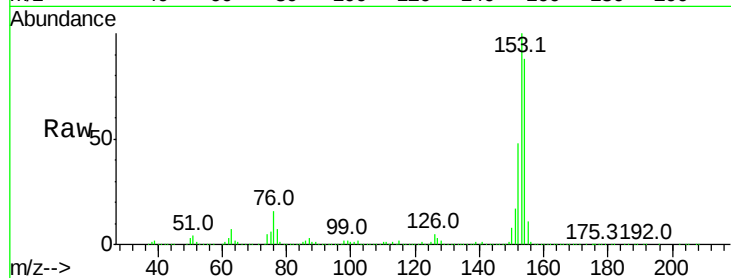
154 88.0 71.4 107.0

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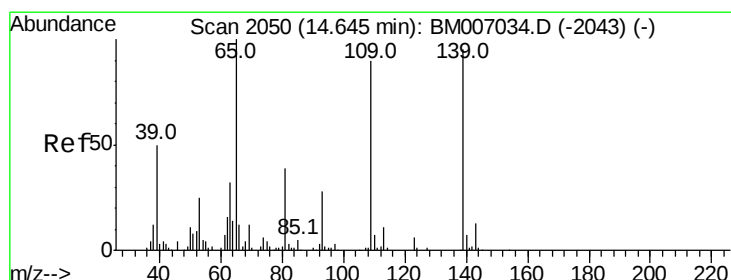
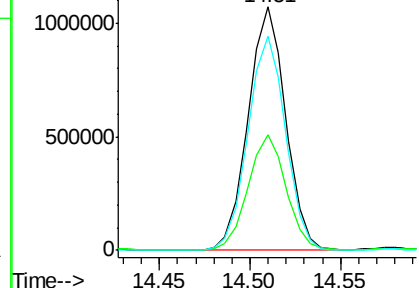
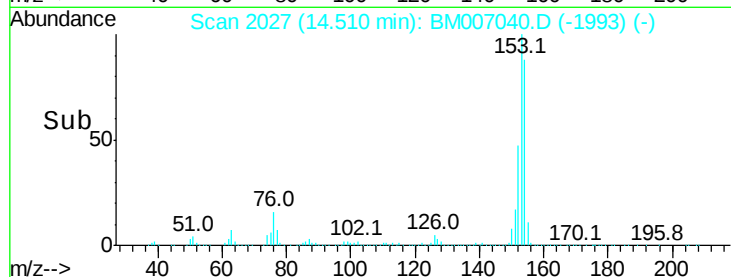
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#52

4-Nitrophenol

Concen: 11.44 ng/ul

RT: 14.65 min Scan# 2051

Delta R.T. 0.01 min

Lab File: BM007040.D

Acq: 12 Aug 2016 12:58

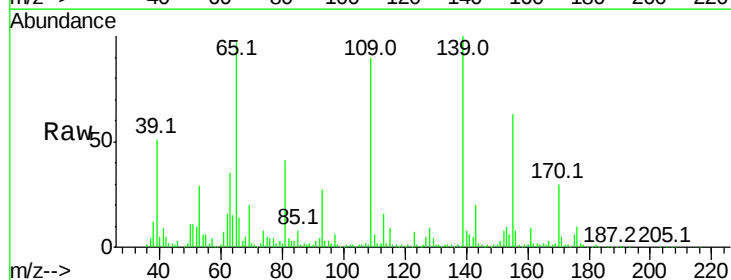
Tgt Ion:109 Resp: 226101

Ion Ratio Lower Upper

109 100

139 111.5 88.7 133.1

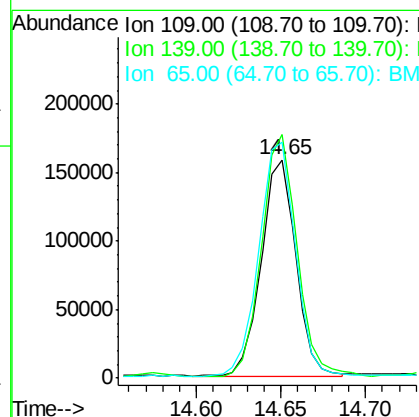
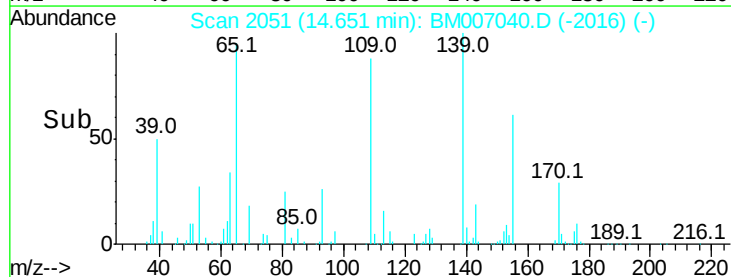
65 108.4 96.4 144.6

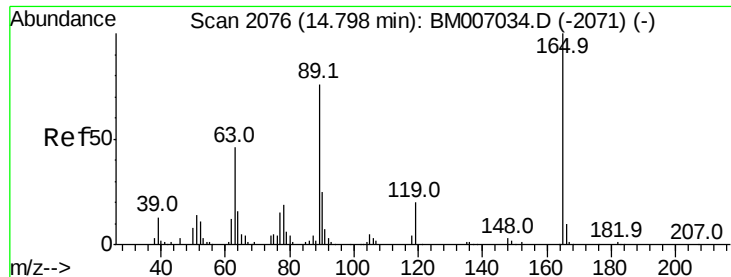


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): E





#54

2,4-Dinitrotoluene

Concen: 16.90 ng/ul

RT: 14.81 min Scan# 2078

Delta R.T. 0.01 min

Lab File: BM007040.D

Acq: 12 Aug 2016 12:58

Instrument :

BNA_M

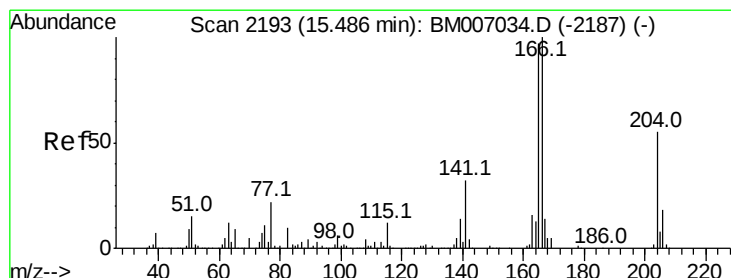
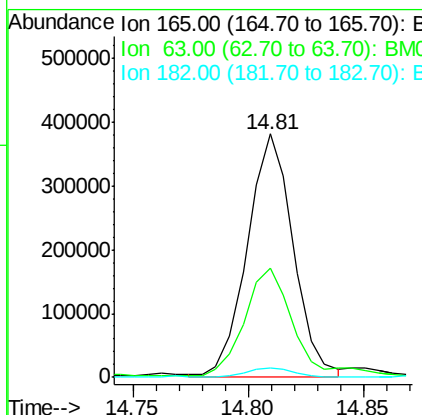
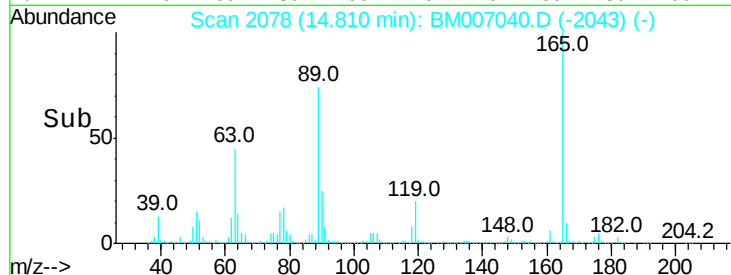
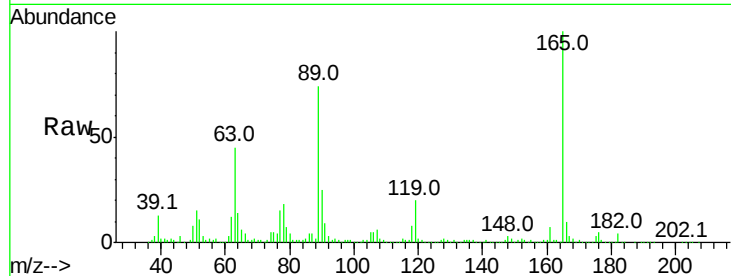
ClientSampleId :

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Tot Ion:	165	Resp:	525746
Ion Ratio	Lower	Upper	
165	100		
63	44.7	36.2	54.2
182	4.1	2.2	3.4#

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#58

Fluorene

Concen: 4.55 ng/ul

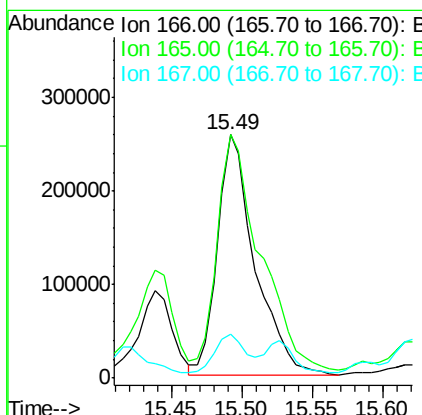
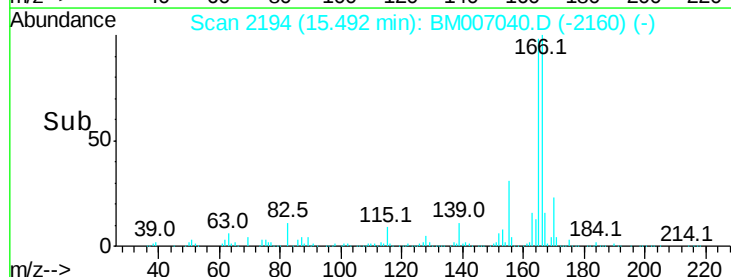
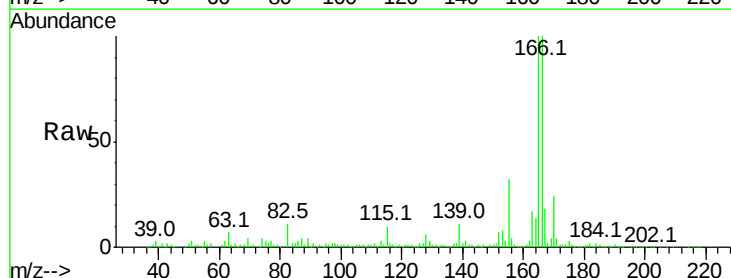
RT: 15.49 min Scan# 2194

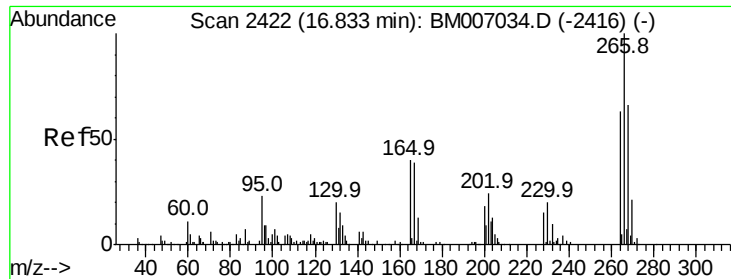
Delta R.T. 0.00 min

Lab File: BM007040.D

Acq: 12 Aug 2016 12:58

Tgt Ion:	166	Resp:	474059
Ion Ratio	Lower	Upper	
166	100		
165	99.9	79.9	119.9
167	17.9	10.5	15.7#





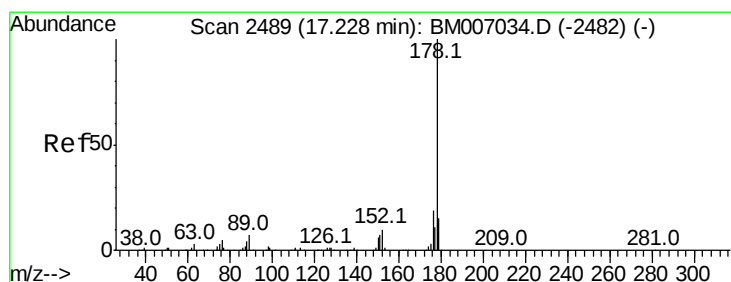
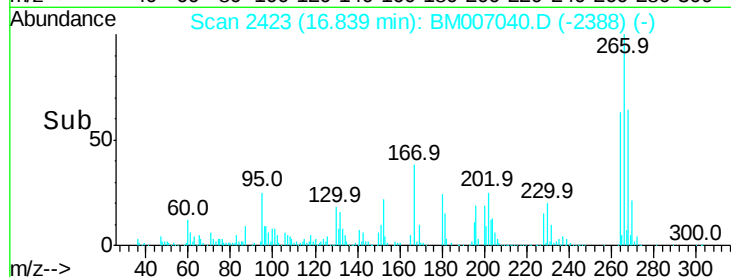
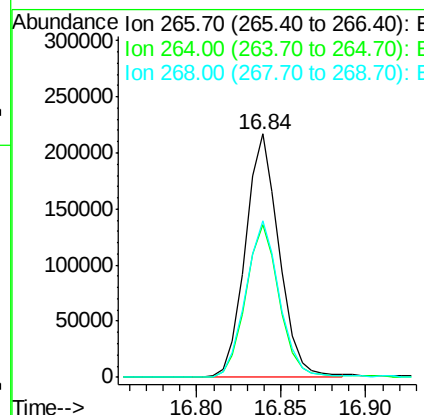
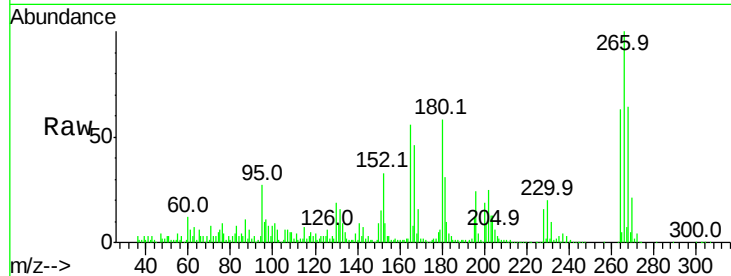
#68
 Pentachlorophenol
 Concen: 13.32 ng/ul
 RT: 16.84 min Scan# 2423
 Delta R.T. 0.01 min
 Lab File: BM007040.D
 Acq: 12 Aug 2016 12:58

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

Tot Ion:	266	Resp:	302102
Ion Ratio	Lower	Upper	
266	100		
264	62.9	50.6	75.8
268	64.2	51.0	76.6

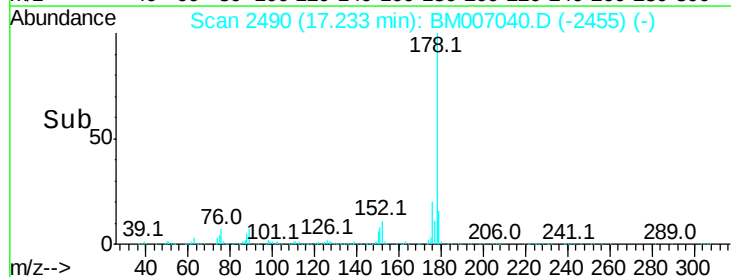
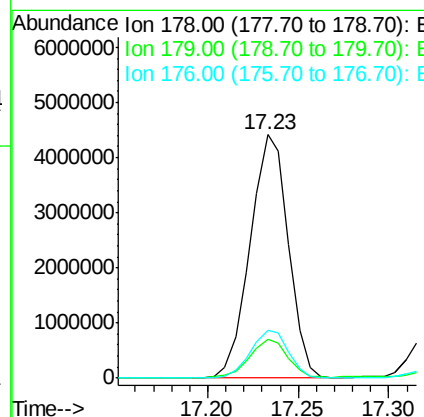
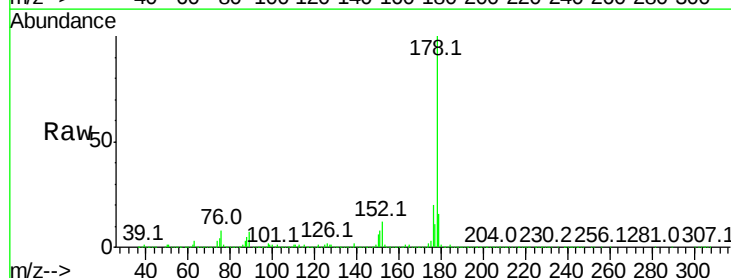
Manual Integrations
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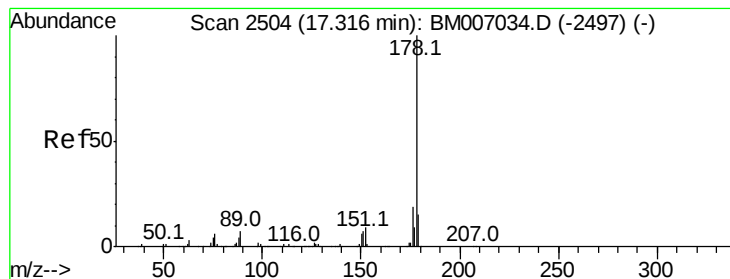
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#69
 Phenanthrene
 Concen: 41.66 ng/ul
 RT: 17.23 min Scan# 2490
 Delta R.T. 0.01 min
 Lab File: BM007040.D
 Acq: 12 Aug 2016 12:58

Tgt Ion:	178	Resp:	6447436
Ion Ratio	Lower	Upper	
178	100		
179	16.0	12.2	18.2
176	19.9	15.1	22.7





#71

Anthracene

Concen: 6.94 ng/ul

RT: 17.32 min Scan# 2505

Delta R.T. 0.00 min

Lab File: BM007040.D

Acq: 12 Aug 2016 12:58

Instrument :

BNA_M

ClientSampleId :

PR002-SS001-1218-01MSD

Tot Ion:178 Resp: 1101963

Ion Ratio Lower Upper

178 100

179 15.7 12.1 18.1

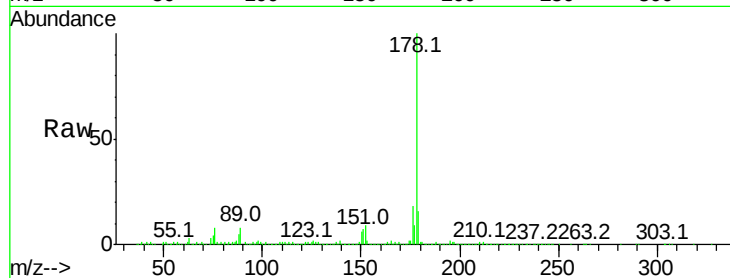
176 18.3 14.5 21.7

Manual Integrations

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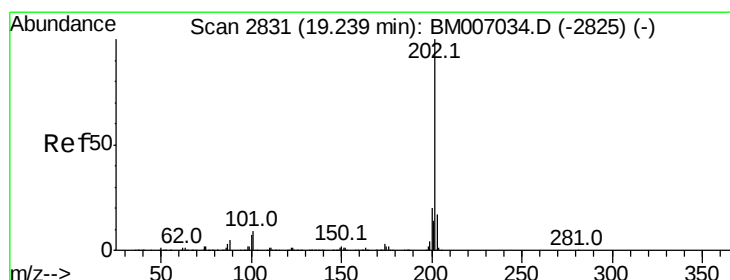
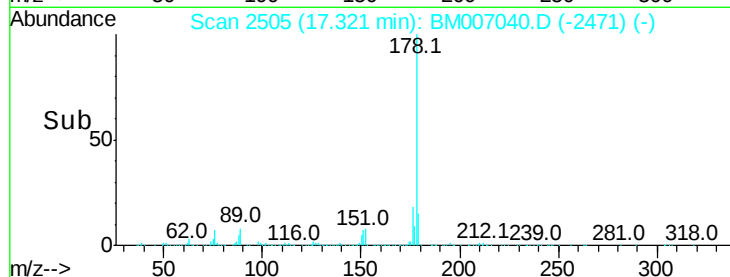
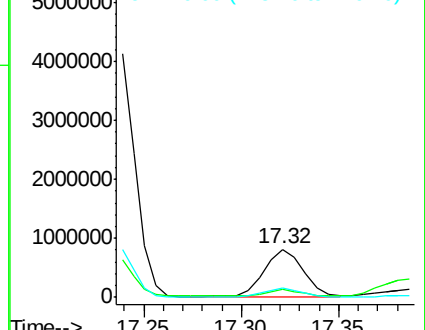
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74

Fluoranthene

Concen: 32.04 ng/ul

RT: 19.25 min Scan# 2833

Delta R.T. 0.01 min

Lab File: BM007040.D

Acq: 12 Aug 2016 12:58

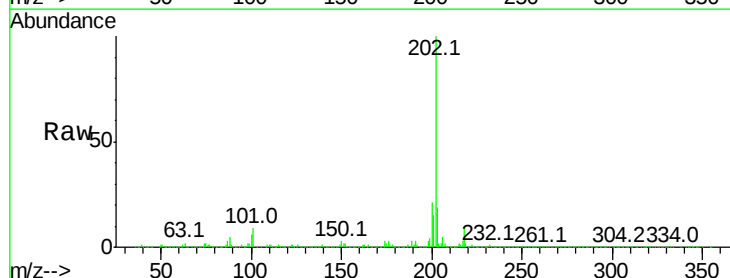
Tgt Ion:202 Resp: 6013936

Ion Ratio Lower Upper

202 100

101 9.0 6.9 10.3

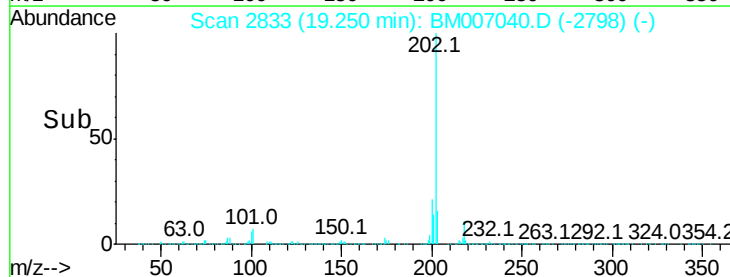
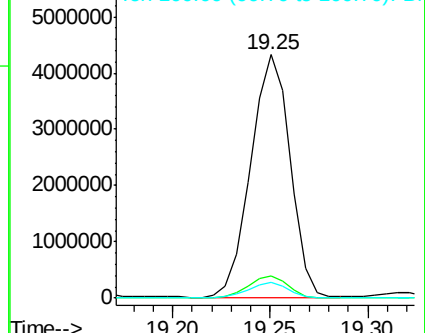
100 6.4 5.4 8.0

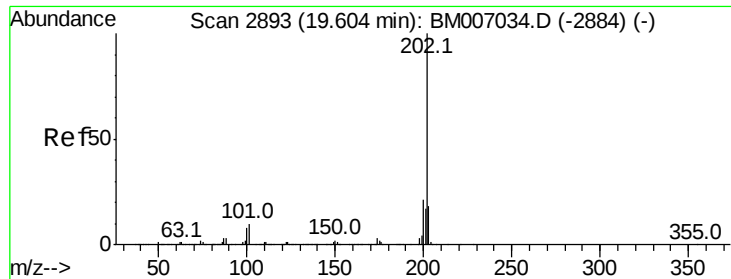


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





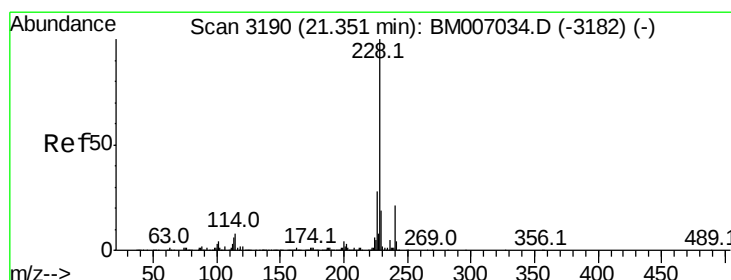
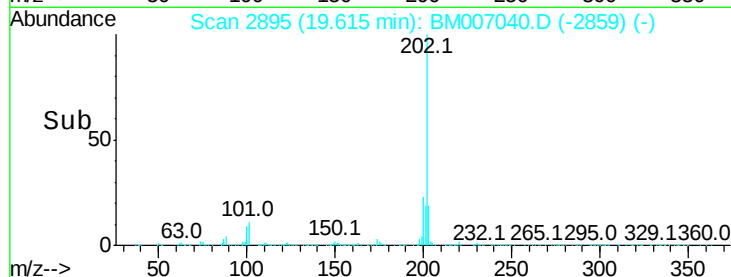
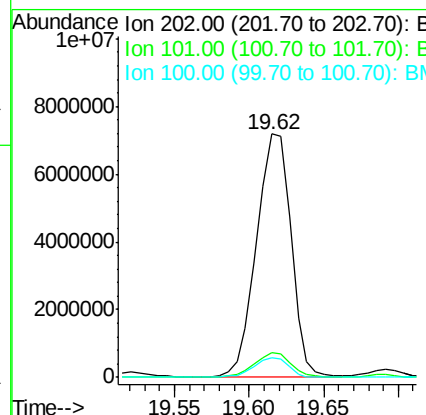
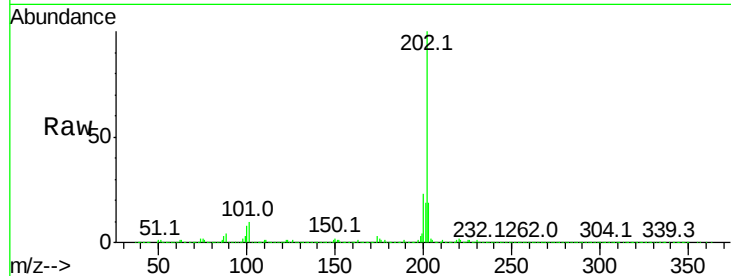
#77
 Pvrene
 Concen: 94.74 ng/ul
 RT: 19.62 min Scan# 2895
 Delta R.T. 0.01 min
 Lab File: BM007040.D
 Acq: 12 Aug 2016 12:58

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

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.4	12.6
100	8.3	6.9	10.3

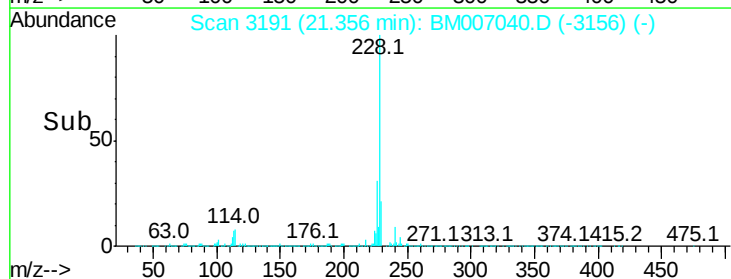
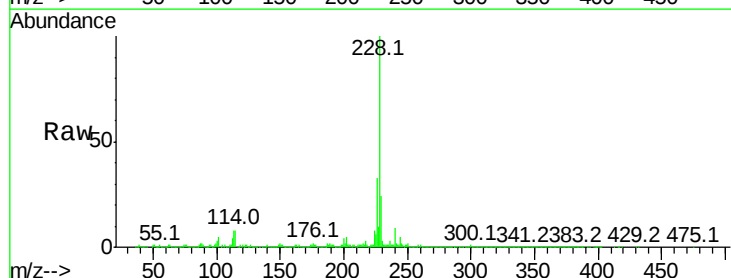
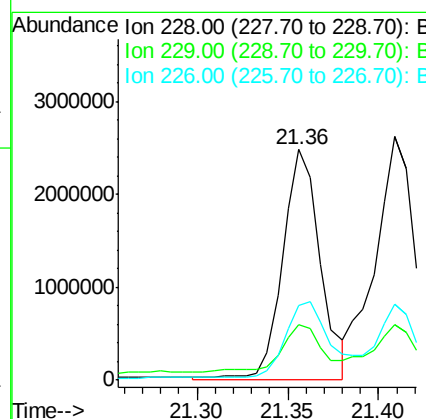
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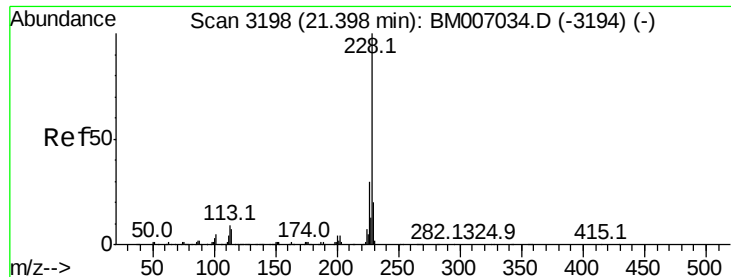
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#80
 Benzo(a)anthracene
 Concen: 27.92 ng/ul m
 RT: 21.36 min Scan# 3191
 Delta R.T. 0.01 min
 Lab File: BM007040.D
 Acq: 12 Aug 2016 12:58

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.3	15.6	23.4#
226	32.6	21.8	32.8





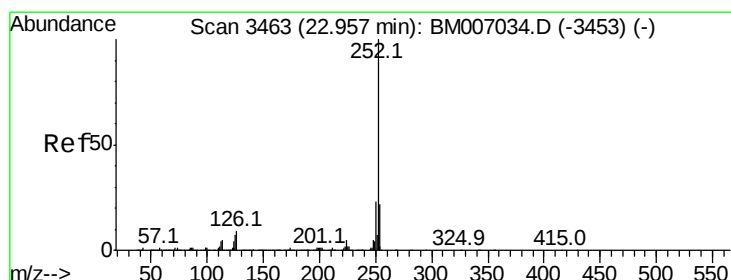
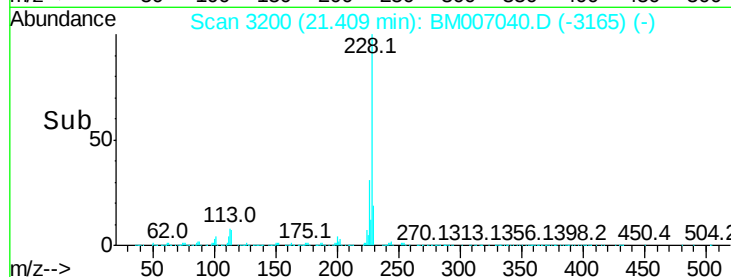
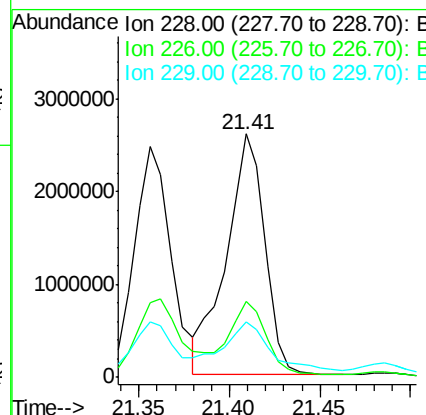
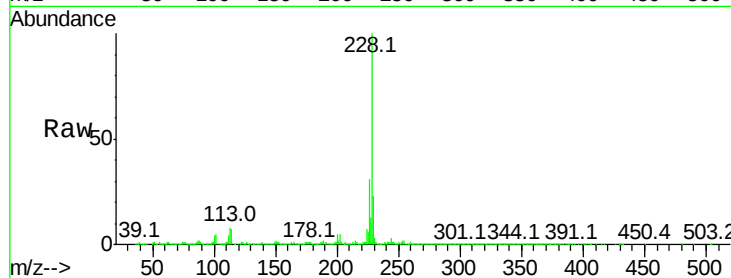
#82
Chrysene
Concen: 32.39 ng/ul
RT: 21.41 min Scan# 3200
Delta R.T. 0.01 min
Lab File: BM007040.D
Acq: 12 Aug 2016 12:58

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.4	35.2
229	22.9	15.5	23.3

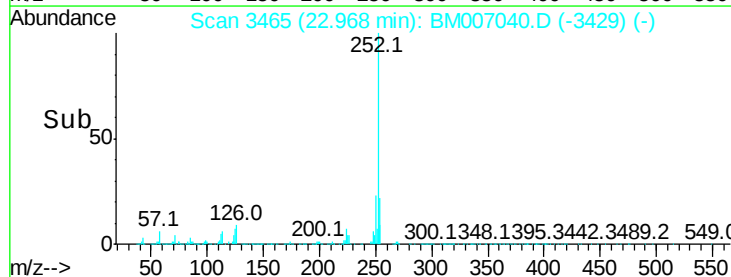
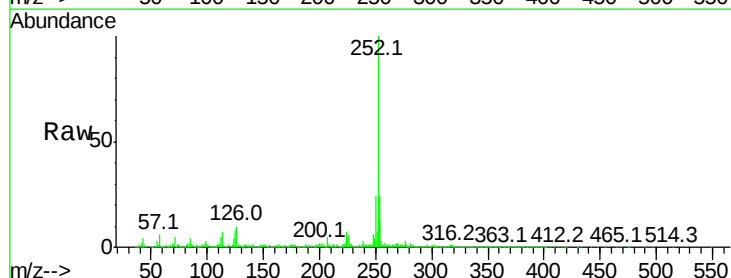
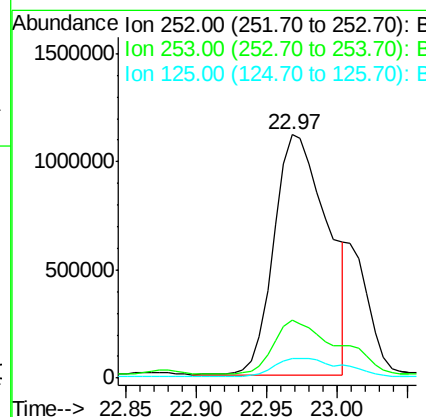
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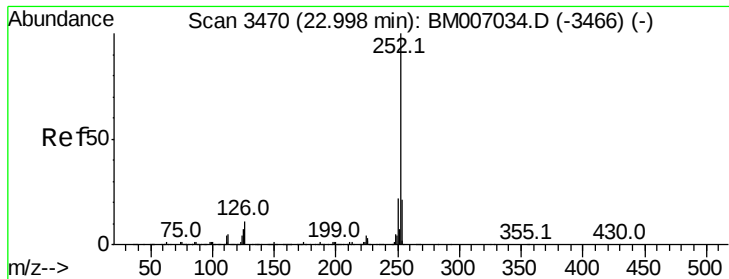
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#85
Benzo(b)fluoranthene
Concen: 21.52 ng/ul
RT: 22.97 min Scan# 3465
Delta R.T. 0.01 min
Lab File: BM007040.D
Acq: 12 Aug 2016 12:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	8.0	5.8	8.8





#86

Benzo(k)fluoranthene

Concen: 5.63 ng/ul m

RT: 23.00 min Scan# 3471

Delta R.T. 0.00 min

Lab File: BM007040.D

Acq: 12 Aug 2016 12:58

Instrument :

BNA_M

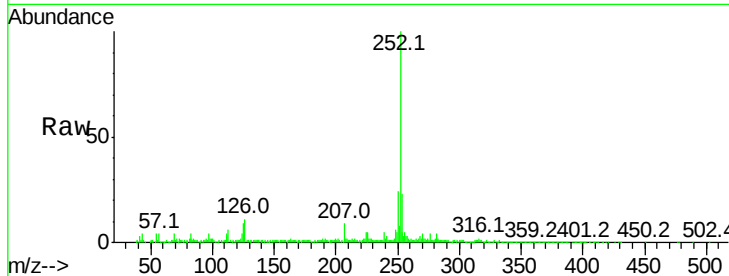
ClientSampleId :

PR002-SS001-1218-01MSD

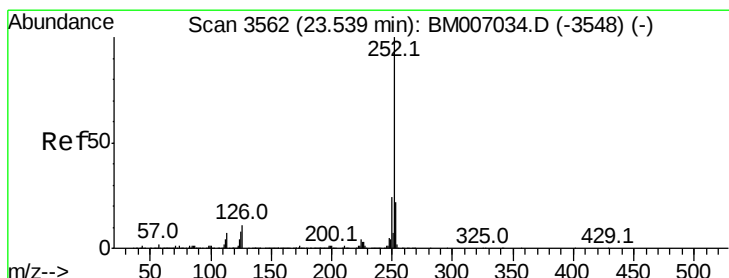
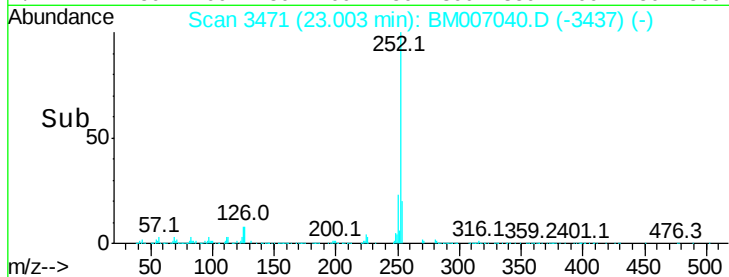
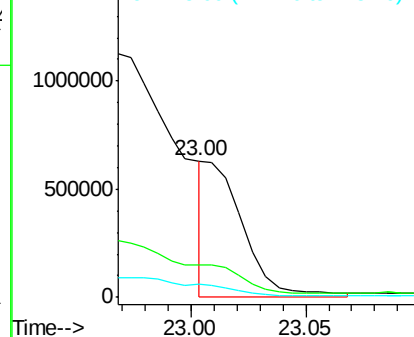
Tot Ion:	252	Resp:	720118
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.6	26.4
125	9.3	5.7	8.5#

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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: 20.35 ng/ul

RT: 23.56 min Scan# 3565

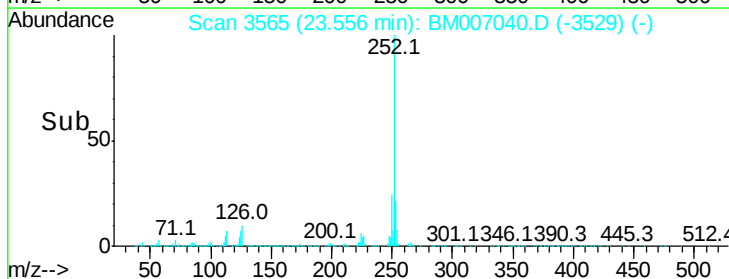
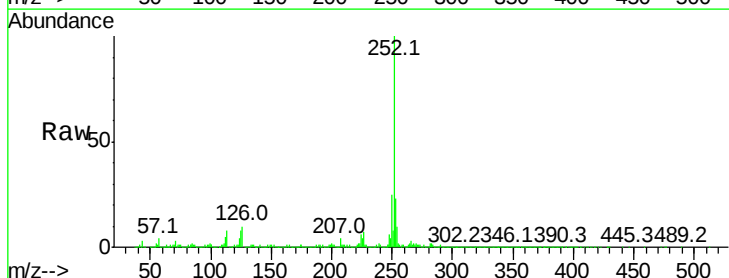
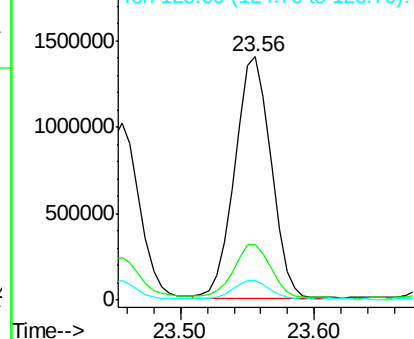
Delta R.T. 0.01 min

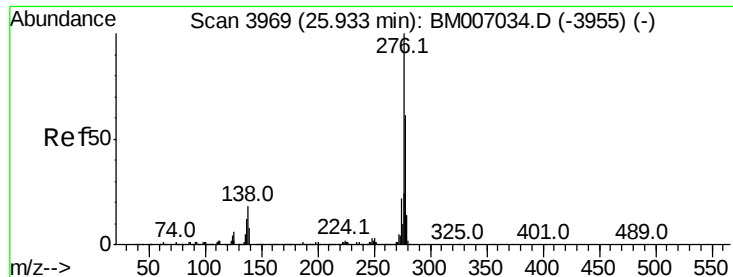
Lab File: BM007040.D

Acq: 12 Aug 2016 12:58

Tgt Ion:	252	Resp:	2628340
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.7	26.5
125	7.8	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





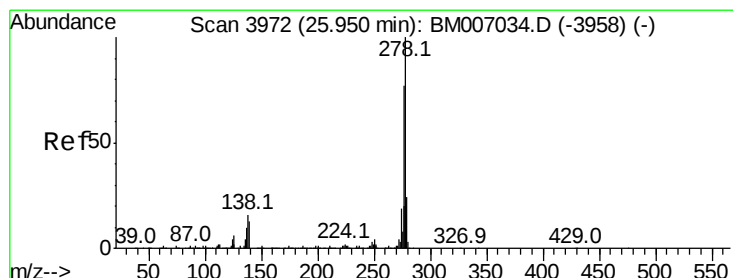
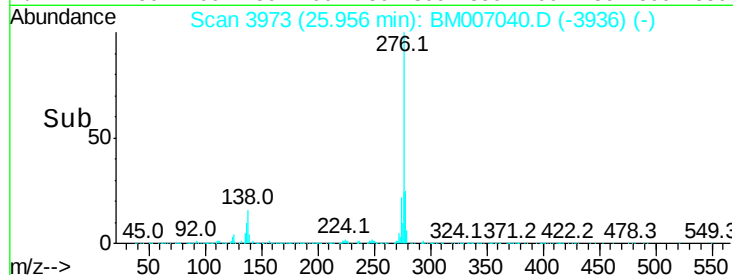
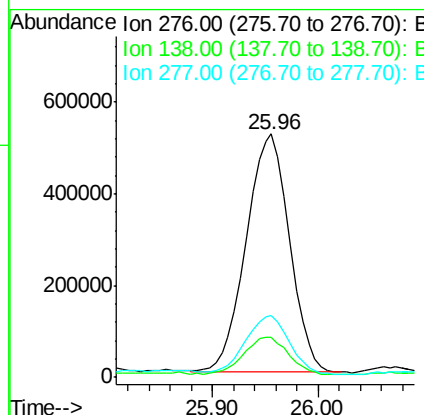
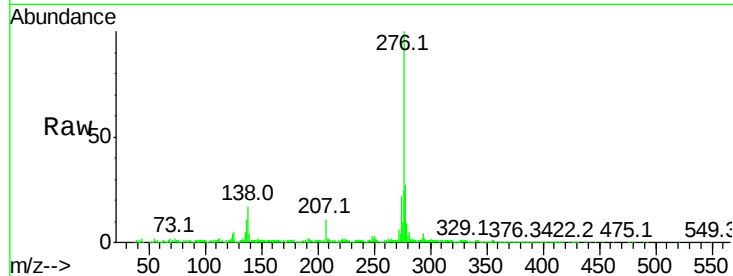
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 9.34 ng/ul
 RT: 25.96 min Scan# 3973
 Delta R.T. 0.02 min
 Lab File: BM007040.D
 Acq: 12 Aug 2016 12:58

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

Tot Ion:	276	Resp:	1478157
Ion	Ratio	Lower	Upper
276	100		
138	16.5	13.9	20.9
277	25.5	20.1	30.1

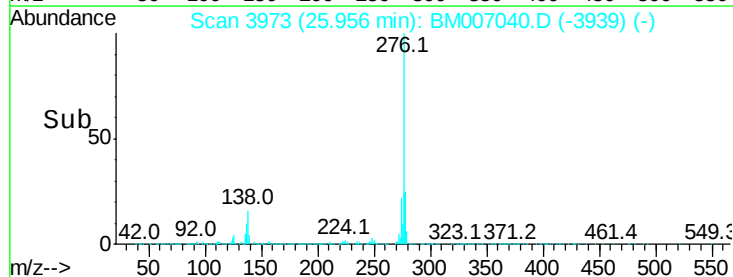
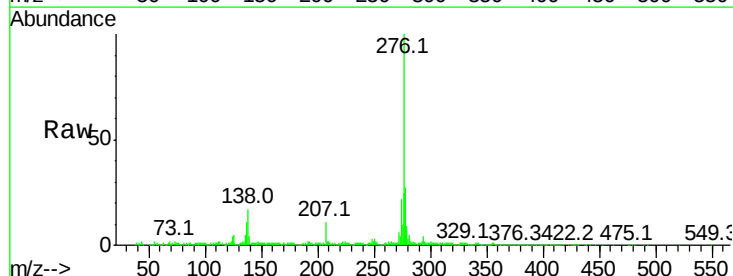
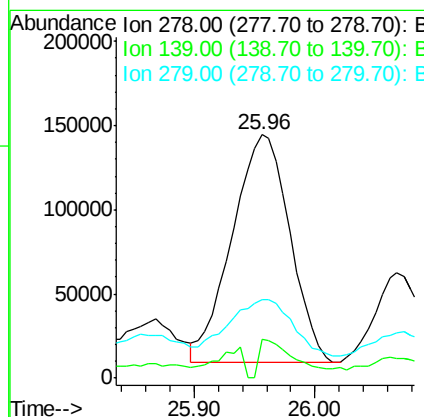
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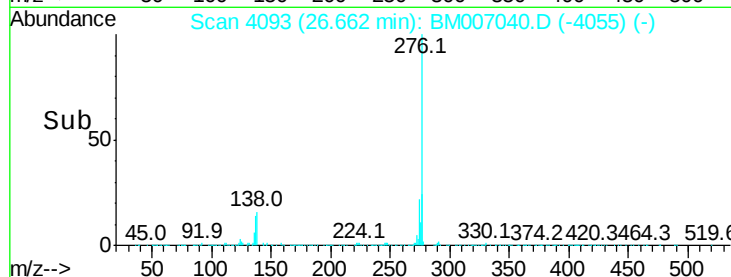
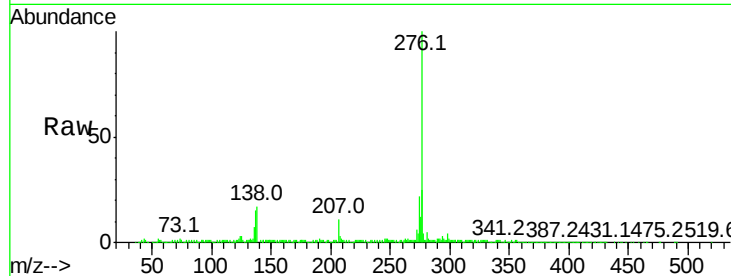
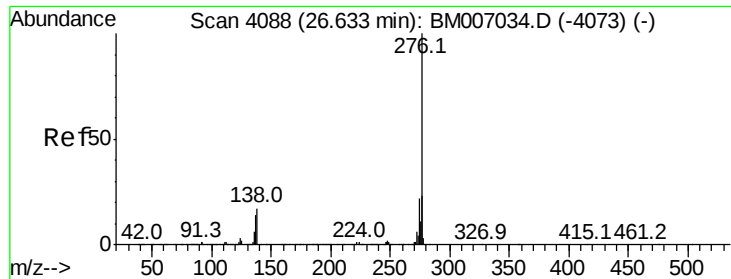
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#90
 Dibenzo(a,h)anthracene
 Concen: 3.38 ng/ul
 RT: 25.96 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: BM007040.D
 Acq: 12 Aug 2016 12:58

Tgt Ion:	278	Resp:	449272
Ion	Ratio	Lower	Upper
278	100		
139	16.1	9.5	14.3#
279	32.0	19.1	28.7#





#91

Benzo(a,h,i)perylene

Concen: 12.04 ng/ul

RT: 26.66 min Scan# 4093

Delta R.T. 0.02 min

Lab File: BM007040.D

Acq: 12 Aug 2016 12:58

Tot Ion:	276	Resp:	1611350
Ion Ratio	Lower	Upper	
276	100		
138	16.5	13.5	20.3
277	24.7	19.3	28.9

Instrument :

BNA_M

ClientSampleId :

PR002-SS001-1218-01MSD

Manual Integrations
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