

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
 Data File : BM007108.D
 Acq On : 14 Aug 2016 15:17
 Operator : UM/SJ
 Sample : H4387-23MSD
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Aug 15 15:26:40 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	273039	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1085598	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	614080	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1363753	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	1590232	20.00	ng/ul	0.00
83) Perylene-d12	23.66	264	1778173	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	22145	3.54	ng/uL	0.00
5) Phenol-d5	6.97	99	434589	19.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	259968	20.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	365959	20.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	315456	17.33	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	176610	22.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	195204	23.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	367413	20.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	261182	12.44	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	1102583	21.73	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1398993	22.95	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	145470	16.00	ng/ul	0.00
57) Fluorene-d10	15.43	176	970847	21.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	100307	13.31	ng/ul	0.00
70) Anthracene-d10	17.29	188	1497521	23.70	ng/ul	0.00
76) Pyrene-d10	19.58	212	1700126	25.33	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	1885555	23.18	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.00	94	501322	21.52	ng/ul	98
10) 2-Chlorophenol	7.38	128	375646	20.85	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.61	70	295163	20.24	ng/ul	95
28) Naphthalene	10.65	128	76080	1.41	ng/ul	98
33) 4-Chloro-3-methylphenol	11.87	107	400190	20.84	ng/ul	98
34) 2-Methylnaphthalene	12.26	142	90067	2.17	ng/ul	99
44) Dimethylphthalate	13.90	163	816245	16.10	ng/ul	99
47) Acenaphthylene	14.16	152	1136189	18.11	ng/ul	100
49) Acenaphthene	14.50	153	998117	24.50	ng/ul	100
52) 4-Nitrophenol	14.65	109	155346	16.81	ng/ul	93
54) 2,4-Dinitrotoluene	14.81	165	332688	22.88	ng/ul#	97
58) Fluorene	15.49	166	334357	6.86	ng/ul#	97
68) Pentachlorophenol	16.84	266	221632	20.62	ng/ul	98
69) Phenanthrene	17.23	178	4403196	60.04	ng/ul	99
71) Anthracene	17.32	178	1025330	13.62	ng/ul	100
74) Fluoranthene	19.25	202	4796062	53.91	ng/ul	99
77) Pyrene	19.62	202	9741913	110.81	ng/ul	98
80) Benzo(a)anthracene	21.36	228	3538806m	37.67	ng/ul	
82) Chrysene	21.41	228	3832345	44.63	ng/ul	94
85) Benzo(b)fluoranthene	22.97	252	3108252	29.02	ng/ul	97
86) Benzo(k)fluoranthene	23.01	252	746487m	7.42	ng/ul	
88) Benzo(a)pyrene	23.56	252	2860583	28.17	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.96	276	1630271	13.10	ng/ul	98

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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	497630	4.76	ng/ul#	86
91) Benzo(g,h,i)perylene	26.67	276	1763211	16.76	ng/ul	98

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

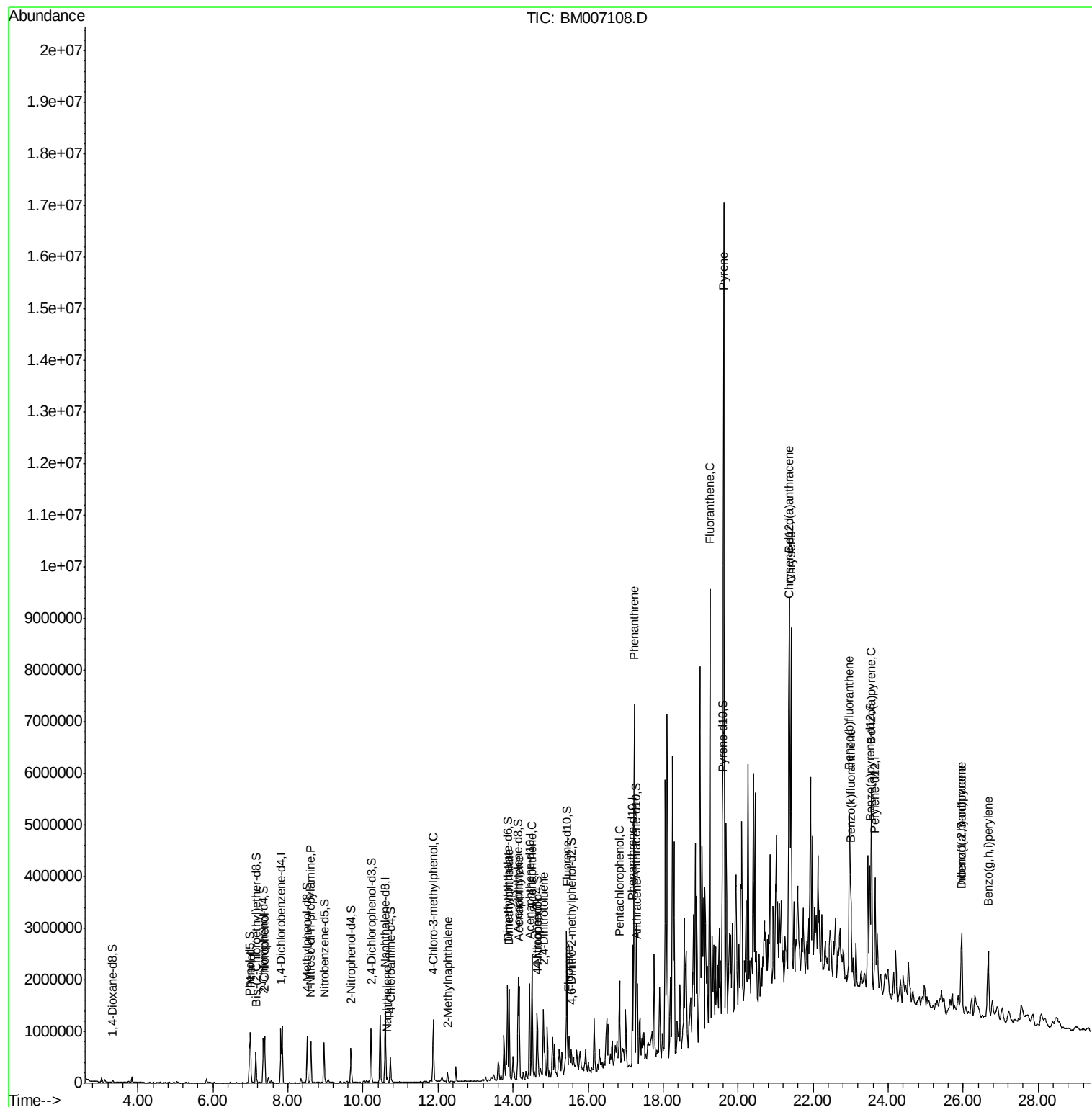
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Data File : BM007108.D
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ALS Vial : 72 Sample Multiplier: 1

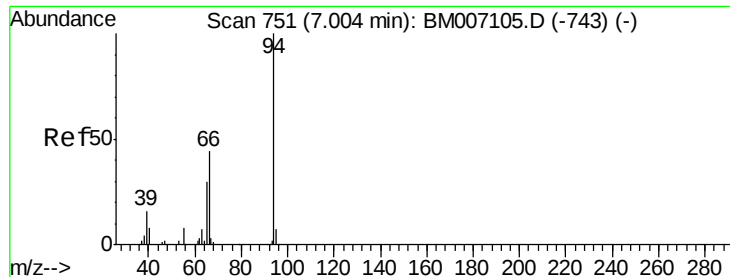
Instrument :
BNA_M
ClientSampleId :
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#6

Phenol

Concen: 21.52 ng/ul

RT: 7.00 min Scan# 751

Delta R.T. 0.00 min

Lab File: BM007108.D

Acq: 14 Aug 2016 15:17

Instrument :

BNA_M

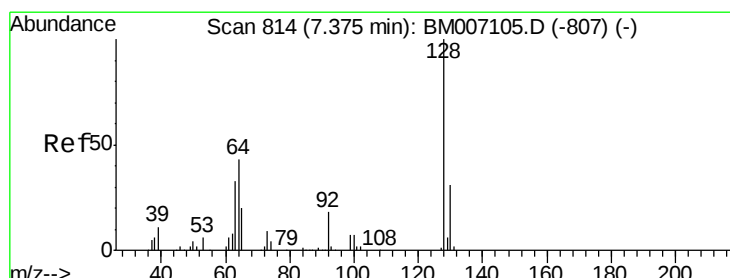
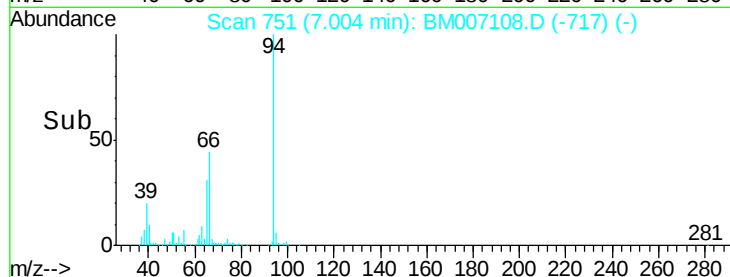
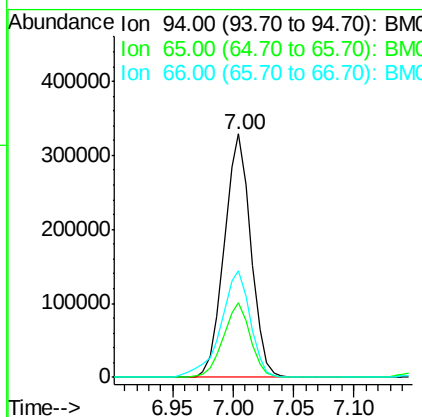
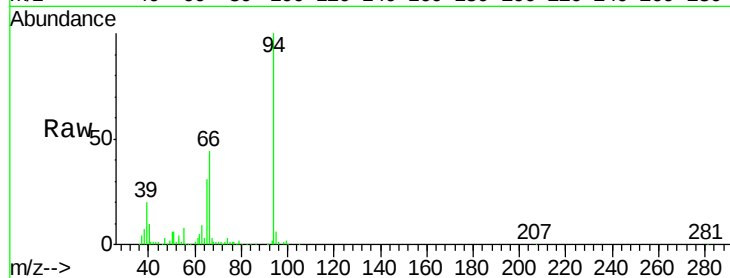
ClientSampleId :

PR002-SS001-1218-01MSD

Tgt Ion:	94	Resp:	501322
Ion Ratio		Lower	Upper
94	100		
65	30.7	23.9	35.9
66	43.6	33.5	50.3

Manual Integrations
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#10

2-Chlorophenol

Concen: 20.85 ng/ul

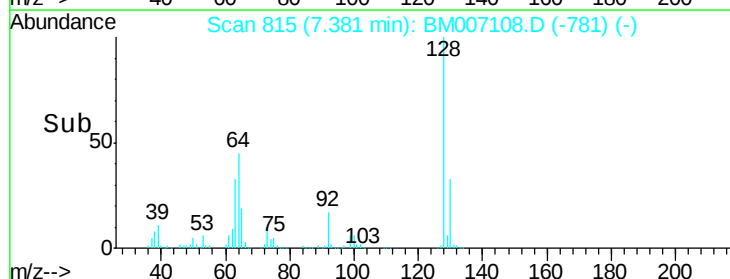
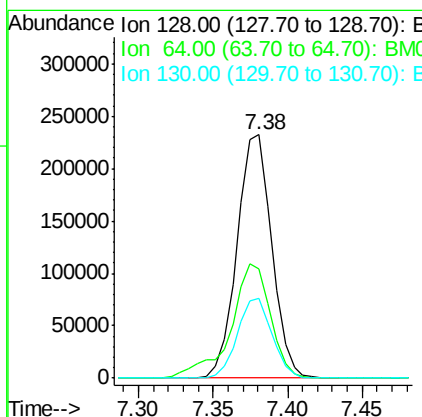
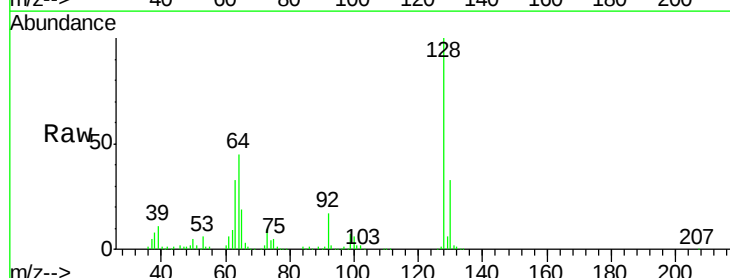
RT: 7.38 min Scan# 815

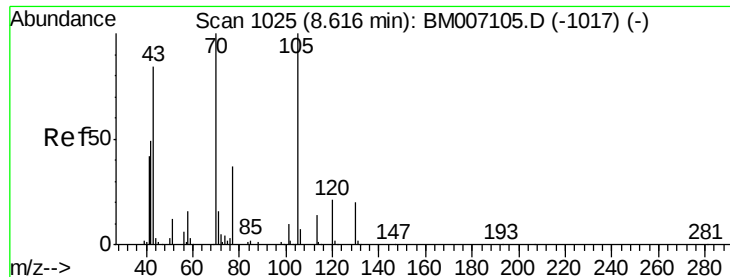
Delta R.T. 0.00 min

Lab File: BM007108.D

Acq: 14 Aug 2016 15:17

Tgt Ion:	128	Resp:	375646
Ion Ratio		Lower	Upper
128	100		
64	44.9	37.5	56.3
130	32.7	25.0	37.4





#15

N-Nitroso-di-n-propylamine

Concen: 20.24 ng/ul

RT: 8.61 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BM007108.D

Acq: 14 Aug 2016 15:17

Instrument :

BNA_M

ClientSampleId :

PR002-SS001-1218-01MSD

Tgt Ion: 70 Resp: 295163

Ion Ratio Lower Upper

70 100

42 48.8 43.4 65.2

101 10.1 7.8 11.6

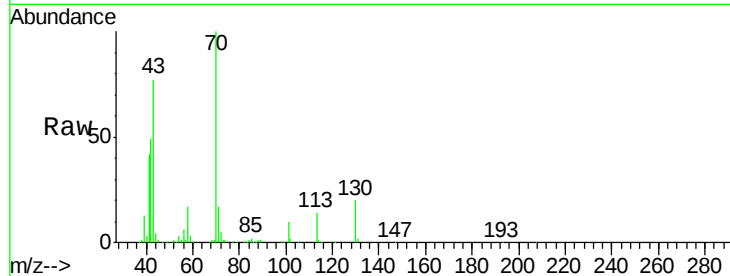
130 19.8 16.2 24.4

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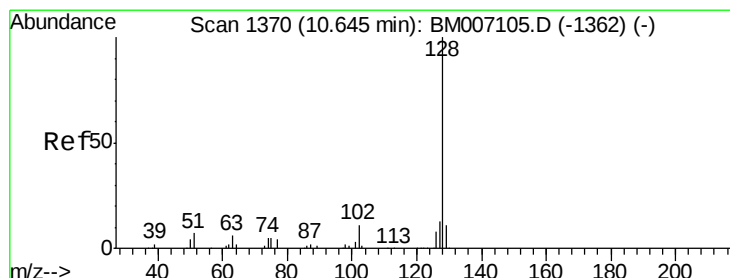
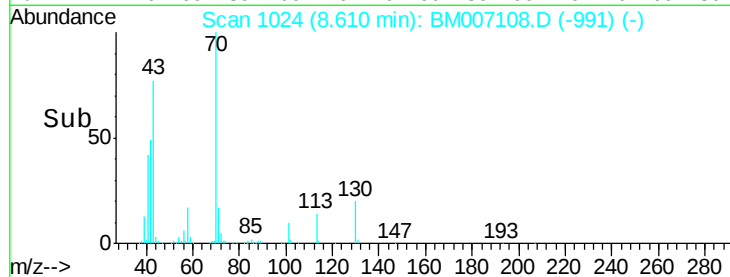
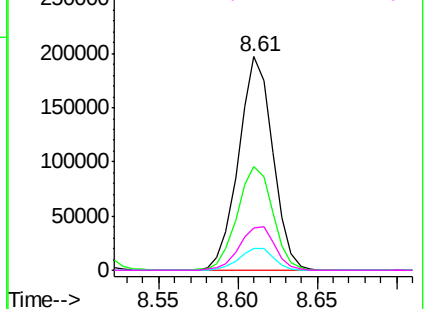
Abundance

Ion 70.00 (69.70 to 70.70): BM007105.D (-1017) (-)

Ion 42.00 (41.70 to 42.70): BM007105.D (-1017) (-)

Ion 101.00 (100.70 to 101.70): BM007105.D (-1017) (-)

Ion 130.00 (129.70 to 130.70): BM007105.D (-1017) (-)



#28

Naphthalene

Concen: 1.41 ng/ul

RT: 10.65 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BM007108.D

Acq: 14 Aug 2016 15:17

Tgt Ion: 128 Resp: 76080

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

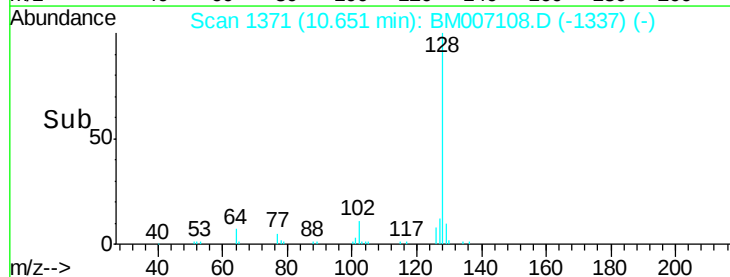
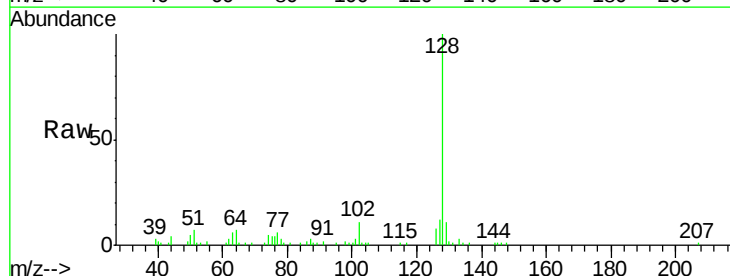
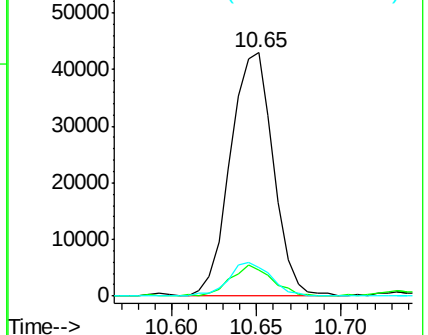
127 12.0 10.6 15.8

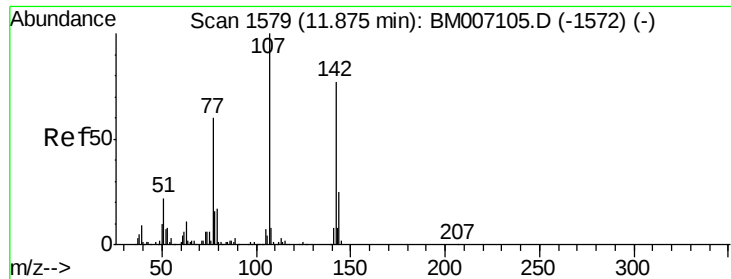
Abundance

Ion 128.00 (127.70 to 128.70): BM007105.D (-1362) (-)

Ion 129.00 (128.70 to 129.70): BM007105.D (-1362) (-)

Ion 127.00 (126.70 to 127.70): BM007105.D (-1362) (-)





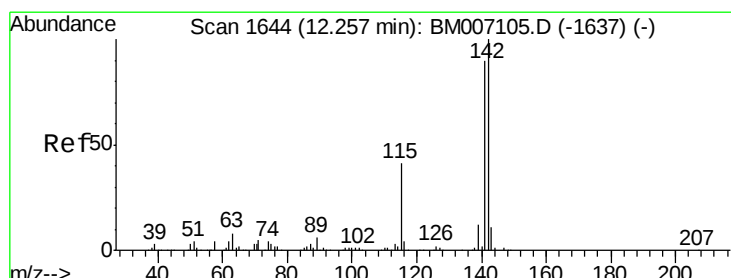
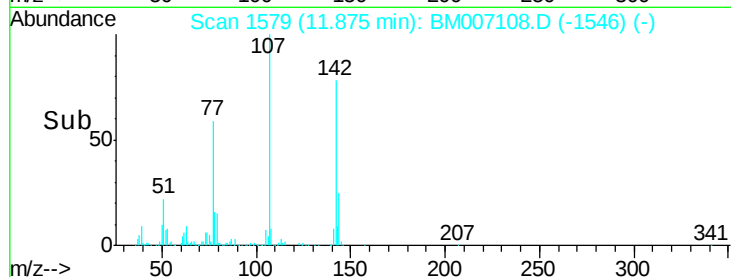
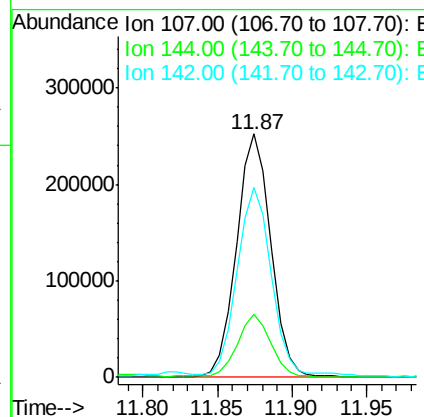
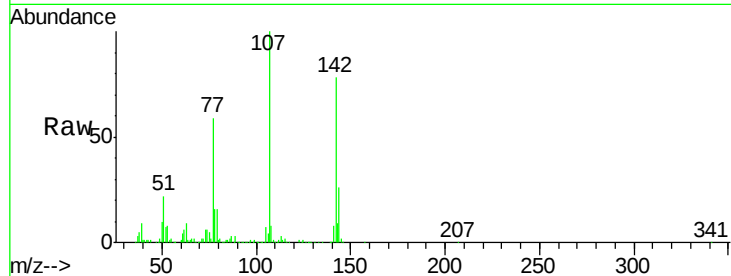
#33
 4-Chloro-3-methylphenol
 Concen: 20.84 ng/ul
 RT: 11.87 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BM007108.D
 Acq: 14 Aug 2016 15:17

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
107	100	400190		
144	25.8	21.1	31.7	
142	77.9	64.1	96.1	

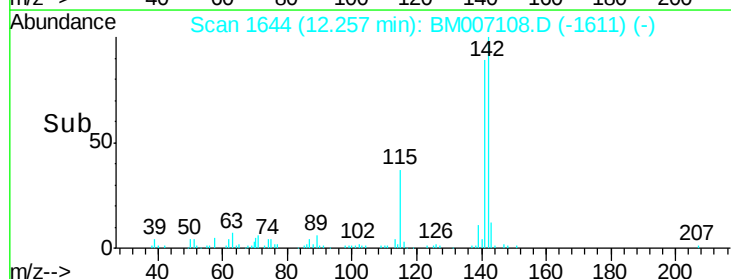
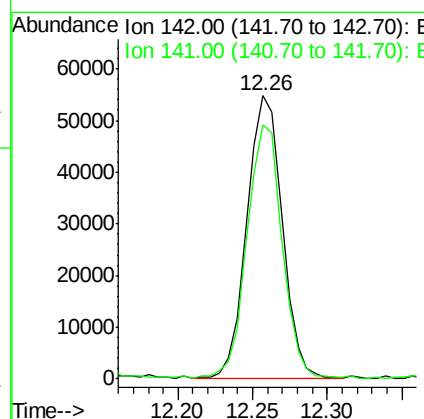
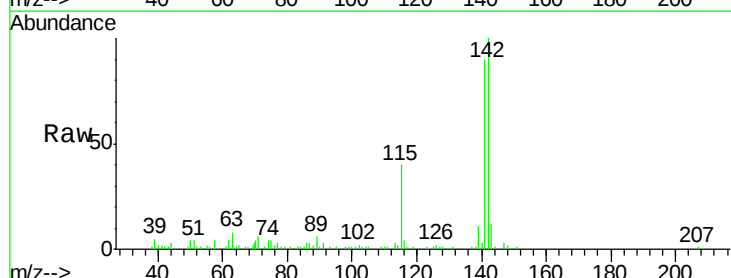
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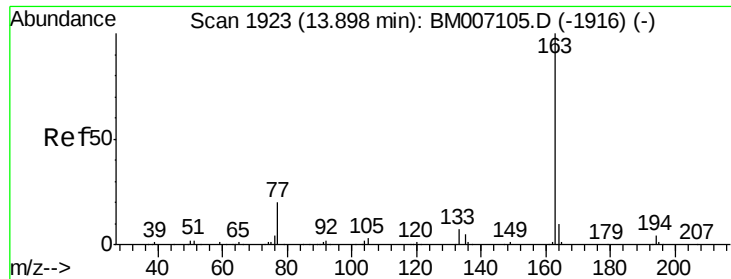
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#34
 2-Methylnaphthalene
 Concen: 2.17 ng/ul
 RT: 12.26 min Scan# 1644
 Delta R.T. -0.01 min
 Lab File: BM007108.D
 Acq: 14 Aug 2016 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	90067		
141	89.6	71.3	106.9	





#44

Dimethylphthalate

Concen: 16.10 ng/ul

RT: 13.90 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BM007108.D

Acq: 14 Aug 2016 15:17

Instrument :

BNA_M

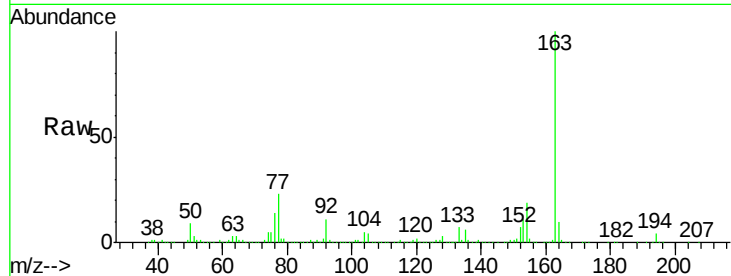
ClientSampleId :

PR002-SS001-1218-01MSD

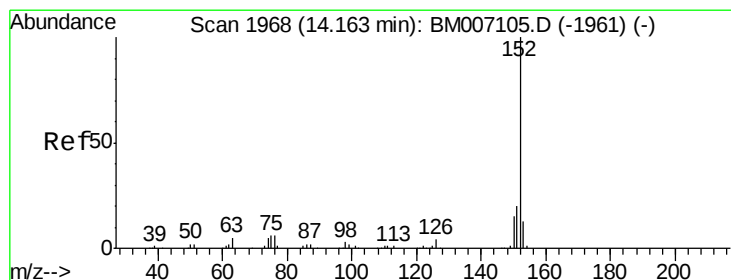
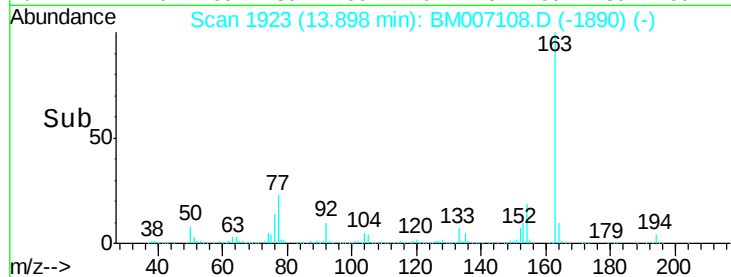
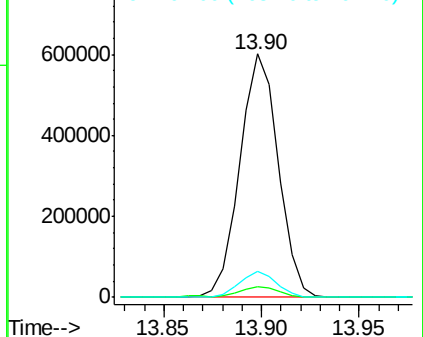
Tgt Ion:	163	Resp:	816245
Ion Ratio		Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.4	7.8	11.8

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 18.11 ng/ul

RT: 14.16 min Scan# 1968

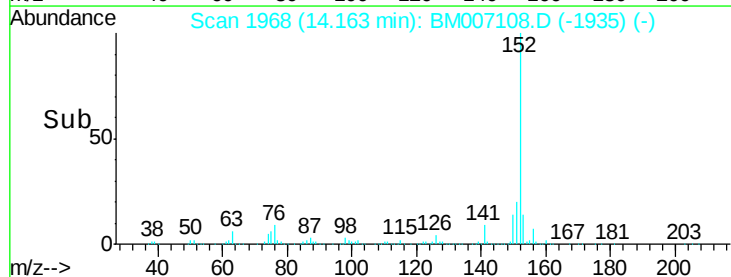
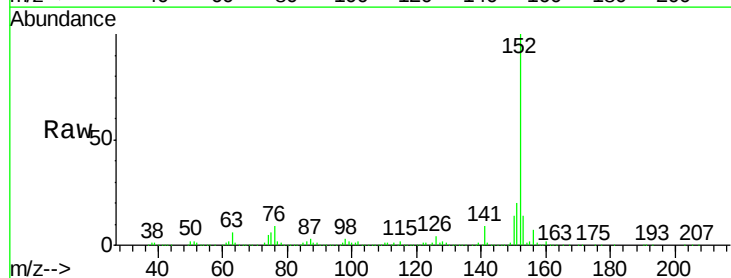
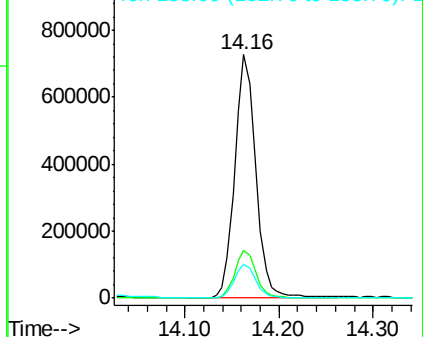
Delta R.T. -0.01 min

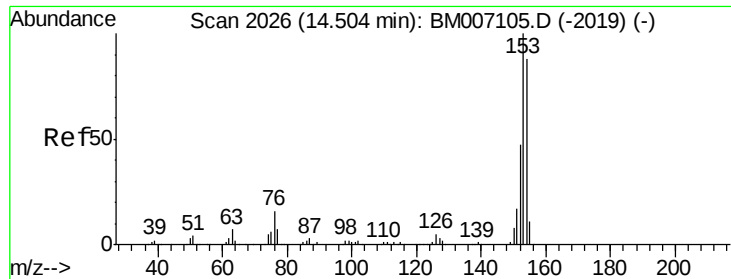
Lab File: BM007108.D

Acq: 14 Aug 2016 15:17

Tgt Ion:	152	Resp:	1136189
Ion Ratio		Lower	Upper
152	100		
151	19.9	16.0	24.0
153	13.6	11.0	16.6

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 24.50 ng/ul

RT: 14.50 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BM007108.D

Acq: 14 Aug 2016 15:17

Instrument :

BNA_M

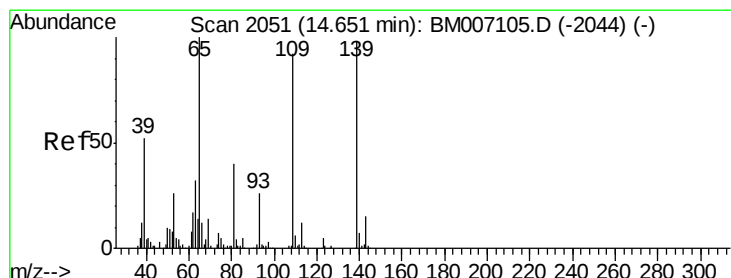
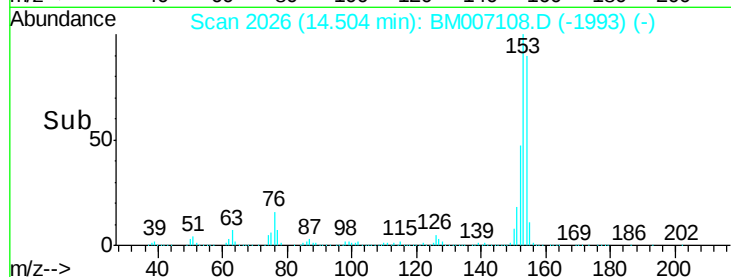
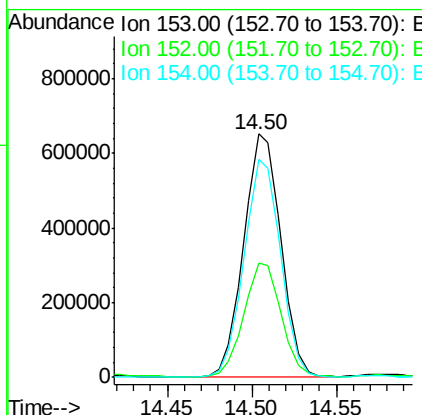
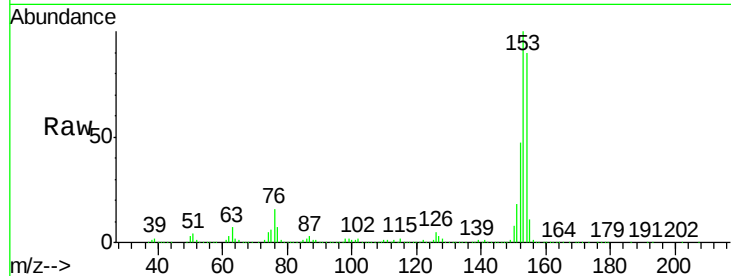
ClientSampleId :

PR002-SS001-1218-01MSD

Tgt Ion:	153	Resp:	998117
Ion Ratio		Lower	Upper
153	100		
152	46.9	37.8	56.6
154	89.7	71.4	107.0

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#52

4-Nitrophenol

Concen: 16.81 ng/ul

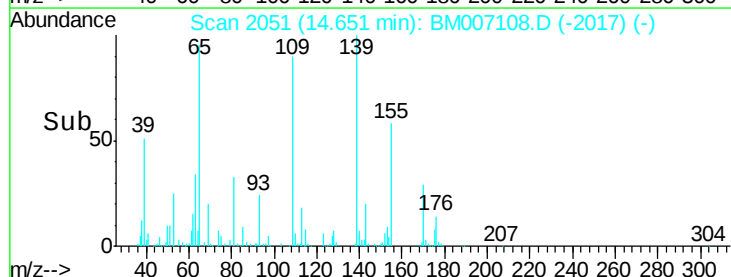
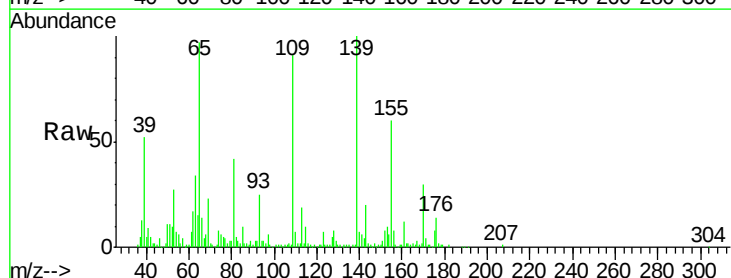
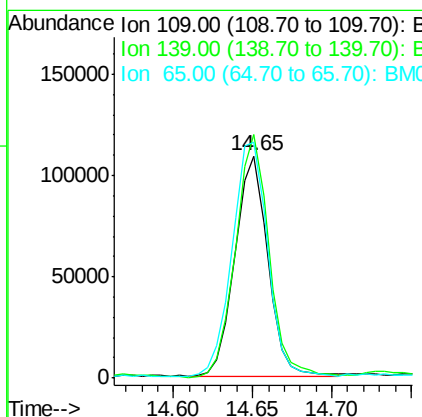
RT: 14.65 min Scan# 2051

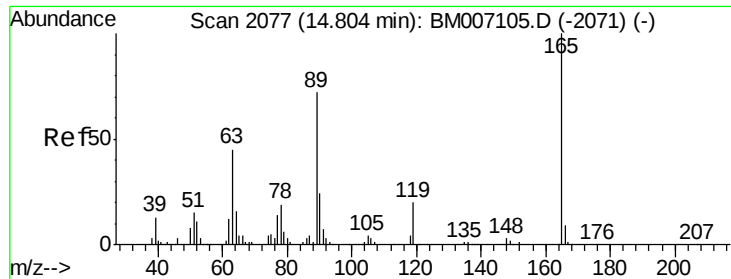
Delta R.T. 0.00 min

Lab File: BM007108.D

Acq: 14 Aug 2016 15:17

Tgt Ion:	109	Resp:	155346
Ion Ratio		Lower	Upper
109	100		
139	109.5	88.7	133.1
65	105.9	96.4	144.6





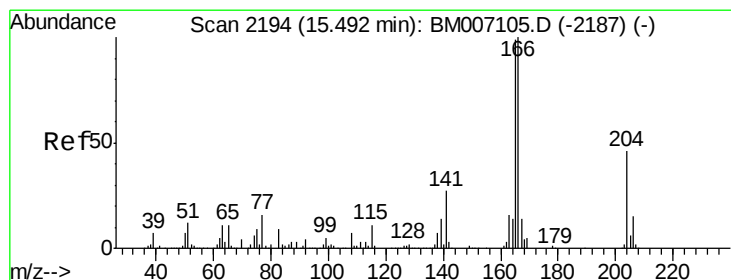
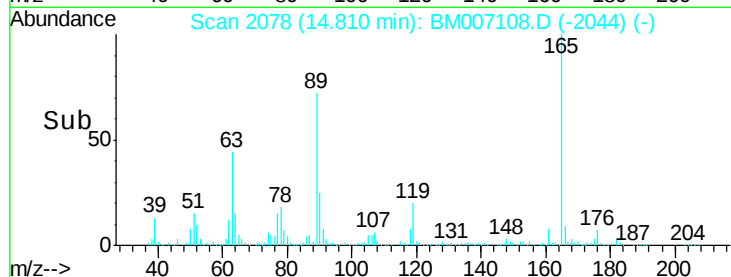
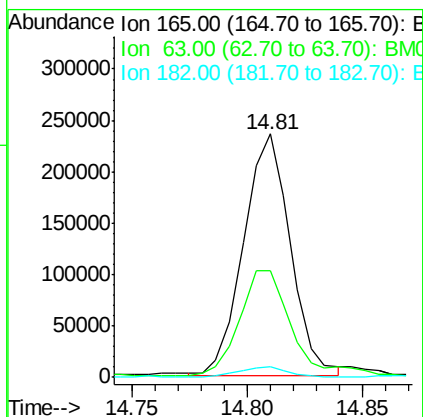
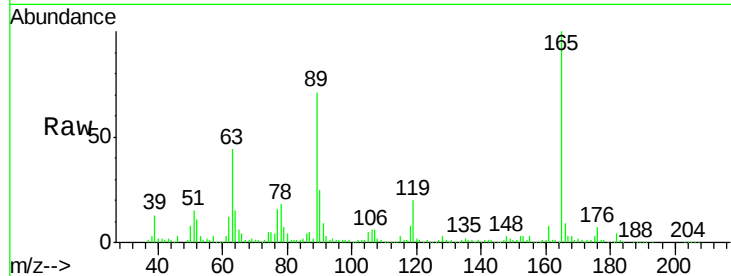
#54
2,4-Dinitrotoluene
Concen: 22.88 ng/ul
RT: 14.81 min Scan# 2078
Delta R.T. 0.00 min
Lab File: BM007108.D
Acq: 14 Aug 2016 15:17

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	43.6	36.2	54.2
182	4.1	2.2	3.4

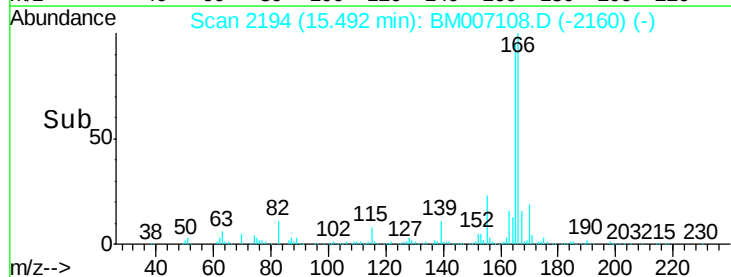
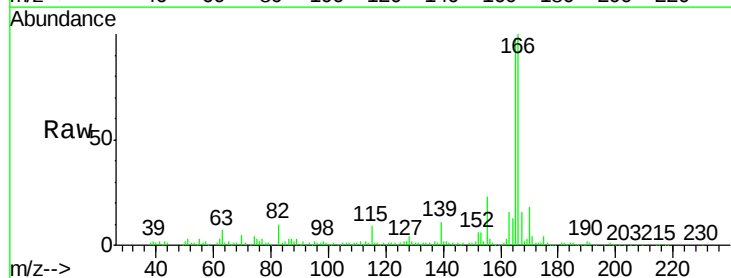
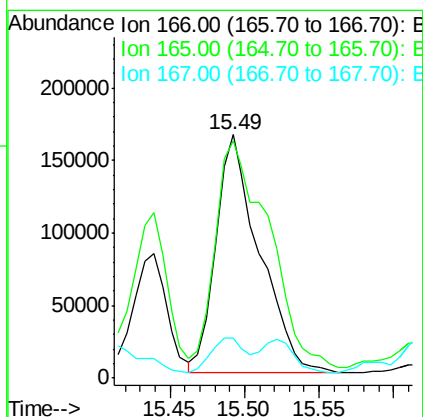
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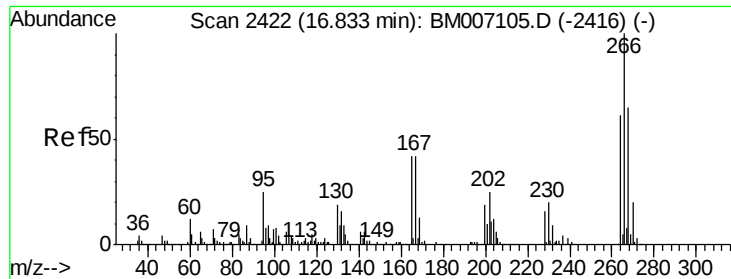
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#58
Fluorene
Concen: 6.86 ng/ul
RT: 15.49 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BM007108.D
Acq: 14 Aug 2016 15:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	97.7	79.9	119.9
167	16.4	10.5	15.7





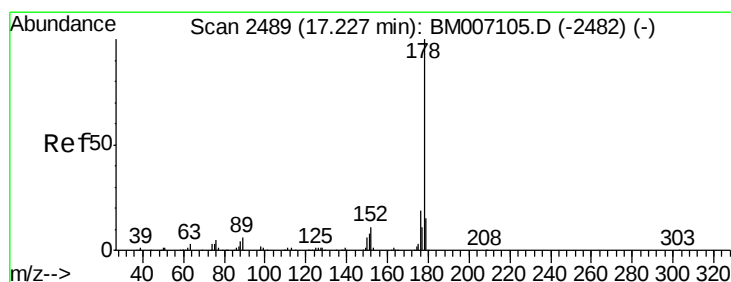
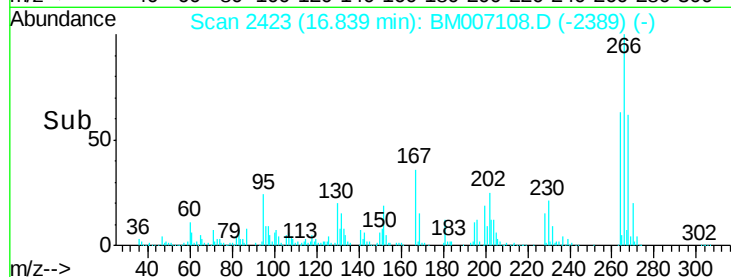
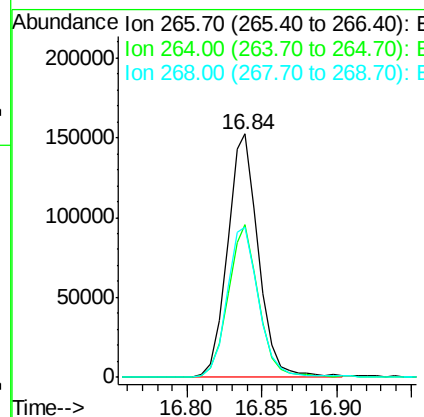
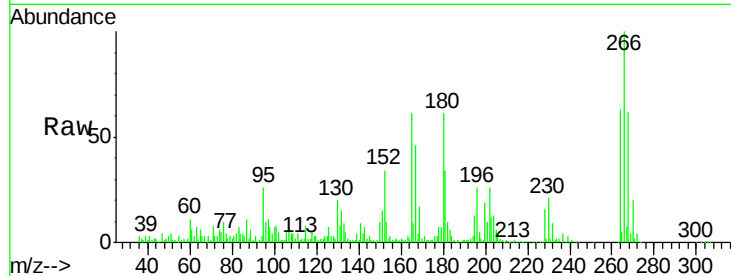
#68
 Pentachlorophenol
 Concen: 20.62 ng/ul
 RT: 16.84 min Scan# 2423
 Delta R.T. 0.00 min
 Lab File: BM007108.D
 Acq: 14 Aug 2016 15:17

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

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	221632		
264	62.6	50.6	75.8	
268	61.9	51.0	76.6	

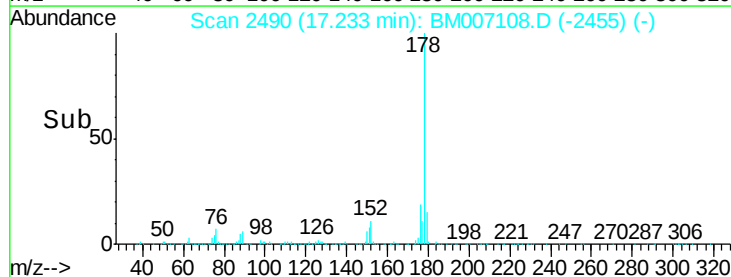
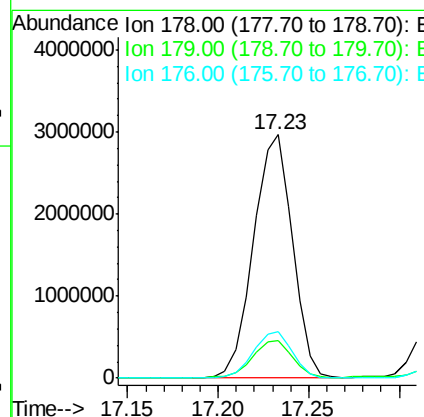
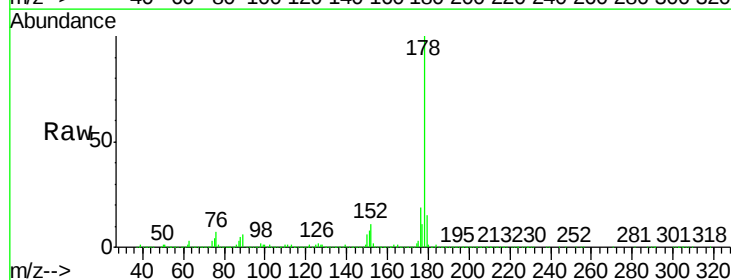
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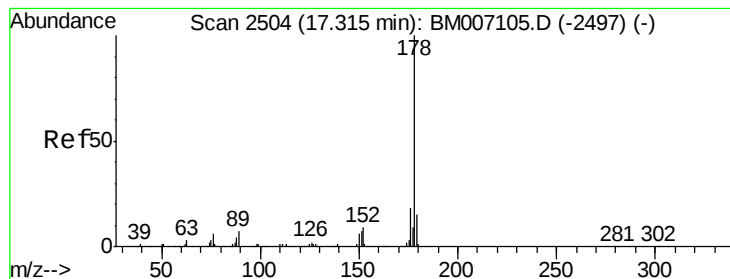
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#69
 Phenanthrene
 Concen: 60.04 ng/ul
 RT: 17.23 min Scan# 2490
 Delta R.T. 0.01 min
 Lab File: BM007108.D
 Acq: 14 Aug 2016 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	4403196		
179	15.4	12.2	18.2	
176	19.2	15.1	22.7	





#71

Anthracene

Concen: 13.62 ng/ul

RT: 17.32 min Scan# 2505

Delta R.T. 0.00 min

Lab File: BM007108.D

Acq: 14 Aug 2016 15:17

Instrument :

BNA_M

ClientSampleId :

PR002-SS001-1218-01MSD

Tgt Ion:178 Resp: 1025330

Ion Ratio Lower Upper

178 100

179 15.1 12.1 18.1

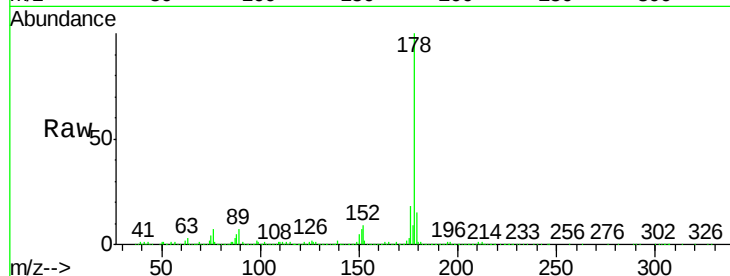
176 18.1 14.5 21.7

Manual Integrations

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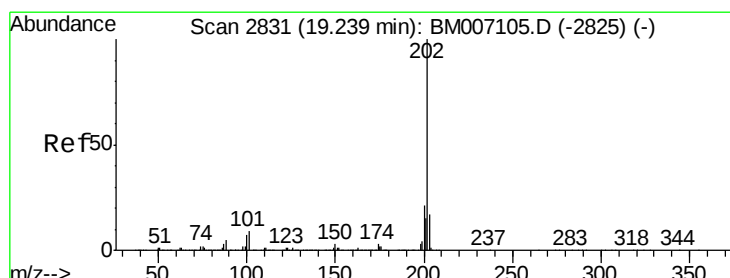
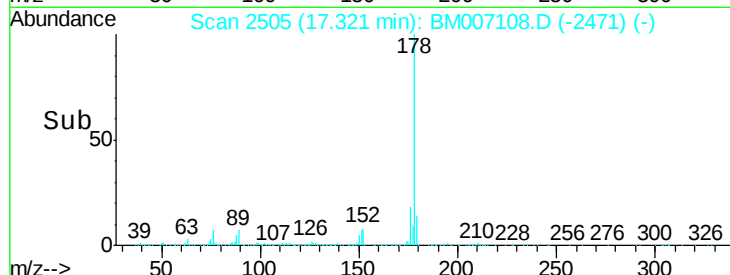
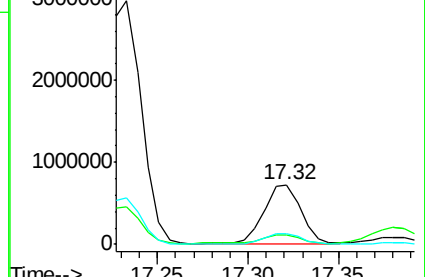
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74

Fluoranthene

Concen: 53.91 ng/ul

RT: 19.25 min Scan# 2833

Delta R.T. 0.01 min

Lab File: BM007108.D

Acq: 14 Aug 2016 15:17

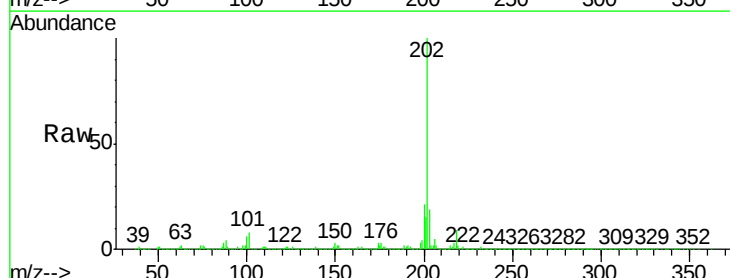
Tgt Ion:202 Resp: 4796062

Ion Ratio Lower Upper

202 100

101 8.4 6.9 10.3

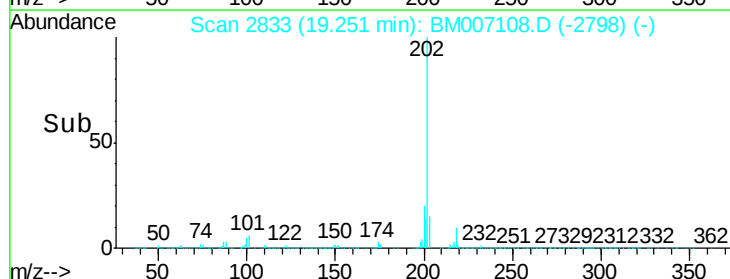
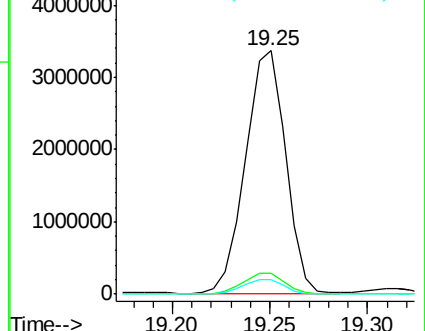
100 5.9 5.4 8.0

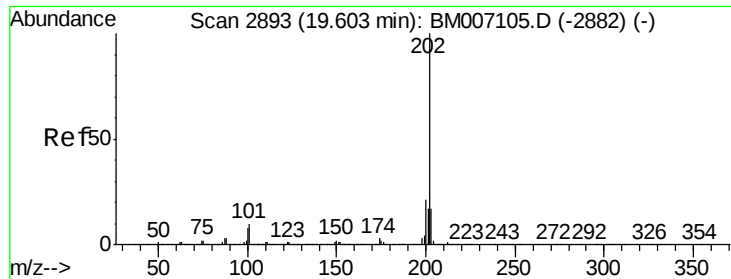


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





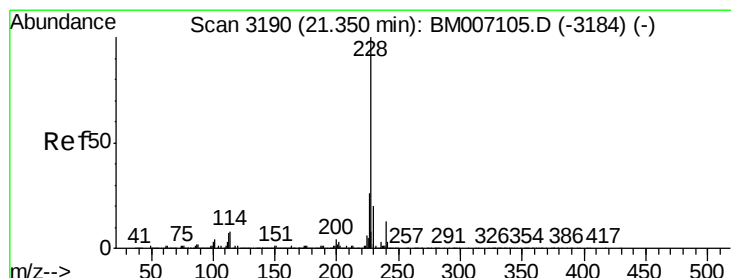
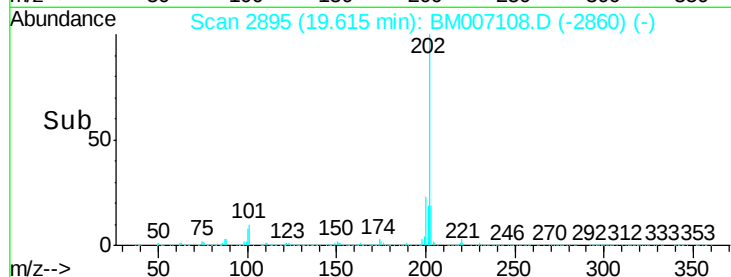
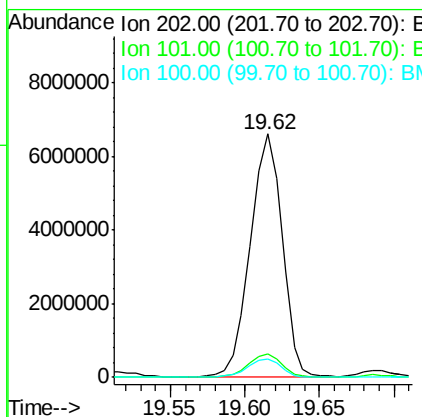
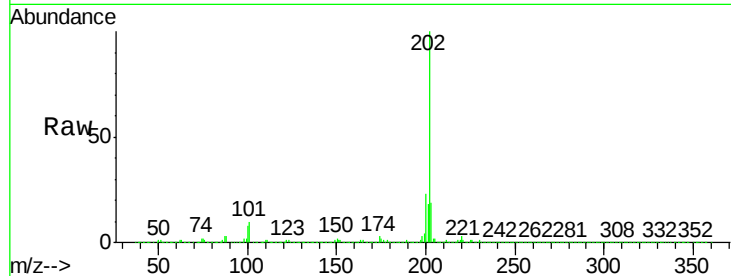
#77
 Pyrene
 Concen: 110.81 ng/ul
 RT: 19.62 min Scan# 2895
 Delta R.T. 0.01 min
 Lab File: BM007108.D
 Acq: 14 Aug 2016 15:17

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

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	8.4	12.6
100	7.8	6.9	10.3

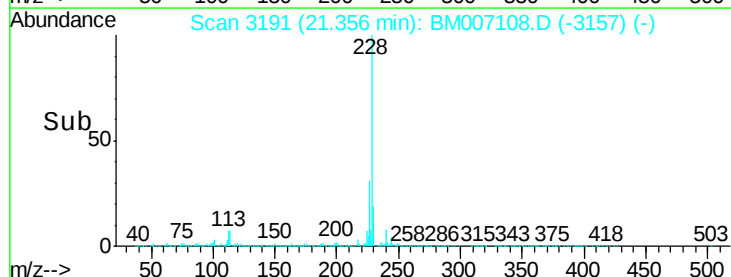
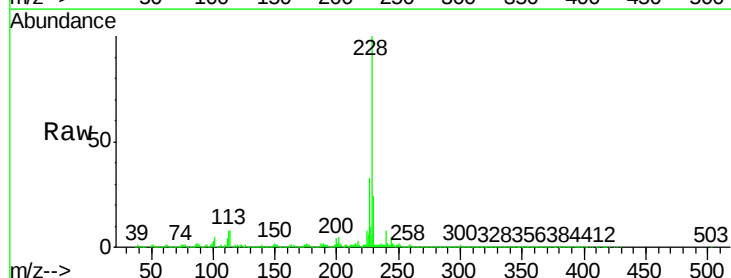
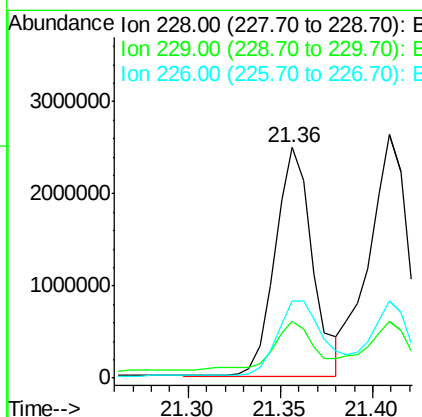
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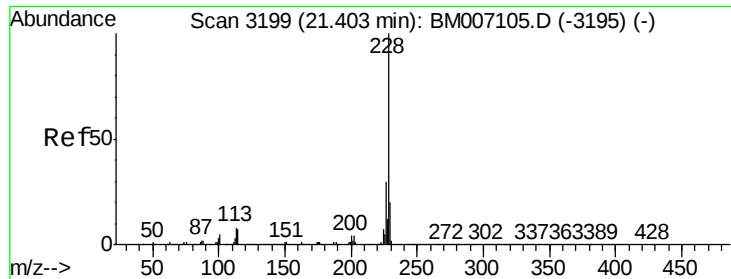
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#80
 Benzo(a)anthracene
 Concen: 37.67 ng/ul m
 RT: 21.36 min Scan# 3191
 Delta R.T. 0.00 min
 Lab File: BM007108.D
 Acq: 14 Aug 2016 15:17

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.5	15.6	23.4#
226	33.4	21.8	32.8#





#82

Chrysene

Concen: 44.63 ng/ul

RT: 21.41 min Scan# 3200

Delta R.T. 0.00 min

Lab File: BM007108.D

Acq: 14 Aug 2016 15:17

Instrument :

BNA_M

ClientSampleId :

PR002-SS001-1218-01MSD

Tgt Ion:228 Resp: 3832345

Ion Ratio Lower Upper

228 100

226 31.6 23.4 35.2

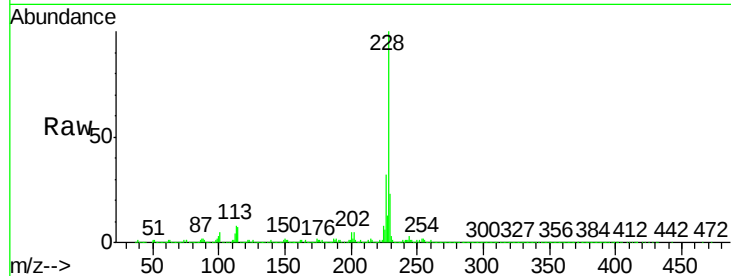
229 23.1 15.5 23.3

Manual Integrations

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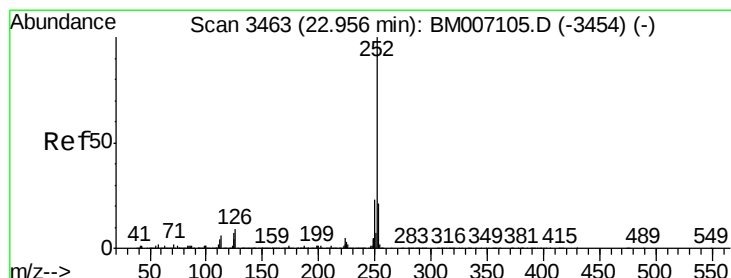
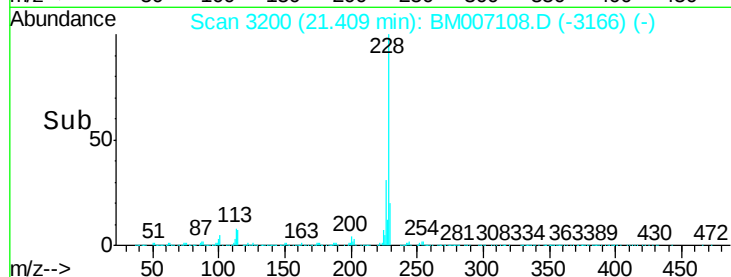
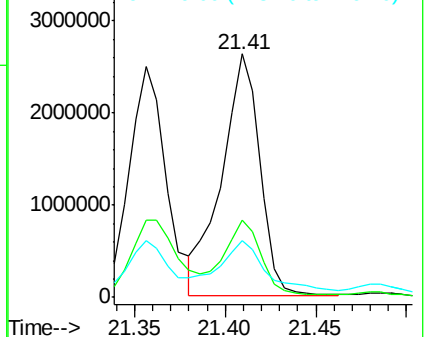
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 29.02 ng/ul

RT: 22.97 min Scan# 3466

Delta R.T. 0.01 min

Lab File: BM007108.D

Acq: 14 Aug 2016 15:17

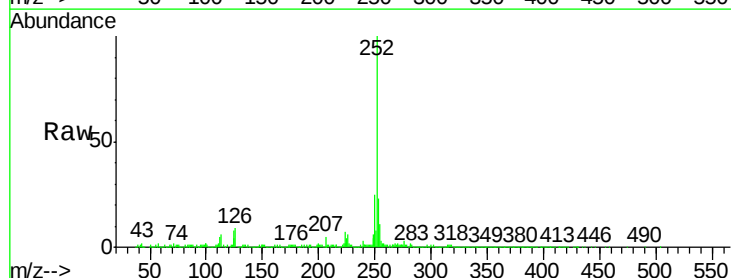
Tgt Ion:252 Resp: 3108252

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

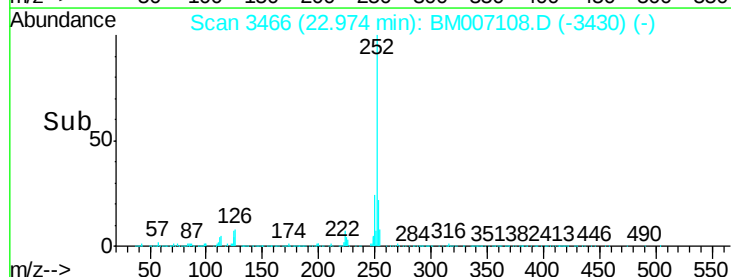
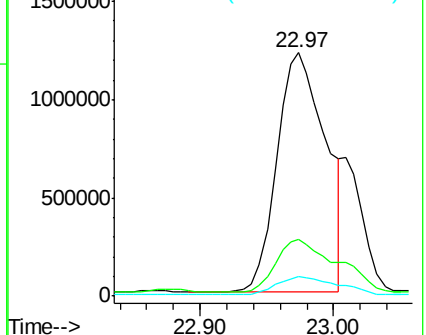
125 7.9 5.8 8.8

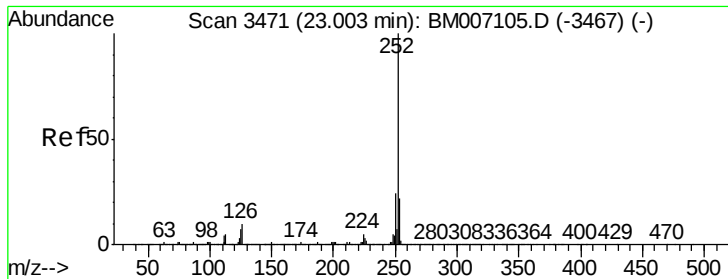


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 7.42 ng/ul m

RT: 23.01 min Scan# 3472

Delta R.T. 0.00 min

Lab File: BM007108.D

Acq: 14 Aug 2016 15:17

Instrument :

BNA_M

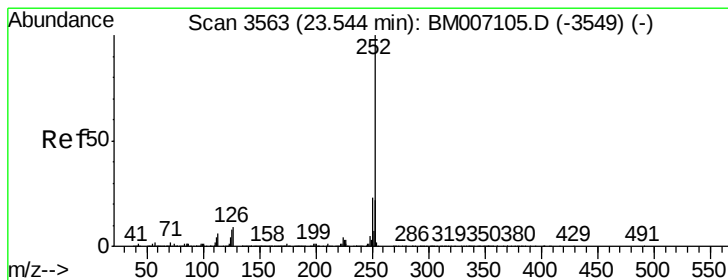
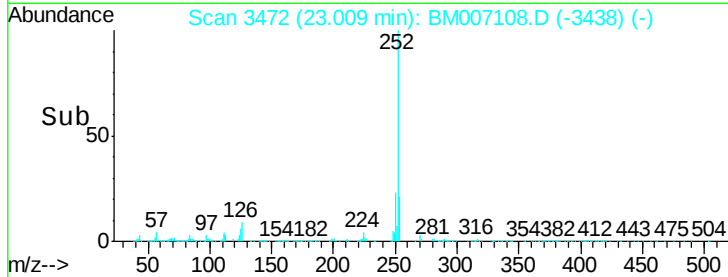
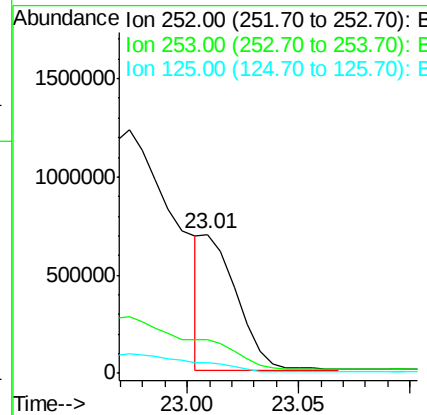
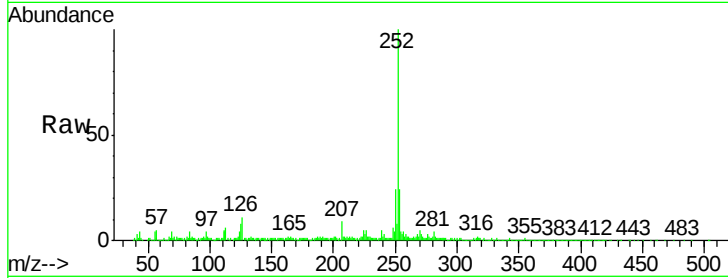
ClientSampleId :

PR002-SS001-1218-01MSD

Tgt Ion:	252	Resp:	746487
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.6	26.4
125	7.9	5.7	8.5

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#88

Benzo(a)pyrene

Concen: 28.17 ng/ul

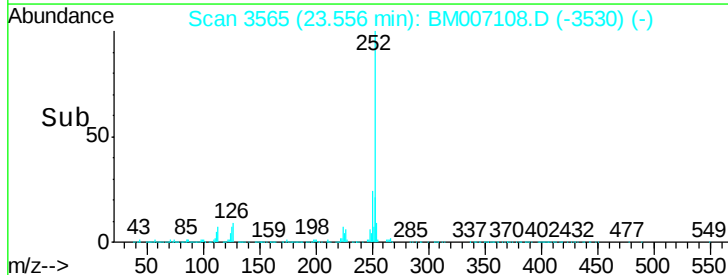
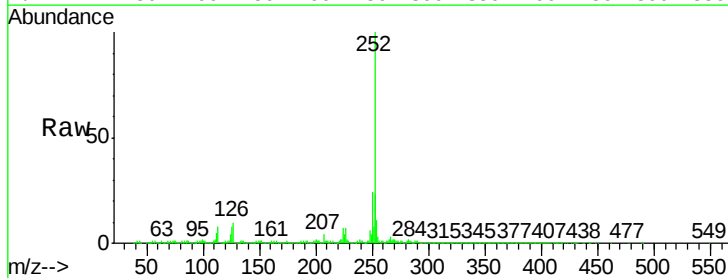
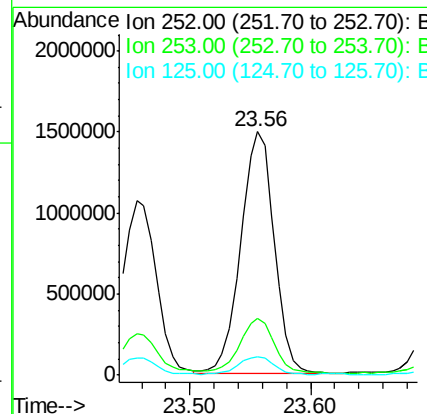
RT: 23.56 min Scan# 3565

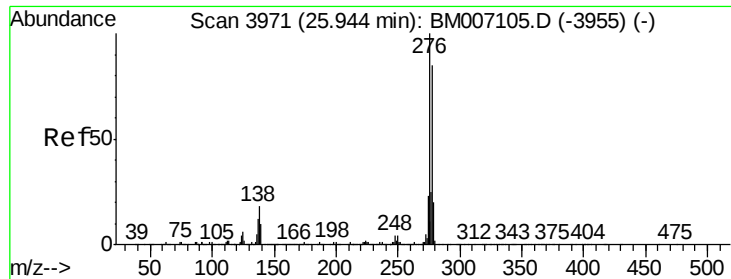
Delta R.T. 0.01 min

Lab File: BM007108.D

Acq: 14 Aug 2016 15:17

Tgt Ion:	252	Resp:	2860583
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.7	26.5
125	7.6	6.6	9.8





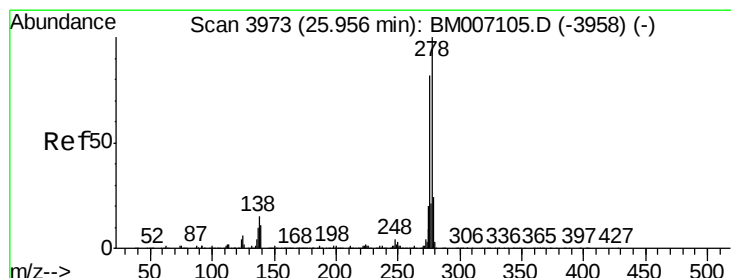
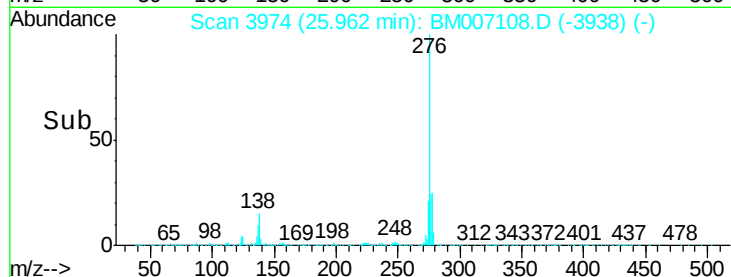
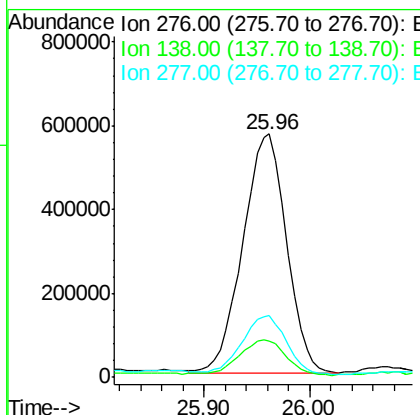
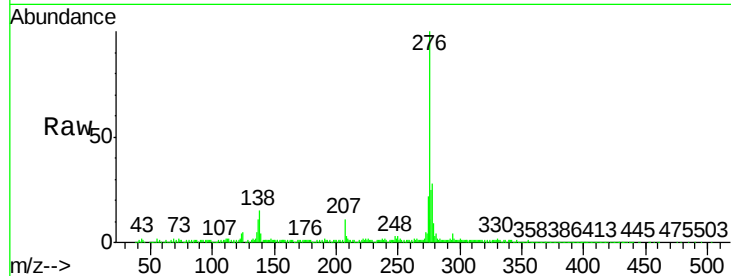
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 13.10 ng/ul
 RT: 25.96 min Scan# 3974
 Delta R.T. 0.01 min
 Lab File: BM007108.D
 Acq: 14 Aug 2016 15:17

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

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.1	13.9	20.9
277	25.2	20.1	30.1

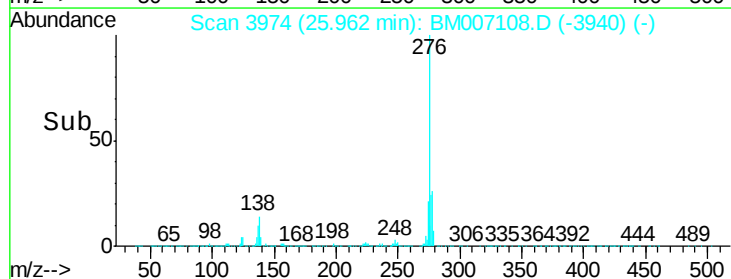
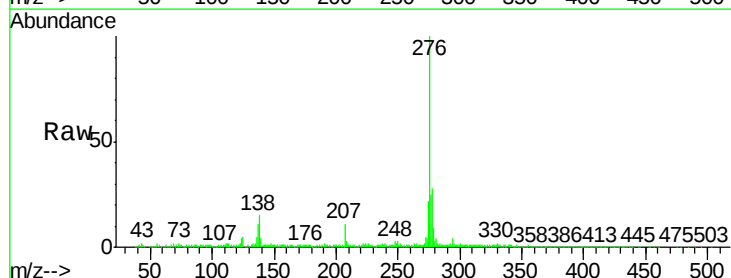
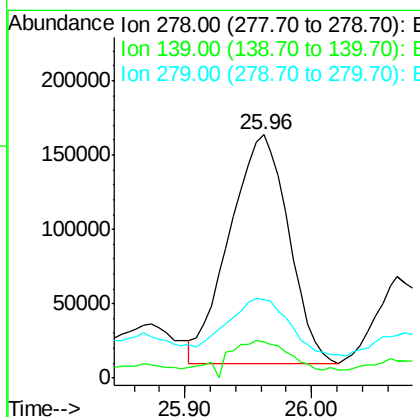
Manual Integrations
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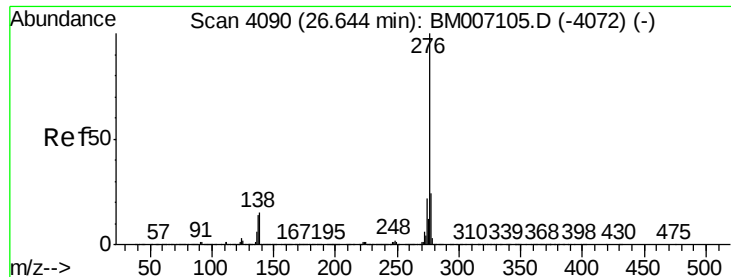
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#90
 Dibenzo(a,h)anthracene
 Concen: 4.76 ng/ul
 RT: 25.96 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: BM007108.D
 Acq: 14 Aug 2016 15:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.7	9.5	14.3#
279	32.3	19.1	28.7#





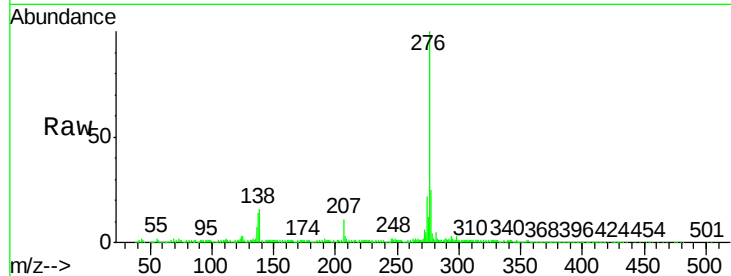
#91
 Benzo(g,h,i)perylene
 Concen: 16.76 ng/ul
 RT: 26.67 min Scan# 4094
 Delta R.T. 0.01 min
 Lab File: BM007108.D
 Acq: 14 Aug 2016 15:17

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

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.2	13.5	20.3
277	24.9	19.3	28.9

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

