

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

Quant Time: Aug 15 10:28:00 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 00:47:53 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	21.41	228	4100696	42.73	ng/ul	92
82) Chrysene	21.41	228	4100696	46.75	ng/ul	95
85) Benzo(b)fluoranthene	22.97	252	4009193	36.18	ng/ul	97
86) Benzo(k)fluoranthene	22.97	252	4009193	38.53	ng/ul	97
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

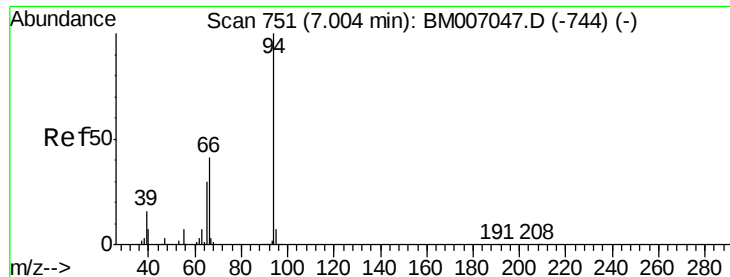
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 00:47:53 2016
Response via : Initial Calibration

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

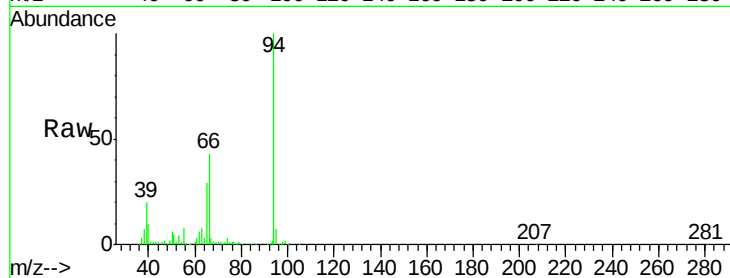
Tgt Ion: 94 Resp: 516816

Ion Ratio Lower Upper

94 100

65 29.4 23.9 35.9

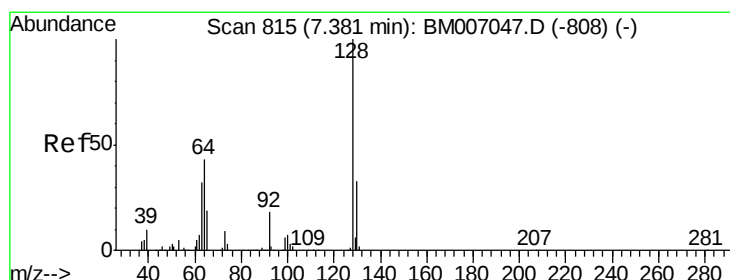
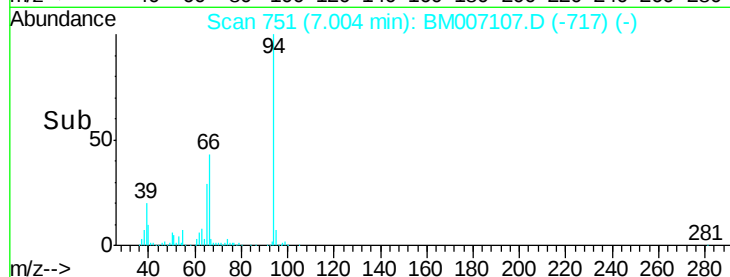
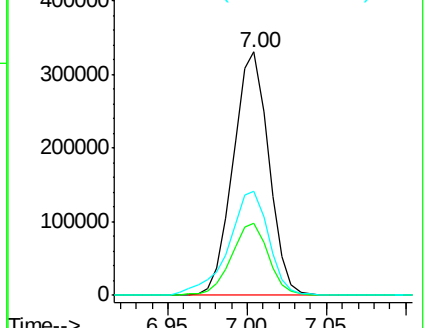
66 42.7 33.5 50.3



Abundance Ion 94.00 (93.70 to 94.70): BM007107.D (-717) (-)

Ion 65.00 (64.70 to 65.70): BM007107.D (-717) (-)

Ion 66.00 (65.70 to 66.70): BM007107.D (-717) (-)



#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

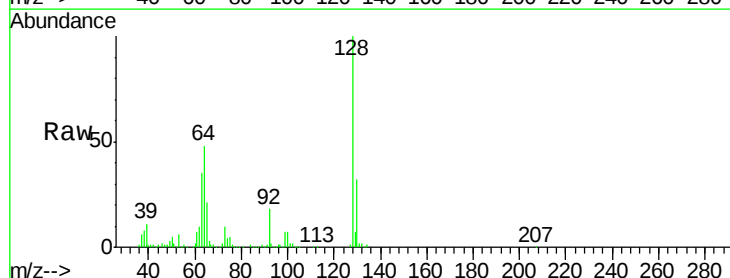
Tgt Ion: 128 Resp: 383648

Ion Ratio Lower Upper

128 100

64 47.6 37.5 56.3

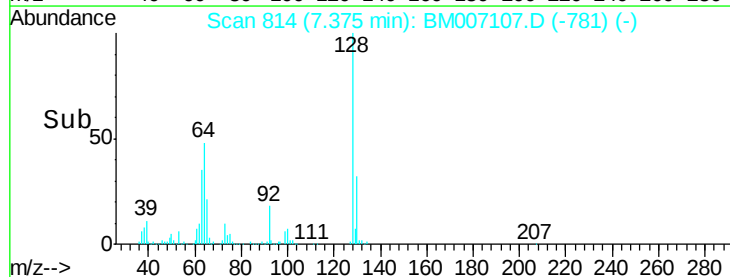
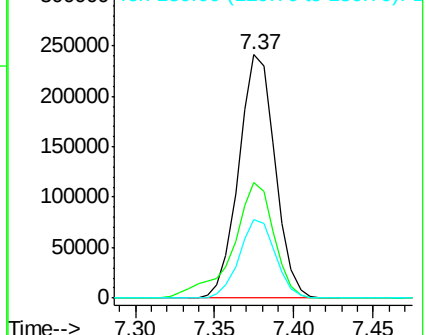
130 32.0 25.0 37.4

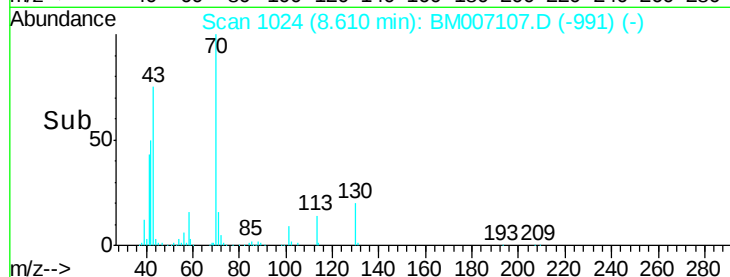
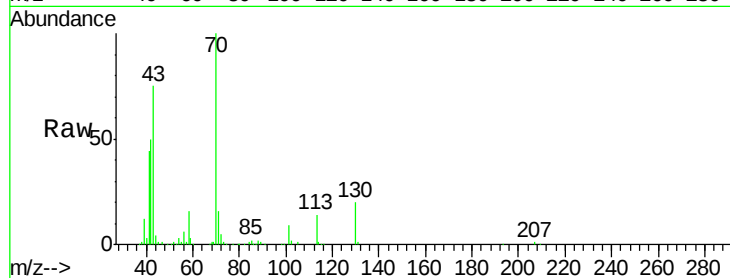
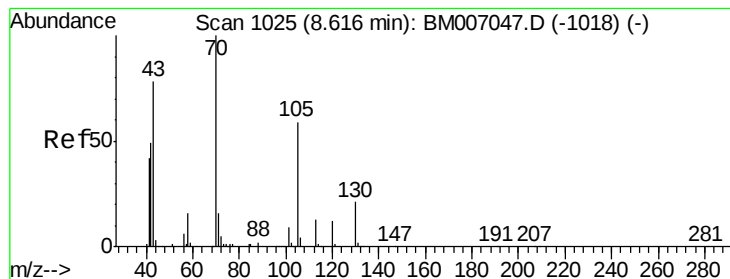


Abundance Ion 128.00 (127.70 to 128.70): BM007107.D (-781) (-)

Ion 64.00 (63.70 to 64.70): BM007107.D (-781) (-)

Ion 130.00 (129.70 to 130.70): BM007107.D (-781) (-)





#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: 70 Resp: 304223

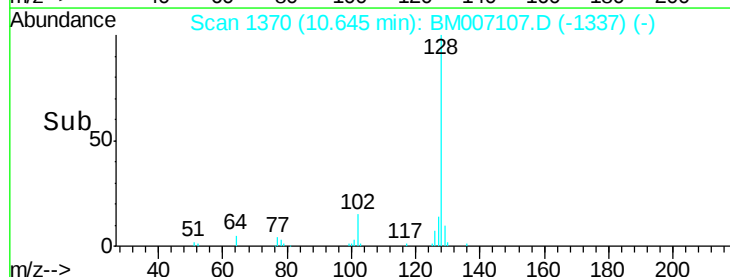
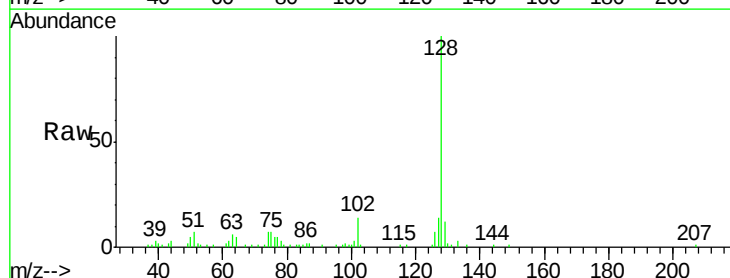
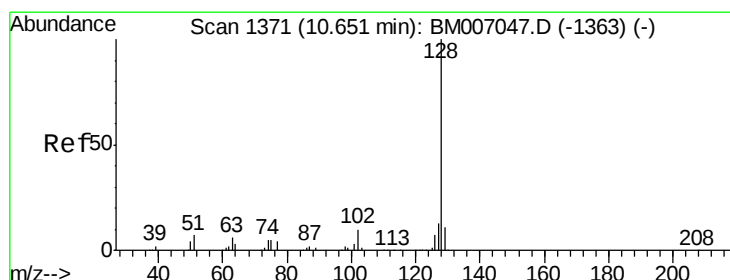
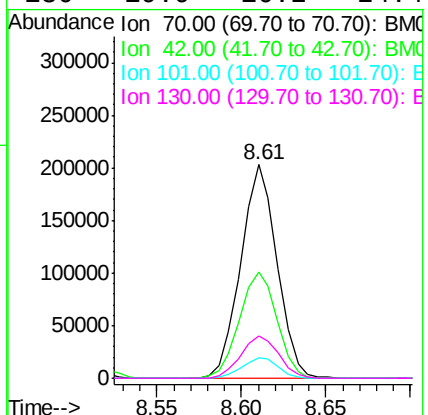
Ion Ratio Lower Upper

70 100

42 49.8 43.4 65.2

101 9.4 7.8 11.6

130 19.9 16.2 24.4



#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

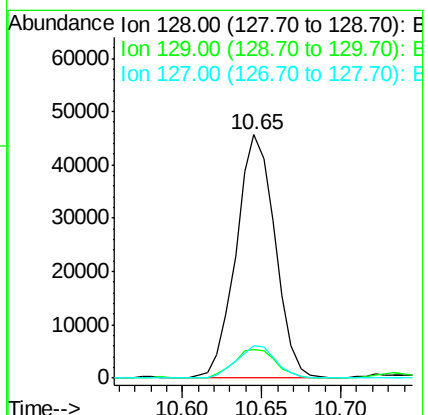
Tgt Ion: 128 Resp: 77730

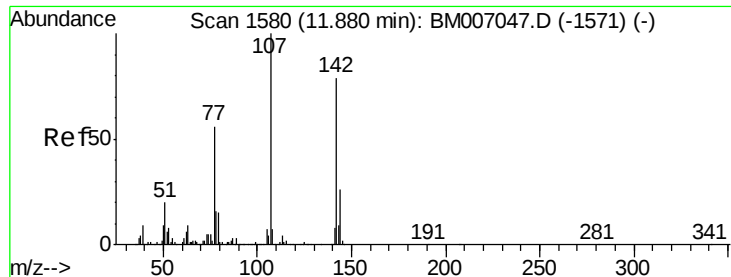
Ion Ratio Lower Upper

128 100

129 11.5 8.6 12.8

127 13.6 10.6 15.8

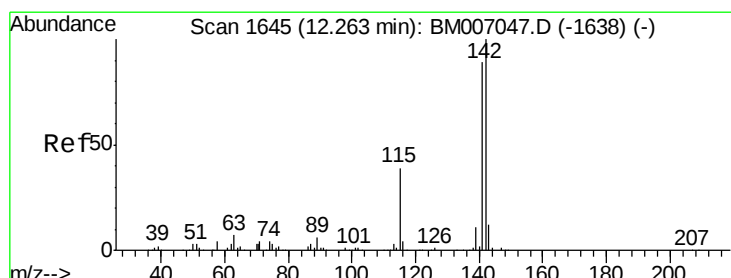
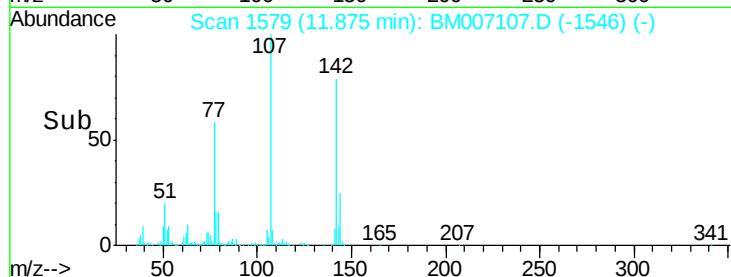
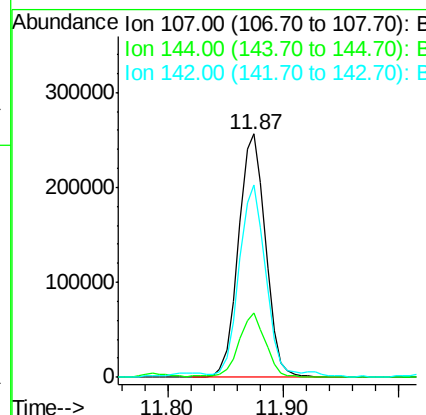
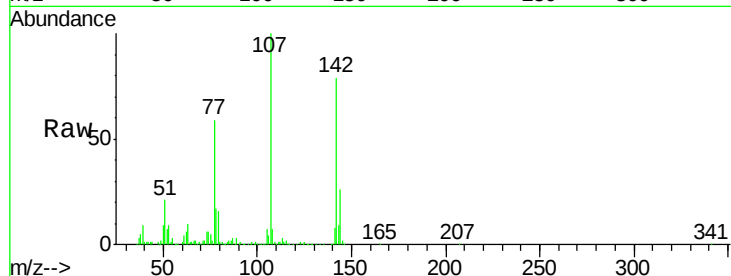




#33
 4-Chloro-3-methylphenol
 Concen: 21.44 ng/ul
 RT: 11.87 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BM007107.D
 Acq: 14 Aug 2016 14:40

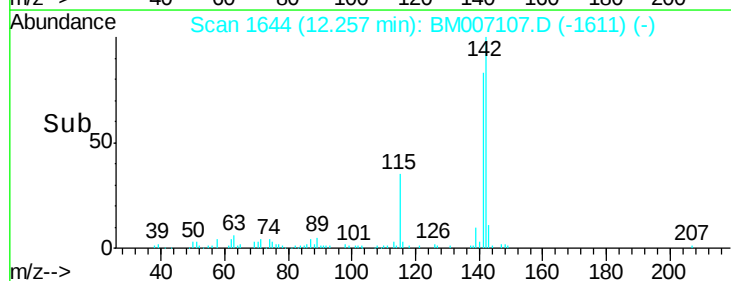
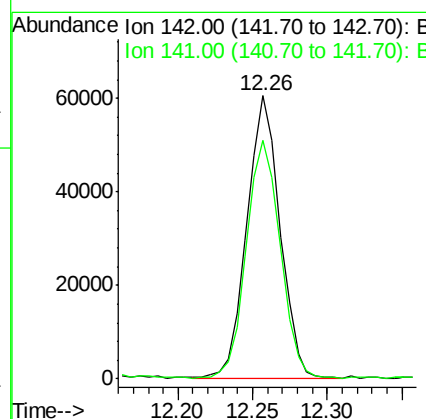
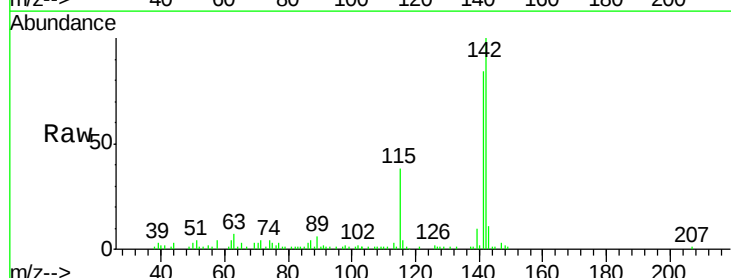
Instrument :
 BNA_M
 ClientSampleId :
 PR002-SS001-1218-01MS

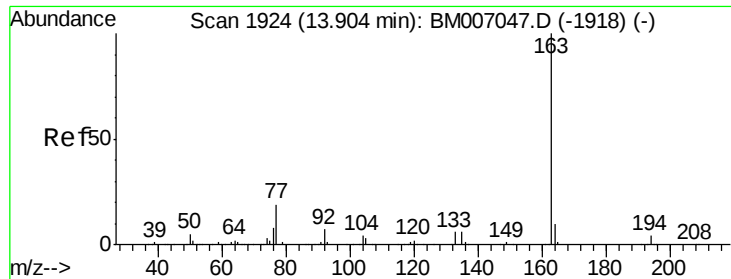
Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.2	21.1	31.7
142	78.8	64.1	96.1



#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	Lower	Upper
142	100		
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

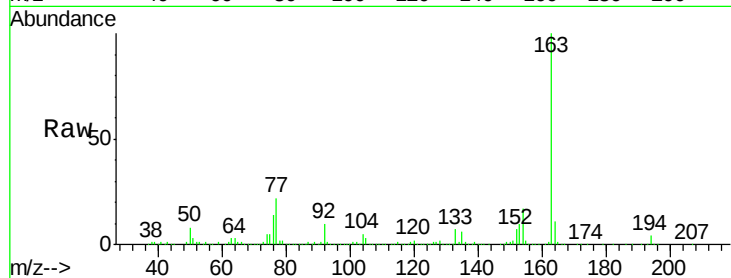
Tgt Ion:163 Resp: 837784

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

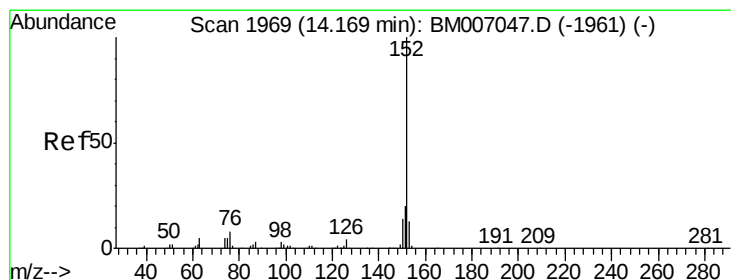
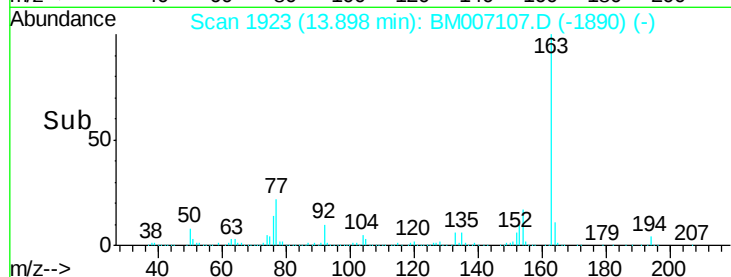
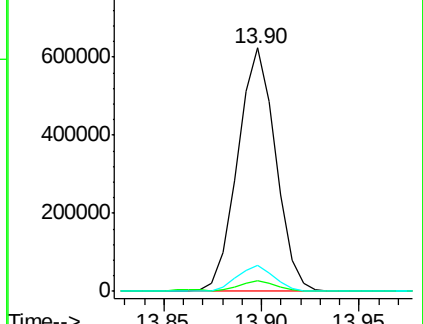
164 10.5 7.8 11.8



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: 18.44 ng/ul

RT: 14.16 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BM007107.D

Acq: 14 Aug 2016 14:40

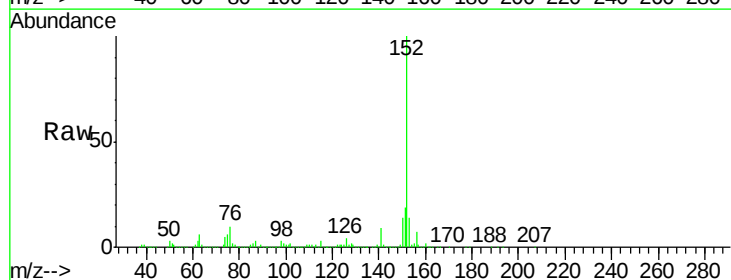
Tgt Ion:152 Resp: 1171116

Ion Ratio Lower Upper

152 100

151 19.3 16.0 24.0

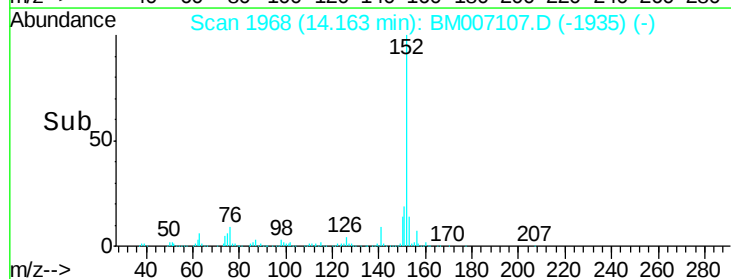
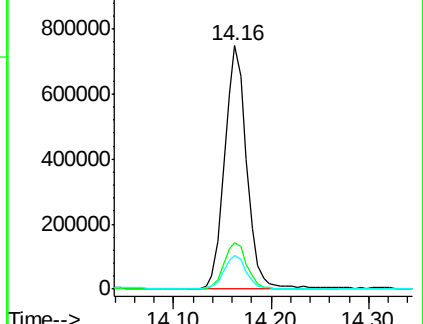
153 14.0 11.0 16.6

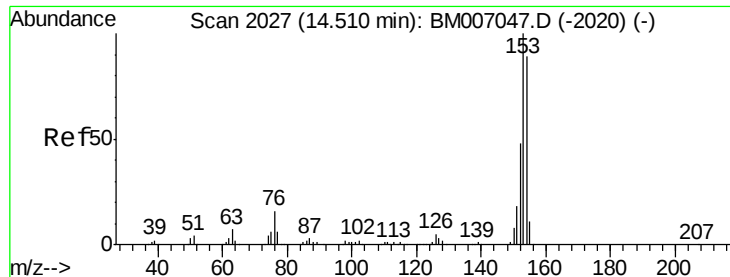


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 24.49 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

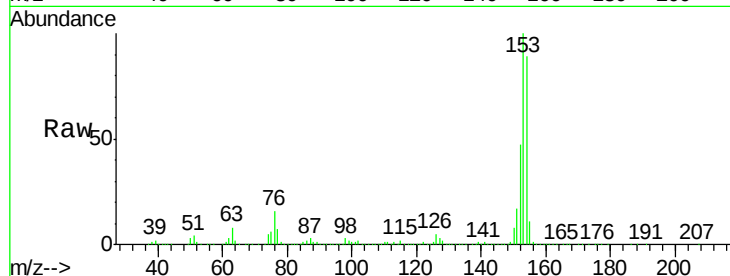
Tgt Ion:153 Resp: 1009530

Ion Ratio Lower Upper

153 100

152 46.9 37.8 56.6

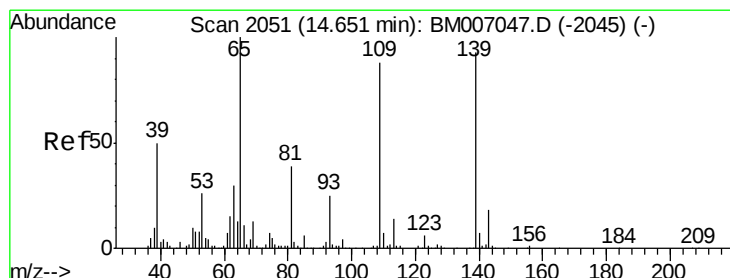
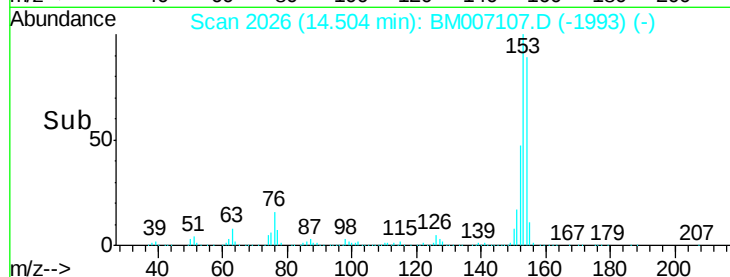
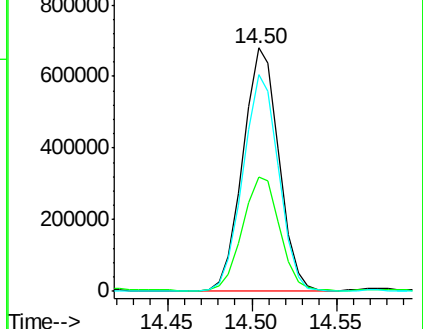
154 89.2 71.4 107.0



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

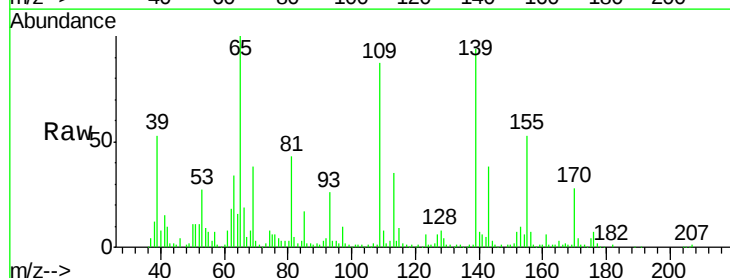
Tgt Ion:109 Resp: 160404

Ion Ratio Lower Upper

109 100

139 107.2 88.7 133.1

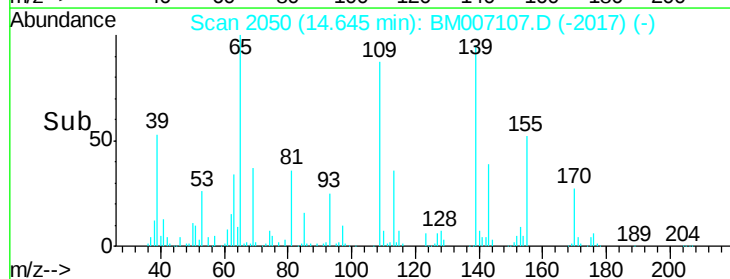
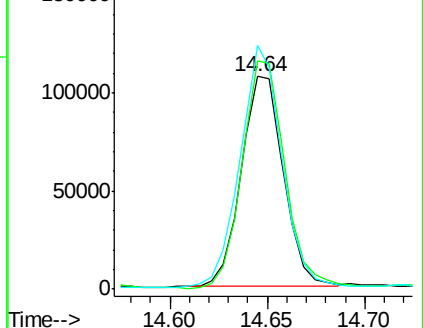
65 114.7 96.4 144.6

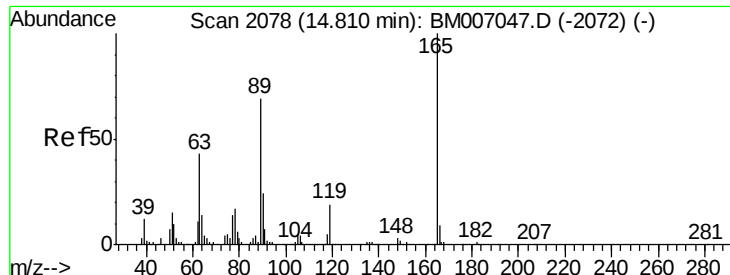


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM

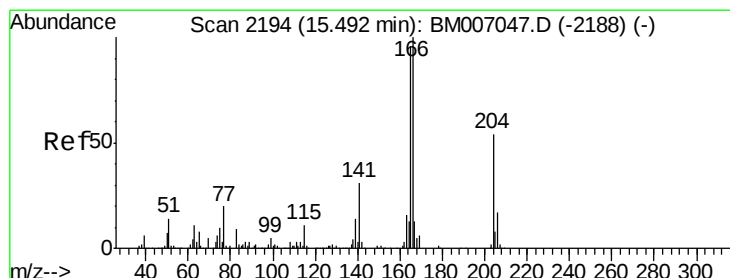
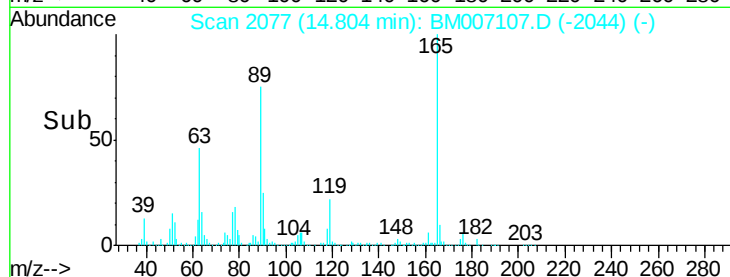
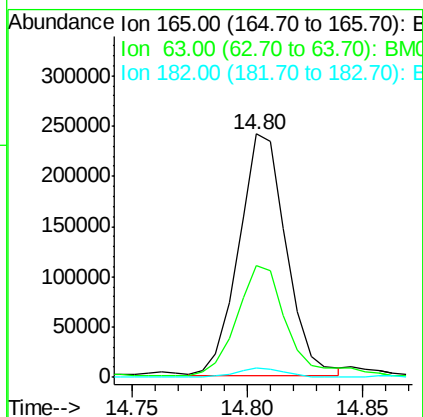
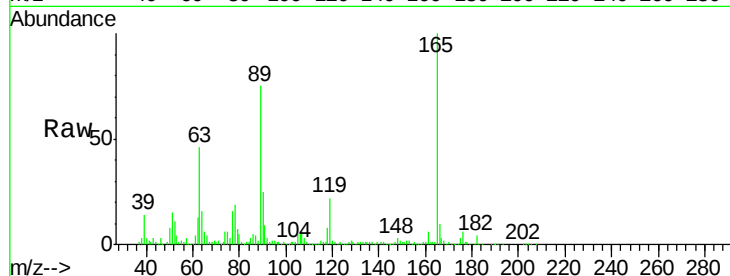




#54
2,4-Dinitrotoluene
Concen: 23.39 ng/ul
RT: 14.80 min Scan# 2077
Delta R.T. -0.01 min
Lab File: BM007107.D
Acq: 14 Aug 2016 14:40

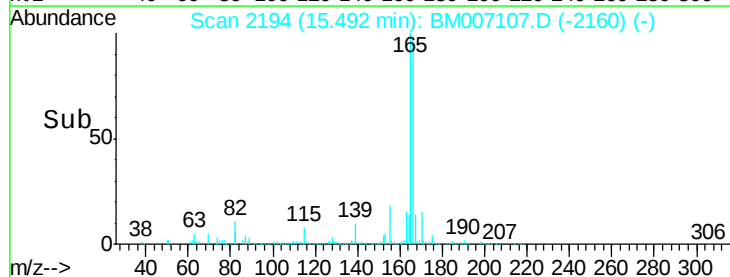
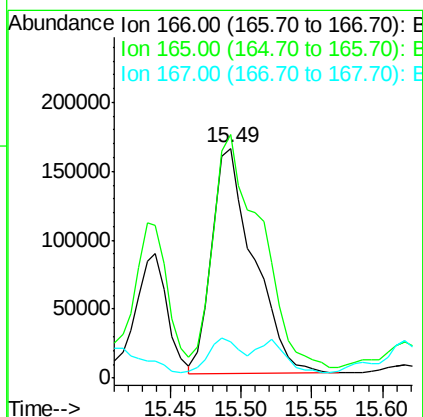
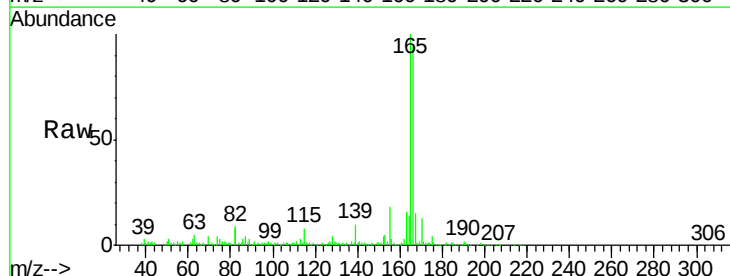
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BNA_M
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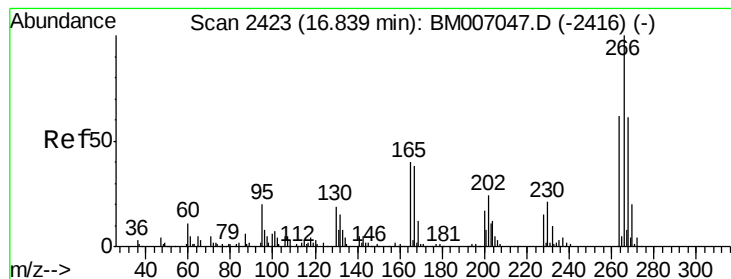
Tgt Ion:165 Resp: 344281
Ion Ratio Lower Upper
165 100
63 46.1 36.2 54.2
182 4.0 2.2 3.4#



#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

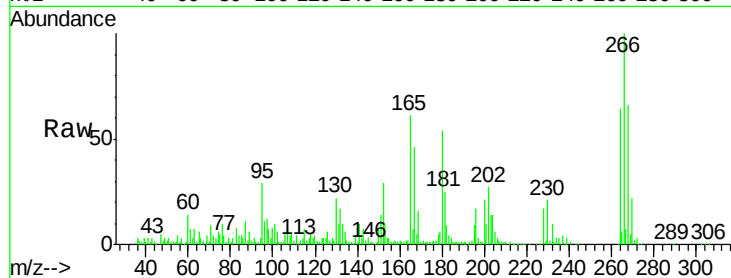
Tgt Ion:266 Resp: 226807

Ion Ratio Lower Upper

266 100

264 63.8 50.6 75.8

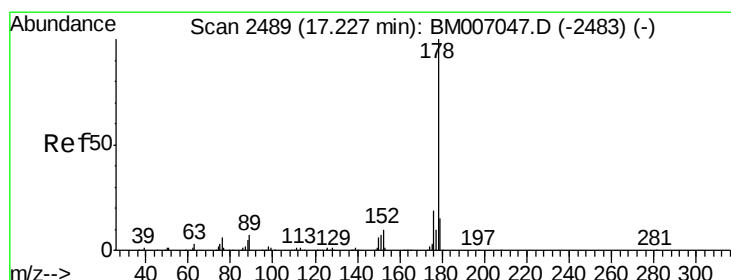
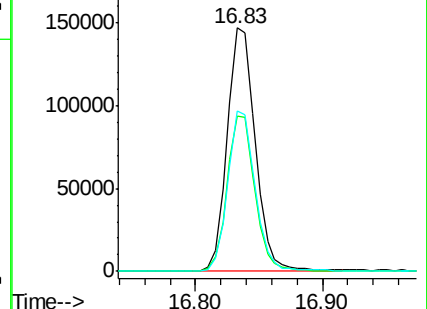
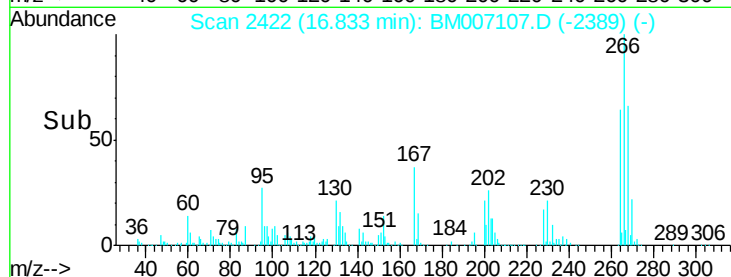
268 66.1 51.0 76.6



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#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

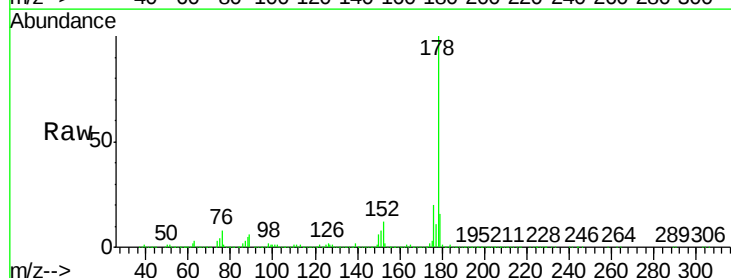
Tgt Ion:178 Resp: 4494271

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.2

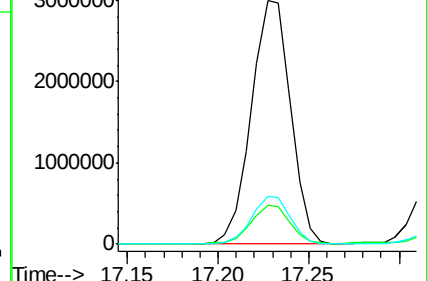
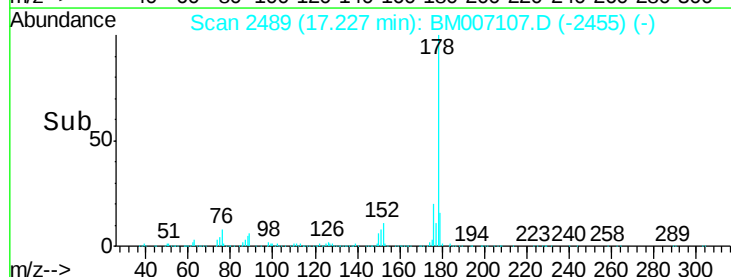
176 19.6 15.1 22.7

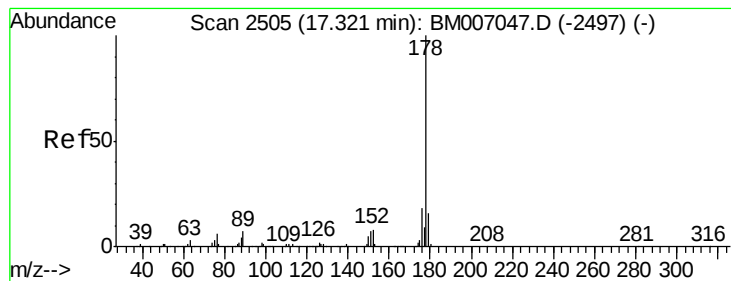


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#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

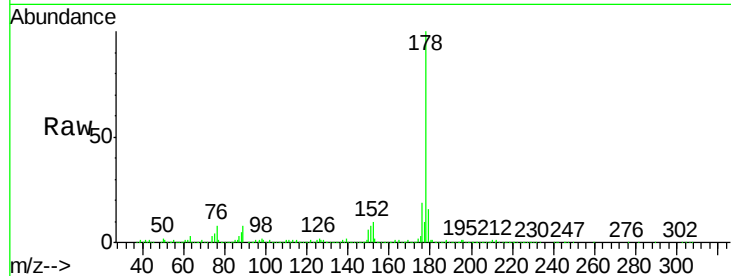
Tgt Ion:178 Resp: 1056161

Ion Ratio Lower Upper

178 100

179 16.0 12.1 18.1

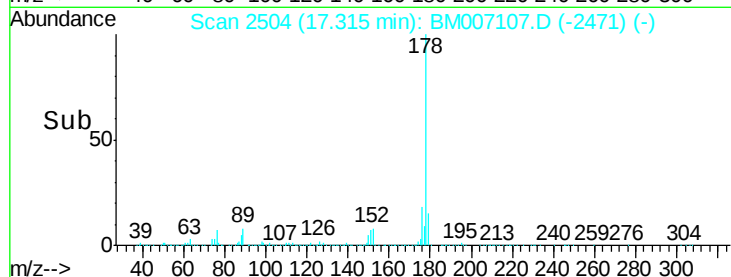
176 18.6 14.5 21.7



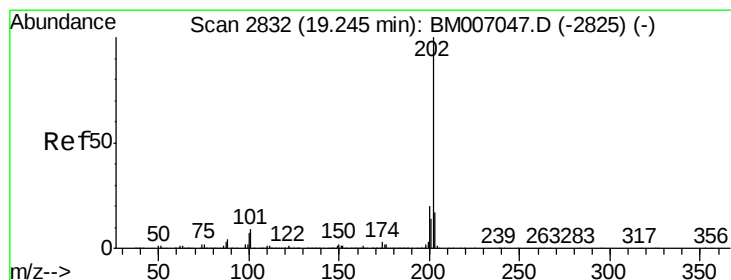
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#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

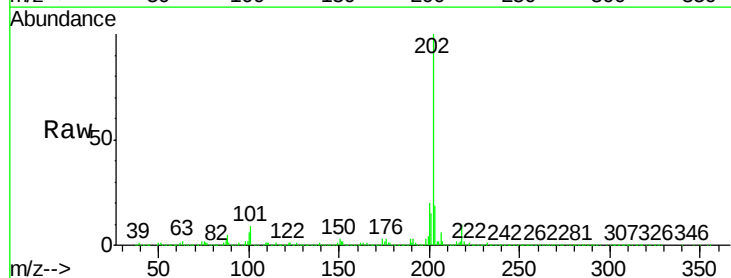
Tgt Ion:202 Resp: 4929952

Ion Ratio Lower Upper

202 100

101 8.9 6.9 10.3

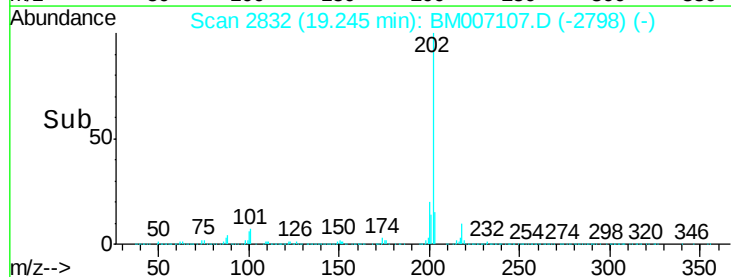
100 6.4 5.4 8.0



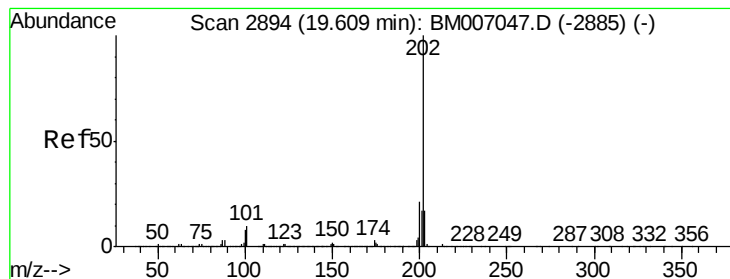
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#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

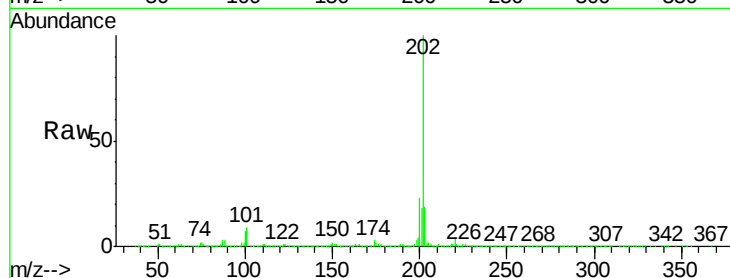
Tgt Ion:202 Resp: 9941560

Ion Ratio Lower Upper

202 100

101 9.5 8.4 12.6

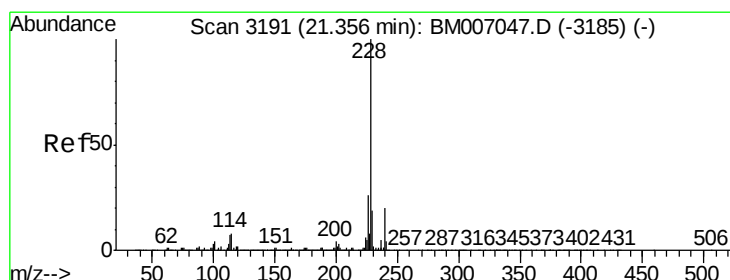
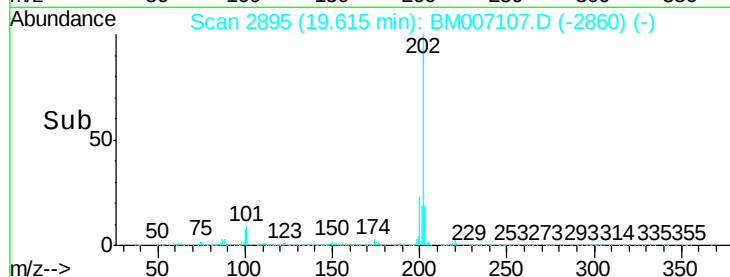
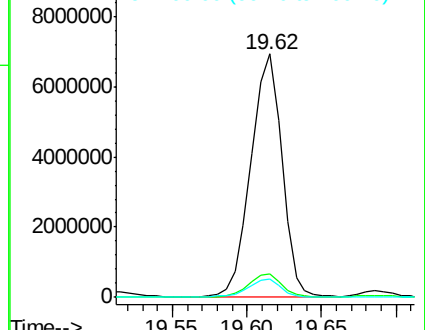
100 7.5 6.9 10.3



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: 42.73 ng/ul

RT: 21.41 min Scan# 3200

Delta R.T. 0.05 min

Lab File: BM007107.D

Acq: 14 Aug 2016 14:40

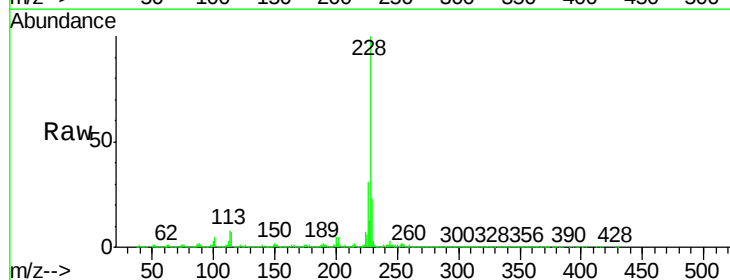
Tgt Ion:228 Resp: 4100696

Ion Ratio Lower Upper

228 100

229 23.0 15.6 23.4

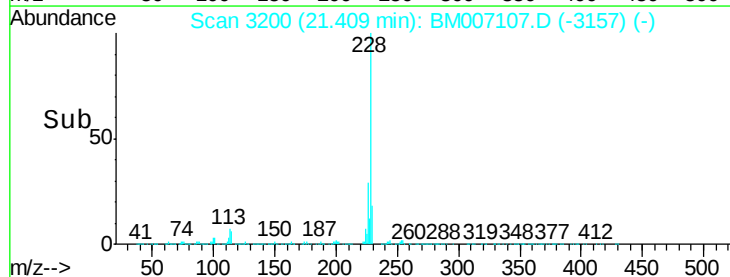
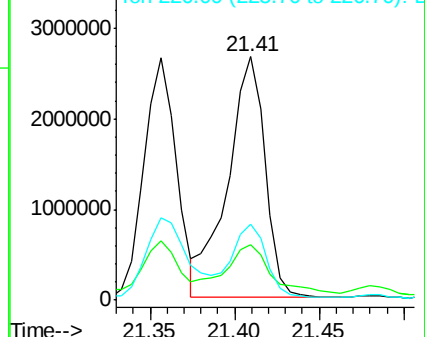
226 31.3 21.8 32.8

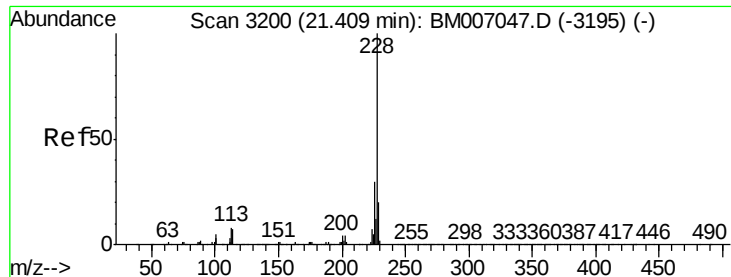


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 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 :

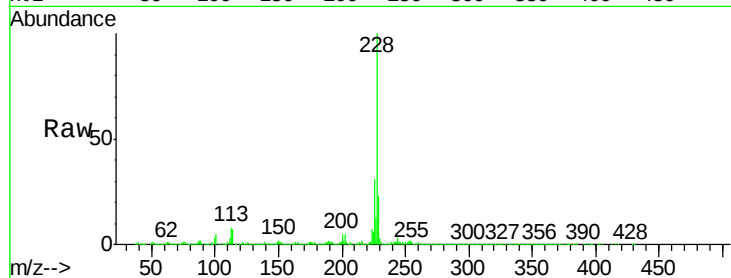
BNA_M

ClientSampleId :

PR002-SS001-1218-01MS

Tgt Ion:228 Resp: 4100696

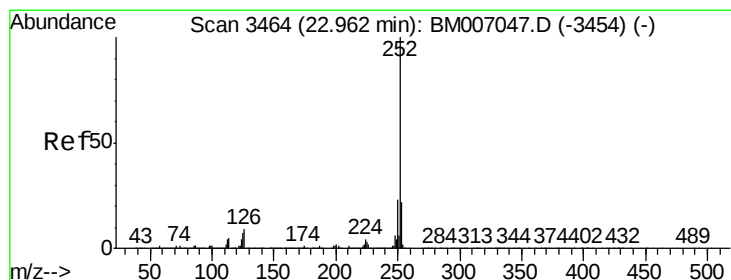
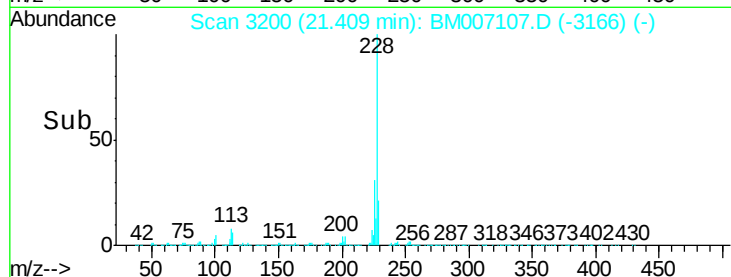
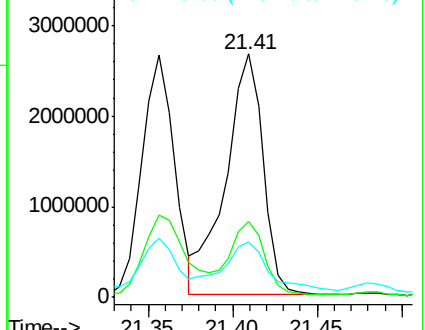
Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.4	35.2
229	23.0	15.5	23.3



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: 36.18 ng/ul

RT: 22.97 min Scan# 3466

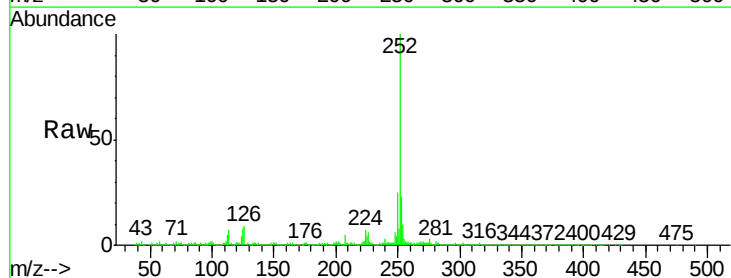
Delta R.T. 0.01 min

Lab File: BM007107.D

Acq: 14 Aug 2016 14:40

Tgt Ion:252 Resp: 4009193

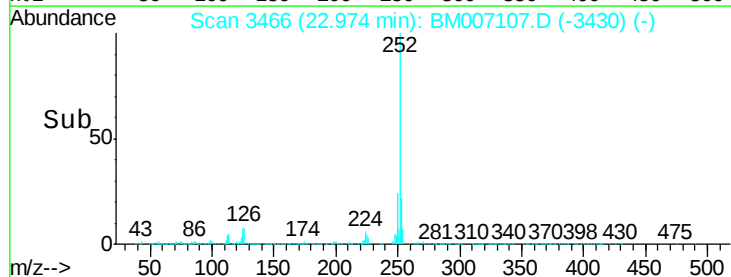
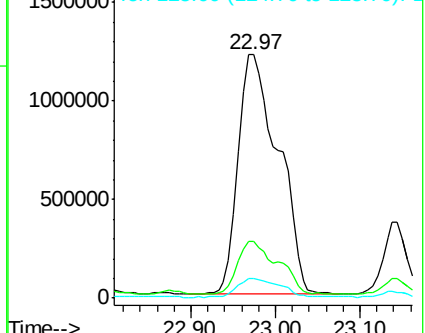
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	7.9	5.8	8.8

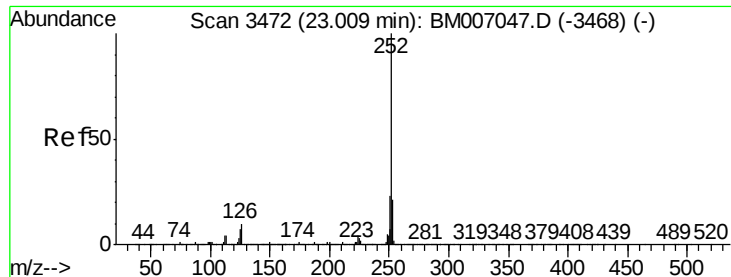


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 38.53 ng/ul

RT: 22.97 min Scan# 3466

Delta R.T. -0.04 min

Lab File: BM007107.D

Acq: 14 Aug 2016 14:40

Instrument :

BNA_M

ClientSampleId :

PR002-SS001-1218-01MS

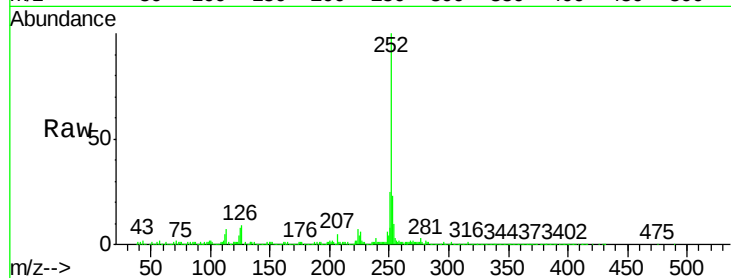
Tgt Ion:252 Resp: 4009193

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

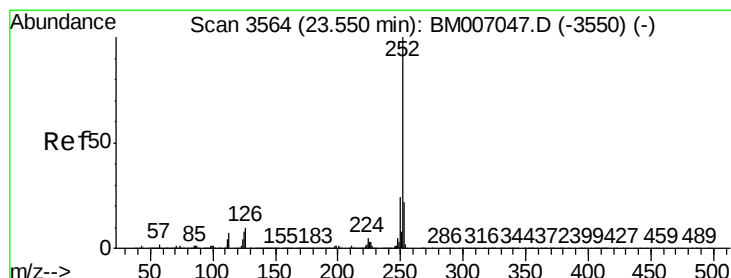
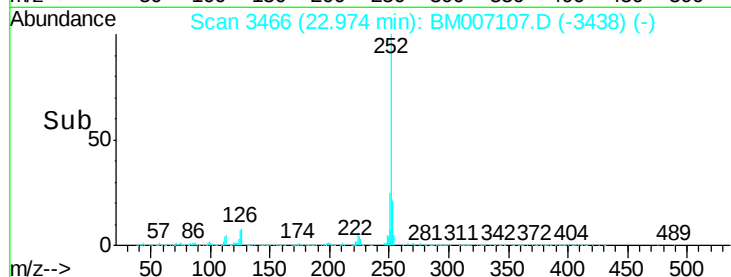
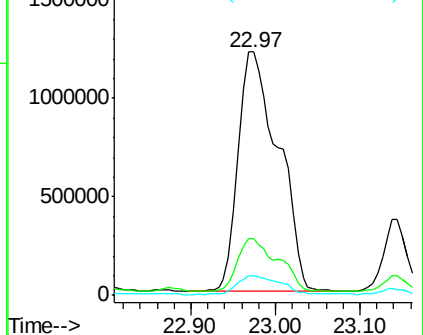
125 7.9 5.7 8.5



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: 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

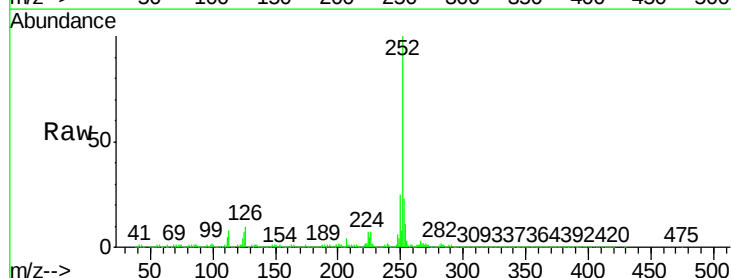
Tgt Ion:252 Resp: 2998479

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

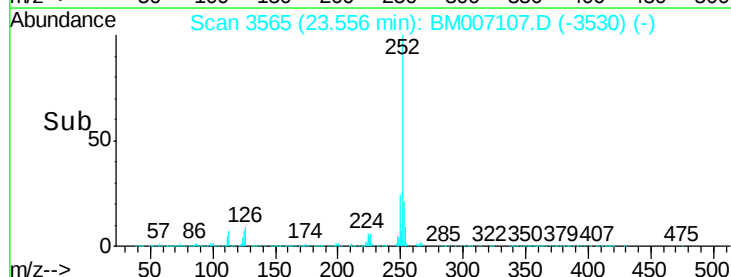
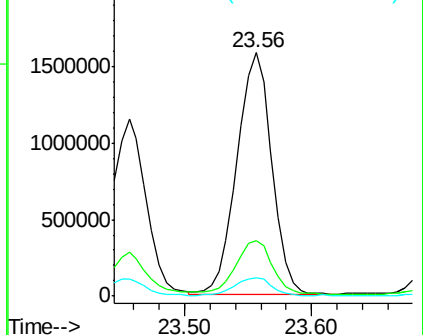
125 7.4 6.6 9.8

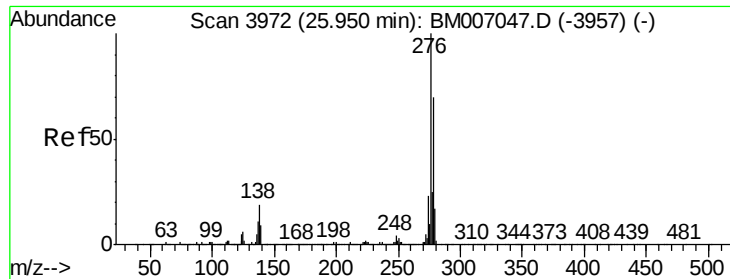


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



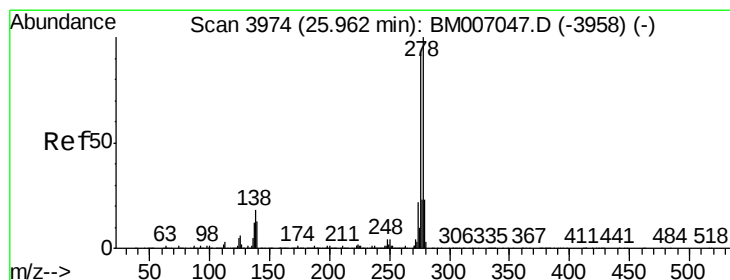
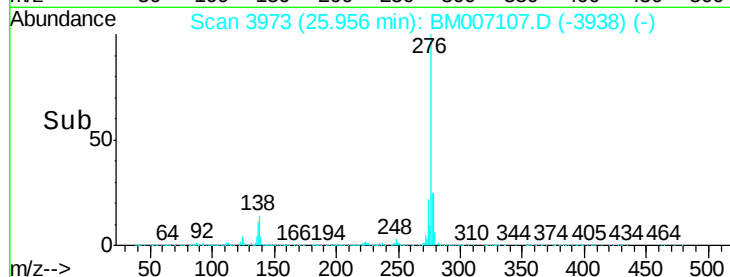
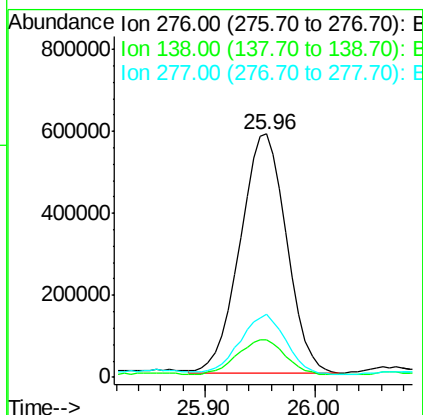
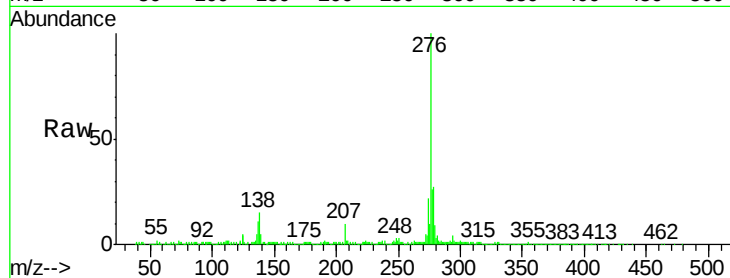


#89

Indeno(1,2,3-cd)pyrene
Concen: 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

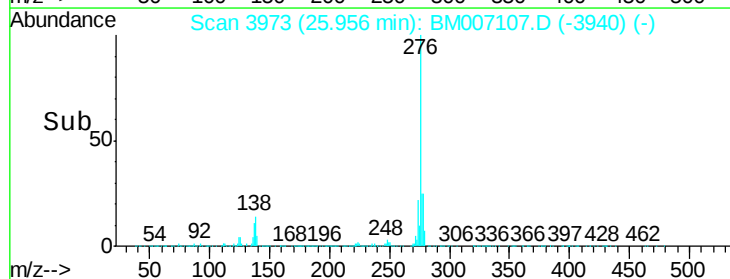
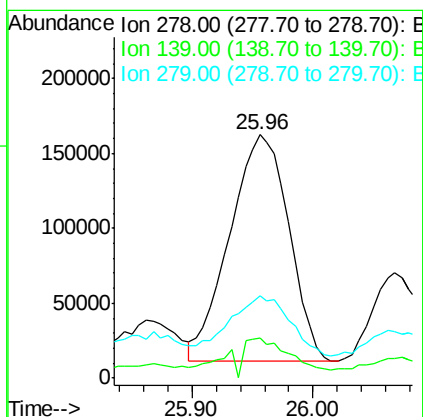
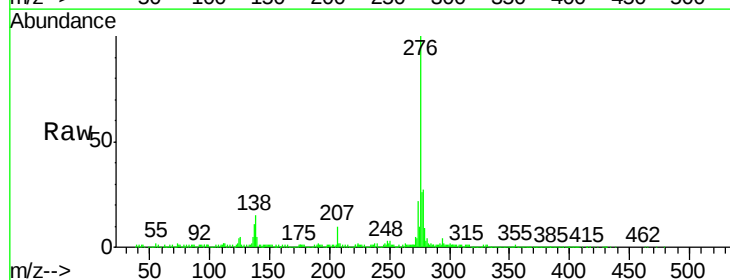
Tgt Ion:276 Resp: 1717259
Ion Ratio Lower Upper
276 100
138 15.2 13.9 20.9
277 26.1 20.1 30.1

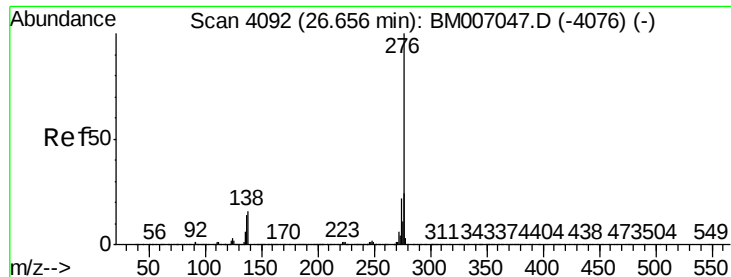


#90

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

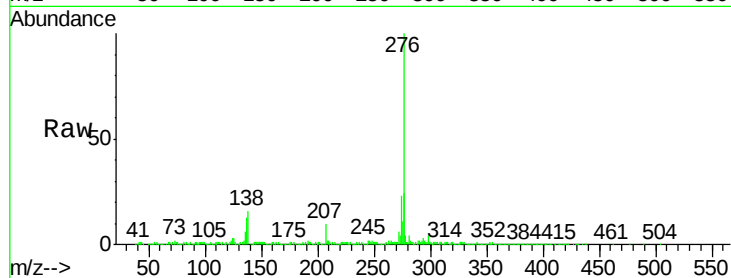
Tgt Ion:276 Resp: 1883701

Ion Ratio Lower Upper

276 100

138 15.7 13.5 20.3

277 24.5 19.3 28.9



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

