

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
 Data File : BM012087.D
 Acq On : 12 Oct 2017 02:25
 Operator : SJ/JU
 Sample : I5649-05MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 12 04:28:31 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 04:22:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	290285	20.00	ng/ul	0.00
18) Naphthalene-d8	10.64	136	1220233	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	728950	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1582268	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1349590	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	1370799	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	15291	2.49	ng/uL	0.00
5) Phenol-d5	7.00	99	309289	12.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	190031	12.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	267307	13.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	262084	12.14	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	129370	14.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	146747	14.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.26	165	289165	14.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	234043	10.84	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	957027	15.15	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1140866	15.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	101757	9.22	ng/ul	0.00
57) Fluorene-d10	15.48	176	800152	14.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	53520	5.03	ng/ul	0.00
70) Anthracene-d10	17.33	188	1169907	15.00	ng/ul	0.00
76) Pyrene-d10	19.62	212	1171013	19.24	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.58	264	1010520	15.32	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.03	94	348738	14.111	ng/ul#	85
10) 2-Chlorophenol	7.40	128	282910	14.450	ng/ul	99
14) Acetophenone	8.67	105	44521	1.409	ng/ul	87
15) N-Nitroso-di-n-propylamine	8.65	70	196975	12.184	ng/ul#	71
17) Hexachloroethane	8.94	117	11509	1.465	ng/ul#	1
28) Naphthalene	10.69	128	70927	1.159	ng/ul	96
33) 4-Chloro-3-methylphenol	11.93	107	322642	15.551	ng/ul	93
34) 2-Methylnaphthalene	12.30	142	50830	1.089	ng/ul	97
44) Dimethylphthalate	13.94	163	324362	5.337	ng/ul	99
49) Acenaphthene	14.55	153	681670	13.685	ng/ul	100
52) 4-Nitrophenol	14.71	109	97611	11.065	ng/ul#	77
54) 2,4-Dinitrotoluene	14.86	165	215810	12.737	ng/ul#	83
68) Pentachlorophenol	16.89	266	158321	12.701	ng/ul	97
69) Phenanthrene	17.27	178	613193	7.045	ng/ul	99
71) Anthracene	17.37	178	144411	1.631	ng/ul	98
74) Fluoranthene	19.29	202	1434769	13.511	ng/ul#	93
77) Pyrene	19.66	202	2422269	32.370	ng/ul#	91
80) Benzo(a)anthracene	21.39	228	655004	8.472	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.30	149	57336	1.315	ng/ul	97
82) Chrysene	21.44	228	640472	8.719	ng/ul	95
85) Benzo(b)fluoranthene	23.03	252	875805	10.511	ng/ul#	93
86) Benzo(k)fluoranthene	23.03	252	875805	10.528	ng/ul#	91
88) Benzo(a)pyrene	23.63	252	555585	6.939	ng/ul#	92

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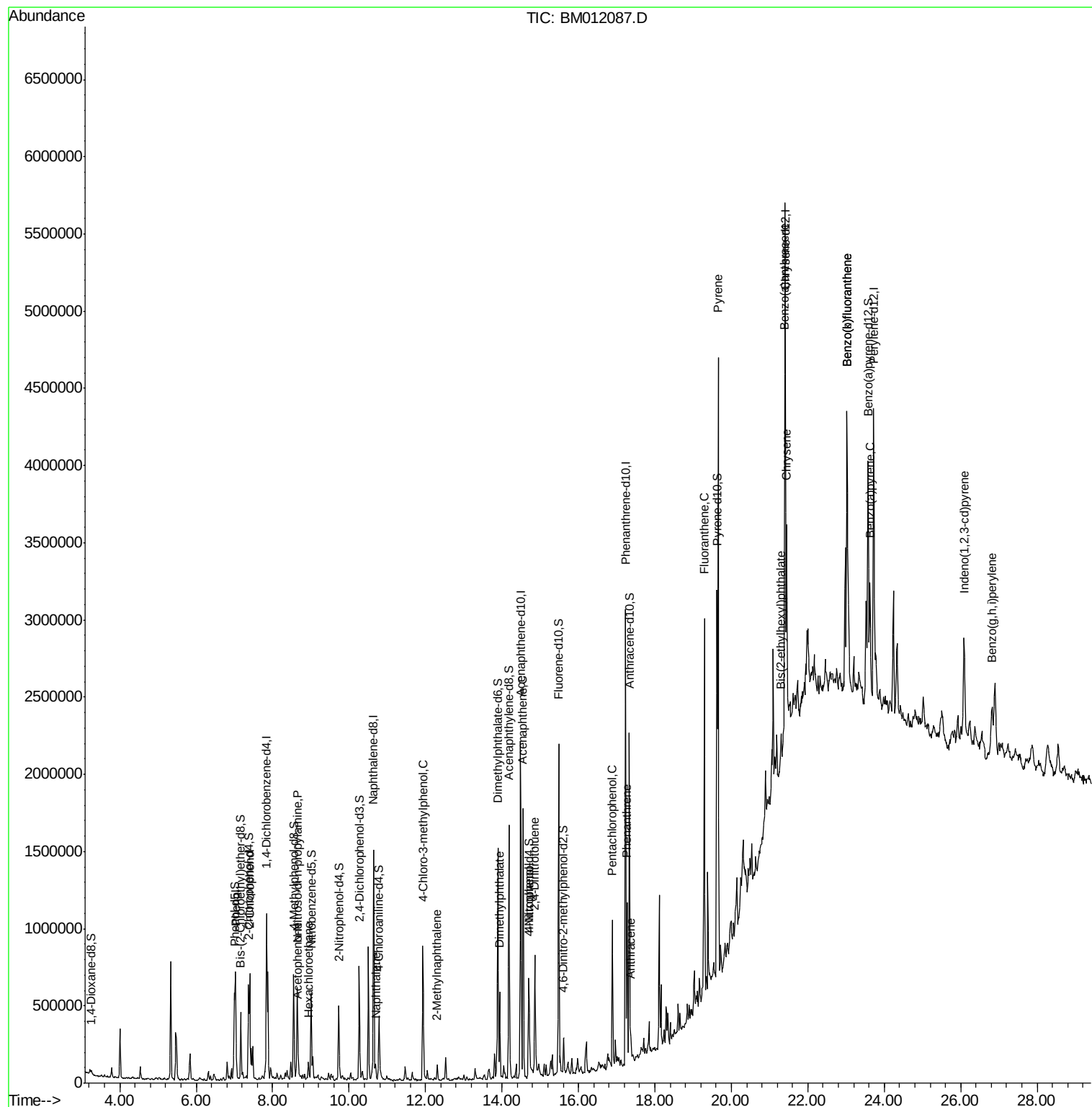
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	26.09	276	449327	5.244	ng/ul#	92
91) Benzo(q,h,i)perylene	26.81	276	339122	4.785	ng/ul#	91

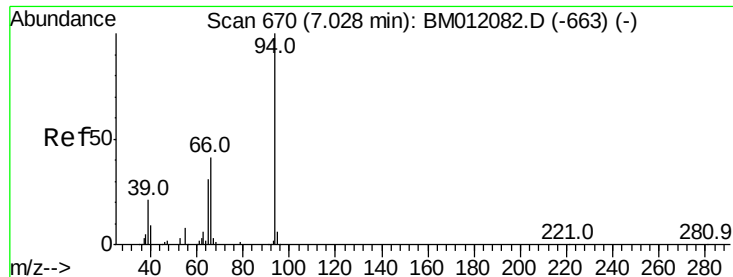
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 14.111 ng/ul

RT: 7.03 min Scan# 670

Delta R.T. 0.00 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

Instrument :

BNA_M

ClientSampled :

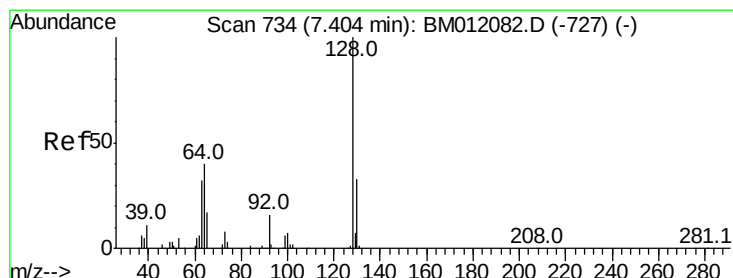
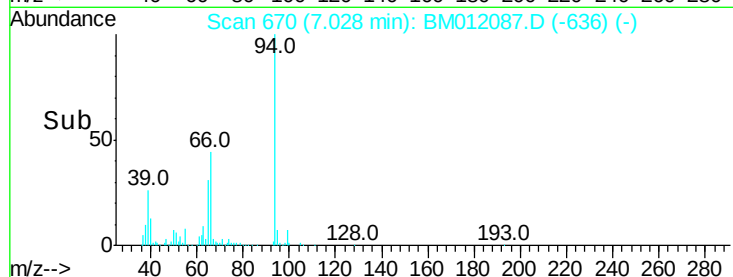
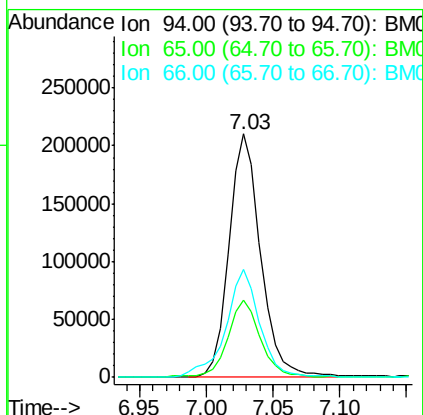
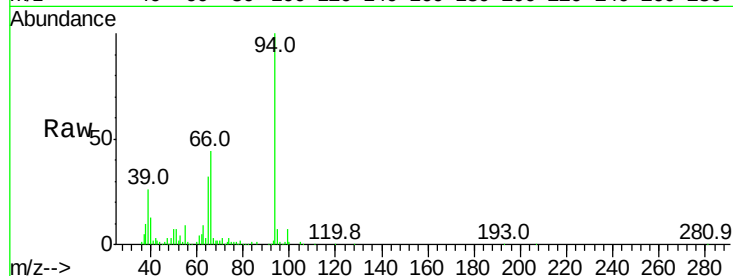
Tot Ion: 94 Resp: 348738

Ion Ratio Lower Upper

94 100

65 31.6 28.2 42.4

66 44.4 47.2 70.8#



#10

2-Chlorophenol

Concen: 14.450 ng/ul

RT: 7.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

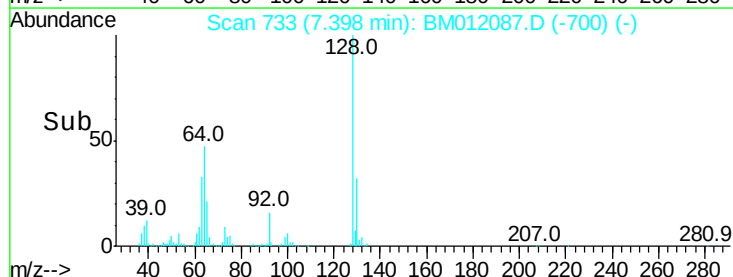
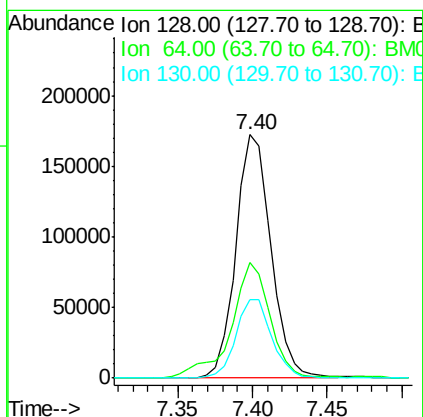
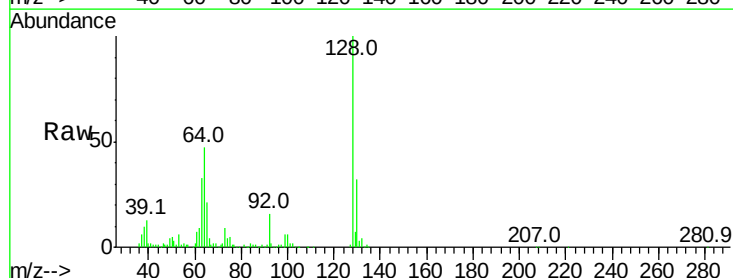
Tgt Ion:128 Resp: 282910

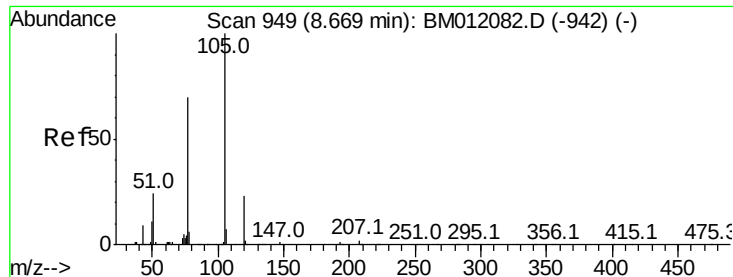
Ion Ratio Lower Upper

128 100

64 47.3 38.0 57.0

130 32.3 24.4 36.6





#14

Acetophenone

Concen: 1.409 ng/ul

RT: 8.67 min Scan# 949

Delta R.T. 0.00 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

Instrument :

BNA_M

ClientSampleId :

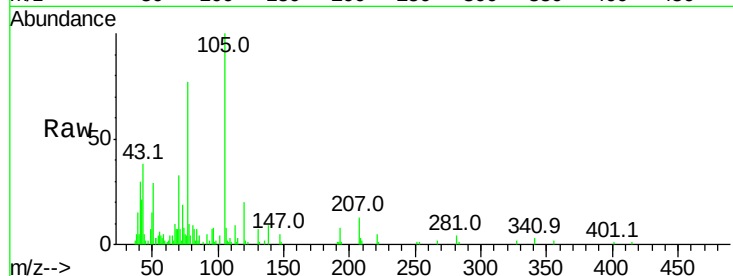
Tot Ion:105 Resp: 44521

Ion Ratio Lower Upper

105 100

77 76.9 74.2 111.4

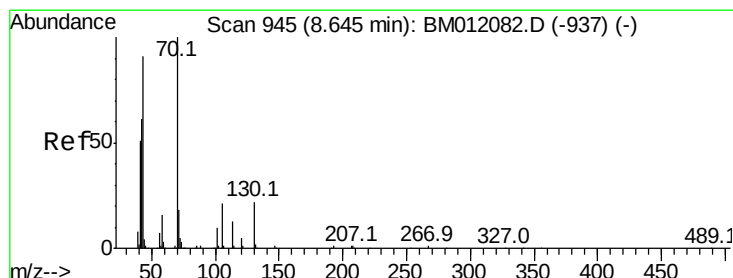
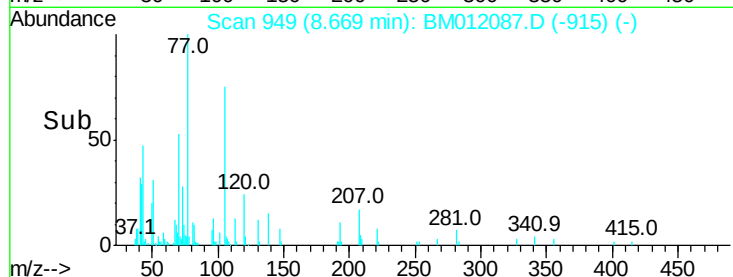
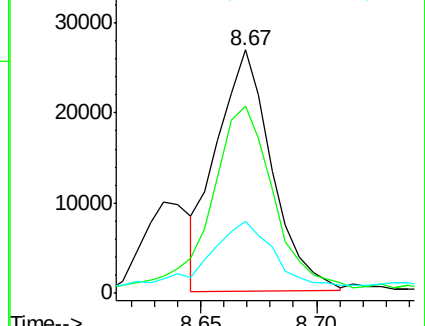
51 29.4 23.4 35.2



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#15

N-Nitroso-di-n-propylamine

Concen: 12.184 ng/ul

RT: 8.65 min Scan# 945

Delta R.T. 0.00 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

Tgt Ion: 70 Resp: 196975

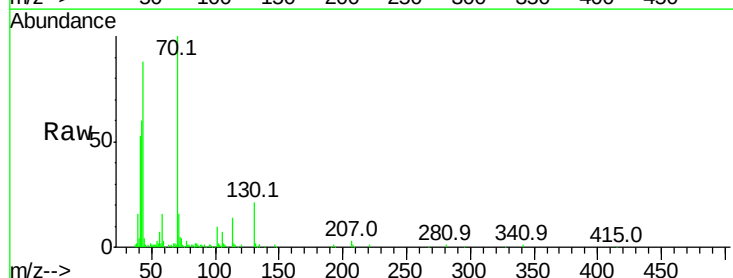
Ion Ratio Lower Upper

70 100

42 60.3 76.0 114.0#

101 10.1 6.7 10.1#

130 21.1 14.6 22.0

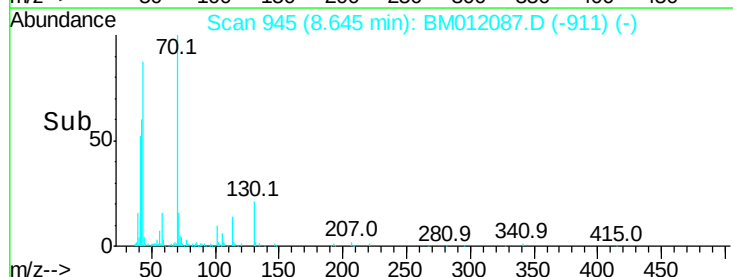
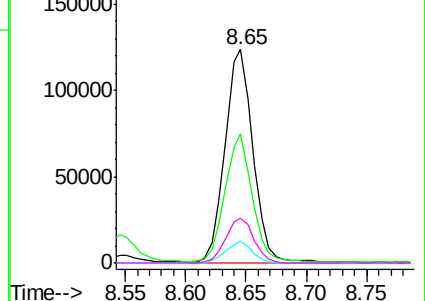


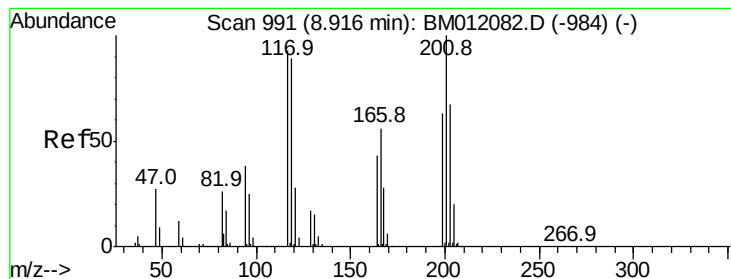
Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#17

Hexachloroethane

Concen: 1.465 ng/ul

RT: 8.94 min Scan# 995

Delta R.T. 0.02 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

Instrument :

BNA_M

ClientSampleId :

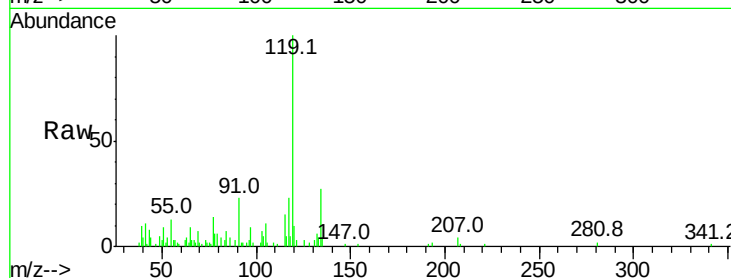
Tot Ion:117 Resp: 11509

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

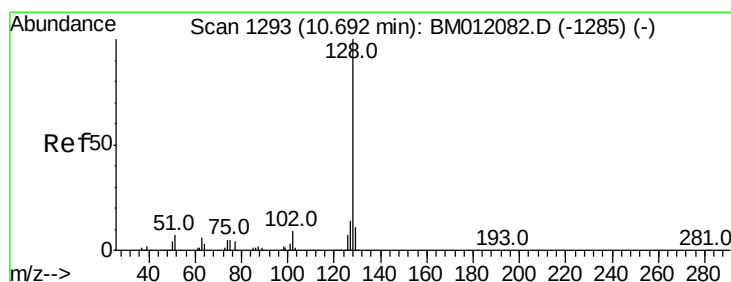
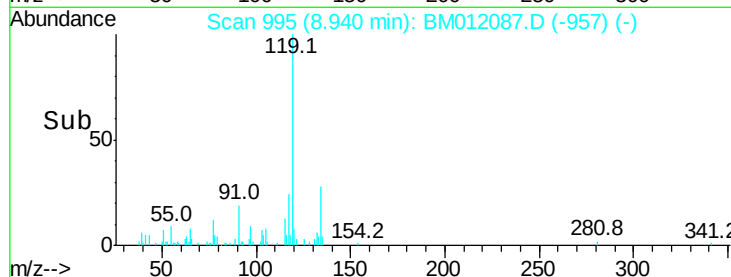
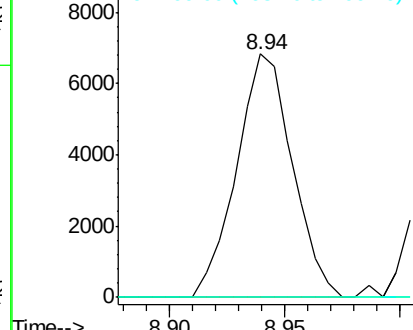
199 0.0 67.8 101.6#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#28

Naphthalene

Concen: 1.159 ng/ul

RT: 10.69 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

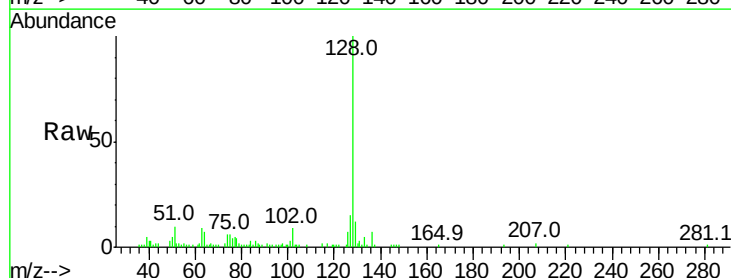
Tgt Ion:128 Resp: 70927

Ion Ratio Lower Upper

128 100

129 12.2 8.8 13.2

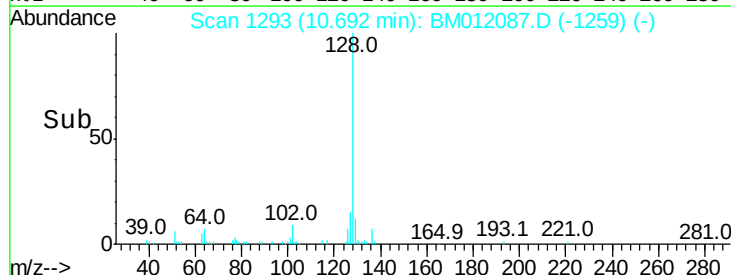
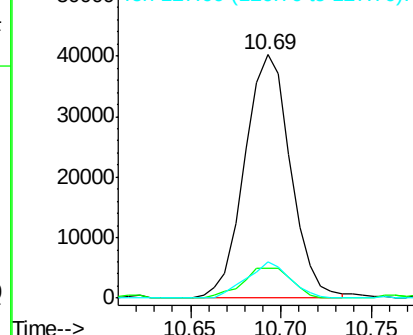
127 14.9 10.6 16.0

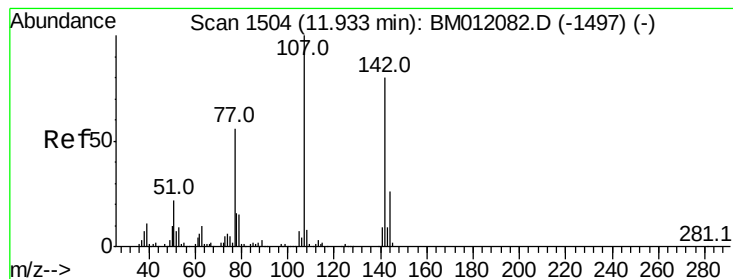


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#33

4-Chloro-3-methylphenol

Concen: 15.551 ng/ul

RT: 11.93 min Scan# 1503

Delta R.T. -0.01 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

Instrument :

BNA_M

ClientSampleId :

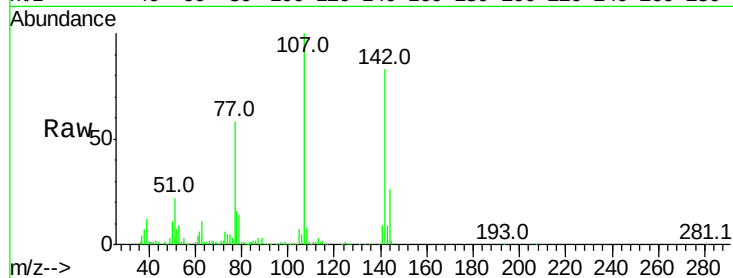
Tot Ion:107 Resp: 322642

Ion Ratio Lower Upper

107 100

144 26.1 20.4 30.6

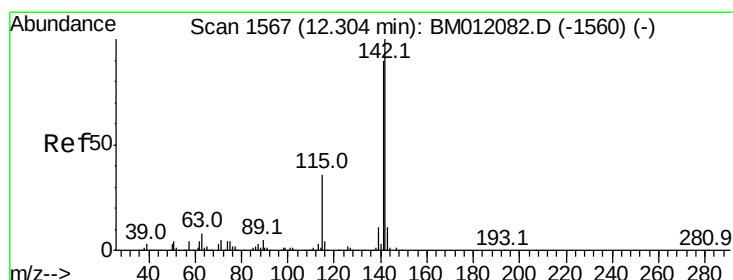
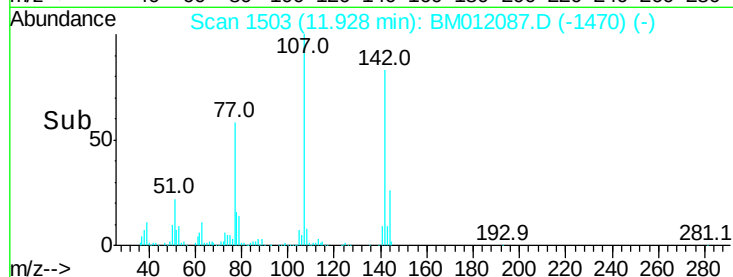
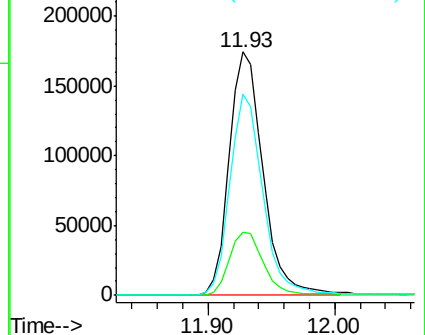
142 82.9 60.5 90.7



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#34

2-Methylnaphthalene

Concen: 1.089 ng/ul

RT: 12.30 min Scan# 1567

Delta R.T. 0.00 min

Lab File: BM012087.D

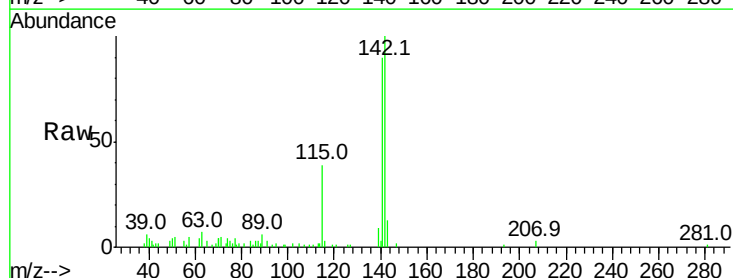
Acq: 12 Oct 2017 02:25

Tgt Ion:142 Resp: 50830

Ion Ratio Lower Upper

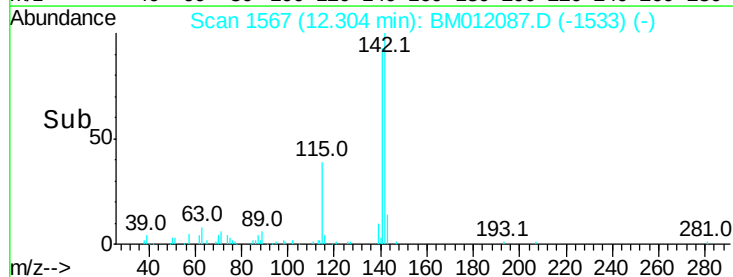
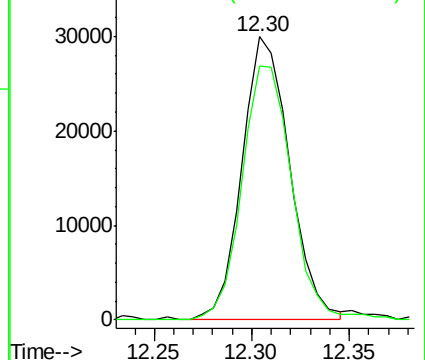
142 100

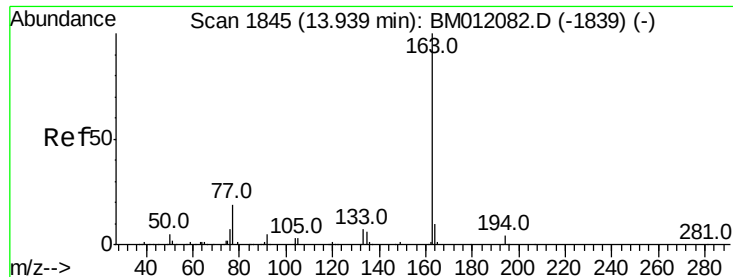
141 89.8 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 5.337 ng/ul

RT: 13.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

Instrument :

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ClientSampleId :

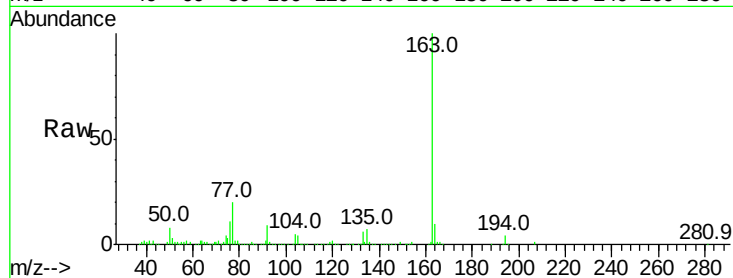
Tot Ion:163 Resp: 324362

Ion Ratio Lower Upper

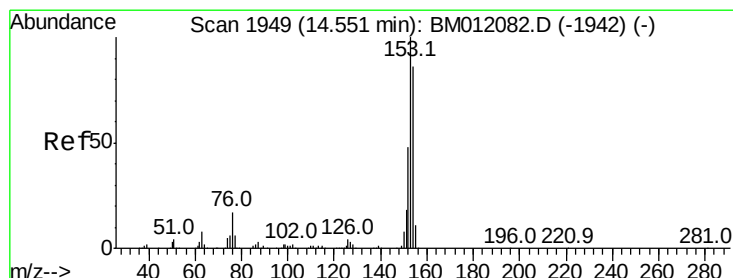
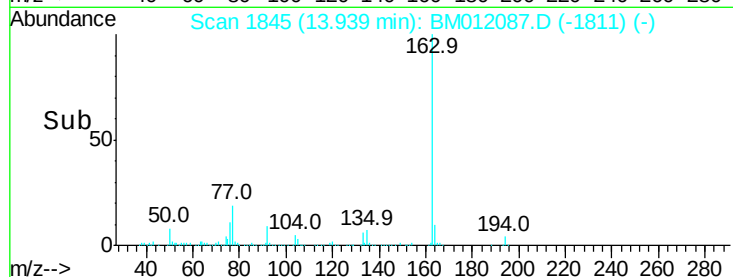
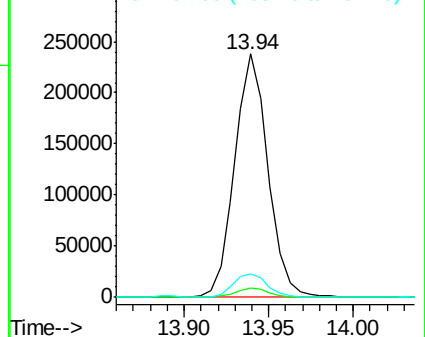
163 100

194 3.9 3.5 5.3

164 9.9 8.2 12.4



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



#49

Acenaphthene

Concen: 13.685 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

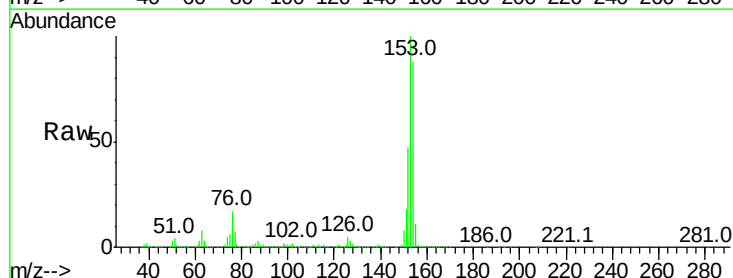
Tgt Ion:153 Resp: 681670

Ion Ratio Lower Upper

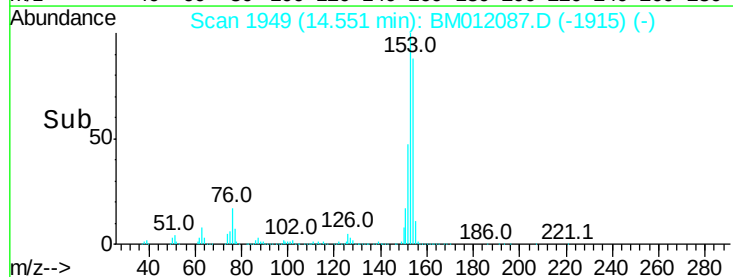
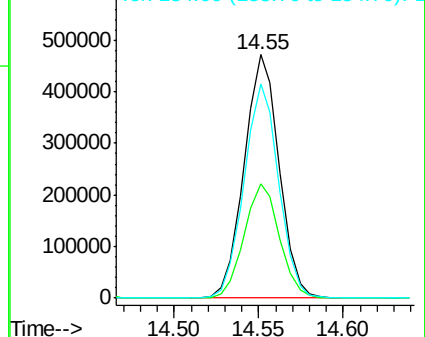
153 100

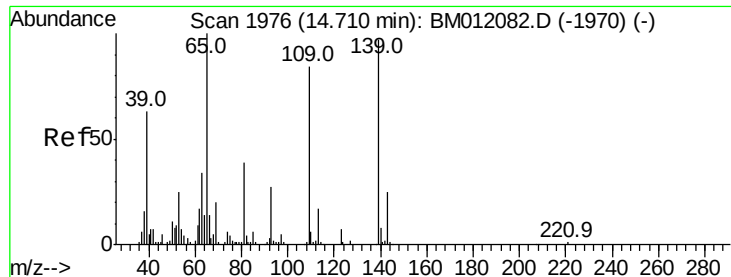
152 46.8 37.6 56.4

154 87.8 70.4 105.6



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: 11.065 ng/ul

RT: 14.71 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

Instrument :

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ClientSampleId :

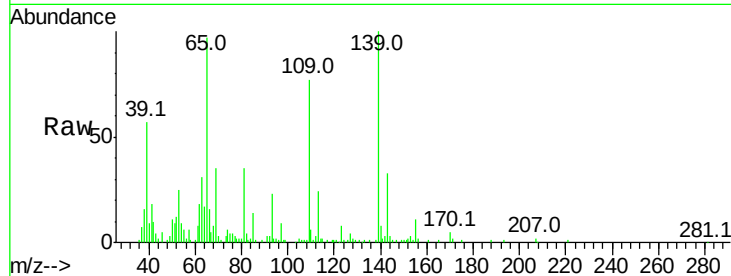
Tot Ion:109 Resp: 97611

Ion Ratio Lower Upper

109 100

139 130.2 80.0 120.0#

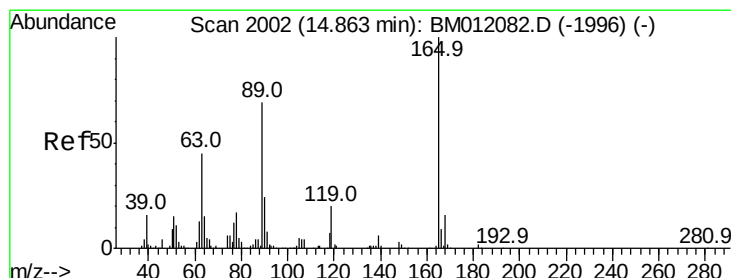
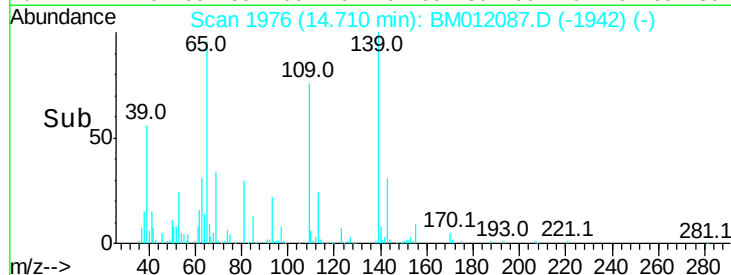
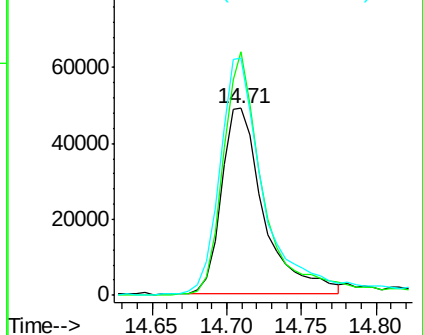
65 126.8 120.0 180.0



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: 12.737 ng/ul

RT: 14.86 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

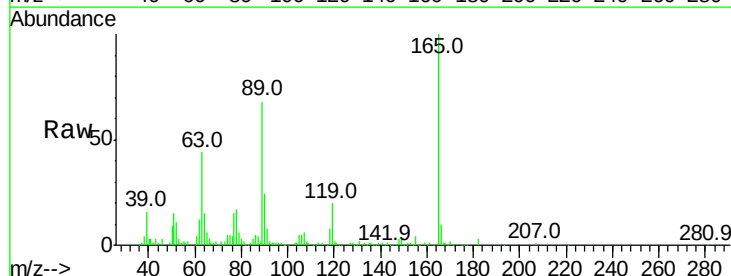
Tgt Ion:165 Resp: 215810

Ion Ratio Lower Upper

165 100

63 43.9 45.8 68.8#

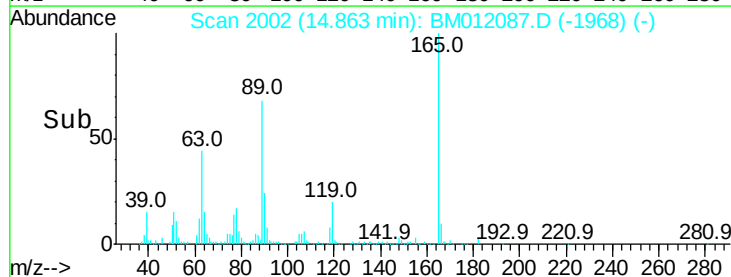
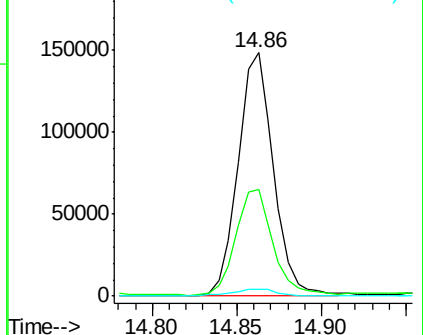
182 2.7 2.6 4.0

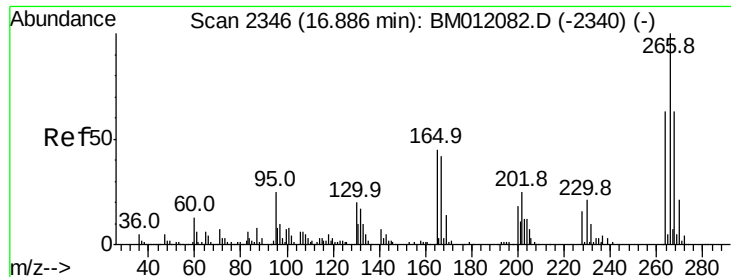


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E

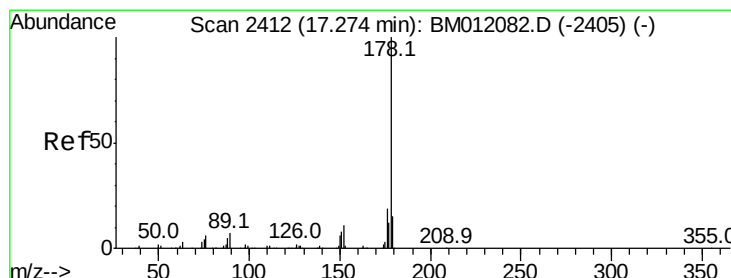
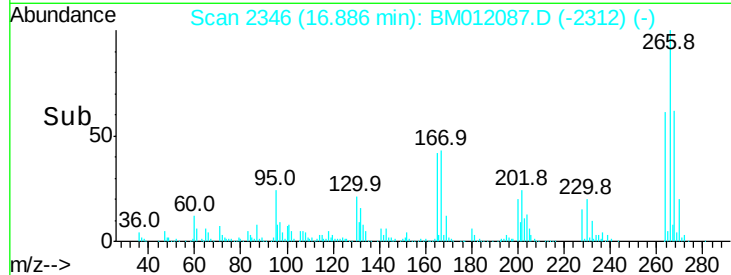
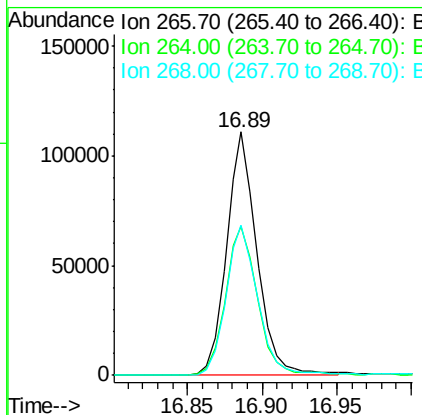
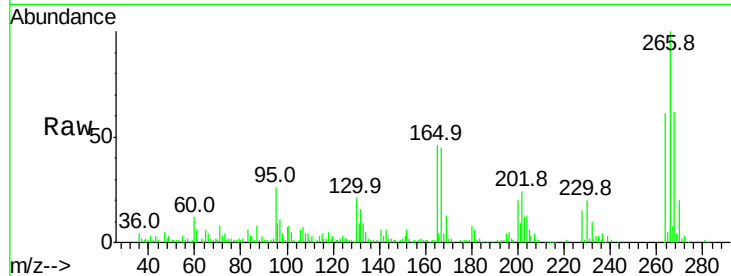




#68
 Pentachlorophenol
 Concen: 12.701 ng/ul
 RT: 16.89 min Scan# 2346
 Delta R.T. 0.00 min
 Lab File: BM012087.D
 Acq: 12 Oct 2017 02:25

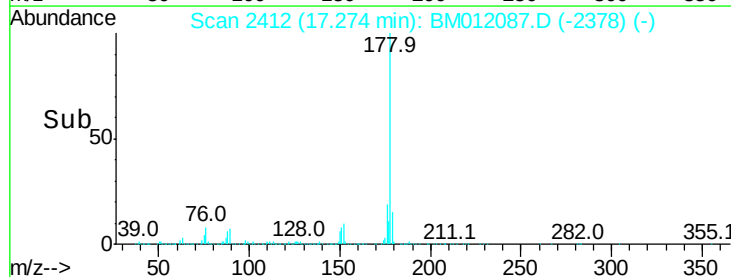
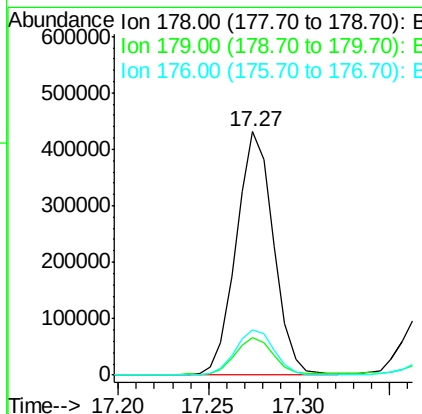
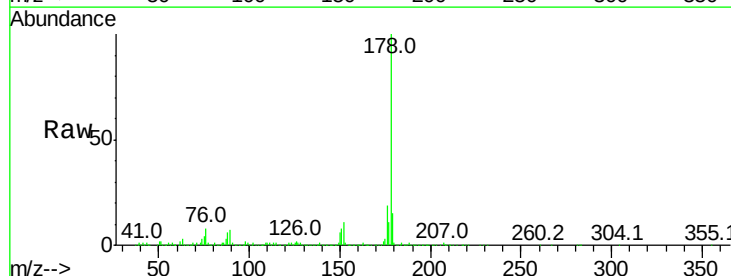
Instrument :
 BNA_M
 ClientSampleId :

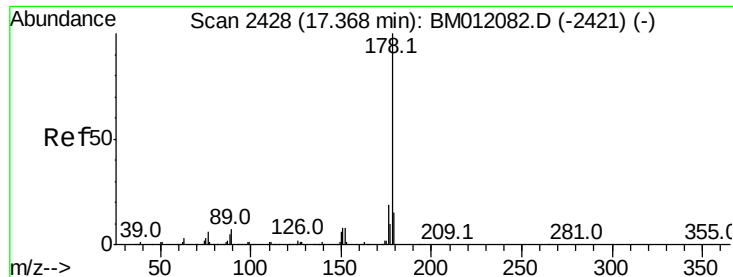
Tot Ion	Ratio	Lower	Upper
266	100		
264	61.3	49.3	73.9
268	61.6	52.6	78.8



#69
 Phenanthrene
 Concen: 7.045 ng/ul
 RT: 17.27 min Scan# 2412
 Delta R.T. 0.00 min
 Lab File: BM012087.D
 Acq: 12 Oct 2017 02:25

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0
176	18.8	14.9	22.3





#71

Anthracene

Concen: 1.631 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

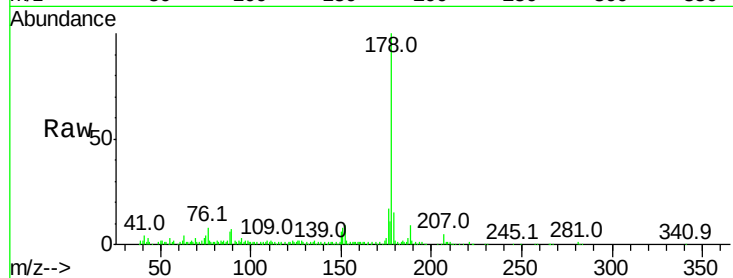
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 144411

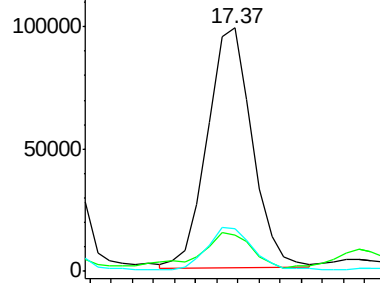
Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.7	17.5
176	17.4	14.6	21.8



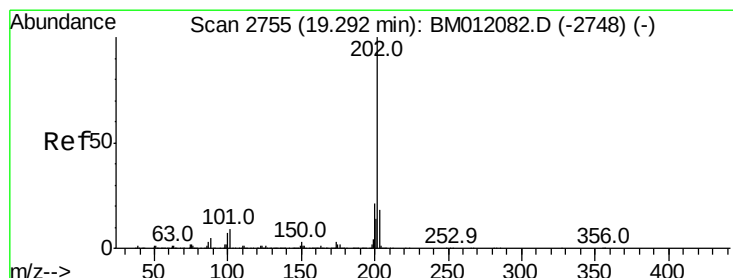
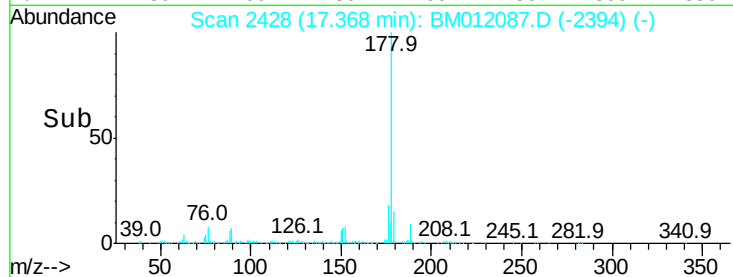
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.30 17.35 17.40



#74

Fluoranthene

Concen: 13.511 ng/ul

RT: 19.29 min Scan# 2755

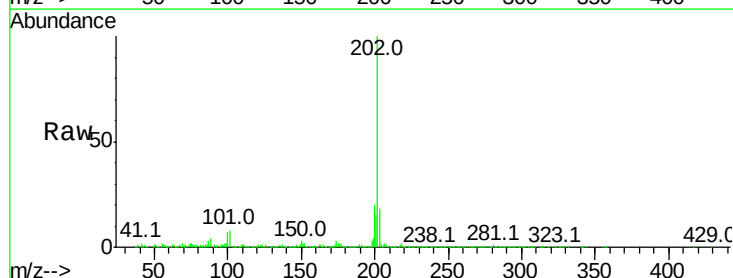
Delta R.T. 0.00 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

Tgt Ion:202 Resp: 1434769

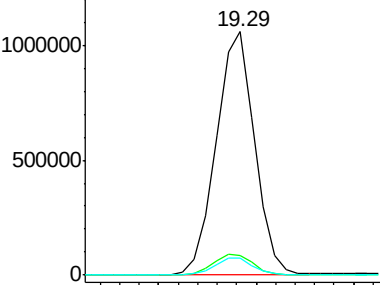
Ion	Ratio	Lower	Upper
202	100		
101	8.3	4.6	7.0#
100	6.8	3.4	5.2#



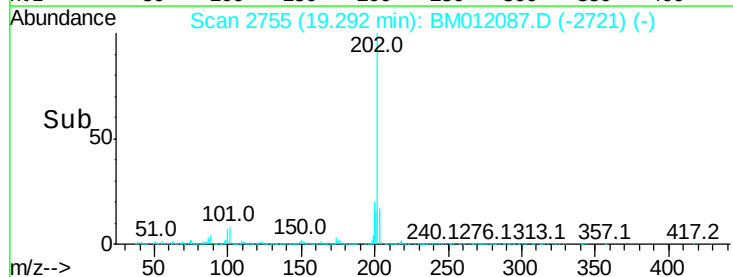
Abundance Ion 202.00 (201.70 to 202.70): E

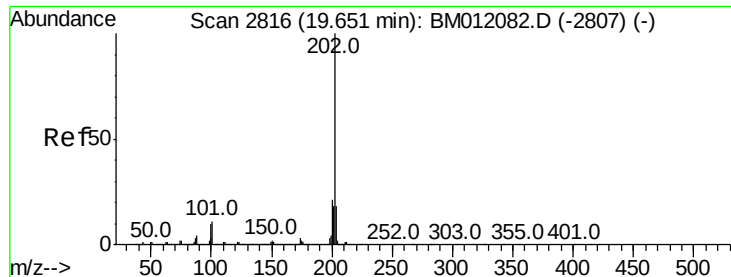
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.25 19.30 19.35





#77

Pvrene

Concen: 32.370 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. 0.01 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

Instrument :

BNA_M

ClientSampleId :

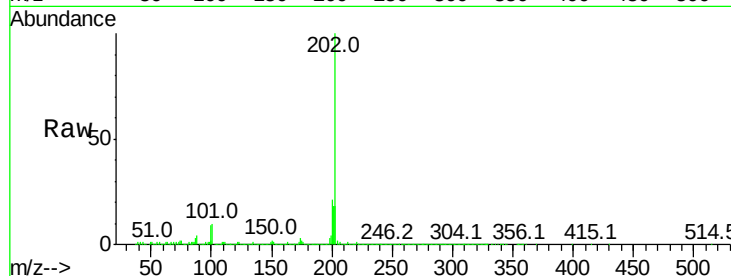
Tot Ion:202 Resp: 2422269

Ion	Ratio	Lower	Upper
202	100		
101	9.9	5.1	7.7#
100	8.6	4.9	7.3#

202 100

101 9.9 5.1 7.7#

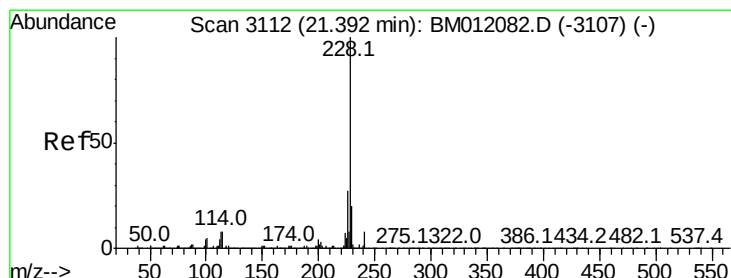
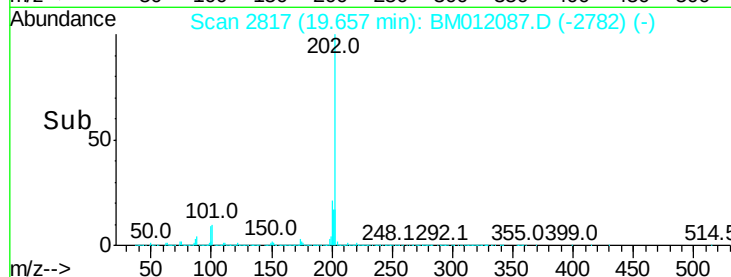
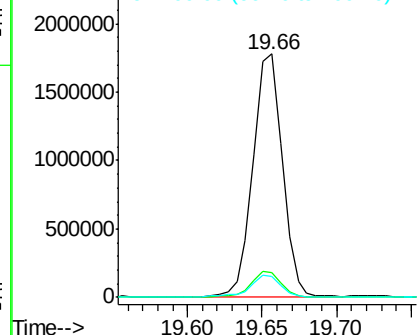
100 8.6 4.9 7.3#



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: 8.472 ng/ul

RT: 21.39 min Scan# 3112

Delta R.T. 0.00 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

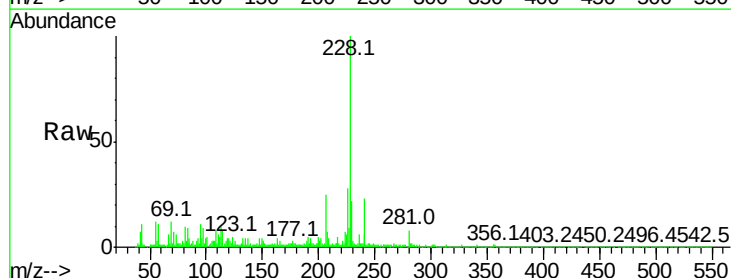
Tgt Ion:228 Resp: 655004

Ion	Ratio	Lower	Upper
228	100		
229	22.0	15.4	23.0
226	28.0	21.4	32.0

228 100

229 22.0 15.4 23.0

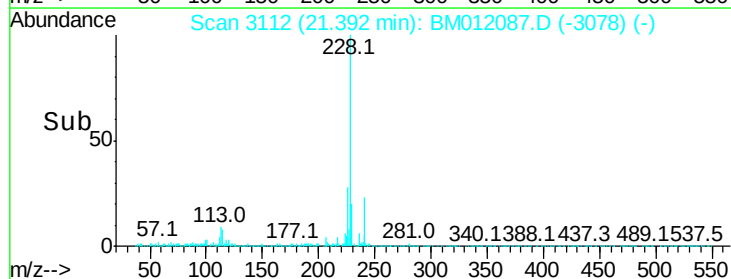
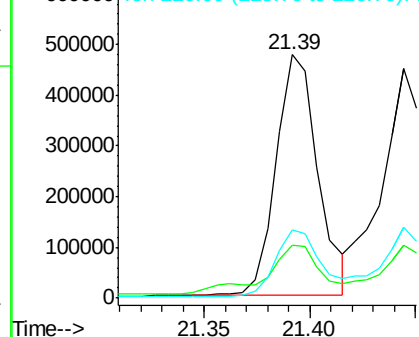
226 28.0 21.4 32.0

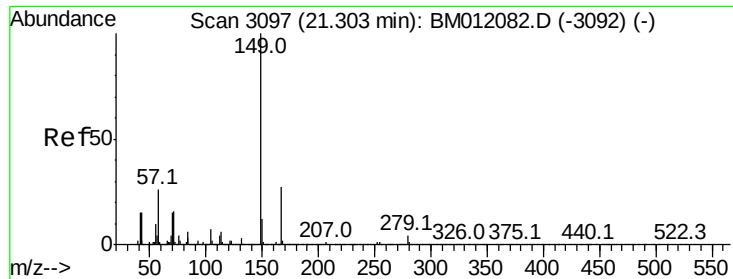


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

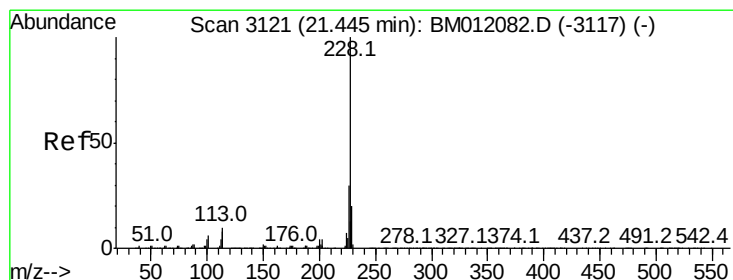
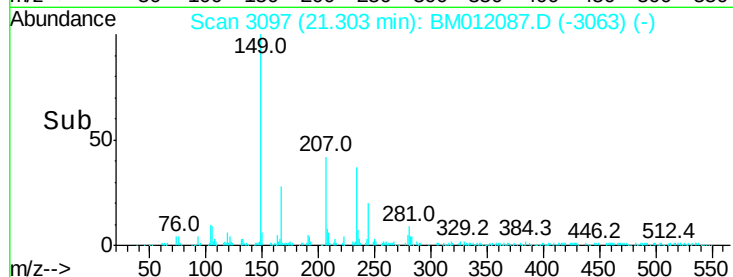
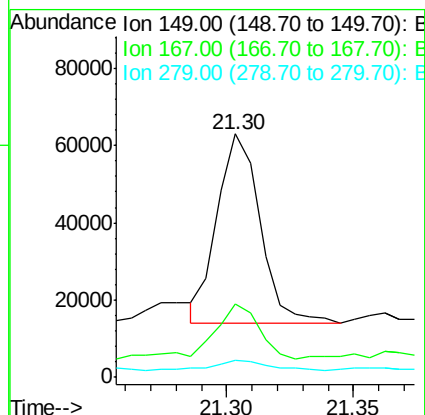
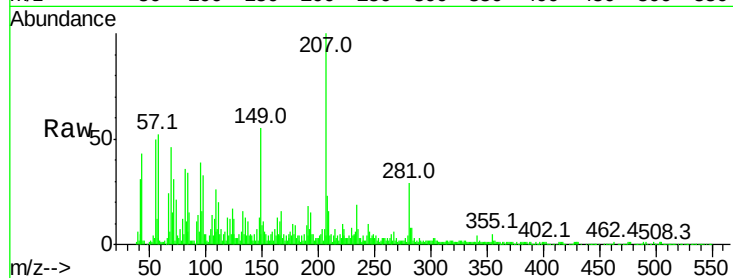




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 1.315 ng/ul
 RT: 21.30 min Scan# 3097
 Delta R.T. 0.00 min
 Lab File: BM012087.D
 Acq: 12 Oct 2017 02:25

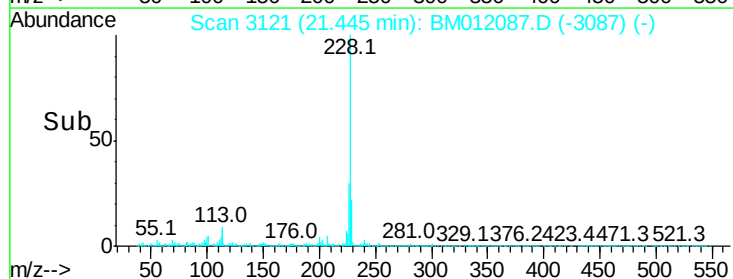
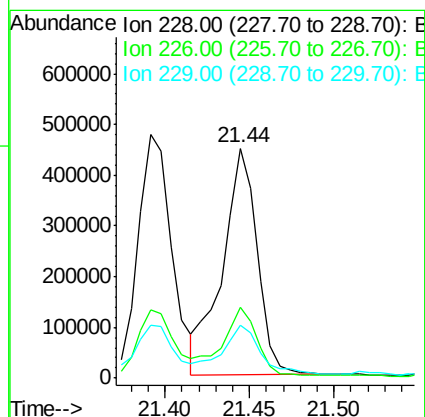
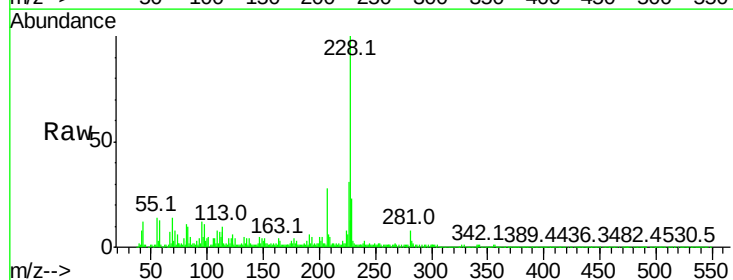
Instrument :
 BNA_M
 ClientSampleId :

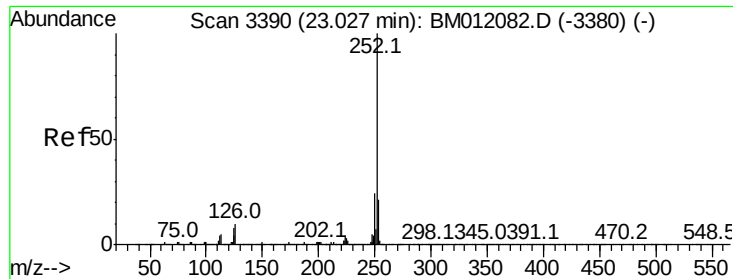
Tot Ion:149 Resp: 57336
 Ion Ratio Lower Upper
 149 100
 167 30.0 22.8 34.2
 279 7.2 4.9 7.3



#82
 Chrysene
 Concen: 8.719 ng/ul
 RT: 21.44 min Scan# 3121
 Delta R.T. 0.00 min
 Lab File: BM012087.D
 Acq: 12 Oct 2017 02:25

Tgt Ion:228 Resp: 640472
 Ion Ratio Lower Upper
 228 100
 226 30.9 23.4 35.2
 229 23.2 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 10.511 ng/ul

RT: 23.03 min Scan# 3390

Delta R.T. 0.00 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

Instrument :

BNA_M

ClientSampleId :

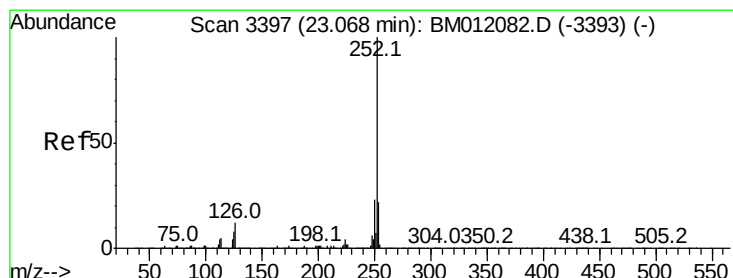
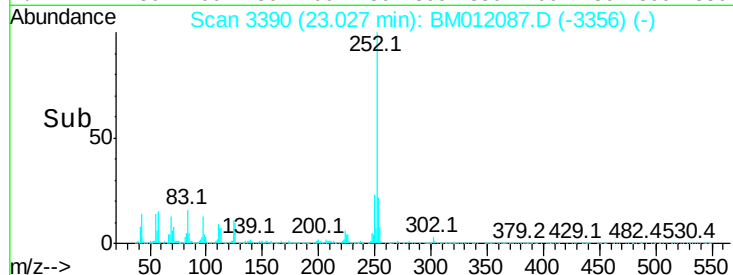
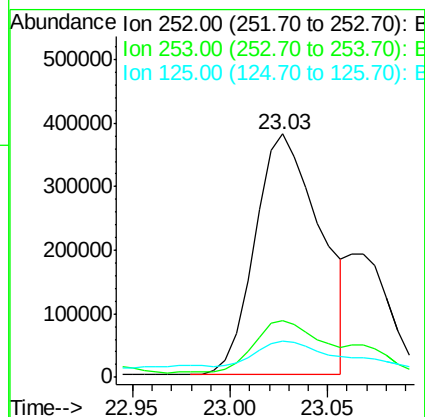
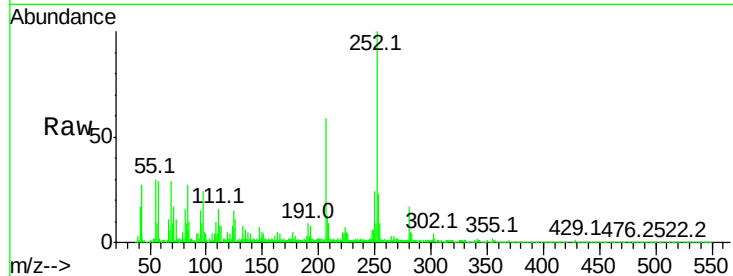
Tot Ion:252 Resp: 875805

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

125 14.9 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 10.528 ng/ul

RT: 23.03 min Scan# 3390

Delta R.T. -0.04 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

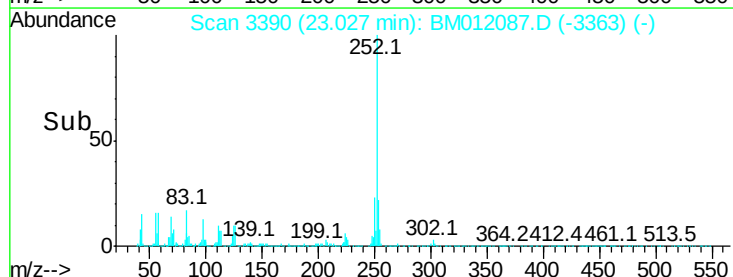
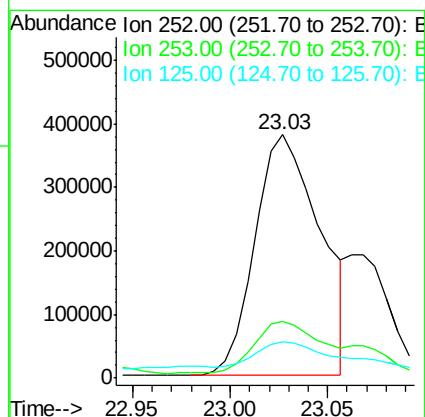
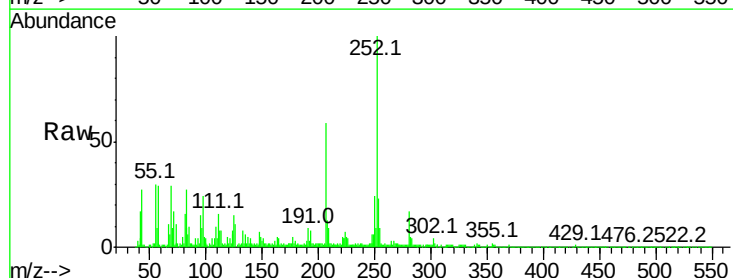
Tgt Ion:252 Resp: 875805

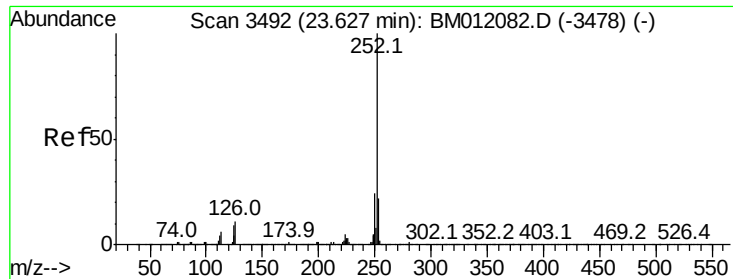
Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

125 14.9 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 6.939 ng/ul

RT: 23.63 min Scan# 3492

Delta R.T. 0.00 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

Instrument :

BNA_M

ClientSampleId :

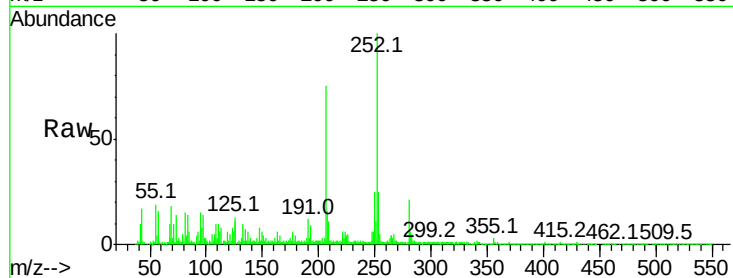
Tot Ion:252 Resp: 555585

Ion Ratio Lower Upper

252 100

253 24.7 18.2 27.2

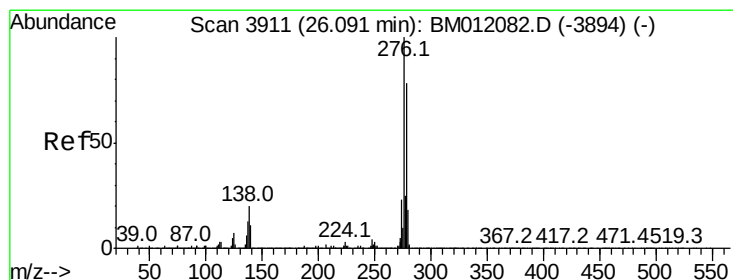
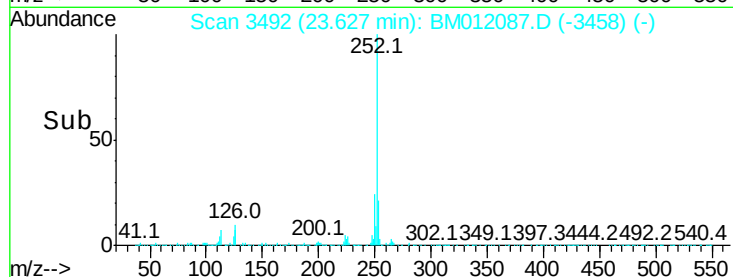
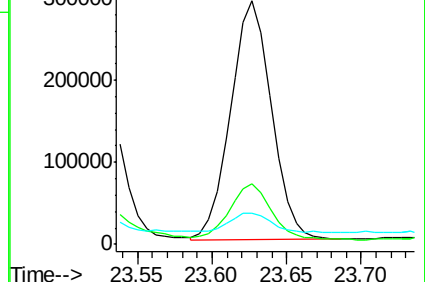
125 12.6 4.0 6.0#



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: 5.244 ng/ul

RT: 26.09 min Scan# 3911

Delta R.T. 0.00 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

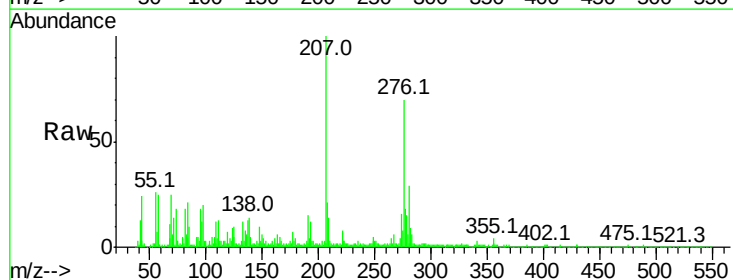
Tgt Ion:276 Resp: 449327

Ion Ratio Lower Upper

276 100

138 20.0 9.3 13.9#

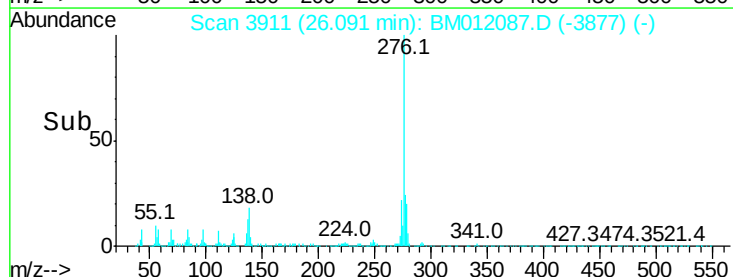
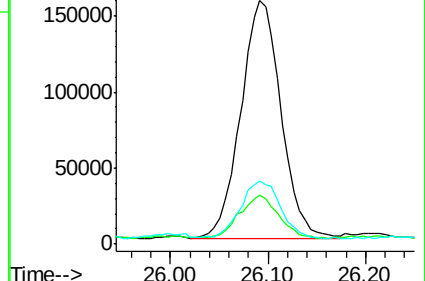
277 25.9 19.9 29.9

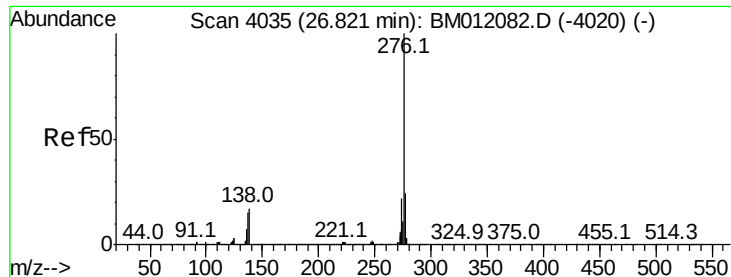


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(a,h,i)perylene

Concen: 4.785 ng/ul

RT: 26.81 min Scan# 4034

Delta R.T. -0.01 min

Lab File: BM012087.D

Acq: 12 Oct 2017 02:25

Instrument :

BNA_M

ClientSampleId :

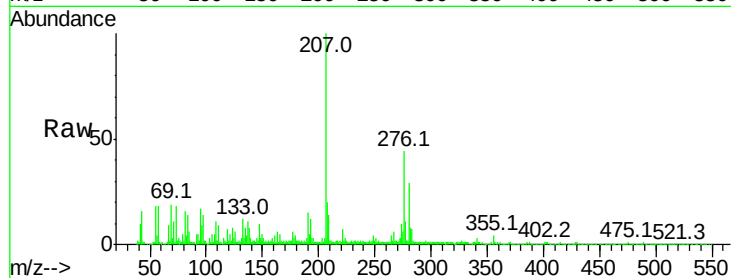
Tot Ion:276 Resp: 339122

Ion Ratio Lower Upper

276 100

138 18.0 8.5 12.7#

277 25.3 18.6 28.0



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

