

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
 Data File : BM012591.D
 Acq On : 31 Oct 2017 01:48
 Operator : SJ/JU
 Sample : I5886-09MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 31 04:52:15 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 31 04:46:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	352247	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1296417	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	734181	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1659904	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	1982718	20.00	ng/ul	0.00
83) Perylene-d12	23.69	264	2269132	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.35	96	41479	6.01	ng/uL	0.00
5) Phenol-d5	7.02	99	761789	25.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	465375	26.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	622579	28.25	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	606411	24.11	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	292110	35.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	325479	38.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	621593	28.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.78	131	384467	16.46	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1765333	27.52	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	2213506	29.18	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	264045	27.69	ng/ul	0.00
57) Fluorene-d10	15.47	176	1539975	28.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	246613	30.70	ng/ul	0.00
70) Anthracene-d10	17.33	188	2292155	28.98	ng/ul	0.00
76) Pyrene-d10	19.62	212	2593590	28.51	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.55	264	2956722	27.43	ng/ul	0.00

Target Compounds

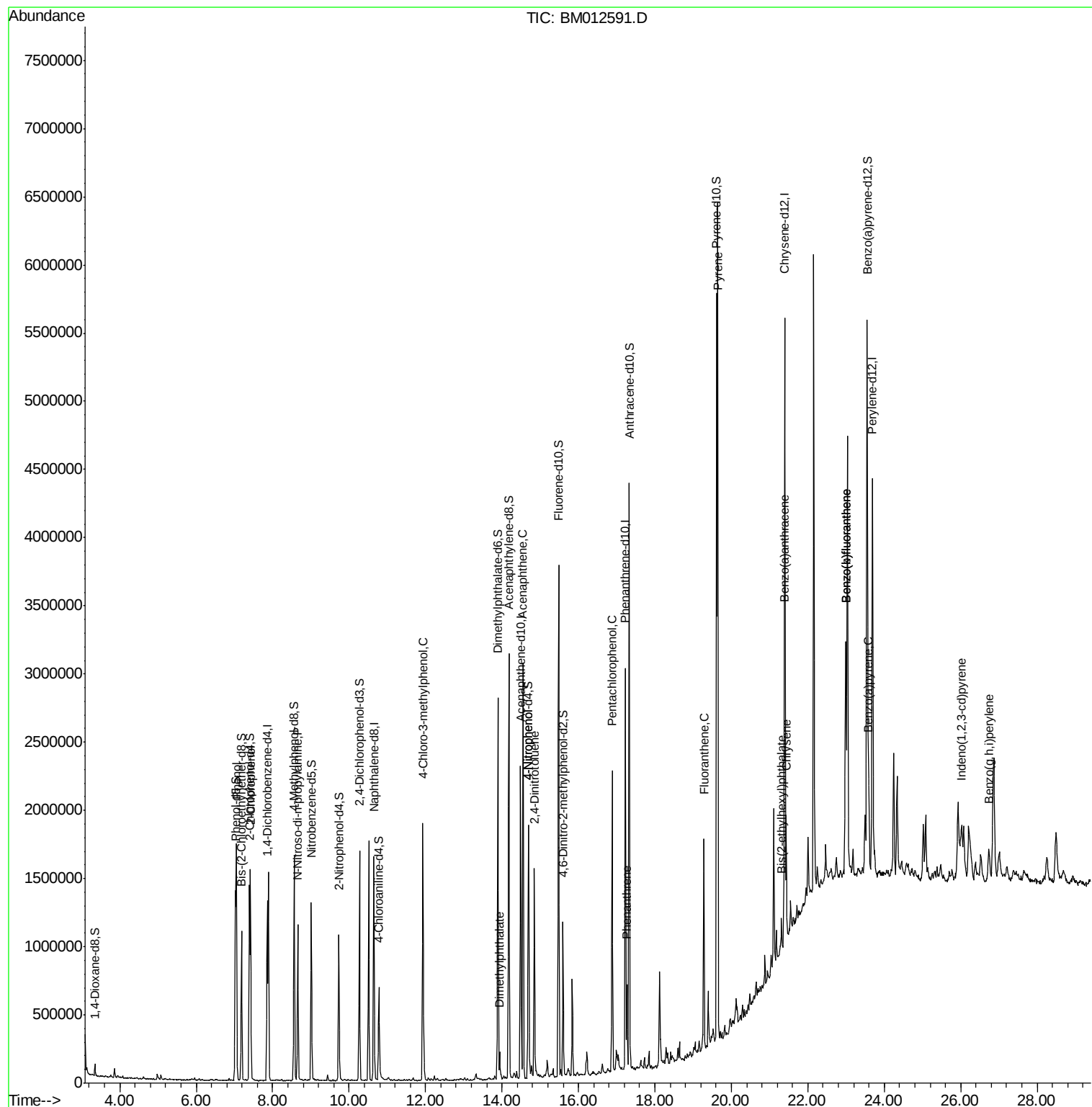
						Ovalue
6) Phenol	7.05	94	892133	29.12	ng/ul#	81
10) 2-Chlorophenol	7.42	128	623684	27.65	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.66	70	418053	19.39	ng/ul#	62
33) 4-Chloro-3-methylphenol	11.93	107	620359	25.54	ng/ul	95
44) Dimethylphthalate	13.94	163	110486	1.74	ng/ul#	99
49) Acenaphthene	14.55	153	1240688	25.02	ng/ul	99
52) 4-Nitrophenol	14.70	109	244311	25.26	ng/ul#	81
54) 2,4-Dinitrotoluene	14.85	165	432555	28.65	ng/ul#	78
68) Pentachlorophenol	16.88	266	384359	31.95	ng/ul	96
69) Phenanthrene	17.27	178	352345	3.93	ng/ul	100
74) Fluoranthene	19.28	202	884316	8.69	ng/ul#	91
77) Pyrene	19.64	202	3570808	31.67	ng/ul#	92
80) Benzo(a)anthracene	21.38	228	400401	3.37	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.32	149	75459	1.12	ng/ul	99
82) Chrysene	21.43	228	488975	4.63	ng/ul	97
85) Benzo(b)fluoranthene	23.00	252	762050	5.43	ng/ul#	98
86) Benzo(k)fluoranthene	23.00	252	762050	5.77	ng/ul#	96
88) Benzo(a)pyrene	23.60	252	447263	3.34	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.02	276	400498	2.54	ng/ul	98
91) Benzo(g,h,i)perylene	26.74	276	314850	2.47	ng/ul#	95

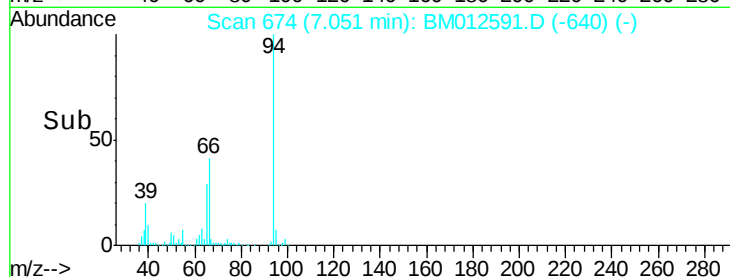
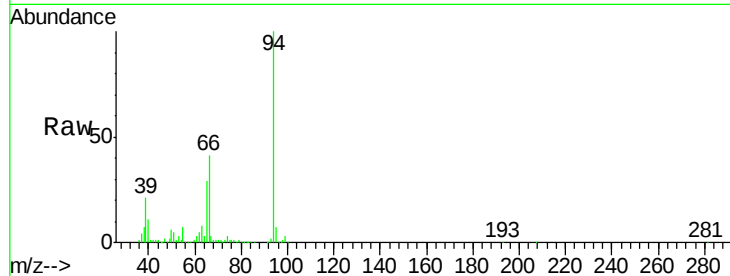
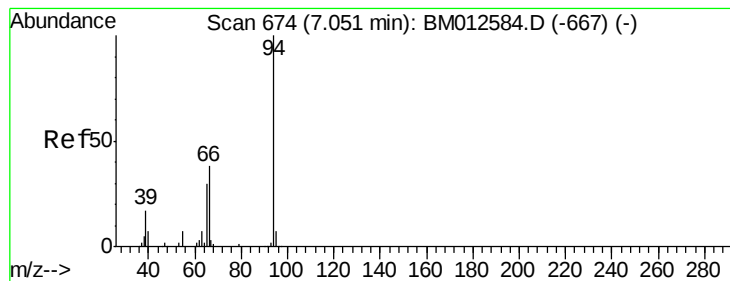
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 31 04:46:13 2017
Response via : Initial Calibration





#6

Phenol

Concen: 29.12 ng/ul

RT: 7.05 min Scan# 674

Delta R.T. 0.00 min

Lab File: BM012591.D

Acq: 31 Oct 2017 01:48

Instrument :

BNA_M

ClientSampleId :

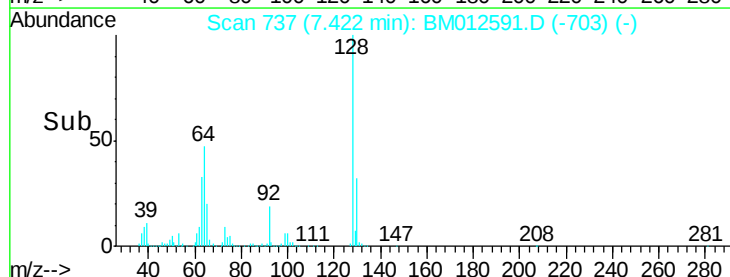
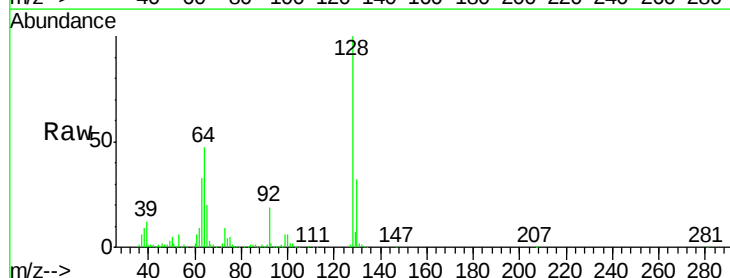
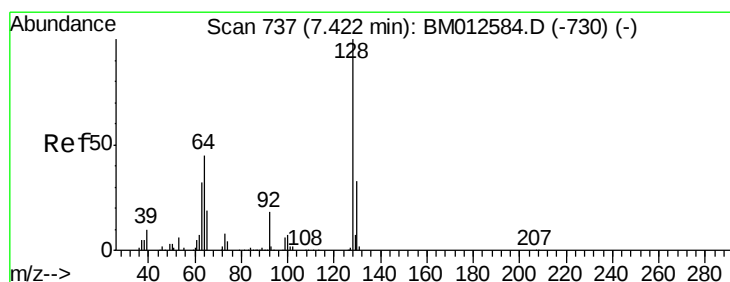
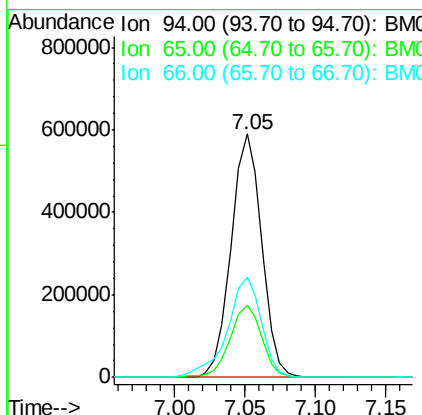
Tot Ion: 94 Resp: 892133

Ion Ratio Lower Upper

94 100

65 29.5 28.2 42.4

66 41.1 47.2 70.8#



#10

2-Chlorophenol

Concen: 27.65 ng/ul

RT: 7.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BM012591.D

Acq: 31 Oct 2017 01:48

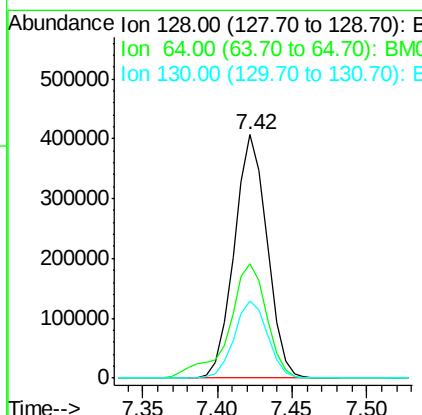
Tgt Ion: 128 Resp: 623684

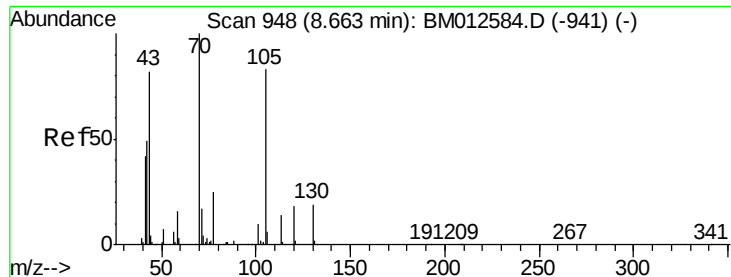
Ion Ratio Lower Upper

128 100

64 47.0 38.0 57.0

130 31.6 24.4 36.6

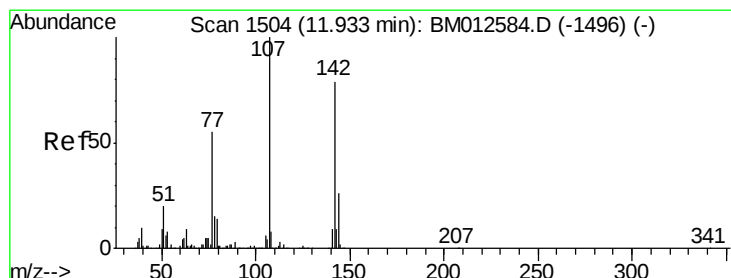
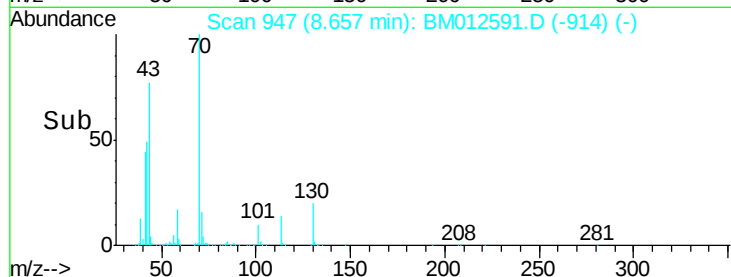
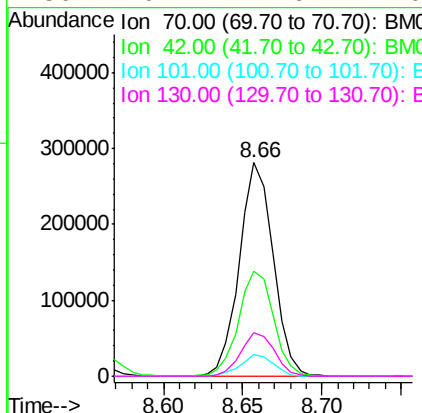
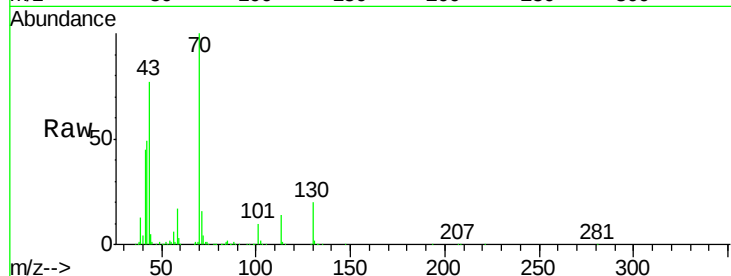




#15
N-Nitroso-di-n-propylamine
Concen: 19.39 ng/ul
RT: 8.66 min Scan# 947
Delta R.T. -0.01 min
Lab File: BM012591.D
Acq: 31 Oct 2017 01:48

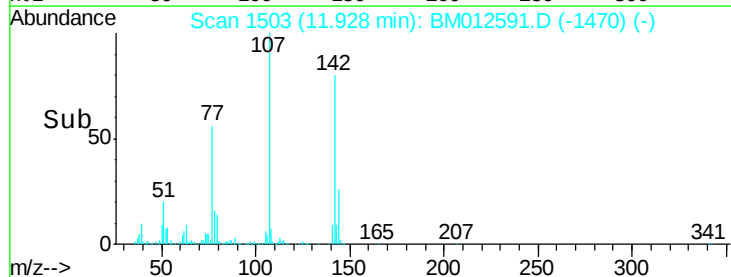
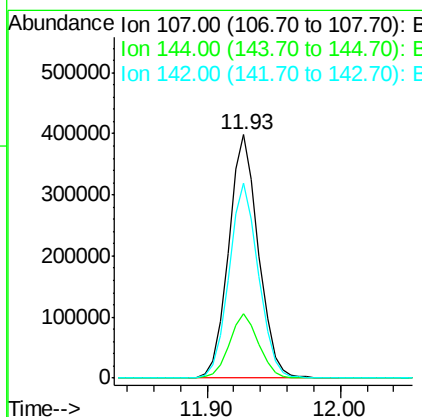
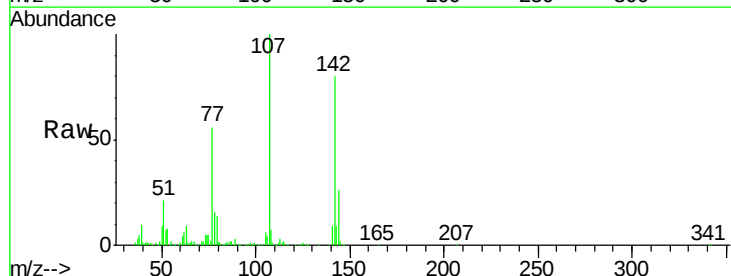
Instrument :
BNA_M
ClientSampleId :

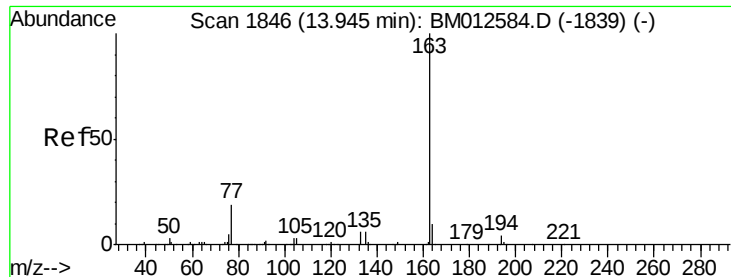
Tot Ion: 70 Resp: 418053
Ion Ratio Lower Upper
70 100
42 49.1 76.0 114.0#
101 10.1 6.7 10.1#
130 20.2 14.6 22.0



#33
4-Chloro-3-methylphenol
Concen: 25.54 ng/ul
RT: 11.93 min Scan# 1503
Delta R.T. -0.01 min
Lab File: BM012591.D
Acq: 31 Oct 2017 01:48

Tgt Ion: 107 Resp: 620359
Ion Ratio Lower Upper
107 100
144 26.4 20.4 30.6
142 80.3 60.5 90.7

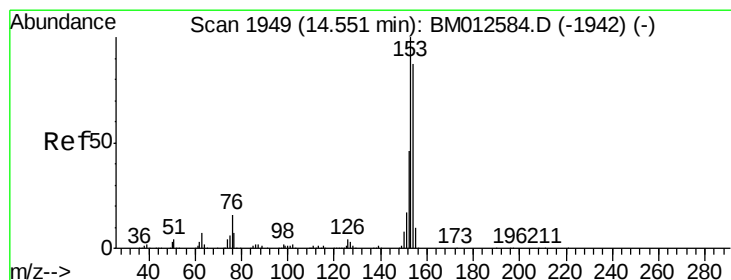
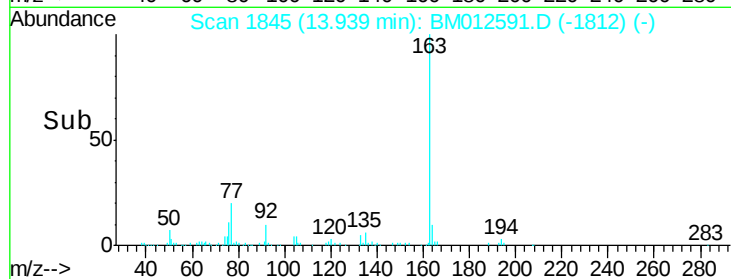
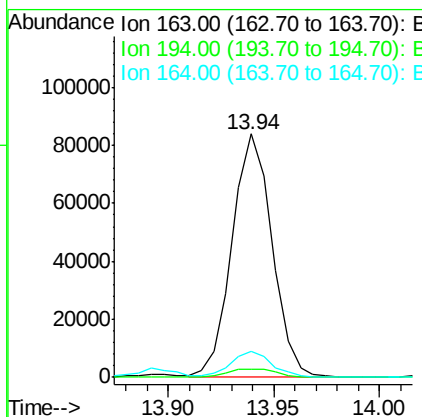
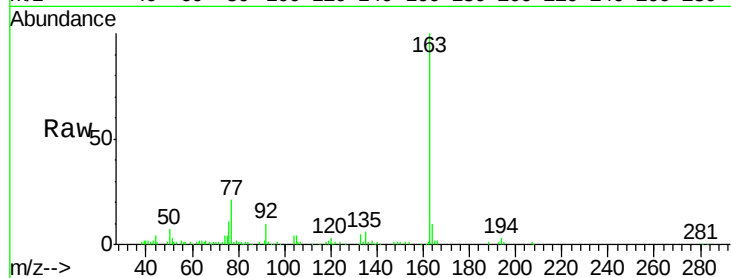




#44
 Dimethylphthalate
 Concen: 1.74 ng/ul
 RT: 13.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BM012591.D
 Acq: 31 Oct 2017 01:48

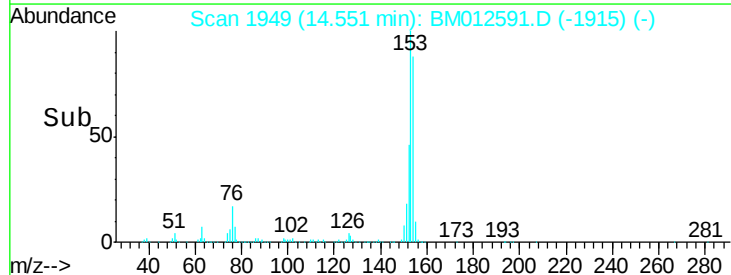
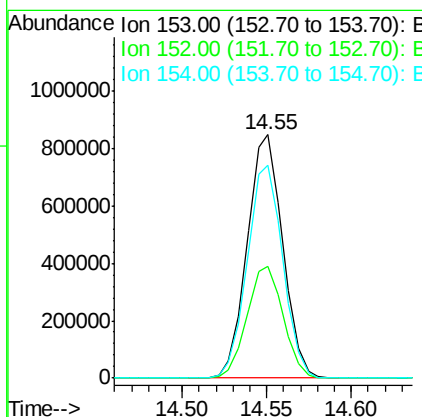
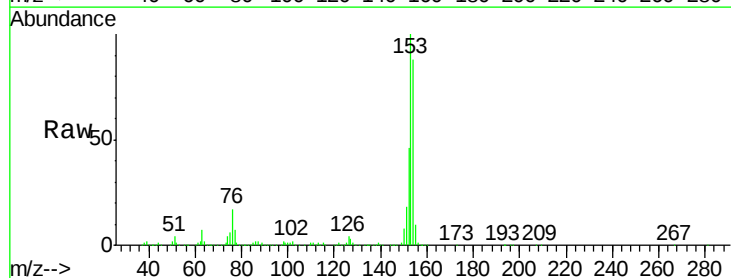
Instrument :
 BNA_M
 ClientSampleId :

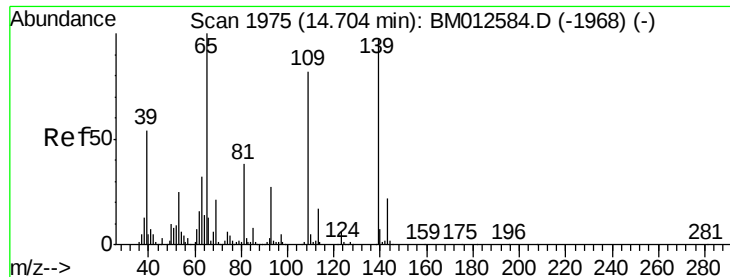
Tot Ion:163 Resp: 110486
 Ion Ratio Lower Upper
 163 100
 194 3.5 3.5 5.3#
 164 10.5 8.2 12.4



#49
 Acenaphthene
 Concen: 25.02 ng/ul
 RT: 14.55 min Scan# 1949
 Delta R.T. 0.00 min
 Lab File: BM012591.D
 Acq: 31 Oct 2017 01:48

Tgt Ion:153 Resp: 1240688
 Ion Ratio Lower Upper
 153 100
 152 45.8 37.6 56.4
 154 87.7 70.4 105.6





#52

4-Nitrophenol

Concen: 25.26 ng/ul

RT: 14.70 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BM012591.D

Acq: 31 Oct 2017 01:48

Instrument :

BNA_M

ClientSampleId :

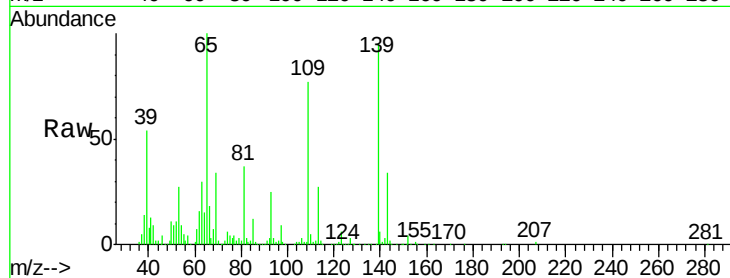
Tot Ion:109 Resp: 244311

Ion Ratio Lower Upper

109 100

139 123.0 80.0 120.0#

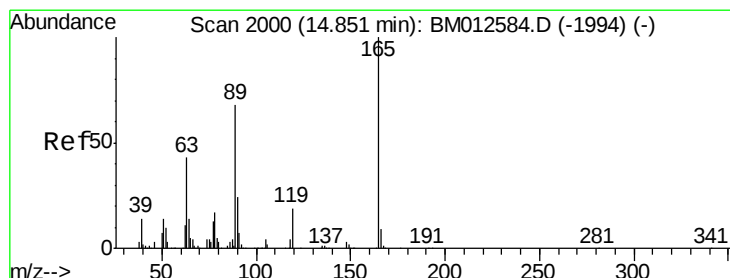
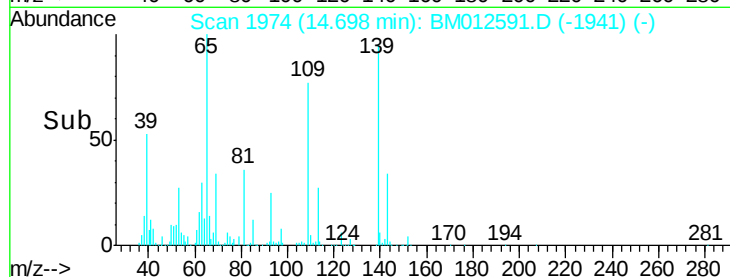
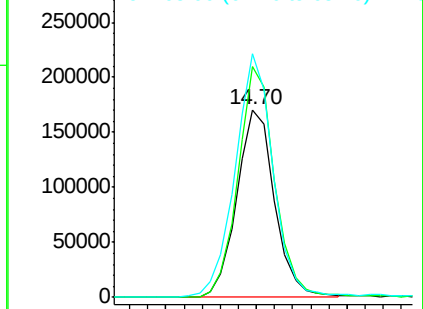
65 129.9 120.0 180.0



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): E



#54

2,4-Dinitrotoluene

Concen: 28.65 ng/ul

RT: 14.85 min Scan# 2000

Delta R.T. 0.00 min

Lab File: BM012591.D

Acq: 31 Oct 2017 01:48

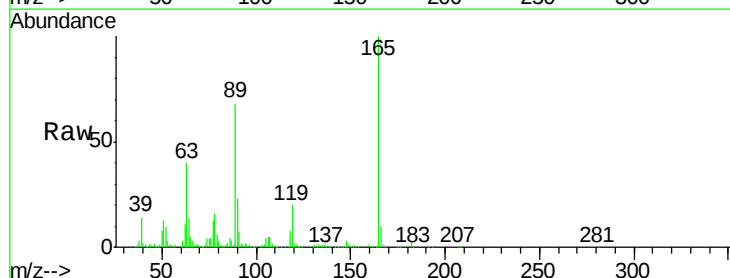
Tgt Ion:165 Resp: 432555

Ion Ratio Lower Upper

165 100

63 40.5 45.8 68.8#

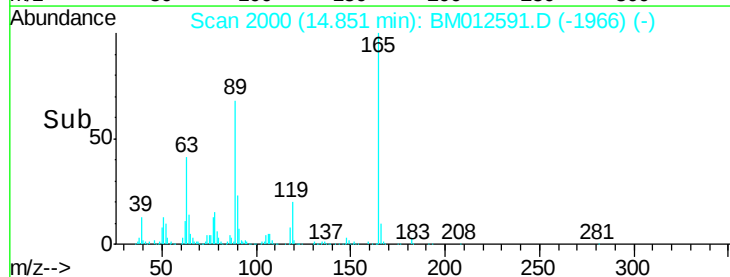
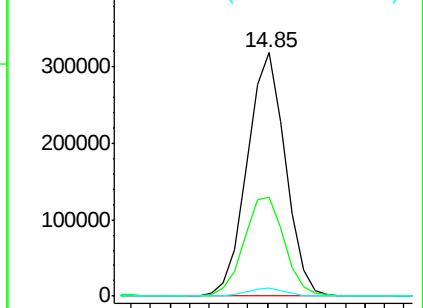
182 3.2 2.6 4.0

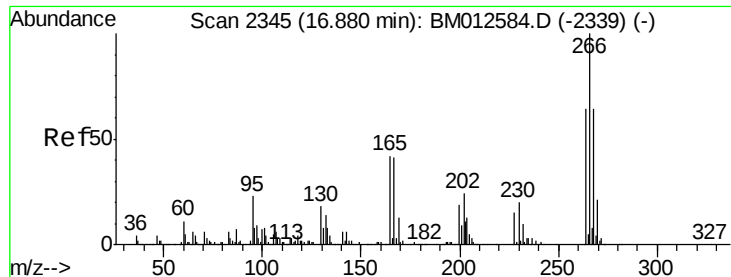


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 182.00 (181.70 to 182.70): E

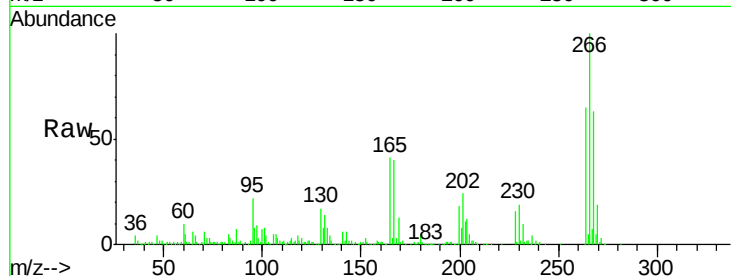




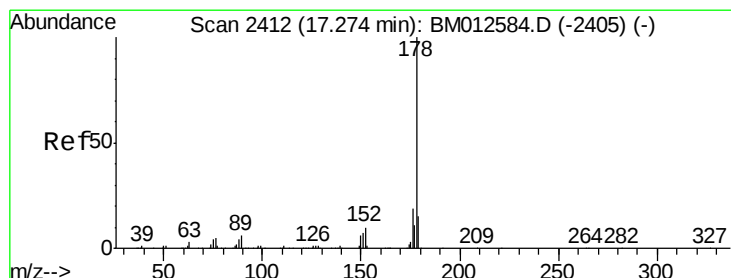
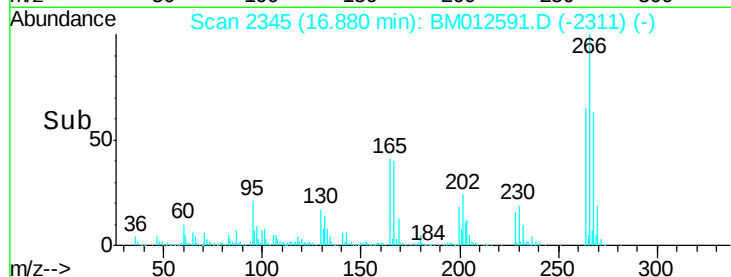
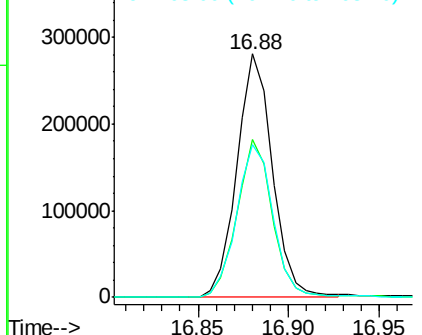
#68
 Pentachlorophenol
 Concen: 31.95 ng/ul
 RT: 16.88 min Scan# 2345
 Delta R.T. 0.00 min
 Lab File: BM012591.D
 Acq: 31 Oct 2017 01:48

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
264	64.7	49.3	73.9
268	62.5	52.6	78.8

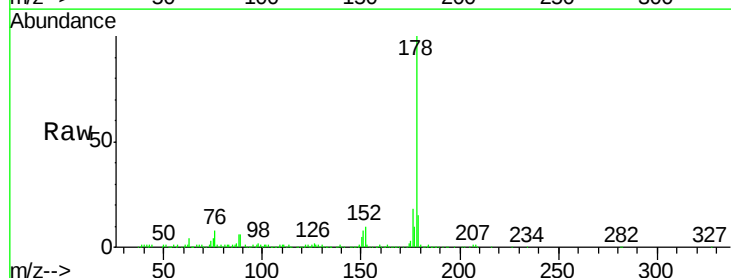


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

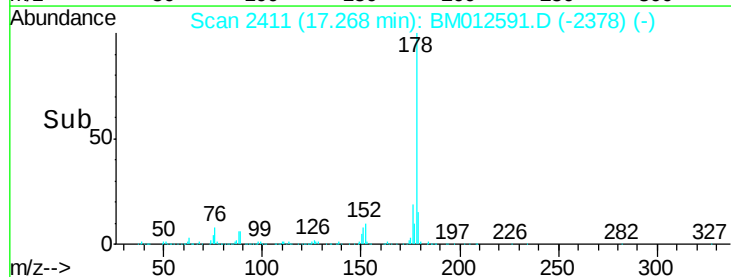
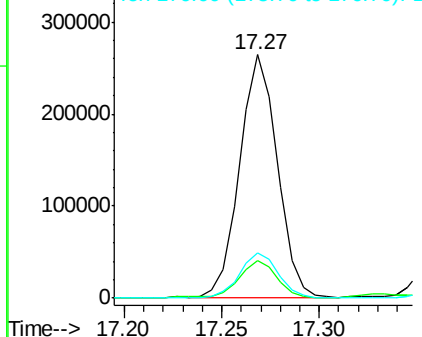


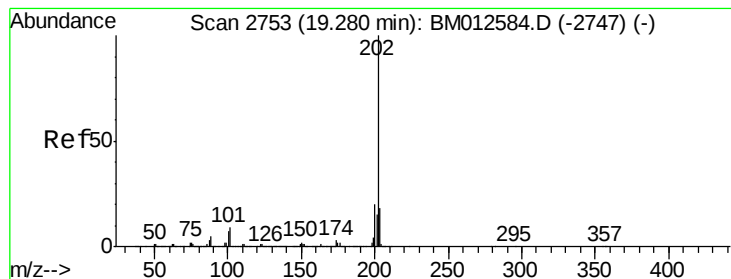
#69
 Phenanthrene
 Concen: 3.93 ng/ul
 RT: 17.27 min Scan# 2411
 Delta R.T. -0.01 min
 Lab File: BM012591.D
 Acq: 31 Oct 2017 01:48

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	19.0
176	18.5	14.9	22.3



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: 8.69 ng/ul

RT: 19.28 min Scan# 2753

Delta R.T. 0.00 min

Lab File: BM012591.D

Acq: 31 Oct 2017 01:48

Instrument :

BNA_M

ClientSampleId :

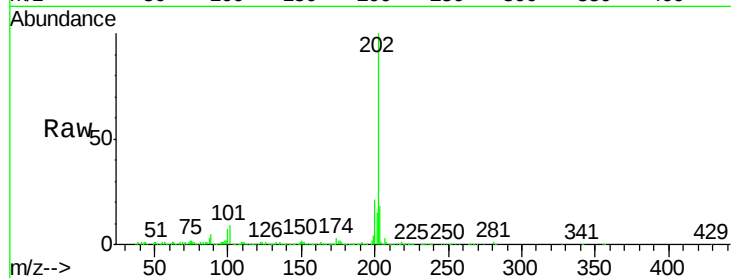
Tot Ion:202 Resp: 884316

Ion Ratio Lower Upper

202 100

101 8.8 4.6 7.0#

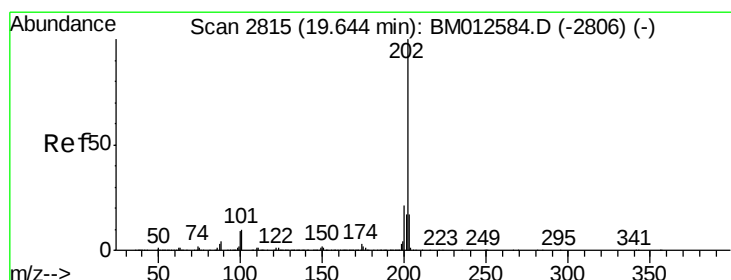
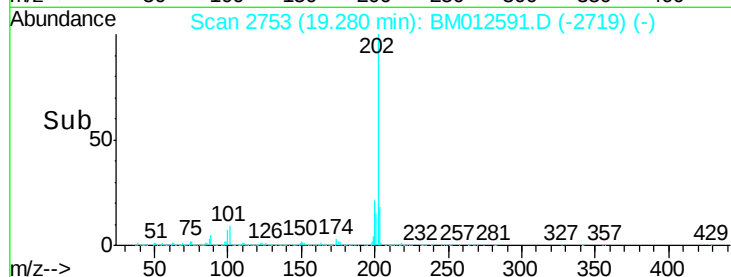
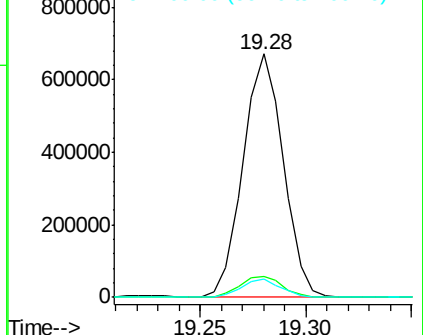
100 7.3 3.4 5.2#



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



#77

Pyrene

Concen: 31.67 ng/ul

RT: 19.64 min Scan# 2815

Delta R.T. 0.00 min

Lab File: BM012591.D

Acq: 31 Oct 2017 01:48

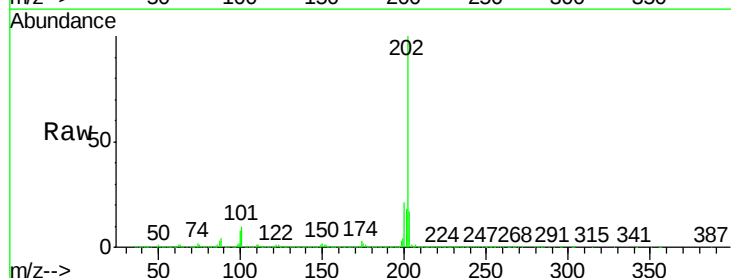
Tgt Ion:202 Resp: 3570808

Ion Ratio Lower Upper

202 100

101 10.0 5.1 7.7#

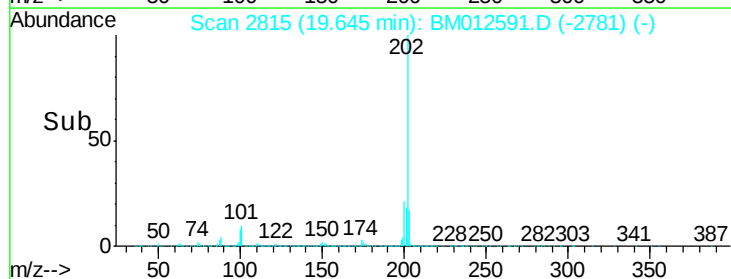
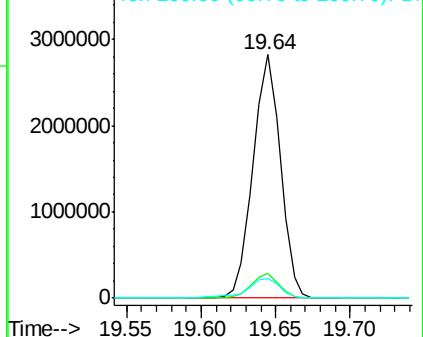
100 8.1 4.9 7.3#

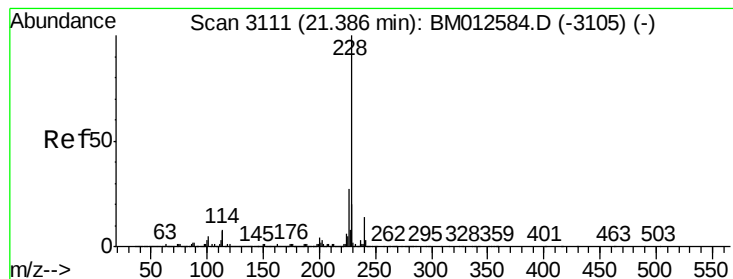


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 3.37 ng/ul

RT: 21.38 min Scan# 3110

Delta R.T. -0.01 min

Lab File: BM012591.D

Acq: 31 Oct 2017 01:48

Instrument :

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ClientSampleId :

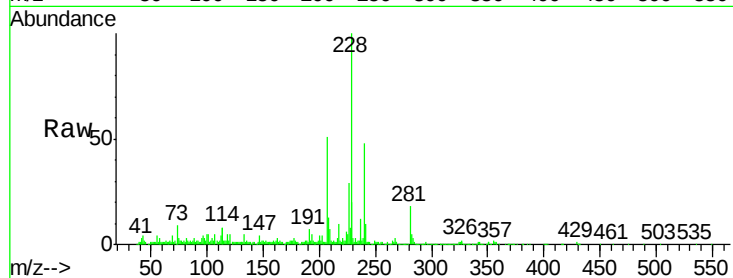
Tot Ion:228 Resp: 400401

Ion Ratio Lower Upper

228 100

229 20.2 15.4 23.0

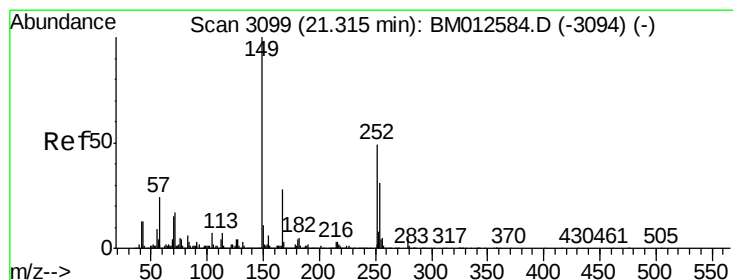
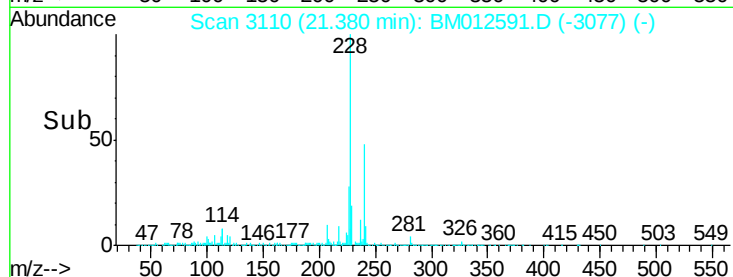
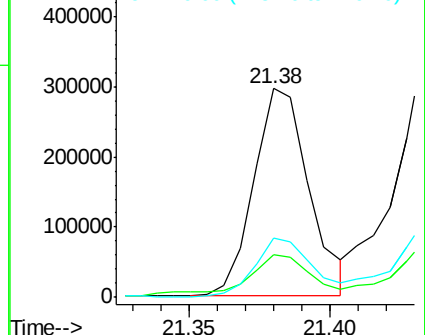
226 28.6 21.4 32.0



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: 1.12 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM012591.D

Acq: 31 Oct 2017 01:48

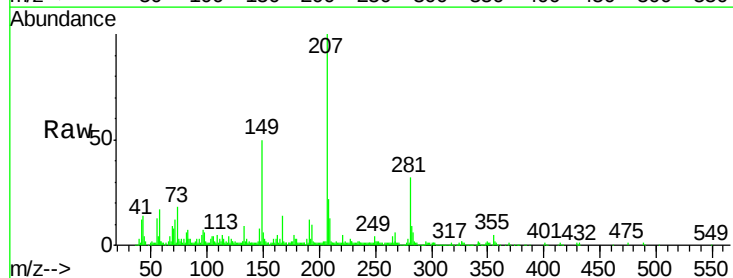
Tgt Ion:149 Resp: 75459

Ion Ratio Lower Upper

149 100

167 27.8 22.8 34.2

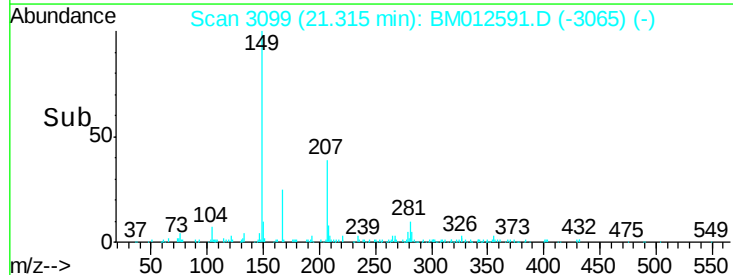
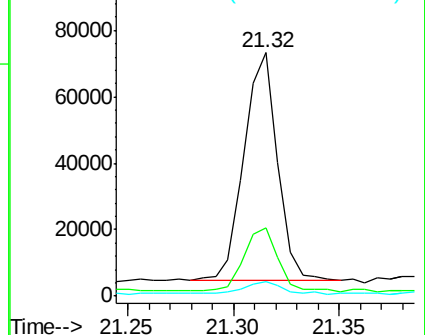
279 6.0 4.9 7.3

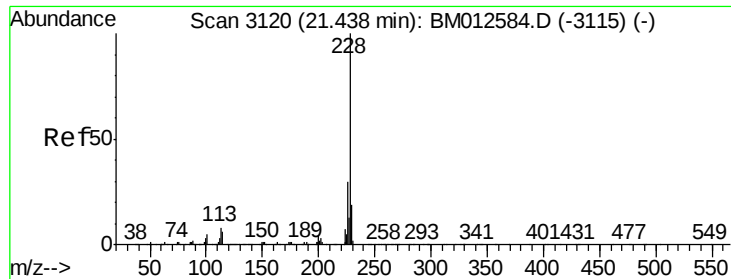


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 4.63 ng/ul

RT: 21.43 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BM012591.D

Acq: 31 Oct 2017 01:48

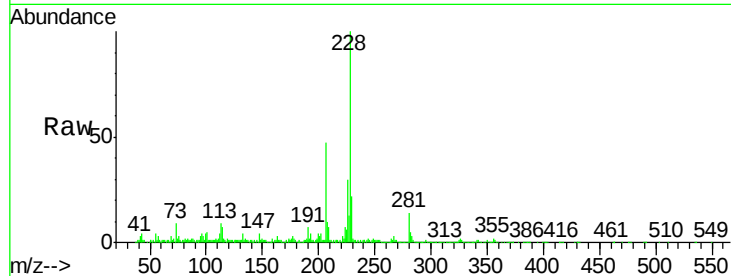
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 488975

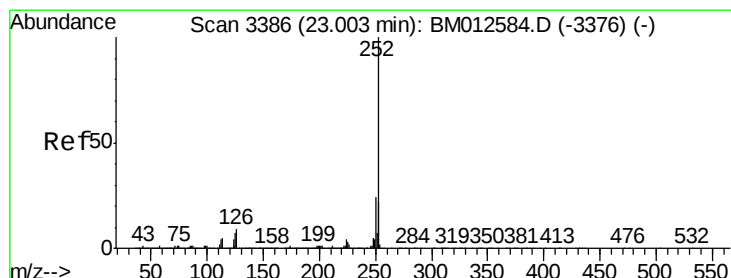
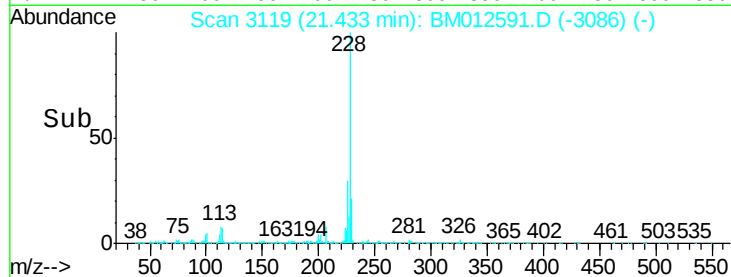
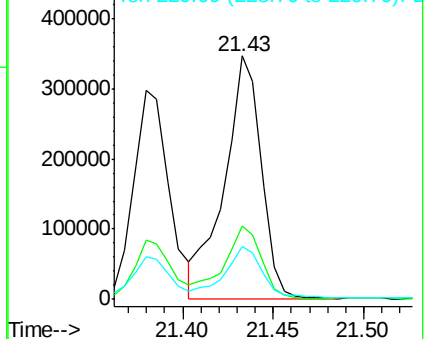
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.4	35.2
229	21.8	15.5	23.3



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: 5.43 ng/ul

RT: 23.00 min Scan# 3386

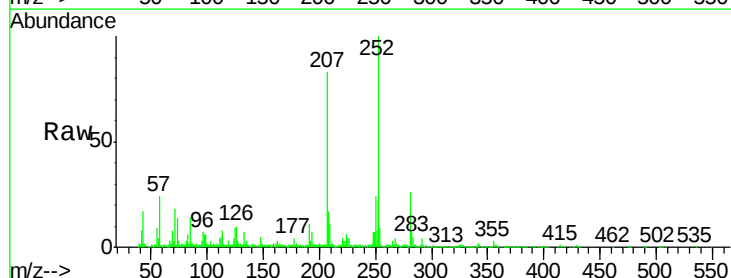
Delta R.T. 0.00 min

Lab File: BM012591.D

Acq: 31 Oct 2017 01:48

Tgt Ion:252 Resp: 762050

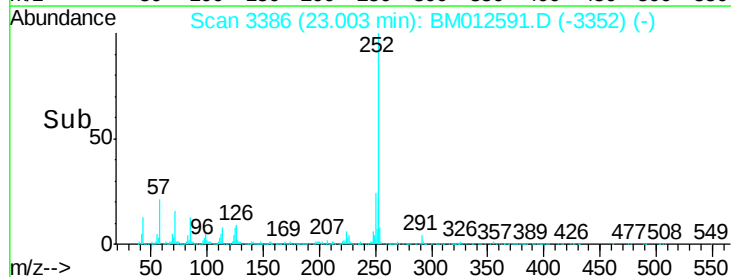
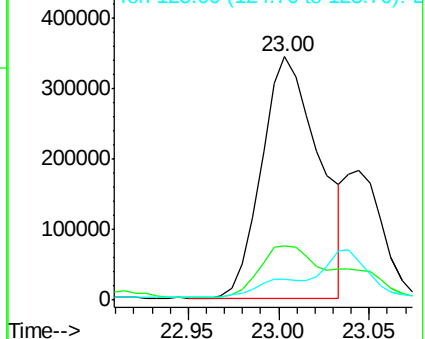
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	8.7	3.6	5.4

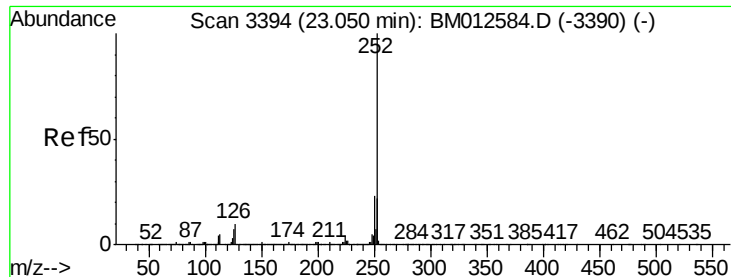


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

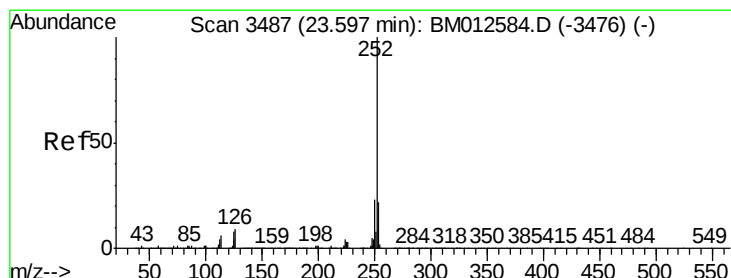
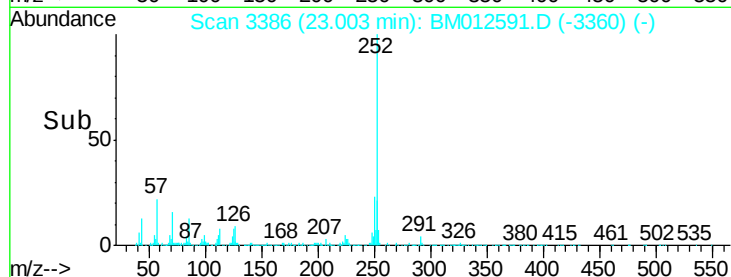
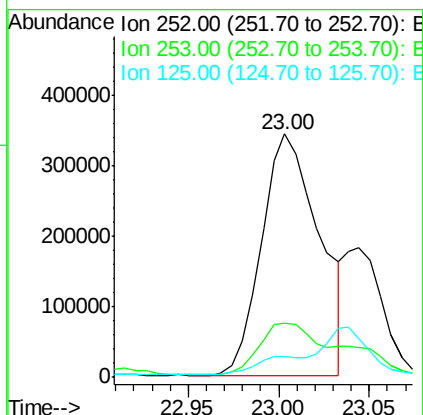
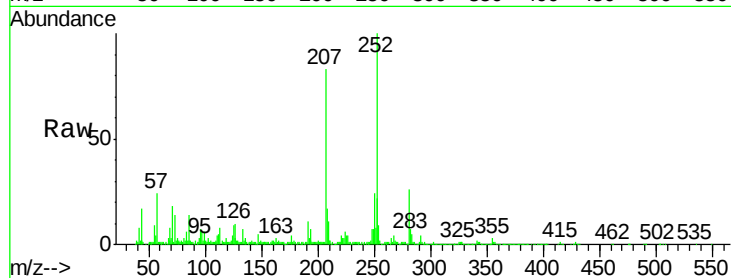




#86
Benzo(k)fluoranthene
Concen: 5.77 ng/ul
RT: 23.00 min Scan# 3386
Delta R.T. -0.05 min
Lab File: BM012591.D
Acq: 31 Oct 2017 01:48

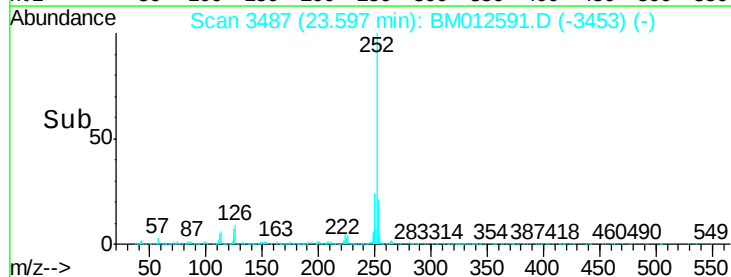
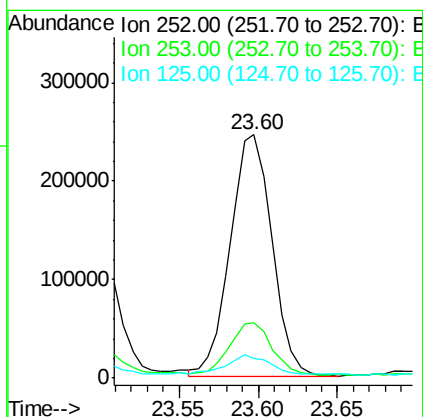
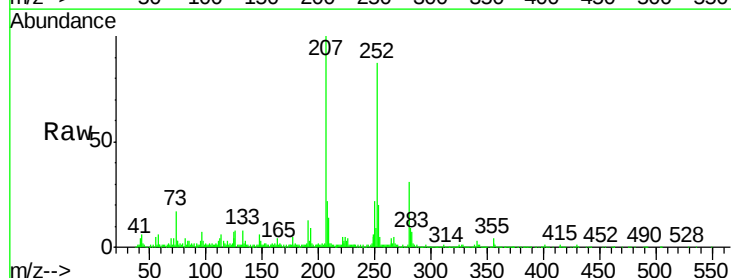
Instrument :
BNA_M
ClientSampleId :

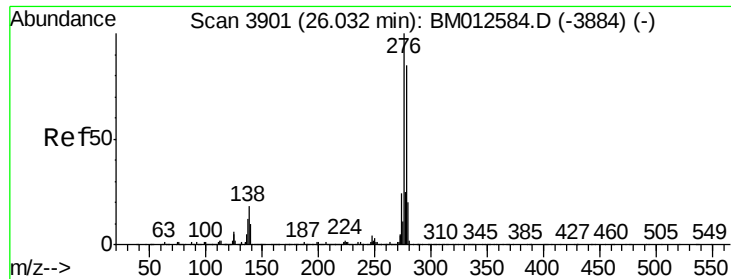
Tot Ion:252 Resp: 762050
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 8.7 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 3.34 ng/ul
RT: 23.60 min Scan# 3487
Delta R.T. 0.00 min
Lab File: BM012591.D
Acq: 31 Oct 2017 01:48

Tgt Ion:252 Resp: 447263
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 8.2 4.0 6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 2.54 ng/ul

RT: 26.02 min Scan# 3899

Delta R.T. -0.01 min

Lab File: BM012591.D

Acq: 31 Oct 2017 01:48

Instrument :

BNA_M

ClientSampleId :

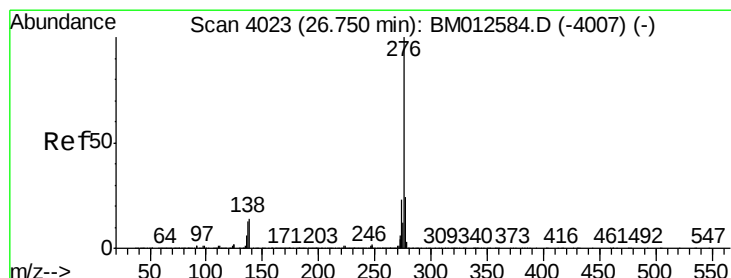
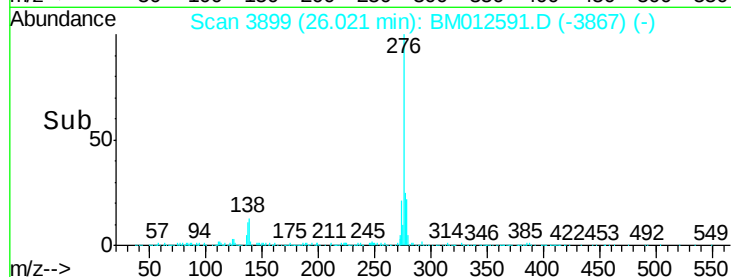
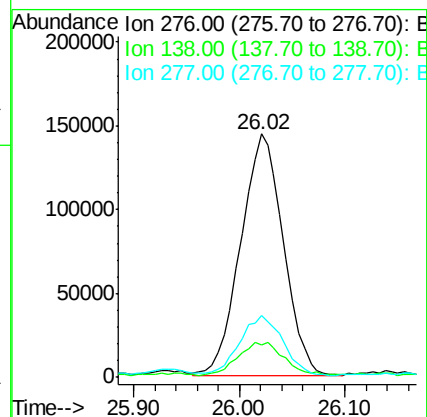
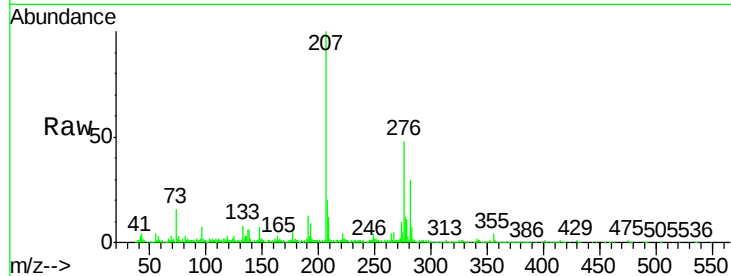
Tot Ion:276 Resp: 400498

Ion Ratio Lower Upper

276 100

138 13.5 9.3 13.9

277 25.3 19.9 29.9



#91

Benzo(g,h,i)perylene

Concen: 2.47 ng/ul

RT: 26.74 min Scan# 4022

Delta R.T. -0.01 min

Lab File: BM012591.D

Acq: 31 Oct 2017 01:48

Tgt Ion:276 Resp: 314850

Ion Ratio Lower Upper

276 100

138 16.2 8.5 12.7#

277 22.9 18.6 28.0

