

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103117\
 Data File : BM012622.D
 Acq On : 01 Nov 2017 03:09
 Operator : SJ/JU
 Sample : I5719-01RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 01 06:45:04 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 01 06:39:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	379679	20.00	ng/ul	0.00
18) Naphthalene-d8	10.64	136	1626173	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.48	164	1027082	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	2547583	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	2598939	20.00	ng/ul	0.00
83) Perylene-d12	23.69	264	2356291	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.34	96	22890	3.08	ng/uL	0.00
5) Phenol-d5	7.02	99	614190	19.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.18	67	356871	18.95	ng/ul	0.00
9) 2-Chlorophenol-d4	7.38	132	487449	20.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	433963	16.01	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	249575	24.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	280034	26.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.26	165	549669	19.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	147773	5.04	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1741268	19.41	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	2197119	20.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.68	143	223144	16.73	ng/ul	0.00
57) Fluorene-d10	15.47	176	1599674	21.06	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	189023	15.33	ng/ul	0.00
70) Anthracene-d10	17.32	188	2490148	20.51	ng/ul	0.00
76) Pyrene-d10	19.61	212	2907201	24.38	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.54	264	2301542	20.56	ng/ul	0.00

Target Compounds

					Ovalue
4) Benzaldehyde	6.99	77	22795	1.32	ng/ul# 21
6) Phenol	7.05	94	110589	3.35	ng/ul# 84
14) Acetophenone	8.65	105	47736	1.12	ng/ul# 49
17) Hexachloroethane	8.95	117	97123	9.43	ng/ul# 1
28) Naphthalene	10.69	128	478384	5.93	ng/ul 99
34) 2-Methylnaphthalene	12.30	142	144564	2.21	ng/ul 95
44) Dimethylphthalate	13.93	163	841143	9.48	ng/ul 98
47) Acenaphthylene	14.20	152	122722	1.21	ng/ul 98
69) Phenanthrene	17.26	178	618811	4.49	ng/ul 99
71) Anthracene	17.36	178	206480	1.45	ng/ul 98
73) Di-n-butylphthalate	18.19	149	164726	1.10	ng/ul 96
74) Fluoranthene	19.27	202	2010846	12.88	ng/ul# 90
77) Pyrene	19.64	202	1830800	12.39	ng/ul# 91
78) Butylbenzylphthalate	20.53	149	522662	8.98	ng/ul 94
80) Benzo(a)anthracene	21.38	228	1129384	7.26	ng/ul 97
81) Bis(2-ethylhexyl)phthalate	21.31	149	1336249	15.08	ng/ul 99
82) Chrysene	21.43	228	1055249	7.63	ng/ul 96
85) Benzo(b)fluoranthene	23.00	252	1716330	11.78	ng/ul# 94
86) Benzo(k)fluoranthene	23.00	252	1716330	12.52	ng/ul# 92
88) Benzo(a)pyrene	23.59	252	1086166	7.82	ng/ul# 95
89) Indeno(1,2,3-cd)pyrene	26.02	276	985693	6.03	ng/ul# 96
90) Dibenzo(a,h)anthracene	26.03	278	253805	1.83	ng/ul# 85
91) Benzo(g,h,i)perylene	26.74	276	970399	7.33	ng/ul# 95

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Instrument :
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Quant Time: Nov 01 06:45:04 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 01 06:39:17 2017
Response via : Initial Calibration

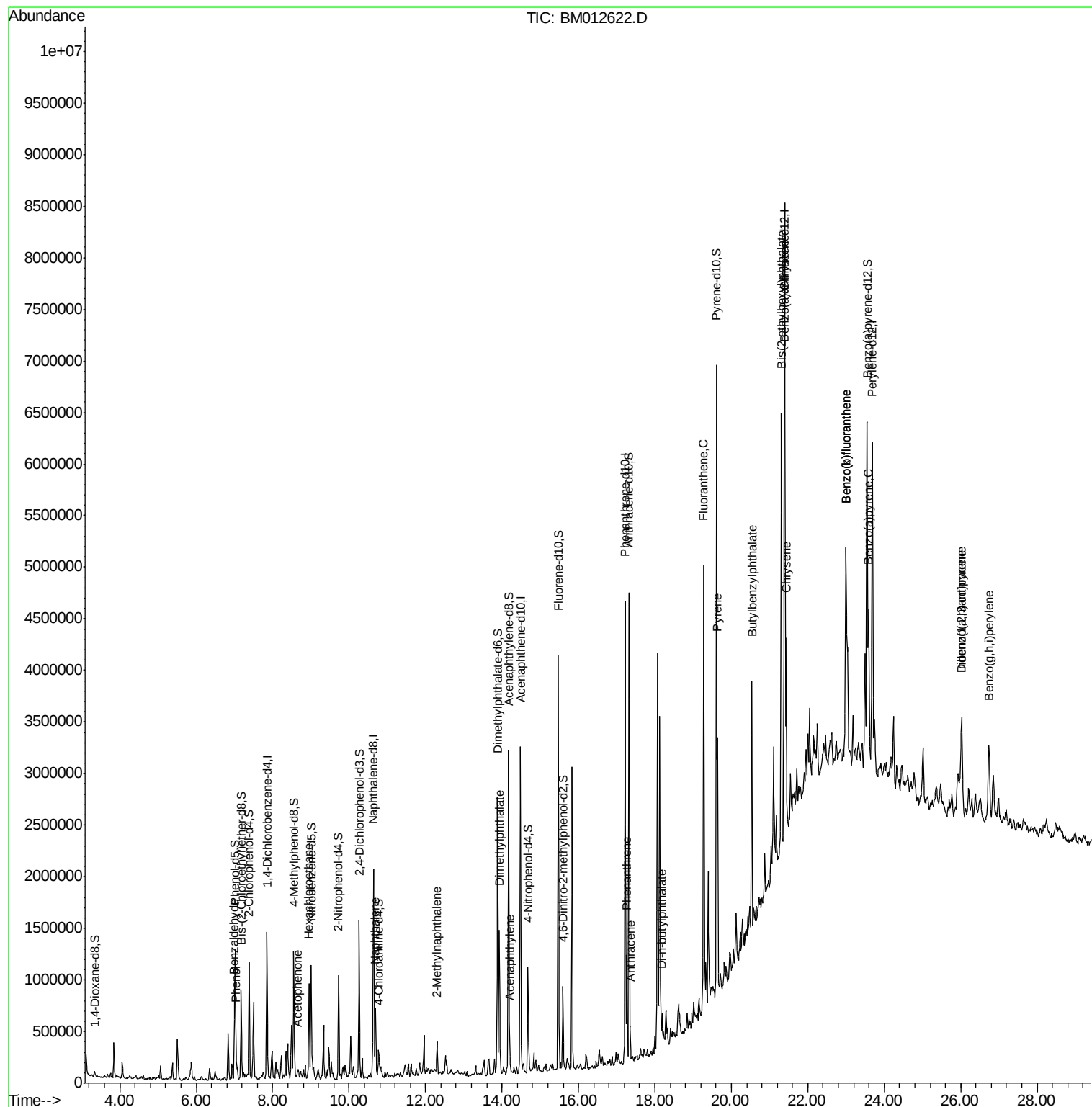
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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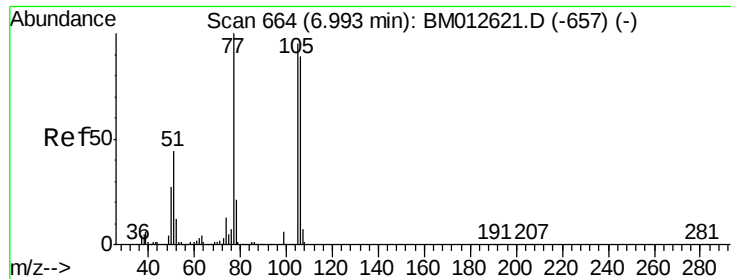
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.32 ng/ul

RT: 6.99 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM012622.D

Acq: 01 Nov 2017 03:09

Instrument :

BNA_M

ClientSampled :

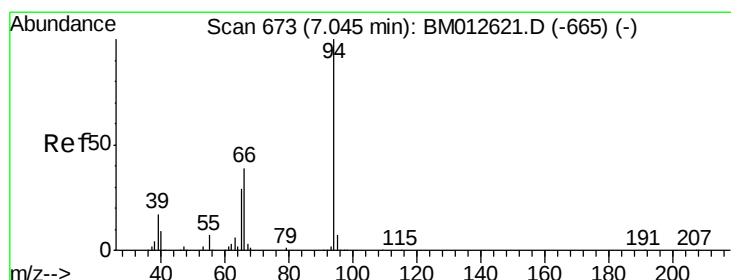
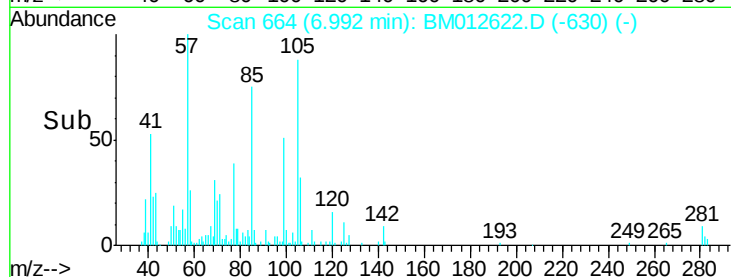
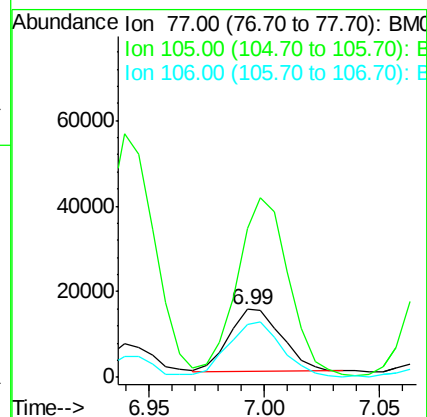
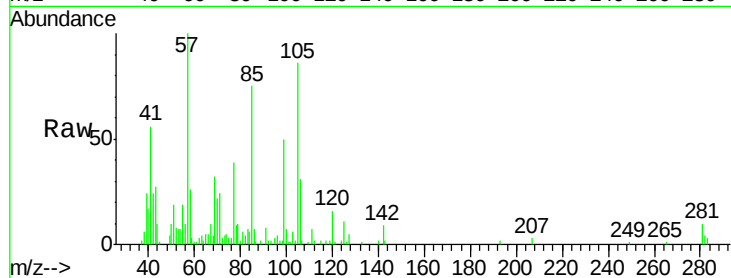
Tot Ion: 77 Resp: 22795

Ion Ratio Lower Upper

77 100

105 219.1 66.1 99.1#

106 78.5 67.8 101.6



#6

Phenol

Concen: 3.35 ng/ul

RT: 7.05 min Scan# 673

Delta R.T. -0.00 min

Lab File: BM012622.D

Acq: 01 Nov 2017 03:09

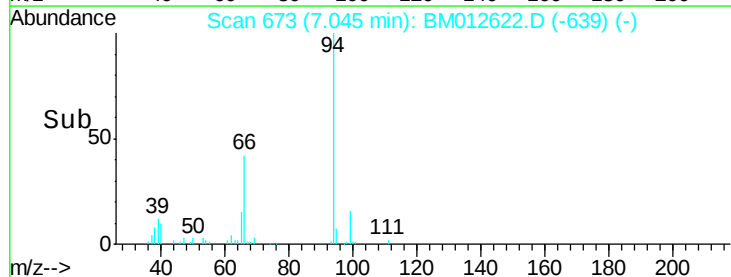
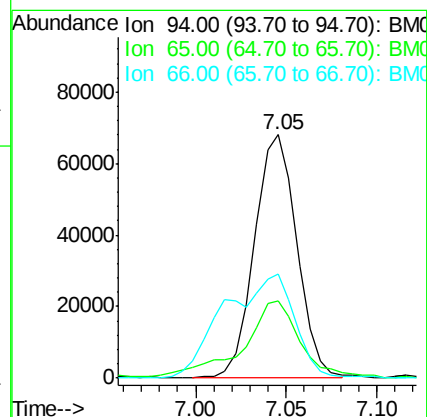
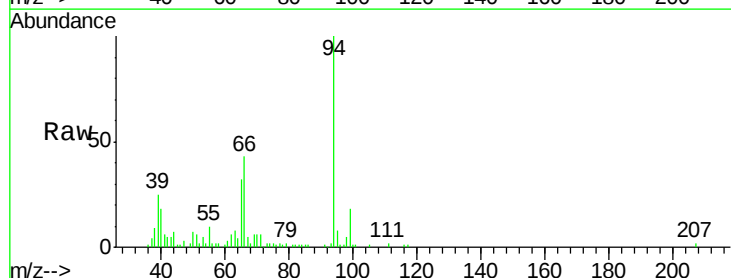
Tgt Ion: 94 Resp: 110589

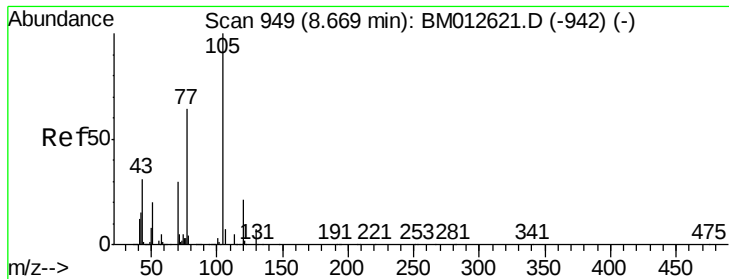
Ion Ratio Lower Upper

94 100

65 31.8 28.2 42.4

66 42.9 47.2 70.8#





#14

Acetophenone

Concen: 1.12 ng/ul

RT: 8.65 min Scan# 946

Delta R.T. -0.02 min

Lab File: BM012622.D

Acq: 01 Nov 2017 03:09

Instrument :

BNA_M

ClientSampled :

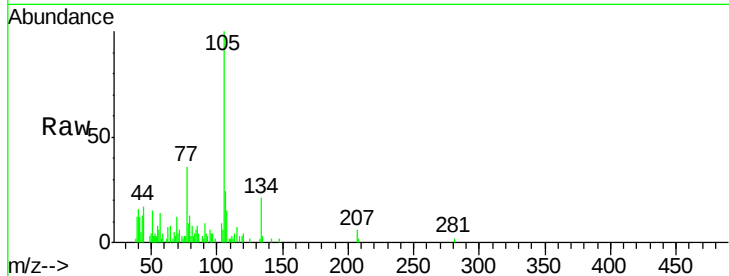
Tot Ion:105 Resp: 47736

Ion Ratio Lower Upper

105 100

77 36.0 74.2 111.4#

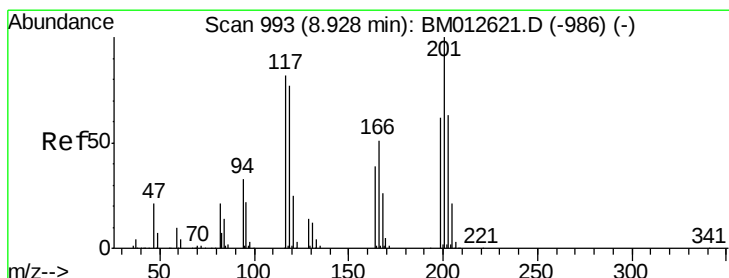
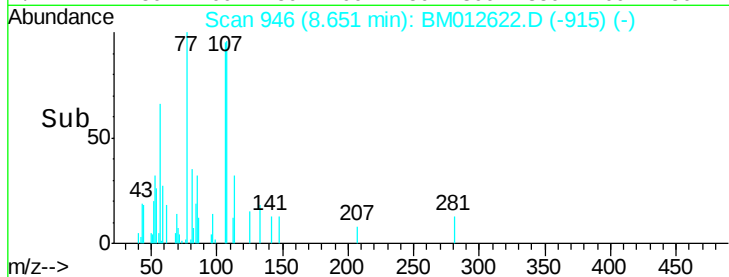
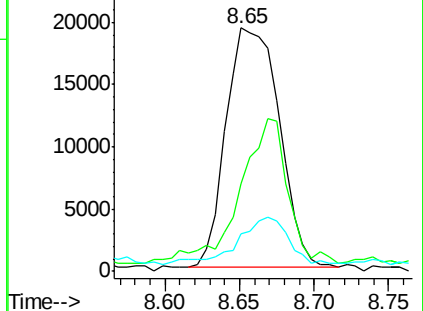
51 15.3 23.4 35.2#



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



#17

Hexachloroethane

Concen: 9.43 ng/ul

RT: 8.95 min Scan# 997

Delta R.T. 0.02 min

Lab File: BM012622.D

Acq: 01 Nov 2017 03:09

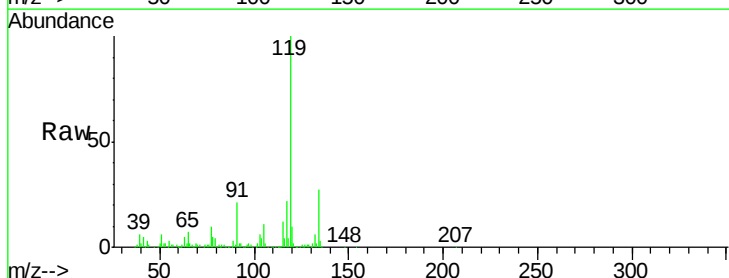
Tgt Ion:117 Resp: 97123

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

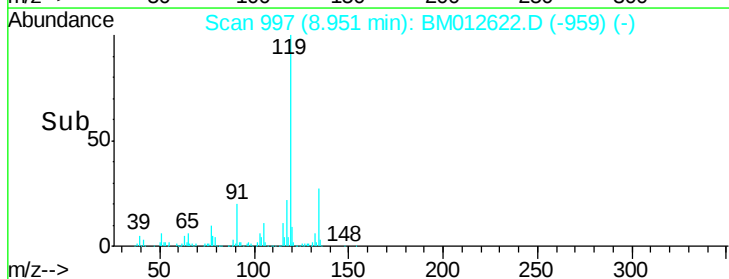
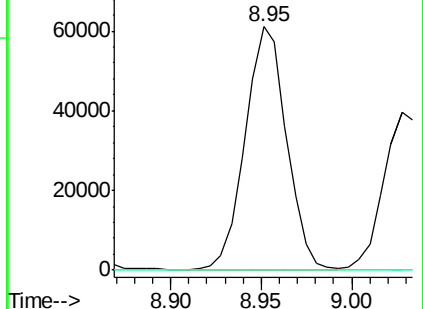
199 0.0 67.8 101.6#

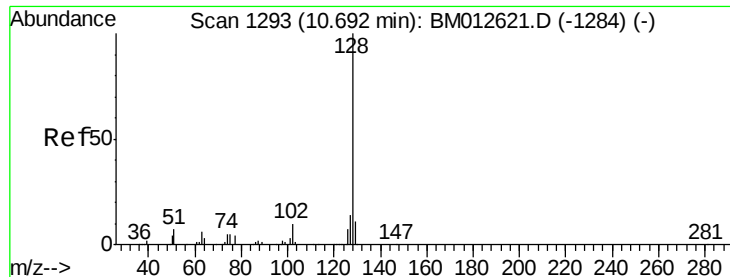


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

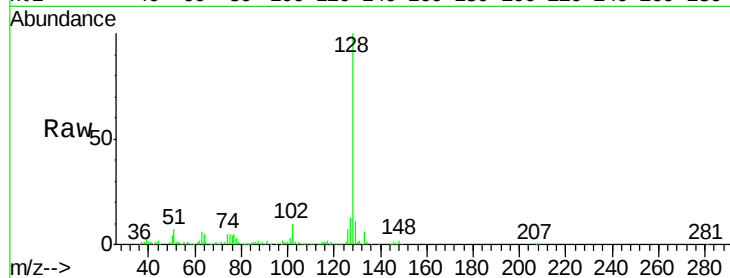




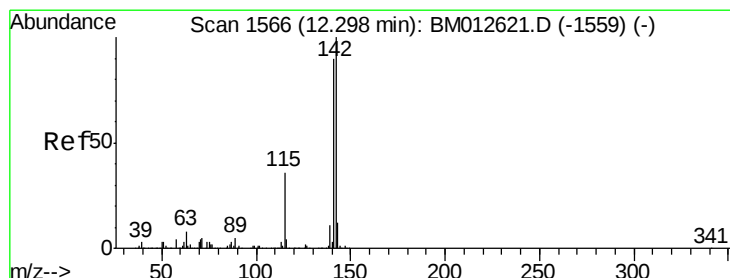
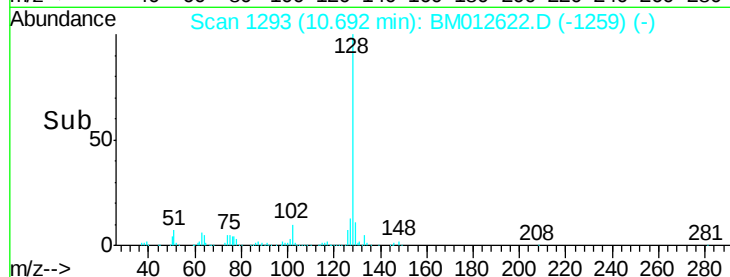
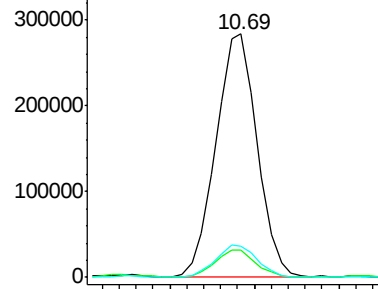
#28
Naphthalene
Concen: 5.93 ng/ul
RT: 10.69 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BM012622.D
Acq: 01 Nov 2017 03:09

Instrument :
BNA_M
ClientSampleId :

Tot Ion:128 Resp: 478384
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 12.9 10.6 16.0

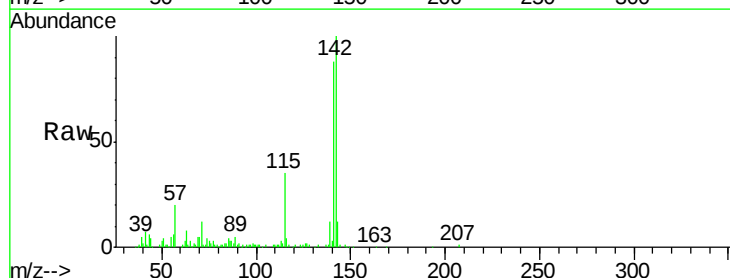


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

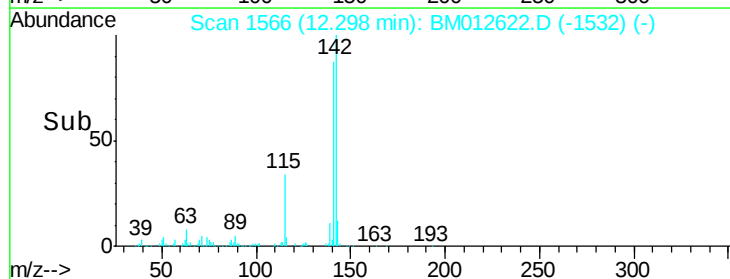
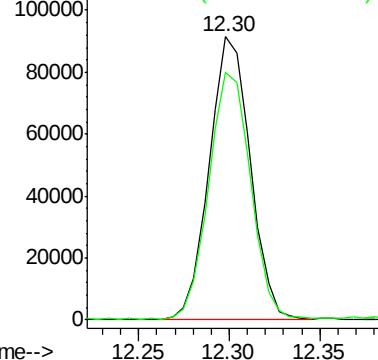


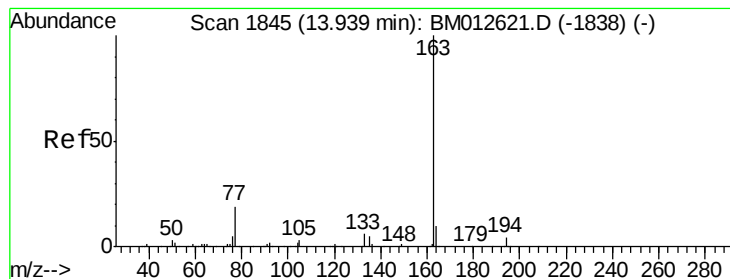
#34
2-Methylnaphthalene
Concen: 2.21 ng/ul
RT: 12.30 min Scan# 1566
Delta R.T. -0.00 min
Lab File: BM012622.D
Acq: 01 Nov 2017 03:09

Tgt Ion:142 Resp: 144564
Ion Ratio Lower Upper
142 100
141 87.6 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: 9.48 ng/ul

RT: 13.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BM012622.D

Acq: 01 Nov 2017 03:09

Instrument :

BNA_M

ClientSampleId :

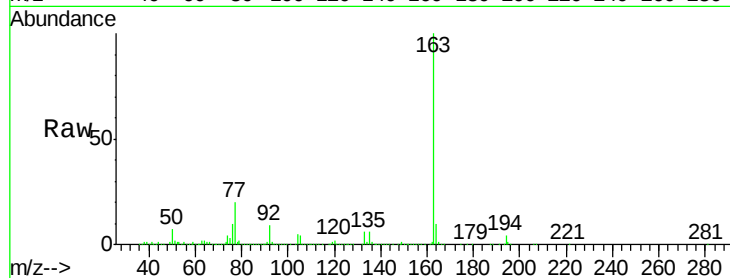
Tot Ion:163 Resp: 841143

Ion Ratio Lower Upper

163 100

194 3.7 3.5 5.3

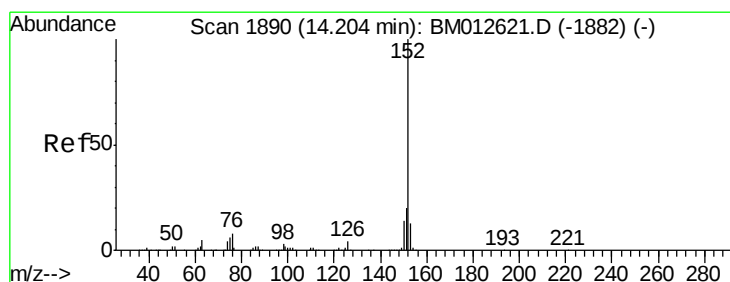
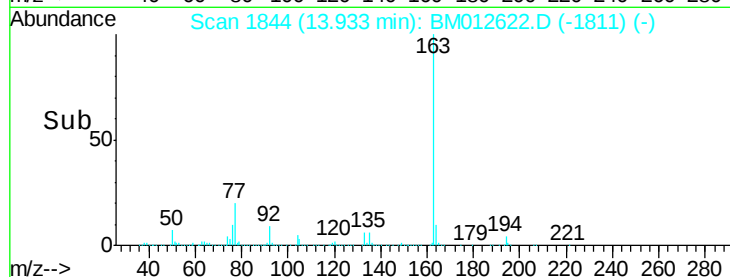
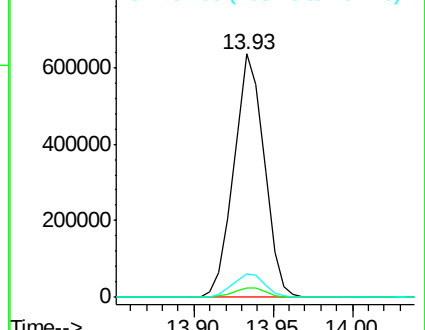
164 9.7 8.2 12.4



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



#47

Acenaphthylene

Concen: 1.21 ng/ul

RT: 14.20 min Scan# 1890

Delta R.T. -0.00 min

Lab File: BM012622.D

Acq: 01 Nov 2017 03:09

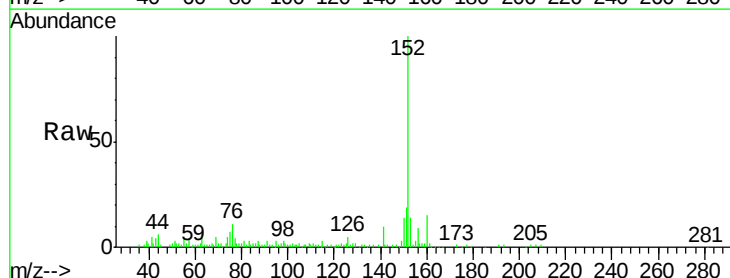
Tgt Ion:152 Resp: 122722

Ion Ratio Lower Upper

152 100

151 19.4 16.3 24.5

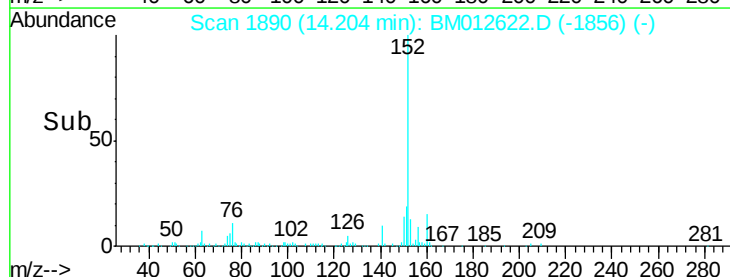
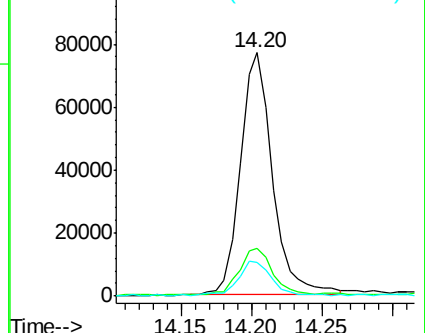
153 13.9 10.2 15.4

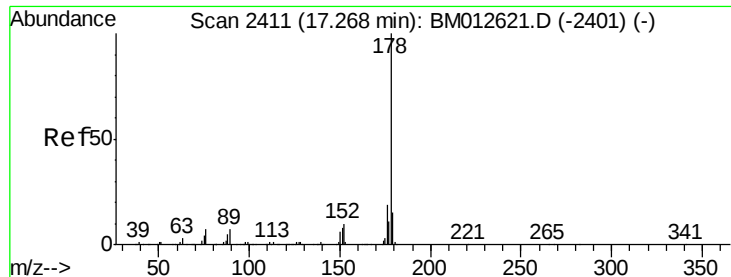


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#69

Phenanthrene

Concen: 4.49 ng/ul

RT: 17.26 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BM012622.D

Acq: 01 Nov 2017 03:09

Instrument :

BNA_M

ClientSampleId :

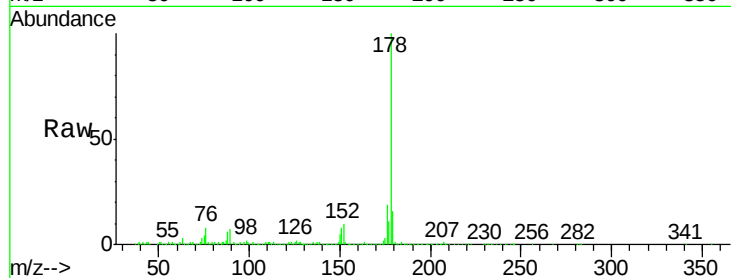
Tot Ion:178 Resp: 618811

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

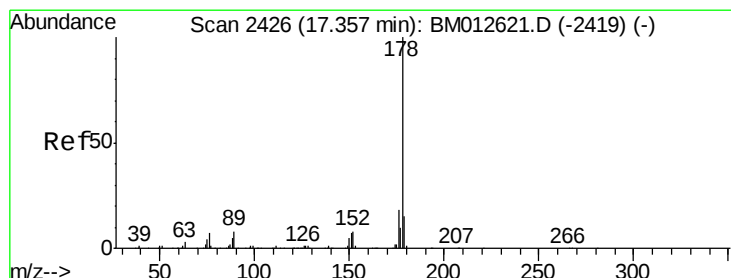
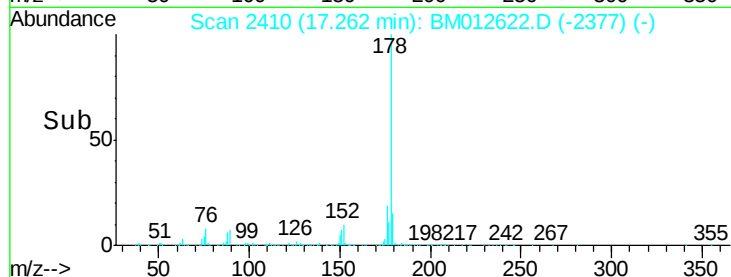
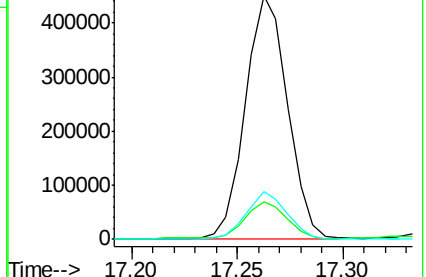
176 19.4 14.9 22.3



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



#71

Anthracene

Concen: 1.45 ng/ul

RT: 17.36 min Scan# 2426

Delta R.T. -0.00 min

Lab File: BM012622.D

Acq: 01 Nov 2017 03:09

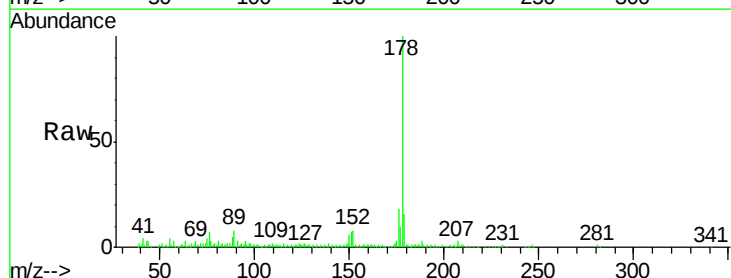
Tgt Ion:178 Resp: 206480

Ion Ratio Lower Upper

178 100

179 15.8 11.7 17.5

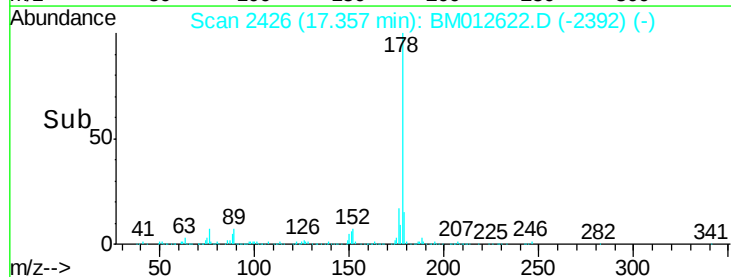
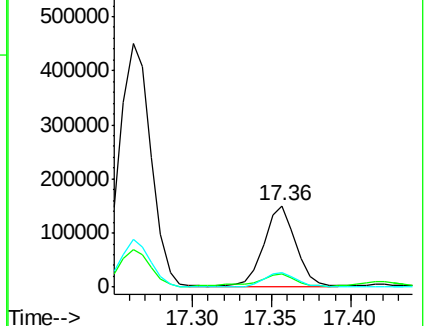
176 17.9 14.6 21.8

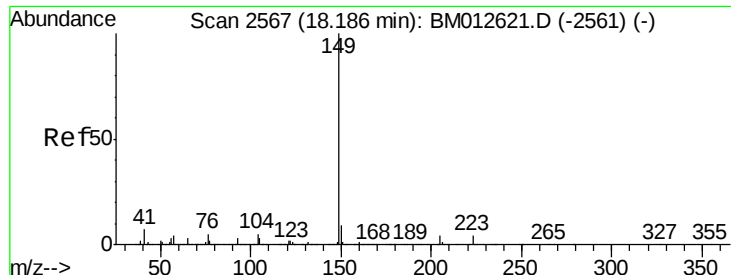


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

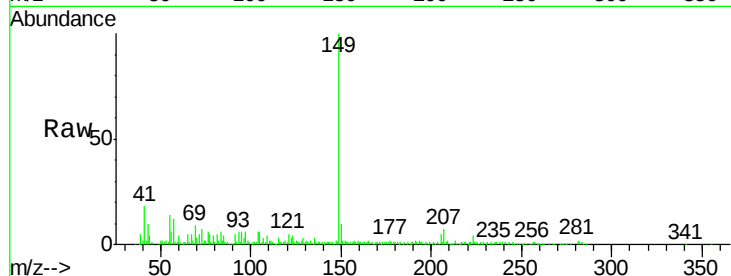




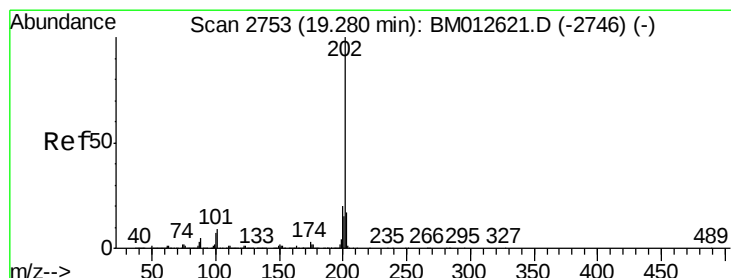
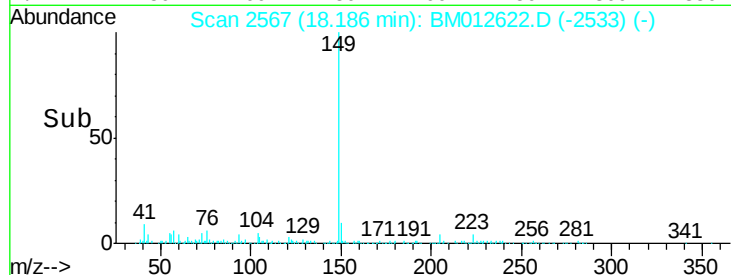
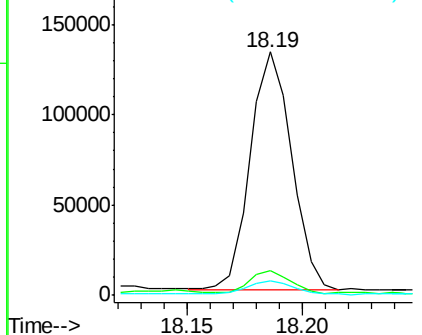
#73
Di-n-butylphthalate
Concen: 1.10 ng/ul
RT: 18.19 min Scan# 2567
Delta R.T. -0.00 min
Lab File: BM012622.D
Acq: 01 Nov 2017 03:09

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
150	10.4	7.1	10.7
104	5.8	5.6	8.4

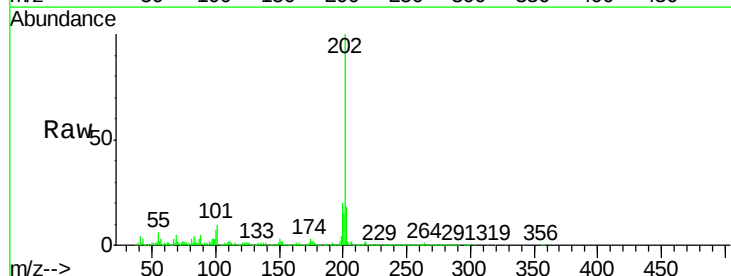


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

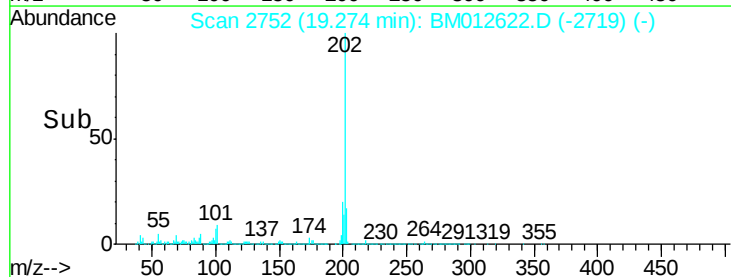
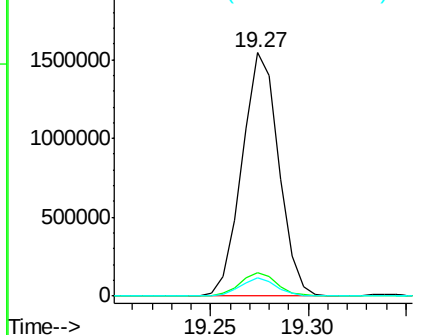


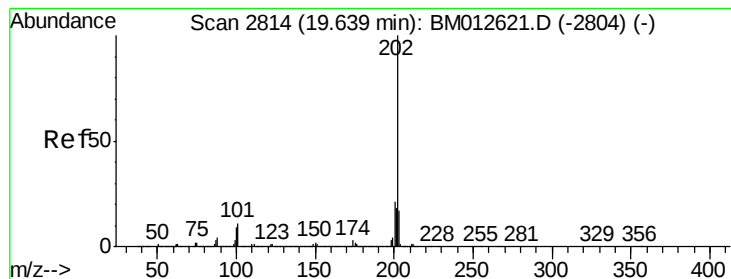
#74
Fluoranthene
Concen: 12.88 ng/ul
RT: 19.27 min Scan# 2752
Delta R.T. -0.01 min
Lab File: BM012622.D
Acq: 01 Nov 2017 03:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	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

Pvrene

Concen: 12.39 ng/ul

RT: 19.64 min Scan# 2814

Delta R.T. -0.00 min

Lab File: BM012622.D

Acq: 01 Nov 2017 03:09

Instrument :

BNA_M

ClientSampleId :

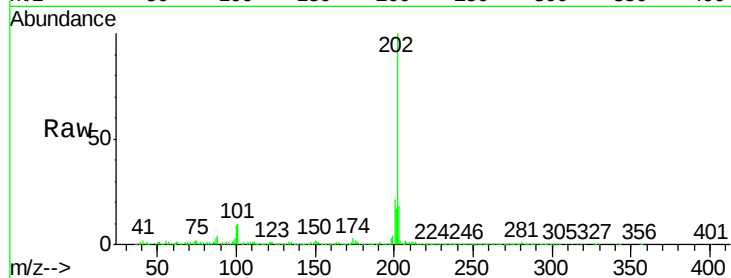
Tot Ion:202 Resp: 1830800

Ion Ratio Lower Upper

202 100

101 10.0 5.1 7.7#

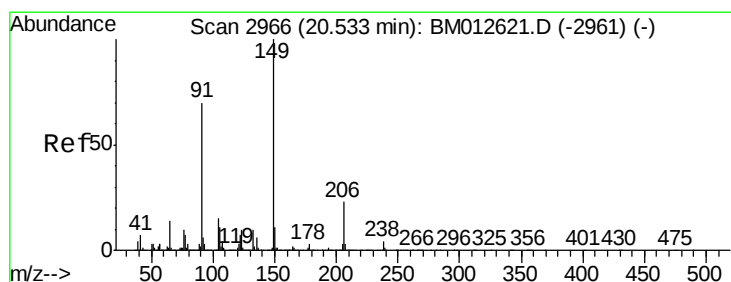
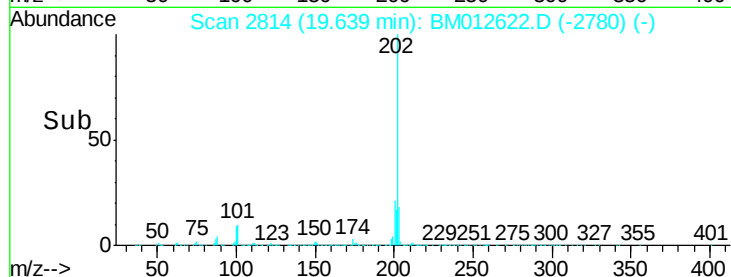
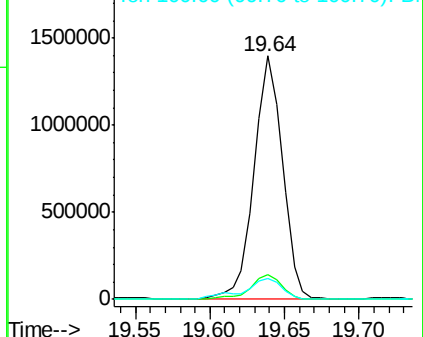
100 8.7 4.9 7.3#



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



#78

Butylbenzylphthalate

Concen: 8.98 ng/ul

RT: 20.53 min Scan# 2966

Delta R.T. -0.00 min

Lab File: BM012622.D

Acq: 01 Nov 2017 03:09

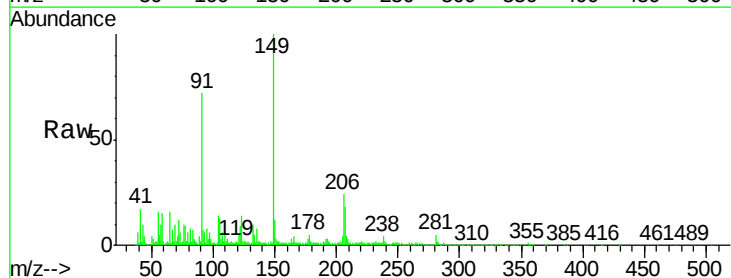
Tgt Ion:149 Resp: 522662

Ion Ratio Lower Upper

149 100

91 72.3 62.7 94.1

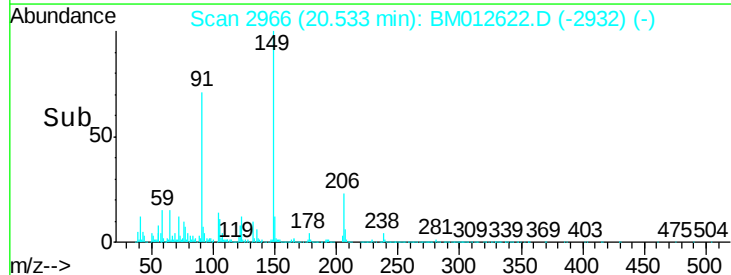
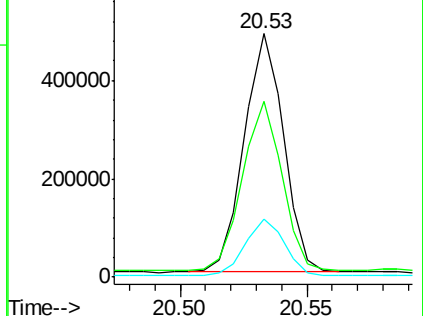
206 23.7 20.8 31.2

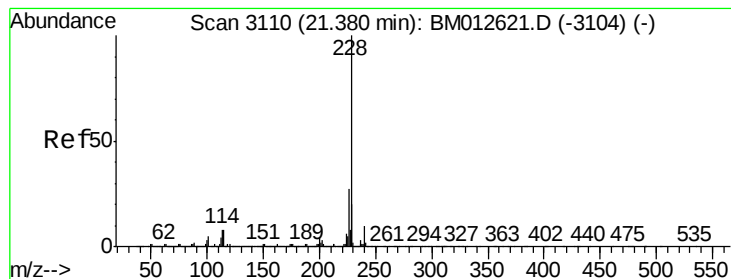


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 7.26 ng/ul

RT: 21.38 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BM012622.D

Acq: 01 Nov 2017 03:09

Instrument :

BNA_M

ClientSampleId :

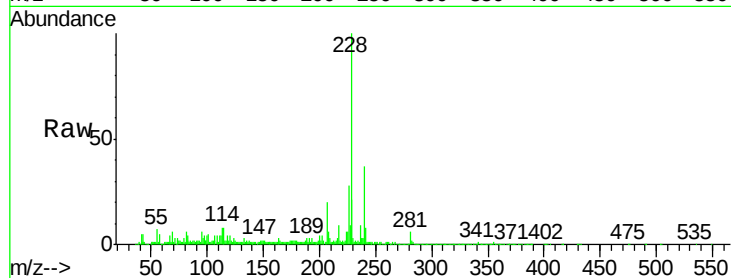
Tot Ion:228 Resp: 1129384

Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.4	23.0
226	28.0	21.4	32.0

228 100

229 21.3 15.4 23.0

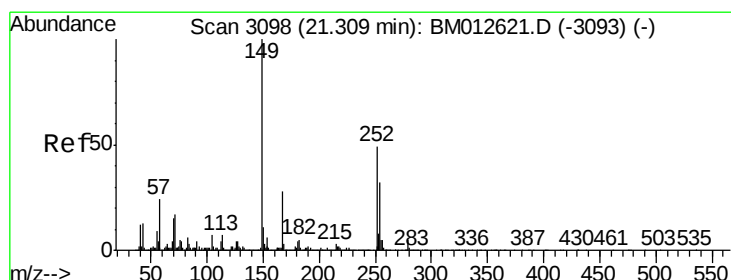
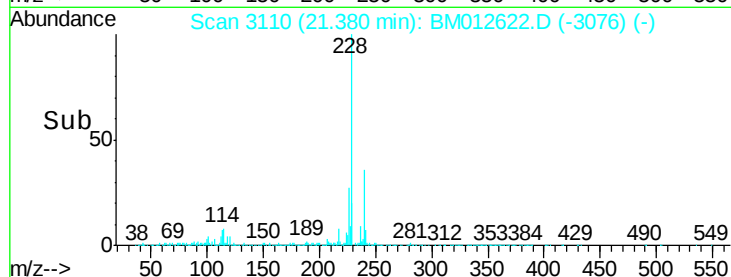
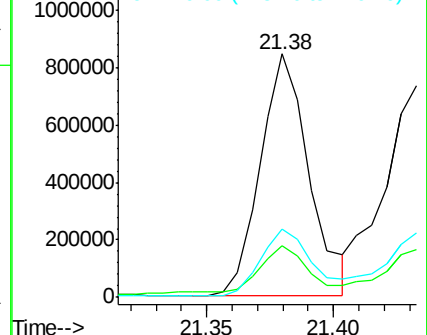
226 28.0 21.4 32.0



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: 15.08 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BM012622.D

Acq: 01 Nov 2017 03:09

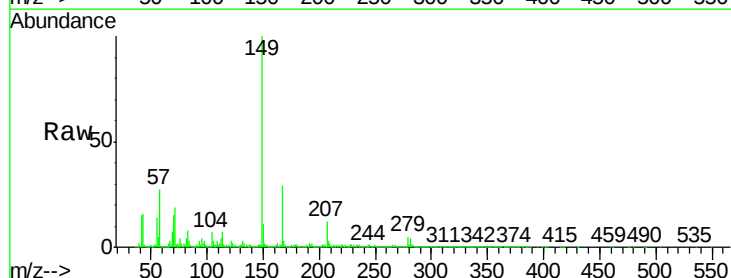
Tgt Ion:149 Resp: 1336249

Ion	Ratio	Lower	Upper
149	100		
167	28.7	22.8	34.2
279	5.4	4.9	7.3

149 100

167 28.7 22.8 34.2

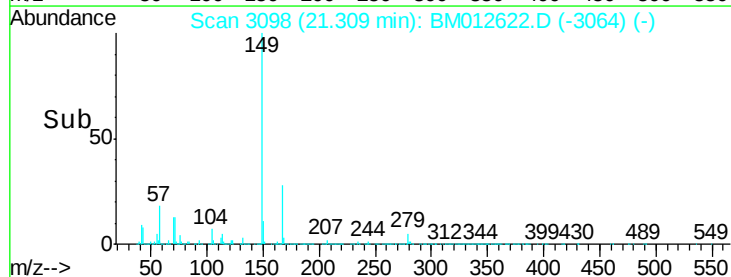
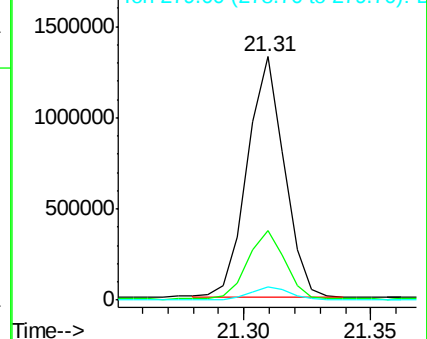
279 5.4 4.9 7.3

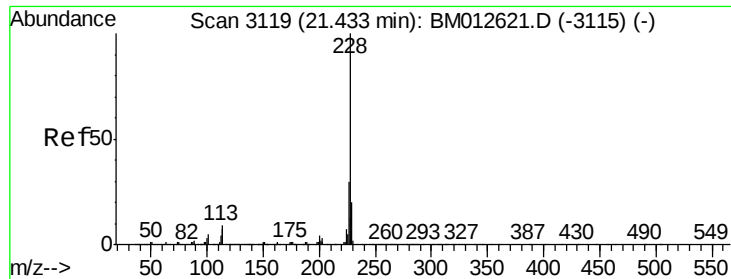


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 7.63 ng/ul

RT: 21.43 min Scan# 3119

Delta R.T. -0.00 min

Lab File: BM012622.D

Acq: 01 Nov 2017 03:09

Instrument :

BNA_M

ClientSampleId :

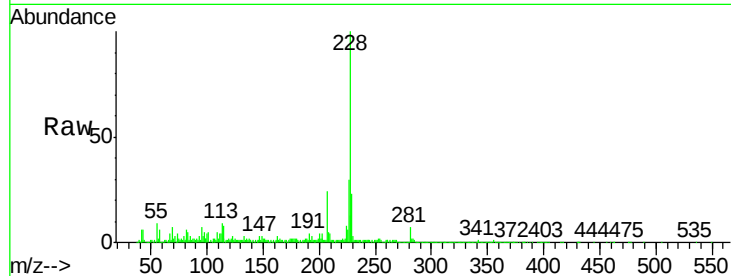
Tot Ion:228 Resp: 1055249

Ion Ratio Lower Upper

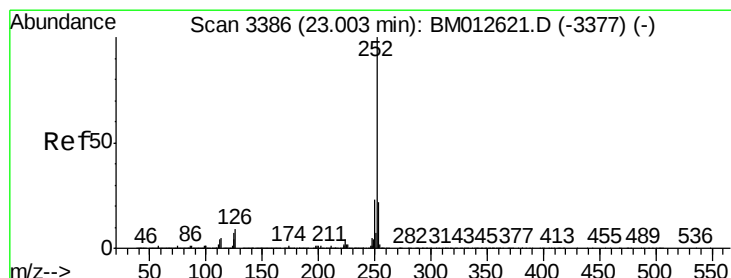
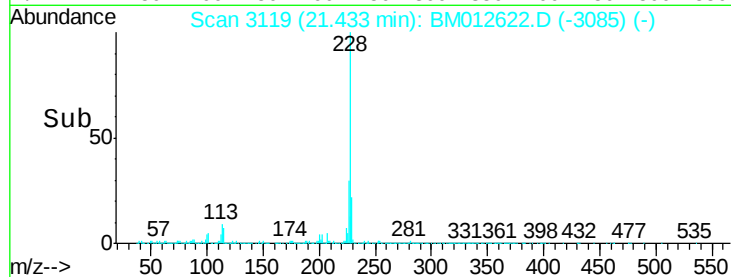
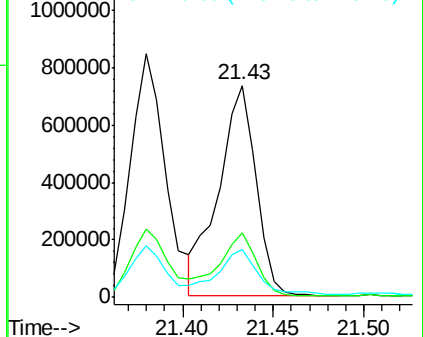
228 100

226 30.4 23.4 35.2

229 22.5 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: 11.78 ng/ul

RT: 23.00 min Scan# 3386

Delta R.T. -0.00 min

Lab File: BM012622.D

Acq: 01 Nov 2017 03:09

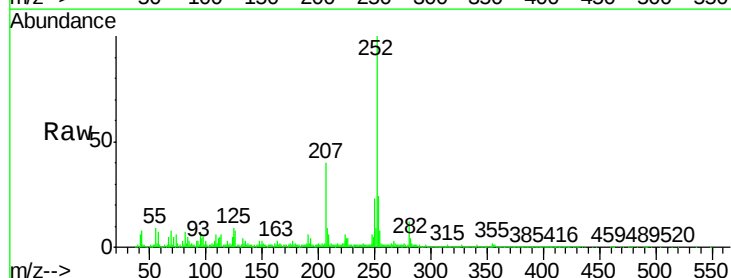
Tgt Ion:252 Resp: 1716330

Ion Ratio Lower Upper

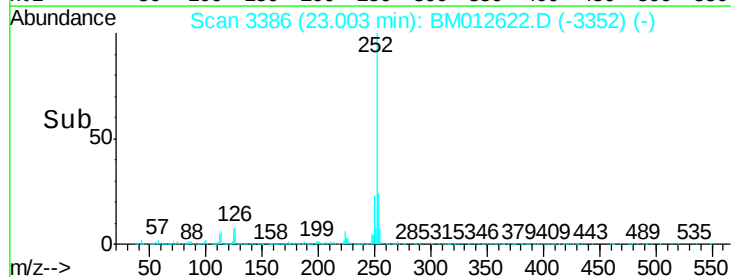
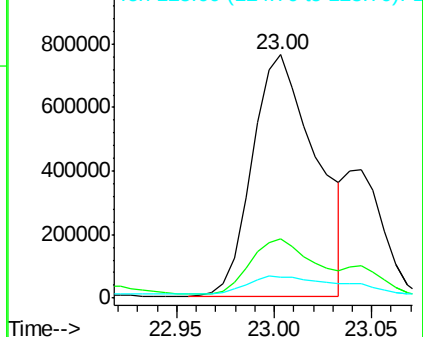
252 100

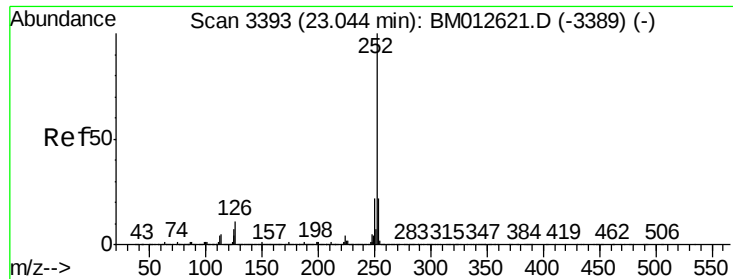
253 24.5 17.9 26.9

125 8.8 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

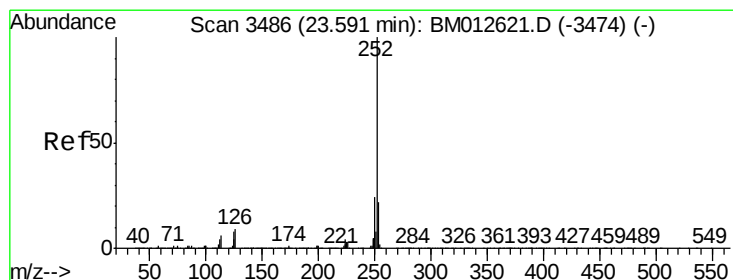
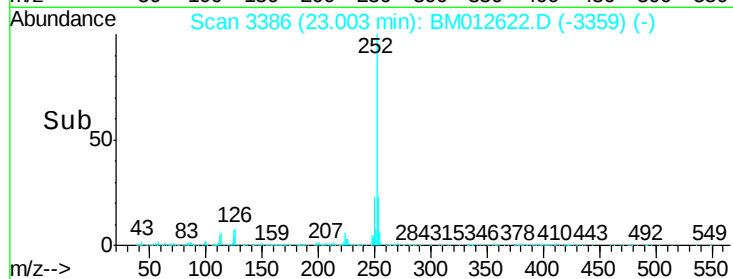
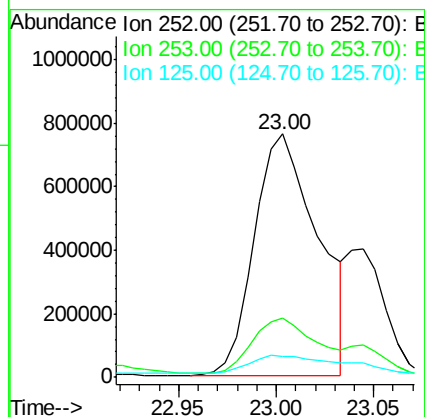
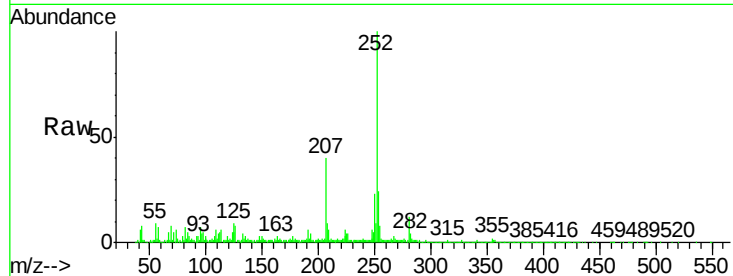




#86
Benzo(k)fluoranthene
Concen: 12.52 ng/ul
RT: 23.00 min Scan# 3386
Delta R.T. -0.04 min
Lab File: BM012622.D
Acq: 01 Nov 2017 03:09

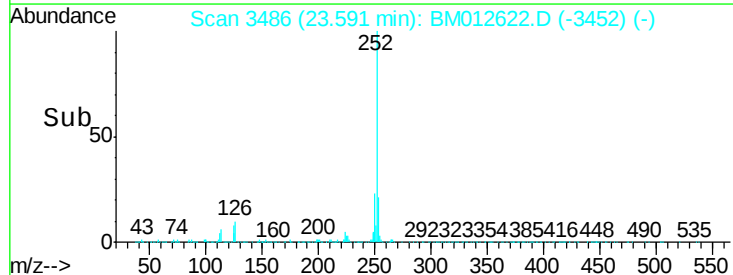
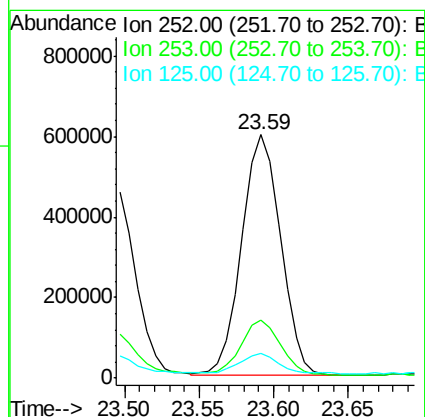
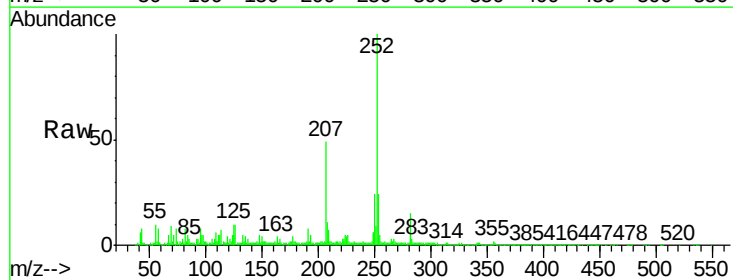
Instrument :
BNA_M
ClientSampleId :

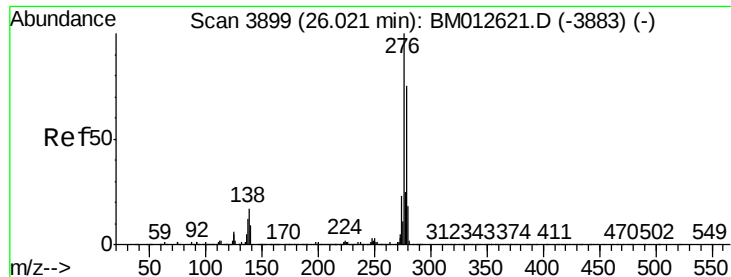
Tot Ion:252 Resp: 1716330
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 8.8 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 7.82 ng/ul
RT: 23.59 min Scan# 3486
Delta R.T. -0.00 min
Lab File: BM012622.D
Acq: 01 Nov 2017 03:09

Tgt Ion:252 Resp: 1086166
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 10.1 4.0 6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 6.03 ng/ul

RT: 26.02 min Scan# 3899

Delta R.T. -0.00 min

Lab File: BM012622.D

Acq: 01 Nov 2017 03:09

Instrument :

BNA_M

ClientSampleId :

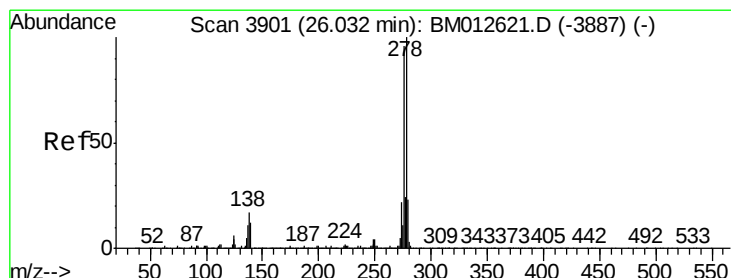
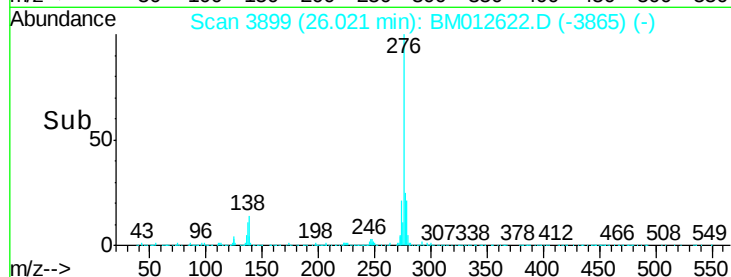
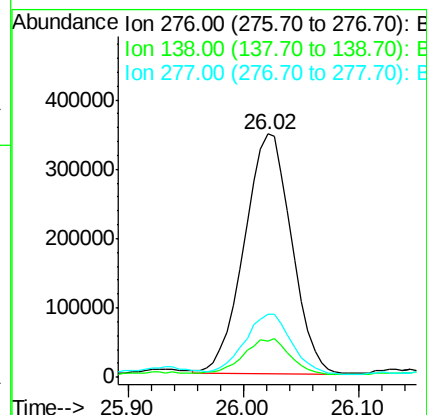
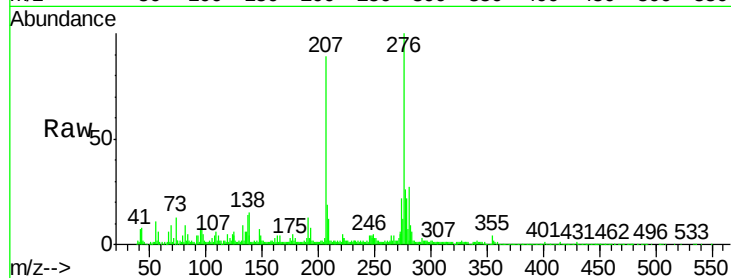
Tot Ion:276 Resp: 985693

Ion Ratio Lower Upper

276 100

138 15.1 9.3 13.9#

277 26.1 19.9 29.9



#90

Dibenzo(a,h)anthracene

Concen: 1.83 ng/ul

RT: 26.03 min Scan# 3900

Delta R.T. -0.01 min

Lab File: BM012622.D

Acq: 01 Nov 2017 03:09

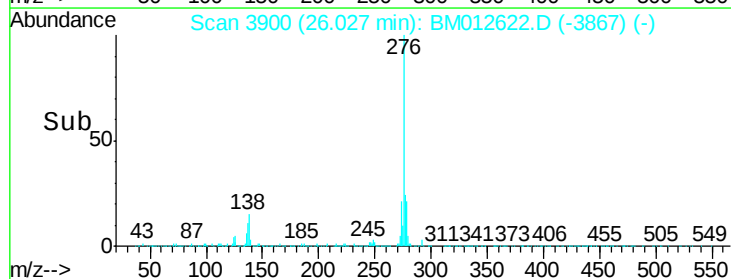
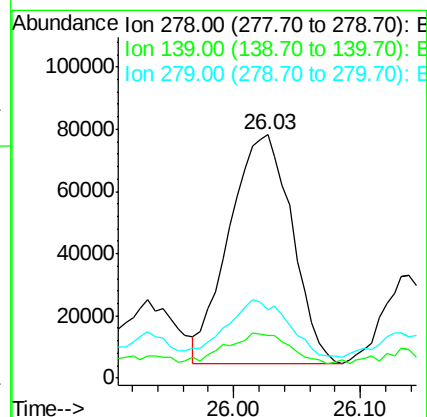
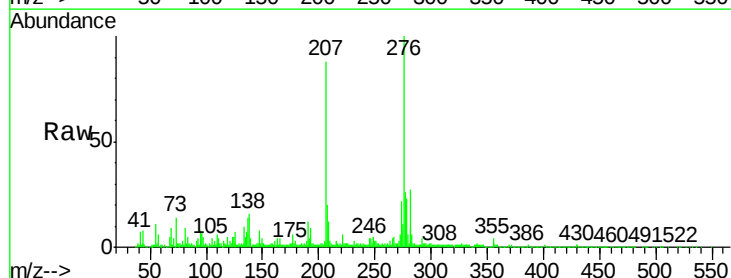
Tgt Ion:278 Resp: 253805

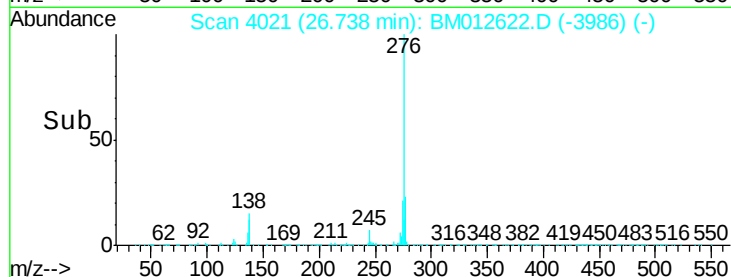
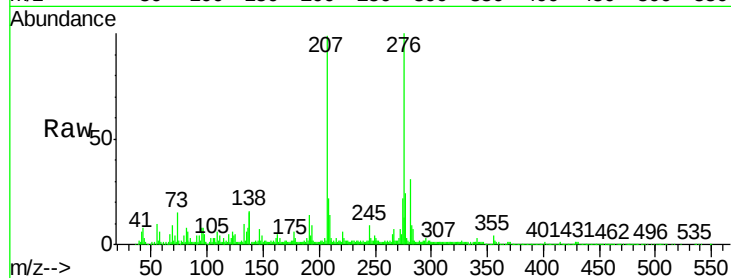
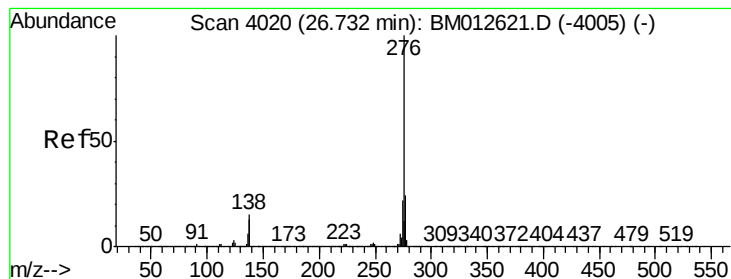
Ion Ratio Lower Upper

278 100

139 17.3 5.8 8.8#

279 28.2 18.6 27.8#





#91

Benzo(a,h,i)perylene

Concen: 7.33 ng/ul

RT: 26.74 min Scan# 4021

Delta R.T. 0.01 min

Lab File: BM012622.D

Acq: 01 Nov 2017 03:09

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 970399

Ion Ratio Lower Upper

276 100

138 15.8 8.5 12.7#

277 24.1 18.6 28.0

