

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012769.D
 Acq On : 06 Nov 2017 09:21
 Operator : SJ/JU
 Sample : I5902-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-12(0-1)-101317

Quant Time: Nov 07 03:17:12 2017
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 07:19:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	134846	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	565856	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.46	164	362015	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.20	188	818048	20.00	ng/ul	0.01
77) Chrysene-d12	21.39	240	655443	20.00	ng/ul	0.01
85) Perylene-d12	23.68	264	740640	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	12538	5.02	ng/uL	0.00
5) Phenol-d5	7.00	99	295013	29.40	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.15	67	156445	28.77	ng/ul	0.01
9) 2-Chlorophenol-d4	7.36	132	256936	30.74	ng/ul	0.01
13) 4-Methylphenol-d8	8.53	113	246031	28.41	ng/ul	0.01
19) Nitrobenzene-d5	8.97	128	127425	30.48	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	137807	28.81	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	288914	29.46	ng/ul	0.01
29) 4-Chloroaniline-d4	10.75	131	206677	21.84	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	891633	29.76	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	1136884	30.68	ng/ul	0.01
51) 4-Nitrophenol-d4	14.68	143	124055	25.84	ng/ul	0.02
57) Fluorene-d10	15.45	176	805444	31.39	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.59	200	21454	3.97	ng/ul	0.02
70) Anthracene-d10	17.30	188	1186838	30.03	ng/ul	0.01
78) Pyrene-d10	19.60	212	1082909	35.61	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.54	264	1090753	31.15	ng/ul	0.03

Target Compounds

						Ovalue
4) Benzaldehyde	6.96	77	14681	2.75	ng/ul#	1
6) Phenol	7.03	94	56274	5.46	ng/ul	97
17) Hexachloroethane	8.92	117	9240	2.67	ng/ul#	7
28) Naphthalene	10.66	128	106989	3.78	ng/ul	99
30) 4-Chloroaniline	10.66	127	14555	1.53	ng/ul#	9
34) 2-Methylnaphthalene	12.27	142	39139	1.81	ng/ul	97
44) Dimethylphthalate	13.91	163	514186	17.30	ng/ul	99
53) Dibenzofuran	14.86	168	36060	1.01	ng/ul	98
60) 4-Nitroaniline	15.53	138	44611	7.64	ng/ul	97
69) Phenanthrene	17.24	178	368869	8.25	ng/ul	98
71) Anthracene	17.24	178	368869	7.96	ng/ul	100
76) Fluoranthene	19.26	202	603305	11.23	ng/ul#	94
79) Pyrene	19.63	202	504624	12.90	ng/ul#	91
82) Benzo(a)anthracene	21.37	228	308272	7.77	ng/ul#	95
83) Bis(2-ethylhexyl)phthalate	21.29	149	27946	1.35	ng/ul#	84
84) Chrysene	21.42	228	374112	10.41	ng/ul#	94
87) Benzo(b)fluoranthene	22.99	252	554587	12.25	ng/ul	97
88) Benzo(k)fluoranthene	22.99	252	554587	12.89	ng/ul	97
90) Benzo(a)pyrene	23.58	252	363284	8.44	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	26.01	276	325533	6.27	ng/ul#	86
92) Dibenz(a,h)anthracene	26.00	278	90680	2.06	ng/ul#	65
93) Benzo(a,h,i)perylene	26.72	276	292095	6.83	ng/ul#	90

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Response via : Initial Calibration

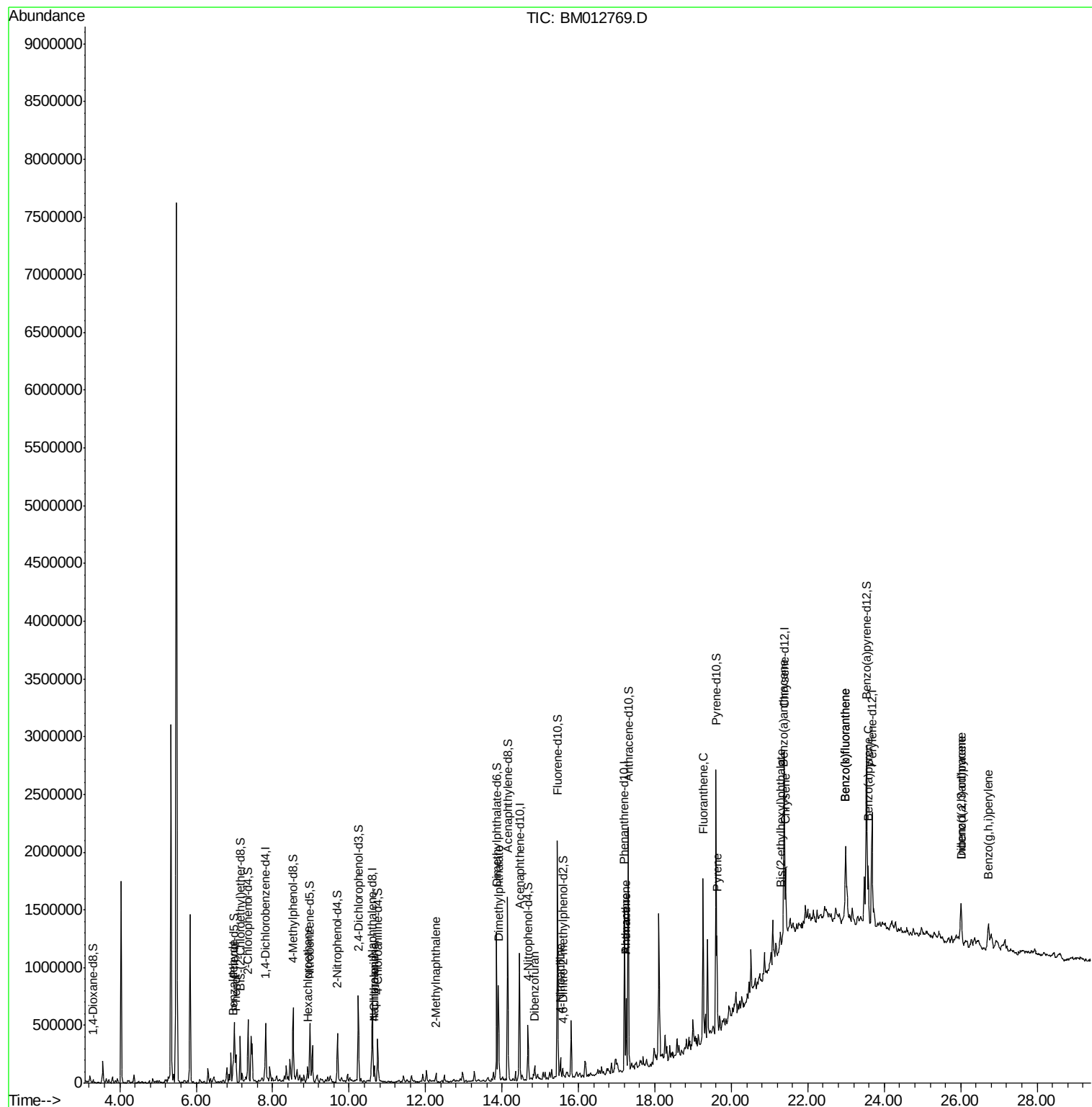
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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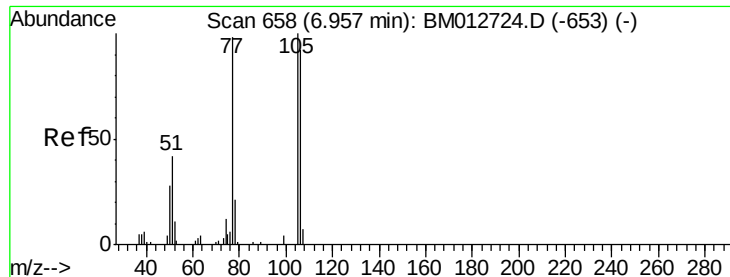
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 2.75 ng/ul

RT: 6.96 min Scan# 659

Delta R.T. 0.01 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Instrument :

BNA_M

ClientSampleId :

B-12(0-1)-101317

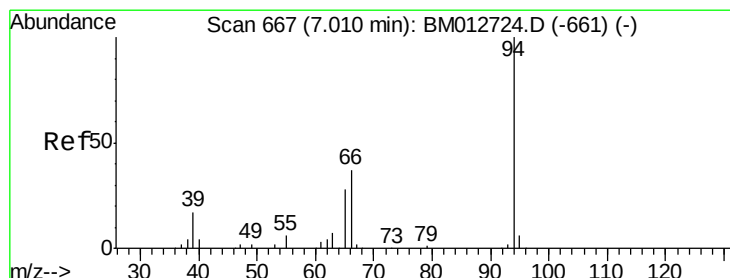
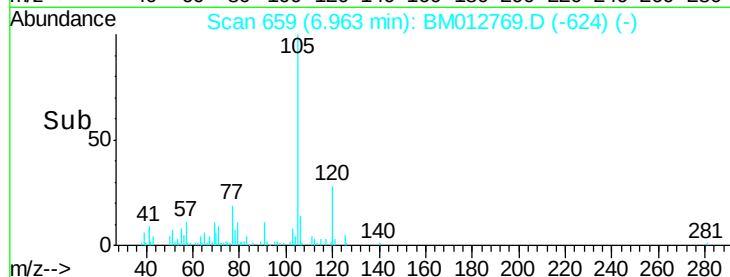
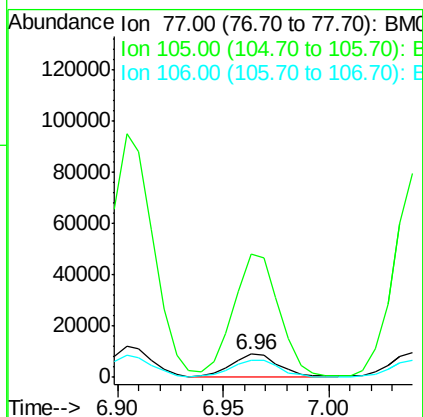
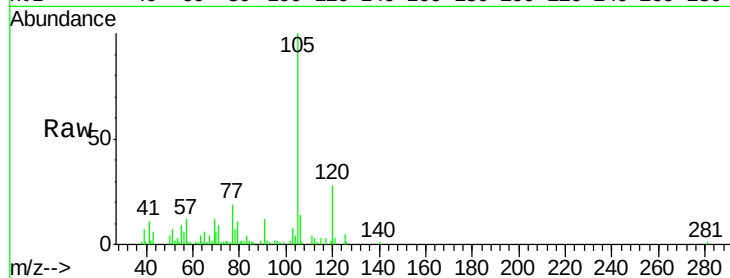
Tot Ion: 77 Resp: 14681

Ion Ratio Lower Upper

77 100

105 530.5 80.6 120.8#

106 76.0 77.7 116.5#



#6

Phenol

Concen: 5.46 ng/ul

RT: 7.03 min Scan# 670

Delta R.T. 0.02 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

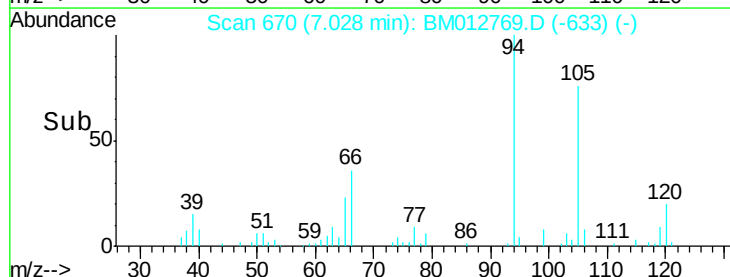
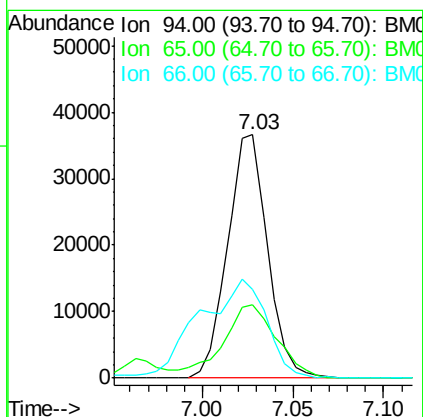
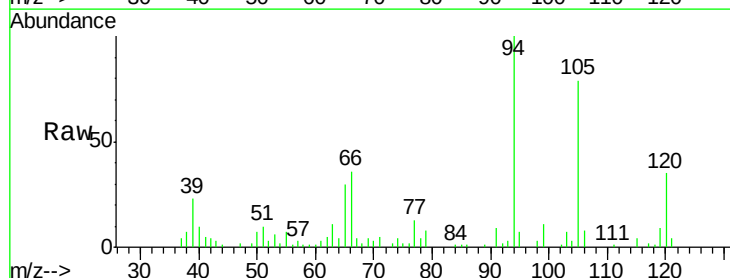
Tgt Ion: 94 Resp: 56274

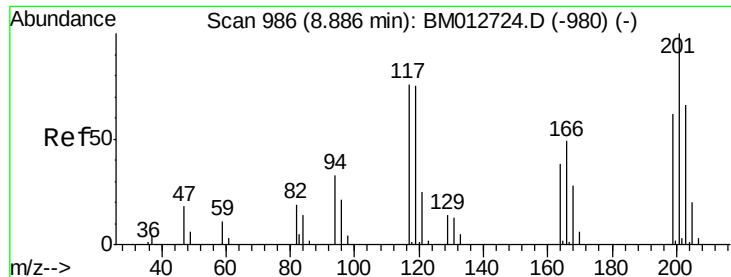
Ion Ratio Lower Upper

94 100

65 30.1 21.0 31.6

66 36.4 29.3 43.9





#17

Hexachloroethane

Concen: 2.67 ng/ul

RT: 8.92 min Scan# 991

Delta R.T. 0.04 min

Lab File: BM012769.D

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Instrument :

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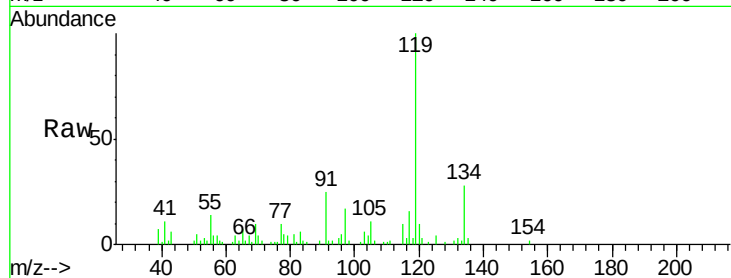
Tot Ion:117 Resp: 9240

Ion Ratio Lower Upper

117 100

201 0.0 81.5 122.3#

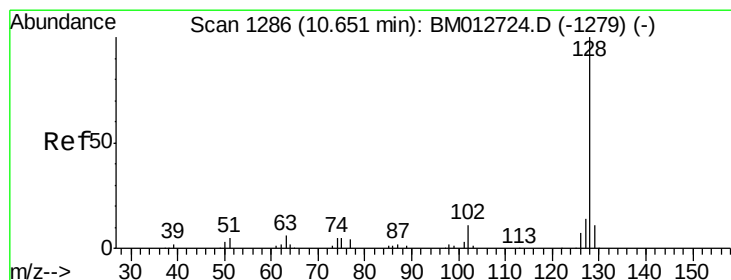
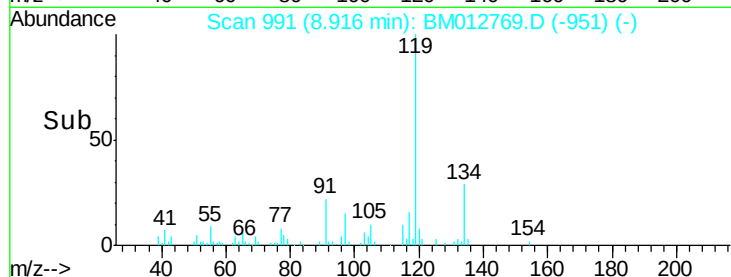
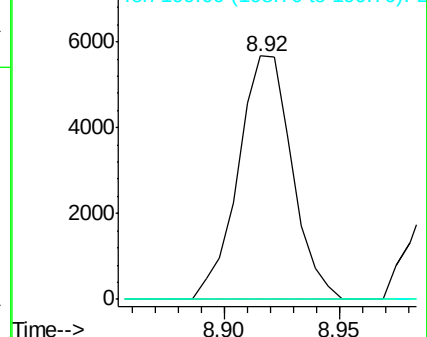
199 0.0 50.6 76.0#



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: 3.78 ng/ul

RT: 10.66 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

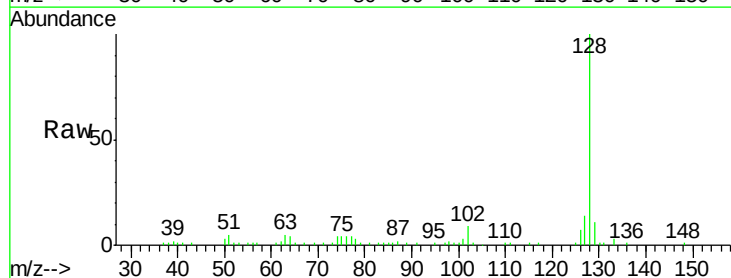
Tgt Ion:128 Resp: 106989

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

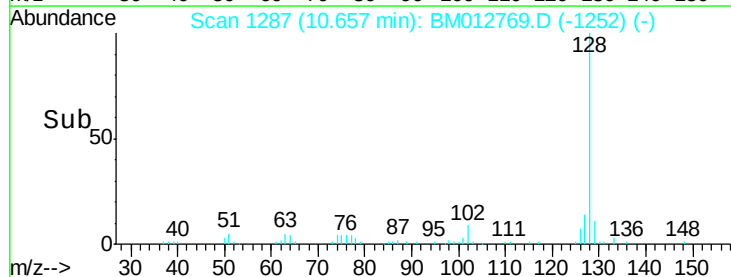
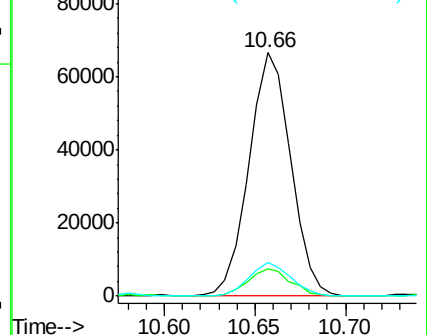
127 13.6 10.5 15.7

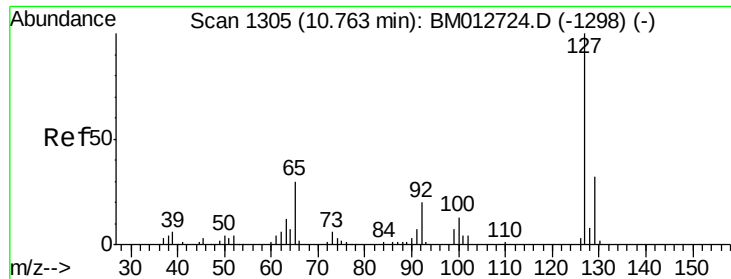


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

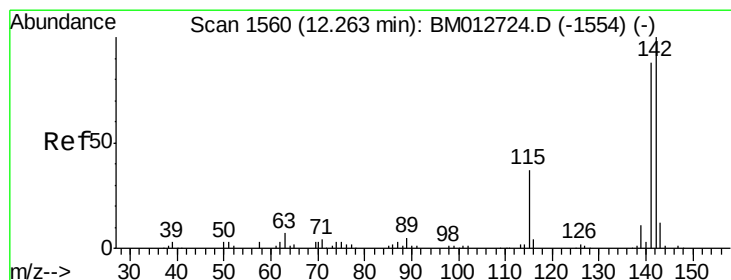
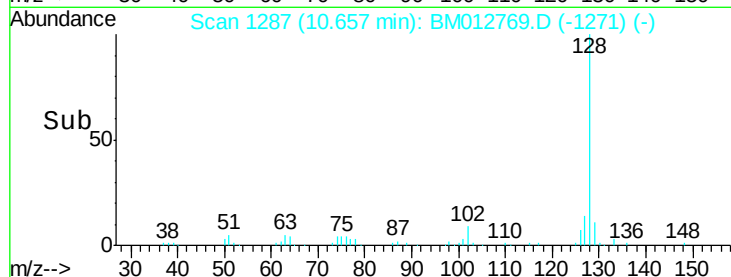
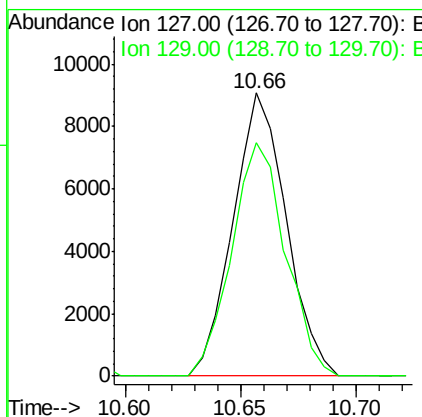
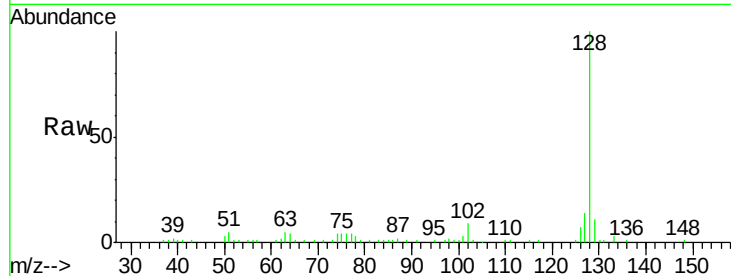




#30
 4-Chloroaniline
 Concen: 1.53 ng/ul
 RT: 10.66 min Scan# 1287
 Delta R.T. -0.11 min
 Lab File: BM012769.D
 Acq: 06 Nov 2017 09:21

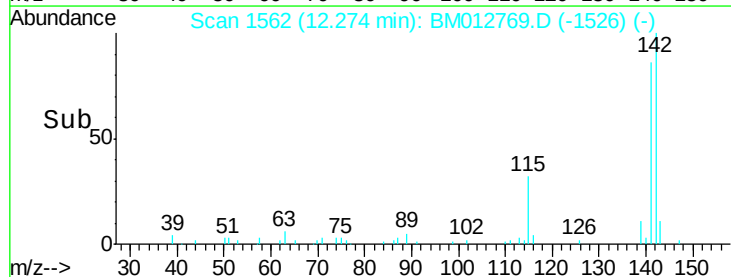
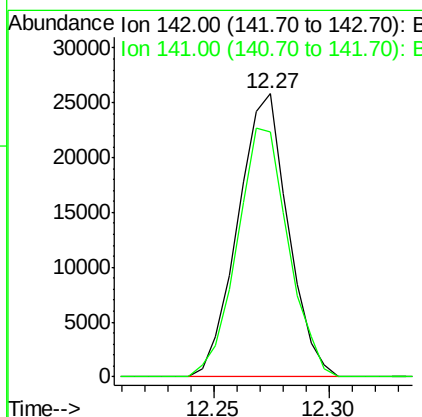
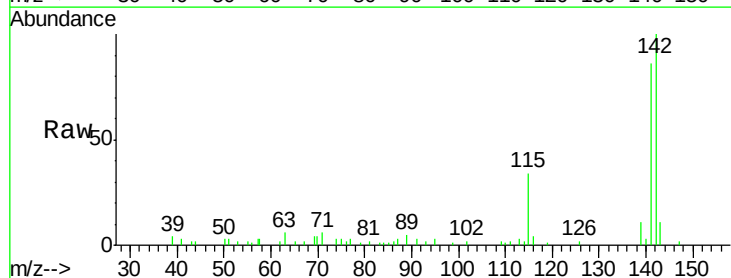
Instrument :
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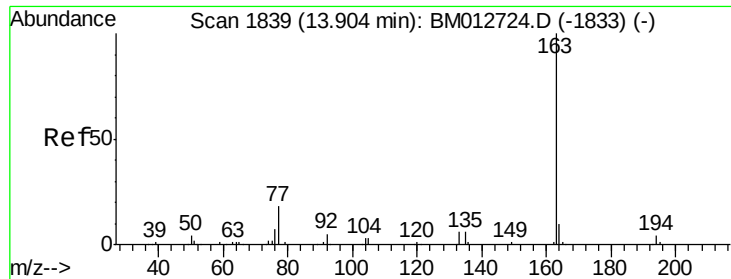
Tot Ion:127 Resp: 14555
 Ion Ratio Lower Upper
 127 100
 129 82.4 25.4 38.2#



#34
 2-Methylnaphthalene
 Concen: 1.81 ng/ul
 RT: 12.27 min Scan# 1562
 Delta R.T. 0.01 min
 Lab File: BM012769.D
 Acq: 06 Nov 2017 09:21

Tgt Ion:142 Resp: 39139
 Ion Ratio Lower Upper
 142 100
 141 86.3 71.6 107.4

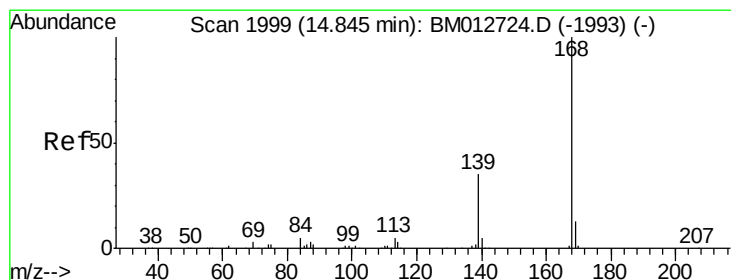
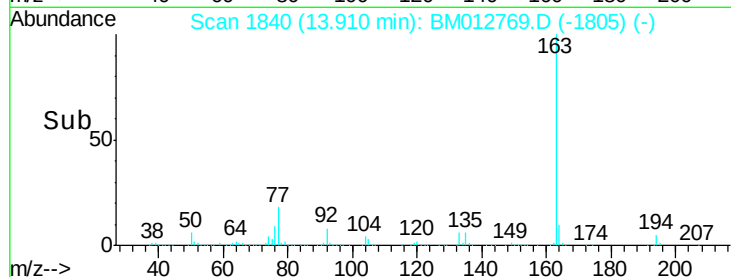
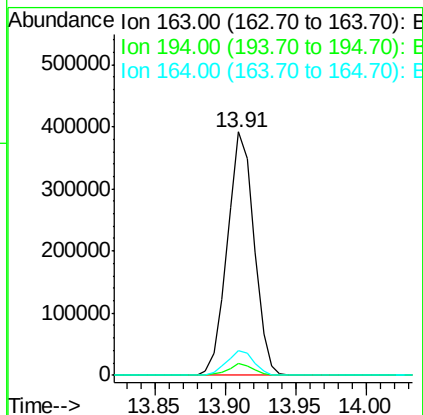
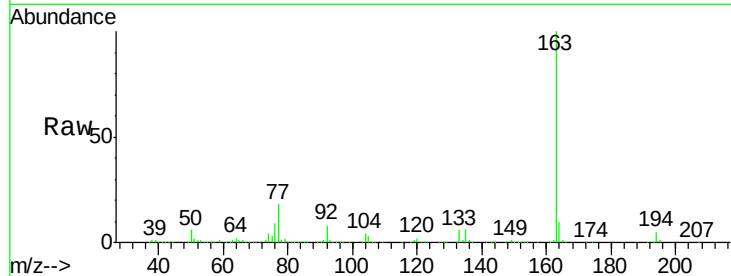




#44
Dimethylphthalate
Concen: 17.30 ng/ul
RT: 13.91 min Scan# 1840
Delta R.T. 0.01 min
Lab File: BM012769.D
Acq: 06 Nov 2017 09:21

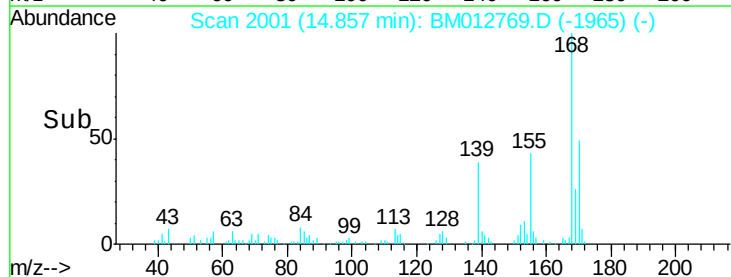
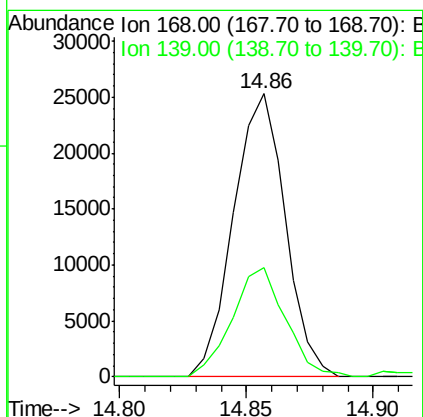
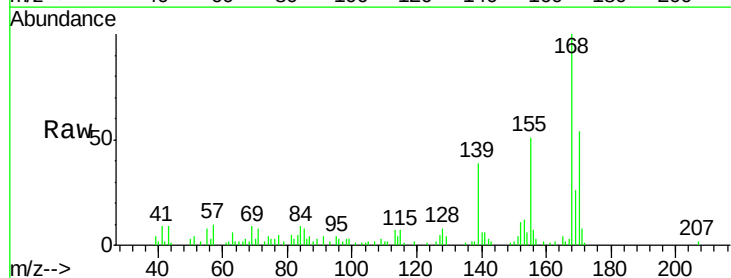
Instrument :
BNA_M
ClientSampleId :
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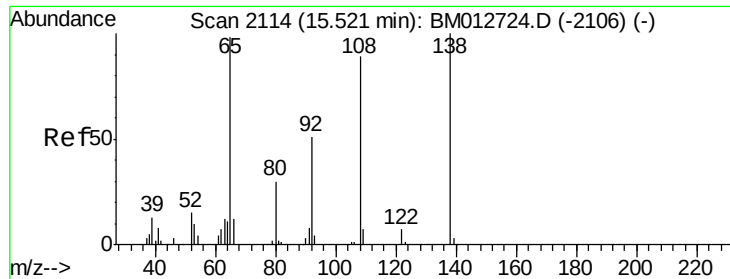
Tot Ion:163 Resp: 514186
Ion Ratio Lower Upper
163 100
194 4.7 3.2 4.8
164 10.2 7.8 11.8



#53
Dibenzofuran
Concen: 1.01 ng/ul
RT: 14.86 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BM012769.D
Acq: 06 Nov 2017 09:21

Tgt Ion:168 Resp: 36060
Ion Ratio Lower Upper
168 100
139 38.8 32.2 48.2

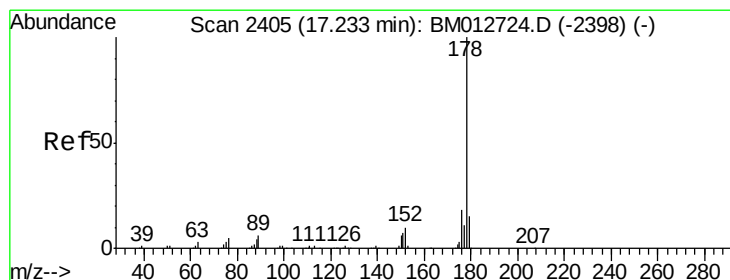
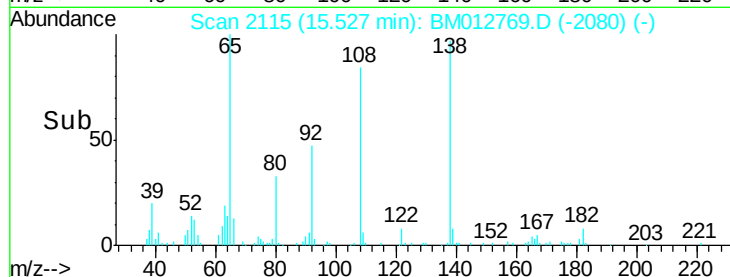
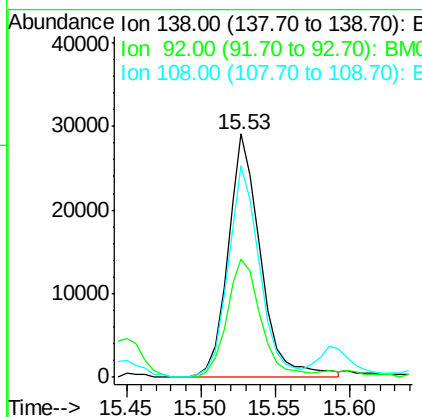
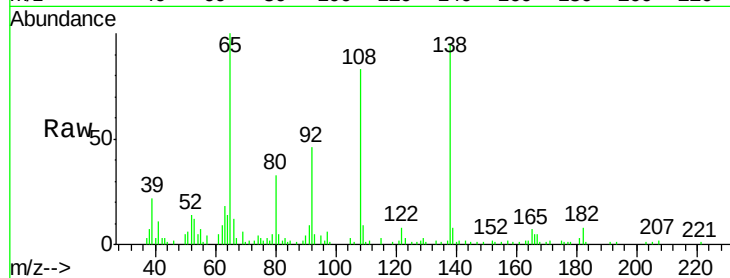




#60
4-Nitroaniline
Concen: 7.64 ng/ul
RT: 15.53 min Scan# 2115
Delta R.T. 0.01 min
Lab File: BM012769.D
Acq: 06 Nov 2017 09:21

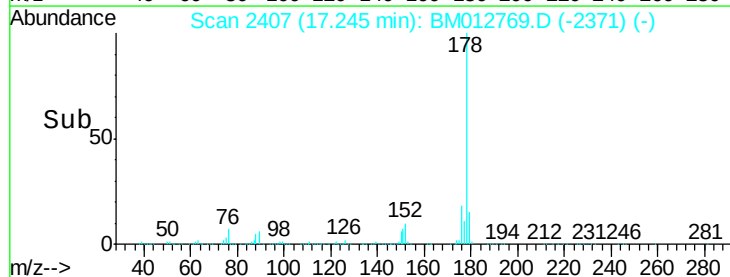
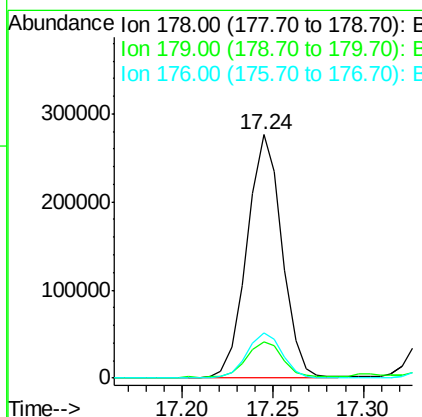
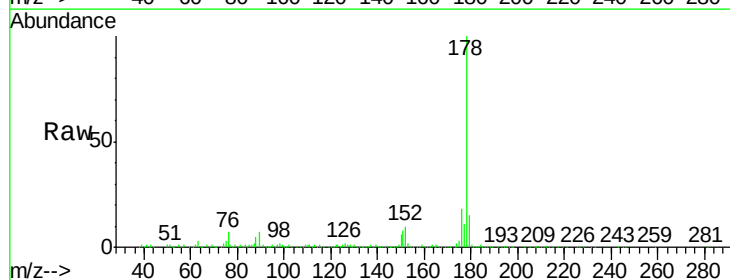
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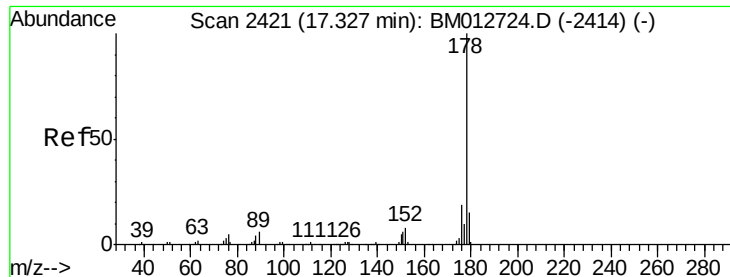
Tot Ion:138 Resp: 44611
Ion Ratio Lower Upper
138 100
92 48.7 40.6 60.8
108 86.7 67.0 100.6



#69
Phenanthrene
Concen: 8.25 ng/ul
RT: 17.24 min Scan# 2407
Delta R.T. 0.01 min
Lab File: BM012769.D
Acq: 06 Nov 2017 09:21

Tgt Ion:178 Resp: 368869
Ion Ratio Lower Upper
178 100
179 15.1 12.2 18.4
176 18.4 15.6 23.4

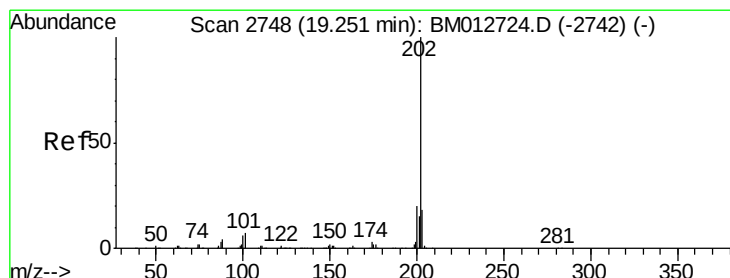
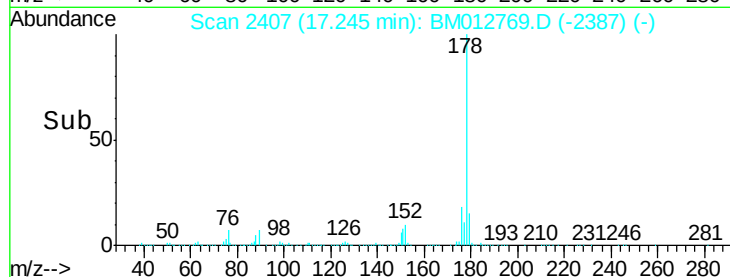
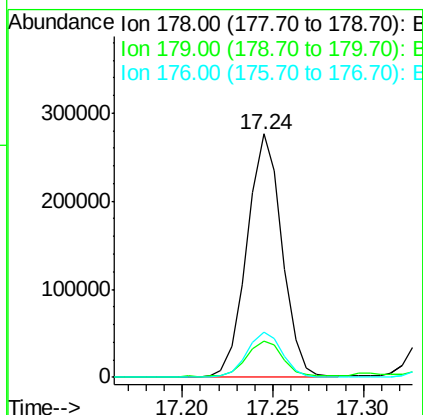
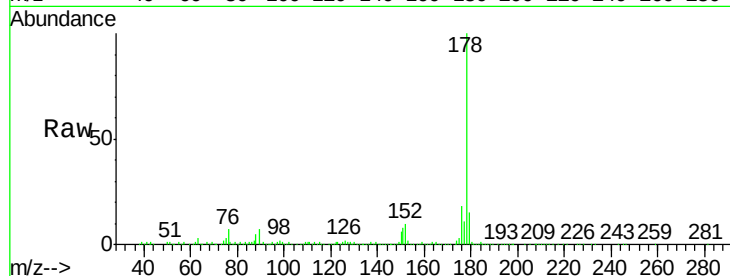




#71
 Anthracene
 Concen: 7.96 ng/ul
 RT: 17.24 min Scan# 2407
 Delta R.T. -0.08 min
 Lab File: BM012769.D
 Acq: 06 Nov 2017 09:21

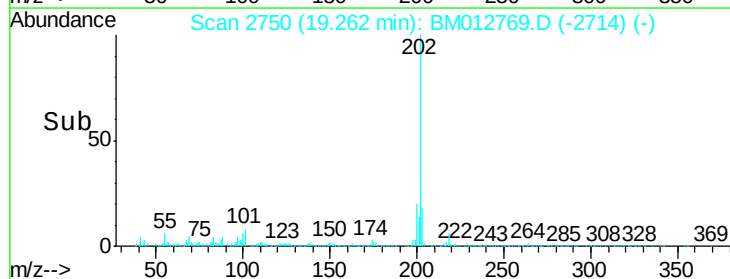
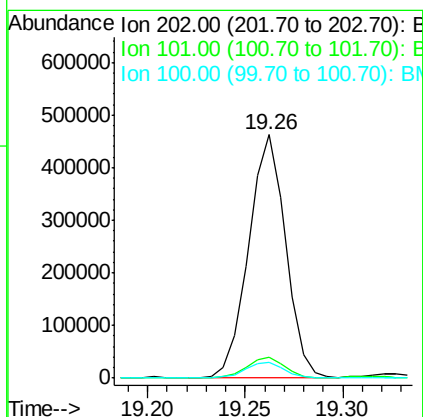
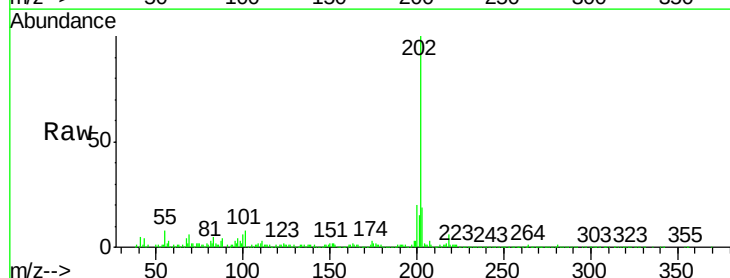
Instrument :
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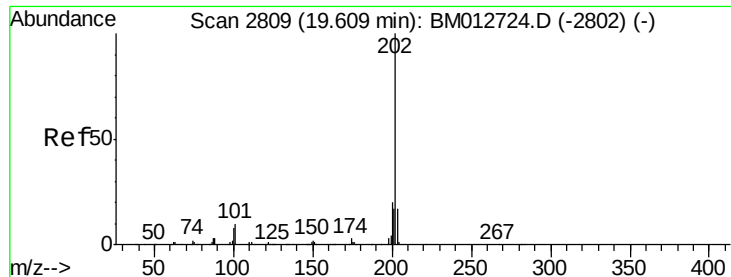
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.1	18.1
176	18.4	14.8	22.2



#76
 Fluoranthene
 Concen: 11.23 ng/ul
 RT: 19.26 min Scan# 2750
 Delta R.T. 0.01 min
 Lab File: BM012769.D
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	8.8	13.2#
100	6.3	6.6	9.8#





#79

Pvrene

Concen: 12.90 ng/ul

RT: 19.63 min Scan# 2812

Delta R.T. 0.02 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

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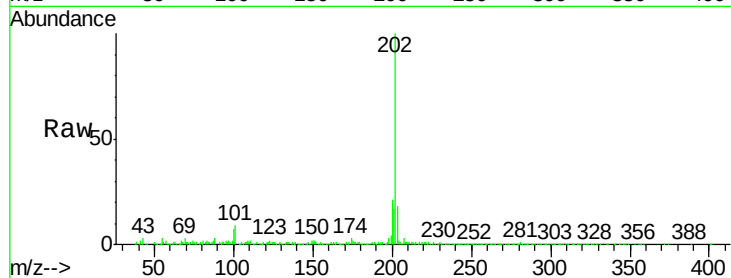
Tot Ion:202 Resp: 504624

Ion Ratio Lower Upper

202 100

101 9.2 10.2 15.2#

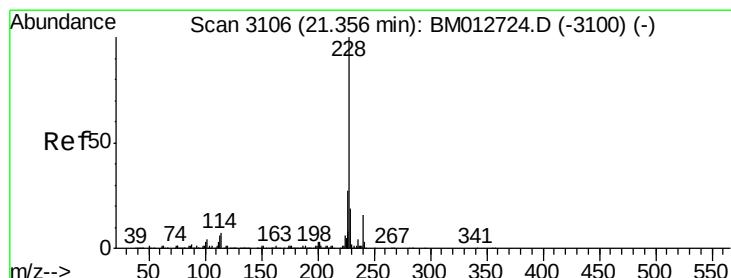
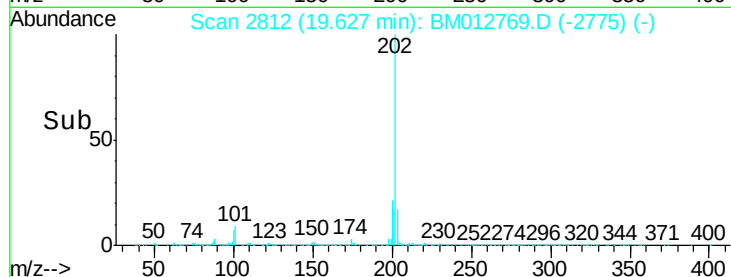
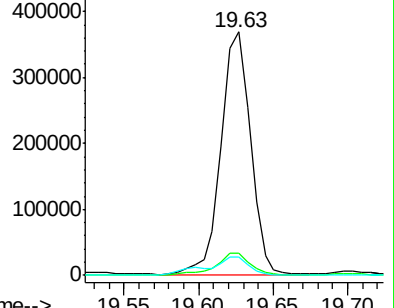
100 7.5 8.5 12.7#



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



#82

Benzo(a)anthracene

Concen: 7.77 ng/ul

RT: 21.37 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

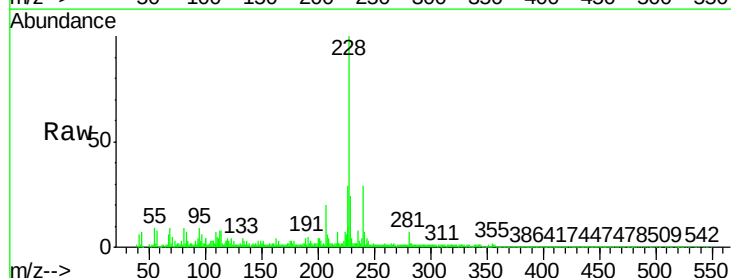
Tgt Ion:228 Resp: 308272

Ion Ratio Lower Upper

228 100

229 23.7 15.7 23.5#

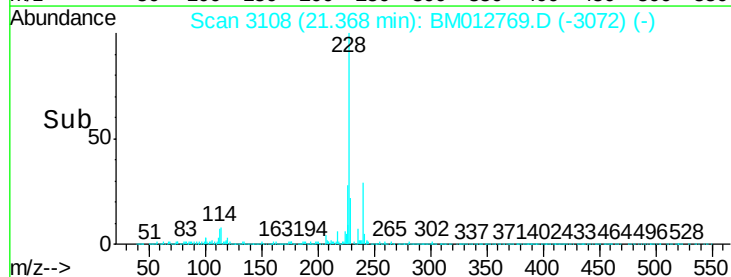
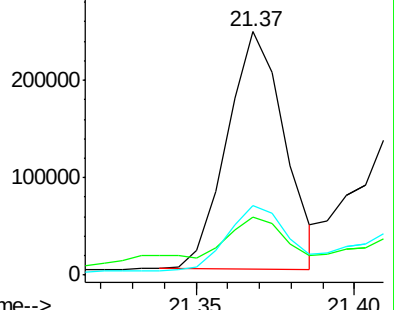
226 28.6 21.8 32.6

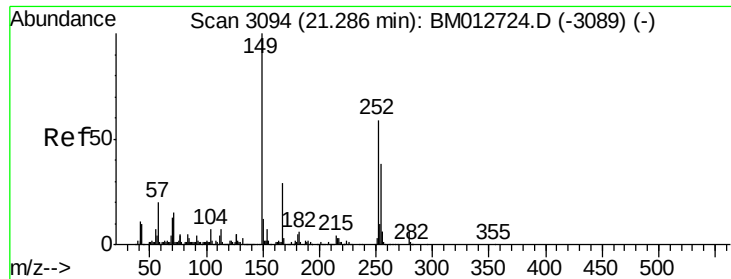


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 1.35 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Instrument :

BNA_M

ClientSampleId :

B-12(0-1)-101317

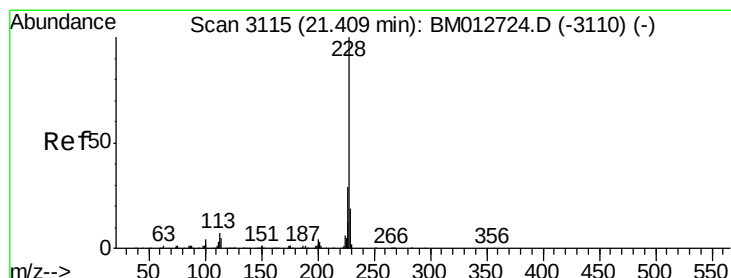
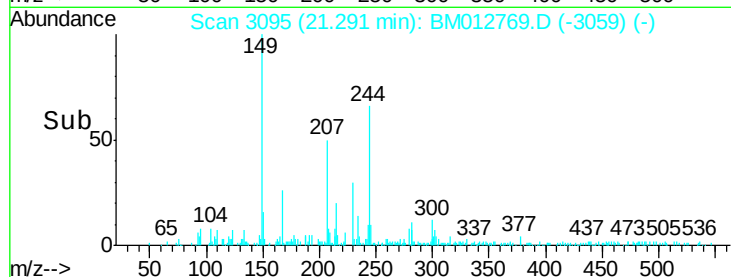
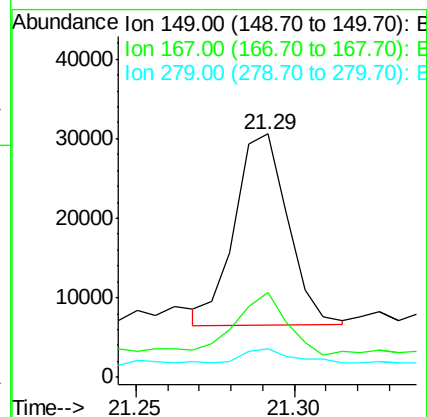
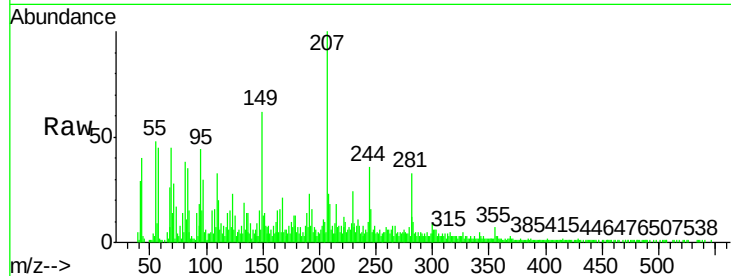
Tot Ion:149 Resp: 27946

Ion Ratio Lower Upper

149 100

167 34.7 21.6 32.4#

279 12.0 3.0 4.4#



#84

Chrysene

Concen: 10.41 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. 0.01 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

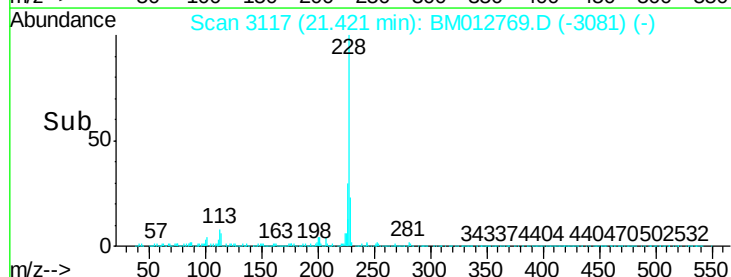
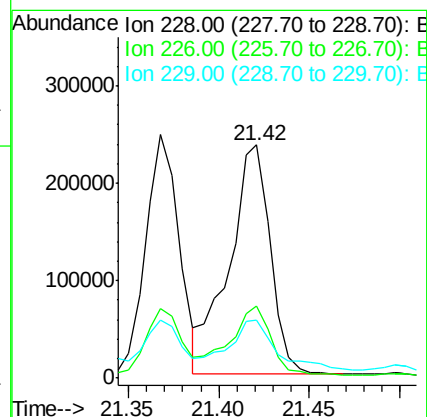
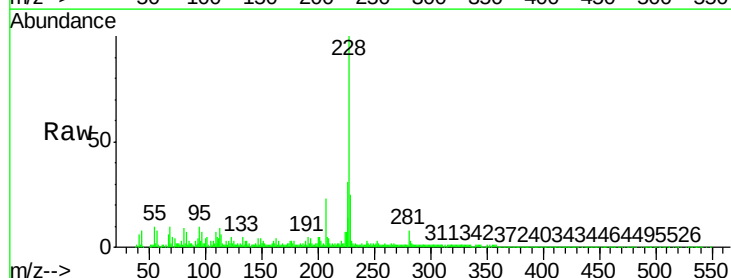
Tgt Ion:228 Resp: 374112

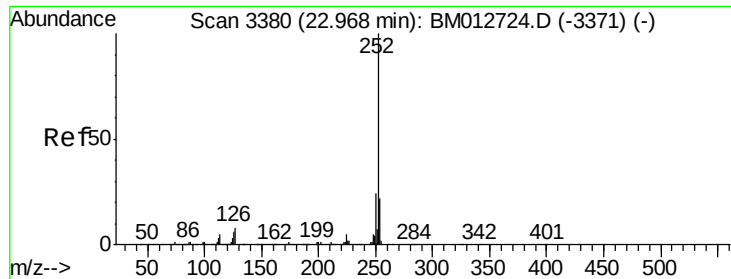
Ion Ratio Lower Upper

228 100

226 30.9 24.0 36.0

229 24.8 15.6 23.4#





#87

Benzo(b)fluoranthene

Concen: 12.25 ng/ul

RT: 22.99 min Scan# 3384

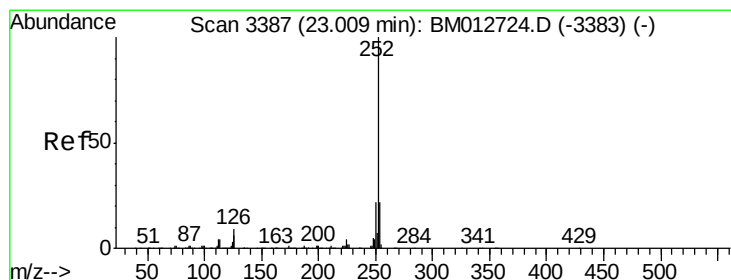
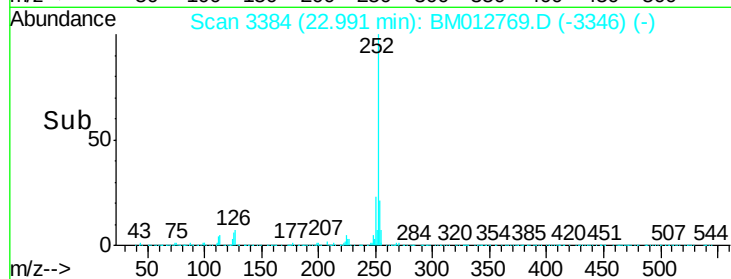
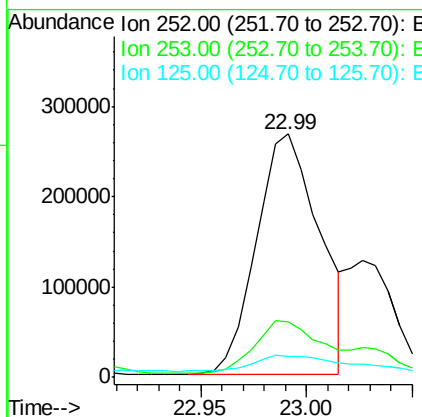
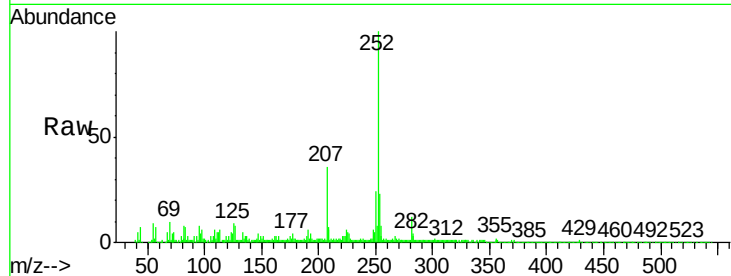
Delta R.T. 0.02 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Instrument :
BNA_M
ClientSampleId :
B-12(0-1)-101317

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	8.8	8.5	12.7



#88

Benzo(k)fluoranthene

Concen: 12.89 ng/ul

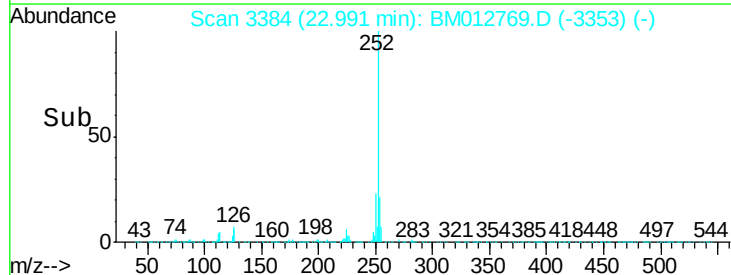
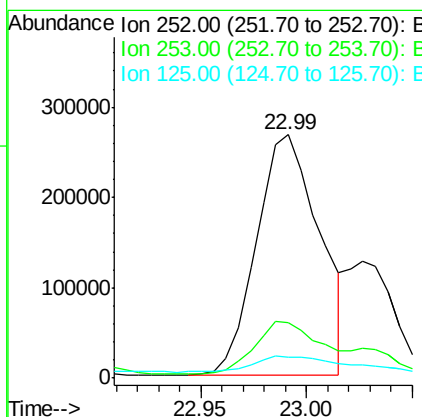
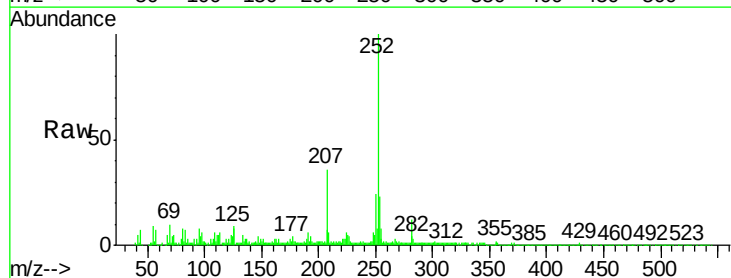
RT: 22.99 min Scan# 3384

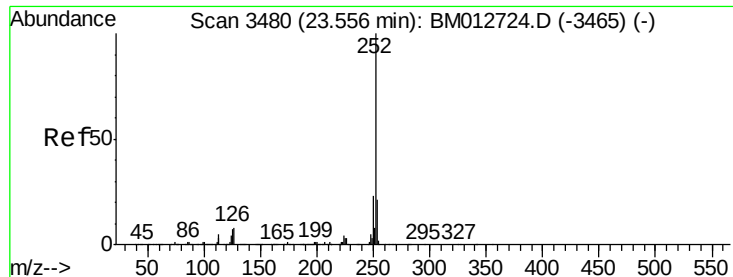
Delta R.T. -0.02 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.3	25.9
125	8.8	8.2	12.2





#90

Benzo(a)pyrene

Concen: 8.44 ng/ul

RT: 23.58 min Scan# 3484

Delta R.T. 0.02 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Instrument :

BNA_M

ClientSampleId :

B-12(0-1)-101317

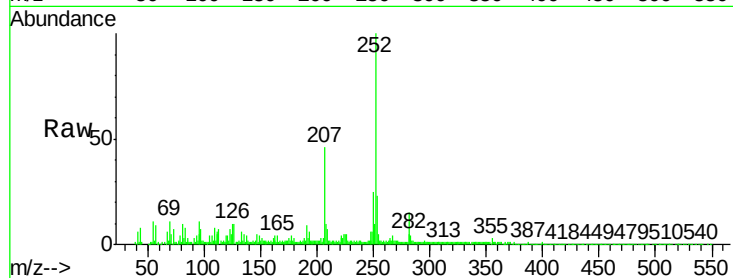
Tot Ion:252 Resp: 363284

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

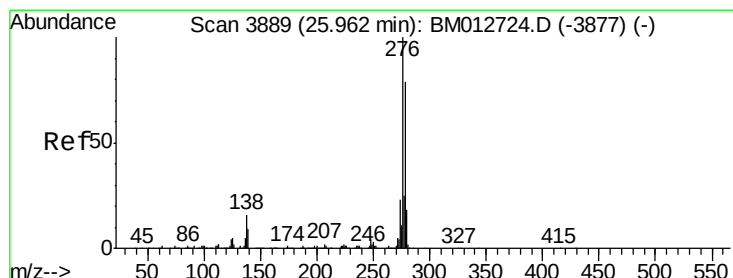
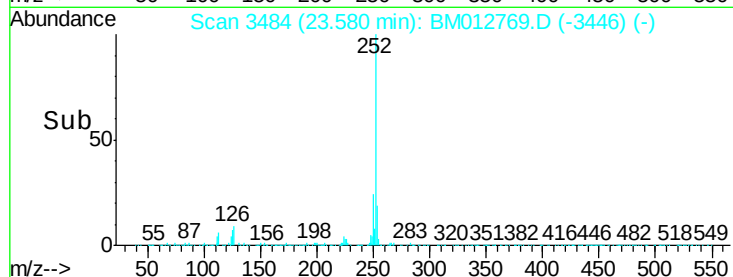
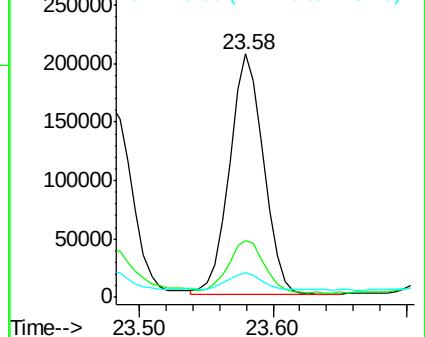
125 10.4 9.0 13.6



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 6.27 ng/ul

RT: 26.01 min Scan# 3897

Delta R.T. 0.04 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

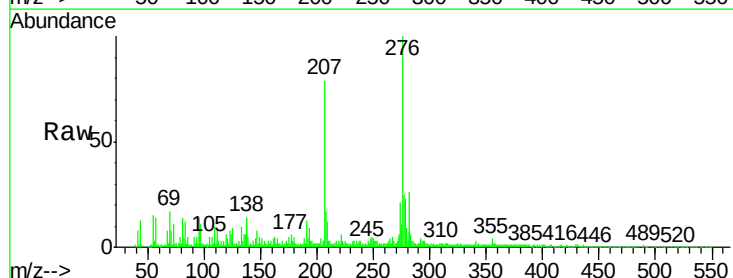
Tgt Ion:276 Resp: 325533

Ion Ratio Lower Upper

276 100

138 14.0 22.3 33.5#

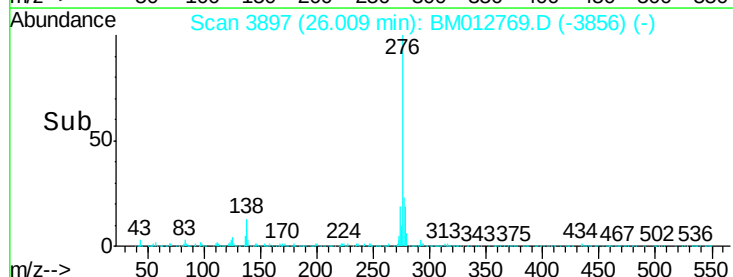
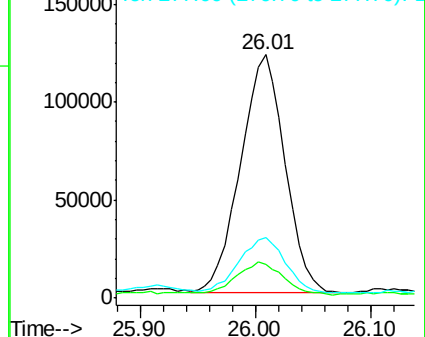
277 25.0 20.2 30.2

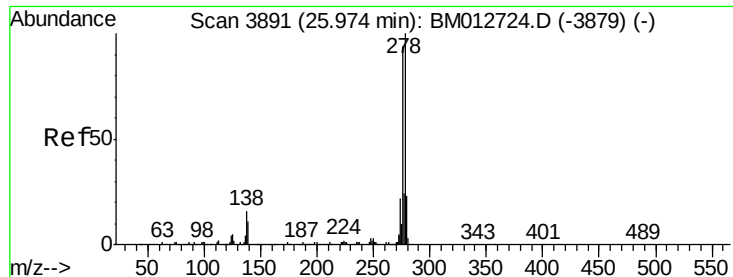


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 2.06 ng/ul

RT: 26.00 min Scan# 3896

Delta R.T. 0.03 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Instrument :

BNA_M

ClientSampleId :

B-12(0-1)-101317

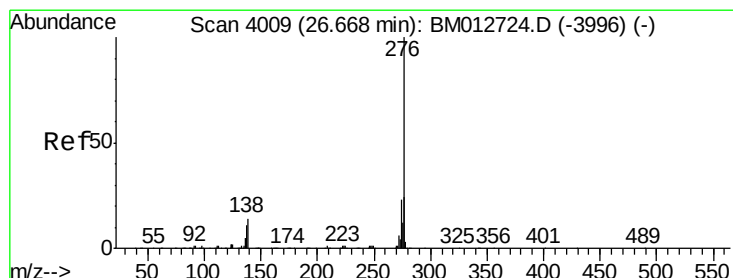
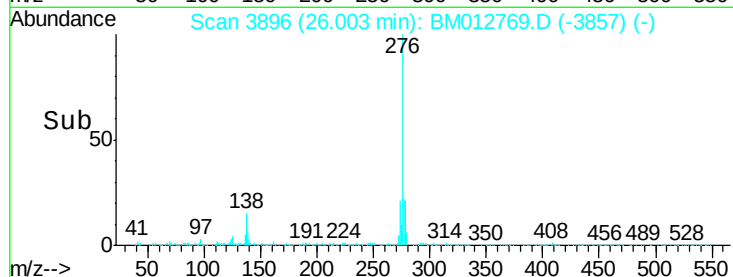
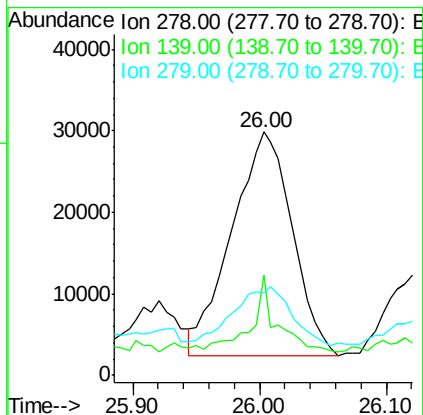
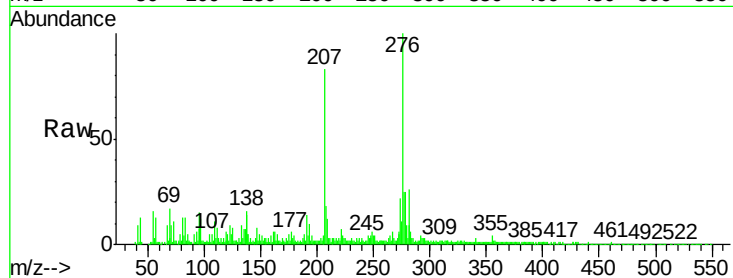
Tot Ion:278 Resp: 90680

Ion Ratio Lower Upper

278 100

139 41.3 13.9 20.9#

279 33.9 19.0 28.4#



#93

Benzo(g,h,i)perylene

Concen: 6.83 ng/ul

RT: 26.72 min Scan# 4018

Delta R.T. 0.05 min

Lab File: BM012769.D

Acq: 06 Nov 2017 09:21

Tgt Ion:276 Resp: 292095

Ion Ratio Lower Upper

276 100

138 15.2 18.9 28.3#

277 25.8 19.2 28.8

