

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
 Data File : BM012589.D
 Acq On : 31 Oct 2017 00:37
 Operator : SJ/JU
 Sample : I5886-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 31 04:51:39 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	342376	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1314083	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	775505	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1823057	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	2146789	20.00	ng/ul	0.00
83) Perylene-d12	23.70	264	2384478	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.35	96	27135	4.05	ng/uL	0.00
5) Phenol-d5	7.02	99	486883	17.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	298064	17.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	393757	18.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	376584	15.41	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	189506	23.03	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	212233	25.03	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	401779	17.89	ng/ul	0.00
29) 4-Chloroaniline-d4	10.78	131	234698	9.91	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1179073	17.40	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1464690	18.28	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	159526	15.84	ng/ul	0.00
57) Fluorene-d10	15.47	176	1030992	17.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	153481	17.40	ng/ul	0.00
70) Anthracene-d10	17.33	188	1533819	17.65	ng/ul	0.00
76) Pyrene-d10	19.62	212	1775901	18.03	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.55	264	1948697	17.20	ng/ul	0.00

Target Compounds

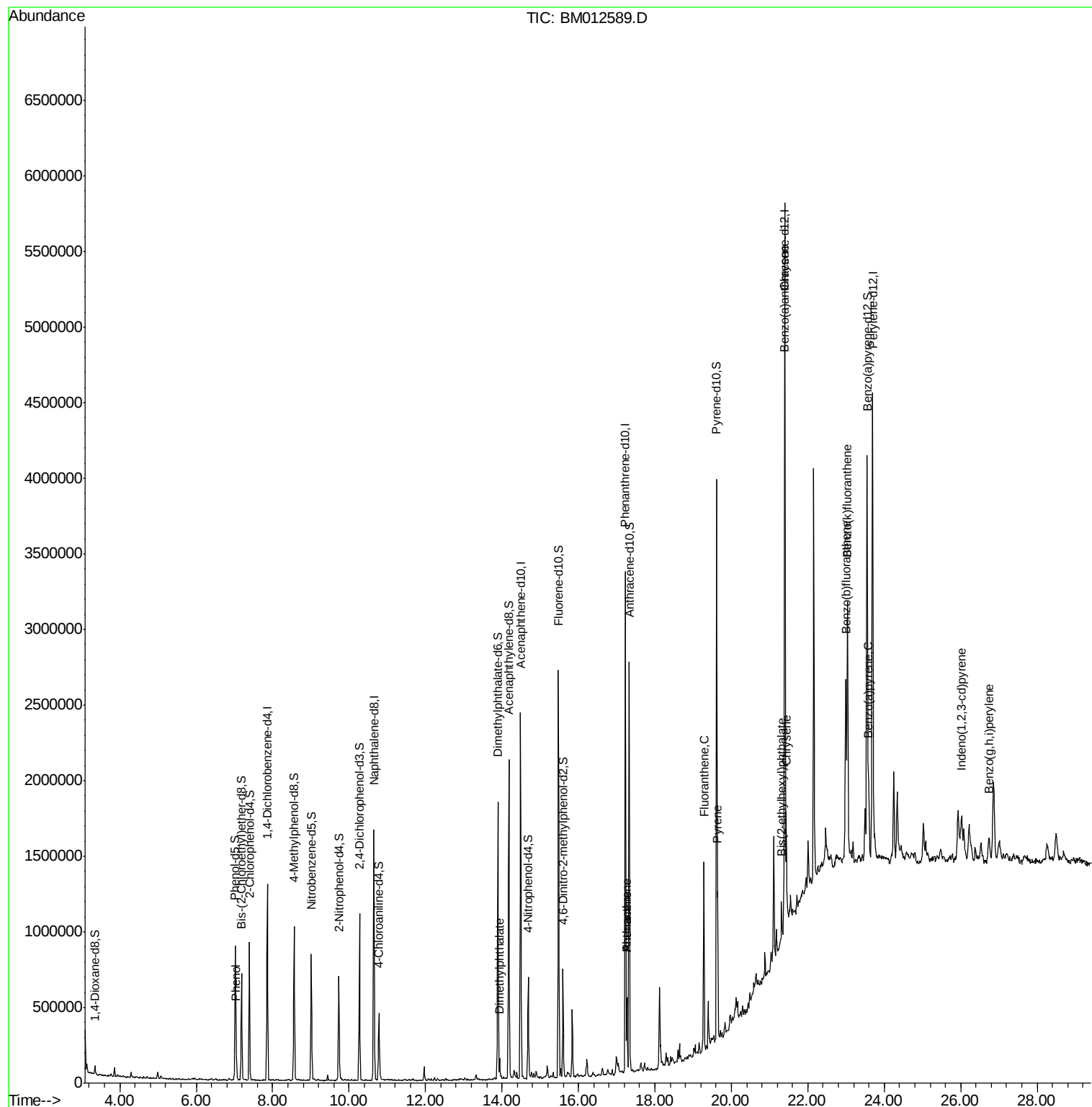
					Ovalue	
6) Phenol	7.05	94	70497	2.37	ng/ul#	85
44) Dimethylphthalate	13.94	163	79112	1.18	ng/ul	98
69) Phenanthrene	17.27	178	278244	2.82	ng/ul	99
71) Anthracene	17.27	178	278244	2.73	ng/ul	97
74) Fluoranthene	19.28	202	728445	6.52	ng/ul#	92
77) Pyrene	19.64	202	602634	4.94	ng/ul#	94
80) Benzo(a)anthracene	21.39	228	300982	2.34	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.32	149	84139	1.15	ng/ul	99
82) Chrysene	21.43	228	384711	3.37	ng/ul	98
85) Benzo(b)fluoranthene	23.00	252	572299	3.88	ng/ul#	96
86) Benzo(k)fluoranthene	23.04	252	202138	1.46	ng/ul#	85
88) Benzo(a)pyrene	23.60	252	331938	2.36	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.02	276	292238	1.77	ng/ul#	95
91) Benzo(g,h,i)perylene	26.73	276	236587	1.76	ng/ul#	93

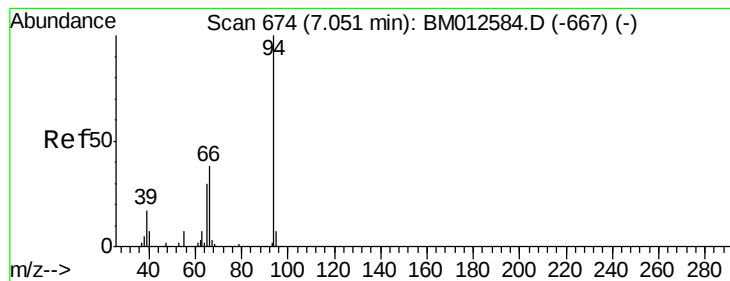
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#6

Phenol

Concen: 2.37 ng/ul

RT: 7.05 min Scan# 674

Delta R.T. 0.00 min

Lab File: BM012589.D

Acq: 31 Oct 2017 00:37

Instrument :

BNA_M

ClientSampleId :

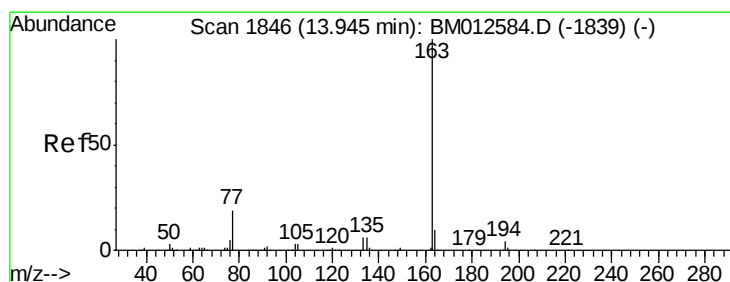
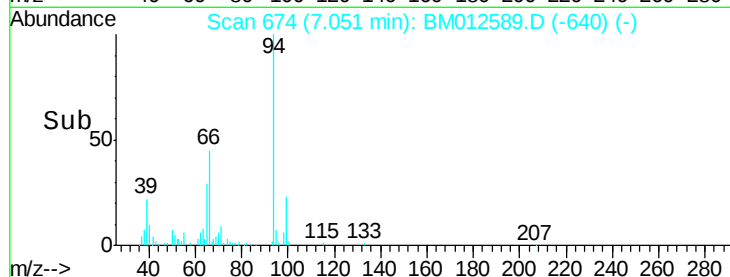
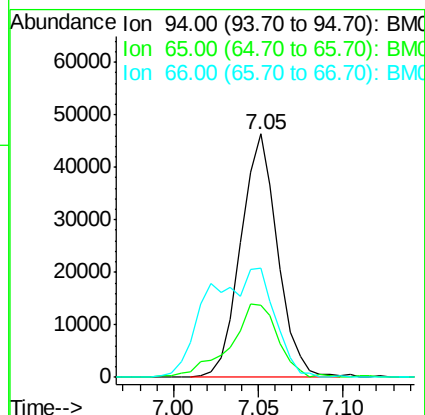
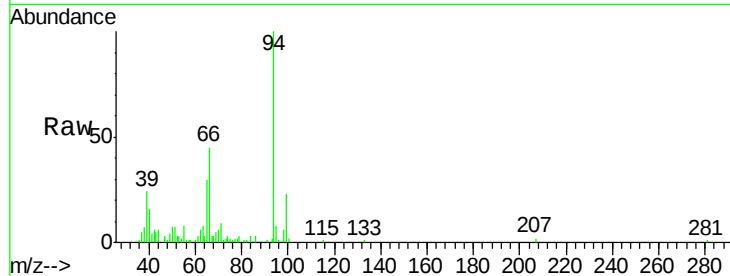
Tot Ion: 94 Resp: 70497

Ion Ratio Lower Upper

94 100

65 29.7 28.2 42.4

66 44.9 47.2 70.8#



#44

Dimethylphthalate

Concen: 1.18 ng/ul

RT: 13.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BM012589.D

Acq: 31 Oct 2017 00:37

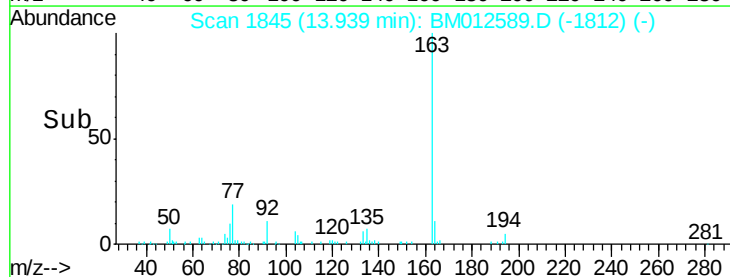
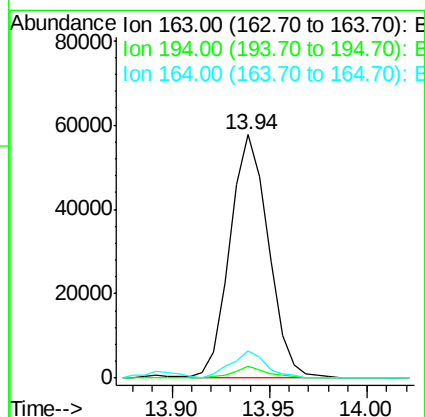
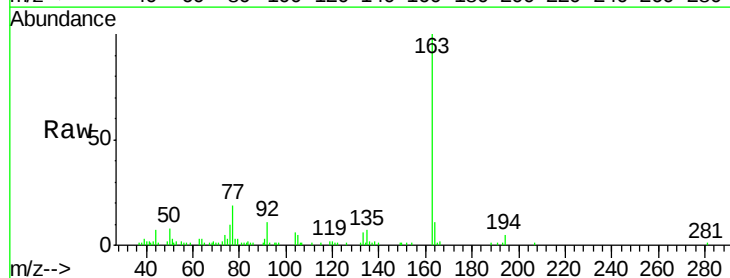
Tgt Ion:163 Resp: 79112

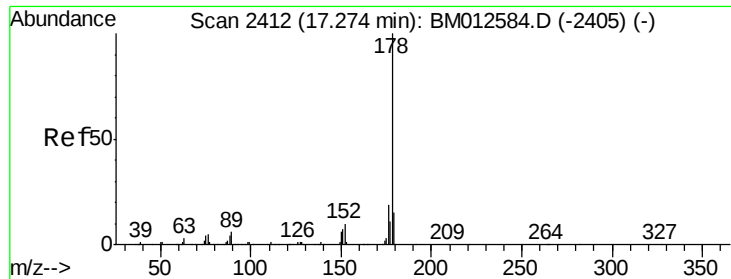
Ion Ratio Lower Upper

163 100

194 4.7 3.5 5.3

164 11.0 8.2 12.4





#69

Phenanthrene

Concen: 2.82 ng/ul

RT: 17.27 min Scan# 2411

Delta R.T. -0.01 min

Lab File: BM012589.D

Acq: 31 Oct 2017 00:37

Instrument :

BNA_M

ClientSampled :

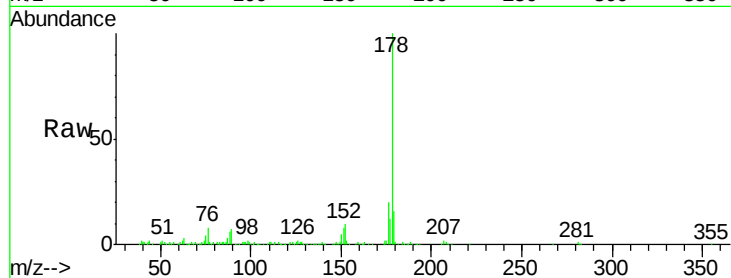
Tot Ion:178 Resp: 278244

Ion Ratio Lower Upper

178 100

179 15.9 12.6 19.0

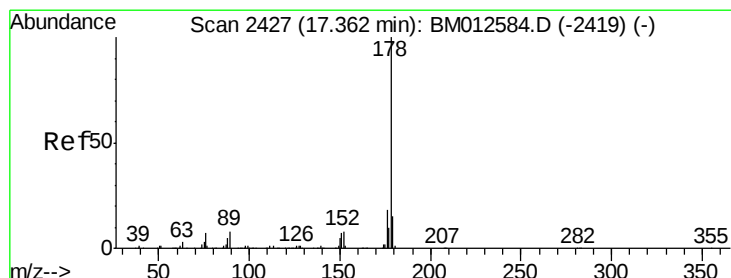
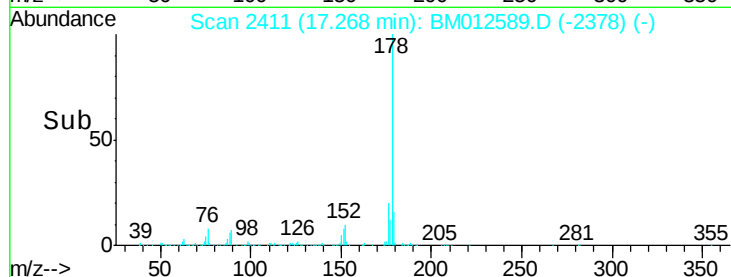
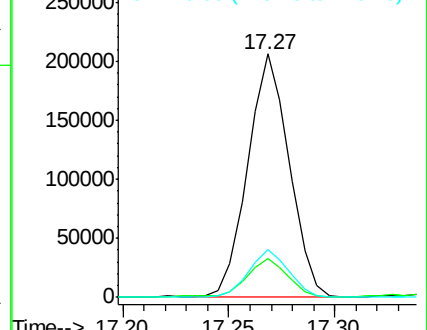
176 19.6 14.9 22.3



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: 2.73 ng/ul

RT: 17.27 min Scan# 2411

Delta R.T. -0.09 min

Lab File: BM012589.D

Acq: 31 Oct 2017 00:37

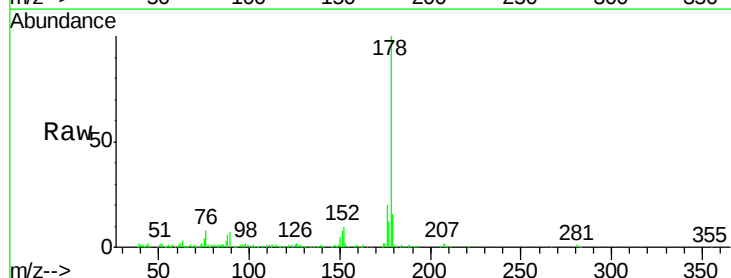
Tgt Ion:178 Resp: 278244

Ion Ratio Lower Upper

178 100

179 15.9 11.7 17.5

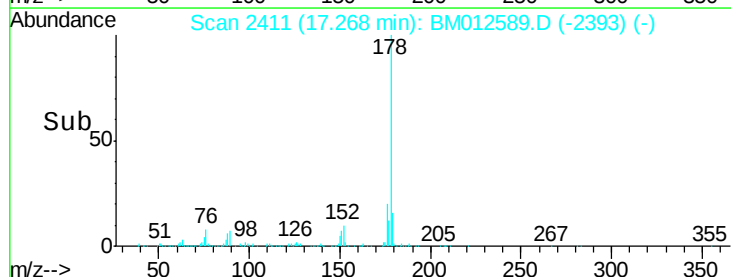
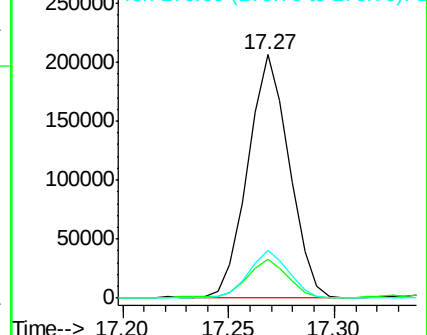
176 19.6 14.6 21.8

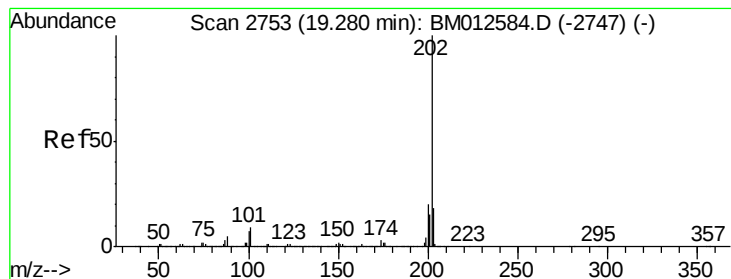


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 6.52 ng/ul

RT: 19.28 min Scan# 2753

Delta R.T. 0.00 min

Lab File: BM012589.D

Acq: 31 Oct 2017 00:37

Instrument :

BNA_M

ClientSampleId :

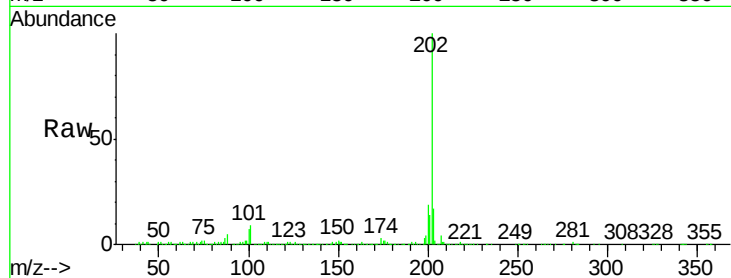
Tot Ion:202 Resp: 728445

Ion Ratio Lower Upper

202 100

101 8.9 4.6 7.0#

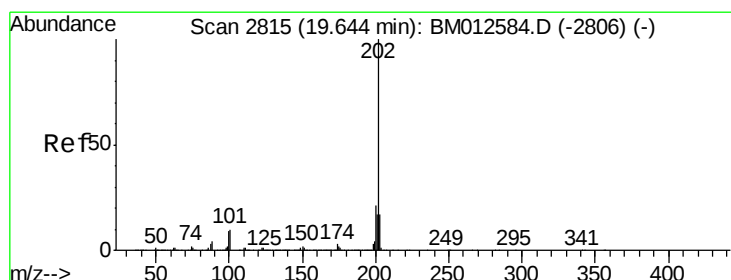
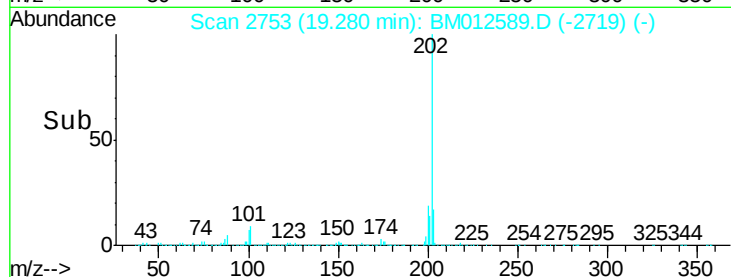
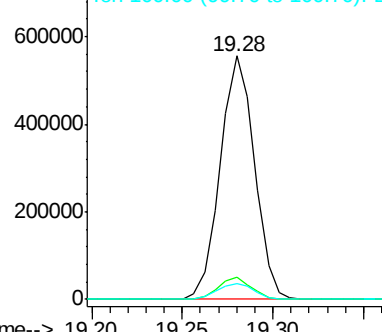
100 6.6 3.4 5.2#



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: 4.94 ng/ul

RT: 19.64 min Scan# 2815

Delta R.T. 0.00 min

Lab File: BM012589.D

Acq: 31 Oct 2017 00:37

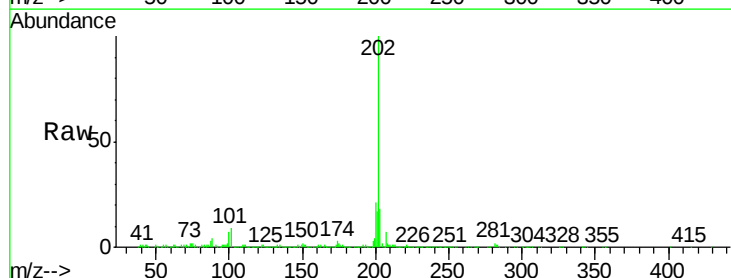
Tgt Ion:202 Resp: 602634

Ion Ratio Lower Upper

202 100

101 9.1 5.1 7.7#

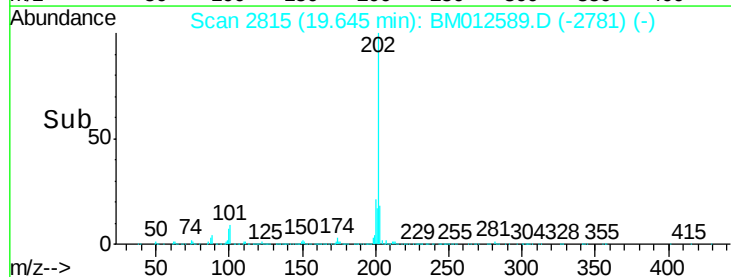
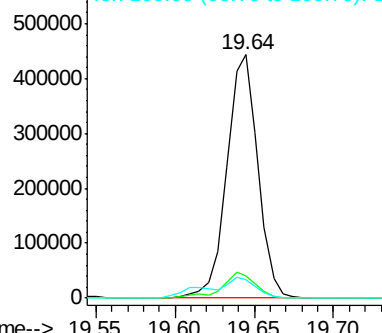
100 7.4 4.9 7.3#

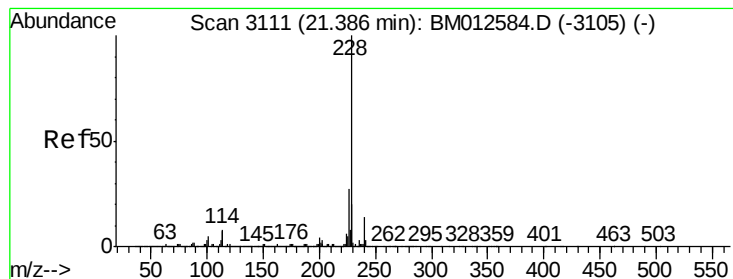


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 2.34 ng/ul

RT: 21.39 min Scan# 3111

Delta R.T. 0.00 min

Lab File: BM012589.D

Acq: 31 Oct 2017 00:37

Instrument :

BNA_M

ClientSampleId :

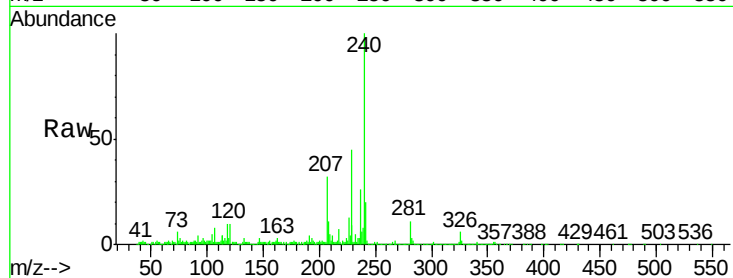
Tot Ion:228 Resp: 300982

Ion Ratio Lower Upper

228 100

229 20.9 15.4 23.0

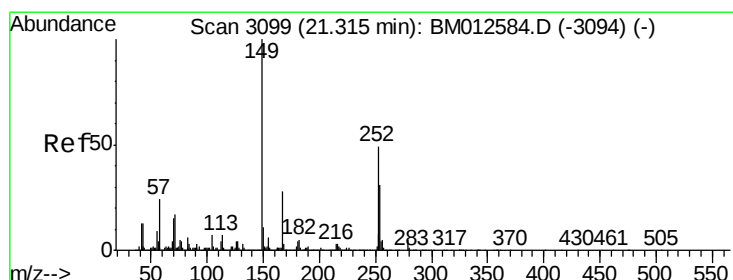
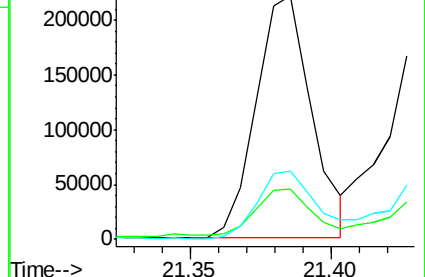
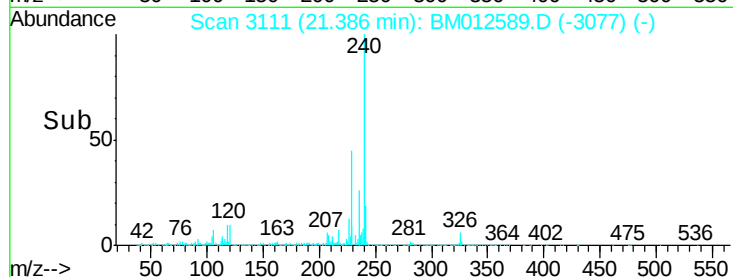
226 28.3 21.4 32.0



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: 1.15 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM012589.D

Acq: 31 Oct 2017 00:37

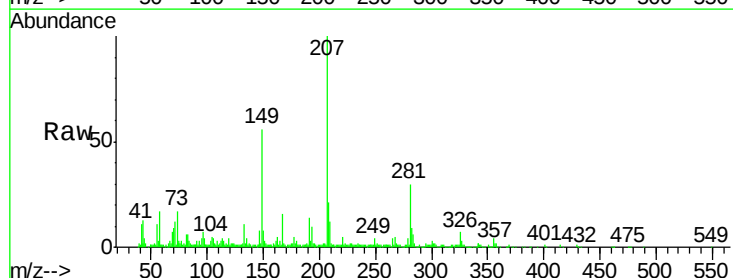
Tgt Ion:149 Resp: 84139

Ion Ratio Lower Upper

149 100

167 28.2 22.8 34.2

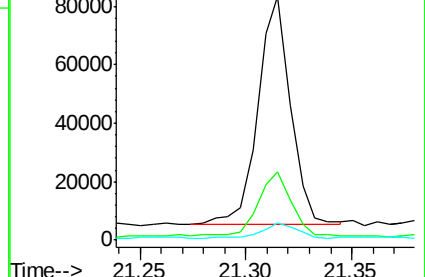
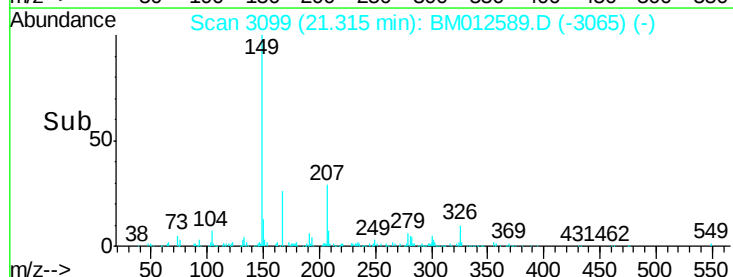
279 6.9 4.9 7.3

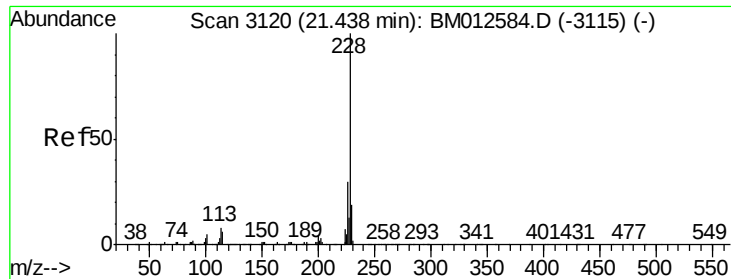


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 3.37 ng/ul

RT: 21.43 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BM012589.D

Acq: 31 Oct 2017 00:37

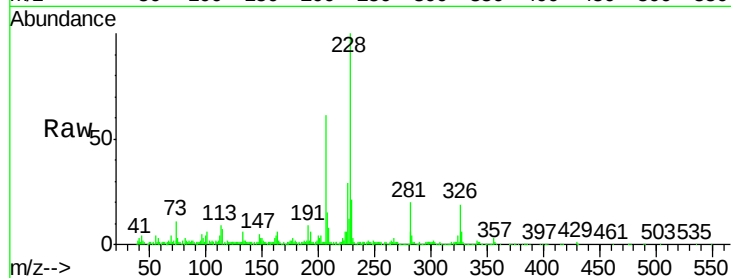
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 384711

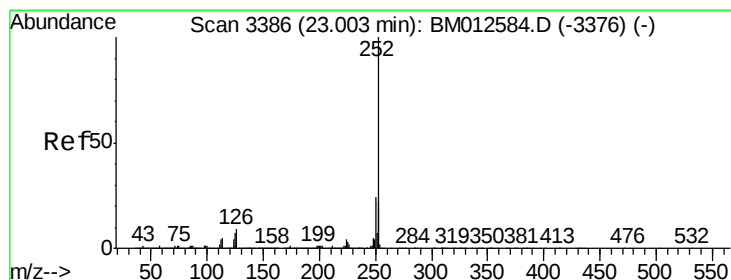
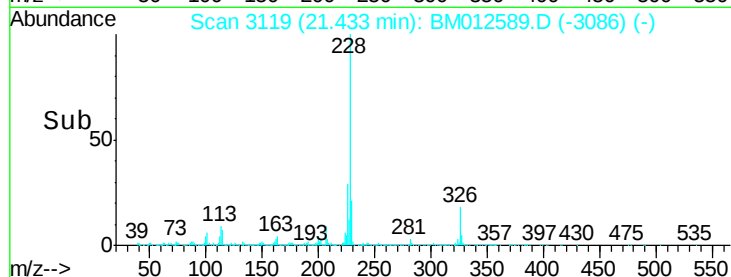
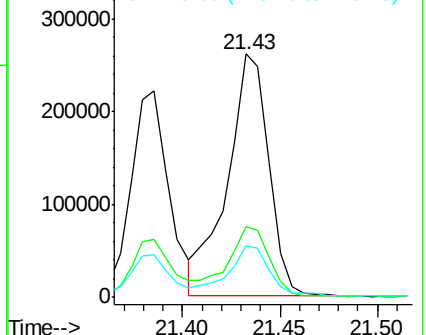
Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.4	35.2
229	21.4	15.5	23.3



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: 3.88 ng/ul

RT: 23.00 min Scan# 3386

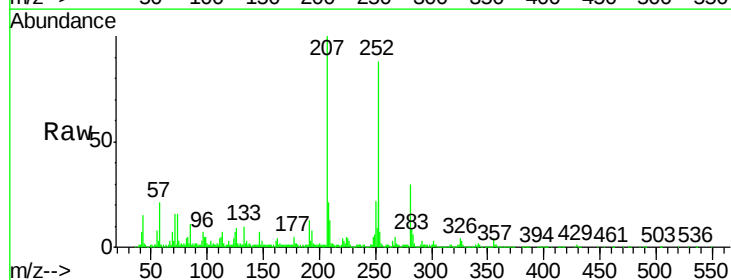
Delta R.T. 0.00 min

Lab File: BM012589.D

Acq: 31 Oct 2017 00:37

Tgt Ion:252 Resp: 572299

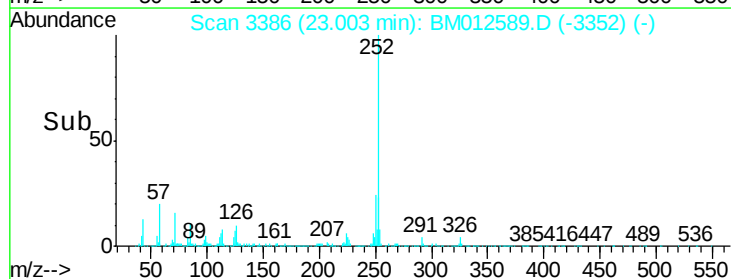
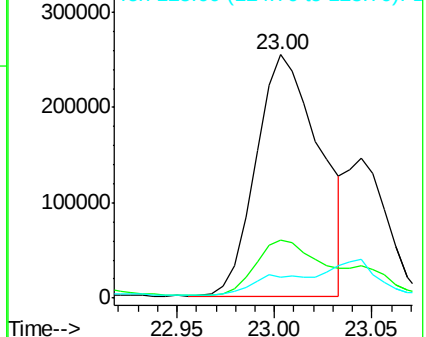
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	8.5	3.6	5.4

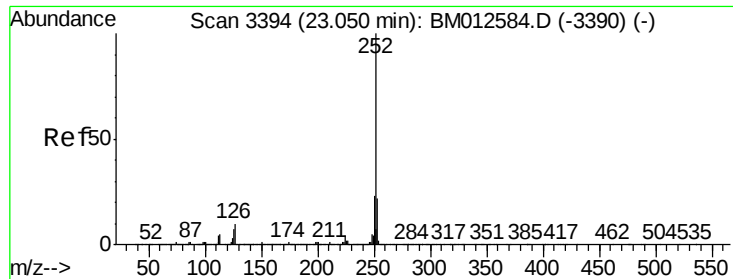


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

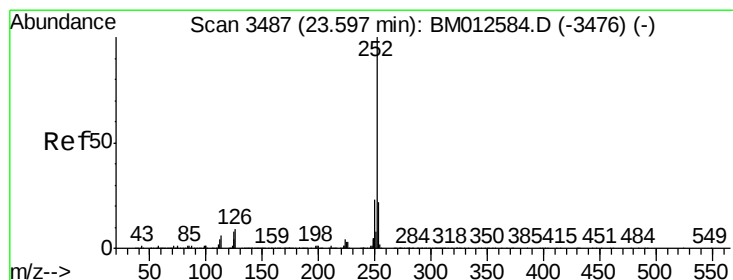
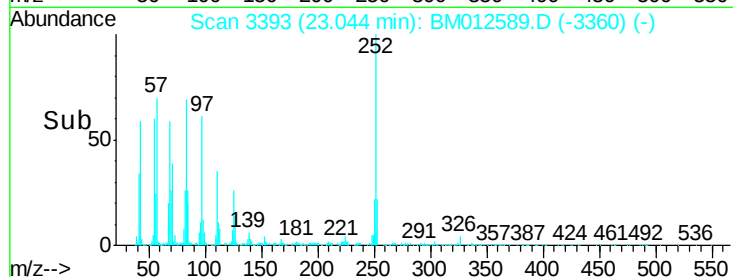
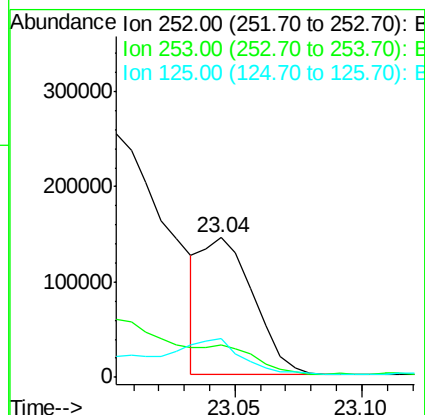
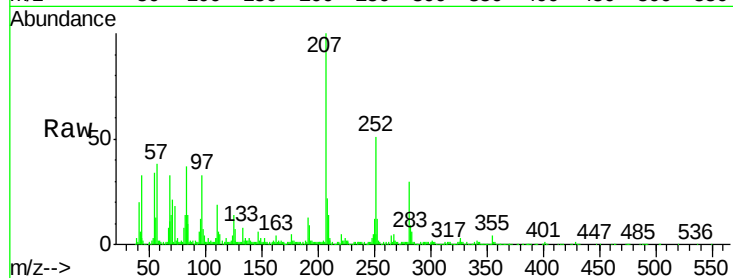




#86
Benzo(k)fluoranthene
Concen: 1.46 ng/ul
RT: 23.04 min Scan# 3393
Delta R.T. -0.01 min
Lab File: BM012589.D
Acq: 31 Oct 2017 00:37

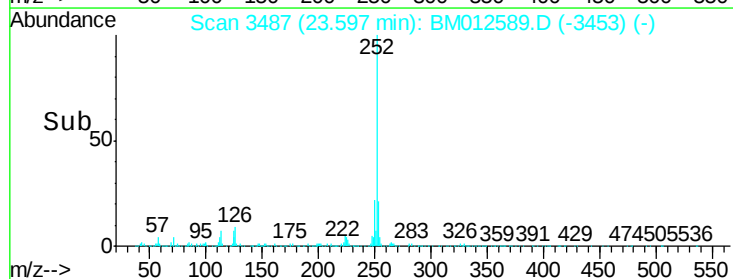
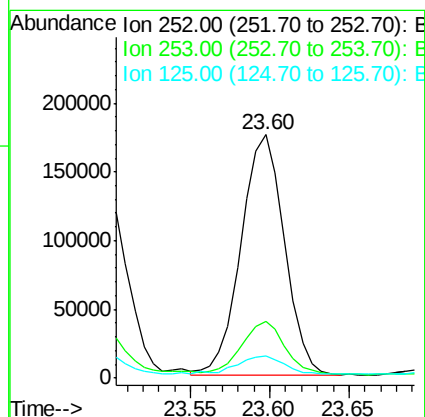
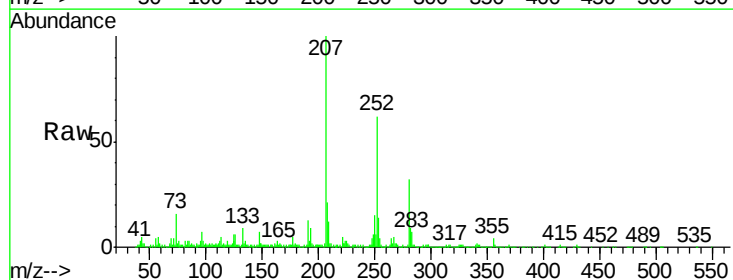
Instrument :
BNA_M
ClientSampleId :

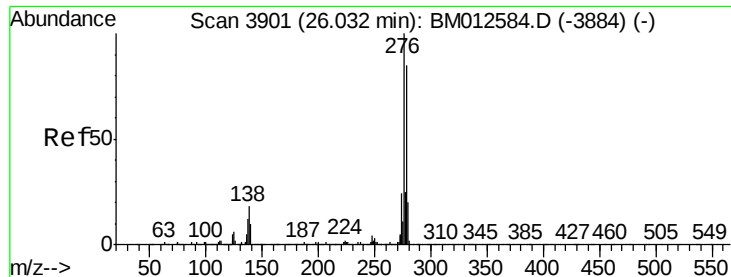
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	27.6	3.4	5.2#



#88
Benzo(a)pyrene
Concen: 2.36 ng/ul
RT: 23.60 min Scan# 3487
Delta R.T. 0.00 min
Lab File: BM012589.D
Acq: 31 Oct 2017 00:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	9.2	4.0	6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.77 ng/ul

RT: 26.02 min Scan# 3899

Delta R.T. -0.01 min

Lab File: BM012589.D

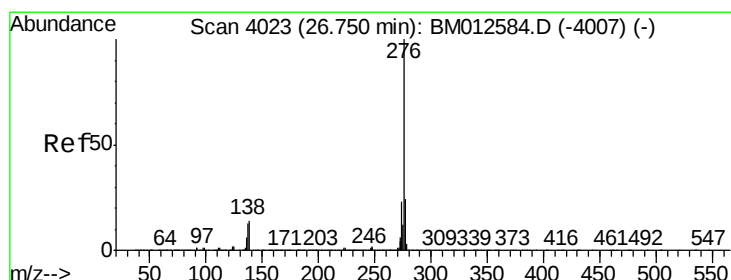
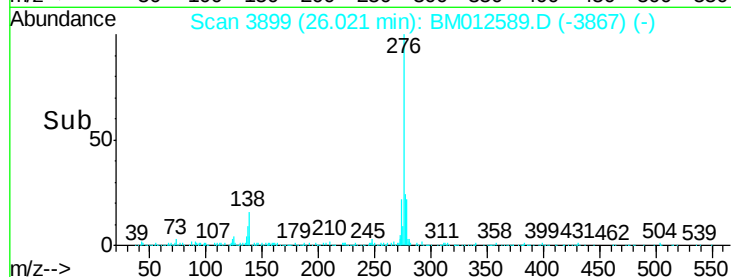
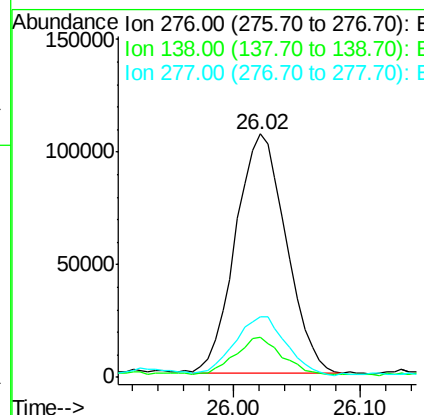
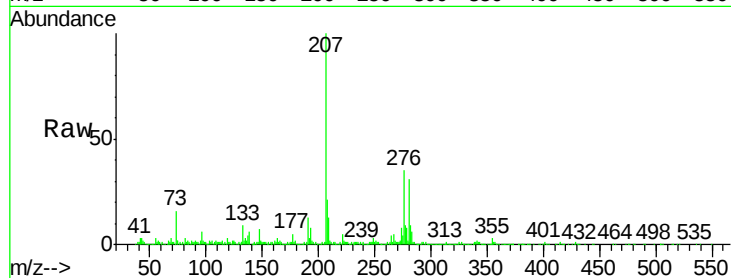
Acq: 31 Oct 2017 00:37

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	276	Resp:	292238
Ion	Ratio	Lower	Upper
276	100		
138	16.7	9.3	13.9#
277	24.7	19.9	29.9



#91

Benzo(g,h,i)perylene

Concen: 1.76 ng/ul

RT: 26.73 min Scan# 4020

Delta R.T. -0.02 min

Lab File: BM012589.D

Acq: 31 Oct 2017 00:37

Tgt Ion:	276	Resp:	236587
Ion	Ratio	Lower	Upper
276	100		
138	16.3	8.5	12.7#
277	25.1	18.6	28.0

