

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
 Data File : BM012597.D
 Acq On : 31 Oct 2017 05:22
 Operator : SJ/JU
 Sample : I5786-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 31 08:46:06 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	414684	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1600944	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	944912	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	2140727	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	2556542	20.00	ng/ul	0.00
83) Perylene-d12	23.71	264	2871056	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.35	96	45655	5.62	ng/uL	0.00
5) Phenol-d5	7.03	99	896780	25.88	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	541968	26.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	724316	27.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	639835	21.61	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	354443	35.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	401792	38.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	761896	27.85	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	400474	13.88	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	2240029	27.14	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	2785157	28.53	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	351224	28.62	ng/ul	0.00
57) Fluorene-d10	15.48	176	1992804	28.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	194120	18.74	ng/ul	0.00
70) Anthracene-d10	17.33	188	3024698	29.65	ng/ul	0.00
76) Pyrene-d10	19.62	212	3493136	29.78	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	4082635	29.93	ng/ul	0.01

Target Compounds

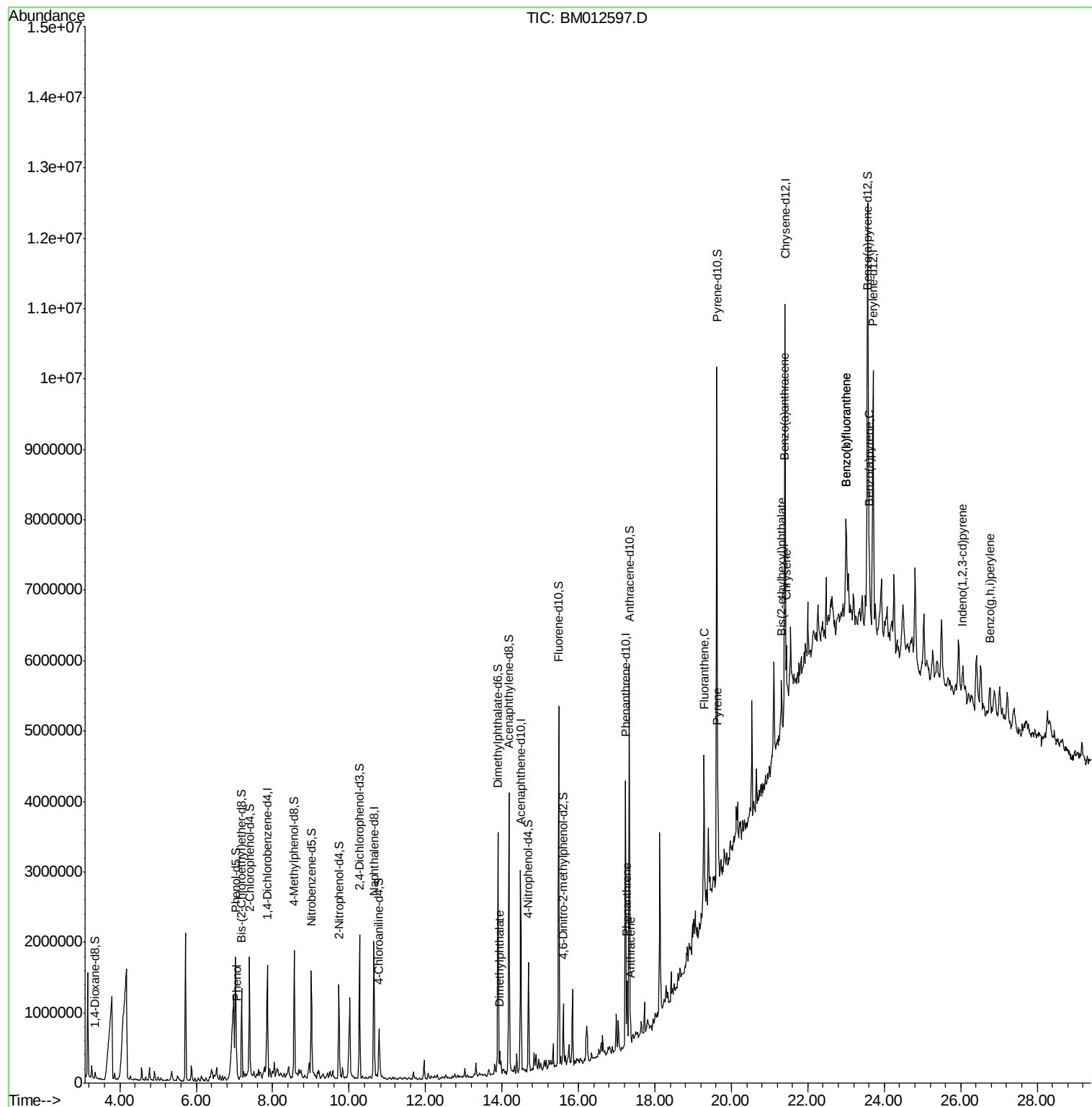
						Ovalue
6) Phenol	7.06	94	162204	4.50	ng/ul#	82
44) Dimethylphthalate	13.94	163	187145	2.29	ng/ul	99
69) Phenanthrene	17.27	178	572274	4.94	ng/ul	99
71) Anthracene	17.36	178	136588	1.14	ng/ul	95
74) Fluoranthene	19.29	202	852555	6.50	ng/ul#	91
77) Pyrene	19.64	202	803956	5.53	ng/ul#	91
80) Benzo(a)anthracene	21.39	228	452747	2.96	ng/ul#	88
81) Bis(2-ethylhexyl)phthalate	21.31	149	182337	2.09	ng/ul#	92
82) Chrysene	21.44	228	469984	3.45	ng/ul#	90
85) Benzo(b)fluoranthene	23.01	252	678262	3.82	ng/ul#	76
86) Benzo(k)fluoranthene	23.01	252	678262	4.06	ng/ul#	74
88) Benzo(a)pyrene	23.61	252	490109	2.90	ng/ul#	82
89) Indeno(1,2,3-cd)pyrene	26.04	276	383015	1.92	ng/ul#	87
91) Benzo(g,h,i)perylene	26.77	276	338018	2.09	ng/ul#	78

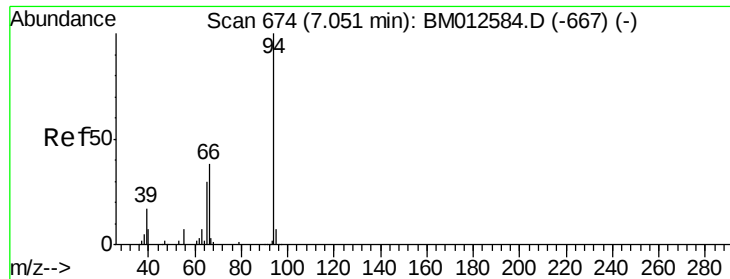
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#6

Phenol

Concen: 4.50 ng/ul

RT: 7.06 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM012597.D

Acq: 31 Oct 2017 05:22

Instrument :

BNA_M

ClientSampled :

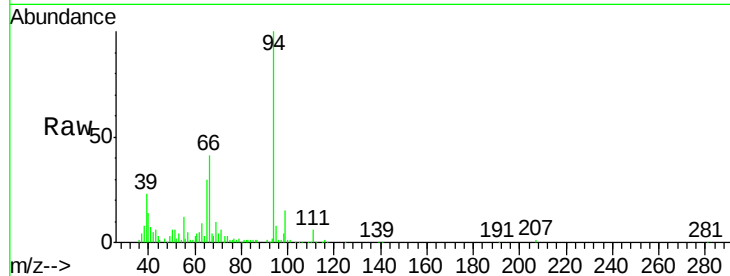
Tot Ion: 94 Resp: 162204

Ion Ratio Lower Upper

94 100

65 29.8 28.2 42.4

66 41.5 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM012584.D (-667) (-)

Ion 65.00 (64.70 to 65.70): BM012584.D (-667) (-)

Ion 66.00 (65.70 to 66.70): BM012584.D (-667) (-)

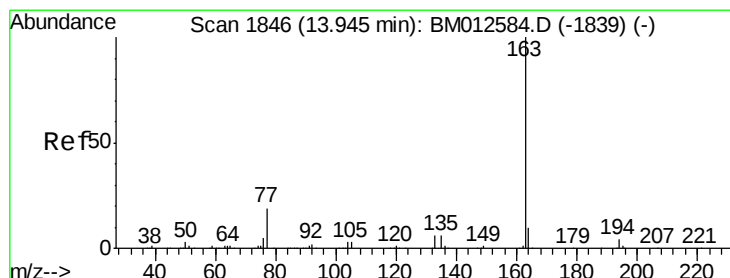
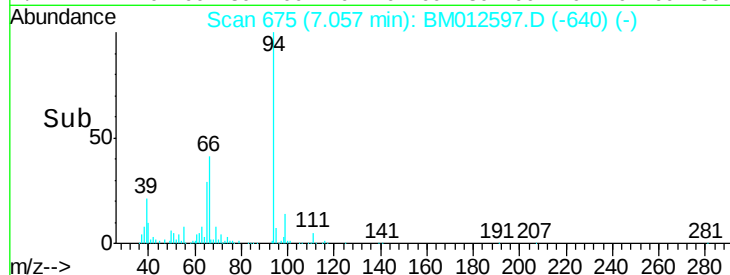
7.06

100000

50000

0

Time-->



#44

Dimethylphthalate

Concen: 2.29 ng/ul

RT: 13.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BM012597.D

Acq: 31 Oct 2017 05:22

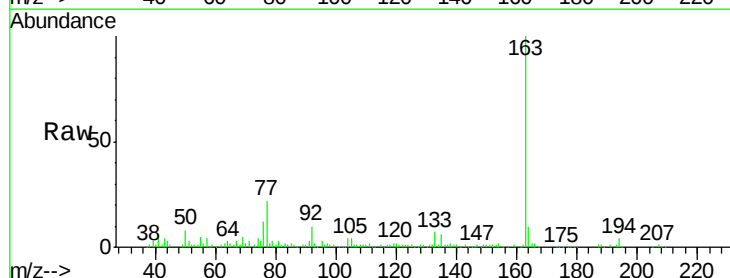
Tgt Ion: 163 Resp: 187145

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

164 9.8 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): BM012584.D (-1839) (-)

Ion 194.00 (193.70 to 194.70): BM012584.D (-1839) (-)

Ion 164.00 (163.70 to 164.70): BM012584.D (-1839) (-)

13.94

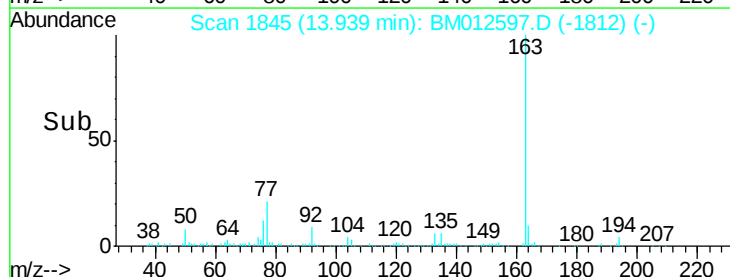
150000

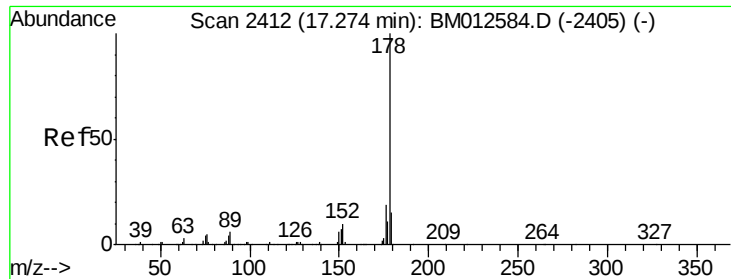
100000

50000

0

Time-->





#69

Phenanthrene

Concen: 4.94 ng/ul

RT: 17.27 min Scan# 2412

Delta R.T. 0.00 min

Lab File: BM012597.D

Acq: 31 Oct 2017 05:22

Instrument :

BNA_M

ClientSampleId :

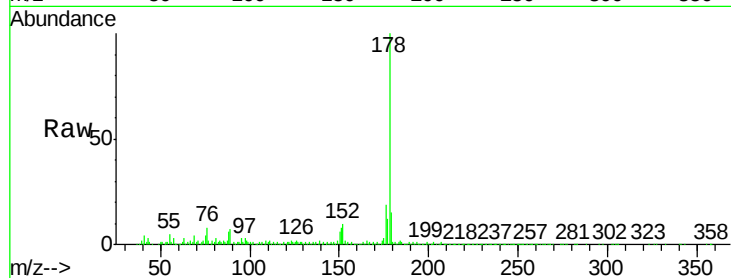
Tot Ion:178 Resp: 572274

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

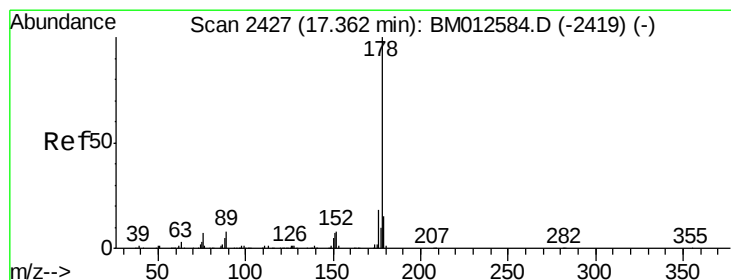
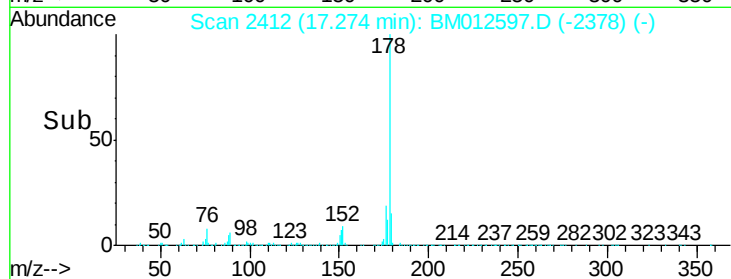
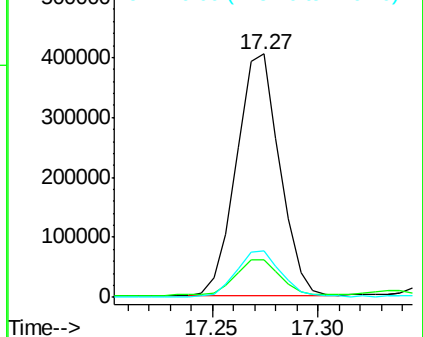
176 18.8 14.9 22.3



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: 1.14 ng/ul

RT: 17.36 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BM012597.D

Acq: 31 Oct 2017 05:22

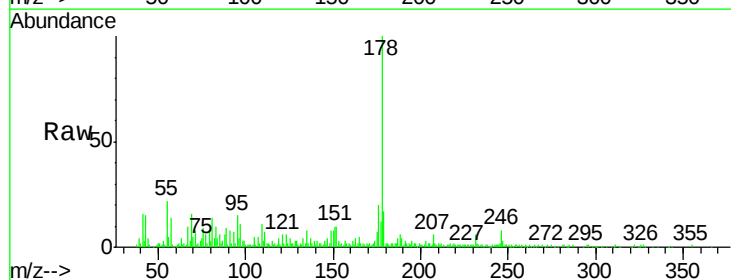
Tgt Ion:178 Resp: 136588

Ion Ratio Lower Upper

178 100

179 17.4 11.7 17.5

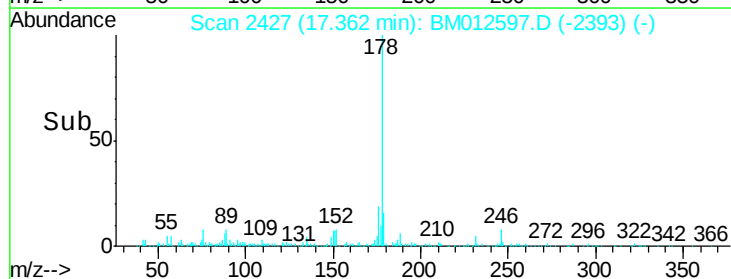
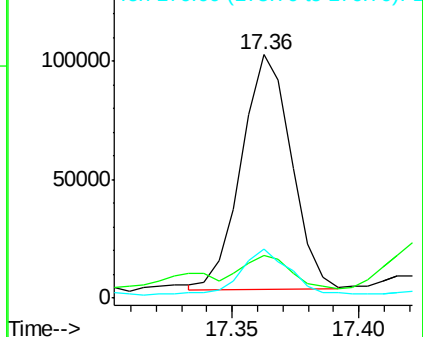
176 19.9 14.6 21.8

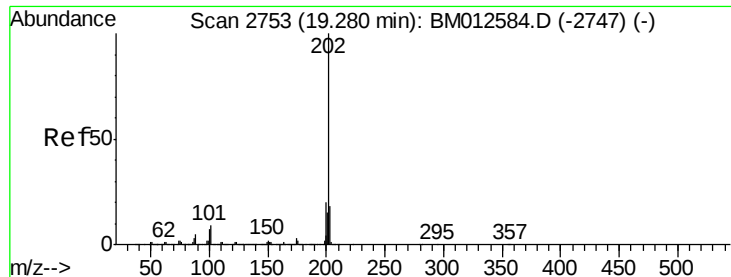


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

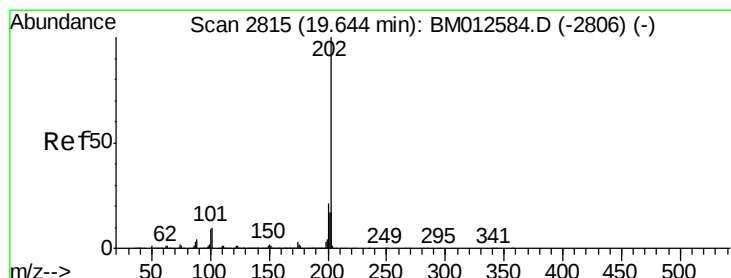
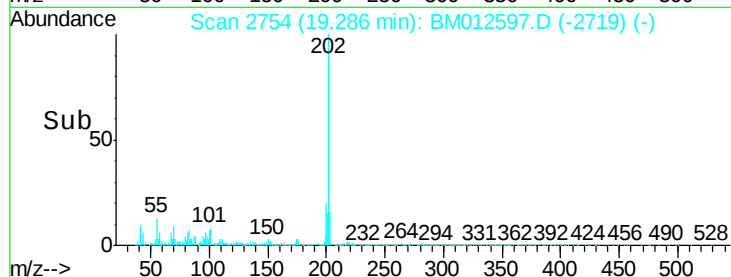
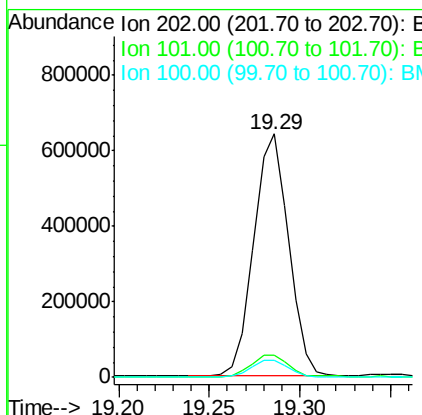
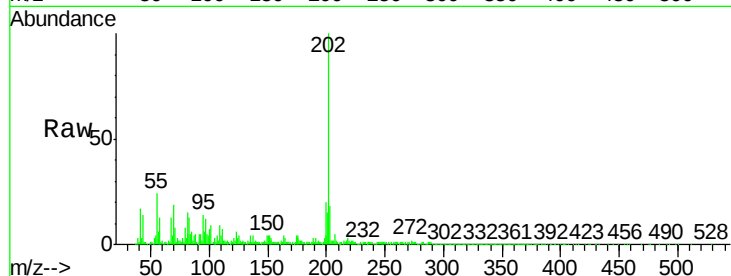




#74
Fluoranthene
Concen: 6.50 ng/ul
RT: 19.29 min Scan# 2754
Delta R.T. 0.01 min
Lab File: BM012597.D
Acq: 31 Oct 2017 05:22

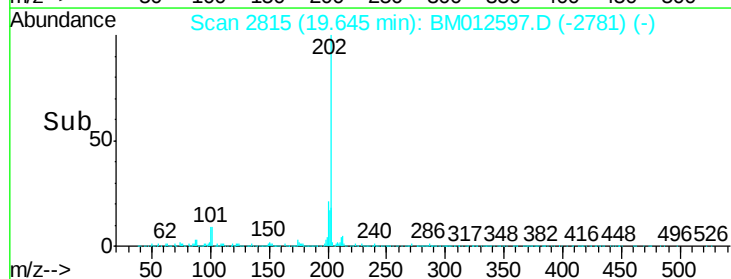
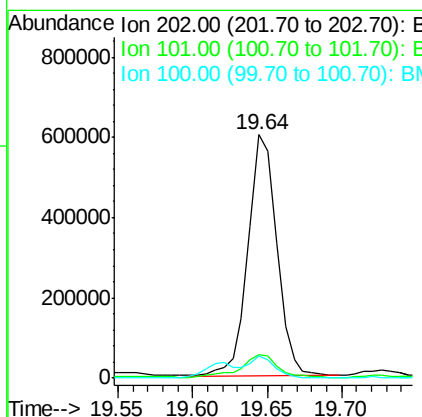
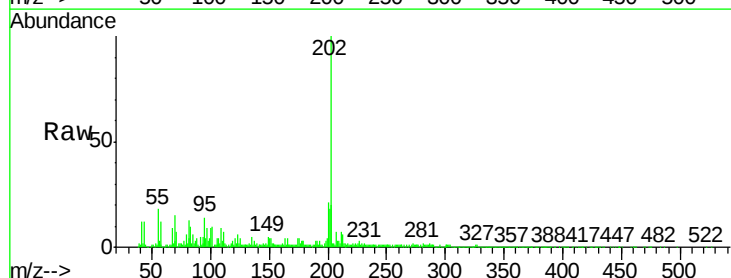
Instrument :
BNA_M
ClientSampleId :

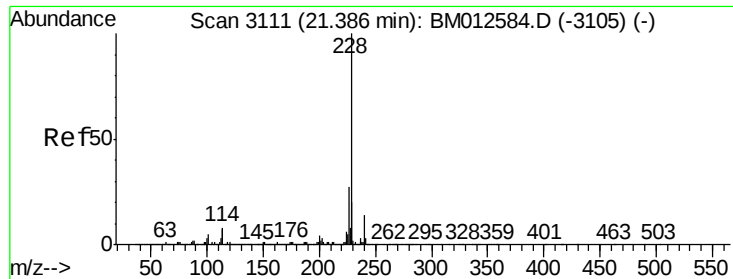
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.9	4.6	7.0#
100	7.0	3.4	5.2#



#77
Pyrene
Concen: 5.53 ng/ul
RT: 19.64 min Scan# 2815
Delta R.T. 0.00 min
Lab File: BM012597.D
Acq: 31 Oct 2017 05:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	5.1	7.7#
100	9.0	4.9	7.3#





#80

Benzo(a)anthracene

Concen: 2.96 ng/ul

RT: 21.39 min Scan# 3111

Delta R.T. 0.00 min

Lab File: BM012597.D

Acq: 31 Oct 2017 05:22

Instrument :

BNA_M

ClientSampleId :

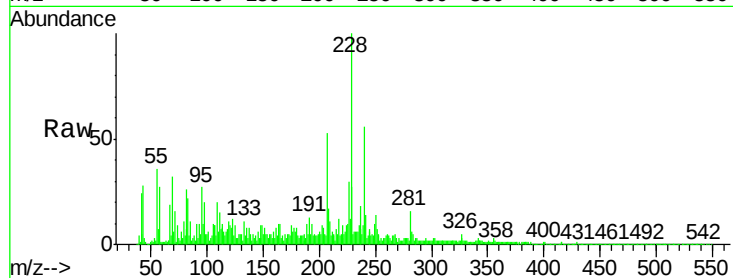
Tot Ion:228 Resp: 452747

Ion Ratio Lower Upper

228 100

229 27.5 15.4 23.0#

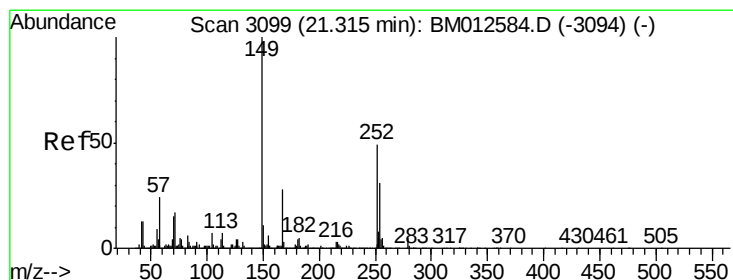
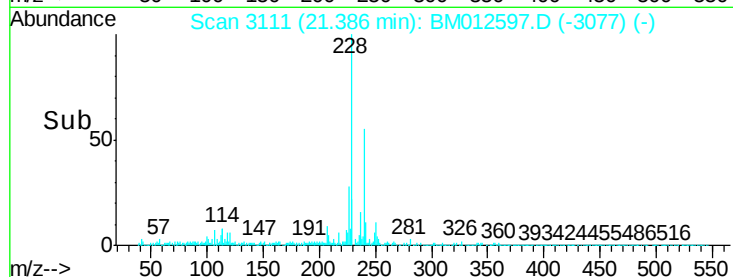
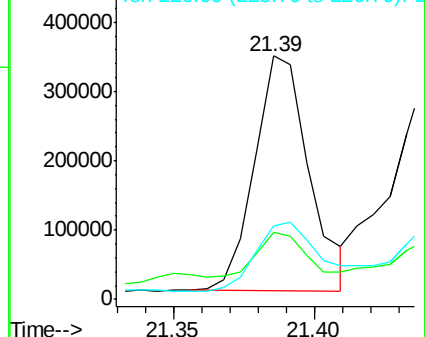
226 30.4 21.4 32.0



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: 2.09 ng/ul

RT: 21.31 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM012597.D

Acq: 31 Oct 2017 05:22

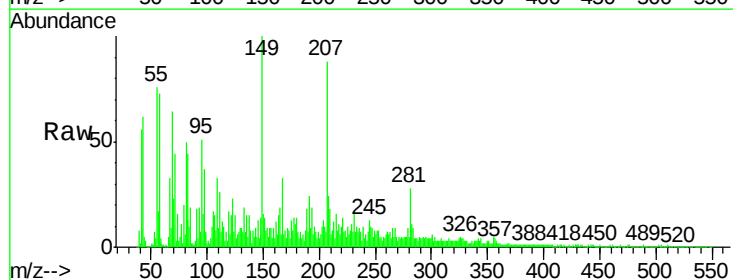
Tgt Ion:149 Resp: 182337

Ion Ratio Lower Upper

149 100

167 32.6 22.8 34.2

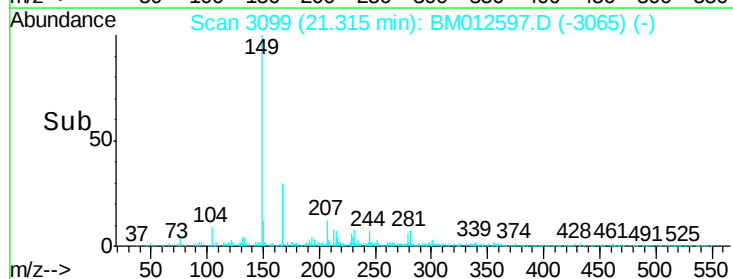
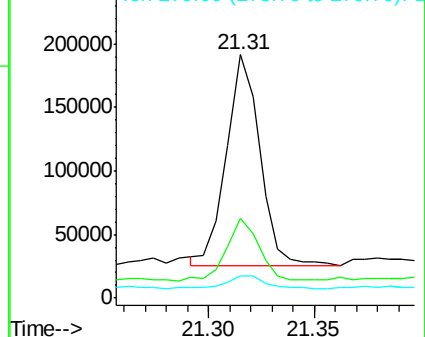
279 8.9 4.9 7.3#

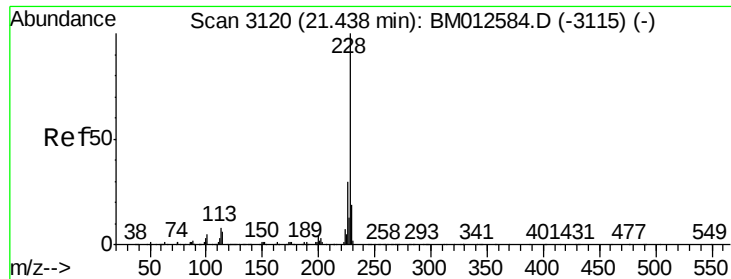


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 3.45 ng/ul

RT: 21.44 min Scan# 3120

Delta R.T. 0.00 min

Lab File: BM012597.D

Acq: 31 Oct 2017 05:22

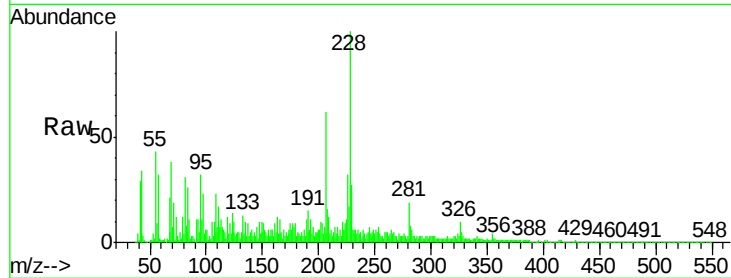
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 469984

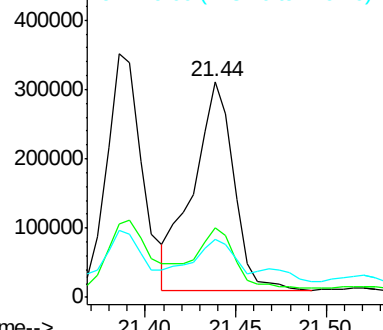
Ion	Ratio	Lower	Upper
228	100		
226	32.4	23.4	35.2
229	27.0	15.5	23.3



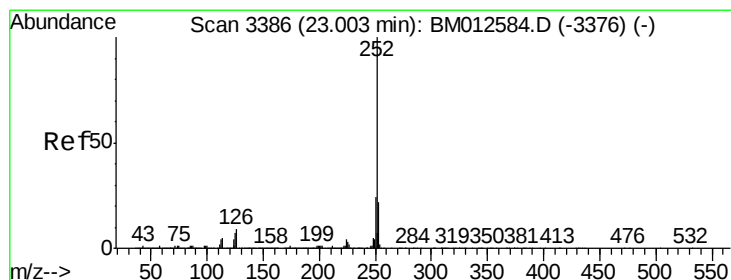
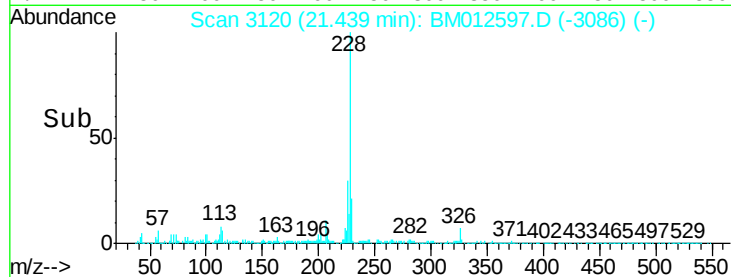
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 3.82 ng/ul

RT: 23.01 min Scan# 3388

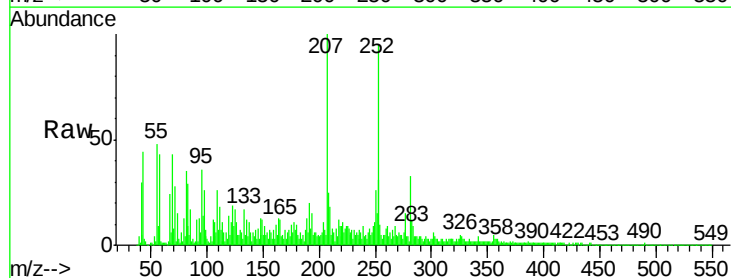
Delta R.T. 0.01 min

Lab File: BM012597.D

Acq: 31 Oct 2017 05:22

Tgt Ion:252 Resp: 678262

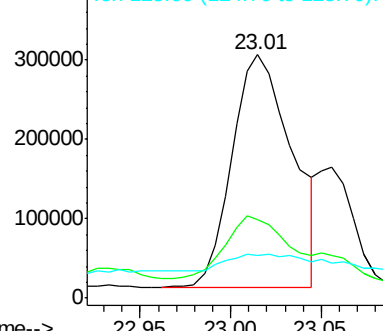
Ion	Ratio	Lower	Upper
252	100		
253	32.3	17.9	26.9
125	17.4	3.6	5.4



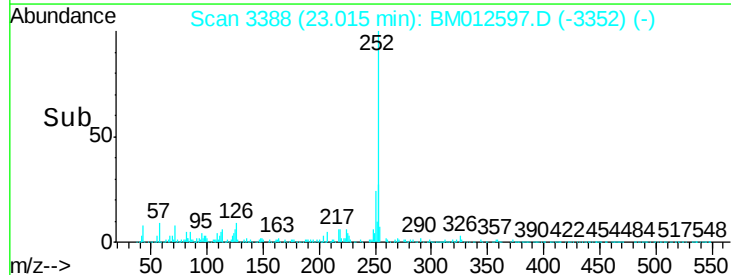
Abundance Ion 252.00 (251.70 to 252.70): E

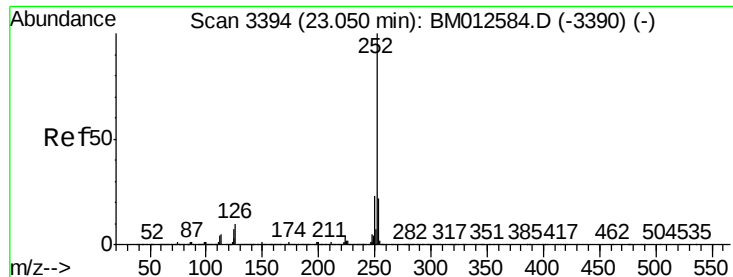
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#86

Benzo(k)fluoranthene

Concen: 4.06 ng/uI

RT: 23.01 min Scan# 3388

Delta R.T. -0.04 min

Lab File: BM012597.D

Acq: 31 Oct 2017 05:22

Instrument :

BNA_M

ClientSampleId :

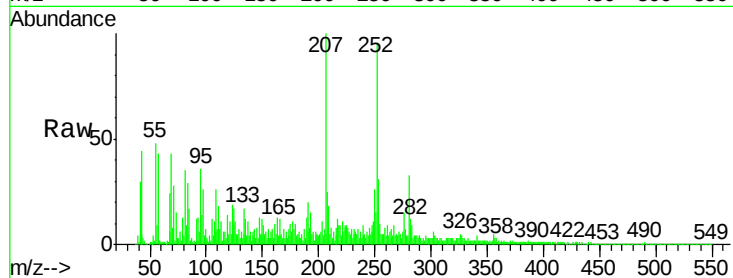
Tot Ion:252 Resp: 678262

Ion Ratio Lower Upper

252 100

253 32.3 17.1 25.7#

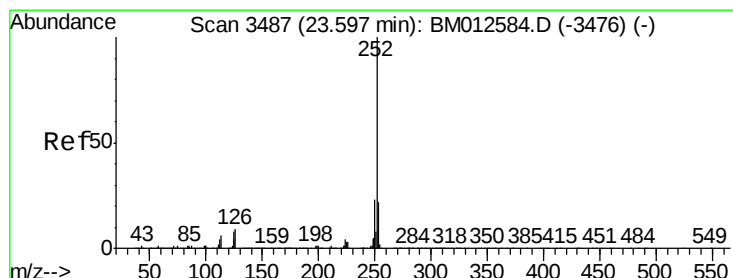
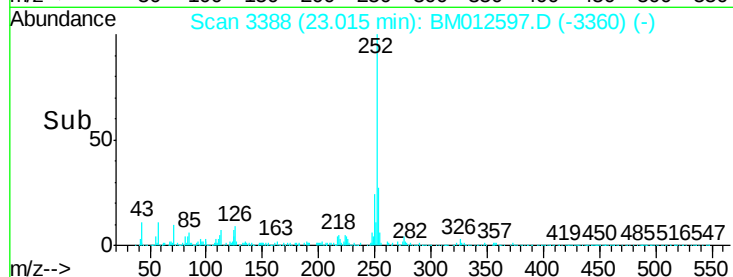
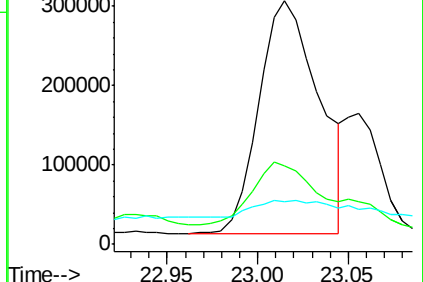
125 17.4 3.4 5.2#



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



#88

Benzo(a)pyrene

Concen: 2.90 ng/uI

RT: 23.61 min Scan# 3489

Delta R.T. 0.01 min

Lab File: BM012597.D

Acq: 31 Oct 2017 05:22

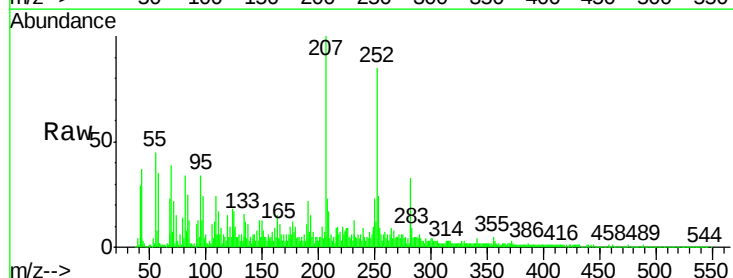
Tgt Ion:252 Resp: 490109

Ion Ratio Lower Upper

252 100

253 28.6 18.2 27.2#

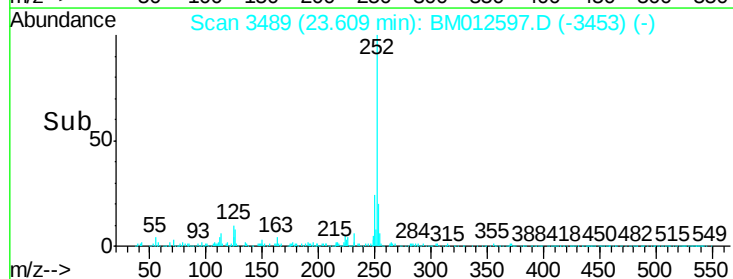
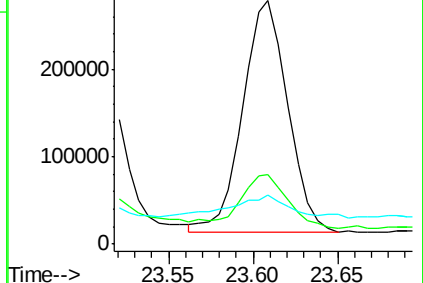
125 20.2 4.0 6.0#

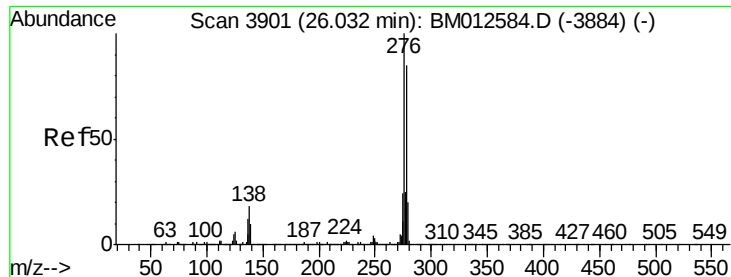


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.92 ng/ul

RT: 26.04 min Scan# 3903

Delta R.T. 0.01 min

Lab File: BM012597.D

Acq: 31 Oct 2017 05:22

Instrument :

BNA_M

ClientSampleId :

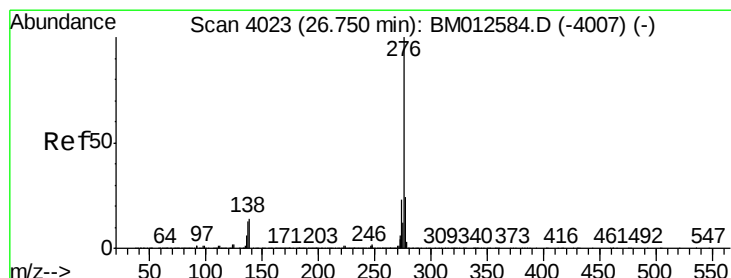
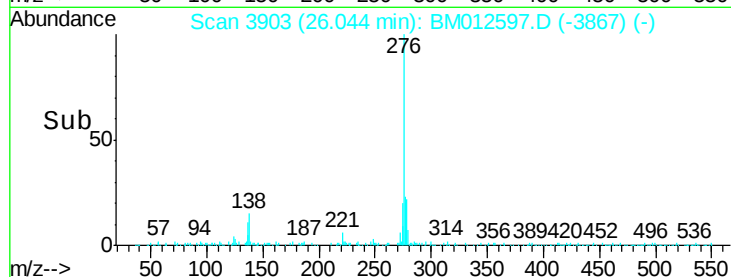
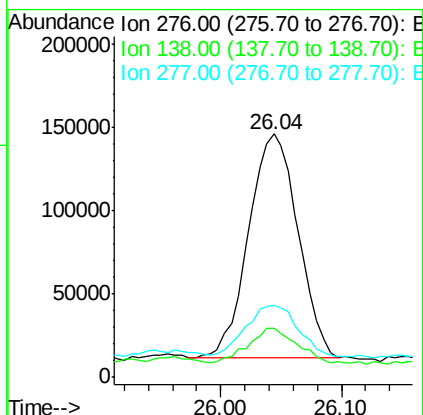
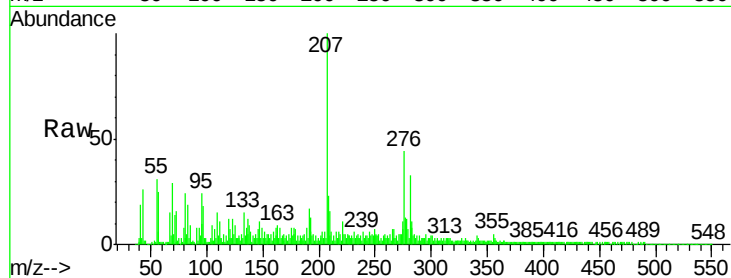
Tot Ion:276 Resp: 383015

Ion Ratio Lower Upper

276 100

138 20.0 9.3 13.9#

277 29.7 19.9 29.9



#91

Benzo(g,h,i)perylene

Concen: 2.09 ng/ul

RT: 26.77 min Scan# 4026

Delta R.T. 0.02 min

Lab File: BM012597.D

Acq: 31 Oct 2017 05:22

Tgt Ion:276 Resp: 338018

Ion Ratio Lower Upper

276 100

138 20.4 8.5 12.7#

277 32.8 18.6 28.0#

