

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
 Data File : BM012449.D
 Acq On : 25 Oct 2017 17:18
 Operator : SJ/JU
 Sample : I5701-18DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 26 01:14:07 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 01:09:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	731002	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	3149778	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	2040814	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.26	188	4805640	20.00	ng/ul	0.01
75) Chrysene-d12	21.43	240	3986124	20.00	ng/ul	0.01
83) Perylene-d12	23.74	264	3767206	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	7975	0.56	ng/uL	0.00
5) Phenol-d5	7.05	99	196990	3.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	119193	3.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	152537	3.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	165043	3.16	ng/ul	0.00
19) Nitrobenzene-d5	9.04	128	75614	3.83	ng/ul	0.01
22) 2-Nitrophenol-d4	9.76	143	77718	3.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	185521	3.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.81	131	60078	1.06	ng/ul	0.01
43) Dimethylphthalate-d6	13.92	166	607182	3.41	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	740912	3.51	ng/ul	0.00
51) 4-Nitrophenol-d4	14.71	143	65715	2.48	ng/ul	0.01
57) Fluorene-d10	15.50	176	534448	3.54	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	7227	0.31	ng/ul	0.02
70) Anthracene-d10	17.35	188	838071	3.66	ng/ul	0.00
76) Pyrene-d10	19.64	212	829339	4.53	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.59	264	611520	3.42	ng/ul	0.02

Target Compounds

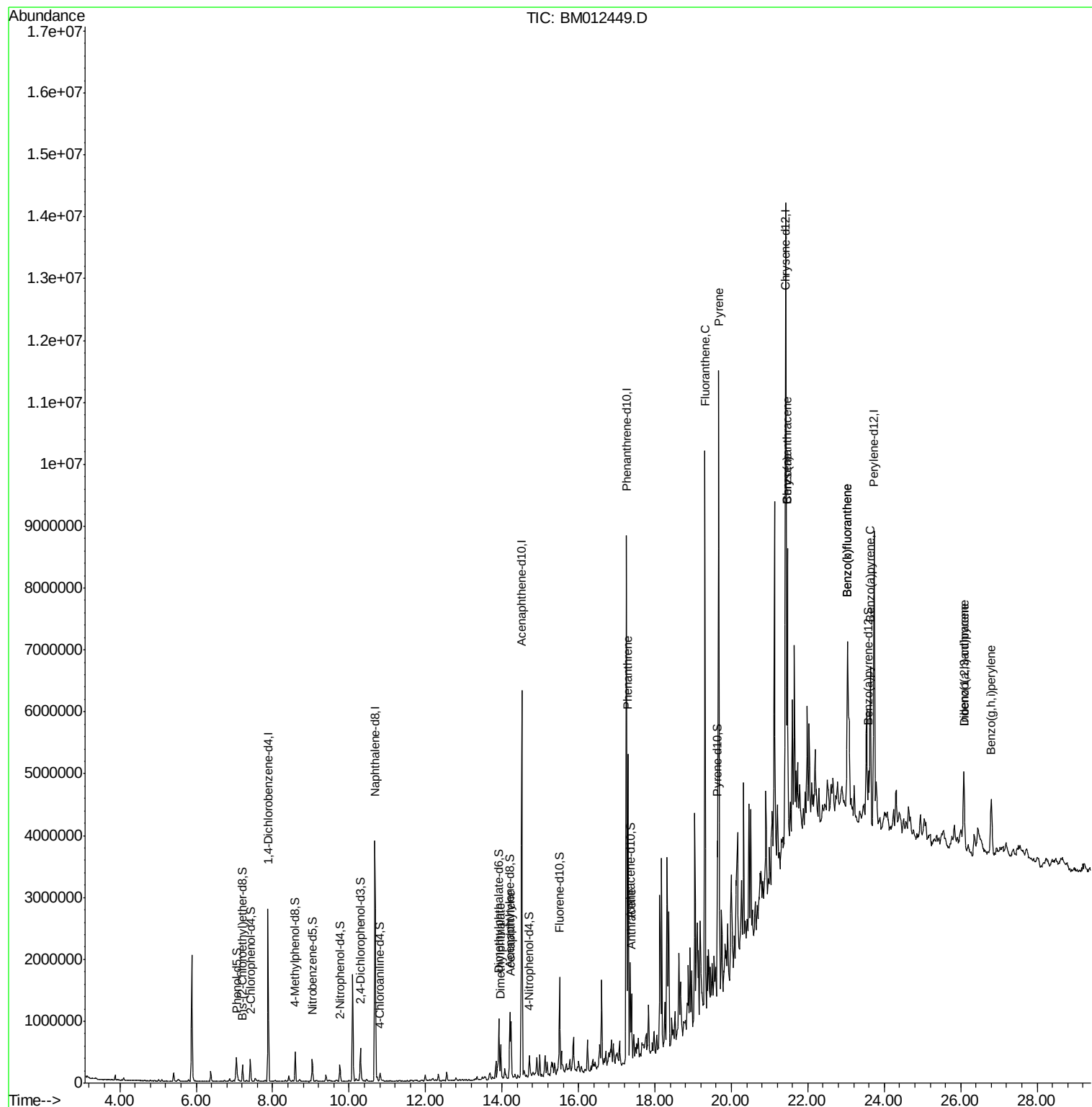
					Ovalue	
44) Dimethylphthalate	13.97	163	233821	1.33	ng/ul	100
47) Acenaphthylene	14.23	152	611461	3.04	ng/ul	98
69) Phenanthrene	17.30	178	2922511	11.25	ng/ul	99
71) Anthracene	17.39	178	664433	2.47	ng/ul	97
74) Fluoranthene	19.31	202	4872882	16.55	ng/ul#	95
77) Pyrene	19.67	202	6172879	27.23	ng/ul#	94
80) Benzo(a)anthracene	21.46	228	2718854	11.39	ng/ul	92
82) Chrysene	21.46	228	2718854	12.81	ng/ul	95
85) Benzo(b)fluoranthene	23.04	252	2226787	9.56	ng/ul#	96
86) Benzo(k)fluoranthene	23.04	252	2226787	10.16	ng/ul#	94
88) Benzo(a)pyrene	23.63	252	1850752	8.34	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.09	276	1247759	4.77	ng/ul	97
90) Dibenzo(a,h)anthracene	26.09	278	365238	1.65	ng/ul#	67
91) Benzo(g,h,i)perylene	26.80	276	1234411	5.83	ng/ul#	94

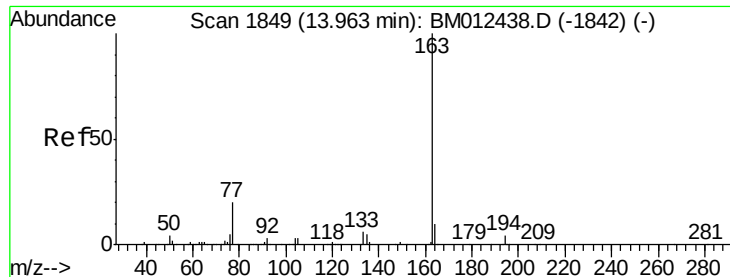
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 01:09:36 2017
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 1.33 ng/ul

RT: 13.97 min Scan# 1850

Delta R.T. 0.01 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

Instrument :

BNA_M

ClientSampleId :

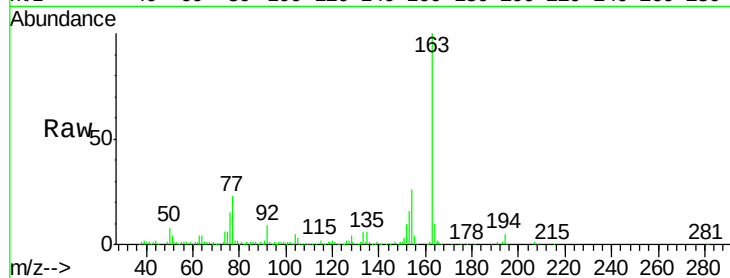
Tot Ion:163 Resp: 233821

Ion Ratio Lower Upper

163 100

194 4.7 3.5 5.3

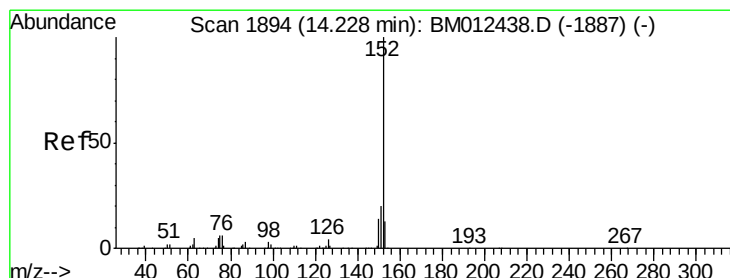
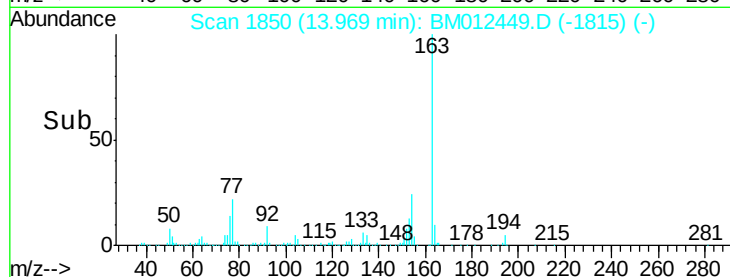
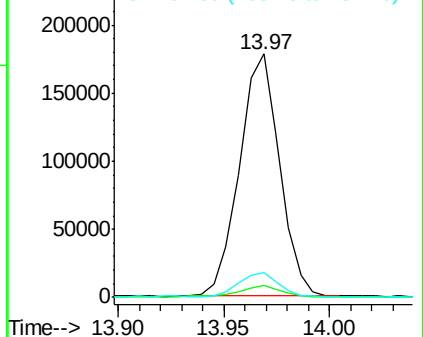
164 10.2 8.2 12.4



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: 3.04 ng/ul

RT: 14.23 min Scan# 1895

Delta R.T. 0.01 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

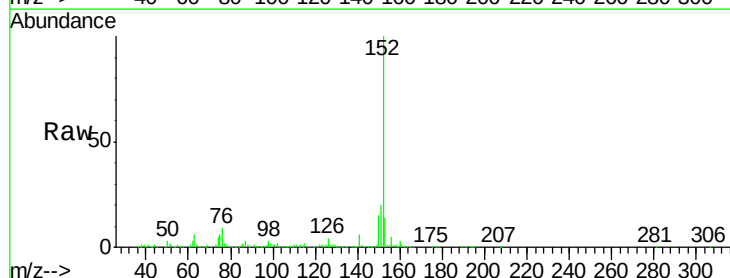
Tgt Ion:152 Resp: 611461

Ion Ratio Lower Upper

152 100

151 19.9 16.3 24.5

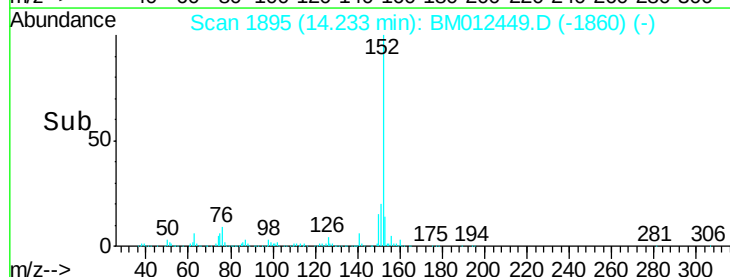
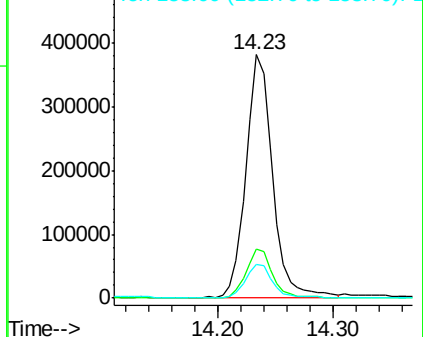
153 14.0 10.2 15.4

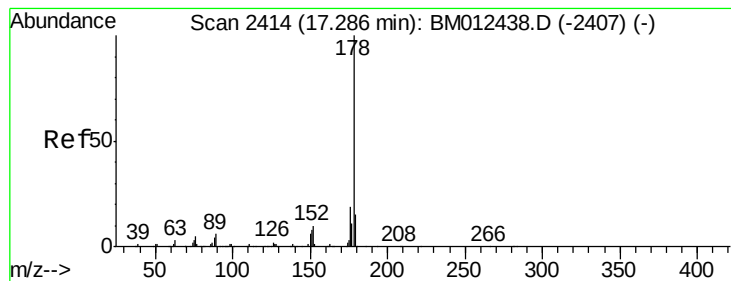


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#69

Phenanthrene

Concen: 11.25 ng/ul

RT: 17.30 min Scan# 2416

Delta R.T. 0.01 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

Instrument :

BNA_M

ClientSampled :

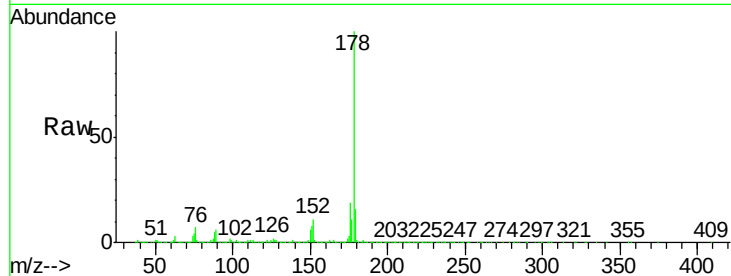
Tot Ion:178 Resp: 2922511

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

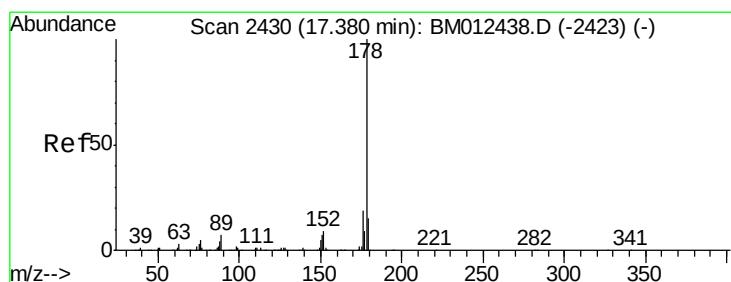
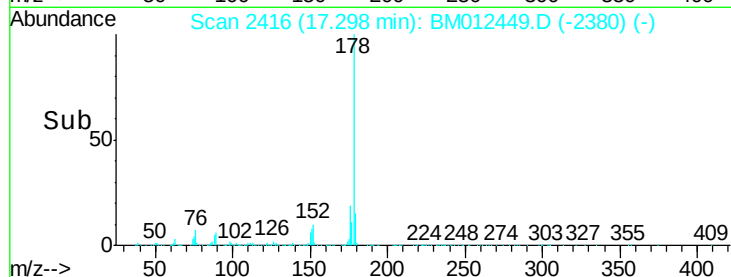
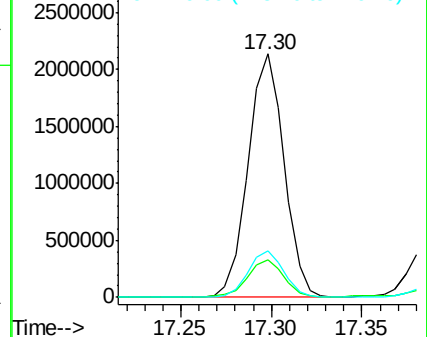
176 19.1 14.9 22.3



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: 2.47 ng/ul

RT: 17.39 min Scan# 2431

Delta R.T. 0.01 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

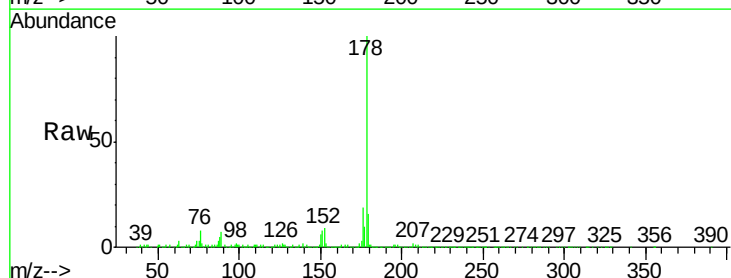
Tgt Ion:178 Resp: 664433

Ion Ratio Lower Upper

178 100

179 16.0 11.7 17.5

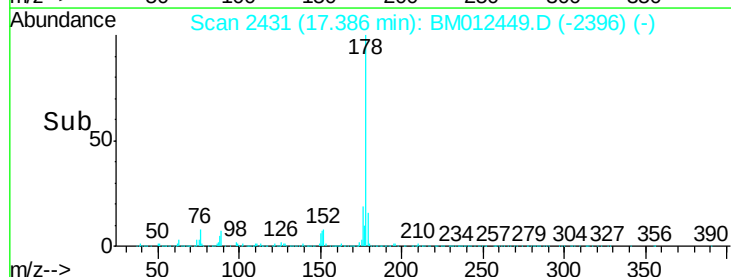
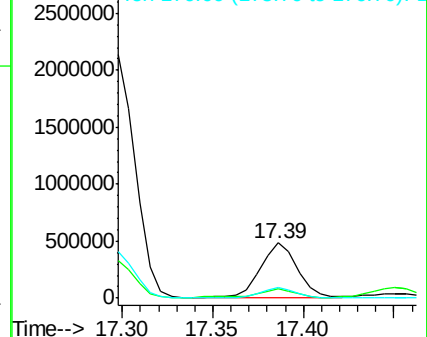
176 19.0 14.6 21.8

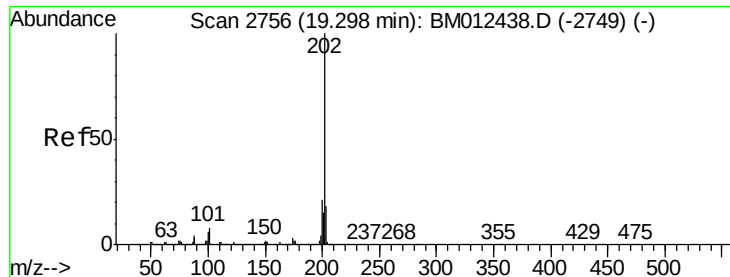


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 16.55 ng/ul

RT: 19.31 min Scan# 2758

Delta R.T. 0.01 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

Instrument :

BNA_M

ClientSampleId :

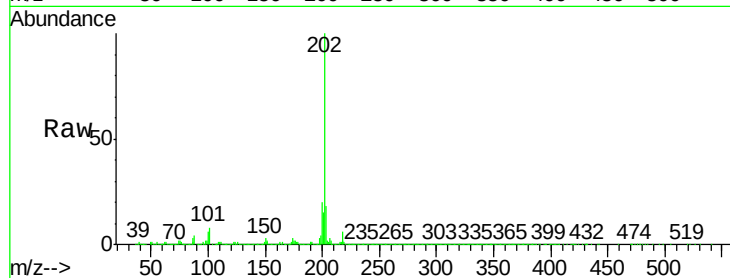
Tot Ion:202 Resp: 4872882

Ion Ratio Lower Upper

202 100

101 7.7 4.6 7.0#

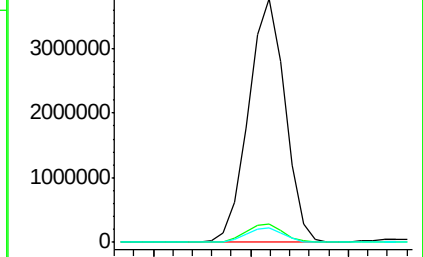
100 5.9 3.4 5.2#



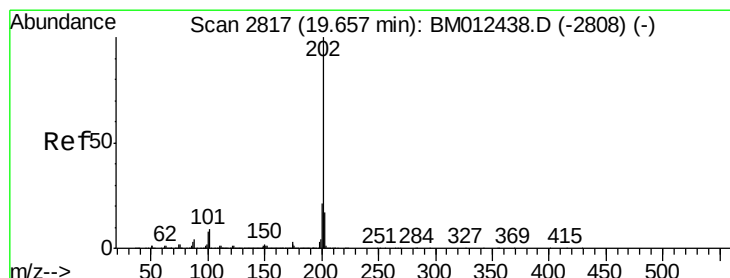
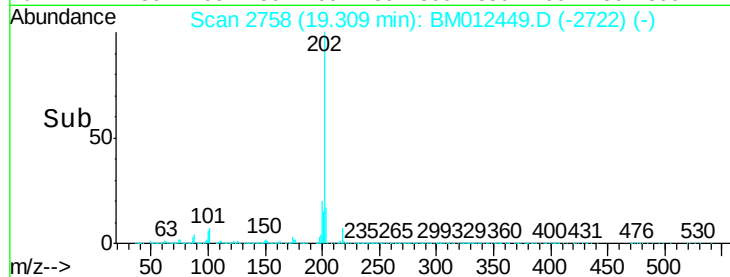
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#77

Pyrene

Concen: 27.23 ng/ul

RT: 19.67 min Scan# 2819

Delta R.T. 0.01 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

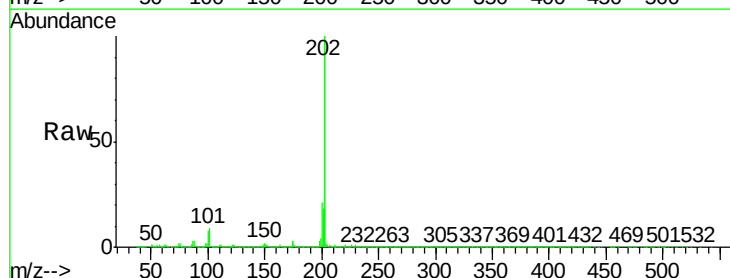
Tgt Ion:202 Resp: 6172879

Ion Ratio Lower Upper

202 100

101 8.9 5.1 7.7#

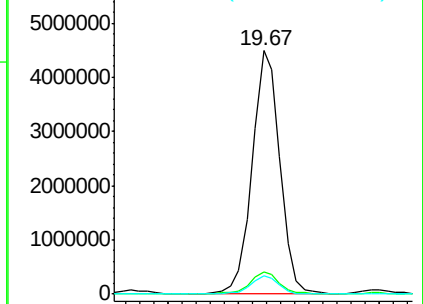
100 7.6 4.9 7.3#



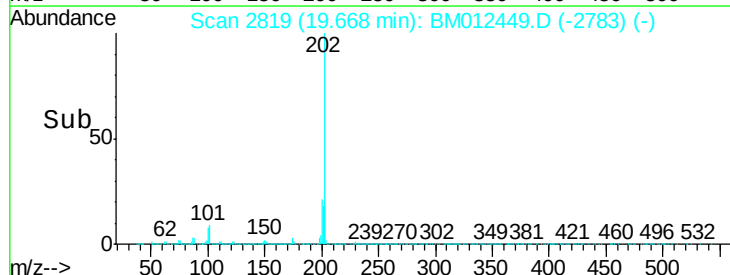
Abundance Ion 202.00 (201.70 to 202.70): E

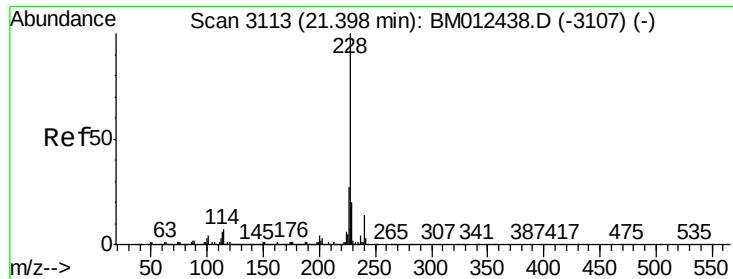
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#80

Benzo(a)anthracene

Concen: 11.39 ng/ul

RT: 21.46 min Scan# 3124

Delta R.T. 0.06 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

Instrument :

BNA_M

ClientSampleId :

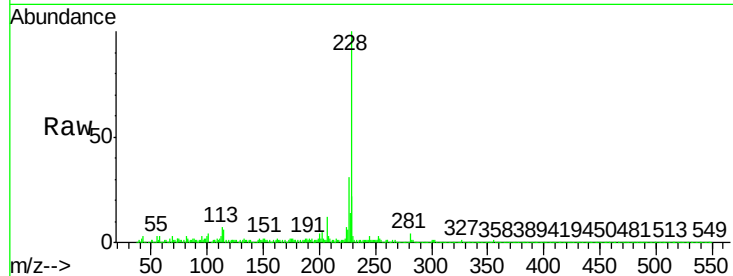
Tot Ion:228 Resp: 2718854

Ion	Ratio	Lower	Upper
228	100		
229	22.4	15.4	23.0
226	31.1	21.4	32.0

228 100

229 22.4 15.4 23.0

226 31.1 21.4 32.0

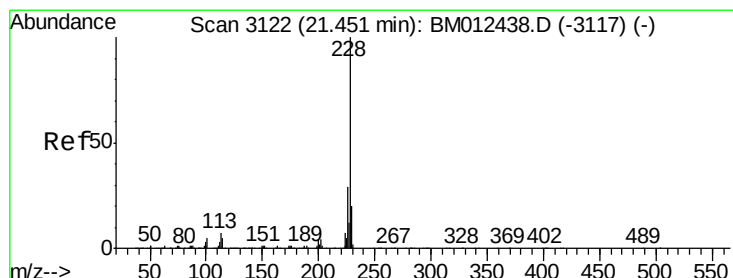
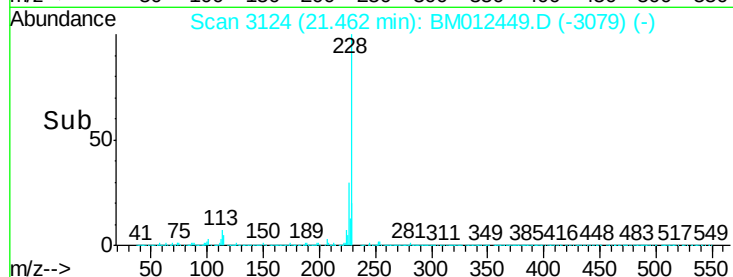
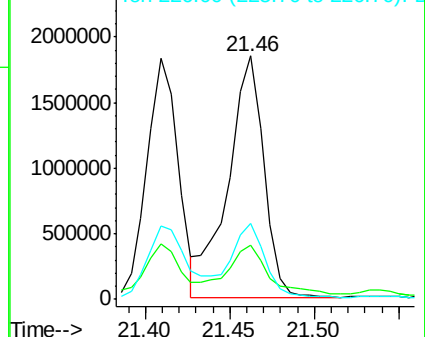


Abundance

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



#82

Chrysene

Concen: 12.81 ng/ul

RT: 21.46 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

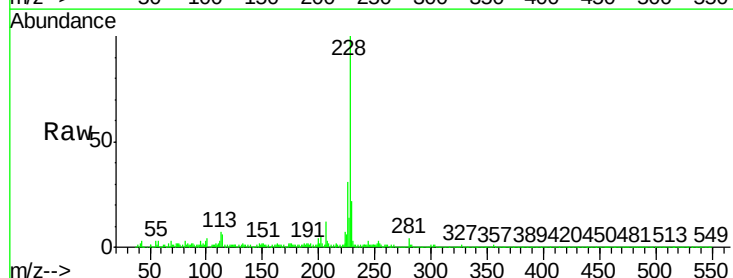
Tgt Ion:228 Resp: 2718854

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.4	35.2
229	22.4	15.5	23.3

228 100

226 31.1 23.4 35.2

229 22.4 15.5 23.3

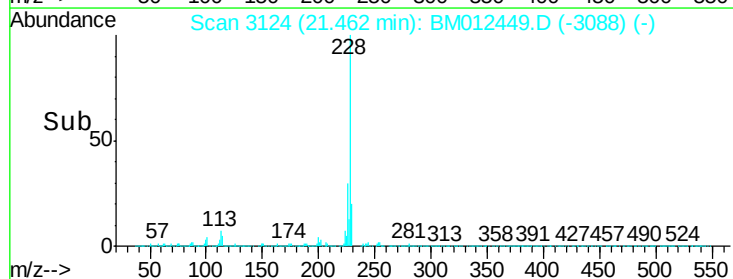
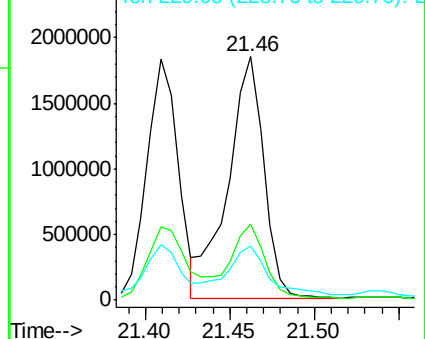


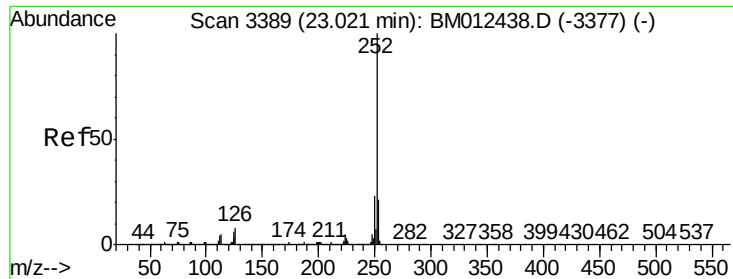
Abundance

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: 9.56 ng/ul

RT: 23.04 min Scan# 3393

Delta R.T. 0.02 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

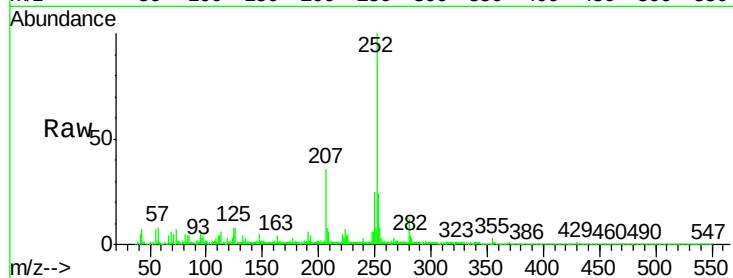
Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 2226787

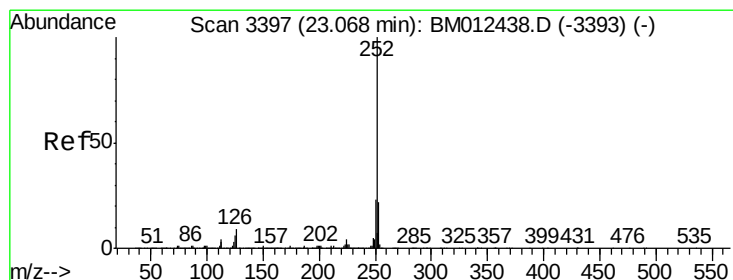
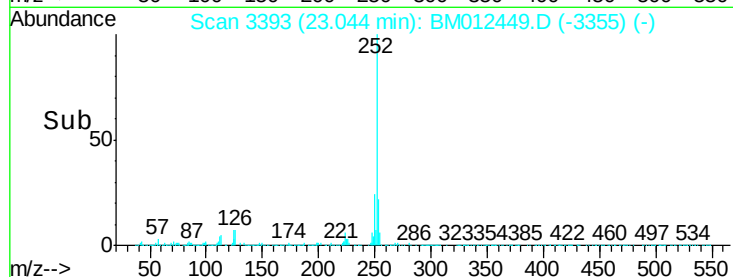
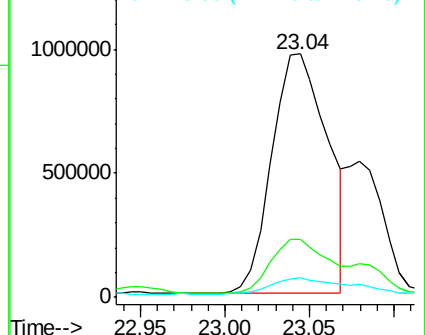
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	8.1	3.6	5.4



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: 10.16 ng/ul

RT: 23.04 min Scan# 3393

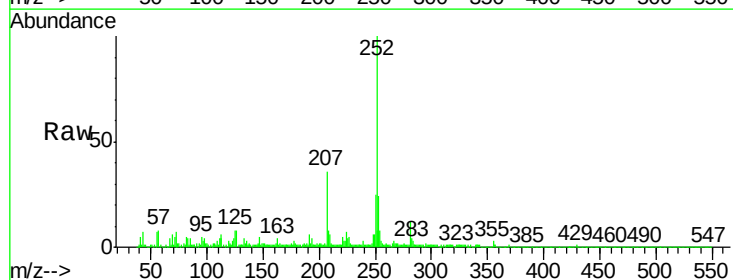
Delta R.T. -0.02 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

Tgt Ion:252 Resp: 2226787

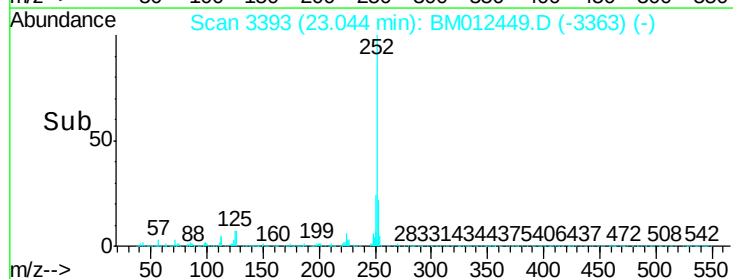
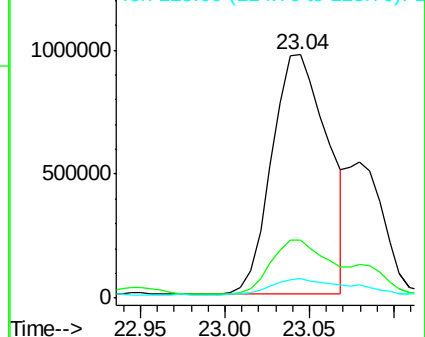
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	8.1	3.4	5.2

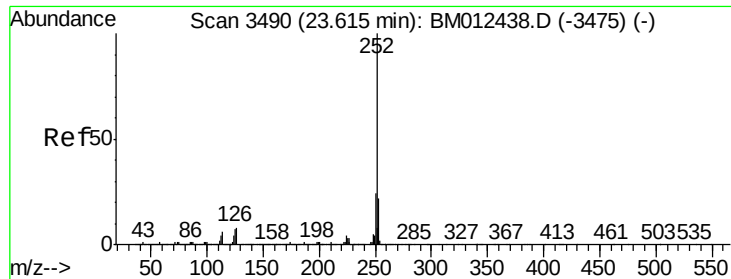


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 8.34 ng/ul

RT: 23.63 min Scan# 3493

Delta R.T. 0.02 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

Instrument :

BNA_M

ClientSampleId :

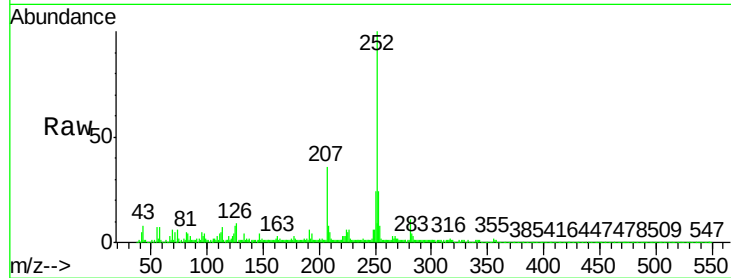
Tot Ion:252 Resp: 1850752

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

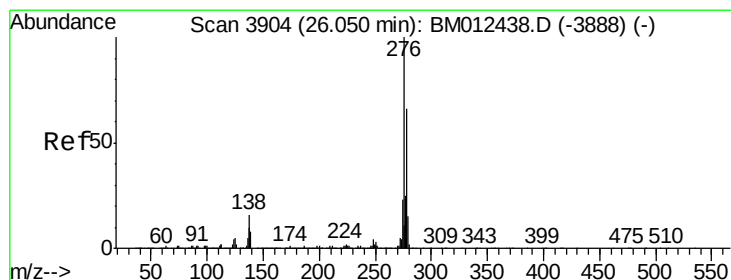
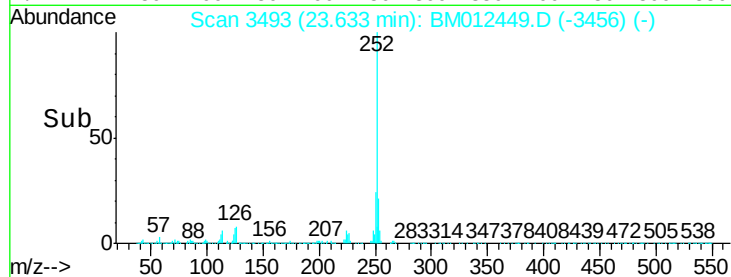
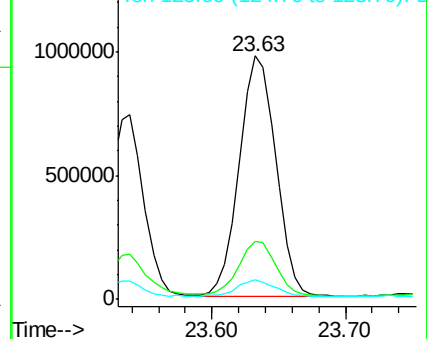
125 8.0 4.0 6.0#



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: 4.77 ng/ul

RT: 26.09 min Scan# 3910

Delta R.T. 0.03 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

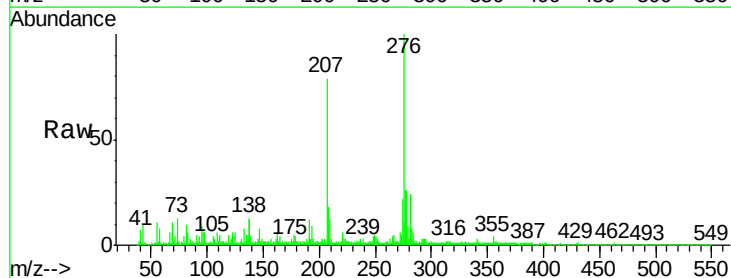
Tgt Ion:276 Resp: 1247759

Ion Ratio Lower Upper

276 100

138 13.3 9.3 13.9

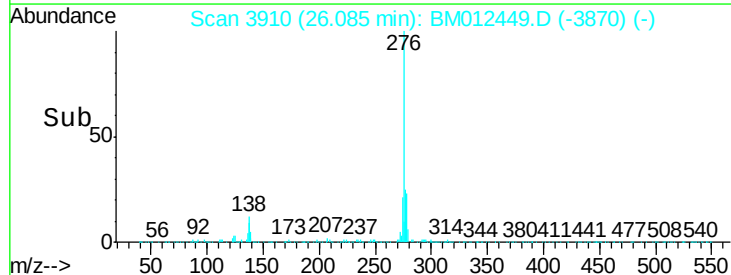
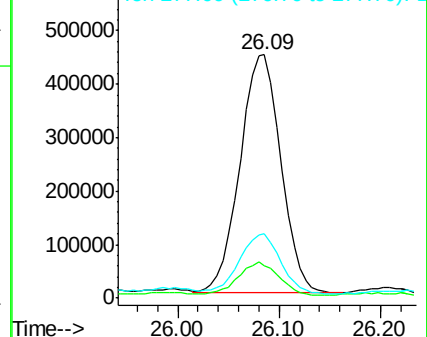
277 26.3 19.9 29.9

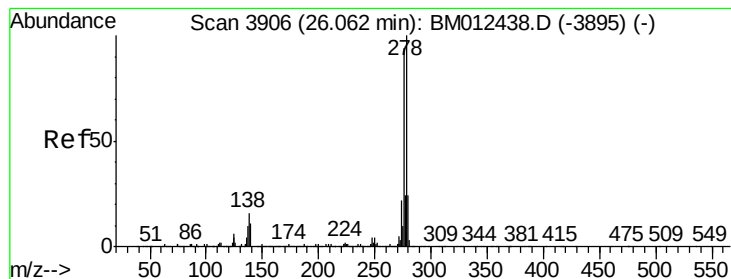


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.65 ng/ul

RT: 26.09 min Scan# 3910

Delta R.T. 0.02 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

Instrument :

BNA_M

ClientSampleId :

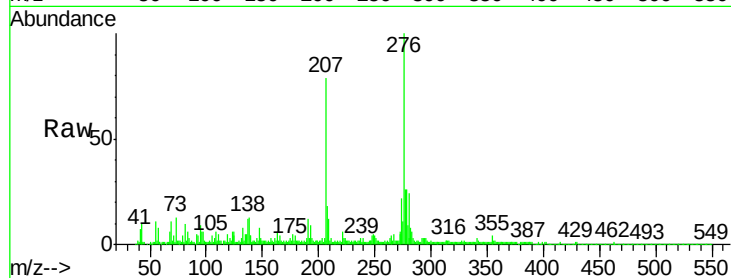
Tot Ion:278 Resp: 365238

Ion Ratio Lower Upper

278 100

139 32.8 5.8 8.8#

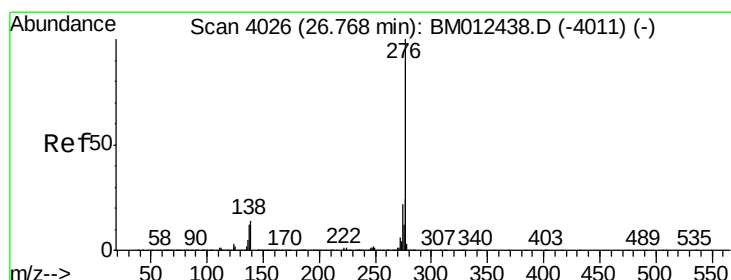
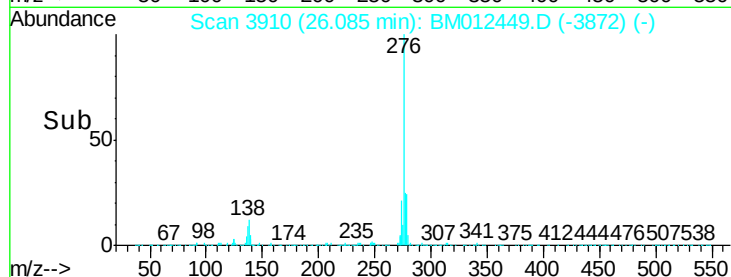
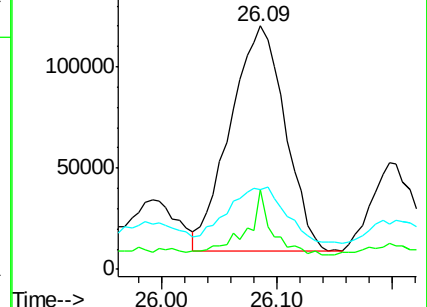
279 32.9 18.6 27.8#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.83 ng/ul

RT: 26.80 min Scan# 4032

Delta R.T. 0.03 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

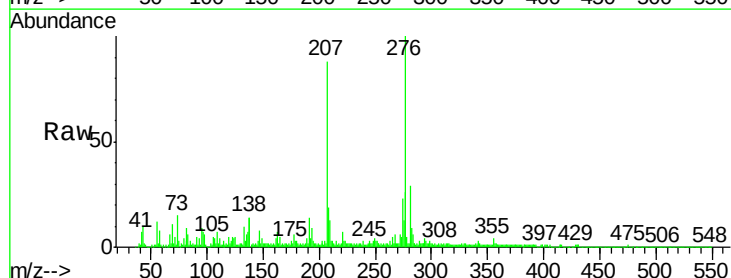
Tgt Ion:276 Resp: 1234411

Ion Ratio Lower Upper

276 100

138 13.6 8.5 12.7#

277 26.0 18.6 28.0



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

