

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121117\
 Data File : BM013321.D
 Acq On : 12 Dec 2017 01:21
 Operator : SJ/JU
 Sample : I6758-08 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 12 02:15:25 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 12 02:07:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	167611	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	756008	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	463884	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	1117270	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1393899	20.00	ng/ul	0.00
83) Perylene-d12	23.50	264	1378706	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	2059	0.61	ng/uL	0.00
5) Phenol-d5	6.87	99	44797	3.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	26684	3.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	34072	3.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	38250	3.09	ng/ul	0.00
19) Nitrobenzene-d5	8.84	128	19022	3.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	20837	3.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	38683	2.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	35795	2.95	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	140214	3.40	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	167962	3.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	17369	2.42	ng/ul	0.01
57) Fluorene-d10	15.32	176	126348	3.56	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	14456	2.06	ng/ul	0.00
70) Anthracene-d10	17.17	188	202300	3.62	ng/ul	0.00
76) Pyrene-d10	19.47	212	227826	3.28	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	223028	3.18	ng/ul	0.00

Target Compounds

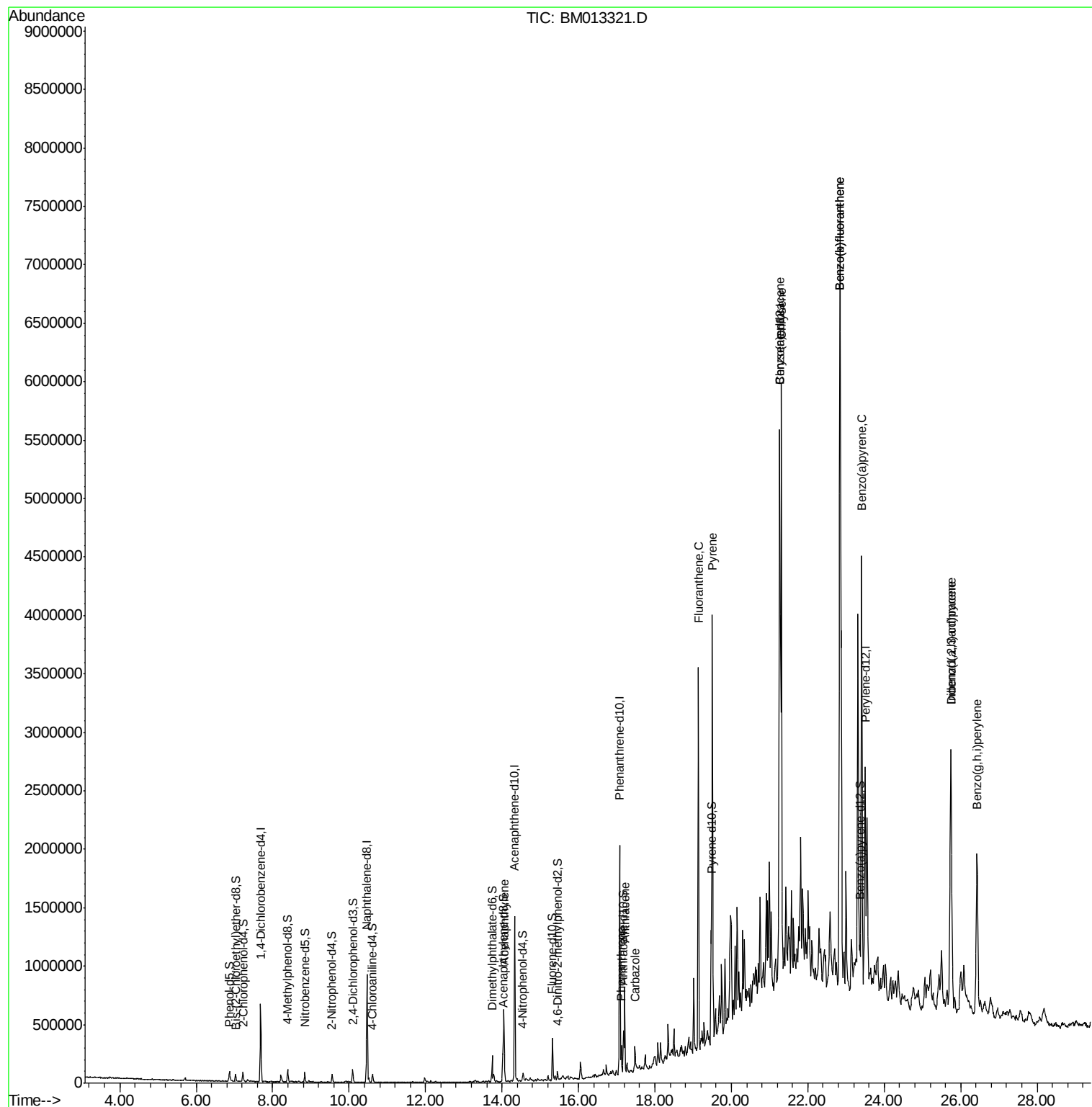
					Ovalue	
47) Acenaphthylene	14.05	152	458203	9.720	ng/ul	98
69) Phenanthrene	17.12	178	140202	2.209	ng/ul	97
71) Anthracene	17.21	178	436564	6.729	ng/ul	99
72) Carbazole	17.48	167	118383	2.121	ng/ul	97
74) Fluoranthene	19.14	202	1909358	24.546	ng/ul#	92
77) Pyrene	19.50	202	2195900	25.931	ng/ul#	92
80) Benzo(a)anthracene	21.26	228	2064843	23.348	ng/ul	94
82) Chrysene	21.31	228	3097763	37.755	ng/ul	98
85) Benzo(b)fluoranthene	22.84	252	5839314	62.828	ng/ul#	98
86) Benzo(k)fluoranthene	22.84	252	5839314	66.763	ng/ul#	97
88) Benzo(a)pyrene	23.41	252	2612387	31.290	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.74	276	2130593	25.720	ng/ul#	97
90) Dibenzo(a,h)anthracene	25.74	278	592598	8.401	ng/ul#	88
91) Benzo(g,h,i)perylene	26.43	276	1768823	27.070	ng/ul#	95

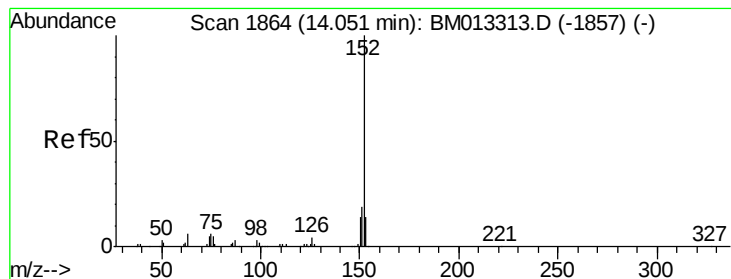
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 12 02:07:09 2017
Response via : Initial Calibration





#47

Acenaphthylene

Concen: 9.720 ng/ul

RT: 14.05 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BM013321.D

Acq: 12 Dec 2017 01:21

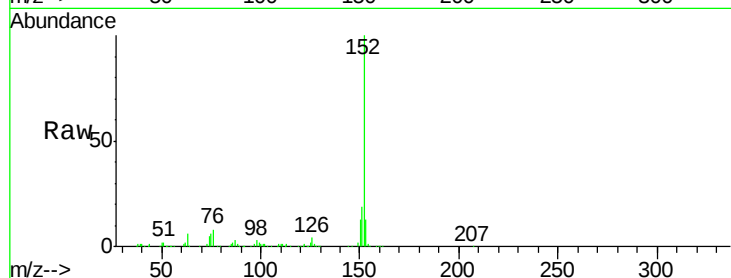
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 458203

Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.3	24.5
153	13.2	10.2	15.4

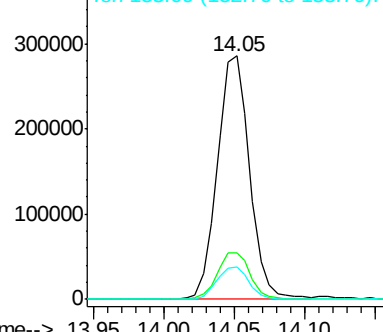


Abundance

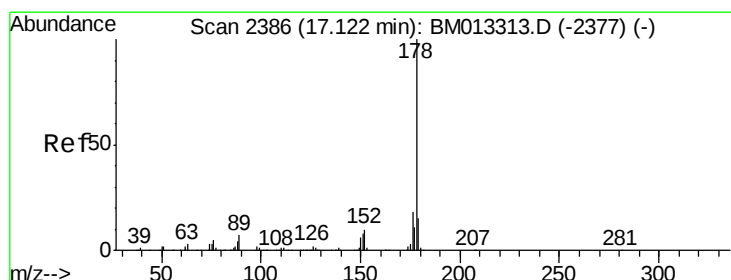
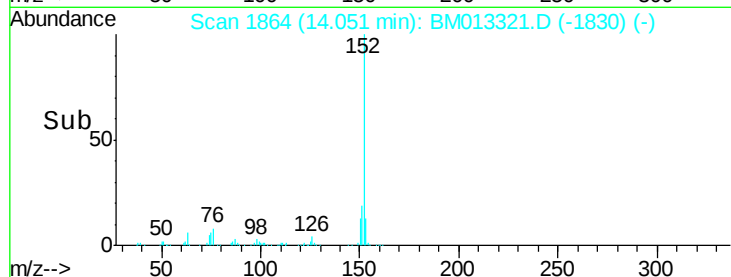
Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time--> 13.95 14.00 14.05 14.10



#69

Phenanthrene

Concen: 2.209 ng/ul

RT: 17.12 min Scan# 2386

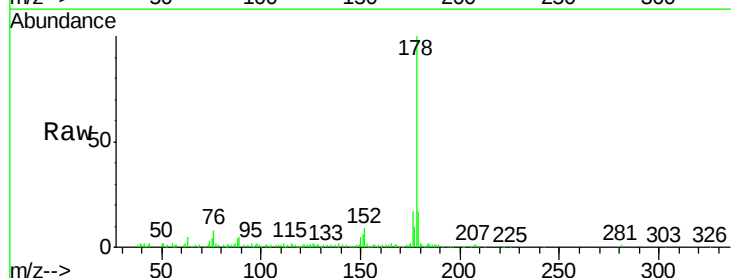
Delta R.T. -0.00 min

Lab File: BM013321.D

Acq: 12 Dec 2017 01:21

Tgt Ion:178 Resp: 140202

Ion	Ratio	Lower	Upper
178	100		
179	17.0	12.6	19.0
176	17.4	14.9	22.3

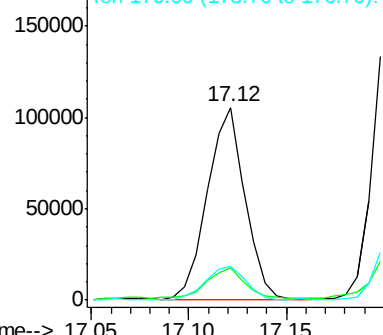


Abundance

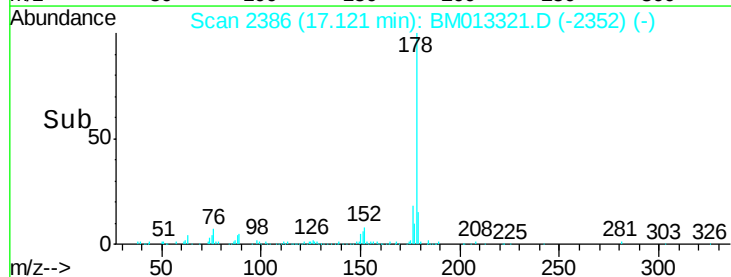
Ion 178.00 (177.70 to 178.70): E

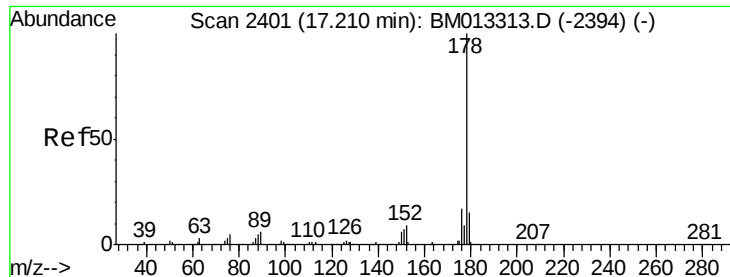
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.05 17.10 17.15





#71

Anthracene

Concen: 6.729 ng/ul

RT: 17.21 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BM013321.D

Acq: 12 Dec 2017 01:21

Instrument :

BNA_M

ClientSampleId :

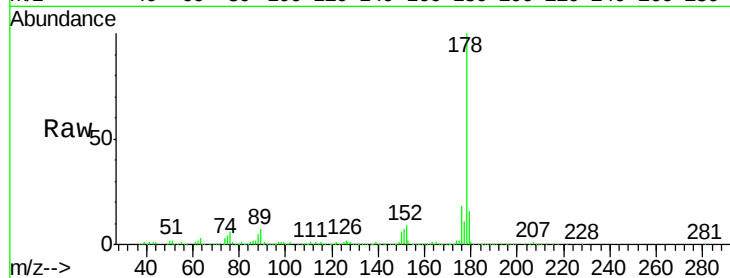
Tot Ion:178 Resp: 436564

Ion Ratio Lower Upper

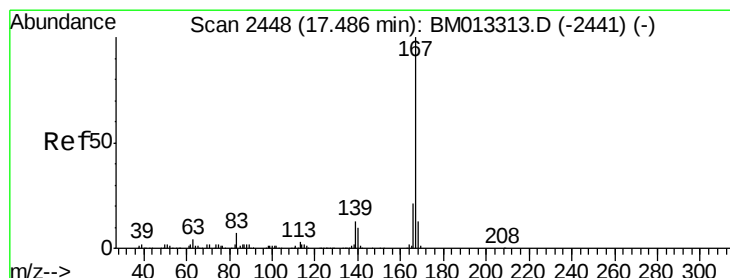
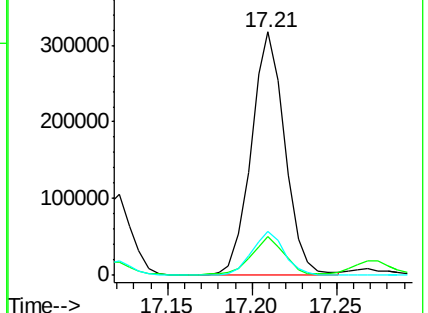
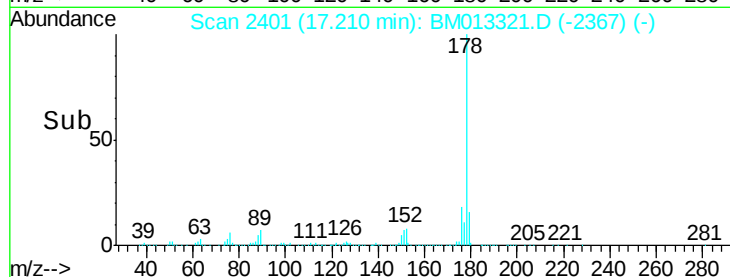
178 100

179 15.8 11.7 17.5

176 18.1 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



#72

Carbazole

Concen: 2.121 ng/ul

RT: 17.48 min Scan# 2447

Delta R.T. -0.01 min

Lab File: BM013321.D

Acq: 12 Dec 2017 01:21

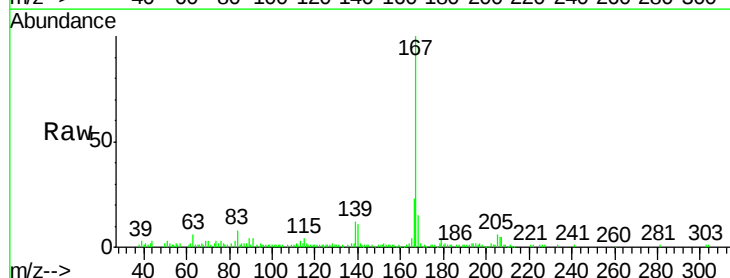
Tgt Ion:167 Resp: 118383

Ion Ratio Lower Upper

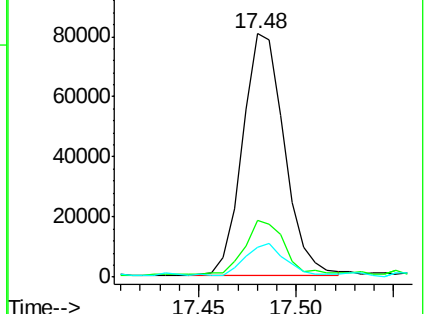
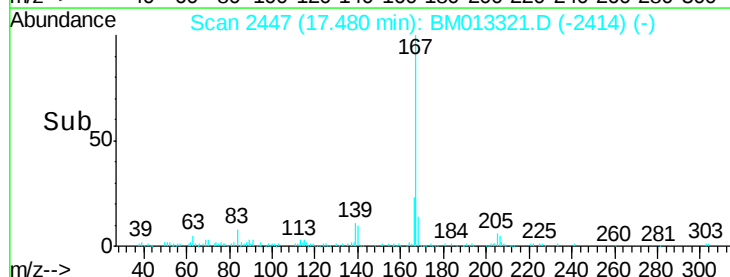
167 100

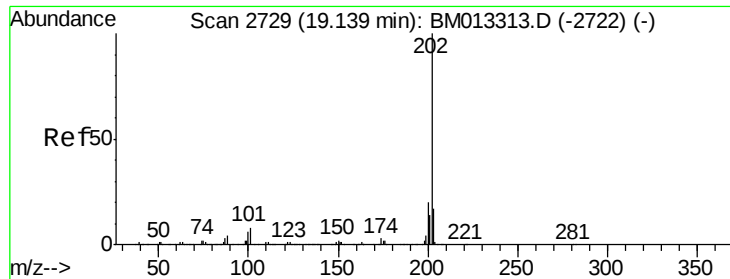
166 23.5 17.1 25.7

139 12.3 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 24.546 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. -0.00 min

Lab File: BM013321.D

Acq: 12 Dec 2017 01:21

Instrument :

BNA_M

ClientSampleId :

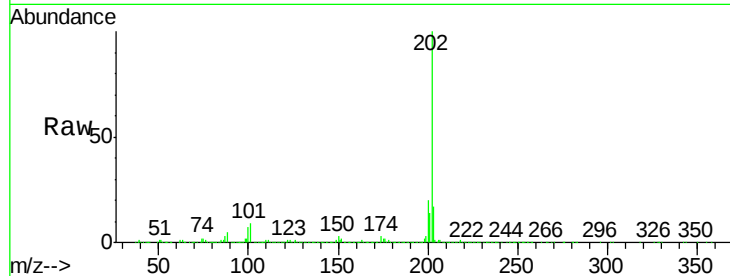
Tot Ion:202 Resp: 1909358

Ion Ratio Lower Upper

202 100

101 8.9 4.6 7.0#

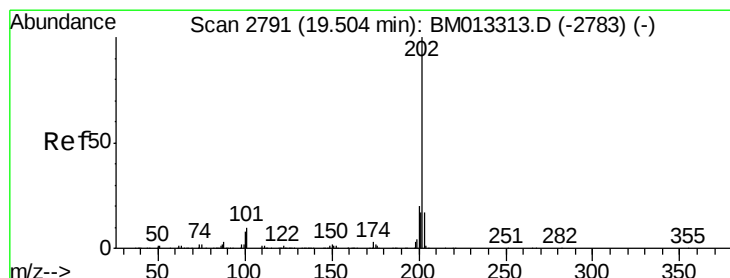
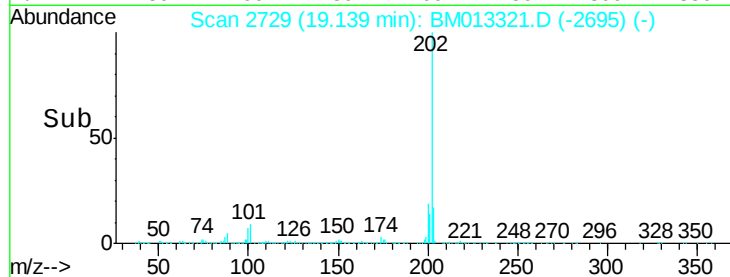
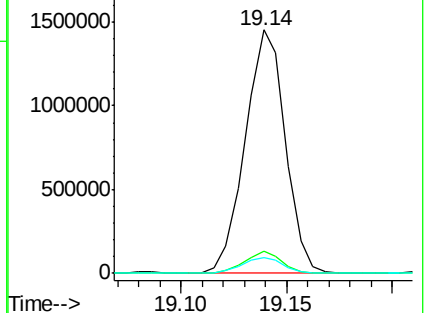
100 6.7 3.4 5.2#



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: 25.931 ng/ul

RT: 19.50 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BM013321.D

Acq: 12 Dec 2017 01:21

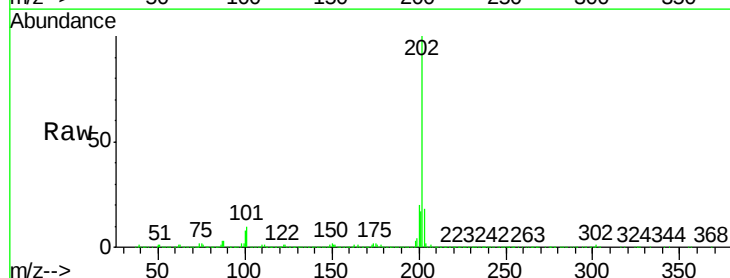
Tgt Ion:202 Resp: 2195900

Ion Ratio Lower Upper

202 100

101 9.6 5.1 7.7#

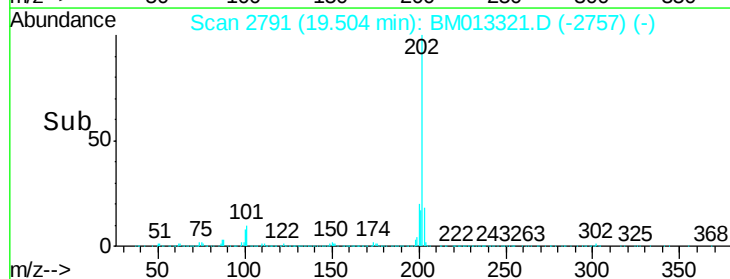
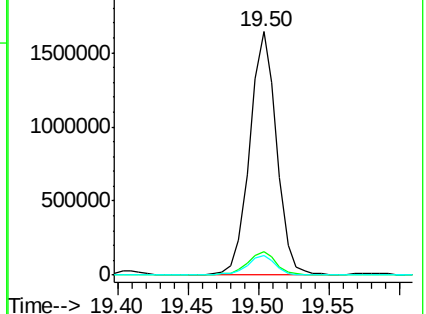
100 8.0 4.9 7.3#

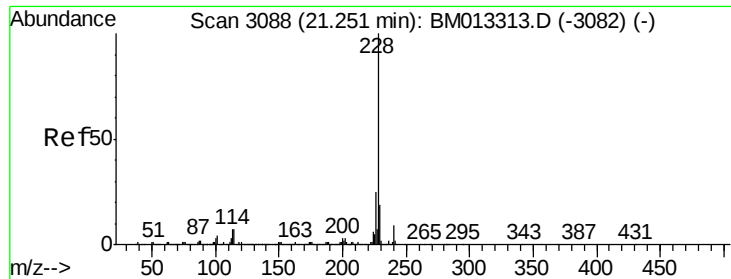


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 23.348 ng/ul

RT: 21.26 min Scan# 3089

Delta R.T. 0.01 min

Lab File: BM013321.D

Acq: 12 Dec 2017 01:21

Instrument :

BNA_M

ClientSampleId :

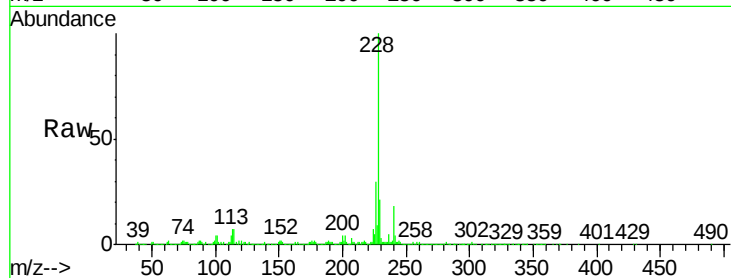
Tot Ion:228 Resp: 2064843

Ion Ratio Lower Upper

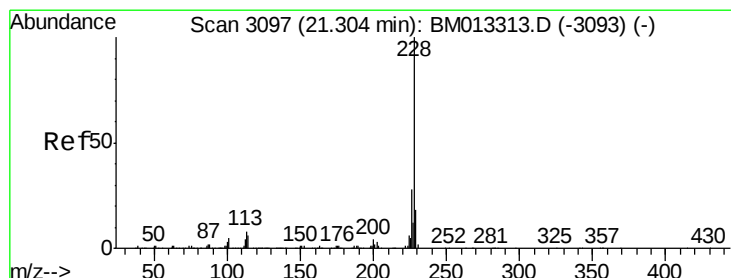
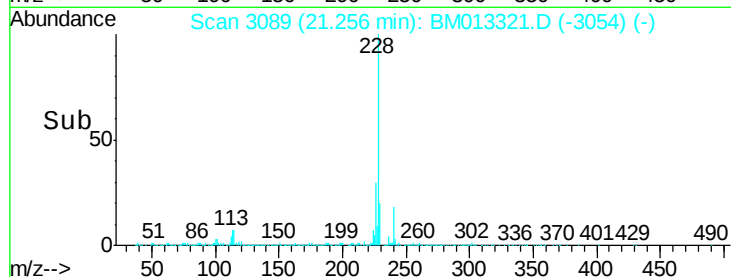
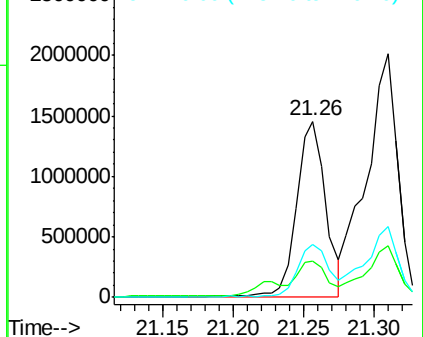
228 100

229 20.9 15.4 23.0

226 30.2 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: 37.755 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BM013321.D

Acq: 12 Dec 2017 01:21

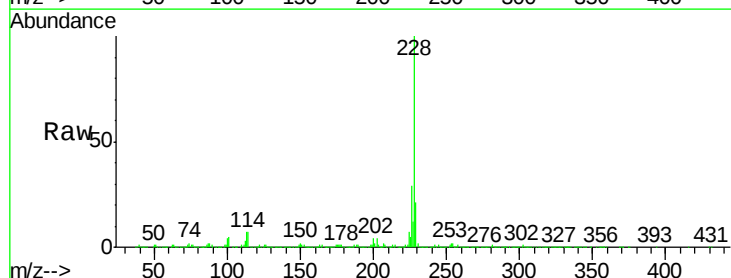
Tgt Ion:228 Resp: 3097763

Ion Ratio Lower Upper

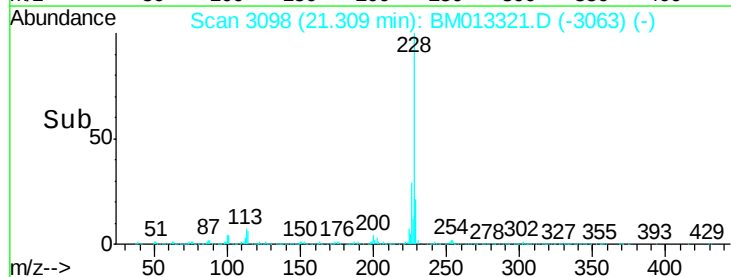
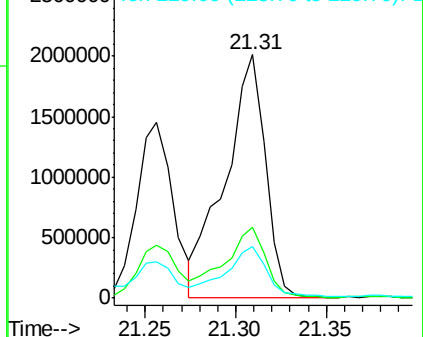
228 100

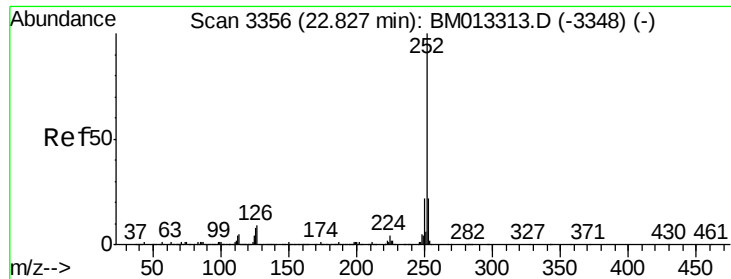
226 29.0 23.4 35.2

229 21.0 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

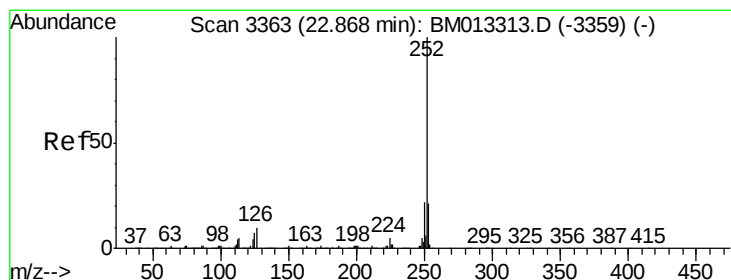
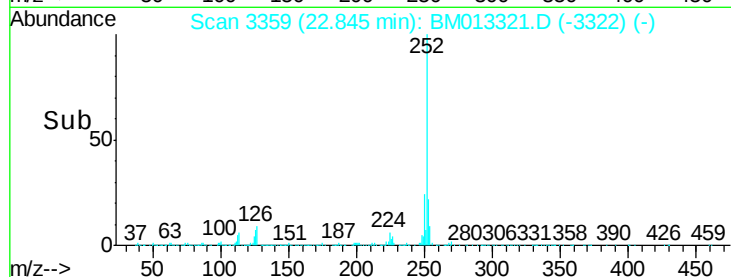
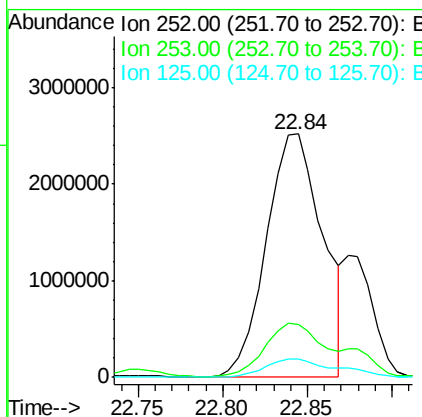
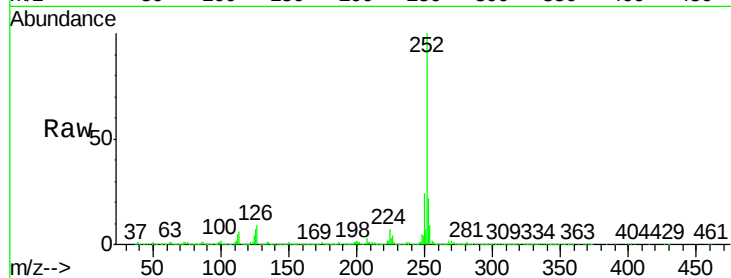




#85
Benzo(b)fluoranthene
Concen: 62.828 ng/ul
RT: 22.84 min Scan# 3359
Delta R.T. 0.02 min
Lab File: BM013321.D
Acq: 12 Dec 2017 01:21

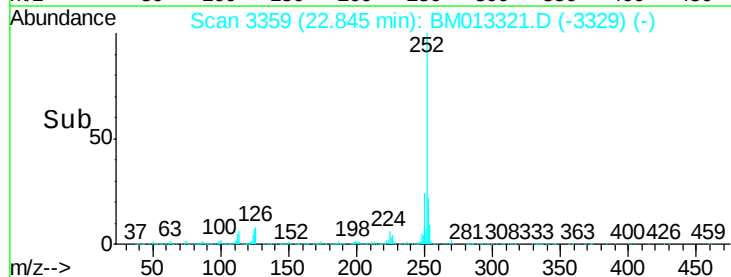
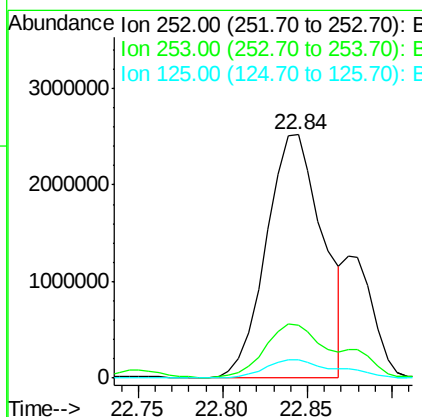
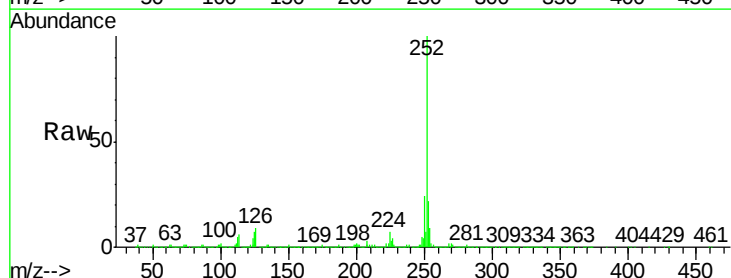
Instrument :
BNA_M
ClientSampleId :

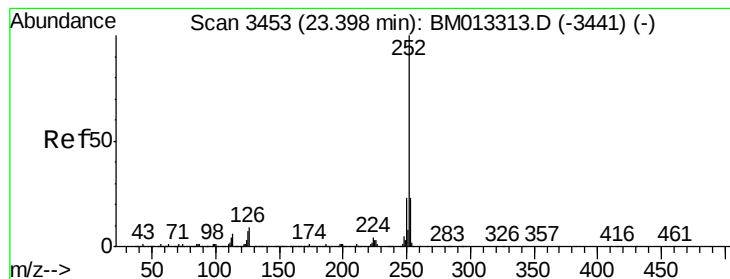
Tot Ion:252 Resp: 5839314
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 7.3 3.6 5.4#



#86
Benzo(k)fluoranthene
Concen: 66.763 ng/ul
RT: 22.84 min Scan# 3359
Delta R.T. -0.02 min
Lab File: BM013321.D
Acq: 12 Dec 2017 01:21

Tgt Ion:252 Resp: 5839314
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 7.3 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 31.290 ng/ul

RT: 23.41 min Scan# 3455

Delta R.T. 0.01 min

Lab File: BM013321.D

Acq: 12 Dec 2017 01:21

Instrument :

BNA_M

ClientSampleId :

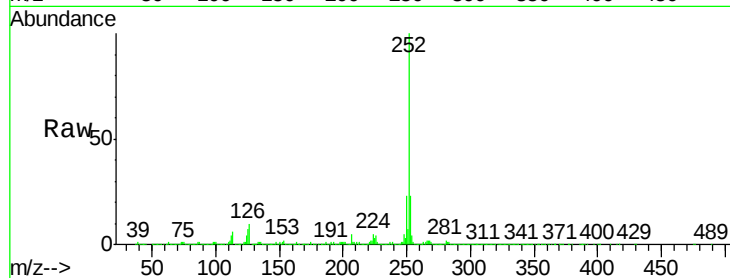
Tot Ion:252 Resp: 2612387

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.2

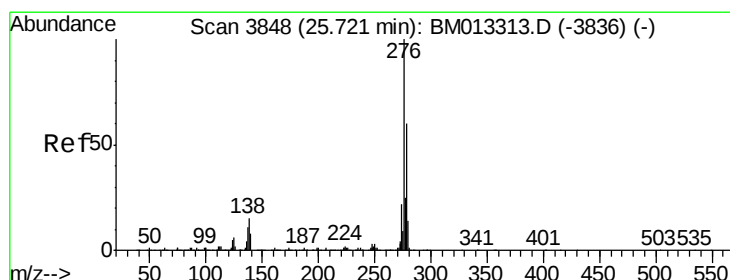
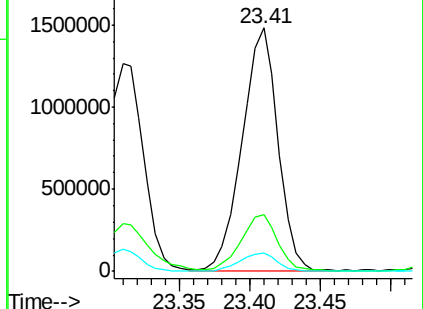
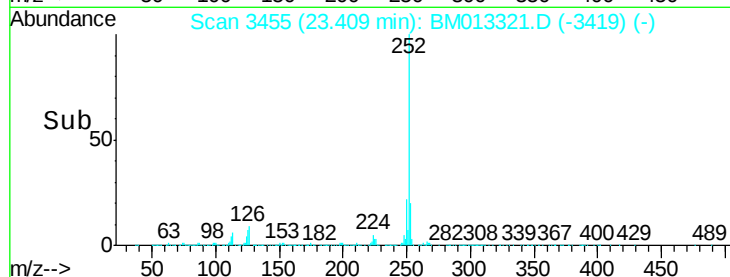
125 7.5 4.0 6.0#



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: 25.720 ng/ul

RT: 25.74 min Scan# 3851

Delta R.T. 0.02 min

Lab File: BM013321.D

Acq: 12 Dec 2017 01:21

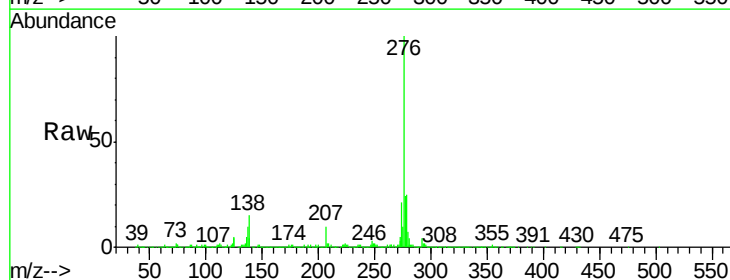
Tgt Ion:276 Resp: 2130593

Ion Ratio Lower Upper

276 100

138 14.6 9.3 13.9#

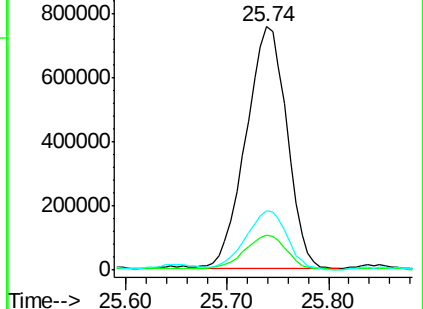
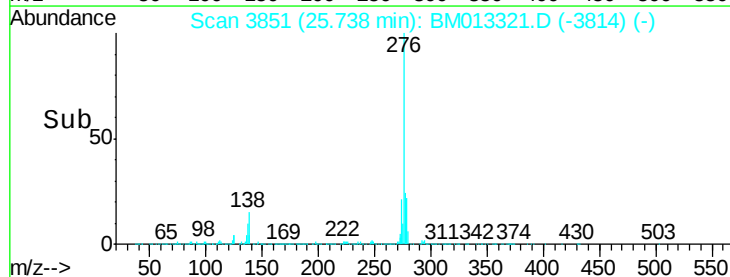
277 24.1 19.9 29.9

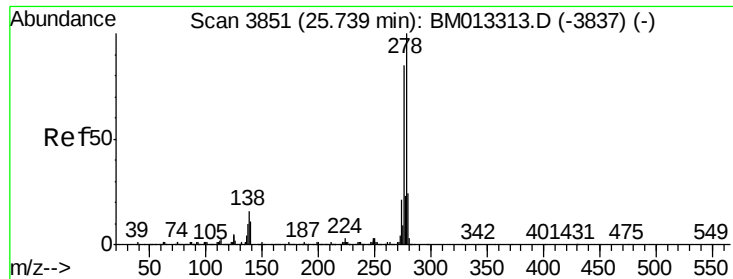


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 8.401 ng/ul

RT: 25.74 min Scan# 3851

Delta R.T. -0.00 min

Lab File: BM013321.D

Acq: 12 Dec 2017 01:21

Instrument :

BNA_M

ClientSampled :

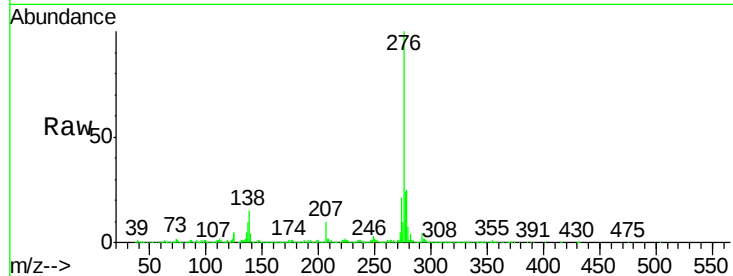
Tot Ion:278 Resp: 592598

Ion Ratio Lower Upper

278 100

139 16.0 5.8 8.8#

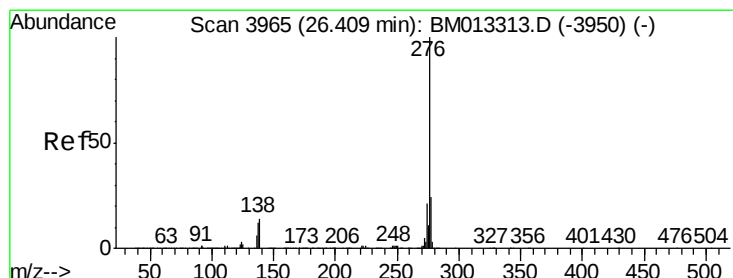
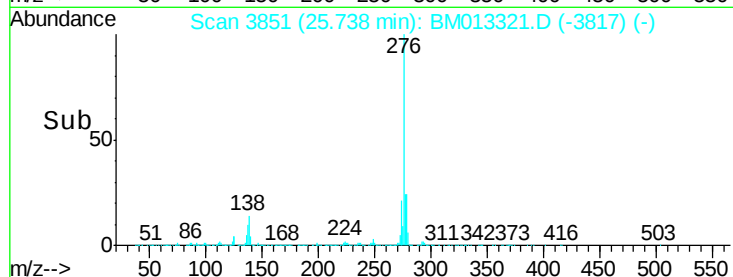
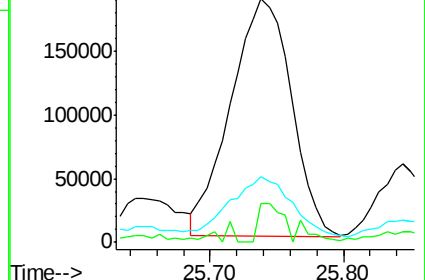
279 27.0 18.6 27.8



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: 27.070 ng/ul

RT: 26.43 min Scan# 3968

Delta R.T. 0.02 min

Lab File: BM013321.D

Acq: 12 Dec 2017 01:21

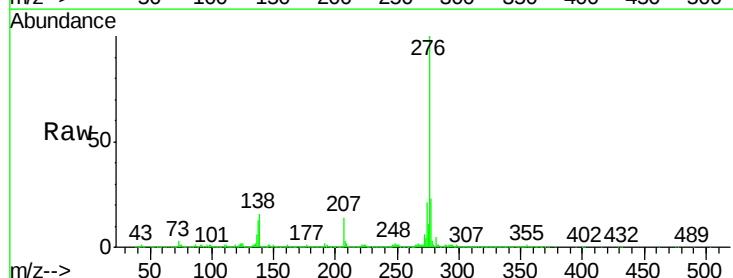
Tgt Ion:276 Resp: 1768823

Ion Ratio Lower Upper

276 100

138 16.2 8.5 12.7#

277 23.3 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

