

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121417\
 Data File : BM013428.D
 Acq On : 15 Dec 2017 07:11
 Operator : SJ/JU
 Sample : I6779-01 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 15 10:03:11 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 04:56:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	268572	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	1153128	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	656898	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1369339	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1107909	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	888392	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	6437	1.19	ng/uL	0.00
5) Phenol-d5	6.86	99	165944	7.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	89931	6.79	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	134077	7.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	137503	6.93	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	68402	7.48	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	75773	7.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	138389	6.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	71791	3.87	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	421588	7.21	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	536271	7.43	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	57665	5.68	ng/ul	0.00
57) Fluorene-d10	15.32	176	355962	7.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	42914	4.98	ng/ul	0.00
70) Anthracene-d10	17.17	188	513282	7.48	ng/ul	0.00
76) Pyrene-d10	19.47	212	508566	9.21	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	332298	7.34	ng/ul	0.00

Target Compounds

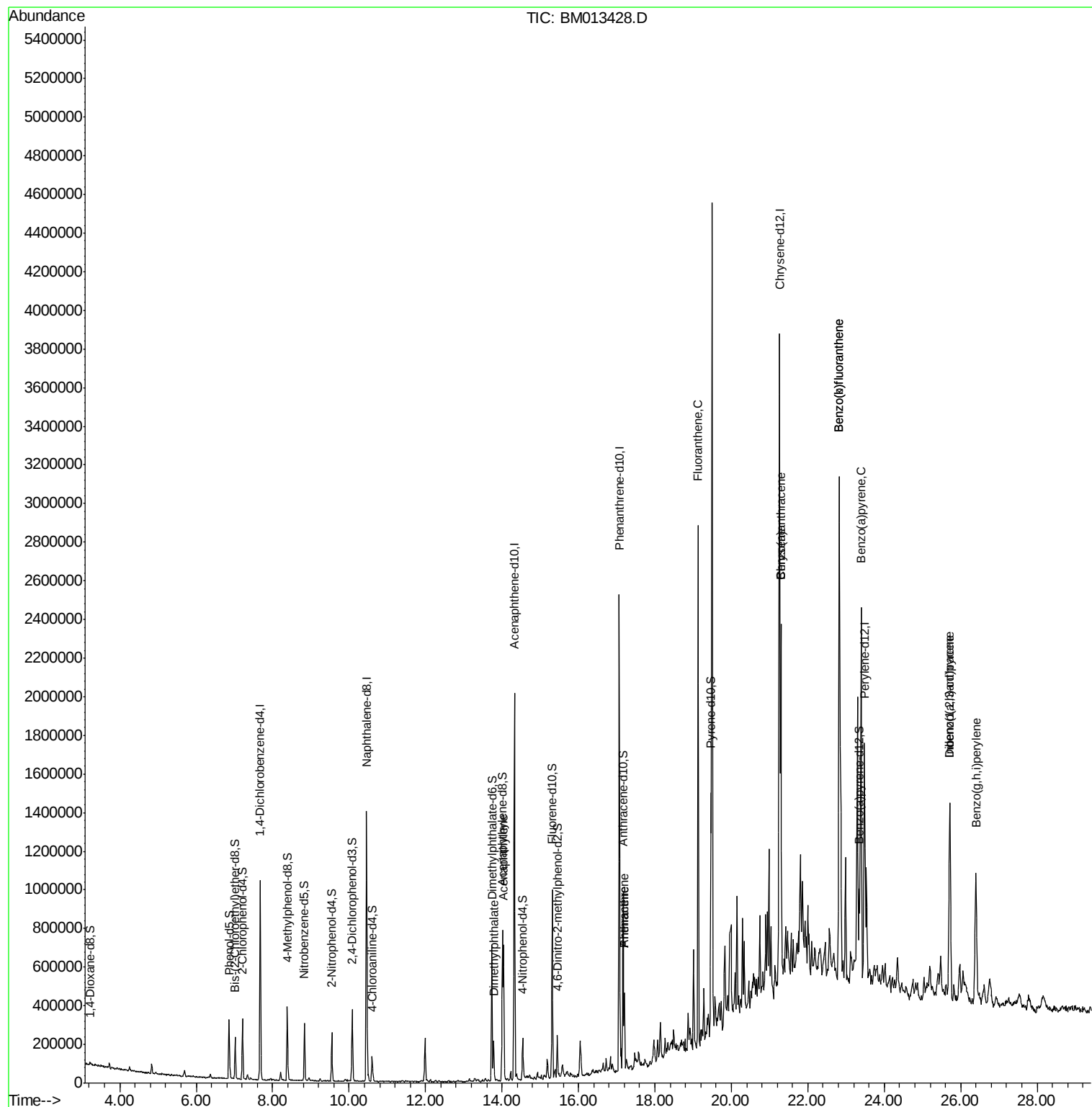
					Ovalue	
44) Dimethylphthalate	13.78	163	89448	1.600	ng/ul	98
47) Acenaphthylene	14.04	152	492341	7.375	ng/ul	98
69) Phenanthrene	17.20	178	249662	3.209	ng/ul	96
71) Anthracene	17.20	178	250727	3.153	ng/ul	98
74) Fluoranthene	19.13	202	1604699	16.832	ng/ul#	94
80) Benzo(a)anthracene	21.30	228	1203258	17.117	ng/ul	94
82) Chrysene	21.30	228	1203258	18.451	ng/ul	97
85) Benzo(b)fluoranthene	22.82	252	2182936	36.450	ng/ul#	98
86) Benzo(k)fluoranthene	22.82	252	2182936	38.733	ng/ul#	97
88) Benzo(a)pyrene	23.39	252	1417309	26.345	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.71	276	1043320	19.546	ng/ul#	97
90) Dibenzo(a,h)anthracene	25.71	278	252661	5.559	ng/ul#	94
91) Benzo(g,h,i)perylene	26.40	276	828488	19.677	ng/ul#	96

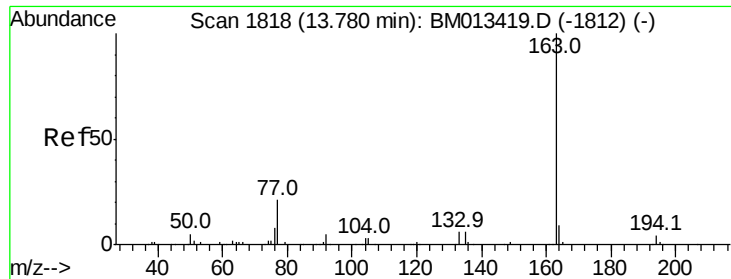
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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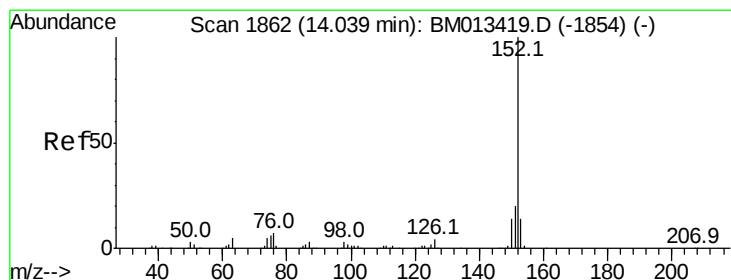
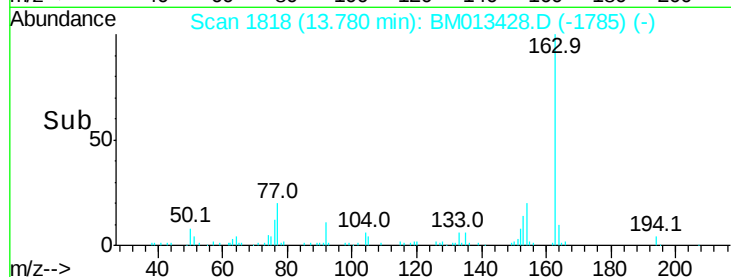
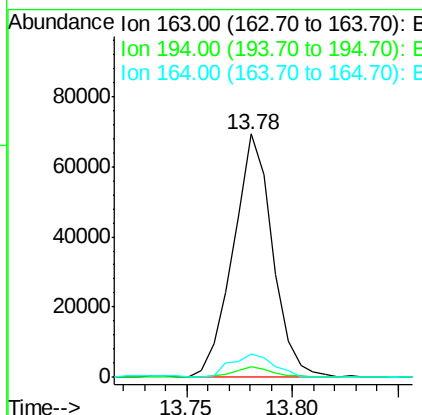
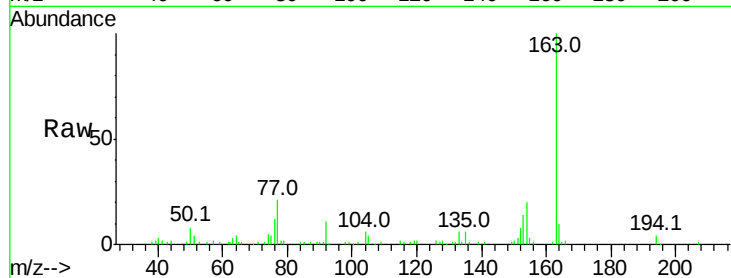




#44
Dimethylphthalate
Concen: 1.600 ng/ul
RT: 13.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BM013428.D
Acq: 15 Dec 2017 07:11

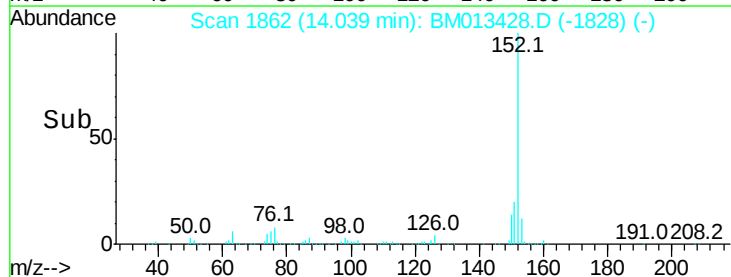
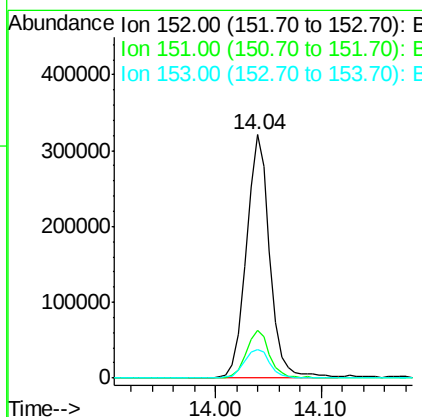
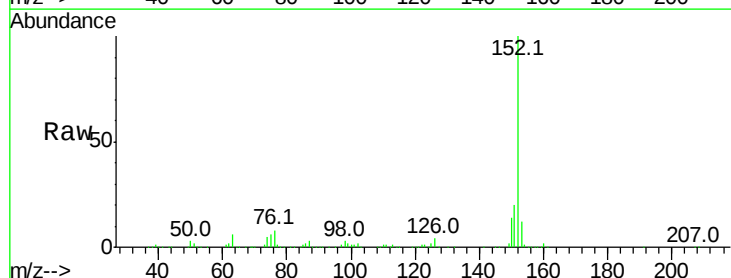
Instrument :
BNA_M
ClientSampleId :

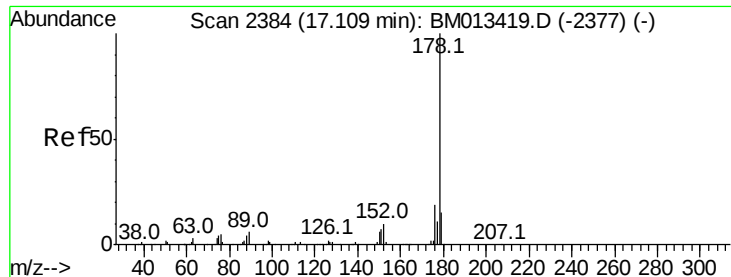
Tot Ion:163 Resp: 89448
Ion Ratio Lower Upper
163 100
194 4.2 3.5 5.3
164 9.6 8.2 12.4



#47
Acenaphthylene
Concen: 7.375 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. -0.00 min
Lab File: BM013428.D
Acq: 15 Dec 2017 07:11

Tgt Ion:152 Resp: 492341
Ion Ratio Lower Upper
152 100
151 19.6 16.3 24.5
153 11.8 10.2 15.4





#69

Phenanthrene

Concen: 3.209 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.09 min

Lab File: BM013428.D

Acq: 15 Dec 2017 07:11

Instrument :

BNA_M

ClientSampleId :

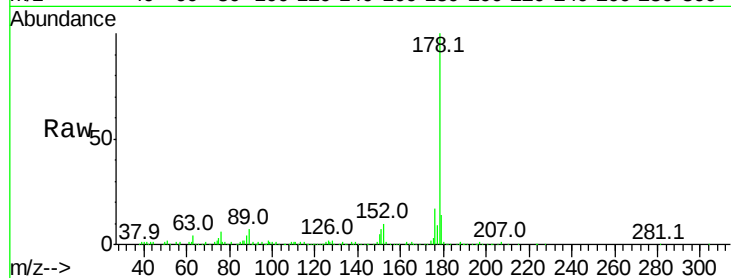
Tot Ion:178 Resp: 249662

Ion Ratio Lower Upper

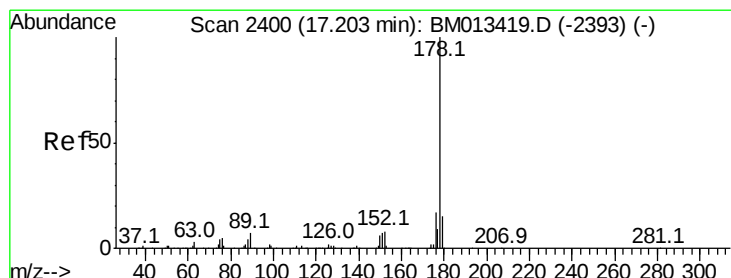
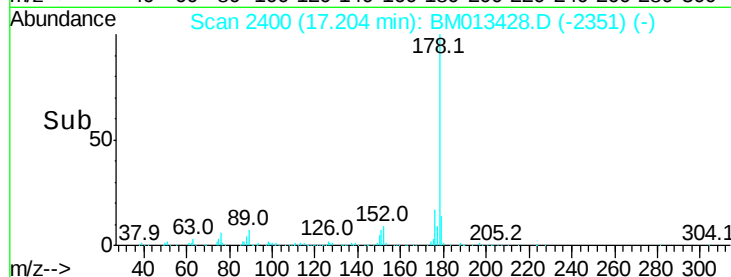
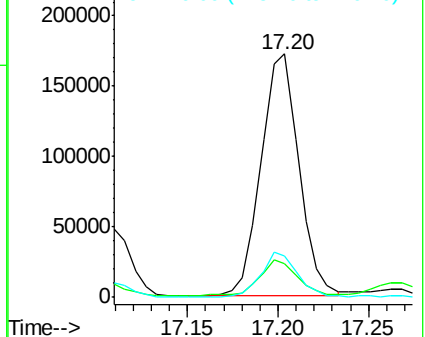
178 100

179 14.1 12.6 19.0

176 17.0 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: 3.153 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BM013428.D

Acq: 15 Dec 2017 07:11

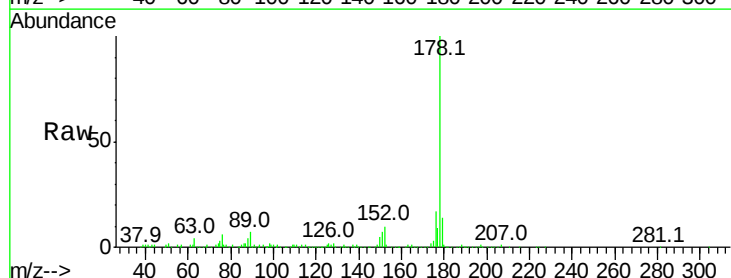
Tgt Ion:178 Resp: 250727

Ion Ratio Lower Upper

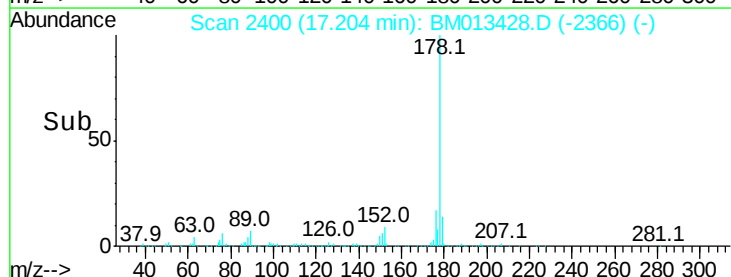
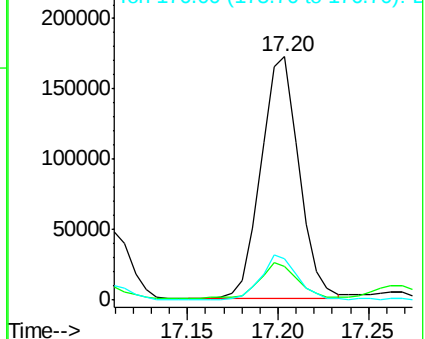
178 100

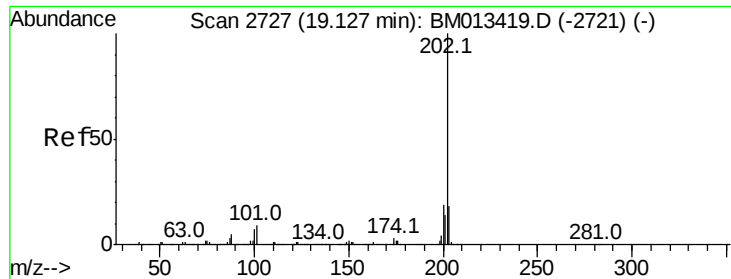
179 14.1 11.7 17.5

176 17.0 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

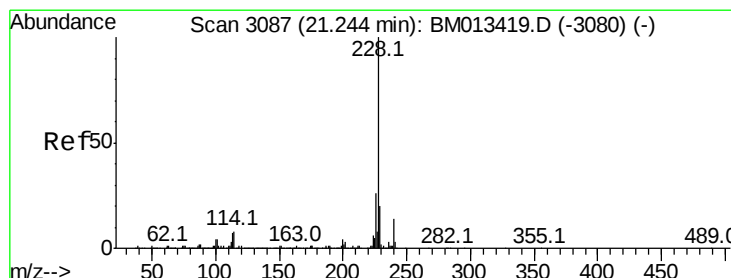
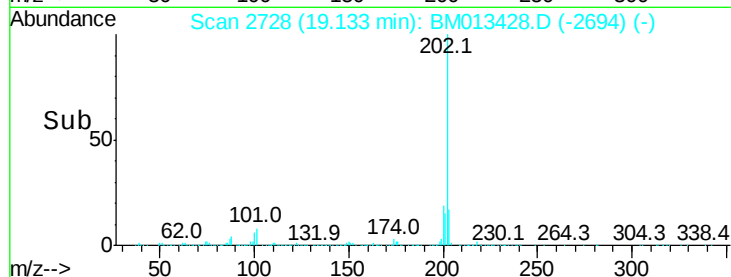
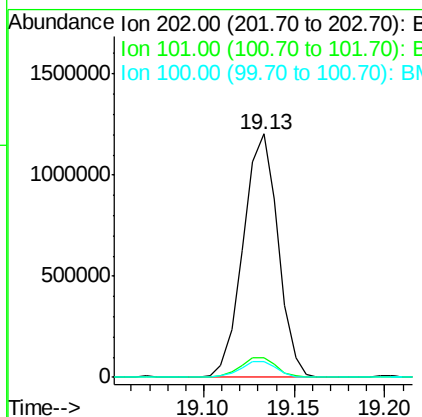
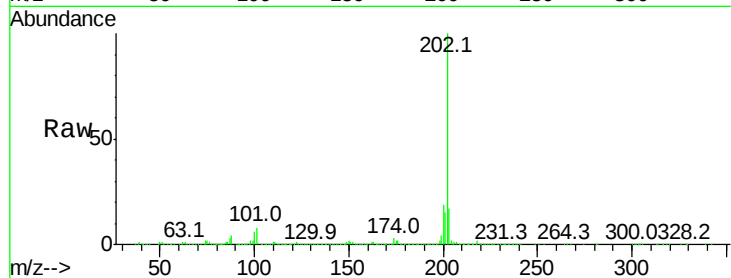




#74
 Fluoranthene
 Concen: 16.832 ng/ul
 RT: 19.13 min Scan# 2728
 Delta R.T. -0.00 min
 Lab File: BM013428.D
 Acq: 15 Dec 2017 07:11

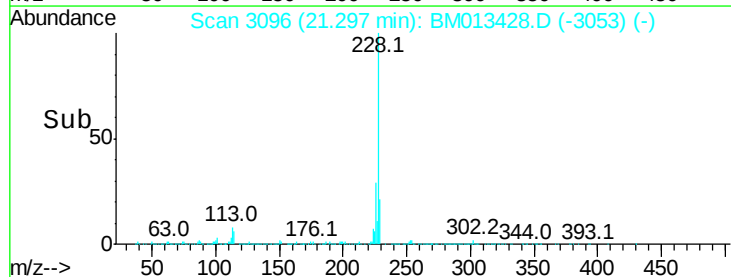
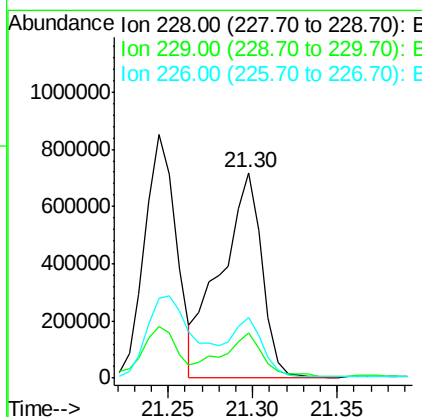
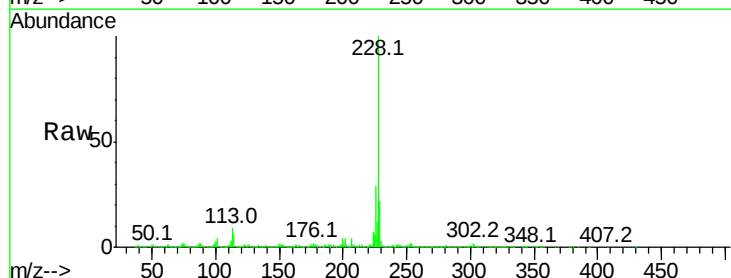
Instrument :
 BNA_M
 ClientSampleId :

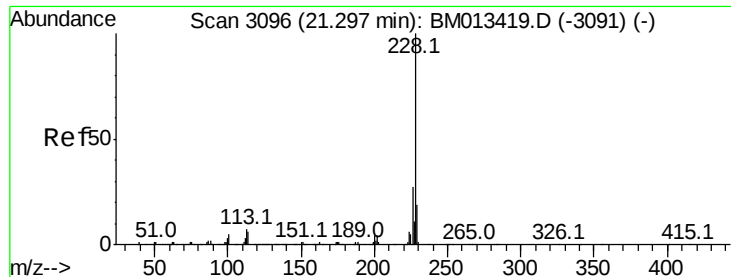
Tot Ion:202 Resp: 1604699
 Ion Ratio Lower Upper
 202 100
 101 7.8 4.6 7.0#
 100 6.4 3.4 5.2#



#80
 Benzo(a)anthracene
 Concen: 17.117 ng/ul
 RT: 21.30 min Scan# 3096
 Delta R.T. 0.05 min
 Lab File: BM013428.D
 Acq: 15 Dec 2017 07:11

Tgt Ion:228 Resp: 1203258
 Ion Ratio Lower Upper
 228 100
 229 22.0 15.4 23.0
 226 29.5 21.4 32.0





#82

Chrysene

Concen: 18.451 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM013428.D

Acq: 15 Dec 2017 07:11

Instrument :

BNA_M

ClientSampleId :

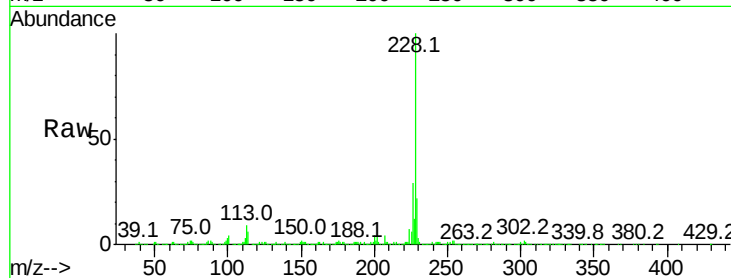
Tot Ion:228 Resp: 1203258

Ion Ratio Lower Upper

228 100

226 29.5 23.4 35.2

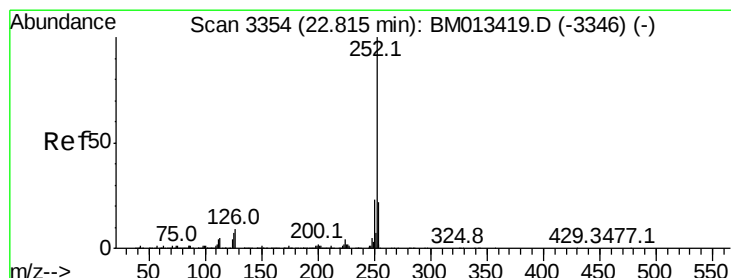
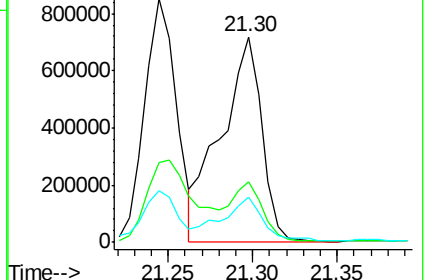
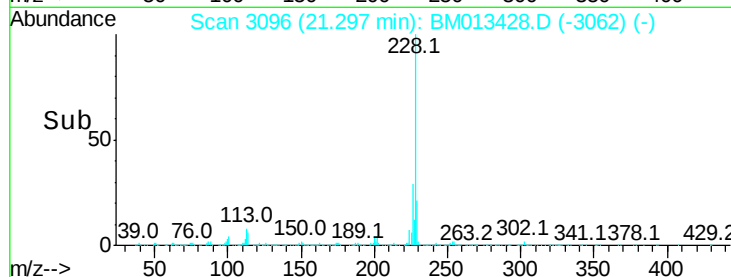
229 22.0 15.5 23.3



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: 36.450 ng/ul

RT: 22.82 min Scan# 3355

Delta R.T. -0.00 min

Lab File: BM013428.D

Acq: 15 Dec 2017 07:11

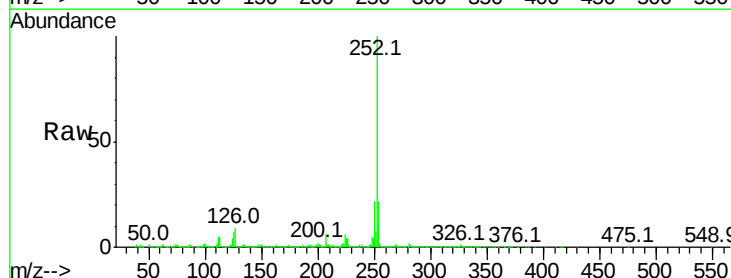
Tgt Ion:252 Resp: 2182936

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

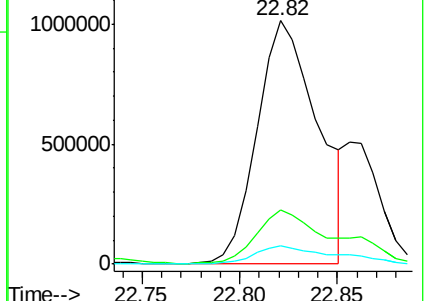
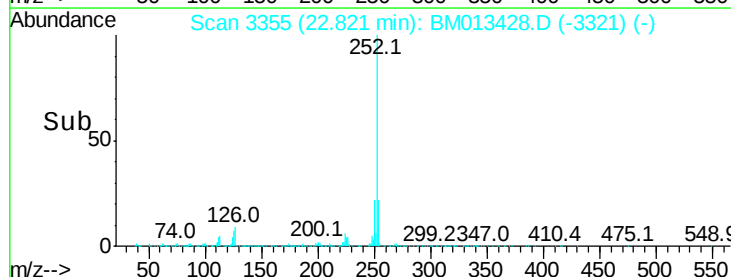
125 7.4 3.6 5.4#

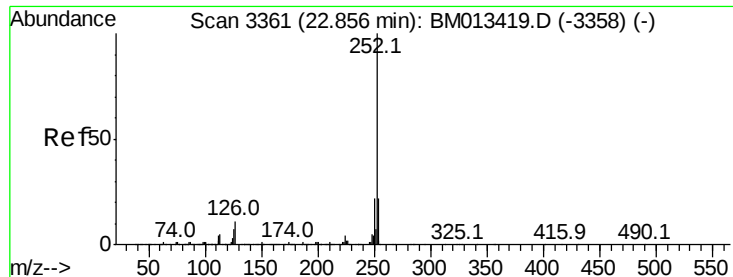


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 38.733 ng/ul

RT: 22.82 min Scan# 3355

Delta R.T. -0.04 min

Lab File: BM013428.D

Acq: 15 Dec 2017 07:11

Instrument :

BNA_M

ClientSampleId :

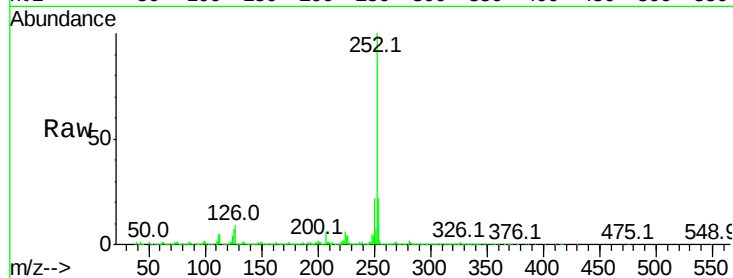
Tot Ion:252 Resp: 2182936

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

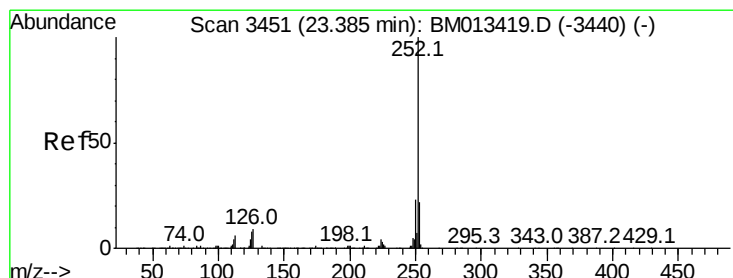
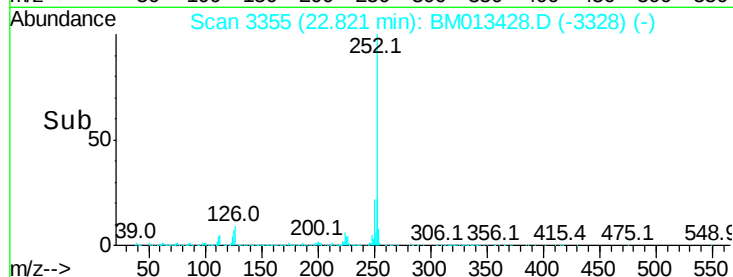
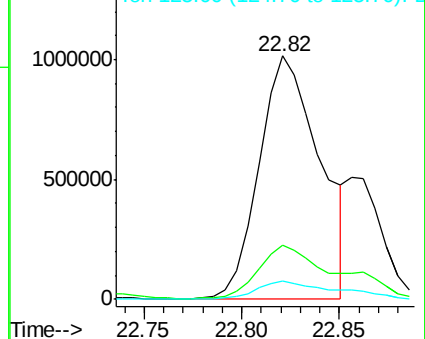
125 7.4 3.4 5.2#



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: 26.345 ng/ul

RT: 23.39 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM013428.D

Acq: 15 Dec 2017 07:11

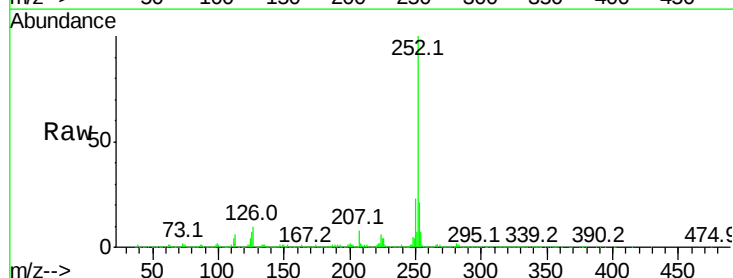
Tgt Ion:252 Resp: 1417309

Ion Ratio Lower Upper

252 100

253 21.4 18.2 27.2

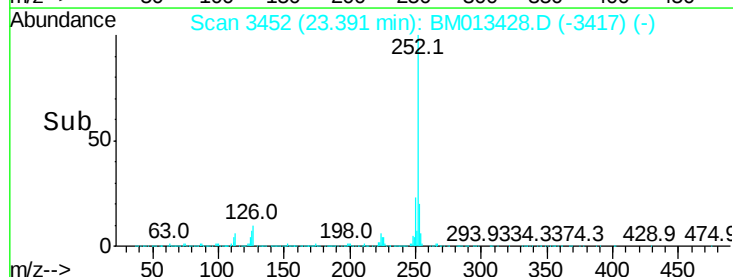
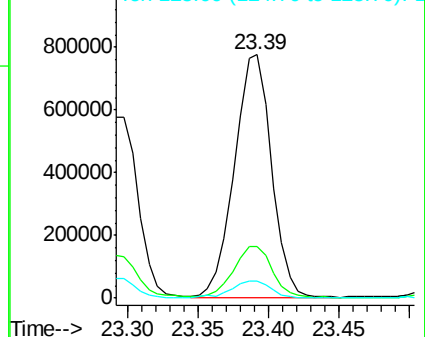
125 6.9 4.0 6.0#

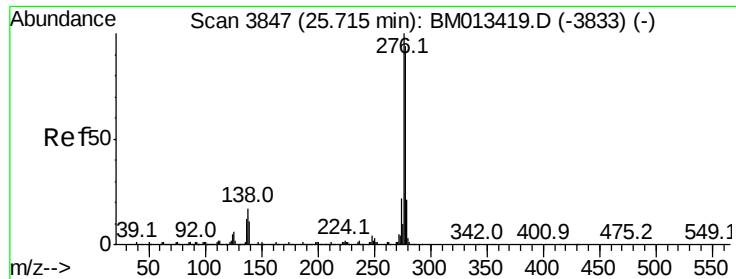


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



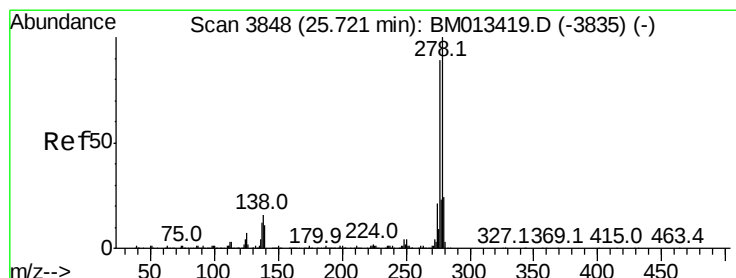
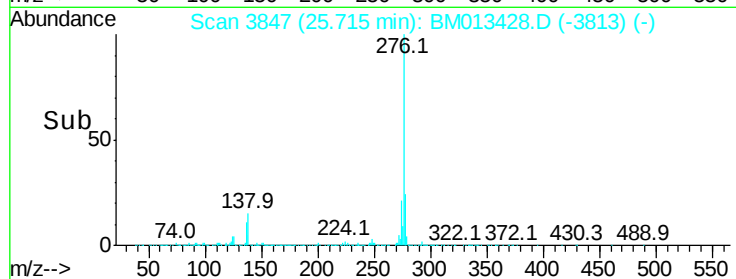
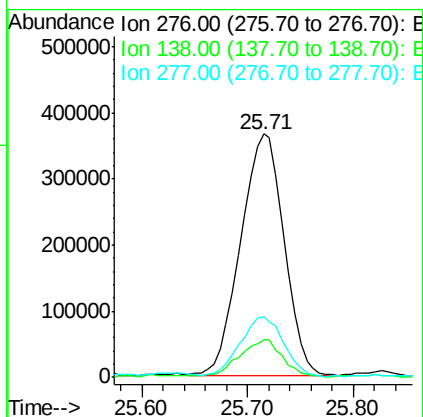
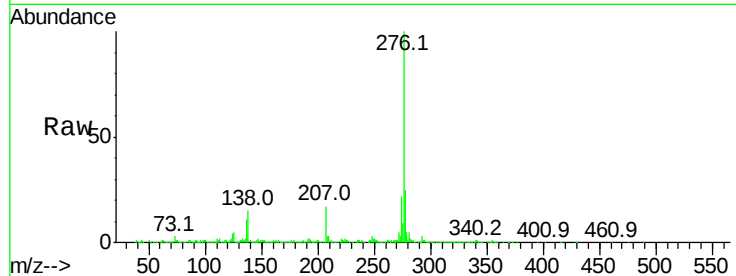


#89

Indeno(1,2,3-cd)pyrene
Concen: 19.546 ng/ul
RT: 25.71 min Scan# 3847
Delta R.T. -0.00 min
Lab File: BM013428.D
Acq: 15 Dec 2017 07:11

Instrument :
BNA_M
ClientSampleId :

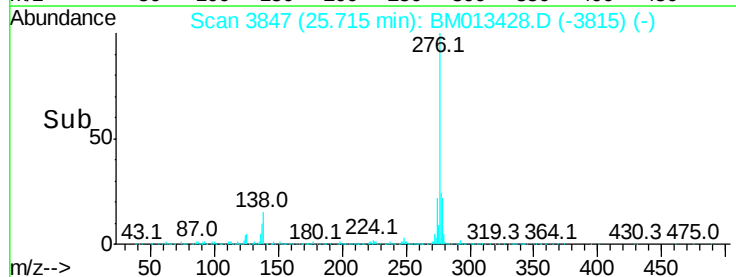
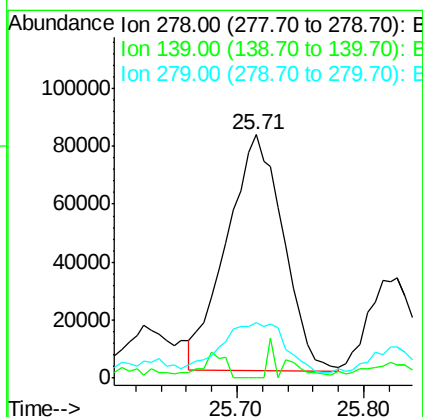
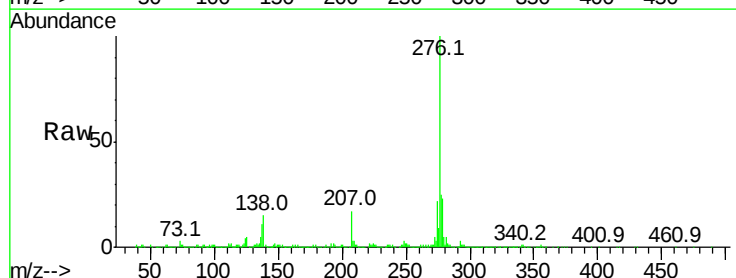
Tot Ion:276 Resp: 1043320
Ion Ratio Lower Upper
276 100
138 15.2 9.3 13.9#
277 24.7 19.9 29.9

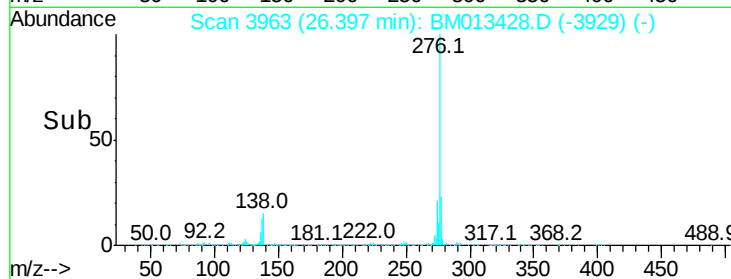
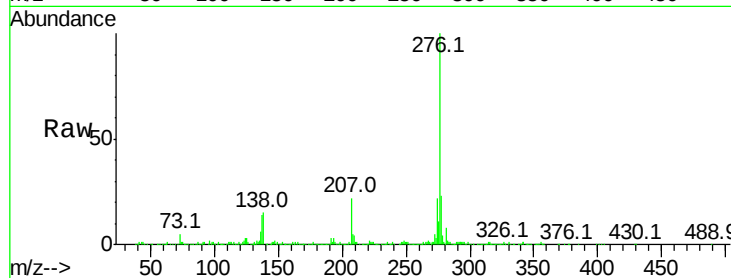
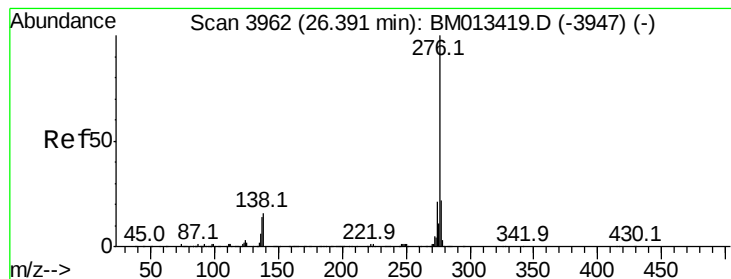


#90

Dibenzo(a,h)anthracene
Concen: 5.559 ng/ul
RT: 25.71 min Scan# 3847
Delta R.T. -0.01 min
Lab File: BM013428.D
Acq: 15 Dec 2017 07:11

Tgt Ion:278 Resp: 252661
Ion Ratio Lower Upper
278 100
139 0.0 5.8 8.8#
279 22.5 18.6 27.8





#91

Benzo(a,h,i)perylene

Concen: 19.677 ng/ul

RT: 26.40 min Scan# 3963

Delta R.T. -0.00 min

Lab File: BM013428.D

Acq: 15 Dec 2017 07:11

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 828488

Ion Ratio Lower Upper

276 100

138 15.2 8.5 12.7#

277 22.9 18.6 28.0

