

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101217\
 Data File : BM012141.D
 Acq On : 13 Oct 2017 17:45
 Operator : SJ/JU
 Sample : I5568-07DL 5X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 13 18:52:44 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 13 04:53:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	211933	20.00	ng/ul	0.01
18) Naphthalene-d8	10.65	136	910819	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.49	164	556472	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.24	188	1252677	20.00	ng/ul	0.01
75) Chrysene-d12	21.42	240	1085492	20.00	ng/ul	0.02
83) Perylene-d12	23.75	264	957620	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	3057	0.69	ng/uL	0.00
5) Phenol-d5	7.02	99	71054	4.13	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.17	67	43698	4.24	ng/ul	0.01
9) 2-Chlorophenol-d4	7.37	132	63046	4.32	ng/ul	0.01
13) 4-Methylphenol-d8	8.56	113	58815	3.97	ng/ul	0.02
19) Nitrobenzene-d5	9.01	128	31525	4.54	ng/ul	0.01
22) 2-Nitrophenol-d4	9.73	143	34150	4.20	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.27	165	65226	4.21	ng/ul	0.02
29) 4-Chloroaniline-d4	10.79	131	52918	3.65	ng/ul	0.02
43) Dimethylphthalate-d6	13.89	166	230973	4.70	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	273036	4.59	ng/ul	0.01
51) 4-Nitrophenol-d4	14.75	143	13357	1.81	ng/ul	0.06
57) Fluorene-d10	15.49	176	195756	4.85	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.64	200	2231	0.26	ng/ul	0.04
70) Anthracene-d10	17.34	188	298014	4.81	ng/ul	0.02
76) Pyrene-d10	19.63	212	304463	5.53	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.60	264	210865	4.57	ng/ul	0.04

Target Compounds

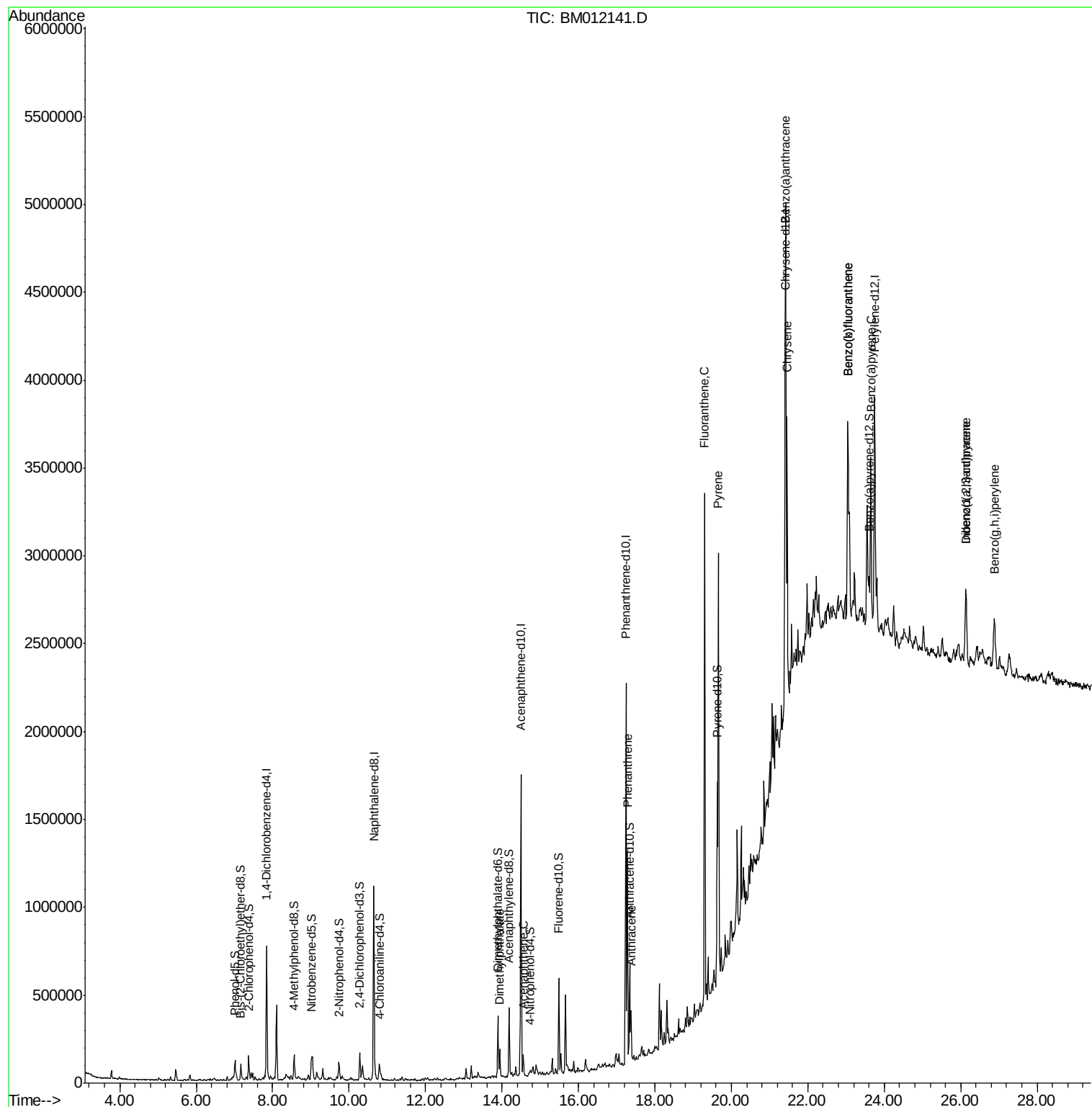
					Ovalue	
44) Dimethylphthalate	13.94	163	94658	1.921	ng/ul	100
49) Acenaphthene	14.56	153	45714	1.161	ng/ul	96
69) Phenanthrene	17.28	178	682697	9.580	ng/ul	99
71) Anthracene	17.37	178	172414	2.337	ng/ul	97
74) Fluoranthene	19.30	202	1745045	20.292	ng/ul#	92
77) Pyrene	19.66	202	1448349	20.204	ng/ul#	93
80) Benzo(a)anthracene	21.40	228	977340	13.837	ng/ul	97
82) Chrysene	21.46	228	882720	13.311	ng/ul	95
85) Benzo(b)fluoranthene	23.04	252	1162084	18.596	ng/ul#	94
86) Benzo(k)fluoranthene	23.04	252	1162084	19.296	ng/ul#	92
88) Benzo(a)pyrene	23.65	252	735352	12.485	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	26.14	276	437716	6.998	ng/ul#	97
90) Dibenzo(a,h)anthracene	26.13	278	125697	2.391	ng/ul#	70
91) Benzo(g,h,i)perylene	26.88	276	384584	7.507	ng/ul#	90

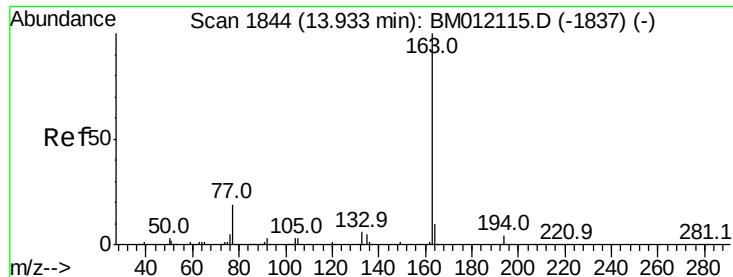
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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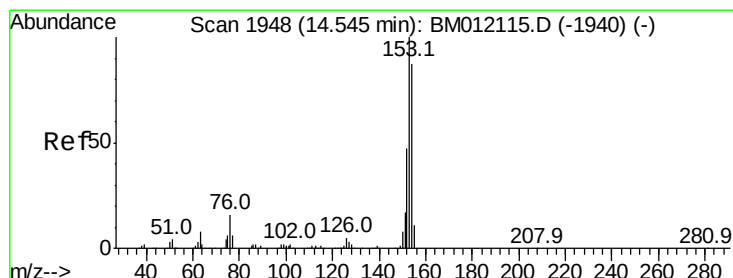
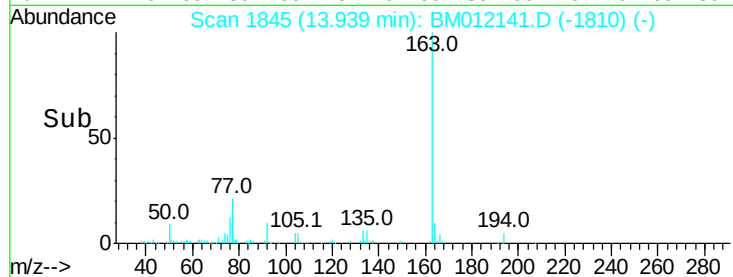
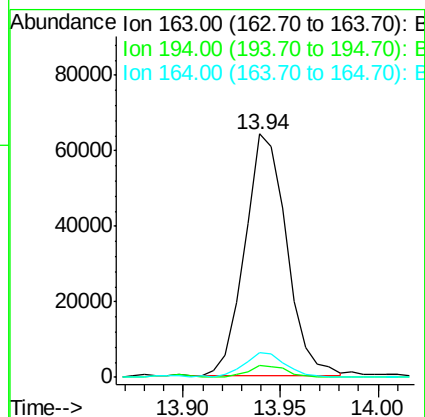
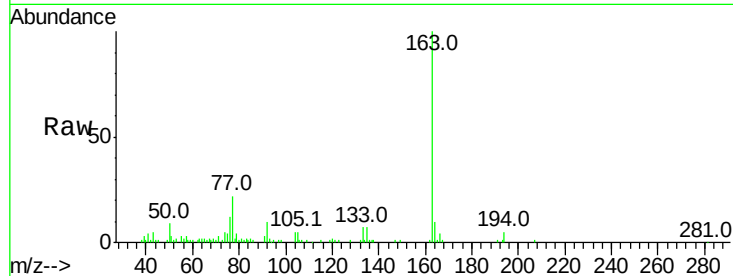




#44
Dimethylphthalate
Concen: 1.921 ng/ul
RT: 13.94 min Scan# 1845
Delta R.T. 0.01 min
Lab File: BM012141.D
Acq: 13 Oct 2017 17:45

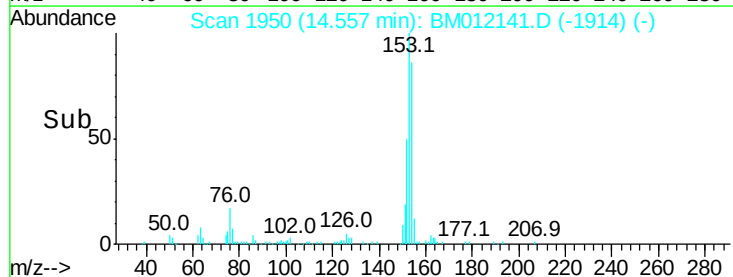
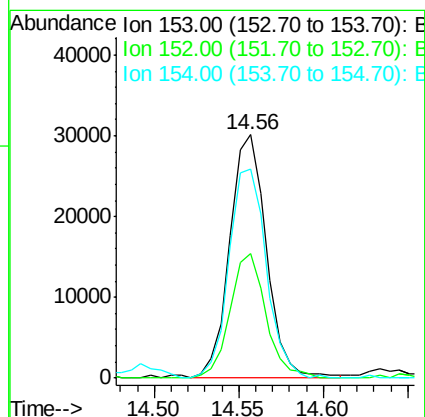
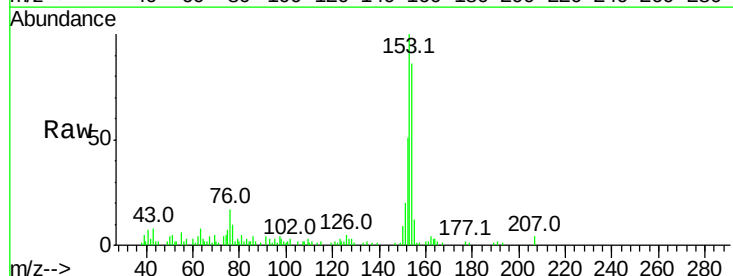
Instrument :
BNA_M
ClientSampleId :

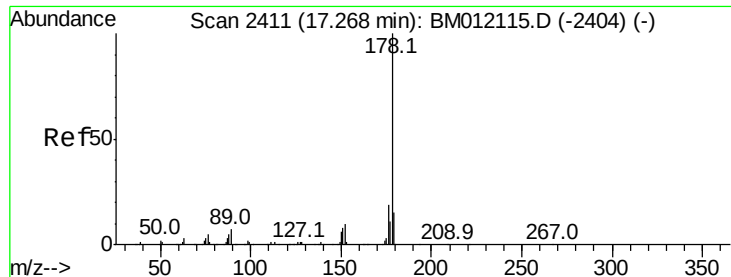
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	10.4	8.2	12.4



#49
Acenaphthene
Concen: 1.161 ng/ul
RT: 14.56 min Scan# 1950
Delta R.T. 0.01 min
Lab File: BM012141.D
Acq: 13 Oct 2017 17:45

Tgt Ion	Ratio	Lower	Upper
153	100		
152	51.0	37.6	56.4
154	85.8	70.4	105.6





#69

Phenanthrene

Concen: 9.580 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. 0.01 min

Lab File: BM012141.D

Acq: 13 Oct 2017 17:45

Instrument :

BNA_M

ClientSampleId :

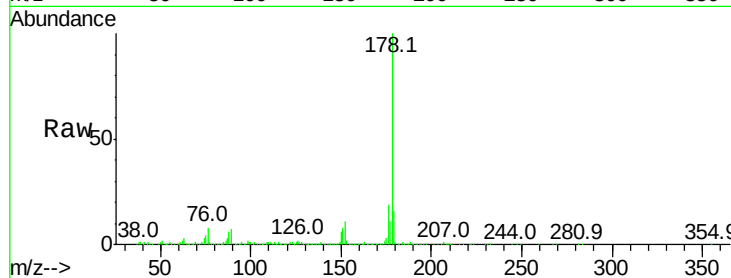
Tot Ion:178 Resp: 682697

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	19.0
176	18.8	14.9	22.3

178 100

179 15.5 12.6 19.0

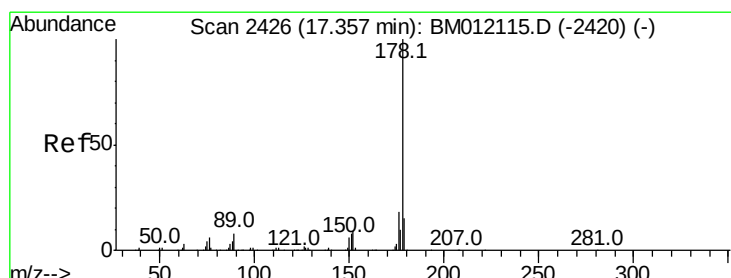
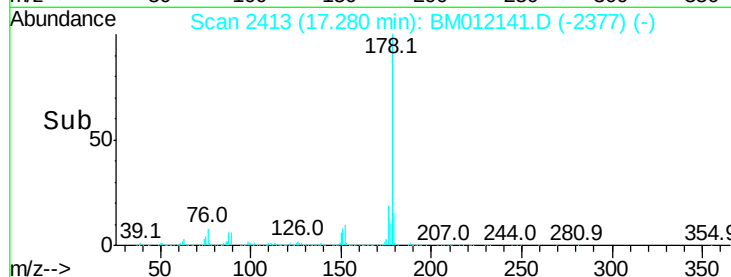
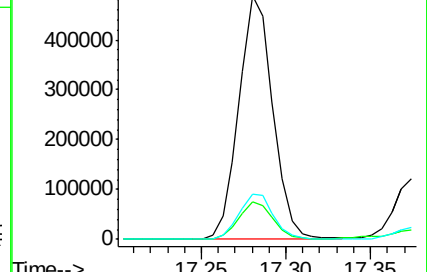
176 18.8 14.9 22.3



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: 2.337 ng/ul

RT: 17.37 min Scan# 2429

Delta R.T. 0.02 min

Lab File: BM012141.D

Acq: 13 Oct 2017 17:45

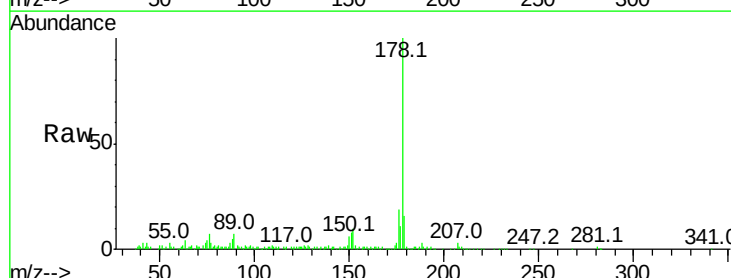
Tgt Ion:178 Resp: 172414

Ion	Ratio	Lower	Upper
178	100		
179	16.3	11.7	17.5
176	19.0	14.6	21.8

178 100

179 16.3 11.7 17.5

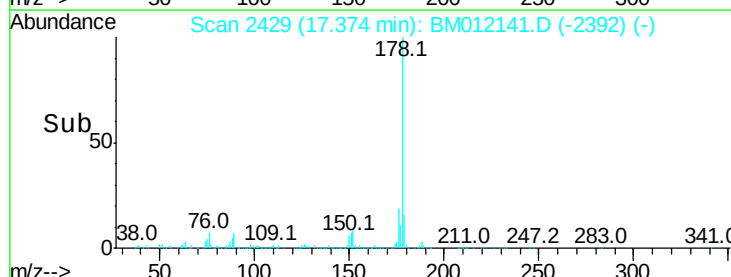
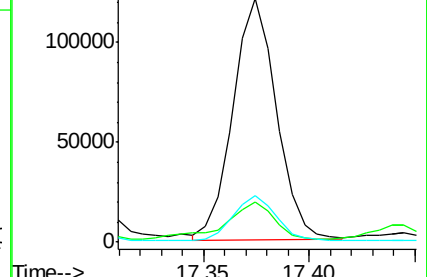
176 19.0 14.6 21.8

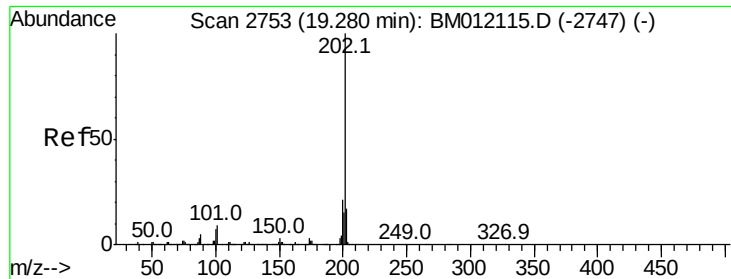


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

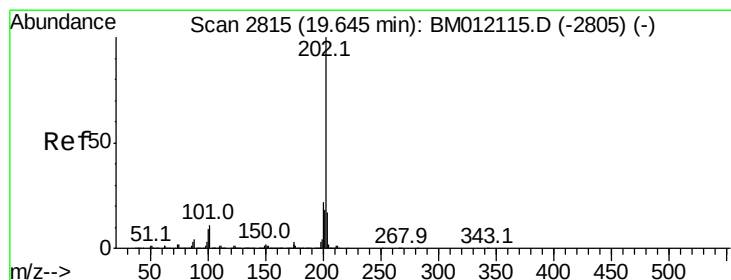
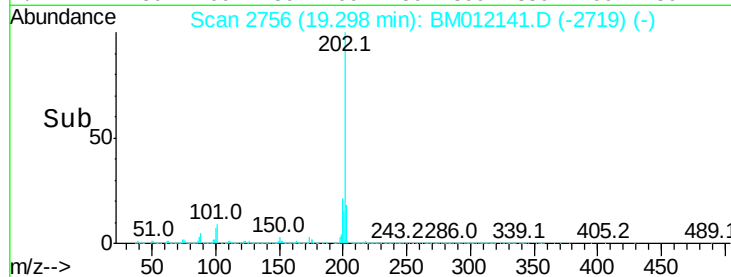
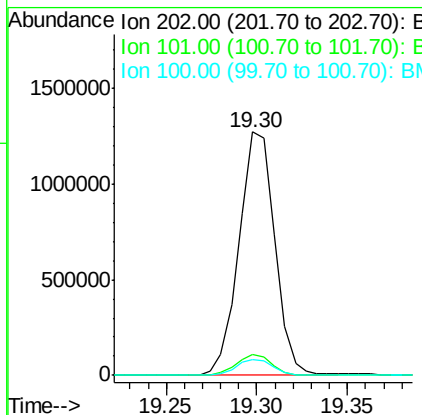
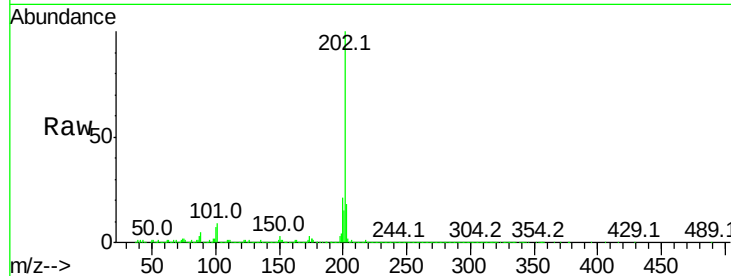




#74
 Fluoranthene
 Concen: 20.292 ng/ul
 RT: 19.30 min Scan# 2756
 Delta R.T. 0.02 min
 Lab File: BM012141.D
 Acq: 13 Oct 2017 17:45

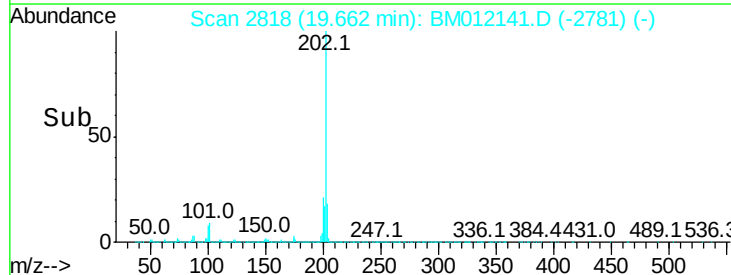
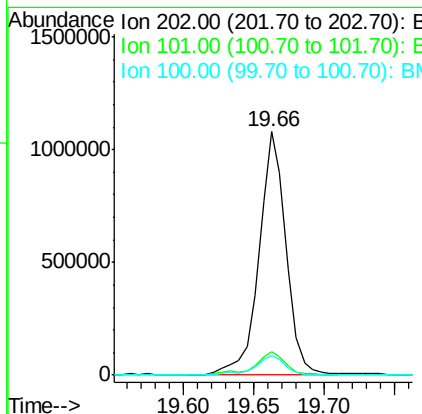
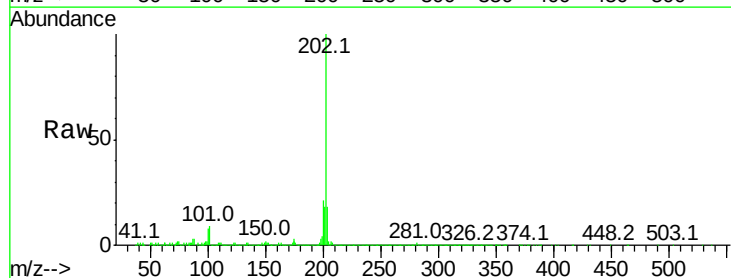
Instrument :
 BNA_M
 ClientSampleId :

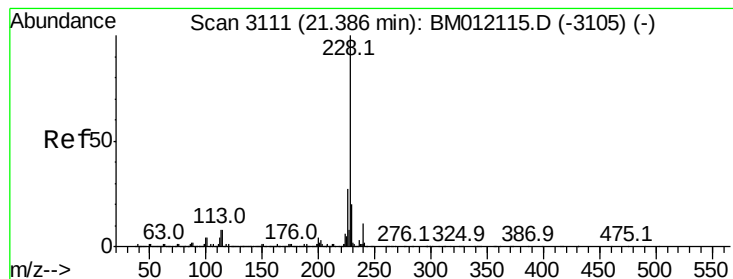
Tot Ion:202 Resp: 1745045
 Ion Ratio Lower Upper
 202 100
 101 8.7 4.6 7.0#
 100 6.6 3.4 5.2#



#77
 Pyrene
 Concen: 20.204 ng/ul
 RT: 19.66 min Scan# 2818
 Delta R.T. 0.02 min
 Lab File: BM012141.D
 Acq: 13 Oct 2017 17:45

Tgt Ion:202 Resp: 1448349
 Ion Ratio Lower Upper
 202 100
 101 9.4 5.1 7.7#
 100 8.2 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 13.837 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.02 min

Lab File: BM012141.D

Acq: 13 Oct 2017 17:45

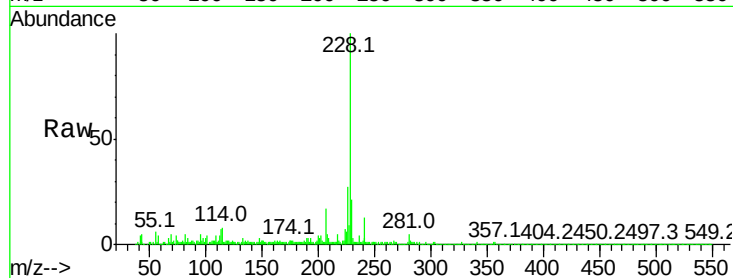
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 977340

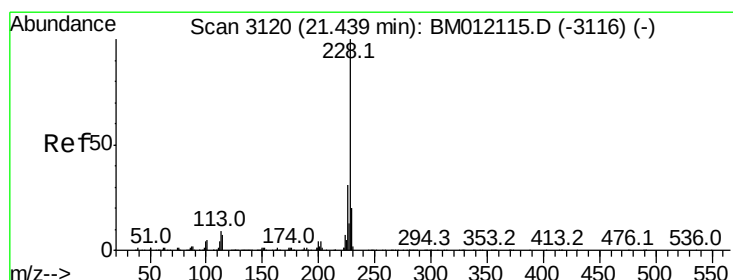
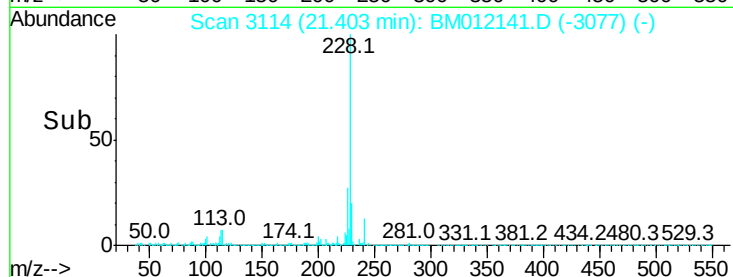
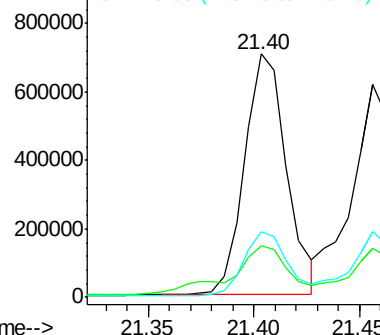
Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.4	23.0
226	27.2	21.4	32.0



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: 13.311 ng/ul

RT: 21.46 min Scan# 3123

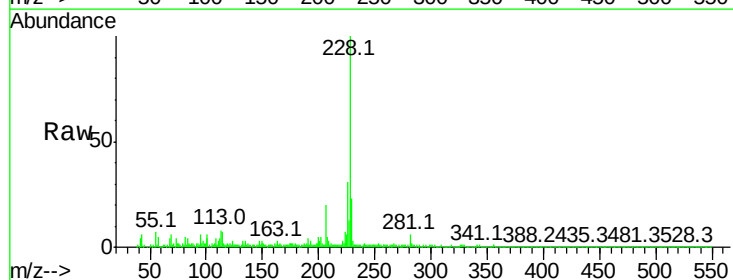
Delta R.T. 0.02 min

Lab File: BM012141.D

Acq: 13 Oct 2017 17:45

Tgt Ion:228 Resp: 882720

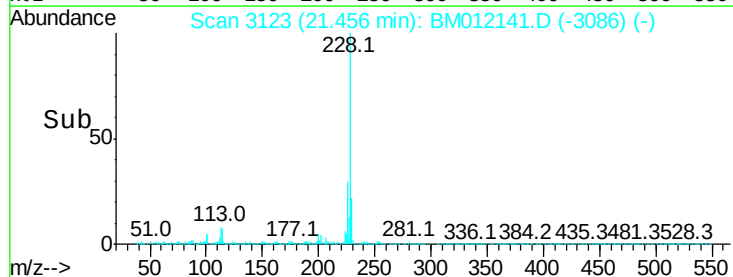
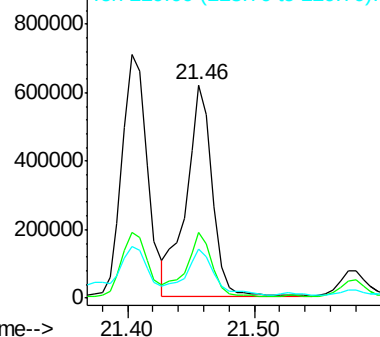
Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.2
229	23.1	15.5	23.3

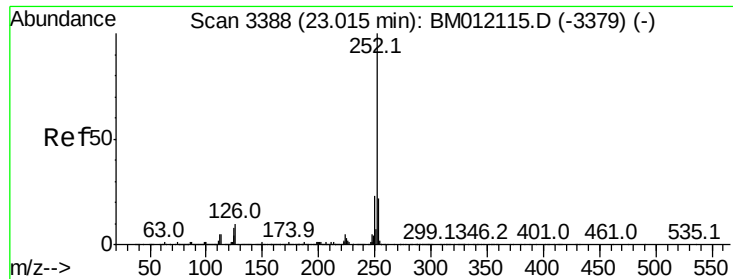


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 18.596 ng/ul

RT: 23.04 min Scan# 3393

Delta R.T. 0.03 min

Lab File: BM012141.D

Acq: 13 Oct 2017 17:45

Instrument :

BNA_M

ClientSampleId :

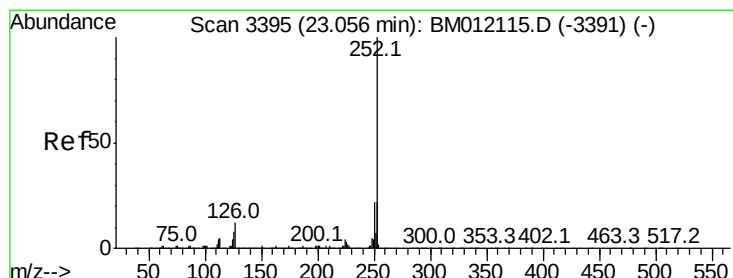
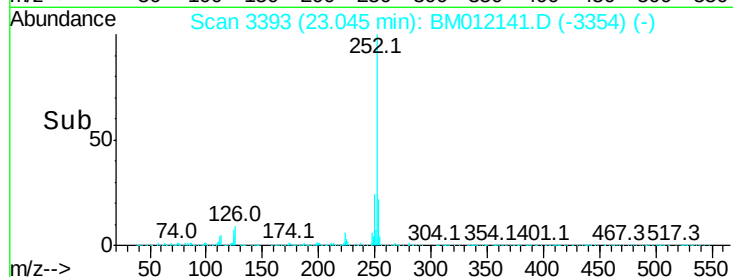
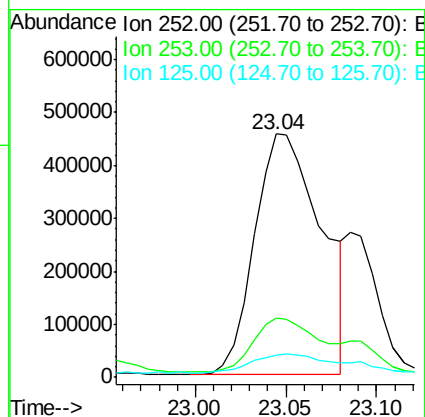
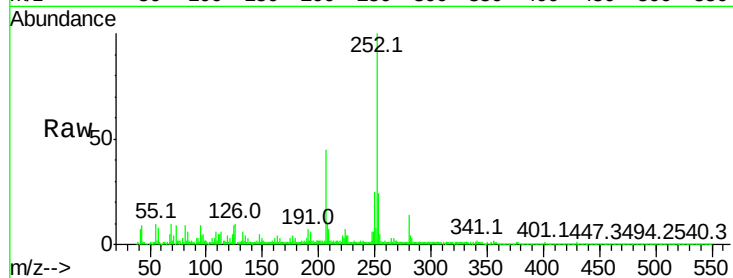
Tot Ion:252 Resp: 1162084

Ion Ratio Lower Upper

252 100

253 24.3 17.9 26.9

125 9.3 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 19.296 ng/ul

RT: 23.04 min Scan# 3393

Delta R.T. -0.01 min

Lab File: BM012141.D

Acq: 13 Oct 2017 17:45

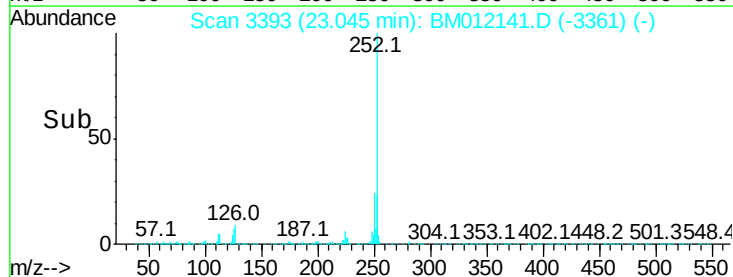
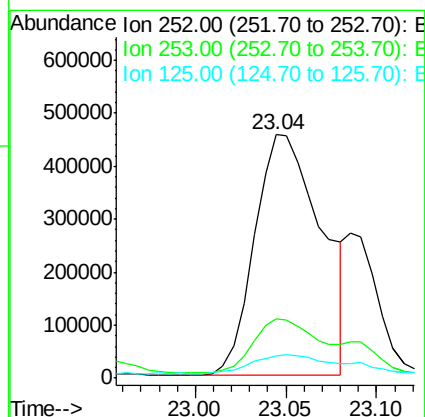
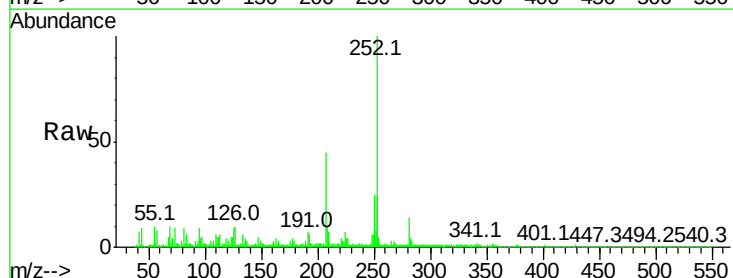
Tgt Ion:252 Resp: 1162084

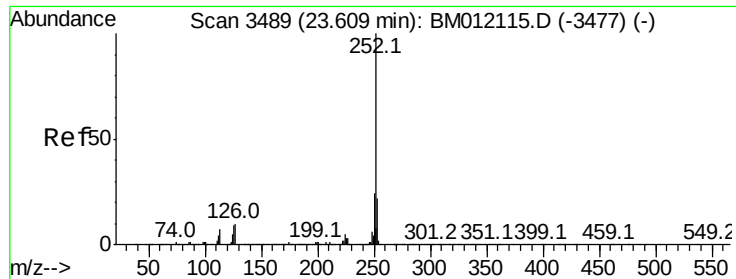
Ion Ratio Lower Upper

252 100

253 24.3 17.1 25.7

125 9.3 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 12.485 ng/ul

RT: 23.65 min Scan# 3496

Delta R.T. 0.04 min

Lab File: BM012141.D

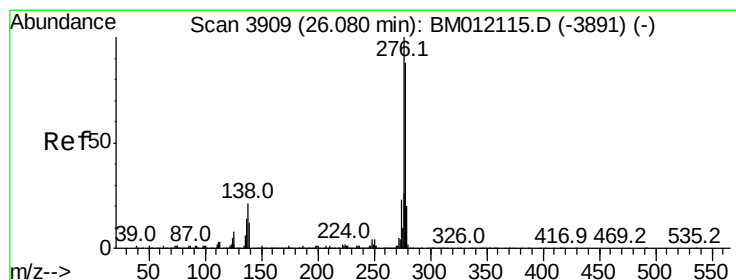
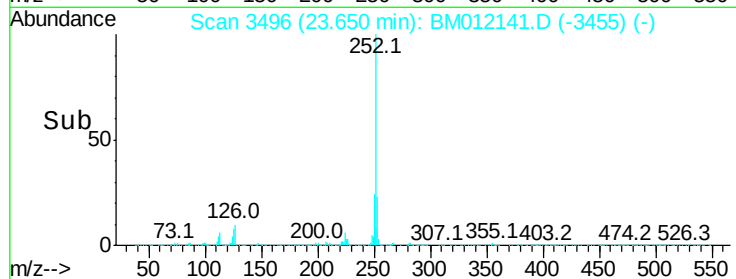
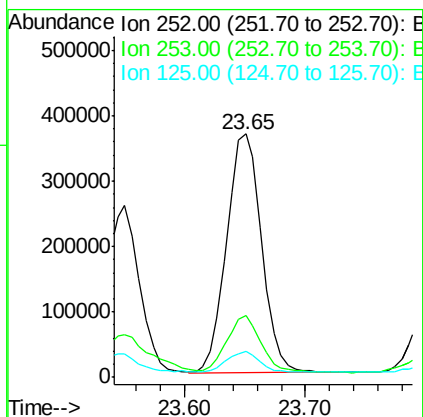
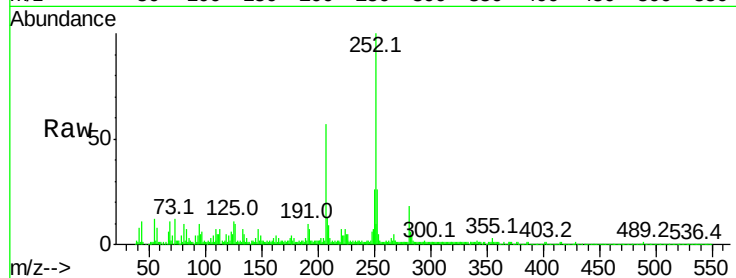
Acq: 13 Oct 2017 17:45

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	252	Resp:	735352
Ion Ratio	Lower	Upper	
252	100		
253	25.6	18.2	27.2
125	10.5	4.0	6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 6.998 ng/ul

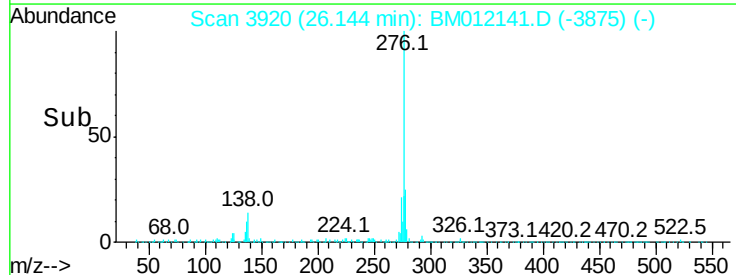
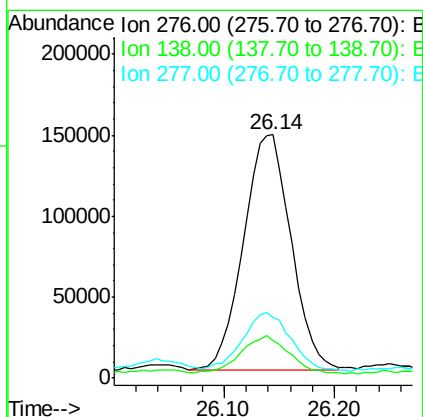
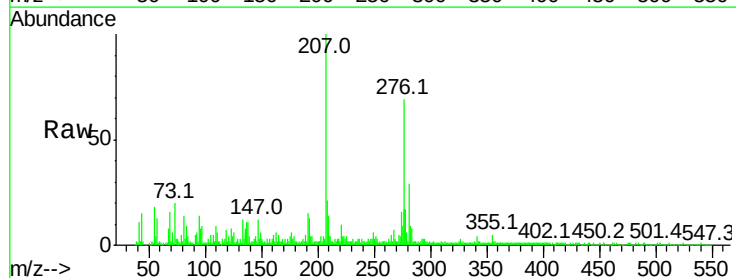
RT: 26.14 min Scan# 3920

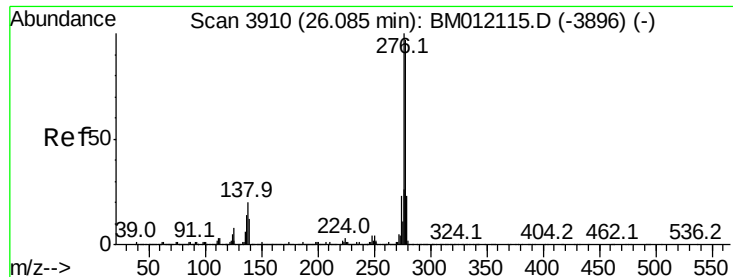
Delta R.T. 0.06 min

Lab File: BM012141.D

Acq: 13 Oct 2017 17:45

Tgt Ion:	276	Resp:	437716
Ion Ratio	Lower	Upper	
276	100		
138	15.6	9.3	13.9#
277	24.9	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 2.391 ng/ul

RT: 26.13 min Scan# 3918

Delta R.T. 0.05 min

Lab File: BM012141.D

Acq: 13 Oct 2017 17:45

Instrument :

BNA_M

ClientSampleId :

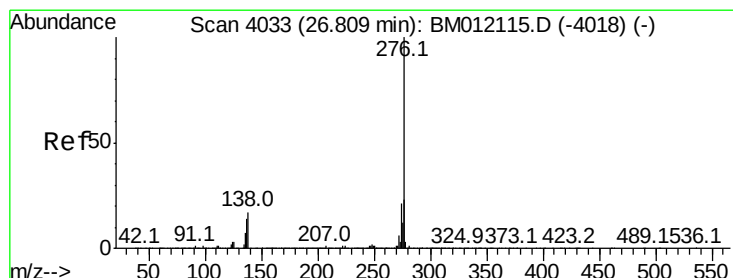
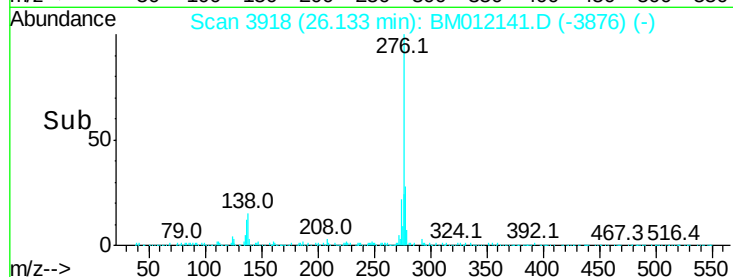
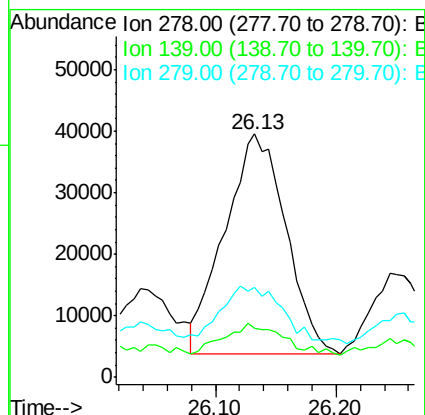
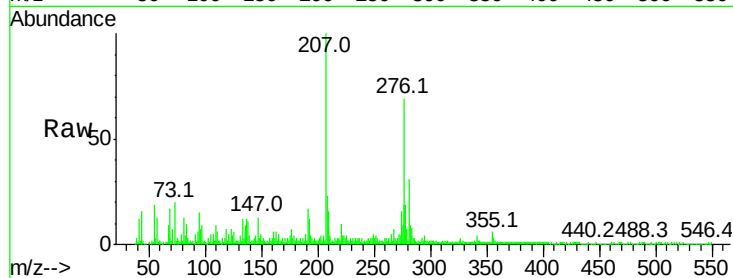
Tot Ion:278 Resp: 125697

Ion Ratio Lower Upper

278 100

139 20.1 5.8 8.8#

279 36.7 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 7.507 ng/ul

RT: 26.88 min Scan# 4045

Delta R.T. 0.07 min

Lab File: BM012141.D

Acq: 13 Oct 2017 17:45

Tgt Ion:276 Resp: 384584

Ion Ratio Lower Upper

276 100

138 18.3 8.5 12.7#

277 25.7 18.6 28.0

