

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030618\
 Data File : BM014493.D
 Acq On : 06 Mar 2018 10:18
 Operator : SJ/JU
 Sample : J1678-08DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 06 13:04:17 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 06 12:22:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	87018	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	329491	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	181448	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.93	188	392209	20.00	ng/ul	-0.01
75) Chrysene-d12	21.15	240	366169	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	341331	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	2107	1.04	ng/uL	0.00
5) Phenol-d5	6.75	99	34744	4.72	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.87	67	22426	5.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	30156	5.35	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	15543	2.42	ng/ul	0.02
19) Nitrobenzene-d5	8.69	128	12509	5.14	ng/ul	0.01
22) 2-Nitrophenol-d4	9.40	143	13179	5.23	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.05	165	1734	0.33	ng/ul	0.11
29) 4-Chloroaniline-d4	10.55	131	3061	0.60	ng/ul	0.09
43) Dimethylphthalate-d6	13.67	166	1279	0.09	ng/ul	0.07
46) Acenaphthylene-d8	13.86	160	117466	6.36	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	1344	0.65	ng/ul	0.05
57) Fluorene-d10	15.18	176	77315	5.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	4370	1.86	ng/ul	0.02
70) Anthracene-d10	17.04	188	119559	6.32	ng/ul	0.00
76) Pyrene-d10	19.34	212	132987	7.04	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	112306	6.76	ng/ul	-0.01

Target Compounds

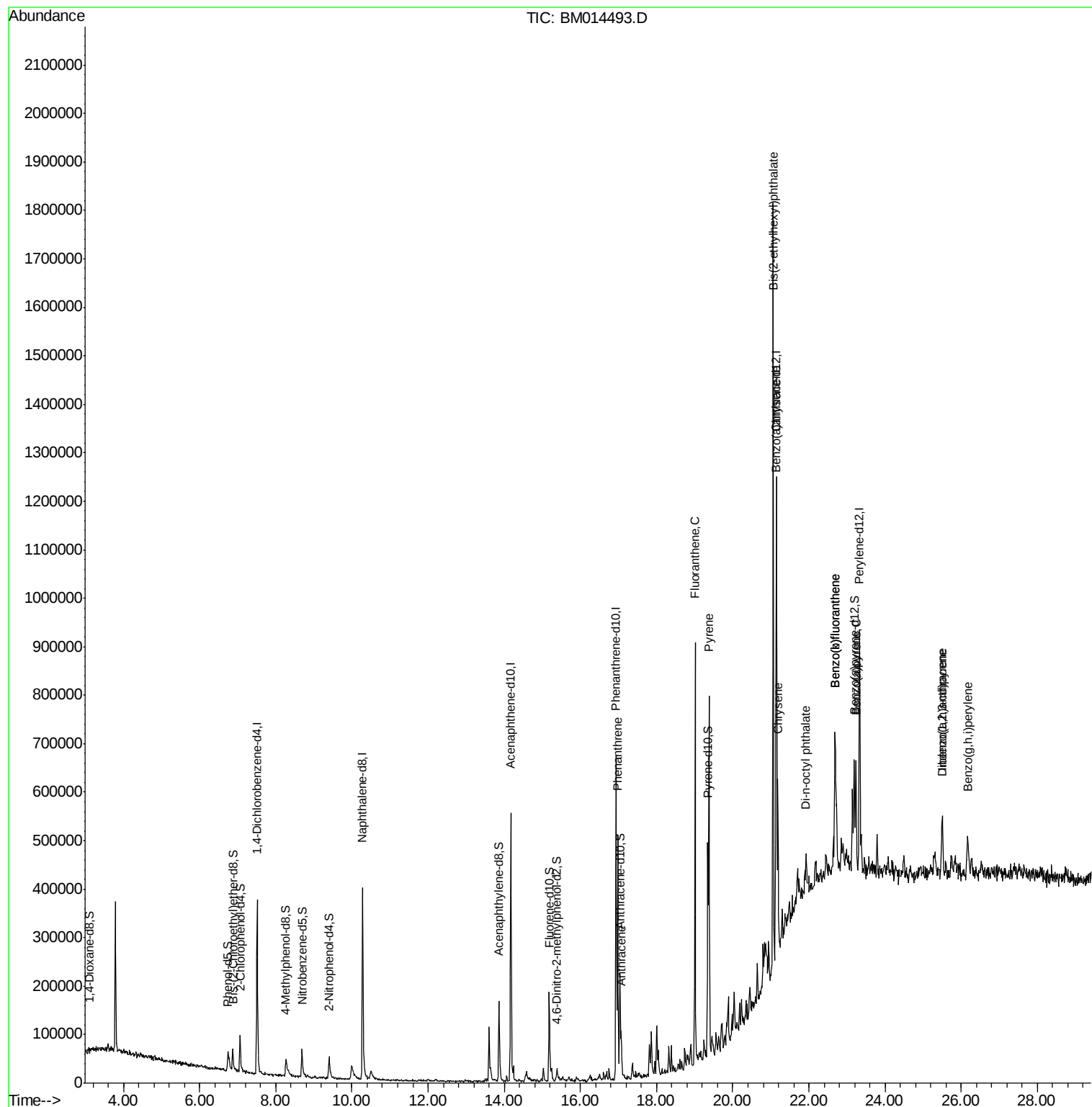
					Ovalue	
69) Phenanthrene	16.98	178	280068	12.394	ng/ul	96
71) Anthracene	17.07	178	50642	2.228	ng/ul	98
74) Fluoranthene	19.01	202	482957	17.889	ng/ul	97
77) Pyrene	19.37	202	421651	17.327	ng/ul#	96
80) Benzo(a)anthracene	21.14	228	204826	8.963	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.06	149	491537	34.110	ng/ul#	95
82) Chrysene	21.19	228	184413	8.650	ng/ul	97
84) Di-n-octyl phthalate	21.93	149	47652	1.627	ng/ul#	57
85) Benzo(b)fluoranthene	22.69	252	234677	10.268	ng/ul#	99
86) Benzo(k)fluoranthene	22.69	252	234677	10.800	ng/ul#	98
88) Benzo(a)pyrene	23.23	252	160719	7.869	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	25.50	276	103280	5.211	ng/ul#	94
90) Dibenzo(a,h)anthracene	25.49	278	22054	1.339	ng/ul#	87
91) Benzo(g,h,i)perylene	26.17	276	78746	4.905	ng/ul#	97

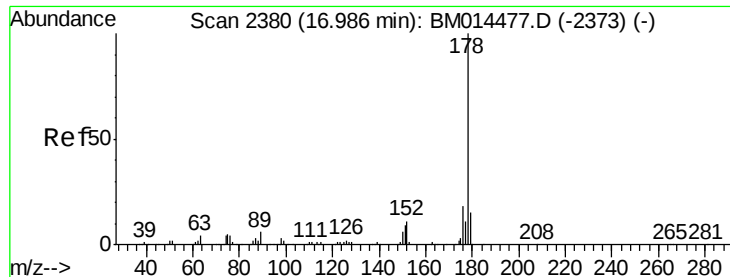
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 06 12:22:39 2018
Response via : Initial Calibration





#69

Phenanthrene

Concen: 12.394 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BM014493.D

Acq: 06 Mar 2018 10:18

Instrument :

BNA_M

ClientSampleId :

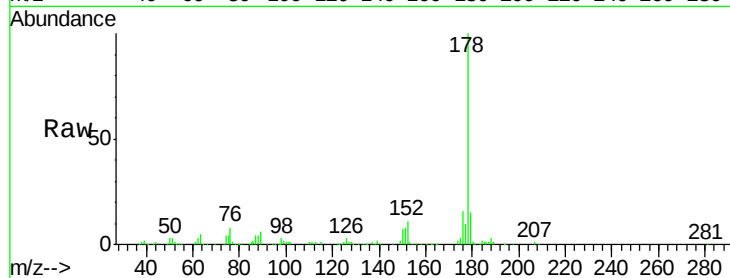
Tot Ion:178 Resp: 280068

Ion Ratio Lower Upper

178 100

179 14.9 12.6 19.0

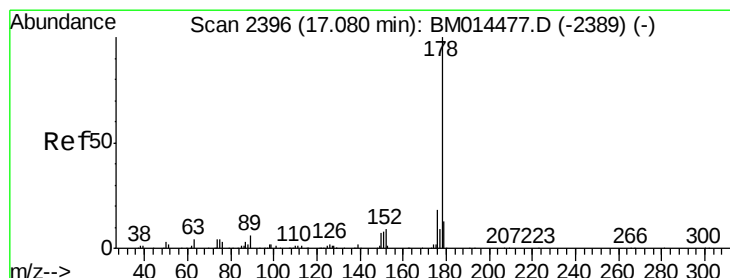
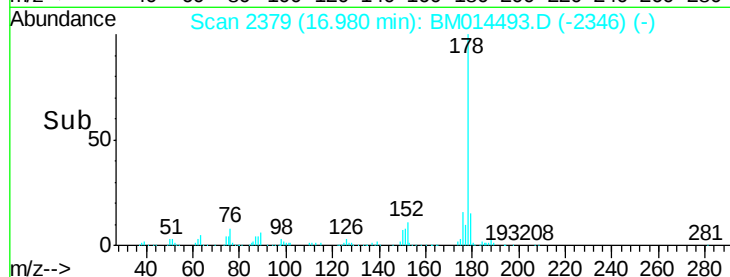
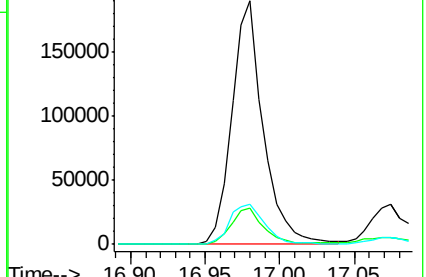
176 16.5 14.9 22.3



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: 2.228 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BM014493.D

Acq: 06 Mar 2018 10:18

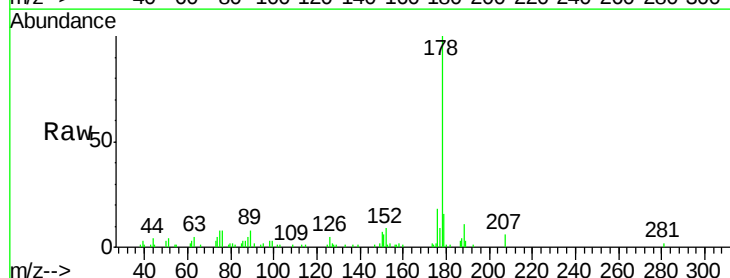
Tgt Ion:178 Resp: 50642

Ion Ratio Lower Upper

178 100

179 16.1 11.7 17.5

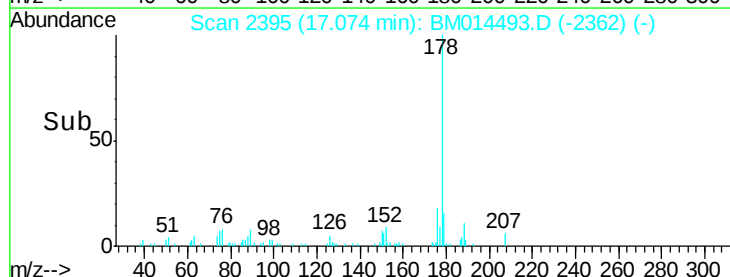
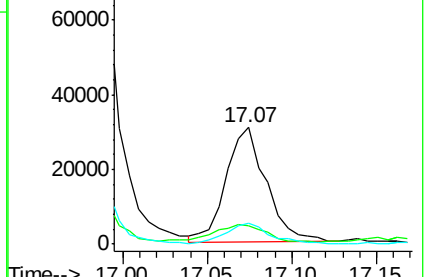
176 18.3 14.6 21.8

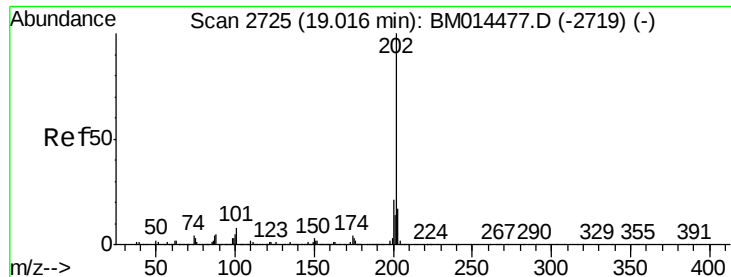


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

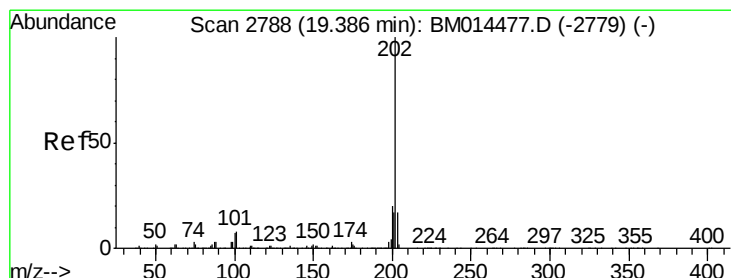
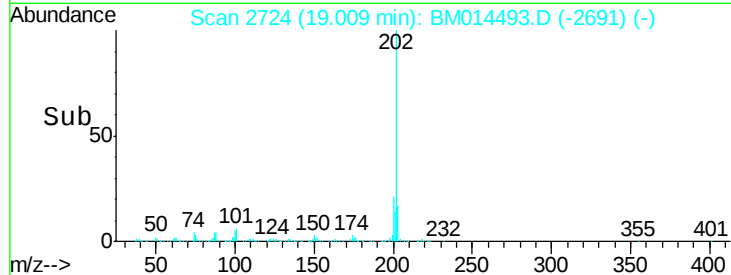
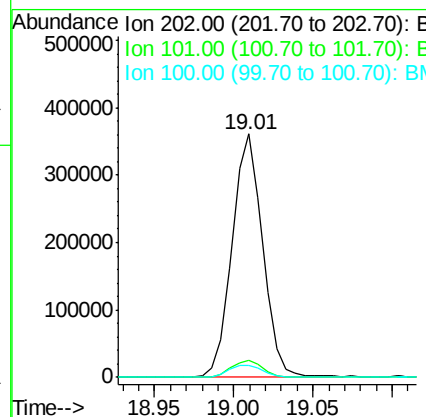
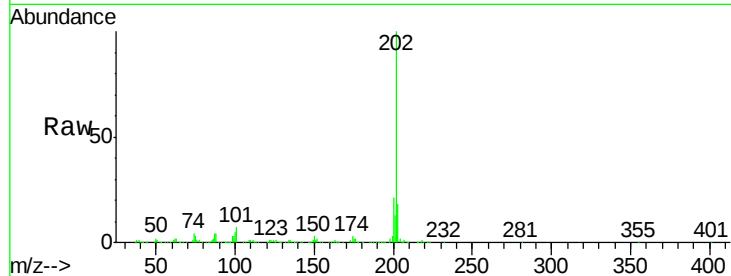




#74
 Fluoranthene
 Concen: 17.889 ng/ul
 RT: 19.01 min Scan# 2724
 Delta R.T. -0.01 min
 Lab File: BM014493.D
 Acq: 06 Mar 2018 10:18

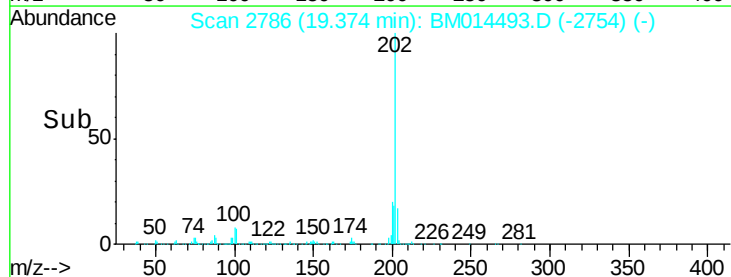
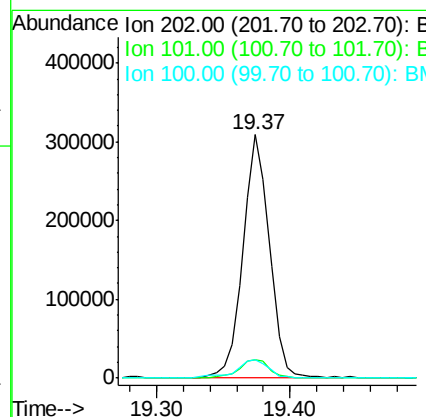
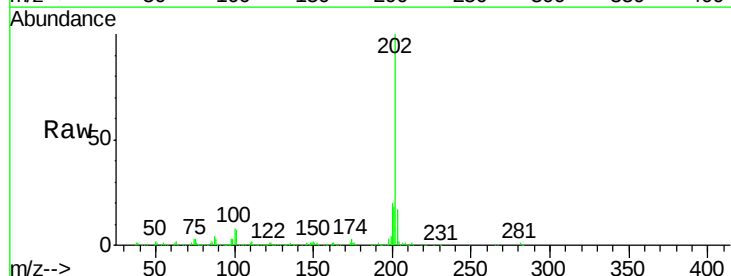
Instrument :
 BNA_M
 ClientSampleId :

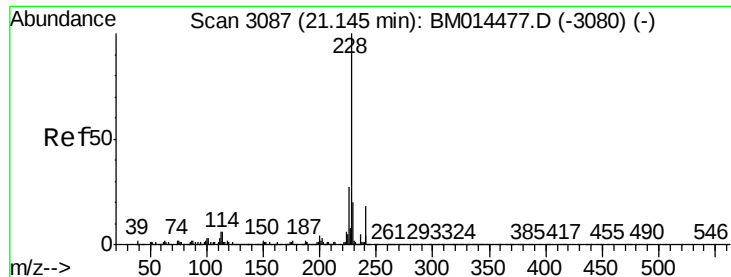
Tot Ion	Ratio	Resp	Lower	Upper
202	100	482957		
101	6.8		4.6	7.0
100	5.1		3.4	5.2



#77
 Pyrene
 Concen: 17.327 ng/ul
 RT: 19.37 min Scan# 2786
 Delta R.T. -0.01 min
 Lab File: BM014493.D
 Acq: 06 Mar 2018 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	421651		
101	7.4		5.1	7.7
100	7.6		4.9	7.3#





#80

Benzo(a)anthracene

Concen: 8.963 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BM014493.D

Acq: 06 Mar 2018 10:18

Instrument :

BNA_M

ClientSampleId :

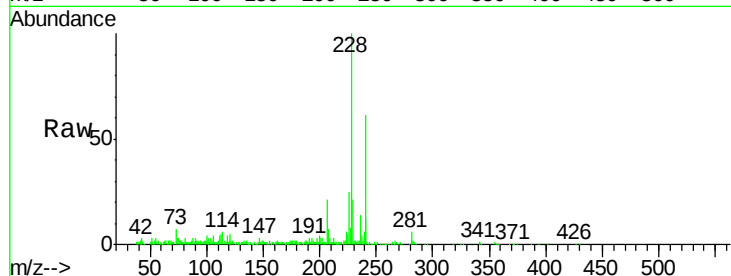
Tot Ion:228 Resp: 204826

Ion Ratio Lower Upper

228 100

229 20.6 15.4 23.0

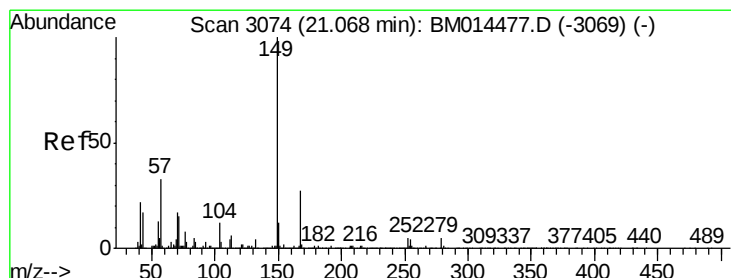
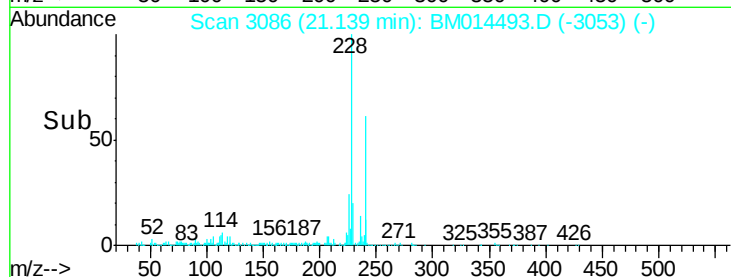
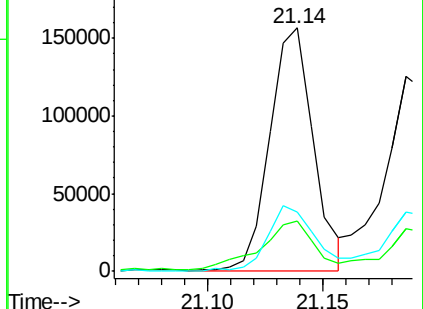
226 24.6 21.4 32.0



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: 34.110 ng/ul

RT: 21.06 min Scan# 3073

Delta R.T. -0.01 min

Lab File: BM014493.D

Acq: 06 Mar 2018 10:18

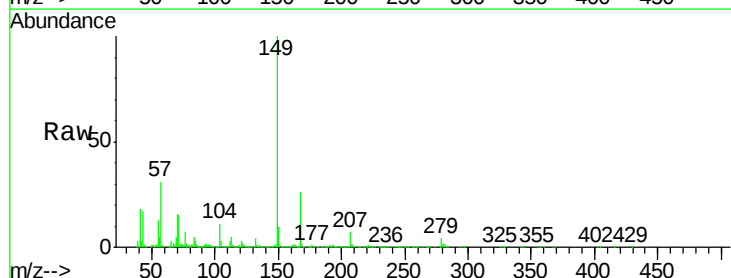
Tgt Ion:149 Resp: 491537

Ion Ratio Lower Upper

149 100

167 25.7 22.8 34.2

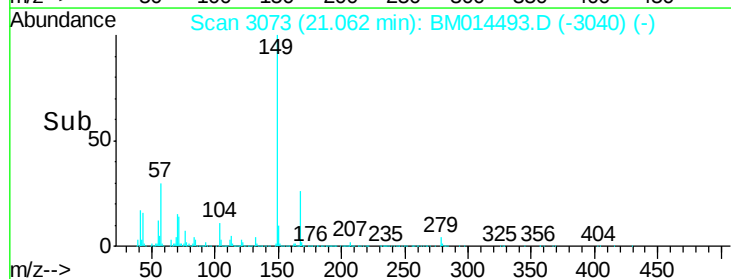
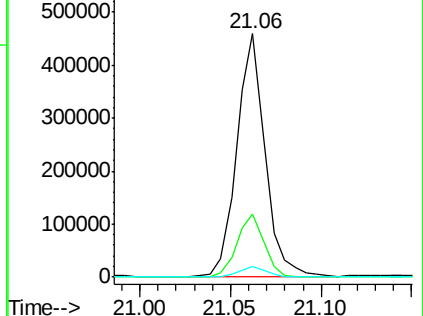
279 4.3 4.9 7.3#

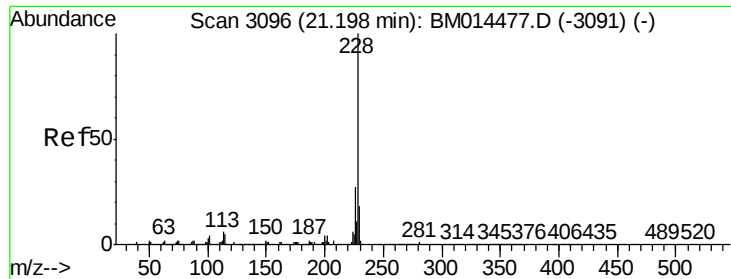


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 8.650 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BM014493.D

Acq: 06 Mar 2018 10:18

Instrument :

BNA_M

ClientSampleId :

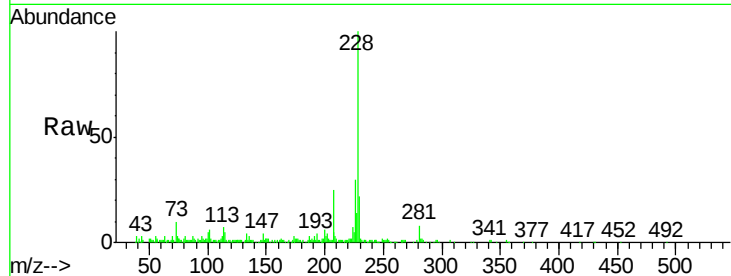
Tot Ion:228 Resp: 184413

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.2

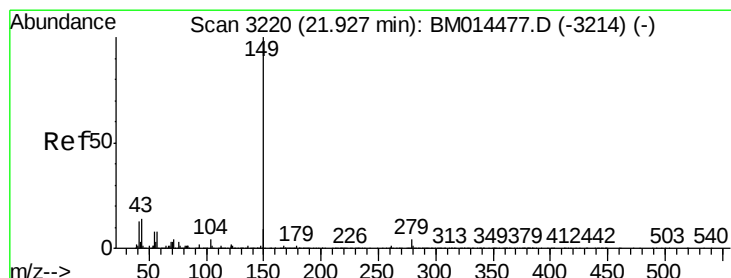
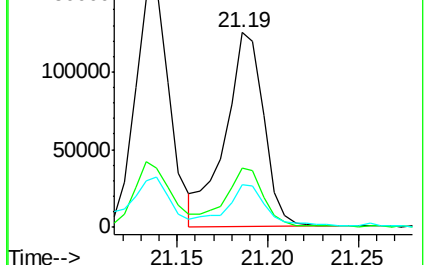
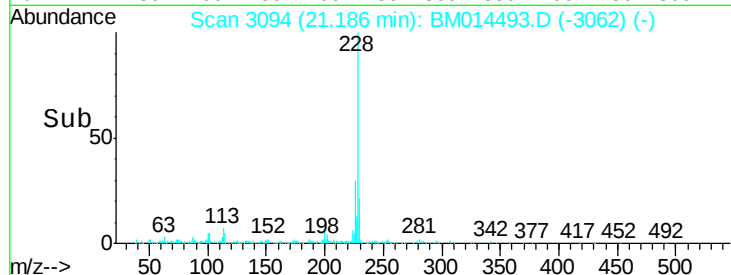
229 21.6 15.5 23.3



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



#84

Di-n-octyl phthalate

Concen: 1.627 ng/ul

RT: 21.93 min Scan# 3220

Delta R.T. -0.00 min

Lab File: BM014493.D

Acq: 06 Mar 2018 10:18

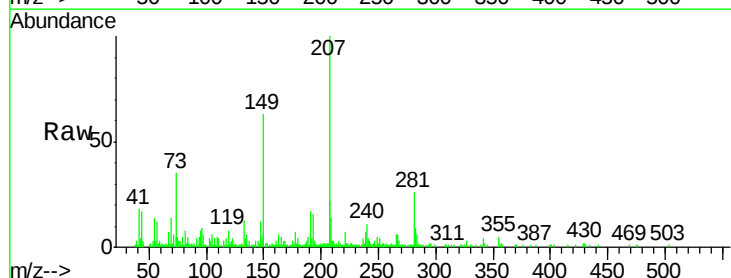
Tgt Ion:149 Resp: 47652

Ion Ratio Lower Upper

149 100

167 4.2 1.3 1.9#

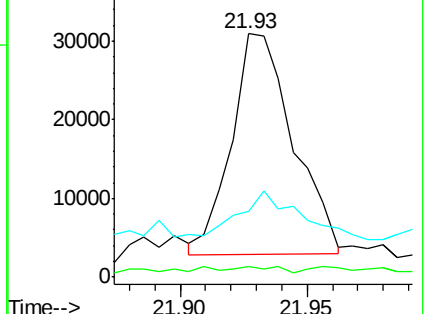
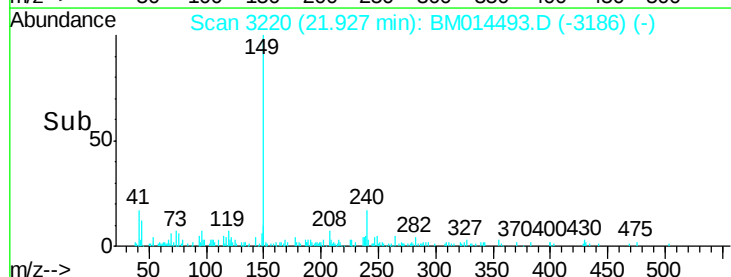
43 26.9 7.3 10.9#

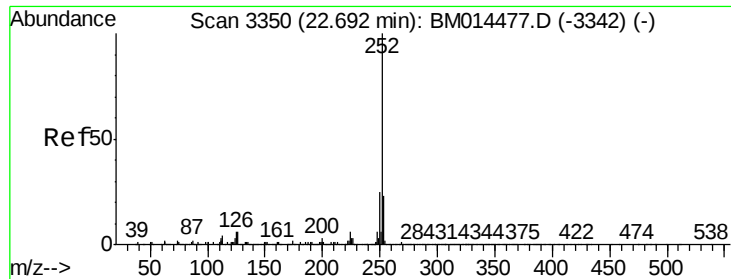


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM





#85

Benzo(b)fluoranthene

Concen: 10.268 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. -0.01 min

Lab File: BM014493.D

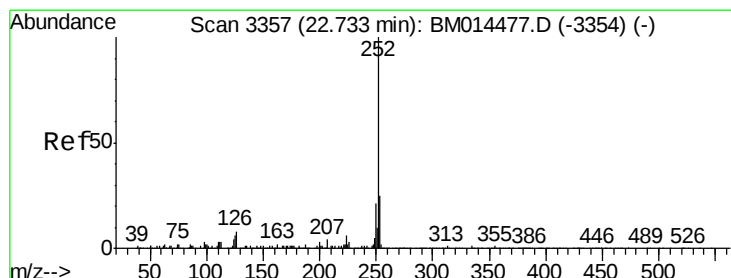
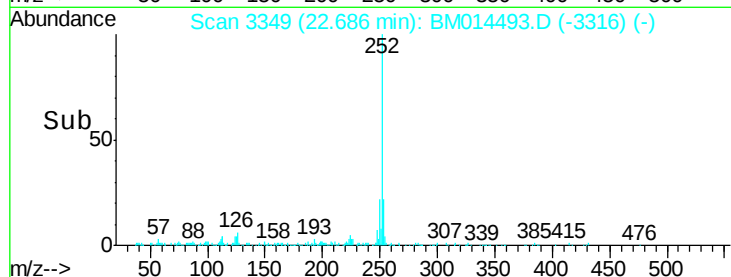
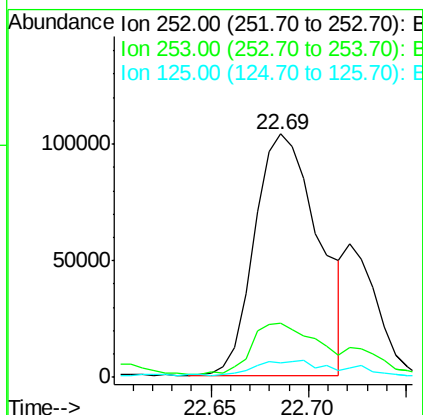
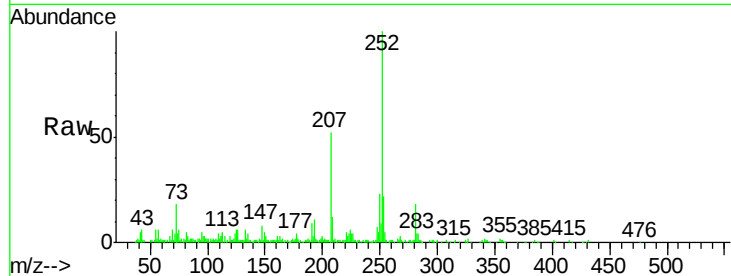
Acq: 06 Mar 2018 10:18

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	234677
Ion Ratio	Lower	Upper
252	100	
253	22.4	17.9 26.9
125	5.7	3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 10.800 ng/ul

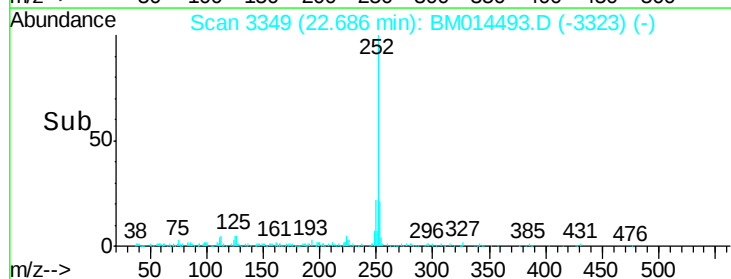
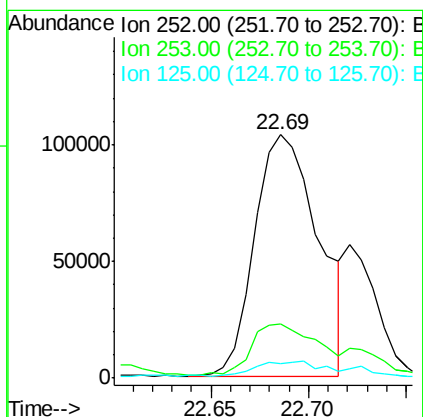
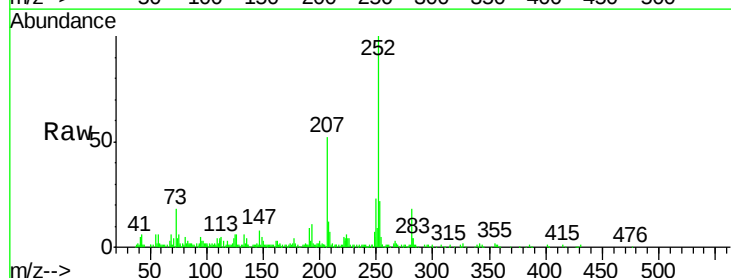
RT: 22.69 min Scan# 3349

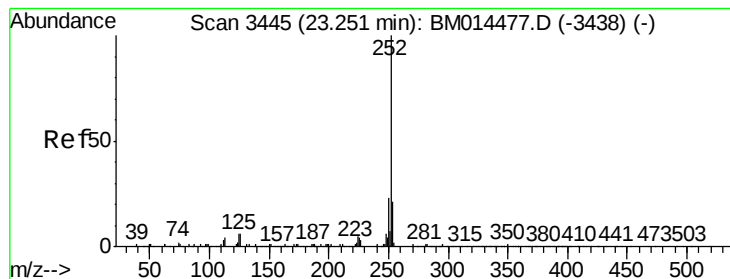
Delta R.T. -0.05 min

Lab File: BM014493.D

Acq: 06 Mar 2018 10:18

Tgt Ion:252	Resp:	234677
Ion Ratio	Lower	Upper
252	100	
253	22.4	17.1 25.7
125	5.7	3.4 5.2#





#88

Benzo(a)pyrene

Concen: 7.869 ng/ul

RT: 23.23 min Scan# 3442

Delta R.T. -0.02 min

Lab File: BM014493.D

Acq: 06 Mar 2018 10:18

Instrument :

BNA_M

ClientSampleId :

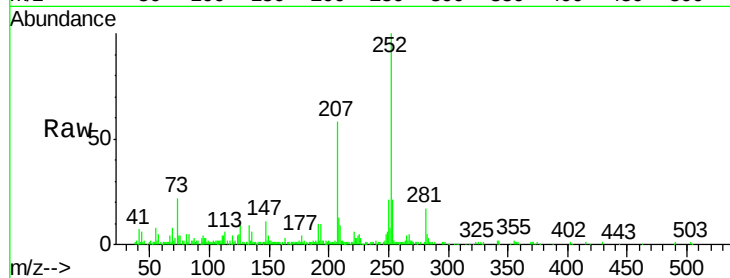
Tot Ion:252 Resp: 160719

Ion Ratio Lower Upper

252 100

253 20.8 18.2 27.2

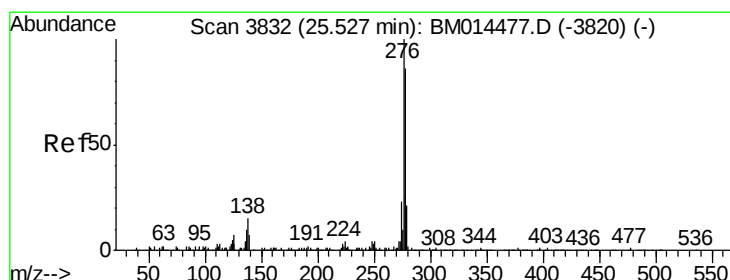
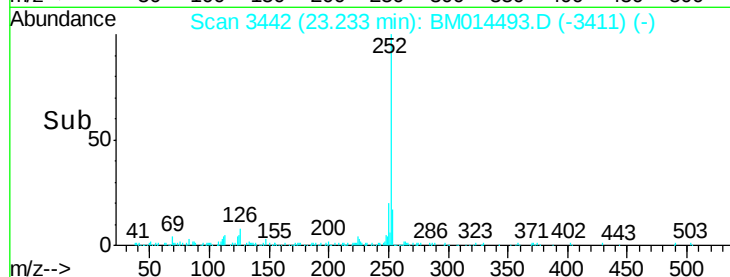
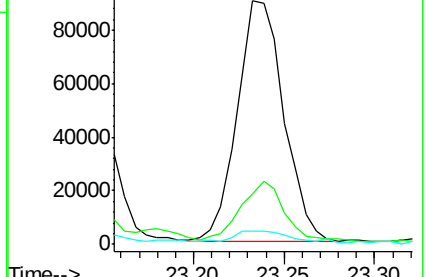
125 5.5 4.0 6.0



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: 5.211 ng/ul

RT: 25.50 min Scan# 3828

Delta R.T. -0.02 min

Lab File: BM014493.D

Acq: 06 Mar 2018 10:18

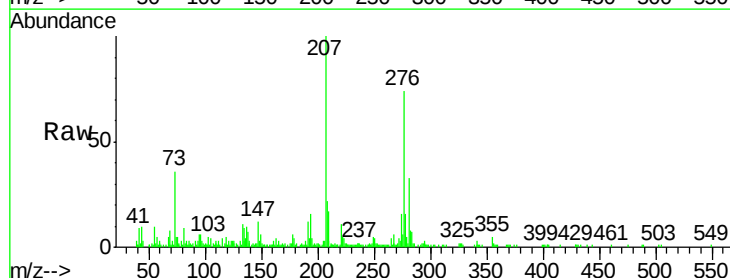
Tgt Ion:276 Resp: 103280

Ion Ratio Lower Upper

276 100

138 9.0 9.3 13.9#

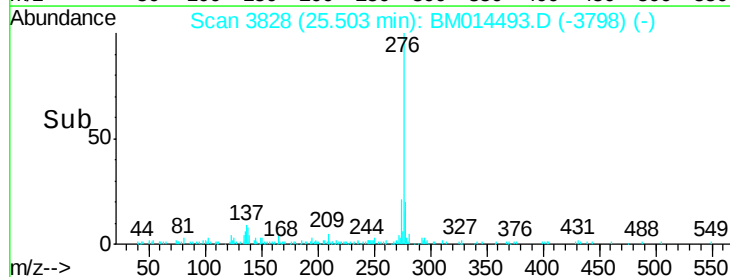
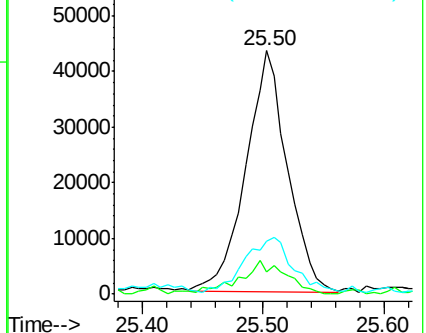
277 21.8 19.9 29.9

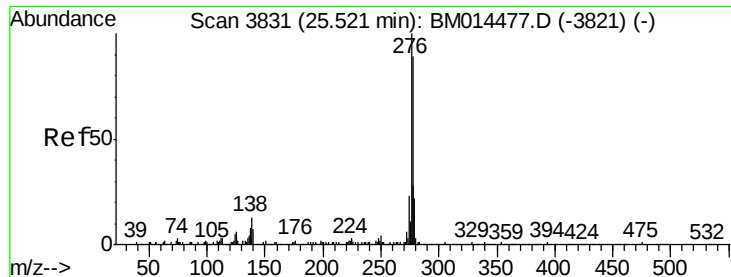


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.339 ng/ul

RT: 25.49 min Scan# 3826

Delta R.T. -0.03 min

Lab File: BM014493.D

Acq: 06 Mar 2018 10:18

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ClientSampleId :

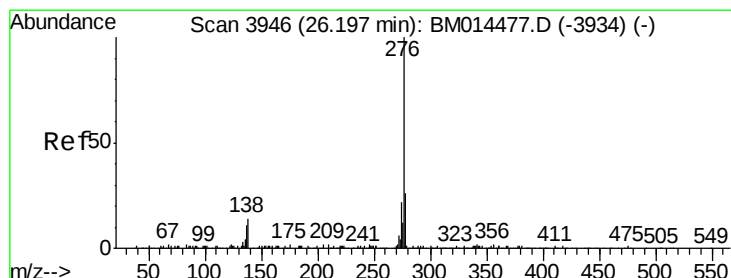
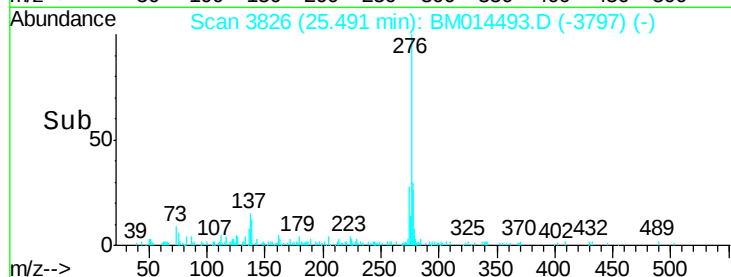
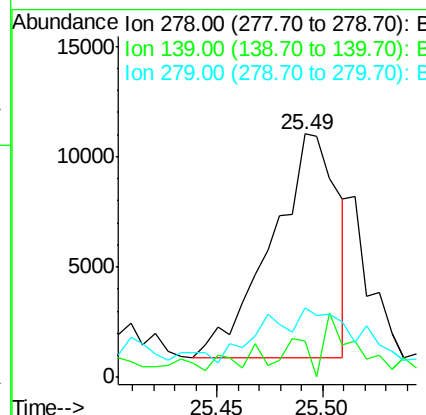
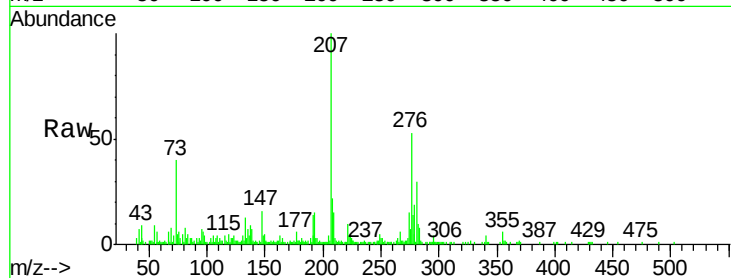
Tot Ion:278 Resp: 22054

Ion Ratio Lower Upper

278 100

139 14.8 5.8 8.8#

279 28.4 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 4.905 ng/ul

RT: 26.17 min Scan# 3942

Delta R.T. -0.02 min

Lab File: BM014493.D

Acq: 06 Mar 2018 10:18

Tgt Ion:276 Resp: 78746

Ion Ratio Lower Upper

276 100

138 12.8 8.5 12.7#

277 22.5 18.6 28.0

