

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014487.D
 Acq On : 05 Mar 2018 23:47
 Operator : SJ/JU
 Sample : J1678-21DL 25X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 06 03:32:43 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:57:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	84482	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	319877	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	171510	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	372309	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	347895	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	331653	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	308	0.16	ng/uL	-0.04
5) Phenol-d5	6.79	99	2858	0.40	ng/ul	0.06
7) Bis-(2-Chloroethyl)ether-d	6.87	67	3667	0.85	ng/ul	0.01
9) 2-Chlorophenol-d4	7.07	132	5634	1.03	ng/ul	0.02
13) 4-Methylphenol-d8	8.30	113	796	0.13	ng/ul	0.05
19) Nitrobenzene-d5	8.70	128	1021	0.43	ng/ul	0.02
22) 2-Nitrophenol-d4	9.39	143	604	0.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	371	0.07	ng/ul	0.06
29) 4-Chloroaniline-d4	10.50	131	170	0.03	ng/ul	0.05
43) Dimethylphthalate-d6	13.60	166	18836	1.33	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	23020	1.32	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.19	176	17349	1.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.04	188	26985	1.50	ng/ul	0.00
76) Pyrene-d10	19.35	212	28371	1.58	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	25924	1.61	ng/ul	-0.01

Target Compounds

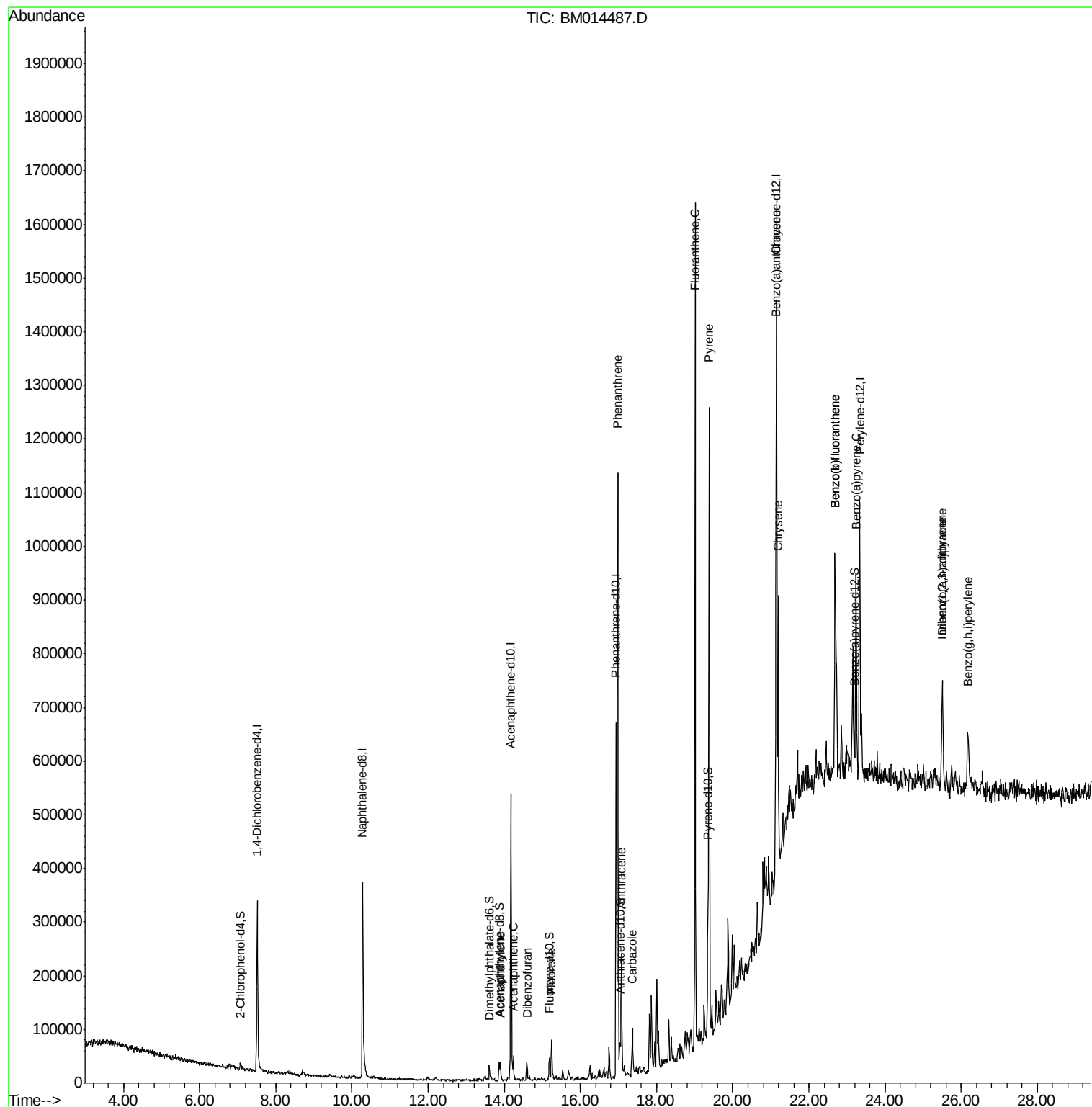
					Ovalue	
47) Acenaphthylene	13.90	152	20792	1.260	ng/ul#	84
49) Acenaphthene	14.24	153	15625	1.344	ng/ul	95
53) Dibenzofuran	14.59	168	20694	1.187	ng/ul	90
58) Fluorene	15.24	166	32792	2.179	ng/ul#	79
69) Phenanthrene	16.98	178	615766	28.706	ng/ul	99
71) Anthracene	17.07	178	136513	6.328	ng/ul	99
72) Carbazole	17.36	167	51561	2.842	ng/ul	99
74) Fluoranthene	19.01	202	864557	33.735	ng/ul#	94
77) Pyrene	19.37	202	674341	29.167	ng/ul#	94
80) Benzo(a)anthracene	21.14	228	332277	15.304	ng/ul	98
82) Chrysene	21.19	228	259756	12.825	ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	331588	14.932	ng/ul#	98
86) Benzo(k)fluoranthene	22.69	252	331588	15.705	ng/ul#	97
88) Benzo(a)pyrene	23.24	252	247591	12.477	ng/ul#	99
89) Indeno(1,2,3-cd)pyrene	25.51	276	170510	8.855	ng/ul	96
90) Dibenzo(a,h)anthracene	25.51	278	47242	2.953	ng/ul#	91
91) Benzo(g,h,i)perylene	26.17	276	123749	7.933	ng/ul#	95

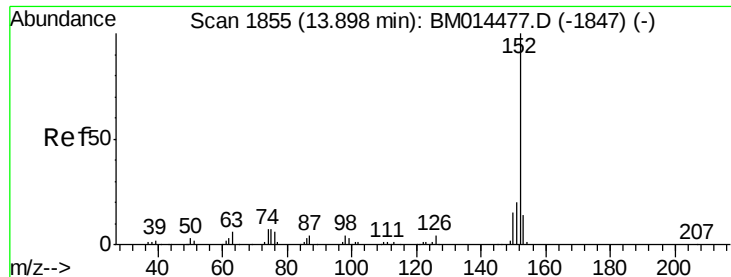
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 05 23:57:03 2018
Response via : Initial Calibration





#47

Acenaphthylene

Concen: 1.260 ng/ul

RT: 13.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BM014487.D

Acq: 05 Mar 2018 23:47

Instrument :

BNA_M

ClientSampleId :

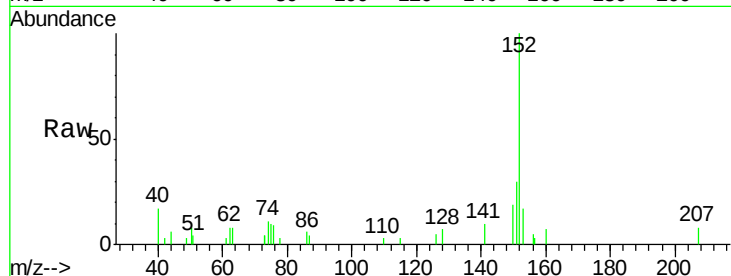
Tot Ion:152 Resp: 20792

Ion Ratio Lower Upper

152 100

151 29.8 16.3 24.5#

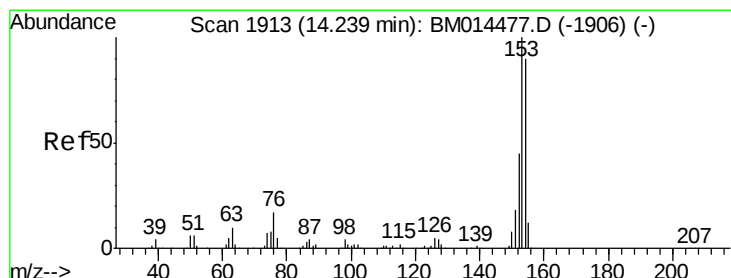
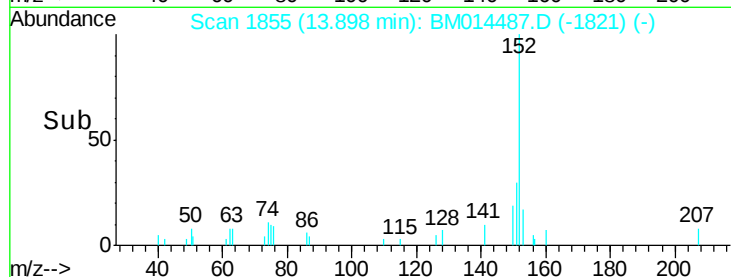
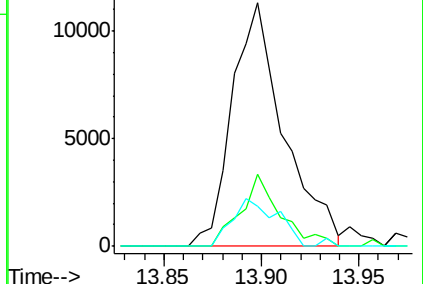
153 16.7 10.2 15.4#



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



#49

Acenaphthene

Concen: 1.344 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BM014487.D

Acq: 05 Mar 2018 23:47

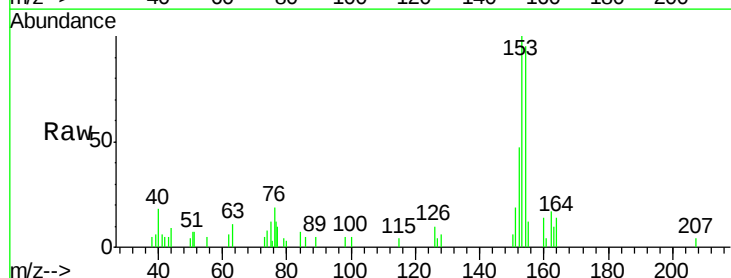
Tgt Ion:153 Resp: 15625

Ion Ratio Lower Upper

153 100

152 46.6 37.6 56.4

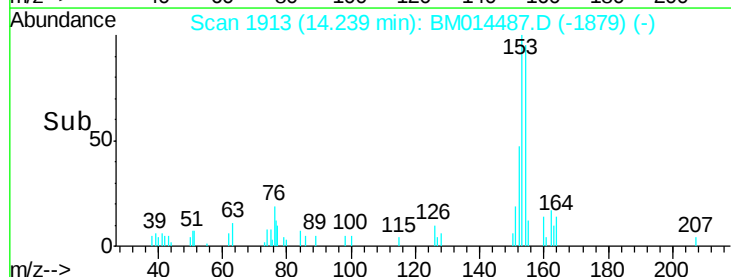
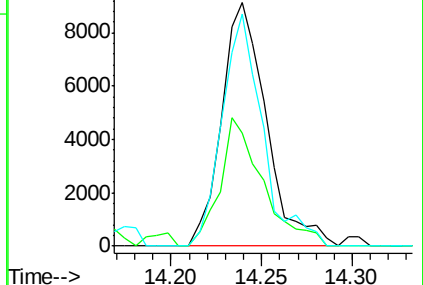
154 95.4 70.4 105.6

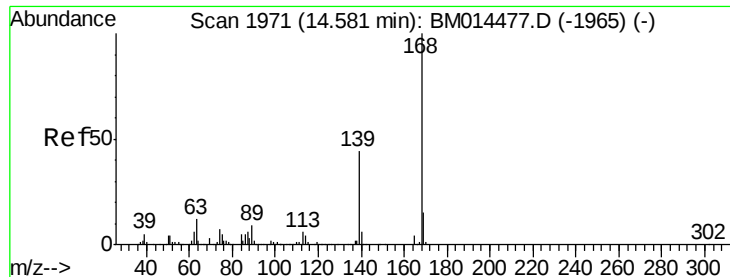


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

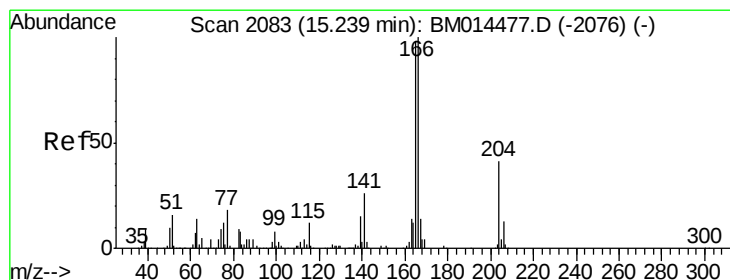
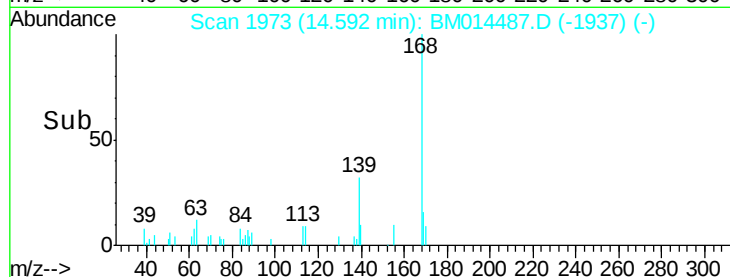
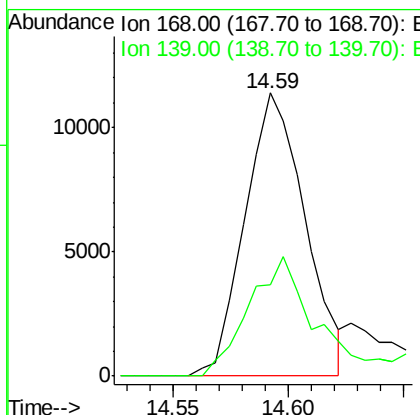
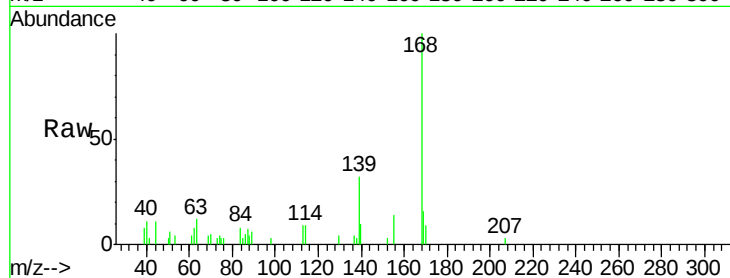




#53
Dibenzenofuran
Concen: 1.187 ng/ul
RT: 14.59 min Scan# 1973
Delta R.T. 0.01 min
Lab File: BM014487.D
Acq: 05 Mar 2018 23:47

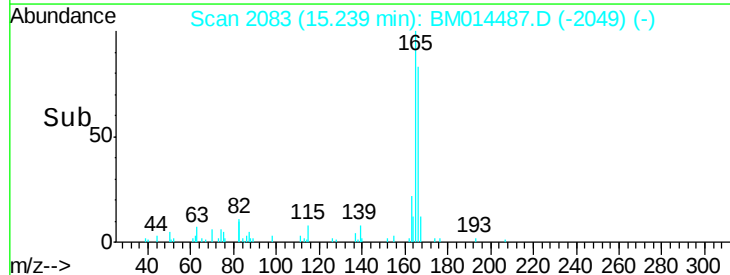
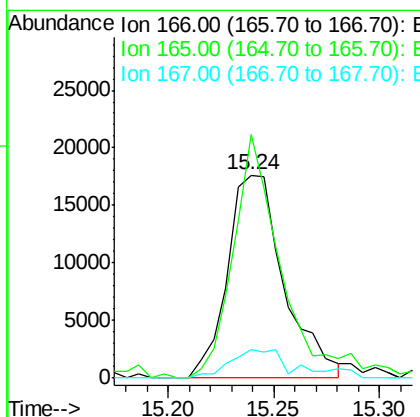
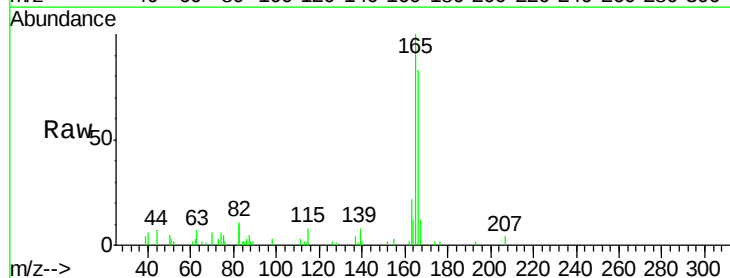
Instrument :
BNA_M
ClientSampleId :

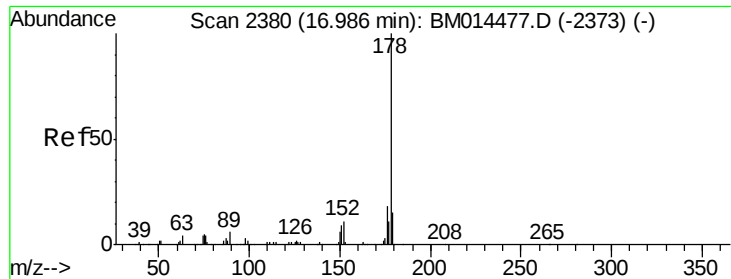
Tot Ion:168 Resp: 20694
Ion Ratio Lower Upper
168 100
139 32.2 30.8 46.2



#58
Fluorene
Concen: 2.179 ng/ul
RT: 15.24 min Scan# 2083
Delta R.T. -0.00 min
Lab File: BM014487.D
Acq: 05 Mar 2018 23:47

Tgt Ion:166 Resp: 32792
Ion Ratio Lower Upper
166 100
165 120.0 77.9 116.9#
167 14.3 10.6 16.0





#69

Phenanthrene

Concen: 28.706 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BM014487.D

Acq: 05 Mar 2018 23:47

Instrument :

BNA_M

ClientSampled :

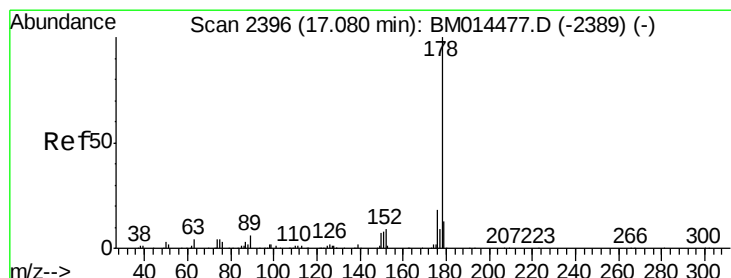
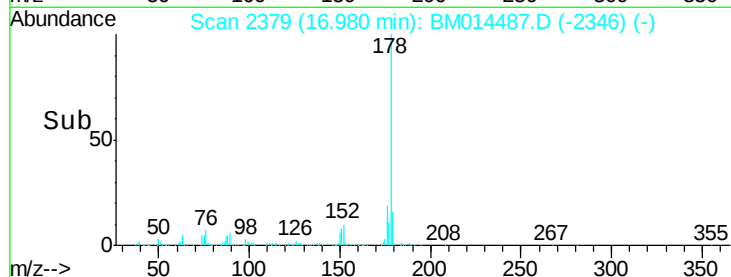
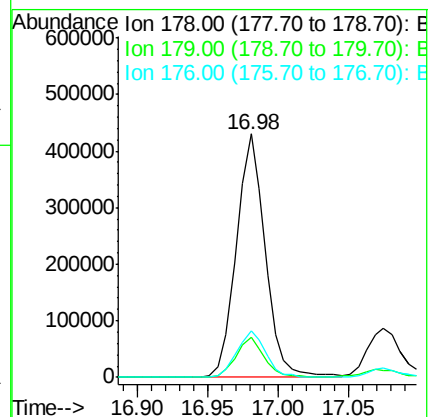
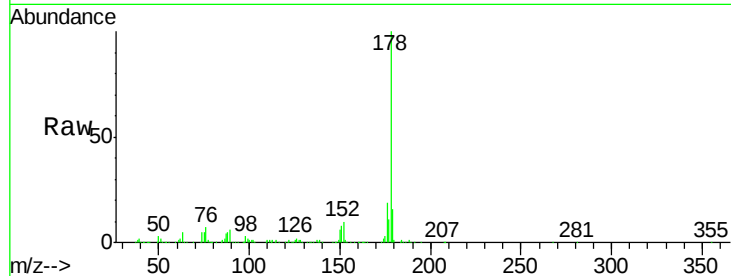
Tot Ion:178 Resp: 615766

Ion Ratio Lower Upper

178 100

179 16.4 12.6 19.0

176 19.1 14.9 22.3



#71

Anthracene

Concen: 6.328 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BM014487.D

Acq: 05 Mar 2018 23:47

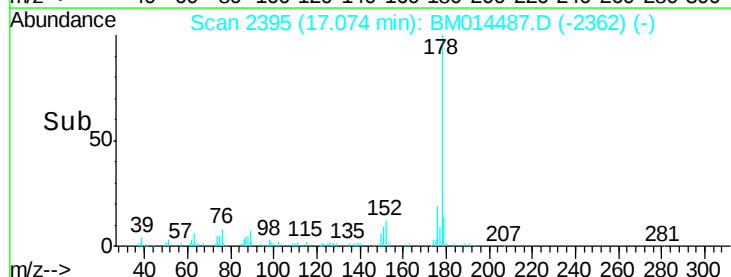
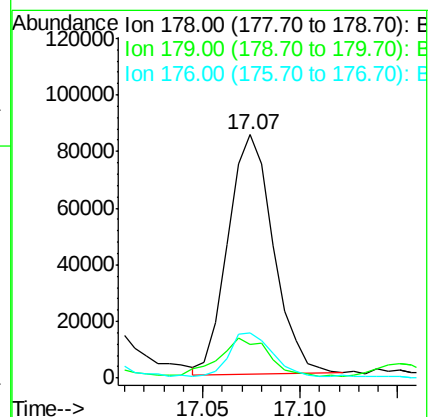
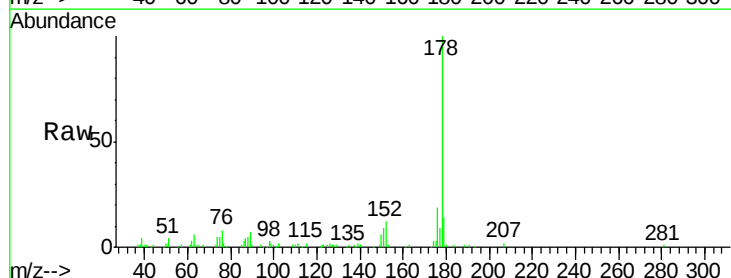
Tgt Ion:178 Resp: 136513

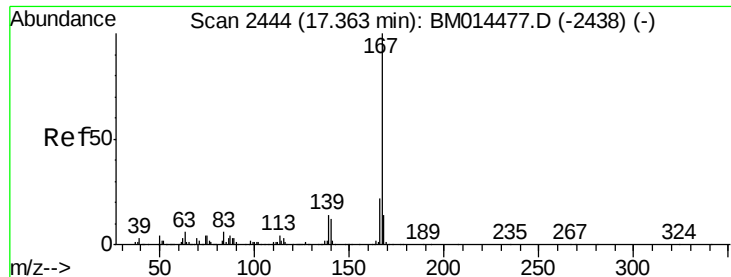
Ion Ratio Lower Upper

178 100

179 13.8 11.7 17.5

176 18.6 14.6 21.8

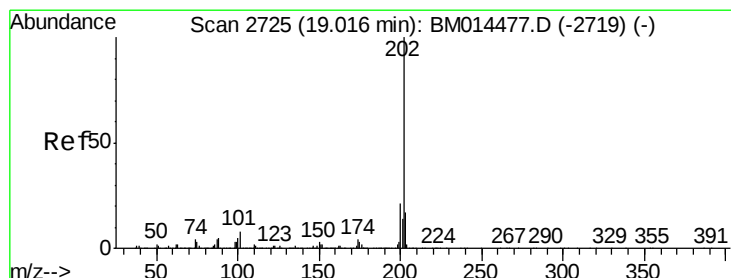
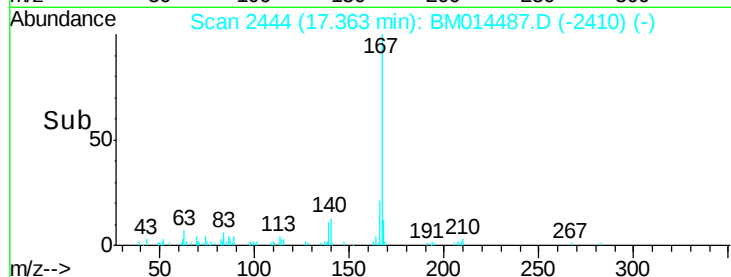
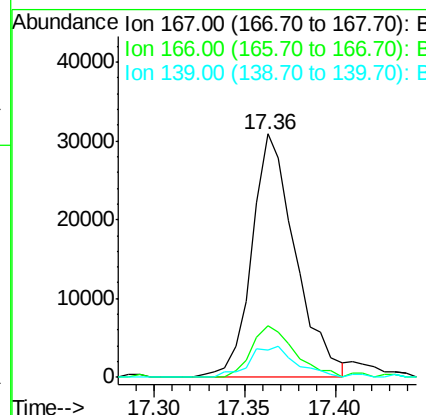
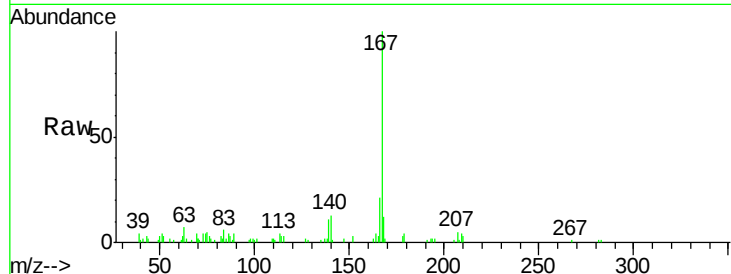




#72
 Carbazole
 Concen: 2.842 ng/ul
 RT: 17.36 min Scan# 2444
 Delta R.T. -0.00 min
 Lab File: BM014487.D
 Acq: 05 Mar 2018 23:47

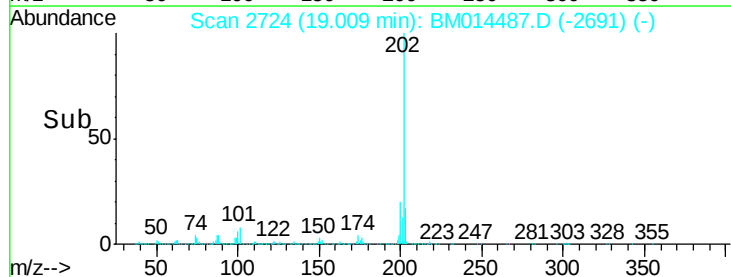
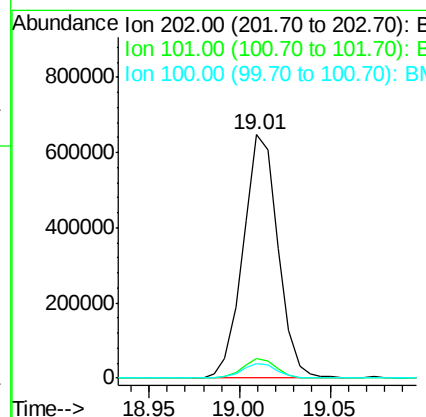
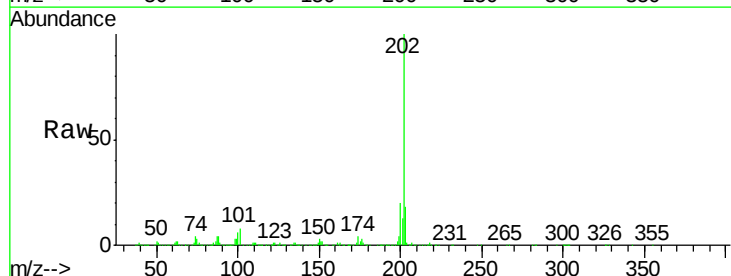
Instrument :
 BNA_M
 ClientSampleId :

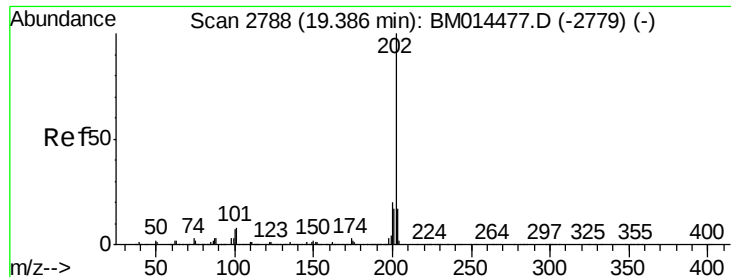
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	11.4	10.0	15.0



#74
 Fluoranthene
 Concen: 33.735 ng/ul
 RT: 19.01 min Scan# 2724
 Delta R.T. -0.01 min
 Lab File: BM014487.D
 Acq: 05 Mar 2018 23:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	4.6	7.0#
100	5.8	3.4	5.2#





#77

Pvrene

Concen: 29.167 ng/ul

RT: 19.37 min Scan# 2786

Delta R.T. -0.01 min

Lab File: BM014487.D

Acq: 05 Mar 2018 23:47

Instrument :

BNA_M

ClientSampleId :

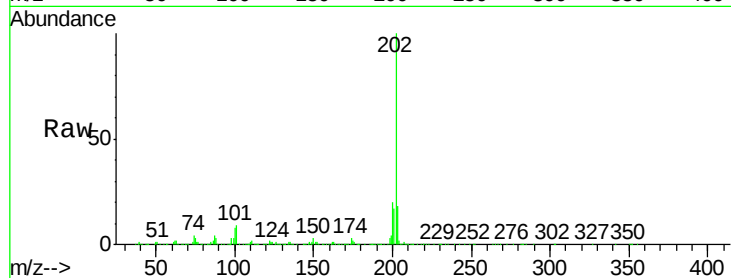
Tot Ion:202 Resp: 674341

Ion Ratio Lower Upper

202 100

101 8.8 5.1 7.7#

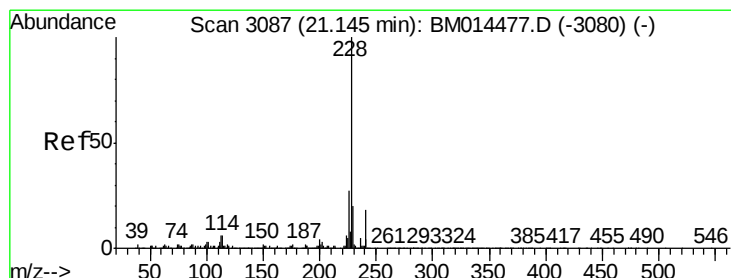
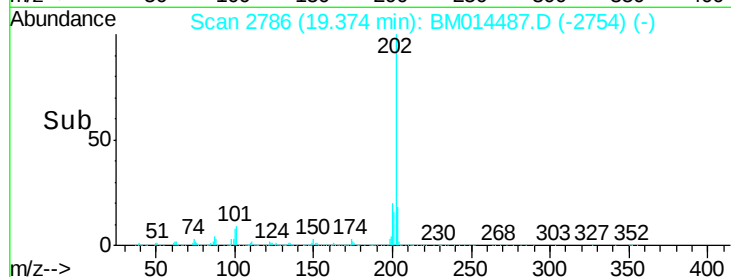
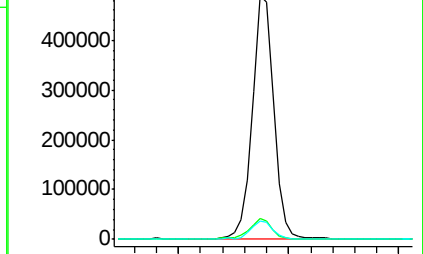
100 7.6 4.9 7.3#



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): E



#80

Benzo(a)anthracene

Concen: 15.304 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BM014487.D

Acq: 05 Mar 2018 23:47

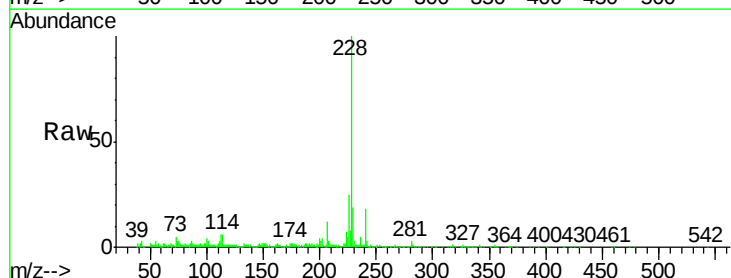
Tgt Ion:228 Resp: 332277

Ion Ratio Lower Upper

228 100

229 19.1 15.4 23.0

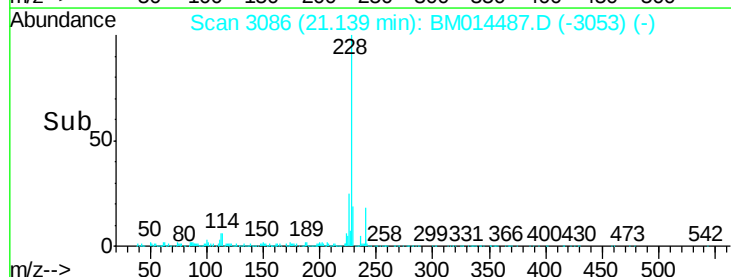
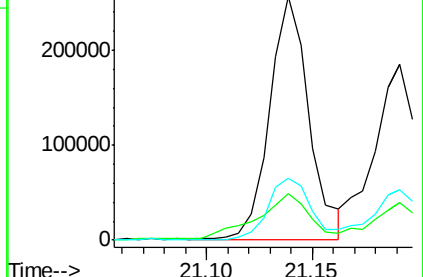
226 25.5 21.4 32.0

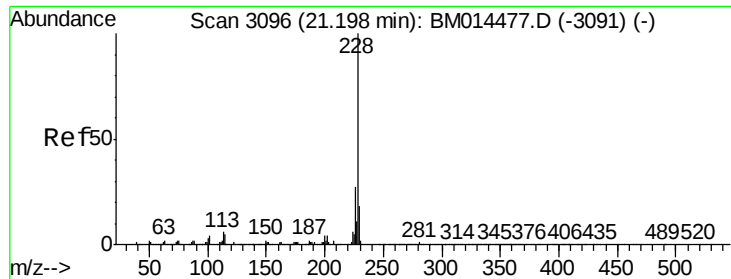


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 12.825 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM014487.D

Acq: 05 Mar 2018 23:47

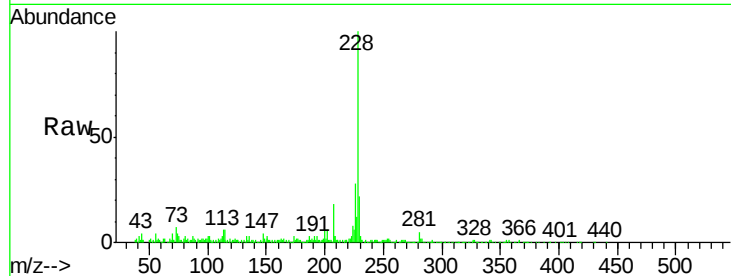
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 259756

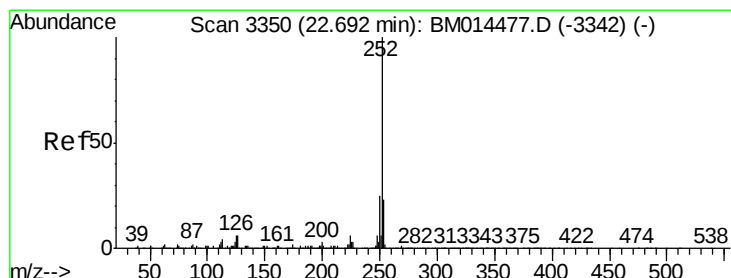
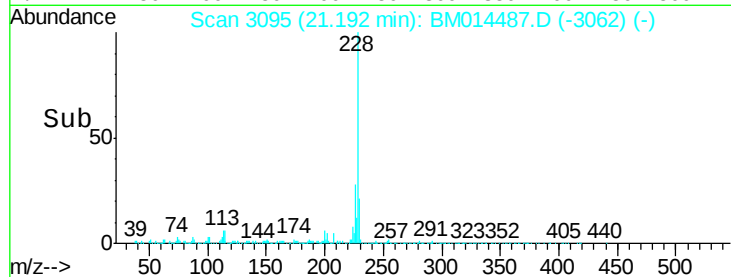
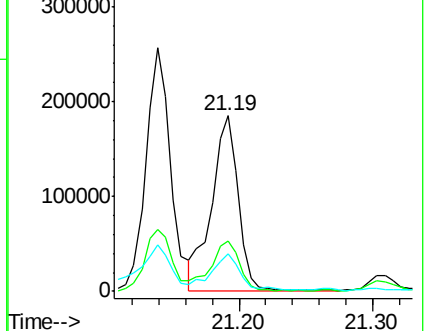
Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.4	35.2
229	21.6	15.5	23.3



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



#85

Benzo(b)fluoranthene

Concen: 14.932 ng/ul

RT: 22.69 min Scan# 3349

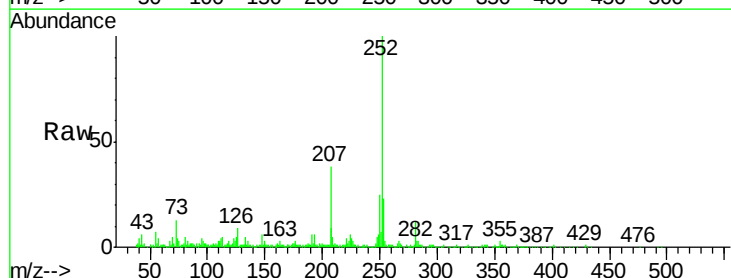
Delta R.T. -0.01 min

Lab File: BM014487.D

Acq: 05 Mar 2018 23:47

Tgt Ion:252 Resp: 331588

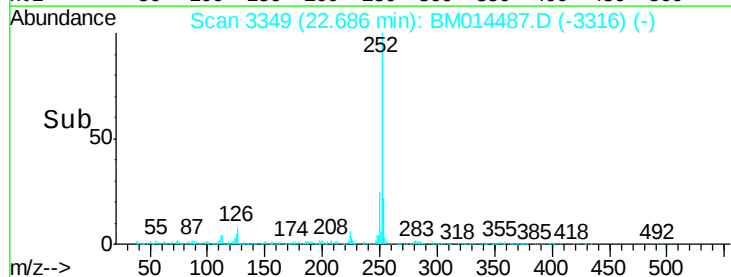
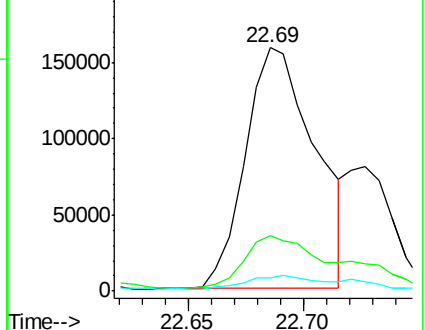
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	5.5	3.6	5.4

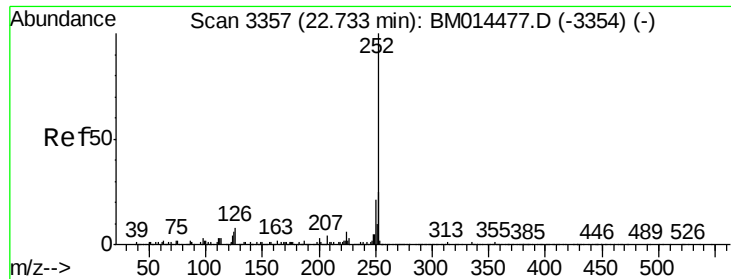


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

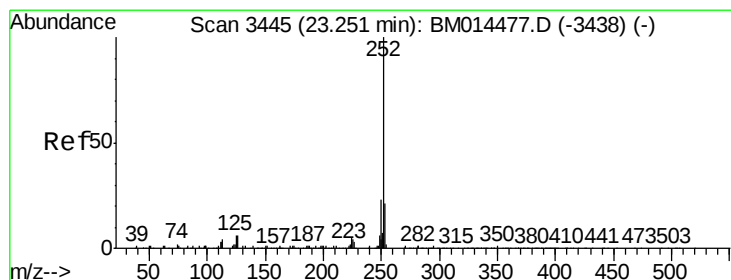
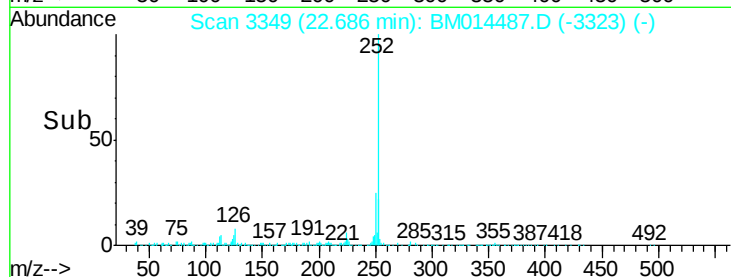
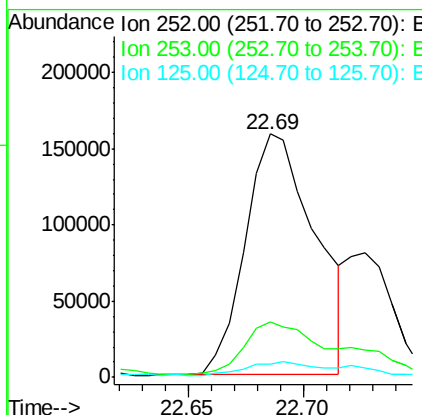
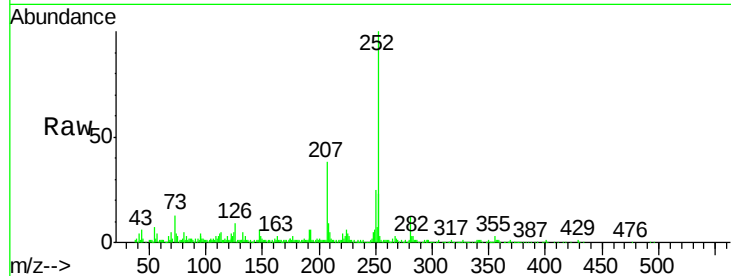




#86
Benzo(k)fluoranthene
Concen: 15.705 ng/u1
RT: 22.69 min Scan# 3349
Delta R.T. -0.05 min
Lab File: BM014487.D
Acq: 05 Mar 2018 23:47

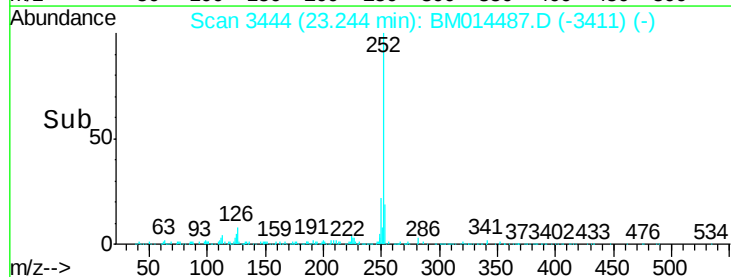
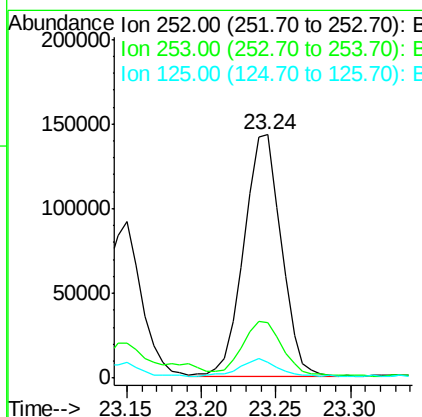
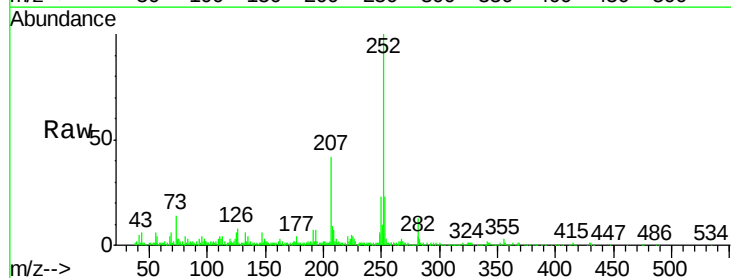
Instrument :
BNA_M
ClientSampleId :

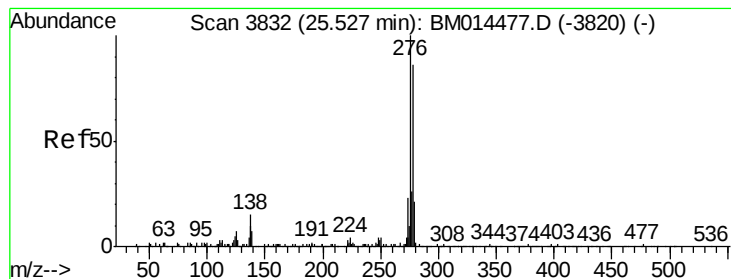
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	5.5	3.4	5.2#



#88
Benzo(a)pyrene
Concen: 12.477 ng/u1
RT: 23.24 min Scan# 3444
Delta R.T. -0.01 min
Lab File: BM014487.D
Acq: 05 Mar 2018 23:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	6.4	4.0	6.0#



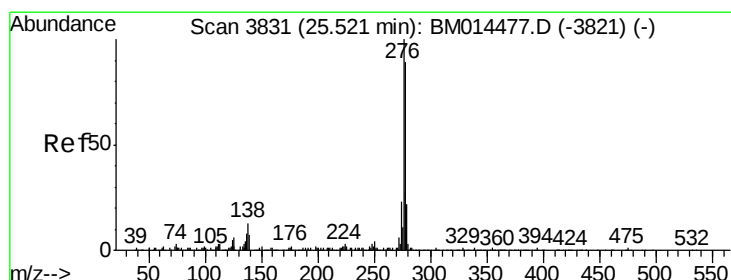
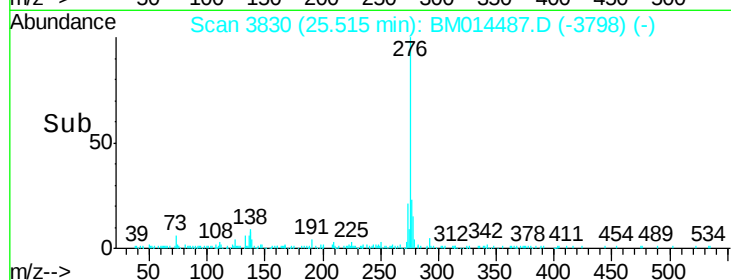
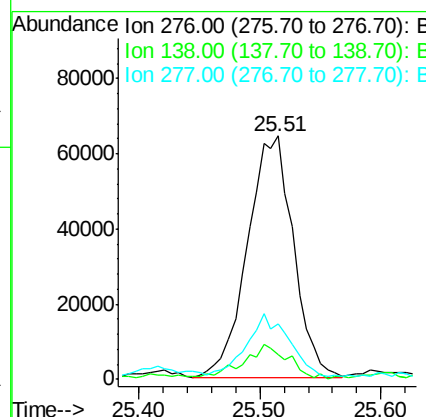
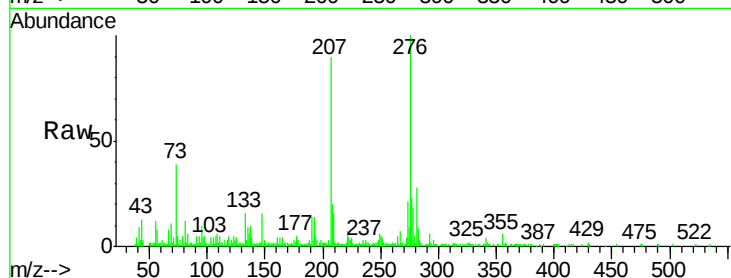


#89

Indeno(1,2,3-cd)pyrene
Concen: 8.855 ng/ul
RT: 25.51 min Scan# 3830
Delta R.T. -0.01 min
Lab File: BM014487.D
Acq: 05 Mar 2018 23:47

Instrument :
BNA_M
ClientSampleId :

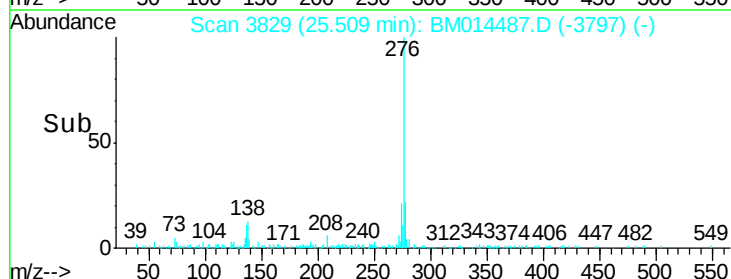
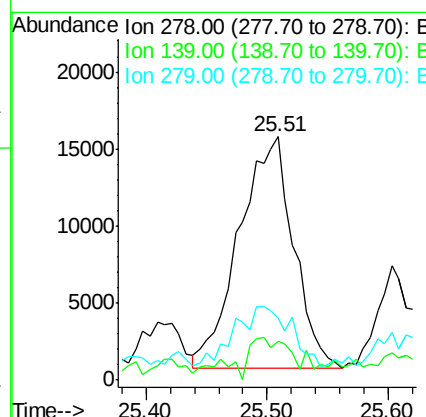
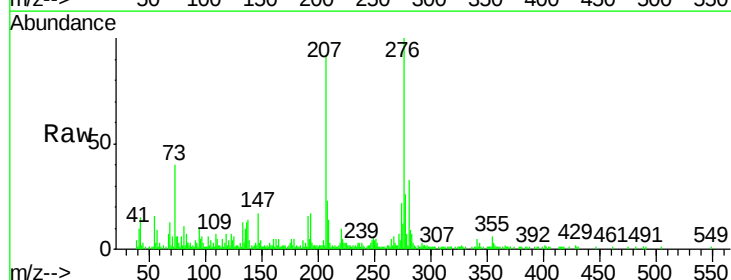
Tot Ion	Ratio	Lower	Upper
276	100		
138	10.1	9.3	13.9
277	22.8	19.9	29.9

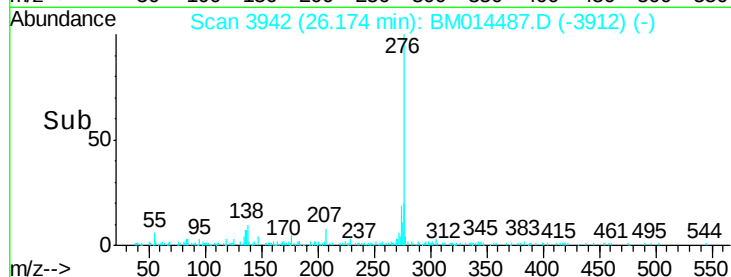
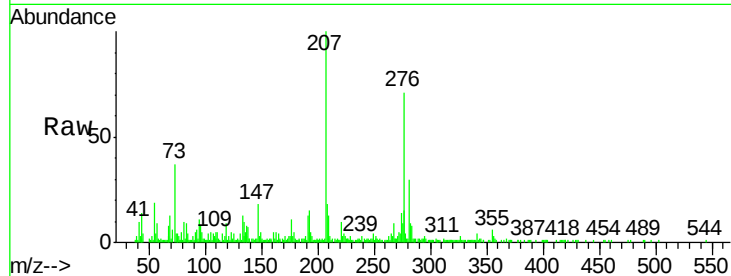
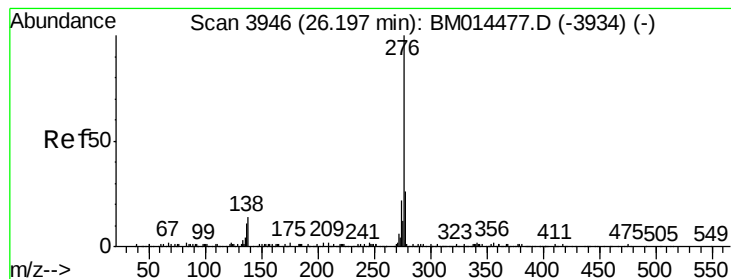


#90

Dibenzo(a,h)anthracene
Concen: 2.953 ng/ul
RT: 25.51 min Scan# 3829
Delta R.T. -0.01 min
Lab File: BM014487.D
Acq: 05 Mar 2018 23:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.9	5.8	8.8#
279	25.5	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 7.933 ng/ul

RT: 26.17 min Scan# 3942

Delta R.T. -0.02 min

Lab File: BM014487.D

Acq: 05 Mar 2018 23:47

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 123749

Ion Ratio Lower Upper

276 100

138 12.9 8.5 12.7#

277 21.2 18.6 28.0

