

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014481.D
 Acq On : 05 Mar 2018 20:11
 Operator : SJ/JU
 Sample : J1678-10DL 20X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 05 23:58:56 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	85544	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	328161	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	193417	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	409566	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	355045	20.00	ng/ul	0.00
83) Perylene-d12	23.34	264	304944	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	390	0.20	ng/uL	0.00
5) Phenol-d5	6.76	99	6100	0.84	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	6.87	67	5203	1.19	ng/ul	0.01
9) 2-Chlorophenol-d4	7.07	132	4243	0.77	ng/ul	0.01
13) 4-Methylphenol-d8	8.29	113	3485	0.55	ng/ul	0.03
19) Nitrobenzene-d5	8.71	128	3382	1.39	ng/ul	0.03
22) 2-Nitrophenol-d4	9.41	143	3143	1.25	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.00	165	1874	0.36	ng/ul	0.06
29) 4-Chloroaniline-d4	10.50	131	1576	0.31	ng/ul	0.05
43) Dimethylphthalate-d6	13.60	166	29136	1.82	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	35481	1.80	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	481	0.22	ng/ul	0.07
57) Fluorene-d10	15.19	176	24454	1.71	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	315	0.13	ng/ul	0.03
70) Anthracene-d10	17.04	188	40030	2.03	ng/ul	0.00
76) Pyrene-d10	19.35	212	40453	2.21	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	32046	2.16	ng/ul	0.00

Target Compounds

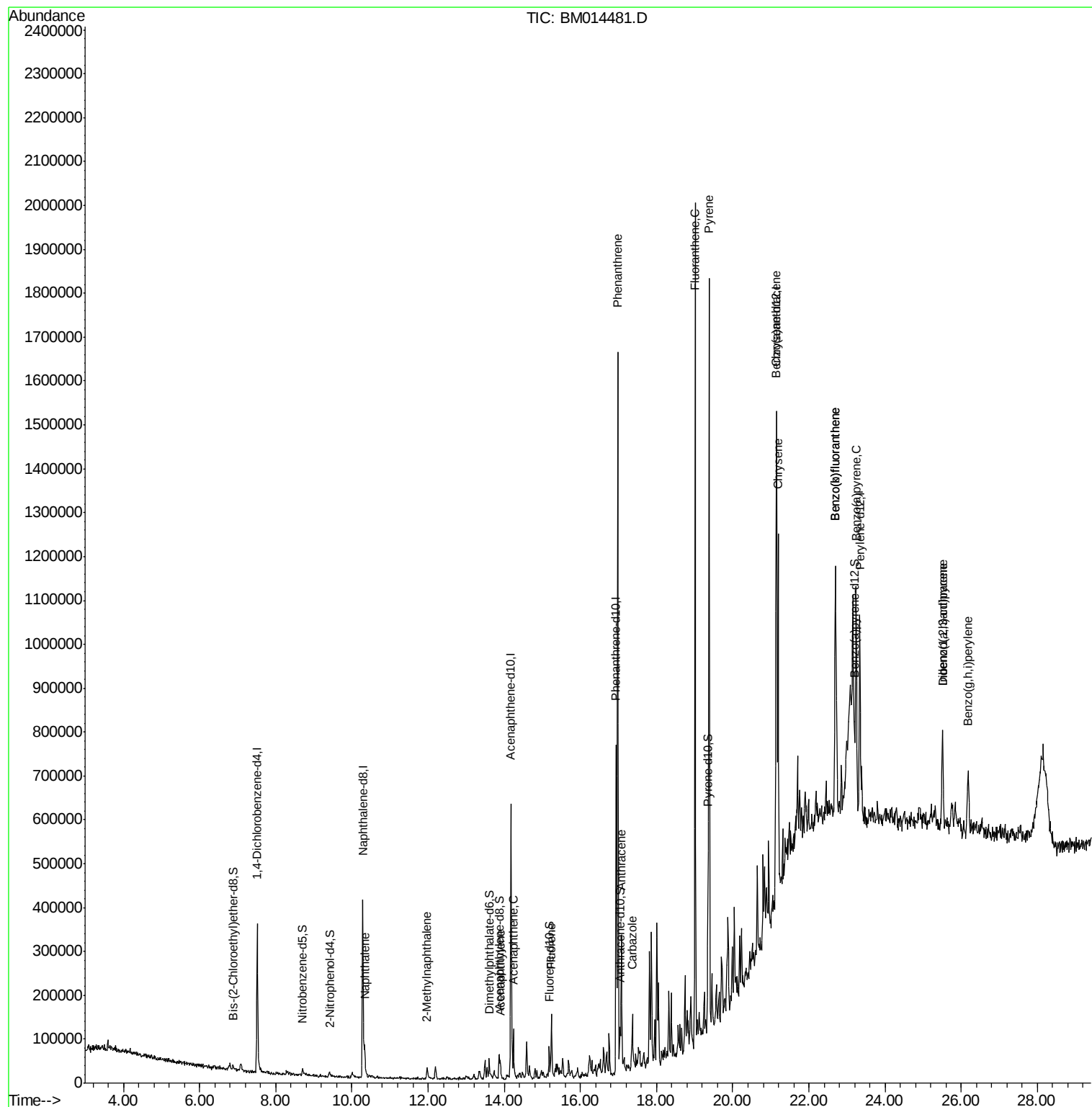
					Ovalue	
28) Naphthalene	10.33	128	43732	2.595	ng/ul#	97
34) 2-Methylnaphthalene	11.98	142	14238	1.110	ng/ul	94
47) Acenaphthylene	13.90	152	18838	1.012	ng/ul#	95
49) Acenaphthene	14.24	153	41953	3.200	ng/ul	94
58) Fluorene	15.24	166	53739	3.167	ng/ul	95
69) Phenanthrene	16.98	178	881727	37.365	ng/ul	99
71) Anthracene	17.07	178	172168	7.255	ng/ul	97
72) Carbazole	17.37	167	70473	3.532	ng/ul	98
74) Fluoranthene	19.02	202	1041530	36.943	ng/ul#	94
77) Pyrene	19.38	202	964450	40.875	ng/ul#	96
80) Benzo(a)anthracene	21.14	228	439656	19.842	ng/ul	98
82) Chrysene	21.19	228	395803	19.148	ng/ul	98
85) Benzo(b)fluoranthene	22.69	252	421398	20.638	ng/ul#	96
86) Benzo(k)fluoranthene	22.69	252	421398	21.707	ng/ul#	94
88) Benzo(a)pyrene	23.24	252	298297	16.349	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	25.51	276	189001	10.675	ng/ul	99
90) Dibenzo(a,h)anthracene	25.51	278	62203	4.228	ng/ul#	73
91) Benzo(g,h,i)perylene	26.18	276	150711	10.508	ng/ul	98

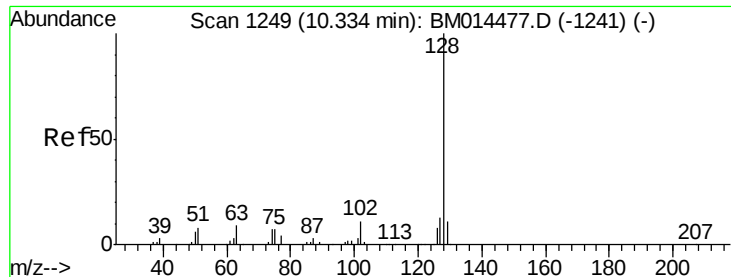
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 2.595 ng/ul

RT: 10.33 min Scan# 1249

Delta R.T. -0.00 min

Lab File: BM014481.D

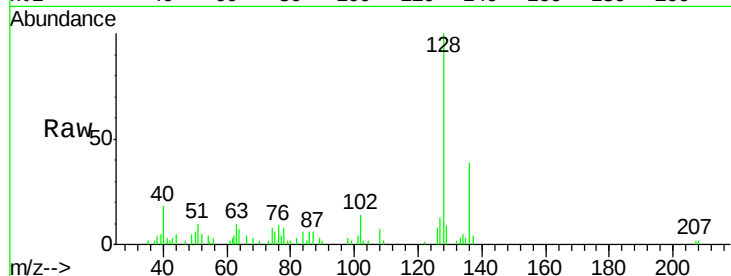
Acq: 05 Mar 2018 20:11

Instrument :

BNA_M

ClientSampleId :

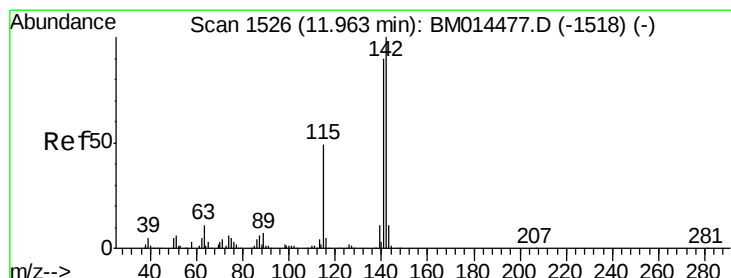
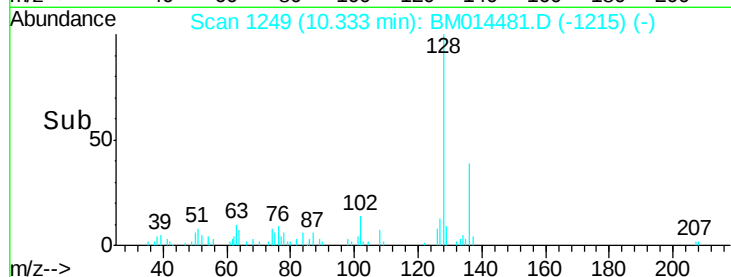
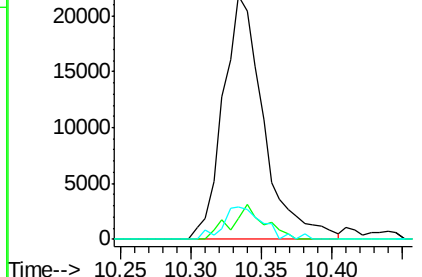
Tot Ion:128	Resp:	43732
Ion Ratio	Lower	Upper
128	100	
129	8.8	8.8 13.2#
127	13.1	10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 1.110 ng/ul

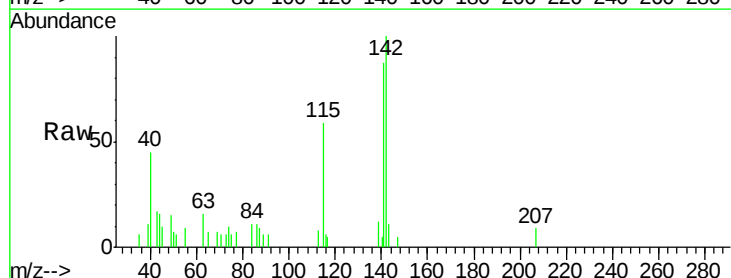
RT: 11.98 min Scan# 1529

Delta R.T. 0.02 min

Lab File: BM014481.D

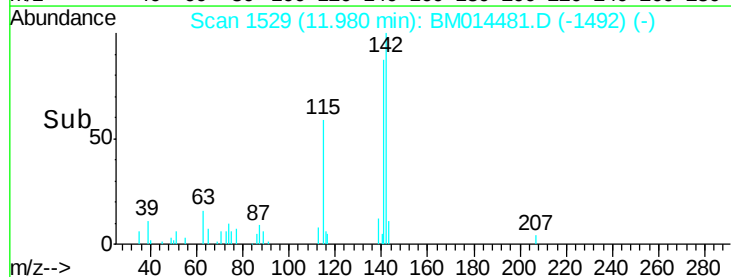
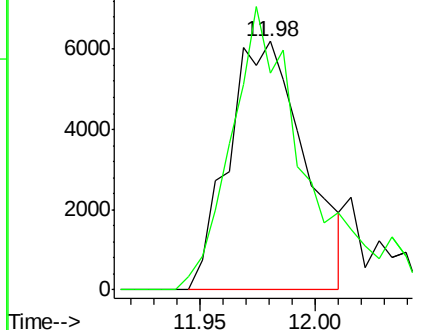
Acq: 05 Mar 2018 20:11

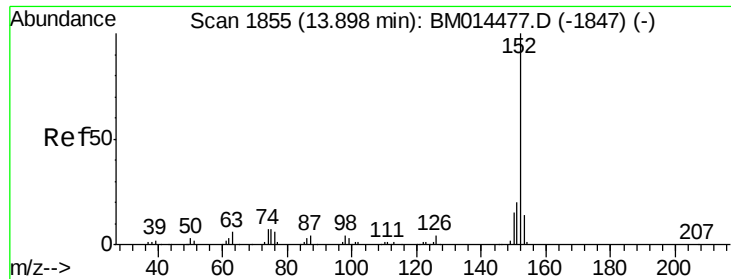
Tgt Ion:142	Resp:	14238
Ion Ratio	Lower	Upper
142	100	
141	87.1	74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

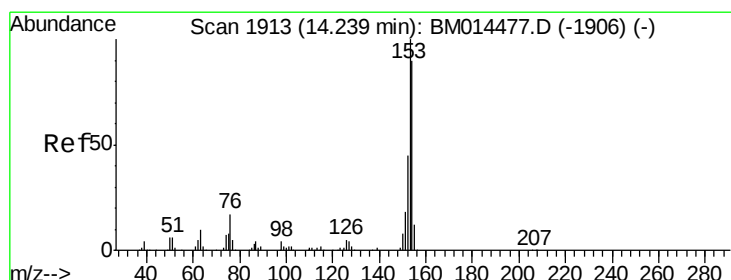
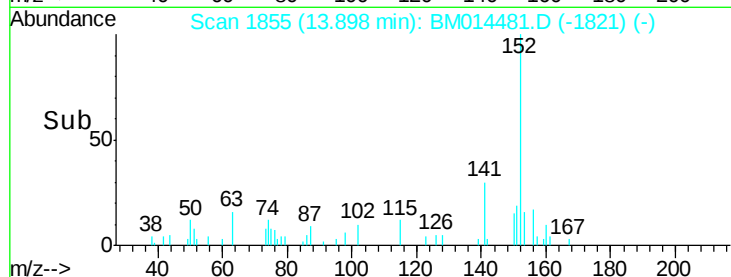
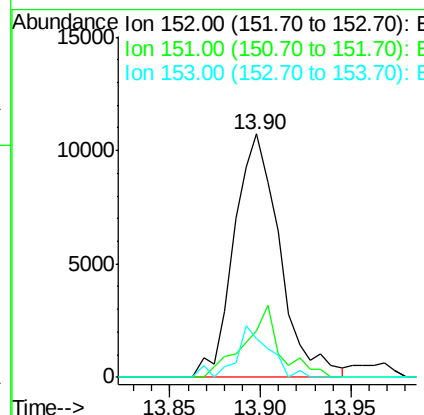
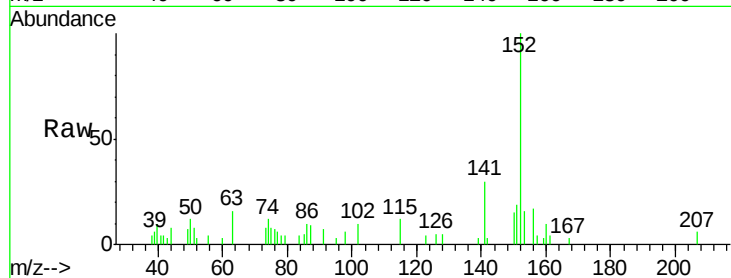




#47
Acenaphthylene
Concen: 1.012 ng/ul
RT: 13.90 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BM014481.D
Acq: 05 Mar 2018 20:11

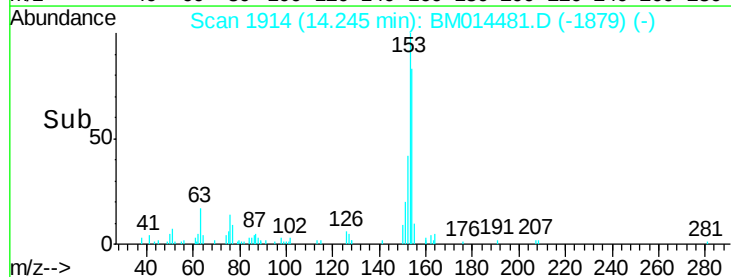
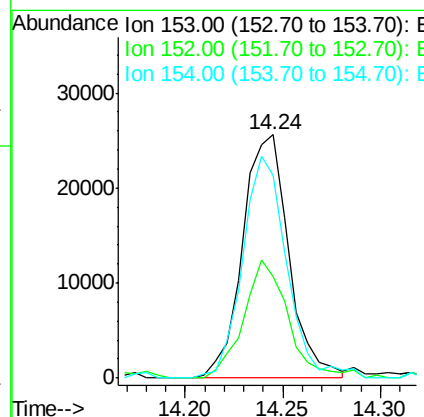
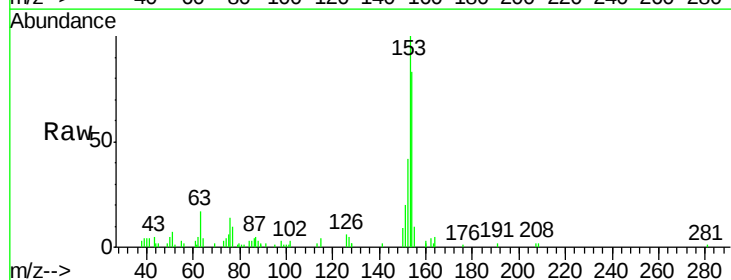
Instrument :
BNA_M
ClientSampleID :

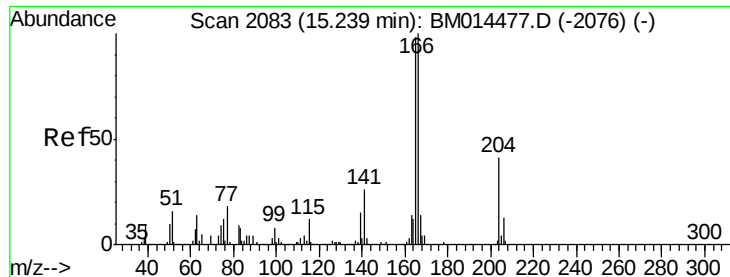
Tot Ion	Ratio	Lower	Upper
152	100		
151	18.8	16.3	24.5
153	16.0	10.2	15.4#



#49
Acenaphthene
Concen: 3.200 ng/ul
RT: 14.24 min Scan# 1914
Delta R.T. 0.01 min
Lab File: BM014481.D
Acq: 05 Mar 2018 20:11

Tgt Ion	Ratio	Lower	Upper
153	100		
152	41.8	37.6	56.4
154	83.0	70.4	105.6





#58

Fluorene

Concen: 3.167 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

Instrument :

BNA_M

ClientSampleId :

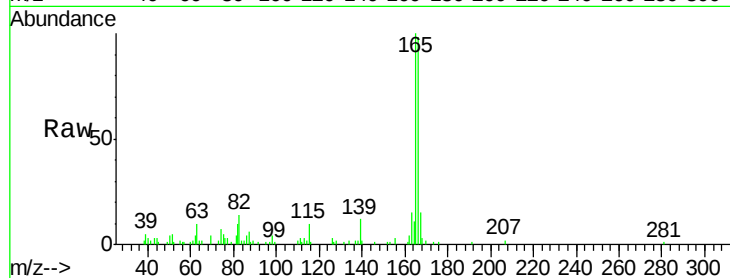
Tot Ion:166 Resp: 53739

Ion Ratio Lower Upper

166 100

165 102.4 77.9 116.9

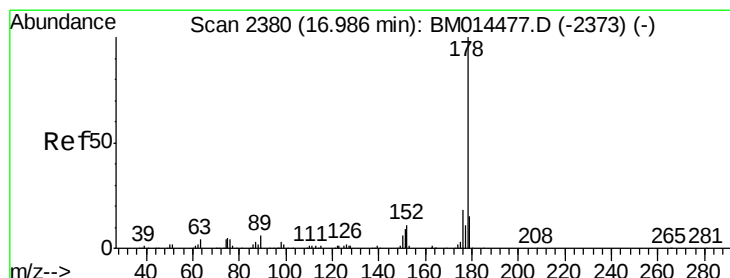
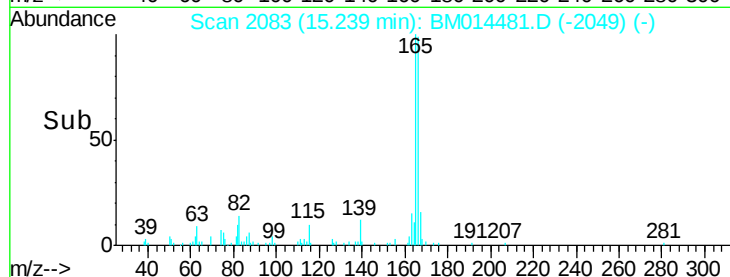
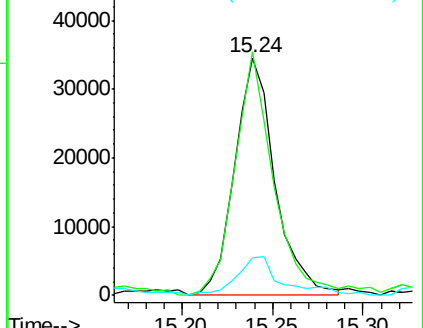
167 15.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 37.365 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

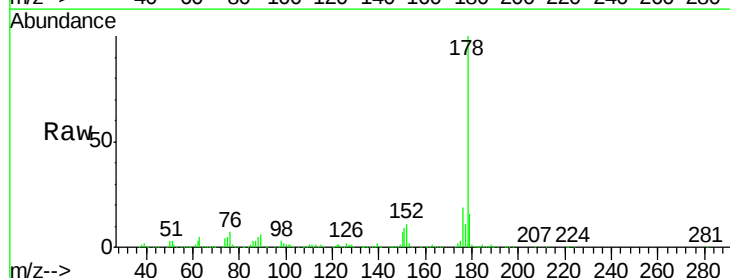
Tgt Ion:178 Resp: 881727

Ion Ratio Lower Upper

178 100

179 15.7 12.6 19.0

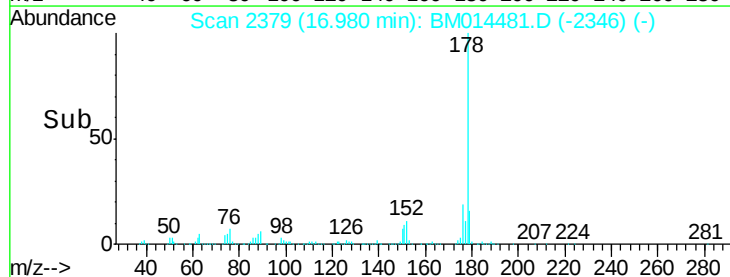
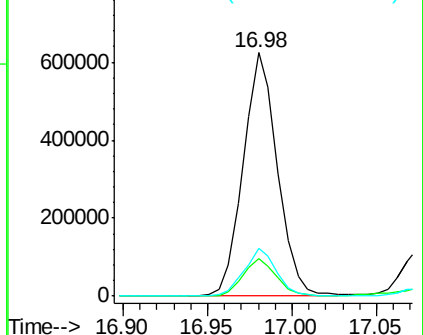
176 19.5 14.9 22.3

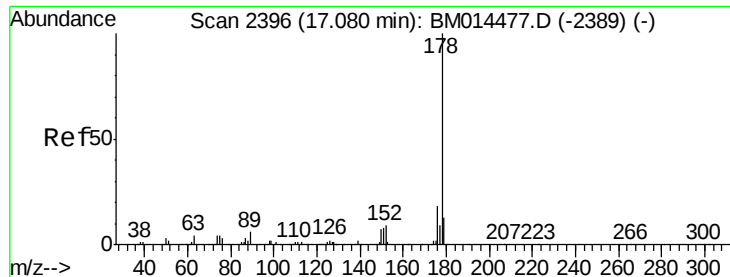


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 7.255 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

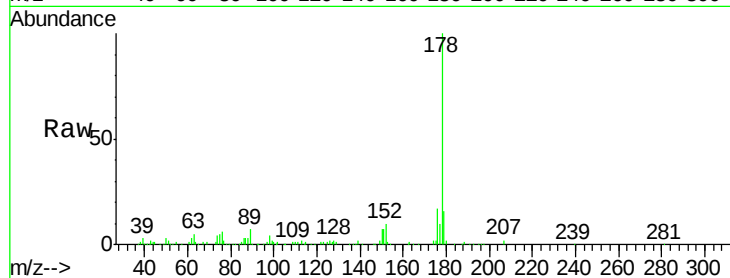
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 172168

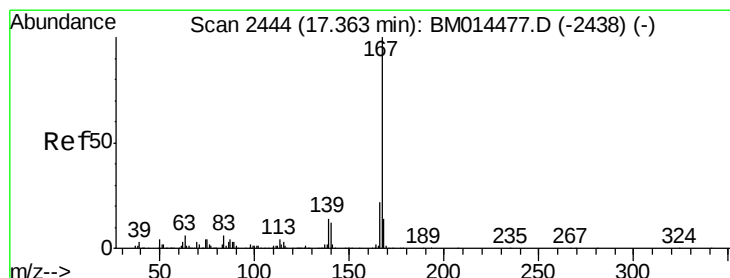
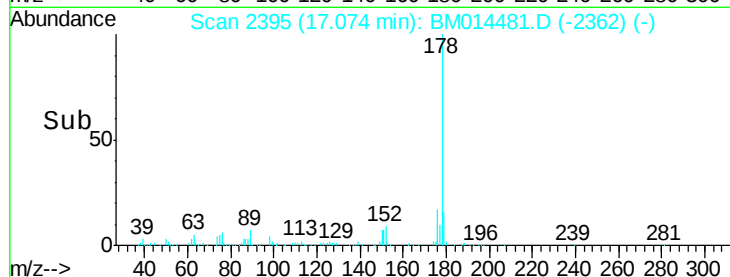
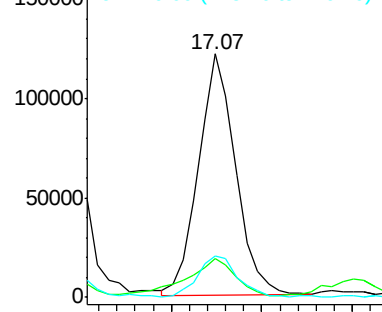
Ion	Ratio	Lower	Upper
178	100		
179	15.8	11.7	17.5
176	17.2	14.6	21.8



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: 3.532 ng/ul

RT: 17.37 min Scan# 2445

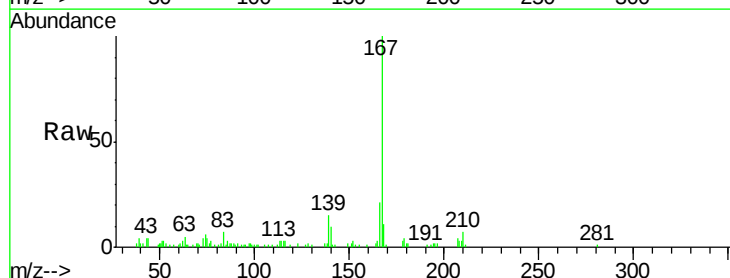
Delta R.T. 0.01 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

Tgt Ion:167 Resp: 70473

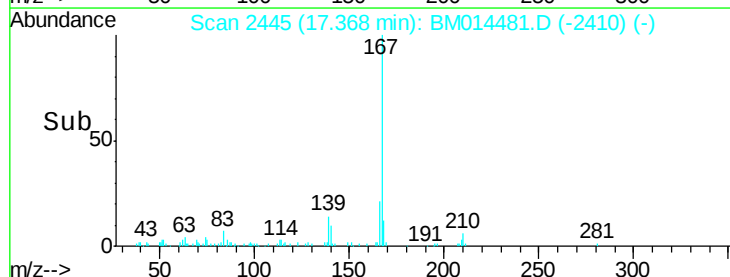
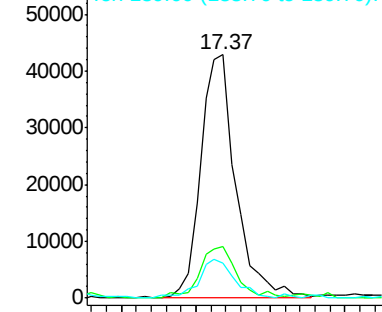
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	14.6	10.0	15.0

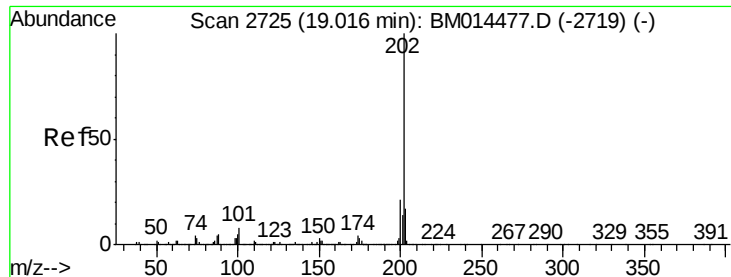


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

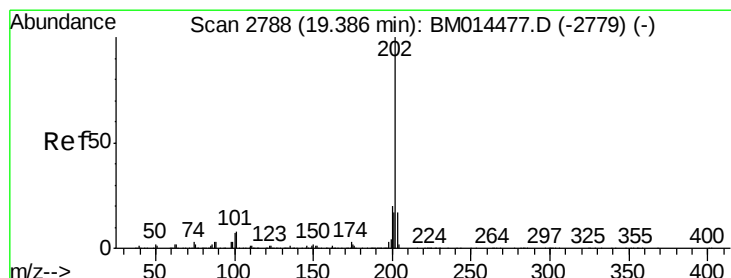
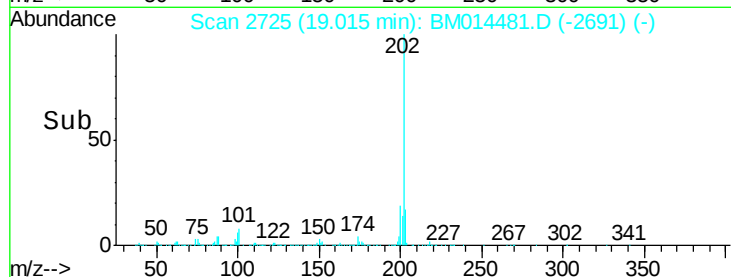
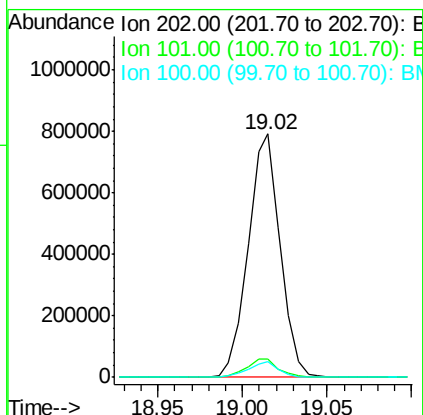
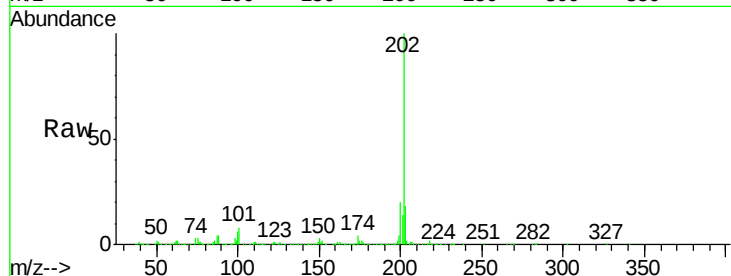




#74
Fluoranthene
Concen: 36.943 ng/ul
RT: 19.02 min Scan# 2725
Delta R.T. -0.00 min
Lab File: BM014481.D
Acq: 05 Mar 2018 20:11

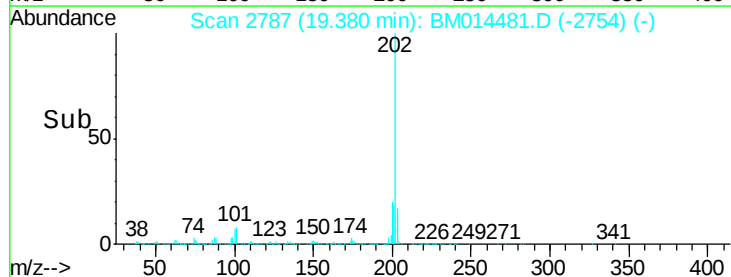
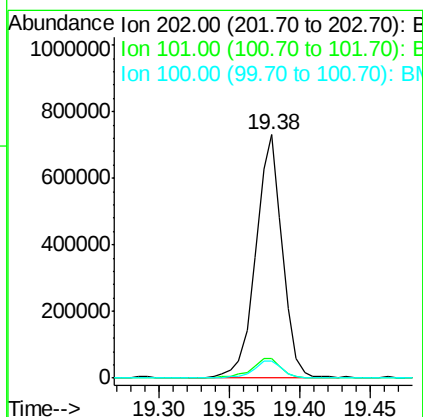
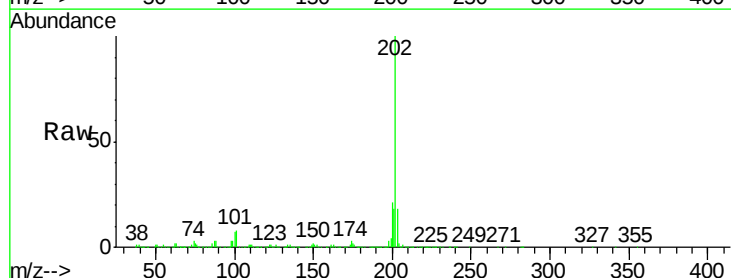
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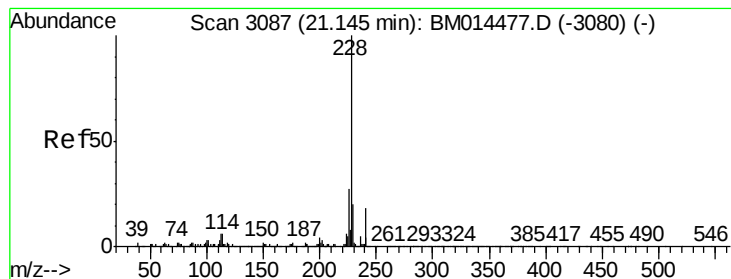
Tot Ion:202 Resp: 1041530
Ion Ratio Lower Upper
202 100
101 7.8 4.6 7.0#
100 6.3 3.4 5.2#



#77
Pyrene
Concen: 40.875 ng/ul
RT: 19.38 min Scan# 2787
Delta R.T. -0.01 min
Lab File: BM014481.D
Acq: 05 Mar 2018 20:11

Tgt Ion:202 Resp: 964450
Ion Ratio Lower Upper
202 100
101 8.2 5.1 7.7#
100 6.8 4.9 7.3





#80

Benzo(a)anthracene

Concen: 19.842 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

Instrument :

BNA_M

ClientSampleId :

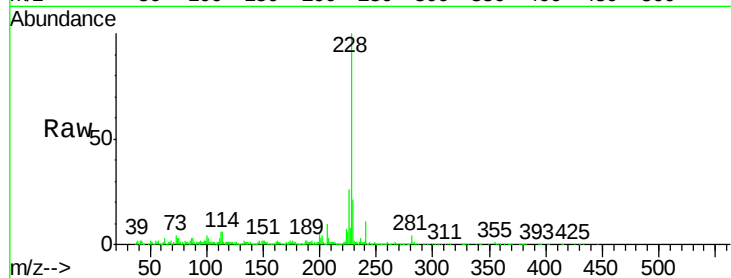
Tot Ion:228 Resp: 439656

Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.4	23.0
226	26.1	21.4	32.0

228 100

229 21.1 15.4 23.0

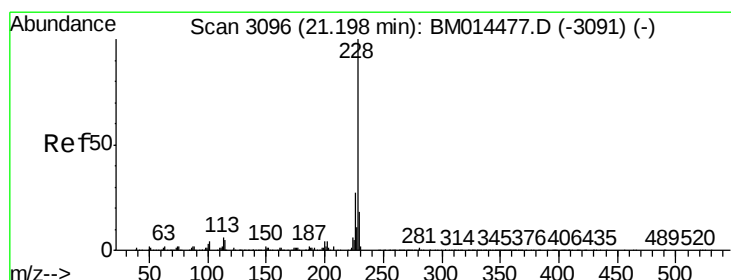
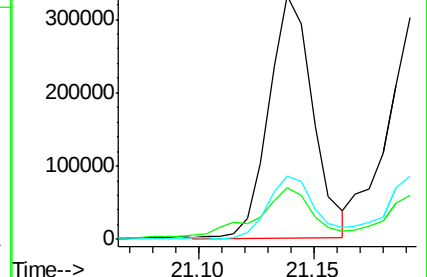
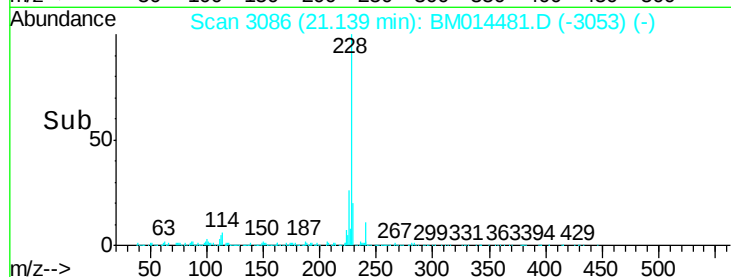
226 26.1 21.4 32.0



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: 19.148 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

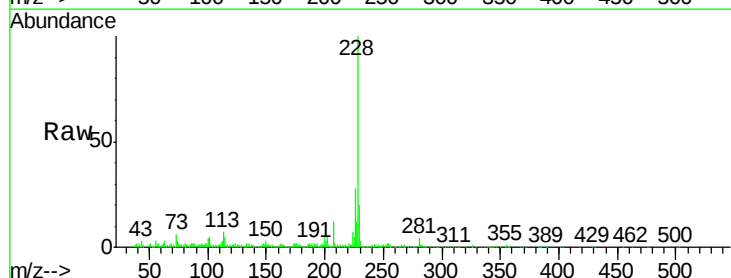
Tgt Ion:228 Resp: 395803

Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.4	35.2
229	20.1	15.5	23.3

228 100

226 28.2 23.4 35.2

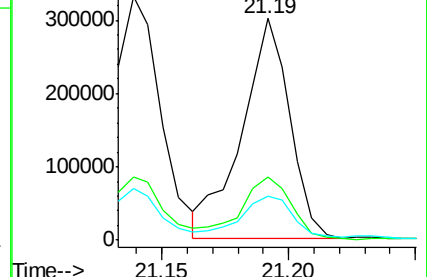
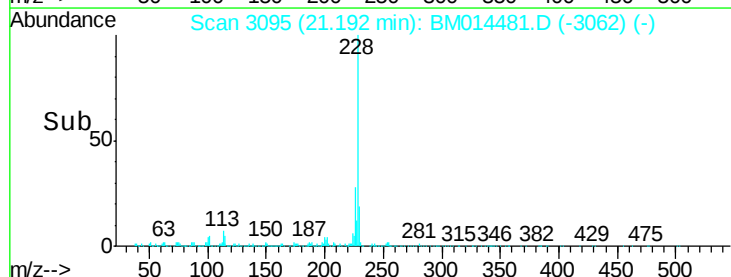
229 20.1 15.5 23.3

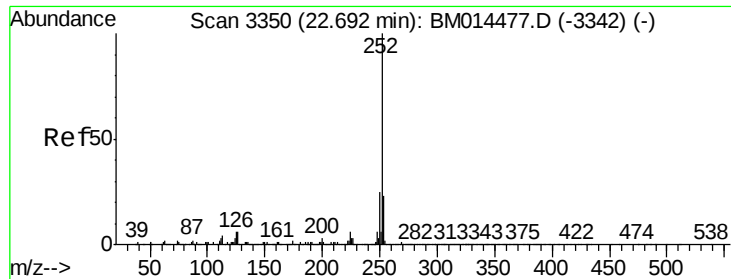


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 20.638 ng/ul

RT: 22.69 min Scan# 3350

Delta R.T. -0.00 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

Instrument :

BNA_M

ClientSampleId :

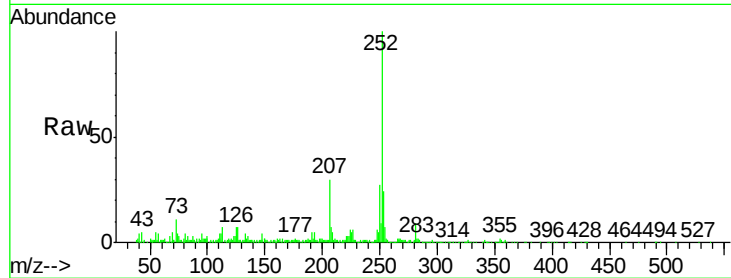
Tot Ion:252 Resp: 421398

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

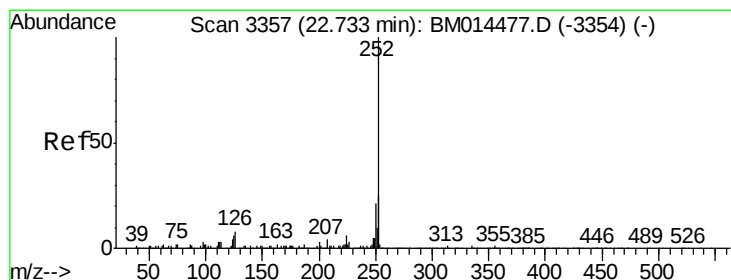
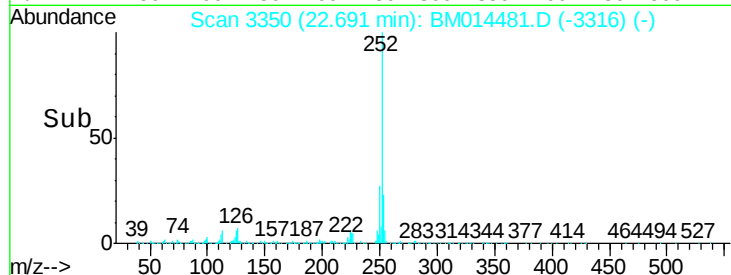
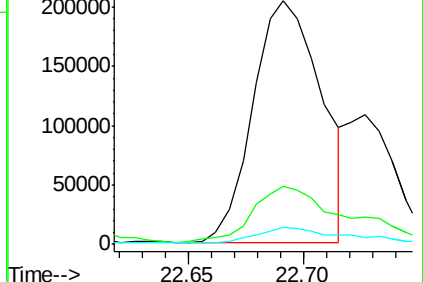
125 6.8 3.6 5.4#



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: 21.707 ng/ul

RT: 22.69 min Scan# 3350

Delta R.T. -0.04 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

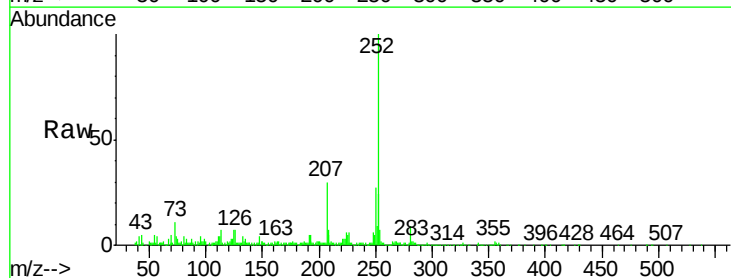
Tgt Ion:252 Resp: 421398

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

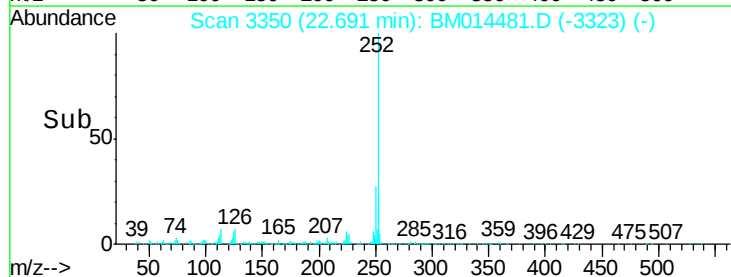
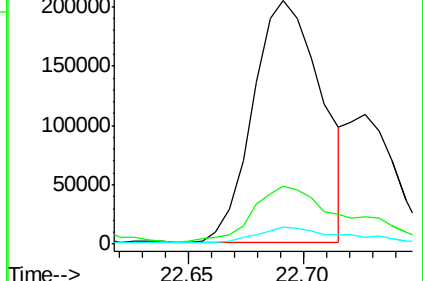
125 6.8 3.4 5.2#

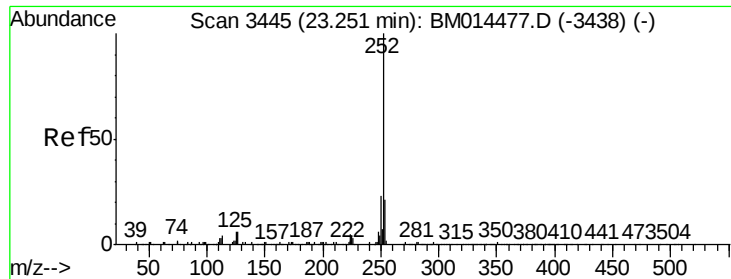


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 16.349 ng/ul

RT: 23.24 min Scan# 3444

Delta R.T. -0.01 min

Lab File: BM014481.D

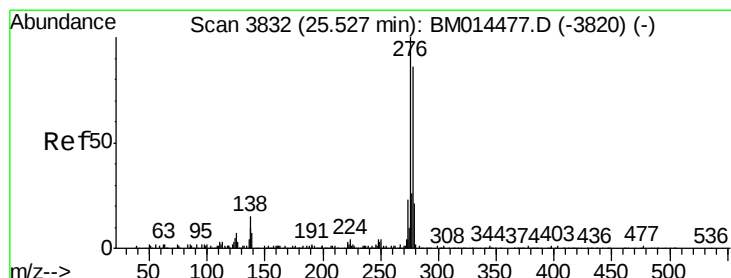
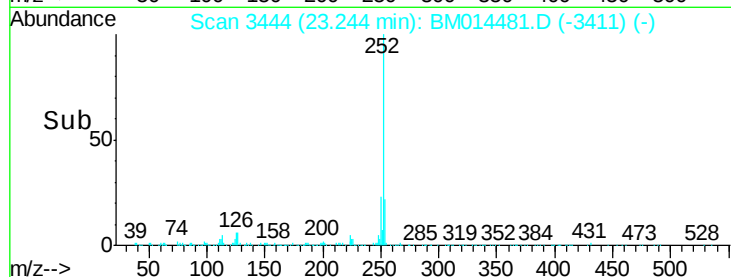
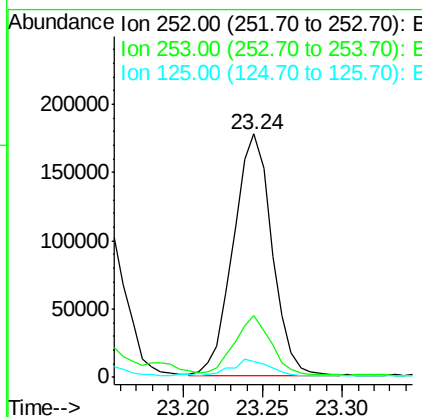
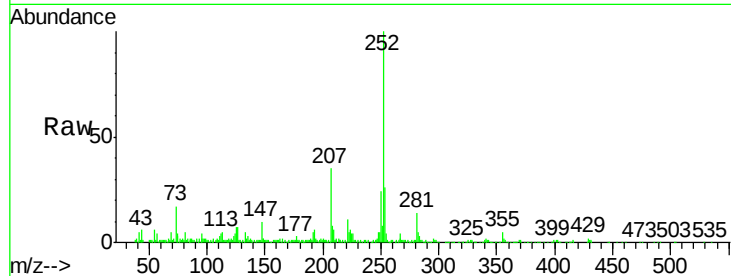
Acq: 05 Mar 2018 20:11

Instrument :

BNA_M

ClientSampled :

Tot Ion:	252	Resp:	298297
Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.2	27.2
125	6.5	4.0	6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 10.675 ng/ul

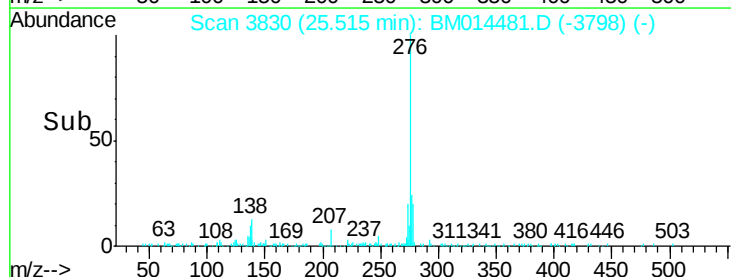
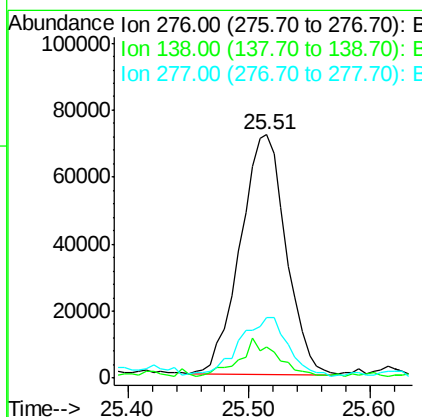
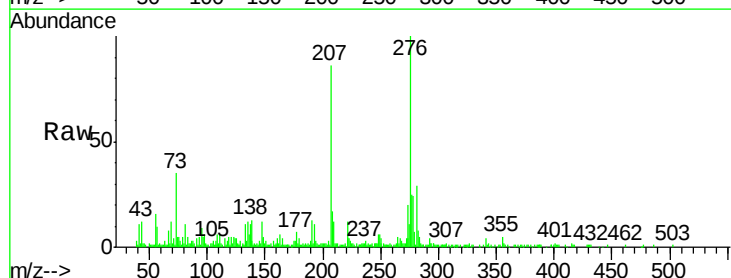
RT: 25.51 min Scan# 3830

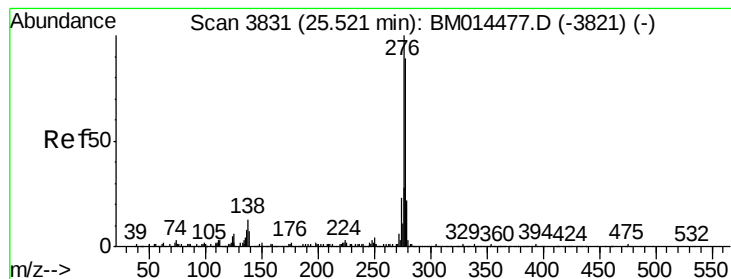
Delta R.T. -0.01 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

Tgt Ion:	276	Resp:	189001
Ion	Ratio	Lower	Upper
276	100		
138	12.7	9.3	13.9
277	25.0	19.9	29.9



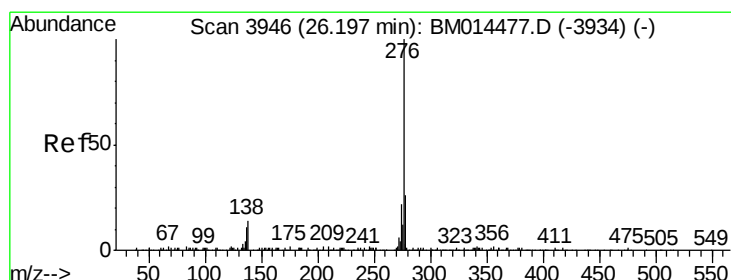
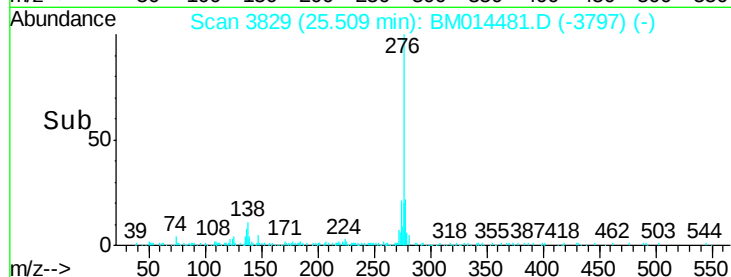
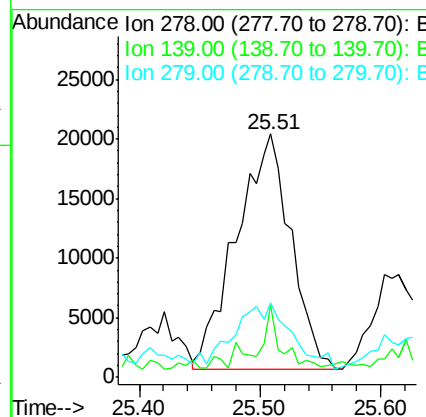
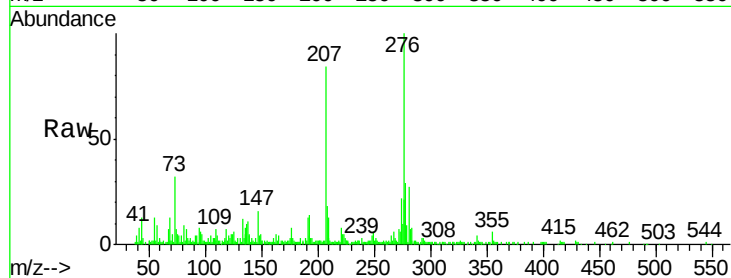


#90

Dibenzo(a,h)anthracene
Concen: 4.228 ng/ul
RT: 25.51 min Scan# 3829
Delta R.T. -0.01 min
Lab File: BM014481.D
Acq: 05 Mar 2018 20:11

Instrument :
BNA_M
ClientSampled :

Tot Ion:278 Resp: 62203
Ion Ratio Lower Upper
278 100
139 29.8 5.8 8.8#
279 30.5 18.6 27.8#



#91

Benzo(g,h,i)perylene
Concen: 10.508 ng/ul
RT: 26.18 min Scan# 3943
Delta R.T. -0.02 min
Lab File: BM014481.D
Acq: 05 Mar 2018 20:11

Tgt Ion:276 Resp: 150711
Ion Ratio Lower Upper
276 100
138 10.6 8.5 12.7
277 24.9 18.6 28.0

