

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014483.D
 Acq On : 05 Mar 2018 21:24
 Operator : SJ/JU
 Sample : J1678-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 05 23:59:47 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	86856	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	345399	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	196777	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	404264	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	396028	20.00	ng/ul	0.00
83) Perylene-d12	23.21	264	608571	20.00	ng/ul	-0.13

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	9658	4.76	ng/uL	0.00
5) Phenol-d5	6.72	99	224889	30.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	136344	30.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	186741	33.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	185241	28.84	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	90927	35.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	103543	39.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	179813	32.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	125698	23.32	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	593666	36.53	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	734000	36.63	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	50146	22.35	ng/ul	-0.02
57) Fluorene-d10	15.17	176	490158	33.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	57183	23.58	ng/ul	0.00
70) Anthracene-d10	17.04	188	717415	36.78	ng/ul	0.00
76) Pyrene-d10	19.35	212	744381	36.44	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.21	264	606920	20.49	ng/ul	0.01

Target Compounds

					Ovalue	
24) 2,4-Dimethylphenol	9.50	107	13614	1.941	ng/ul	96
28) Naphthalene	10.33	128	201405	11.353	ng/ul	98
30) 4-Chloroaniline	10.33	127	27003	4.911	ng/ul#	12
34) 2-Methylnaphthalene	11.96	142	114850	8.506	ng/ul	95
40) 1,1'-Biphenyl	12.99	154	26325	1.737	ng/ul#	91
44) Dimethylphthalate	13.64	163	130470	8.142	ng/ul#	94
47) Acenaphthylene	13.89	152	127765	6.746	ng/ul#	95
49) Acenaphthene	14.24	153	162227	12.164	ng/ul	96
53) Dibenzofuran	14.58	168	153016	7.652	ng/ul	89
58) Fluorene	15.23	166	245000	14.192	ng/ul	97
60) 4-Nitroaniline	15.30	138	5809	2.007	ng/ul#	45
69) Phenanthrene	16.99	178	4502640	193.312	ng/ul	99
71) Anthracene	17.07	178	737902	31.501	ng/ul	97
72) Carbazole	17.36	167	268091	13.611	ng/ul	98
73) Di-n-butylphthalate	17.91	149	90575	3.564	ng/ul	98
74) Fluoranthene	19.02	202	5260627	189.042	ng/ul#	93
77) Pyrene	19.39	202	5467868	207.754	ng/ul#	95
80) Benzo(a)anthracene	21.15	228	2570101	103.985	ng/ul	98
82) Chrysene	21.20	228	2516720	109.152	ng/ul	98
85) Benzo(b)fluoranthene	22.70	252	2847743	69.885	ng/ul#	98
86) Benzo(k)fluoranthene	22.70	252	2847743	73.505	ng/ul#	96
88) Benzo(a)pyrene	23.17	252	1420694	39.016	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.30	276	133395	3.775	ng/ul	96

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QLast Update : Mon Mar 05 23:57:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.37	278	63698	2.170	ng/ul#	72
91) Benzo(g,h,i)perylene	26.22	276	725231	25.336	ng/ul	96

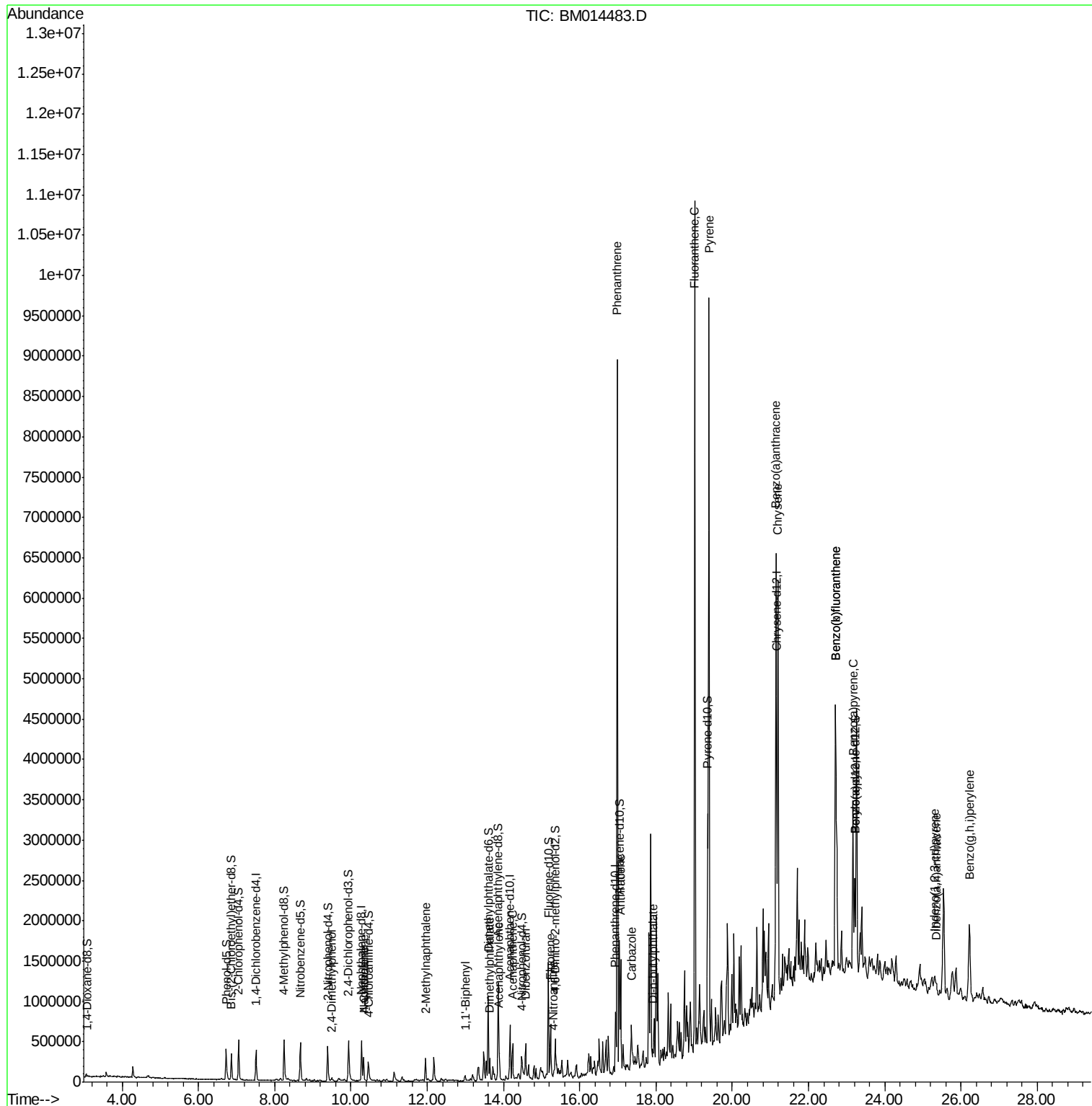
(#) = qualifier out of range (m) = manual integration (+) = signals summed

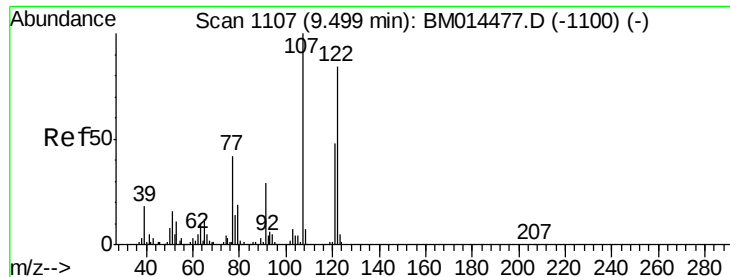
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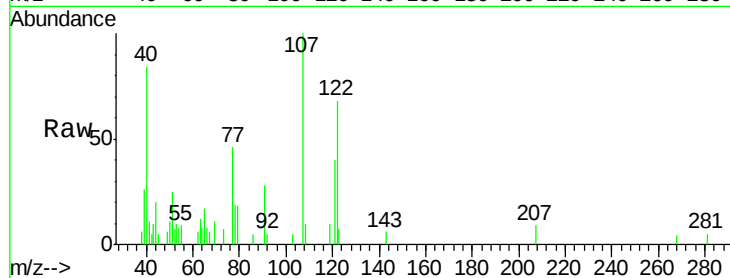




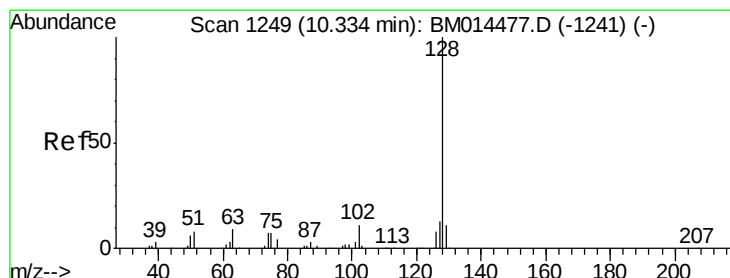
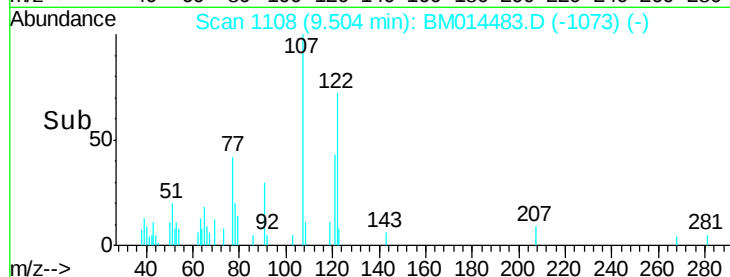
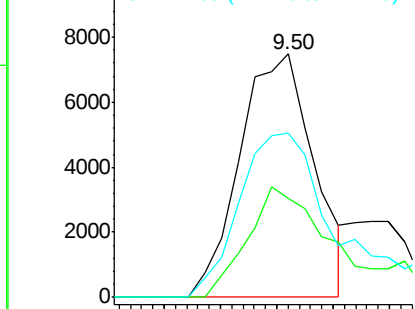
#24
2,4-Dimethylphenol
Concen: 1.941 ng/ul
RT: 9.50 min Scan# 1108
Delta R.T. 0.01 min
Lab File: BM014483.D
Acq: 05 Mar 2018 21:24

Instrument :
BNA_M
ClientSampled :

Tot Ion:107 Resp: 13614
Ion Ratio Lower Upper
107 100
121 40.5 31.9 47.9
122 67.6 57.8 86.6

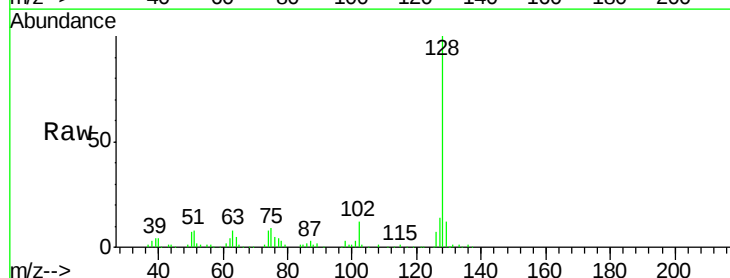


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E
Ion 122.00 (121.70 to 122.70): E

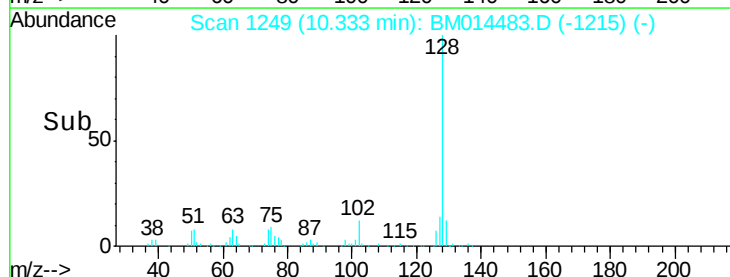
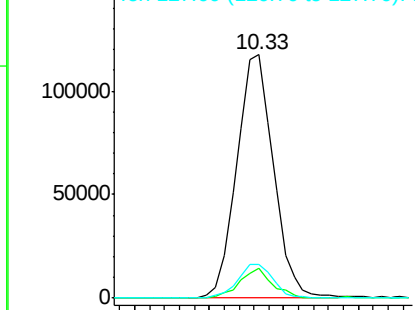


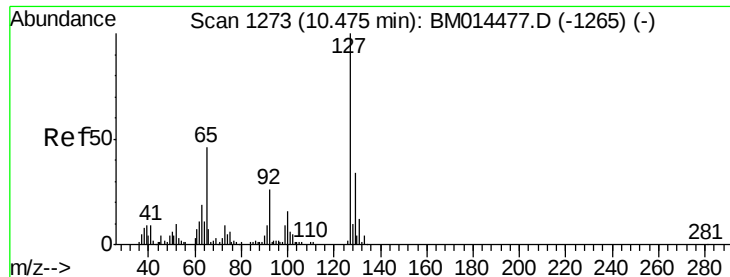
#28
Naphthalene
Concen: 11.353 ng/ul
RT: 10.33 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BM014483.D
Acq: 05 Mar 2018 21:24

Tgt Ion:128 Resp: 201405
Ion Ratio Lower Upper
128 100
129 12.1 8.8 13.2
127 13.9 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

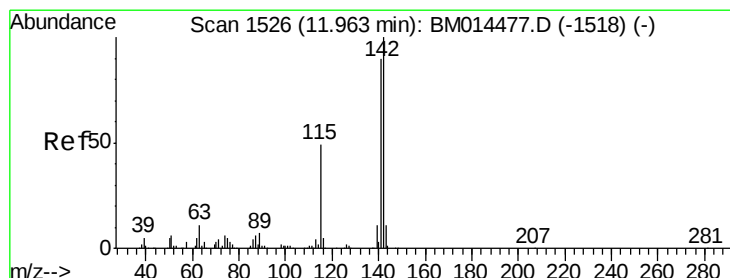
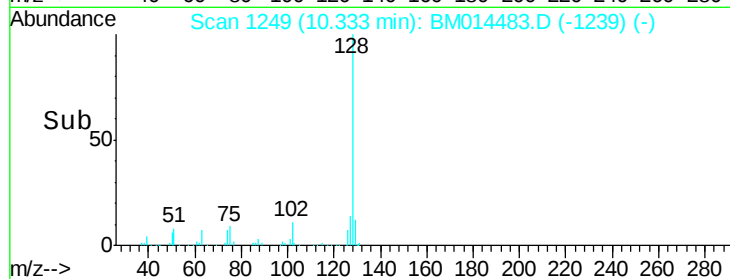
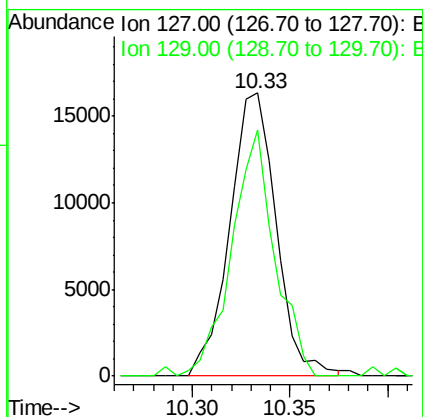
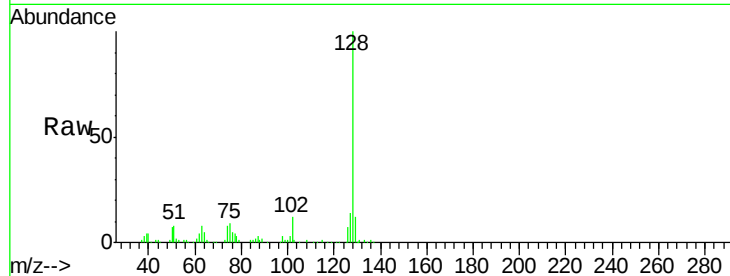




#30
 4-Chloroaniline
 Concen: 4.911 ng/ul
 RT: 10.33 min Scan# 1249
 Delta R.T. -0.14 min
 Lab File: BM014483.D
 Acq: 05 Mar 2018 21:24

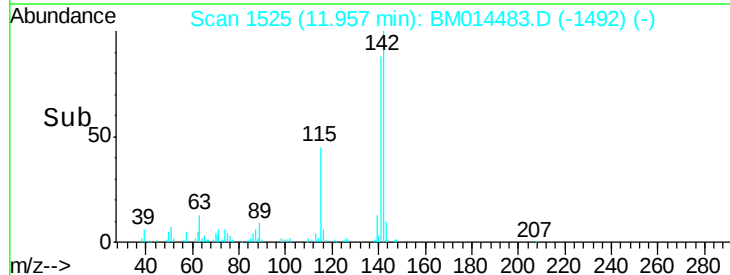
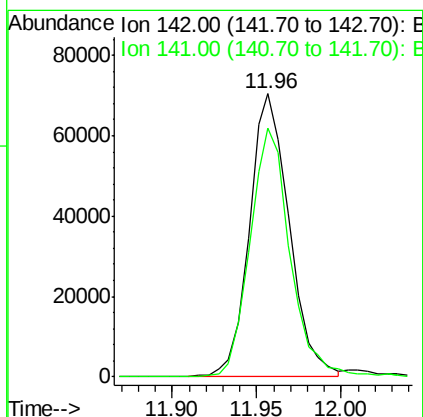
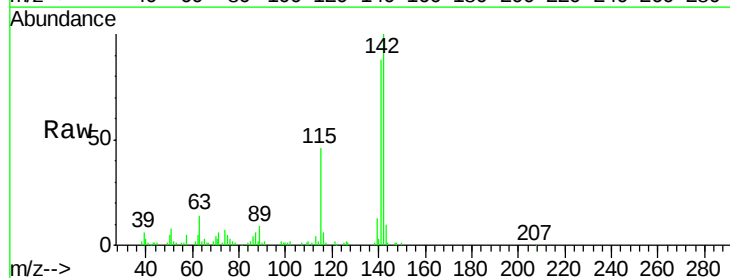
Instrument :
 BNA_M
 ClientSampleId :

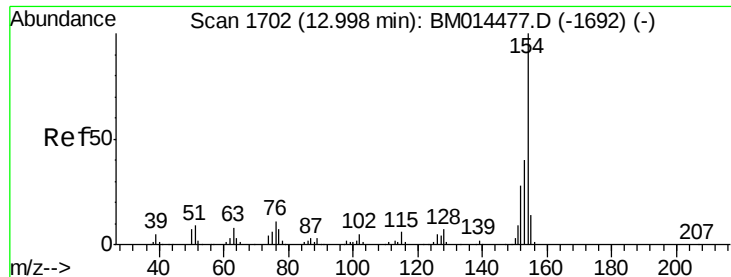
Tot Ion:127 Resp: 27003
 Ion Ratio Lower Upper
 127 100
 129 87.2 28.4 42.6#



#34
 2-Methylnaphthalene
 Concen: 8.506 ng/ul
 RT: 11.96 min Scan# 1525
 Delta R.T. -0.01 min
 Lab File: BM014483.D
 Acq: 05 Mar 2018 21:24

Tgt Ion:142 Resp: 114850
 Ion Ratio Lower Upper
 142 100
 141 87.7 74.1 111.1

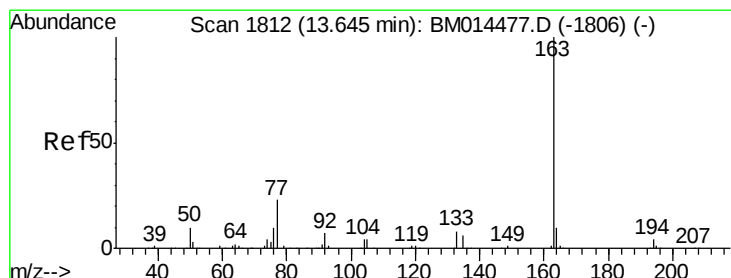
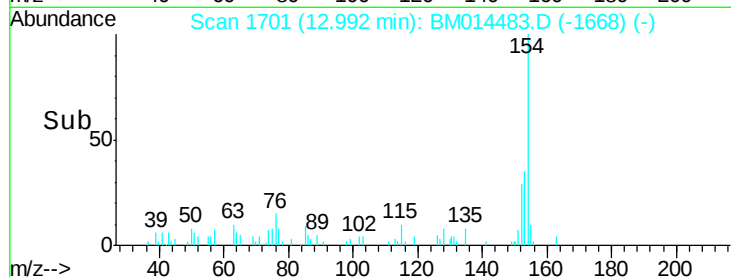
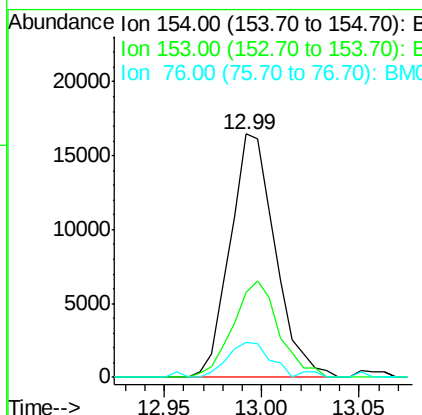
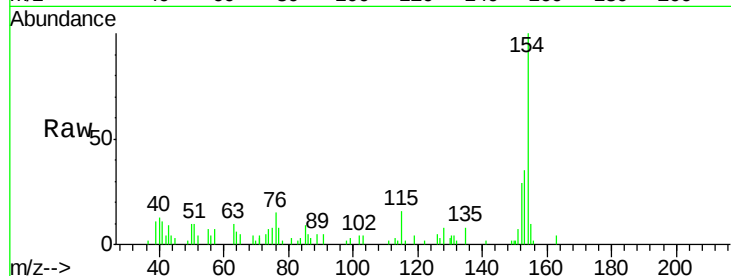




#40
 1,1'-Biphenyl
 Concen: 1.737 ng/ul
 RT: 12.99 min Scan# 1701
 Delta R.T. -0.01 min
 Lab File: BM014483.D
 Acq: 05 Mar 2018 21:24

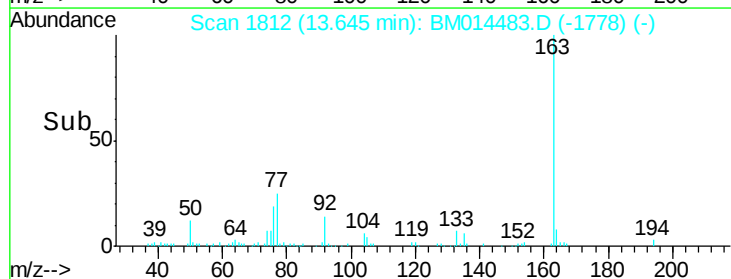
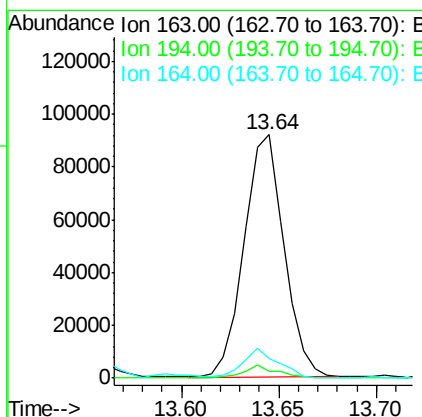
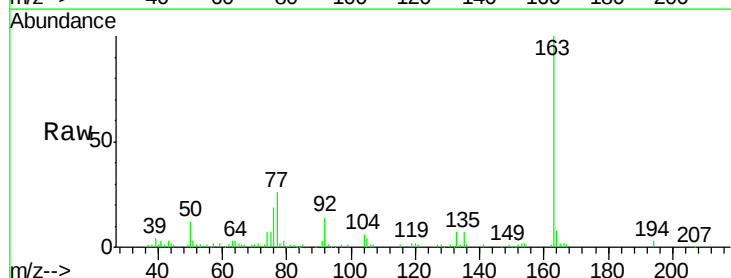
Instrument :
 BNA_M
 ClientSampleId :

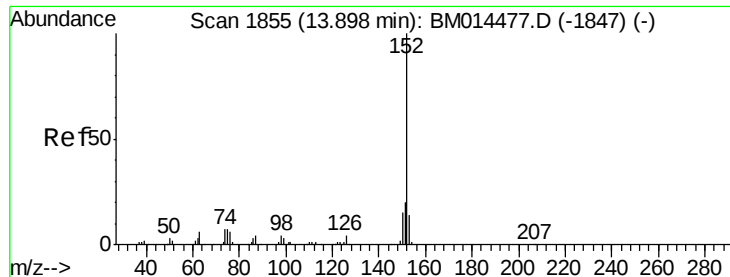
Tot Ion	Ratio	Lower	Upper
154	100		
153	35.1	32.6	48.8
76	14.6	8.5	12.7#



#44
 Dimethylphthalate
 Concen: 8.142 ng/ul
 RT: 13.64 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: BM014483.D
 Acq: 05 Mar 2018 21:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	3.5	5.3#
164	8.0	8.2	12.4#





#47

Acenaphthylene

Concen: 6.746 ng/ul

RT: 13.89 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Instrument :

BNA_M

ClientSampleId :

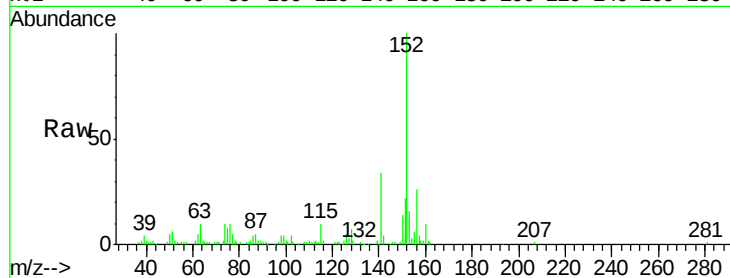
Tot Ion:152 Resp: 127765

Ion Ratio Lower Upper

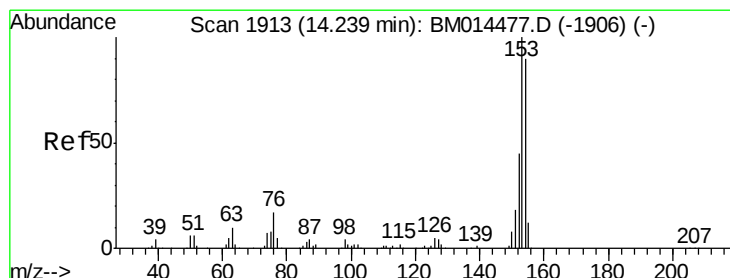
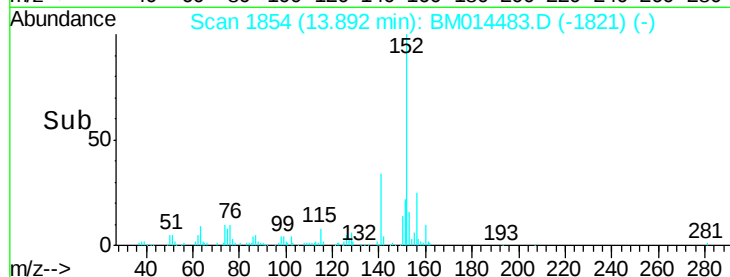
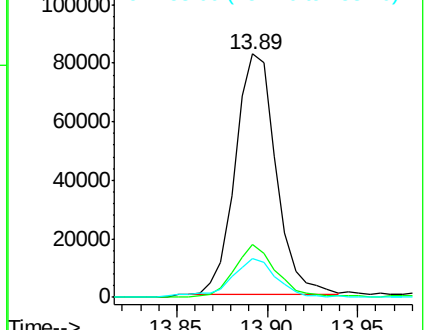
152 100

151 21.9 16.3 24.5

153 15.7 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: 12.164 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

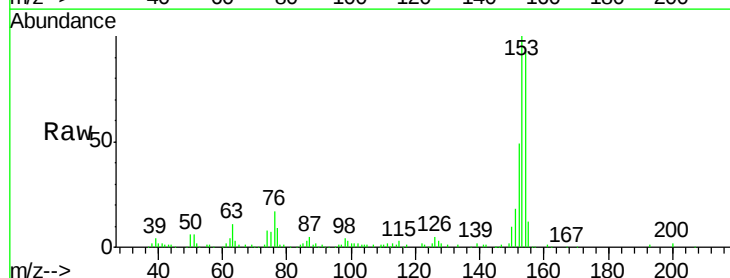
Tgt Ion:153 Resp: 162227

Ion Ratio Lower Upper

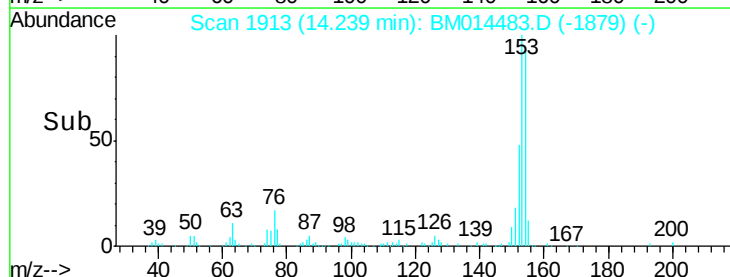
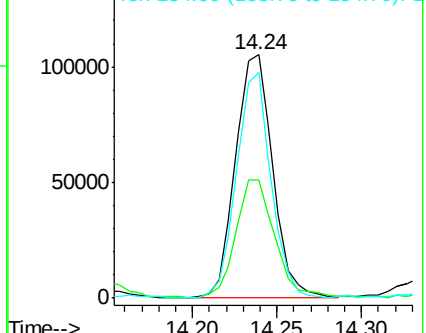
153 100

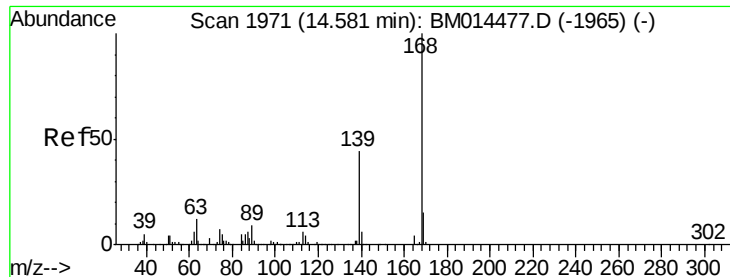
152 48.5 37.6 56.4

154 92.9 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

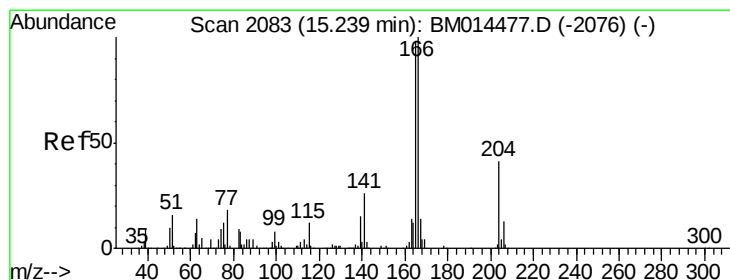
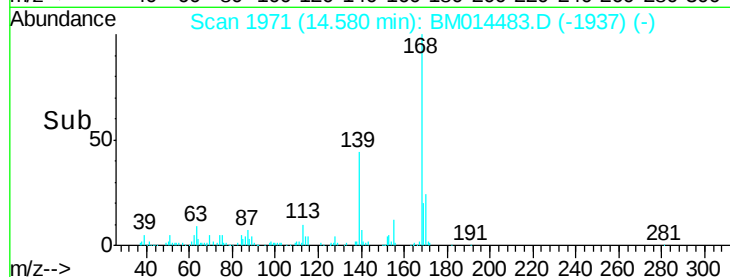
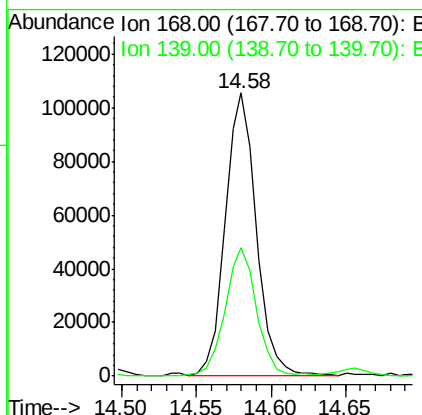
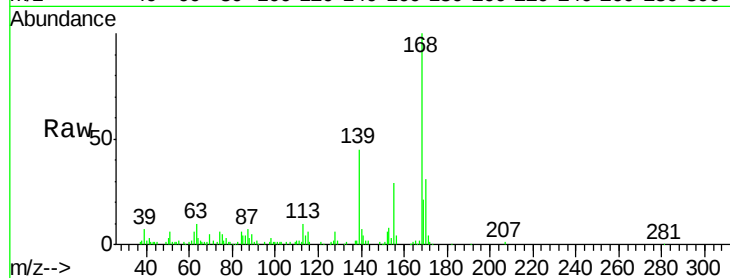




#53
Dibenzo(f,h)quinoxaline
Concen: 7.652 ng/ul
RT: 14.58 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BM014483.D
Acq: 05 Mar 2018 21:24

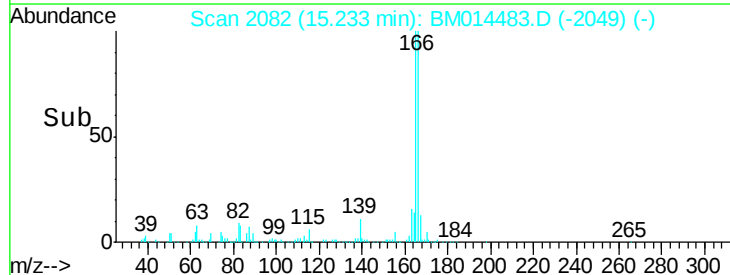
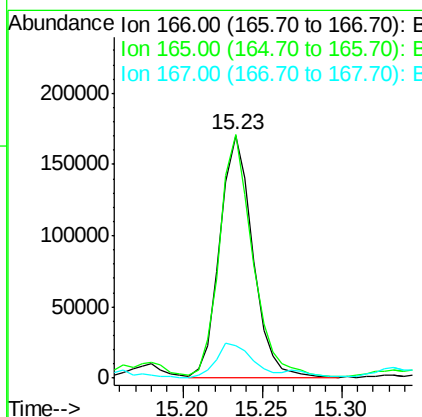
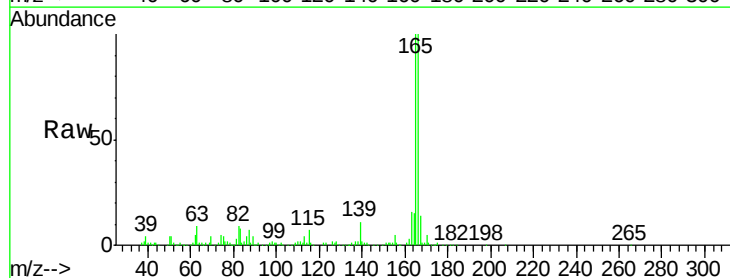
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BNA_M
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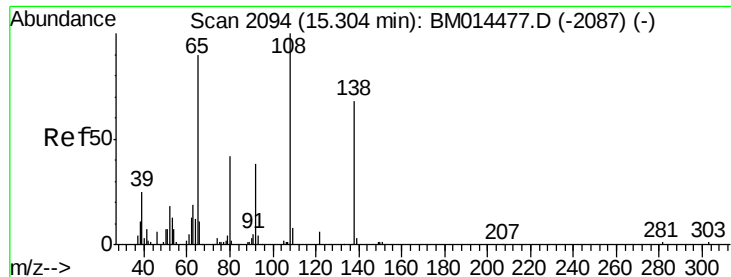
Tot Ion:168 Resp: 153016
Ion Ratio Lower Upper
168 100
139 45.3 30.8 46.2



#58
Fluorene
Concen: 14.192 ng/ul
RT: 15.23 min Scan# 2082
Delta R.T. -0.01 min
Lab File: BM014483.D
Acq: 05 Mar 2018 21:24

Tgt Ion:166 Resp: 245000
Ion Ratio Lower Upper
166 100
165 100.3 77.9 116.9
167 13.6 10.6 16.0





#60

4-Nitroaniline

Concen: 2.007 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. -0.00 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Instrument :

BNA_M

ClientSampled :

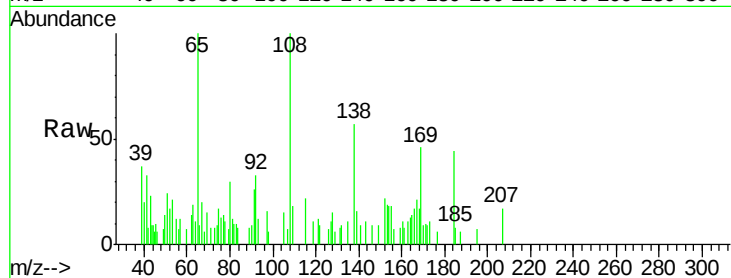
Tot Ion:138 Resp: 5809

Ion Ratio Lower Upper

138 100

92 57.9 40.0 60.0

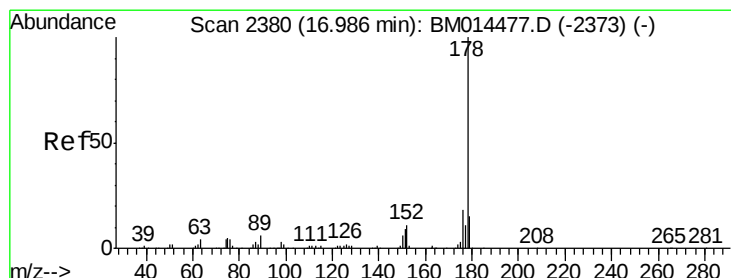
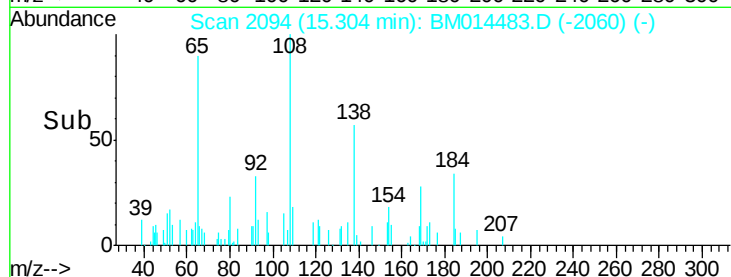
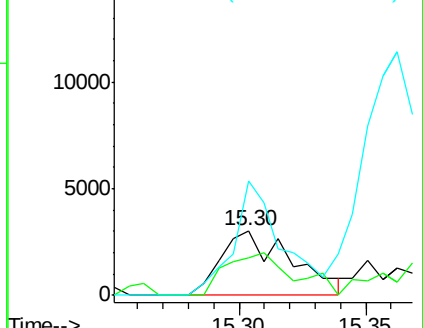
108 176.1 80.0 120.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): E

Ion 108.00 (107.70 to 108.70): E



#69

Phenanthrene

Concen: 193.312 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. -0.00 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

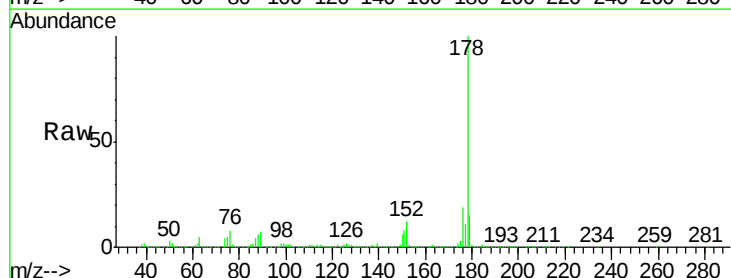
Tgt Ion:178 Resp: 4502640

Ion Ratio Lower Upper

178 100

179 14.9 12.6 19.0

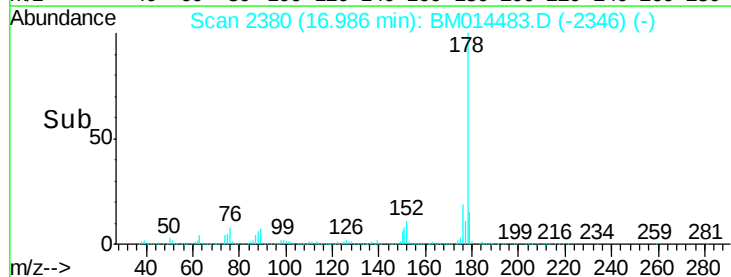
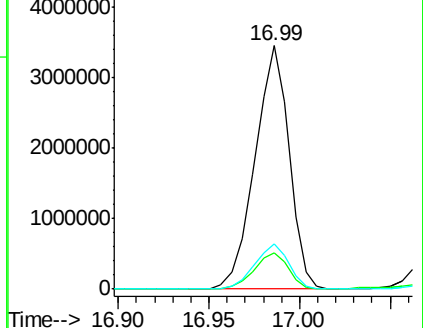
176 18.5 14.9 22.3

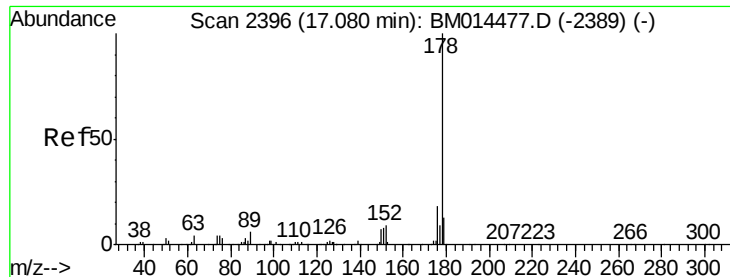


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

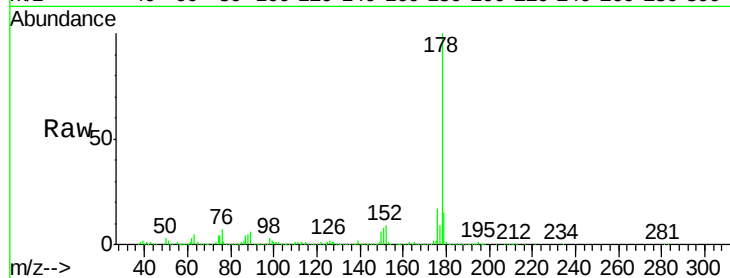




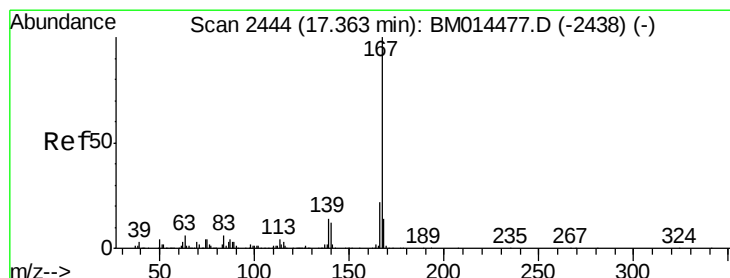
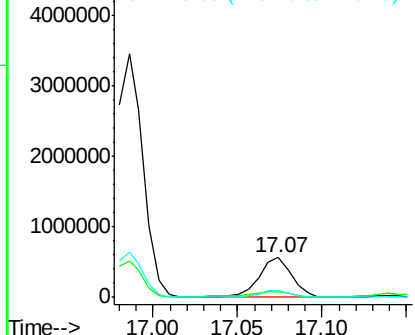
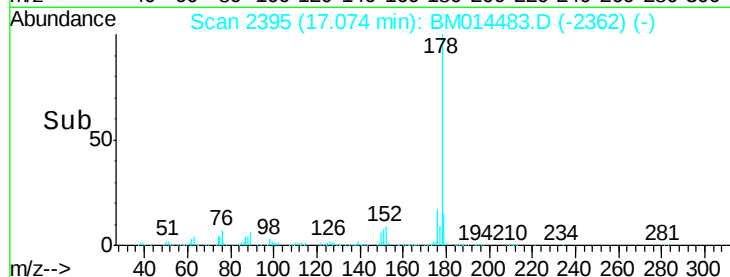
#71
 Anthracene
 Concen: 31.501 ng/ul
 RT: 17.07 min Scan# 2395
 Delta R.T. -0.01 min
 Lab File: BM014483.D
 Acq: 05 Mar 2018 21:24

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:178 Resp: 737902
 Ion Ratio Lower Upper
 178 100
 179 15.3 11.7 17.5
 176 16.8 14.6 21.8

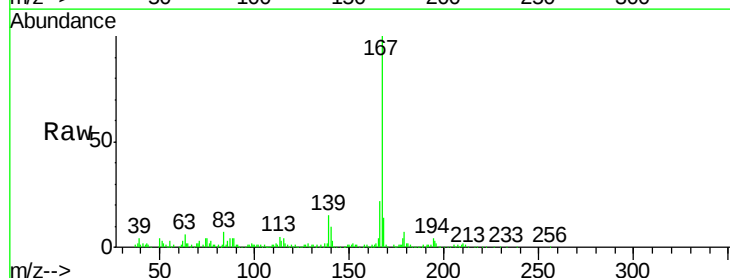


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

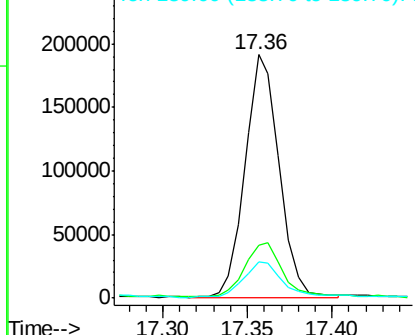
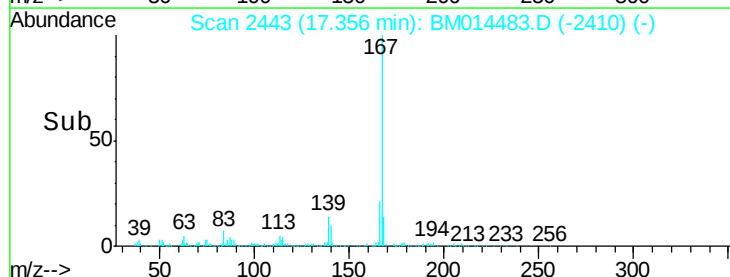


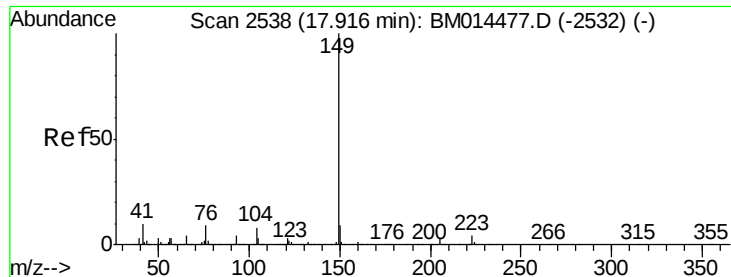
#72
 Carbazole
 Concen: 13.611 ng/ul
 RT: 17.36 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BM014483.D
 Acq: 05 Mar 2018 21:24

Tgt Ion:167 Resp: 268091
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.1 25.7
 139 14.9 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





#73

Di-n-butylphthalate

Concen: 3.564 ng/ul

RT: 17.91 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Instrument :

BNA_M

ClientSampleId :

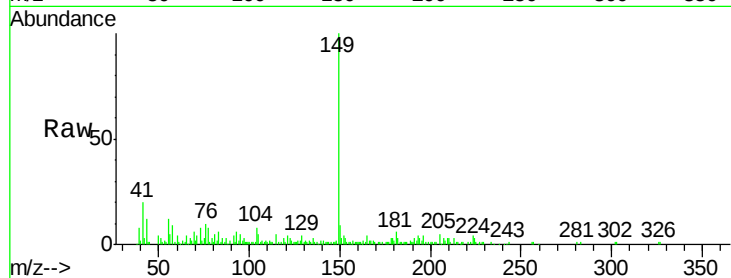
Tot Ion:149 Resp: 90575

Ion Ratio Lower Upper

149 100

150 9.1 7.1 10.7

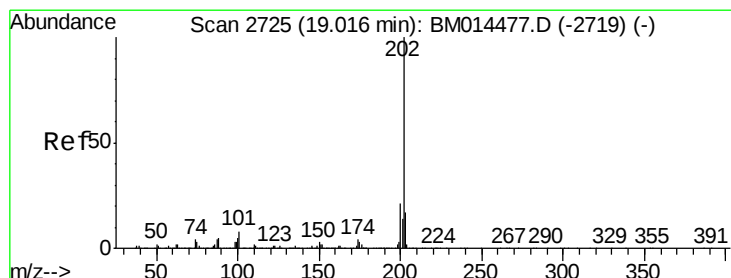
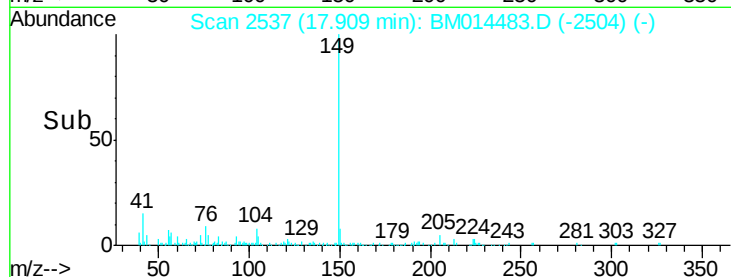
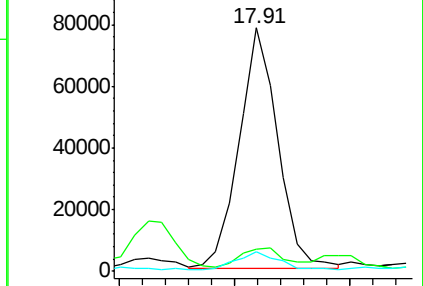
104 8.0 5.6 8.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 189.042 ng/ul

RT: 19.02 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

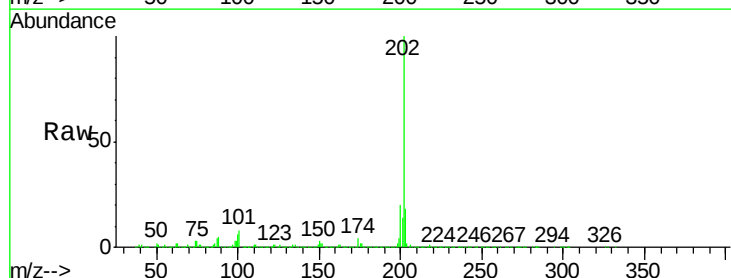
Tgt Ion:202 Resp: 5260627

Ion Ratio Lower Upper

202 100

101 8.4 4.6 7.0#

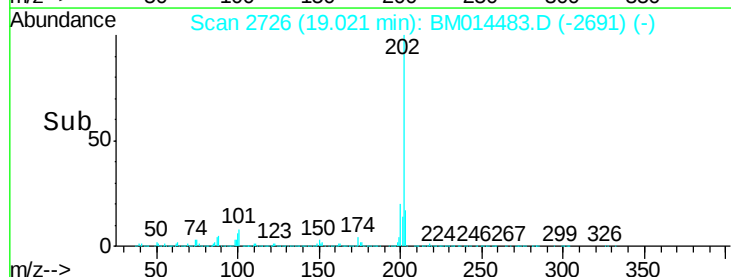
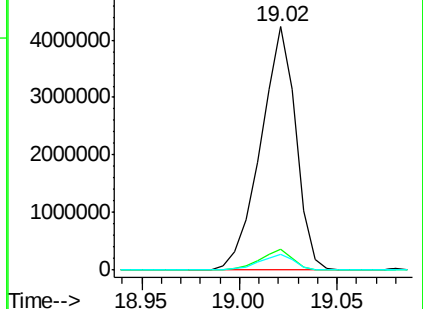
100 6.3 3.4 5.2#

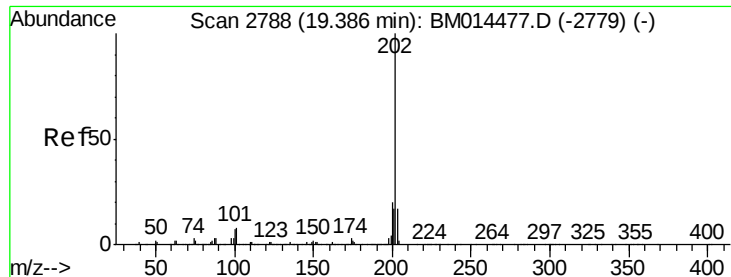


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 207.754 ng/ul

RT: 19.39 min Scan# 2789

Delta R.T. 0.01 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Instrument :

BNA_M

ClientSampleId :

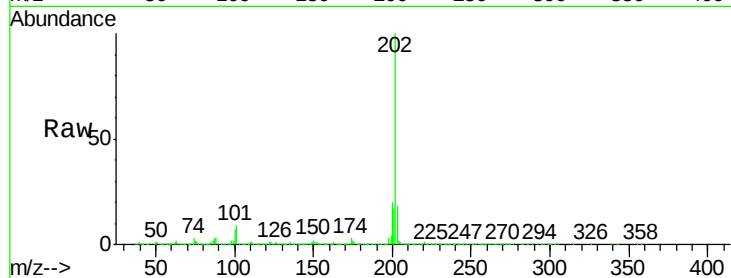
Tot Ion:202 Resp: 5467868

Ion Ratio Lower Upper

202 100

101 8.6 5.1 7.7#

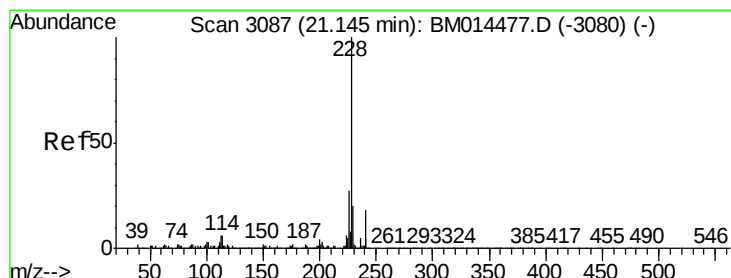
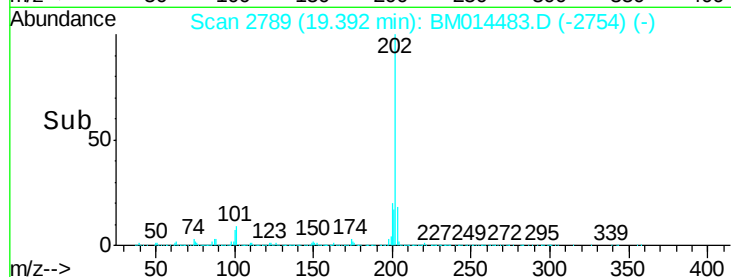
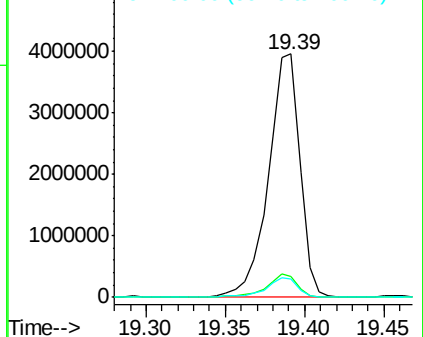
100 7.4 4.9 7.3#



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): B



#80

Benzo(a)anthracene

Concen: 103.985 ng/ul

RT: 21.15 min Scan# 3088

Delta R.T. 0.01 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

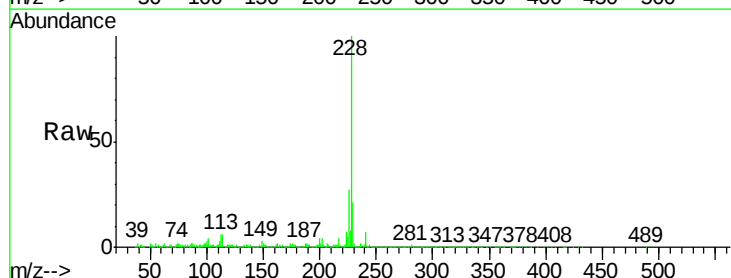
Tgt Ion:228 Resp: 2570101

Ion Ratio Lower Upper

228 100

229 20.9 15.4 23.0

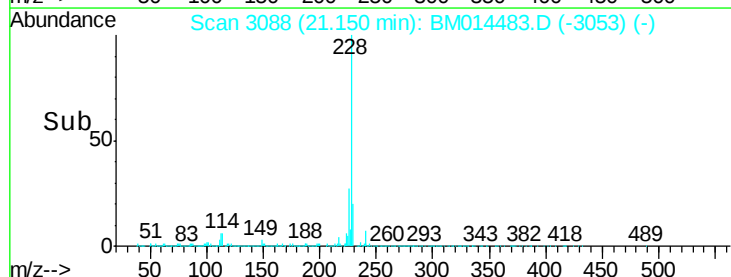
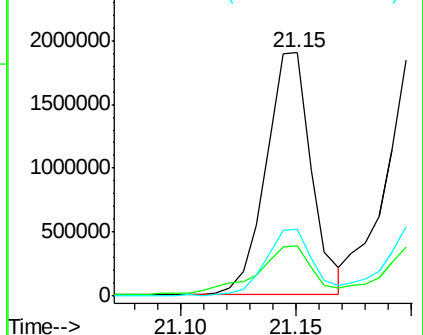
226 27.4 21.4 32.0

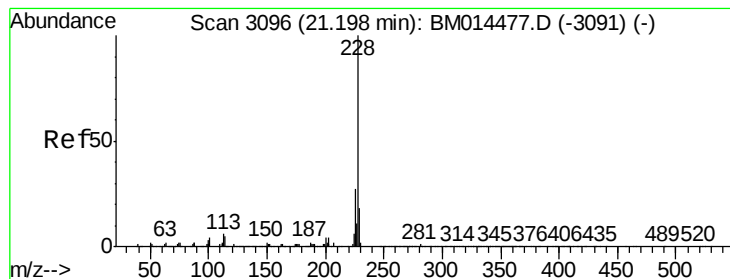


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 109.152 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

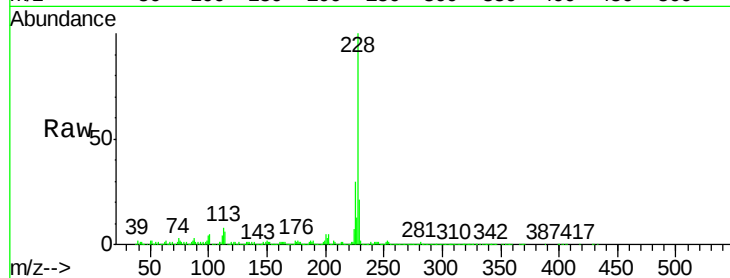
Instrument :

BNA_M

ClientSampled :

Tot Ion:228 Resp: 2516720

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.2
229	20.9	15.5	23.3

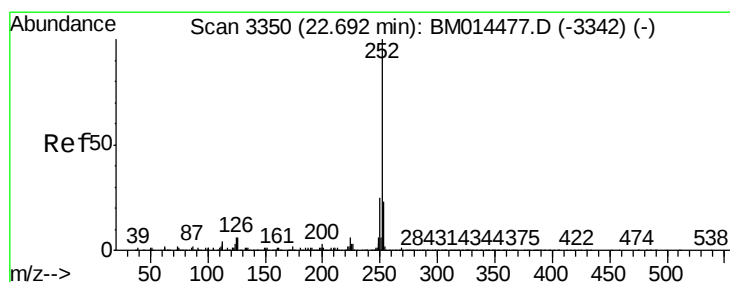
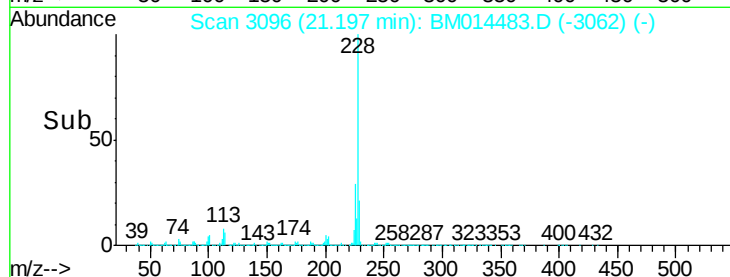
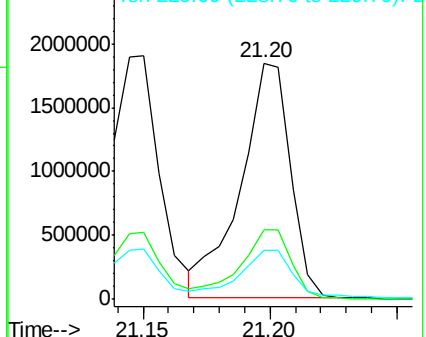


Abundance

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: 69.885 ng/ul

RT: 22.70 min Scan# 3352

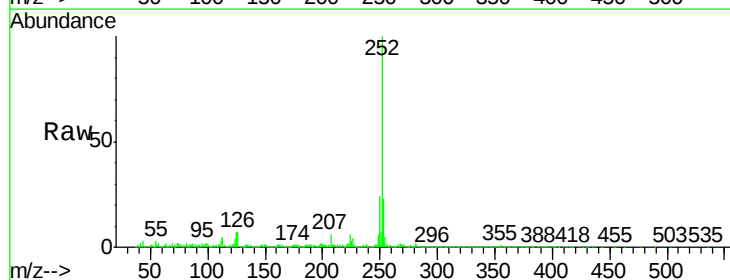
Delta R.T. 0.01 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Tgt Ion:252 Resp: 2847743

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	7.2	3.6	5.4

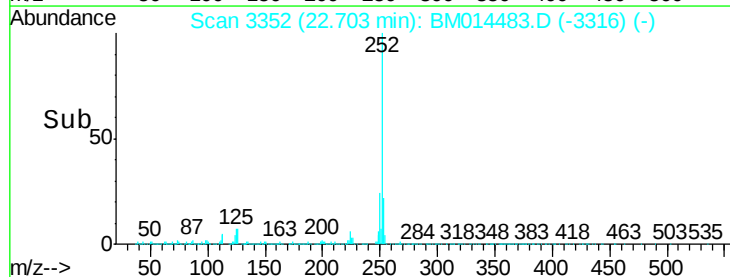
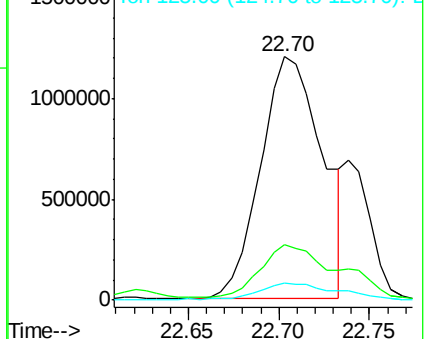


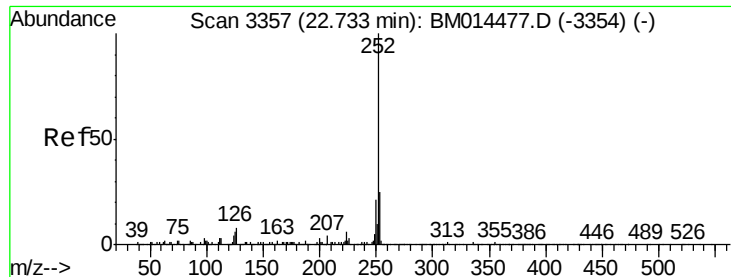
Abundance

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

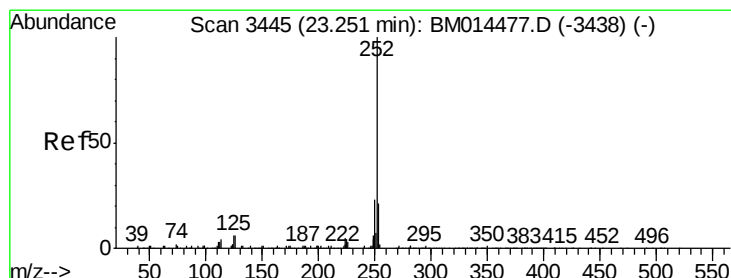
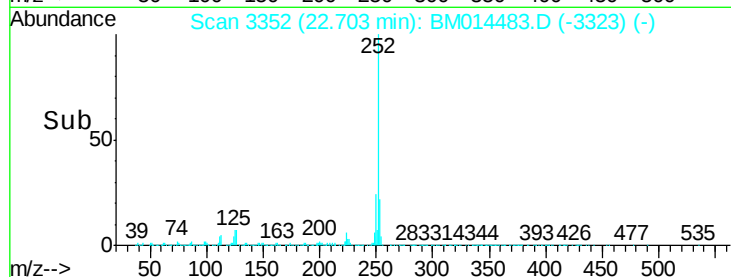
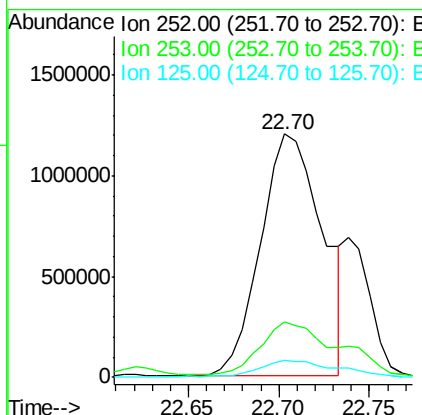
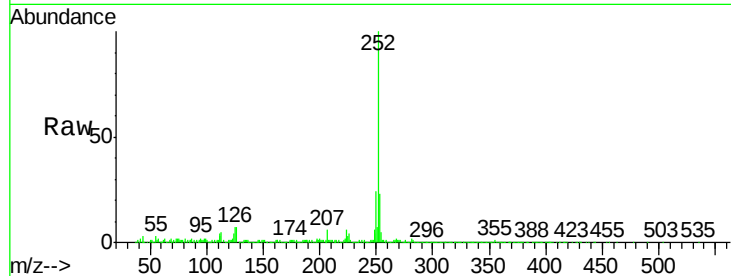




#86
Benzo(k)fluoranthene
Concen: 73.505 ng/ul
RT: 22.70 min Scan# 3352
Delta R.T. -0.03 min
Lab File: BM014483.D
Acq: 05 Mar 2018 21:24

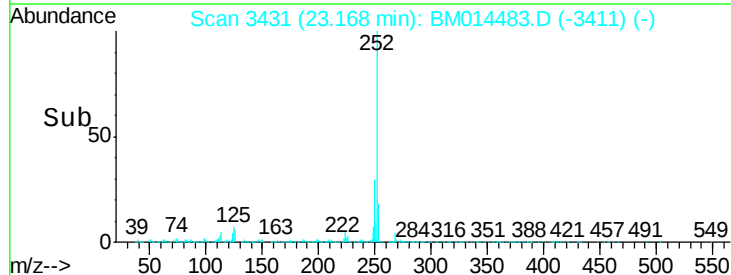
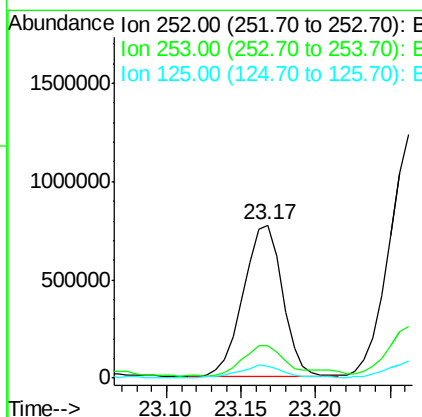
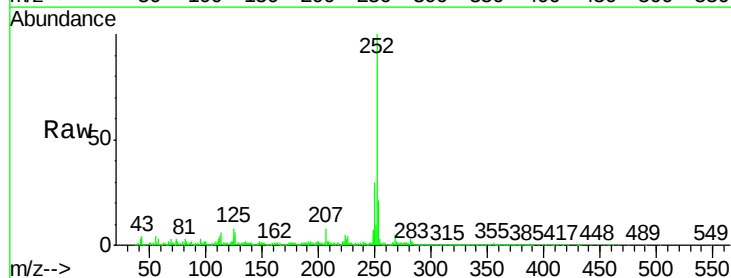
Instrument :
BNA_M
ClientSampleId :

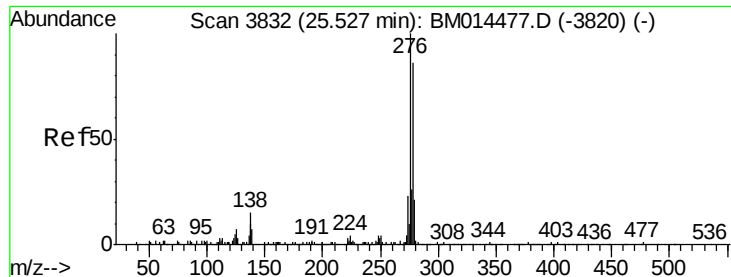
Tot Ion:252 Resp: 2847743
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 7.2 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 39.016 ng/ul
RT: 23.17 min Scan# 3431
Delta R.T. -0.08 min
Lab File: BM014483.D
Acq: 05 Mar 2018 21:24

Tgt Ion:252 Resp: 1420694
Ion Ratio Lower Upper
252 100
253 21.4 18.2 27.2
125 8.0 4.0 6.0#



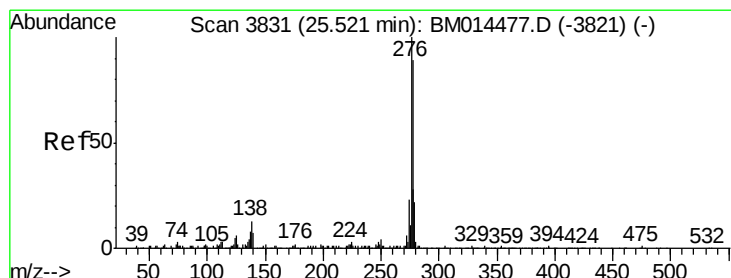
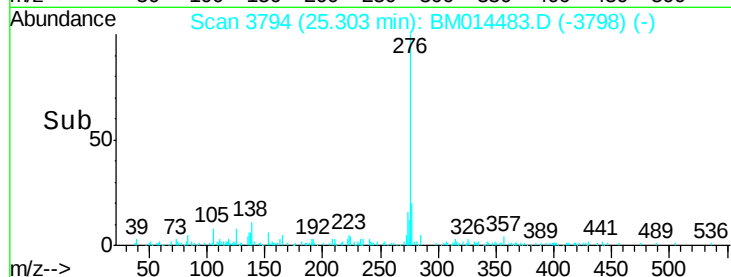
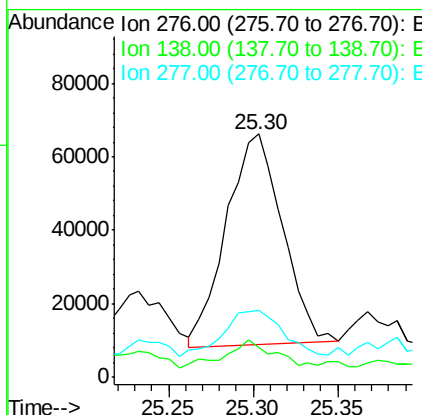
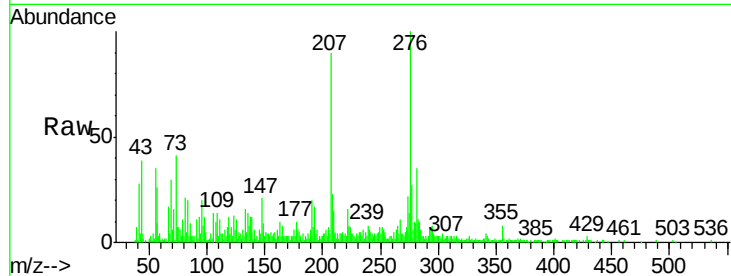


#89

Indeno(1,2,3-cd)pyrene
Concen: 3.775 ng/ul
RT: 25.30 min Scan# 3794
Delta R.T. -0.22 min
Lab File: BM014483.D
Acq: 05 Mar 2018 21:24

Instrument :
BNA_M
ClientSampleId :

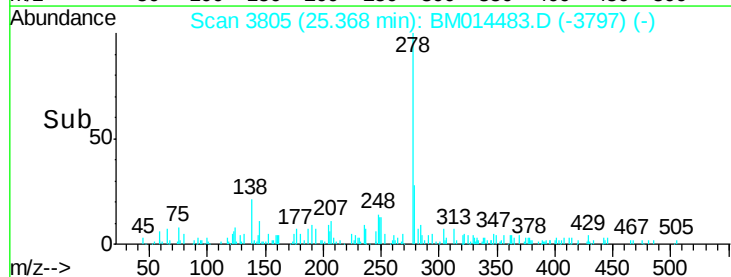
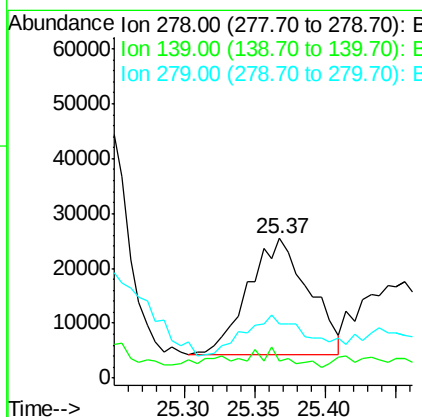
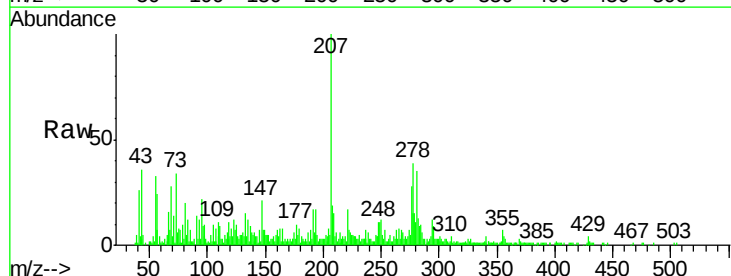
Tot Ion	Ratio	Lower	Upper
276	100		
138	12.2	9.3	13.9
277	27.3	19.9	29.9

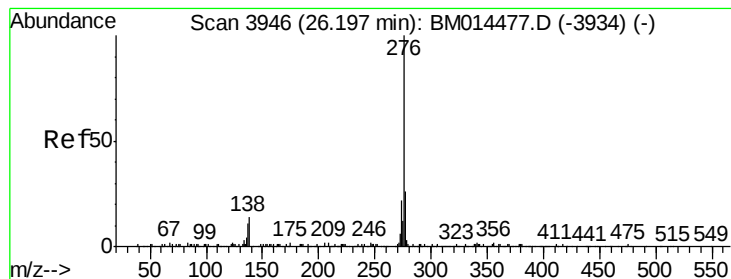


#90

Dibenzo(a,h)anthracene
Concen: 2.170 ng/ul
RT: 25.37 min Scan# 3805
Delta R.T. -0.15 min
Lab File: BM014483.D
Acq: 05 Mar 2018 21:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.9	5.8	8.8#
279	39.3	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 25.336 ng/ul

RT: 26.22 min Scan# 3950

Delta R.T. 0.02 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 725231

Ion Ratio Lower Upper

276 100

138 12.6 8.5 12.7

277 25.0 18.6 28.0

