

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014485.D
 Acq On : 05 Mar 2018 22:35
 Operator : SJ/JU
 Sample : J1678-09DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 06 00:00:41 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	101126	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	378228	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	213313	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	439675	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	389467	20.00	ng/ul	0.00
83) Perylene-d12	23.34	264	377533	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	1902	0.81	ng/uL	0.00
5) Phenol-d5	6.75	99	40082	4.69	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.87	67	27901	5.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	35006	5.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	25348	3.39	ng/ul	0.01
19) Nitrobenzene-d5	8.69	128	17192	6.15	ng/ul	0.01
22) 2-Nitrophenol-d4	9.39	143	10929	3.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	778	0.13	ng/ul	0.15
29) 4-Chloroaniline-d4	10.47	131	5555	0.94	ng/ul	0.02
43) Dimethylphthalate-d6	13.60	166	114600	6.51	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	147071	6.77	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	2894	1.19	ng/ul	0.04
57) Fluorene-d10	15.18	176	101768	6.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	3059	1.16	ng/ul	0.01
70) Anthracene-d10	17.04	188	149965	7.07	ng/ul	0.00
76) Pyrene-d10	19.34	212	154550	7.69	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	127397	6.93	ng/ul	0.00

Target Compounds

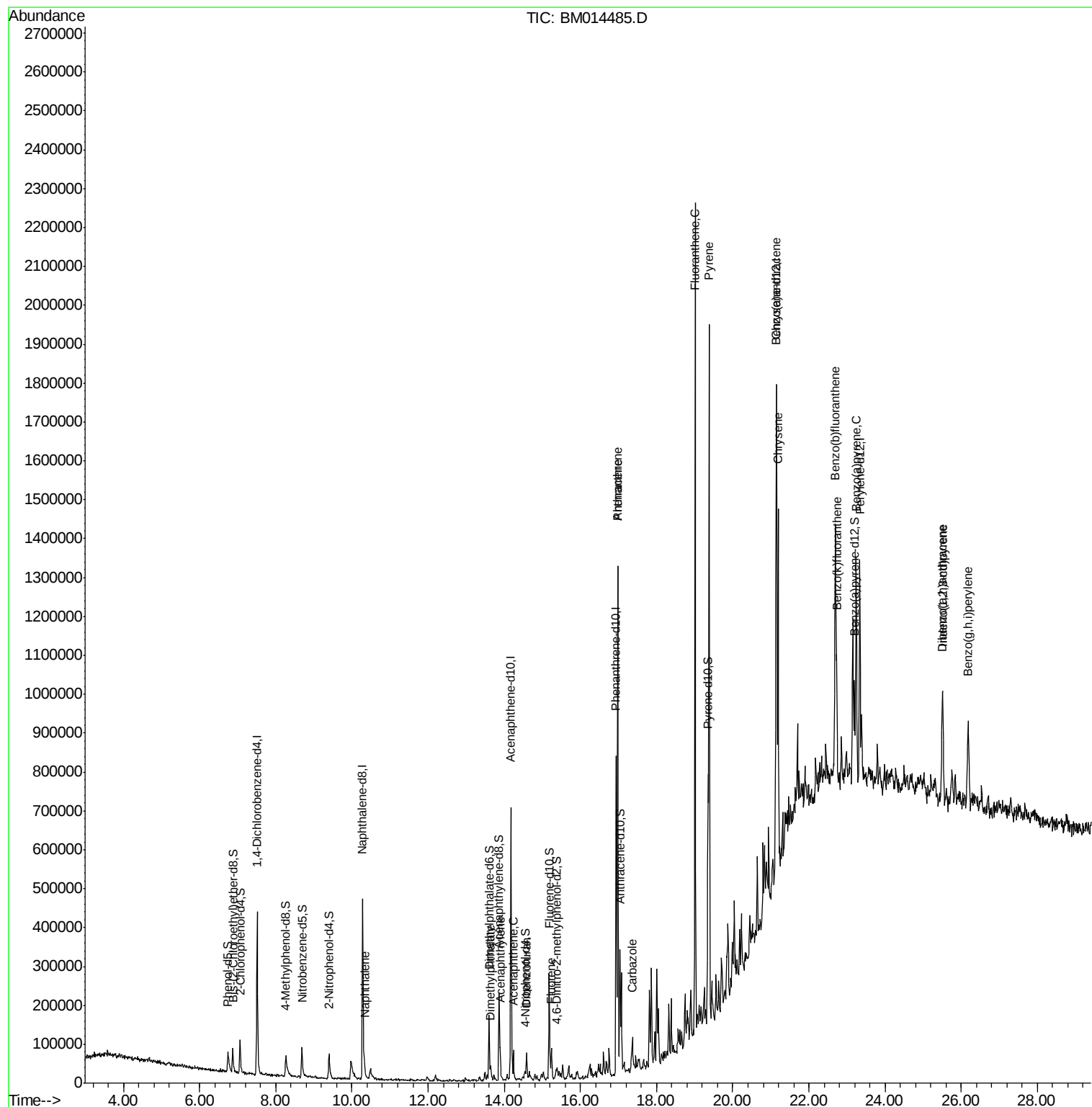
					Ovalue	
28) Naphthalene	10.34	128	21946	1.130	ng/ul#	92
44) Dimethylphthalate	13.65	163	18008	1.037	ng/ul#	97
47) Acenaphthylene	13.90	152	43612	2.124	ng/ul	96
49) Acenaphthene	14.24	153	29375	2.032	ng/ul	96
53) Dibenzofuran	14.59	168	27395	1.264	ng/ul#	87
58) Fluorene	15.24	166	31487	1.683	ng/ul#	92
69) Phenanthrene	16.98	178	710830	28.060	ng/ul	98
71) Anthracene	16.98	178	710830	27.902	ng/ul	99
72) Carbazole	17.36	167	50993	2.380	ng/ul	97
74) Fluoranthene	19.01	202	1139838	37.661	ng/ul#	96
77) Pyrene	19.38	202	1024021	39.564	ng/ul#	96
80) Benzo(a)anthracene	21.14	228	492292	20.253	ng/ul	98
82) Chrysene	21.19	228	420155	18.529	ng/ul	98
85) Benzo(b)fluoranthene	22.69	252	536425	21.220	ng/ul#	95
86) Benzo(k)fluoranthene	22.73	252	135725	5.647	ng/ul#	98
88) Benzo(a)pyrene	23.24	252	381594	16.893	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.52	276	250235	11.416	ng/ul	97
90) Dibenzo(a,h)anthracene	25.50	278	81152	4.455	ng/ul#	85
91) Benzo(g,h,i)perylene	26.19	276	221579	12.478	ng/ul#	96

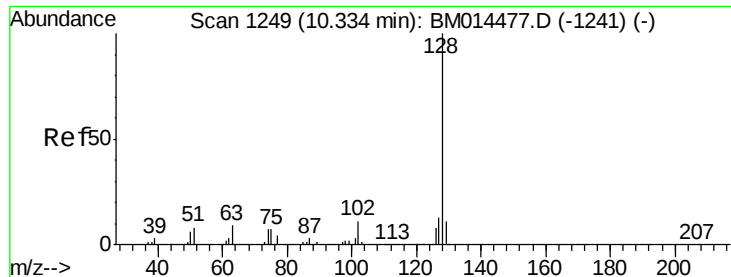
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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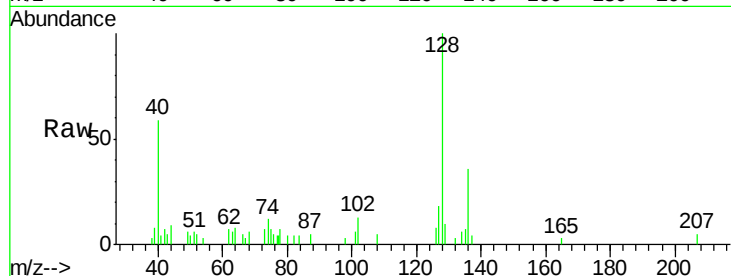




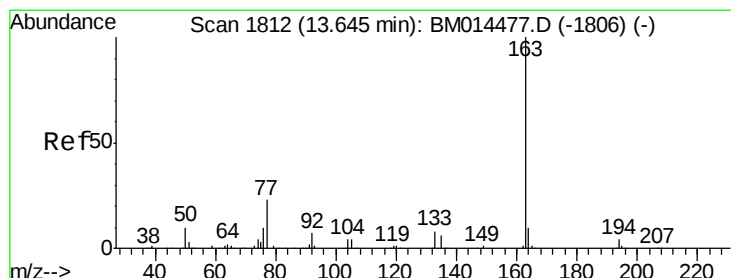
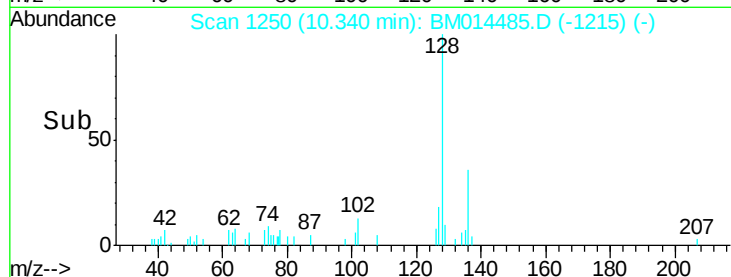
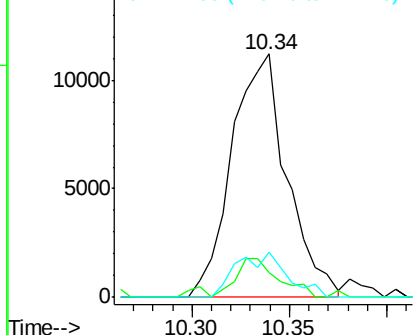
#28
Naphthalene
Concen: 1.130 ng/ul
RT: 10.34 min Scan# 1250
Delta R.T. 0.01 min
Lab File: BM014485.D
Acq: 05 Mar 2018 22:35

Instrument :
BNA_M
ClientSampleId :

Tot Ion:128 Resp: 21946
Ion Ratio Lower Upper
128 100
129 10.0 8.8 13.2
127 18.5 10.6 16.0#

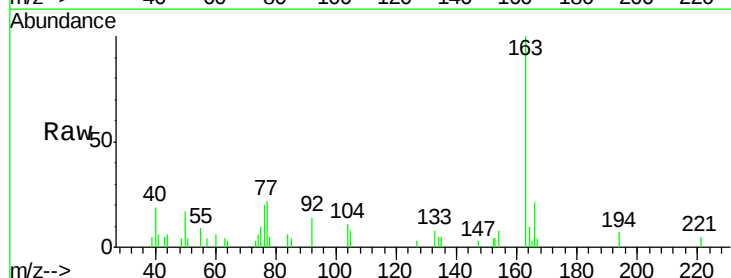


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

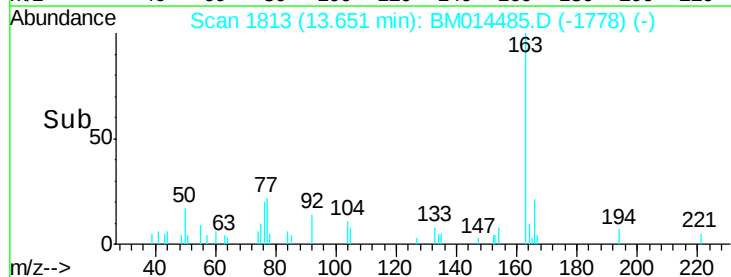
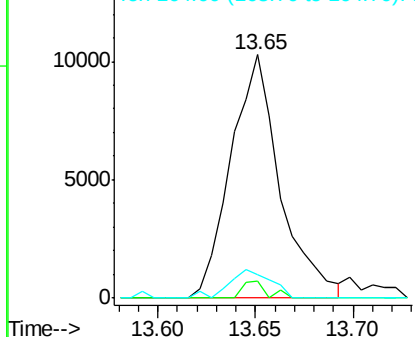


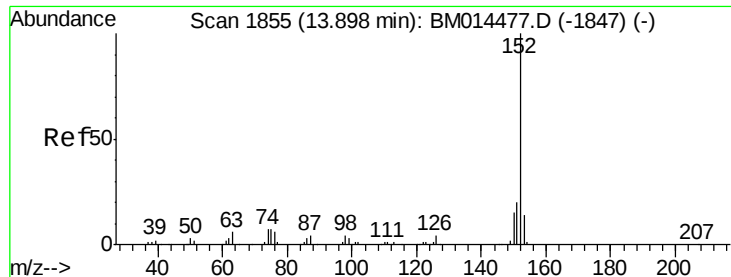
#44
Dimethylphthalate
Concen: 1.037 ng/ul
RT: 13.65 min Scan# 1813
Delta R.T. 0.01 min
Lab File: BM014485.D
Acq: 05 Mar 2018 22:35

Tgt Ion:163 Resp: 18008
Ion Ratio Lower Upper
163 100
194 6.8 3.5 5.3#
164 9.7 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 2.124 ng/ul

RT: 13.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

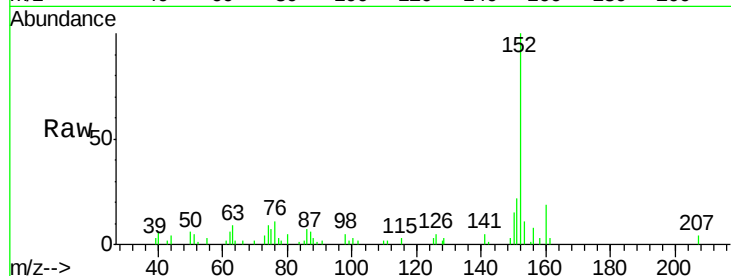
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 43612

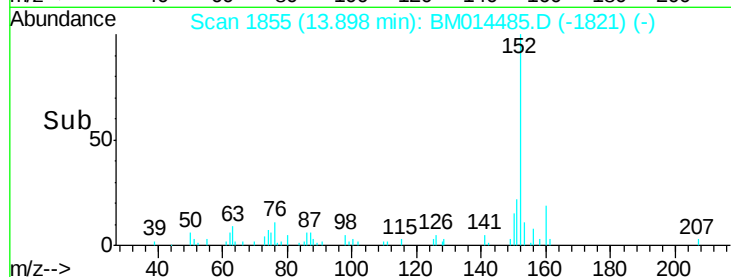
Ion	Ratio	Lower	Upper
152	100		
151	21.8	16.3	24.5
153	11.0	10.2	15.4



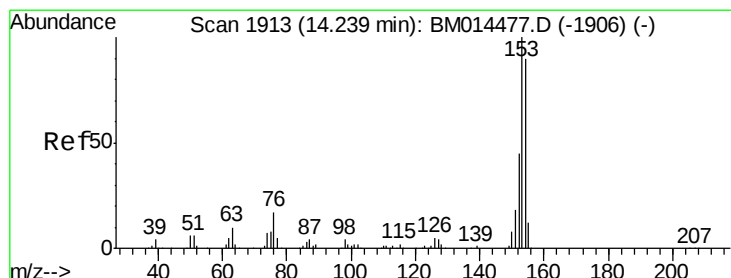
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#49

Acenaphthene

Concen: 2.032 ng/ul

RT: 14.24 min Scan# 1913

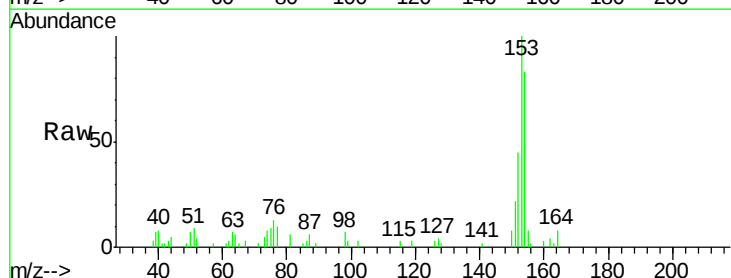
Delta R.T. -0.00 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

Tgt Ion:153 Resp: 29375

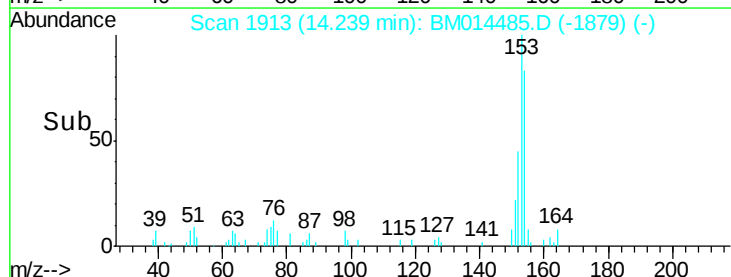
Ion	Ratio	Lower	Upper
153	100		
152	45.3	37.6	56.4
154	83.0	70.4	105.6



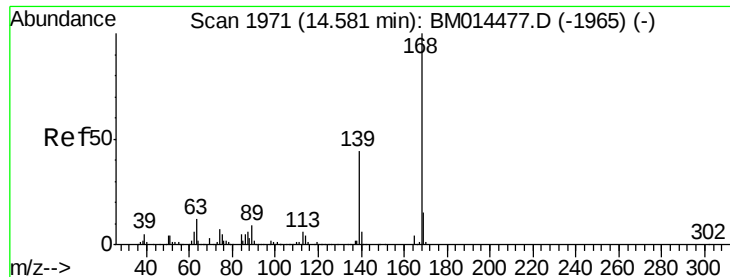
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#53

Dibenzofuran

Concen: 1.264 ng/ul

RT: 14.59 min Scan# 1972

Delta R.T. 0.01 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

Instrument :

BNA_M

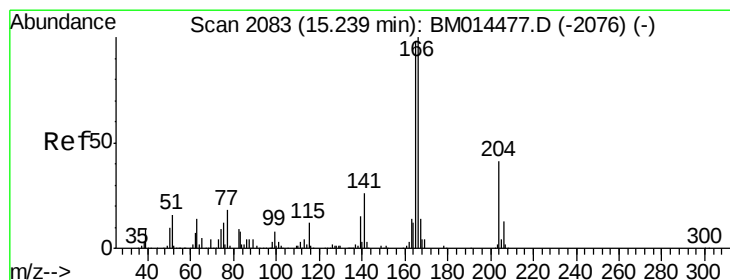
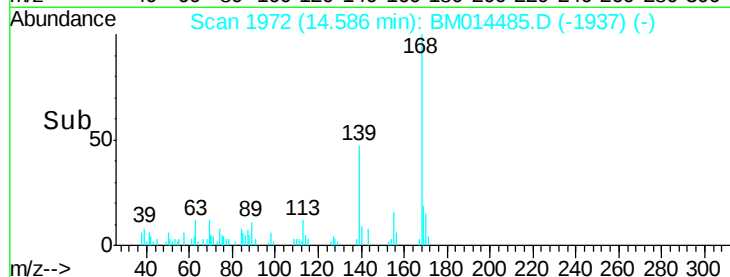
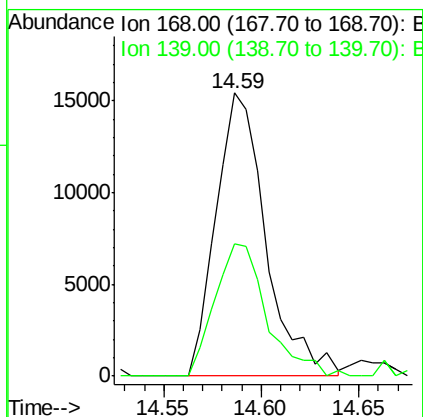
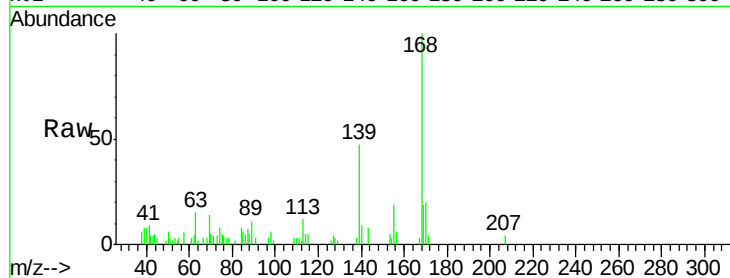
ClientSampleId :

Tot Ion:168 Resp: 27395

Ion Ratio Lower Upper

168 100

139 46.6 30.8 46.2#



#58

Fluorene

Concen: 1.683 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

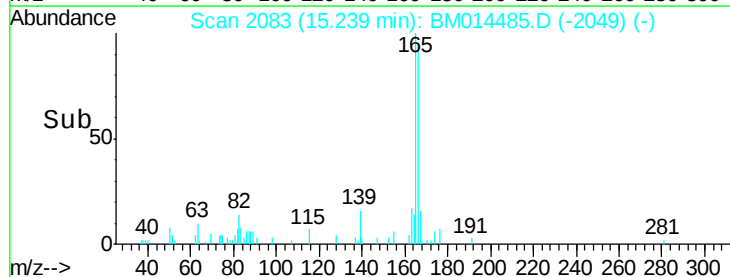
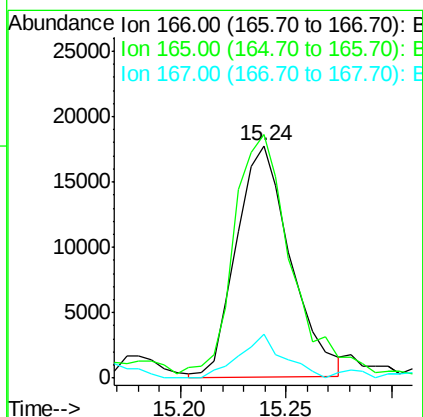
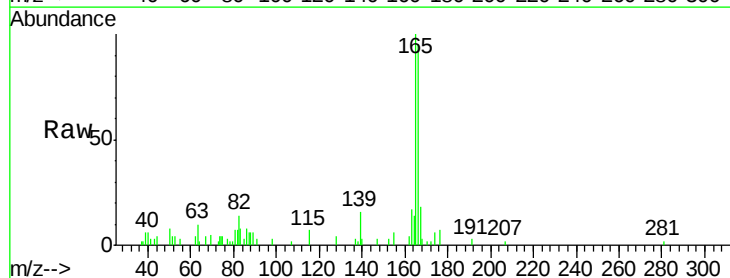
Tgt Ion:166 Resp: 31487

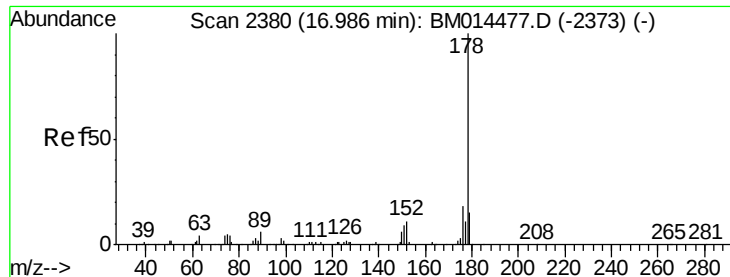
Ion Ratio Lower Upper

166 100

165 104.8 77.9 116.9

167 18.8 10.6 16.0#





#69

Phenanthrene

Concen: 28.060 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

Instrument :

BNA_M

ClientSampleId :

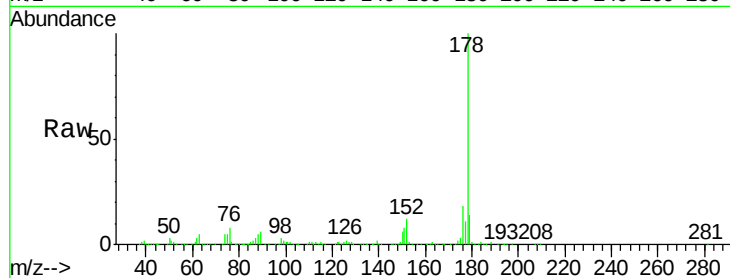
Tot Ion:178 Resp: 710830

Ion Ratio Lower Upper

178 100

179 14.2 12.6 19.0

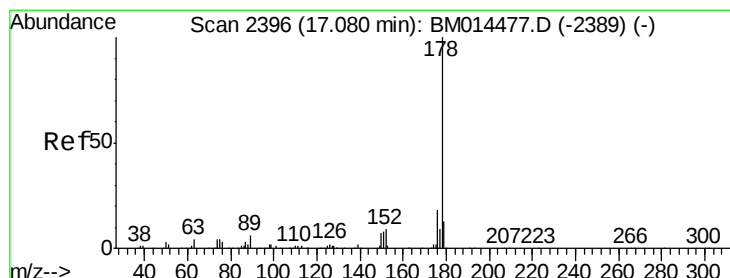
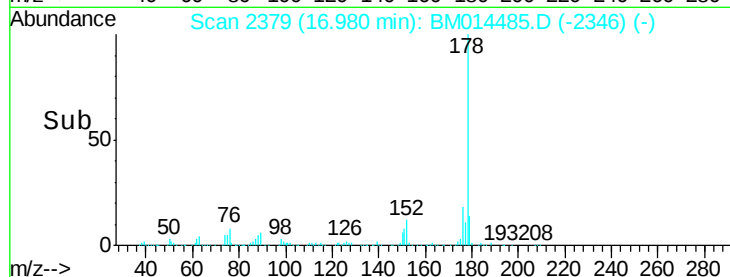
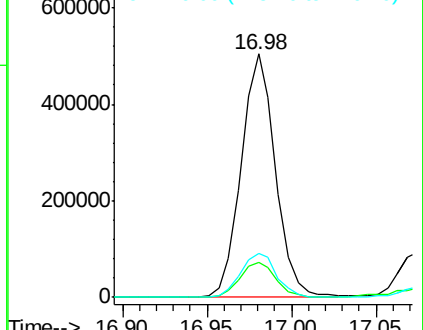
176 18.1 14.9 22.3



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: 27.902 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. -0.10 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

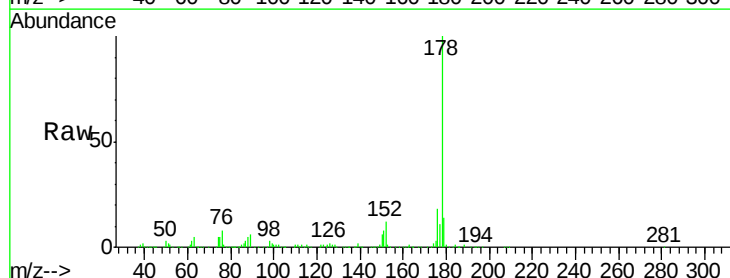
Tgt Ion:178 Resp: 710830

Ion Ratio Lower Upper

178 100

179 14.2 11.7 17.5

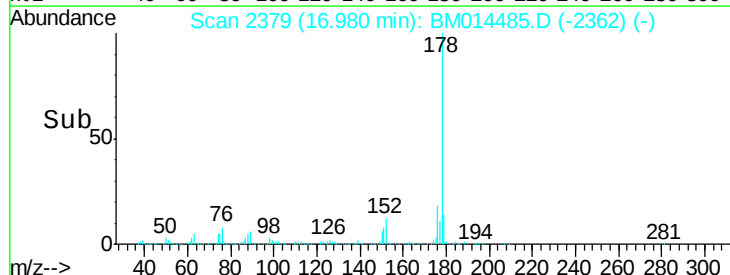
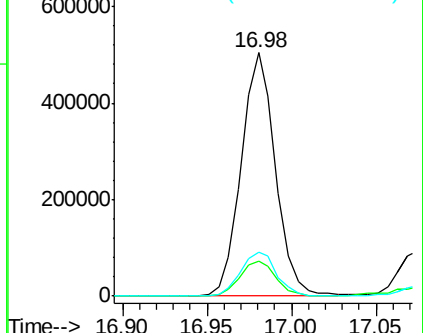
176 18.1 14.6 21.8

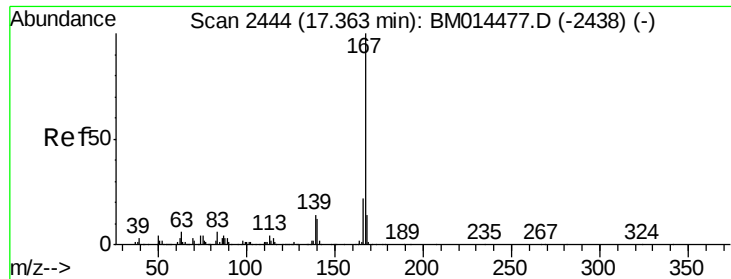


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.380 ng/ul

RT: 17.36 min Scan# 2444

Delta R.T. -0.00 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

Instrument :

BNA_M

ClientSampleId :

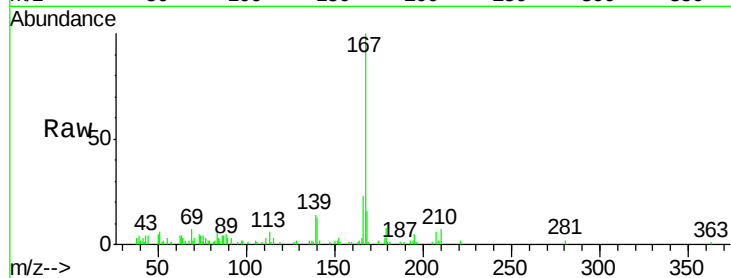
Tot Ion:167 Resp: 50993

Ion Ratio Lower Upper

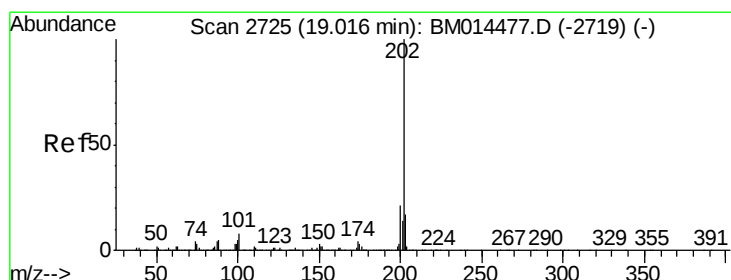
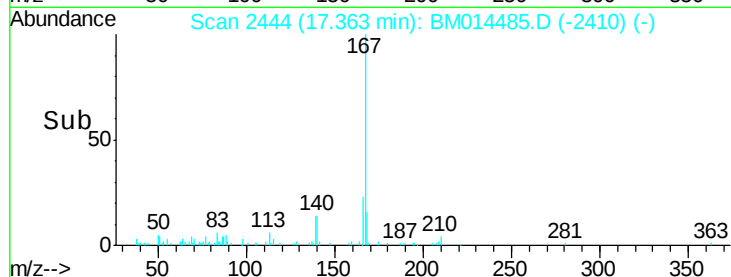
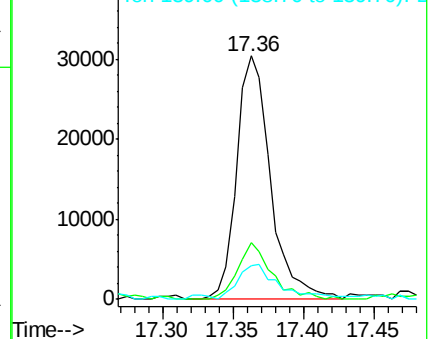
167 100

166 23.1 17.1 25.7

139 13.6 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: 37.661 ng/ul

RT: 19.01 min Scan# 2724

Delta R.T. -0.01 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

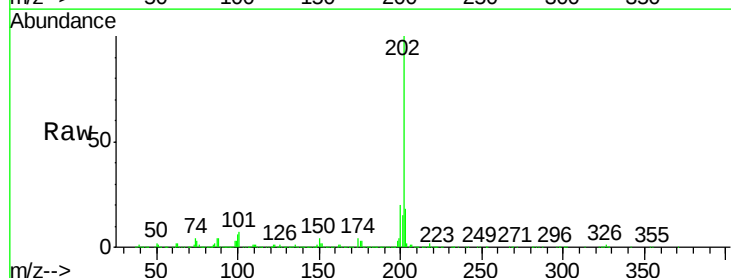
Tgt Ion:202 Resp: 1139838

Ion Ratio Lower Upper

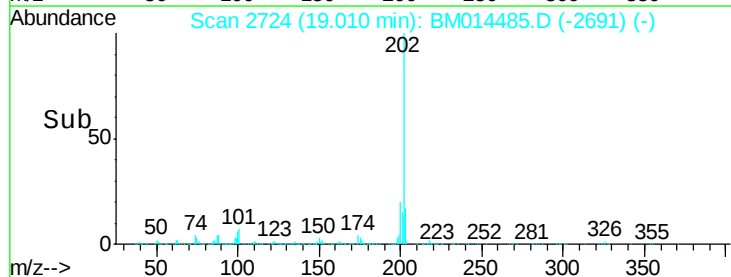
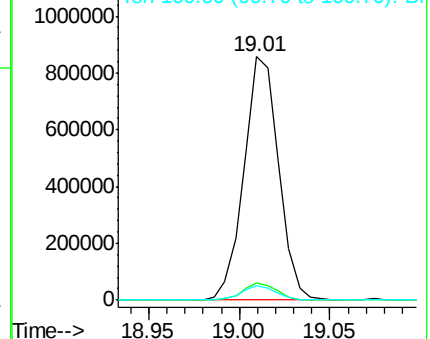
202 100

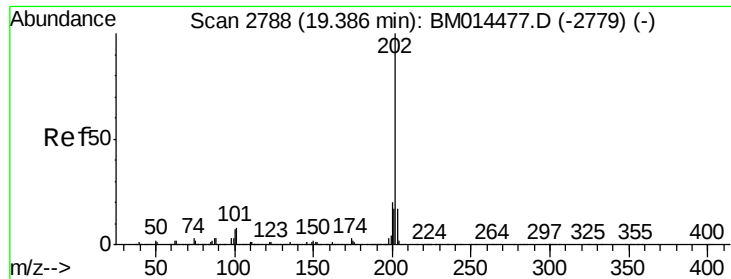
101 6.9 4.6 7.0

100 6.1 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: 39.564 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BM014485.D

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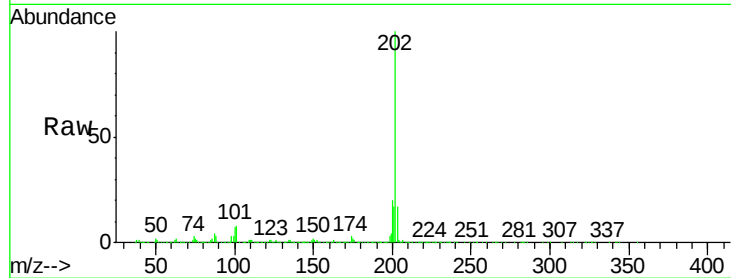
Tot Ion:202 Resp: 1024021

Ion Ratio Lower Upper

202 100

101 8.3 5.1 7.7#

100 7.0 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

19.38

800000

600000

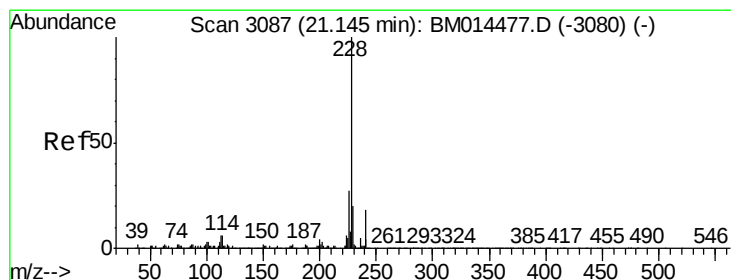
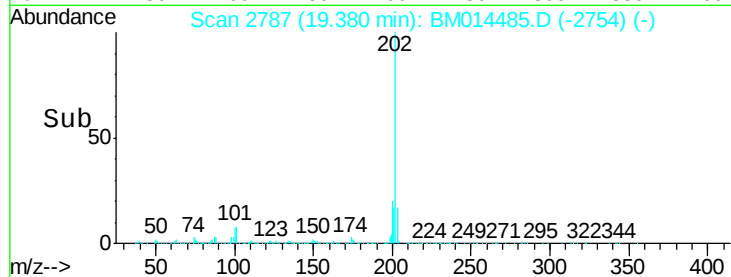
400000

200000

0

19.30 19.35 19.40 19.45

Time-->



#80

Benzo(a)anthracene

Concen: 20.253 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

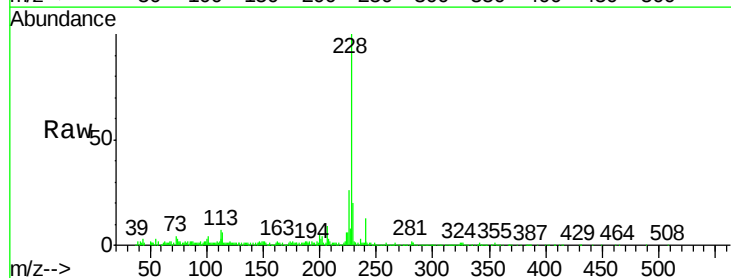
Tgt Ion:228 Resp: 492292

Ion Ratio Lower Upper

228 100

229 20.4 15.4 23.0

226 26.2 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

21.14

500000

400000

300000

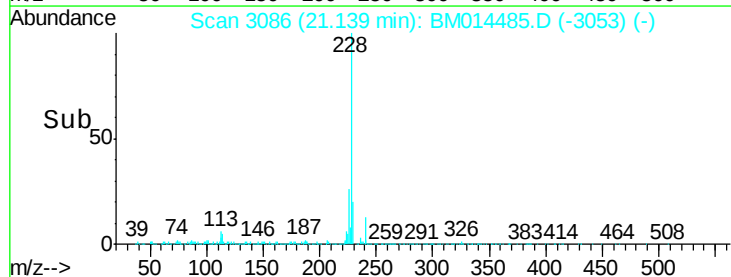
200000

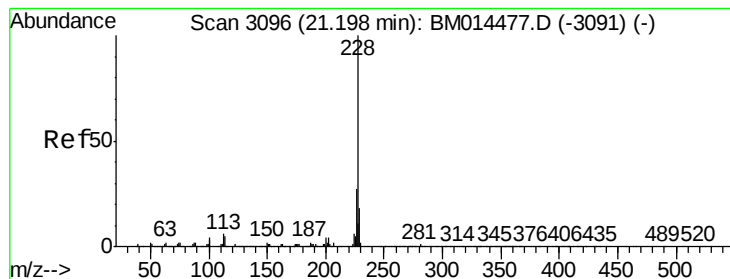
100000

0

21.05 21.10 21.15

Time-->





#82

Chrysene

Concen: 18.529 ng/u1

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

Instrument :

BNA_M

ClientSampled :

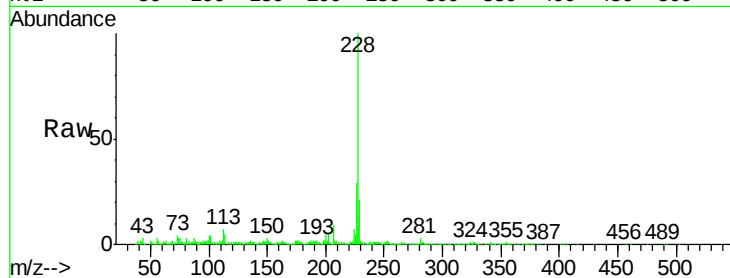
Tot Ion:228 Resp: 420155

Ion Ratio Lower Upper

228 100

226 28.7 23.4 35.2

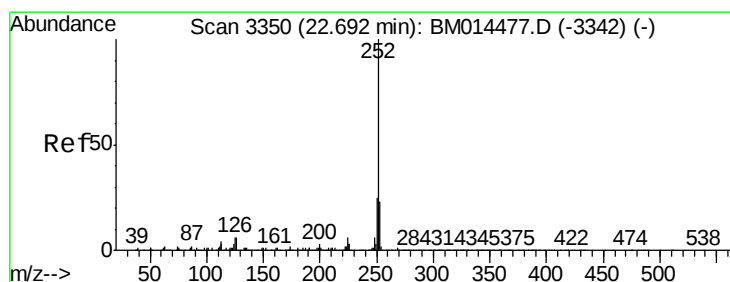
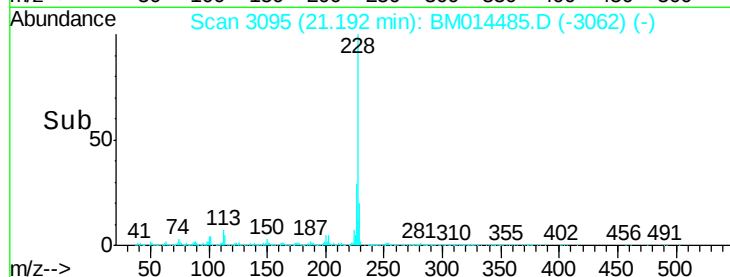
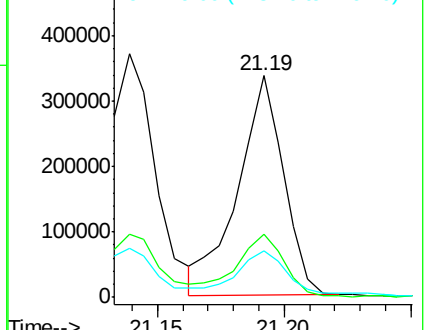
229 20.7 15.5 23.3



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: 21.220 ng/u1

RT: 22.69 min Scan# 3350

Delta R.T. -0.00 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

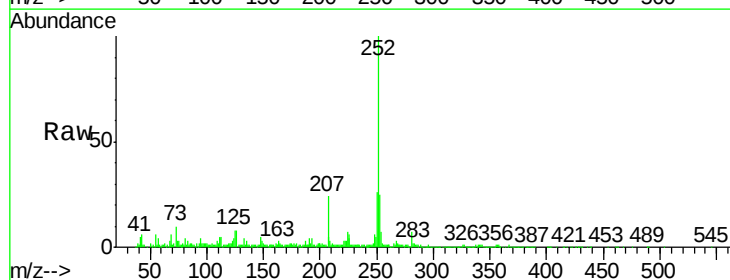
Tgt Ion:252 Resp: 536425

Ion Ratio Lower Upper

252 100

253 24.6 17.9 26.9

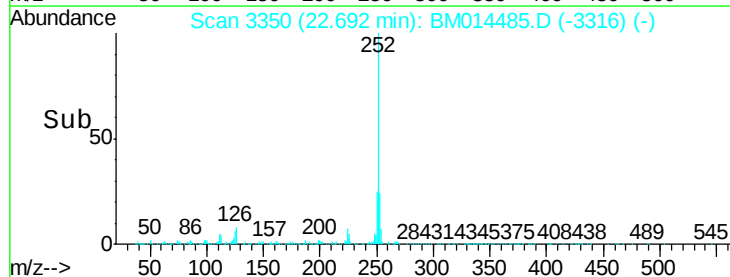
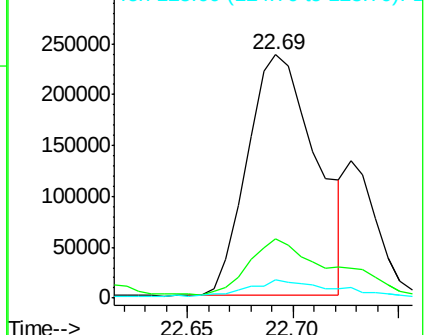
125 7.6 3.6 5.4#

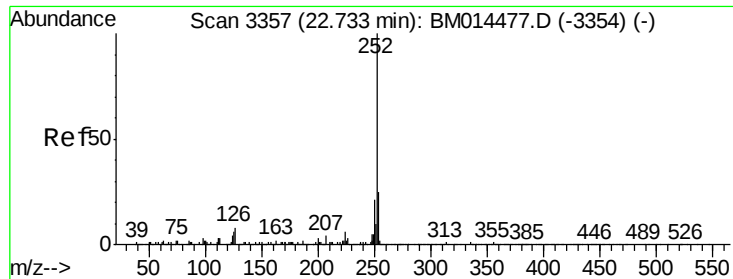


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

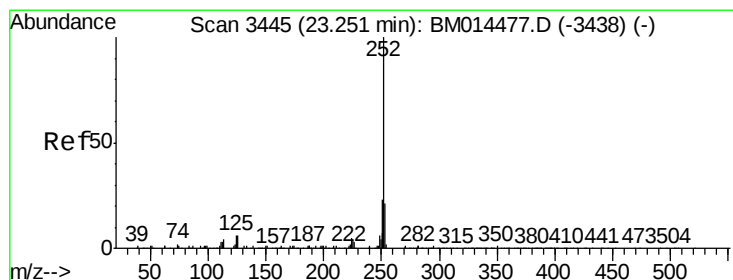
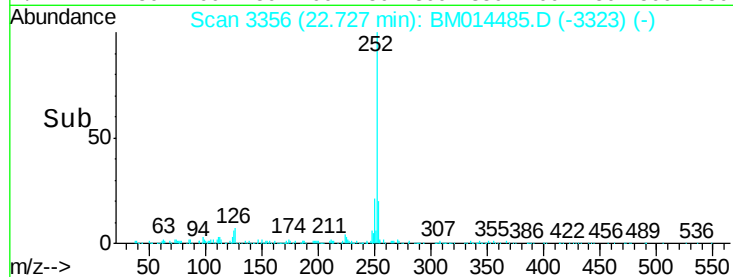
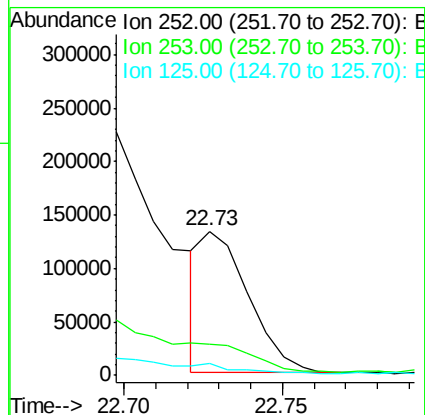
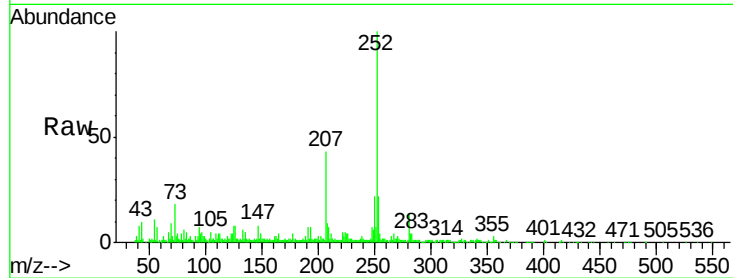




#86
Benzo(k)fluoranthene
Concen: 5.647 ng/ul
RT: 22.73 min Scan# 3356
Delta R.T. -0.01 min
Lab File: BM014485.D
Acq: 05 Mar 2018 22:35

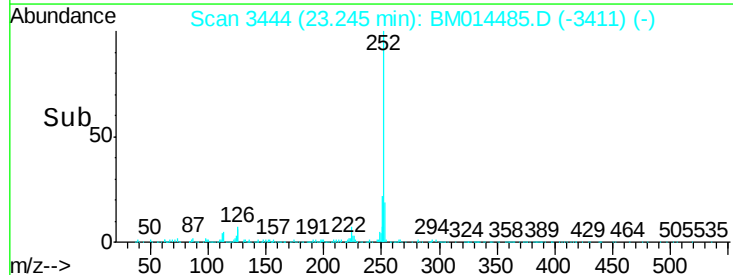
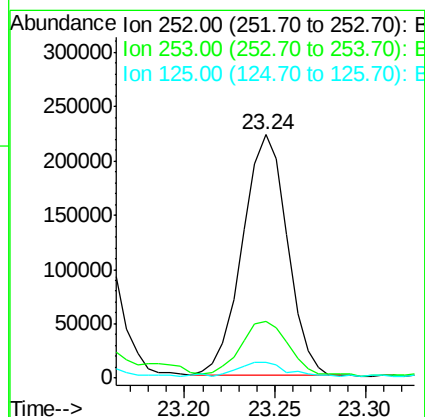
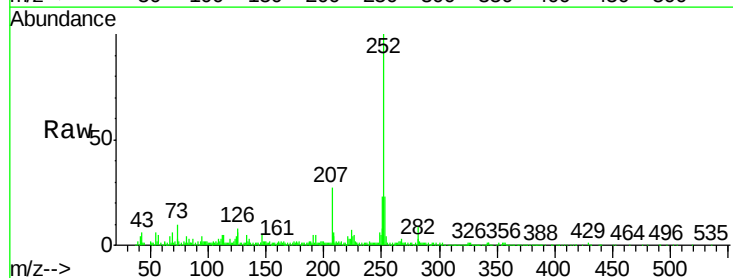
Instrument :
BNA_M
ClientSampleId :

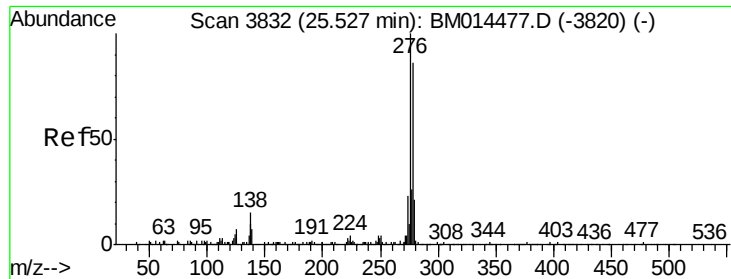
Tot Ion:252 Resp: 135725
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 8.1 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 16.893 ng/ul
RT: 23.24 min Scan# 3444
Delta R.T. -0.01 min
Lab File: BM014485.D
Acq: 05 Mar 2018 22:35

Tgt Ion:252 Resp: 381594
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 6.5 4.0 6.0#



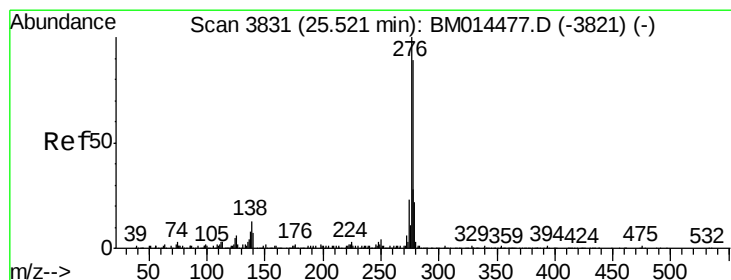
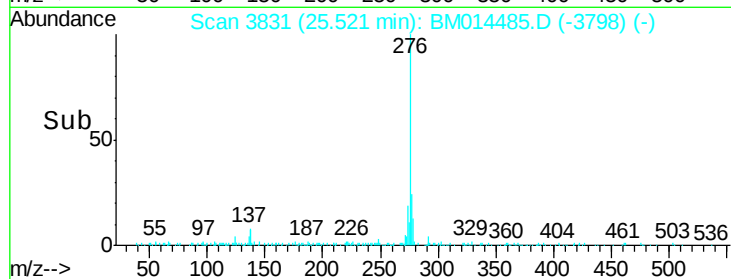
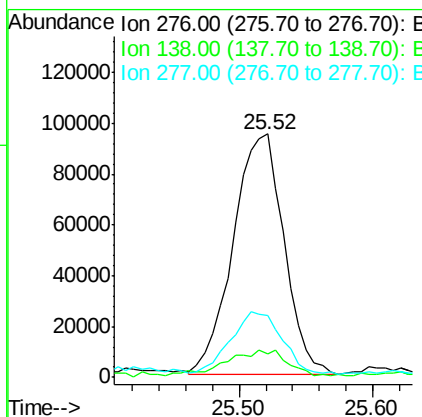
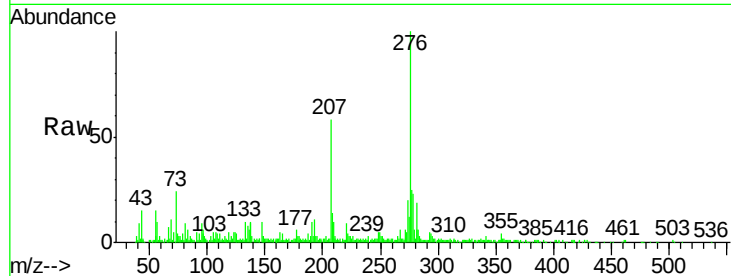


#89

Indeno(1,2,3-cd)pyrene
Concen: 11.416 ng/ul
RT: 25.52 min Scan# 3831
Delta R.T. -0.01 min
Lab File: BM014485.D
Acq: 05 Mar 2018 22:35

Instrument :
BNA_M
ClientSampleId :

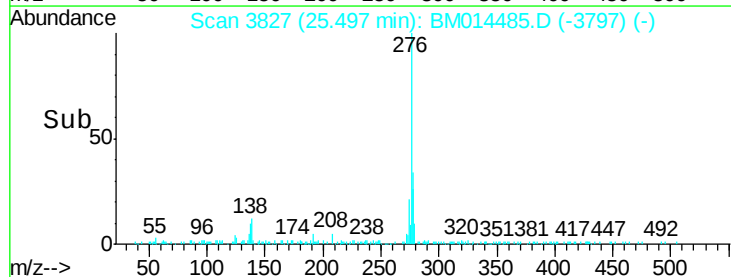
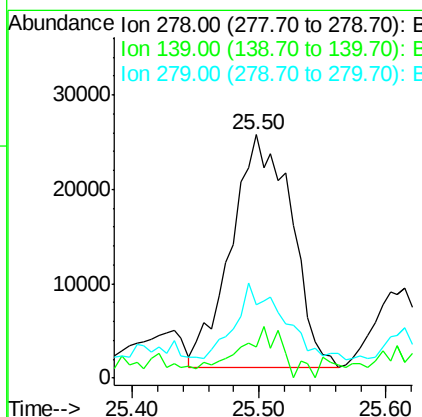
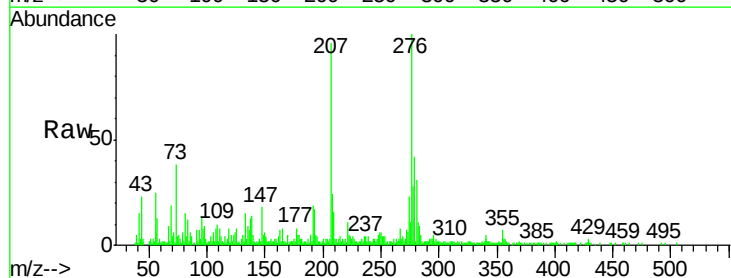
Tot Ion	Ratio	Lower	Upper
276	100		
138	9.4	9.3	13.9
277	25.5	19.9	29.9

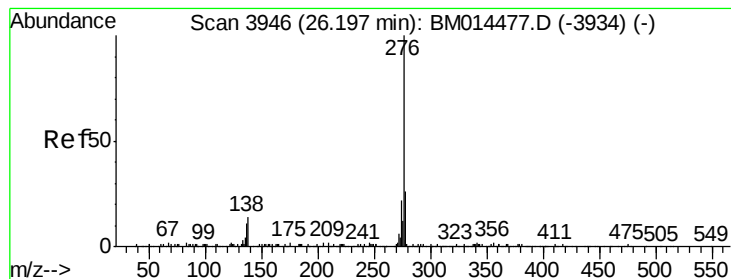


#90

Dibenzo(a,h)anthracene
Concen: 4.455 ng/ul
RT: 25.50 min Scan# 3827
Delta R.T. -0.02 min
Lab File: BM014485.D
Acq: 05 Mar 2018 22:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.9	5.8	8.8#
279	30.1	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 12.478 ng/ul

RT: 26.19 min Scan# 3944

Delta R.T. -0.01 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 221579

Ion Ratio Lower Upper

276 100

138 13.2 8.5 12.7#

277 24.8 18.6 28.0

