

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022618\
 Data File : BM014373.D
 Acq On : 27 Feb 2018 01:11
 Operator : SJ/JU
 Sample : J1646-22
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 27 03:27:13 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 27 03:22:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	169290	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	759357	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.19	164	404473	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.95	188	753313	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	514428	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	482614	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	14753	3.73	ng/uL	0.00
5) Phenol-d5	6.73	99	333017	23.28	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.88	67	232296	26.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	292377	26.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	270643	21.62	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	159445	28.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	162587	27.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	298208	24.79	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	315358	26.61	ng/ul	0.00
43) Dimethylphthalate-d6	13.61	166	962102	28.80	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1235238	29.99	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	45348	9.83	ng/ul	0.02
57) Fluorene-d10	15.19	176	755943	25.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	12676	2.81	ng/ul	0.02
70) Anthracene-d10	17.05	188	1030925	28.36	ng/ul	0.00
76) Pyrene-d10	19.35	212	871892	32.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	667803	28.43	ng/ul	0.02

Target Compounds

					Ovalue	
28) Naphthalene	10.35	128	79634	2.042	ng/ul#	93
34) 2-Methylnaphthalene	11.97	142	35637	1.201	ng/ul	86
44) Dimethylphthalate	13.65	163	209405	6.358	ng/ul	98
47) Acenaphthylene	13.90	152	68388	1.757	ng/ul	96
49) Acenaphthene	14.25	153	133656	4.876	ng/ul	95
53) Dibenzofuran	14.59	168	131322	3.195	ng/ul	95
58) Fluorene	15.25	166	184681	5.205	ng/ul	98
69) Phenanthrene	16.99	178	3081645	71.001	ng/ul	99
71) Anthracene	17.08	178	587901	13.469	ng/ul	98
72) Carbazole	17.36	167	253867	6.917	ng/ul	98
73) Di-n-butylphthalate	17.92	149	211992	4.477	ng/ul	98
74) Fluoranthene	19.02	202	3619857	69.807	ng/ul#	93
77) Pyrene	19.39	202	2886177	84.422	ng/ul#	93
80) Benzo(a)anthracene	21.14	228	1285573	40.042	ng/ul	98
82) Chrysene	21.19	228	1147176	38.303	ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	1341641	41.518	ng/ul#	99
86) Benzo(k)fluoranthene	22.73	252	430960	14.027	ng/ul#	98
88) Benzo(a)pyrene	23.24	252	962330	33.325	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.50	276	604664	21.579	ng/ul	97
90) Dibenzo(a,h)anthracene	25.50	278	171820	7.379	ng/ul#	88
91) Benzo(a,h,i)perylene	26.16	276	487870	21.492	ng/ul#	92

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QLast Update : Tue Feb 27 03:22:24 2018
Response via : Initial Calibration

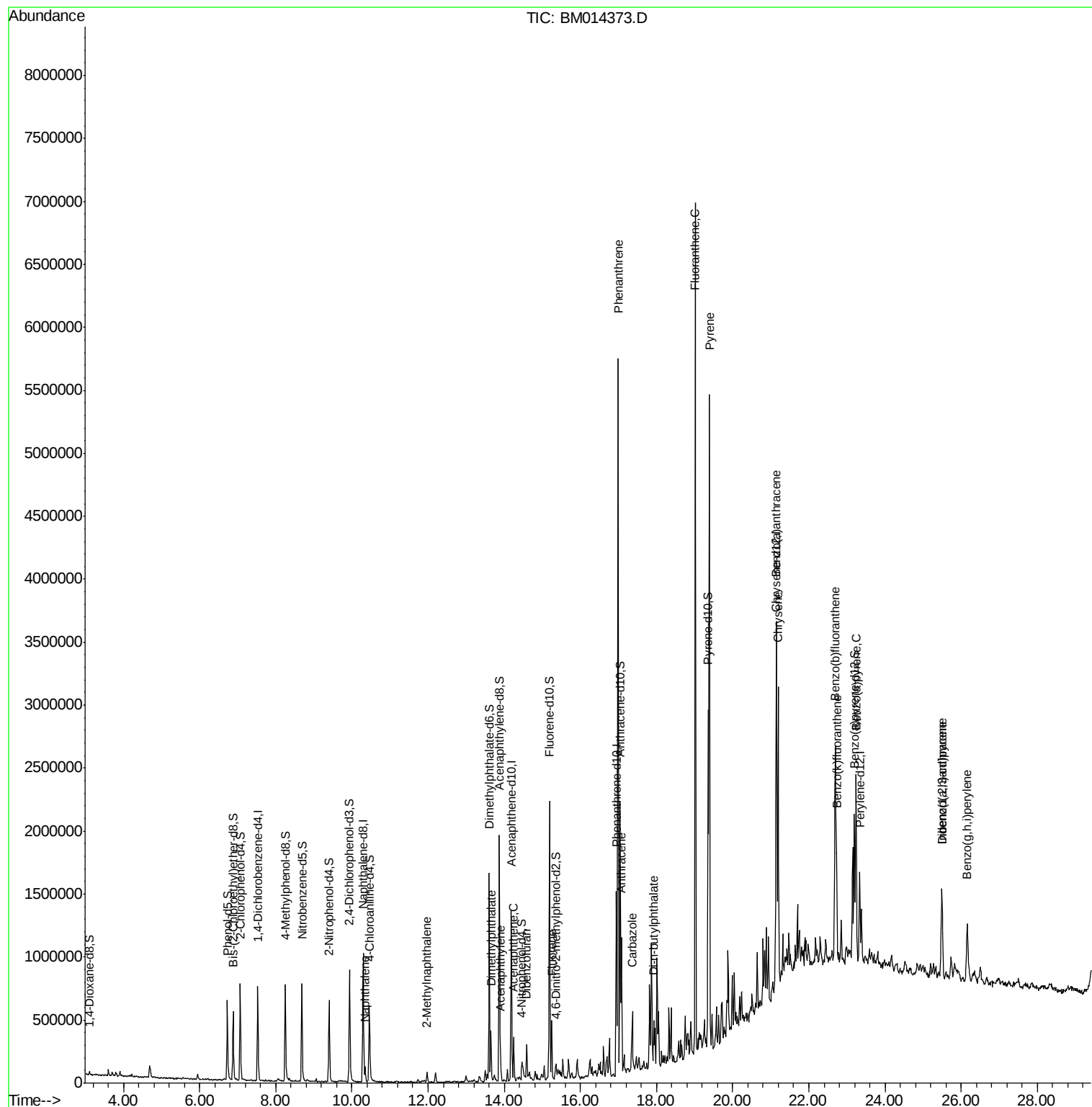
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

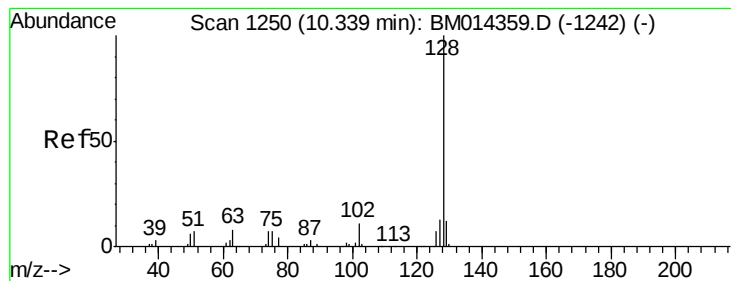
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Data File : BM014373.D
Acq On : 27 Feb 2018 01:11
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Sample : J1646-22
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :

Quant Time: Feb 27 03:27:13 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 27 03:22:24 2018
Response via : Initial Calibration





#28

Naphthalene

Concen: 2.042 ng/ul

RT: 10.35 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BM014373.D

Acq: 27 Feb 2018 01:11

Instrument :

BNA_M

ClientSampleId :

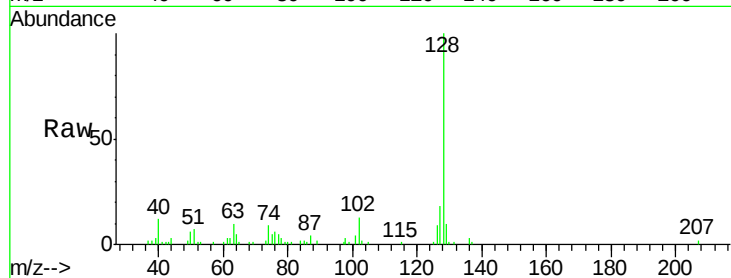
Tot Ion:128 Resp: 79634

Ion Ratio Lower Upper

128 100

129 10.4 8.8 13.2

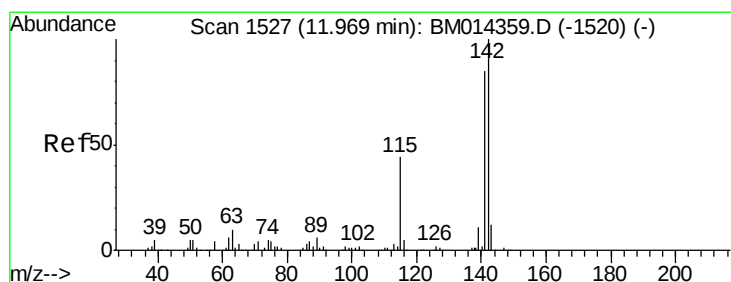
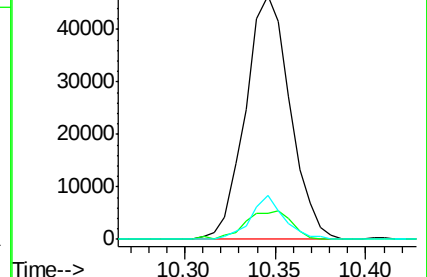
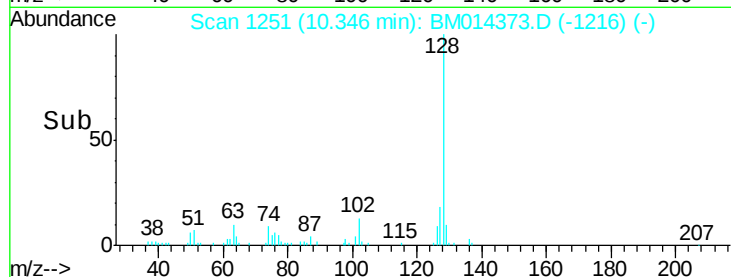
127 18.1 10.6 16.0#



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: 1.201 ng/ul

RT: 11.97 min Scan# 1528

Delta R.T. 0.01 min

Lab File: BM014373.D

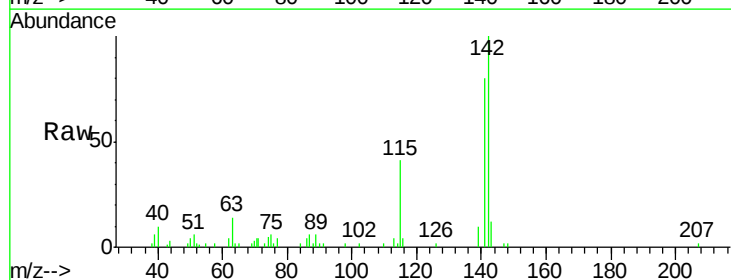
Acq: 27 Feb 2018 01:11

Tgt Ion:142 Resp: 35637

Ion Ratio Lower Upper

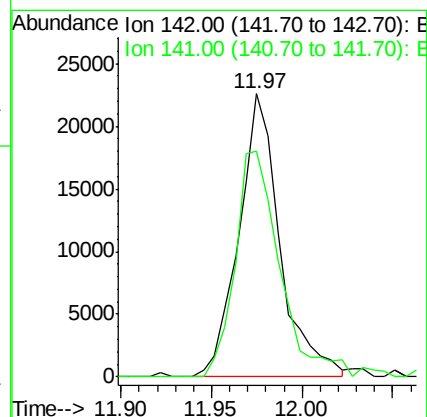
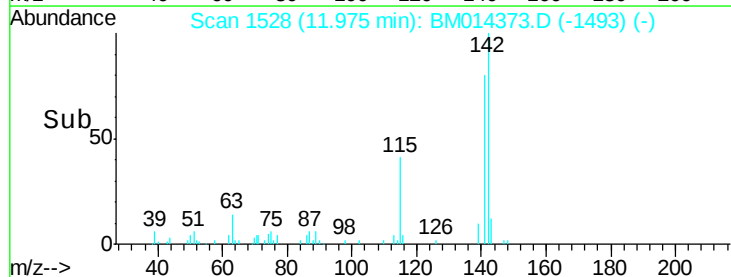
142 100

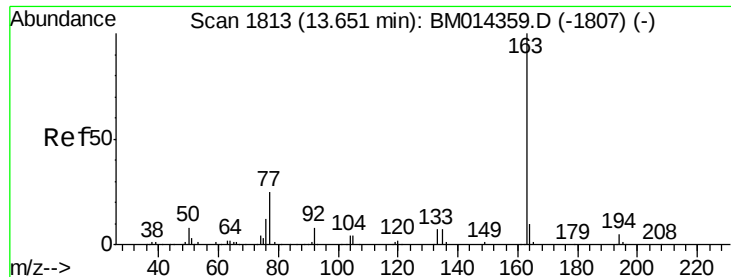
141 79.6 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 6.358 ng/ul

RT: 13.65 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BM014373.D

Acq: 27 Feb 2018 01:11

Instrument :

BNA_M

ClientSampleId :

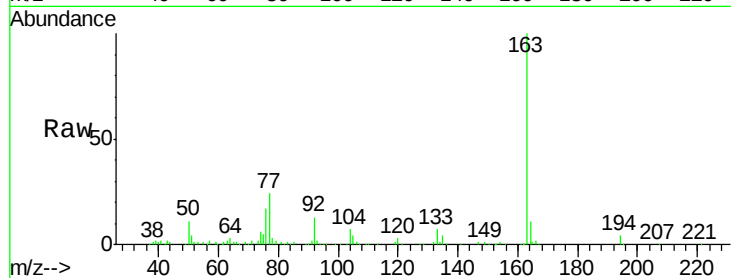
Tot Ion:163 Resp: 209405

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

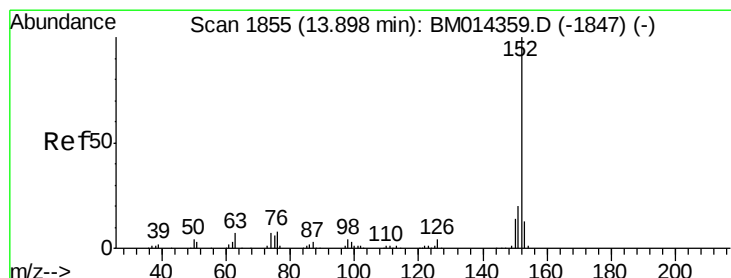
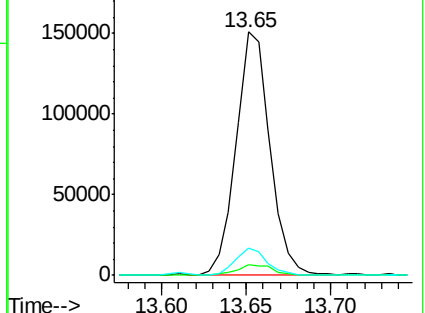
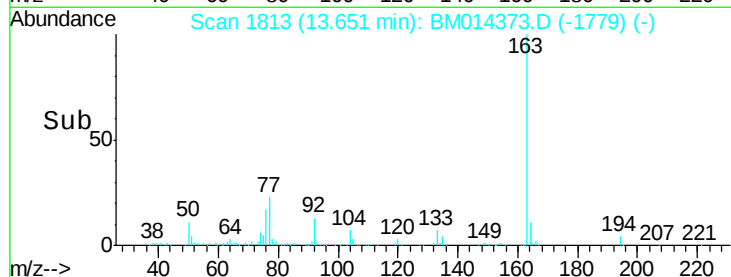
164 11.2 8.2 12.4



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: 1.757 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM014373.D

Acq: 27 Feb 2018 01:11

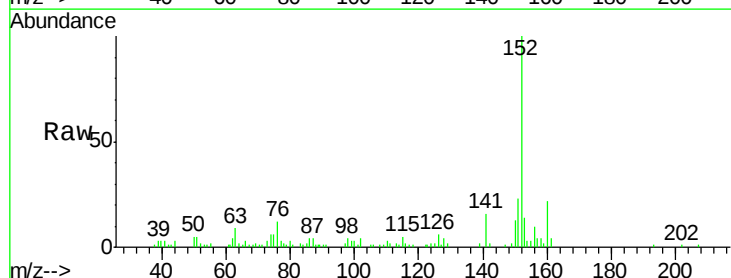
Tgt Ion:152 Resp: 68388

Ion Ratio Lower Upper

152 100

151 22.6 16.3 24.5

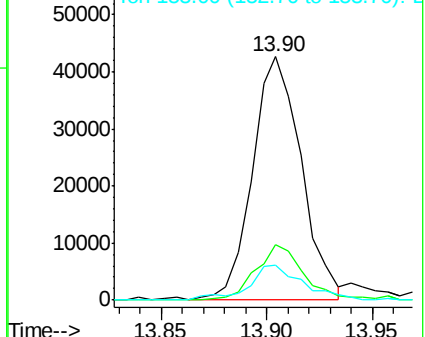
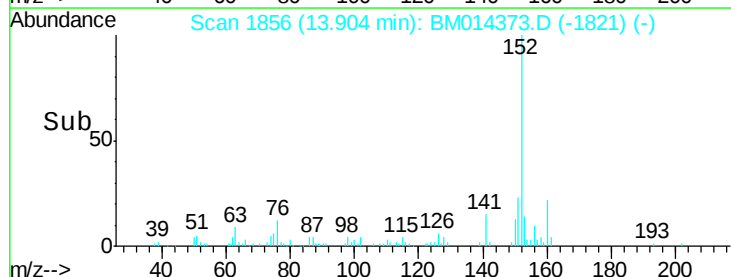
153 14.4 10.2 15.4

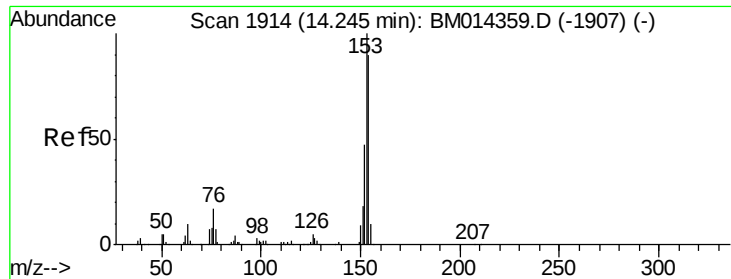


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 4.876 ng/ul

RT: 14.25 min Scan# 1915

Delta R.T. 0.01 min

Lab File: BM014373.D

Acq: 27 Feb 2018 01:11

Instrument :

BNA_M

ClientSampleId :

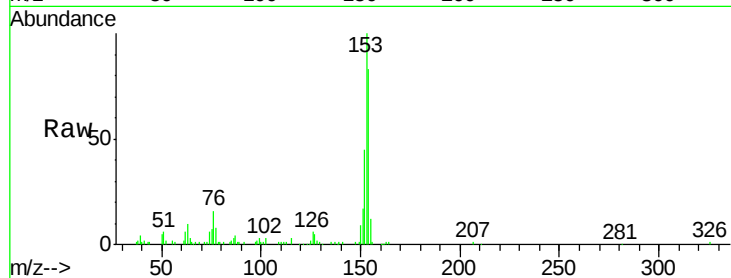
Tot Ion:153 Resp: 133656

Ion Ratio Lower Upper

153 100

152 45.2 37.6 56.4

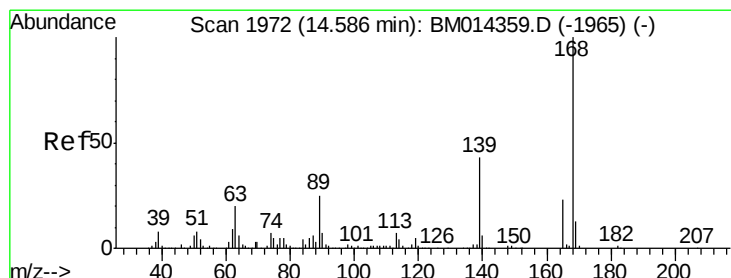
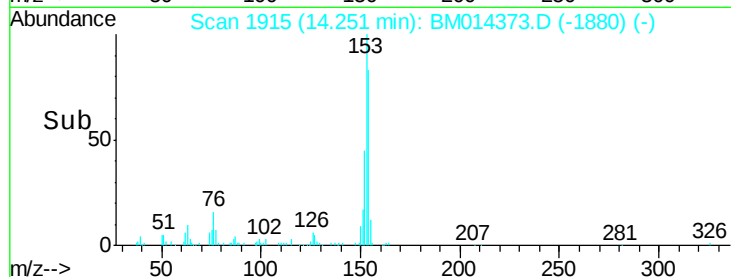
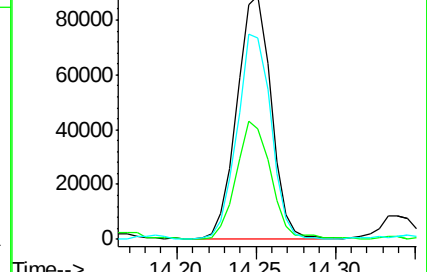
154 82.8 70.4 105.6



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

Dibenzofuran

Concen: 3.195 ng/ul

RT: 14.59 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BM014373.D

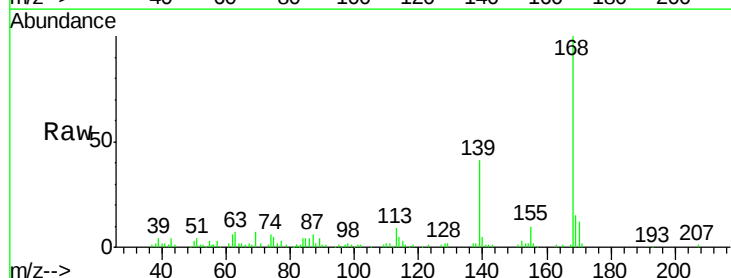
Acq: 27 Feb 2018 01:11

Tgt Ion:168 Resp: 131322

Ion Ratio Lower Upper

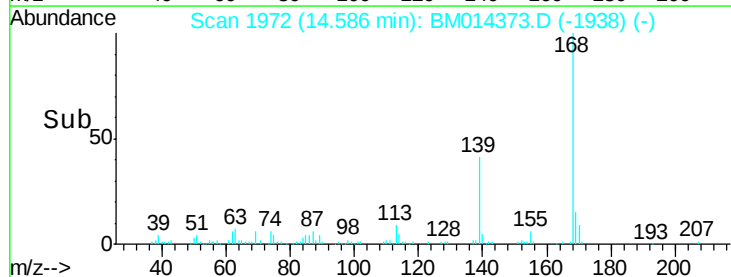
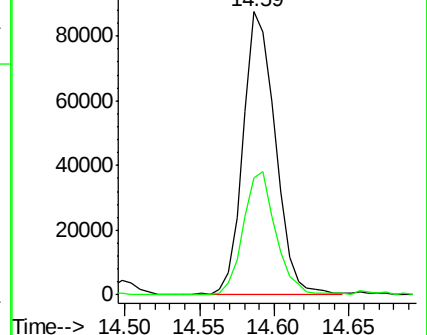
168 100

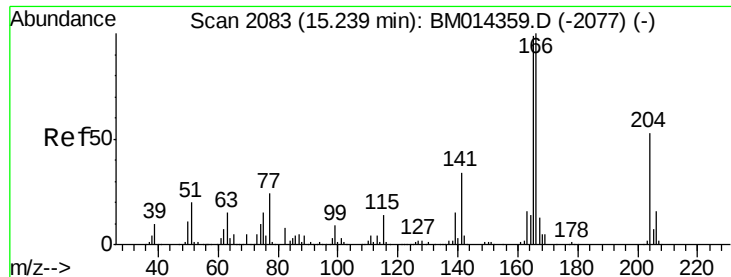
139 41.2 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 5.205 ng/ul

RT: 15.25 min Scan# 2084

Delta R.T. 0.01 min

Lab File: BM014373.D

Acq: 27 Feb 2018 01:11

Instrument :

BNA_M

ClientSampleId :

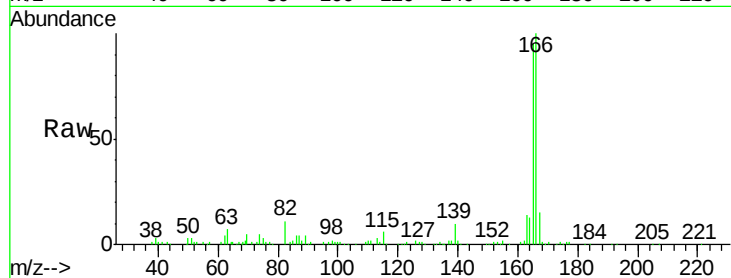
Tot Ion:166 Resp: 184681

Ion Ratio Lower Upper

166 100

165 95.5 77.9 116.9

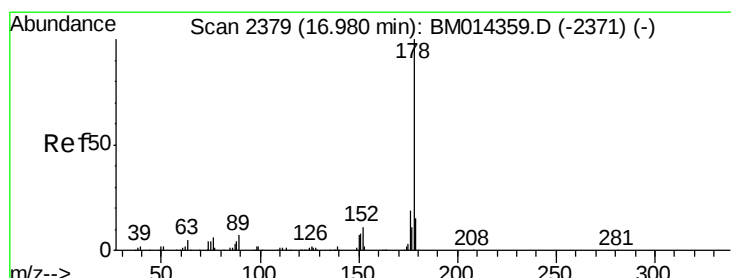
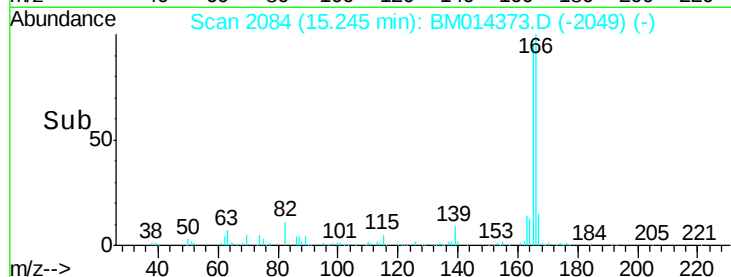
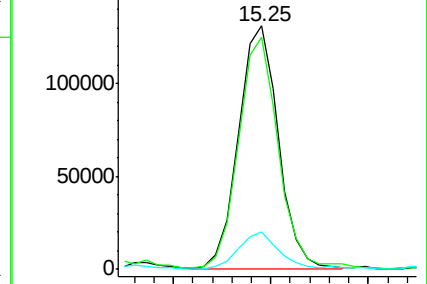
167 15.4 10.6 16.0



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: 71.001 ng/ul

RT: 16.99 min Scan# 2381

Delta R.T. 0.01 min

Lab File: BM014373.D

Acq: 27 Feb 2018 01:11

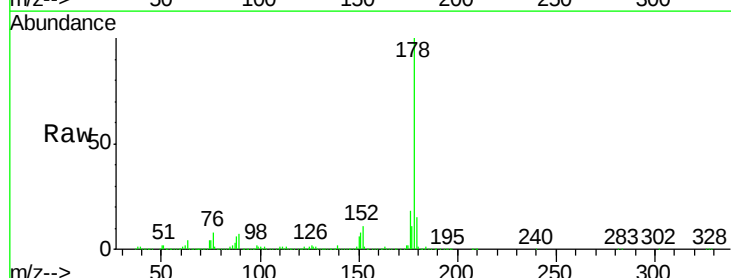
Tgt Ion:178 Resp: 3081645

Ion Ratio Lower Upper

178 100

179 15.1 12.6 19.0

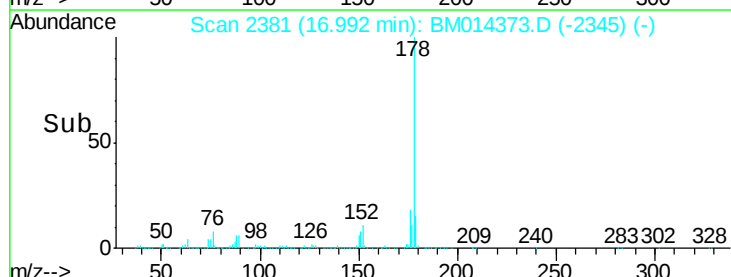
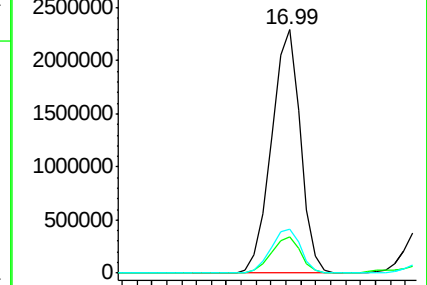
176 18.0 14.9 22.3

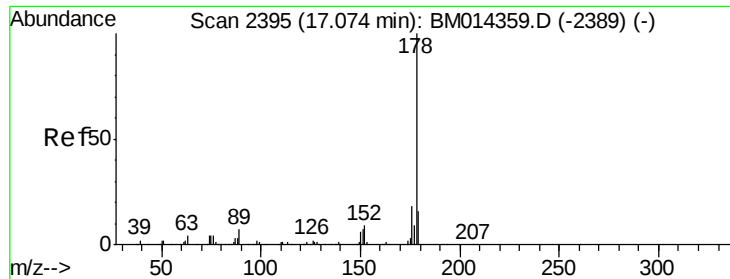


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

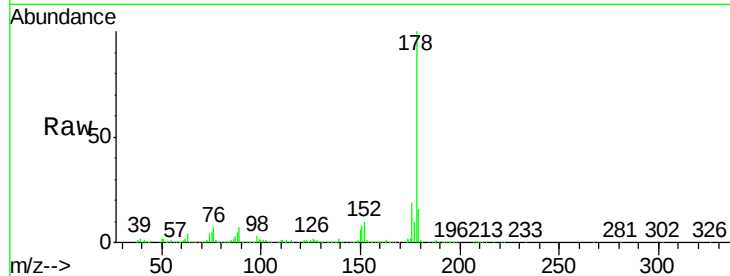




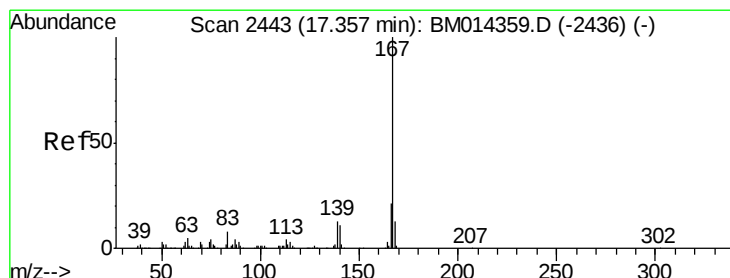
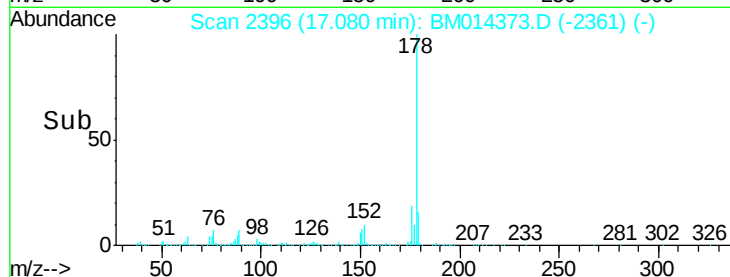
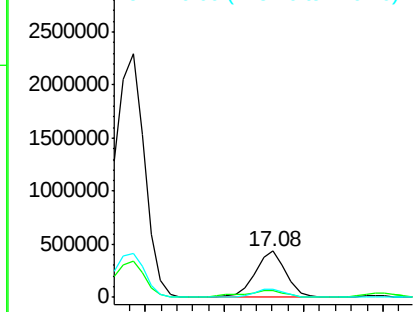
#71
 Anthracene
 Concen: 13.469 ng/ul
 RT: 17.08 min Scan# 2396
 Delta R.T. 0.01 min
 Lab File: BM014373.D
 Acq: 27 Feb 2018 01:11

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:178 Resp: 587901
 Ion Ratio Lower Upper
 178 100
 179 16.0 11.7 17.5
 176 18.5 14.6 21.8

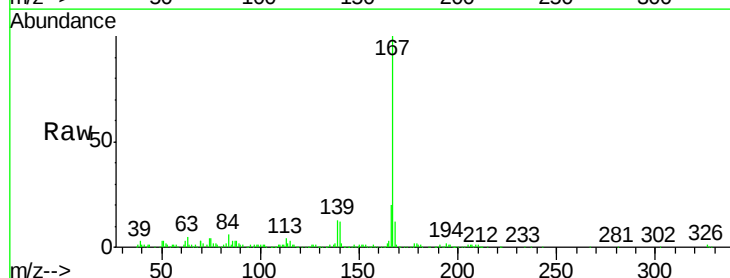


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

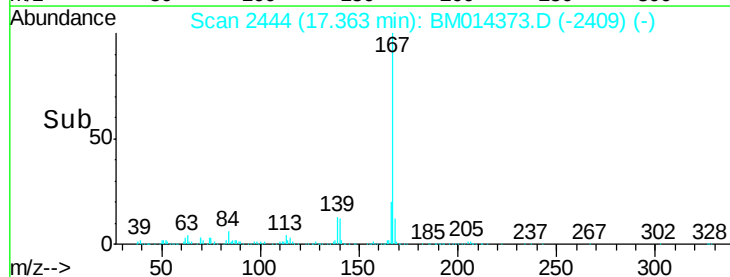
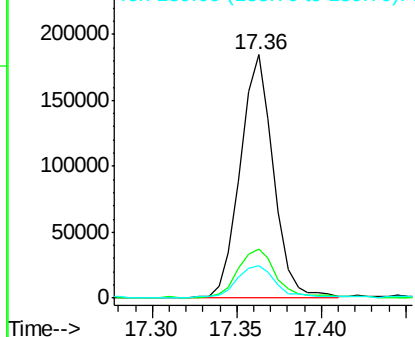


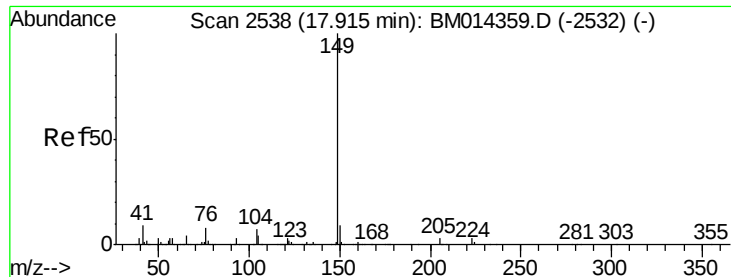
#72
 Carbazole
 Concen: 6.917 ng/ul
 RT: 17.36 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BM014373.D
 Acq: 27 Feb 2018 01:11

Tgt Ion:167 Resp: 253867
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.1 25.7
 139 13.4 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

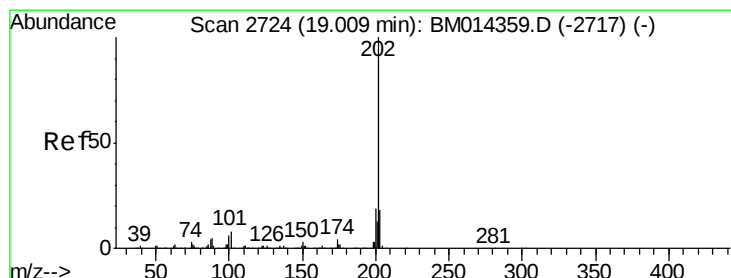
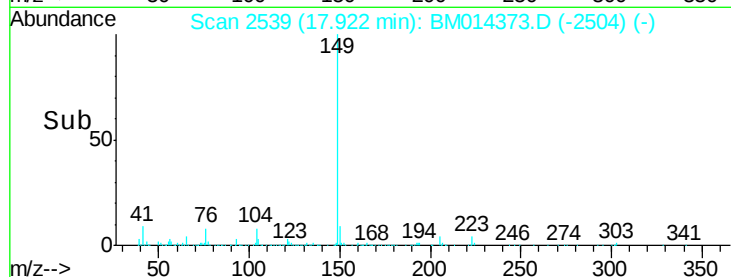
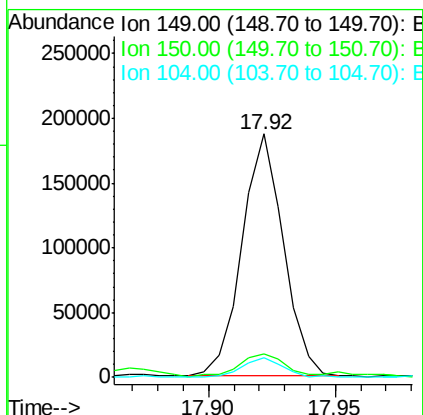
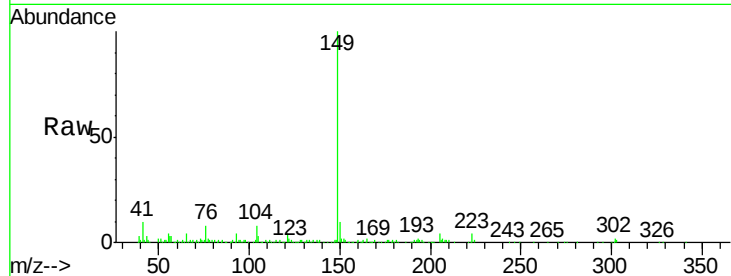




#73
Di-n-butylphthalate
Concen: 4.477 ng/ul
RT: 17.92 min Scan# 2539
Delta R.T. 0.01 min
Lab File: BM014373.D
Acq: 27 Feb 2018 01:11

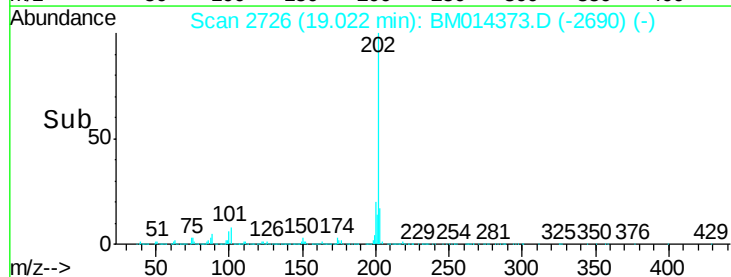
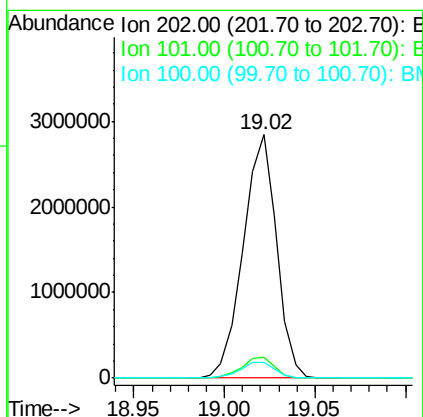
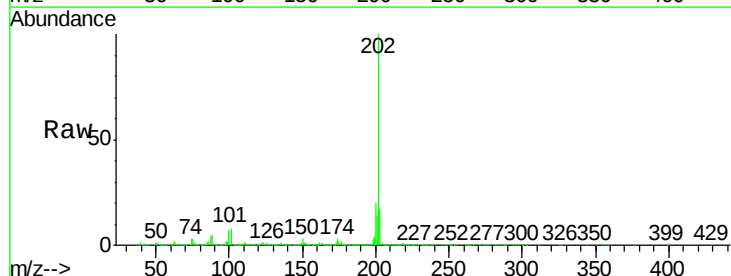
Instrument :
BNA_M
ClientSampled :

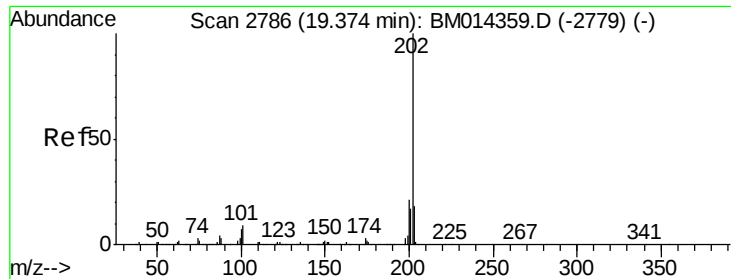
Tot Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.1	10.7
104	8.0	5.6	8.4



#74
Fluoranthene
Concen: 69.807 ng/ul
RT: 19.02 min Scan# 2726
Delta R.T. 0.01 min
Lab File: BM014373.D
Acq: 27 Feb 2018 01:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	4.6	7.0#
100	6.5	3.4	5.2#





#77

Pvrene

Concen: 84.422 ng/ul

RT: 19.39 min Scan# 2788

Delta R.T. 0.01 min

Lab File: BM014373.D

Acq: 27 Feb 2018 01:11

Instrument :

BNA_M

ClientSampleId :

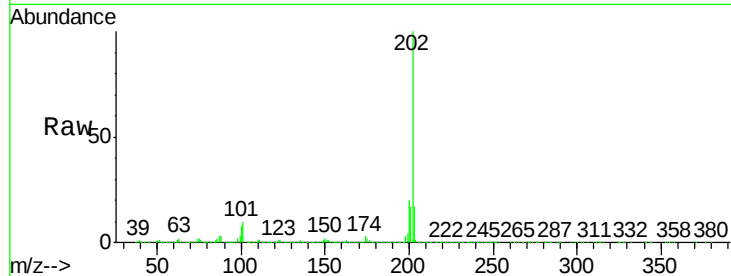
Tot Ion:202 Resp: 2886177

Ion Ratio Lower Upper

202 100

101 9.6 5.1 7.7#

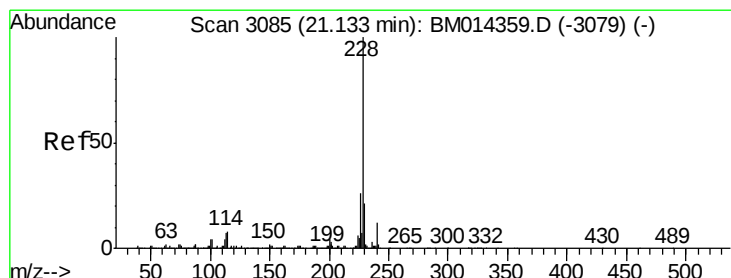
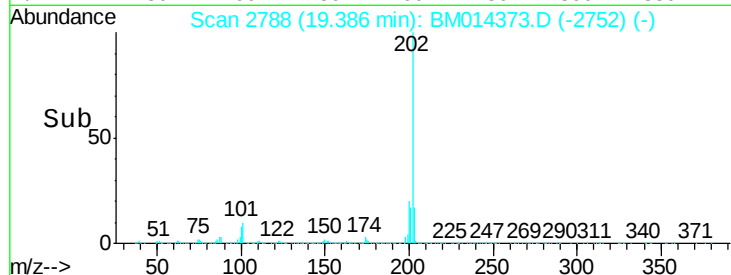
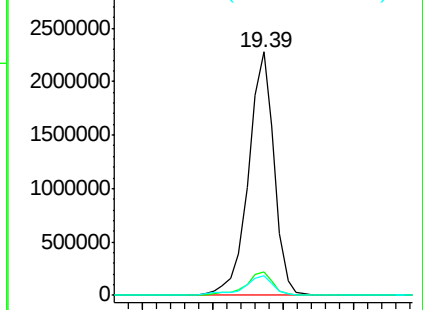
100 7.8 4.9 7.3#



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: 40.042 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM014373.D

Acq: 27 Feb 2018 01:11

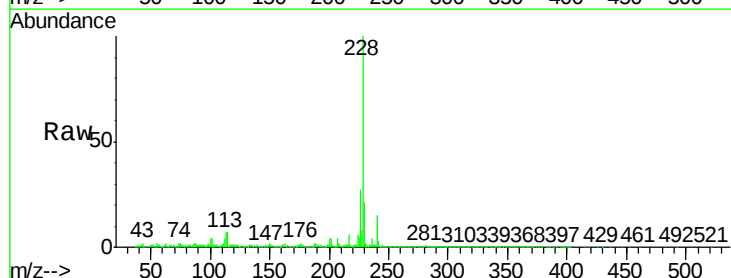
Tgt Ion:228 Resp: 1285573

Ion Ratio Lower Upper

228 100

229 20.6 15.4 23.0

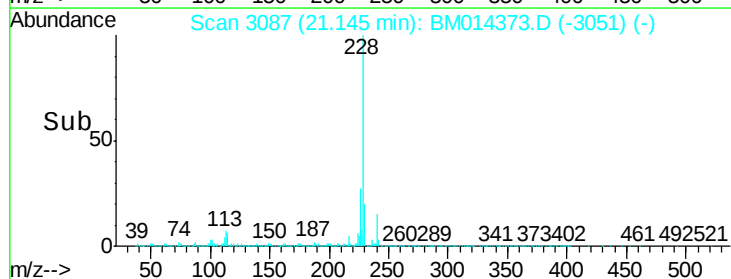
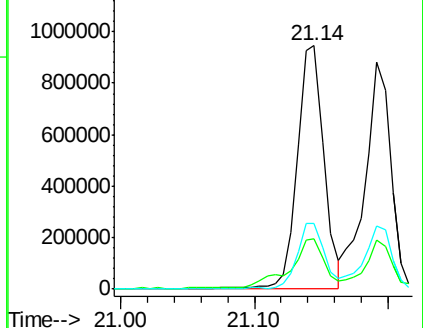
226 27.1 21.4 32.0

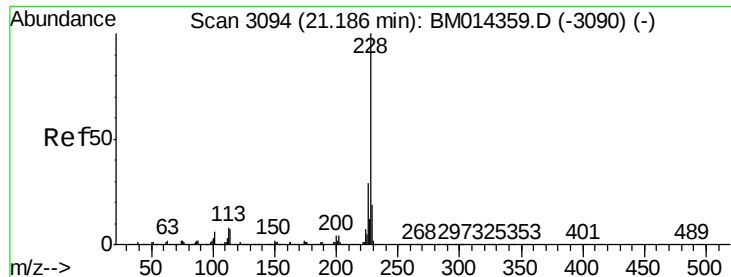


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 38.303 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014373.D

Acq: 27 Feb 2018 01:11

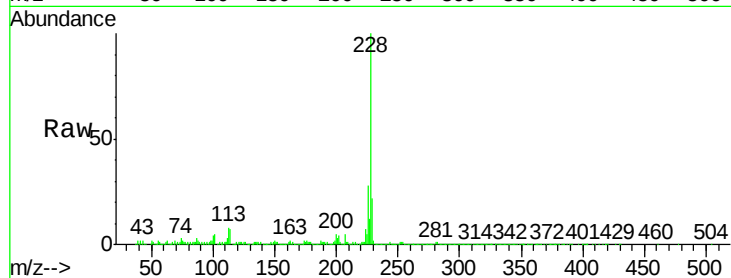
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1147176

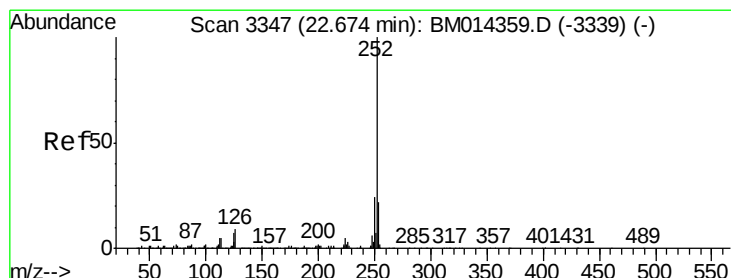
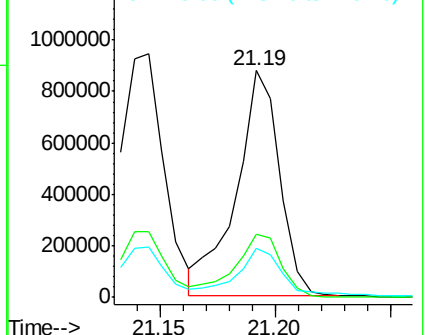
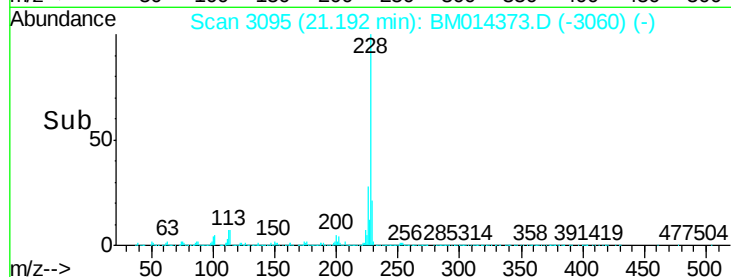
Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.4	35.2
229	21.7	15.5	23.3



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: 41.518 ng/ul

RT: 22.69 min Scan# 3350

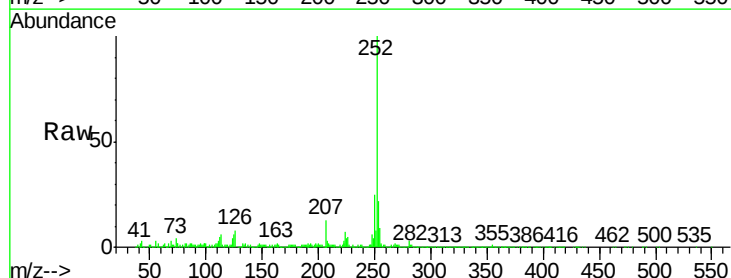
Delta R.T. 0.02 min

Lab File: BM014373.D

Acq: 27 Feb 2018 01:11

Tgt Ion:252 Resp: 1341641

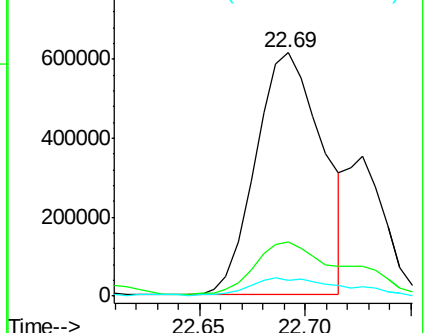
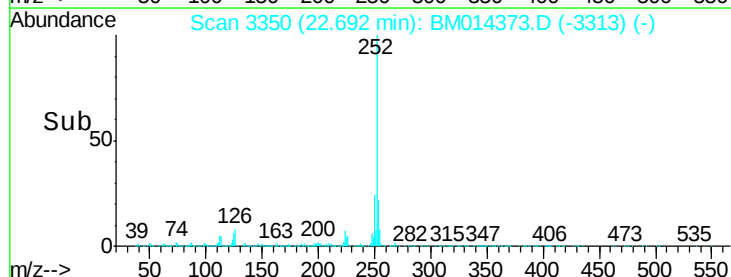
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	6.5	3.6	5.4

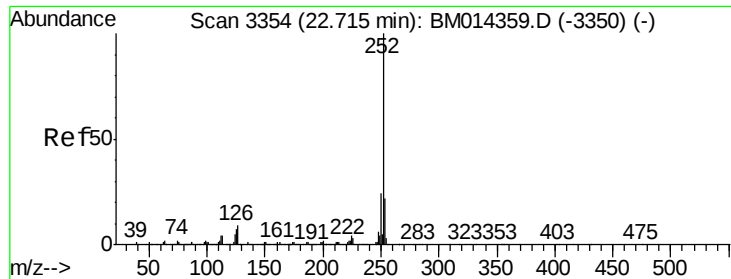


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 14.027 ng/ul

RT: 22.73 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BM014373.D

Acq: 27 Feb 2018 01:11

Instrument :

BNA_M

ClientSampleId :

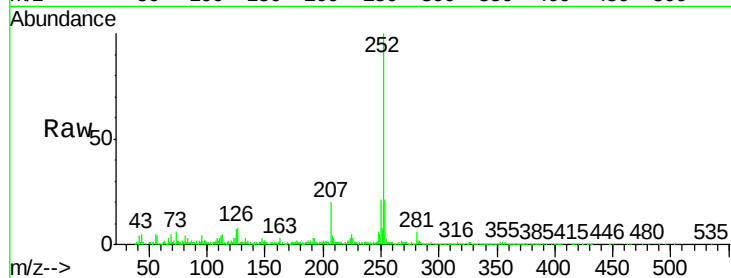
Tot Ion:252 Resp: 430960

Ion Ratio Lower Upper

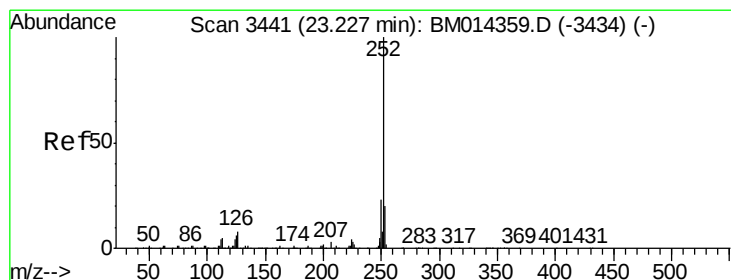
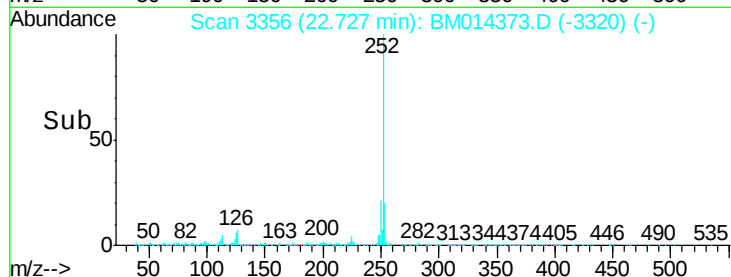
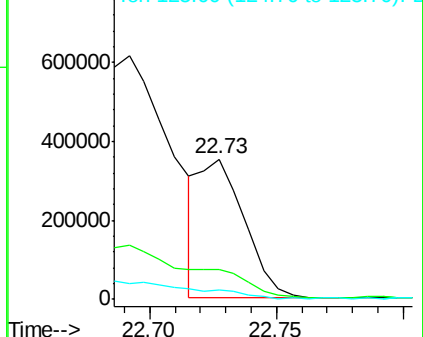
252 100

253 21.1 17.1 25.7

125 6.9 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: 33.325 ng/ul

RT: 23.24 min Scan# 3443

Delta R.T. 0.01 min

Lab File: BM014373.D

Acq: 27 Feb 2018 01:11

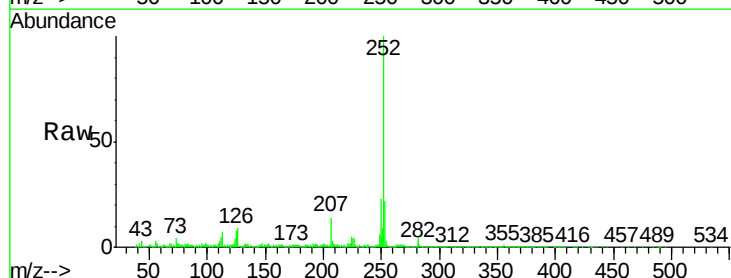
Tgt Ion:252 Resp: 962330

Ion Ratio Lower Upper

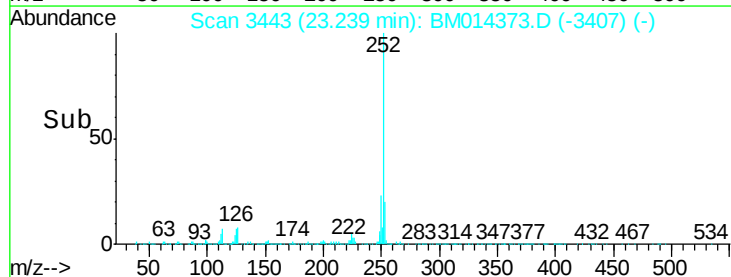
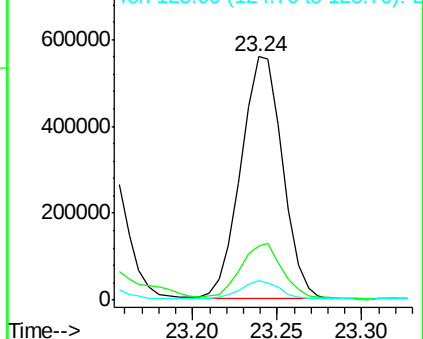
252 100

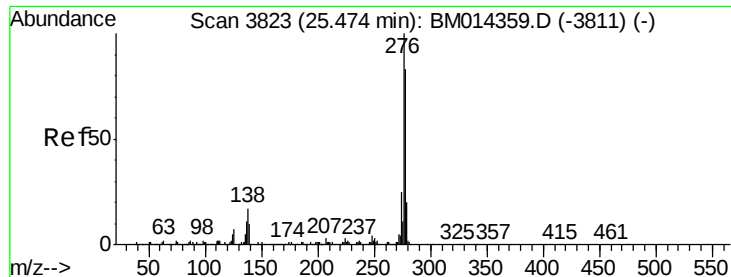
253 22.4 18.2 27.2

125 7.9 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



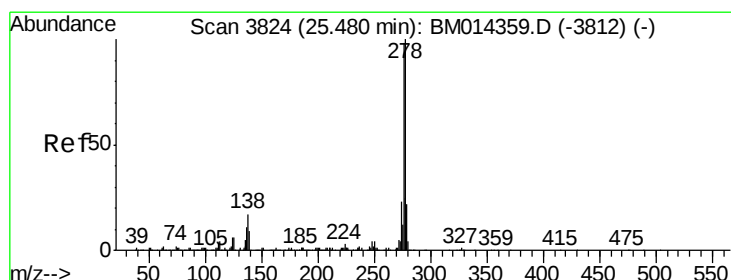
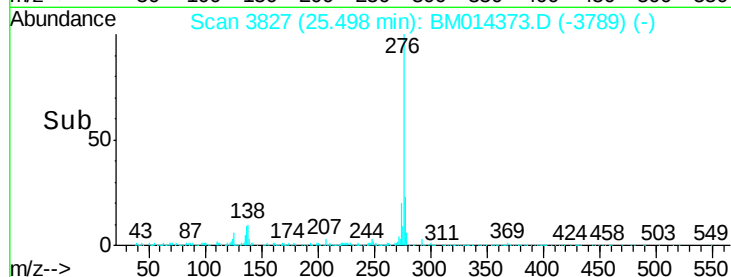
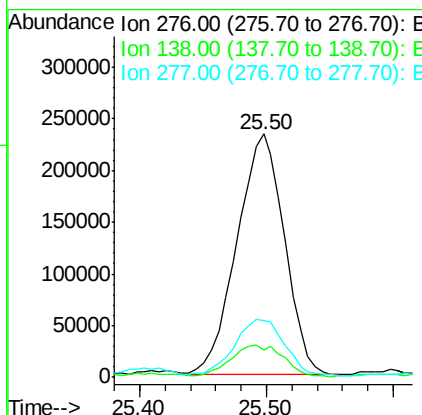
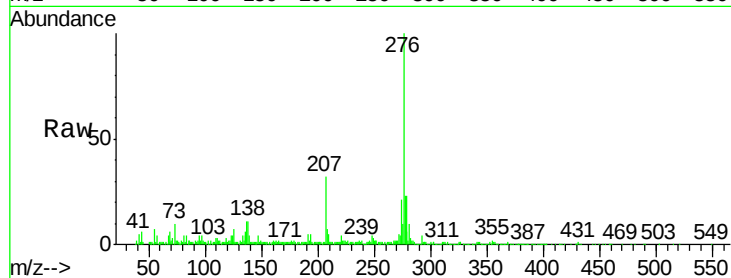


#89

Indeno(1,2,3-cd)pyrene
Concen: 21.579 ng/ul
RT: 25.50 min Scan# 3827
Delta R.T. 0.02 min
Lab File: BM014373.D
Acq: 27 Feb 2018 01:11

Instrument :
BNA_M
ClientSampleId :

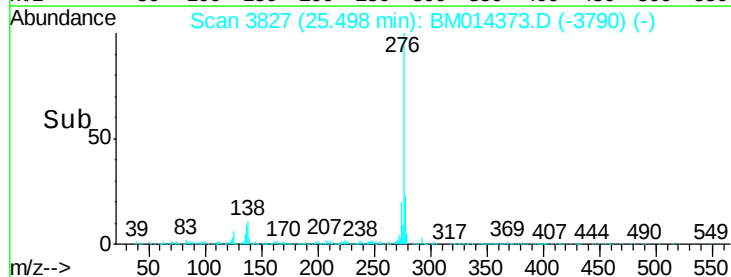
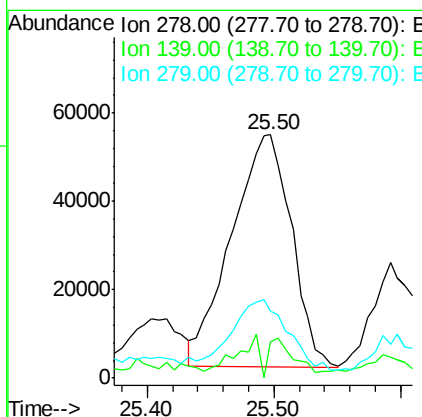
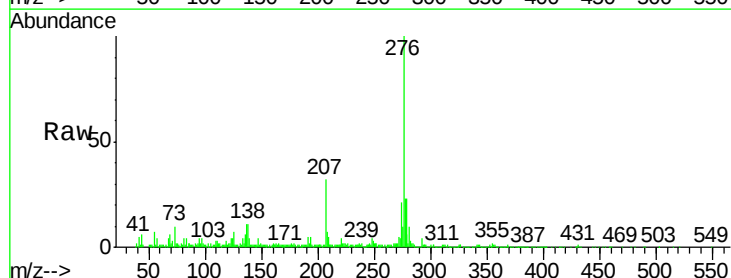
Tot Ion:276 Resp: 604664
Ion Ratio Lower Upper
276 100
138 11.1 9.3 13.9
277 23.2 19.9 29.9

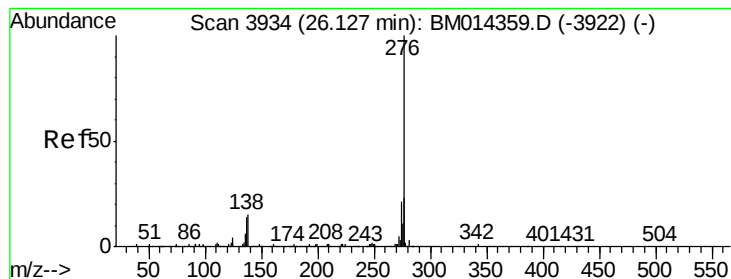


#90

Dibenzo(a,h)anthracene
Concen: 7.379 ng/ul
RT: 25.50 min Scan# 3827
Delta R.T. 0.02 min
Lab File: BM014373.D
Acq: 27 Feb 2018 01:11

Tgt Ion:278 Resp: 171820
Ion Ratio Lower Upper
278 100
139 15.1 5.8 8.8#
279 27.6 18.6 27.8





#91

Benzo(a,h,i)perylene

Concen: 21.492 ng/ul

RT: 26.16 min Scan# 3940

Delta R.T. 0.04 min

Lab File: BM014373.D

Acq: 27 Feb 2018 01:11

Instrument :

BNA_M

ClientSampleId :

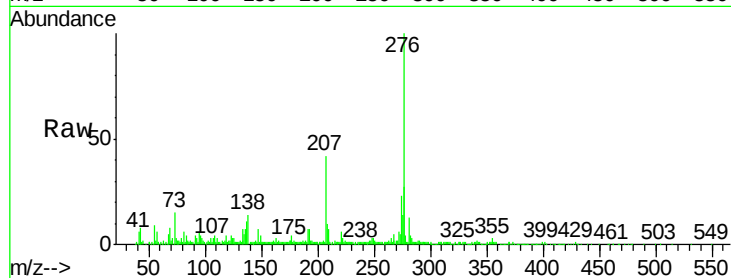
Tot Ion:276 Resp: 487870

Ion Ratio Lower Upper

276 100

138 13.9 8.5 12.7#

277 26.9 18.6 28.0



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

