

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030218\
 Data File : BM014455.D
 Acq On : 02 Mar 2018 11:07
 Operator : SJ/JU
 Sample : J1646-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 02 14:55:54 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 02 14:54:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	112334	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	501856	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	313558	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	693573	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	705867	20.00	ng/ul	0.01
83) Perylene-d12	23.34	264	498127	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	8926	3.40	ng/uL	0.00
5) Phenol-d5	6.72	99	233547	24.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	139456	24.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	189409	26.02	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	195190	23.50	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	99847	26.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	112265	29.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	202837	25.51	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	96261	12.29	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	693412	26.78	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	839457	26.29	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	86160	24.10	ng/ul	0.03
57) Fluorene-d10	15.18	176	573997	24.74	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	66647	16.02	ng/ul	0.02
70) Anthracene-d10	17.04	188	889856	26.59	ng/ul	0.00
76) Pyrene-d10	19.36	212	1014831	27.87	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.21	264	641065	26.44	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	6.75	94	27382	2.748 ng/ul	96
28) Naphthalene	10.33	128	59396	2.304 ng/ul	99
30) 4-Chloroaniline	10.33	127	8028	1.005 ng/ul#	21
34) 2-Methylnaphthalene	11.96	142	24859	1.267 ng/ul	88
44) Dimethylphthalate	13.64	163	165595	6.485 ng/ul	98
47) Acenaphthylene	13.89	152	233343	7.732 ng/ul	98
49) Acenaphthene	14.24	153	164710	7.751 ng/ul	98
53) Dibenzofuran	14.58	168	189903	5.960 ng/ul	92
58) Fluorene	15.23	166	302769	11.006 ng/ul	97
69) Phenanthrene	16.99	178	6168524	154.364 ng/ul	100
71) Anthracene	17.07	178	1283628	31.941 ng/ul	99
72) Carbazole	17.36	167	174541	5.165 ng/ul	98
74) Fluoranthene	19.03	202	11058920	231.636 ng/ul#	90
77) Pyrene	19.39	202	9117450	194.361 ng/ul#	90
80) Benzo(a)anthracene	21.15	228	4351513	98.779 ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.07	149	4107173	147.854 ng/ul#	96
82) Chrysene	21.20	228	3486152	84.830 ng/ul	97
85) Benzo(b)fluoranthene	22.70	252	3365123	100.892 ng/ul#	98
86) Benzo(k)fluoranthene	22.70	252	3365123	106.117 ng/ul#	96
88) Benzo(a)pyrene	23.26	252	2255797	75.685 ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.53	276	1173536	40.576 ng/ul	99
90) Dibenzo(a,h)anthracene	25.52	278	364428	15.164 ng/ul#	90
91) Benzo(g,h,i)perylene	26.20	276	844670	36.052 ng/ul	96

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 02 14:54:45 2018
Response via : Initial Calibration

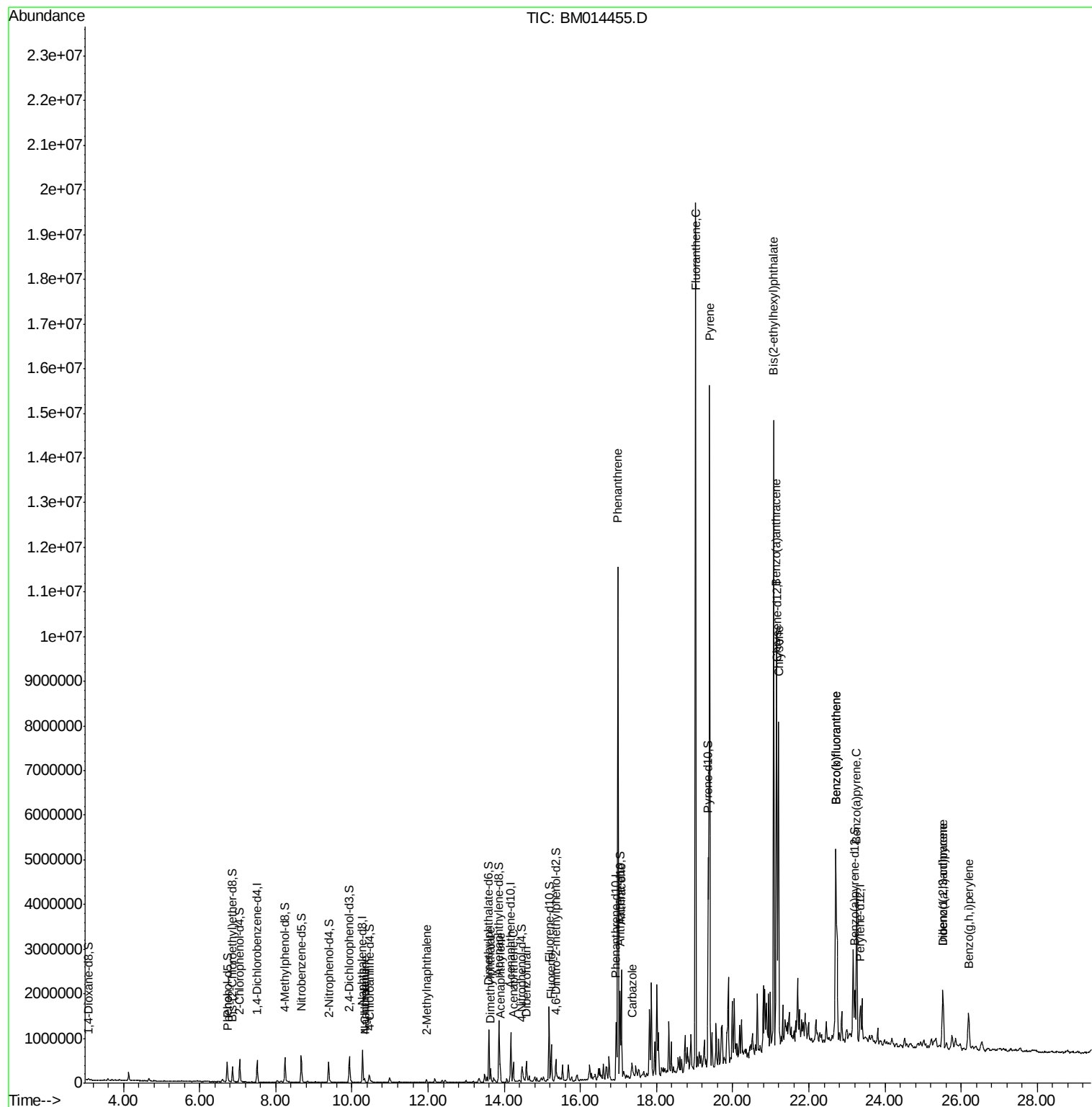
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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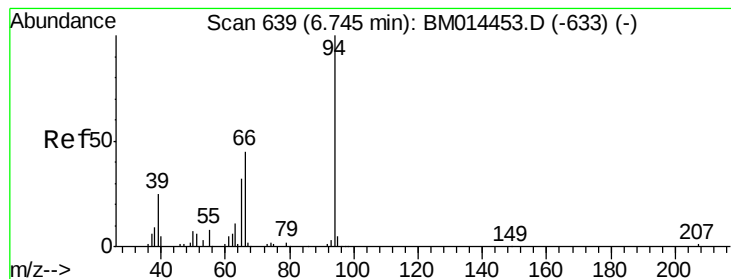
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.748 ng/ul

RT: 6.75 min Scan# 639

Delta R.T. 0.01 min

Lab File: BM014455.D

Acq: 02 Mar 2018 11:07

Instrument :

BNA_M

ClientSampleId :

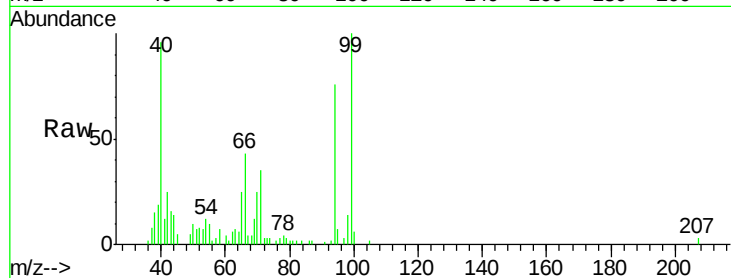
Tot Ion: 94 Resp: 27382

Ion Ratio Lower Upper

94 100

65 32.4 28.2 42.4

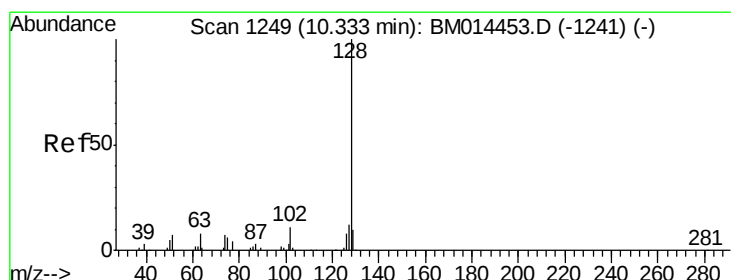
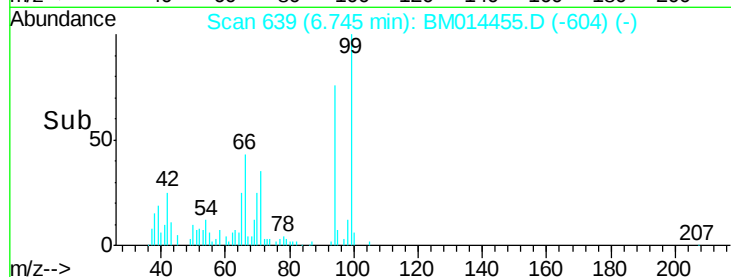
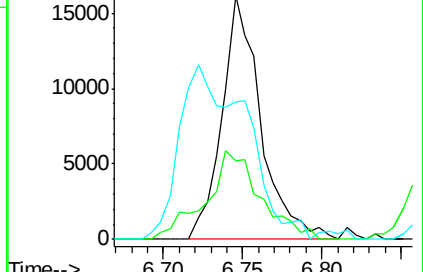
66 56.3 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM014455.D (-633) (-)

Ion 65.00 (64.70 to 65.70): BM014455.D (-633) (-)

Ion 66.00 (65.70 to 66.70): BM014455.D (-633) (-)



#28

Naphthalene

Concen: 2.304 ng/ul

RT: 10.33 min Scan# 1248

Delta R.T. -0.01 min

Lab File: BM014455.D

Acq: 02 Mar 2018 11:07

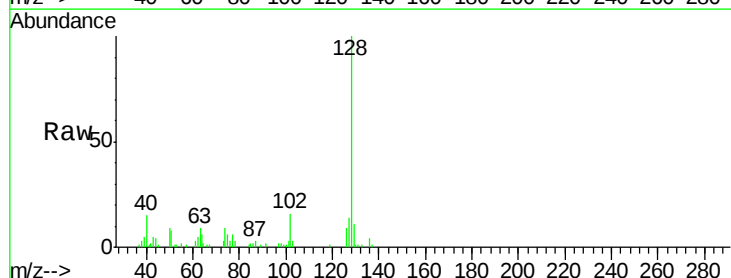
Tgt Ion: 128 Resp: 59396

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

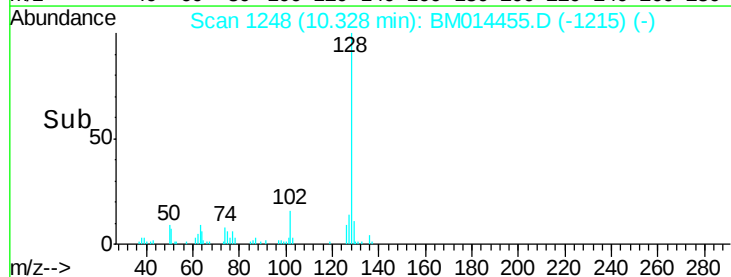
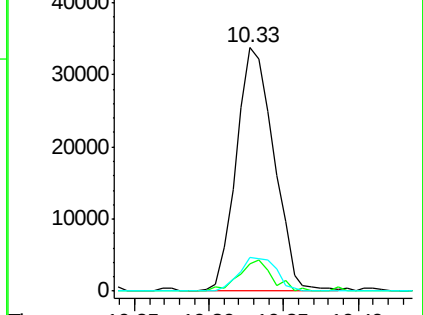
127 13.9 10.6 16.0

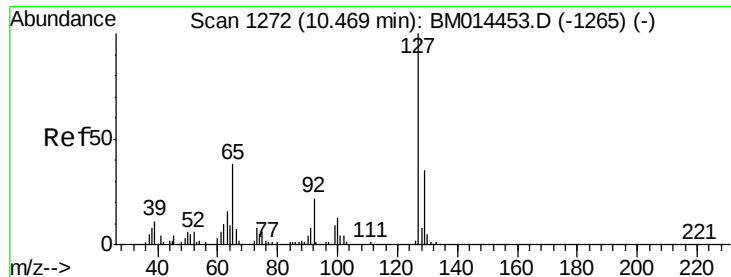


Abundance Ion 128.00 (127.70 to 128.70): BM014455.D (-1241) (-)

Ion 129.00 (128.70 to 129.70): BM014455.D (-1241) (-)

Ion 127.00 (126.70 to 127.70): BM014455.D (-1241) (-)

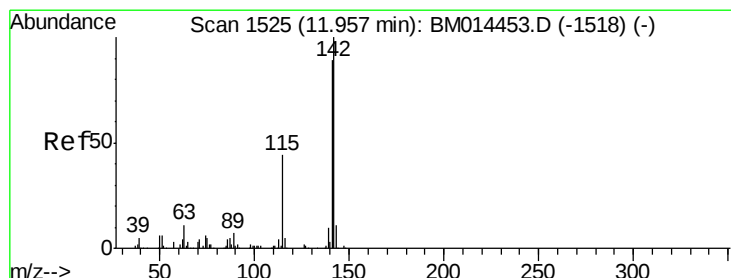
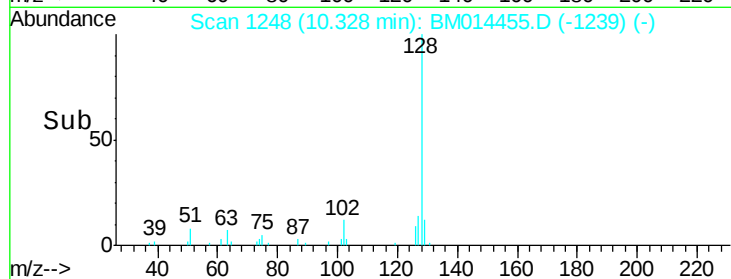
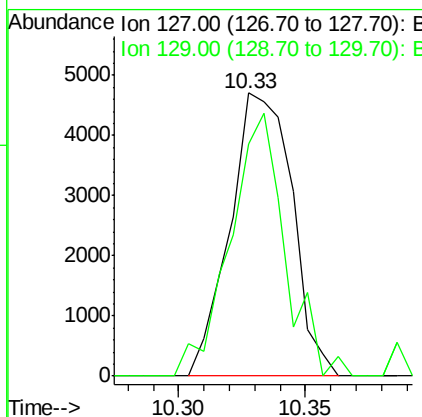
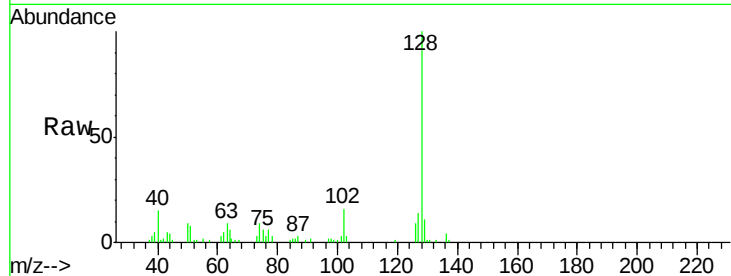




#30
 4-Chloroaniline
 Concen: 1.005 ng/ul
 RT: 10.33 min Scan# 1248
 Delta R.T. -0.15 min
 Lab File: BM014455.D
 Acq: 02 Mar 2018 11:07

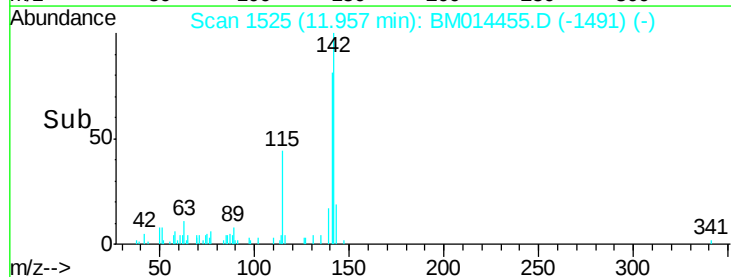
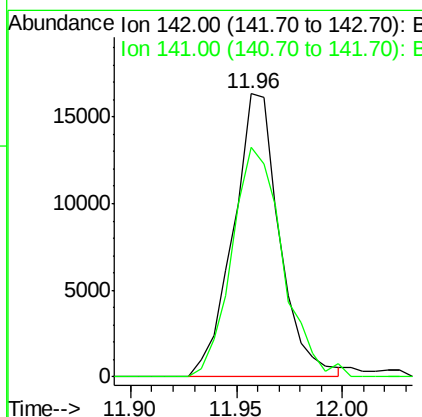
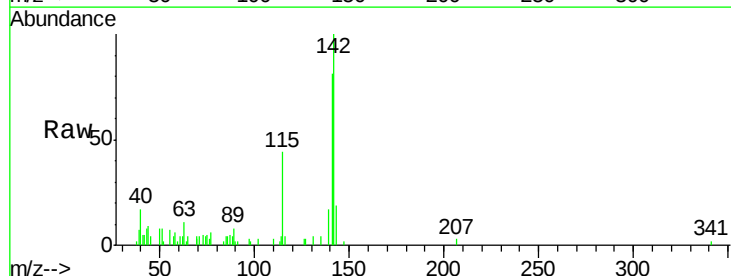
Instrument :
 BNA_M
 ClientSampled :

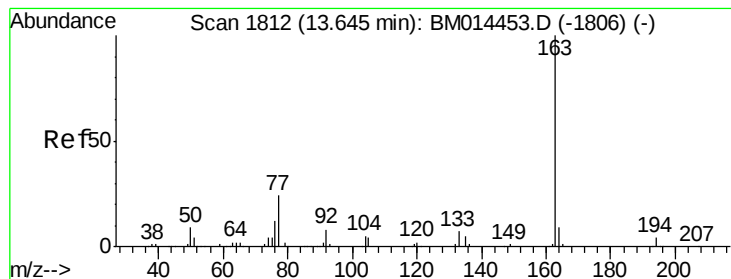
Tot Ion:127 Resp: 8028
 Ion Ratio Lower Upper
 127 100
 129 81.9 28.4 42.6#



#34
 2-Methylnaphthalene
 Concen: 1.267 ng/ul
 RT: 11.96 min Scan# 1525
 Delta R.T. 0.00 min
 Lab File: BM014455.D
 Acq: 02 Mar 2018 11:07

Tgt Ion:142 Resp: 24859
 Ion Ratio Lower Upper
 142 100
 141 80.9 74.1 111.1





#44

Dimethylphthalate

Concen: 6.485 ng/ul

RT: 13.64 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BM014455.D

Acq: 02 Mar 2018 11:07

Instrument :

BNA_M

ClientSampleId :

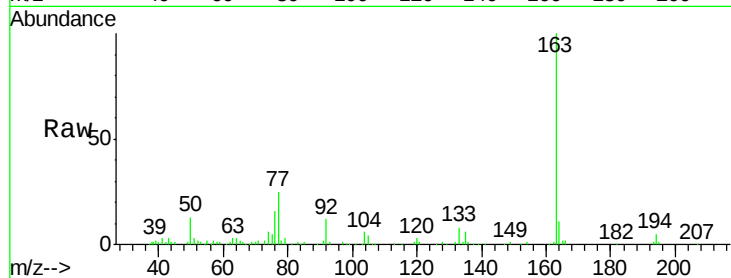
Tot Ion:163 Resp: 165595

Ion Ratio Lower Upper

163 100

194 4.8 3.5 5.3

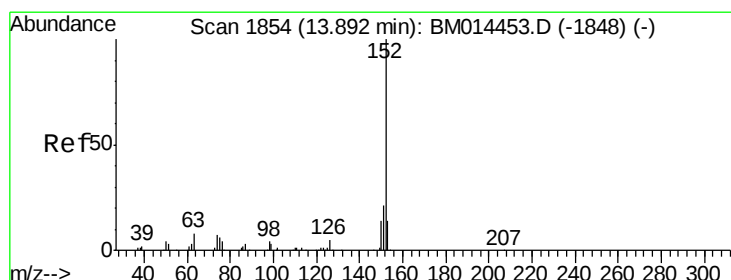
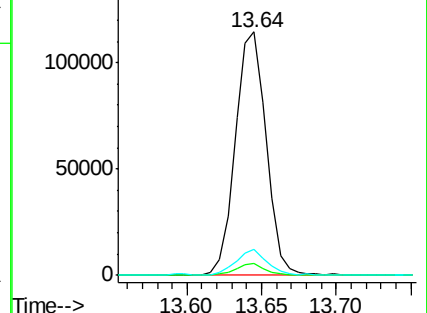
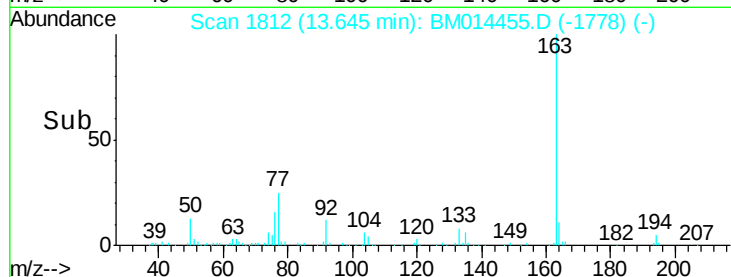
164 10.9 8.2 12.4



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: 7.732 ng/ul

RT: 13.89 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BM014455.D

Acq: 02 Mar 2018 11:07

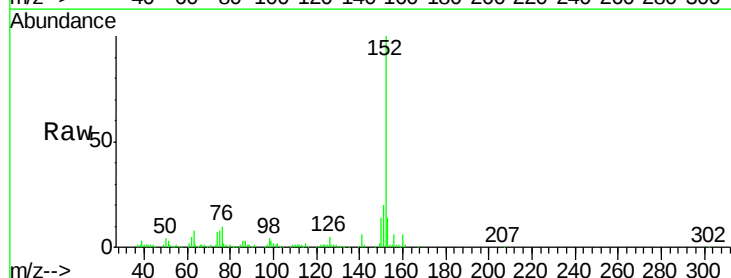
Tgt Ion:152 Resp: 233343

Ion Ratio Lower Upper

152 100

151 19.9 16.3 24.5

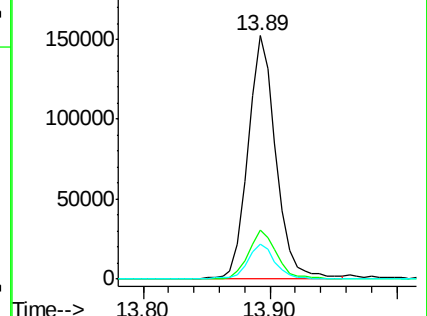
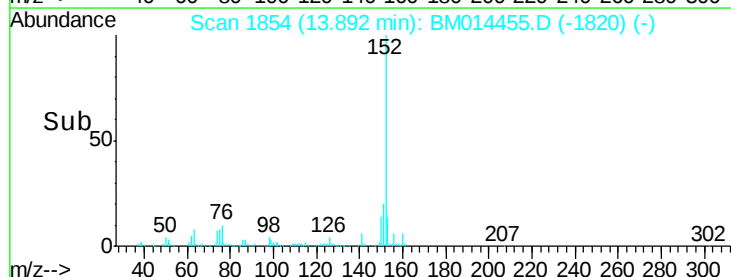
153 14.3 10.2 15.4

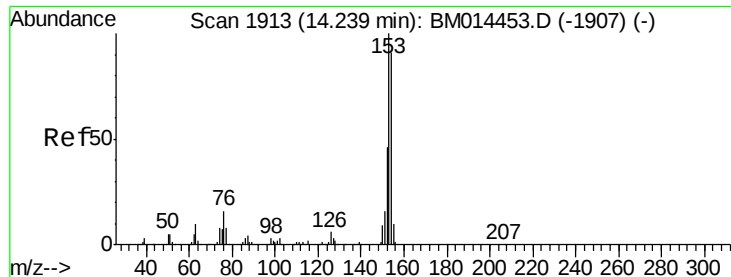


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 7.751 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. 0.00 min

Lab File: BM014455.D

Acq: 02 Mar 2018 11:07

Instrument :

BNA_M

ClientSampleId :

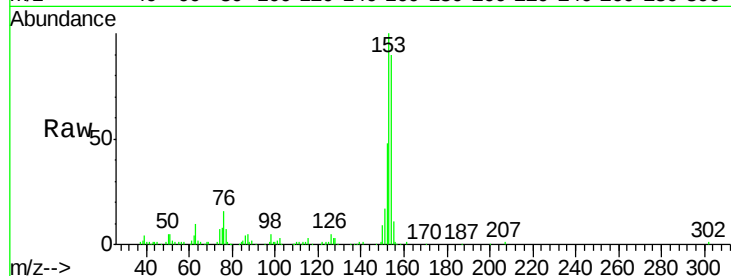
Tot Ion:153 Resp: 164710

Ion Ratio Lower Upper

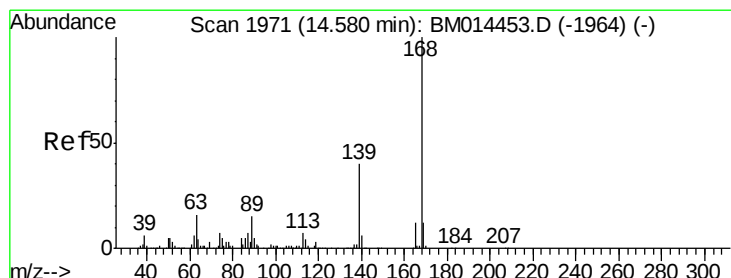
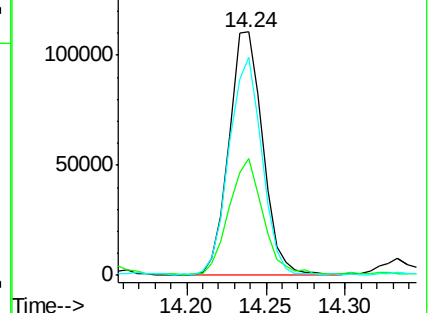
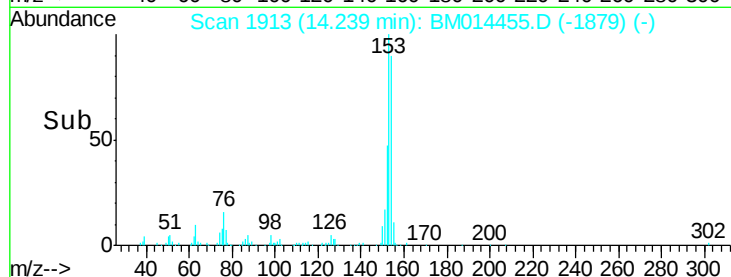
153 100

152 48.1 37.6 56.4

154 89.8 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: 5.960 ng/ul

RT: 14.58 min Scan# 1971

Delta R.T. 0.00 min

Lab File: BM014455.D

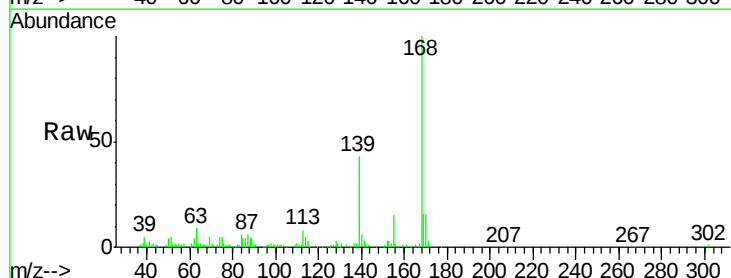
Acq: 02 Mar 2018 11:07

Tgt Ion:168 Resp: 189903

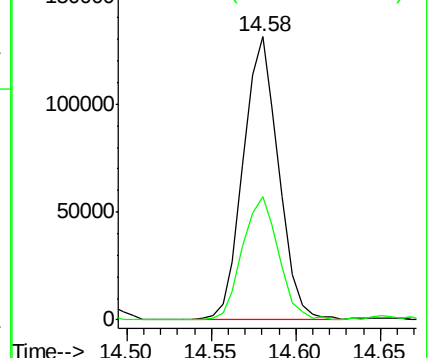
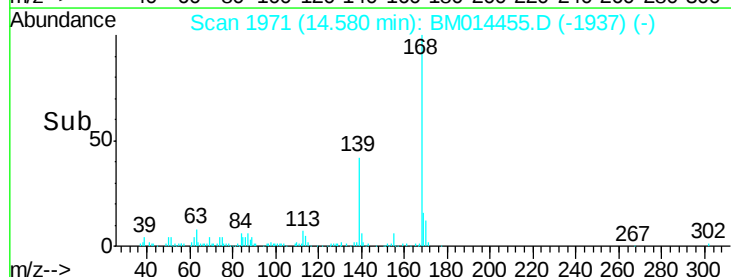
Ion Ratio Lower Upper

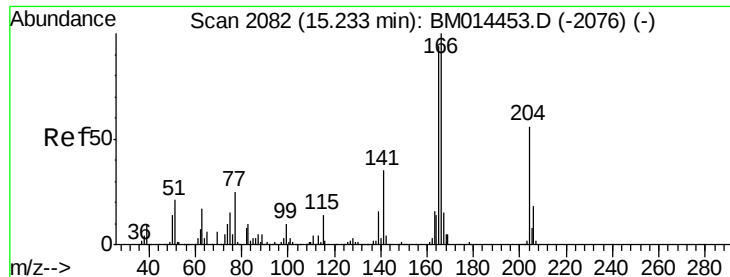
168 100

139 43.4 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: 11.006 ng/ul

RT: 15.23 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BM014455.D

Acq: 02 Mar 2018 11:07

Instrument :

BNA_M

ClientSampleId :

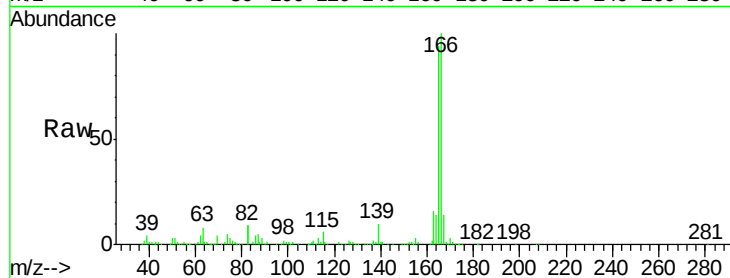
Tot Ion:166 Resp: 302769

Ion Ratio Lower Upper

166 100

165 94.0 77.9 116.9

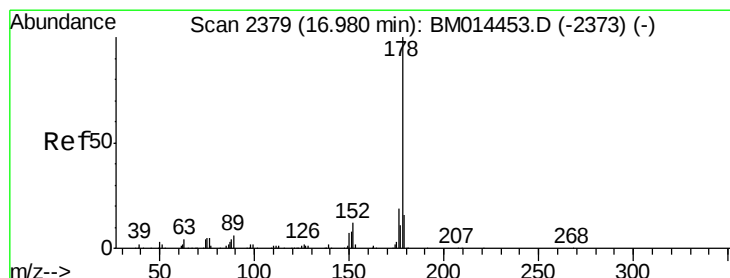
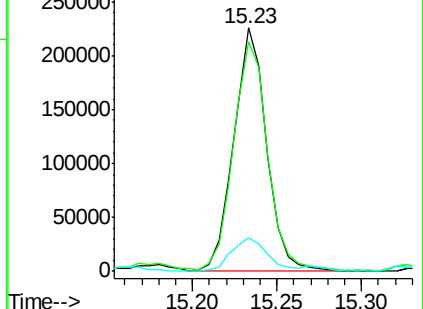
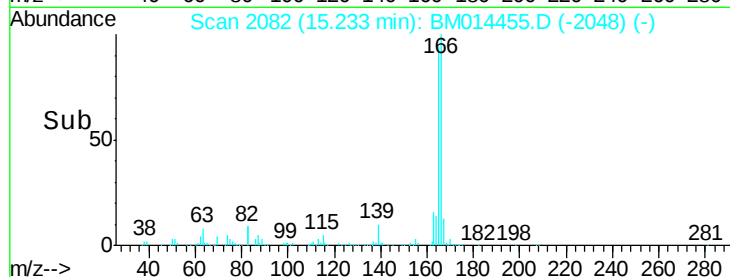
167 14.0 10.6 16.0



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: 154.364 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BM014455.D

Acq: 02 Mar 2018 11:07

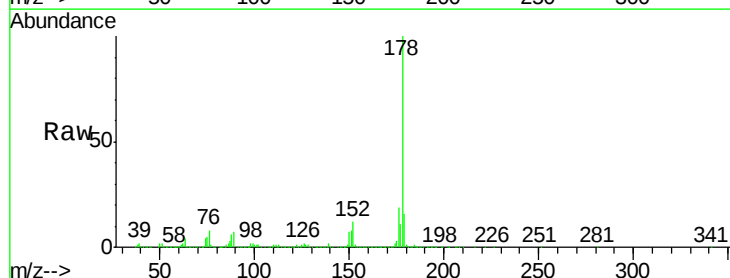
Tgt Ion:178 Resp: 6168524

Ion Ratio Lower Upper

178 100

179 15.9 12.6 19.0

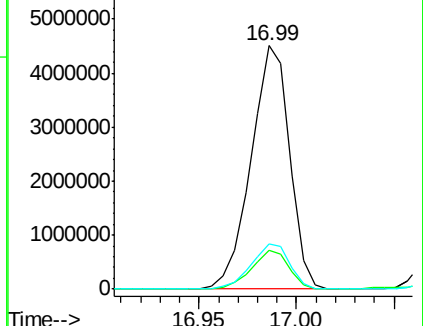
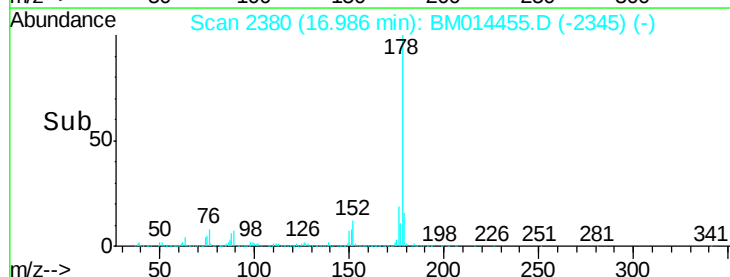
176 18.7 14.9 22.3

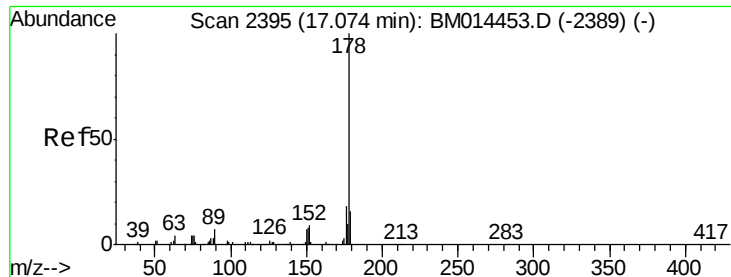


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

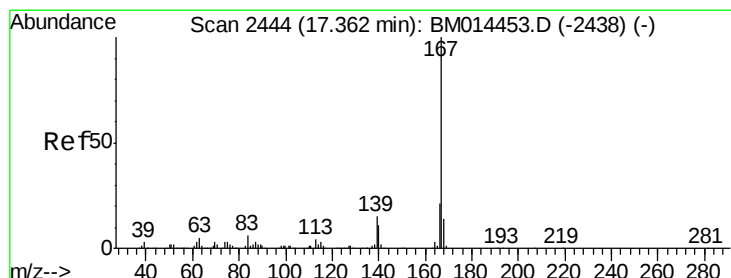
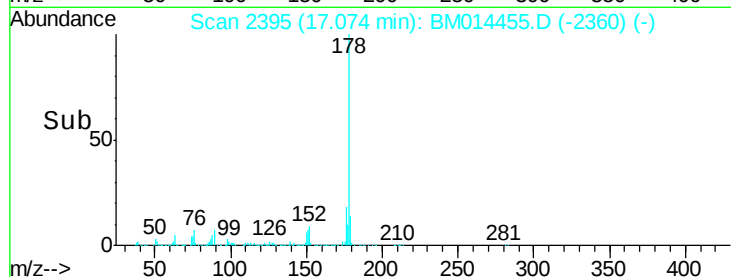
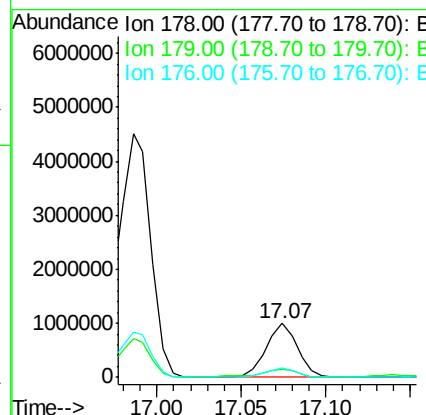
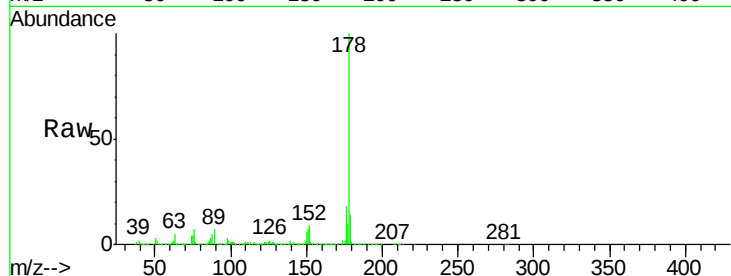




#71
 Anthracene
 Concen: 31.941 ng/ul
 RT: 17.07 min Scan# 2395
 Delta R.T. 0.01 min
 Lab File: BM014455.D
 Acq: 02 Mar 2018 11:07

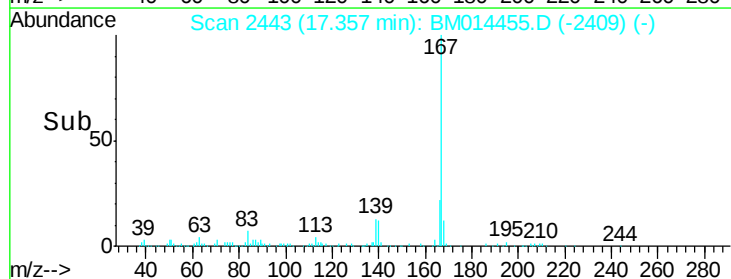
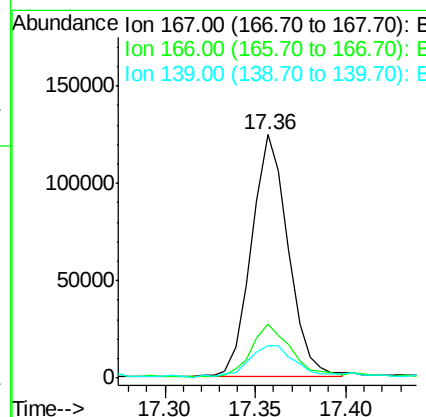
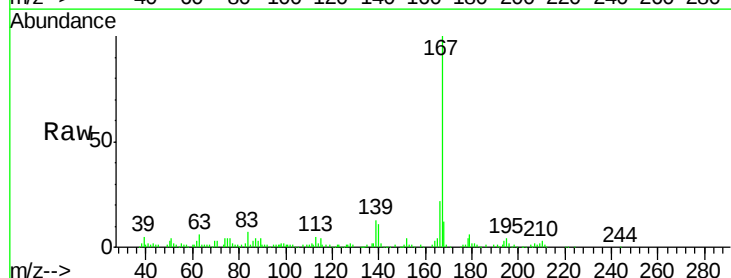
Instrument :
 BNA_M
 ClientSampleId :

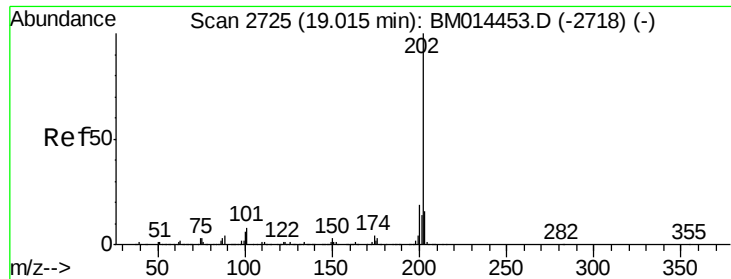
Tot Ion:178 Resp: 1283628
 Ion Ratio Lower Upper
 178 100
 179 14.2 11.7 17.5
 176 18.0 14.6 21.8



#72
 Carbazole
 Concen: 5.165 ng/ul
 RT: 17.36 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BM014455.D
 Acq: 02 Mar 2018 11:07

Tgt Ion:167 Resp: 174541
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.1 25.7
 139 13.4 10.0 15.0





#74

Fluoranthene

Concen: 231.636 ng/ul

RT: 19.03 min Scan# 2727

Delta R.T. 0.02 min

Lab File: BM014455.D

Acq: 02 Mar 2018 11:07

Instrument :

BNA_M

ClientSampleId :

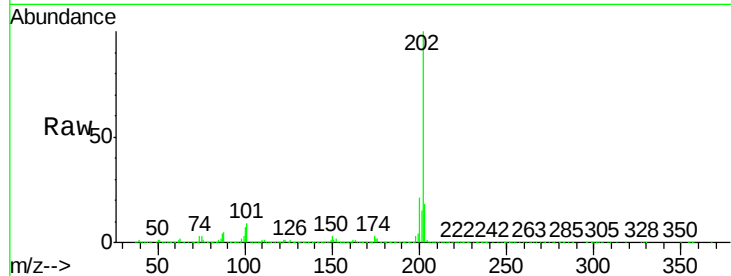
Tot Ion:202 Resp:11058920

Ion Ratio Lower Upper

202 100

101 9.1 4.6 7.0#

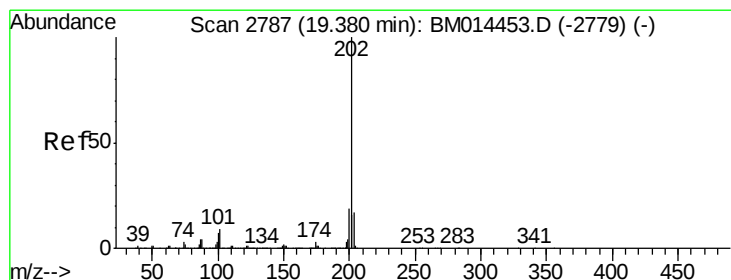
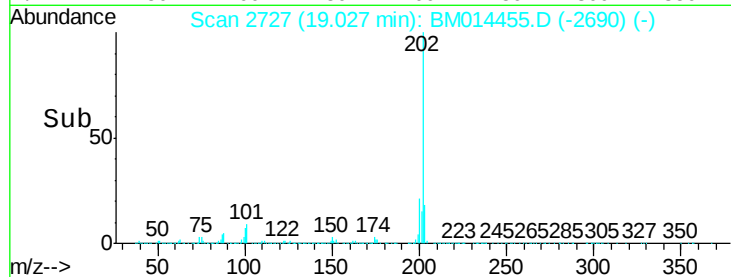
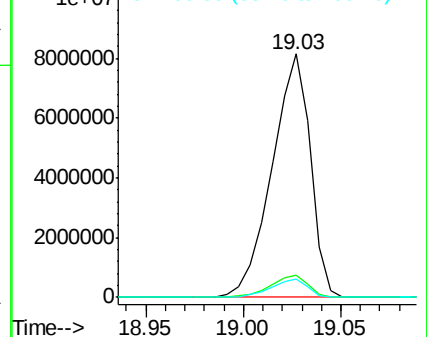
100 7.3 3.4 5.2#



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

Pyrene

Concen: 194.361 ng/ul

RT: 19.39 min Scan# 2789

Delta R.T. 0.02 min

Lab File: BM014455.D

Acq: 02 Mar 2018 11:07

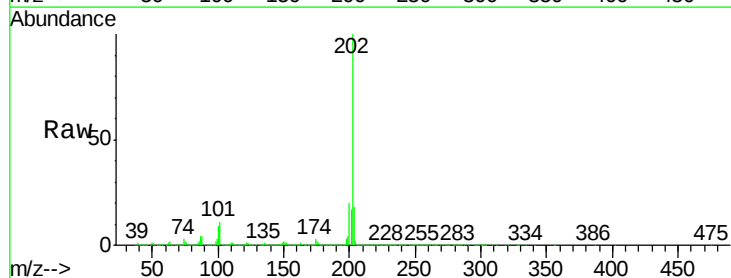
Tgt Ion:202 Resp: 9117450

Ion Ratio Lower Upper

202 100

101 10.6 5.1 7.7#

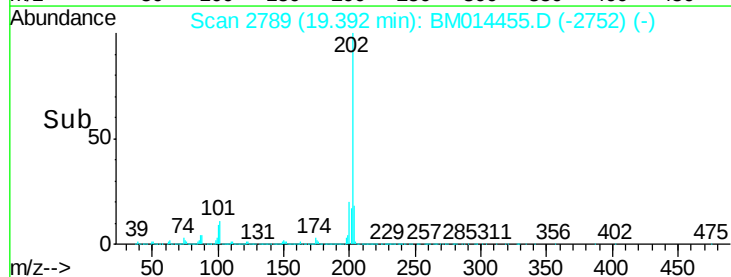
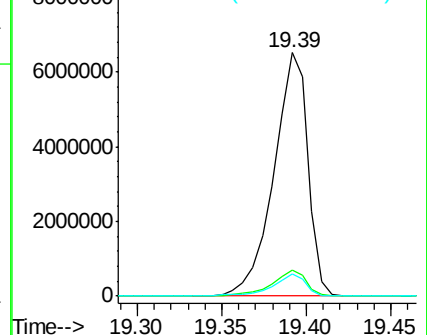
100 8.9 4.9 7.3#

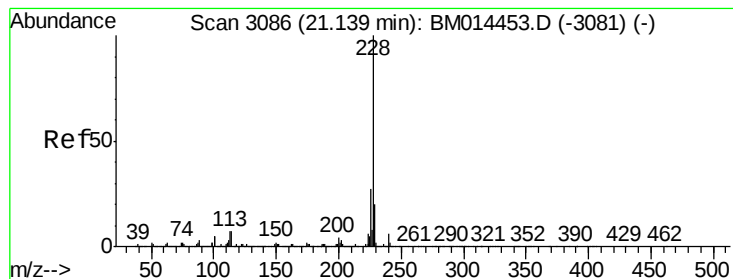


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 98.779 ng/ul

RT: 21.15 min Scan# 3088

Delta R.T. 0.02 min

Lab File: BM014455.D

Acq: 02 Mar 2018 11:07

Instrument :

BNA_M

ClientSampleId :

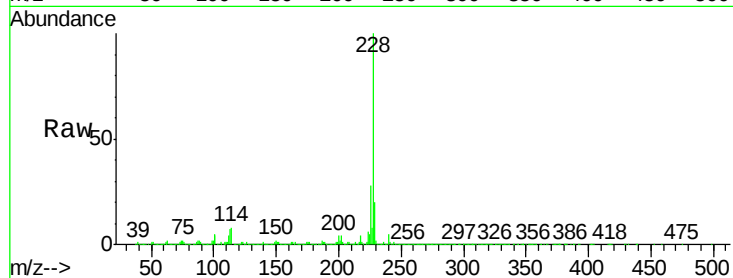
Tot Ion:228 Resp: 4351513

Ion Ratio Lower Upper

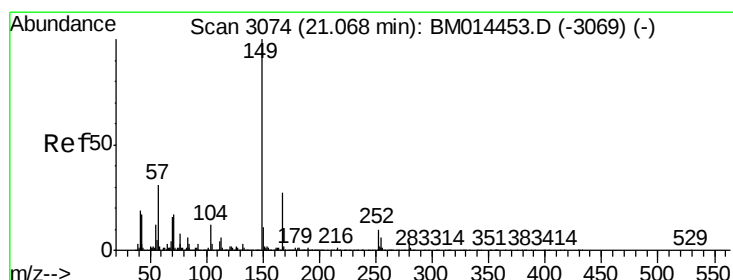
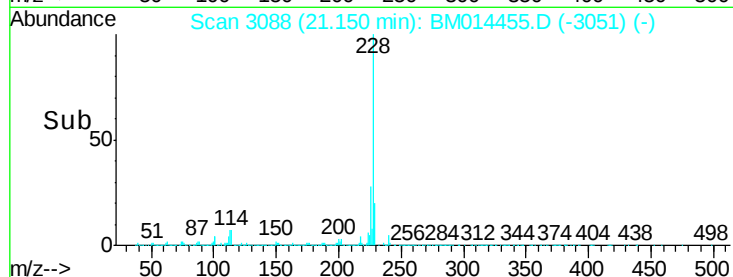
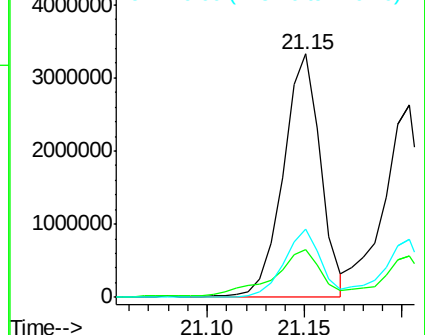
228 100

229 19.9 15.4 23.0

226 27.9 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



#81

Bis(2-ethylhexyl)phthalate

Concen: 147.854 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. 0.01 min

Lab File: BM014455.D

Acq: 02 Mar 2018 11:07

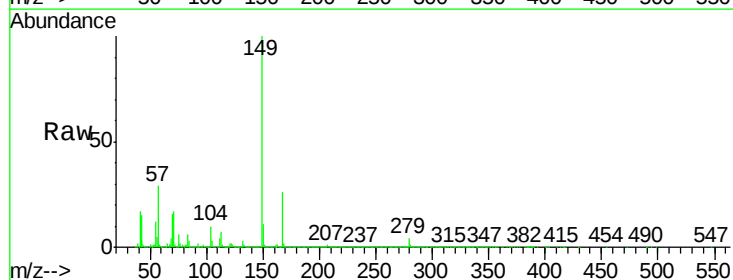
Tgt Ion:149 Resp: 4107173

Ion Ratio Lower Upper

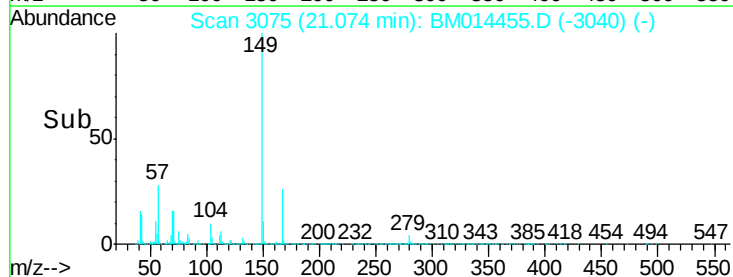
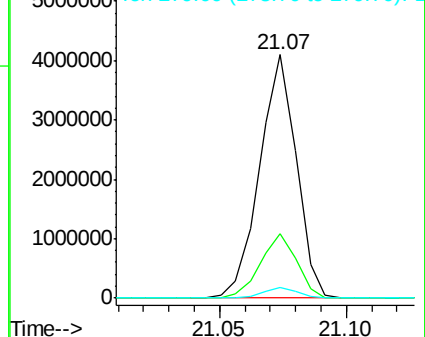
149 100

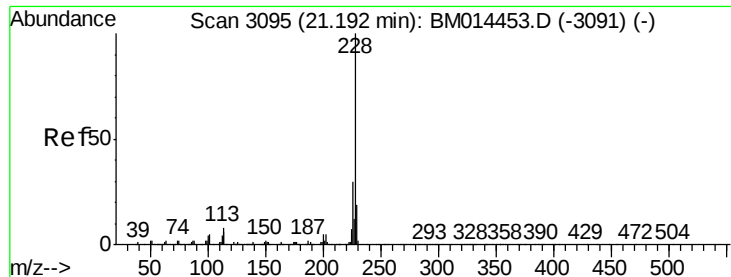
167 26.3 22.8 34.2

279 4.2 4.9 7.3#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 84.830 ng/ul

RT: 21.20 min Scan# 3097

Delta R.T. 0.02 min

Lab File: BM014455.D

Acq: 02 Mar 2018 11:07

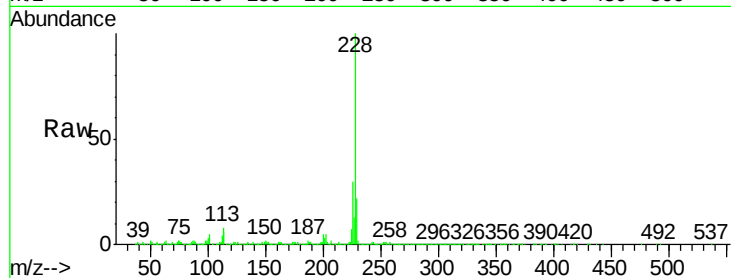
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 3486152

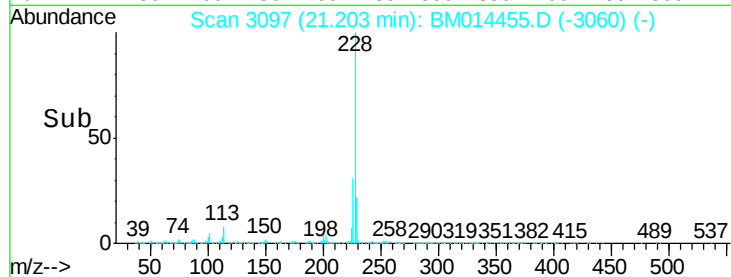
Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.4	35.2
229	21.8	15.5	23.3



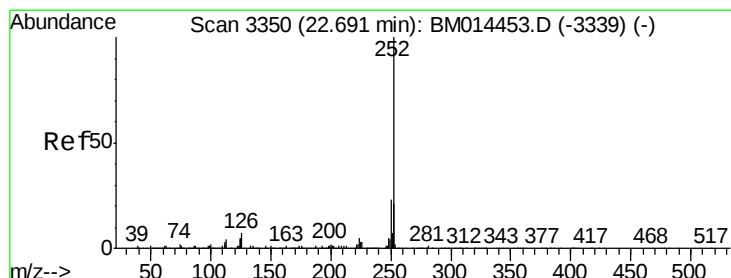
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 100.892 ng/ul

RT: 22.70 min Scan# 3352

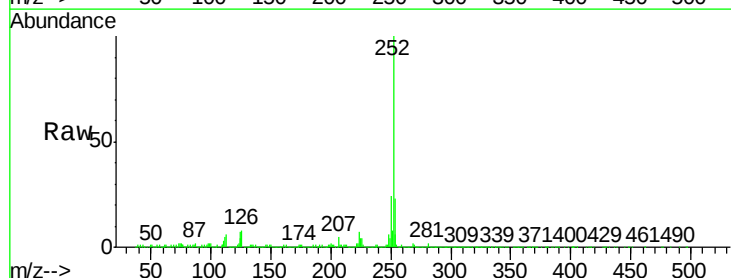
Delta R.T. 0.02 min

Lab File: BM014455.D

Acq: 02 Mar 2018 11:07

Tgt Ion:252 Resp: 3365123

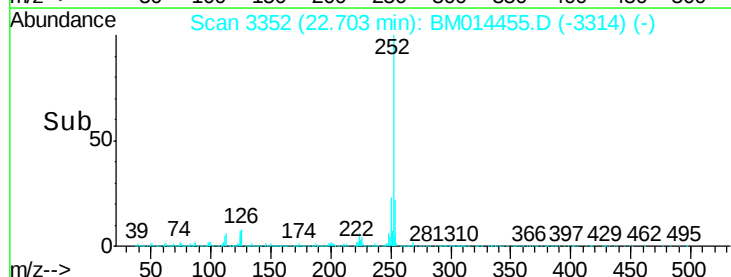
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	7.4	3.6	5.4



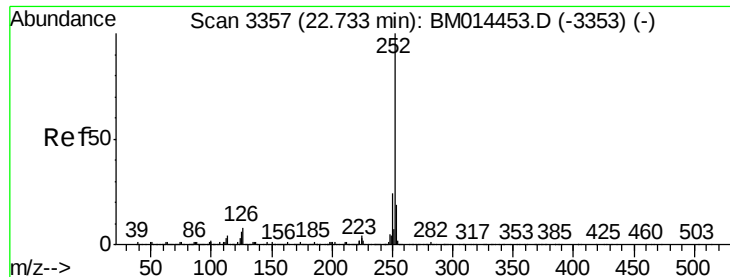
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#86

Benzo(k)fluoranthene

Concen: 106.117 ng/ul

RT: 22.70 min Scan# 3352

Delta R.T. -0.02 min

Lab File: BM014455.D

Acq: 02 Mar 2018 11:07

Instrument :

BNA_M

ClientSampleId :

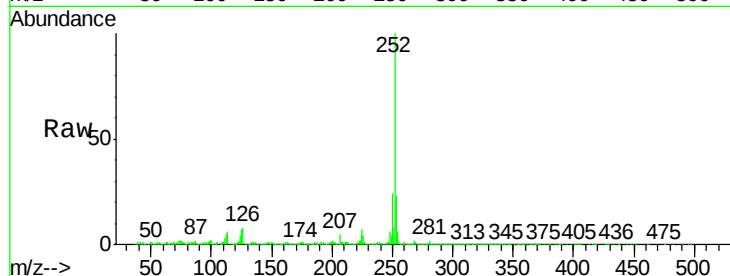
Tot Ion:252 Resp: 3365123

Ion Ratio Lower Upper

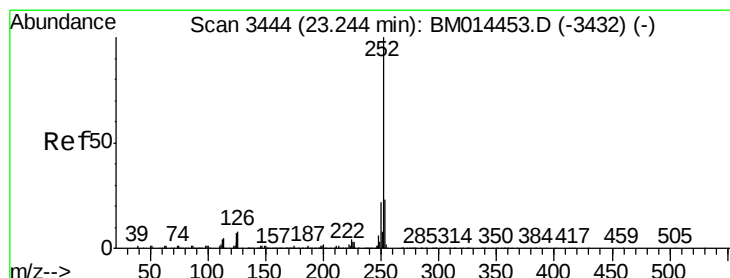
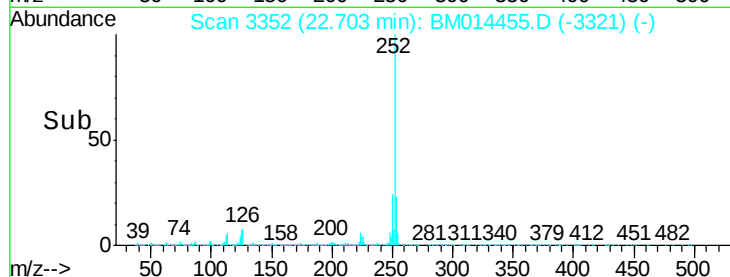
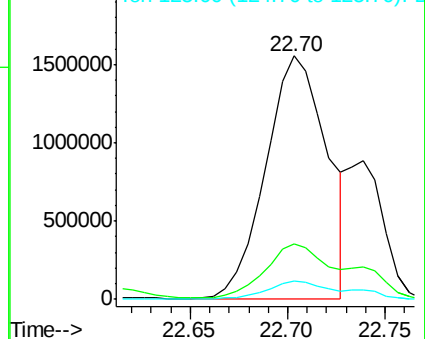
252 100

253 23.0 17.1 25.7

125 7.4 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: 75.685 ng/ul

RT: 23.26 min Scan# 3446

Delta R.T. 0.02 min

Lab File: BM014455.D

Acq: 02 Mar 2018 11:07

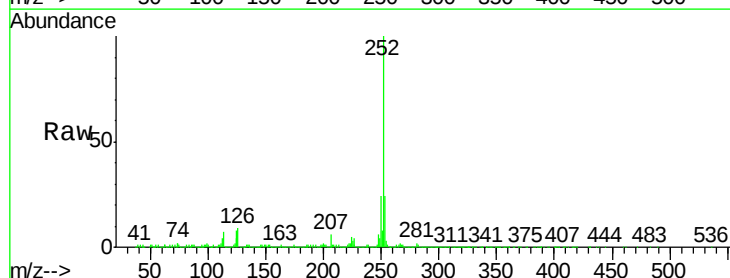
Tgt Ion:252 Resp: 2255797

Ion Ratio Lower Upper

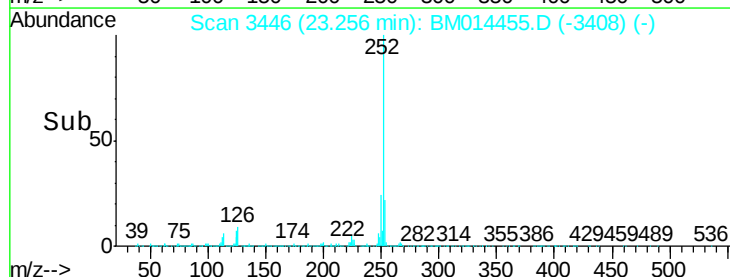
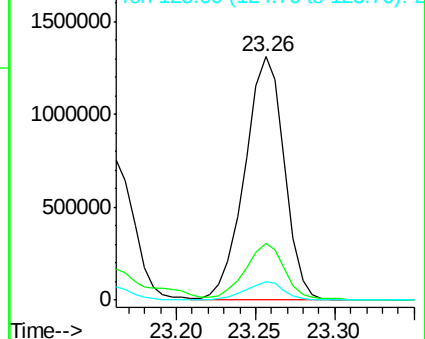
252 100

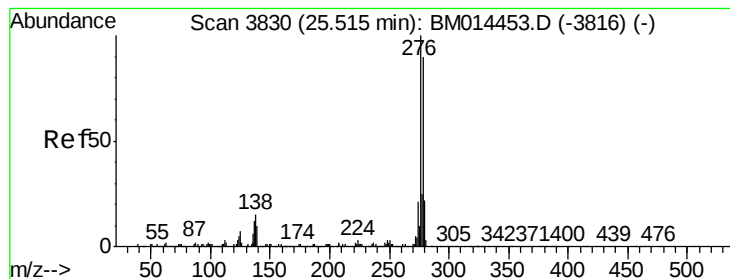
253 23.6 18.2 27.2

125 7.7 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



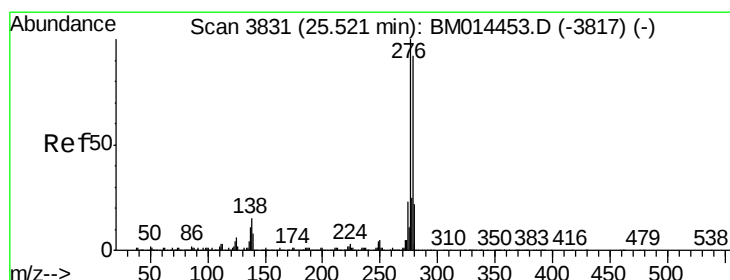
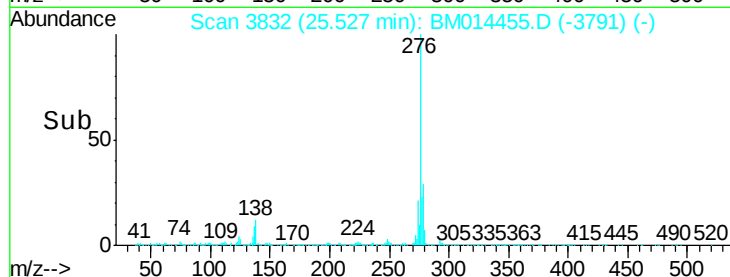
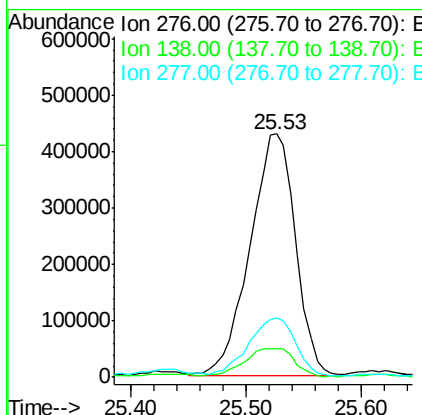
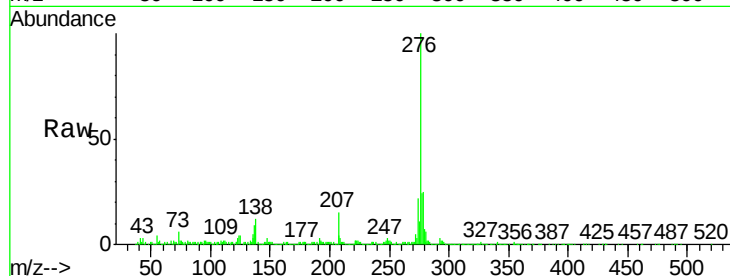


#89

Indeno(1,2,3-cd)pyrene
Concen: 40.576 ng/ul
RT: 25.53 min Scan# 3832
Delta R.T. 0.04 min
Lab File: BM014455.D
Acq: 02 Mar 2018 11:07

Instrument :
BNA_M
ClientSampled :

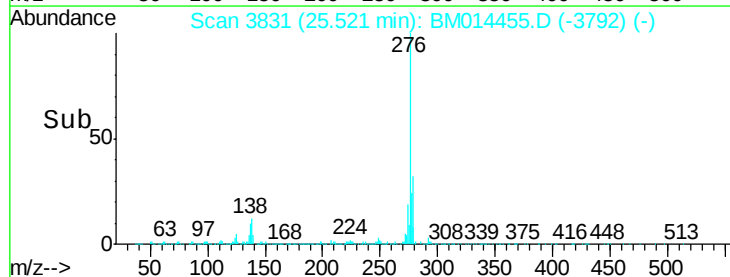
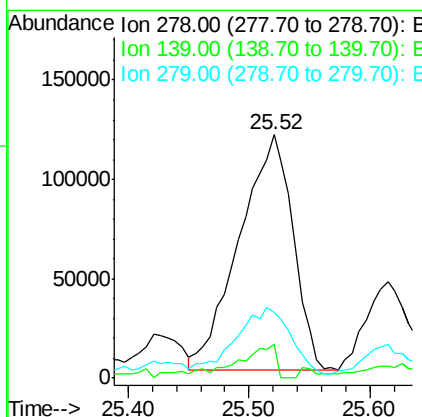
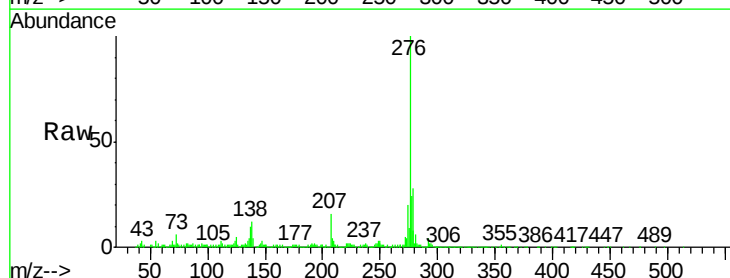
Tot Ion:276 Resp: 1173536
Ion Ratio Lower Upper
276 100
138 12.0 9.3 13.9
277 24.2 19.9 29.9

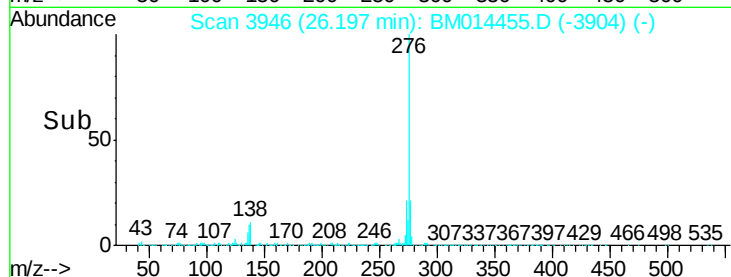
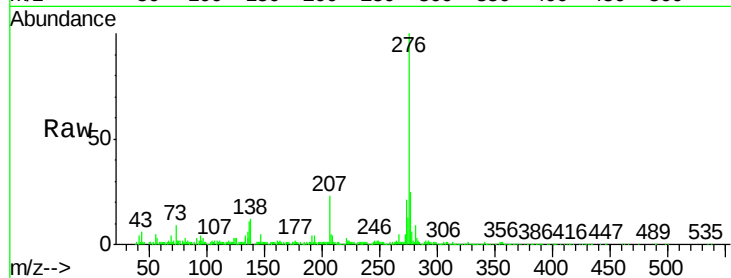
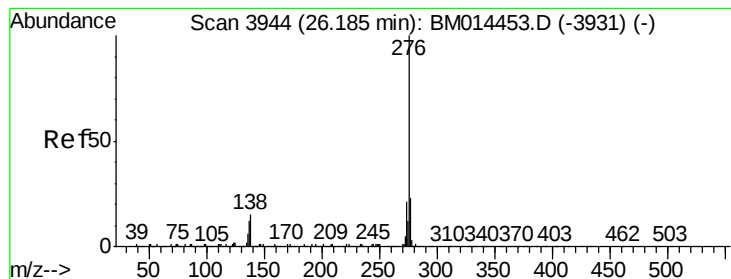


#90

Dibenzo(a,h)anthracene
Concen: 15.164 ng/ul
RT: 25.52 min Scan# 3831
Delta R.T. 0.03 min
Lab File: BM014455.D
Acq: 02 Mar 2018 11:07

Tgt Ion:278 Resp: 364428
Ion Ratio Lower Upper
278 100
139 13.8 5.8 8.8#
279 26.8 18.6 27.8





#91

Benzo(a,h,i)perylene

Concen: 36.052 ng/ul

RT: 26.20 min Scan# 3946

Delta R.T. 0.05 min

Lab File: BM014455.D

Acq: 02 Mar 2018 11:07

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 844670

Ion Ratio Lower Upper

276 100

138 12.3 8.5 12.7

277 24.9 18.6 28.0

