

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030218\
 Data File : BM014458.D
 Acq On : 02 Mar 2018 12:55
 Operator : SJ/JU
 Sample : J1678-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 02 14:57:15 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	120855	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	554280	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	332007	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	718308	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	625531	20.00	ng/ul	0.00
83) Perylene-d12	23.34	264	506809	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	14538	5.15	ng/uL	0.00
5) Phenol-d5	6.73	99	362066	35.45	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.86	67	213751	34.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	293857	37.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	303119	33.91	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	150893	36.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	171930	40.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	300083	34.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	349597	40.41	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	1028320	37.51	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1288545	38.11	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	124391	32.86	ng/ul	0.04
57) Fluorene-d10	15.18	176	841234	34.25	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	55600	12.90	ng/ul	0.02
70) Anthracene-d10	17.04	188	1266017	36.53	ng/ul	0.00
76) Pyrene-d10	19.36	212	1330681	41.24	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.21	264	881478	35.74	ng/ul	0.02

Target Compounds

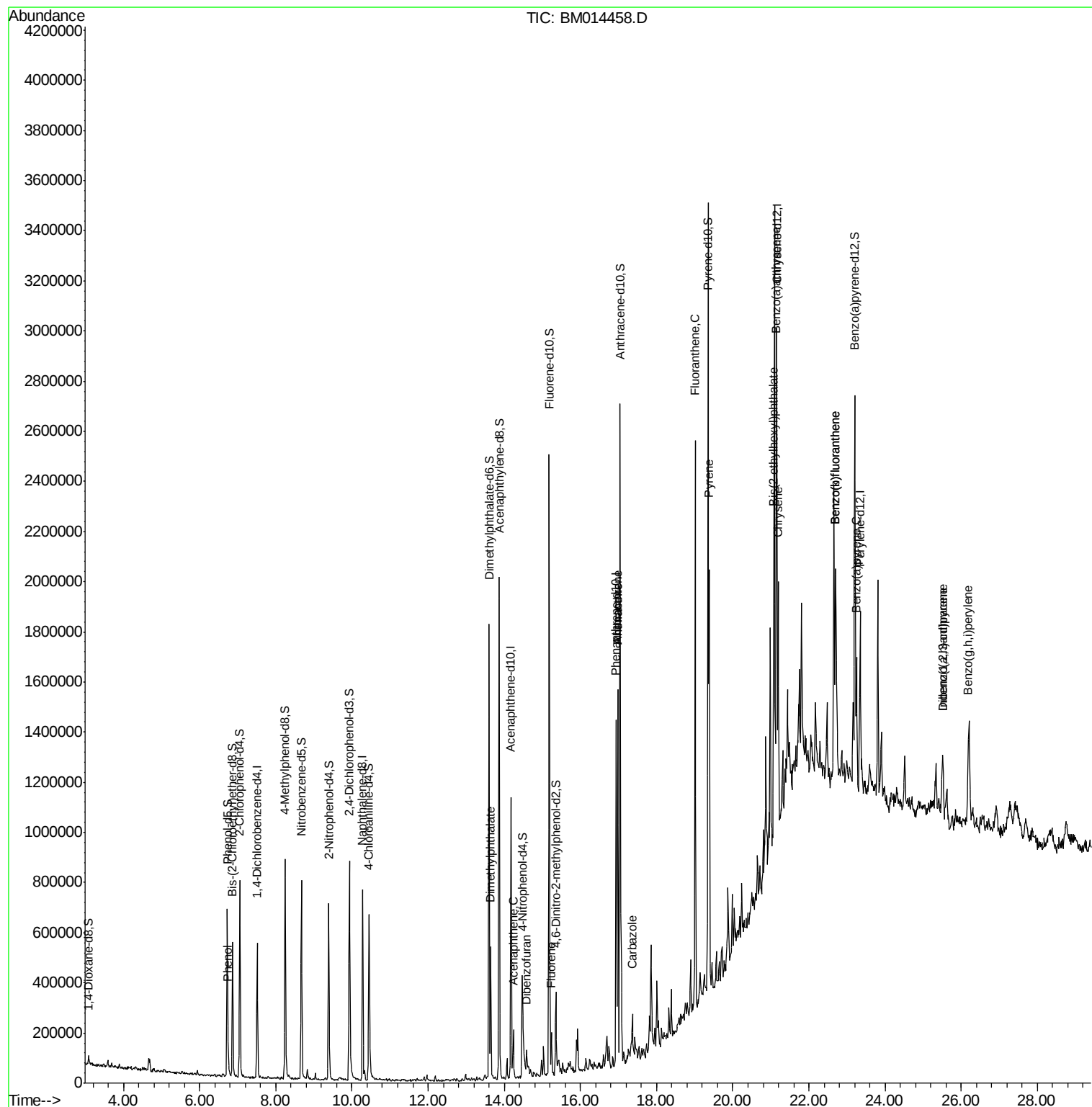
					Ovalue	
6) Phenol	6.75	94	21561	2.012	ng/ul	92
44) Dimethylphthalate	13.65	163	257512	9.525	ng/ul	98
49) Acenaphthene	14.24	153	68575	3.048	ng/ul	97
53) Dibenzofuran	14.59	168	40694	1.206	ng/ul	100
58) Fluorene	15.24	166	61407	2.108	ng/ul	96
69) Phenanthrene	16.99	178	838555	20.262	ng/ul	97
71) Anthracene	16.99	178	838555	20.147	ng/ul	98
72) Carbazole	17.36	167	94680	2.705	ng/ul	97
74) Fluoranthene	19.02	202	1226312	24.801	ng/ul#	95
77) Pyrene	19.38	202	1025719	24.674	ng/ul#	93
80) Benzo(a)anthracene	21.14	228	507590	13.002	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.07	149	310987	12.633	ng/ul#	94
82) Chrysene	21.20	228	460867	12.655	ng/ul	96
85) Benzo(b)fluoranthene	22.70	252	495331	14.596	ng/ul#	97
86) Benzo(k)fluoranthene	22.70	252	495331	15.352	ng/ul#	95
88) Benzo(a)pyrene	23.25	252	325709	10.741	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.51	276	194985	6.626	ng/ul	98
90) Dibenzo(a,h)anthracene	25.51	278	32819	1.342	ng/ul#	77
91) Benzo(g,h,i)perylene	26.18	276	155323	6.516	ng/ul#	94

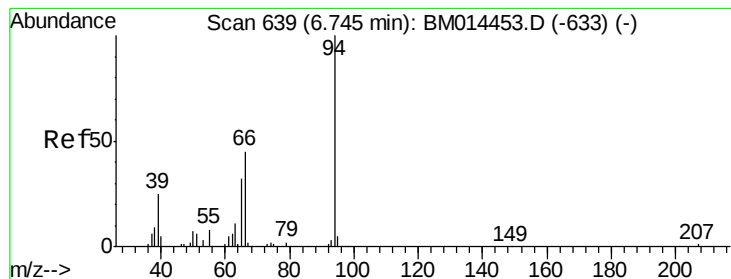
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#6

Phenol

Concen: 2.012 ng/ul

RT: 6.75 min Scan# 640

Delta R.T. 0.01 min

Lab File: BM014458.D

Acq: 02 Mar 2018 12:55

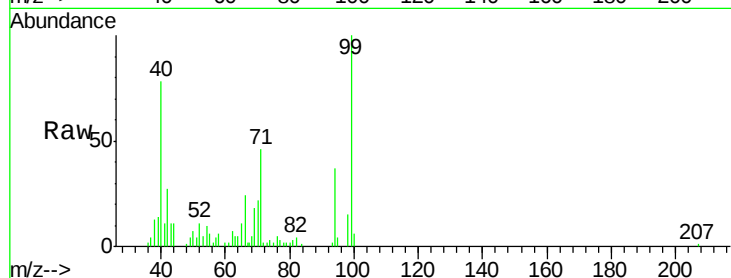
Instrument :

BNA_M

ClientSampled :

Tot Ion: 94 Resp: 21561

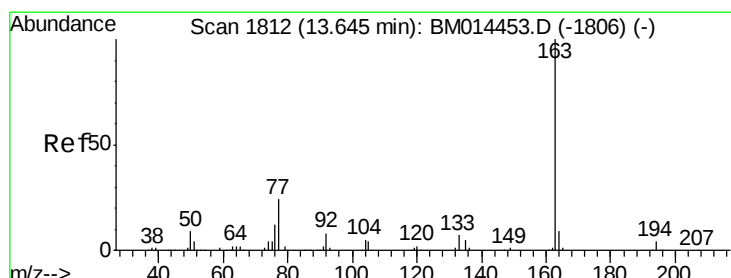
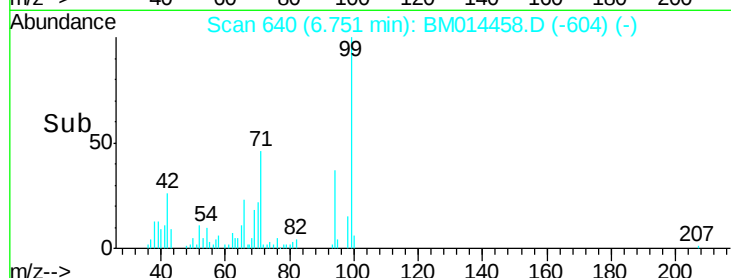
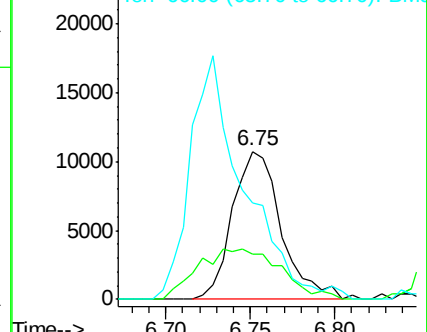
Ion	Ratio	Lower	Upper
94	100		
65	30.6	28.2	42.4
66	65.4	47.2	70.8



Abundance Ion 94.00 (93.70 to 94.70): BM014453.D (-633) (-)

Ion 65.00 (64.70 to 65.70): BM014453.D (-633) (-)

Ion 66.00 (65.70 to 66.70): BM014453.D (-633) (-)



#44

Dimethylphthalate

Concen: 9.525 ng/ul

RT: 13.65 min Scan# 1812

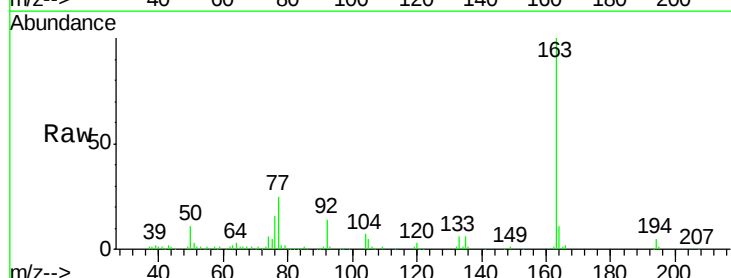
Delta R.T. 0.00 min

Lab File: BM014458.D

Acq: 02 Mar 2018 12:55

Tgt Ion: 163 Resp: 257512

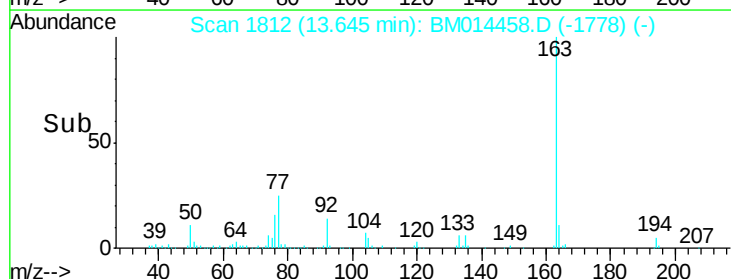
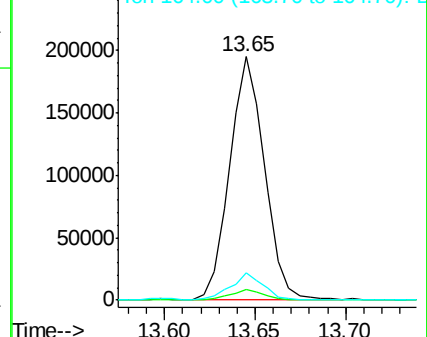
Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	11.2	8.2	12.4

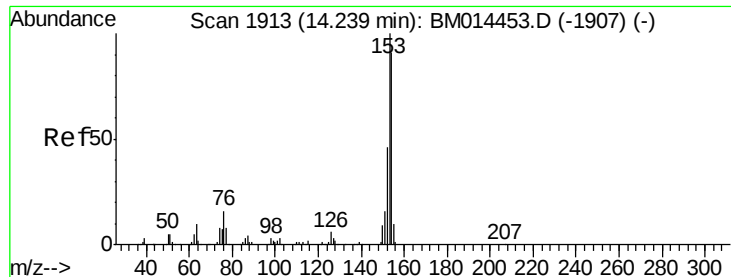


Abundance Ion 163.00 (162.70 to 163.70): BM014453.D (-1806) (-)

Ion 194.00 (193.70 to 194.70): BM014453.D (-1806) (-)

Ion 164.00 (163.70 to 164.70): BM014453.D (-1806) (-)





#49

Acenaphthene

Concen: 3.048 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. 0.00 min

Lab File: BM014458.D

Acq: 02 Mar 2018 12:55

Instrument :

BNA_M

ClientSampleId :

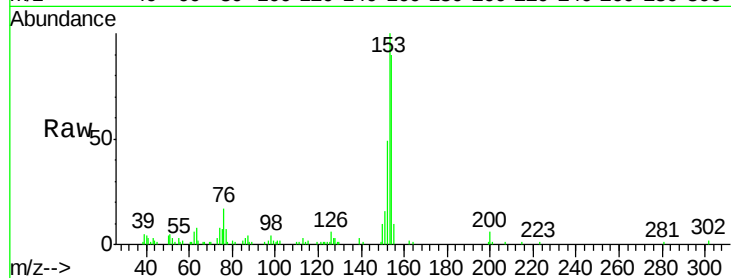
Tot Ion:153 Resp: 68575

Ion Ratio Lower Upper

153 100

152 48.9 37.6 56.4

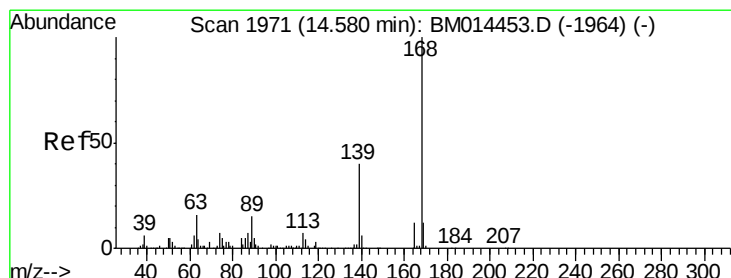
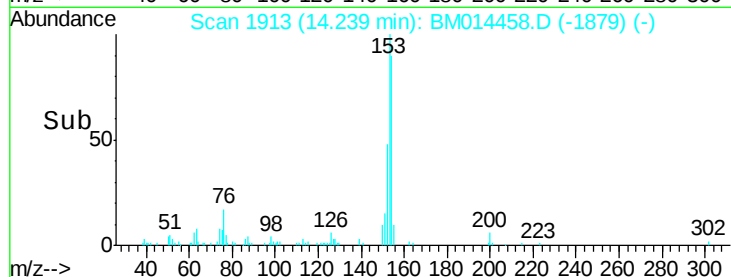
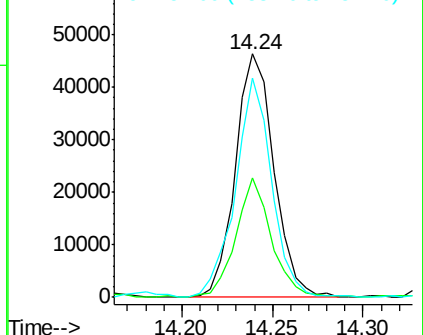
154 90.3 70.4 105.6



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: 1.206 ng/ul

RT: 14.59 min Scan# 1972

Delta R.T. 0.01 min

Lab File: BM014458.D

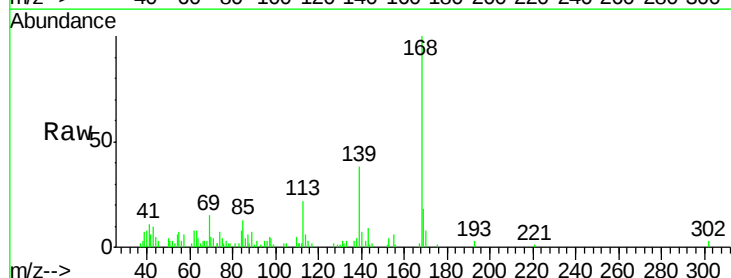
Acq: 02 Mar 2018 12:55

Tgt Ion:168 Resp: 40694

Ion Ratio Lower Upper

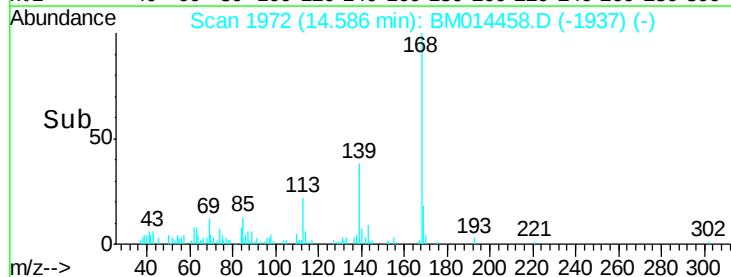
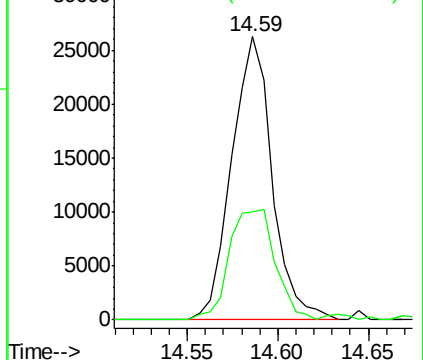
168 100

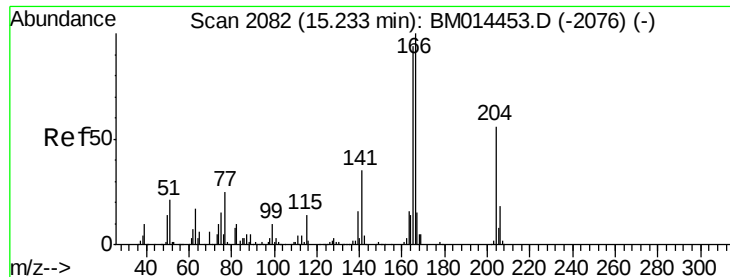
139 38.4 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.108 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. 0.01 min

Lab File: BM014458.D

Acq: 02 Mar 2018 12:55

Instrument :

BNA_M

ClientSampleId :

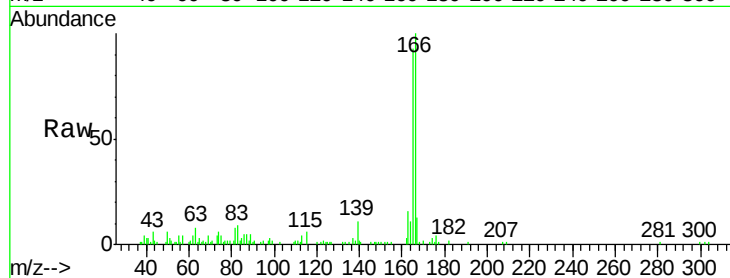
Tot Ion:166 Resp: 61407

Ion Ratio Lower Upper

166 100

165 93.4 77.9 116.9

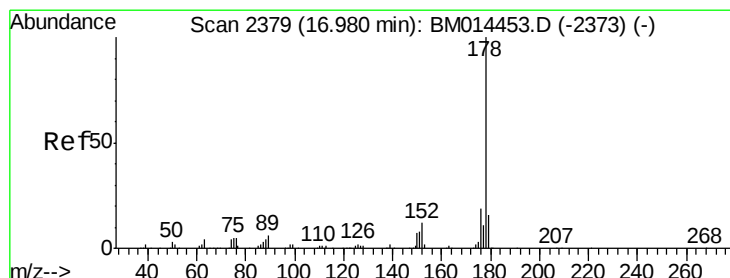
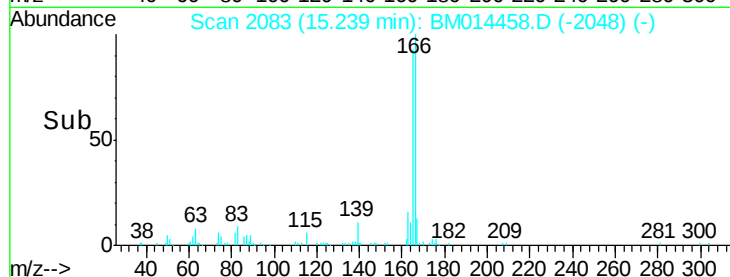
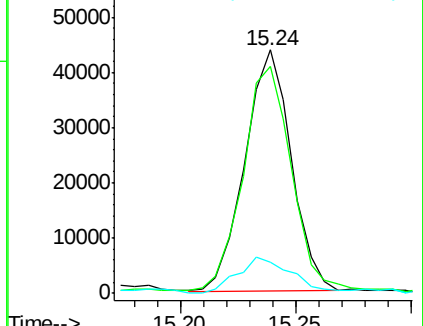
167 12.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 20.262 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BM014458.D

Acq: 02 Mar 2018 12:55

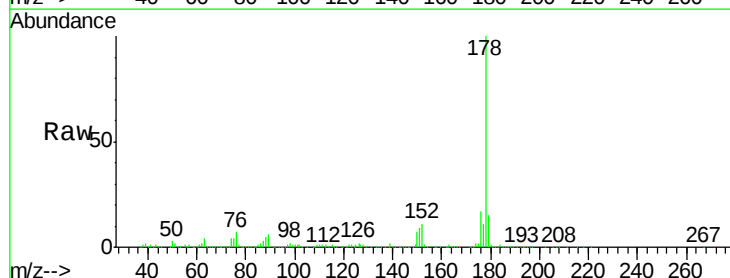
Tgt Ion:178 Resp: 838555

Ion Ratio Lower Upper

178 100

179 15.0 12.6 19.0

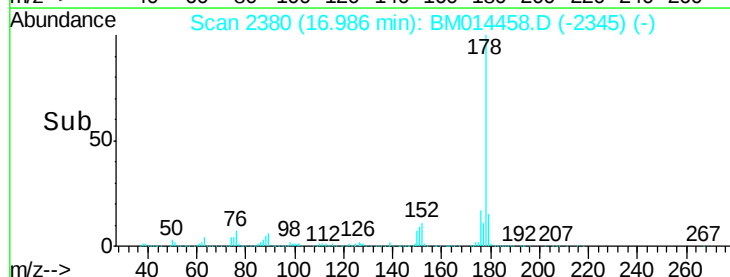
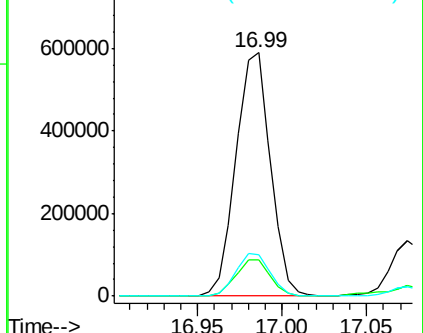
176 17.0 14.9 22.3

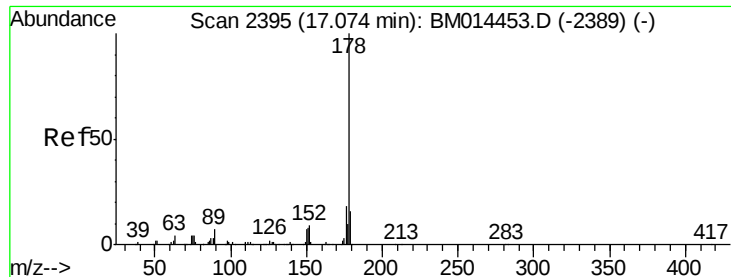


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

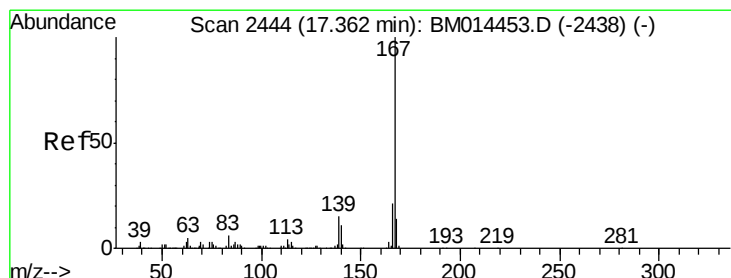
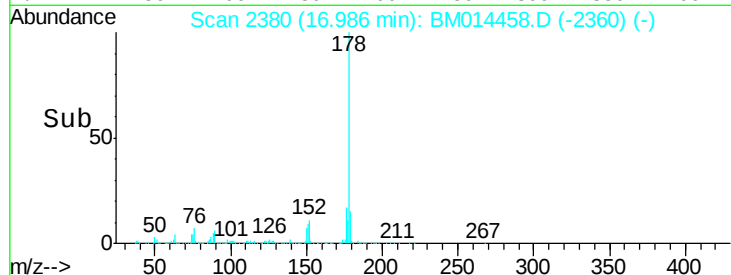
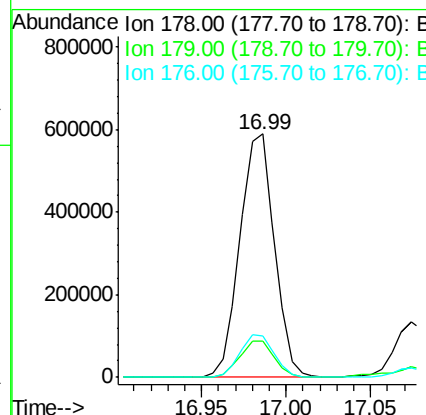
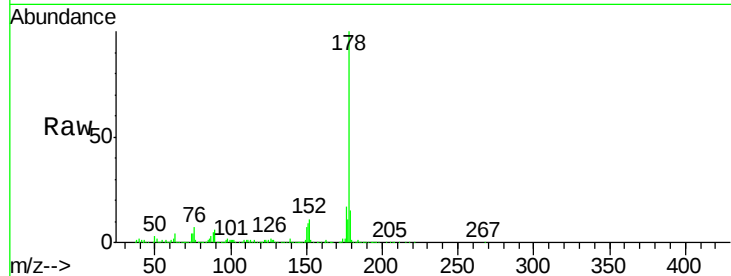




#71
 Anthracene
 Concen: 20.147 ng/ul
 RT: 16.99 min Scan# 2380
 Delta R.T. -0.08 min
 Lab File: BM014458.D
 Acq: 02 Mar 2018 12:55

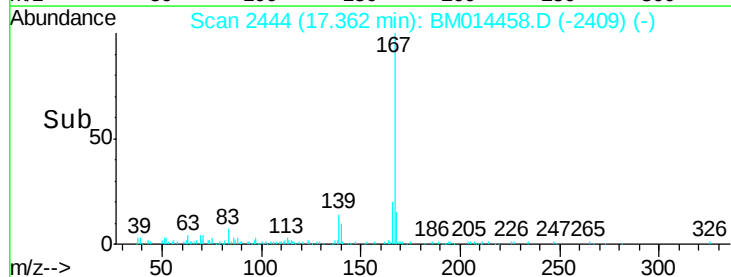
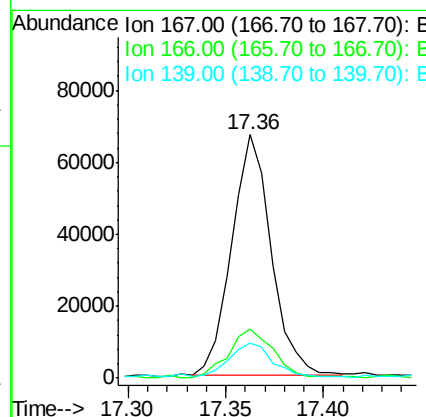
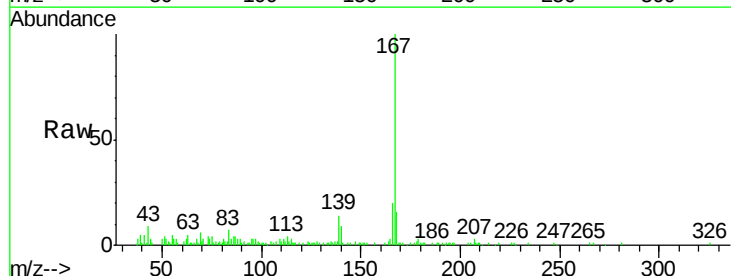
Instrument :
 BNA_M
 ClientSampleId :

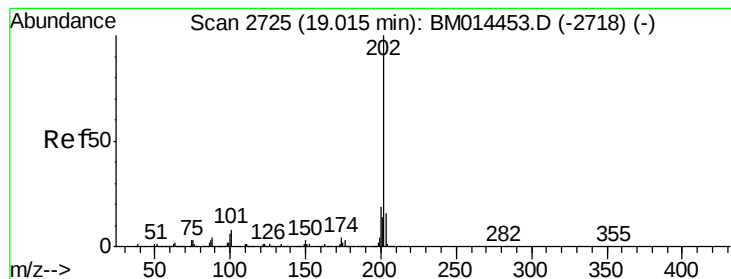
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.0	11.7	17.5
176	17.0	14.6	21.8



#72
 Carbazole
 Concen: 2.705 ng/ul
 RT: 17.36 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BM014458.D
 Acq: 02 Mar 2018 12:55

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.3	17.1	25.7
139	14.4	10.0	15.0





#74

Fluoranthene

Concen: 24.801 ng/ul

RT: 19.02 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BM014458.D

Acq: 02 Mar 2018 12:55

Instrument :

BNA_M

ClientSampleId :

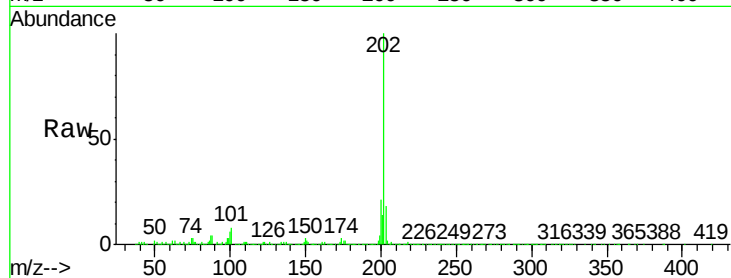
Tot Ion:202 Resp: 1226312

Ion Ratio Lower Upper

202 100

101 7.8 4.6 7.0#

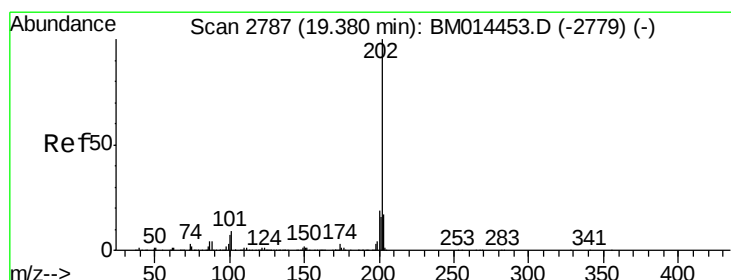
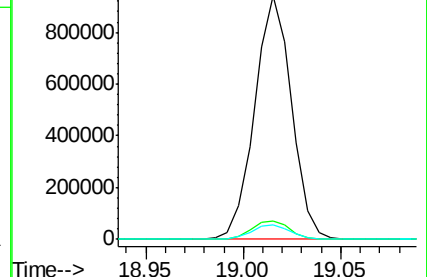
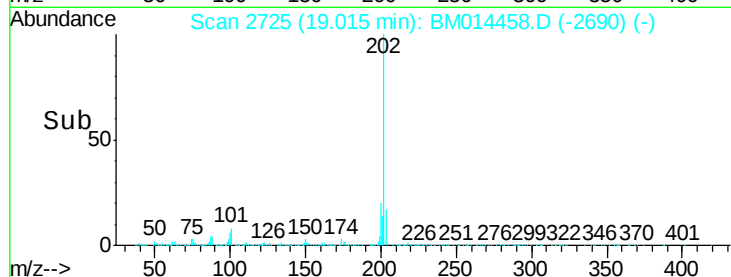
100 5.8 3.4 5.2#



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: 24.674 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM014458.D

Acq: 02 Mar 2018 12:55

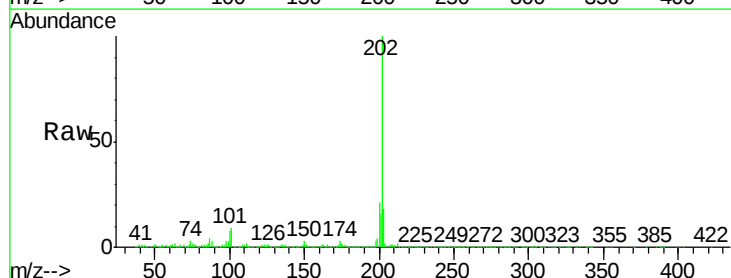
Tgt Ion:202 Resp: 1025719

Ion Ratio Lower Upper

202 100

101 9.3 5.1 7.7#

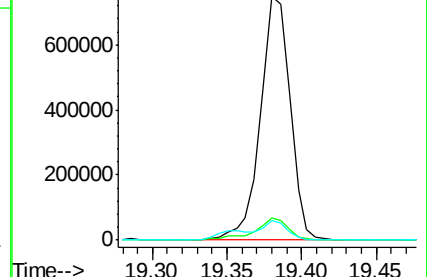
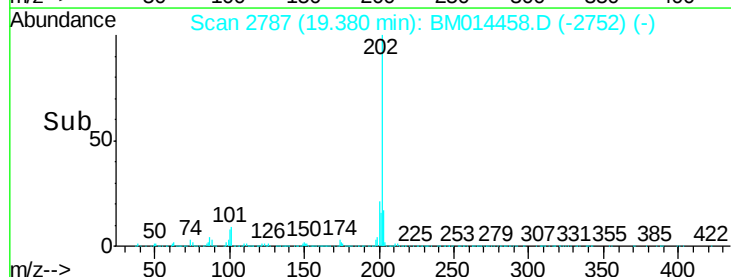
100 8.0 4.9 7.3#

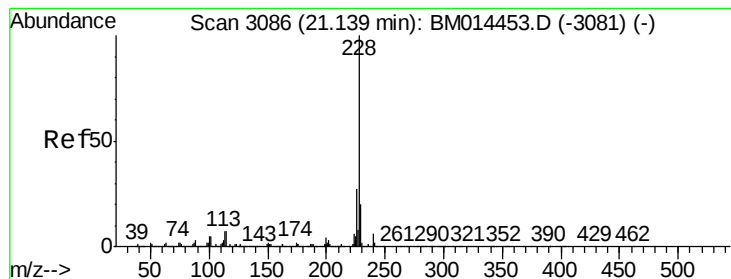


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 13.002 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM014458.D

Acq: 02 Mar 2018 12:55

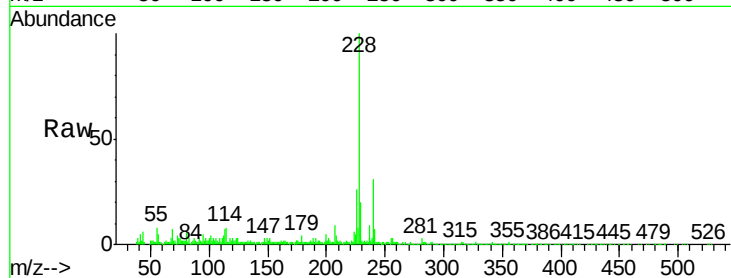
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 507590

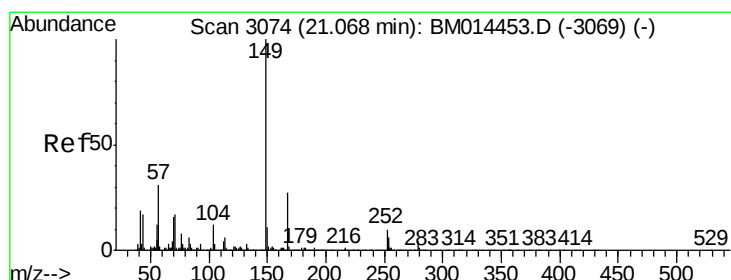
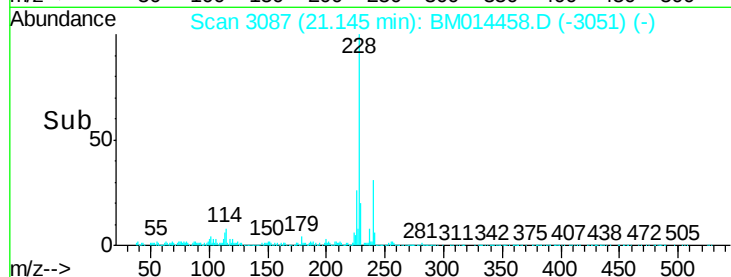
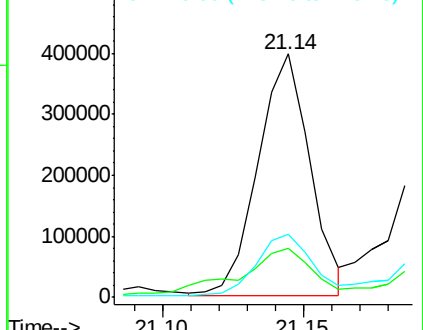
Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.4	23.0
226	25.9	21.4	32.0



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: 12.633 ng/ul

RT: 21.07 min Scan# 3074

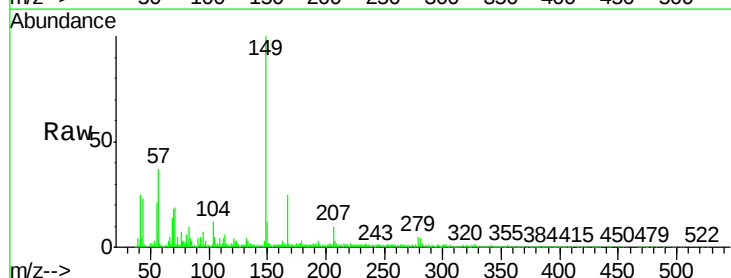
Delta R.T. 0.00 min

Lab File: BM014458.D

Acq: 02 Mar 2018 12:55

Tgt Ion:149 Resp: 310987

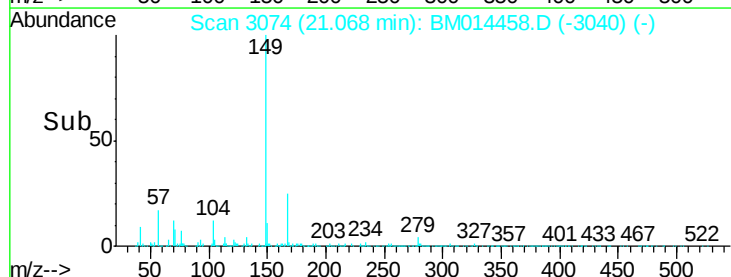
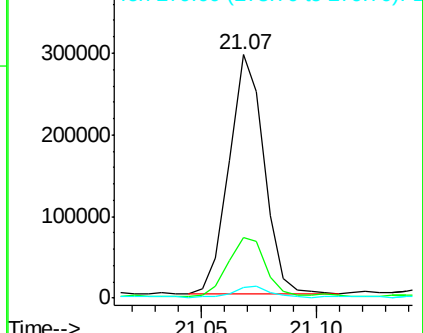
Ion	Ratio	Lower	Upper
149	100		
167	25.1	22.8	34.2
279	4.5	4.9	7.3#

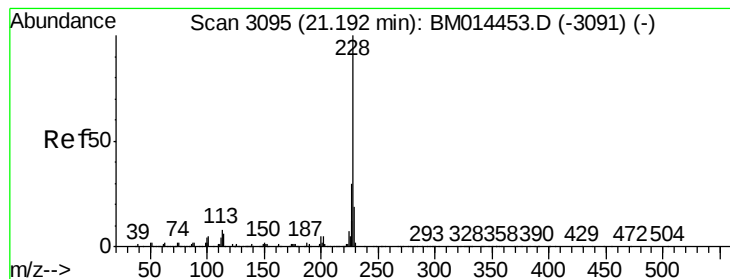


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 12.655 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM014458.D

Acq: 02 Mar 2018 12:55

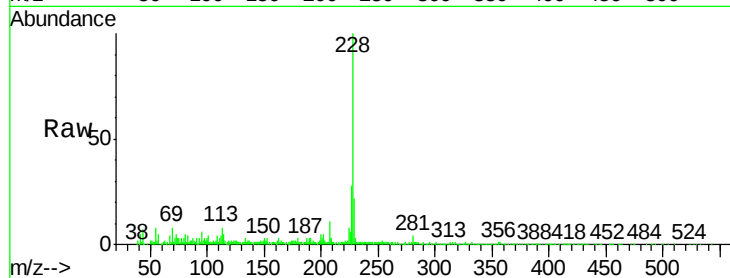
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 460867

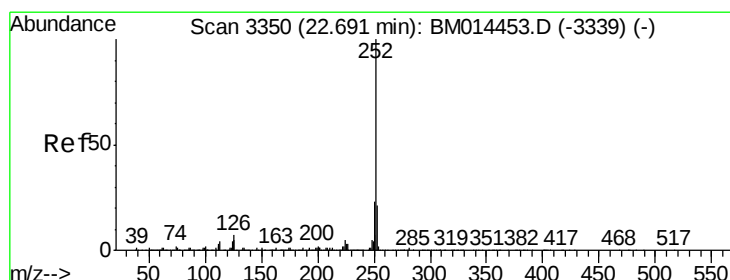
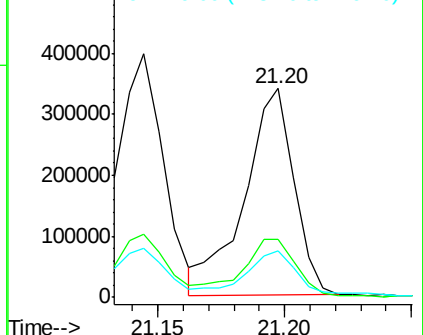
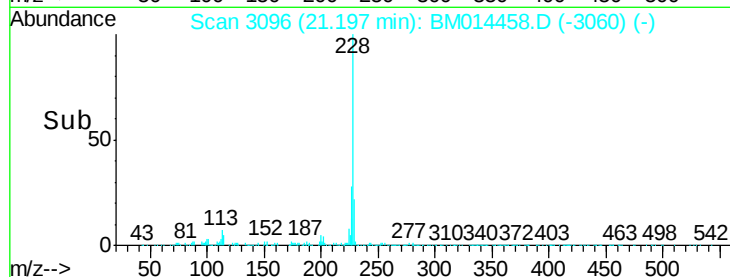
Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.4	35.2
229	22.5	15.5	23.3



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: 14.596 ng/ul

RT: 22.70 min Scan# 3351

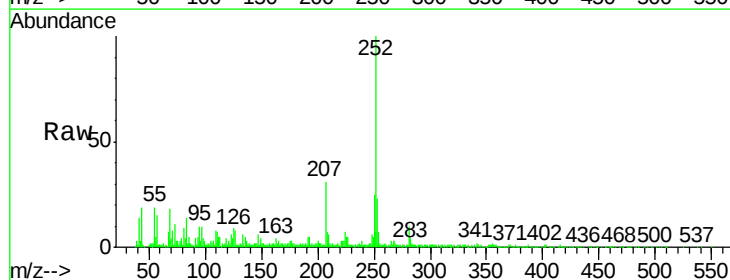
Delta R.T. 0.02 min

Lab File: BM014458.D

Acq: 02 Mar 2018 12:55

Tgt Ion:252 Resp: 495331

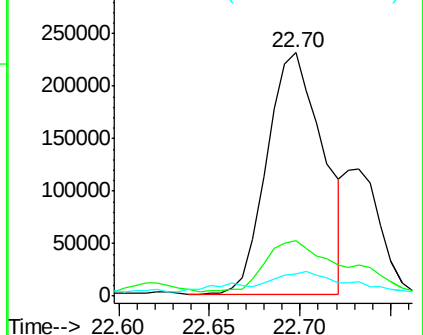
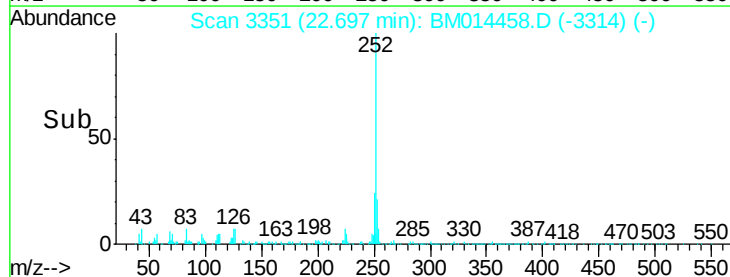
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	9.1	3.6	5.4

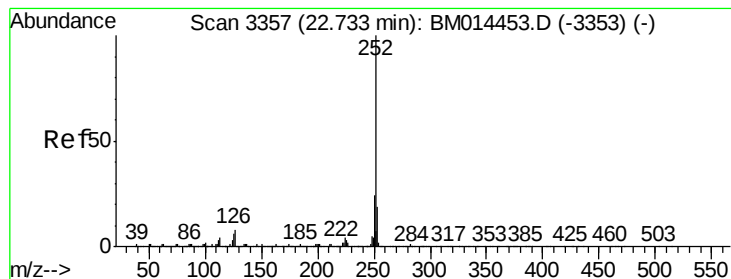


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 15.352 ng/ul

RT: 22.70 min Scan# 3351

Delta R.T. -0.02 min

Lab File: BM014458.D

Acq: 02 Mar 2018 12:55

Instrument :

BNA_M

ClientSampleId :

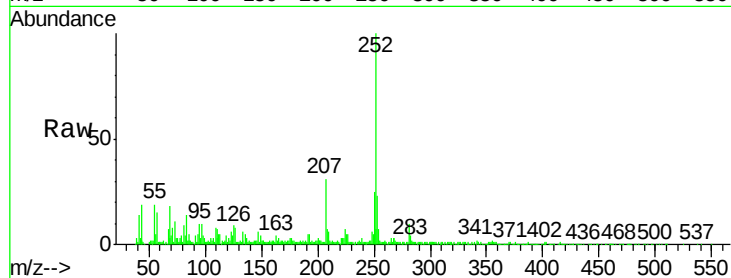
Tot Ion:252 Resp: 495331

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

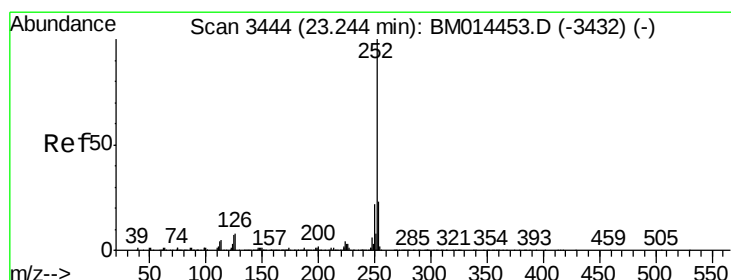
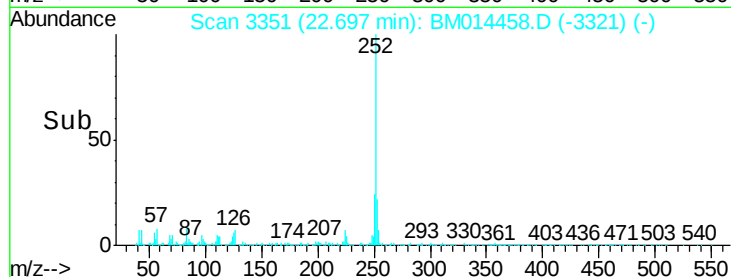
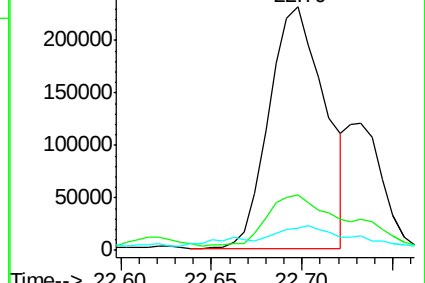
125 9.1 3.4 5.2#



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: 10.741 ng/ul

RT: 23.25 min Scan# 3445

Delta R.T. 0.02 min

Lab File: BM014458.D

Acq: 02 Mar 2018 12:55

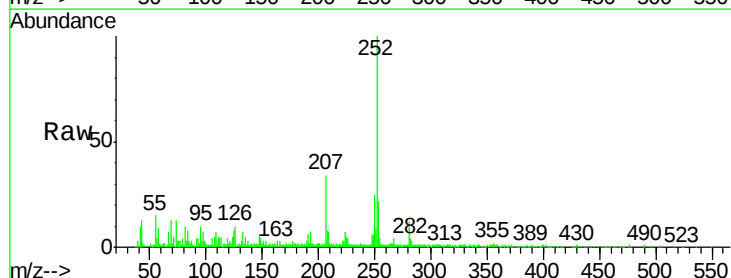
Tgt Ion:252 Resp: 325709

Ion Ratio Lower Upper

252 100

253 21.8 18.2 27.2

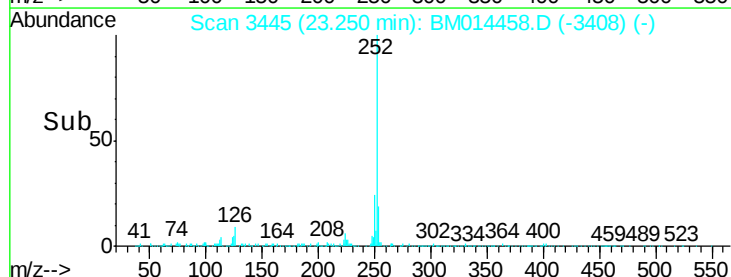
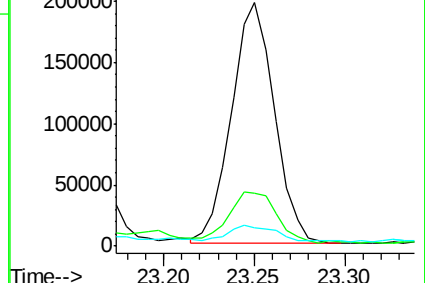
125 7.6 4.0 6.0#

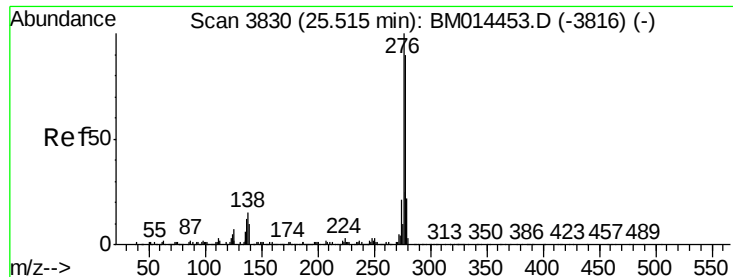


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



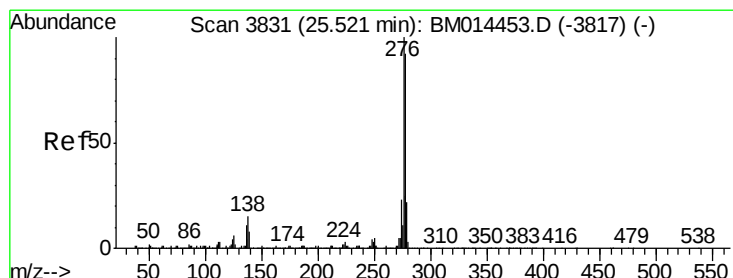
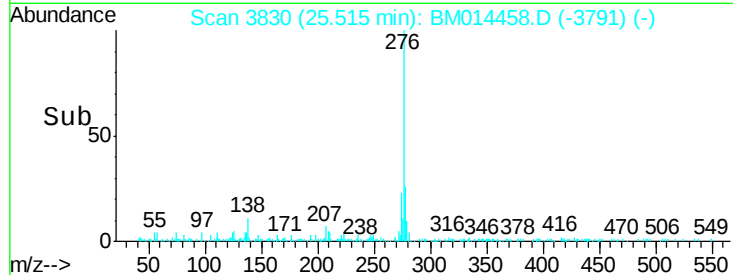
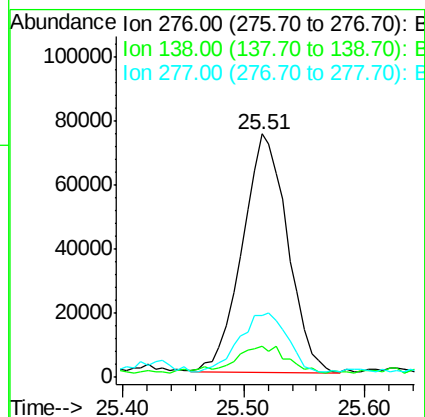
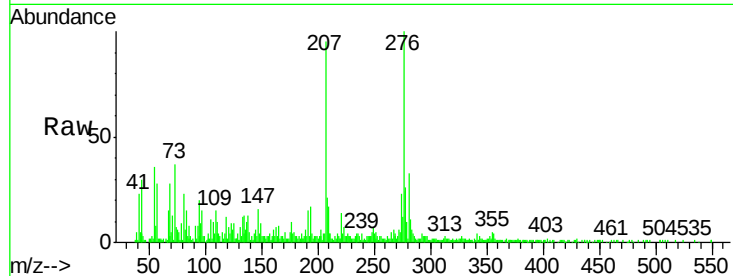


#89

Indeno(1,2,3-cd)pyrene
Concen: 6.626 ng/ul
RT: 25.51 min Scan# 3830
Delta R.T. 0.03 min
Lab File: BM014458.D
Acq: 02 Mar 2018 12:55

Instrument :
BNA_M
ClientSampleId :

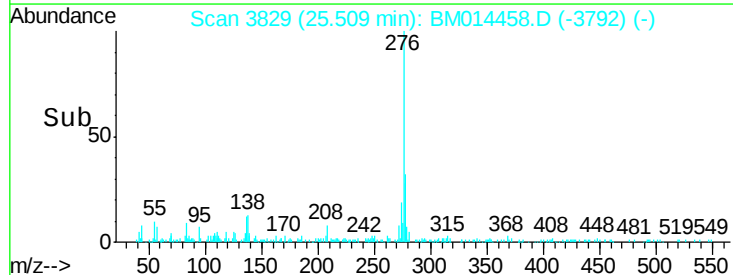
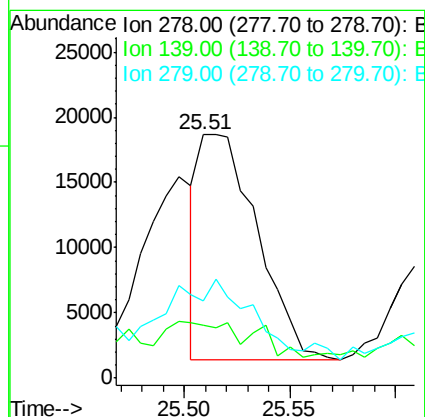
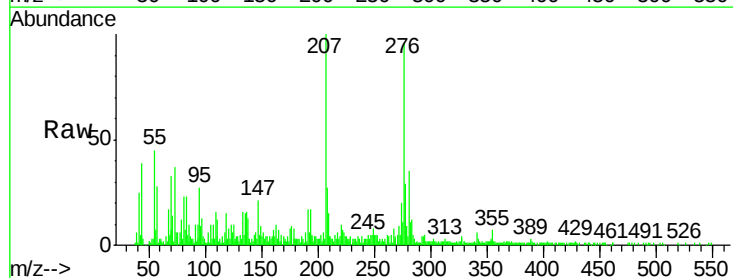
Tot Ion	Ratio	Lower	Upper
276	100		
138	12.7	9.3	13.9
277	25.7	19.9	29.9

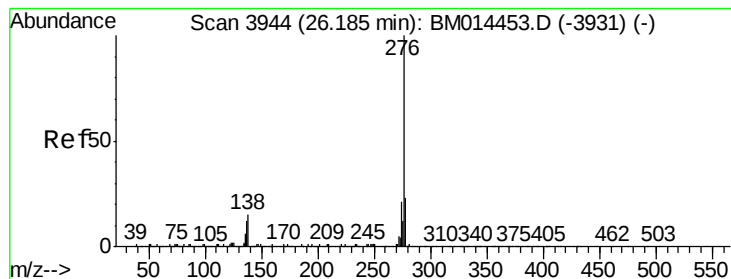


#90

Dibenzo(a,h)anthracene
Concen: 1.342 ng/ul
RT: 25.51 min Scan# 3829
Delta R.T. 0.02 min
Lab File: BM014458.D
Acq: 02 Mar 2018 12:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.6	5.8	8.8#
279	31.6	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 6.516 ng/ul

RT: 26.18 min Scan# 3943

Delta R.T. 0.03 min

Lab File: BM014458.D

Acq: 02 Mar 2018 12:55

Instrument :

BNA_M

ClientSampleId :

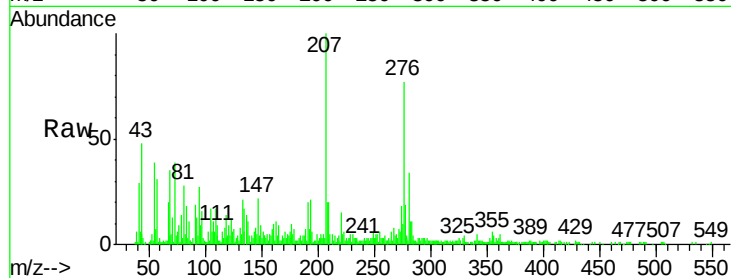
Tot Ion:276 Resp: 155323

Ion Ratio Lower Upper

276 100

138 14.8 8.5 12.7#

277 25.3 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

