

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
 Data File : BM014840.D
 Acq On : 25 Apr 2018 18:57
 Operator : SJ/JU
 Sample : J2449-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 26 02:01:44 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 26 01:59:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.50	152	286830	20.00	ng/ul	0.00
18) Naphthalene-d8	11.35	136	1191835	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.11	164	640553	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.82	188	1410920	20.00	ng/ul	0.00
75) Chrysene-d12	21.91	240	1552344	20.00	ng/ul	0.00
83) Perylene-d12	24.39	264	1623985	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.65	96	49590	7.55	ng/uL	0.00
5) Phenol-d5	7.62	99	828369	37.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.80	67	589196	41.44	ng/ul	0.00
9) 2-Chlorophenol-d4	8.02	132	726250	39.15	ng/ul	0.00
13) 4-Methylphenol-d8	9.20	113	571240	32.30	ng/ul	0.00
19) Nitrobenzene-d5	9.69	128	336726	39.08	ng/ul	0.00
22) 2-Nitrophenol-d4	10.42	143	360563	42.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.95	165	642320	36.84	ng/ul	0.00
29) 4-Chloroaniline-d4	11.47	131	835775	48.57	ng/ul	0.00
43) Dimethylphthalate-d6	14.50	166	1979001	39.58	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	2336958	37.85	ng/ul	0.00
51) 4-Nitrophenol-d4	15.26	143	285352	30.75	ng/ul	0.00
57) Fluorene-d10	16.08	176	1715081	39.44	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.19	200	239578	31.38	ng/ul	0.00
70) Anthracene-d10	17.92	188	2593148	39.44	ng/ul	0.00
76) Pyrene-d10	20.16	212	2934672	39.96	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.23	264	3438336	43.09	ng/ul	0.00

Target Compounds

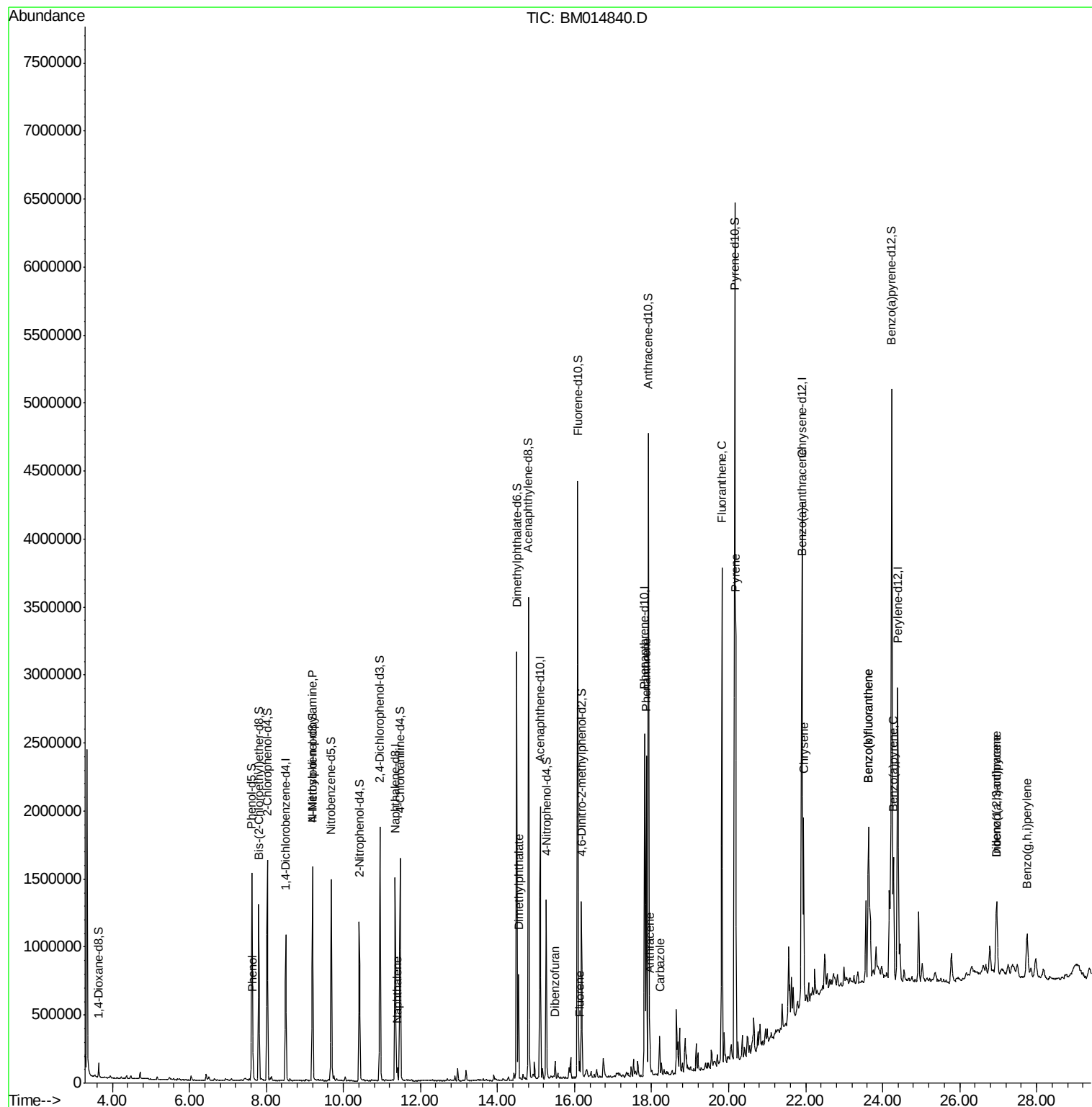
					Ovalue	
6) Phenol	7.65	94	69158	3.170	ng/ul#	81
15) N-Nitroso-di-n-propylamine	9.20	70	16054	1.194	ng/ul#	1
28) Naphthalene	11.40	128	72537	1.249	ng/ul	98
44) Dimethylphthalate	14.55	163	460023	9.517	ng/ul	99
53) Dibenzofuran	15.50	168	59853	1.014	ng/ul	99
58) Fluorene	16.14	166	52112	1.093	ng/ul	96
69) Phenanthrene	17.86	178	1333489	17.599	ng/ul	99
71) Anthracene	17.95	178	220092	2.862	ng/ul	99
72) Carbazole	18.21	167	162896	2.483	ng/ul	98
74) Fluoranthene	19.83	202	2063902	24.983	ng/ul#	82
77) Pyrene	20.19	202	1711214	18.867	ng/ul#	80
80) Benzo(a)anthracene	21.89	228	814777	8.975	ng/ul	99
82) Chrysene	21.94	228	764257	8.993	ng/ul	97
85) Benzo(b)fluoranthene	23.63	252	1025237	10.709	ng/ul#	96
86) Benzo(k)fluoranthene	23.63	252	1025237	11.137	ng/ul#	94
88) Benzo(a)pyrene	24.29	252	689197	7.589	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.96	276	483255	4.399	ng/ul#	91
90) Dibenzo(a,h)anthracene	26.96	278	118639	1.283	ng/ul#	92
91) Benzo(g,h,i)perylene	27.75	276	421619	4.665	ng/ul#	90

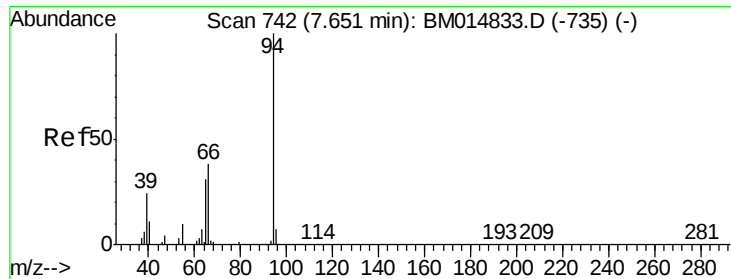
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 3.170 ng/ul

RT: 7.65 min Scan# 742

Delta R.T. 0.00 min

Lab File: BM014840.D

Acq: 25 Apr 2018 18:57

Instrument :

BNA_M

ClientSampleId :

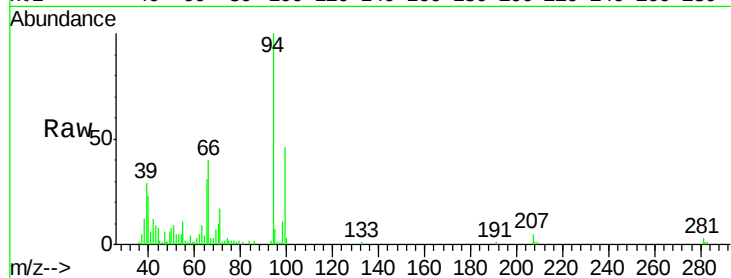
Tot Ion: 94 Resp: 69158

Ion Ratio Lower Upper

94 100

65 30.5 28.2 42.4

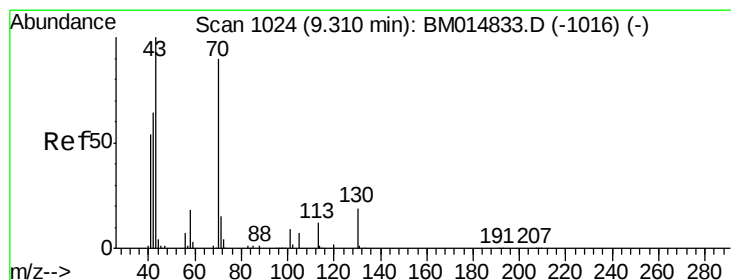
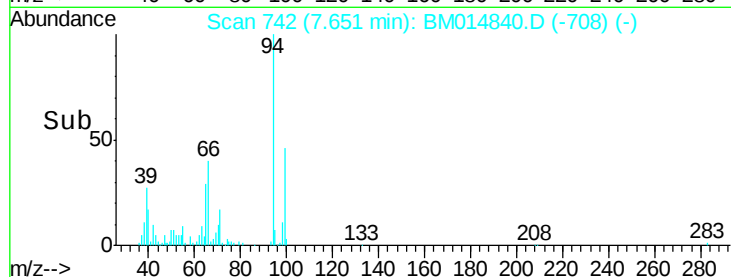
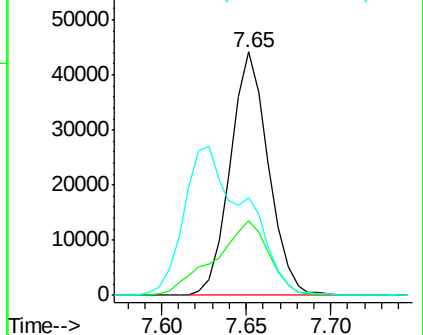
66 40.1 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM014833.D (-735) (-)

Ion 65.00 (64.70 to 65.70): BM014833.D (-735) (-)

Ion 66.00 (65.70 to 66.70): BM014833.D (-735) (-)



#15

N-Nitroso-di-n-propylamine

Concen: 1.194 ng/ul

RT: 9.20 min Scan# 1005

Delta R.T. -0.11 min

Lab File: BM014840.D

Acq: 25 Apr 2018 18:57

Tgt Ion: 70 Resp: 16054

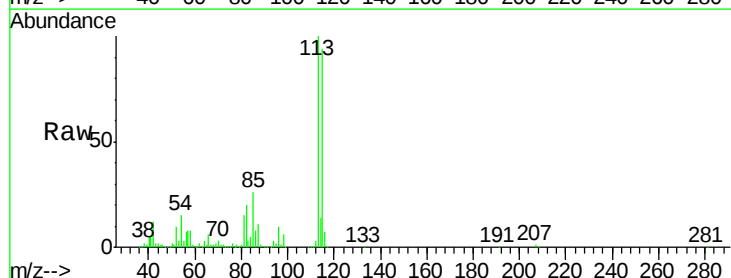
Ion Ratio Lower Upper

70 100

42 464.5 76.0 114.0#

101 0.0 6.7 10.1#

130 0.0 14.6 22.0#

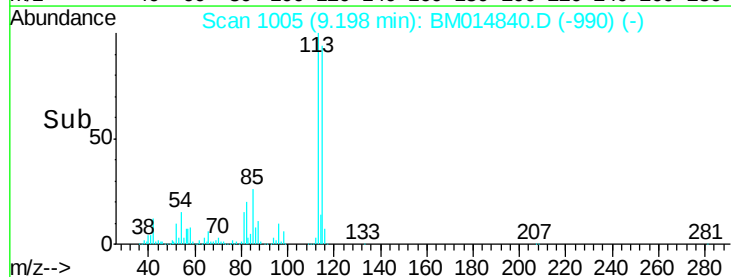
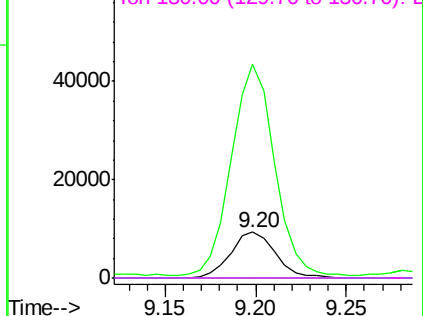


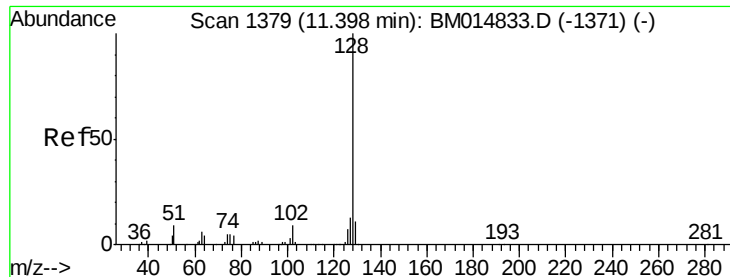
Abundance Ion 70.00 (69.70 to 70.70): BM014833.D (-1016) (-)

Ion 42.00 (41.70 to 42.70): BM014833.D (-1016) (-)

Ion 101.00 (100.70 to 101.70): BM014833.D (-1016) (-)

Ion 130.00 (129.70 to 130.70): BM014833.D (-1016) (-)





#28

Naphthalene

Concen: 1.249 ng/ul

RT: 11.40 min Scan# 1379

Delta R.T. 0.00 min

Lab File: BM014840.D

Acq: 25 Apr 2018 18:57

Instrument :

BNA_M

ClientSampleId :

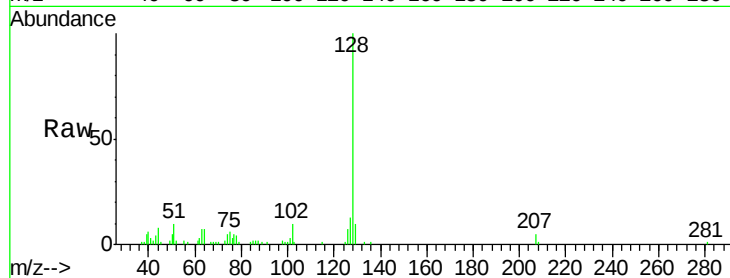
Tot Ion:128 Resp: 72537

Ion Ratio Lower Upper

128 100

129 10.0 8.8 13.2

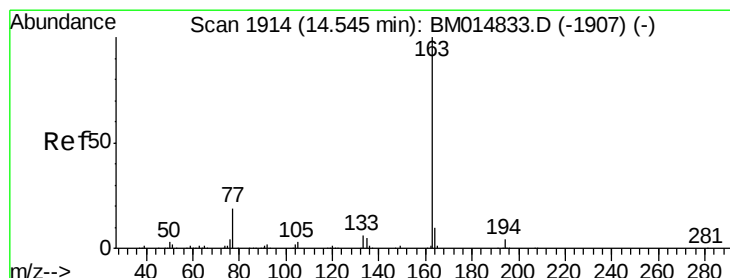
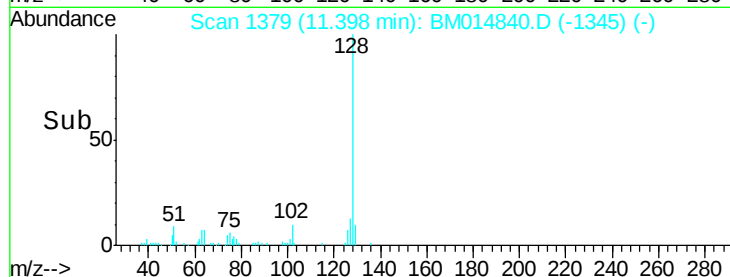
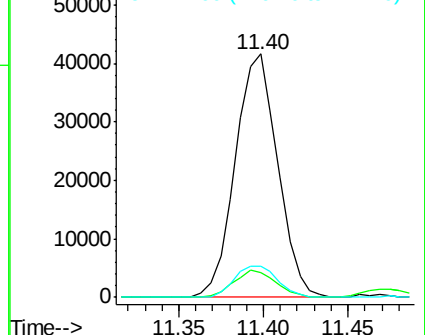
127 12.9 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#44

Dimethylphthalate

Concen: 9.517 ng/ul

RT: 14.55 min Scan# 1914

Delta R.T. 0.00 min

Lab File: BM014840.D

Acq: 25 Apr 2018 18:57

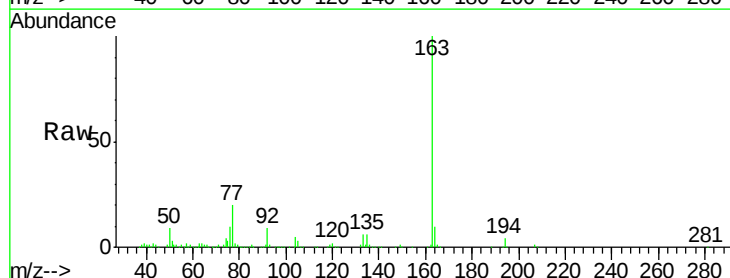
Tgt Ion:163 Resp: 460023

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

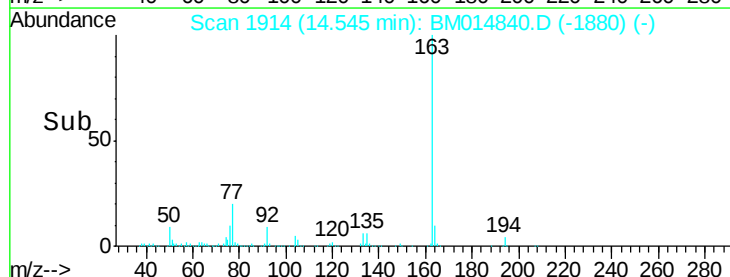
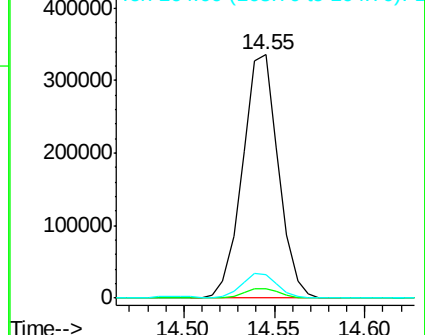
164 9.9 8.2 12.4

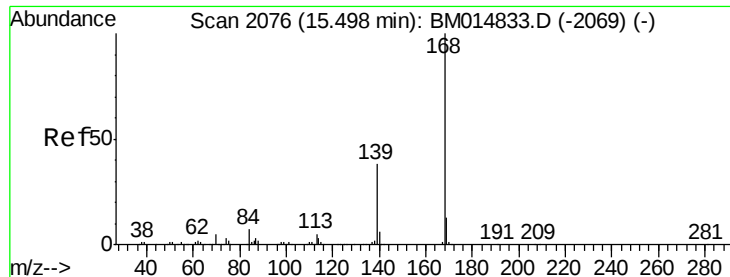


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#53

Dibenzenofuran

Concen: 1.014 ng/ul

RT: 15.50 min Scan# 2076

Delta R.T. 0.00 min

Lab File: BM014840.D

Acq: 25 Apr 2018 18:57

Instrument :

BNA_M

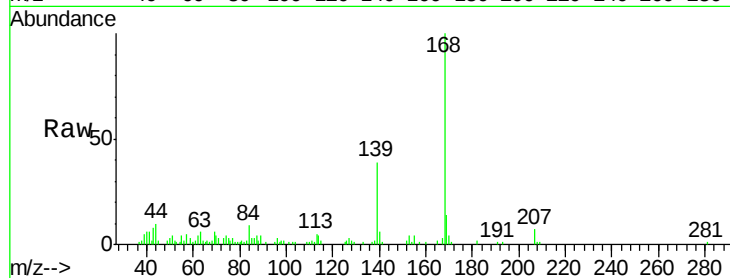
ClientSampleId :

Tot Ion:168 Resp: 59853

Ion Ratio Lower Upper

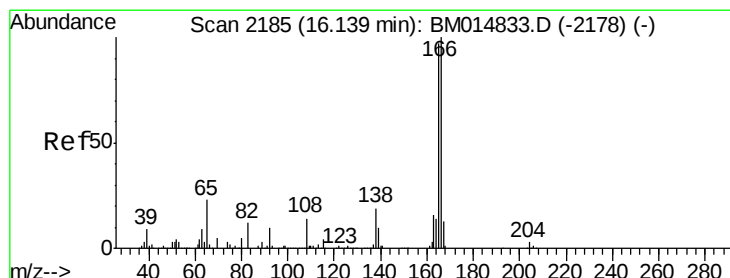
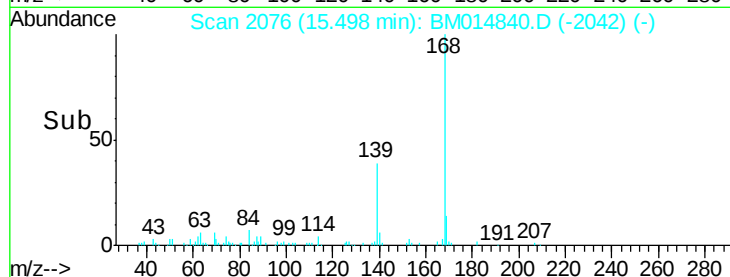
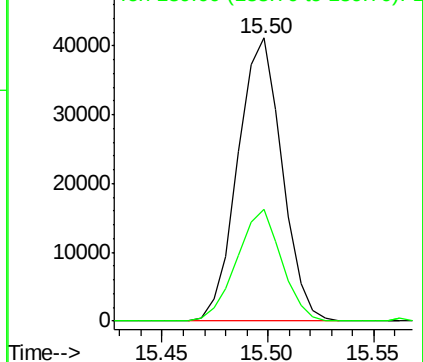
168 100

139 39.4 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: 1.093 ng/ul

RT: 16.14 min Scan# 2185

Delta R.T. 0.00 min

Lab File: BM014840.D

Acq: 25 Apr 2018 18:57

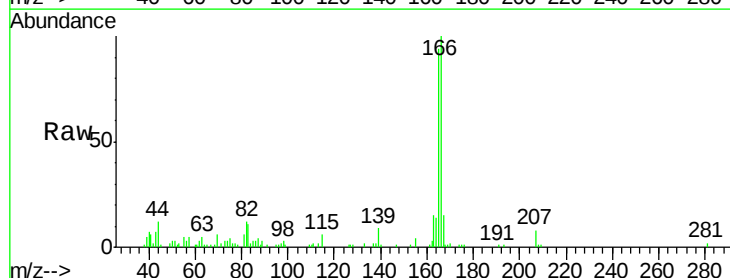
Tgt Ion:166 Resp: 52112

Ion Ratio Lower Upper

166 100

165 93.9 77.9 116.9

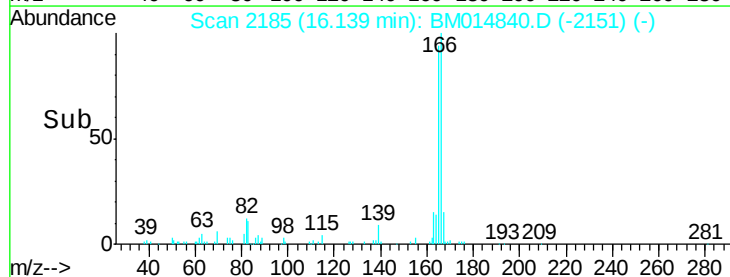
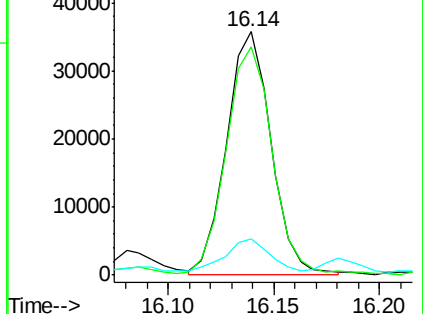
167 14.7 10.6 16.0

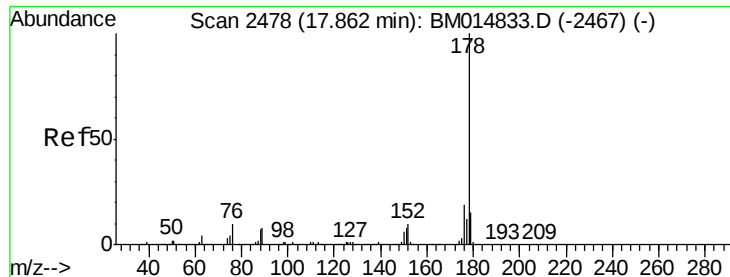


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 17.599 ng/ul

RT: 17.86 min Scan# 2478

Delta R.T. 0.00 min

Lab File: BM014840.D

Acq: 25 Apr 2018 18:57

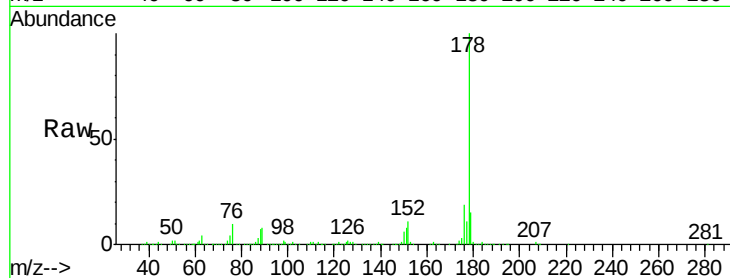
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 1333489

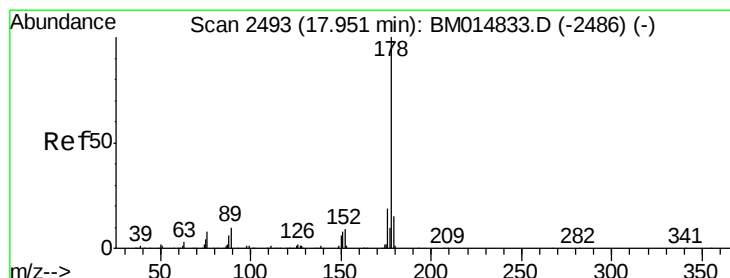
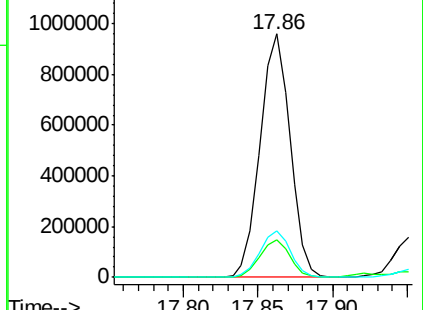
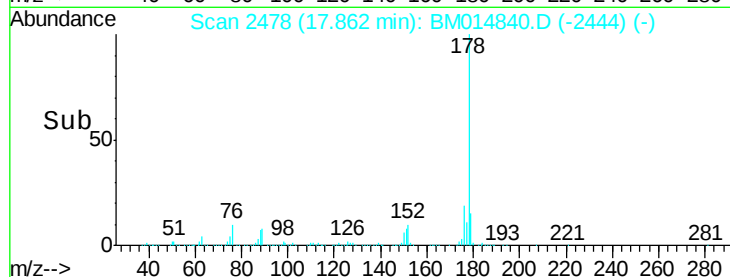
Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	19.0
176	19.1	14.9	22.3



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: 2.862 ng/ul

RT: 17.95 min Scan# 2493

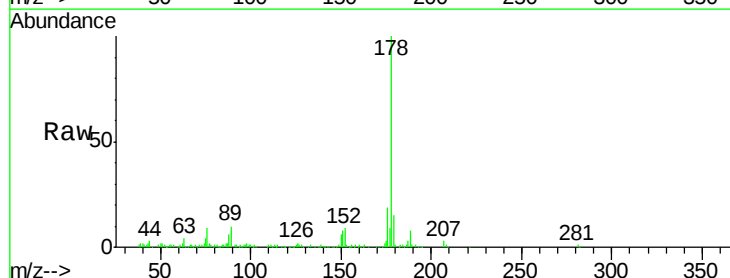
Delta R.T. 0.00 min

Lab File: BM014840.D

Acq: 25 Apr 2018 18:57

Tgt Ion:178 Resp: 220092

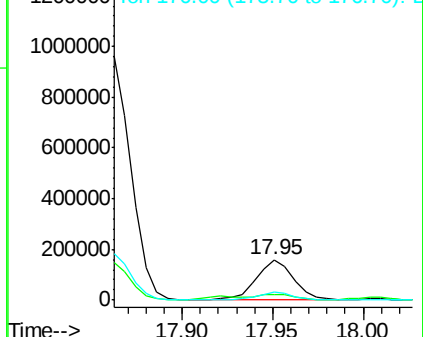
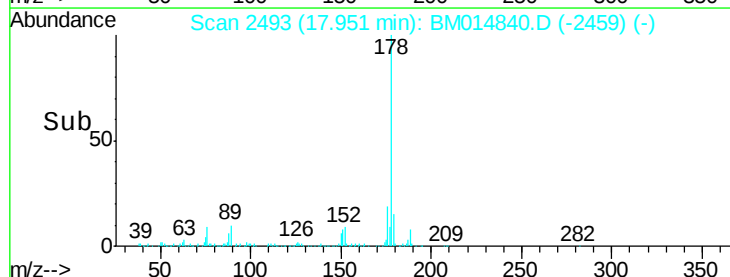
Ion	Ratio	Lower	Upper
178	100		
179	14.9	11.7	17.5
176	18.6	14.6	21.8

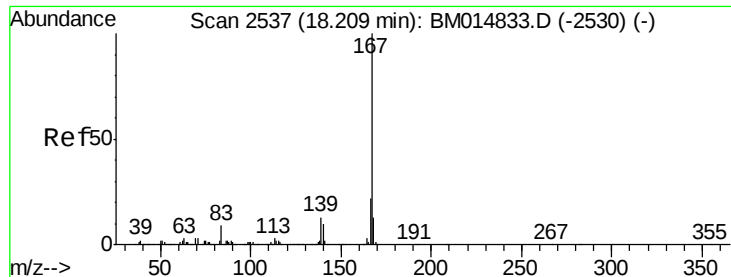


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.483 ng/ul

RT: 18.21 min Scan# 2537

Delta R.T. 0.00 min

Lab File: BM014840.D

Acq: 25 Apr 2018 18:57

Instrument :

BNA_M

ClientSampleId :

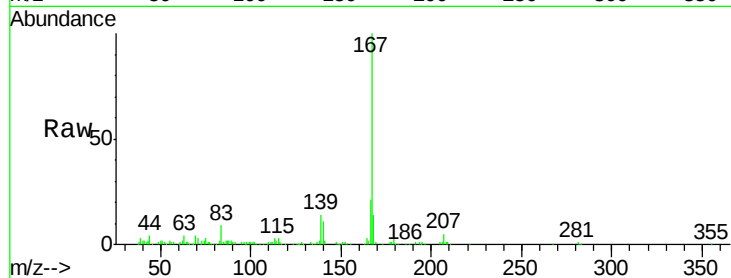
Tot Ion:167 Resp: 162896

Ion Ratio Lower Upper

167 100

166 21.2 17.1 25.7

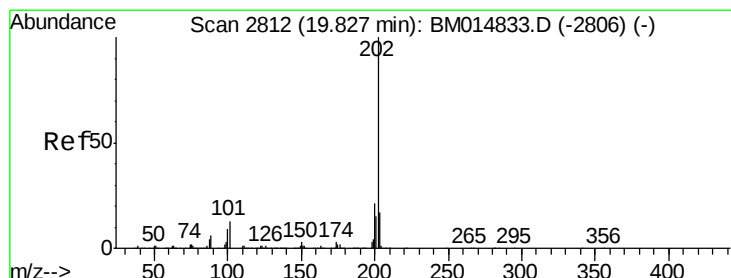
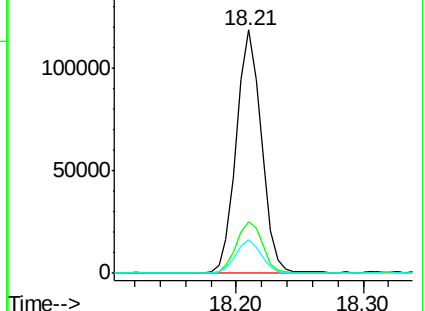
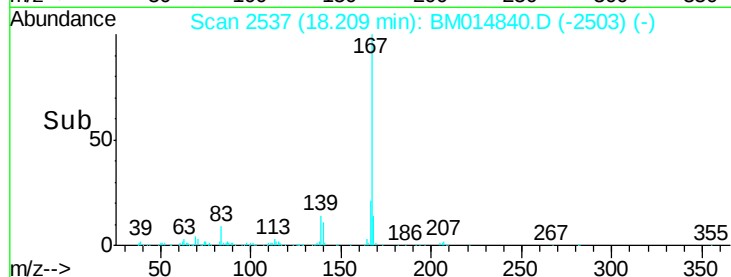
139 13.8 10.0 15.0



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: 24.983 ng/ul

RT: 19.83 min Scan# 2812

Delta R.T. 0.00 min

Lab File: BM014840.D

Acq: 25 Apr 2018 18:57

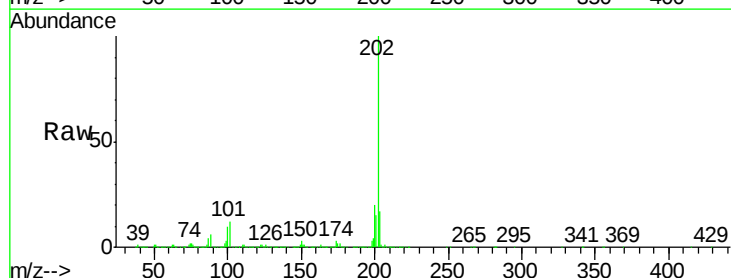
Tgt Ion:202 Resp: 2063902

Ion Ratio Lower Upper

202 100

101 12.4 4.6 7.0#

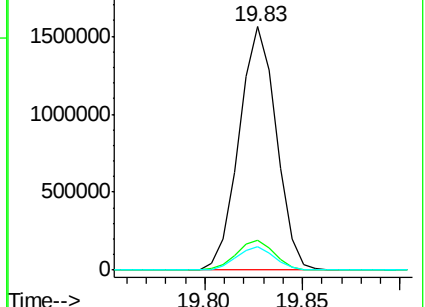
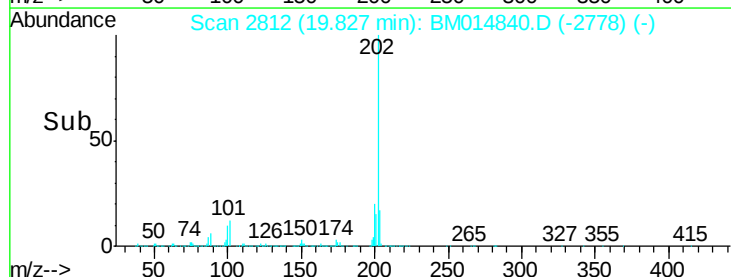
100 9.6 3.4 5.2#

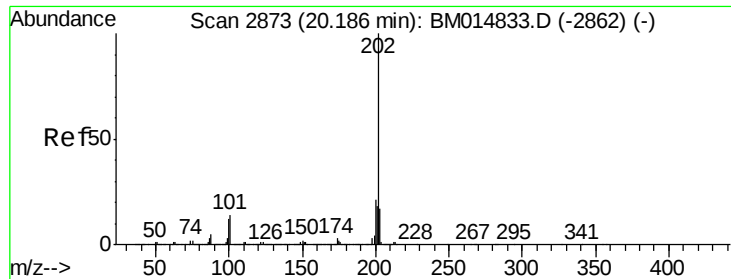


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 18.867 ng/ul

RT: 20.19 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BM014840.D

Acq: 25 Apr 2018 18:57

Instrument :

BNA_M

ClientSampleId :

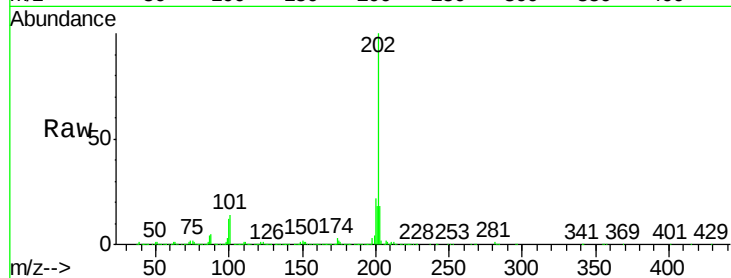
Tot Ion:202 Resp: 1711214

Ion Ratio Lower Upper

202 100

101 14.3 5.1 7.7#

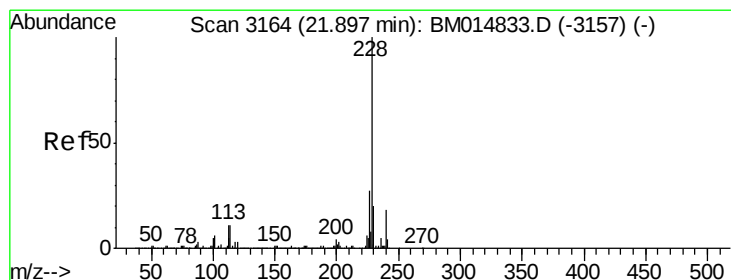
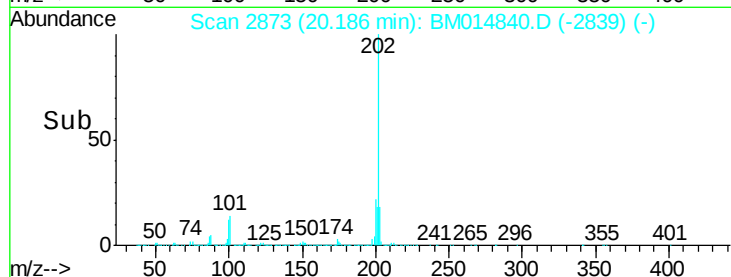
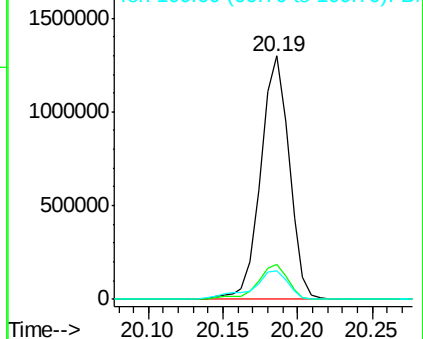
100 12.0 4.9 7.3#



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: 8.975 ng/ul

RT: 21.89 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BM014840.D

Acq: 25 Apr 2018 18:57

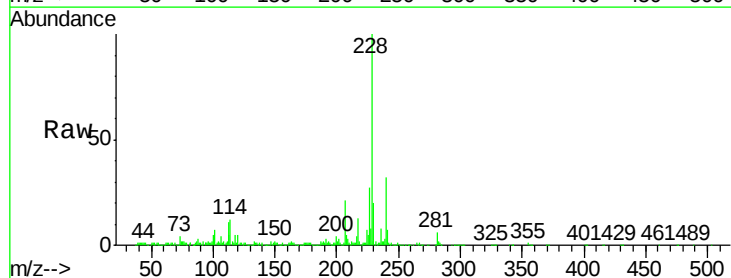
Tgt Ion:228 Resp: 814777

Ion Ratio Lower Upper

228 100

229 20.2 15.4 23.0

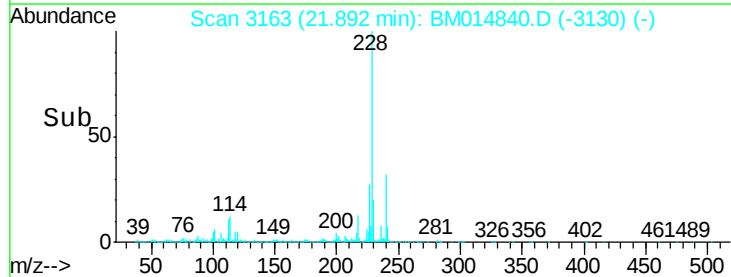
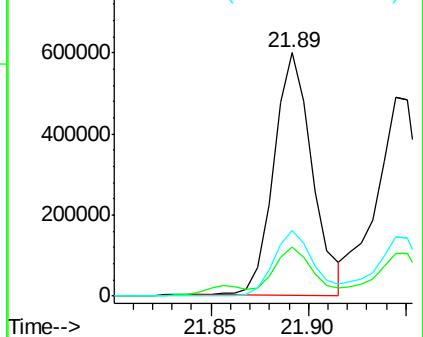
226 26.8 21.4 32.0

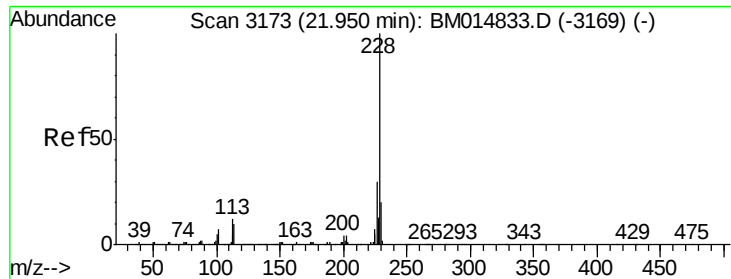


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 8.993 ng/ul

RT: 21.94 min Scan# 3172

Delta R.T. -0.01 min

Lab File: BM014840.D

Acq: 25 Apr 2018 18:57

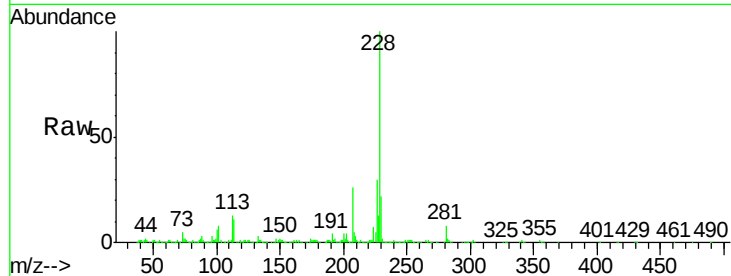
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 764257

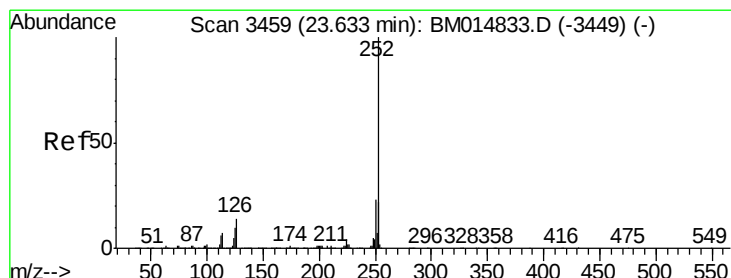
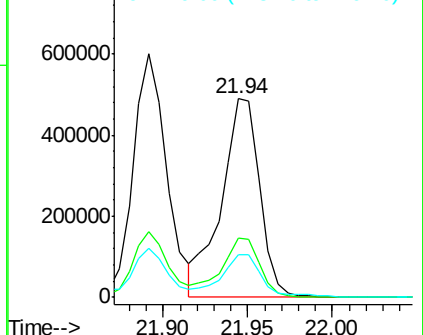
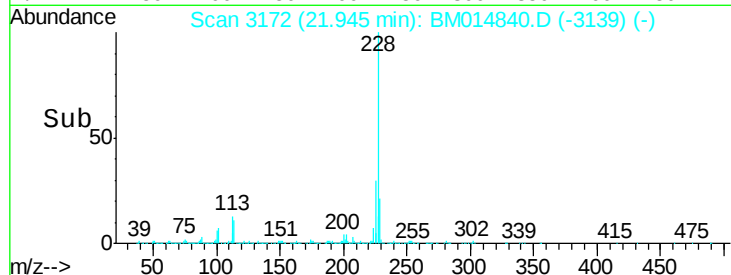
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.4	35.2
229	21.6	15.5	23.3



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: 10.709 ng/ul

RT: 23.63 min Scan# 3459

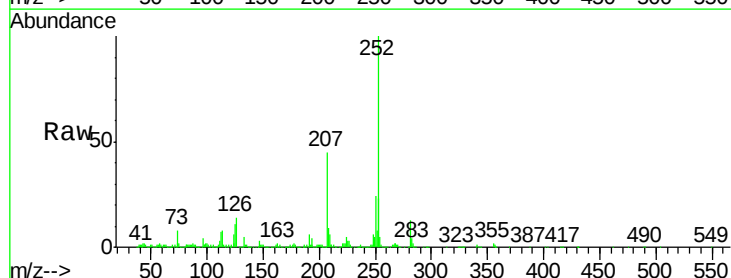
Delta R.T. 0.00 min

Lab File: BM014840.D

Acq: 25 Apr 2018 18:57

Tgt Ion:252 Resp: 1025237

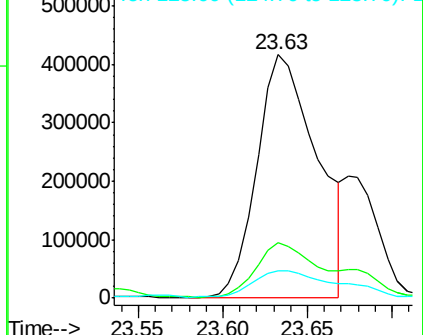
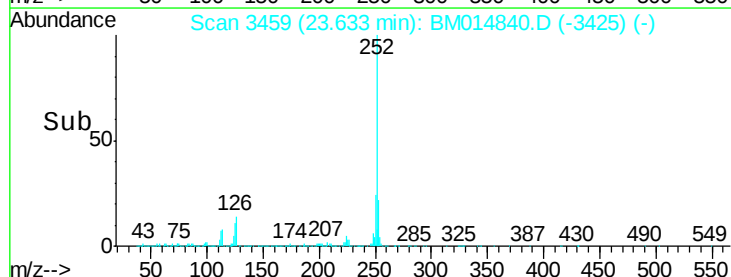
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	11.2	3.6	5.4

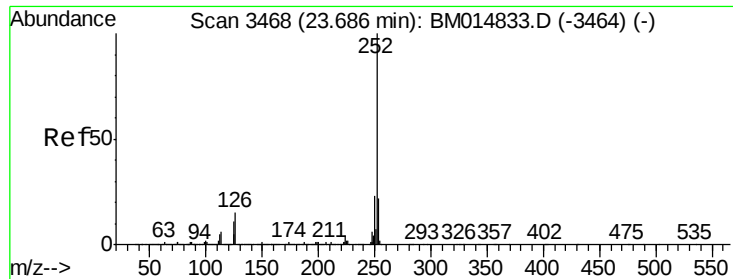


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 11.137 ng/ul

RT: 23.63 min Scan# 3459

Delta R.T. -0.05 min

Lab File: BM014840.D

Acq: 25 Apr 2018 18:57

Instrument :

BNA_M

ClientSampleId :

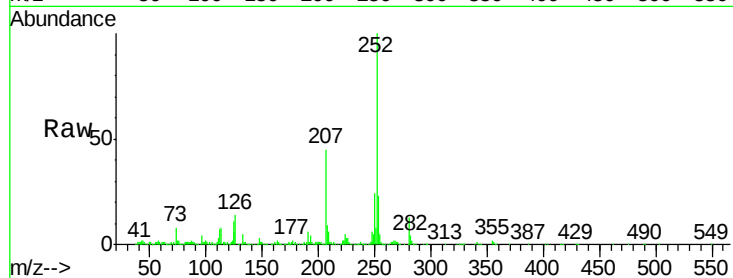
Tot Ion:252 Resp: 1025237

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

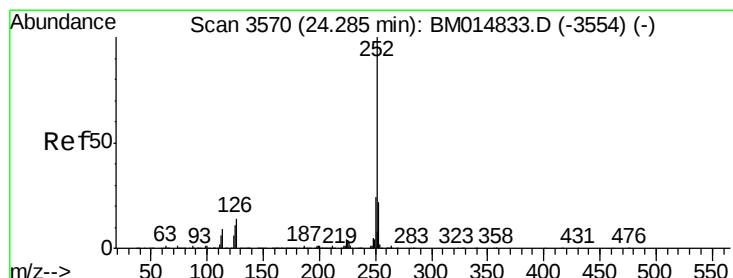
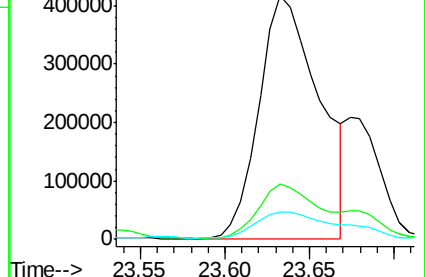
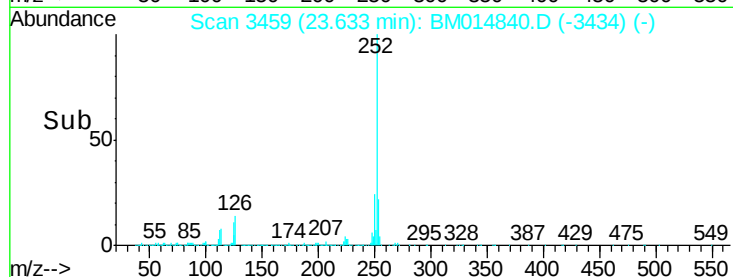
125 11.2 3.4 5.2#



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: 7.589 ng/ul

RT: 24.29 min Scan# 3570

Delta R.T. 0.00 min

Lab File: BM014840.D

Acq: 25 Apr 2018 18:57

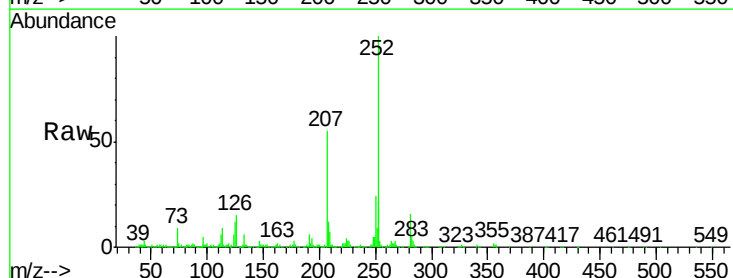
Tgt Ion:252 Resp: 689197

Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.2

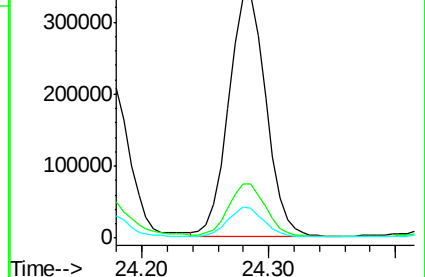
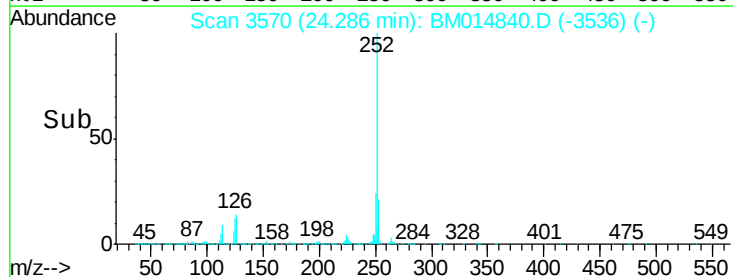
125 12.4 4.0 6.0#

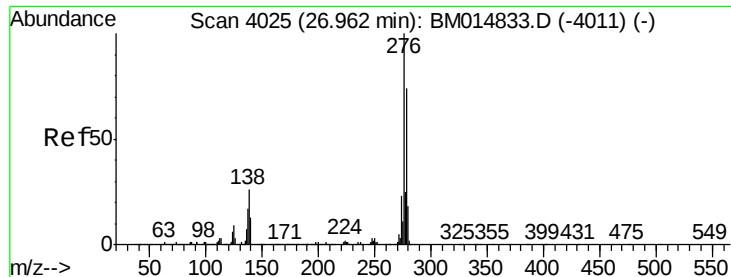


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



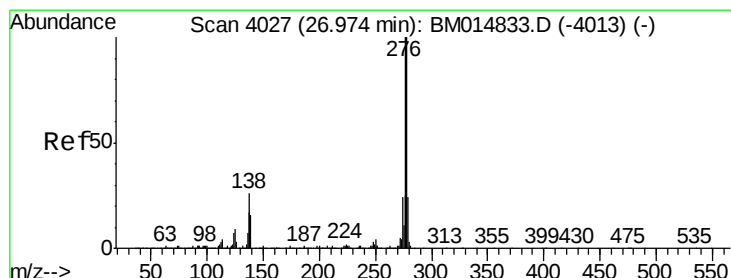
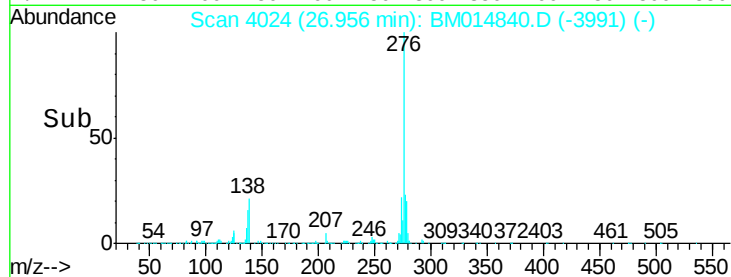
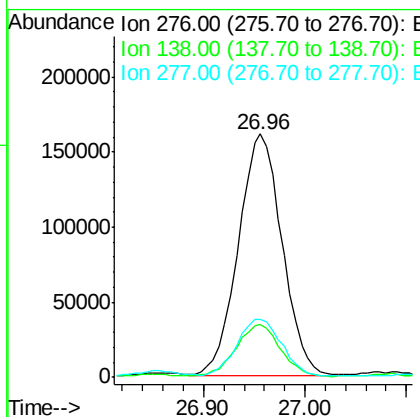
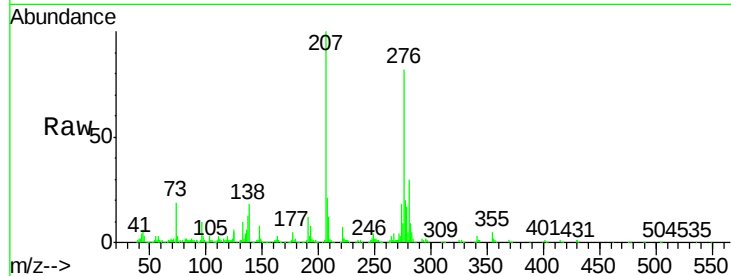


#89

Indeno(1,2,3-cd)pyrene
Concen: 4.399 ng/ul
RT: 26.96 min Scan# 4024
Delta R.T. -0.01 min
Lab File: BM014840.D
Acq: 25 Apr 2018 18:57

Instrument :
BNA_M
ClientSampleId :

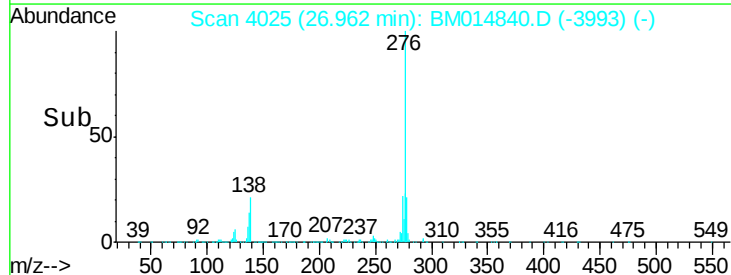
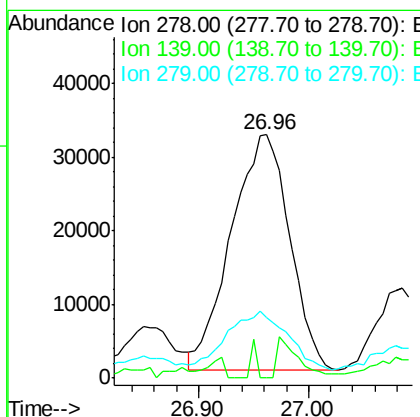
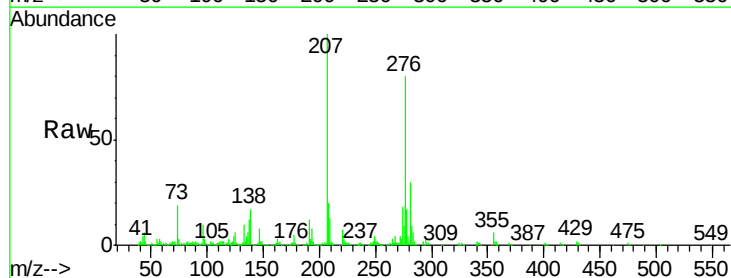
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	9.3	13.9#
277	24.0	19.9	29.9

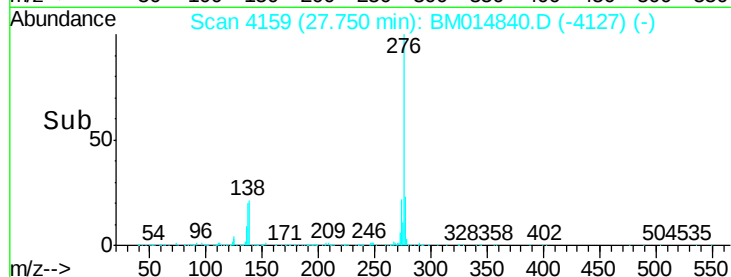
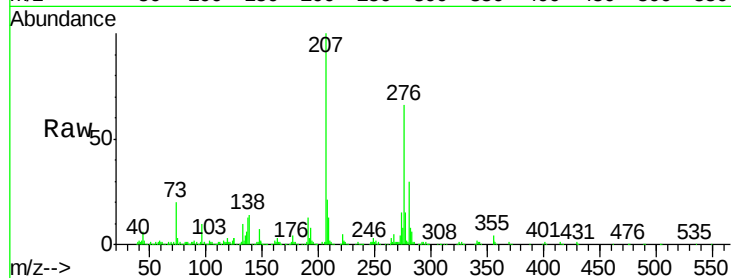
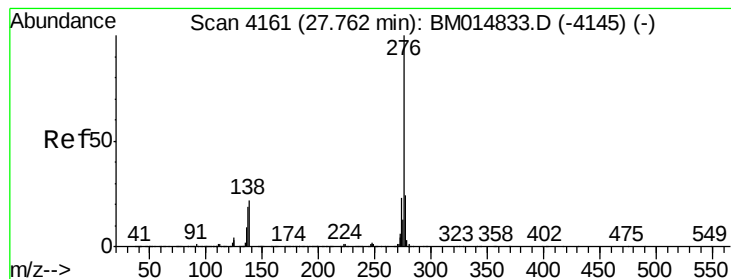


#90

Dibenzo(a,h)anthracene
Concen: 1.283 ng/ul
RT: 26.96 min Scan# 4025
Delta R.T. -0.01 min
Lab File: BM014840.D
Acq: 25 Apr 2018 18:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	24.8	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 4.665 ng/ul

RT: 27.75 min Scan# 4159

Delta R.T. -0.01 min

Lab File: BM014840.D

Acq: 25 Apr 2018 18:57

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 421619

Ion Ratio Lower Upper

276 100

138 21.6 8.5 12.7#

277 22.9 18.6 28.0

