

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012618\
 Data File : BM013865.D
 Acq On : 27 Jan 2018 03:48
 Operator : SJ/JU
 Sample : J1223-13DL 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 27 04:26:44 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 27 04:13:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	125552	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	447000	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	275939	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	650826	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	736168	20.00	ng/ul	0.00
83) Perylene-d12	23.38	264	765622	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	5889	1.85	ng/uL	0.00
5) Phenol-d5	6.77	99	91246	9.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	63216	10.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	81071	10.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	58115	7.84	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	39976	11.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	42280	11.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	76340	10.78	ng/ul	0.01
29) 4-Chloroaniline-d4	10.52	131	79109	12.88	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	262828	11.56	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	316403	10.91	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	947	0.26	ng/ul	-0.01
57) Fluorene-d10	15.23	176	235635	11.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	29163	7.44	ng/ul	0.00
70) Anthracene-d10	17.09	188	387503	12.22	ng/ul	0.00
76) Pyrene-d10	19.39	212	467469	13.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.24	264	466226	13.25	ng/ul	0.00

Target Compounds

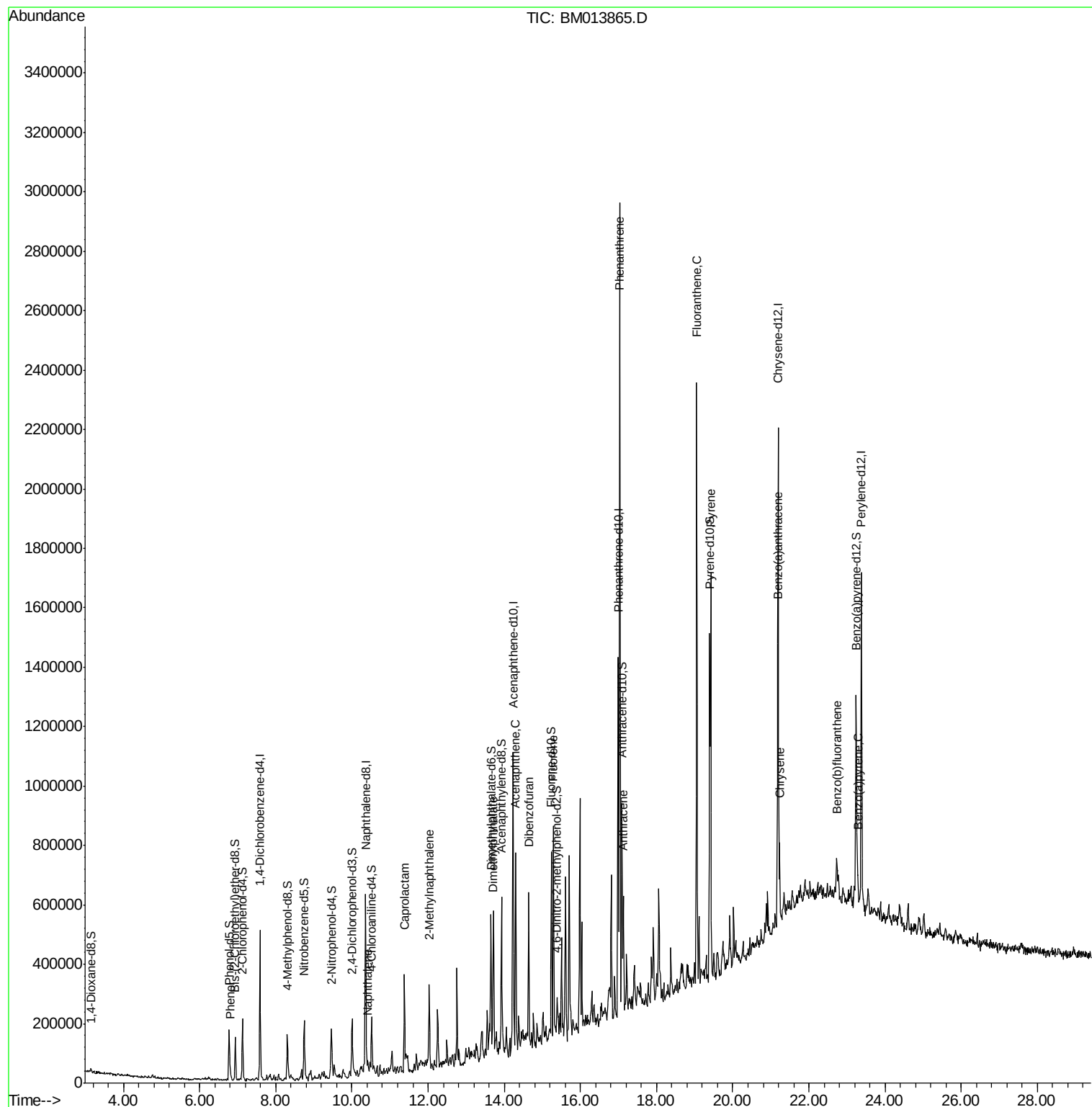
					Ovalue	
6) Phenol	6.80	94	12579	1.301	ng/ul#	91
28) Naphthalene	10.41	128	25451	1.144	ng/ul#	86
32) Caprolactam	11.38	113	11828	6.231	ng/ul	89
34) 2-Methylnaphthalene	12.03	142	126816	7.649	ng/ul	97
44) Dimethylphthalate	13.70	163	97884	4.378	ng/ul	97
49) Acenaphthene	14.30	153	246697	13.424	ng/ul	98
53) Dibenzofuran	14.64	168	265216	9.593	ng/ul	97
58) Fluorene	15.29	166	286721	12.661	ng/ul	99
69) Phenanthrene	17.03	178	1536043	42.459	ng/ul	98
71) Anthracene	17.13	178	233568	6.259	ng/ul	97
74) Fluoranthene	19.06	202	1168988	27.070	ng/ul#	96
77) Pyrene	19.42	202	792388	17.705	ng/ul#	95
80) Benzo(a)anthracene	21.17	228	168790	3.794	ng/ul	95
82) Chrysene	21.23	228	147888	3.624	ng/ul	98
85) Benzo(b)fluoranthene	22.73	252	97392	2.071	ng/ul#	96
88) Benzo(a)pyrene	23.29	252	45112	1.016	ng/ul#	85

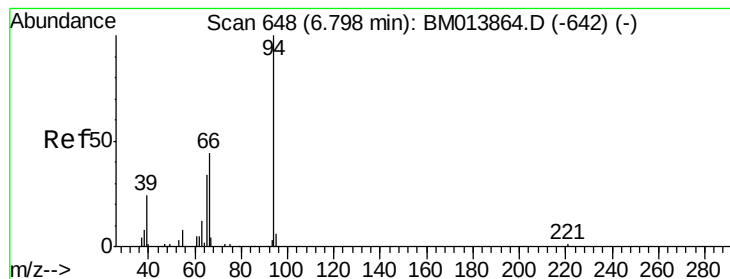
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Jan 27 04:13:53 2018
Response via : Initial Calibration





#6

Phenol

Concen: 1.301 ng/ul

RT: 6.80 min Scan# 649

Delta R.T. 0.01 min

Lab File: BM013865.D

Acq: 27 Jan 2018 03:48

Instrument :

BNA_M

ClientSampleId :

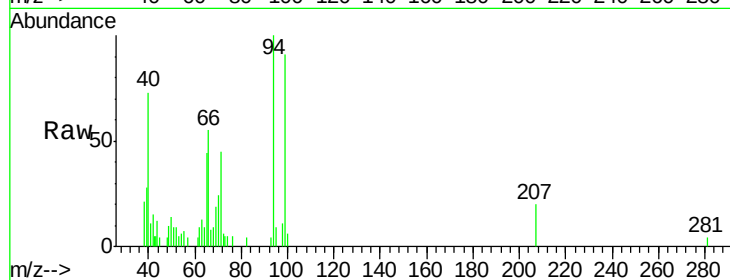
Tot Ion: 94 Resp: 12579

Ion Ratio Lower Upper

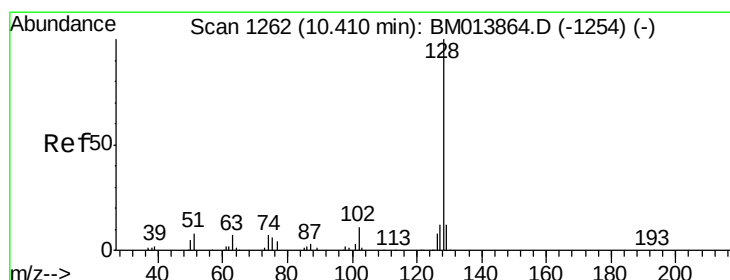
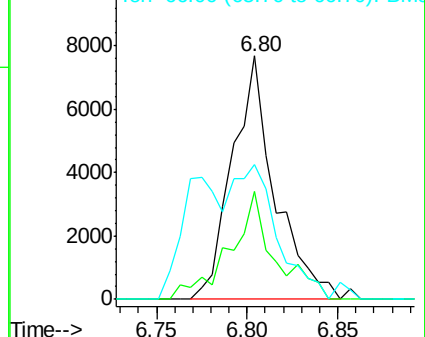
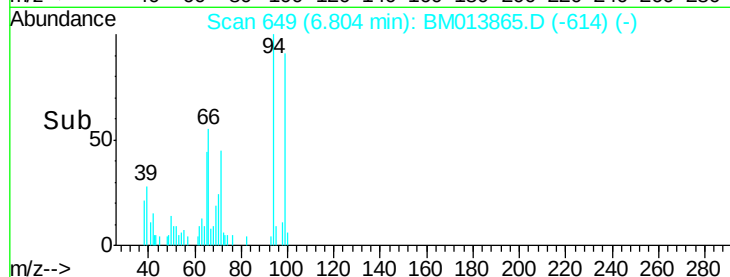
94 100

65 44.2 28.2 42.4#

66 55.2 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM013865.D (-614) (-)



#28

Naphthalene

Concen: 1.144 ng/ul

RT: 10.41 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BM013865.D

Acq: 27 Jan 2018 03:48

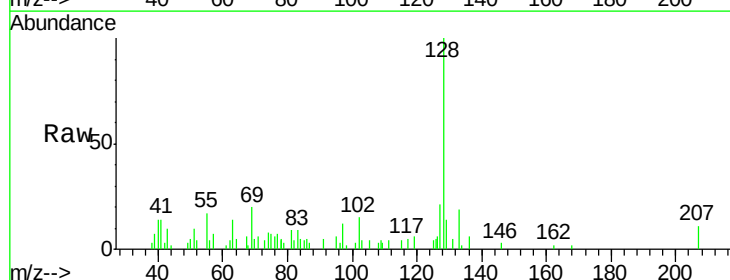
Tgt Ion:128 Resp: 25451

Ion Ratio Lower Upper

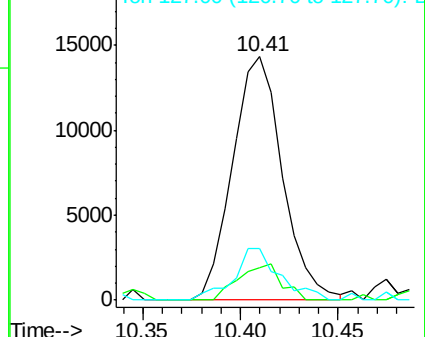
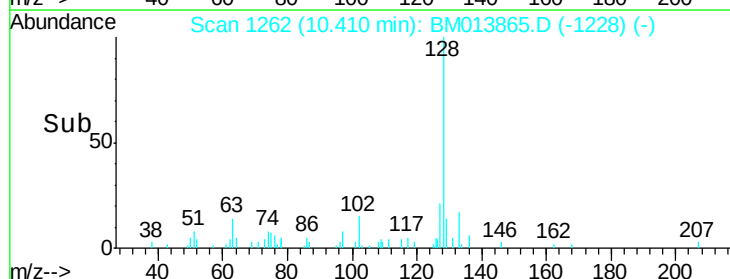
128 100

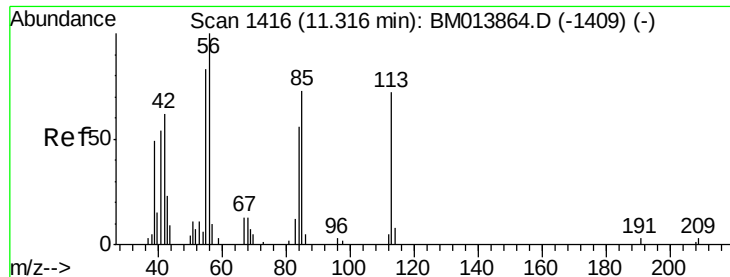
129 13.5 8.8 13.2#

127 21.3 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): BM013865.D (-1228) (-)





#32

Caprolactam

Concen: 6.231 ng/ul

RT: 11.38 min Scan# 1427

Delta R.T. 0.06 min

Lab File: BM013865.D

Acq: 27 Jan 2018 03:48

Instrument :

BNA_M

ClientSampled :

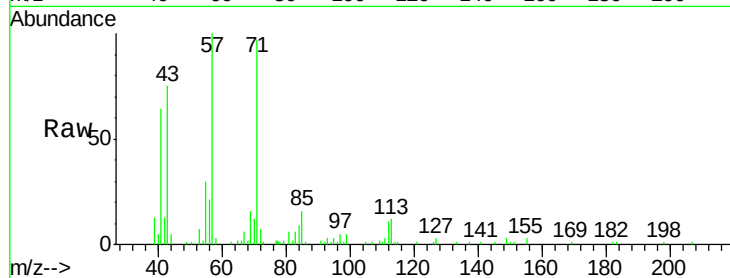
Tot Ion:113 Resp: 11828

Ion Ratio Lower Upper

113 100

55 248.3 208.0 312.0

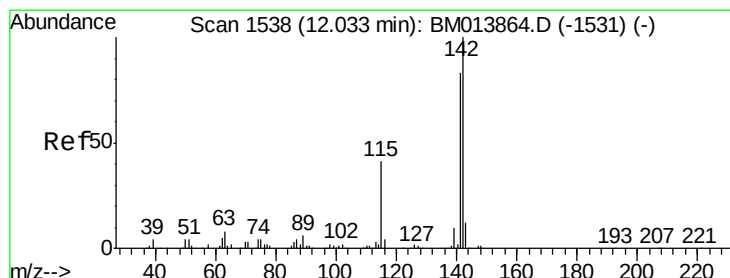
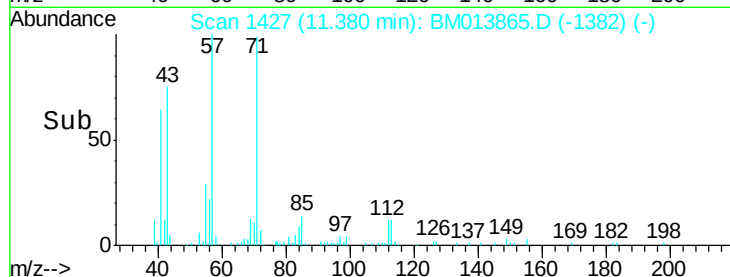
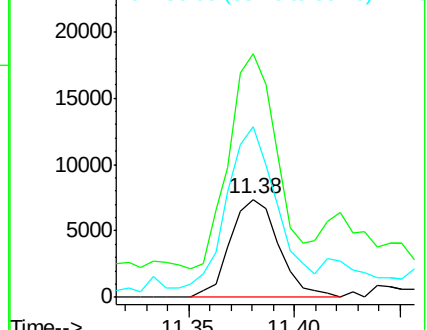
56 174.2 160.0 240.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#34

2-Methylnaphthalene

Concen: 7.649 ng/ul

RT: 12.03 min Scan# 1537

Delta R.T. -0.01 min

Lab File: BM013865.D

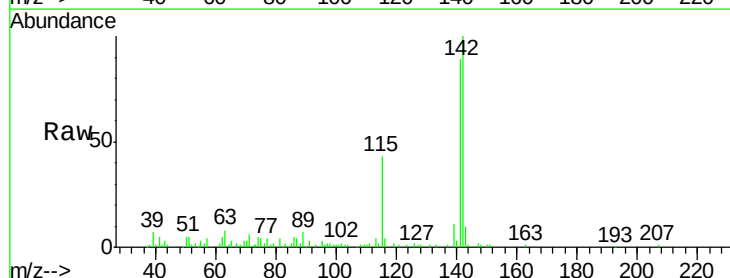
Acq: 27 Jan 2018 03:48

Tgt Ion:142 Resp: 126816

Ion Ratio Lower Upper

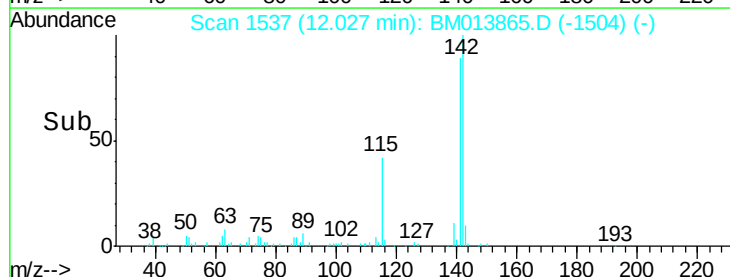
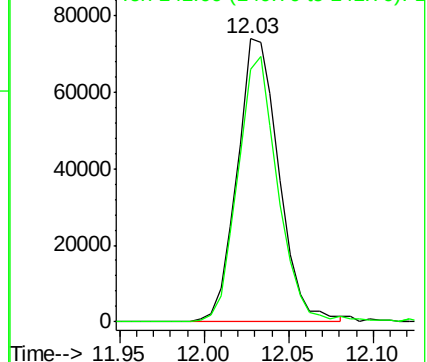
142 100

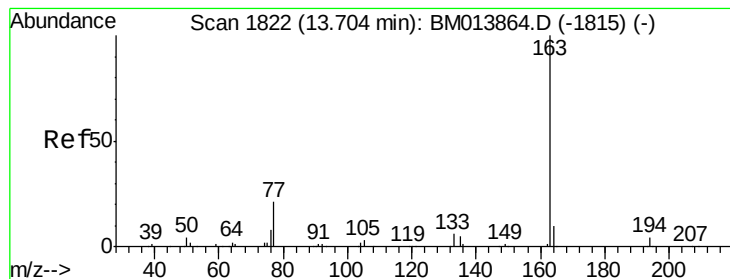
141 89.3 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 4.378 ng/ul

RT: 13.70 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BM013865.D

Acq: 27 Jan 2018 03:48

Instrument :

BNA_M

ClientSampleId :

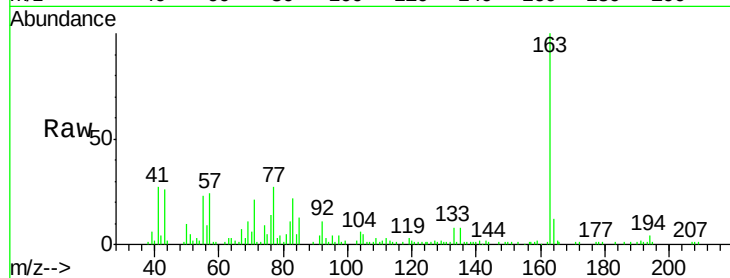
Tot Ion:163 Resp: 97884

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

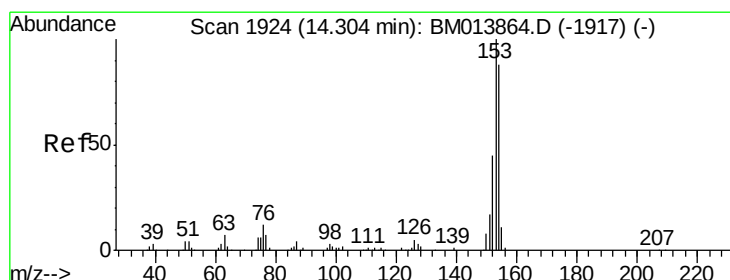
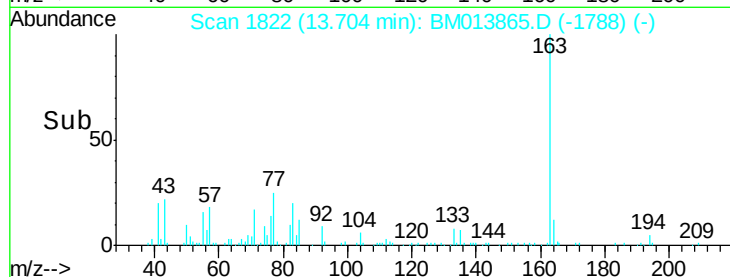
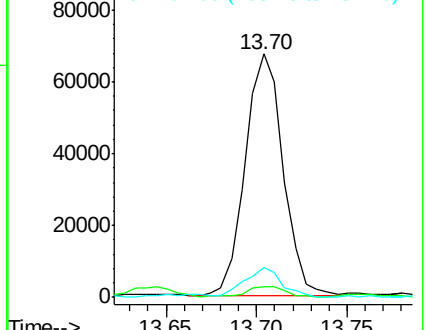
164 12.0 8.2 12.4



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



#49

Acenaphthene

Concen: 13.424 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BM013865.D

Acq: 27 Jan 2018 03:48

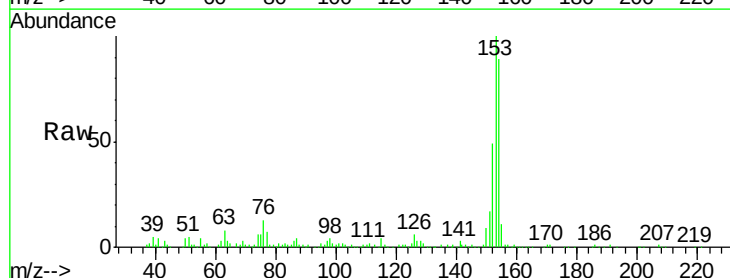
Tgt Ion:153 Resp: 246697

Ion Ratio Lower Upper

153 100

152 49.0 37.6 56.4

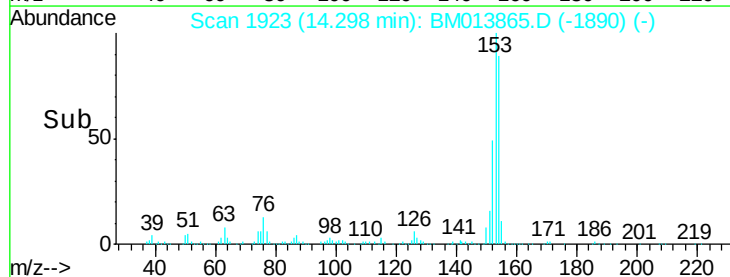
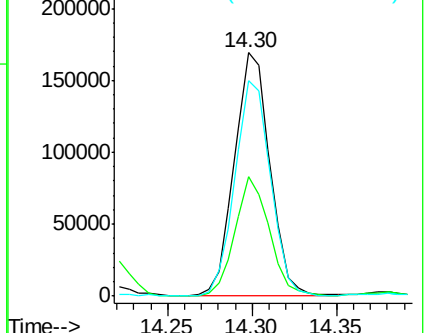
154 88.7 70.4 105.6

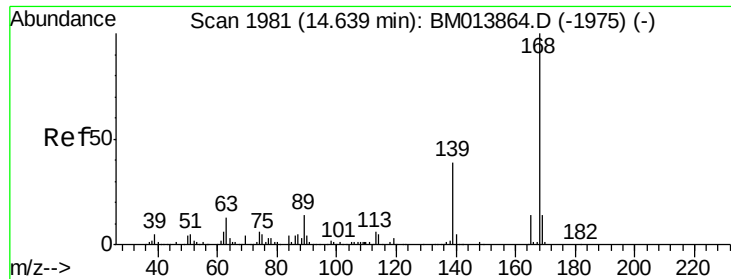


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 9.593 ng/ul

RT: 14.64 min Scan# 1981

Delta R.T. -0.00 min

Lab File: BM013865.D

Acq: 27 Jan 2018 03:48

Instrument :

BNA_M

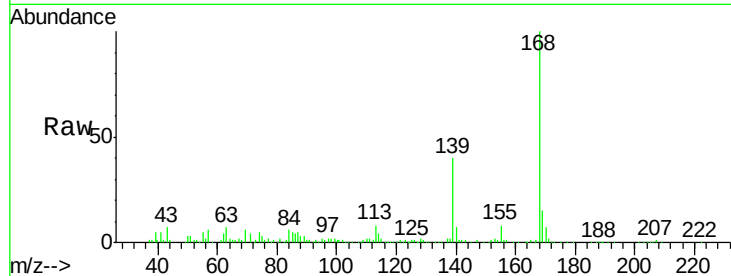
ClientSampleId :

Tot Ion:168 Resp: 265216

Ion Ratio Lower Upper

168 100

139 40.5 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

200000

150000

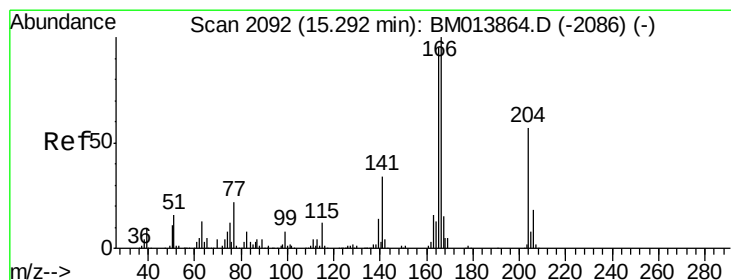
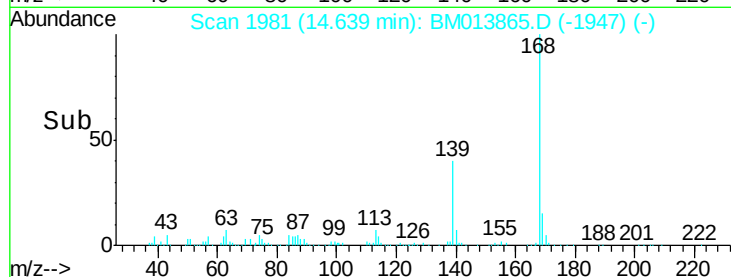
100000

50000

0

14.60 14.65 14.70

Time-->



#58

Fluorene

Concen: 12.661 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. -0.00 min

Lab File: BM013865.D

Acq: 27 Jan 2018 03:48

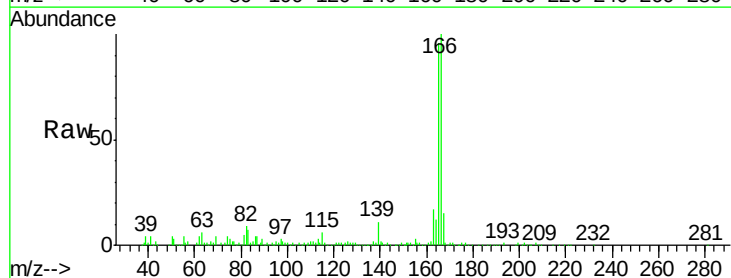
Tgt Ion:166 Resp: 286721

Ion Ratio Lower Upper

166 100

165 96.3 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

250000

200000

150000

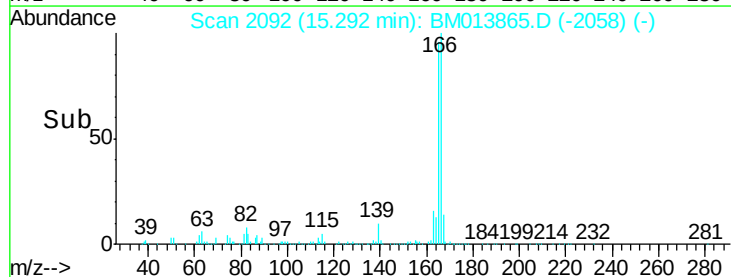
100000

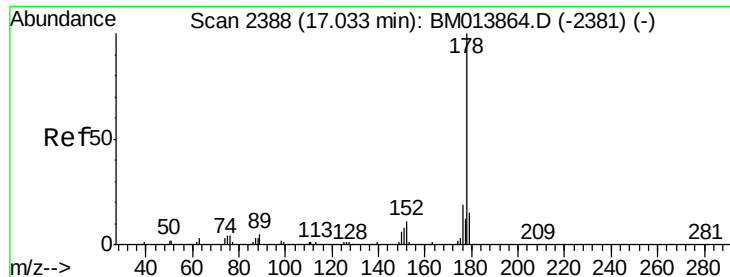
50000

0

15.25 15.30 15.35

Time-->





#69

Phenanthrene

Concen: 42.459 ng/ul

RT: 17.03 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BM013865.D

Acq: 27 Jan 2018 03:48

Instrument :

BNA_M

ClientSampleId :

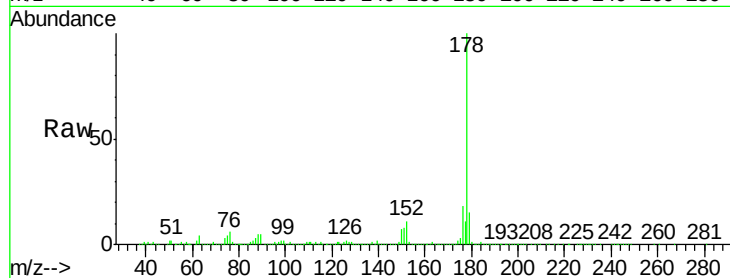
Tot Ion:178 Resp: 1536043

Ion Ratio Lower Upper

178 100

179 15.2 12.6 19.0

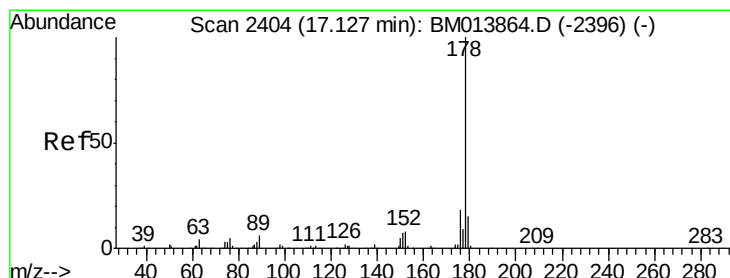
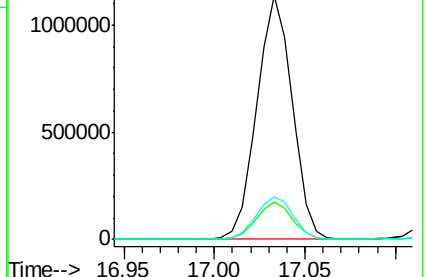
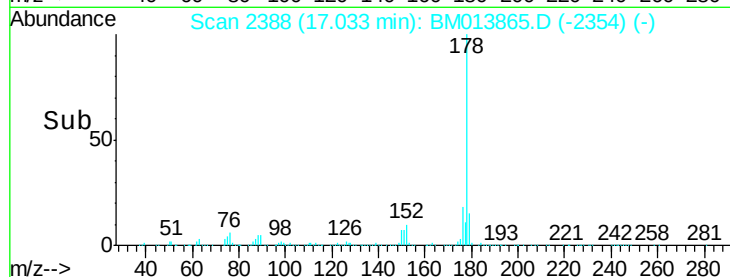
176 17.8 14.9 22.3



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: 6.259 ng/ul

RT: 17.13 min Scan# 2404

Delta R.T. -0.00 min

Lab File: BM013865.D

Acq: 27 Jan 2018 03:48

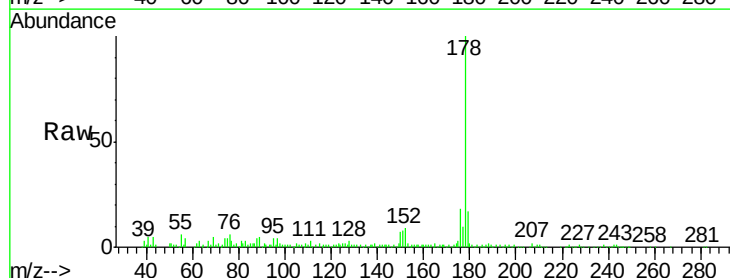
Tgt Ion:178 Resp: 233568

Ion Ratio Lower Upper

178 100

179 17.2 11.7 17.5

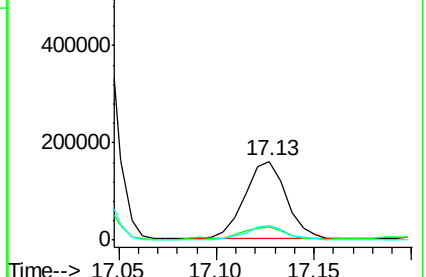
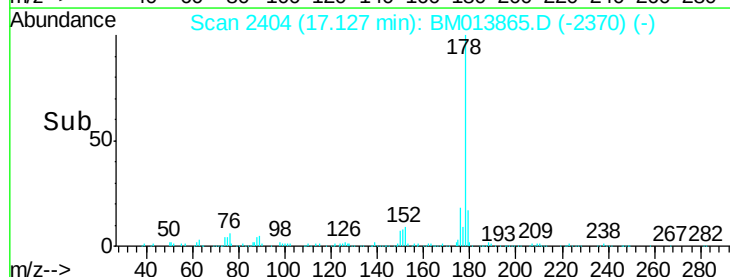
176 17.8 14.6 21.8

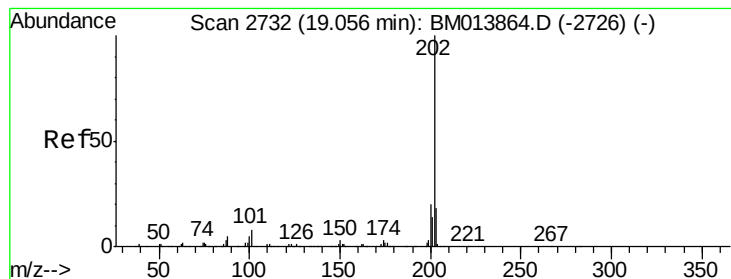


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 27.070 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.00 min

Lab File: BM013865.D

Acq: 27 Jan 2018 03:48

Instrument :

BNA_M

ClientSampleId :

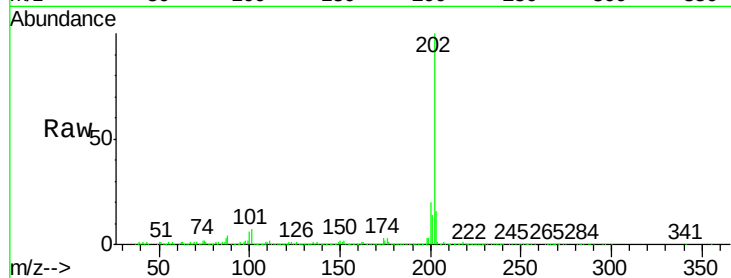
Tot Ion:202 Resp: 1168988

Ion Ratio Lower Upper

202 100

101 7.3 4.6 7.0#

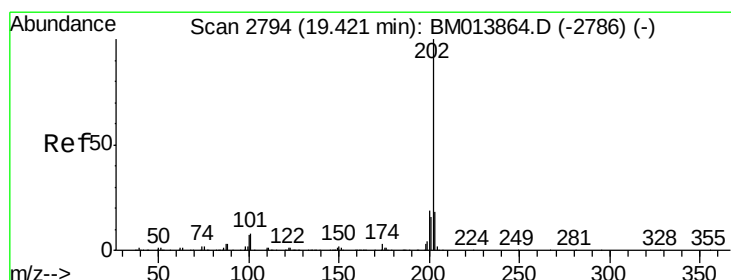
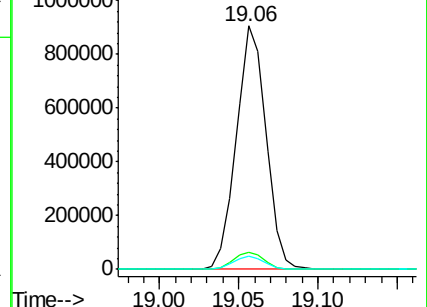
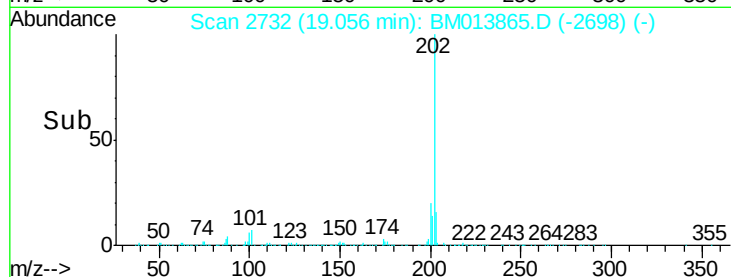
100 5.5 3.4 5.2#



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: 17.705 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BM013865.D

Acq: 27 Jan 2018 03:48

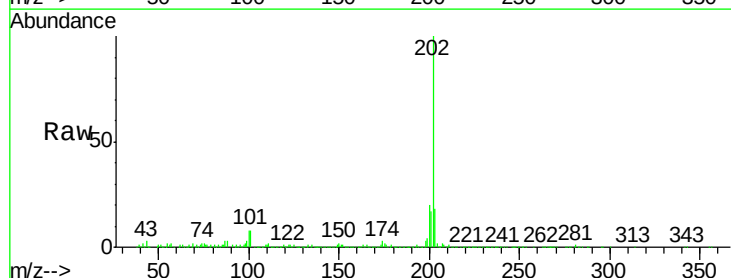
Tgt Ion:202 Resp: 792388

Ion Ratio Lower Upper

202 100

101 8.3 5.1 7.7#

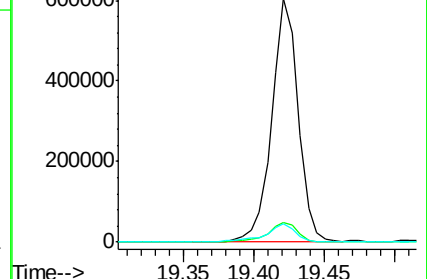
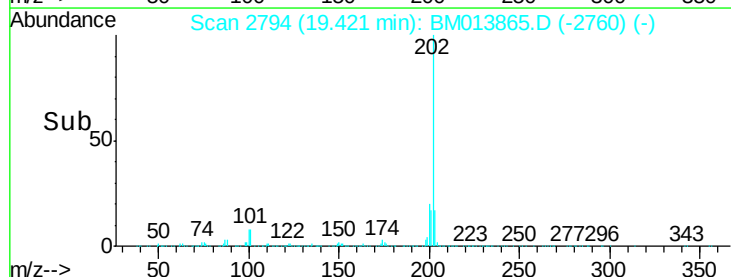
100 7.6 4.9 7.3#

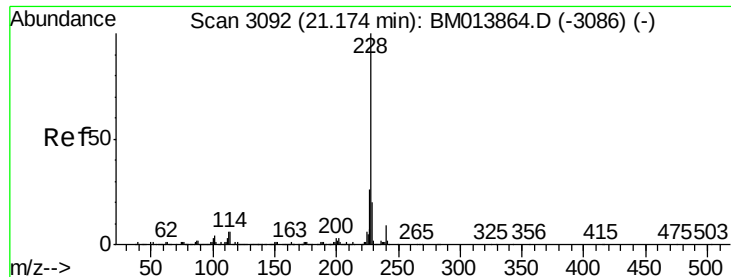


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 3.794 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. -0.00 min

Lab File: BM013865.D

Acq: 27 Jan 2018 03:48

Instrument :

BNA_M

ClientSampleId :

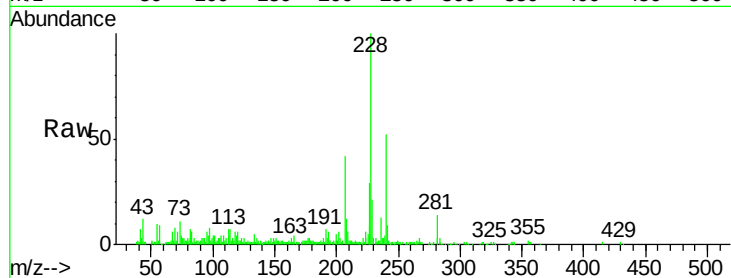
Tot Ion:228 Resp: 168790

Ion Ratio Lower Upper

228 100

229 21.2 15.4 23.0

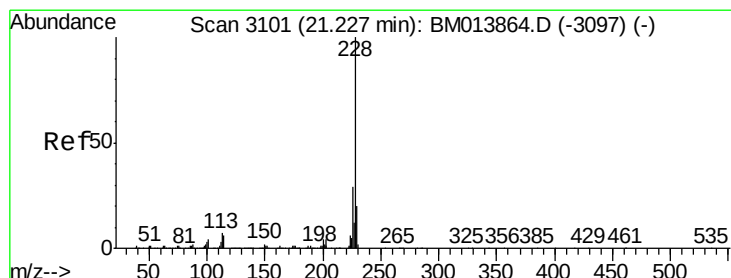
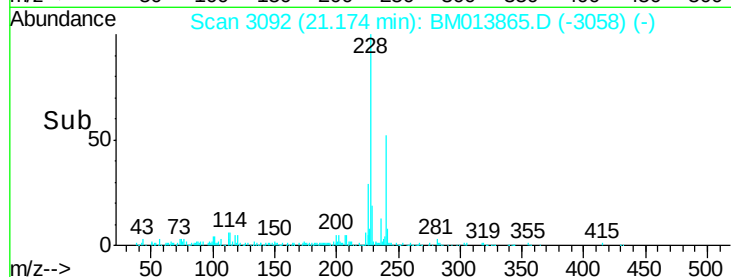
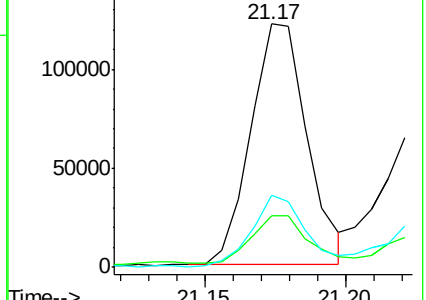
226 29.4 21.4 32.0



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: 3.624 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BM013865.D

Acq: 27 Jan 2018 03:48

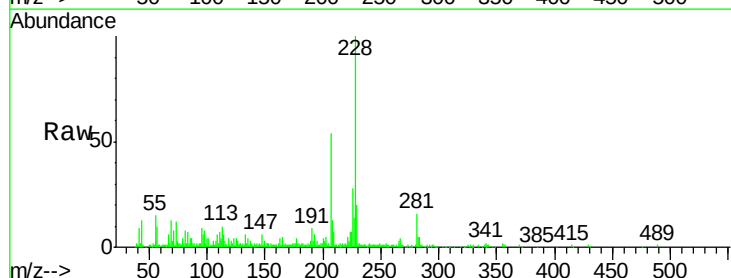
Tgt Ion:228 Resp: 147888

Ion Ratio Lower Upper

228 100

226 27.9 23.4 35.2

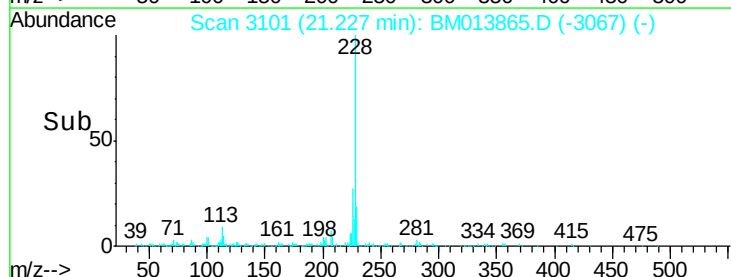
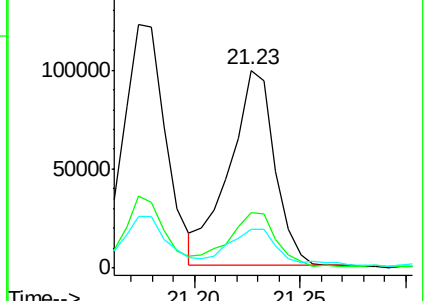
229 19.5 15.5 23.3

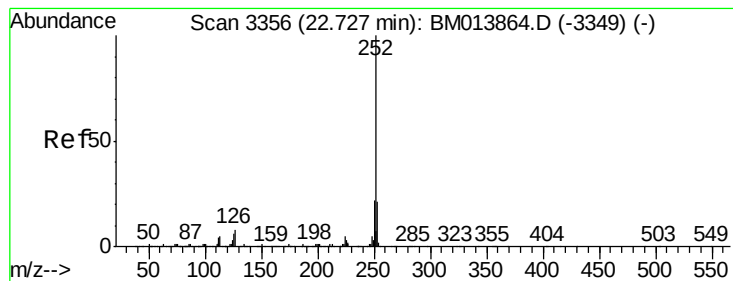


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 2.071 ng/ul

RT: 22.73 min Scan# 3357

Delta R.T. 0.01 min

Lab File: BM013865.D

Acq: 27 Jan 2018 03:48

Instrument :

BNA_M

ClientSampleId :

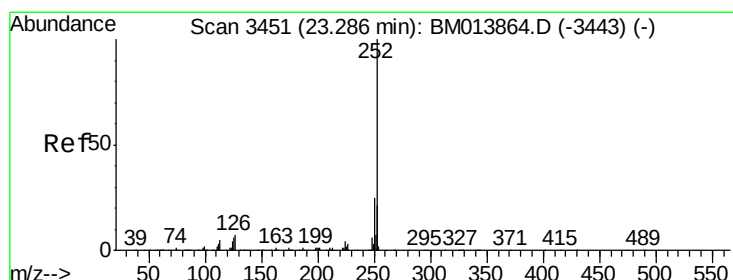
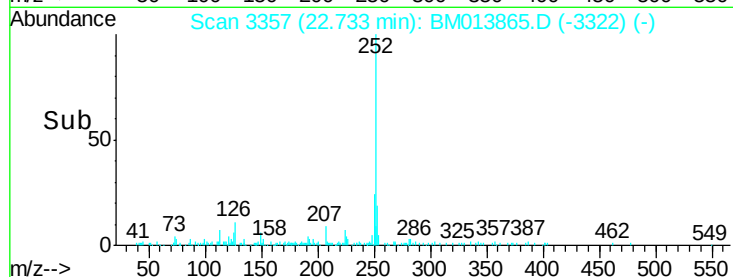
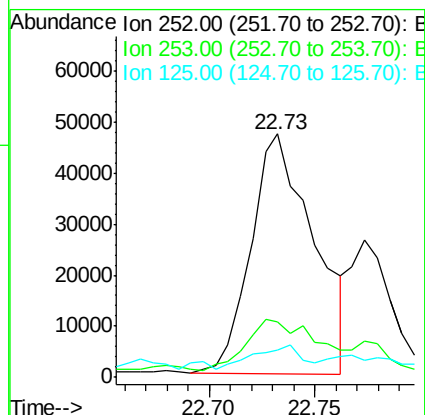
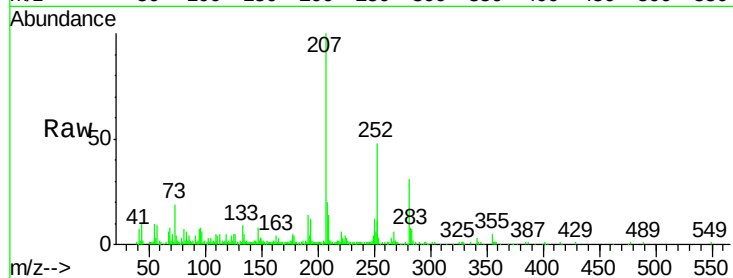
Tot Ion:252 Resp: 97392

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

125 11.3 3.6 5.4#



#88

Benzo(a)pyrene

Concen: 1.016 ng/ul

RT: 23.29 min Scan# 3451

Delta R.T. -0.00 min

Lab File: BM013865.D

Acq: 27 Jan 2018 03:48

Tgt Ion:252 Resp: 45112

Ion Ratio Lower Upper

252 100

253 28.2 18.2 27.2#

125 15.0 4.0 6.0#

