

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071615\
 Data File : BM001963.D
 Acq On : 17 Jul 2015 01:22
 Operator : TP/UM
 Sample : G2998-14
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01H1

Quant Time: Jul 17 03:04:34 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 17 01:40:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	86282	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	360895	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.31	164	225342	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	489375	20.00	ng/ul	0.00
77) Chrysene-d12	21.25	240	406757	20.00	ng/ul	0.00
85) Perylene-d12	23.47	264	357258	20.00	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.13	96	3346	1.90	ng/uL	0.00
5) Phenol-d5	6.82	99	74581	10.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	43618	11.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	62233	11.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	55145	9.53	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	30823	11.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	35737	11.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	66614	11.03	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	59526	9.58	ng/ul	0.00
43) Dimethylphthalate-d6	13.72	166	208500	11.47	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	248421	11.36	ng/ul	0.00
51) 4-Nitrophenol-d4	14.51	143	27150	8.82	ng/ul	0.00
57) Fluorene-d10	15.30	176	177194	11.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	15593	4.92	ng/ul	0.00
70) Anthracene-d10	17.15	188	246136	10.71	ng/ul	0.00
78) Pyrene-d10	19.46	212	242008	13.03	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.33	264	173438	9.60	ng/ul	-0.01

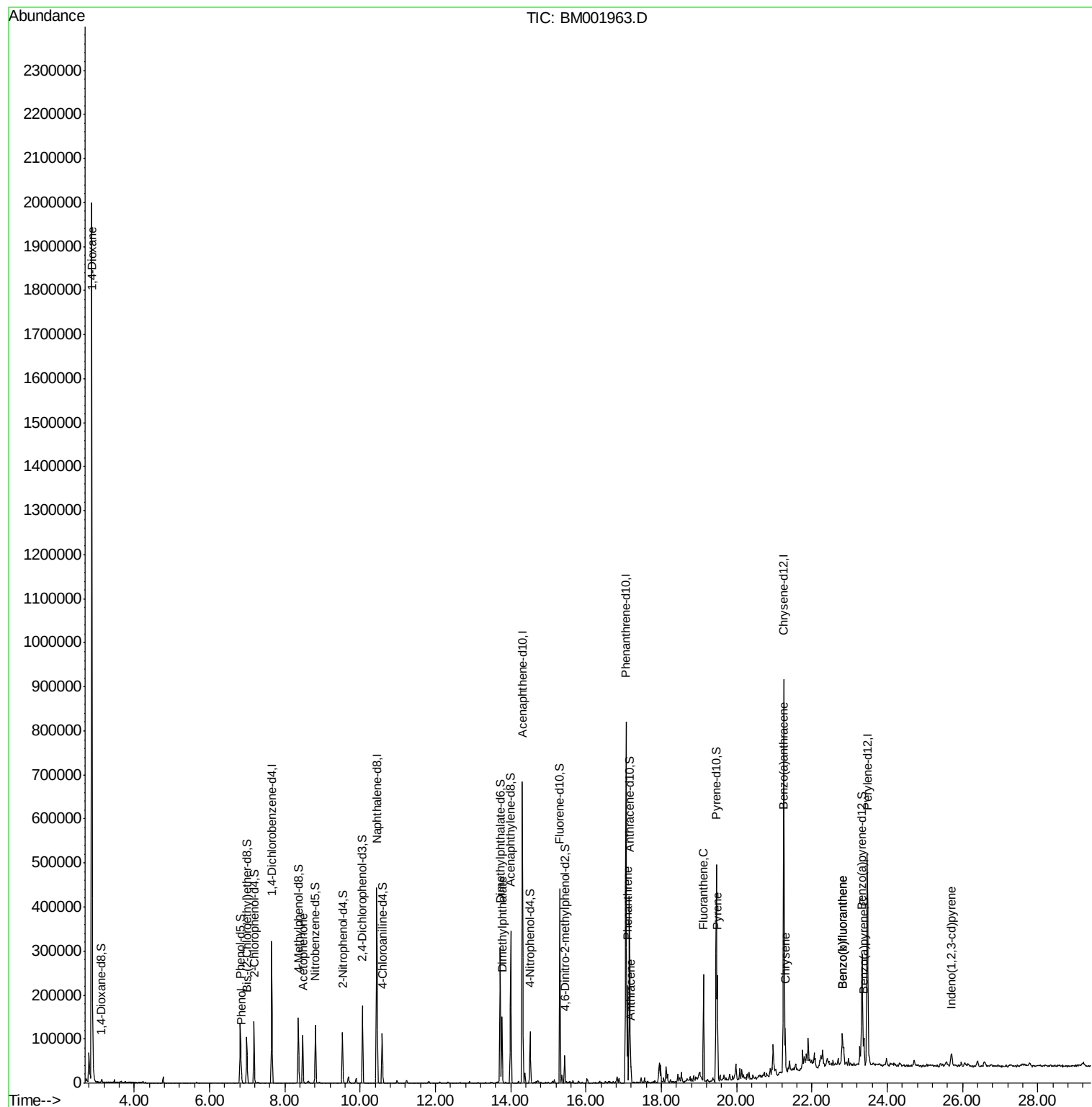
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.87	88	15544	8.35	ng/uL#	1
6) Phenol	6.85	94	12271	1.69	ng/ul	96
14) Acetophenone	8.47	105	59407	6.50	ng/ul	99
44) Dimethylphthalate	13.77	163	97806	5.29	ng/ul	100
69) Phenanthrene	17.10	178	131828	4.97	ng/ul	99
71) Anthracene	17.19	178	27869	1.02	ng/ul	96
76) Fluoranthene	19.12	202	152826	4.93	ng/ul	98
79) Pyrene	19.48	202	151631	6.23	ng/ul	99
82) Benzo(a)anthracene	21.23	228	62566	2.58	ng/ul	98
84) Chrysene	21.29	228	58372	2.57	ng/ul	96
87) Benzo(b)fluoranthene	22.80	252	62234	2.84	ng/ul	97
88) Benzo(k)fluoranthene	22.80	252	48612	2.31	ng/ul	98
90) Benzo(a)pyrene	23.37	252	48250	2.35	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.70	276	28967	1.34	ng/ul	97

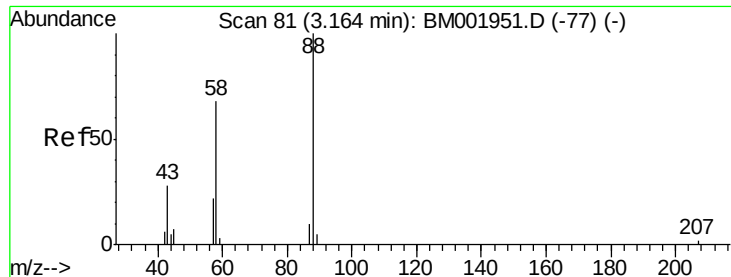
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 8.35 ng/uL

RT: 2.87 min Scan# 31

Delta R.T. -0.29 min

Lab File: BM001963.D

Acq: 17 Jul 2015 01:22

Instrument :

BNA_M

ClientSampleId :

C01H1

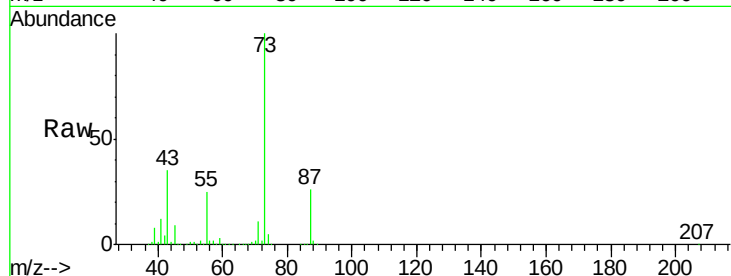
Tgt Ion: 88 Resp: 15544

Ion Ratio Lower Upper

88 100

43 2227.4 22.1 33.1#

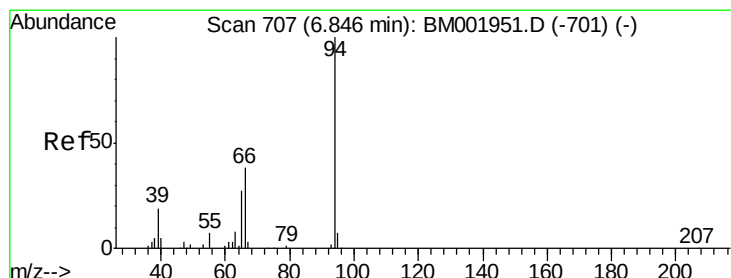
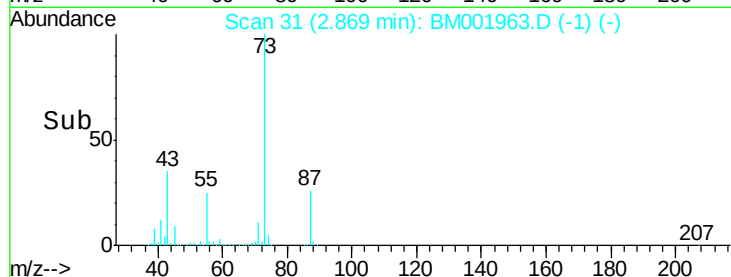
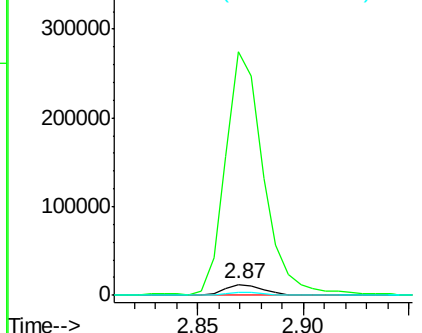
58 26.8 54.9 82.3#



Abundance Ion 88.00 (87.70 to 88.70): BM001951.D (-77) (-)

Ion 43.00 (42.70 to 43.70): BM001951.D (-77) (-)

Ion 58.00 (57.70 to 58.70): BM001951.D (-77) (-)



#6

Phenol

Concen: 1.69 ng/uL

RT: 6.85 min Scan# 707

Delta R.T. -0.00 min

Lab File: BM001963.D

Acq: 17 Jul 2015 01:22

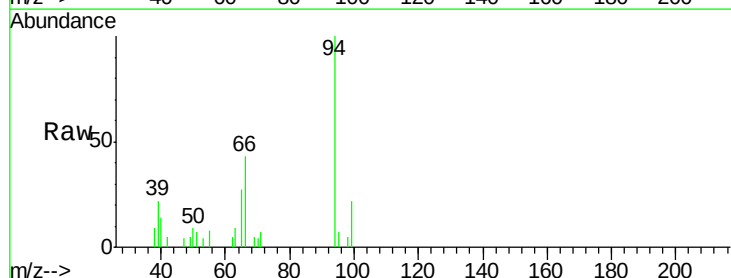
Tgt Ion: 94 Resp: 12271

Ion Ratio Lower Upper

94 100

65 27.4 23.6 35.4

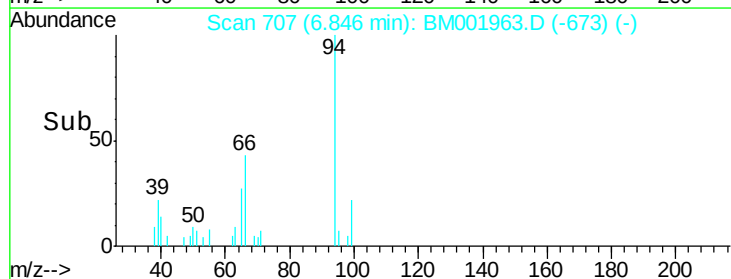
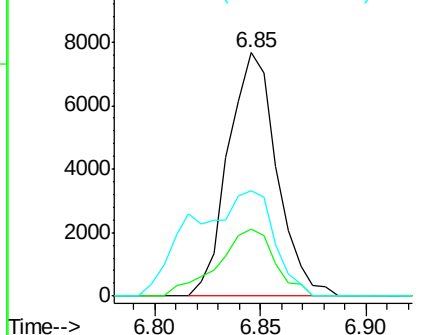
66 43.3 33.0 49.6

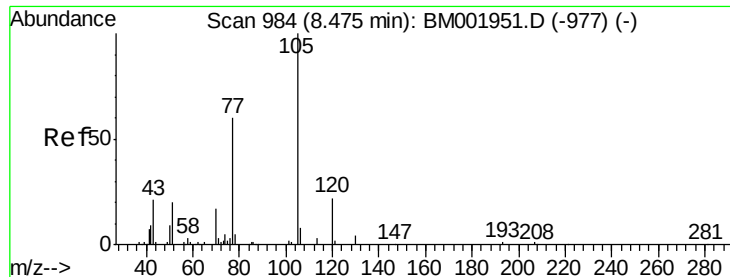


Abundance Ion 94.00 (93.70 to 94.70): BM001951.D (-701) (-)

Ion 65.00 (64.70 to 65.70): BM001951.D (-701) (-)

Ion 66.00 (65.70 to 66.70): BM001951.D (-701) (-)





#14

Acetophenone

Concen: 6.50 ng/ul

RT: 8.47 min Scan# 984

Delta R.T. -0.00 min

Lab File: BM001963.D

Acq: 17 Jul 2015 01:22

Instrument :

BNA_M

ClientSampleId :

C01H1

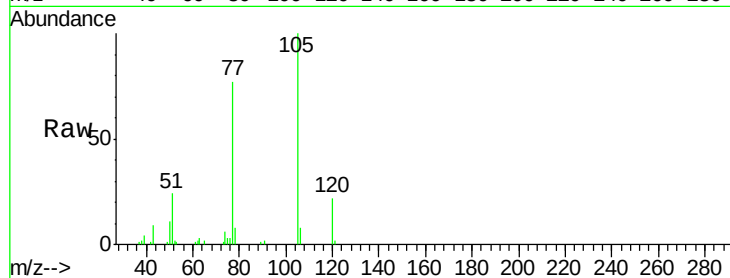
Tgt Ion:105 Resp: 59407

Ion Ratio Lower Upper

105 100

77 76.9 61.7 92.5

51 24.0 20.2 30.4



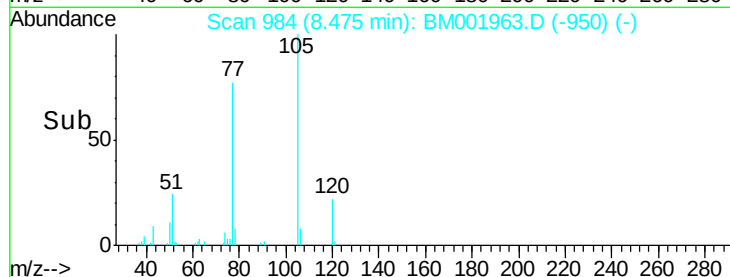
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM001951.D (-977) (-)

Ion 51.00 (50.70 to 51.70): BM001951.D (-977) (-)

Time-->

8.40 8.45 8.50 8.55



Abundance

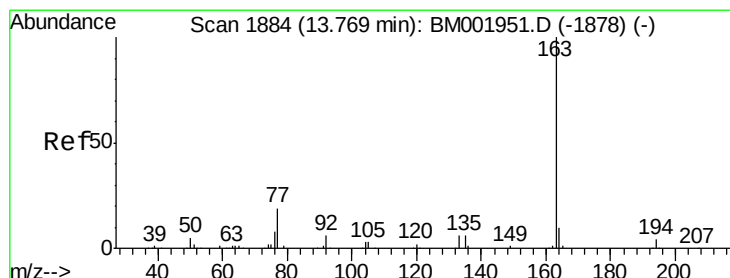
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM001963.D (-950) (-)

Ion 51.00 (50.70 to 51.70): BM001963.D (-950) (-)

Time-->

8.40 8.45 8.50 8.55



#44

Dimethylphthalate

Concen: 5.29 ng/ul

RT: 13.77 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BM001963.D

Acq: 17 Jul 2015 01:22

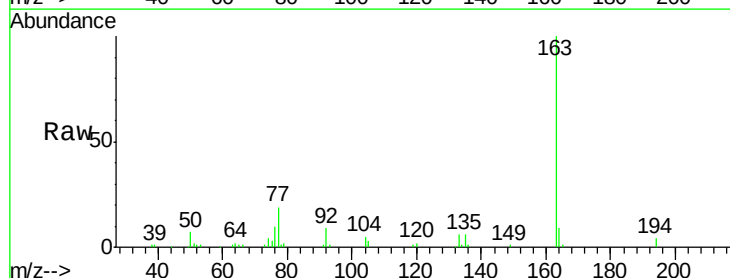
Tgt Ion:163 Resp: 97806

Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

164 9.4 7.6 11.4



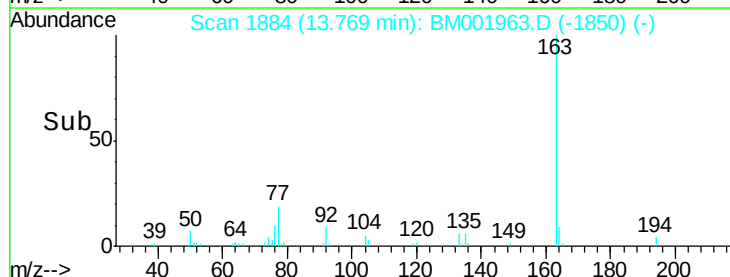
Abundance Ion 163.00 (162.70 to 163.70): E

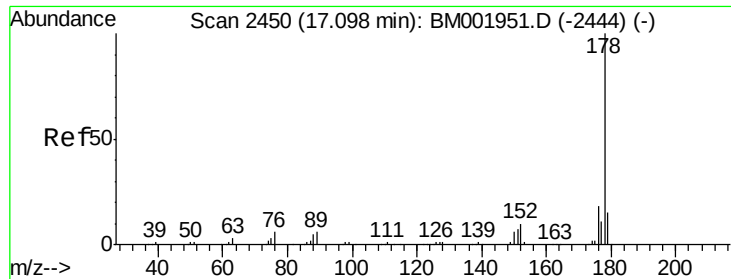
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->

13.75 13.80





#69

Phenanthrene

Concen: 4.97 ng/ul

RT: 17.10 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BM001963.D

Acq: 17 Jul 2015 01:22

Instrument :

BNA_M

ClientSampleId :

C01H1

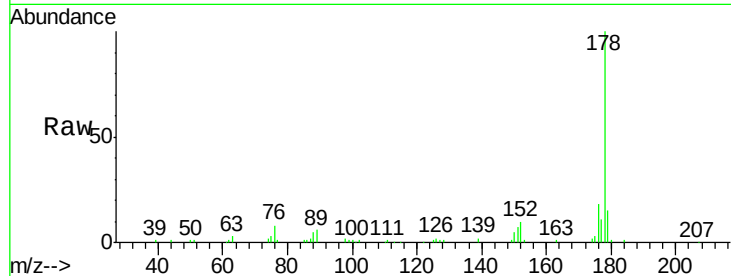
Tgt Ion:178 Resp: 131828

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.2

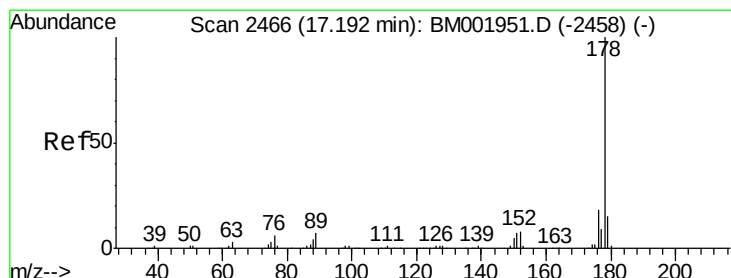
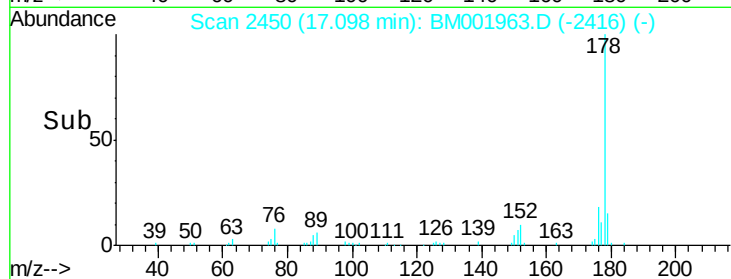
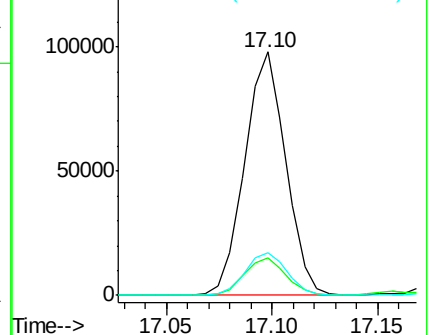
176 17.7 14.5 21.7



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: 1.02 ng/ul

RT: 17.19 min Scan# 2465

Delta R.T. -0.01 min

Lab File: BM001963.D

Acq: 17 Jul 2015 01:22

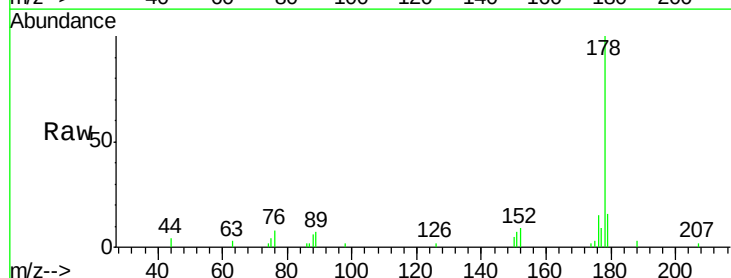
Tgt Ion:178 Resp: 27869

Ion Ratio Lower Upper

178 100

179 16.5 12.4 18.6

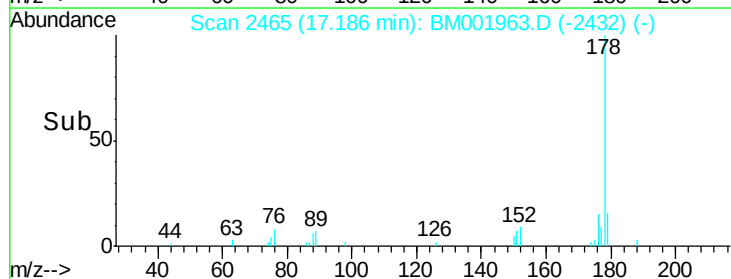
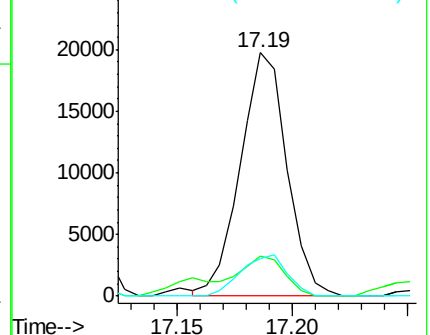
176 15.2 14.2 21.4

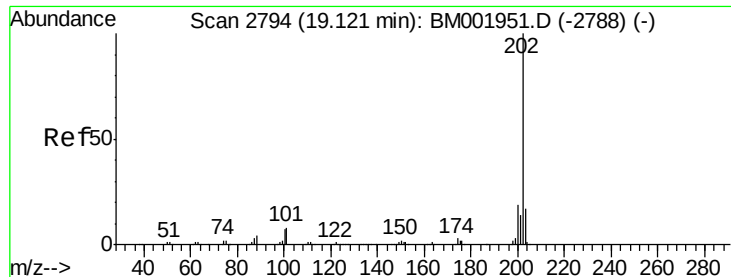


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 4.93 ng/ul

RT: 19.12 min Scan# 2793

Delta R.T. -0.01 min

Lab File: BM001963.D

Acq: 17 Jul 2015 01:22

Instrument :

BNA_M

ClientSampled :

C01H1

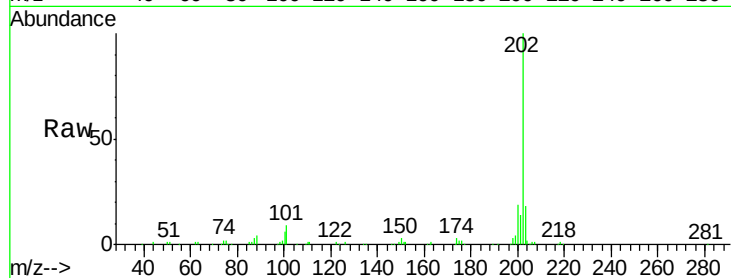
Tgt Ion:202 Resp: 152826

Ion Ratio Lower Upper

202 100

101 9.2 6.6 9.8

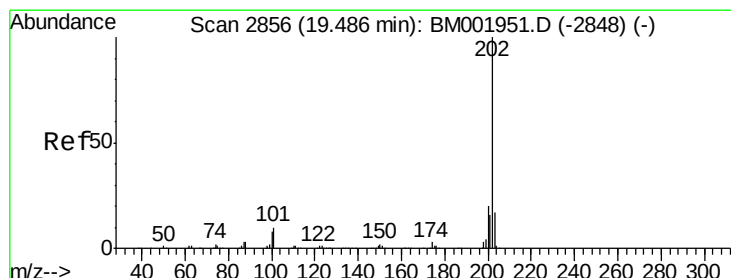
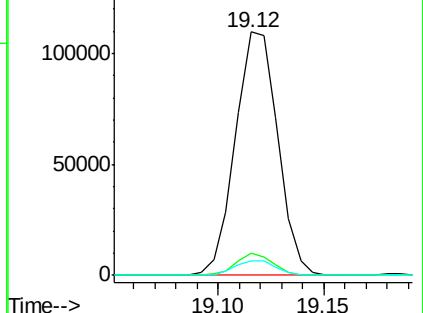
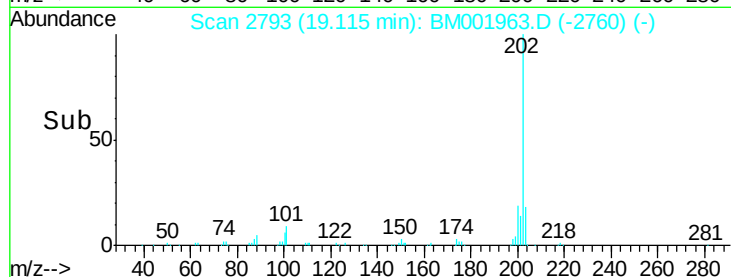
100 6.2 5.2 7.8



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



#79

Pyrene

Concen: 6.23 ng/ul

RT: 19.48 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BM001963.D

Acq: 17 Jul 2015 01:22

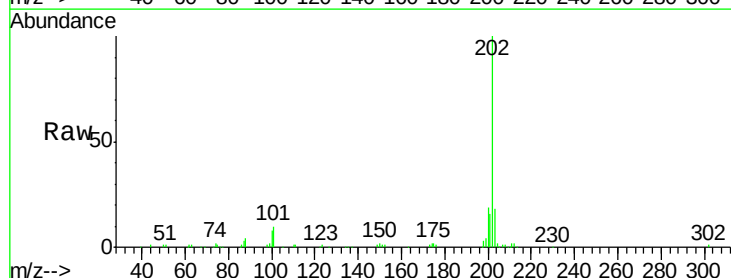
Tgt Ion:202 Resp: 151631

Ion Ratio Lower Upper

202 100

101 9.6 7.4 11.0

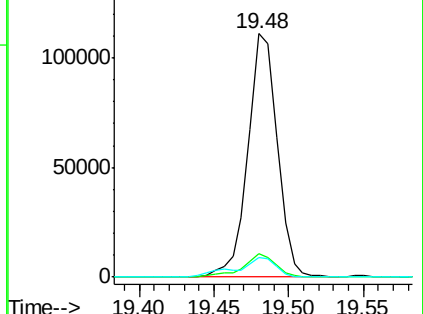
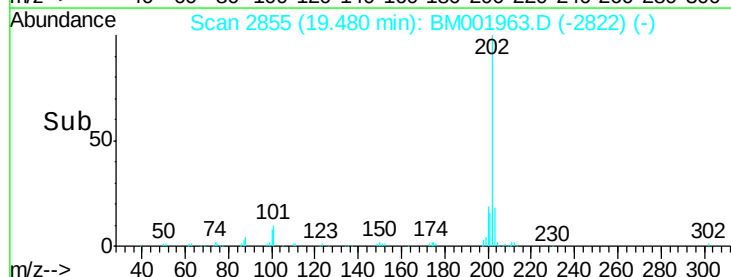
100 8.1 5.9 8.9

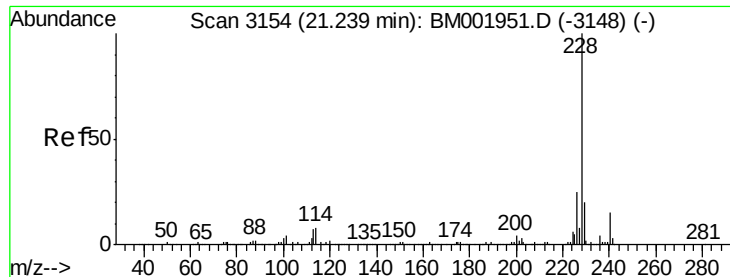


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 2.58 ng/ul

RT: 21.23 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BM001963.D

Acq: 17 Jul 2015 01:22

Instrument :

BNA_M

ClientSampleId :

C01H1

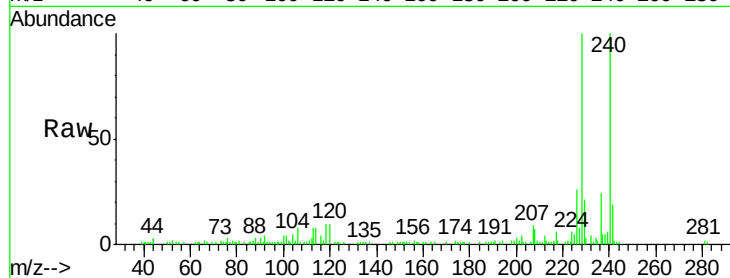
Tgt Ion:228 Resp: 62566

Ion Ratio Lower Upper

228 100

229 20.8 15.2 22.8

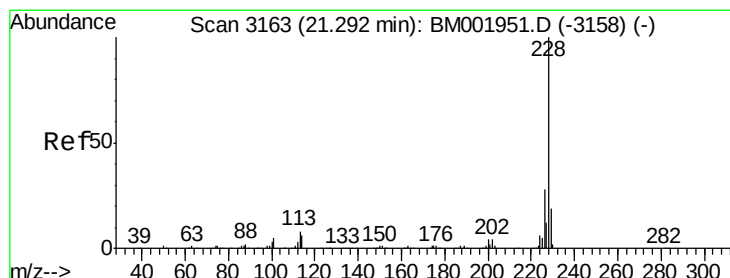
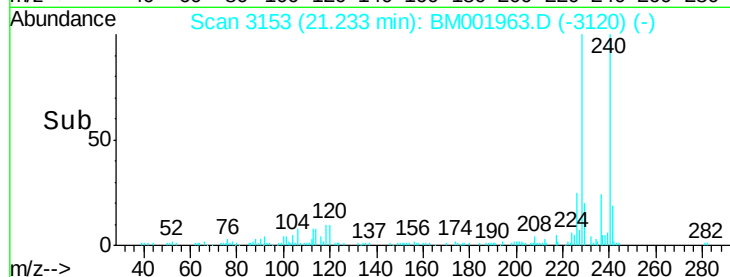
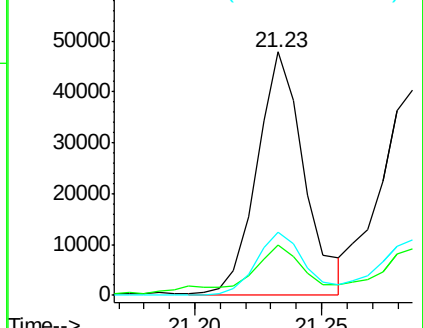
226 25.9 20.8 31.2



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



#84

Chrysene

Concen: 2.57 ng/ul

RT: 21.29 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BM001963.D

Acq: 17 Jul 2015 01:22

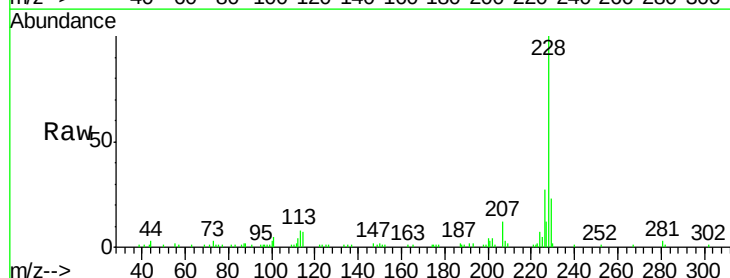
Tgt Ion:228 Resp: 58372

Ion Ratio Lower Upper

228 100

226 27.1 22.6 33.8

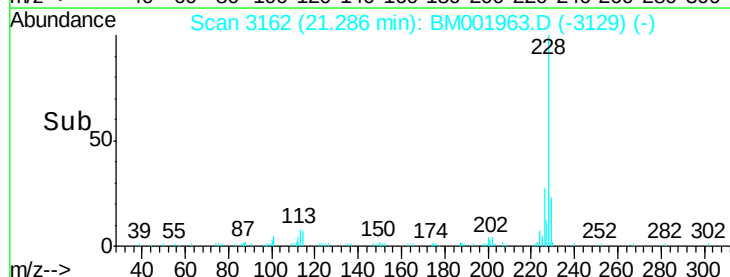
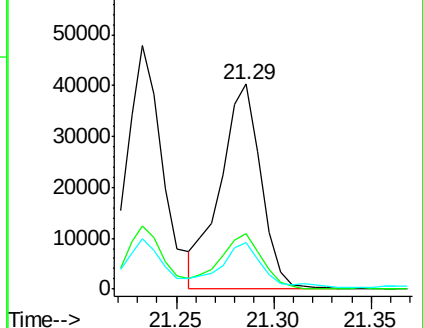
229 22.6 15.4 23.0

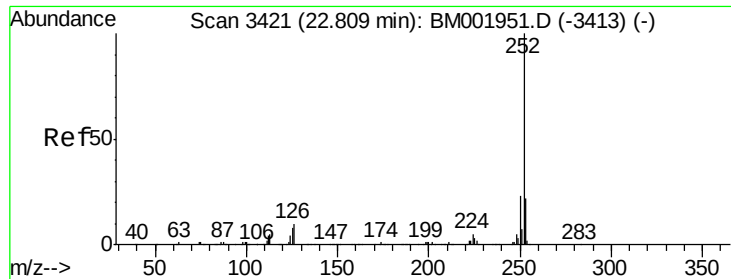


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

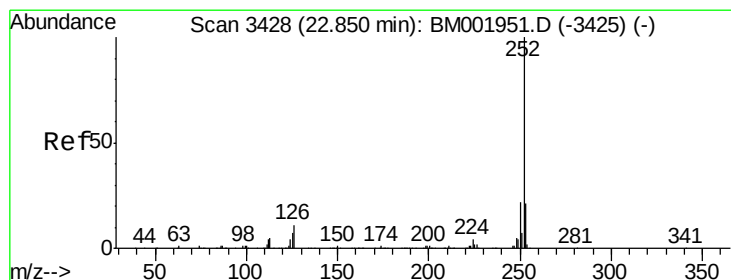
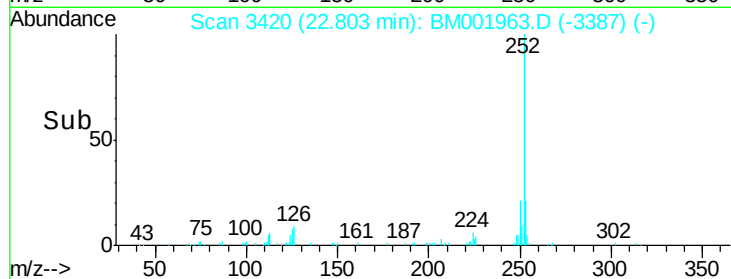
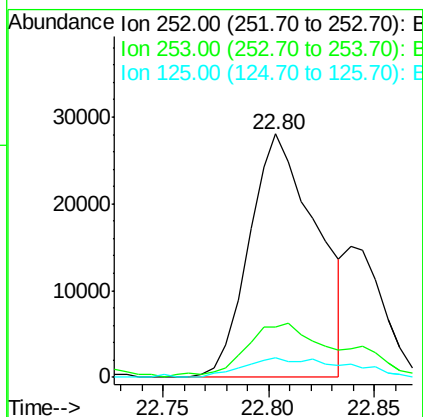
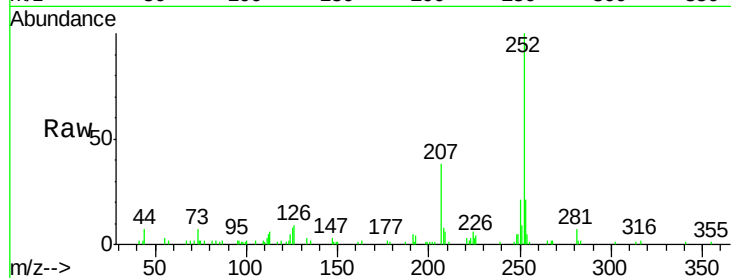




#87
Benzo(b)fluoranthene
Concen: 2.84 ng/ul
RT: 22.80 min Scan# 3420
Delta R.T. -0.01 min
Lab File: BM001963.D
Acq: 17 Jul 2015 01:22

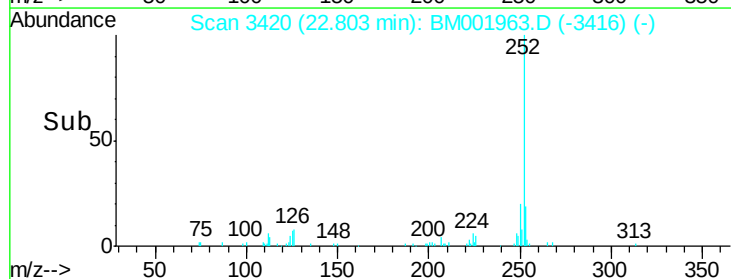
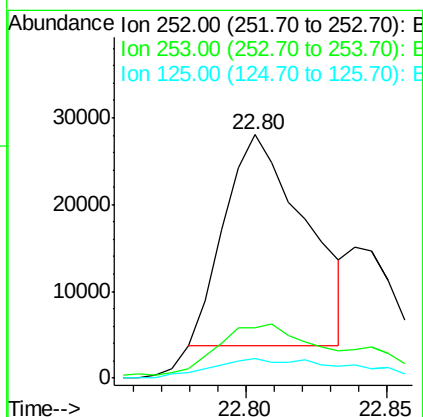
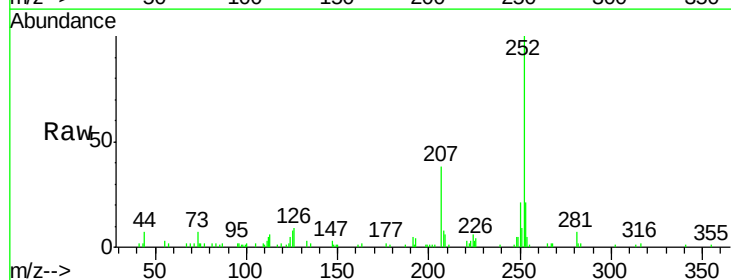
Instrument :
BNA_M
ClientSampleId :
C01H1

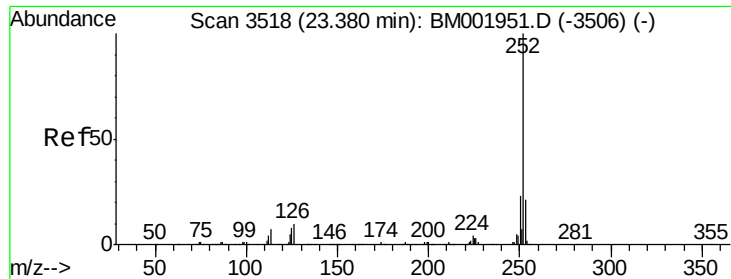
Tgt Ion:252 Resp: 62234
Ion Ratio Lower Upper
252 100
253 20.6 17.6 26.4
125 8.3 6.1 9.1



#88
Benzo(k)fluoranthene
Concen: 2.31 ng/ul
RT: 22.80 min Scan# 3420
Delta R.T. -0.05 min
Lab File: BM001963.D
Acq: 17 Jul 2015 01:22

Tgt Ion:252 Resp: 48612
Ion Ratio Lower Upper
252 100
253 20.6 17.1 25.7
125 8.3 5.6 8.4





#90

Benzo(a)pyrene

Concen: 2.35 ng/ul

RT: 23.37 min Scan# 3516

Delta R.T. -0.01 min

Lab File: BM001963.D

Acq: 17 Jul 2015 01:22

Instrument :

BNA_M

ClientSampleId :

C01H1

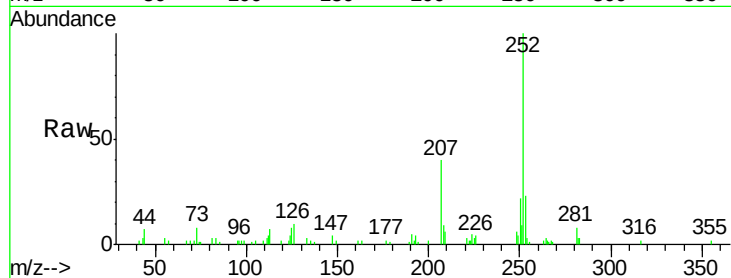
Tgt Ion:252 Resp: 48250

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

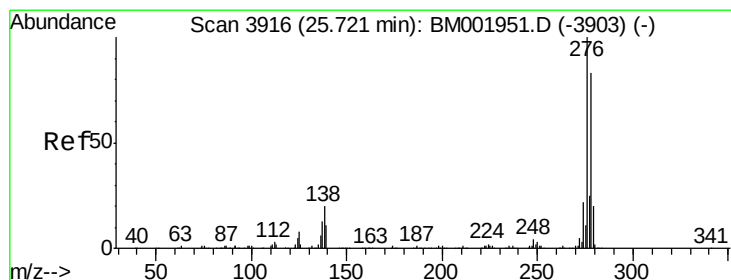
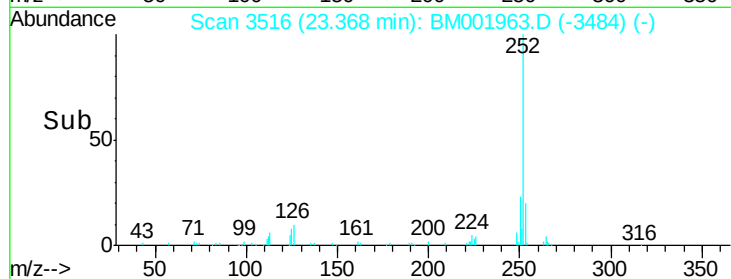
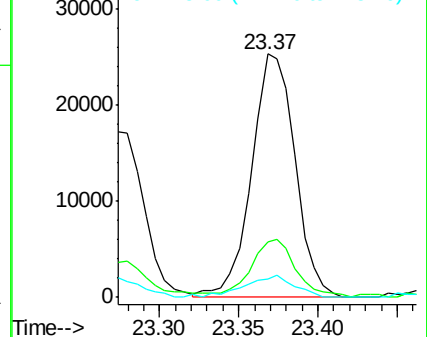
125 7.8 6.4 9.6



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 1.34 ng/ul

RT: 25.70 min Scan# 3913

Delta R.T. -0.02 min

Lab File: BM001963.D

Acq: 17 Jul 2015 01:22

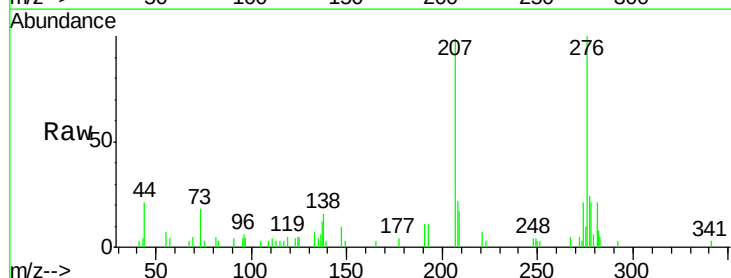
Tgt Ion:276 Resp: 28967

Ion Ratio Lower Upper

276 100

138 16.5 15.4 23.0

277 24.3 19.9 29.9



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

