

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012716\
 Data File : BM004130.D
 Acq On : 27 Jan 2016 11:03
 Operator : SJ/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

Quant Time: Jan 27 23:57:43 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM012216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 22 14:46:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	18944	5.00	ng	0.00
7) Naphthalene-d8	10.44	136	83570	5.00	ng	0.00
13) Acenaphthene-d10	14.31	164	51797	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	152203	5.00	ng	0.00
26) Chrysene-d12	21.27	240	164036	5.00	ng	0.00
35) Perylene-d12	23.51	264	144063	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	3580	0.91	ng	0.00
5) Phenol-d6	6.85	99	4286	0.90	ng	0.00
8) Nitrobenzene-d5	8.83	82	3360	0.92	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	1288	0.90	ng	0.00
15) 2-Fluorobiphenyl	12.93	172	14042	0.88	ng	0.00
29) Terphenyl-d14	19.71	244	18261	0.88	ng	0.00

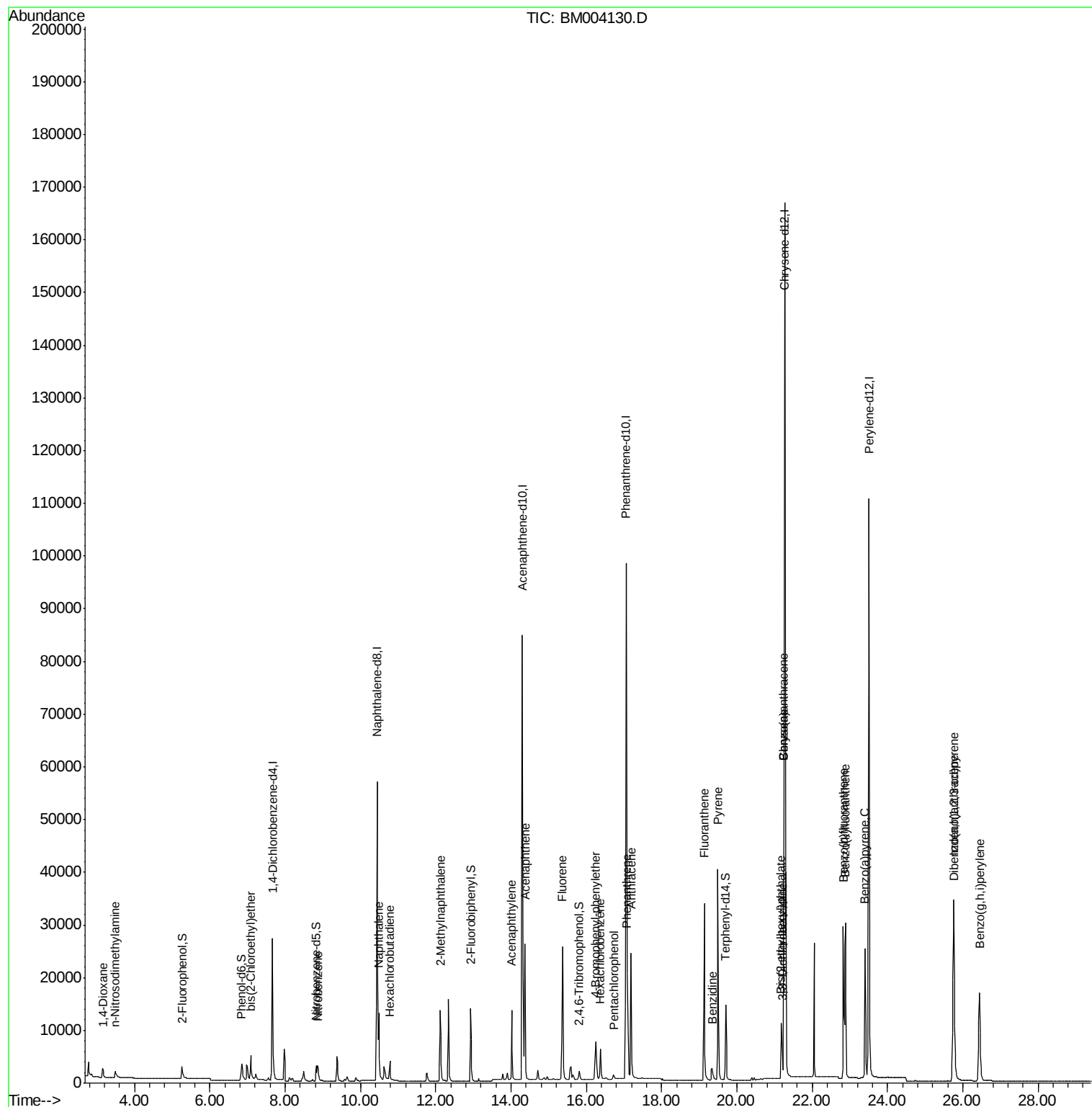
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.17	88	1764	0.96	ng	99
3) n-Nitrosodimethylamine	3.49	42	1505	0.89	ng	96
6) bis(2-Chloroethyl)ether	7.09	93	4035	0.91	ng	97
9) Nitrobenzene	8.87	77	3799	0.91	ng	100
10) Naphthalene	10.49	128	17815	0.91	ng	98
11) Hexachlorobutadiene	10.78	225	2727	0.91	ng	99
12) 2-Methylnaphthalene	12.12	142	11768	0.92	ng	96
16) Acenaphthylene	14.02	152	19996	0.89	ng	100
17) Acenaphthene	14.37	154	14673	0.87	ng	97
18) Fluorene	15.37	166	18007	0.87	ng	99
20) 4-Bromophenyl-phenylether	16.24	248	4467	0.90	ng	# 18
21) Hexachlorobenzene	16.37	284	4734	0.91	ng	# 63
22) Pentachlorophenol	16.73	266	1066	0.90	ng	# 80
23) Phenanthrene	17.09	178	30098	0.92	ng	99
24) Anthracene	17.19	178	31585	0.91	ng	99
25) Fluoranthene	19.14	202	37512	0.91	ng	100
27) Benzidine	19.35	184	6616	0.95	ng	97
28) Pyrene	19.50	202	40509	0.88	ng	100
30) Benzo(a)anthracene	21.25	228	47675	0.96	ng	# 86
31) 3,3'-Dichlorobenzidine	21.21	252	8322	0.85	ng	91
32) Chrysene	21.25	228	47664	1.08	ng	97
33) Bis(2-ethylhexyl)phthalate	21.17	149	14241	0.92	ng	# 54
34) Indeno(1,2,3-cd)pyrene	25.76	276	38535	0.80	ng	100
36) Benzo(b)fluoranthene	22.83	252	42240	0.95	ng	95
37) Benzo(k)fluoranthene	22.88	252	35670	0.88	ng	100
38) Benzo(a)pyrene	23.40	252	35889	0.91	ng	97
39) Dibenzo(a,h)anthracene	25.77	278	29782	0.84	ng	99
40) Benzo(g,h,i)perylene	26.45	276	34388	0.89	ng	100

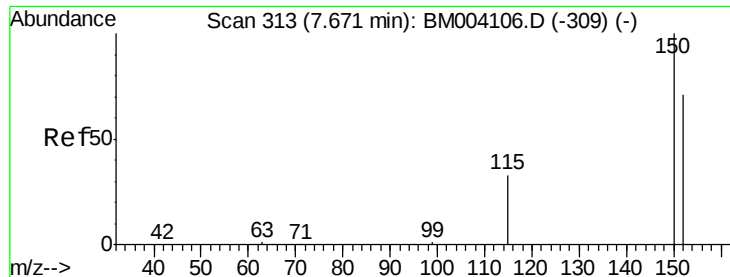
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.67 min Scan# 313

Delta R.T. -0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

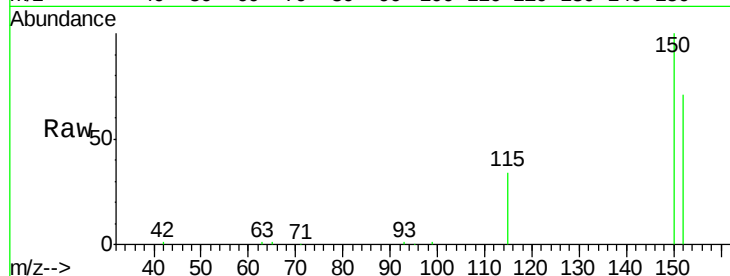
Tgt Ion: 152 Resp: 18944

Ion Ratio Lower Upper

152 100

150 141.1 122.9 184.3

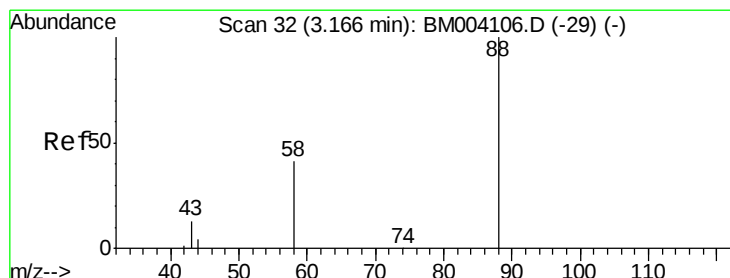
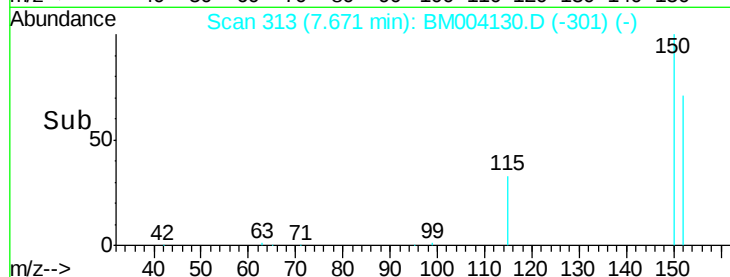
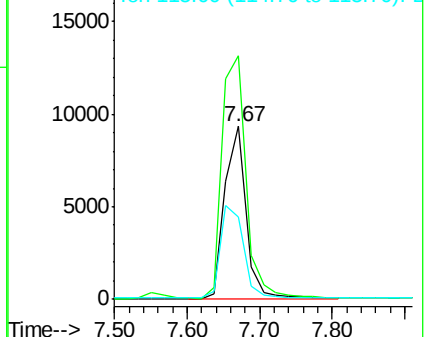
115 47.6 44.4 66.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.96 ng

RT: 3.17 min Scan# 32

Delta R.T. -0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

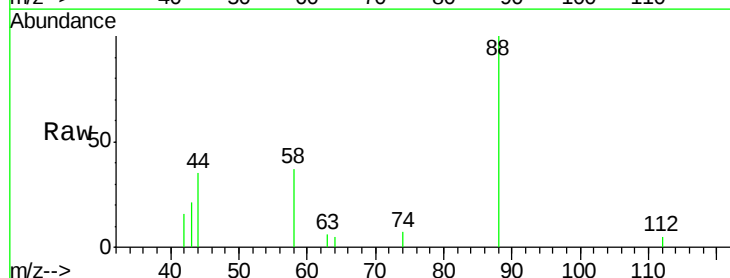
Tgt Ion: 88 Resp: 1764

Ion Ratio Lower Upper

88 100

58 67.7 53.8 80.6

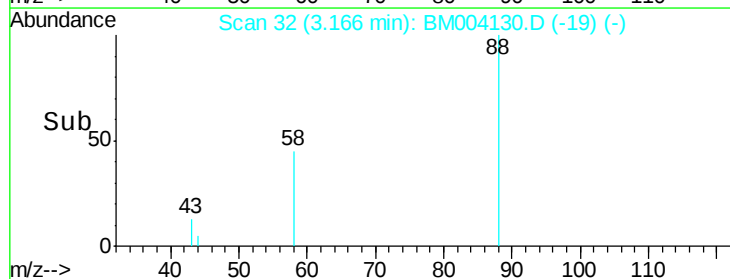
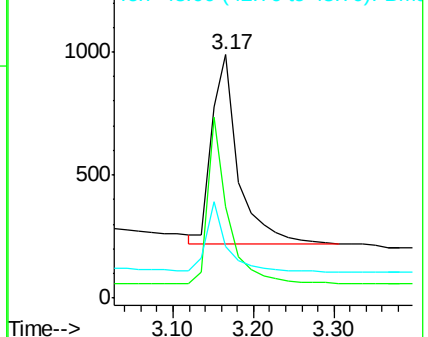
43 29.4 23.8 35.6

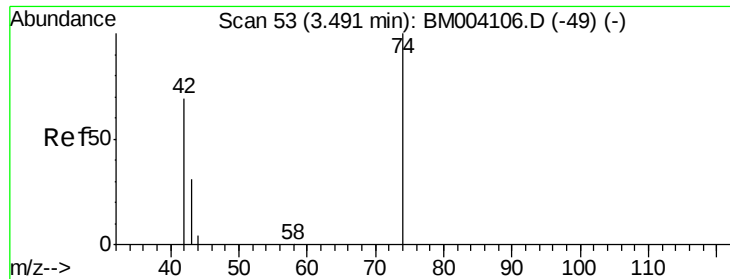


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.89 ng

RT: 3.49 min Scan# 53

Delta R.T. -0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

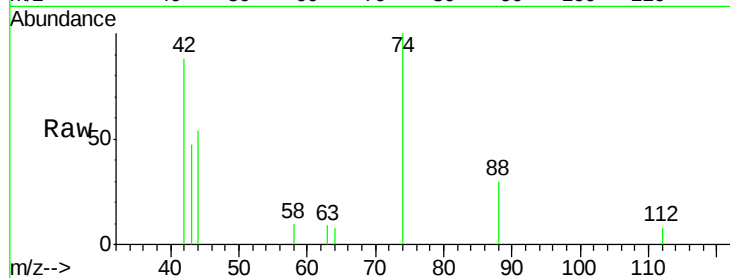
Tgt Ion: 42 Resp: 1505

Ion Ratio Lower Upper

42 100

74 123.4 95.0 142.4

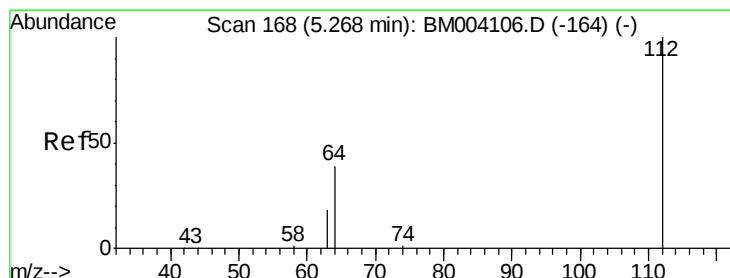
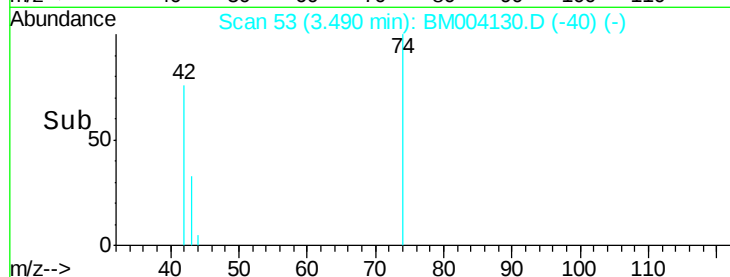
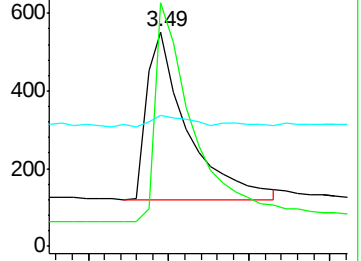
44 6.7 5.1 7.7



Abundance Ion 42.00 (41.70 to 42.70): BM004106.D (-49) (-)

Ion 74.00 (73.70 to 74.70): BM004106.D (-49) (-)

Ion 44.00 (43.70 to 44.70): BM004106.D (-49) (-)



#4

2-Fluorophenol

Concen: 0.91 ng

RT: 5.27 min Scan# 168

Delta R.T. -0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

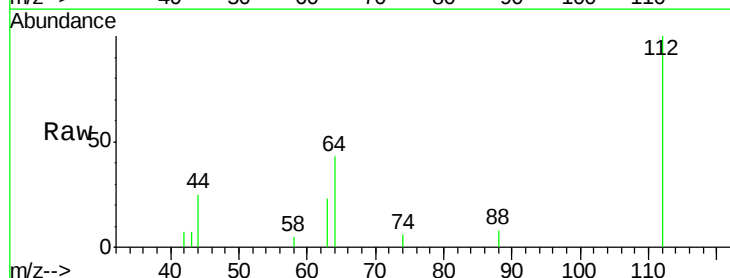
Tgt Ion: 112 Resp: 3580

Ion Ratio Lower Upper

112 100

64 51.9 41.8 62.8

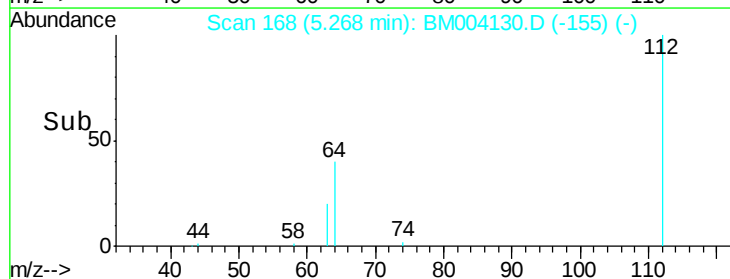
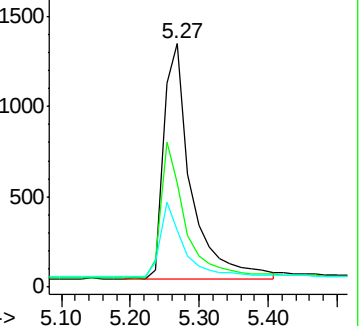
63 27.7 22.1 33.1

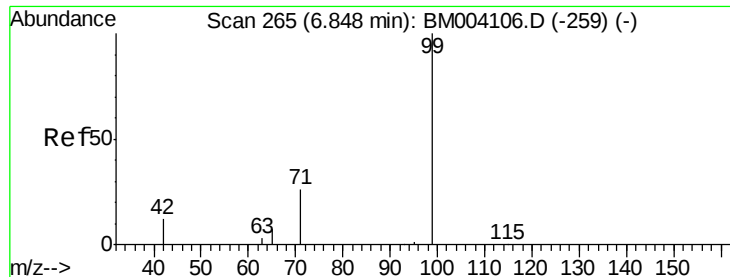


Abundance Ion 112.00 (111.70 to 112.70): BM004106.D (-164) (-)

Ion 64.00 (63.70 to 64.70): BM004106.D (-164) (-)

Ion 63.00 (62.70 to 63.70): BM004106.D (-164) (-)





#5

Phenol-d6

Concen: 0.90 ng

RT: 6.85 min Scan# 265

Delta R.T. -0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

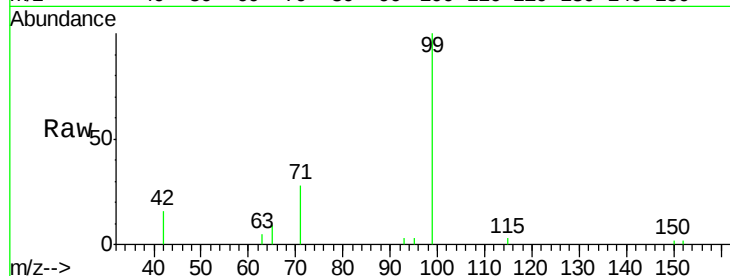
Tgt Ion: 99 Resp: 4286

Ion Ratio Lower Upper

99 100

42 18.9 16.2 24.2

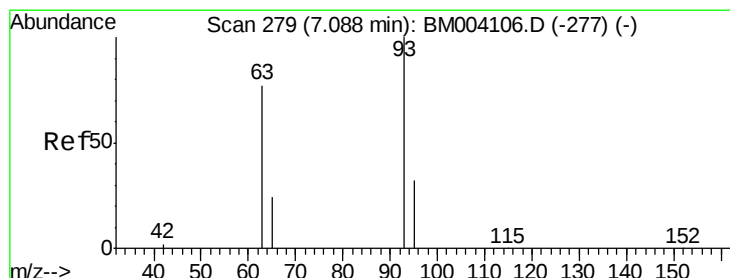
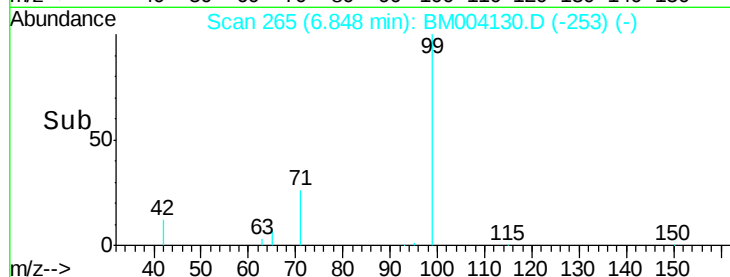
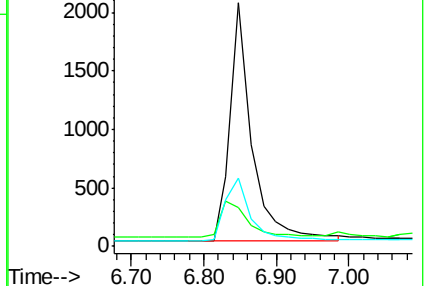
71 30.4 24.4 36.6



Abundance Ion 99.00 (98.70 to 99.70): BM004130.D (-253) (-)

Ion 42.00 (41.70 to 42.70): BM004130.D (-253) (-)

Ion 71.00 (70.70 to 71.70): BM004130.D (-253) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.91 ng

RT: 7.09 min Scan# 279

Delta R.T. -0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

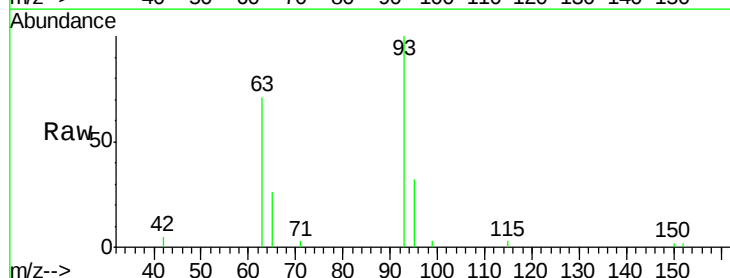
Tgt Ion: 93 Resp: 4035

Ion Ratio Lower Upper

93 100

63 70.4 58.3 87.5

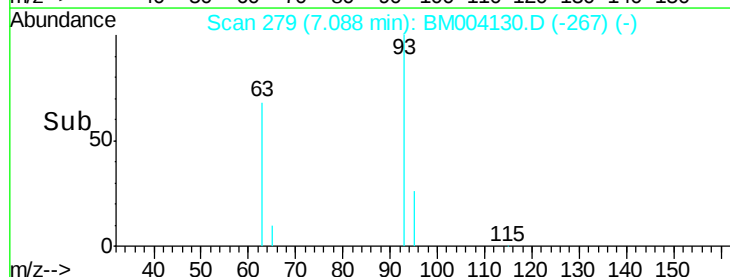
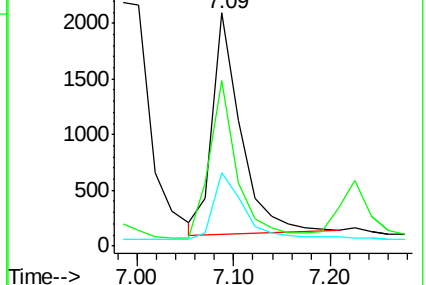
95 33.6 25.8 38.8

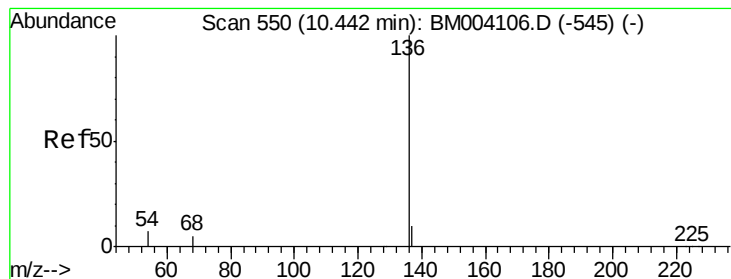


Abundance Ion 93.00 (92.70 to 93.70): BM004130.D (-267) (-)

Ion 63.00 (62.70 to 63.70): BM004130.D (-267) (-)

Ion 95.00 (94.70 to 95.70): BM004130.D (-267) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.44 min Scan# 550

Delta R.T. -0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

Tgt Ion:136 Resp: 83570

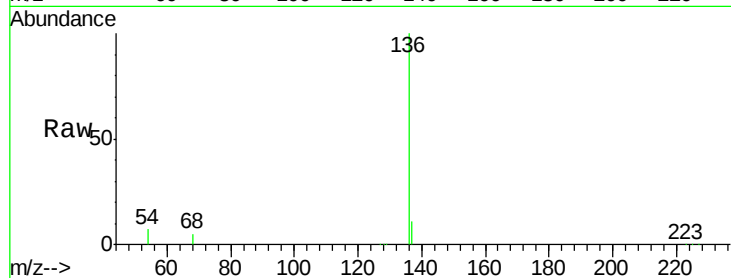
Ion Ratio Lower Upper

136 100

137 10.5 9.2 13.8

54 6.6 2.8 4.2#

68 5.1 2.5 3.7#

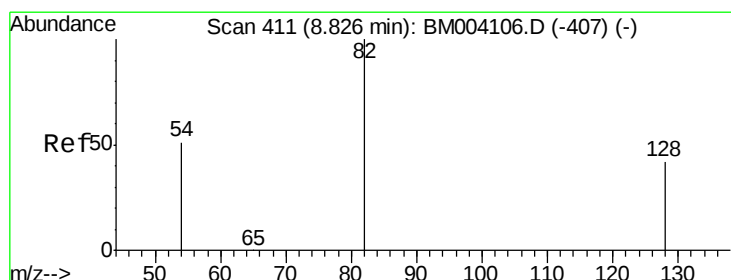
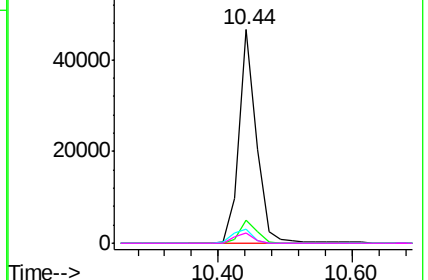
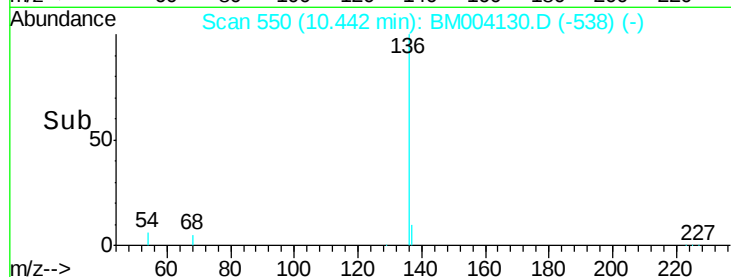


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#8

Nitrobenzene-d5

Concen: 0.92 ng

RT: 8.83 min Scan# 411

Delta R.T. -0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

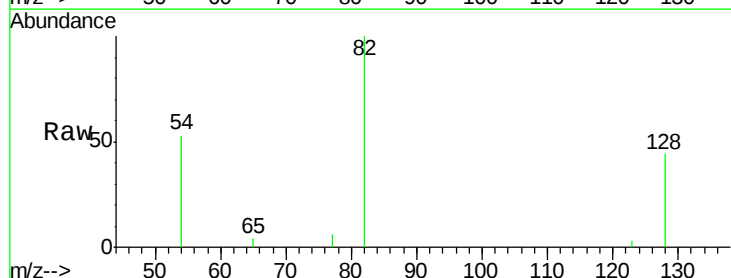
Tgt Ion: 82 Resp: 3360

Ion Ratio Lower Upper

82 100

128 43.5 39.1 58.7

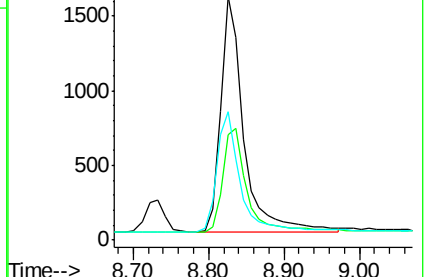
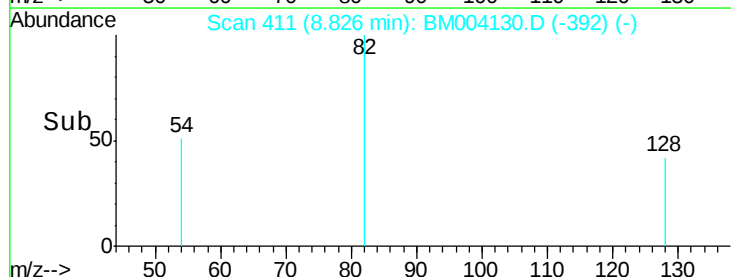
54 52.9 34.8 52.2#

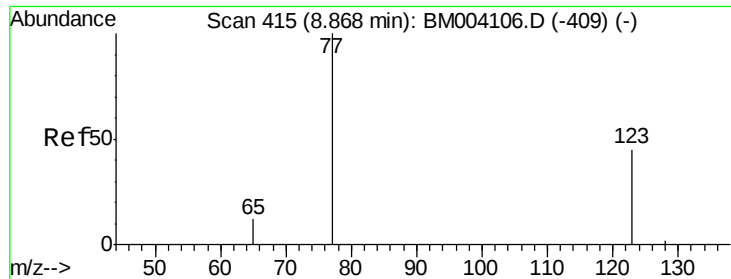


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 0.91 ng

RT: 8.87 min Scan# 415

Delta R.T. 0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

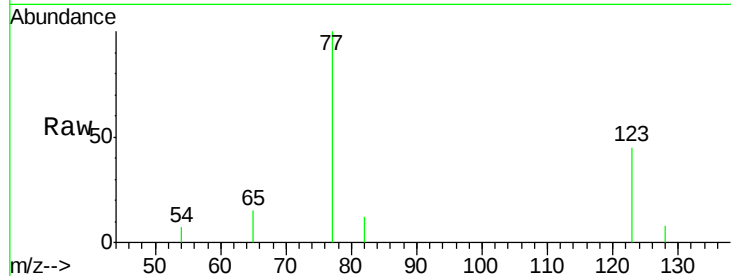
Tgt Ion: 77 Resp: 3799

Ion Ratio Lower Upper

77 100

123 48.5 38.6 57.8

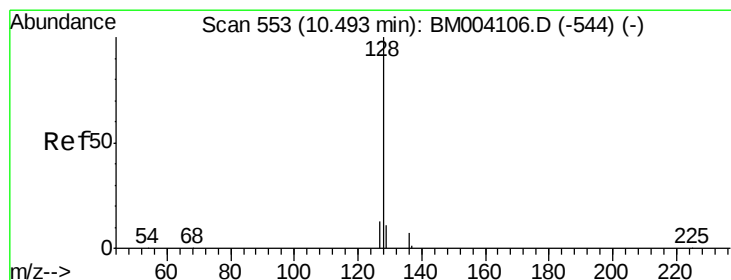
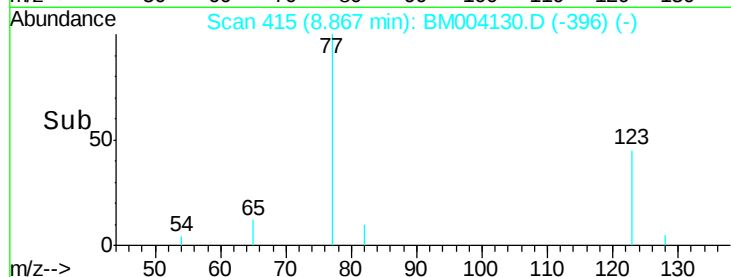
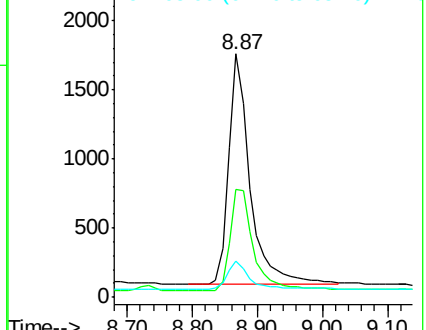
65 12.2 9.9 14.9



Abundance Ion 77.00 (76.70 to 77.70): BM004130.D (-396) (-)

Ion 123.00 (122.70 to 123.70): BM004130.D (-396) (-)

Ion 65.00 (64.70 to 65.70): BM004130.D (-396) (-)



#10

Naphthalene

Concen: 0.91 ng

RT: 10.49 min Scan# 553

Delta R.T. -0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

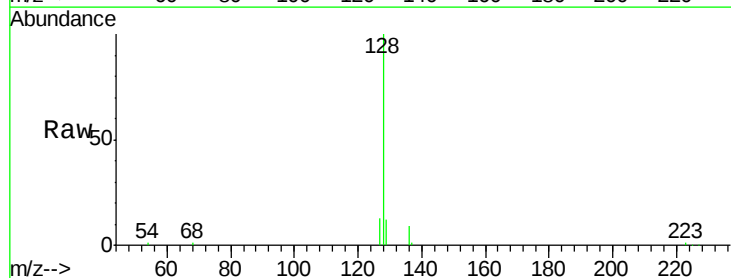
Tgt Ion: 128 Resp: 17815

Ion Ratio Lower Upper

128 100

129 11.6 8.5 12.7

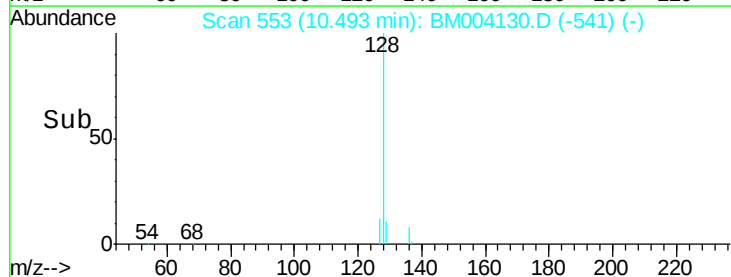
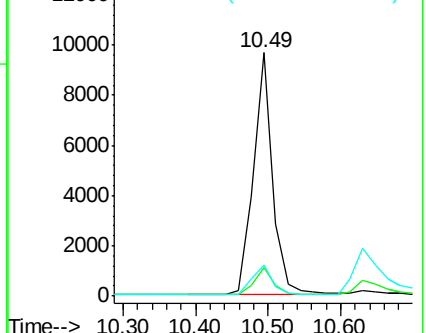
127 12.9 11.0 16.4

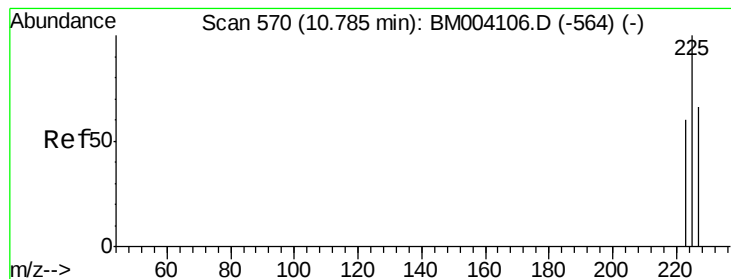


Abundance Ion 128.00 (127.70 to 128.70): BM004130.D (-541) (-)

Ion 129.00 (128.70 to 129.70): BM004130.D (-541) (-)

Ion 127.00 (126.70 to 127.70): BM004130.D (-541) (-)





#11

Hexachlorobutadiene

Concen: 0.91 ng

RT: 10.78 min Scan# 570

Delta R.T. -0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

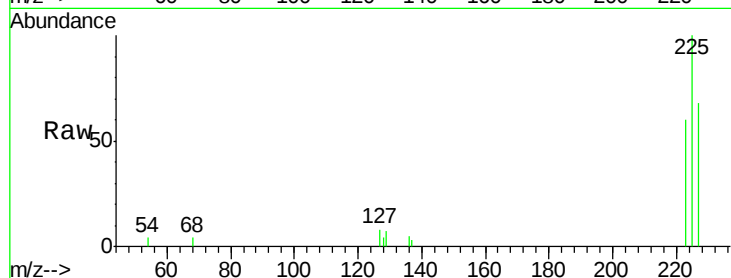
Tgt Ion:225 Resp: 2727

Ion Ratio Lower Upper

225 100

223 63.4 50.9 76.3

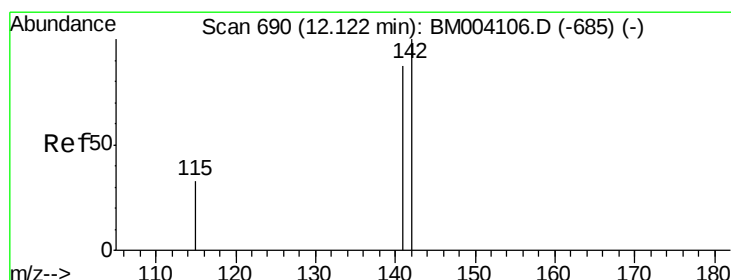
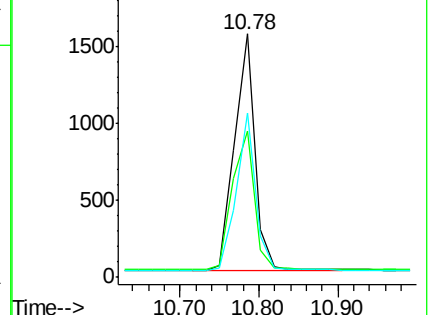
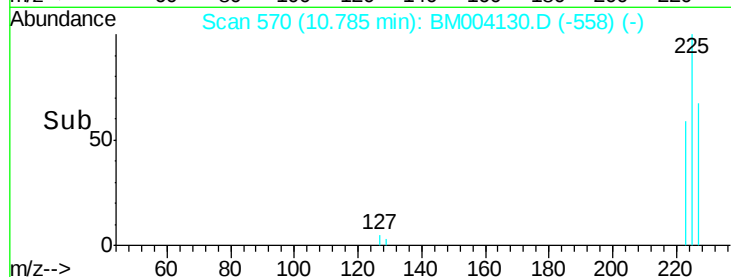
227 63.1 51.2 76.8



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#12

2-Methylnaphthalene

Concen: 0.92 ng

RT: 12.12 min Scan# 690

Delta R.T. -0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

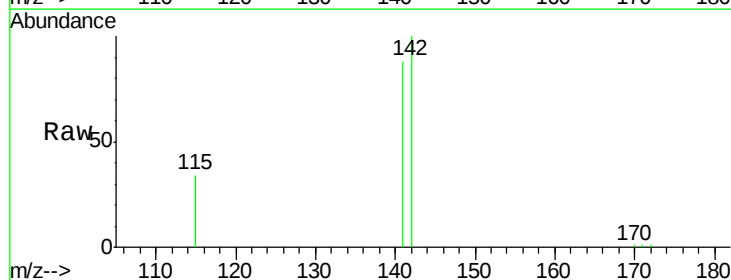
Tgt Ion:142 Resp: 11768

Ion Ratio Lower Upper

142 100

141 88.3 67.8 101.8

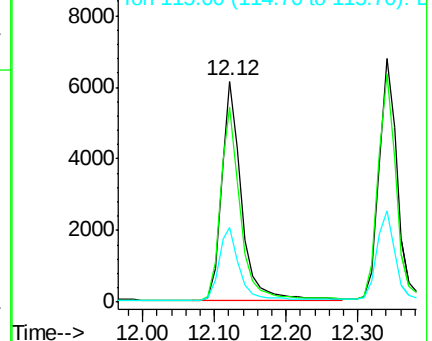
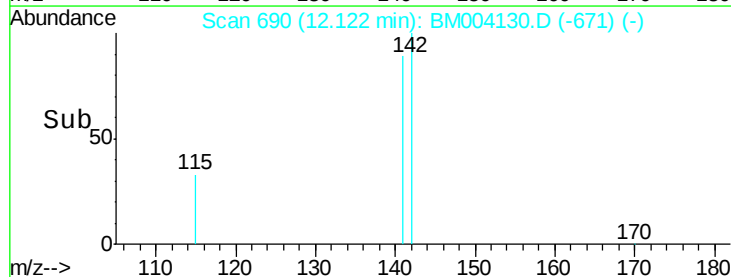
115 33.9 25.3 37.9

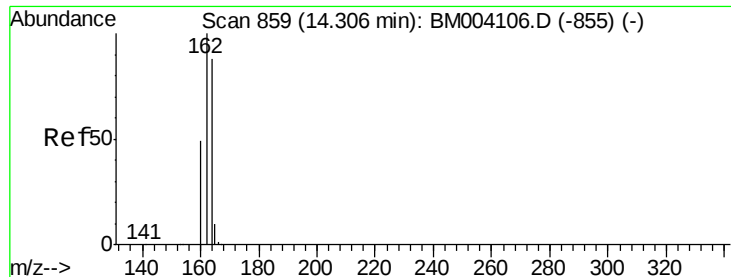


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.31 min Scan# 859

Delta R.T. -0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

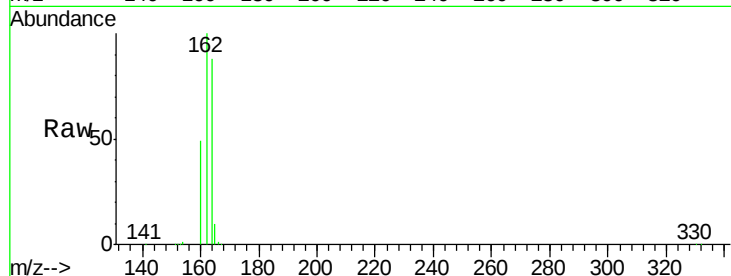
Tgt Ion:164 Resp: 51797

Ion Ratio Lower Upper

164 100

162 113.8 86.0 129.0

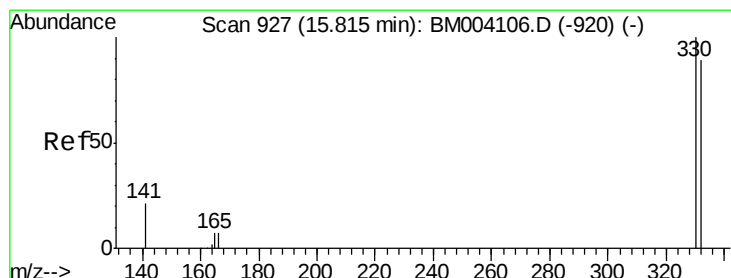
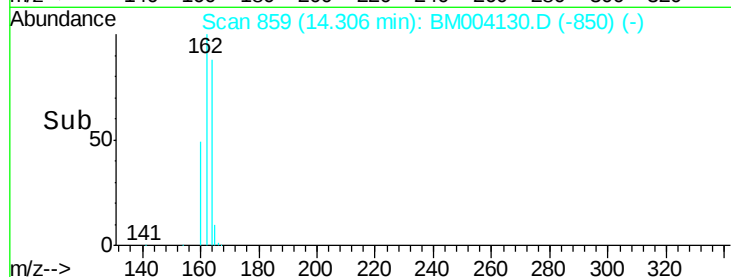
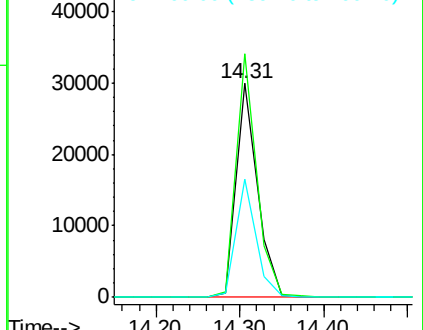
160 55.4 40.3 60.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.90 ng

RT: 15.81 min Scan# 927

Delta R.T. -0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

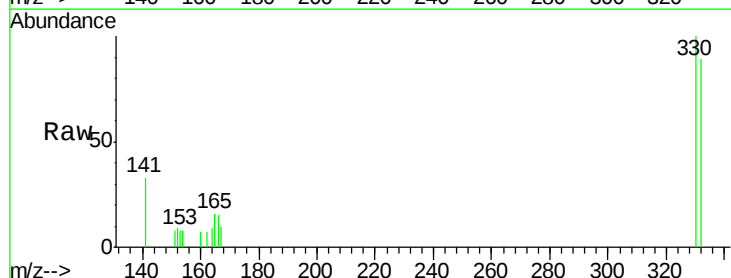
Tgt Ion:330 Resp: 1288

Ion Ratio Lower Upper

330 100

332 95.0 79.0 118.4

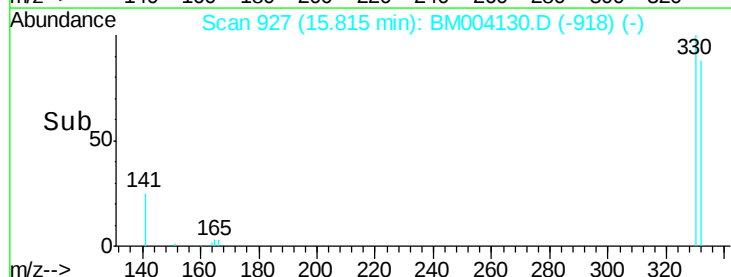
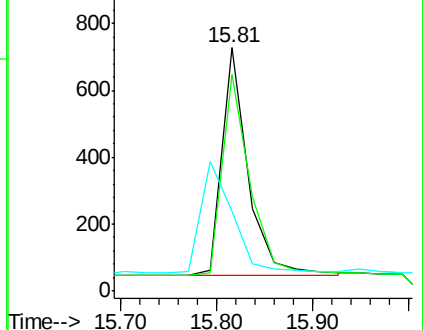
141 0.0 27.8 41.6#

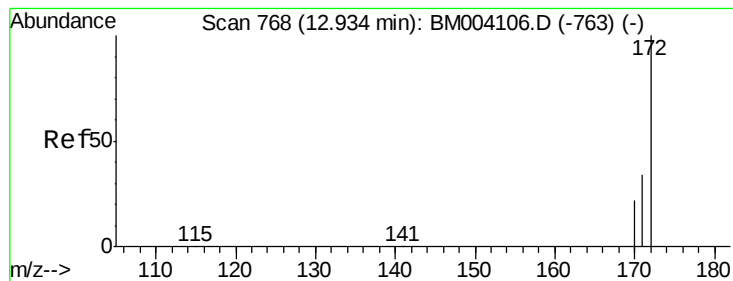


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

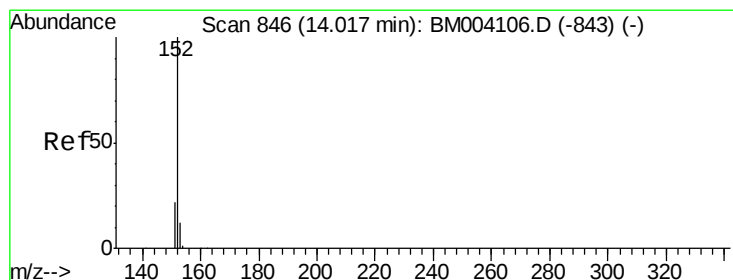
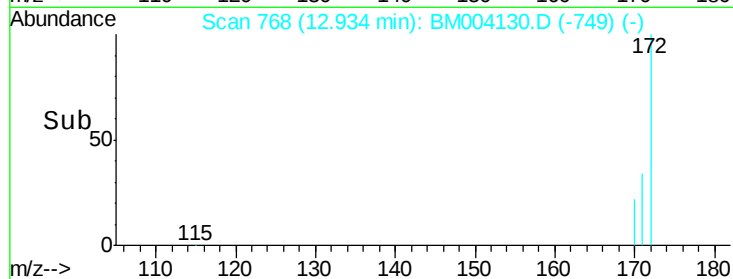
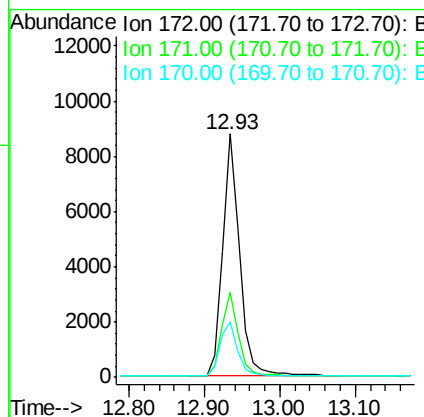
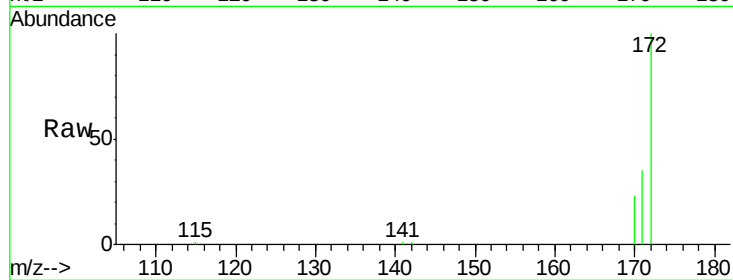




#15
2-Fluorobiphenyl
Concen: 0.88 ng
RT: 12.93 min Scan# 768
Delta R.T. -0.00 min
Lab File: BM004130.D
Acq: 27 Jan 2016 11:03

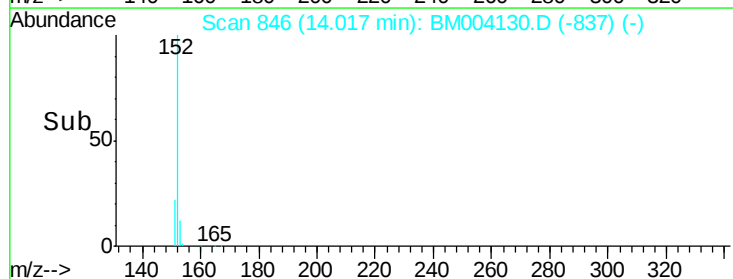
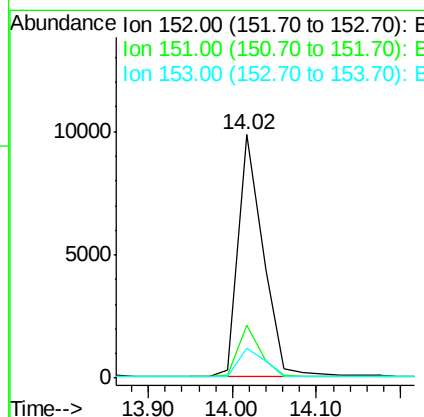
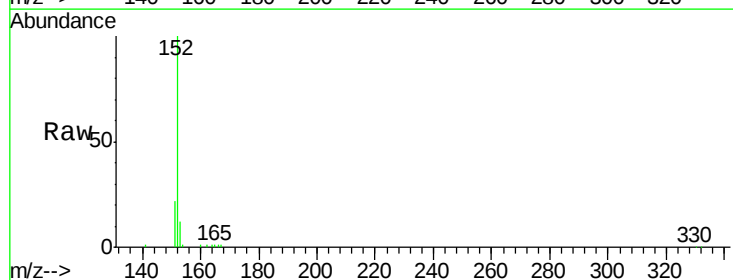
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

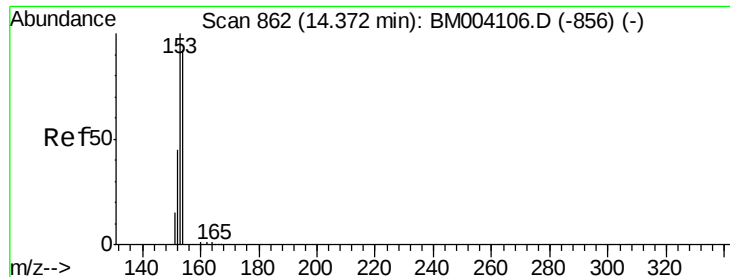
Tgt Ion:172 Resp: 14042
Ion Ratio Lower Upper
172 100
171 34.8 27.0 40.6
170 22.9 17.9 26.9



#16
Acenaphthylene
Concen: 0.89 ng
RT: 14.02 min Scan# 846
Delta R.T. -0.00 min
Lab File: BM004130.D
Acq: 27 Jan 2016 11:03

Tgt Ion:152 Resp: 19996
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.8
153 12.8 10.2 15.4

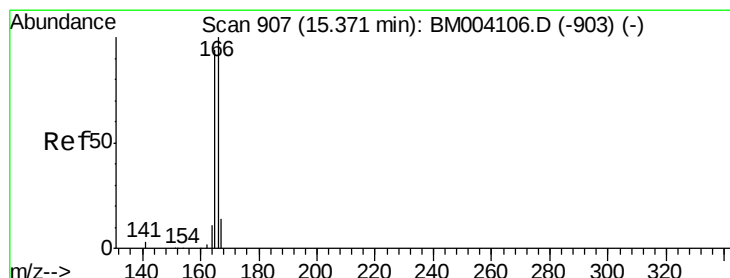
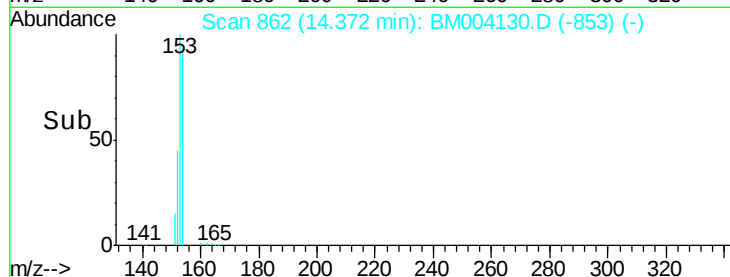
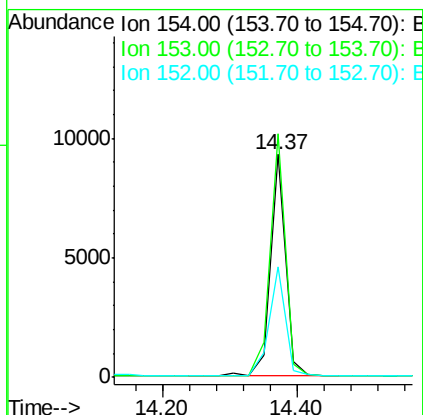
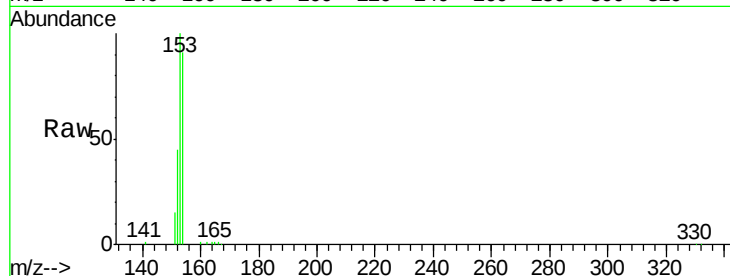




#17
Acenaphthene
Concen: 0.87 ng
RT: 14.37 min Scan# 862
Delta R.T. -0.00 min
Lab File: BM004130.D
Acq: 27 Jan 2016 11:03

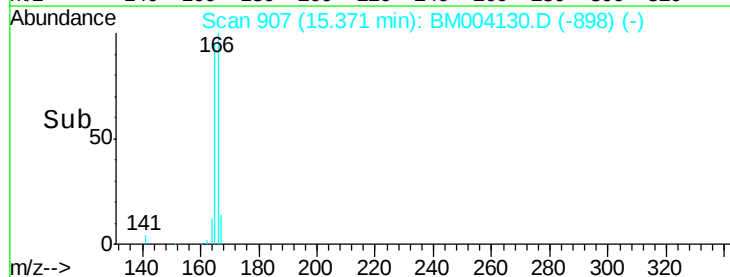
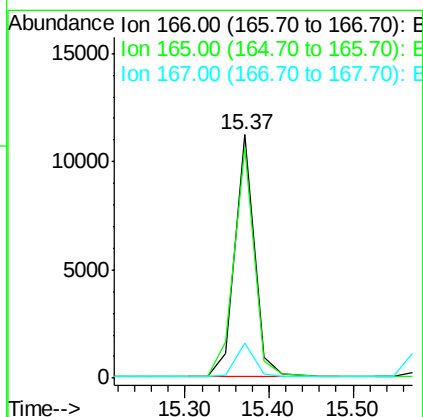
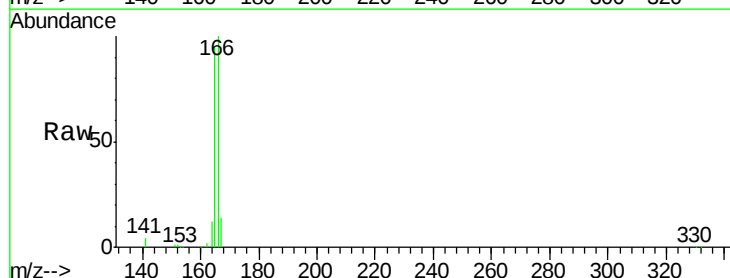
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

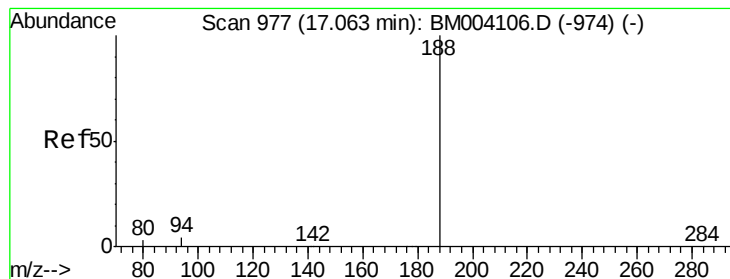
Tgt Ion:154 Resp: 14673
Ion Ratio Lower Upper
154 100
153 110.4 85.4 128.2
152 52.1 40.6 60.8



#18
Fluorene
Concen: 0.87 ng
RT: 15.37 min Scan# 907
Delta R.T. -0.00 min
Lab File: BM004130.D
Acq: 27 Jan 2016 11:03

Tgt Ion:166 Resp: 18007
Ion Ratio Lower Upper
166 100
165 98.0 77.2 115.8
167 13.7 11.0 16.6





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.06 min Scan# 977

Delta R.T. -0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

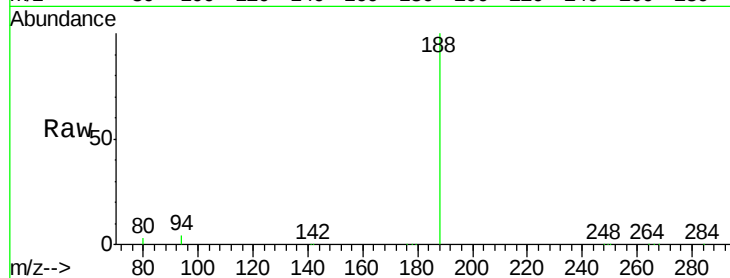
Tgt Ion:188 Resp: 152203

Ion Ratio Lower Upper

188 100

94 3.7 20.3 30.5#

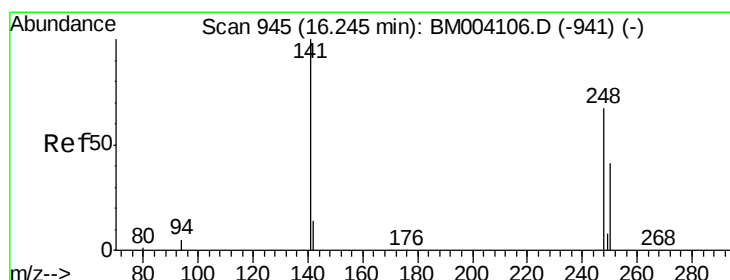
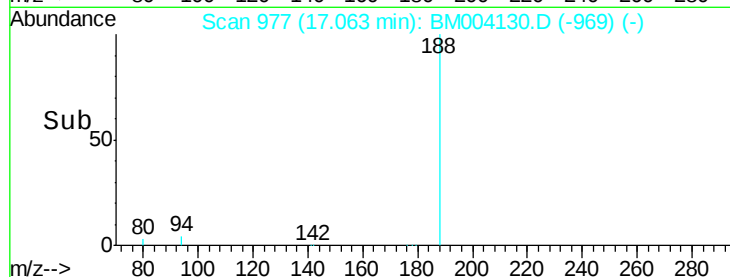
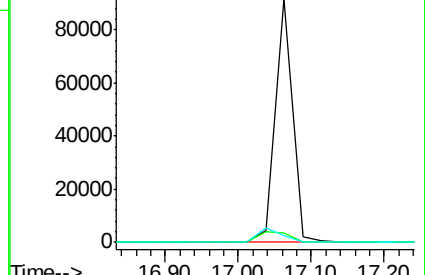
80 3.1 22.2 33.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#20

4-Bromophenyl-phenylether

Concen: 0.90 ng

RT: 16.24 min Scan# 945

Delta R.T. -0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

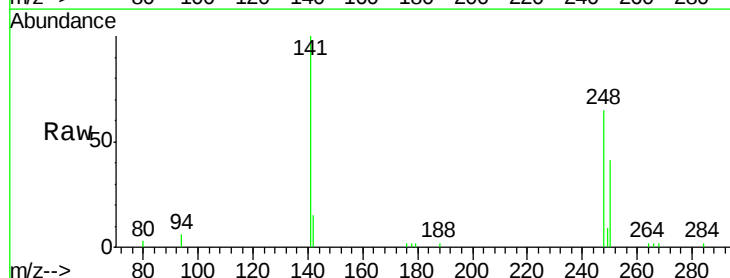
Tgt Ion:248 Resp: 4467

Ion Ratio Lower Upper

248 100

250 0.0 75.0 112.4#

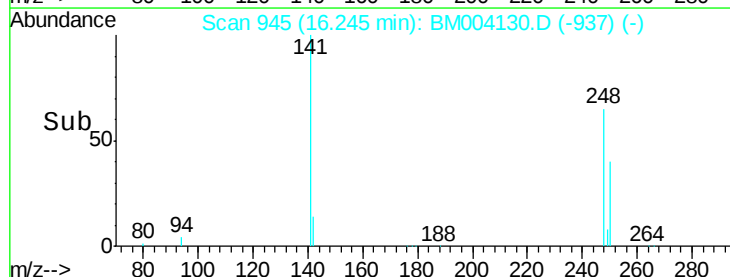
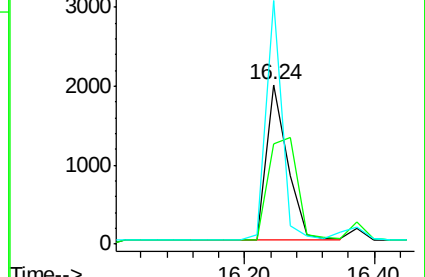
141 114.6 53.0 79.4#

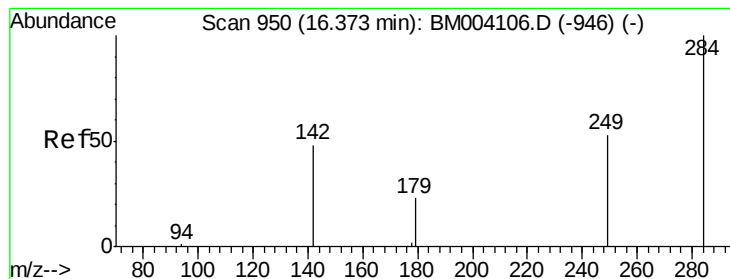


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.91 ng

RT: 16.37 min Scan# 950

Delta R.T. -0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

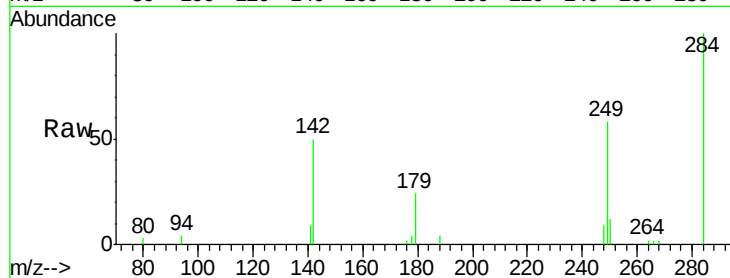
Tgt Ion:284 Resp: 4734

Ion Ratio Lower Upper

284 100

142 48.9 22.2 33.4#

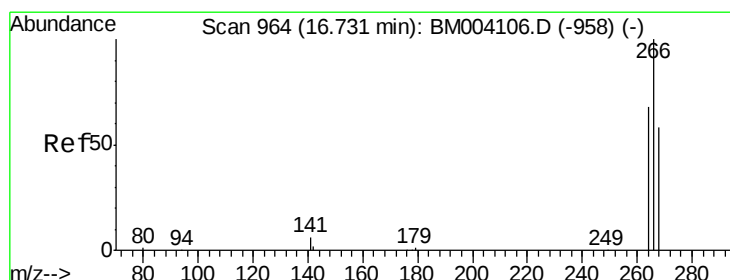
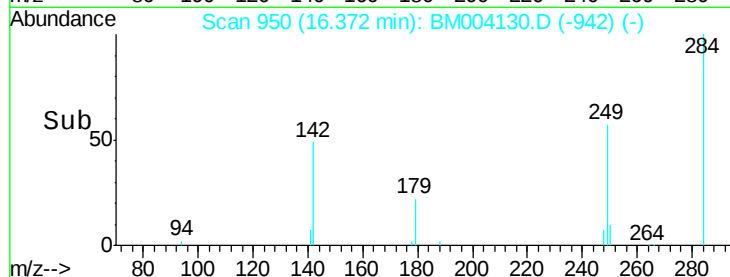
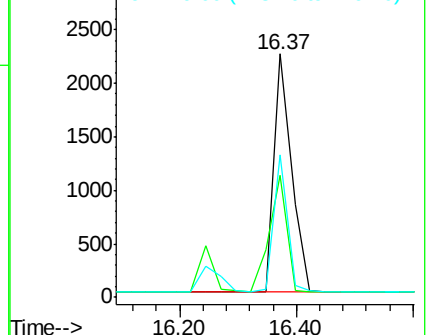
249 44.0 21.5 32.3#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.90 ng

RT: 16.73 min Scan# 964

Delta R.T. 0.00 min

Lab File: BM004130.D

Acq: 27 Jan 2016 11:03

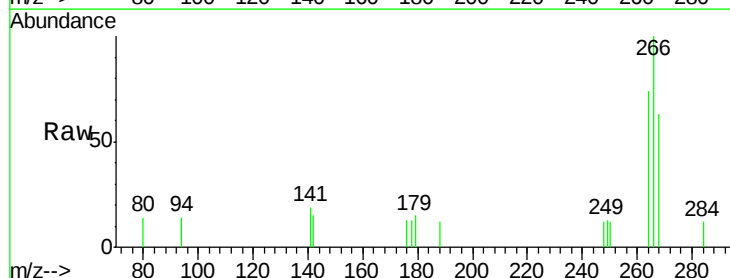
Tgt Ion:266 Resp: 1066

Ion Ratio Lower Upper

266 100

268 63.3 62.7 94.1

264 74.2 45.7 68.5#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

