

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
 Data File : BF084680.D
 Acq On : 30 Jan 2016 12:31
 Operator : SJ/IZ
 Sample : H1273-01
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B009(10-12)

Quant Time: Feb 01 00:26:10 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:54:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	167811	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	692587	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	268784	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	427241	20.00	ng	0.00
75) Chrysene-d12	13.87	240	266768	20.00	ng	0.00
86) Perylene-d12	15.28	264	331367	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1073909	96.60	ng	0.01
7) Phenol-d6	6.37	99	1330405	99.85	ng	0.00
23) Nitrobenzene-d5	7.29	82	848064	68.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	247987	88.03	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1509187	83.46	ng	0.00
78) Terphenyl-d14	12.83	244	911356	77.16	ng	0.00

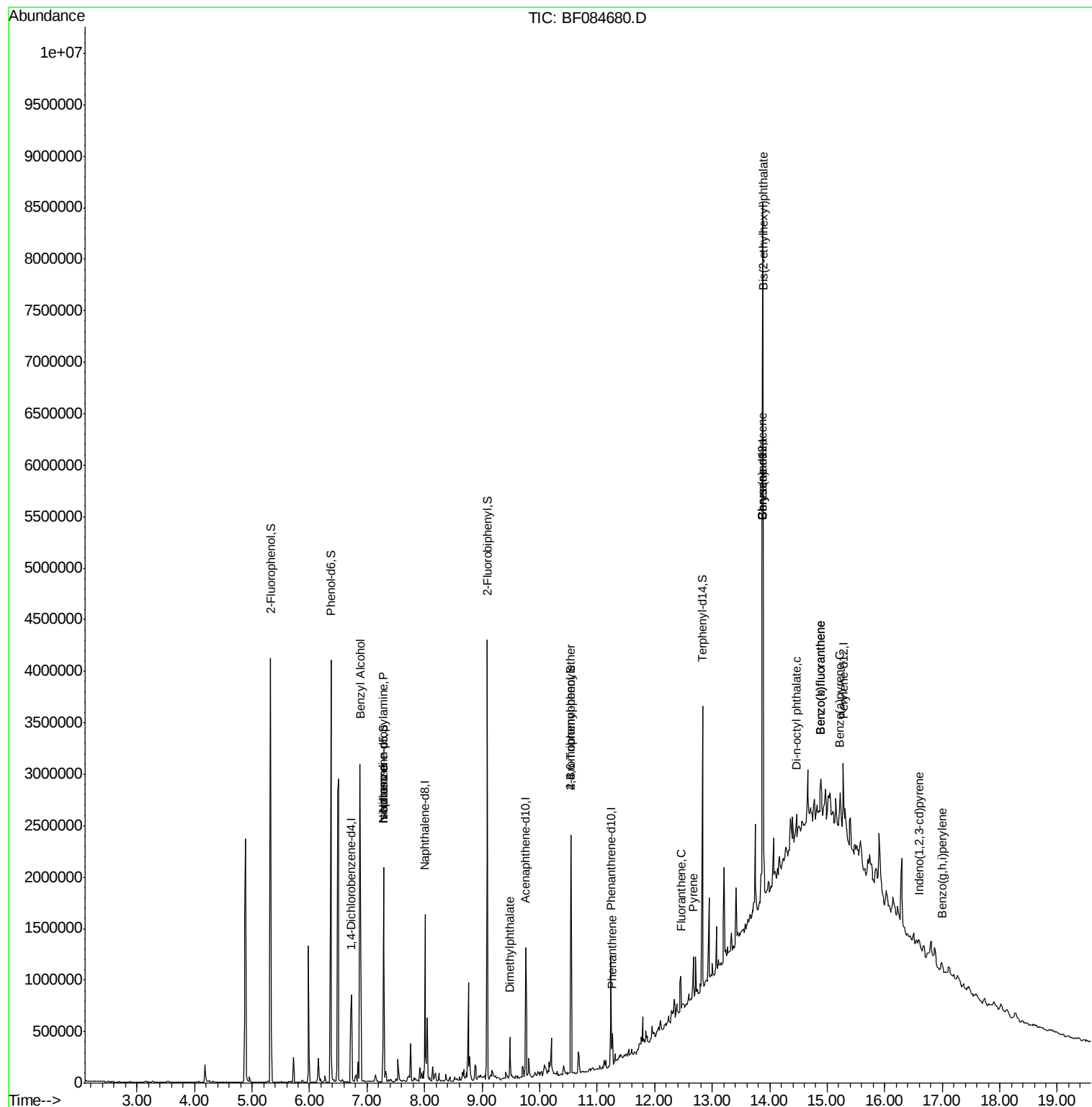
Target Compounds						Qvalue
15) Benzyl Alcohol	6.88	79	51514	5.68	ng	# 78
19) n-Nitroso-di-n-propylamine	7.29	70	116887	14.36	ng	# 70
25) Isophorone	7.29	82	775318	33.39	ng	# 66
49) Dimethylphthalate	9.48	163	152405	7.55	ng	# 90
66) 4-Bromophenyl-phenylether	10.54	248	16002	3.33	ng	# 1
70) Phenanthrene	11.26	178	133648	5.66	ng	99
74) Fluoranthene	12.45	202	187923	8.05	ng	93
77) Pyrene	12.67	202	185255	9.21	ng	96
80) Benzo(a)anthracene	13.87	228	86371	5.19	ng	# 88
82) Chrysene	13.87	228	86371	5.27	ng	92
83) Bis(2-ethylhexyl)phthalate	13.88	149	1942707	174.23	ng	# 95
84) Di-n-octyl phthalate	14.47	149	81174	4.61	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.59	276	57398	3.96	ng	# 92
87) Benzo(b)fluoranthene	14.89	252	131356	6.12	ng	# 67
88) Benzo(k)fluoranthene	14.89	252	130146	7.34	ng	# 69
89) Benzo(a)pyrene	15.22	252	76643	4.13	ng	# 67
91) Benzo(g,h,i)perylene	16.99	276	59333	3.51	ng	# 89

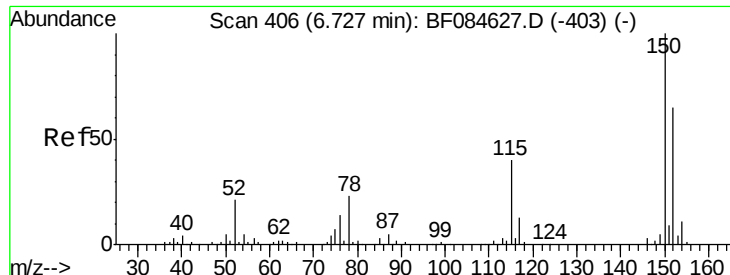
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

Instrument :

BNA_F

ClientSampleId :

SUP-B009(10-12)

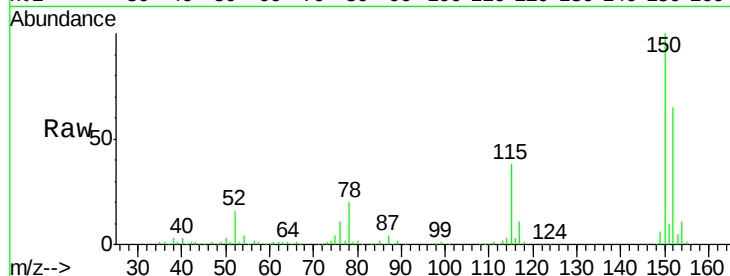
Tgt Ion:152 Resp: 167811

Ion Ratio Lower Upper

152 100

150 153.6 123.0 184.4

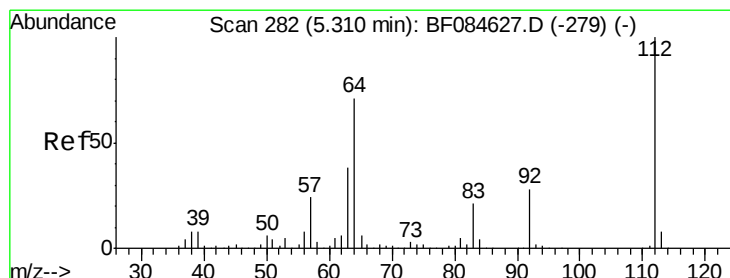
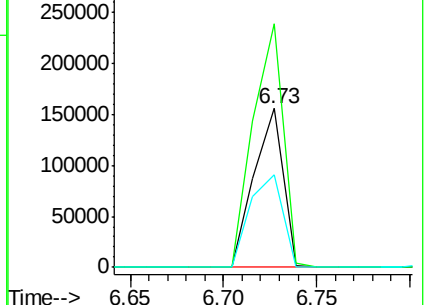
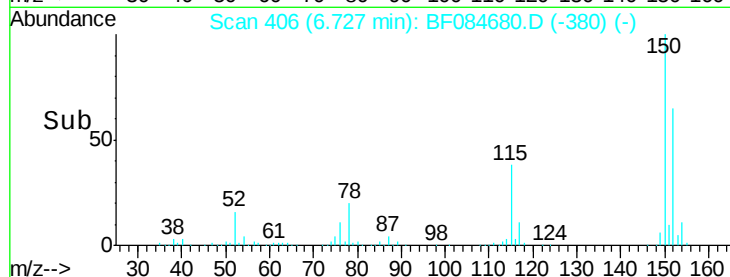
115 58.3 51.4 77.2



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



#5

2-Fluorophenol

Concen: 96.60 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

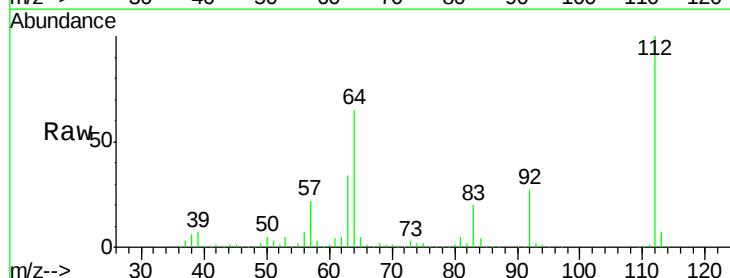
Tgt Ion:112 Resp: 1073909

Ion Ratio Lower Upper

112 100

64 64.9 36.6 55.0#

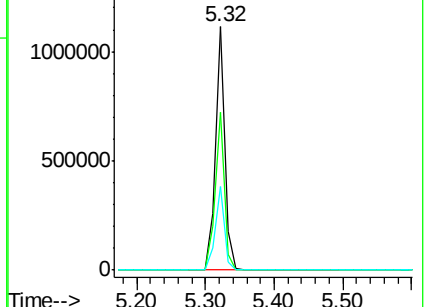
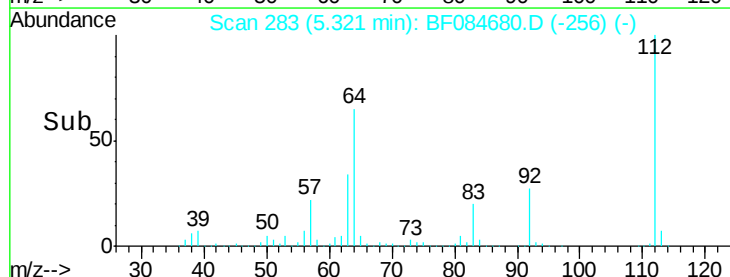
63 34.2 19.4 29.0#

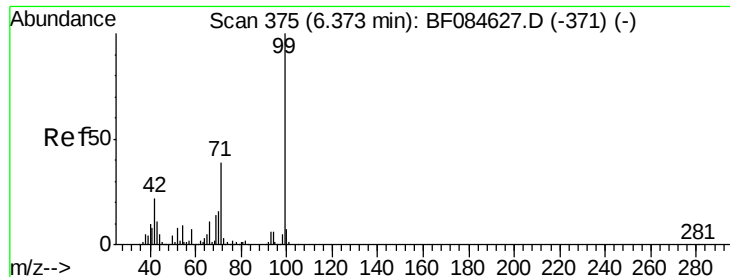


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.85 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

Instrument :

BNA_F

ClientSampleId :

SUP-B009(10-12)

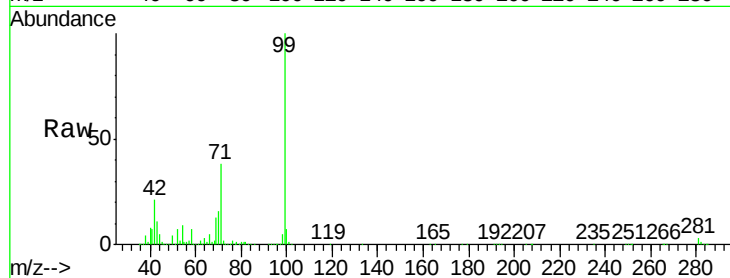
Tgt Ion: 99 Resp: 1330405

Ion Ratio Lower Upper

99 100

42 20.8 12.8 19.2#

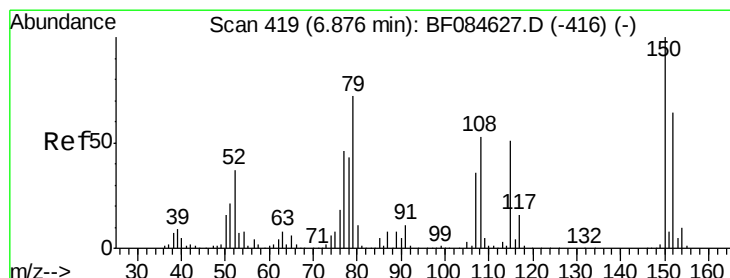
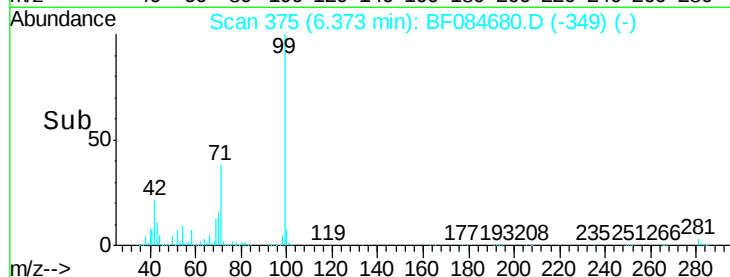
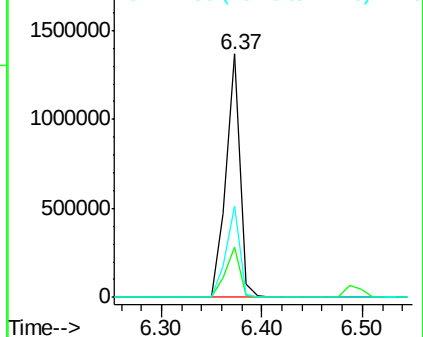
71 37.5 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 5.68 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

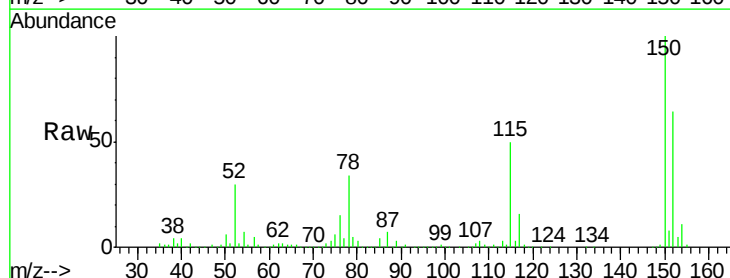
Tgt Ion: 79 Resp: 51514

Ion Ratio Lower Upper

79 100

108 58.1 69.0 103.4#

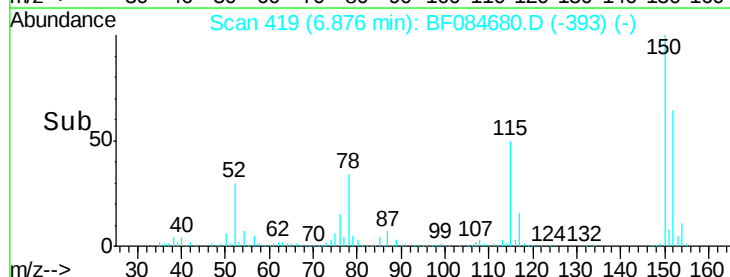
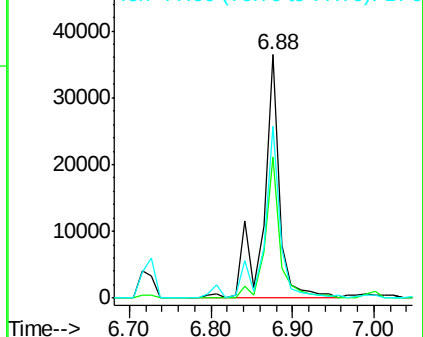
77 70.5 50.0 75.0

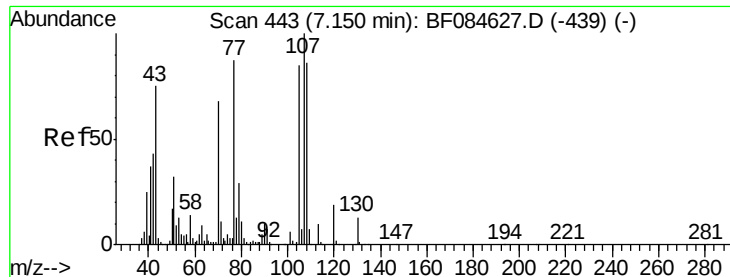


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

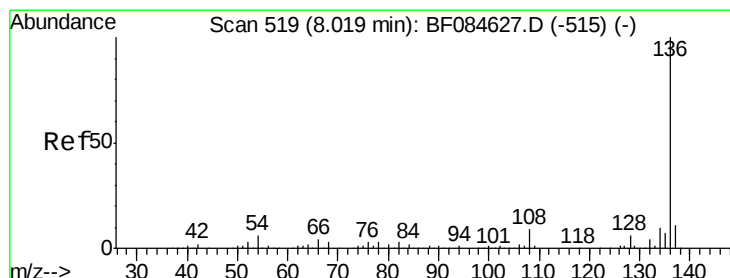
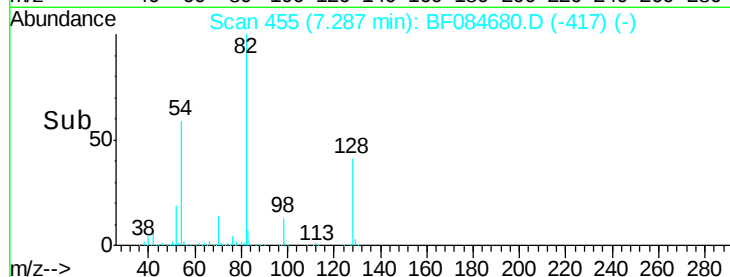
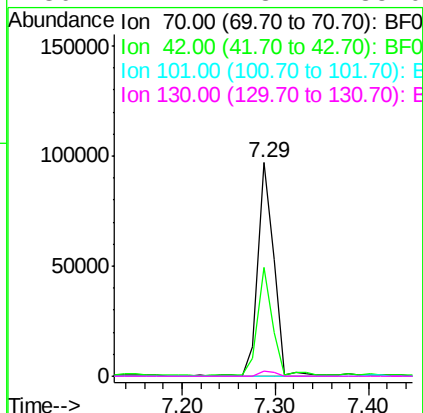
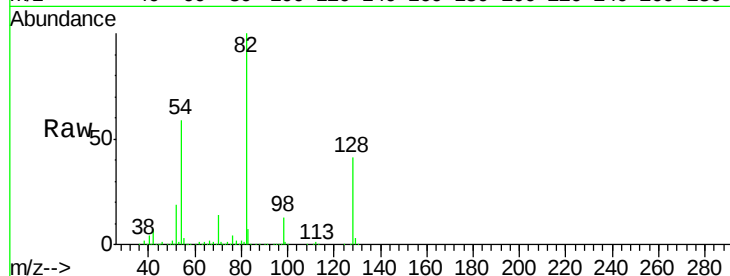




#19
n-Nitroso-di-n-propylamine
Concen: 14.36 ng
RT: 7.29 min Scan# 455
Delta R.T. 0.14 min
Lab File: BF084680.D
Acq: 30 Jan 2016 12:31

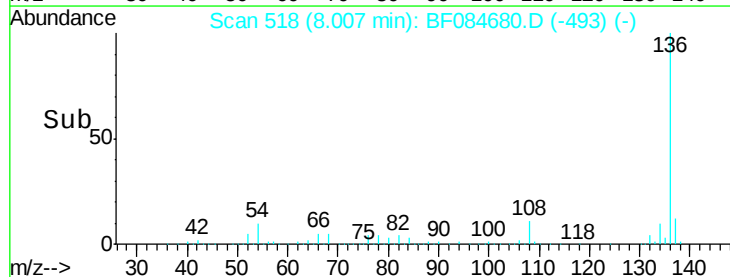
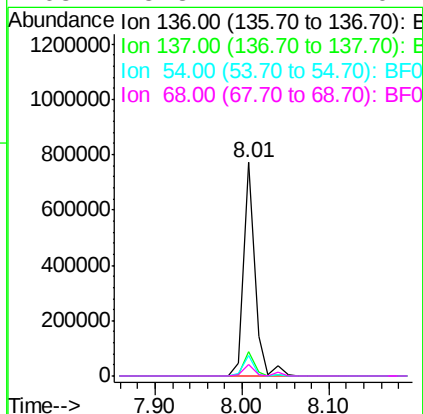
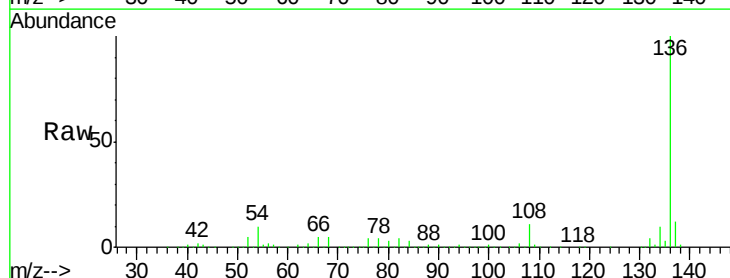
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SUP-B009(10-12)

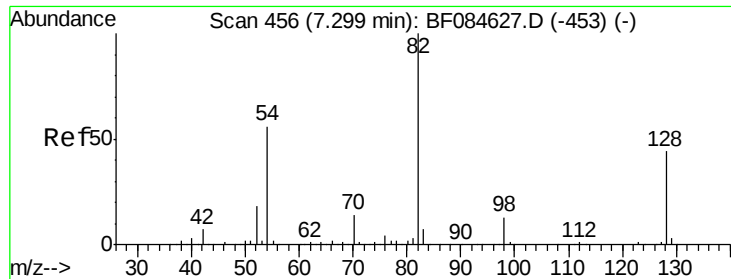
Tgt Ion: 70 Resp: 116887
Ion Ratio Lower Upper
70 100
42 51.1 33.3 49.9#
101 0.0 9.3 13.9#
130 2.4 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF084680.D
Acq: 30 Jan 2016 12:31

Tgt Ion: 136 Resp: 692587
Ion Ratio Lower Upper
136 100
137 11.6 8.7 13.1
54 9.6 5.8 8.8#
68 5.3 4.2 6.2

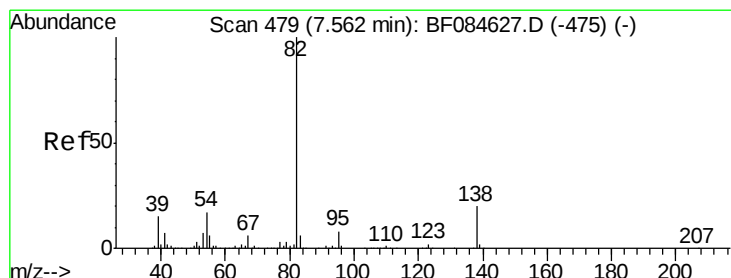
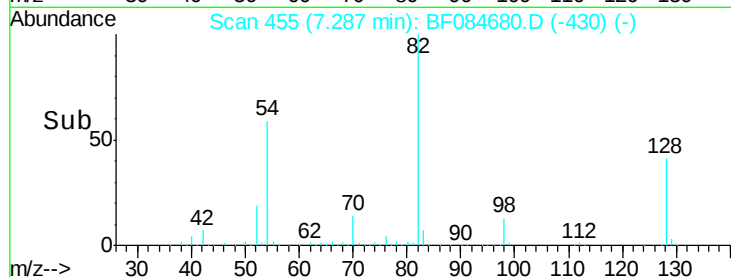
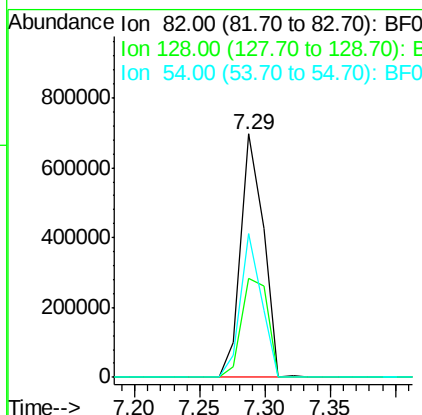
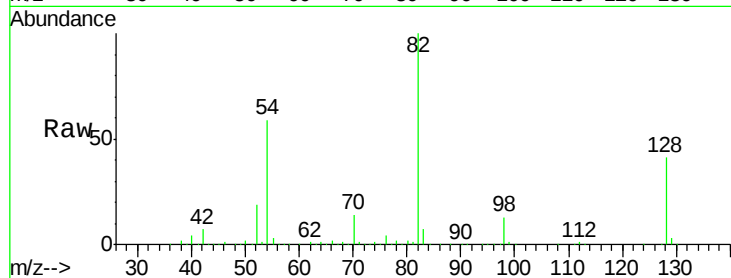




#23
 Nitrobenzene-d5
 Concen: 68.43 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: BF084680.D
 Acq: 30 Jan 2016 12:31

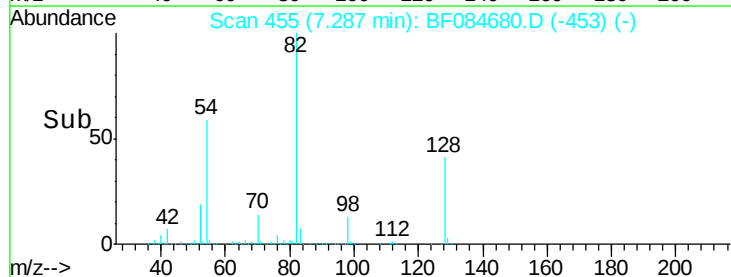
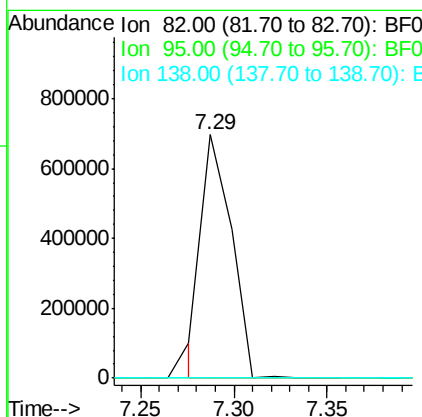
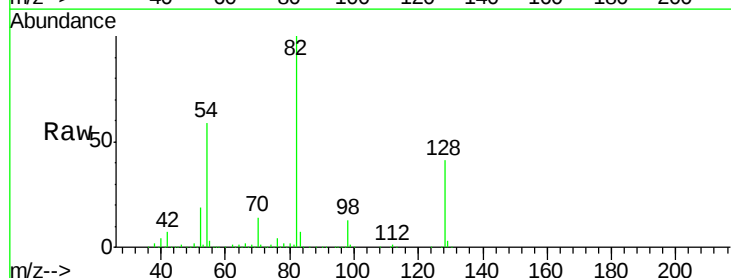
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B009(10-12)

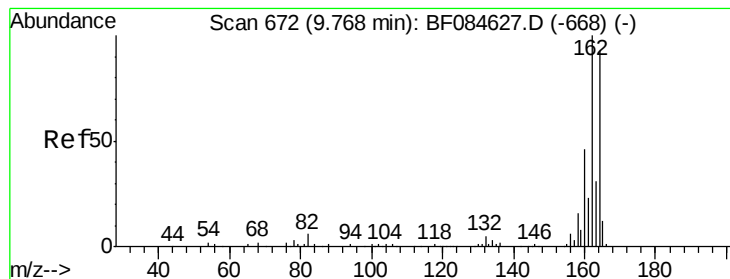
Tgt Ion: 82 Resp: 848064
 Ion Ratio Lower Upper
 82 100
 128 40.7 34.6 51.8
 54 59.1 38.4 57.6#



#25
 Isophorone
 Concen: 33.39 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.27 min
 Lab File: BF084680.D
 Acq: 30 Jan 2016 12:31

Tgt Ion: 82 Resp: 775318
 Ion Ratio Lower Upper
 82 100
 95 0.1 6.6 10.0#
 138 0.0 13.6 20.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

Instrument :

BNA_F

ClientSampleId :

SUP-B009(10-12)

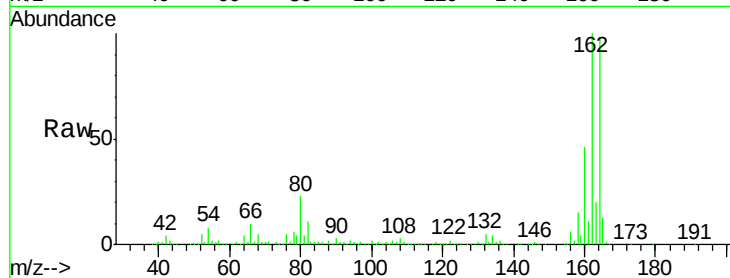
Tgt Ion:164 Resp: 268784

Ion Ratio Lower Upper

164 100

162 102.4 85.1 127.7

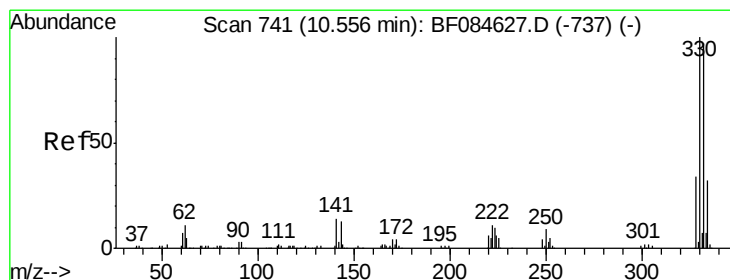
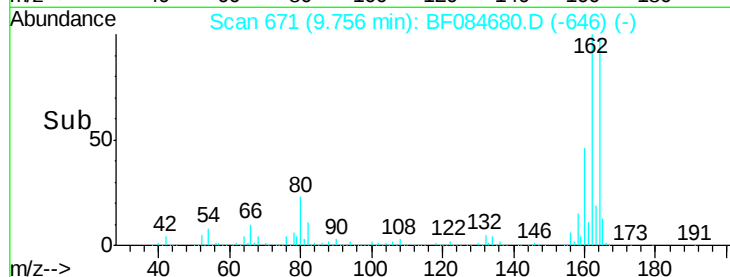
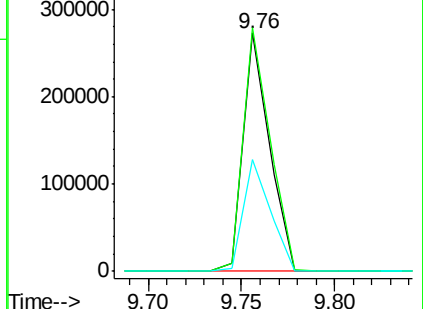
160 46.9 37.5 56.3



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



#41

2,4,6-Tribromophenol

Concen: 88.03 ng

RT: 10.54 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

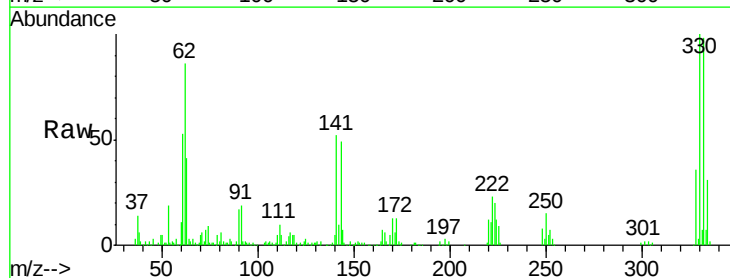
Tgt Ion:330 Resp: 247987

Ion Ratio Lower Upper

330 100

332 98.4 76.6 114.8

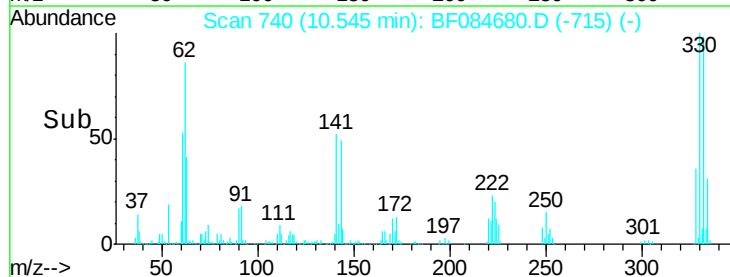
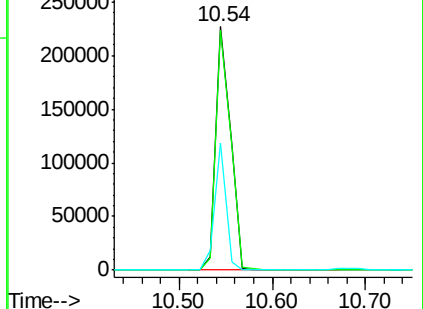
141 40.5 27.8 41.6

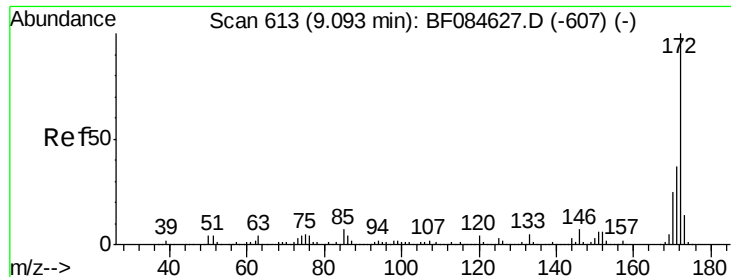


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

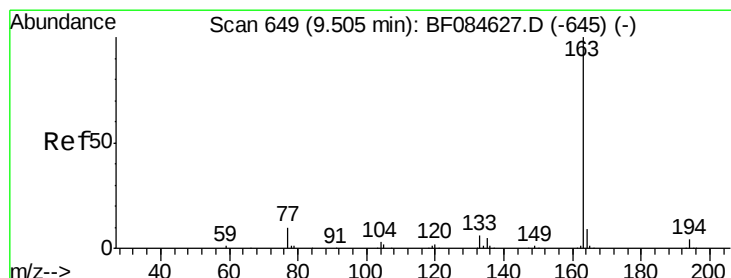
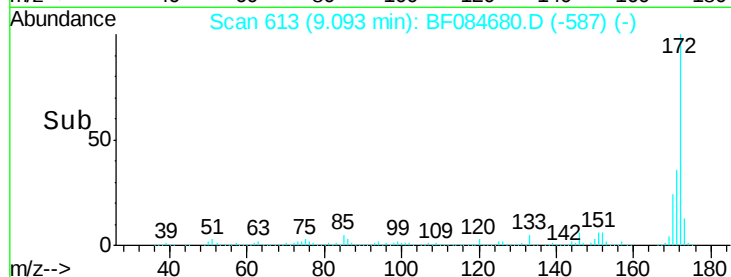
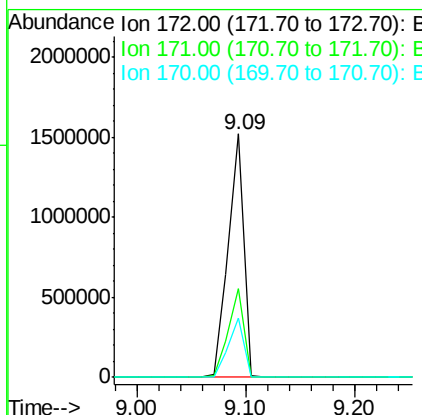
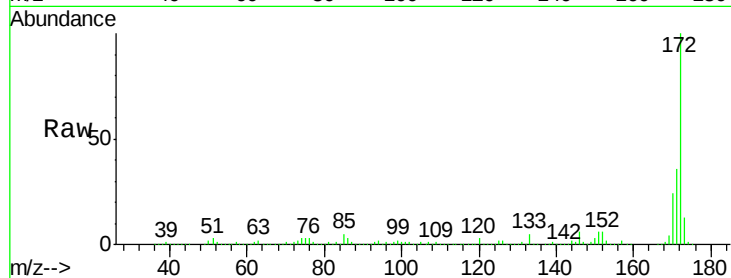




#44
 2-Fluorobiphenyl
 Concen: 83.46 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084680.D
 Acq: 30 Jan 2016 12:31

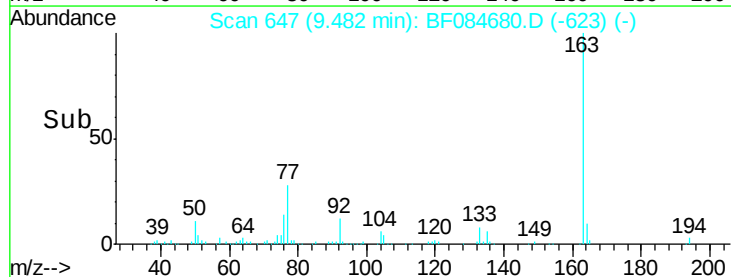
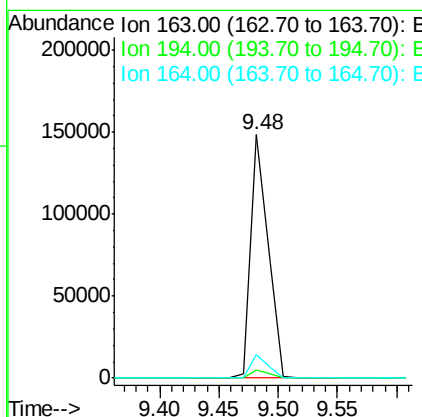
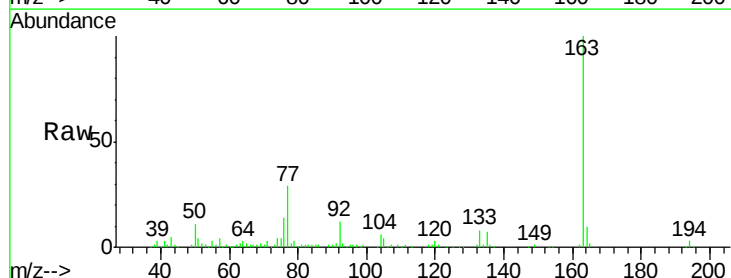
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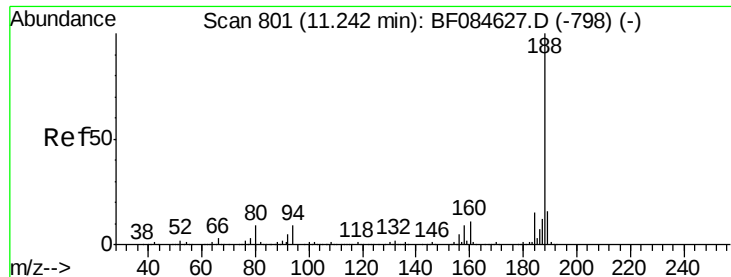
Tgt Ion:172 Resp: 1509187
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.9 43.3
 170 24.4 18.6 27.8



#49
 Dimethylphthalate
 Concen: 7.55 ng
 RT: 9.48 min Scan# 647
 Delta R.T. -0.02 min
 Lab File: BF084680.D
 Acq: 30 Jan 2016 12:31

Tgt Ion:163 Resp: 152405
 Ion Ratio Lower Upper
 163 100
 194 3.1 8.0 12.0#
 164 9.8 8.0 12.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.00 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

Instrument :

BNA_F

ClientSampleId :

SUP-B009(10-12)

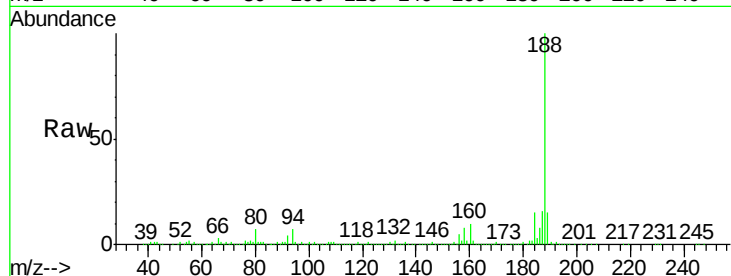
Tgt Ion:188 Resp: 427241

Ion Ratio Lower Upper

188 100

94 7.0 9.0 13.4#

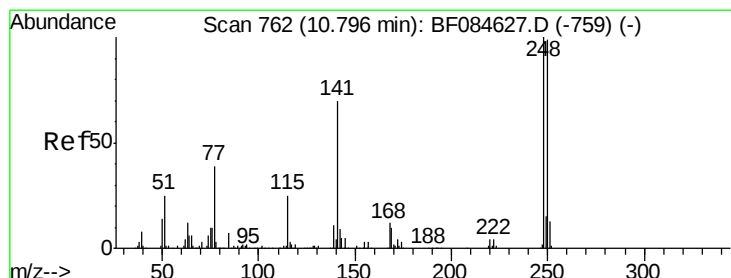
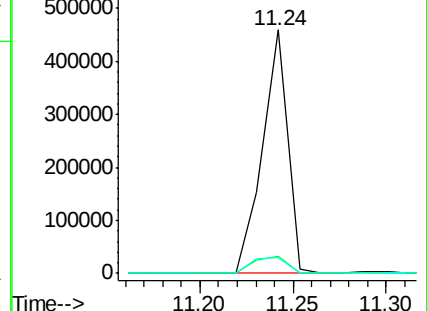
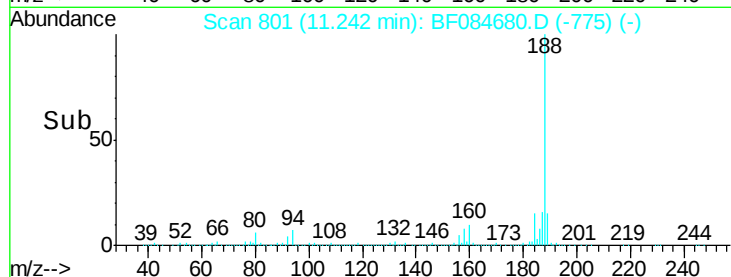
80 6.6 9.6 14.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 3.33 ng

RT: 10.54 min Scan# 740

Delta R.T. -0.25 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

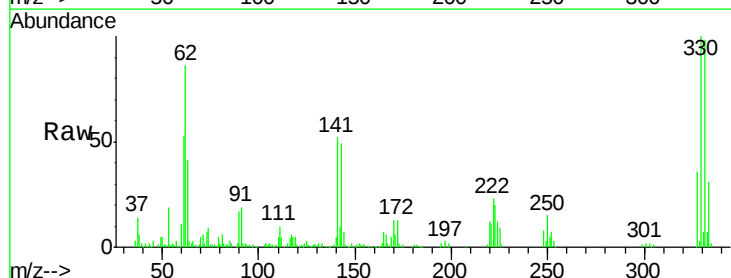
Tgt Ion:248 Resp: 16002

Ion Ratio Lower Upper

248 100

250 185.6 78.4 117.6#

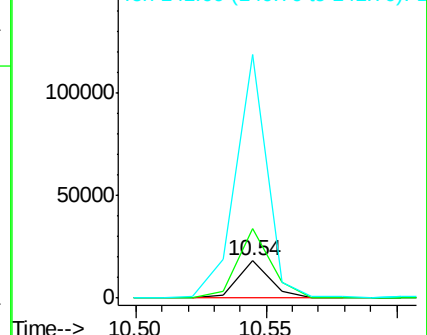
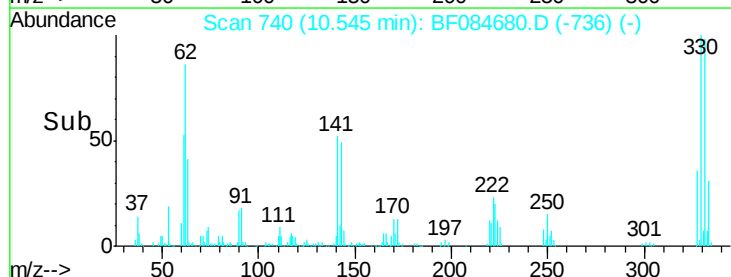
141 650.2 44.0 66.0#

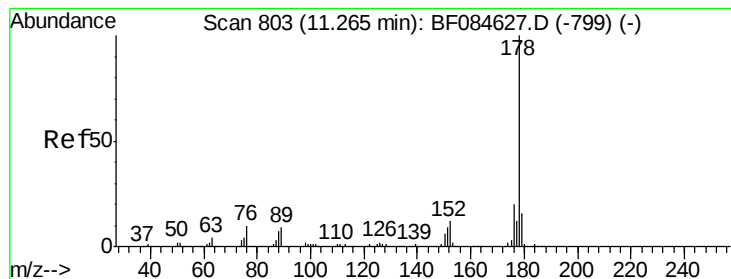


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 5.66 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

Instrument :

BNA_F

ClientSampleId :

SUP-B009(10-12)

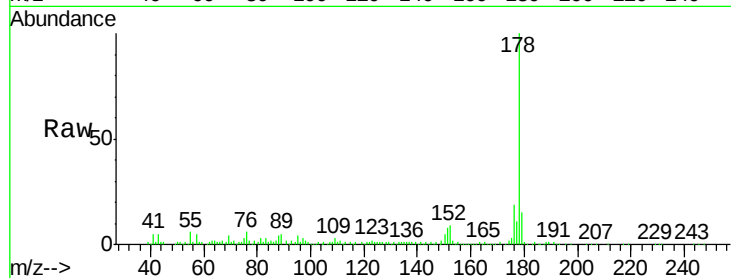
Tgt Ion:178 Resp: 133648

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

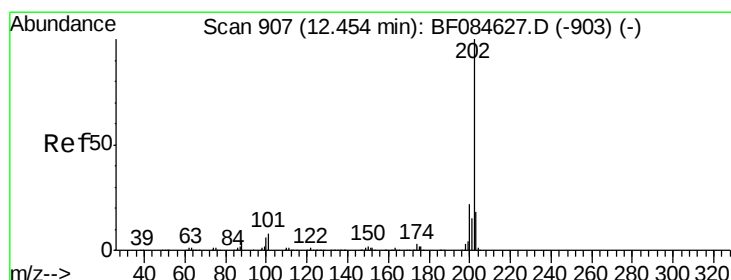
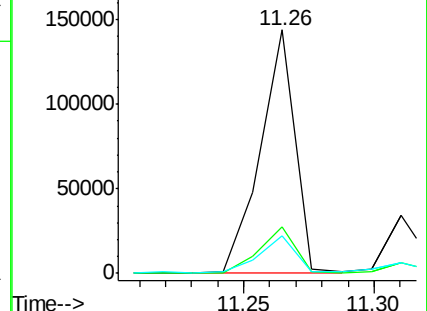
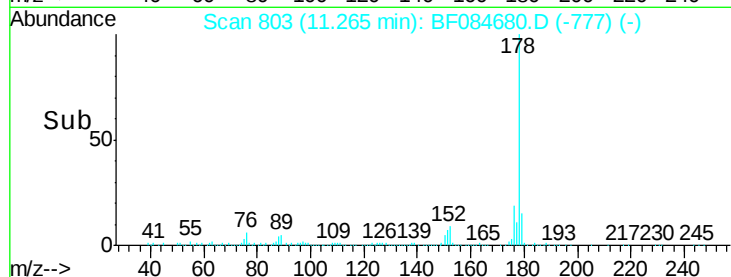
179 15.4 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 8.05 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

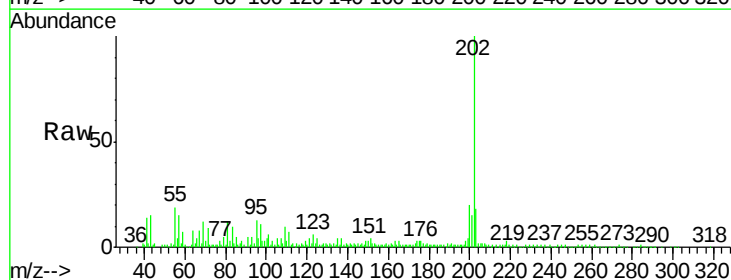
Tgt Ion:202 Resp: 187923

Ion Ratio Lower Upper

202 100

101 6.4 0.0 32.8

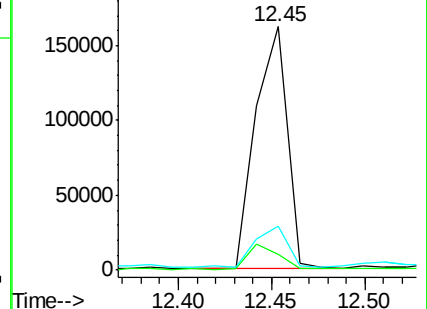
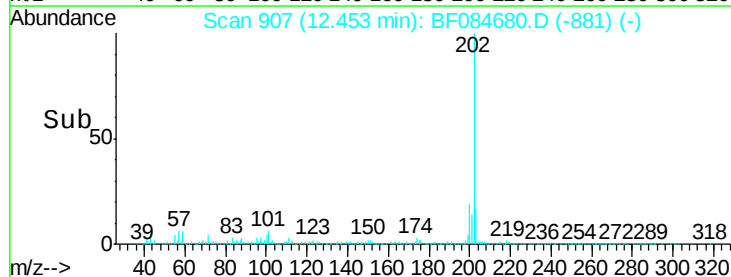
203 18.0 0.0 37.9

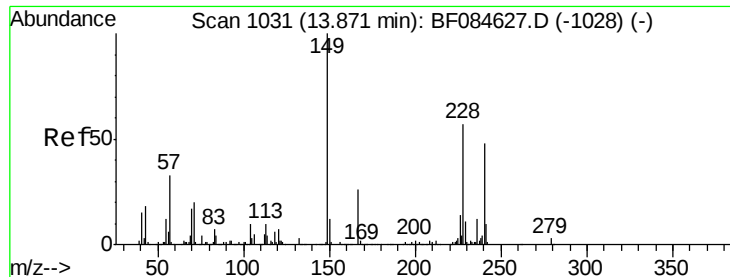


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

Instrument :

BNA_F

ClientSampleId :

SUP-B009(10-12)

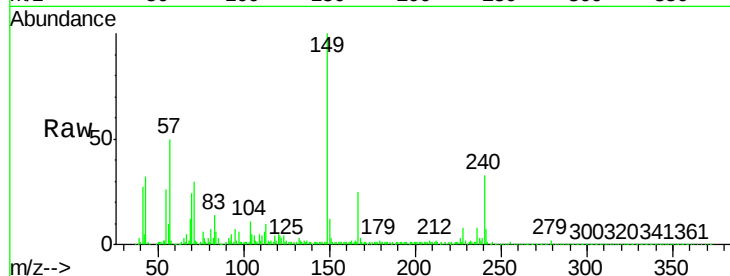
Tgt Ion:240 Resp: 266768

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

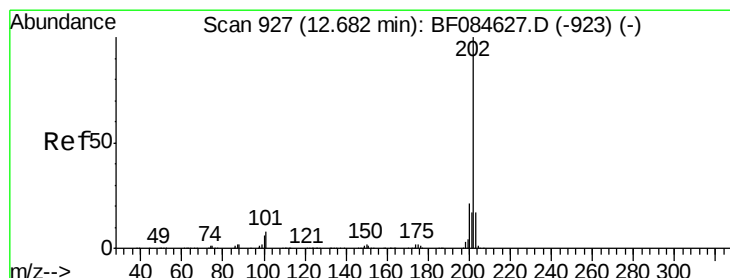
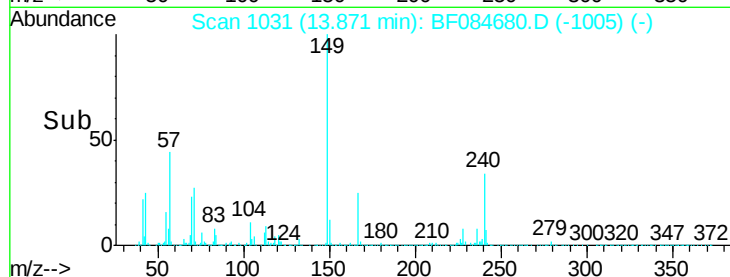
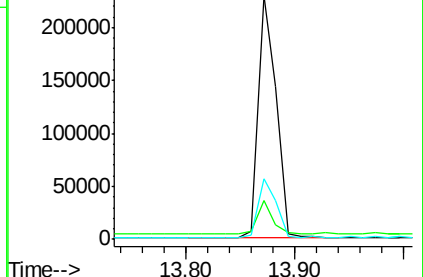
236 25.1 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 9.21 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

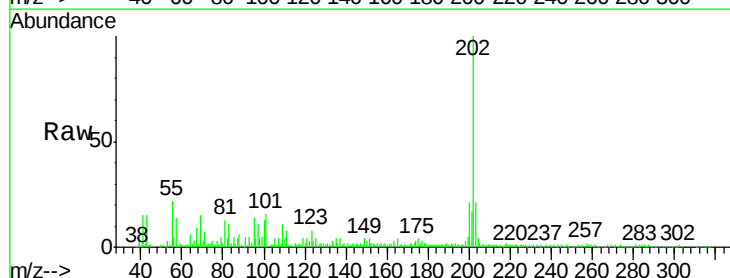
Tgt Ion:202 Resp: 185255

Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

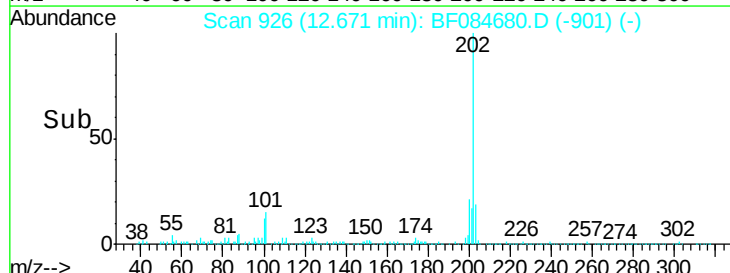
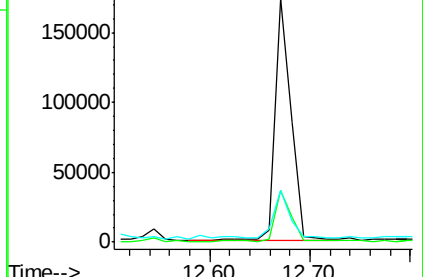
203 21.2 14.3 21.5

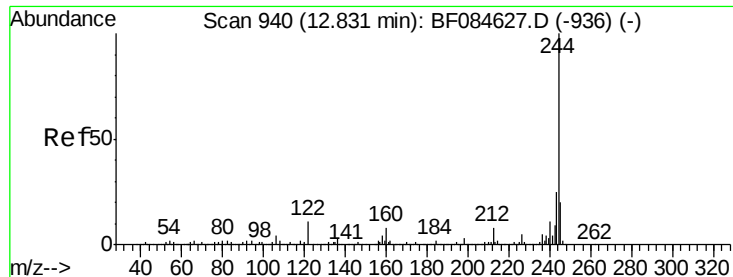


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 77.16 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

Instrument :

BNA_F

ClientSampleId :

SUP-B009(10-12)

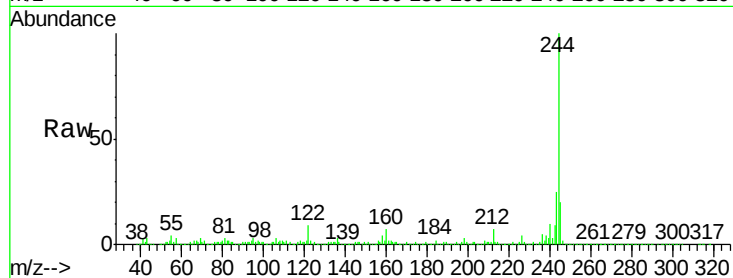
Tgt Ion:244 Resp: 911356

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

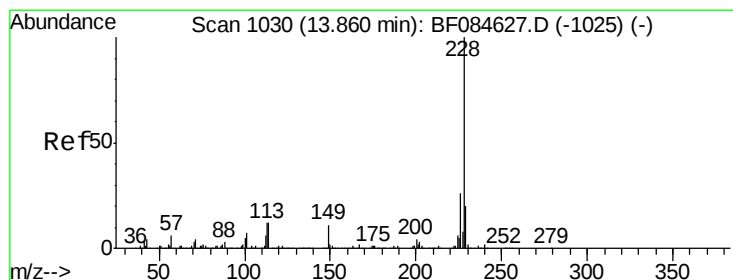
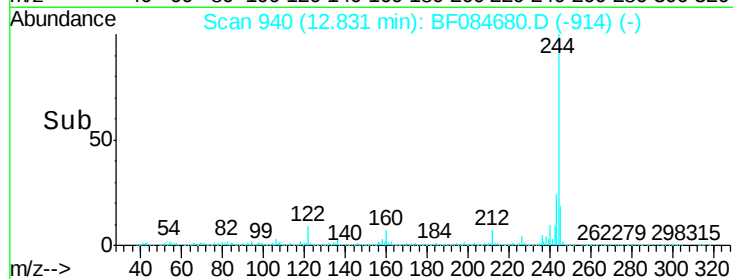
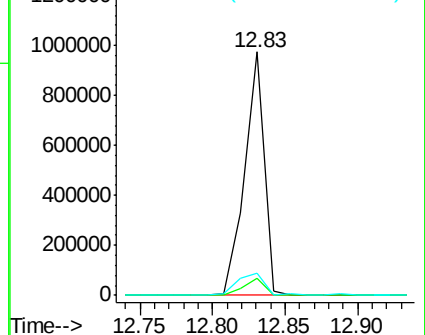
122 9.2 7.4 11.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 5.19 ng

RT: 13.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

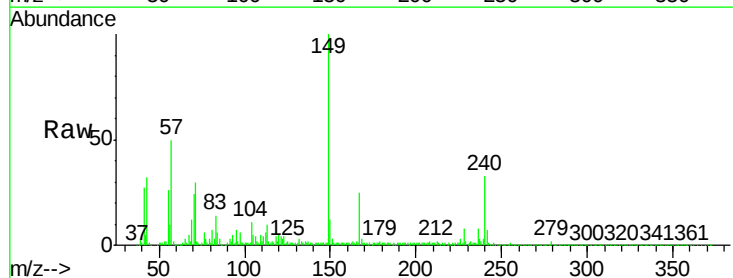
Tgt Ion:228 Resp: 86371

Ion Ratio Lower Upper

228 100

226 34.5 21.8 32.6#

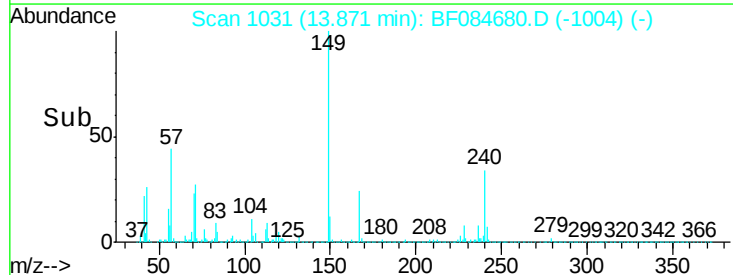
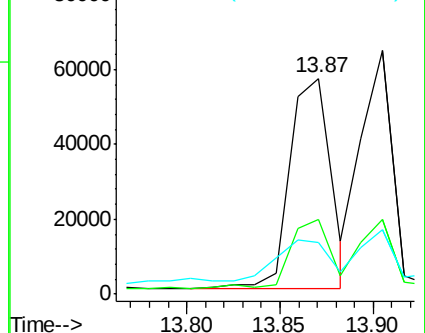
229 23.9 15.8 23.8#

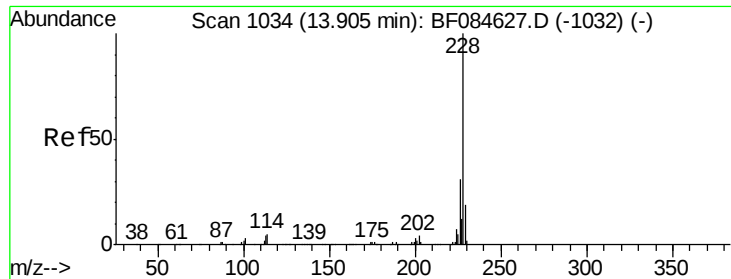


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.27 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.03 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

Instrument :

BNA_F

ClientSampleId :

SUP-B009(10-12)

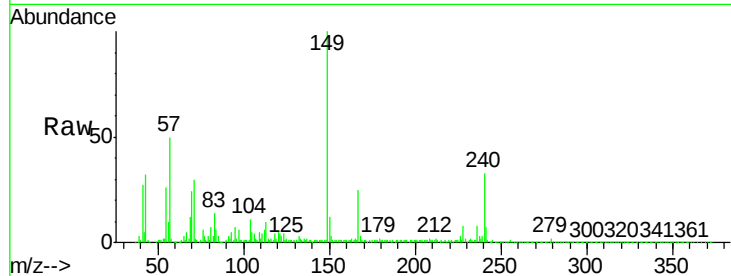
Tgt Ion:228 Resp: 86371

Ion Ratio Lower Upper

228 100

226 34.5 24.3 36.5

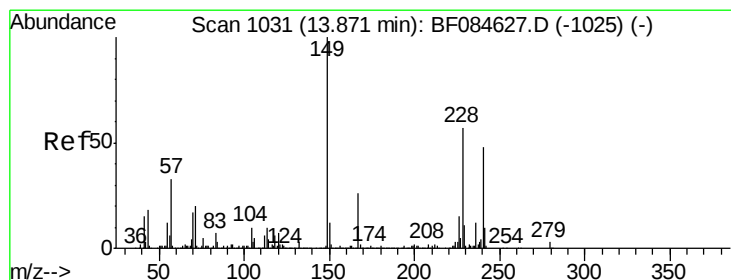
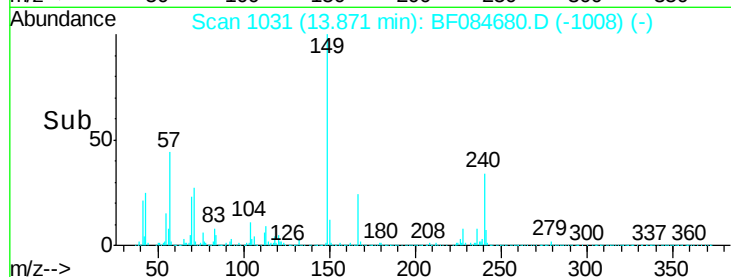
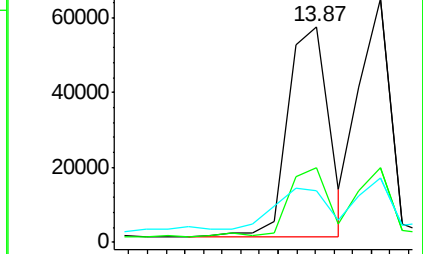
229 23.9 16.1 24.1



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 174.23 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.01 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

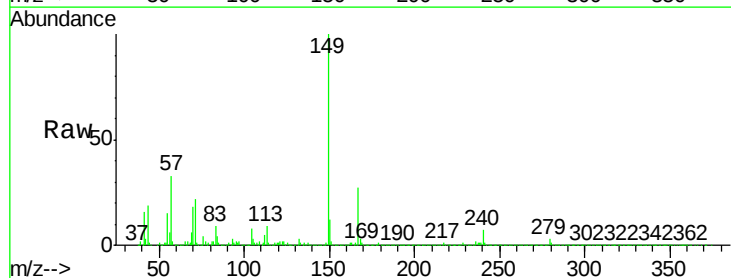
Tgt Ion:149 Resp: 1942707

Ion Ratio Lower Upper

149 100

167 27.3 19.7 29.5

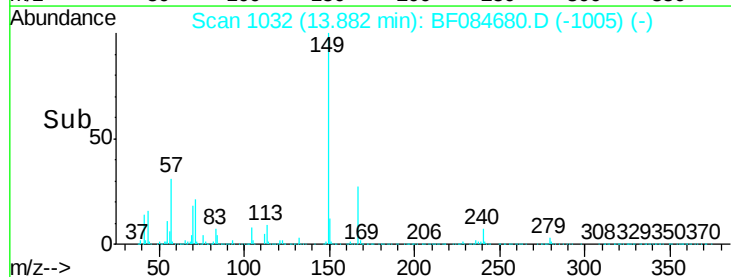
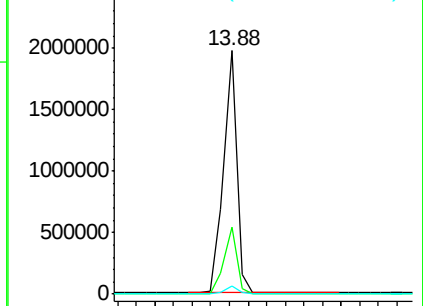
279 3.1 1.8 2.6#

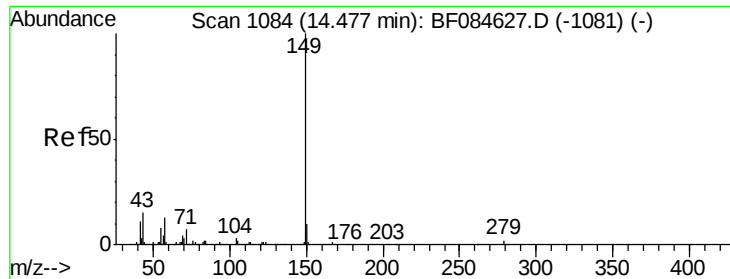


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 4.61 ng

RT: 14.47 min Scan# 1083

Delta R.T. -0.01 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

Instrument :

BNA_F

ClientSampleId :

SUP-B009(10-12)

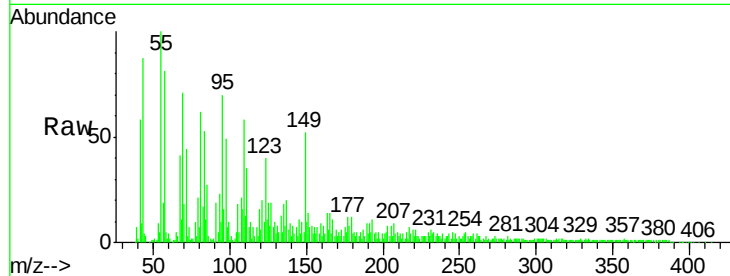
Tgt Ion:149 Resp: 81174

Ion Ratio Lower Upper

149 100

167 14.3 1.2 1.8#

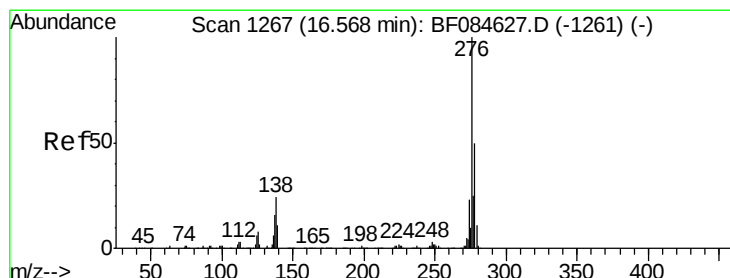
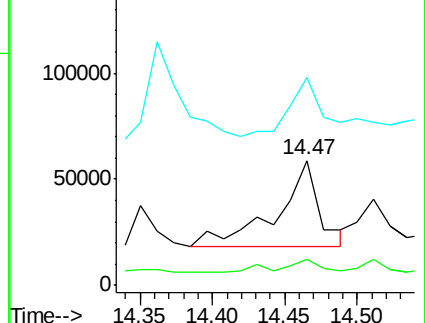
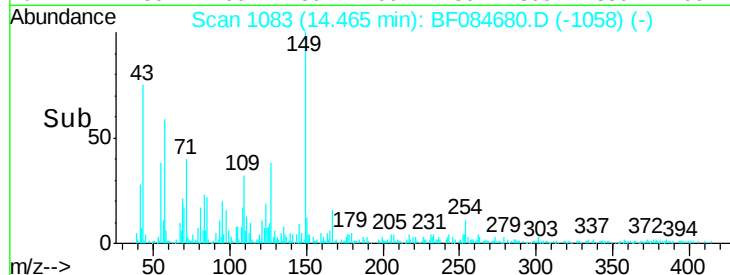
43 70.3 5.6 8.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.96 ng

RT: 16.59 min Scan# 1269

Delta R.T. 0.02 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

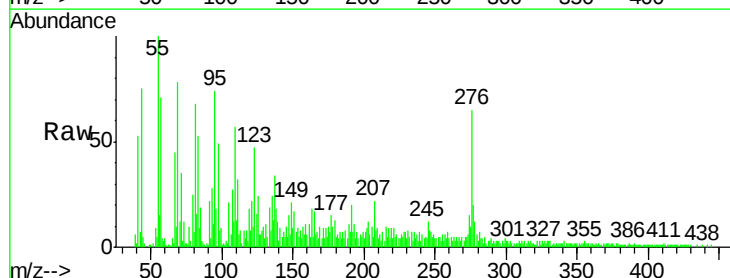
Tgt Ion:276 Resp: 57398

Ion Ratio Lower Upper

276 100

138 18.8 20.6 30.8#

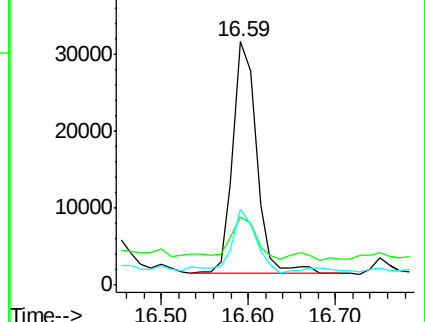
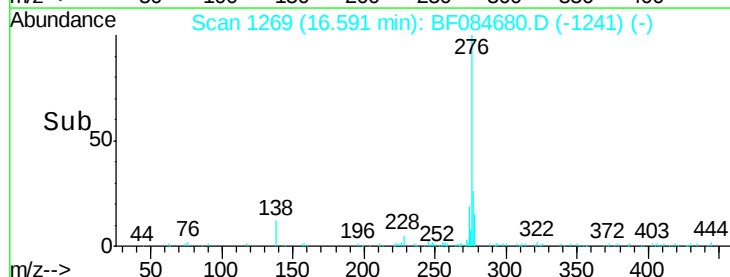
277 26.1 20.1 30.1

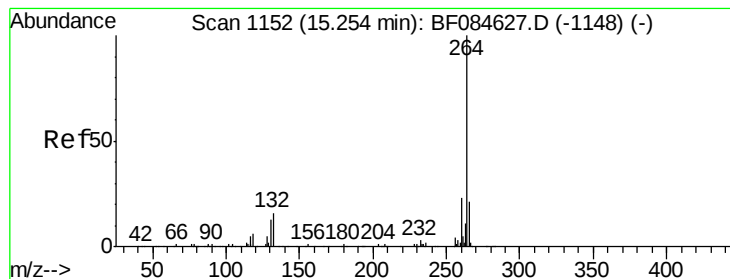


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.28 min Scan# 1154

Delta R.T. 0.02 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

Instrument :

BNA_F

ClientSampleId :

SUP-B009(10-12)

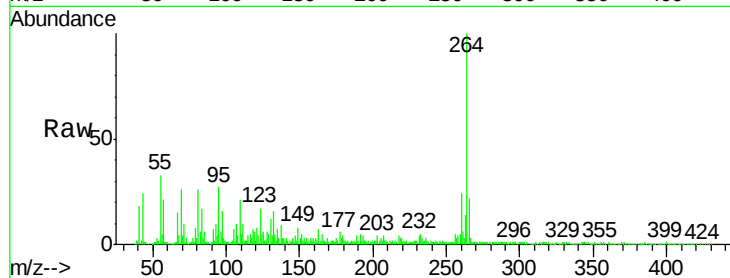
Tgt Ion:264 Resp: 331367

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

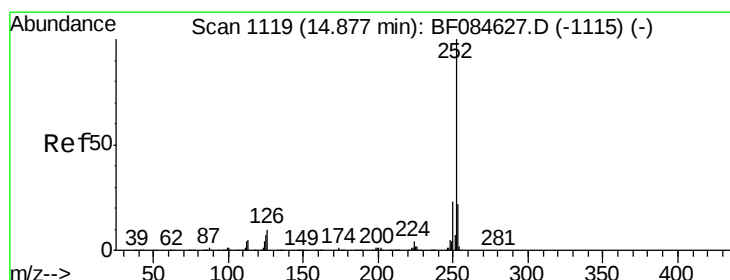
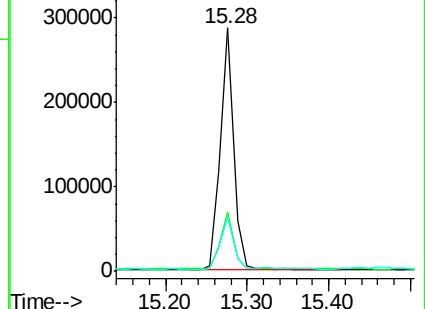
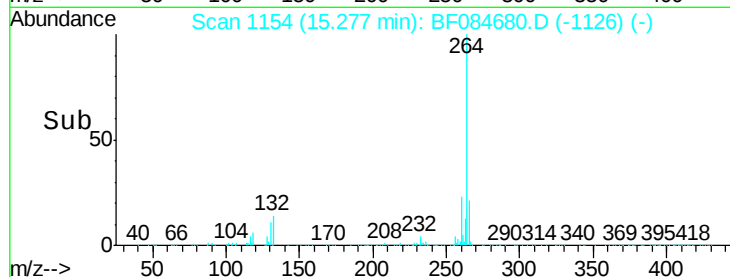
265 22.2 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 6.12 ng

RT: 14.89 min Scan# 1120

Delta R.T. 0.01 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

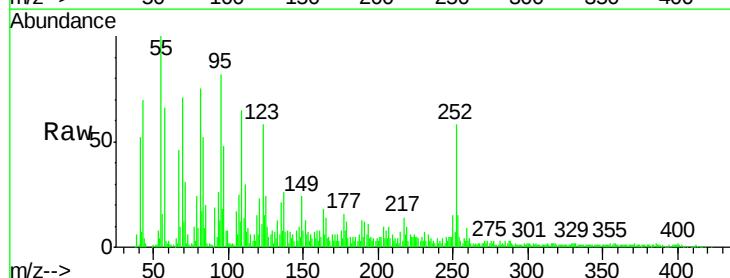
Tgt Ion:252 Resp: 131356

Ion Ratio Lower Upper

252 100

253 26.2 17.3 25.9#

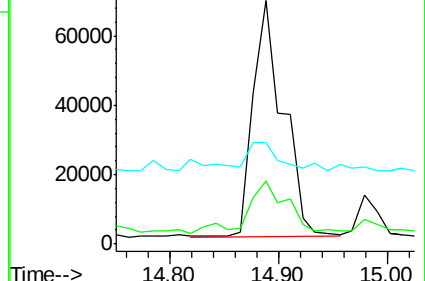
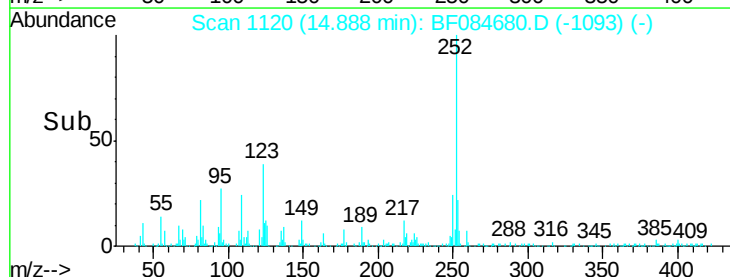
125 41.5 6.5 9.7#

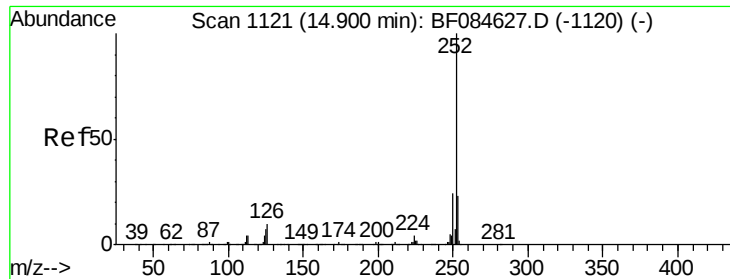


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

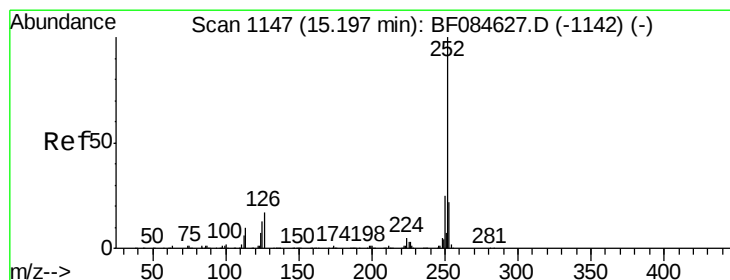
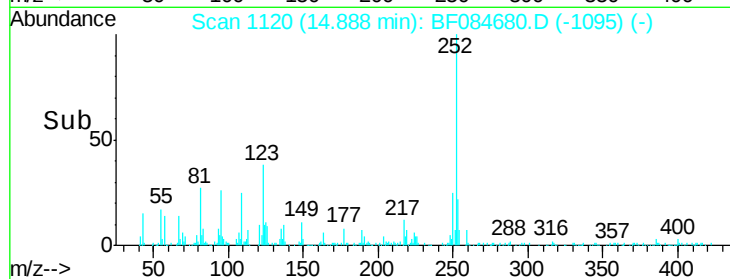
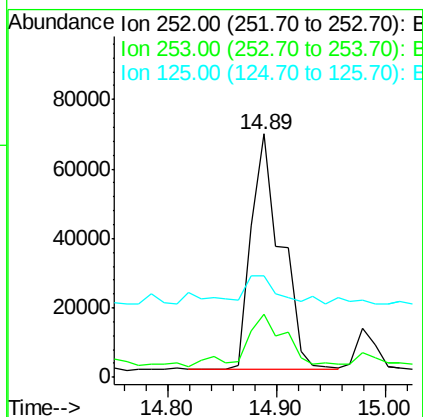
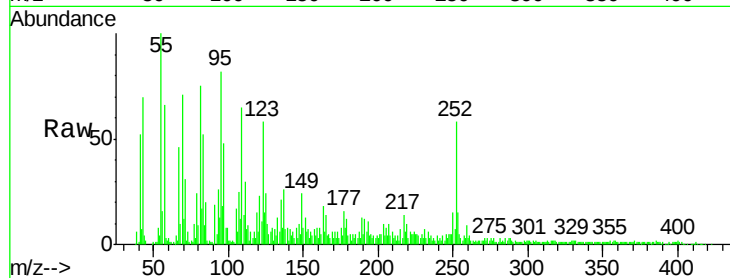




#88
Benzo(k)fluoranthene
Concen: 7.34 ng
RT: 14.89 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BF084680.D
Acq: 30 Jan 2016 12:31

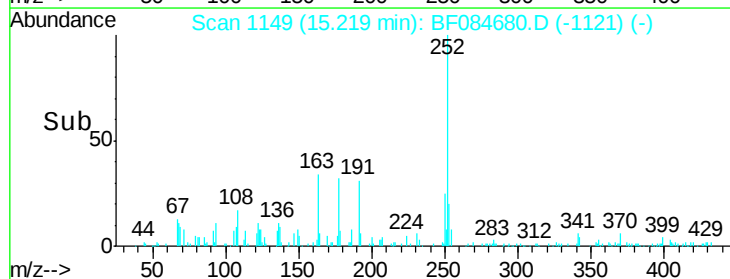
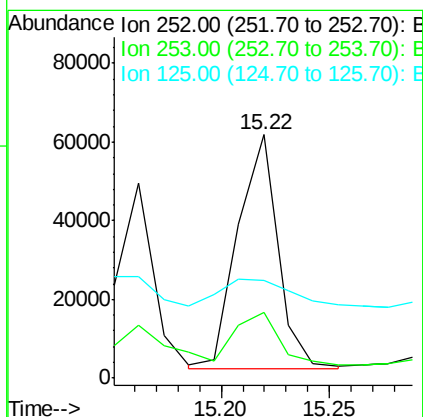
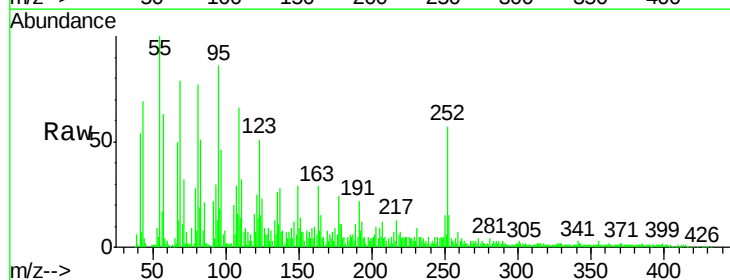
Instrument :
BNA_F
ClientSampleId :
SUP-B009(10-12)

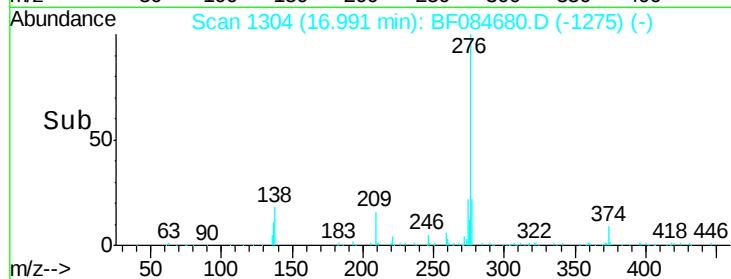
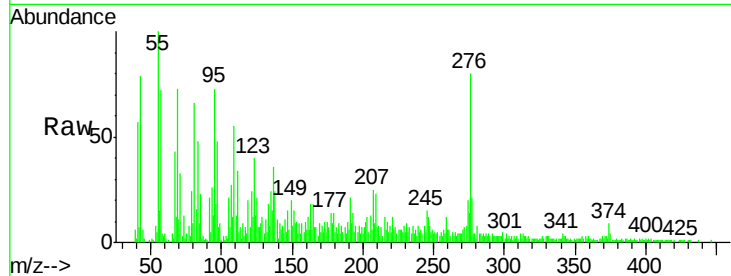
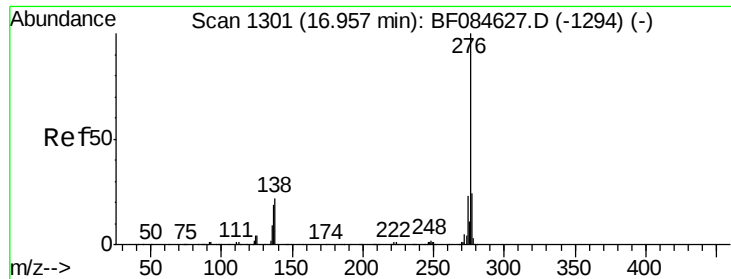
Tgt Ion:252 Resp: 130146
Ion Ratio Lower Upper
252 100
253 26.2 18.1 27.1
125 41.5 9.0 13.6#



#89
Benzo(a)pyrene
Concen: 4.13 ng
RT: 15.22 min Scan# 1149
Delta R.T. 0.02 min
Lab File: BF084680.D
Acq: 30 Jan 2016 12:31

Tgt Ion:252 Resp: 76643
Ion Ratio Lower Upper
252 100
253 27.0 17.3 25.9#
125 39.9 7.0 10.4#





#91

Benzo(g,h,i)perylene

Concen: 3.51 ng

RT: 16.99 min Scan# 1304

Delta R.T. 0.03 min

Lab File: BF084680.D

Acq: 30 Jan 2016 12:31

Instrument :

BNA_F

ClientSampleId :

SUP-B009(10-12)

Tgt Ion: 276 Resp: 59333

Ion Ratio Lower Upper

276 100

277 26.4 18.8 28.2

138 29.9 17.8 26.6#

