

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020316\
 Data File : BF084809.D
 Acq On : 4 Feb 2016 2:44
 Operator : SJ/IZ
 Sample : H1312-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B036(20-22)

Quant Time: Feb 04 04:09:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	176202	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	770125	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	339316	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	610695	20.00	ng	0.00
75) Chrysene-d12	13.84	240	468944	20.00	ng	0.00
86) Perylene-d12	15.21	264	350682	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	1442380	127.50	ng	0.01
7) Phenol-d6	6.34	99	1665378	118.75	ng	0.00
23) Nitrobenzene-d5	7.25	82	1081971	79.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	426226	120.42	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1984408	108.53	ng	0.00
78) Terphenyl-d14	12.80	244	1734327	83.81	ng	0.00

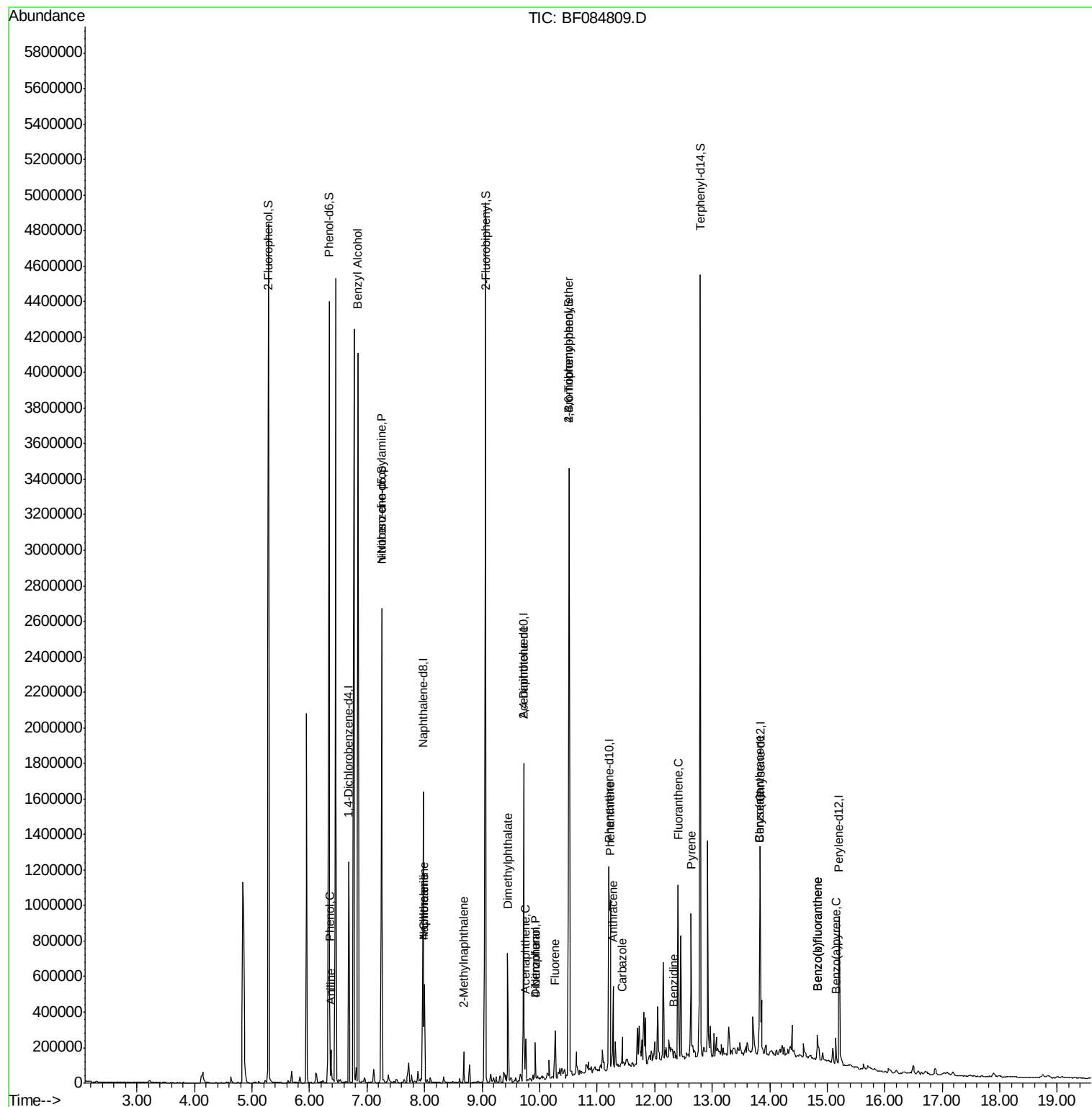
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.37	93	41276	2.41	ng	# 38
10) Phenol	6.35	94	49983	3.18	ng	93
15) Benzyl Alcohol	6.84	79	23908	2.47	ng	# 45
19) n-Nitroso-di-n-propylamine	7.25	70	145355	16.53	ng	# 71
31) Naphthalene	8.00	128	264135	6.84	ng	97
33) 4-Chloroaniline	8.00	127	34205	2.14	ng	# 39
37) 2-Methylnaphthalene	8.68	142	49003	2.03	ng	95
49) Dimethylphthalate	9.45	163	329543	12.75	ng	# 89
51) Acenaphthene	9.76	154	56745	2.58	ng	95
54) Dibenzofuran	9.93	168	73314	2.72	ng	97
55) 4-Nitrophenol	9.93	139	27996	6.00	ng	# 12
56) 2,4-Dinitrotoluene	9.72	165	46392	6.44	ng	# 22
57) Fluorene	10.27	166	81608	3.63	ng	99
66) 4-Bromophenyl-phenylether	10.51	248	26186	3.88	ng	# 1
70) Phenanthrene	11.23	178	562860	16.62	ng	100
71) Anthracene	11.28	178	182252	5.34	ng	98
72) Carbazole	11.44	167	62454	2.10	ng	99
74) Fluoranthene	12.41	202	362218	10.57	ng	98
76) Benzydine	12.34	184	658	6.92	ng	# 1
77) Pyrene	12.64	202	347562	9.68	ng	99
80) Benzo(a)anthracene	13.83	228	147712	5.08	ng	98
82) Chrysene	13.83	228	147712	5.23	ng	95
87) Benzo(b)fluoranthene	14.83	252	103734	4.40	ng	# 97
88) Benzo(k)fluoranthene	14.83	252	103734	5.32	ng	99
89) Benzo(a)pyrene	15.15	252	64269	3.20	ng	# 96

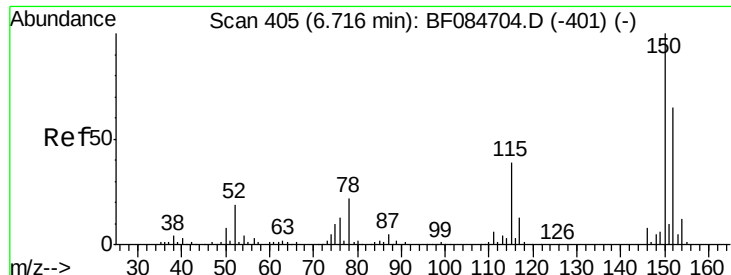
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Instrument :

BNA_F

ClientSampleId :

SUP-B036(20-22)

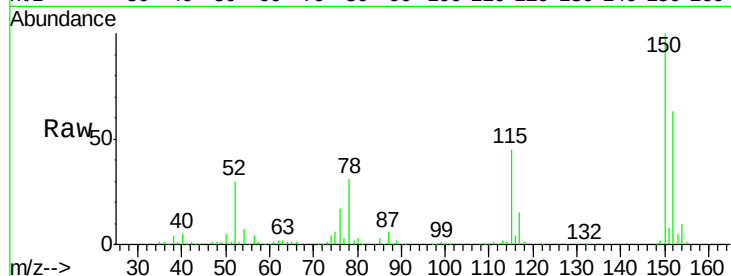
Tgt Ion:152 Resp: 176202

Ion Ratio Lower Upper

152 100

150 158.0 123.0 184.4

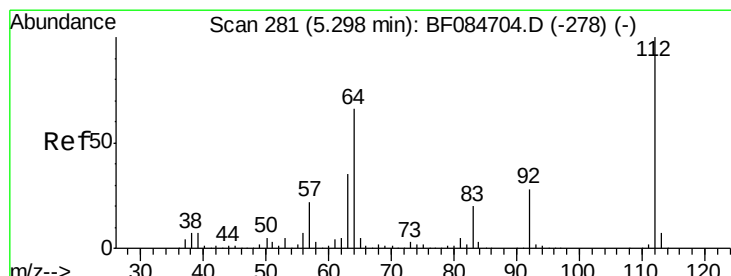
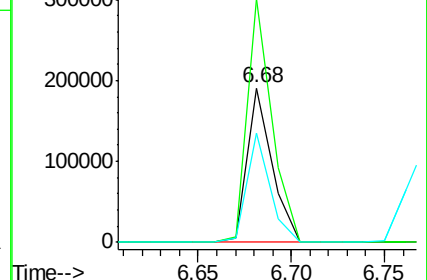
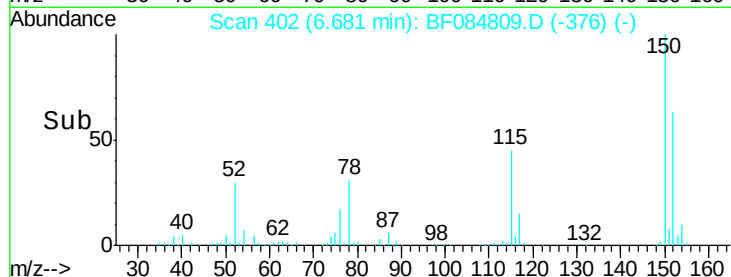
115 71.1 51.4 77.2



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: 127.50 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

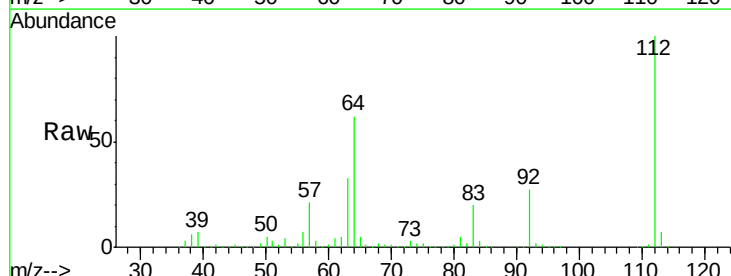
Tgt Ion:112 Resp: 1442380

Ion Ratio Lower Upper

112 100

64 62.3 36.6 55.0#

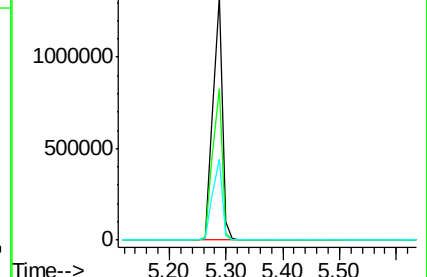
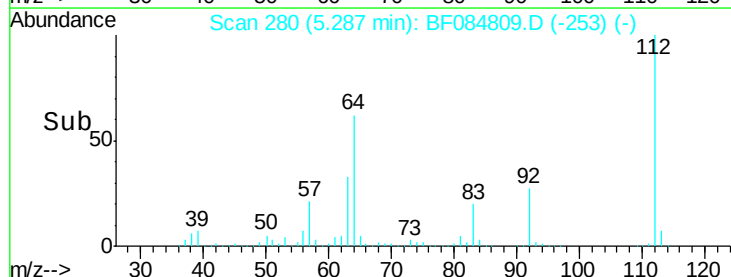
63 33.4 19.4 29.0#

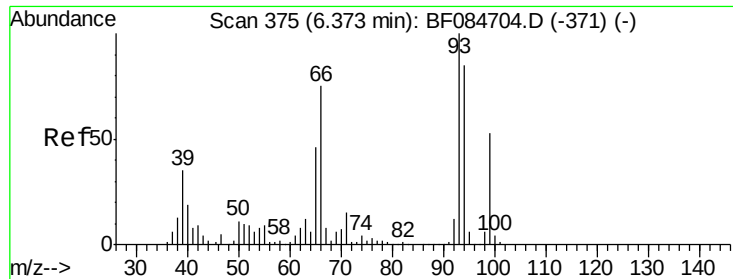


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 2.41 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.02 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Instrument :

BNA_F

ClientSampleId :

SUP-B036(20-22)

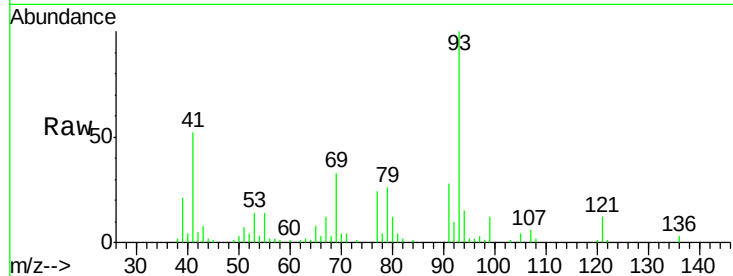
Tgt Ion: 93 Resp: 41276

Ion Ratio Lower Upper

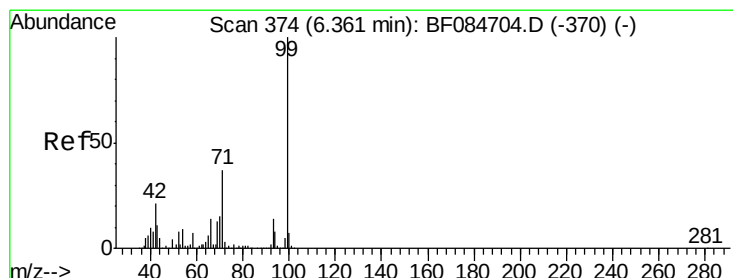
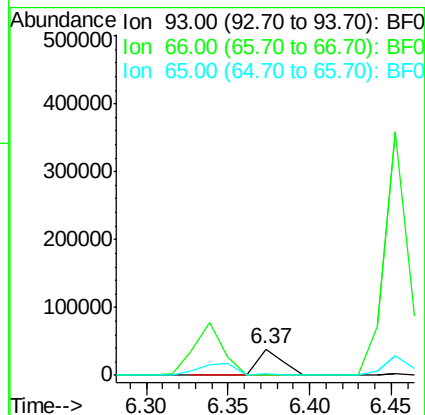
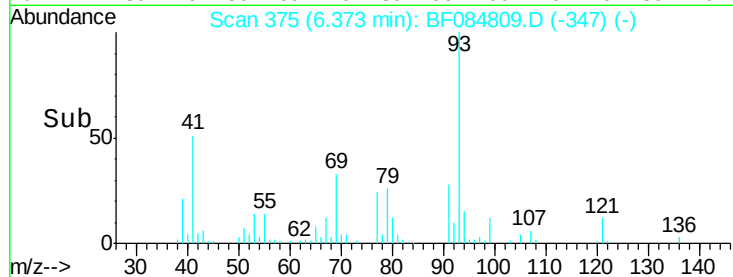
93 100

66 3.1 44.9 67.3#

65 7.6 23.7 35.5#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 118.75 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.00 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

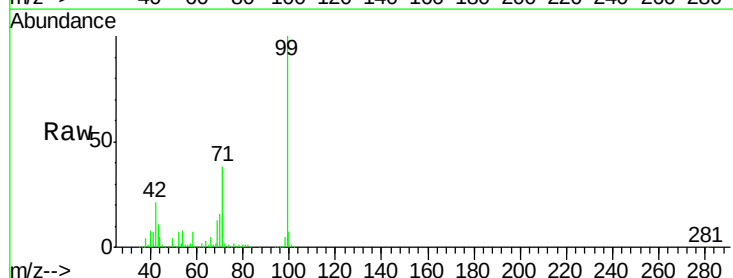
Tgt Ion: 99 Resp: 1665378

Ion Ratio Lower Upper

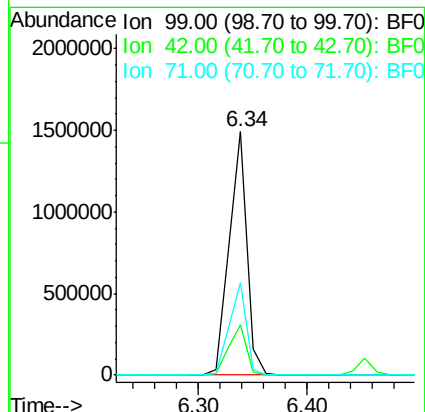
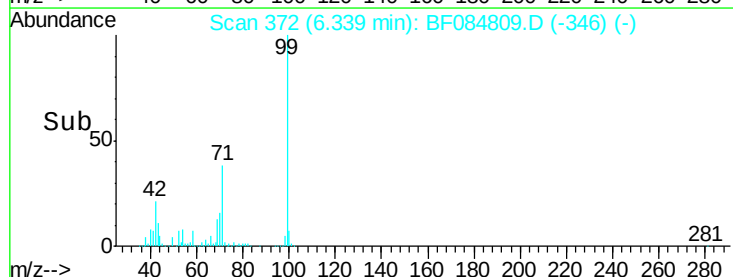
99 100

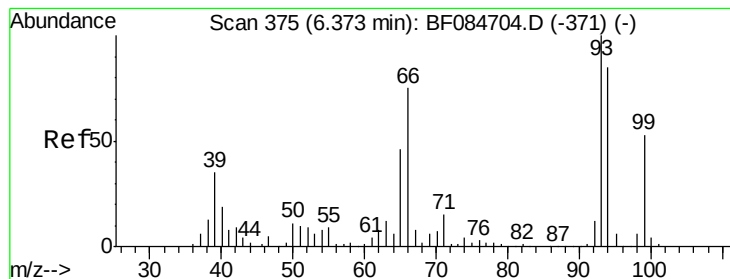
42 20.6 12.8 19.2#

71 37.9 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





#10

Phenol

Concen: 3.18 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.00 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Instrument :

BNA_F

ClientSampleId :

SUP-B036(20-22)

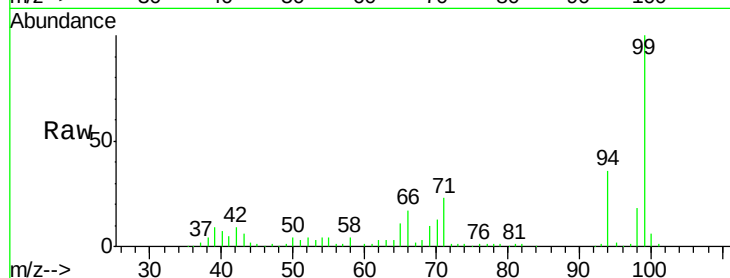
Tgt Ion: 94 Resp: 49983

Ion Ratio Lower Upper

94 100

65 29.6 12.9 52.9

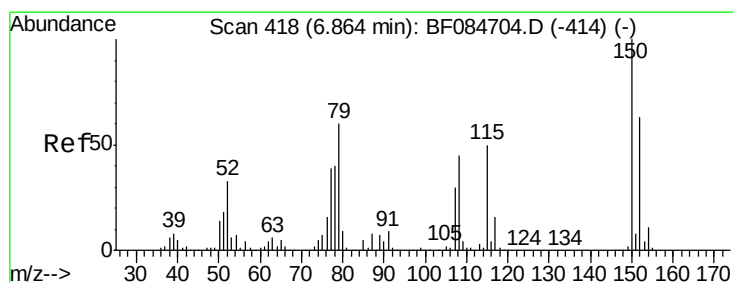
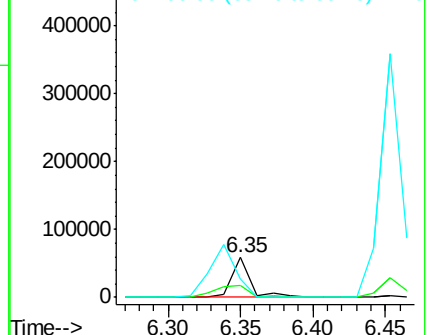
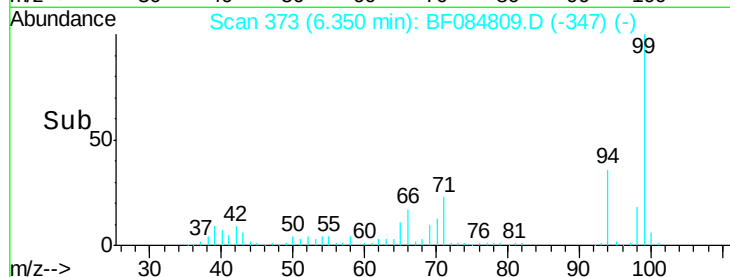
66 47.1 32.7 72.7



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#15

Benzyl Alcohol

Concen: 2.47 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.00 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

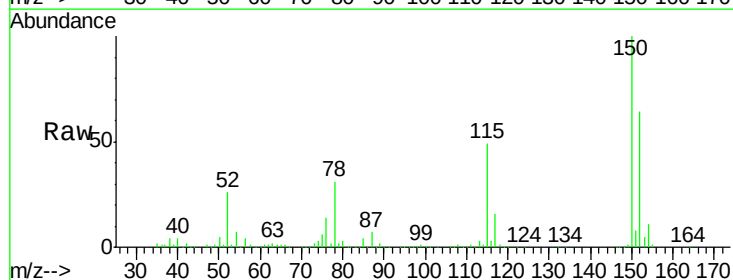
Tgt Ion: 79 Resp: 23908

Ion Ratio Lower Upper

79 100

108 27.4 69.0 103.4#

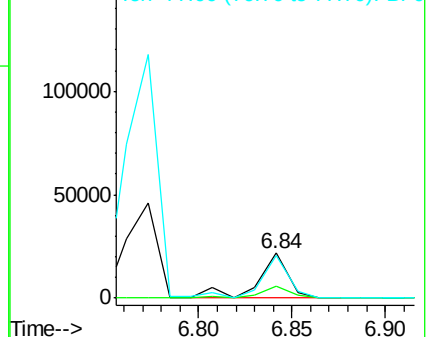
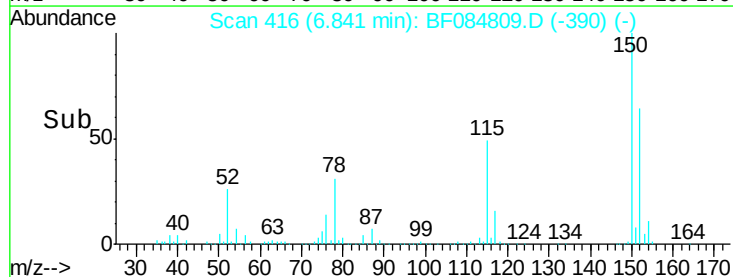
77 95.5 50.0 75.0#

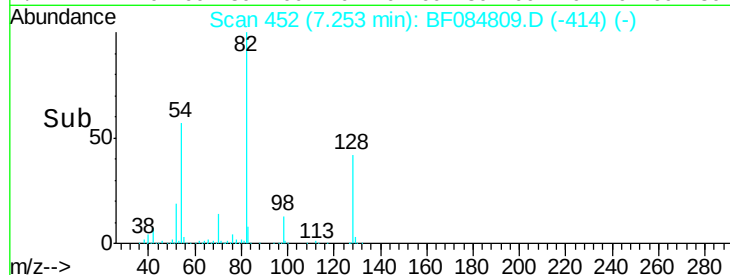
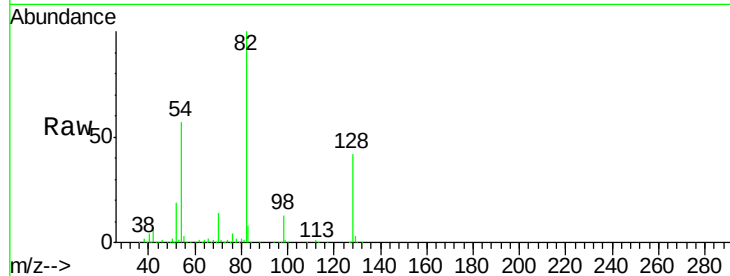
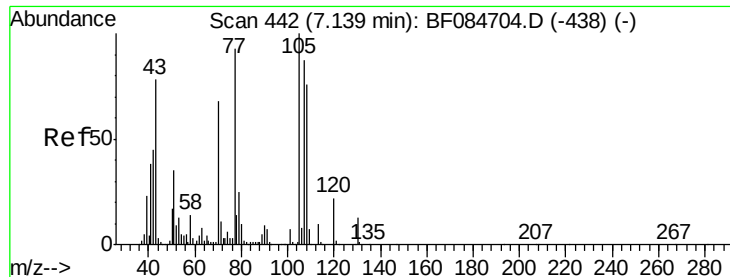


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

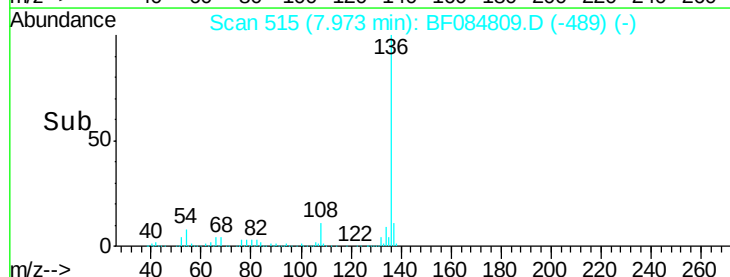
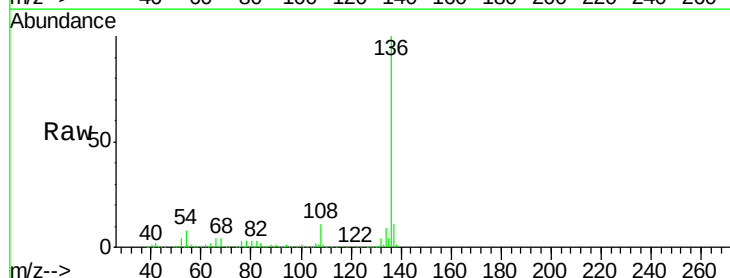
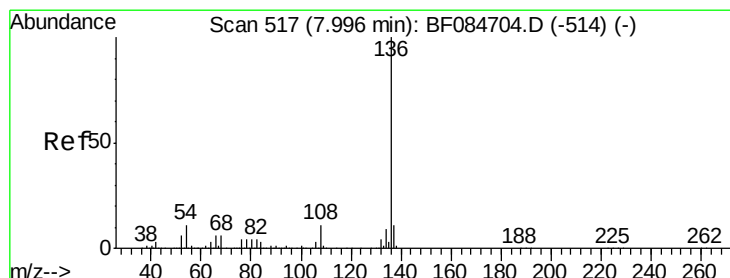
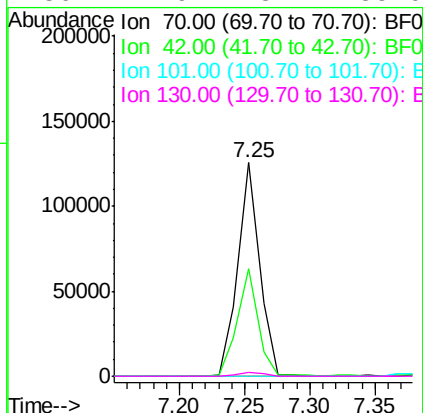




#19
n-Nitroso-di-n-propylamine
Concen: 16.53 ng
RT: 7.25 min Scan# 452
Delta R.T. 0.14 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

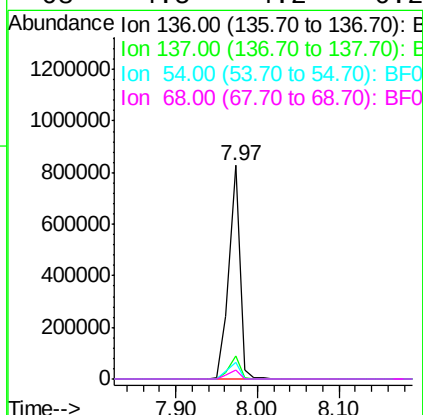
Instrument :
BNA_F
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SUP-B036(20-22)

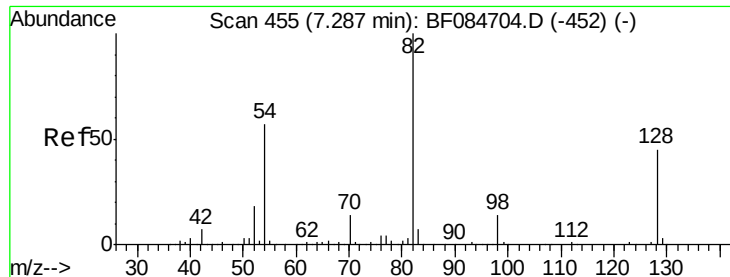
Tgt Ion:	70	Resp:	145355
Ion	Ratio	Lower	Upper
70	100		
42	50.4	33.3	49.9#
101	0.0	9.3	13.9#
130	1.9	23.4	35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.00 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Tgt Ion:	136	Resp:	770125
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.7	5.8	8.8
68	4.5	4.2	6.2

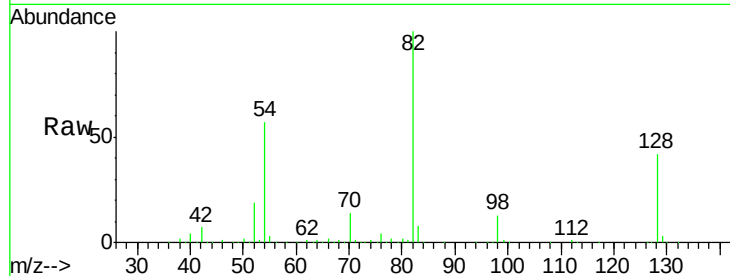




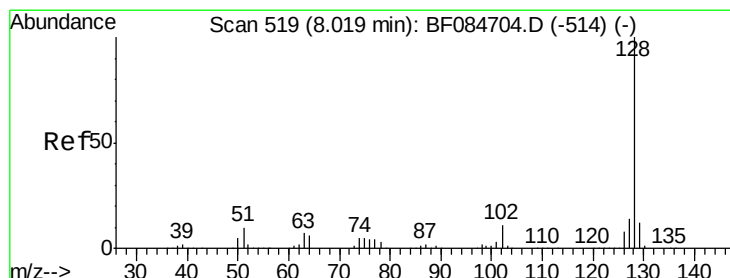
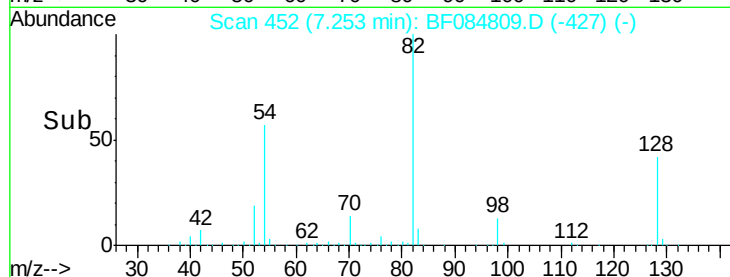
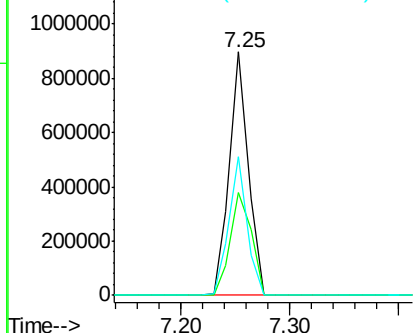
#23
Nitrobenzene-d5
Concen: 79.14 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.01 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Instrument :
BNA_F
ClientSampleId :
SUP-B036(20-22)

Tgt Ion: 82 Resp: 1081971
Ion Ratio Lower Upper
82 100
128 42.0 34.6 51.8
54 57.2 38.4 57.6

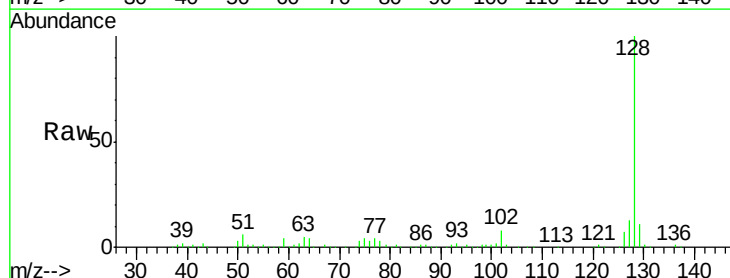


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

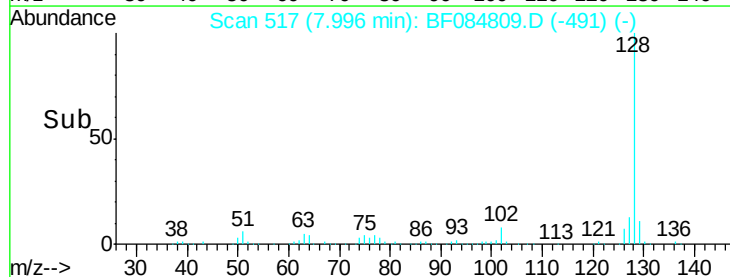
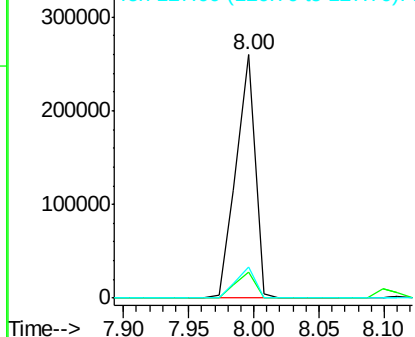


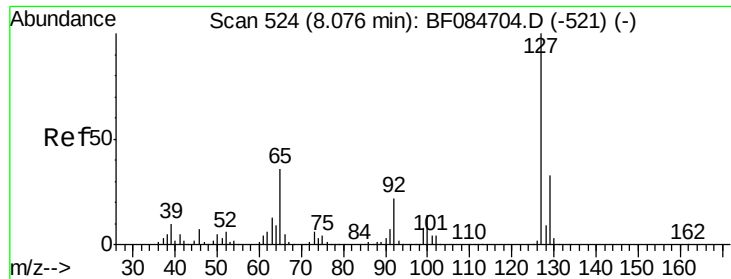
#31
Naphthalene
Concen: 6.84 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.00 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Tgt Ion: 128 Resp: 264135
Ion Ratio Lower Upper
128 100
129 10.5 9.1 13.7
127 12.8 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

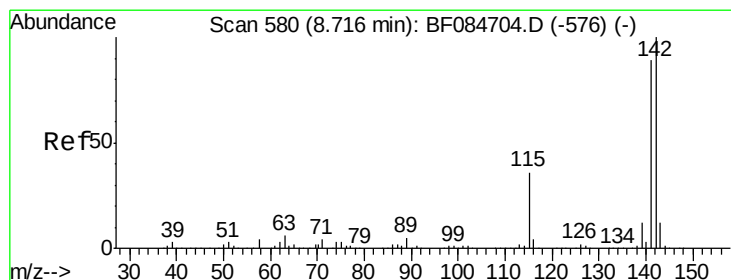
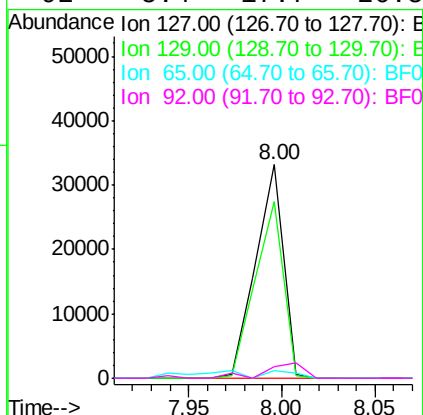
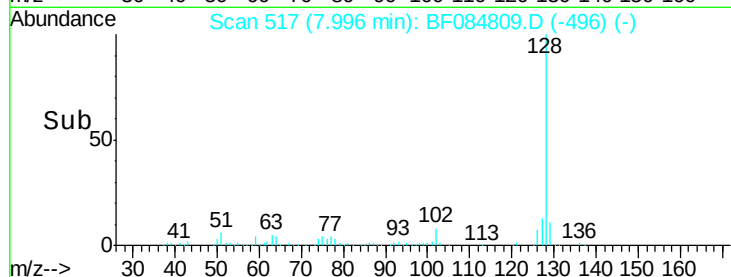
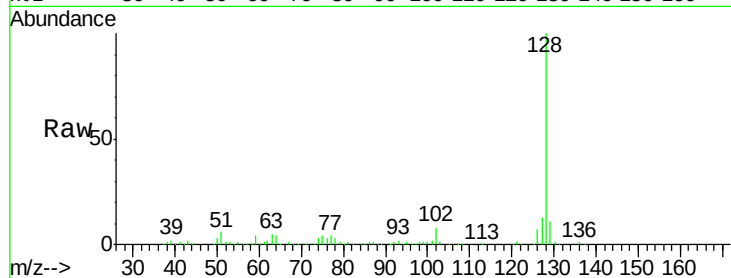




#33
4-Chloroaniline
Concen: 2.14 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.06 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

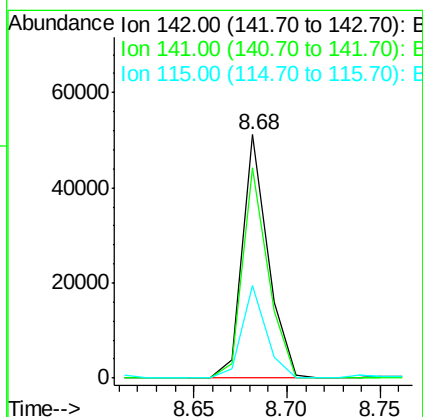
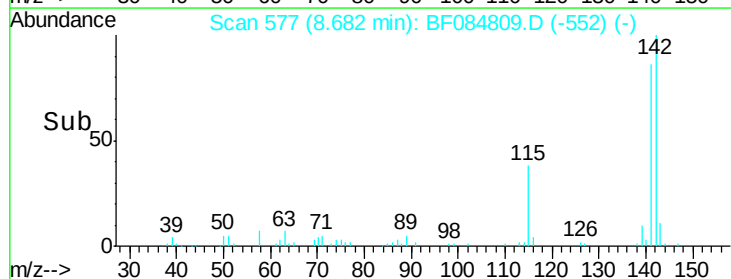
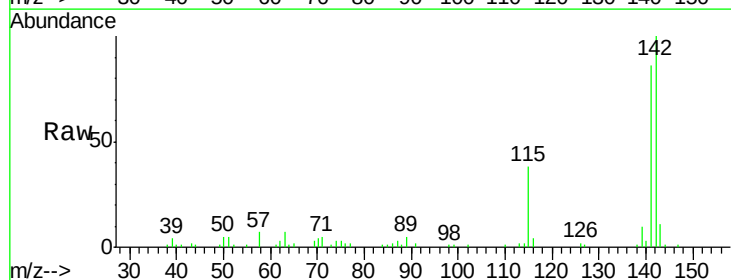
Instrument :
BNA_F
ClientSampleId :
SUP-B036(20-22)

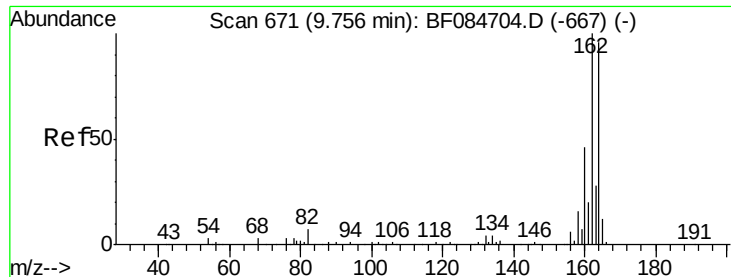
Tgt Ion:	127	Resp:	34205
Ion	Ratio	Lower	Upper
127	100		
129	82.5	26.5	39.7#
65	3.5	27.2	40.8#
92	5.4	17.7	26.5#



#37
2-Methylnaphthalene
Concen: 2.03 ng
RT: 8.68 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Tgt Ion:	142	Resp:	49003
Ion	Ratio	Lower	Upper
142	100		
141	86.1	72.4	108.6
115	38.0	27.9	41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Instrument :

BNA_F

ClientSampleId :

SUP-B036(20-22)

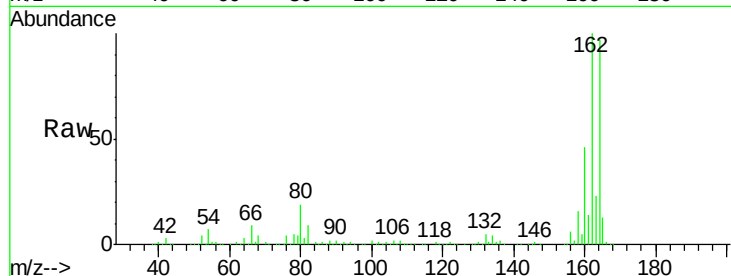
Tgt Ion:164 Resp: 339316

Ion Ratio Lower Upper

164 100

162 103.0 85.1 127.7

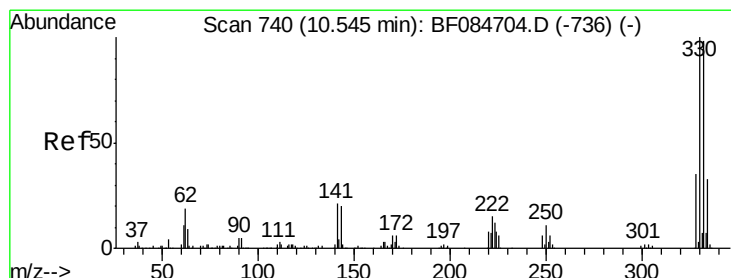
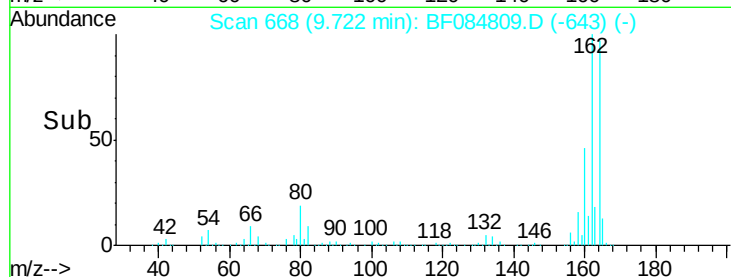
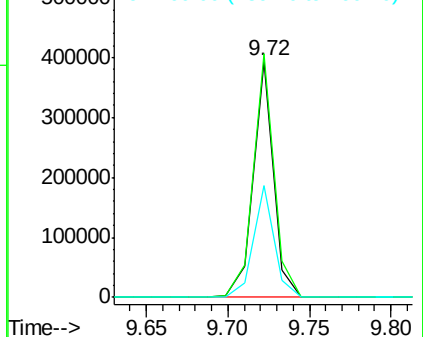
160 47.5 37.5 56.3



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: 120.42 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

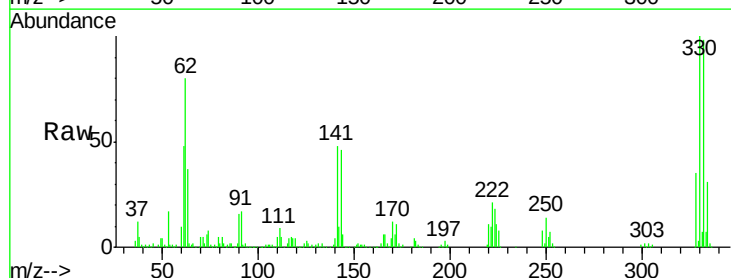
Tgt Ion:330 Resp: 426226

Ion Ratio Lower Upper

330 100

332 97.3 76.6 114.8

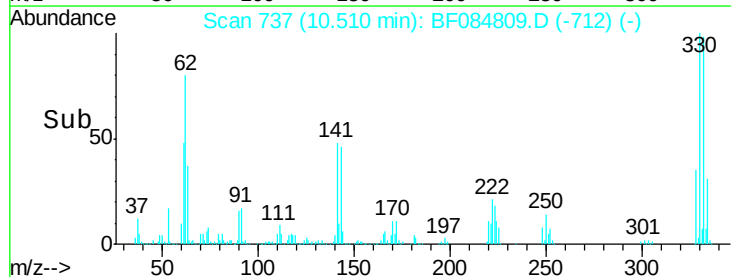
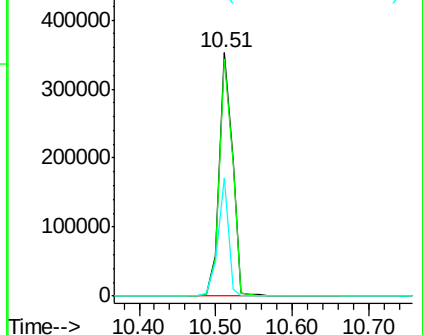
141 38.7 27.8 41.6

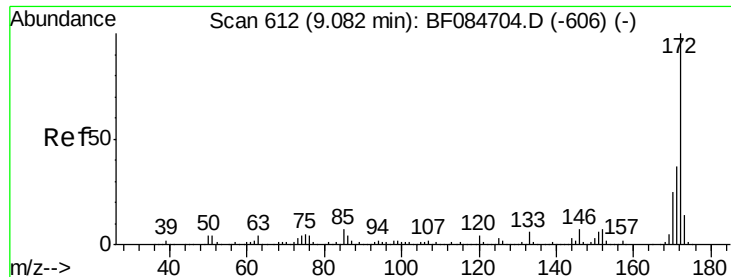


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

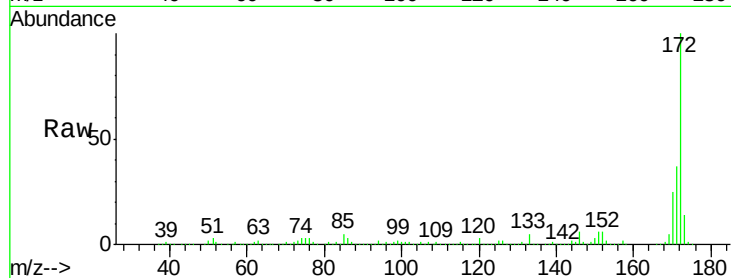




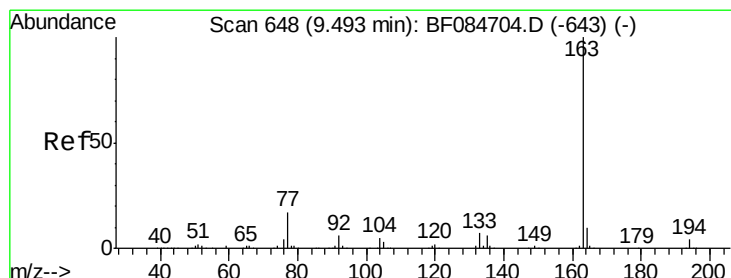
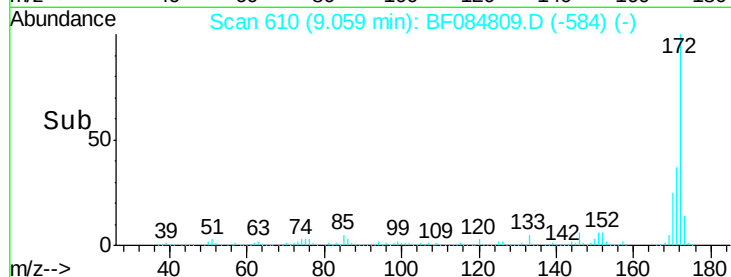
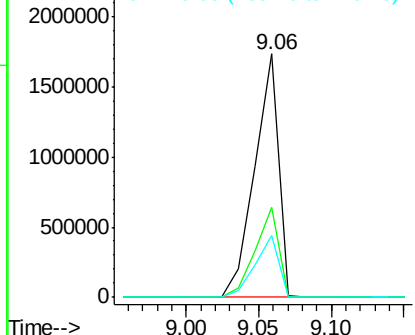
#44
 2-Fluorobiphenyl
 Concen: 108.53 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: BF084809.D
 Acq: 4 Feb 2016 2:44

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B036(20-22)

Tgt Ion:172 Resp: 1984408
 Ion Ratio Lower Upper
 172 100
 171 36.8 28.9 43.3
 170 25.2 18.6 27.8

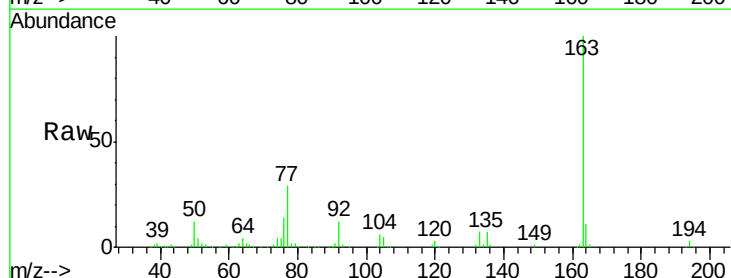


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

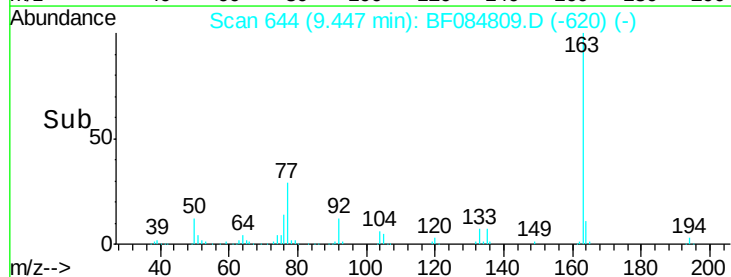
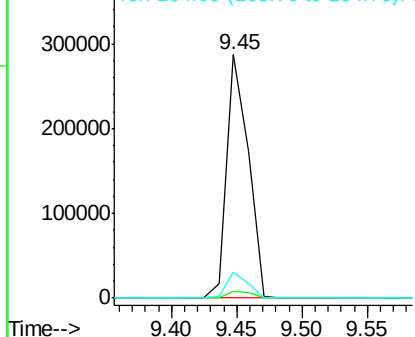


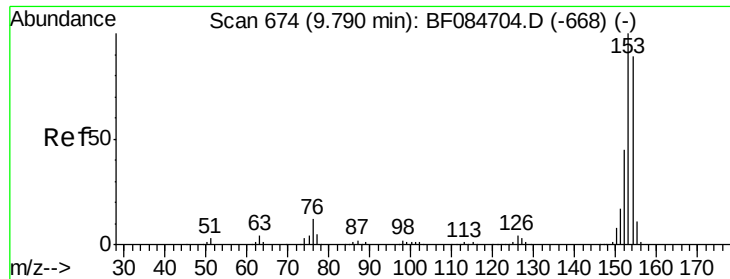
#49
 Dimethylphthalate
 Concen: 12.75 ng
 RT: 9.45 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF084809.D
 Acq: 4 Feb 2016 2:44

Tgt Ion:163 Resp: 329543
 Ion Ratio Lower Upper
 163 100
 194 2.5 8.0 12.0#
 164 10.8 8.0 12.0



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





#51

Acenaphthene

Concen: 2.58 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Instrument :

BNA_F

ClientSampleId :

SUP-B036(20-22)

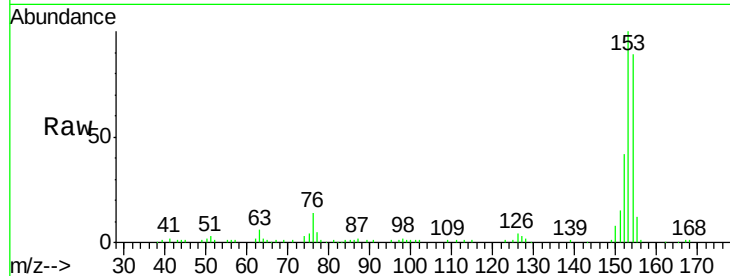
Tgt Ion:154 Resp: 56745

Ion Ratio Lower Upper

154 100

153 111.9 91.5 137.3

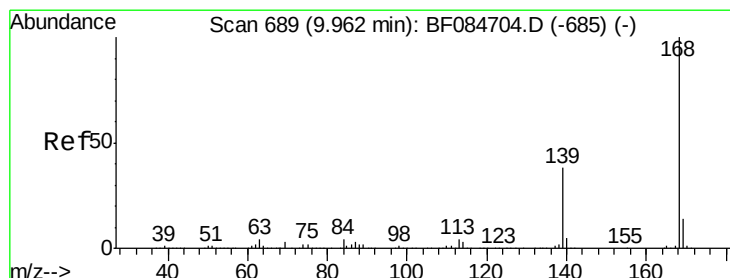
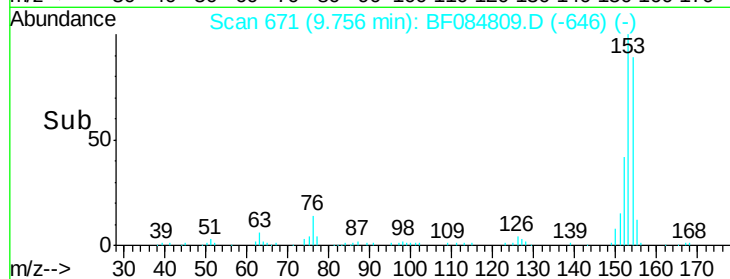
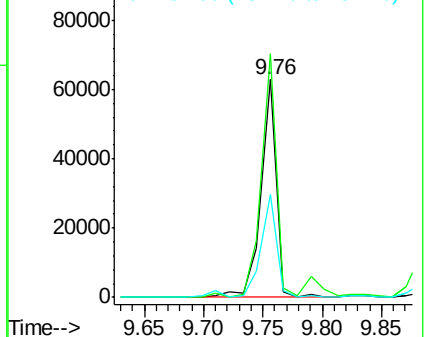
152 47.2 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.72 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

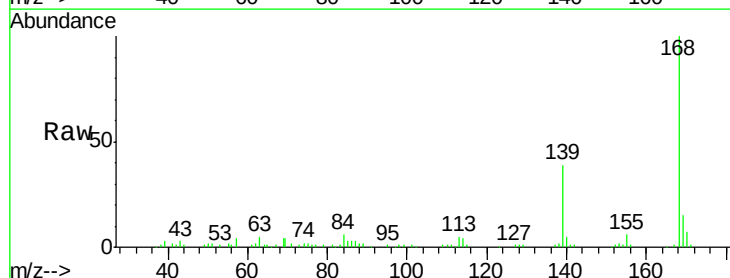
Tgt Ion:168 Resp: 73314

Ion Ratio Lower Upper

168 100

139 39.1 30.5 45.7

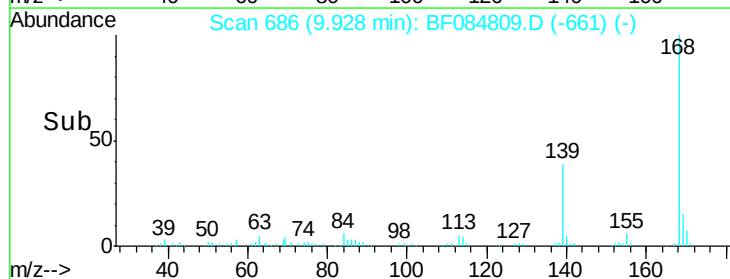
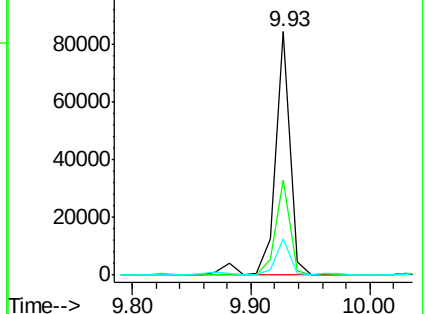
169 14.9 10.4 15.6

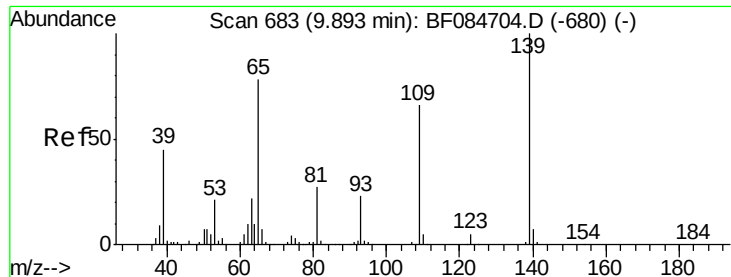


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 6.00 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.06 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Instrument :

BNA_F

ClientSampleId :

SUP-B036(20-22)

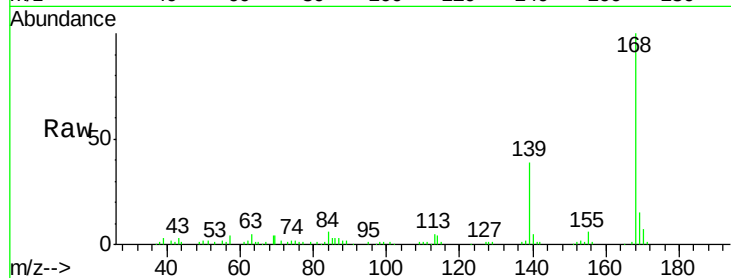
Tgt Ion:139 Resp: 27996

Ion Ratio Lower Upper

139 100

109 1.6 58.5 98.5#

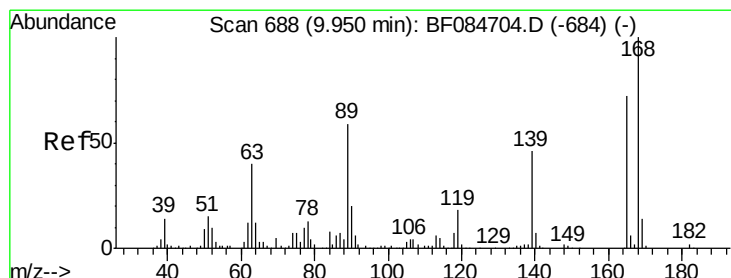
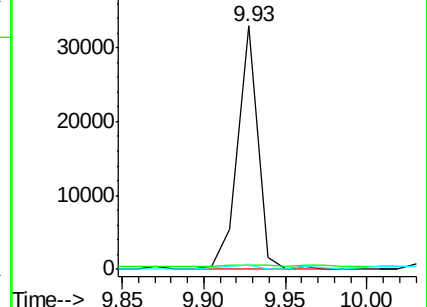
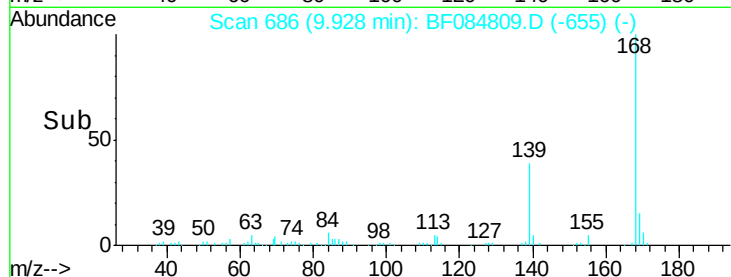
65 1.9 57.6 97.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.44 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.21 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Tgt Ion:165 Resp: 46392

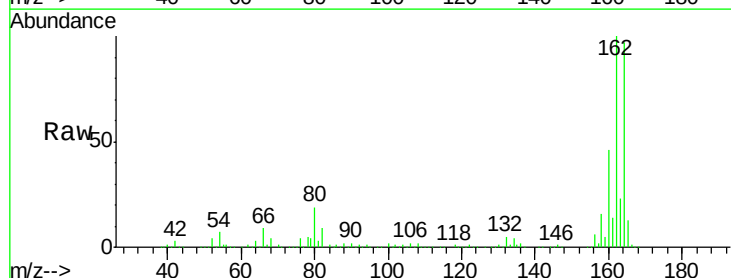
Ion Ratio Lower Upper

165 100

63 1.5 36.7 55.1#

89 1.9 61.9 92.9#

182 0.0 2.0 3.0#

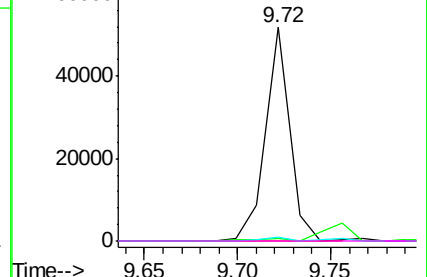
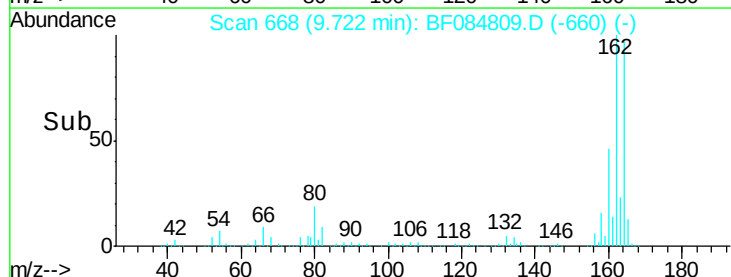


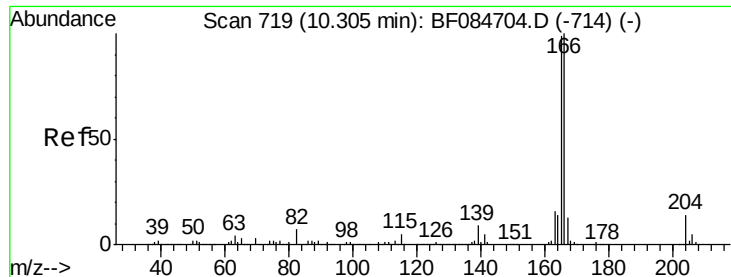
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

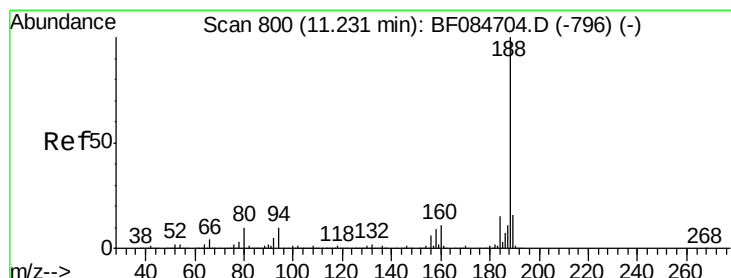
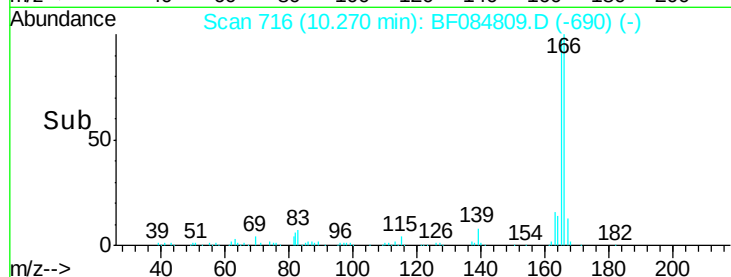
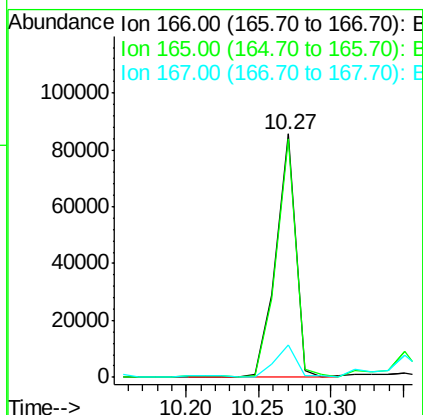
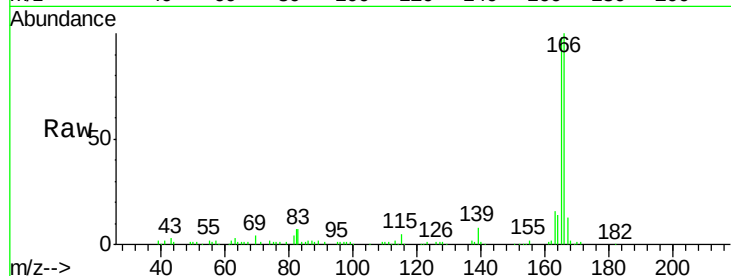




#57
 Fluorene
 Concen: 3.63 ng
 RT: 10.27 min Scan# 716
 Delta R.T. -0.00 min
 Lab File: BF084809.D
 Acq: 4 Feb 2016 2:44

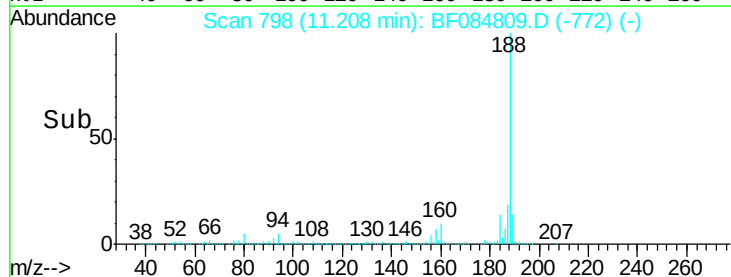
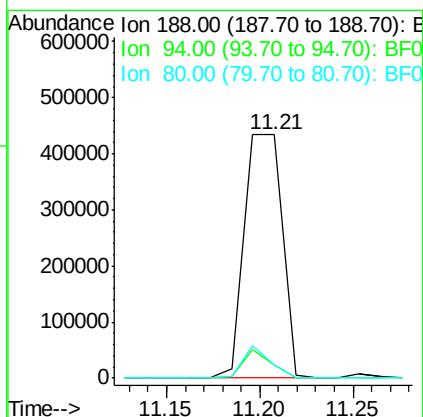
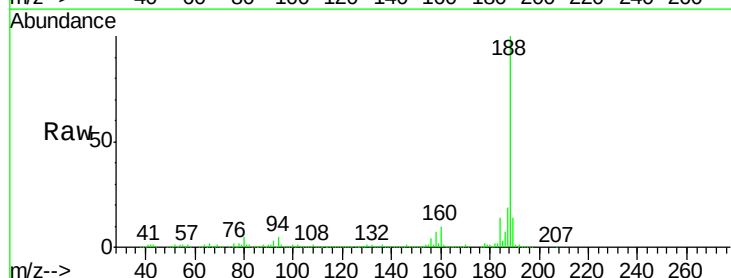
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B036(20-22)

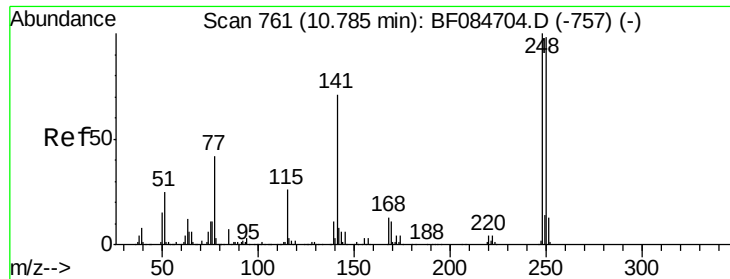
Tgt Ion:166 Resp: 81608
 Ion Ratio Lower Upper
 166 100
 165 97.8 79.1 118.7
 167 13.3 10.4 15.6



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 798
 Delta R.T. -0.00 min
 Lab File: BF084809.D
 Acq: 4 Feb 2016 2:44

Tgt Ion:188 Resp: 610695
 Ion Ratio Lower Upper
 188 100
 94 5.2 9.0 13.4#
 80 5.3 9.6 14.4#

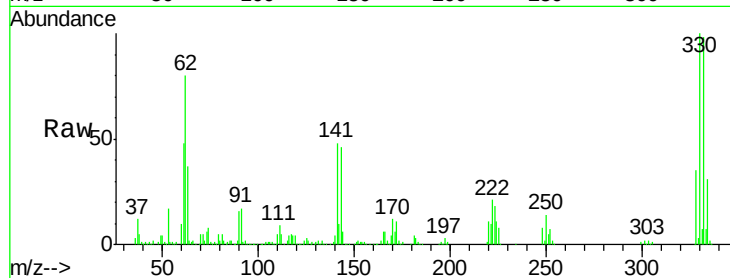




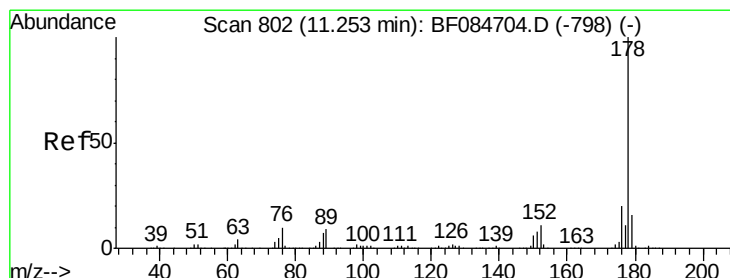
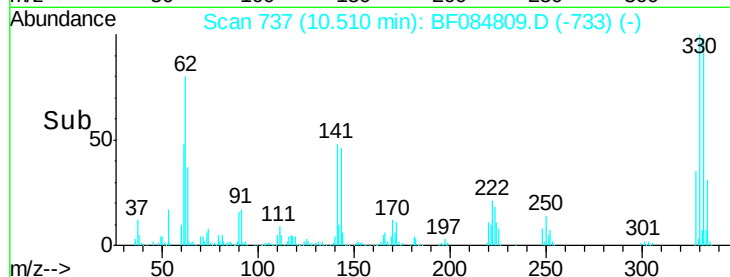
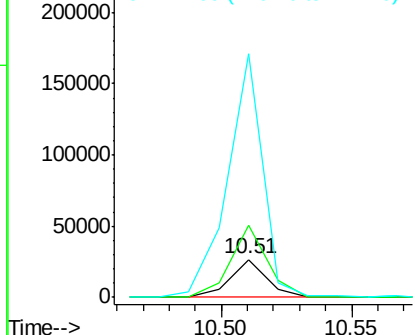
#66
 4-Bromophenyl-phenylether
 Concen: 3.88 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.25 min
 Lab File: BF084809.D
 Acq: 4 Feb 2016 2:44

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B036(20-22)

Tgt Ion:248 Resp: 26186
 Ion Ratio Lower Upper
 248 100
 250 190.5 78.4 117.6#
 141 643.5 44.0 66.0#

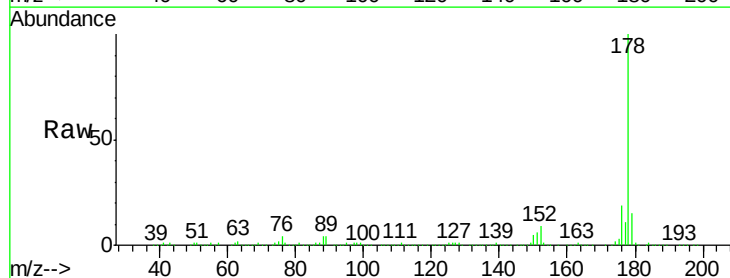


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

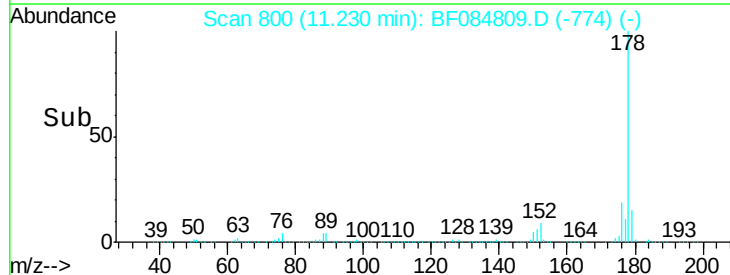
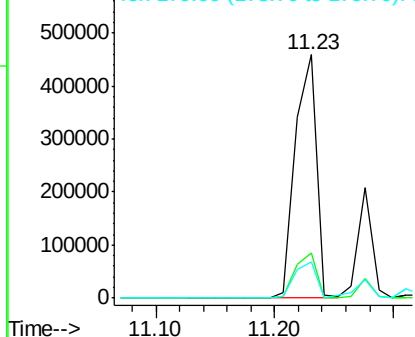


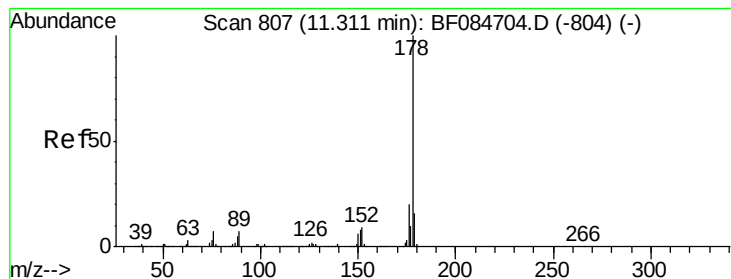
#70
 Phenanthrene
 Concen: 16.62 ng
 RT: 11.23 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: BF084809.D
 Acq: 4 Feb 2016 2:44

Tgt Ion:178 Resp: 562860
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.3 22.9
 179 14.9 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





#71

Anthracene

Concen: 5.34 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Instrument :

BNA_F

ClientSampleId :

SUP-B036(20-22)

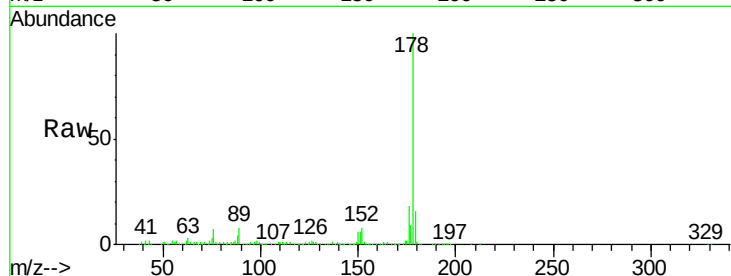
Tgt Ion:178 Resp: 182252

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.0

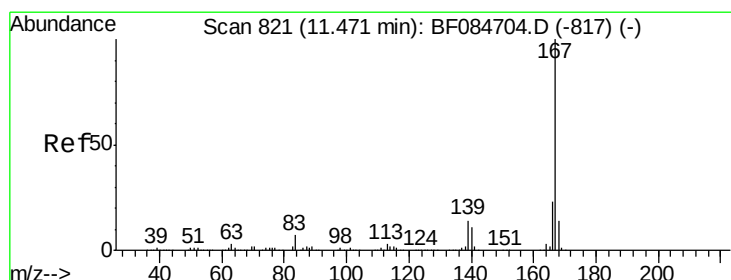
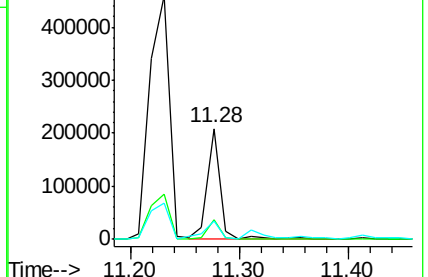
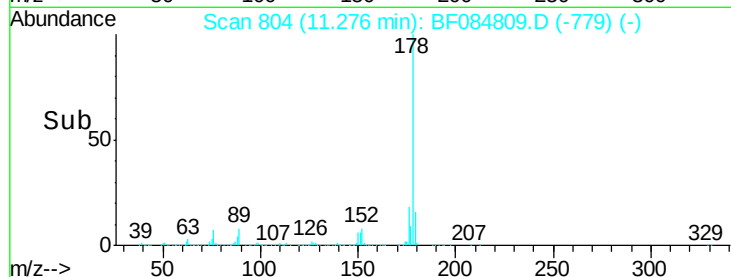
179 16.1 12.5 18.7



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



#72

Carbazole

Concen: 2.10 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

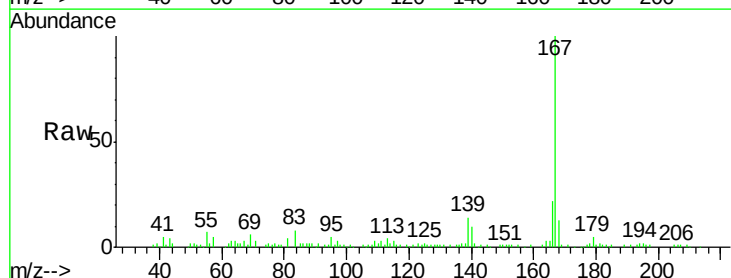
Tgt Ion:167 Resp: 62454

Ion Ratio Lower Upper

167 100

166 22.0 17.6 26.4

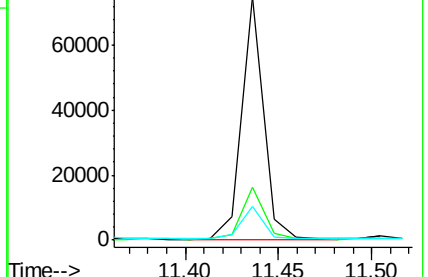
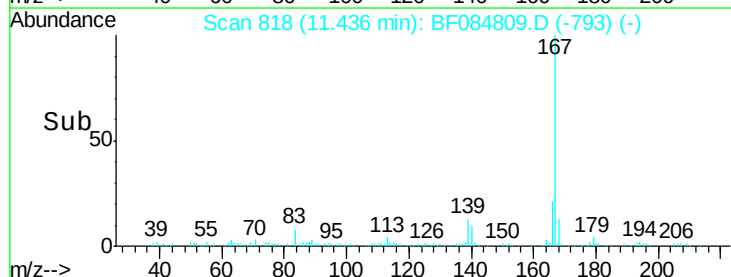
139 13.6 11.8 17.8

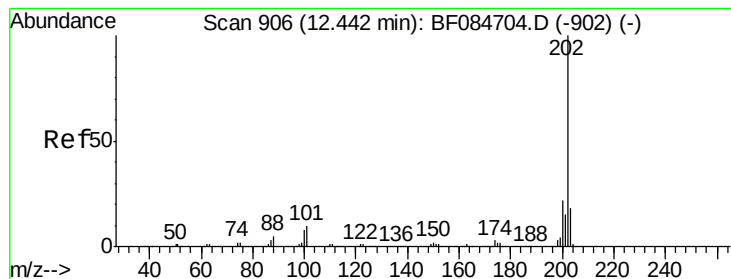


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 10.57 ng

RT: 12.41 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Instrument :

BNA_F

ClientSampleId :

SUP-B036(20-22)

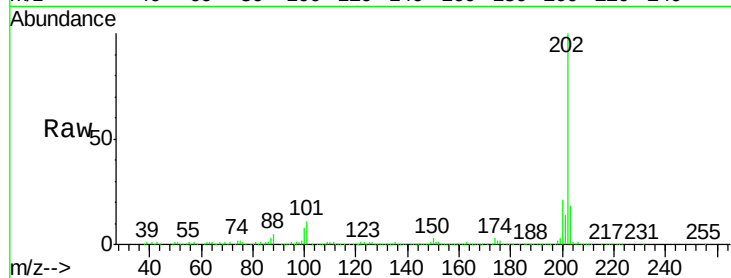
Tgt Ion:202 Resp: 362218

Ion Ratio Lower Upper

202 100

101 11.0 0.0 32.8

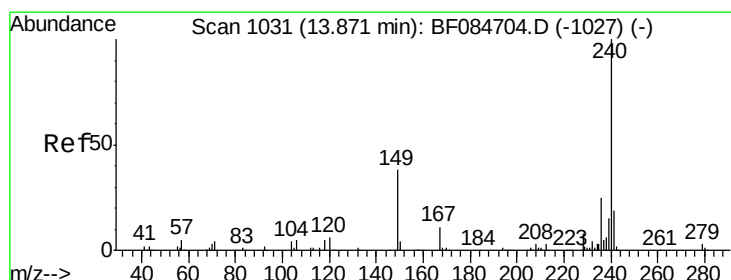
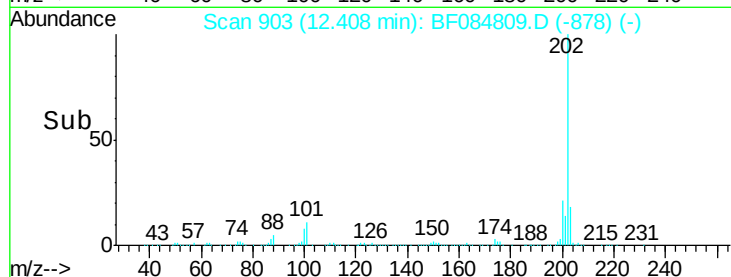
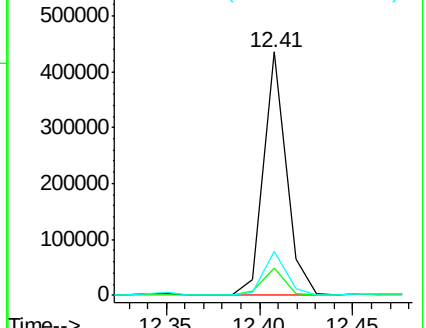
203 17.8 0.0 37.9



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: 13.84 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

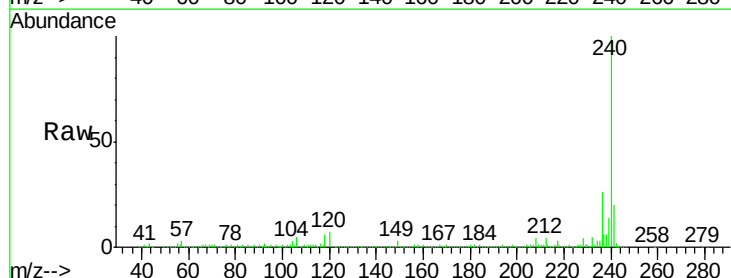
Tgt Ion:240 Resp: 468944

Ion Ratio Lower Upper

240 100

120 7.4 9.5 14.3#

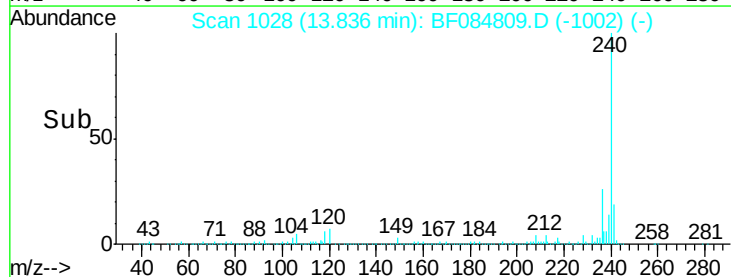
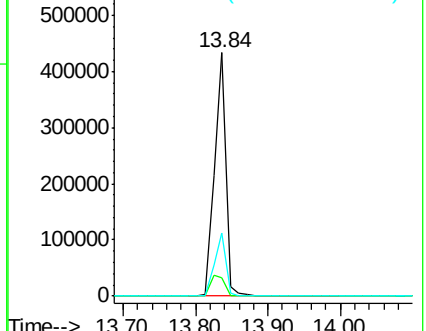
236 26.0 20.6 31.0

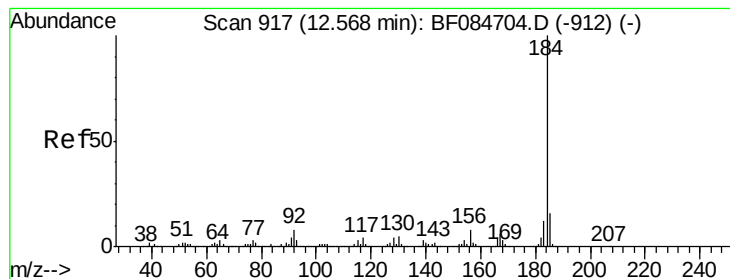


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.92 ng

RT: 12.34 min Scan# 897

Delta R.T. -0.21 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Instrument :

BNA_F

ClientSampleId :

SUP-B036(20-22)

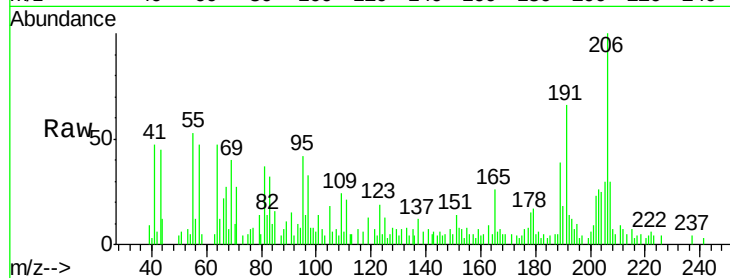
Tgt Ion:184 Resp: 658

Ion Ratio Lower Upper

184 100

185 120.5 12.2 18.2#

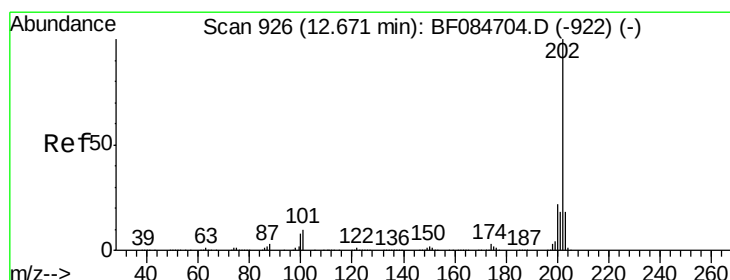
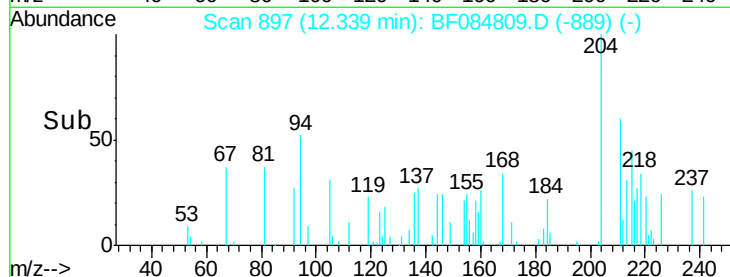
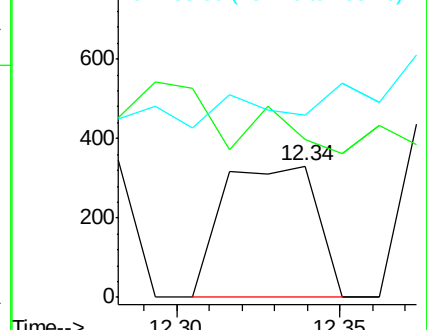
183 138.7 9.8 14.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 9.68 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

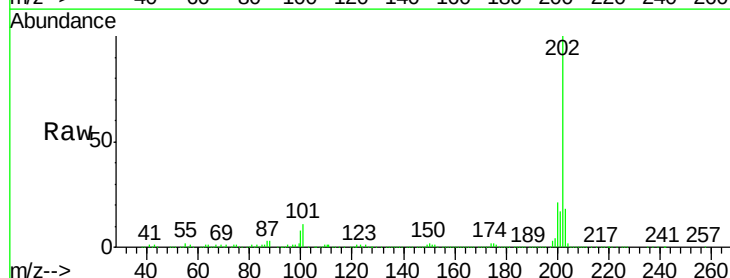
Tgt Ion:202 Resp: 347562

Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

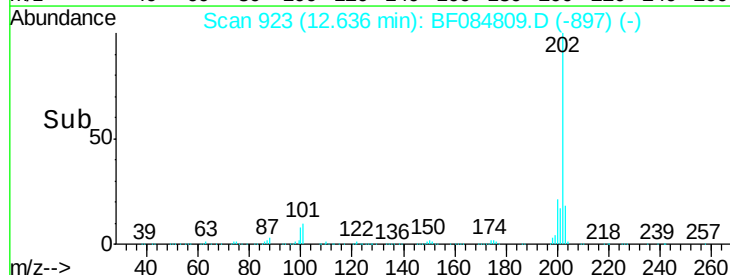
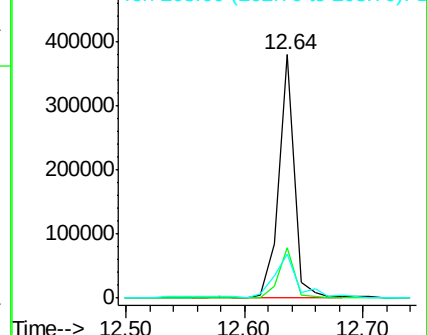
203 18.1 14.3 21.5

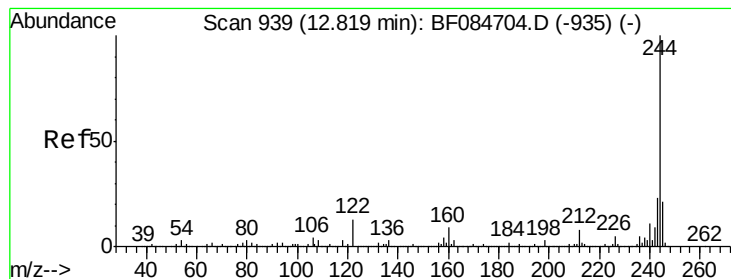


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 83.81 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Instrument :

BNA_F

ClientSampleId :

SUP-B036(20-22)

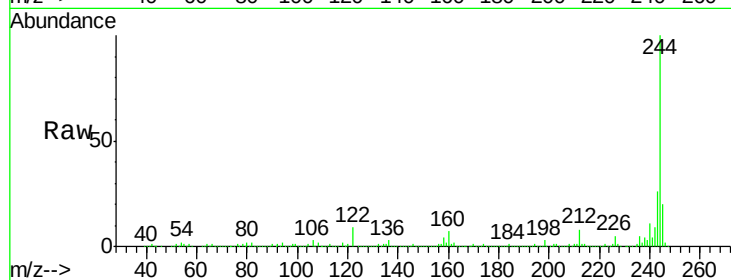
Tgt Ion:244 Resp: 1734327

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

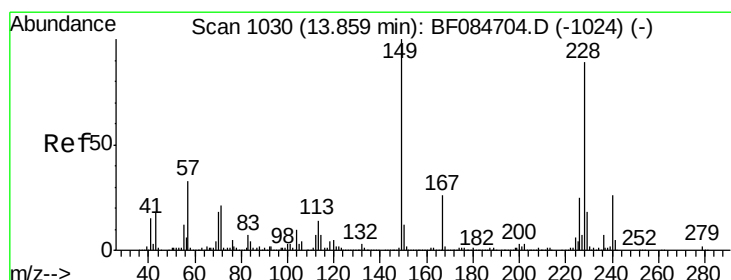
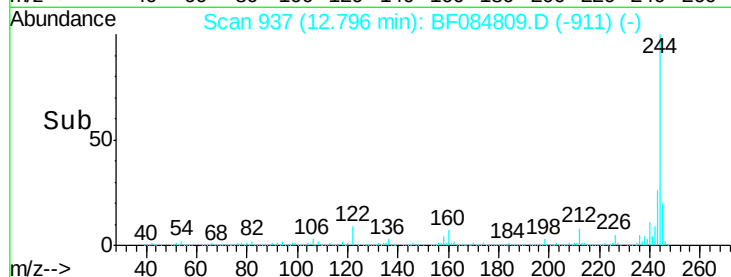
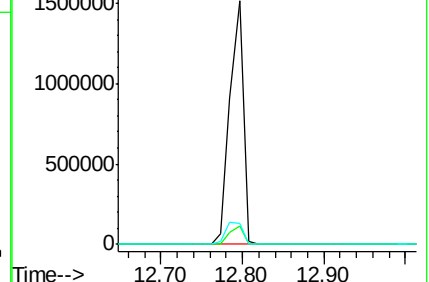
122 8.8 7.4 11.0



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: 5.08 ng

RT: 13.83 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

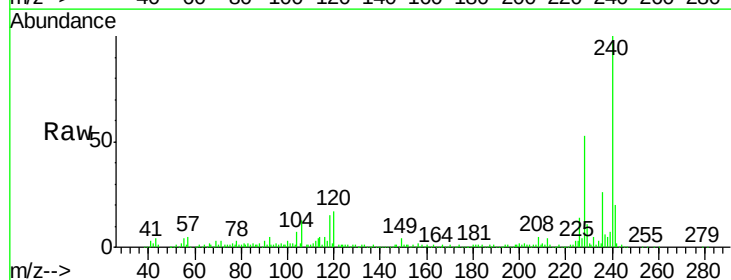
Tgt Ion:228 Resp: 147712

Ion Ratio Lower Upper

228 100

226 26.6 21.8 32.6

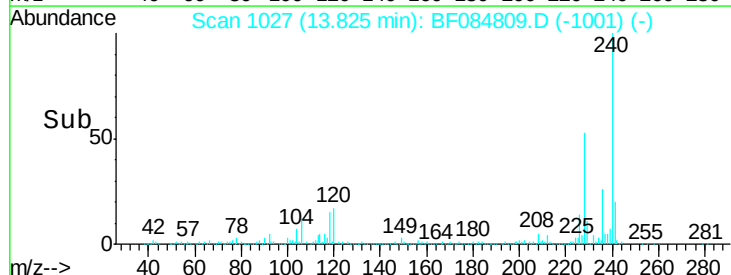
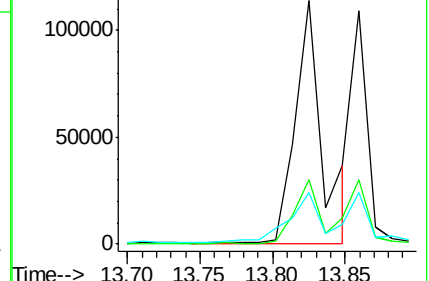
229 21.3 15.8 23.8

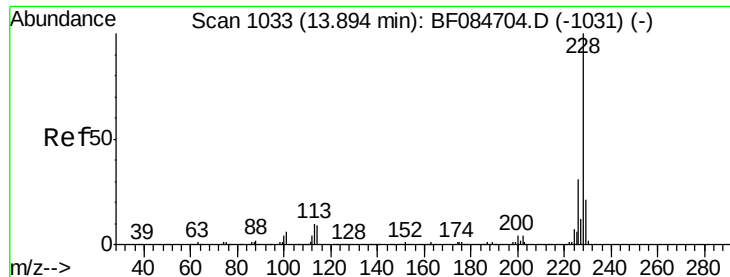


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.23 ng

RT: 13.83 min Scan# 1027

Delta R.T. -0.03 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Instrument :

BNA_F

ClientSampleId :

SUP-B036(20-22)

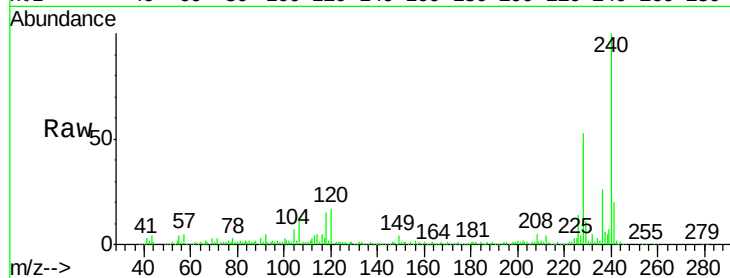
Tgt Ion:228 Resp: 147712

Ion Ratio Lower Upper

228 100

226 26.6 24.3 36.5

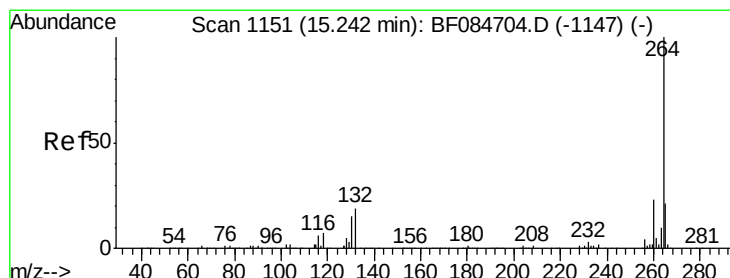
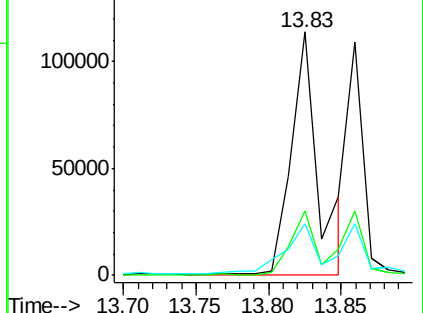
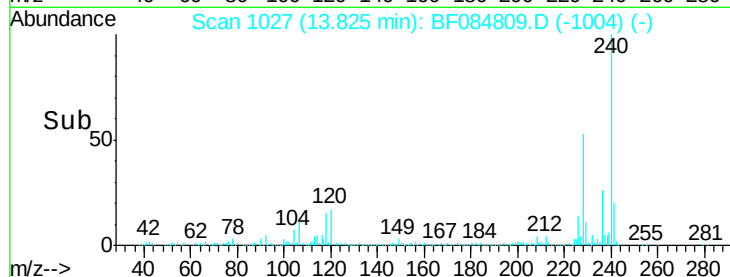
229 21.3 16.1 24.1



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.21 min Scan# 1148

Delta R.T. -0.00 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

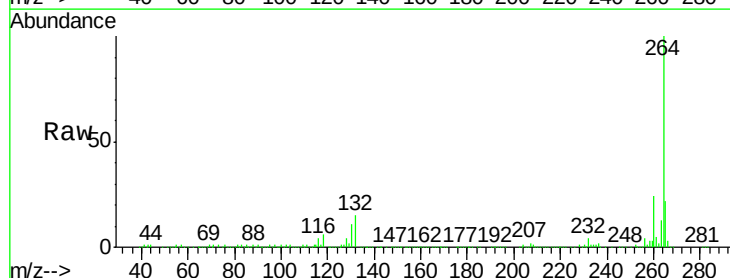
Tgt Ion:264 Resp: 350682

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

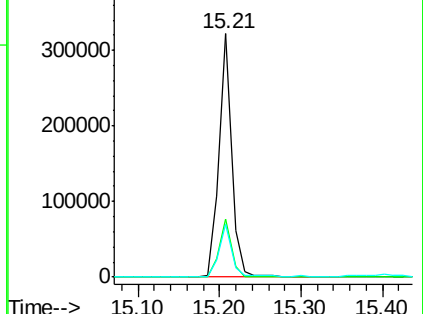
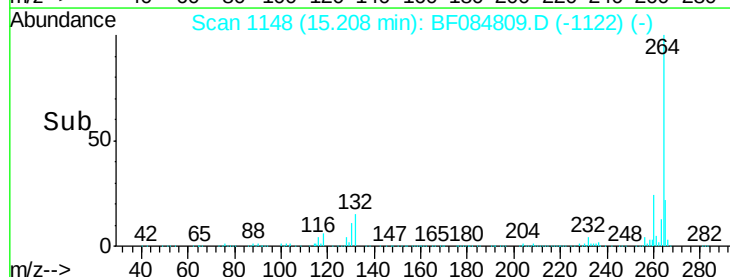
265 21.7 17.8 26.6

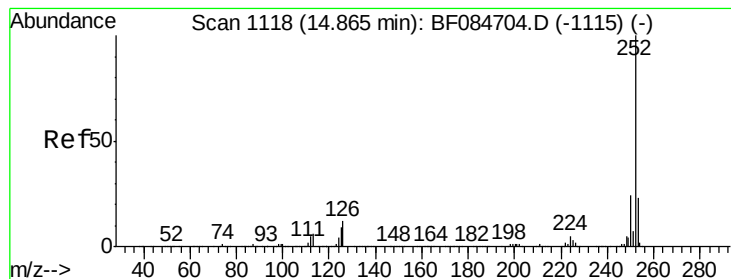


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.40 ng

RT: 14.83 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

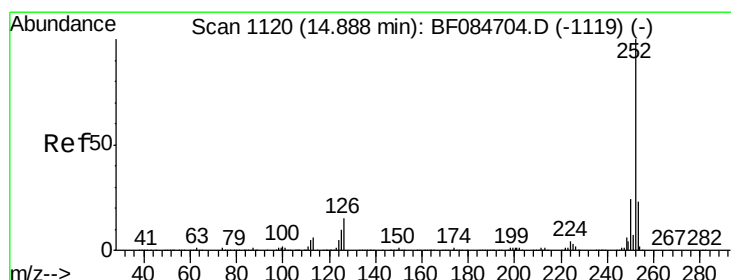
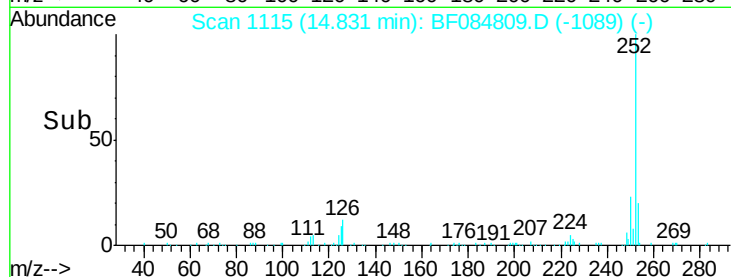
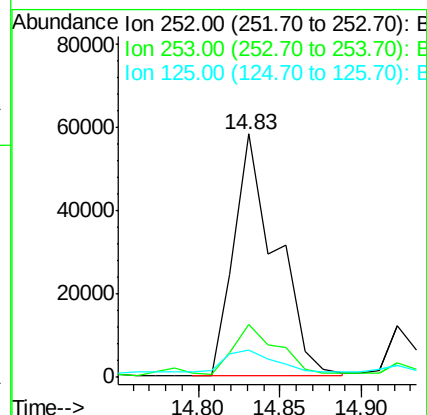
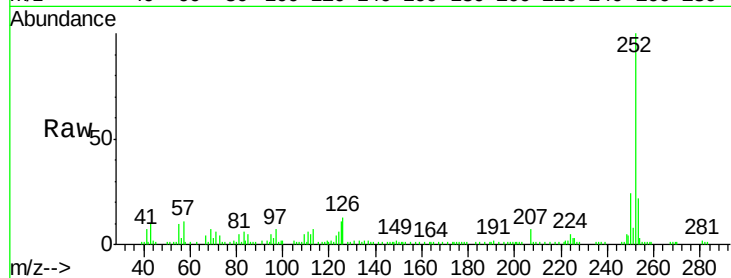
Instrument :

BNA_F

ClientSampleId :

SUP-B036(20-22)

Tgt Ion:	252	Resp:	103734
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.3	25.9
125	11.4	6.5	9.7#



#88

Benzo(k)fluoranthene

Concen: 5.32 ng

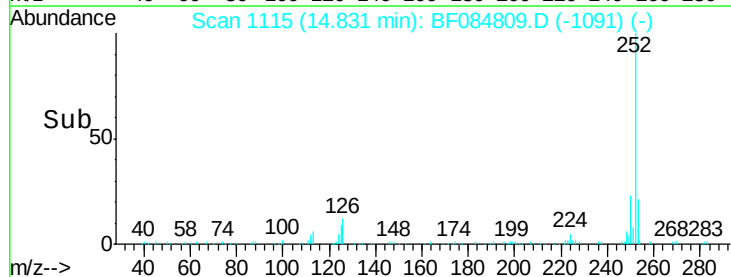
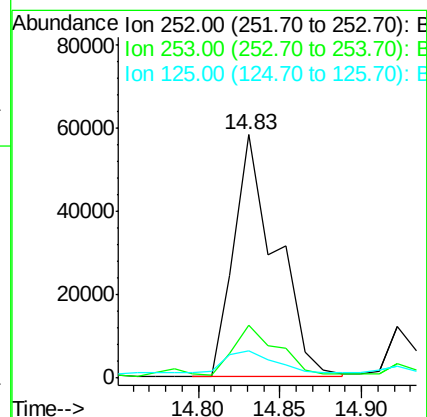
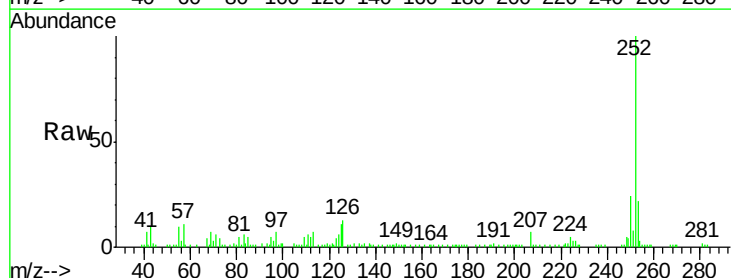
RT: 14.83 min Scan# 1115

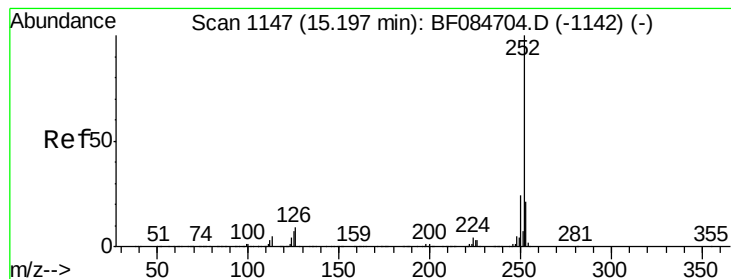
Delta R.T. -0.02 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Tgt Ion:	252	Resp:	103734
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.1	27.1
125	11.4	9.0	13.6





#89
 Benzo(a)pyrene
 Concen: 3.20 ng
 RT: 15.15 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: BF084809.D
 Acq: 4 Feb 2016 2:44

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B036(20-22)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	10.5	7.0	10.4

