

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
 Data File : BF084881.D
 Acq On : 6 Feb 2016 1:10
 Operator : SJ/IZ
 Sample : H1311-14 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B008(0-2)

Quant Time: Feb 06 03:39:47 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

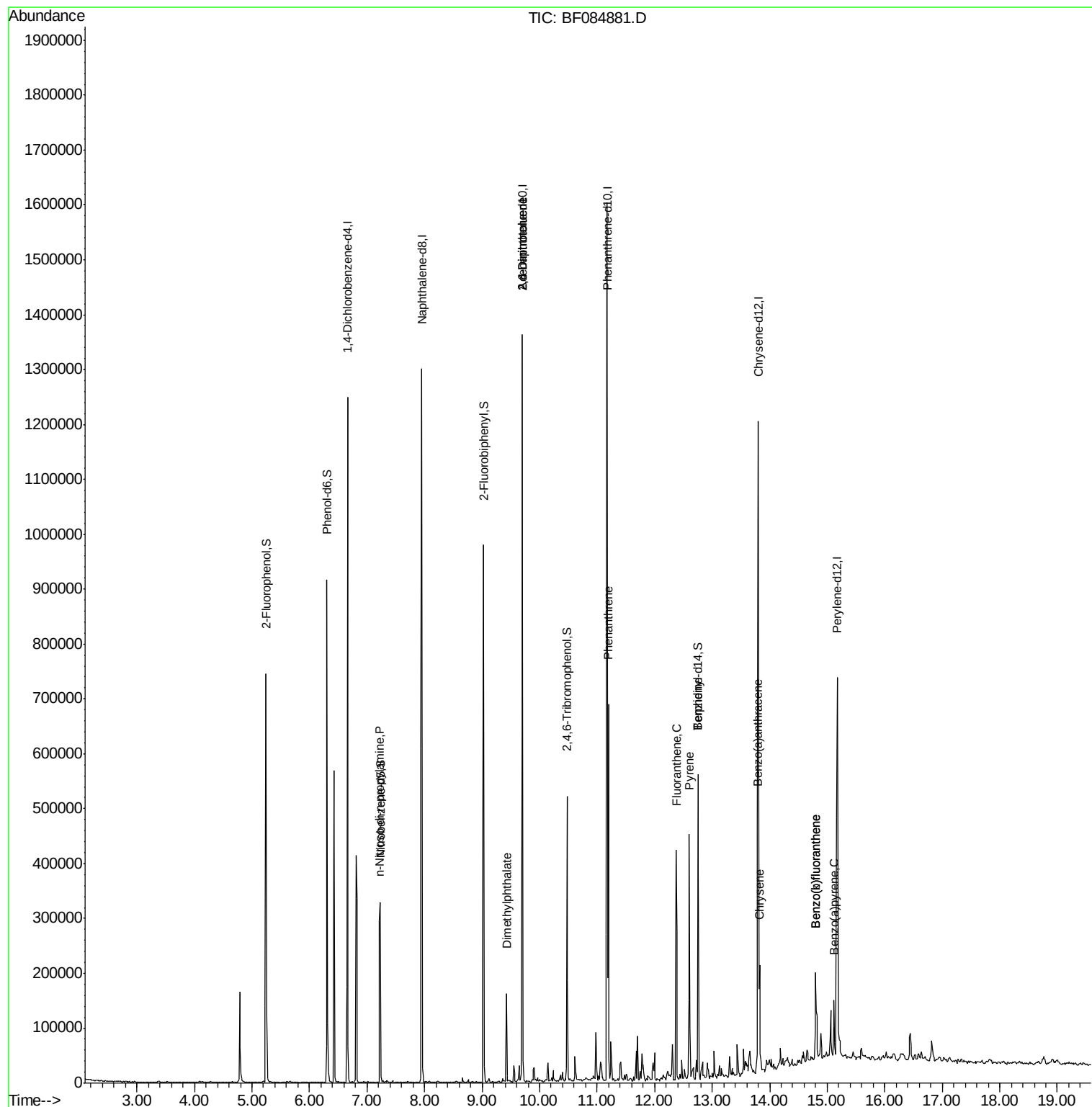
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	165111	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	679053	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	300627	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	545734	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	368612	20.00	ng	-0.03
86) Perylene-d12	15.17	264	325428	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	208839	19.70	ng	-0.03
7) Phenol-d6	6.30	99	277422	21.11	ng	-0.03
23) Nitrobenzene-d5	7.23	82	149132	12.37	ng	-0.03
41) 2,4,6-Tribromophenol	10.48	330	57691	18.40	ng	-0.05
44) 2-Fluorobiphenyl	9.02	172	284254	11.52	ng	-0.03
78) Terphenyl-d14	12.75	244	215901	13.27	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.22	70	19074	2.32	ng	# 65
49) Dimethylphthalate	9.42	163	59964	2.62	ng	# 90
50) 2,6-Dinitrotoluene	9.70	165	38828	7.76	ng	# 37
56) 2,4-Dinitrotoluene	9.70	165	38828	6.09	ng	# 21
70) Phenanthrene	11.20	178	241001	7.96	ng	99
74) Fluoranthene	12.37	202	215492	7.03	ng	97
76) Benzydine	12.75	184	2551	7.02	ng	# 87
77) Pyrene	12.60	202	167232	5.93	ng	98
80) Benzo(a)anthracene	13.79	228	89466	3.91	ng	97
82) Chrysene	13.83	228	60344	2.72	ng	97
87) Benzo(b)fluoranthene	14.80	252	97539	4.46	ng	# 95
88) Benzo(k)fluoranthene	14.80	252	97539	5.40	ng	99
89) Benzo(a)pyrene	15.12	252	47548	2.55	ng	97

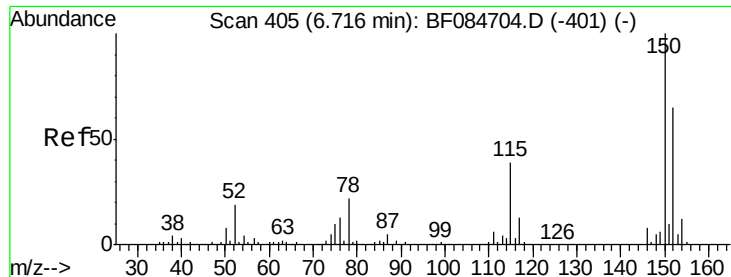
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084881.D

Acq: 6 Feb 2016 1:10

Instrument :

BNA_F

ClientSampleId :

SUP-B008(0-2)

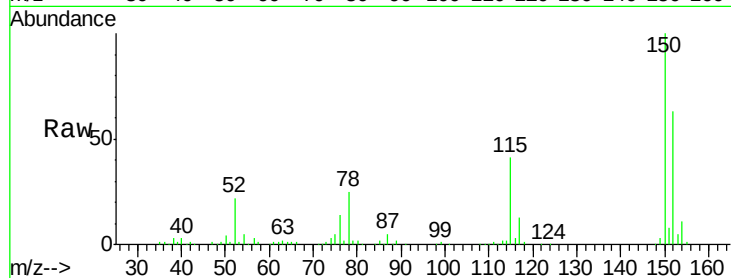
Tgt Ion:152 Resp: 165111

Ion Ratio Lower Upper

152 100

150 159.6 123.0 184.4

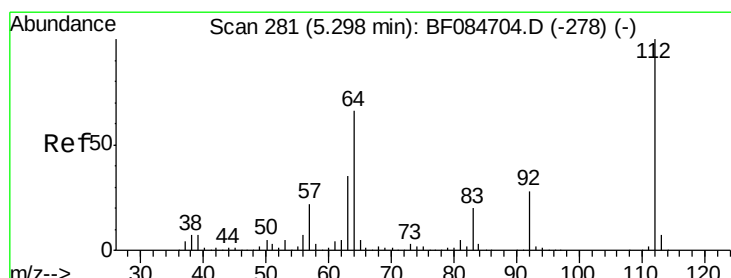
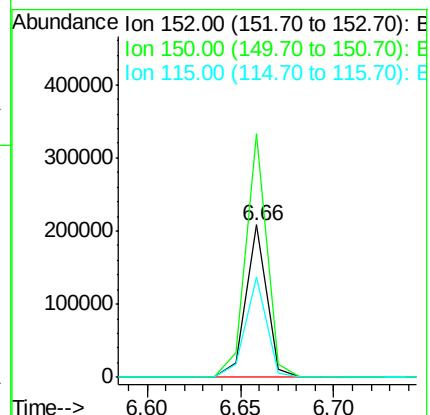
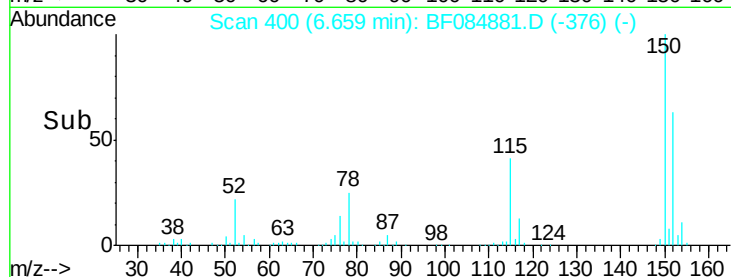
115 65.5 51.4 77.2



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: 19.70 ng

RT: 5.24 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF084881.D

Acq: 6 Feb 2016 1:10

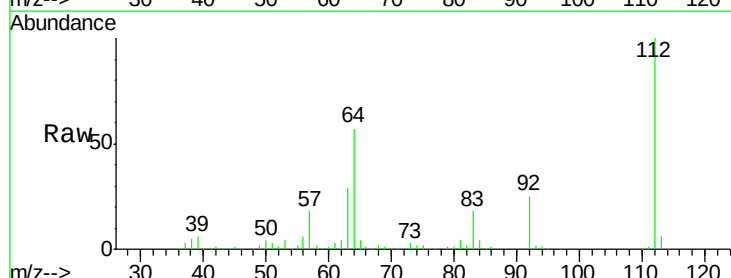
Tgt Ion:112 Resp: 208839

Ion Ratio Lower Upper

112 100

64 56.7 36.6 55.0#

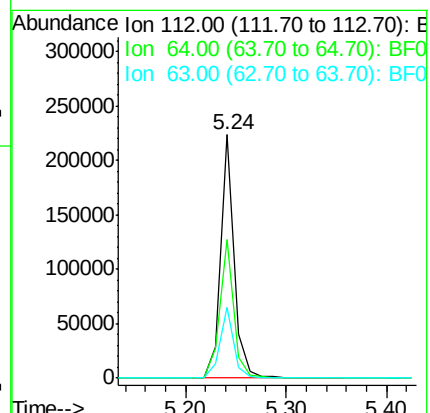
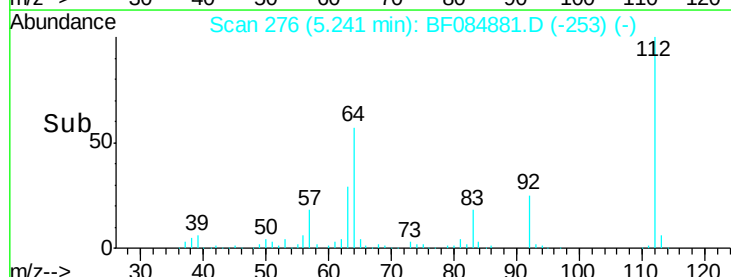
63 28.9 19.4 29.0

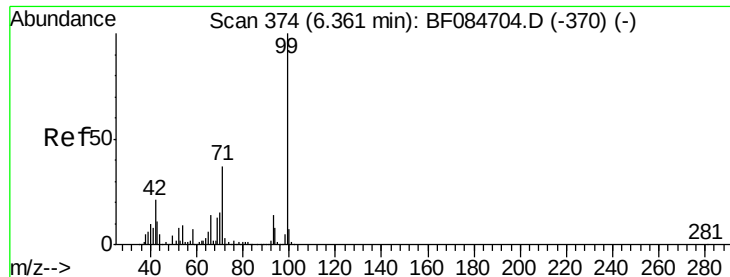


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.11 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084881.D

Acq: 6 Feb 2016 1:10

Instrument :

BNA_F

ClientSampleId :

SUP-B008(0-2)

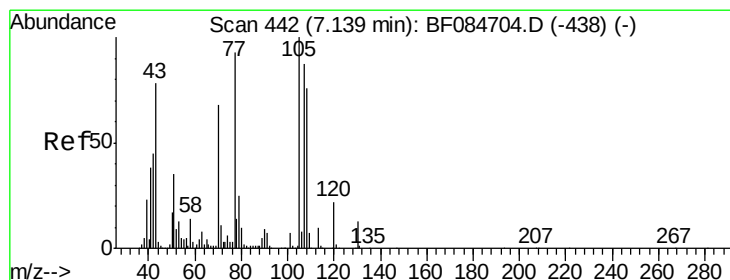
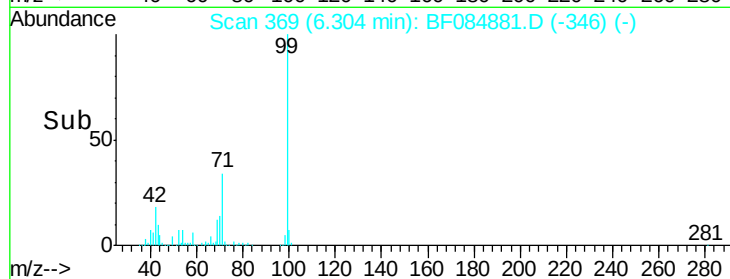
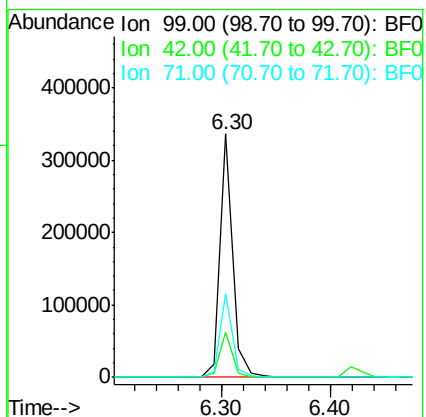
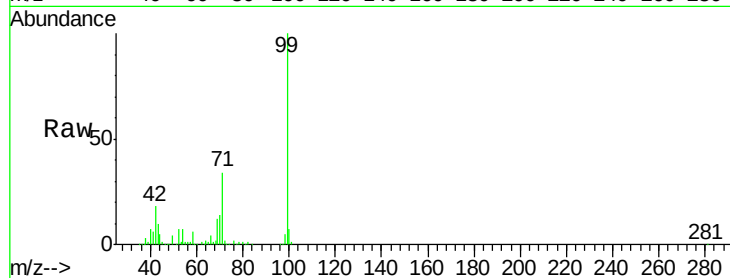
Tgt Ion: 99 Resp: 277422

Ion Ratio Lower Upper

99 100

42 18.3 12.8 19.2

71 34.3 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.32 ng

RT: 7.22 min Scan# 449

Delta R.T. 0.10 min

Lab File: BF084881.D

Acq: 6 Feb 2016 1:10

Tgt Ion: 70 Resp: 19074

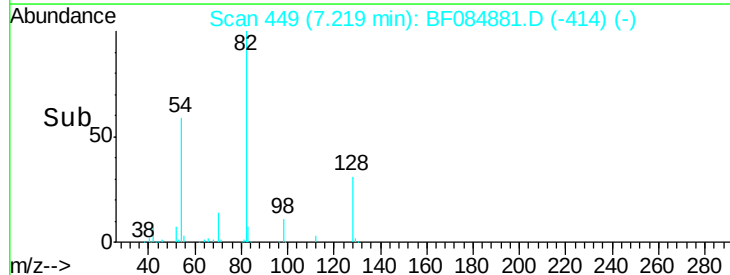
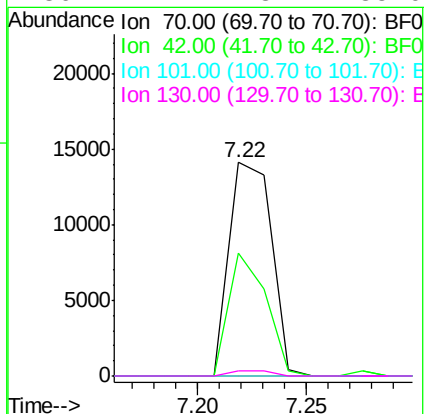
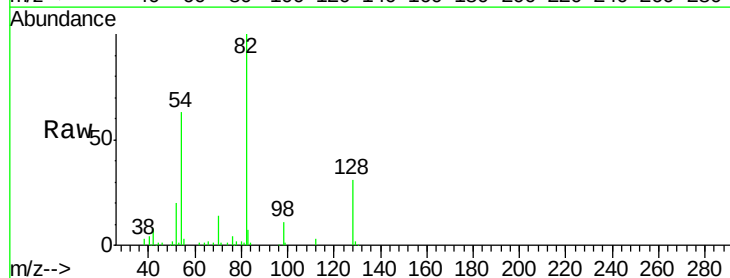
Ion Ratio Lower Upper

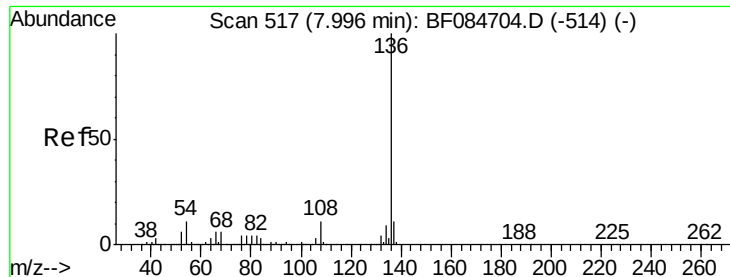
70 100

42 57.4 33.3 49.9#

101 0.0 9.3 13.9#

130 2.4 23.4 35.0#

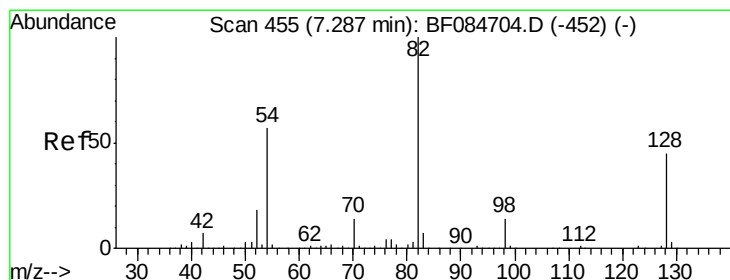
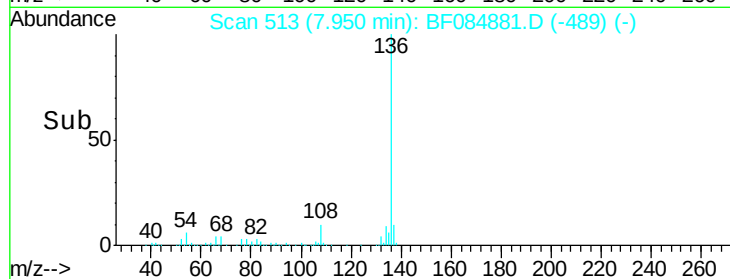
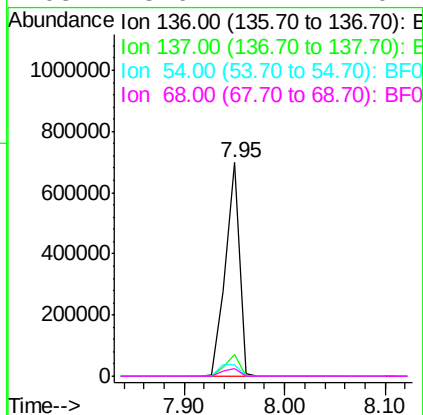
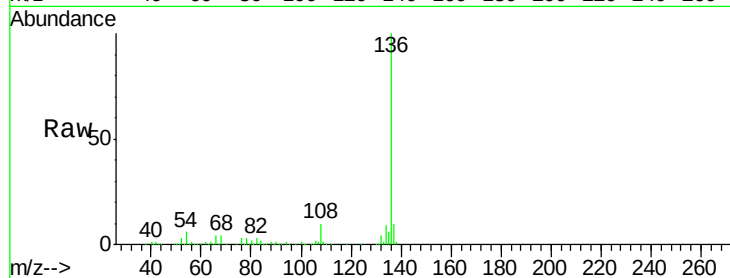




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF084881.D
Acq: 6 Feb 2016 1:10

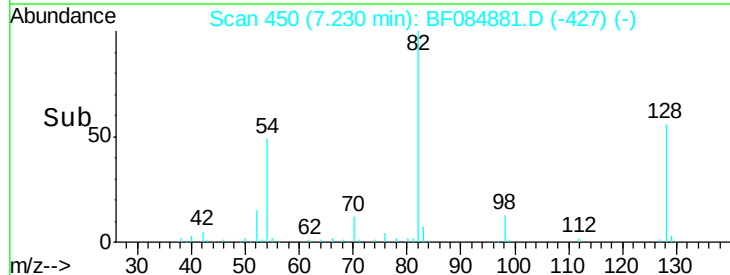
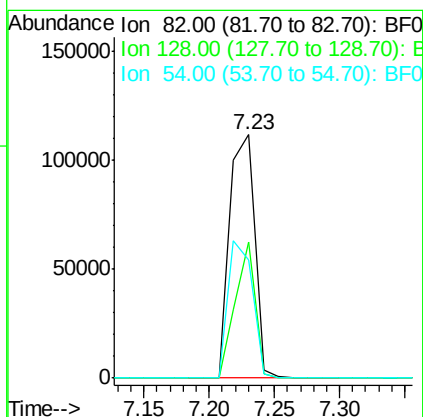
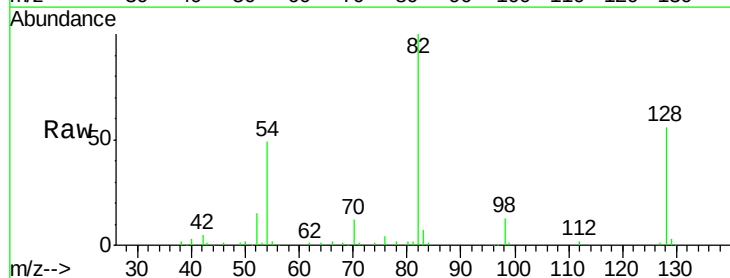
Instrument :
BNA_F
ClientSampleId :
SUP-B008(0-2)

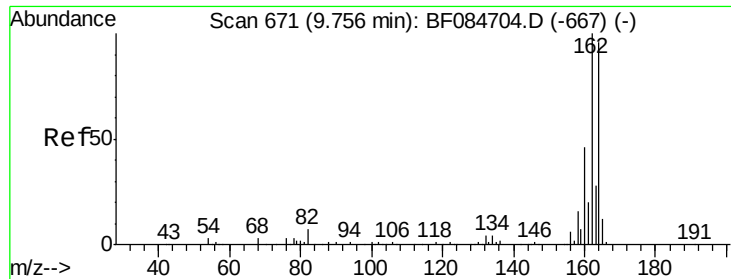
Tgt Ion:	136	Resp:	679053
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.7	13.1
54	5.6	5.8	8.8#
68	3.6	4.2	6.2#



#23
Nitrobenzene-d5
Concen: 12.37 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.03 min
Lab File: BF084881.D
Acq: 6 Feb 2016 1:10

Tgt Ion:	82	Resp:	149132
Ion	Ratio	Lower	Upper
82	100		
128	55.8	34.6	51.8#
54	48.5	38.4	57.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF084881.D

Acq: 6 Feb 2016 1:10

Instrument :

BNA_F

ClientSampleId :

SUP-B008(0-2)

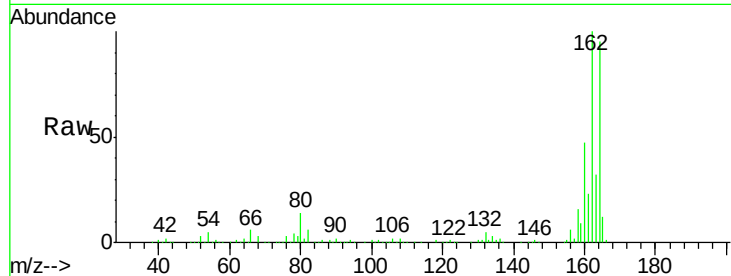
Tgt Ion:164 Resp: 300627

Ion Ratio Lower Upper

164 100

162 105.4 85.1 127.7

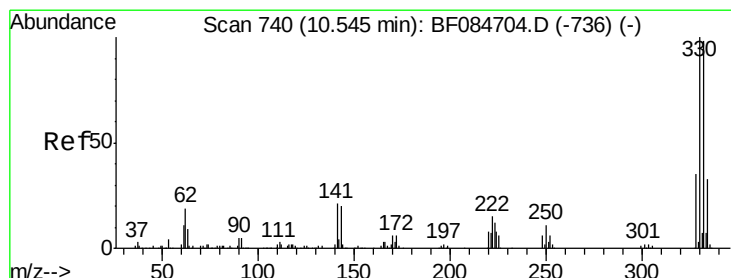
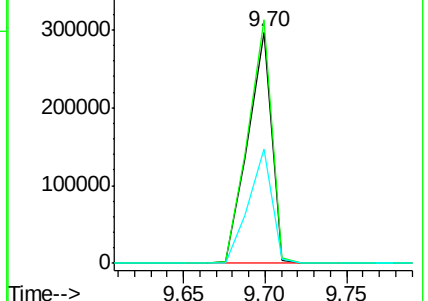
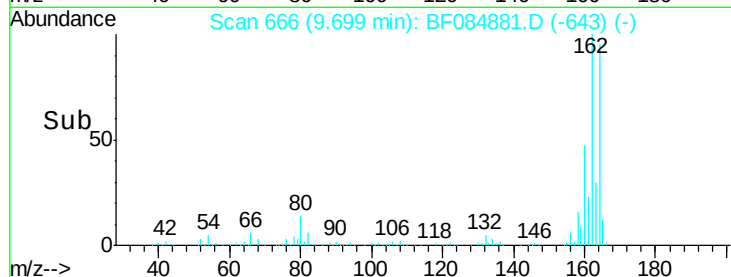
160 49.3 37.5 56.3



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: 18.40 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.05 min

Lab File: BF084881.D

Acq: 6 Feb 2016 1:10

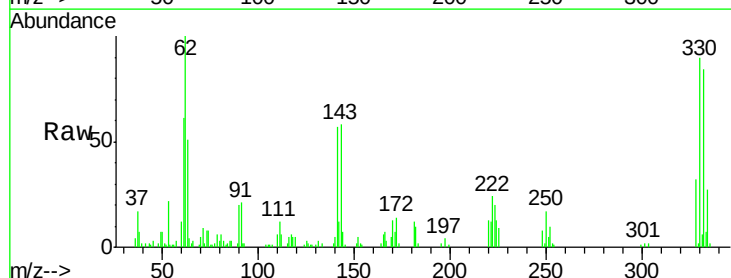
Tgt Ion:330 Resp: 57691

Ion Ratio Lower Upper

330 100

332 93.6 76.6 114.8

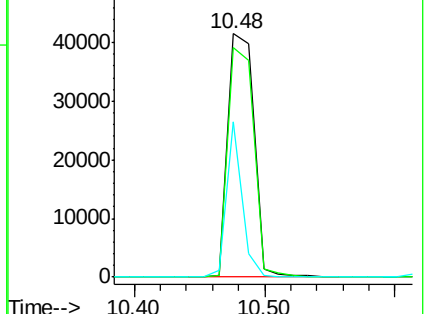
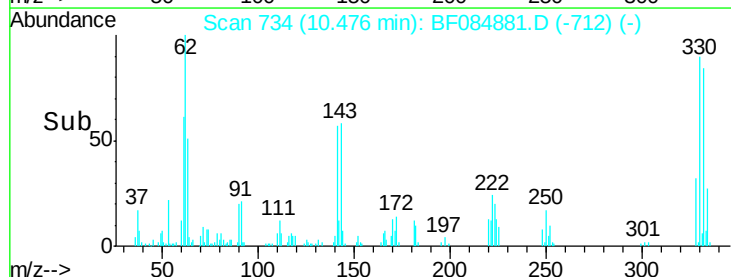
141 38.2 27.8 41.6

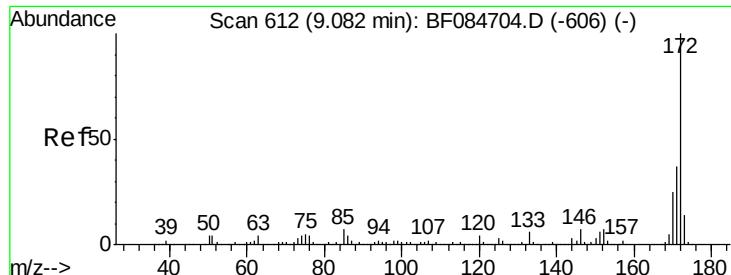


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

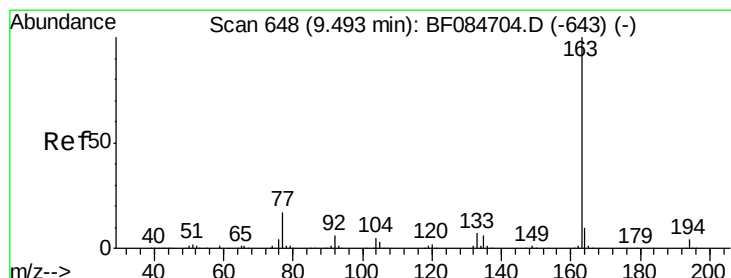
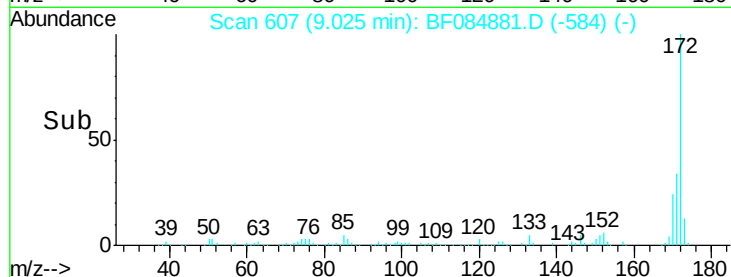
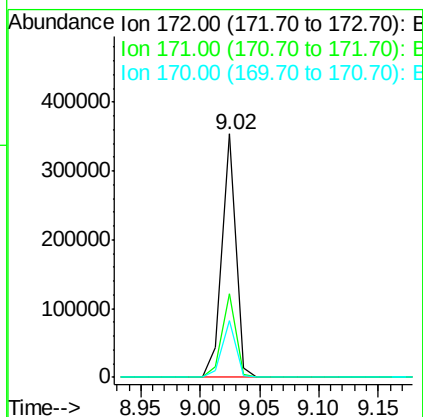
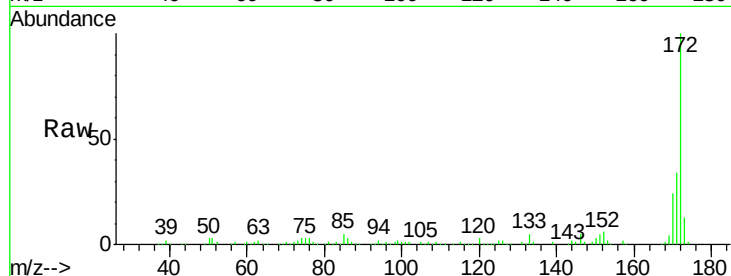




#44
 2-Fluorobiphenyl
 Concen: 11.52 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084881.D
 Acq: 6 Feb 2016 1:10

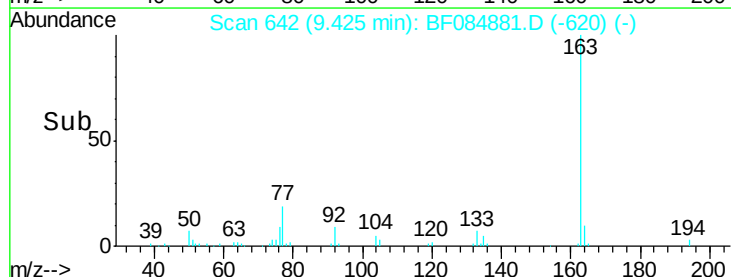
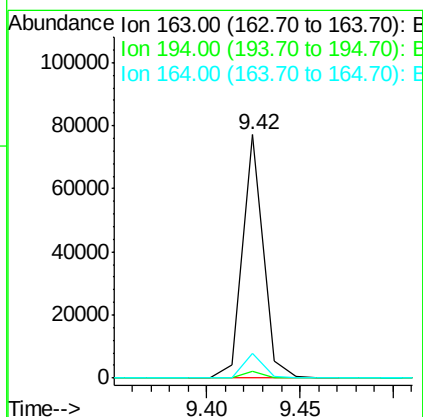
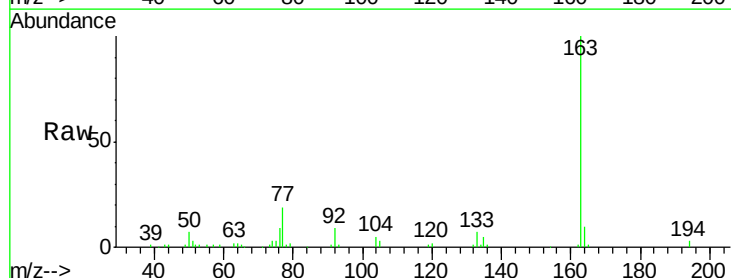
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B008(0-2)

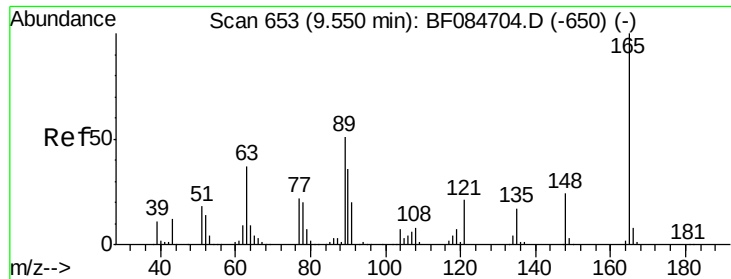
Tgt Ion:172 Resp: 284254
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.9 43.3
 170 23.6 18.6 27.8



#49
 Dimethylphthalate
 Concen: 2.62 ng
 RT: 9.42 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF084881.D
 Acq: 6 Feb 2016 1:10

Tgt Ion:163 Resp: 59964
 Ion Ratio Lower Upper
 163 100
 194 2.8 8.0 12.0#
 164 9.9 8.0 12.0

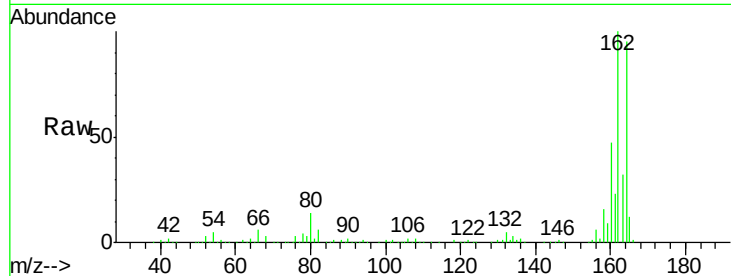




#50
 2,6-Dinitrotoluene
 Concen: 7.76 ng
 RT: 9.70 min Scan# 666
 Delta R.T. 0.17 min
 Lab File: BF084881.D
 Acq: 6 Feb 2016 1:10

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B008(0-2)

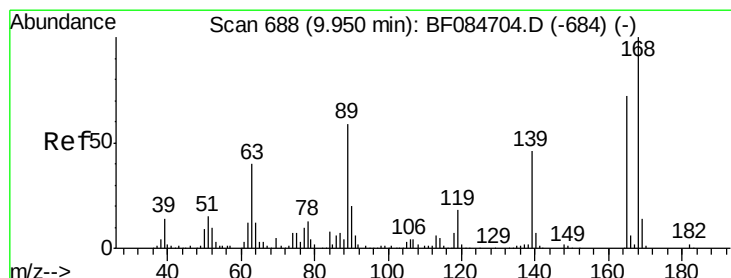
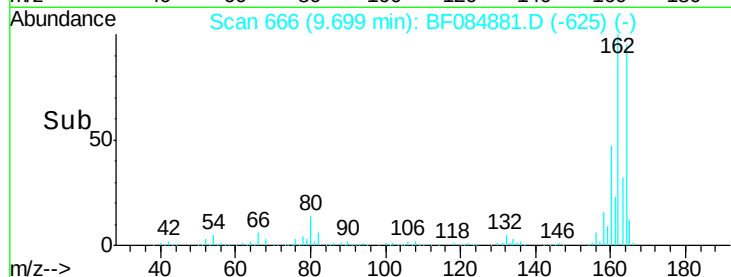
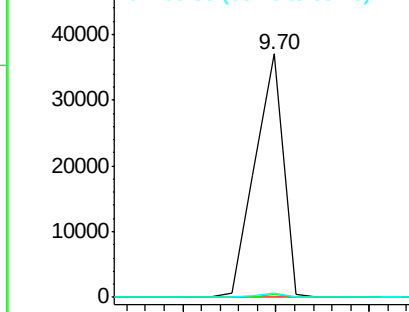
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.8	43.2#
89	1.6	35.1	52.7#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.09 ng
 RT: 9.70 min Scan# 666
 Delta R.T. -0.23 min
 Lab File: BF084881.D
 Acq: 6 Feb 2016 1:10

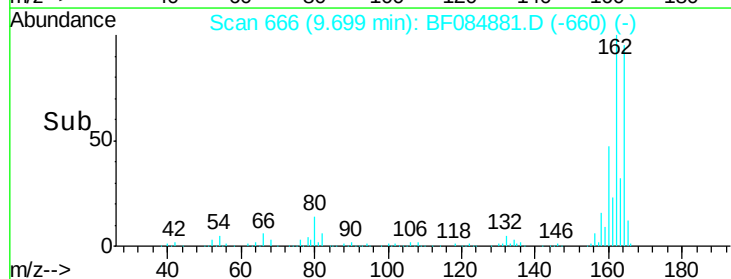
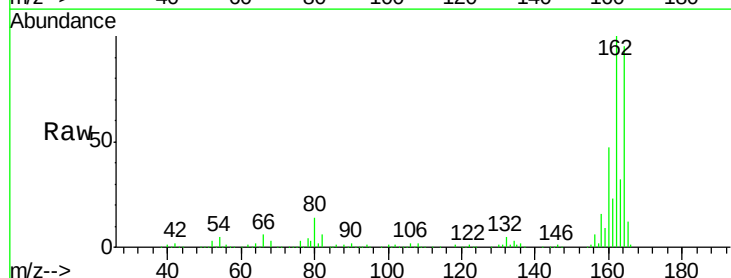
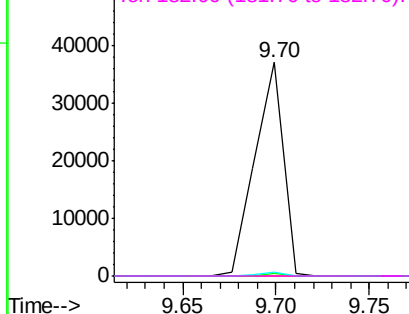
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.7	55.1#
89	1.6	61.9	92.9#
182	0.0	2.0	3.0#

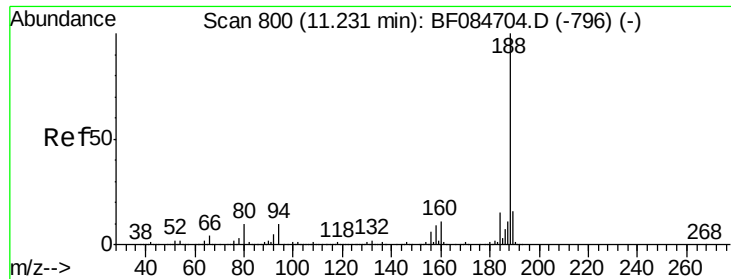
Abundance Ion 165.00 (164.70 to 165.70): E

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

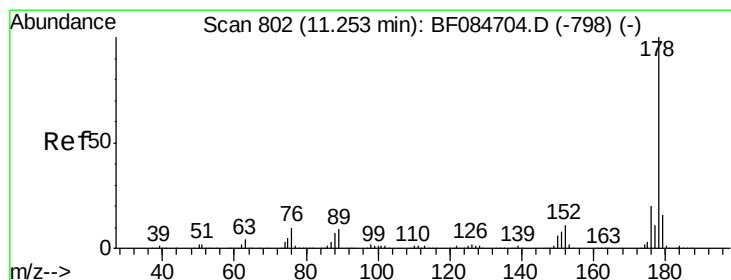
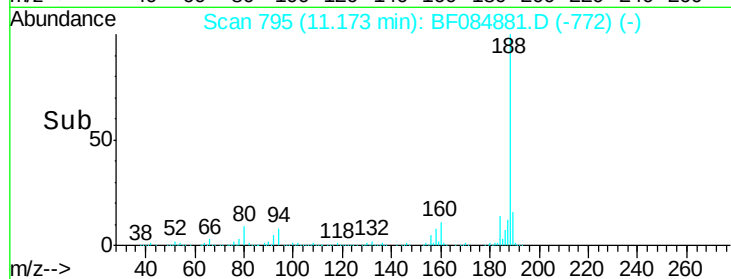
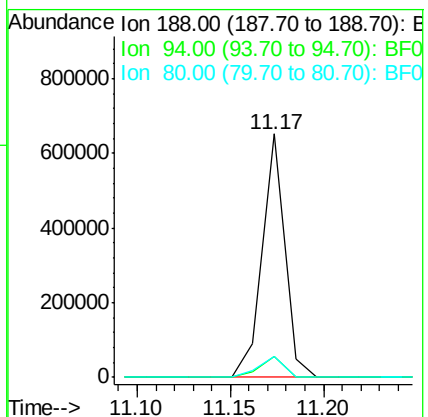
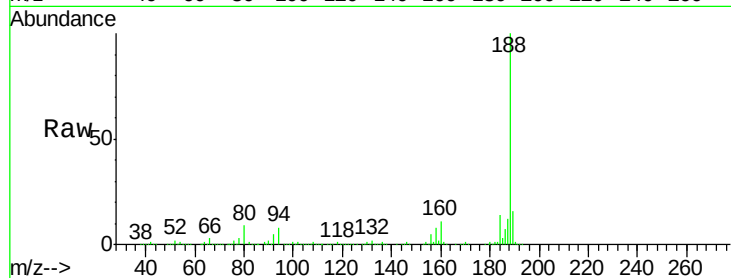




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF084881.D
Acq: 6 Feb 2016 1:10

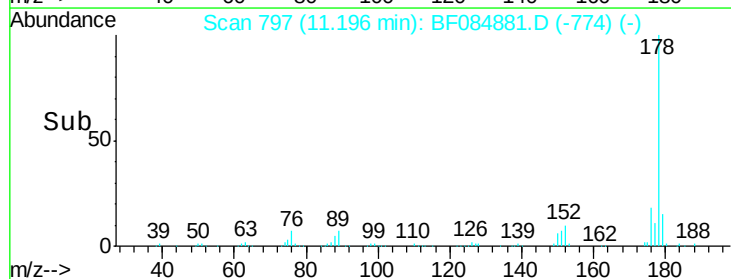
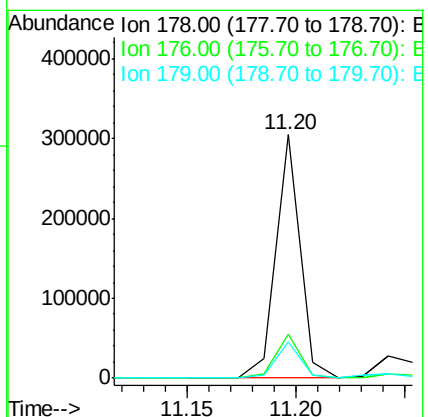
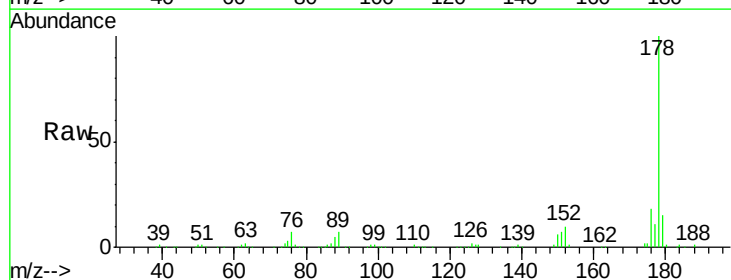
Instrument :
BNA_F
ClientSampleId :
SUP-B008(0-2)

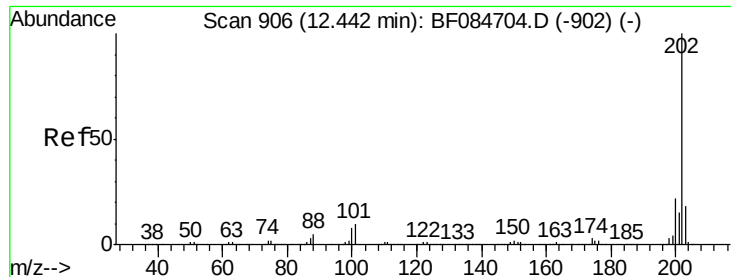
Tgt Ion:188 Resp: 545734
Ion Ratio Lower Upper
188 100
94 8.3 9.0 13.4#
80 8.7 9.6 14.4#



#70
Phenanthrene
Concen: 7.96 ng
RT: 11.20 min Scan# 797
Delta R.T. -0.03 min
Lab File: BF084881.D
Acq: 6 Feb 2016 1:10

Tgt Ion:178 Resp: 241001
Ion Ratio Lower Upper
178 100
176 18.1 15.3 22.9
179 15.1 12.0 18.0

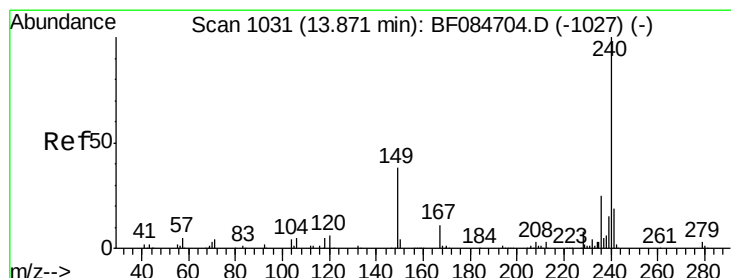
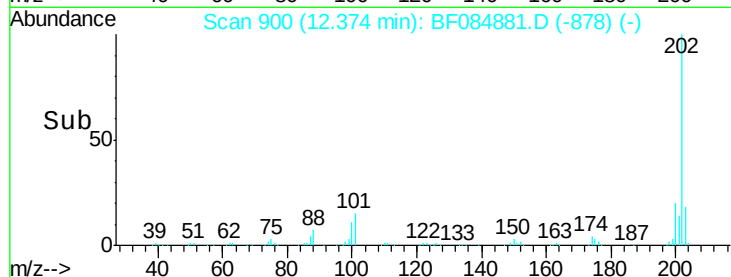
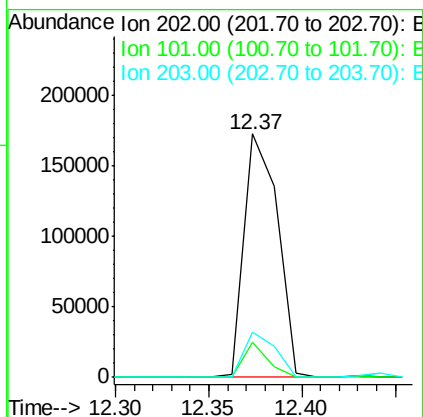
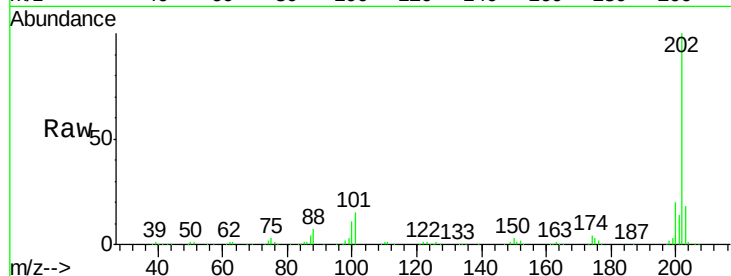




#74
Fluoranthene
Concen: 7.03 ng
RT: 12.37 min Scan# 900
Delta R.T. -0.05 min
Lab File: BF084881.D
Acq: 6 Feb 2016 1:10

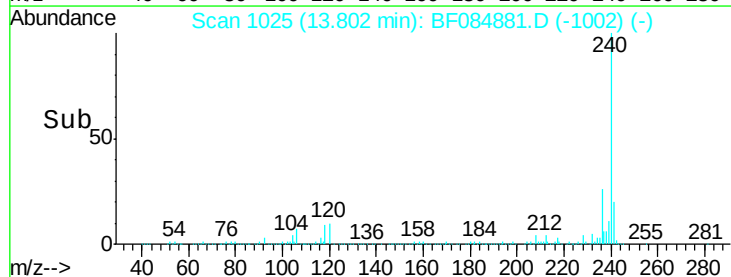
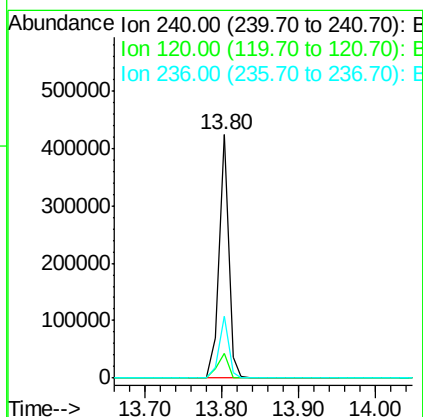
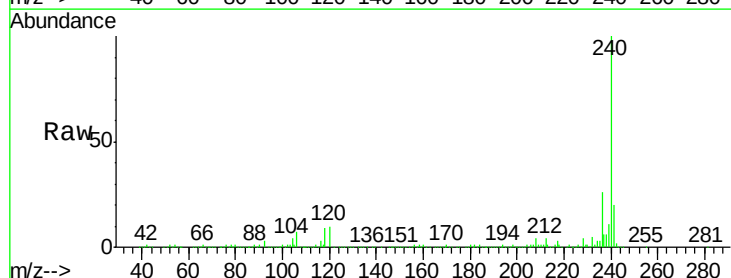
Instrument :
BNA_F
ClientSampleId :
SUP-B008(0-2)

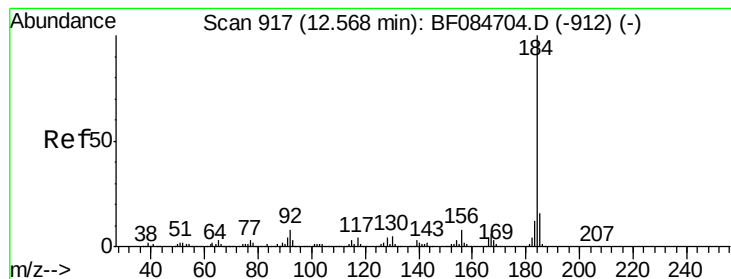
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	32.8
203	18.5	0.0	37.9



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.80 min Scan# 1025
Delta R.T. -0.03 min
Lab File: BF084881.D
Acq: 6 Feb 2016 1:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.5	14.3
236	25.7	20.6	31.0





#76

Benzidine

Concen: 7.02 ng

RT: 12.75 min Scan# 933

Delta R.T. 0.21 min

Lab File: BF084881.D

Acq: 6 Feb 2016 1:10

Instrument :

BNA_F

ClientSampleId :

SUP-B008(0-2)

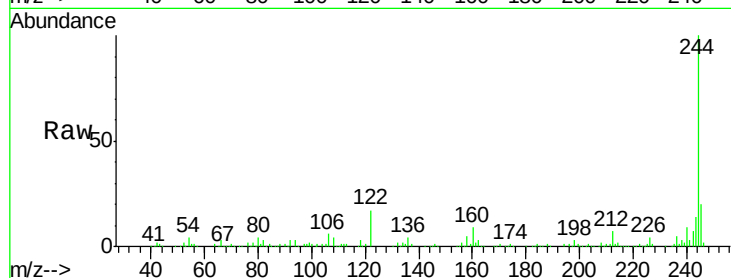
Tgt Ion:184 Resp: 2551

Ion Ratio Lower Upper

184 100

185 24.0 12.2 18.2#

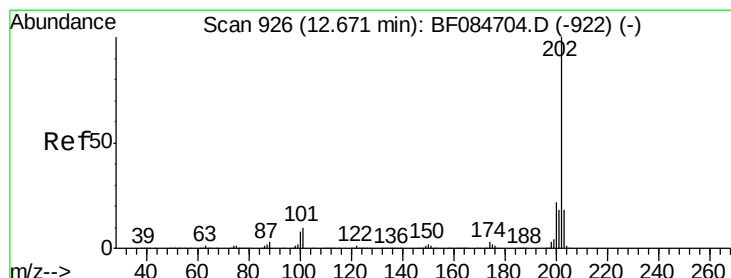
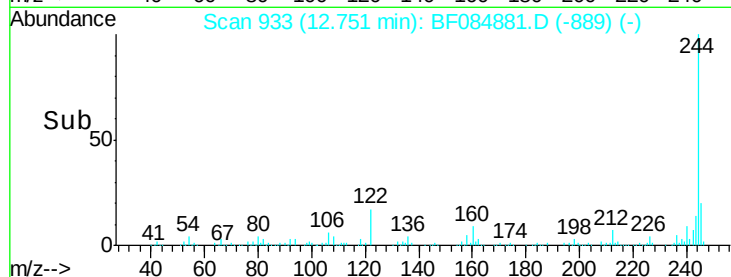
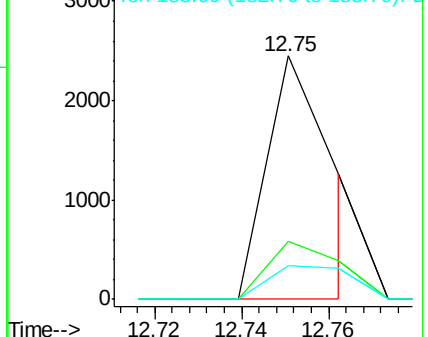
183 13.6 9.8 14.8



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: 5.93 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF084881.D

Acq: 6 Feb 2016 1:10

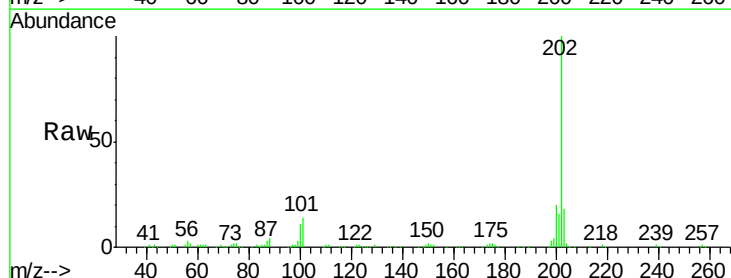
Tgt Ion:202 Resp: 167232

Ion Ratio Lower Upper

202 100

200 20.3 17.2 25.8

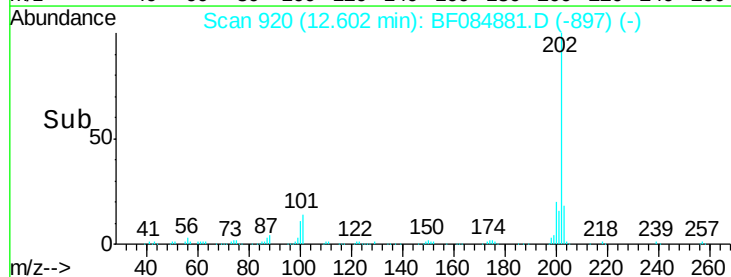
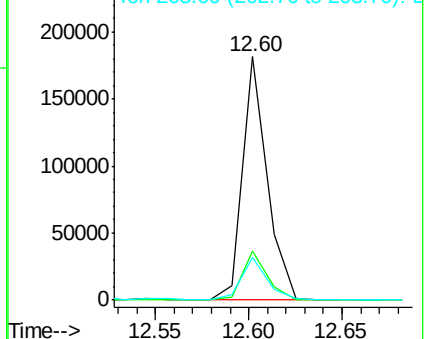
203 17.6 14.3 21.5

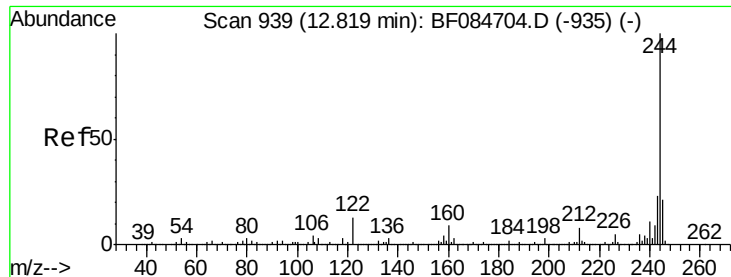


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.27 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.05 min

Lab File: BF084881.D

Acq: 6 Feb 2016 1:10

Instrument :

BNA_F

ClientSampleId :

SUP-B008(0-2)

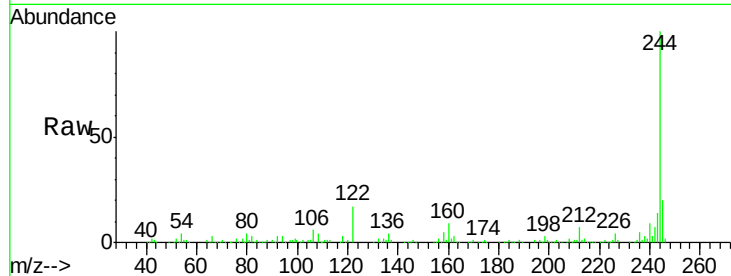
Tgt Ion:244 Resp: 215901

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

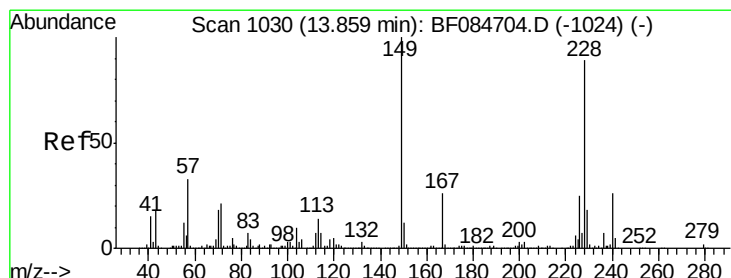
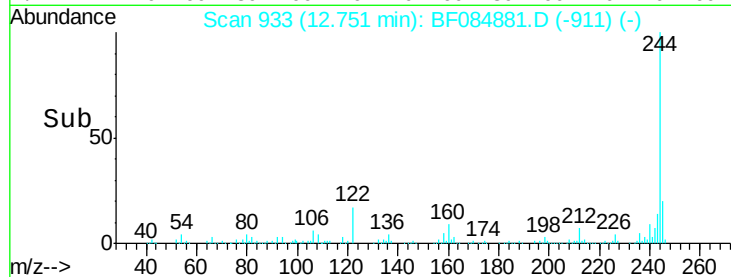
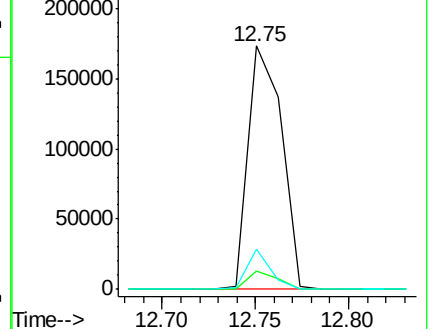
122 16.6 7.4 11.0#



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: 3.91 ng

RT: 13.79 min Scan# 1024

Delta R.T. -0.03 min

Lab File: BF084881.D

Acq: 6 Feb 2016 1:10

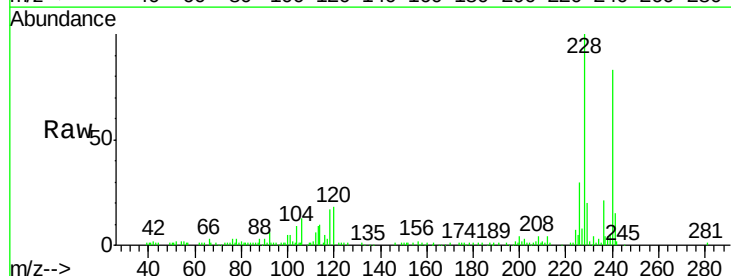
Tgt Ion:228 Resp: 89466

Ion Ratio Lower Upper

228 100

226 29.6 21.8 32.6

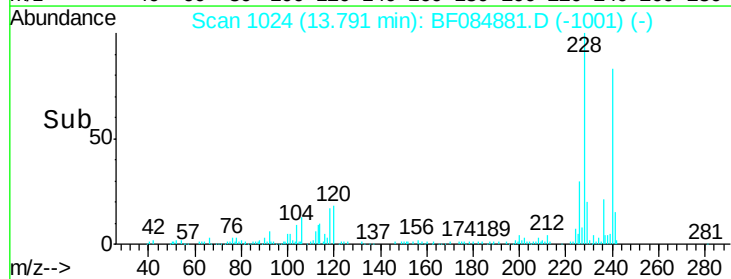
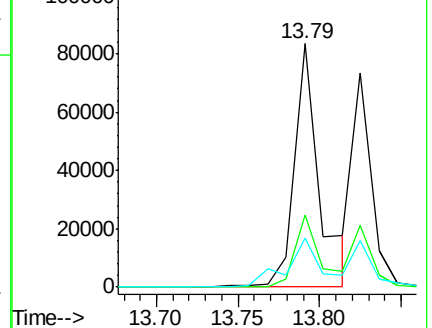
229 20.1 15.8 23.8

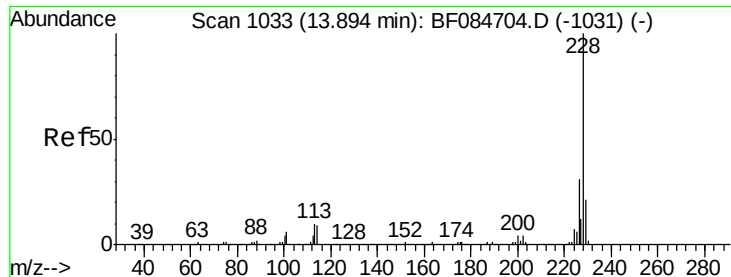


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.72 ng

RT: 13.83 min Scan# 1027

Delta R.T. -0.03 min

Lab File: BF084881.D

Acq: 6 Feb 2016 1:10

Instrument :

BNA_F

ClientSampled :

SUP-B008(0-2)

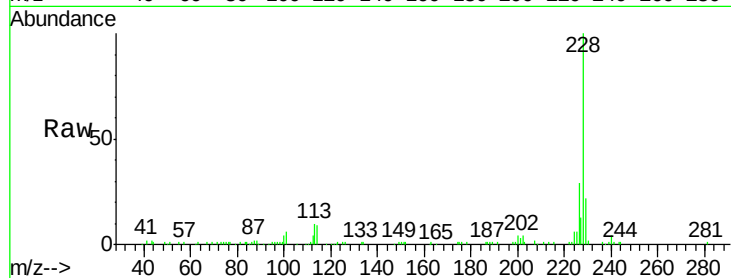
Tgt Ion:228 Resp: 60344

Ion Ratio Lower Upper

228 100

226 29.0 24.3 36.5

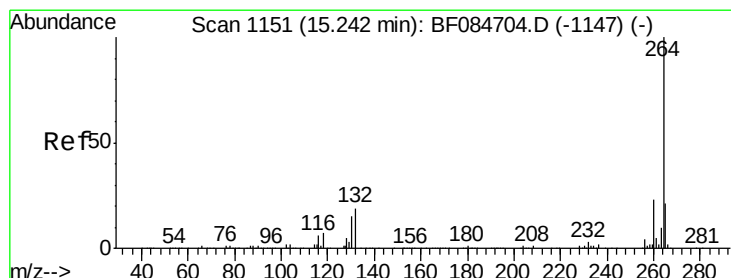
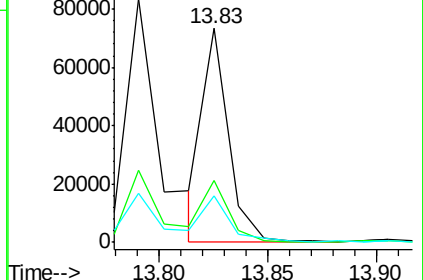
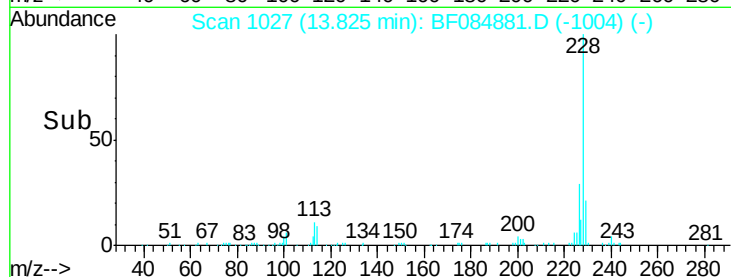
229 21.8 16.1 24.1



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: 15.17 min Scan# 1145

Delta R.T. -0.03 min

Lab File: BF084881.D

Acq: 6 Feb 2016 1:10

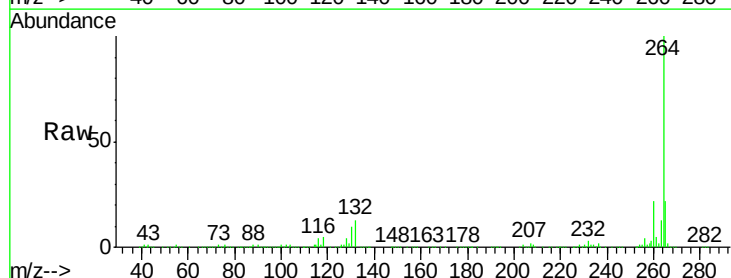
Tgt Ion:264 Resp: 325428

Ion Ratio Lower Upper

264 100

260 22.3 19.4 29.2

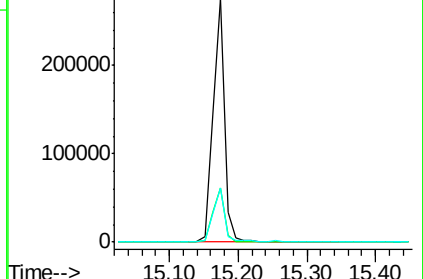
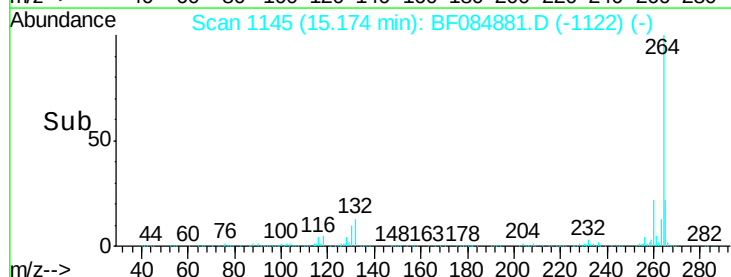
265 22.1 17.8 26.6

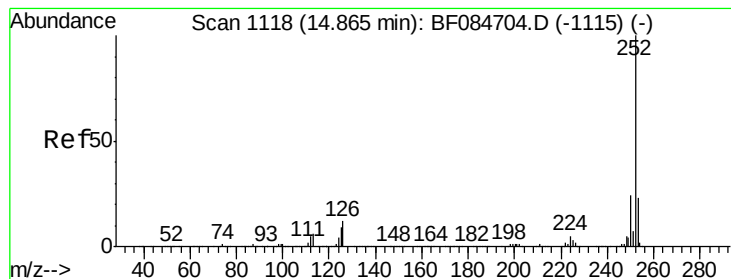


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.46 ng

RT: 14.80 min Scan# 1112

Delta R.T. -0.03 min

Lab File: BF084881.D

Acq: 6 Feb 2016 1:10

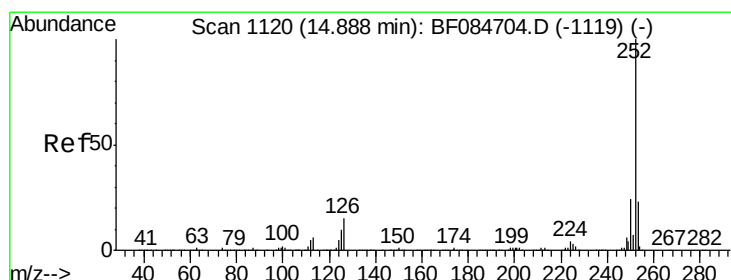
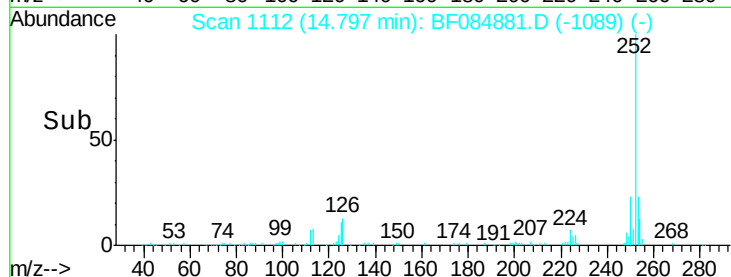
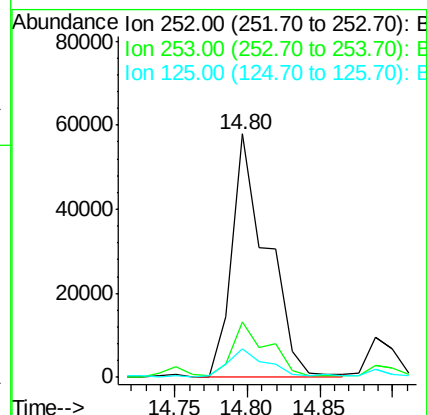
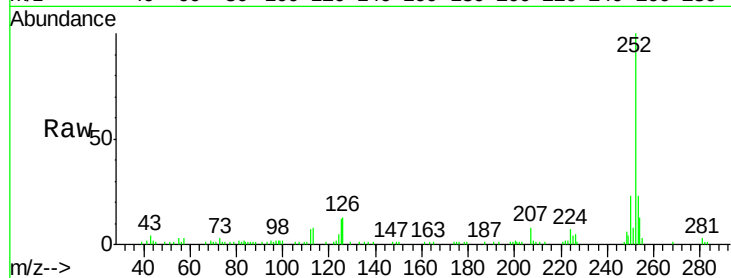
Instrument :

BNA_F

ClientSampleId :

SUP-B008(0-2)

Tgt Ion:	252	Resp:	97539
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.3	25.9
125	11.7	6.5	9.7#



#88

Benzo(k)fluoranthene

Concen: 5.40 ng

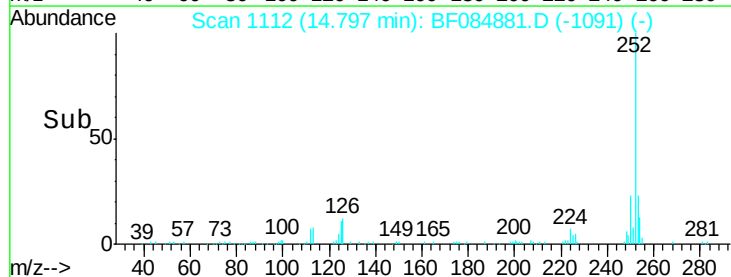
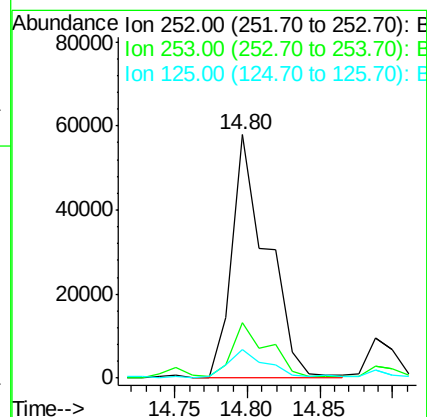
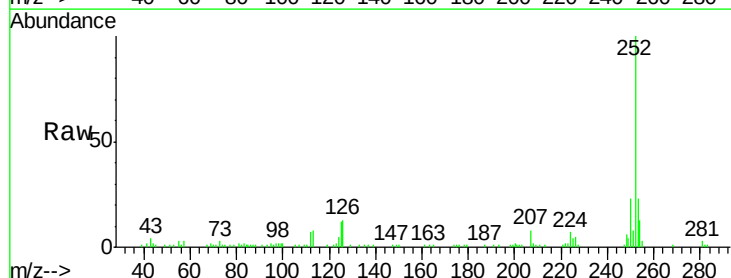
RT: 14.80 min Scan# 1112

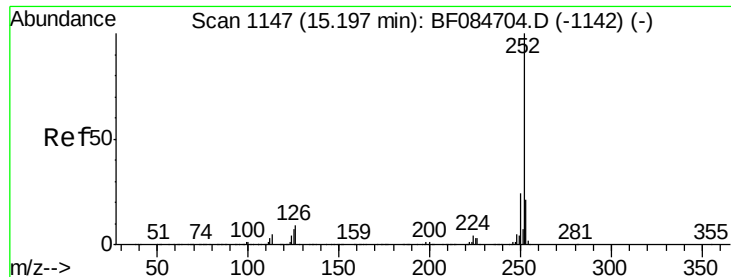
Delta R.T. -0.06 min

Lab File: BF084881.D

Acq: 6 Feb 2016 1:10

Tgt Ion:	252	Resp:	97539
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.1	27.1
125	11.7	9.0	13.6





#89

Benzo(a)pyrene

Concen: 2.55 ng

RT: 15.12 min Scan# 1140

Delta R.T. -0.03 min

Lab File: BF084881.D

Acq: 6 Feb 2016 1:10

Instrument :

BNA_F

ClientSampleId :

SUP-B008(0-2)

Tgt Ion: 252 Resp: 47548

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

125 8.4 7.0 10.4

