

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061316\
 Data File : BF087987.D
 Acq On : 13 Jun 2016 17:10
 Operator : UM/SJ
 Sample : H3395-25
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-980-PLATFORM(0-4)

Quant Time: Jun 13 17:43:55 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	102145	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	432047	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	197955	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	331059	20.00	ng	0.00
75) Chrysene-d12	13.95	240	243779	20.00	ng	0.00
86) Perylene-d12	15.36	264	217110	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	632479	105.85	ng	0.00
7) Phenol-d6	6.43	99	777560	107.38	ng	0.00
23) Nitrobenzene-d5	7.36	82	480725	64.97	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	185248	88.63	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	885046	69.21	ng	0.00
78) Terphenyl-d14	12.90	244	597292	55.75	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.44	94	8619	Below Cal		93
19) n-Nitroso-di-n-propylamine	7.36	70	62968	13.59 ng	#	72
25) Isophorone	7.36	82	363584	26.53 ng	#	65
45) 1,1'-Biphenyl	9.26	154	1049	Below Cal		86
48) Acenaphthylene	9.69	152	45094	2.21 ng		98
49) Dimethylphthalate	9.55	163	94175	6.57 ng		100
56) 2,4-Dinitrotoluene	9.84	165	25347	6.01 ng	#	37
57) Fluorene	10.38	166	3506	Below Cal	#	93
64) 4,6-Dinitro-2-methylphenol	10.63	198	228	2.27 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	12031	3.39 ng	#	1
70) Phenanthrene	11.34	178	46911	2.70 ng		99
74) Fluoranthene	12.53	202	259606	14.16 ng		98
77) Pyrene	12.75	202	247719	13.69 ng		98
80) Benzo(a)anthracene	13.94	228	153815	11.07 ng	#	90
82) Chrysene	13.94	228	153815	11.77 ng		95
85) Indeno(1,2,3-cd)pyrene	16.71	276	63583	5.24 ng	#	100
87) Benzo(b)fluoranthene	14.96	252	279913	18.50 ng	#	95
88) Benzo(k)fluoranthene	14.96	252	279913	24.52 ng		99
89) Benzo(a)pyrene	15.30	252	109855	8.97 ng		97
91) Benzo(g,h,i)perylene	17.12	276	54621	4.67 ng		100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 455

Delta R.T. 0.00 min

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STA-980-PLATFORM(0-4)

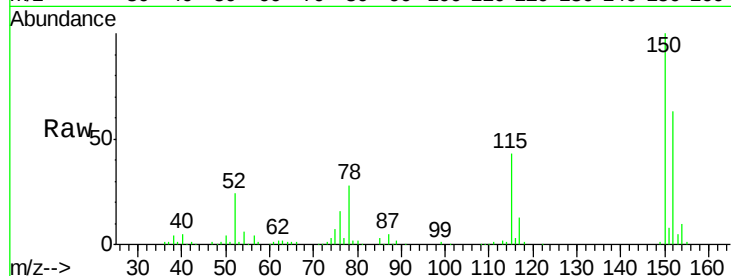
Tgt Ion:152 Resp: 102145

Ion Ratio Lower Upper

152 100

150 159.6 123.8 185.6

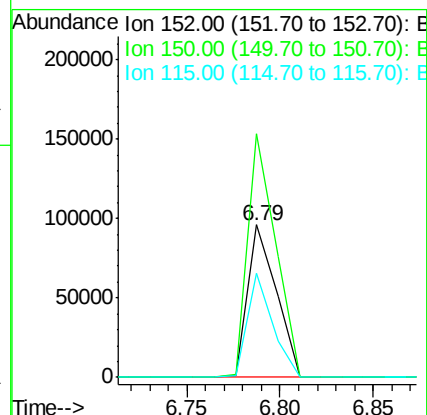
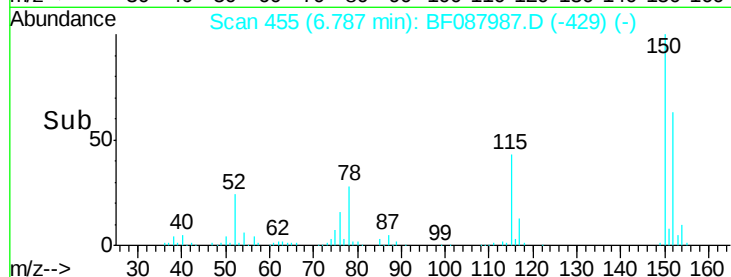
115 68.4 39.6 59.4#



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: 105.85 ng

RT: 5.38 min Scan# 332

Delta R.T. 0.00 min

Lab File: BF087987.D

Acq: 13 Jun 2016 17:10

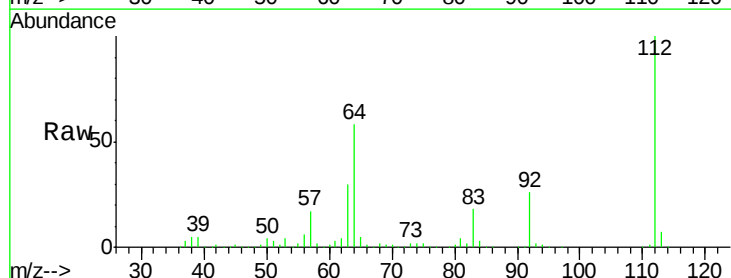
Tgt Ion:112 Resp: 632479

Ion Ratio Lower Upper

112 100

64 58.0 42.2 63.2

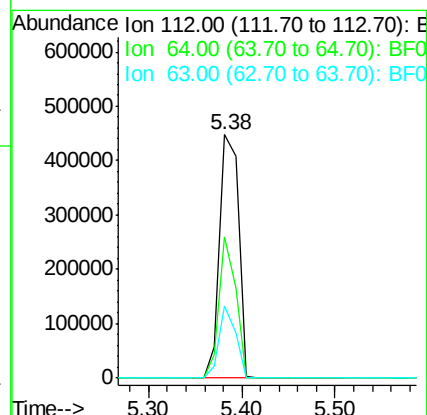
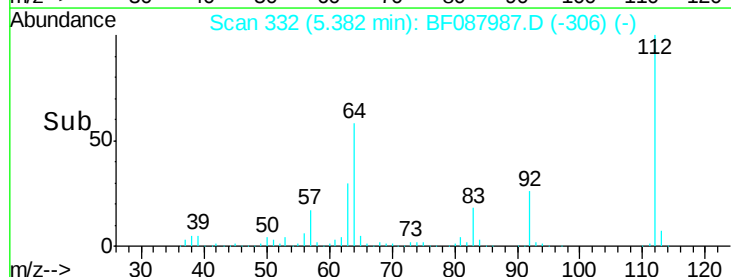
63 29.7 21.8 32.8

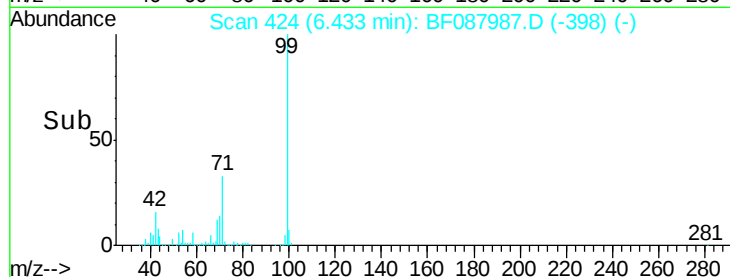
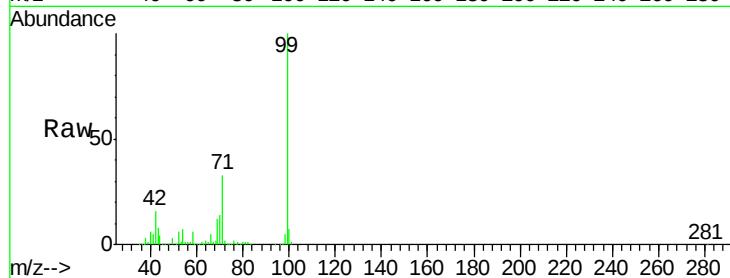
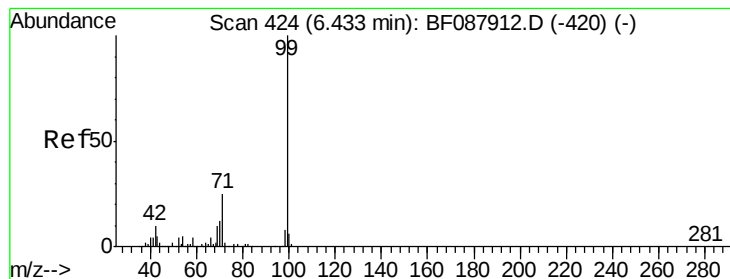


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.38 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF087987.D

Acq: 13 Jun 2016 17:10

Instrument :

BNA_F

ClientSampleId :

STA-980-PLATFORM(0-4)

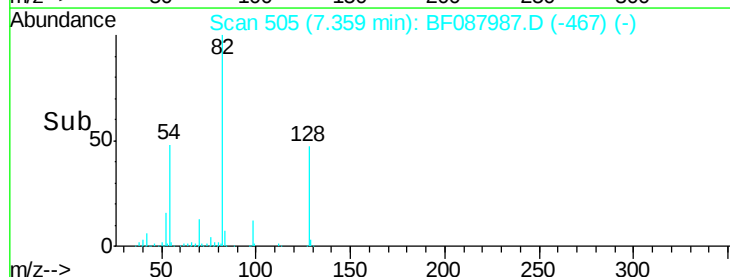
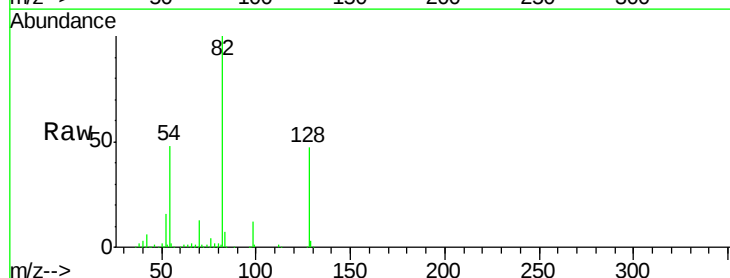
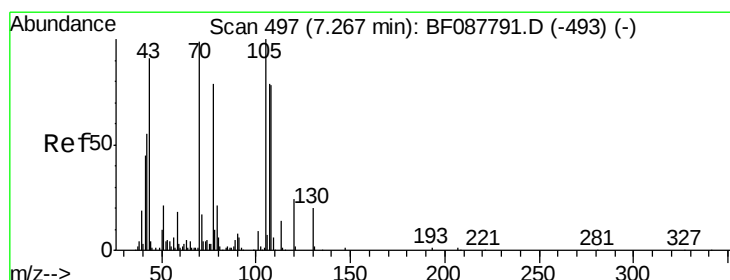
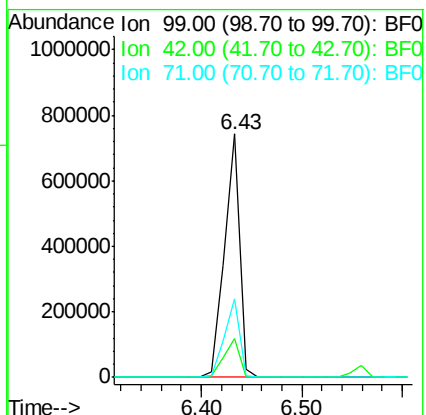
Tgt Ion: 99 Resp: 777560

Ion Ratio Lower Upper

99 100

42 16.0 12.2 18.2

71 32.5 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.59 ng

RT: 7.36 min Scan# 505

Delta R.T. 0.14 min

Lab File: BF087987.D

Acq: 13 Jun 2016 17:10

Tgt Ion: 70 Resp: 62968

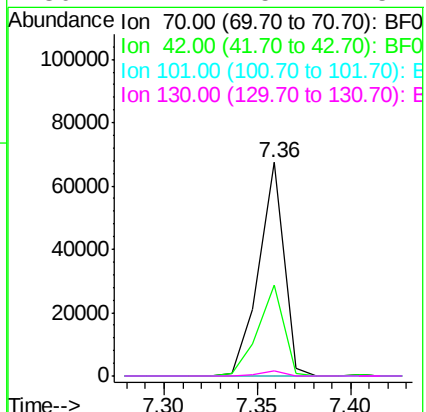
Ion Ratio Lower Upper

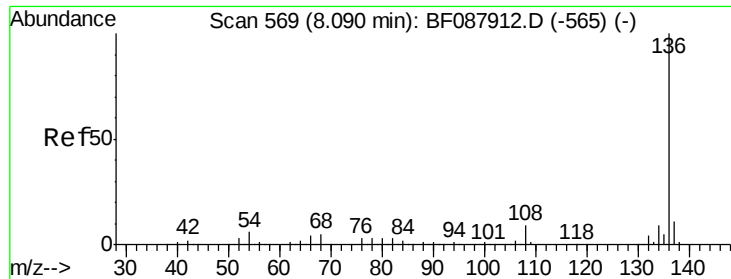
70 100

42 42.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#

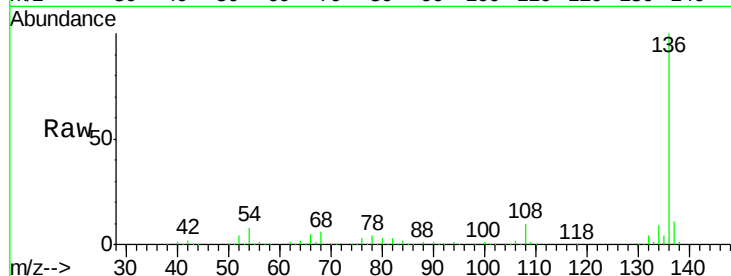




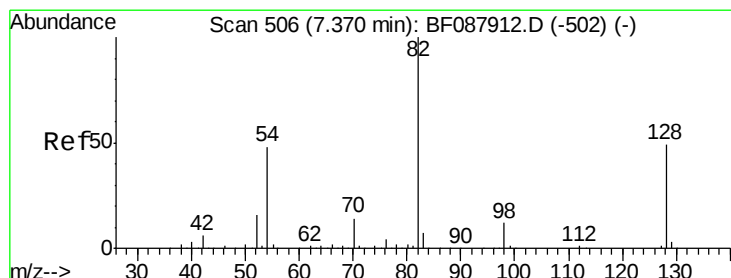
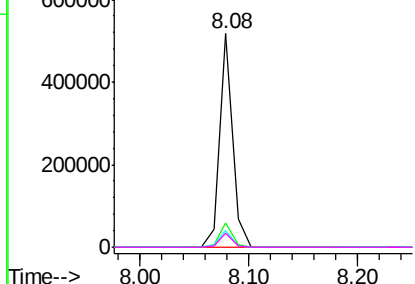
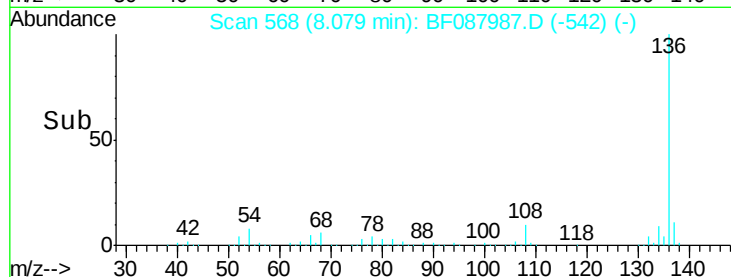
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 568
Delta R.T. 0.00 min
Lab File: BF087987.D
Acq: 13 Jun 2016 17:10

Instrument :
BNA_F
ClientSampleId :
STA-980-PLATFORM(0-4)

Tgt Ion:	136	Resp:	432047
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.7	6.6	10.0
68	6.4	5.1	7.7

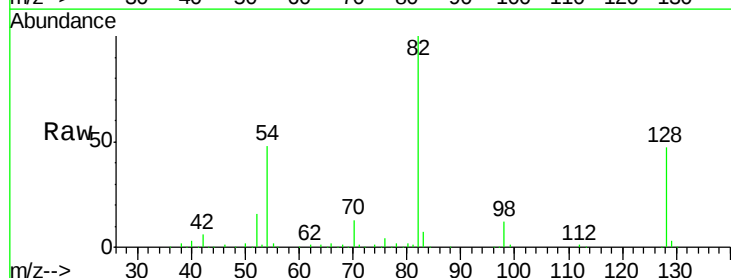


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

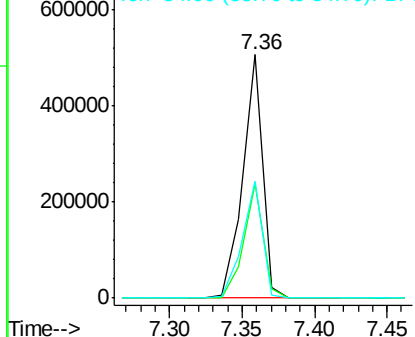
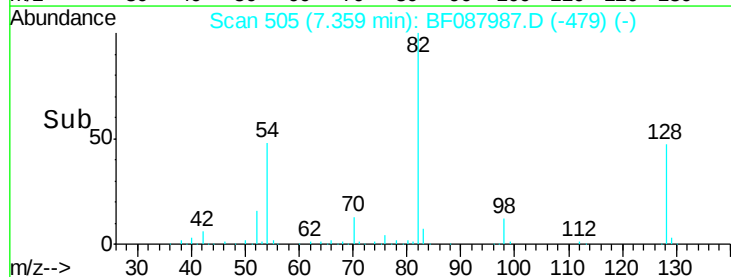


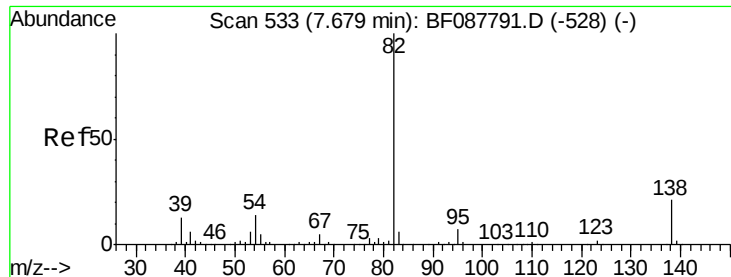
#23
Nitrobenzene-d5
Concen: 64.97 ng
RT: 7.36 min Scan# 505
Delta R.T. 0.00 min
Lab File: BF087987.D
Acq: 13 Jun 2016 17:10

Tgt Ion:	82	Resp:	480725
Ion	Ratio	Lower	Upper
82	100		
128	46.9	35.9	53.9
54	47.8	40.9	61.3



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





#25

Isophorone

Concen: 26.53 ng

RT: 7.36 min Scan# 505

Delta R.T. -0.26 min

Lab File: BF087987.D

Acq: 13 Jun 2016 17:10

Instrument :

BNA_F

ClientSampleId :

STA-980-PLATFORM(0-4)

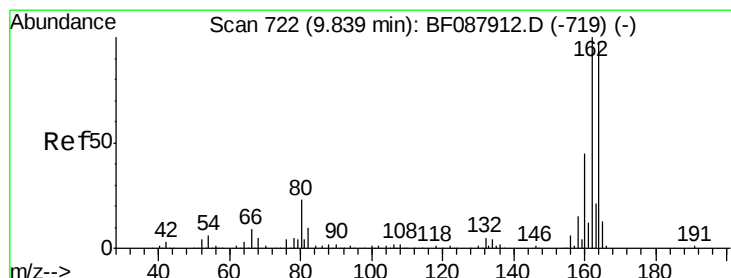
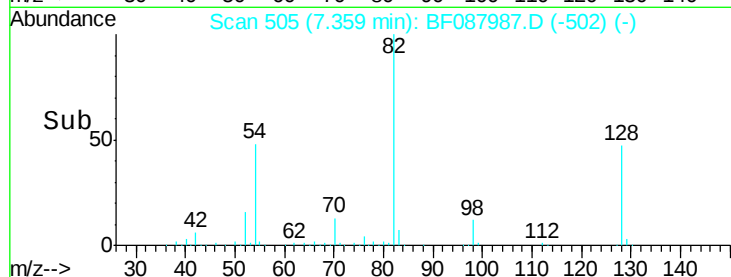
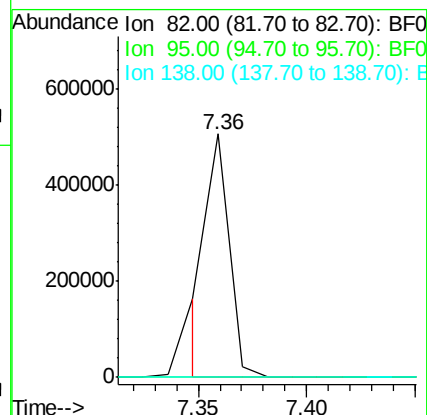
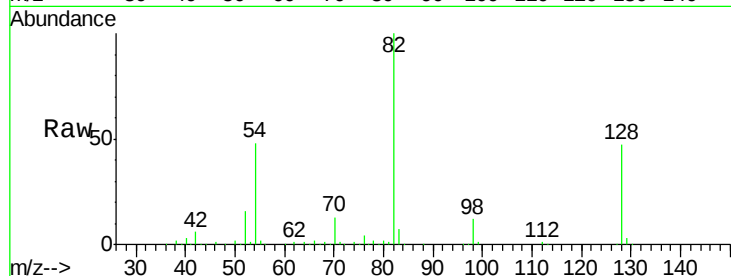
Tgt Ion: 82 Resp: 363584

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.00 min

Lab File: BF087987.D

Acq: 13 Jun 2016 17:10

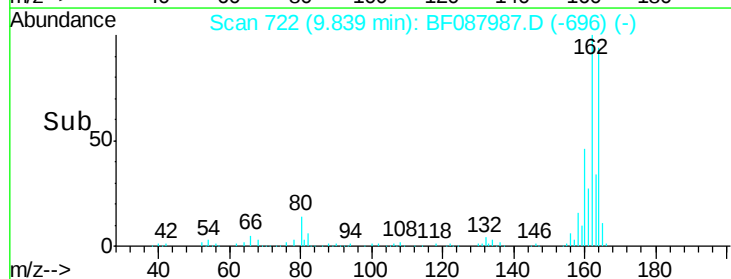
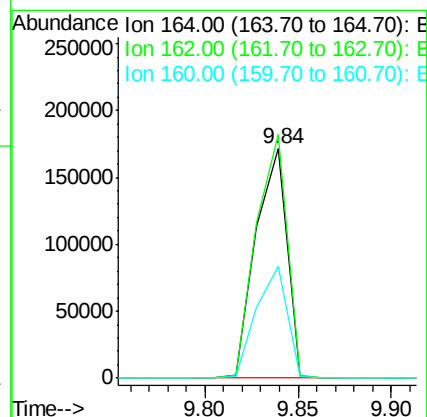
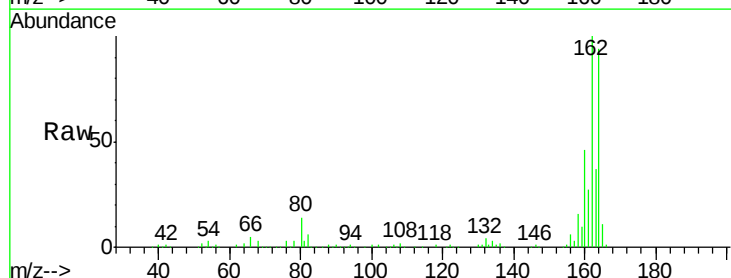
Tgt Ion: 164 Resp: 197955

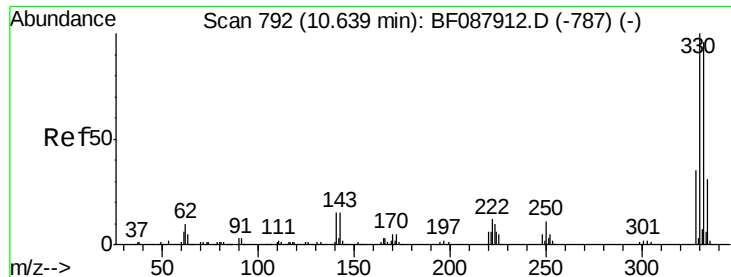
Ion Ratio Lower Upper

164 100

162 106.3 85.4 128.2

160 49.0 39.5 59.3

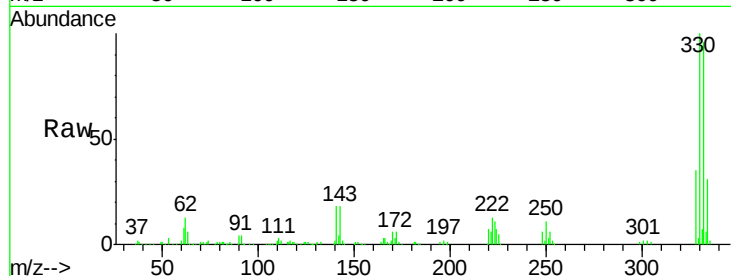




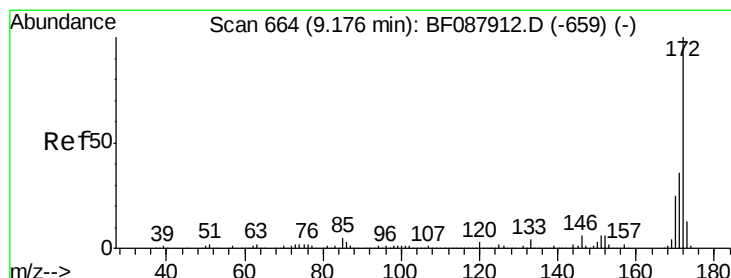
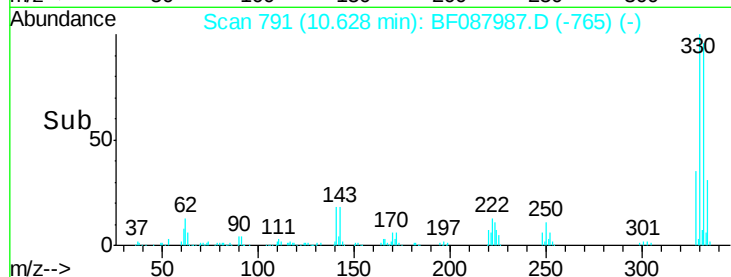
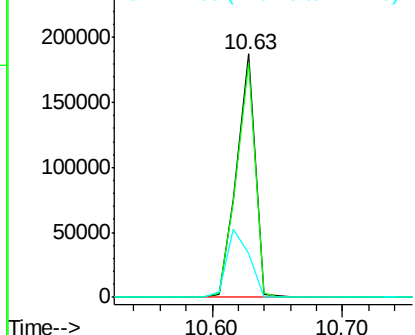
#41
 2,4,6-Tribromophenol
 Concen: 88.63 ng
 RT: 10.63 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: BF087987.D
 Acq: 13 Jun 2016 17:10

Instrument :
 BNA_F
 ClientSampleId :
 STA-980-PLATFORM(0-4)

Tgt Ion:330 Resp: 185248
 Ion Ratio Lower Upper
 330 100
 332 96.7 0.0 0.0#
 141 34.2 0.0 0.0#

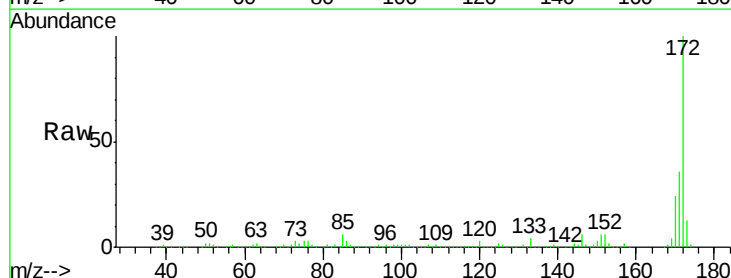


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

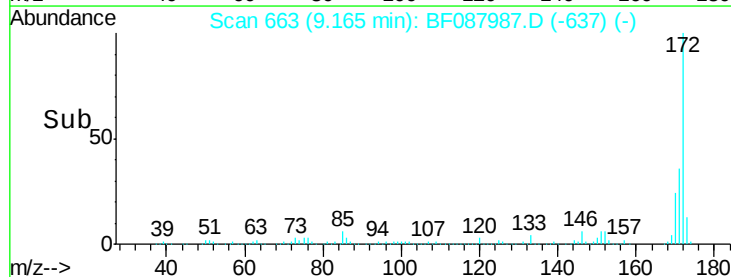
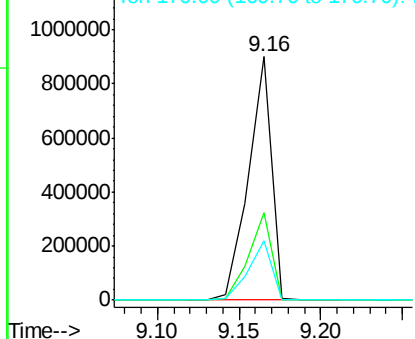


#44
 2-Fluorobiphenyl
 Concen: 69.21 ng
 RT: 9.16 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: BF087987.D
 Acq: 13 Jun 2016 17:10

Tgt Ion:172 Resp: 885046
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 24.1 19.2 28.8



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

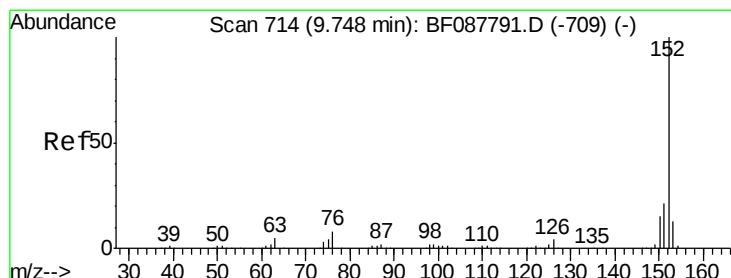
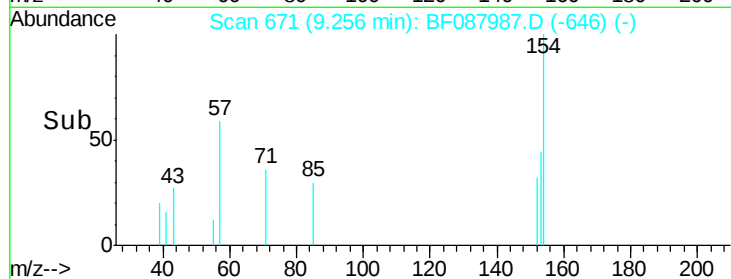
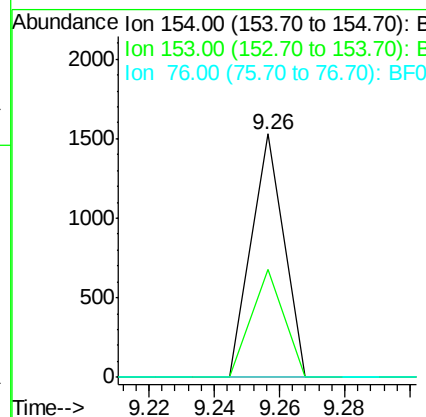
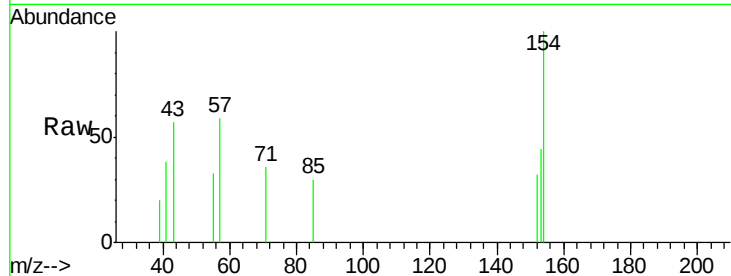




#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.26 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF087987.D
Acq: 13 Jun 2016 17:10

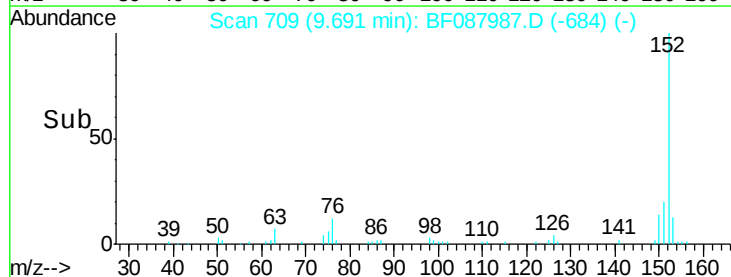
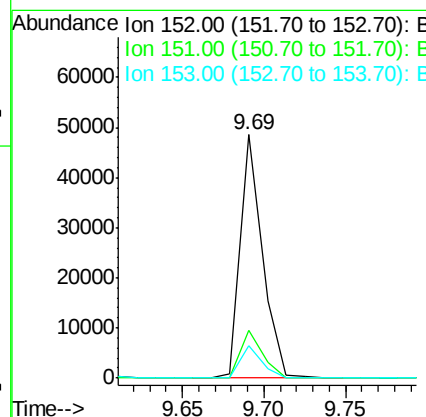
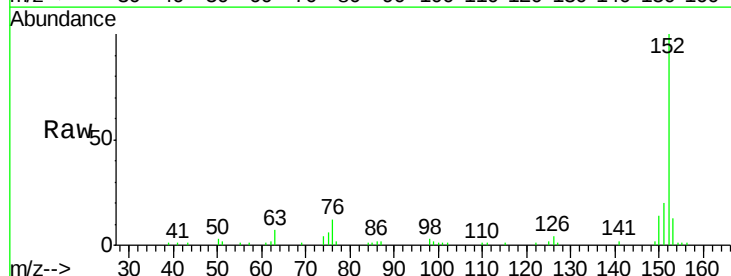
Instrument :
BNA_F
ClientSampleId :
STA-980-PLATFORM(0-4)

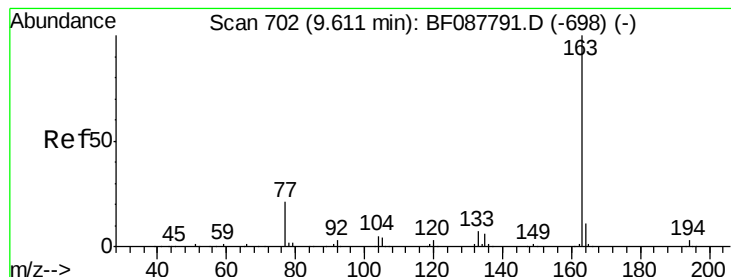
Tgt Ion:154 Resp: 1049
Ion Ratio Lower Upper
154 100
153 44.3 20.6 60.6
76 0.0 0.0 35.1



#48
Acenaphthylene
Concen: 2.21 ng
RT: 9.69 min Scan# 709
Delta R.T. -0.01 min
Lab File: BF087987.D
Acq: 13 Jun 2016 17:10

Tgt Ion:152 Resp: 45094
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.4
153 13.2 11.0 16.6





#49

Dimethylphthalate

Concen: 6.57 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF087987.D

Acq: 13 Jun 2016 17:10

Instrument :

BNA_F

ClientSampleId :

STA-980-PLATFORM(0-4)

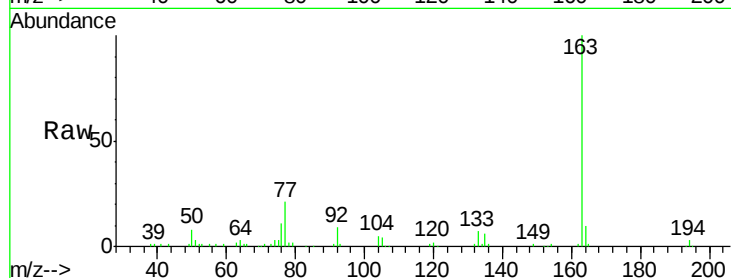
Tgt Ion:163 Resp: 94175

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

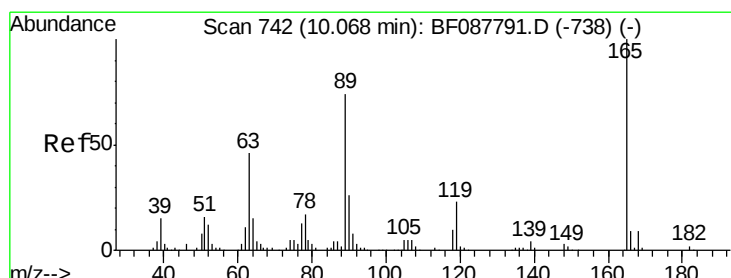
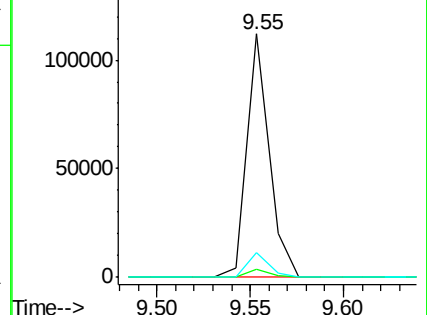
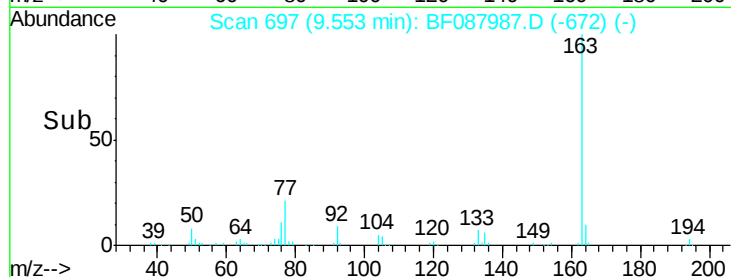
164 10.3 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.01 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.19 min

Lab File: BF087987.D

Acq: 13 Jun 2016 17:10

Tgt Ion:165 Resp: 25347

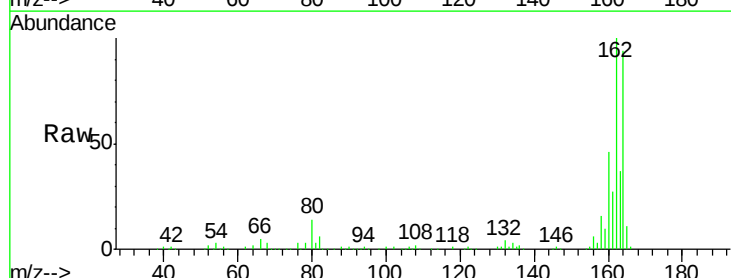
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.8 41.1 61.7#

182 0.0 2.0 3.0#

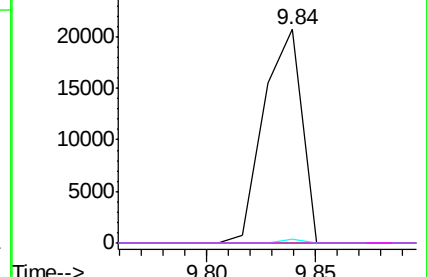
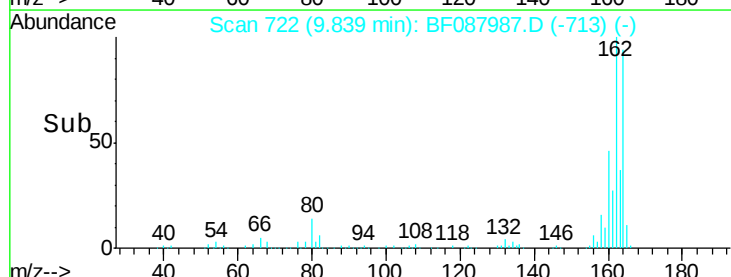


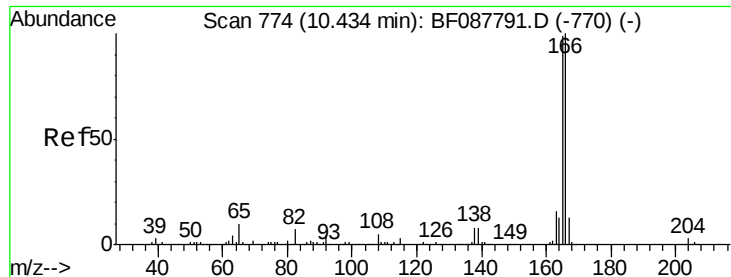
Abundance Ion 165.00 (164.70 to 165.70): E

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

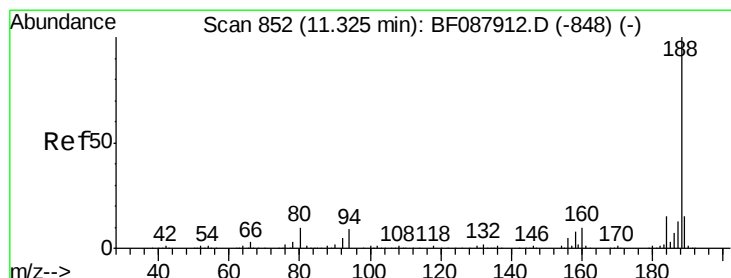
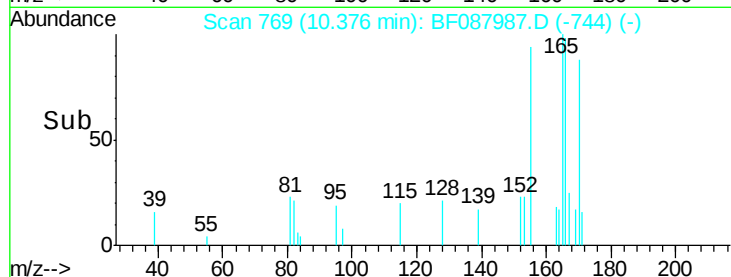
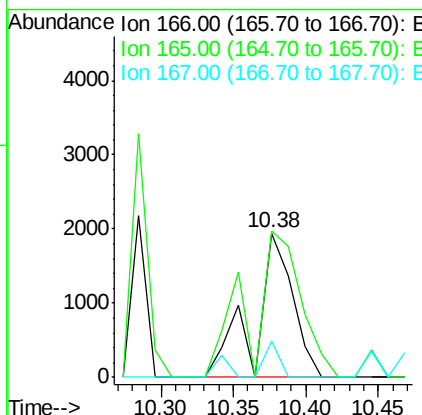
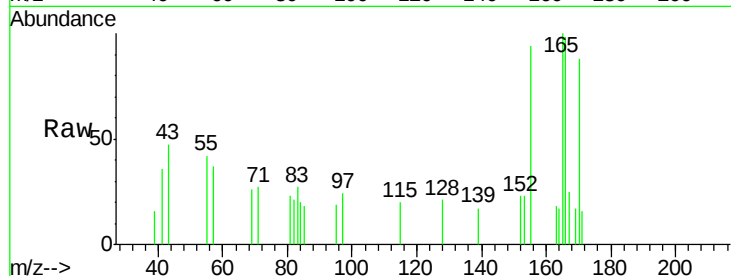




#57
 Fluorene
 Concen: Below Cal
 RT: 10.38 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BF087987.D
 Acq: 13 Jun 2016 17:10

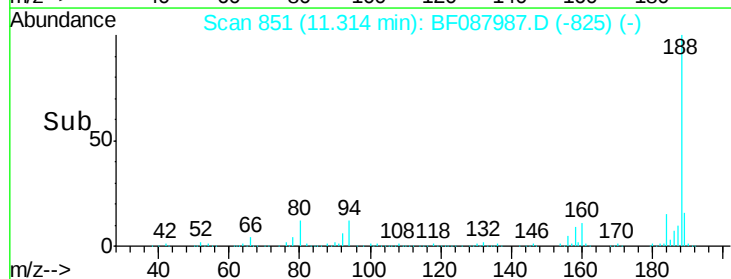
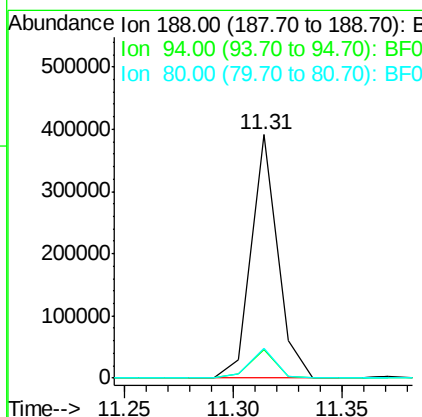
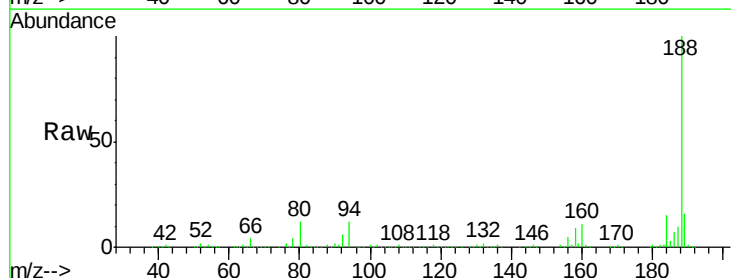
Instrument :
 BNA_F
 ClientSampleId :
 STA-980-PLATFORM(0-4)

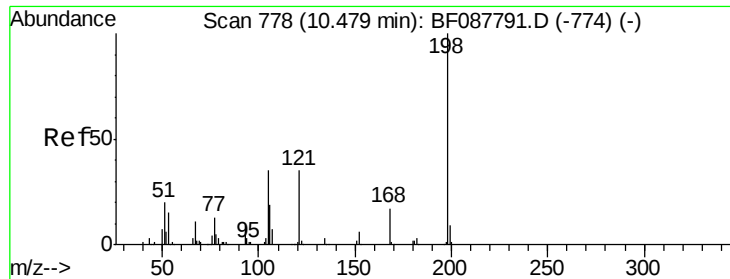
Tgt Ion:166 Resp: 3506
 Ion Ratio Lower Upper
 166 100
 165 101.7 77.8 116.8
 167 25.3 11.2 16.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.31 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: BF087987.D
 Acq: 13 Jun 2016 17:10

Tgt Ion:188 Resp: 331059
 Ion Ratio Lower Upper
 188 100
 94 11.5 9.0 13.6
 80 12.1 10.0 15.0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.27 ng

RT: 10.63 min Scan# 791

Delta R.T. 0.19 min

Lab File: BF087987.D

Acq: 13 Jun 2016 17:10

Instrument :

BNA_F

ClientSampleId :

STA-980-PLATFORM(0-4)

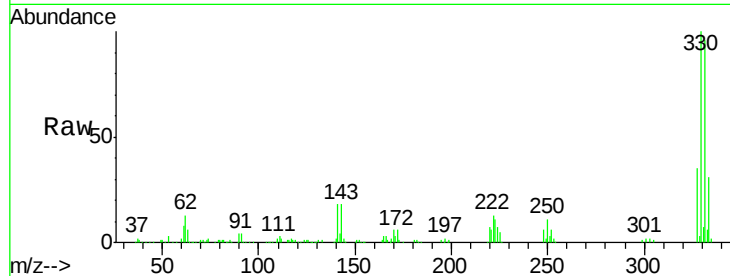
Tgt Ion:198 Resp: 228

Ion Ratio Lower Upper

198 100

51 116.9 39.6 79.6#

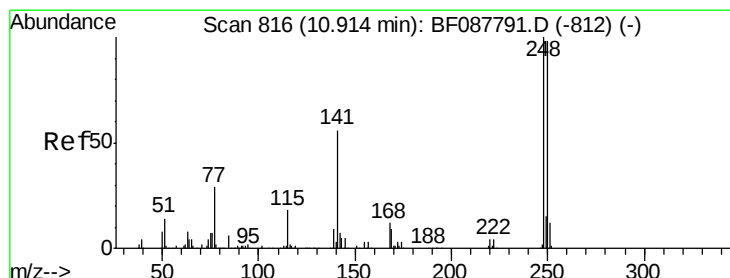
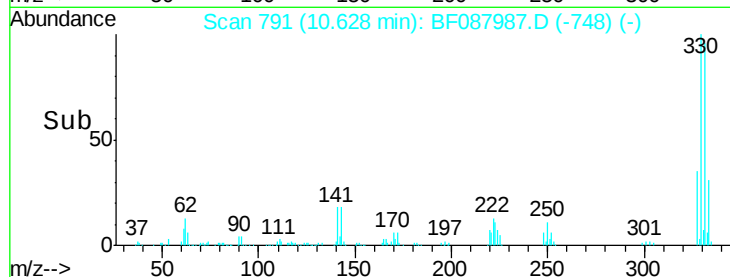
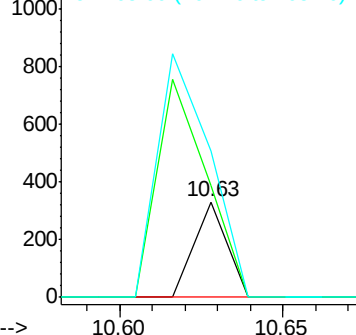
105 153.0 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.39 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.24 min

Lab File: BF087987.D

Acq: 13 Jun 2016 17:10

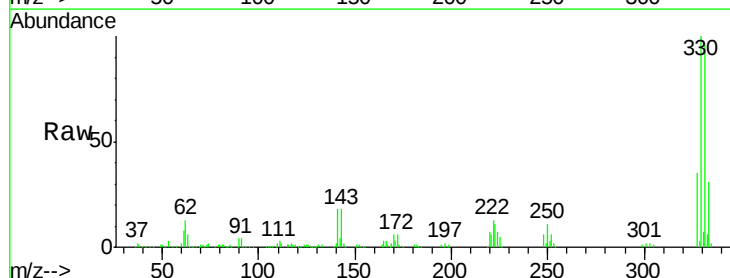
Tgt Ion:248 Resp: 12031

Ion Ratio Lower Upper

248 100

250 201.3 77.1 115.7#

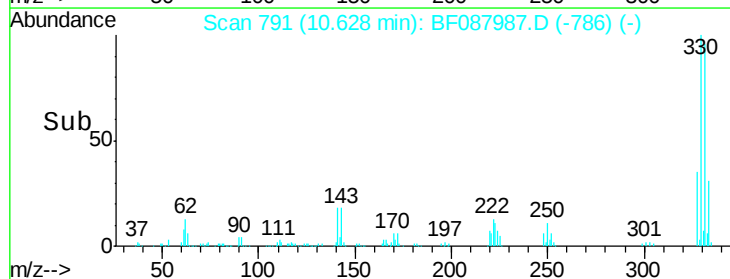
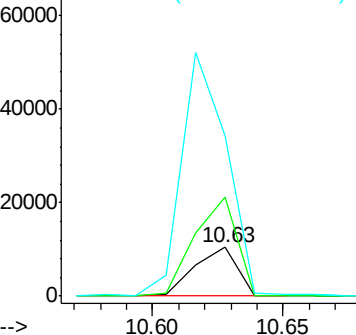
141 326.5 50.6 76.0#

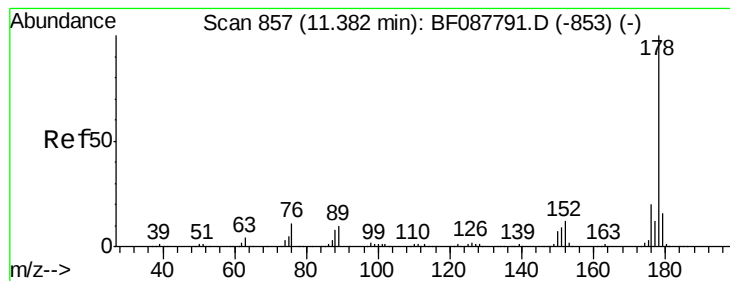


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.70 ng

RT: 11.34 min Scan# 853

Delta R.T. -0.01 min

Lab File: BF087987.D

Acq: 13 Jun 2016 17:10

Instrument :

BNA_F

ClientSampleId :

STA-980-PLATFORM(0-4)

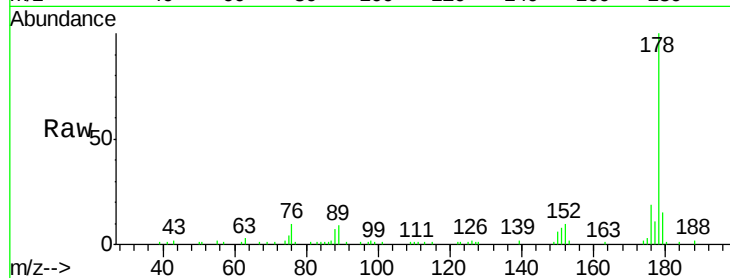
Tgt Ion:178 Resp: 46911

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

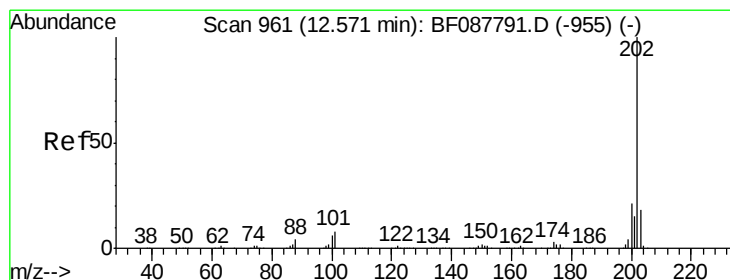
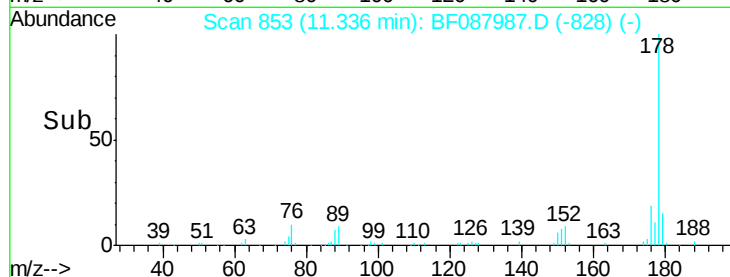
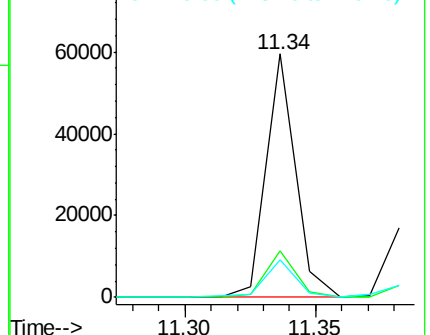
179 15.4 13.0 19.4



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: 14.16 ng

RT: 12.53 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF087987.D

Acq: 13 Jun 2016 17:10

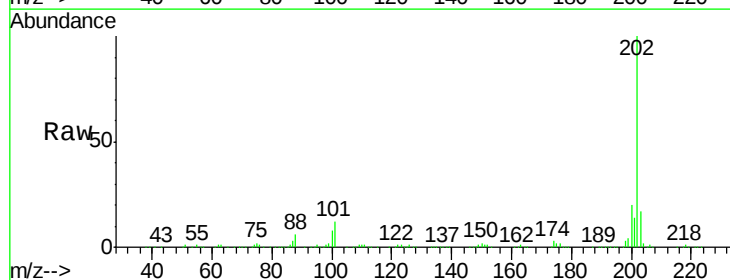
Tgt Ion:202 Resp: 259606

Ion Ratio Lower Upper

202 100

101 11.7 0.0 33.1

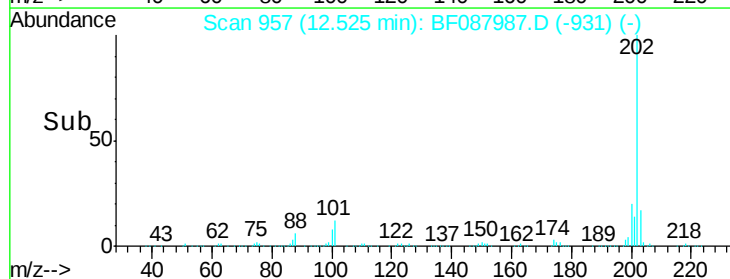
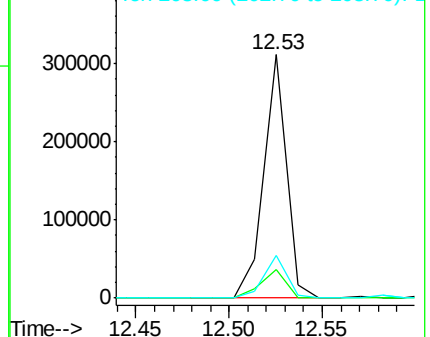
203 17.4 0.0 38.1

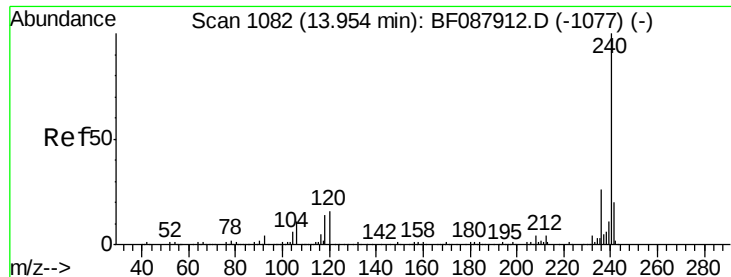


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.95 min Scan# 1082

Delta R.T. 0.00 min

Lab File: BF087987.D

Acq: 13 Jun 2016 17:10

Instrument :

BNA_F

ClientSampleId :

STA-980-PLATFORM(0-4)

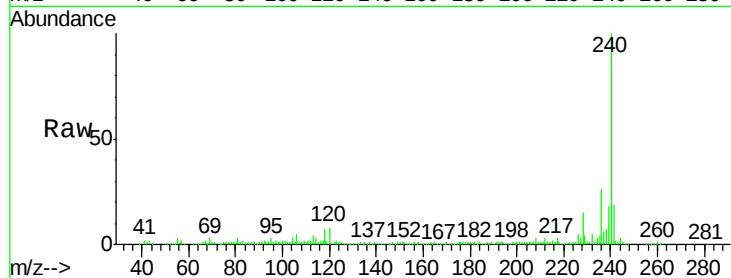
Tgt Ion:240 Resp: 243779

Ion Ratio Lower Upper

240 100

120 8.2 6.8 10.2

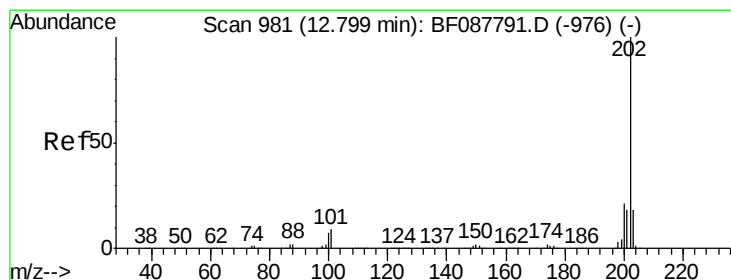
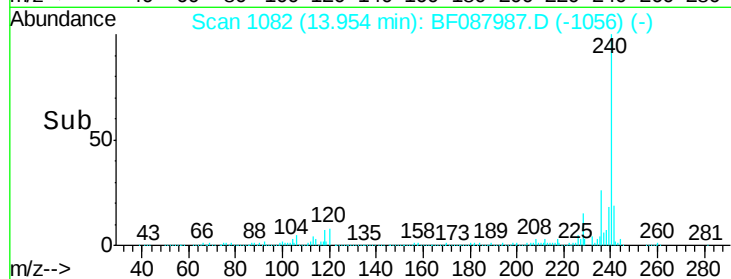
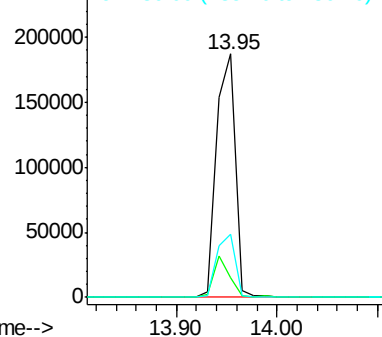
236 25.8 20.2 30.2



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: 13.69 ng

RT: 12.75 min Scan# 977

Delta R.T. 0.00 min

Lab File: BF087987.D

Acq: 13 Jun 2016 17:10

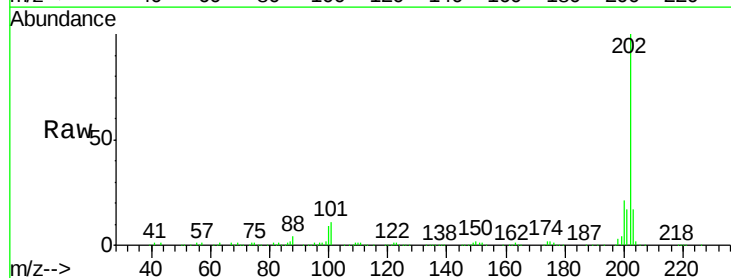
Tgt Ion:202 Resp: 247719

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

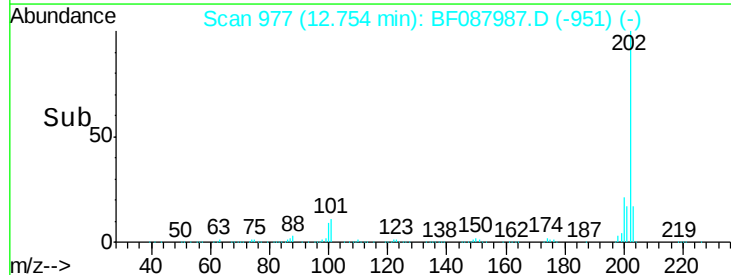
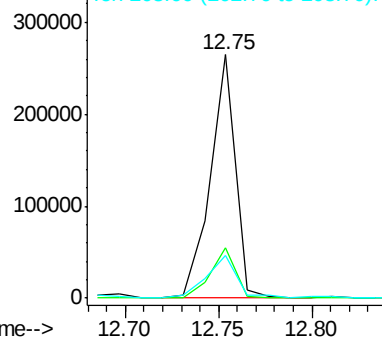
203 17.4 14.5 21.7

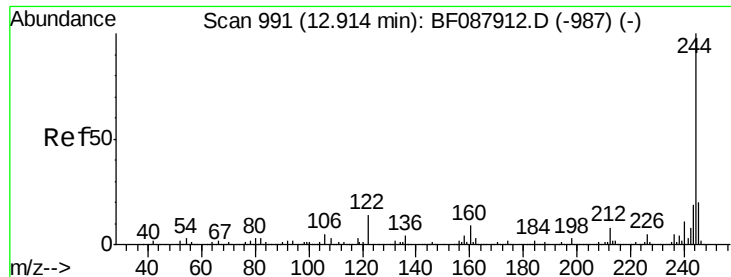


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

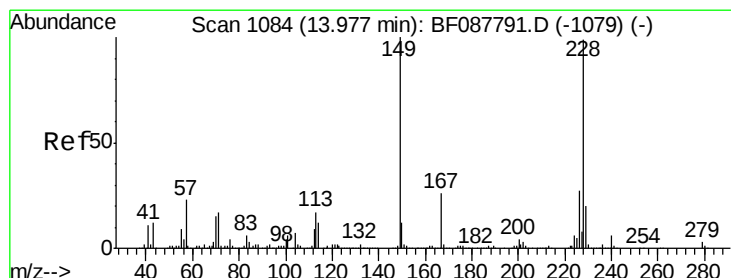
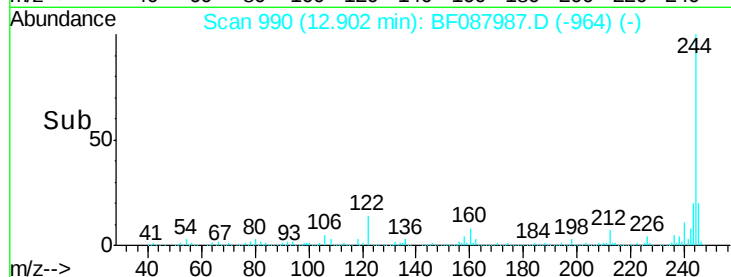
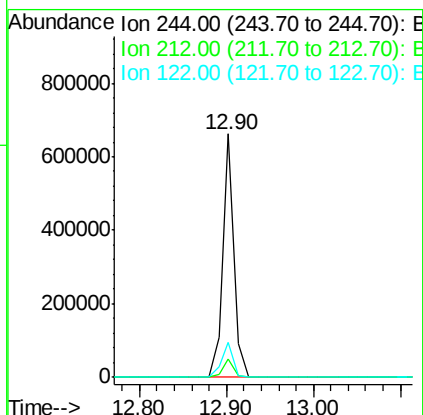
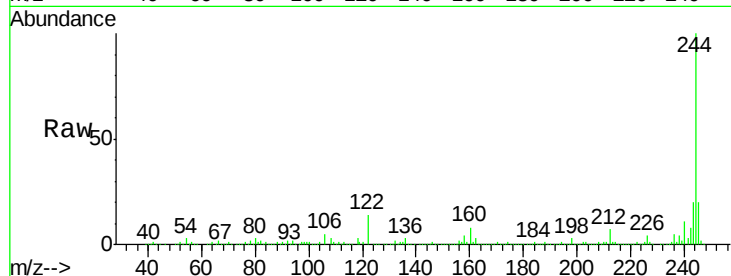




#78
 Terphenyl-d14
 Concen: 55.75 ng
 RT: 12.90 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: BF087987.D
 Acq: 13 Jun 2016 17:10

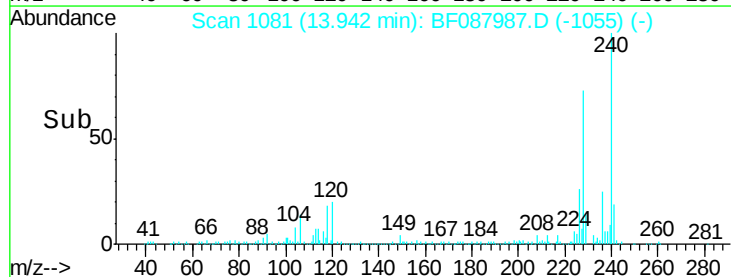
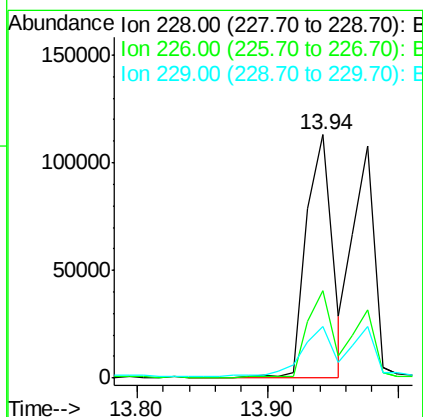
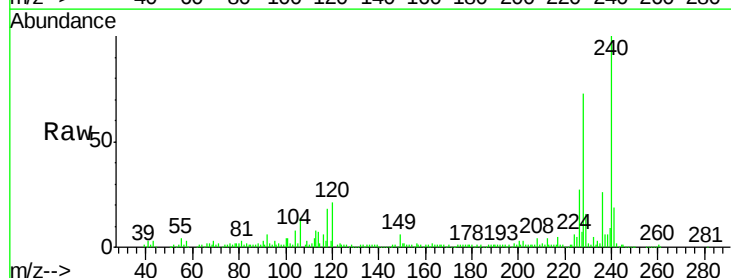
Instrument :
 BNA_F
 ClientSampleId :
 STA-980-PLATFORM(0-4)

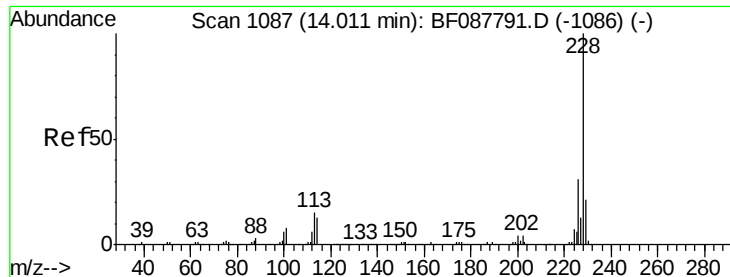
Tgt Ion:244 Resp: 597292
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 14.2 11.2 16.8



#80
 Benzo(a)anthracene
 Concen: 11.07 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. 0.00 min
 Lab File: BF087987.D
 Acq: 13 Jun 2016 17:10

Tgt Ion:228 Resp: 153815
 Ion Ratio Lower Upper
 228 100
 226 36.2 22.3 33.5#
 229 21.2 16.0 24.0





#82

Chrysene

Concen: 11.77 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF087987.D

Acq: 13 Jun 2016 17:10

Instrument :

BNA_F

ClientSampleId :

STA-980-PLATFORM(0-4)

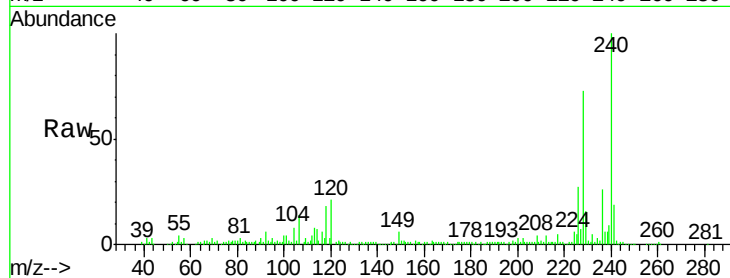
Tgt Ion:228 Resp: 153815

Ion Ratio Lower Upper

228 100

226 36.2 25.4 38.2

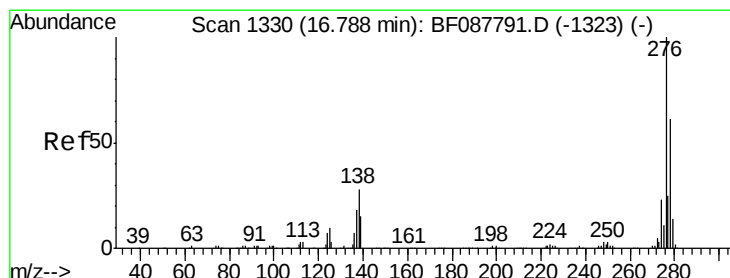
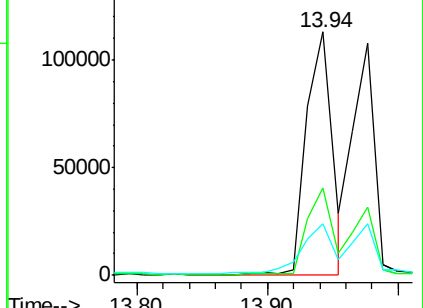
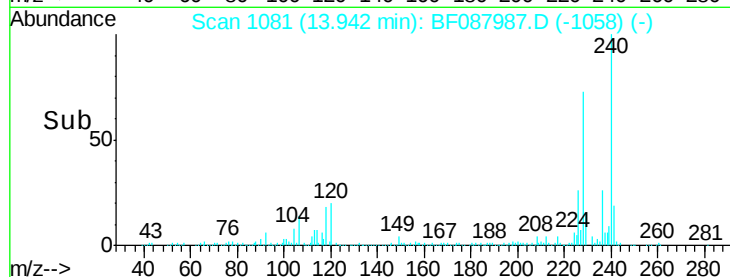
229 21.2 16.3 24.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.24 ng

RT: 16.71 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF087987.D

Acq: 13 Jun 2016 17:10

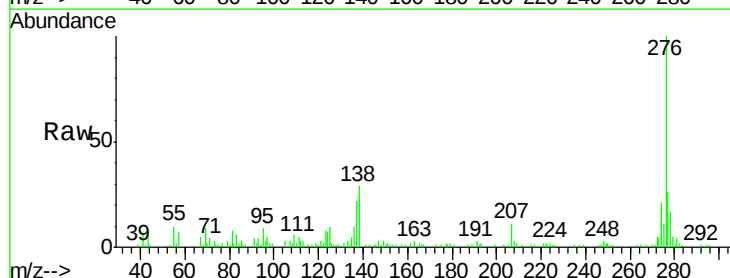
Tgt Ion:276 Resp: 63583

Ion Ratio Lower Upper

276 100

138 26.6 0.0 0.0#

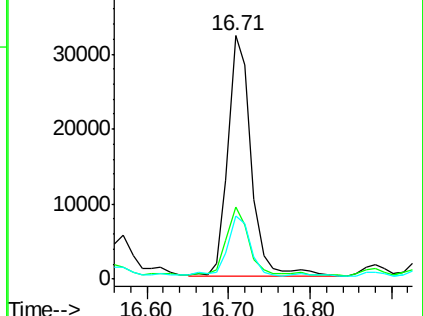
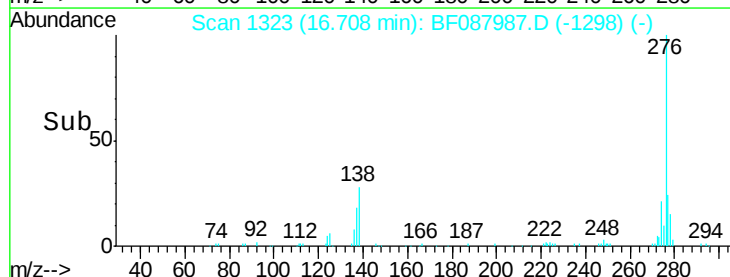
277 24.4 0.0 0.0#

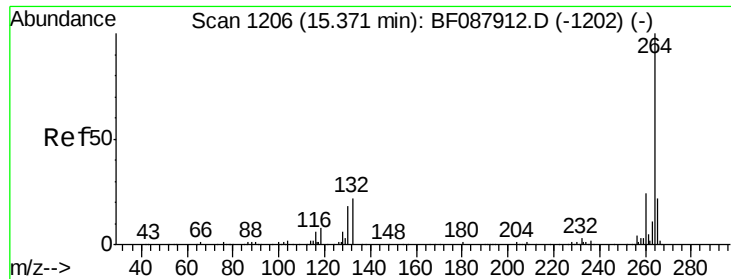


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



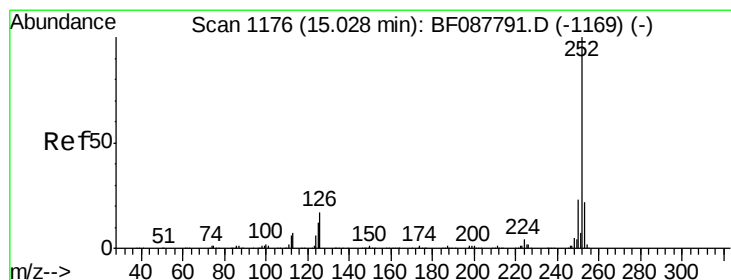
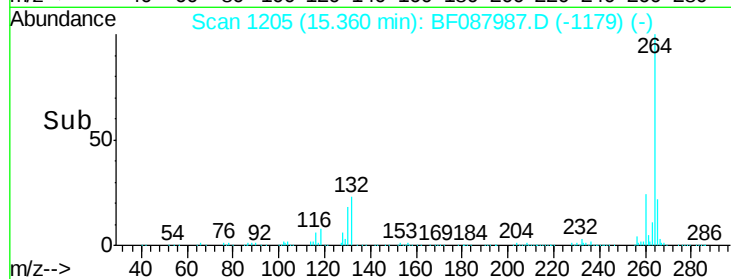
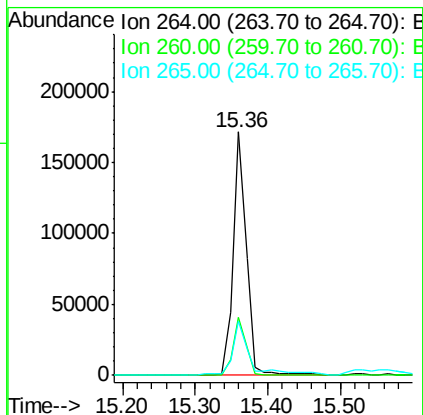
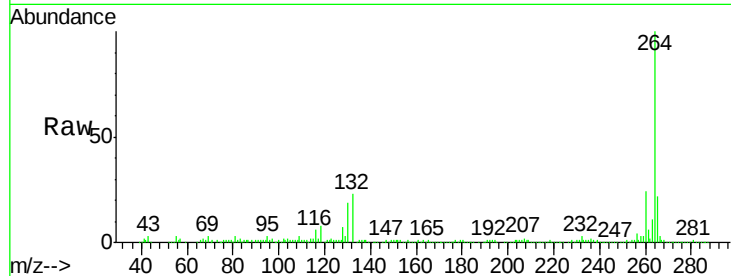


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF087987.D
Acq: 13 Jun 2016 17:10

Instrument :
BNA_F
ClientSampleId :
STA-980-PLATFORM(0-4)

Tgt Ion: 264 Resp: 217110

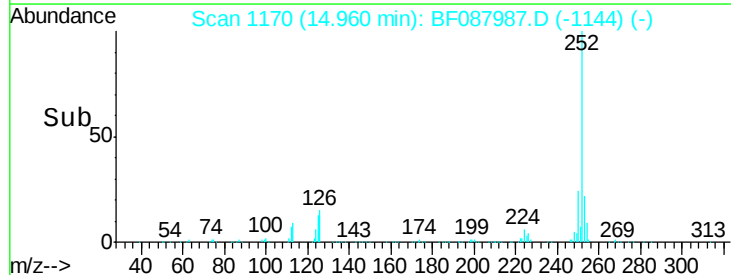
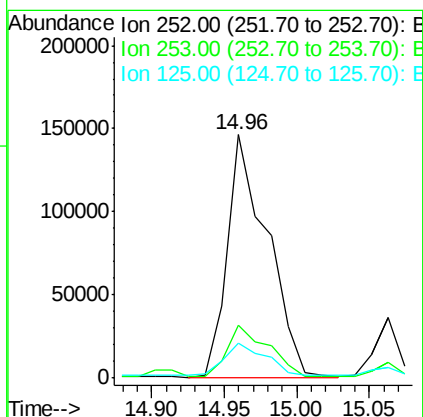
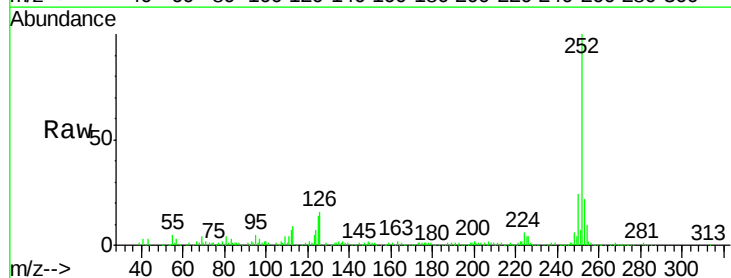
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.4	16.9	25.3

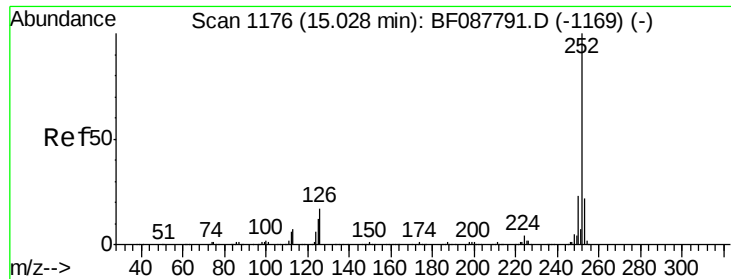


#87
Benzo(b)fluoranthene
Concen: 18.50 ng
RT: 14.96 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF087987.D
Acq: 13 Jun 2016 17:10

Tgt Ion: 252 Resp: 279913

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	14.4	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 24.52 ng

RT: 14.96 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF087987.D

Acq: 13 Jun 2016 17:10

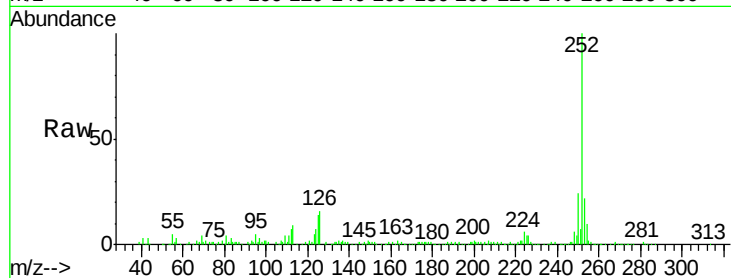
Instrument :

BNA_F

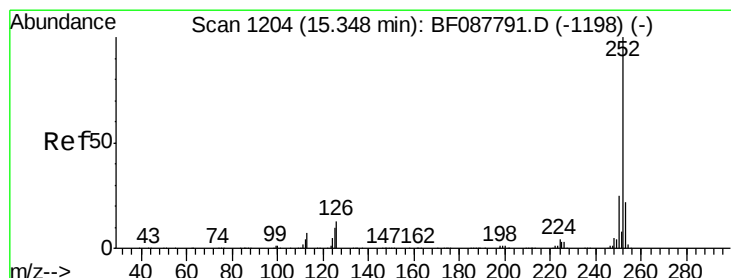
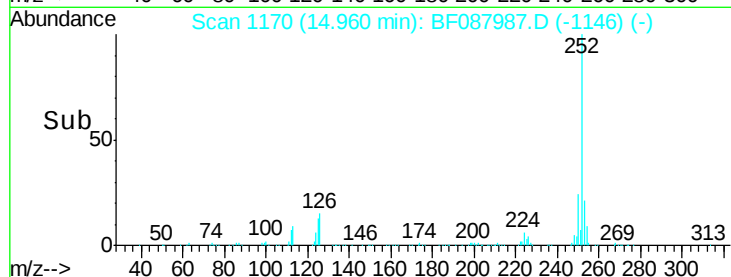
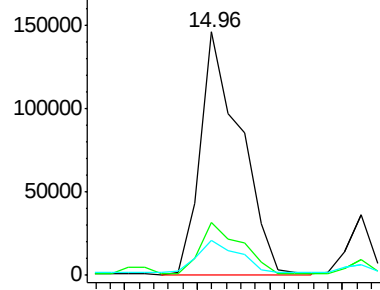
ClientSampleId :

STA-980-PLATFORM(0-4)

Tgt Ion:	252	Resp:	279913
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.0	27.0
125	14.4	11.2	16.8



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



#89

Benzo(a)pyrene

Concen: 8.97 ng

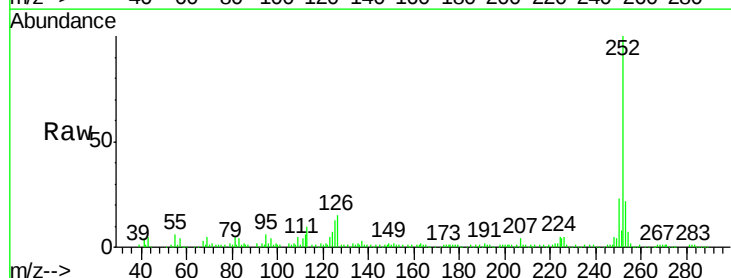
RT: 15.30 min Scan# 1200

Delta R.T. 0.00 min

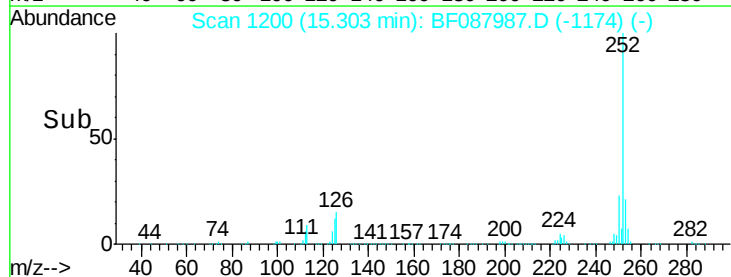
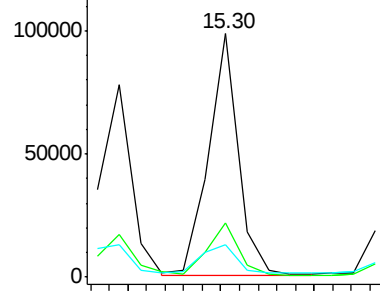
Lab File: BF087987.D

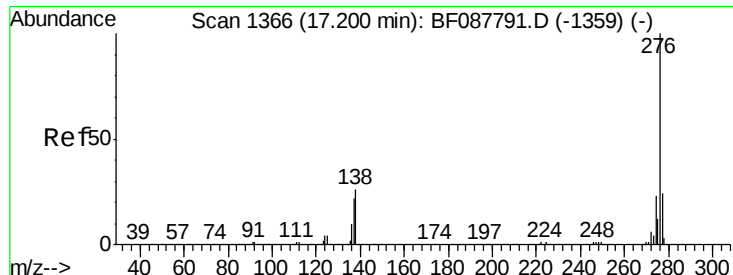
Acq: 13 Jun 2016 17:10

Tgt Ion:	252	Resp:	109855
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.9	26.9
125	13.3	12.5	18.7



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





#91

Benzo(g,h,i)perylene

Concen: 4.67 ng

RT: 17.12 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF087987.D

Acq: 13 Jun 2016 17:10

Instrument :

BNA_F

ClientSampleId :

STA-980-PLATFORM(0-4)

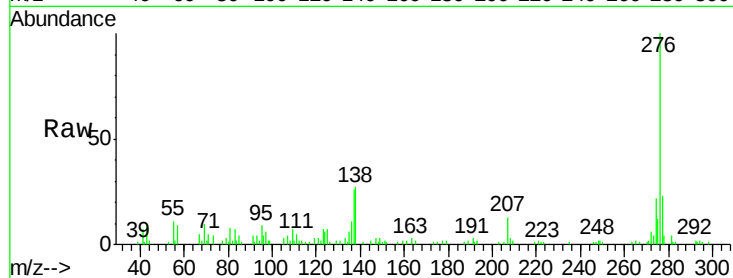
Tgt Ion: 276 Resp: 54621

Ion Ratio Lower Upper

276 100

277 23.5 18.9 28.3

138 26.7 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

