

Data Path : S:\HPCHEM1\BNA_F\DATA\BF060916\
 Data File : BF087854.D
 Acq On : 9 Jun 2016 16:02
 Operator : UM/SJ
 Sample : H3399-16 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-35

Quant Time: Jun 09 16:45:18 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	127815	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	468666	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	209756	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	335196	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	244398	20.00	ng	-0.03
86) Perylene-d12	15.36	264	247366	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	217891	29.14	ng	-0.02
7) Phenol-d6	6.44	99	289116	31.91	ng	-0.03
23) Nitrobenzene-d5	7.38	82	151080	18.82	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	59106	26.69	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	304017	18.43	ng	-0.03
78) Terphenyl-d14	12.91	244	175976	16.38	ng	-0.03

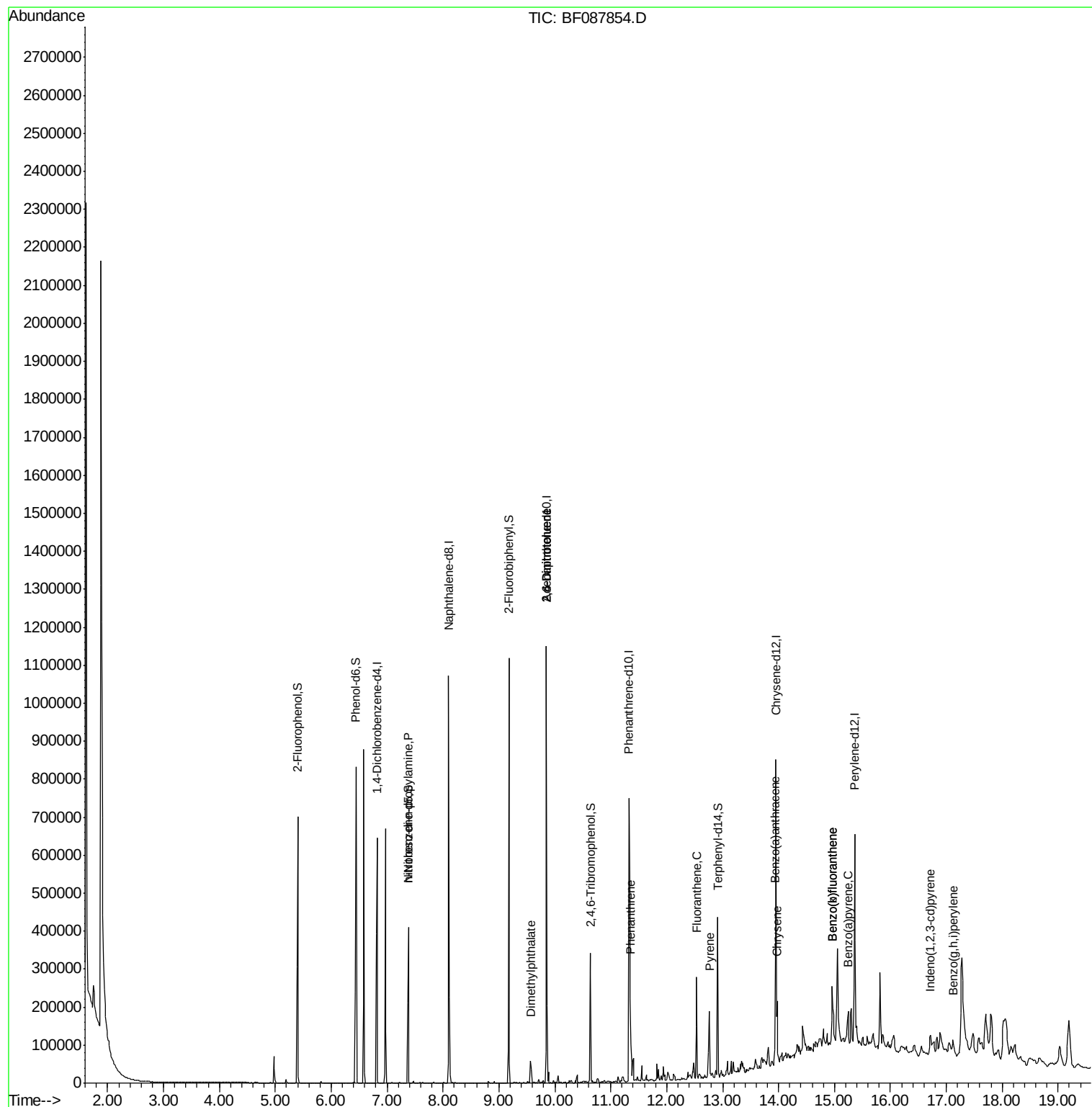
Target Compounds				Qvalue		
10) Phenol	6.46	94	1377	Below Cal		94
19) n-Nitroso-di-n-propylamine	7.38	70	18540	3.20 ng	#	72
45) 1,1'-Biphenyl	9.28	154	885	Below Cal		87
49) Dimethylphthalate	9.56	163	30433	2.00 ng		98
50) 2,6-Dinitrotoluene	9.85	165	27221	7.82 ng	#	39
56) 2,4-Dinitrotoluene	9.85	165	27223	6.09 ng	#	37
57) Fluorene	10.40	166	7154	Below Cal		99
70) Phenanthrene	11.35	178	89277	5.08 ng		98
74) Fluoranthene	12.54	202	122257	6.59 ng		94
77) Pyrene	12.76	202	102193	5.63 ng		97
80) Benzo(a)anthracene	13.94	228	69390	4.98 ng		97
82) Chrysene	13.98	228	47401	3.62 ng		96
85) Indeno(1,2,3-cd)pyrene	16.71	276	30650	2.52 ng	#	100
87) Benzo(b)fluoranthene	14.96	252	100291	5.82 ng	#	94
88) Benzo(k)fluoranthene	14.96	252	100291	7.71 ng		99
89) Benzo(a)pyrene	15.25	252	39265	2.81 ng		96
91) Benzo(g,h,i)perylene	17.12	276	29359	2.20 ng		96

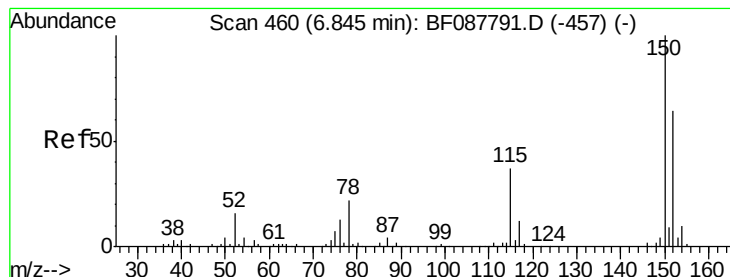
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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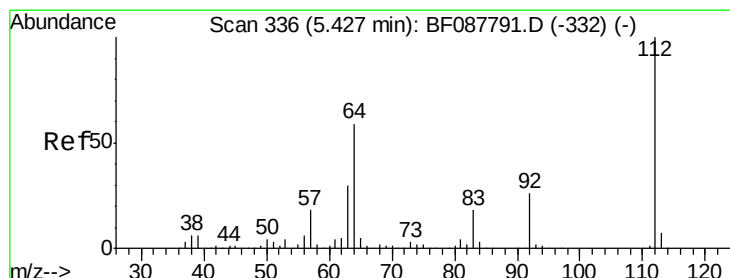
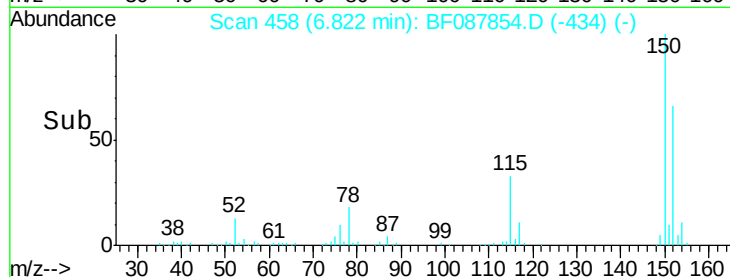
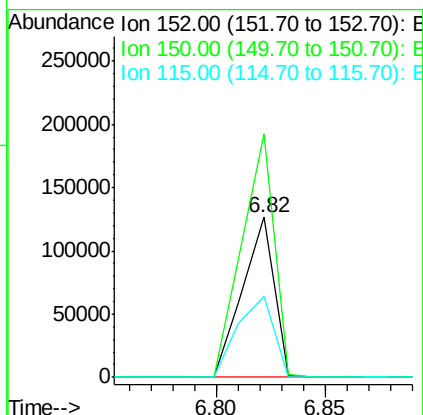
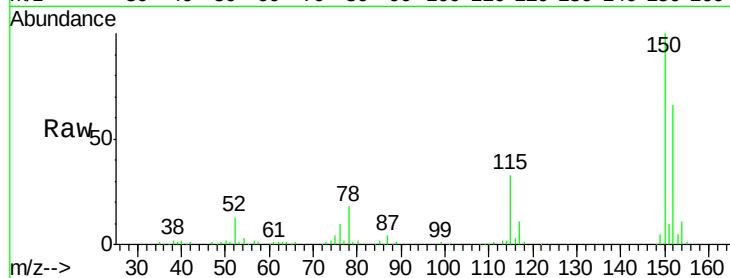




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.82 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF087854.D
 Acq: 9 Jun 2016 16:02

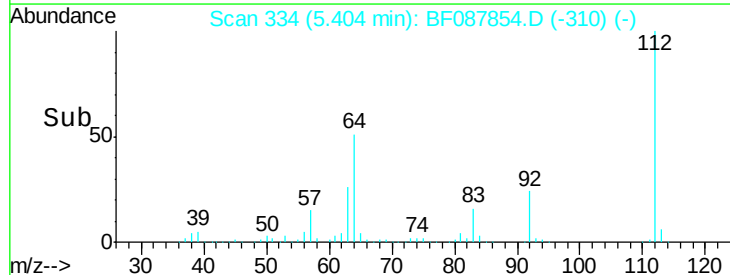
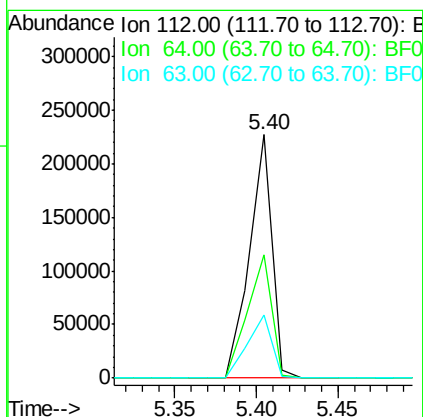
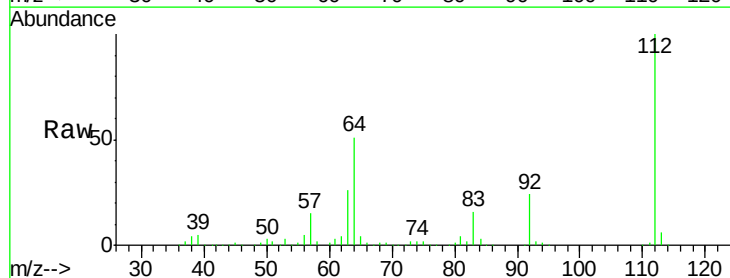
Instrument :
 BNA_F
 ClientSampleId :
 SS-35

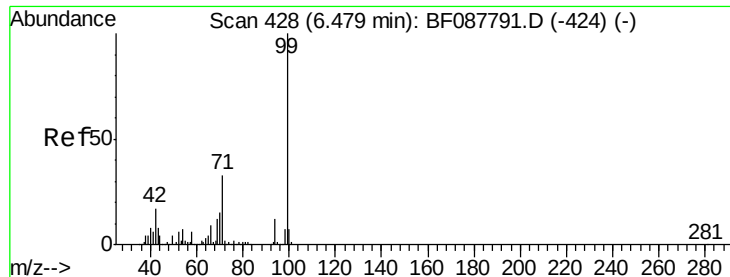
Tgt Ion:152 Resp: 127815
 Ion Ratio Lower Upper
 152 100
 150 152.2 123.8 185.6
 115 50.3 39.6 59.4



#5
 2-Fluorophenol
 Concen: 29.14 ng
 RT: 5.40 min Scan# 334
 Delta R.T. -0.02 min
 Lab File: BF087854.D
 Acq: 9 Jun 2016 16:02

Tgt Ion:112 Resp: 217891
 Ion Ratio Lower Upper
 112 100
 64 50.6 42.2 63.2
 63 25.8 21.8 32.8





#7

Phenol-d6

Concen: 31.91 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087854.D

Acq: 9 Jun 2016 16:02

Instrument :

BNA_F

ClientSampleId :

SS-35

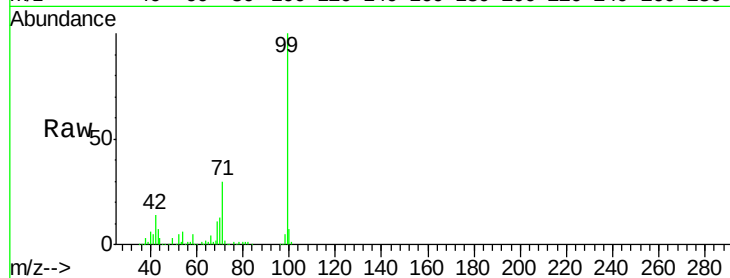
Tgt Ion: 99 Resp: 289116

Ion Ratio Lower Upper

99 100

42 14.4 12.2 18.2

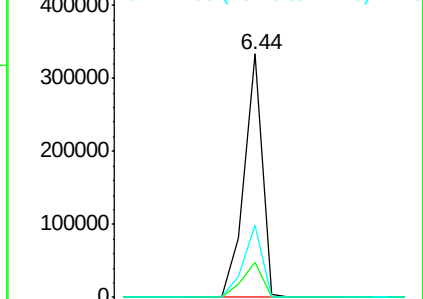
71 29.8 23.4 35.0



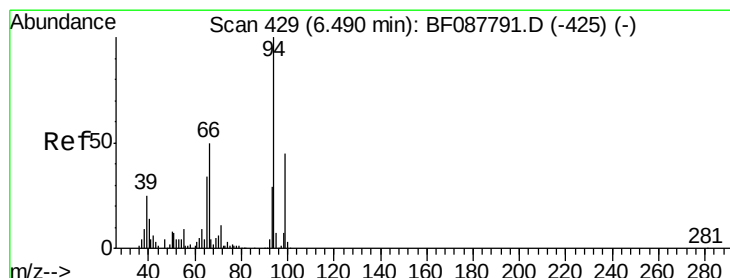
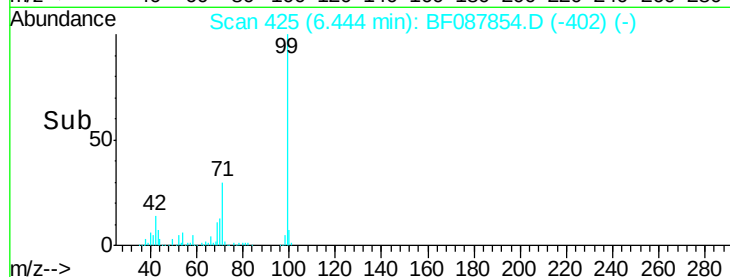
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time--> 6.35 6.40 6.45 6.50



#10

Phenol

Concen: Below Cal

RT: 6.46 min Scan# 426

Delta R.T. -0.03 min

Lab File: BF087854.D

Acq: 9 Jun 2016 16:02

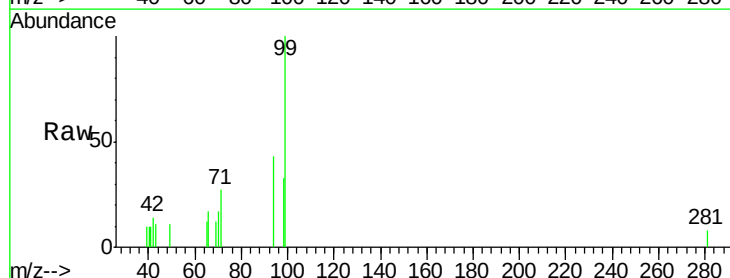
Tgt Ion: 94 Resp: 1377

Ion Ratio Lower Upper

94 100

65 26.7 5.9 45.9

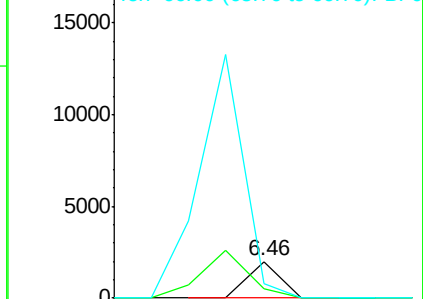
66 39.0 14.0 54.0



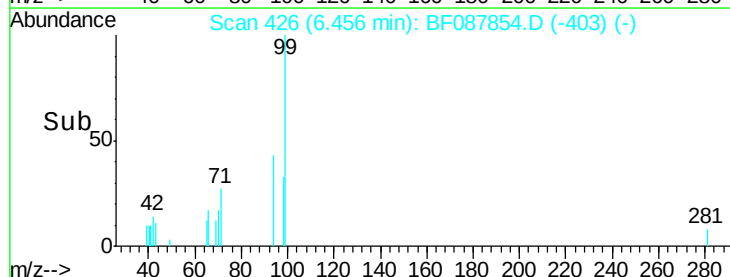
Abundance Ion 94.00 (93.70 to 94.70): BF0

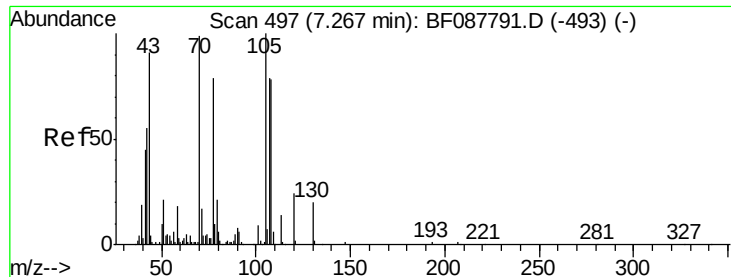
Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



Time--> 6.42 6.44 6.46 6.48

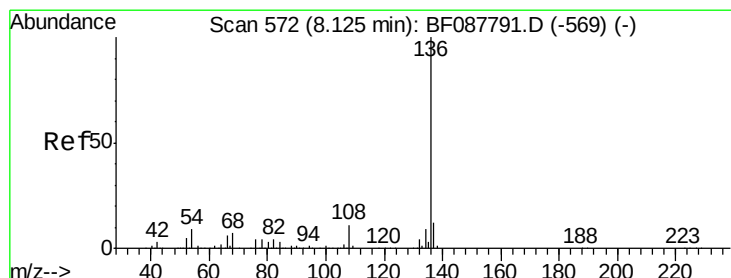
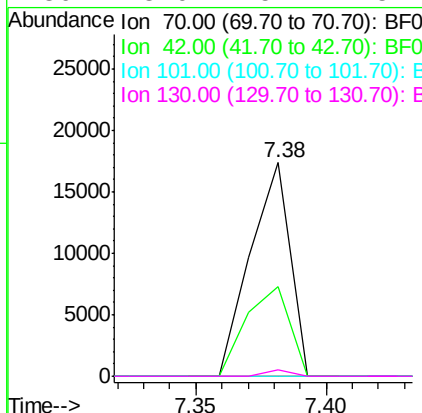
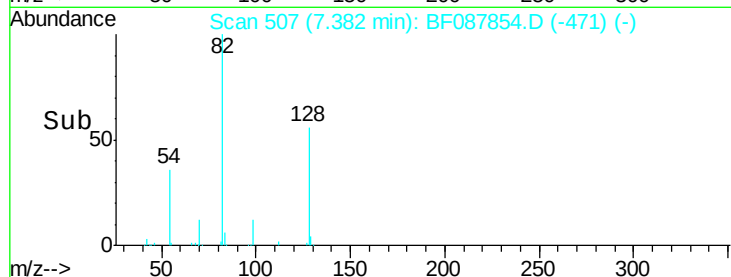
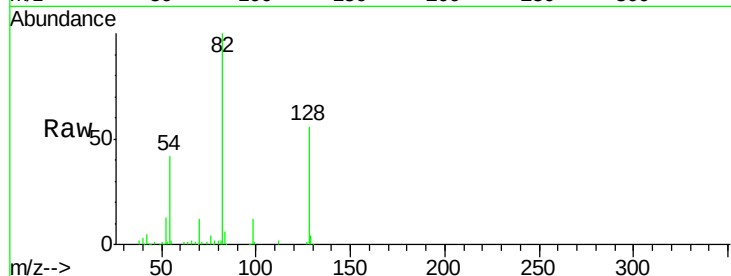




#19
n-Nitroso-di-n-propylamine
Concen: 3.20 ng
RT: 7.38 min Scan# 507
Delta R.T. 0.11 min
Lab File: BF087854.D
Acq: 9 Jun 2016 16:02

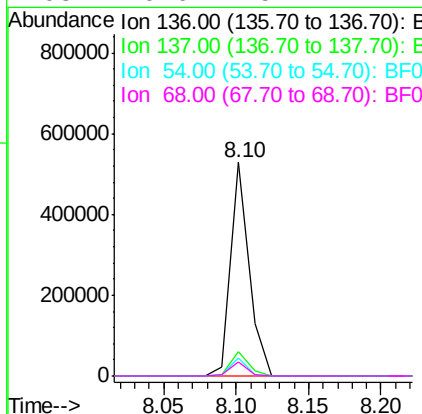
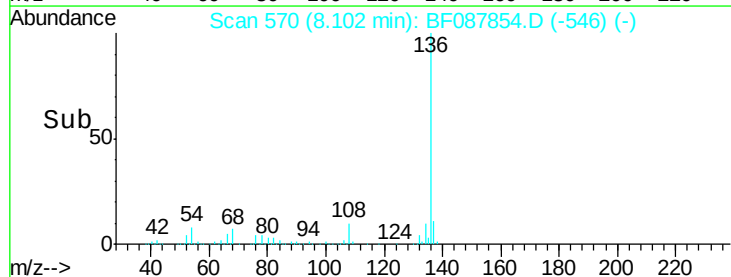
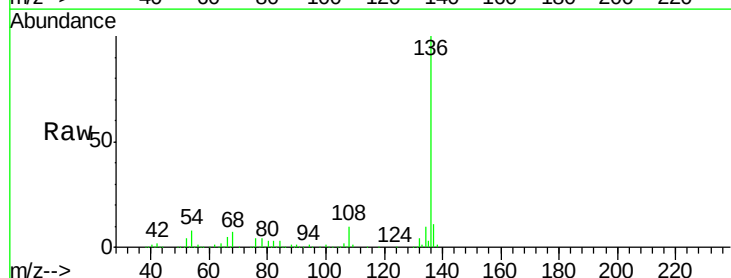
Instrument :
BNA_F
ClientSampled :
SS-35

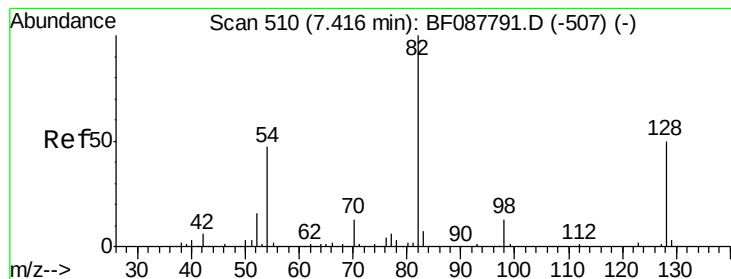
Tgt Ion: 70 Resp: 18540
Ion Ratio Lower Upper
70 100
42 42.0 49.6 74.4#
101 0.0 7.1 10.7#
130 3.0 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF087854.D
Acq: 9 Jun 2016 16:02

Tgt Ion: 136 Resp: 468666
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 8.4 6.6 10.0
68 6.6 5.1 7.7





#23

Nitrobenzene-d5

Concen: 18.82 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087854.D

Acq: 9 Jun 2016 16:02

Instrument :

BNA_F

ClientSampled :

SS-35

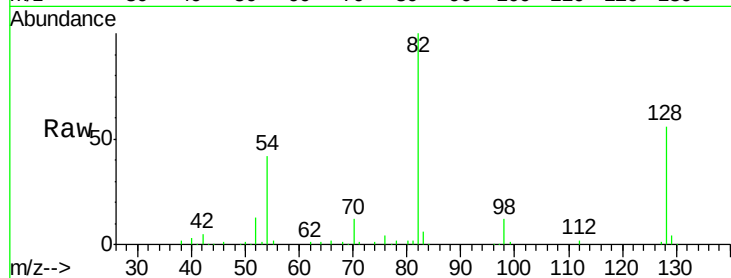
Tgt Ion: 82 Resp: 151080

Ion Ratio Lower Upper

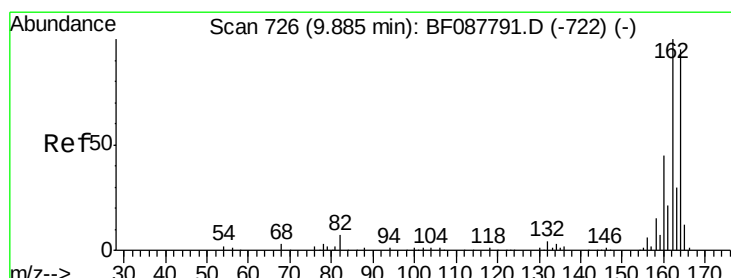
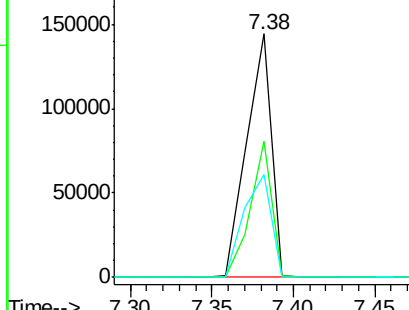
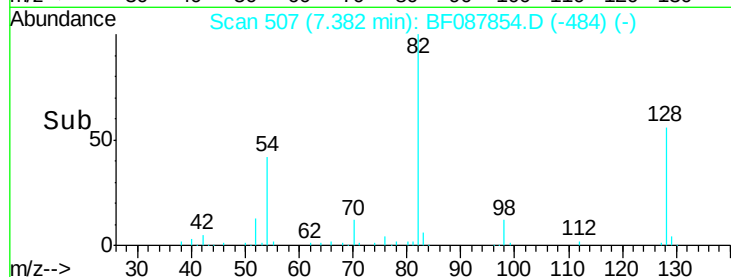
82 100

128 56.0 35.9 53.9#

54 42.4 40.9 61.3



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF087854.D

Acq: 9 Jun 2016 16:02

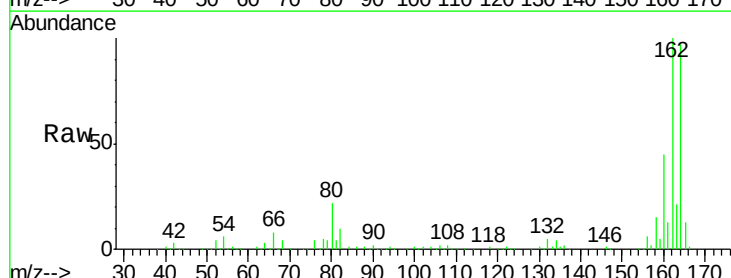
Tgt Ion: 164 Resp: 209756

Ion Ratio Lower Upper

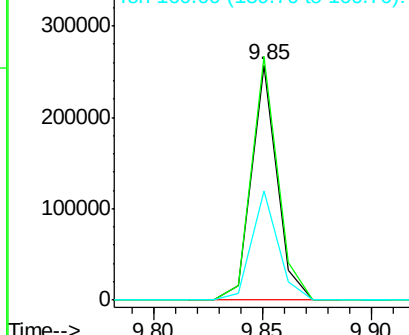
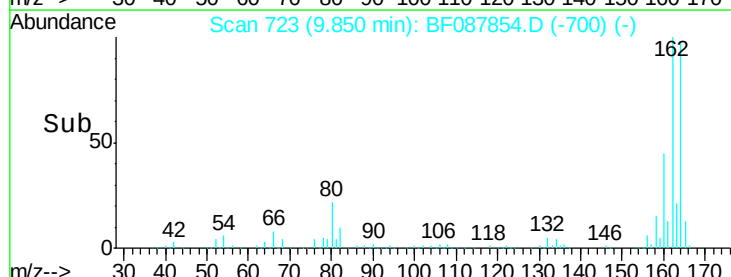
164 100

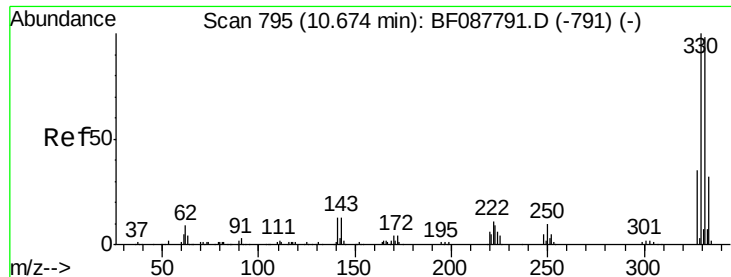
162 103.6 85.4 128.2

160 46.6 39.5 59.3



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

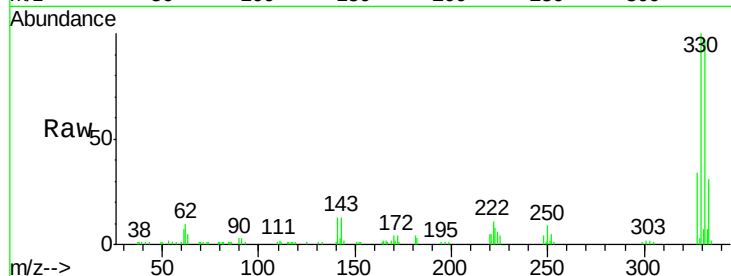




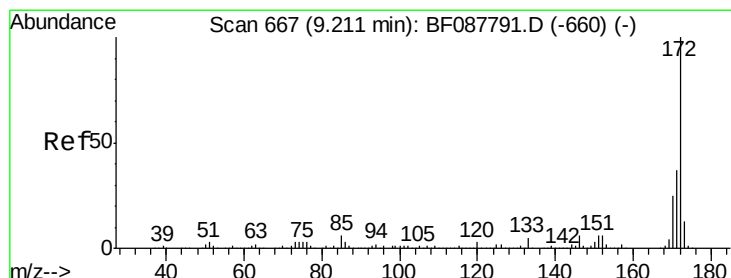
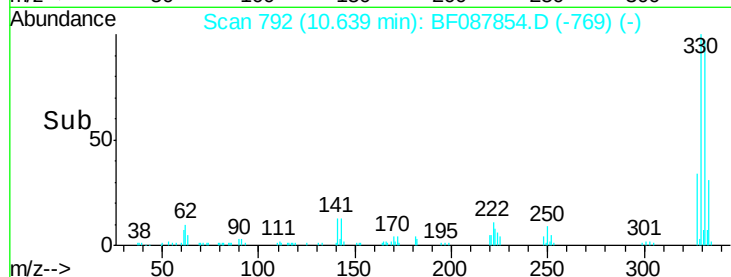
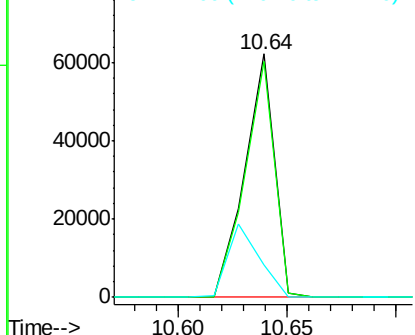
#41
 2,4,6-Tribromophenol
 Concen: 26.69 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087854.D
 Acq: 9 Jun 2016 16:02

Instrument :
 BNA_F
 ClientSampleId :
 SS-35

Tgt Ion: 330 Resp: 59106
 Ion Ratio Lower Upper
 330 100
 332 96.7 0.0 0.0#
 141 31.8 0.0 0.0#

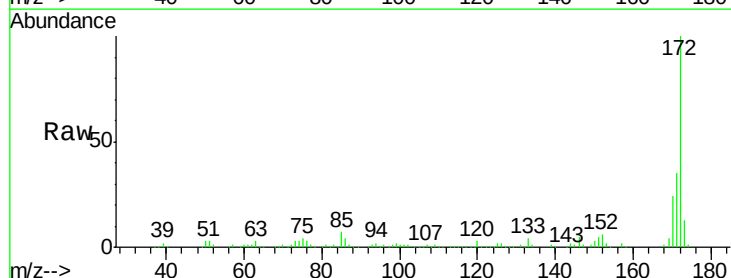


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

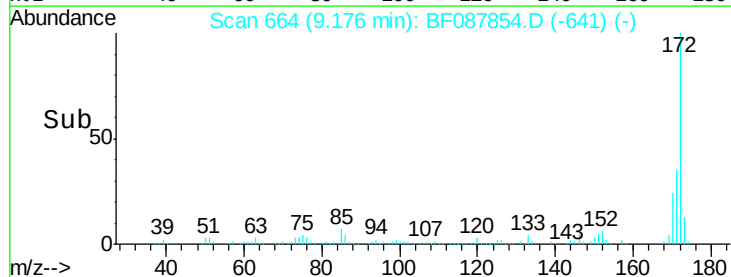
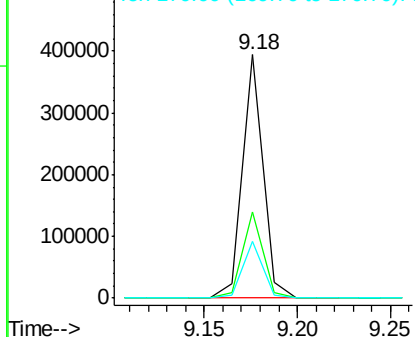


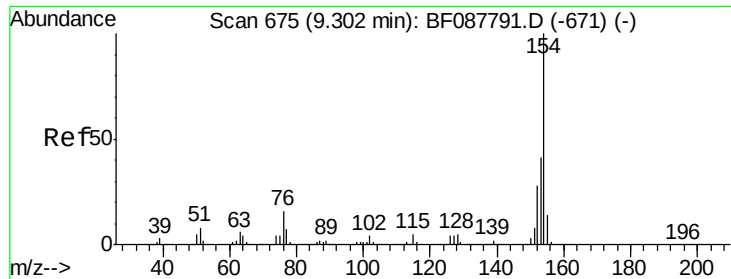
#44
 2-Fluorobiphenyl
 Concen: 18.43 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087854.D
 Acq: 9 Jun 2016 16:02

Tgt Ion: 172 Resp: 304017
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.6 43.0
 170 23.6 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

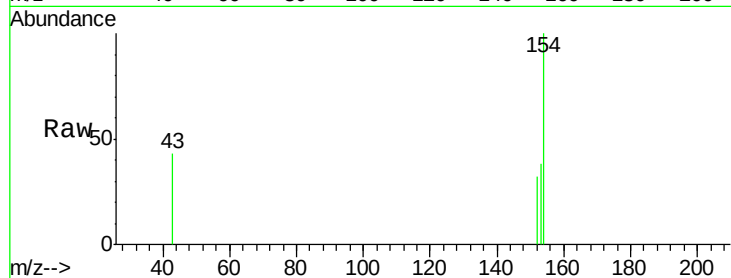




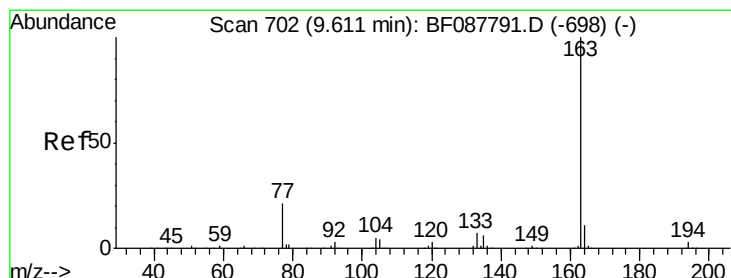
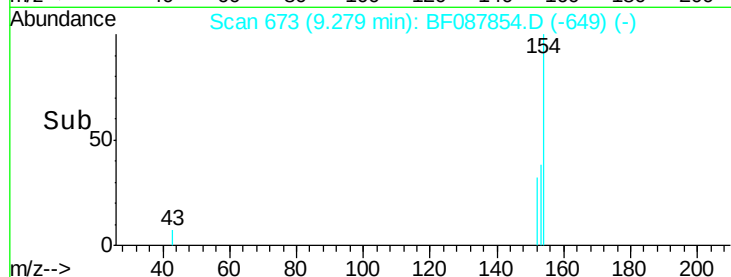
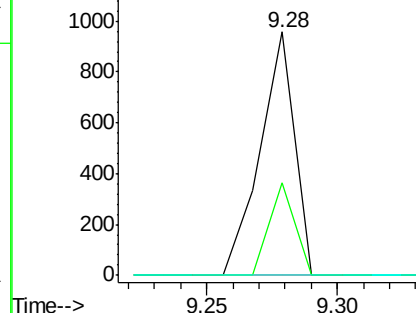
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.28 min Scan# 673
Delta R.T. -0.02 min
Lab File: BF087854.D
Acq: 9 Jun 2016 16:02

Instrument :
BNA_F
ClientSampleId :
SS-35

Tgt Ion:154 Resp: 885
Ion Ratio Lower Upper
154 100
153 37.8 20.6 60.6
76 0.0 0.0 35.1

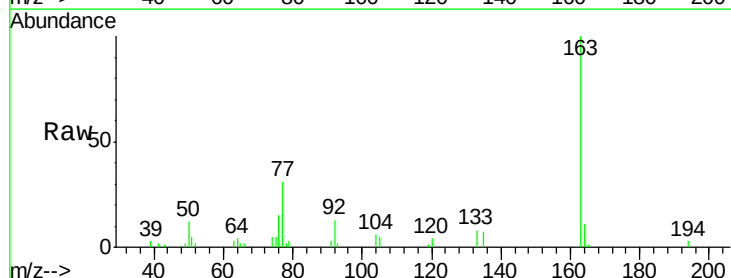


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

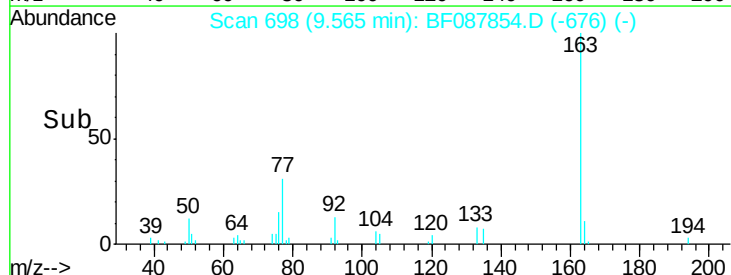
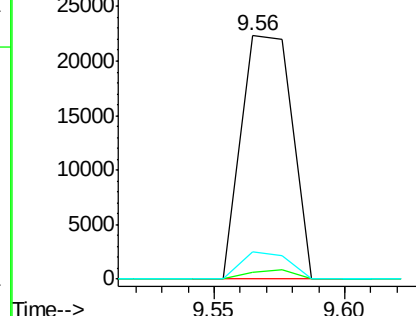


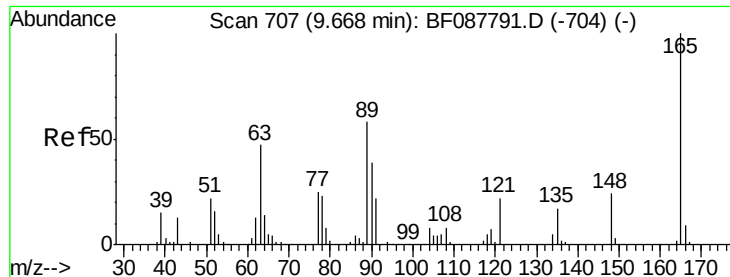
#49
Dimethylphthalate
Concen: 2.00 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.05 min
Lab File: BF087854.D
Acq: 9 Jun 2016 16:02

Tgt Ion:163 Resp: 30433
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 11.1 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

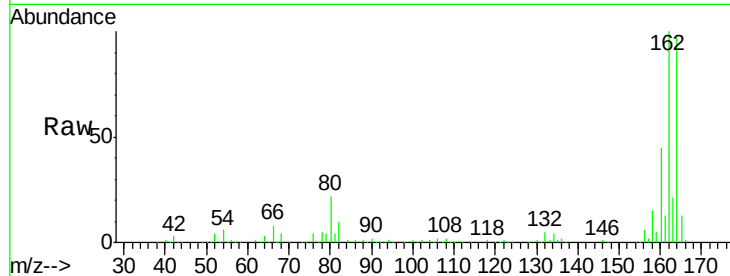




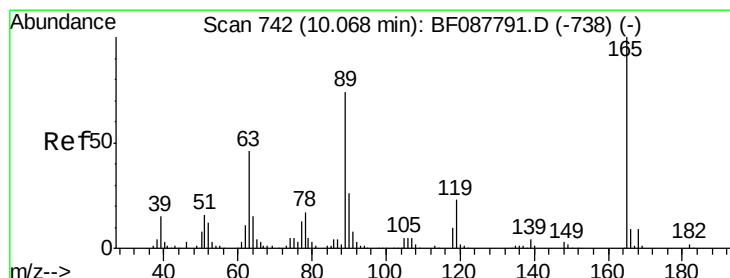
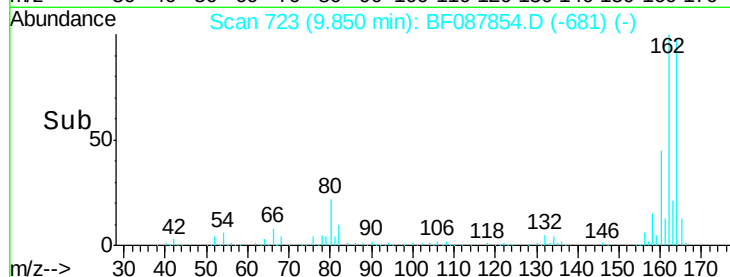
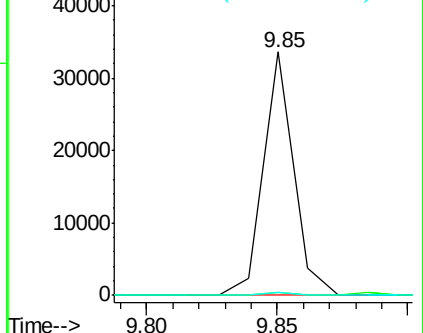
#50
 2,6-Dinitrotoluene
 Concen: 7.82 ng
 RT: 9.85 min Scan# 723
 Delta R.T. 0.18 min
 Lab File: BF087854.D
 Acq: 9 Jun 2016 16:02

Instrument :
 BNA_F
 ClientSampleId :
 SS-35

Tgt Ion:165 Resp: 27221
 Ion Ratio Lower Upper
 165 100
 63 1.2 28.1 42.1#
 89 1.4 32.2 48.2#



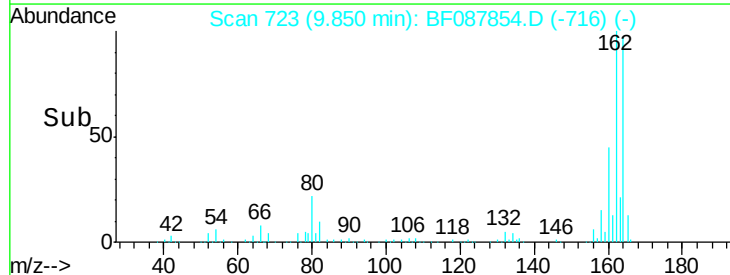
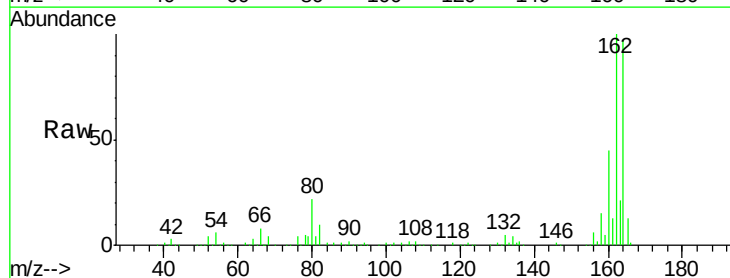
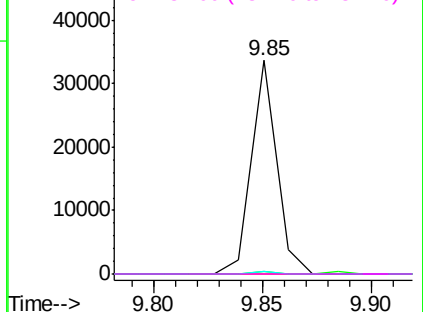
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

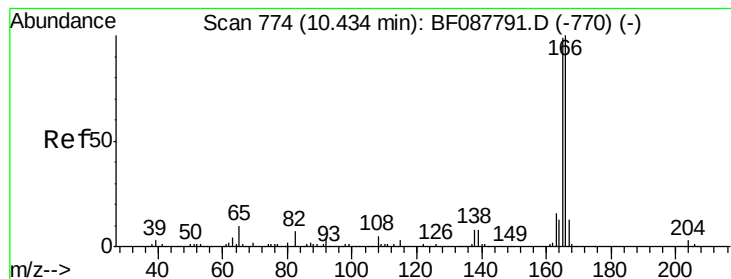


#56
 2,4-Dinitrotoluene
 Concen: 6.09 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.22 min
 Lab File: BF087854.D
 Acq: 9 Jun 2016 16:02

Tgt Ion:165 Resp: 27223
 Ion Ratio Lower Upper
 165 100
 63 1.2 22.0 33.0#
 89 1.4 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: 10.40 min Scan# 771

Delta R.T. -0.03 min

Lab File: BF087854.D

Acq: 9 Jun 2016 16:02

Instrument :

BNA_F

ClientSampleId :

SS-35

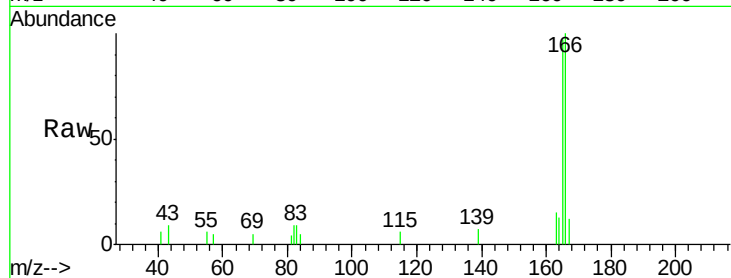
Tgt Ion:166 Resp: 7154

Ion Ratio Lower Upper

166 100

165 97.1 77.8 116.8

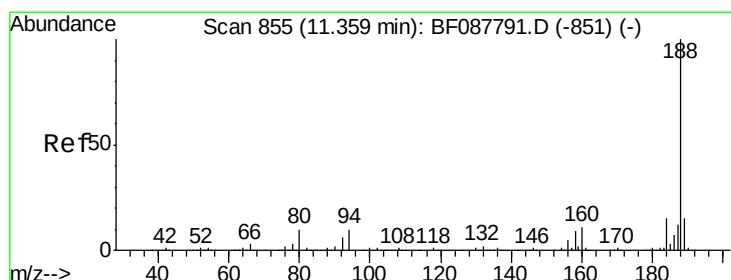
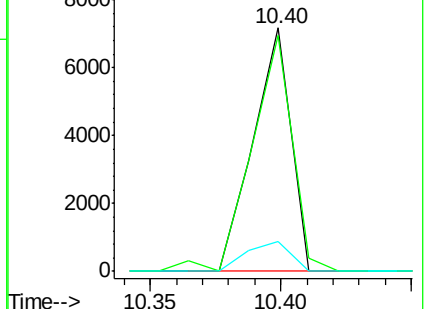
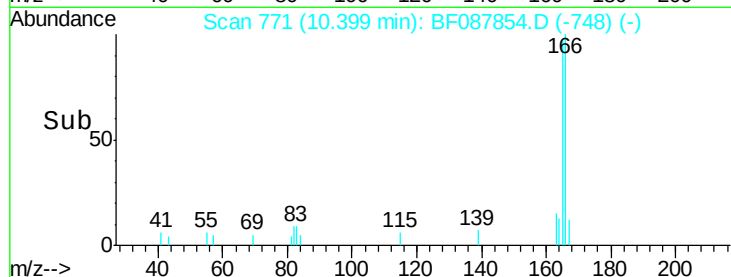
167 12.3 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087854.D

Acq: 9 Jun 2016 16:02

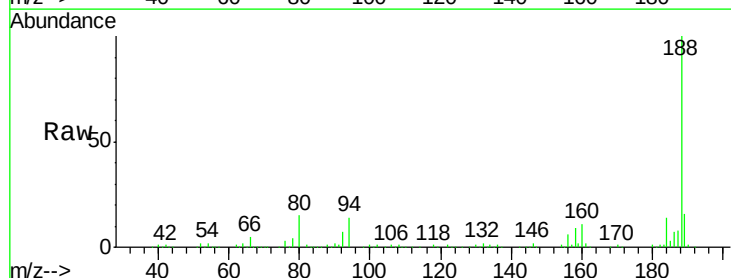
Tgt Ion:188 Resp: 335196

Ion Ratio Lower Upper

188 100

94 13.6 9.0 13.6#

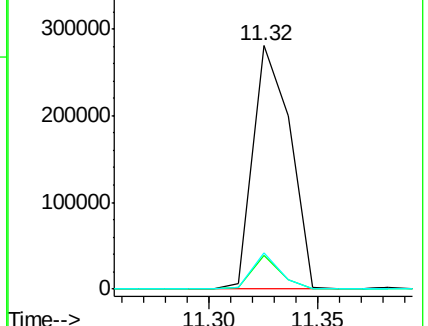
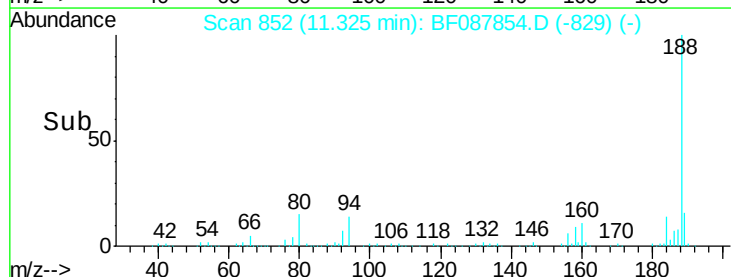
80 14.6 10.0 15.0

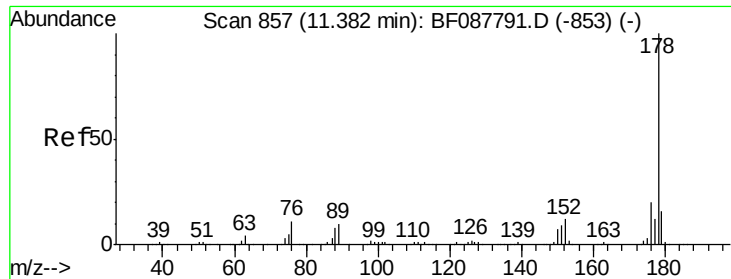


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

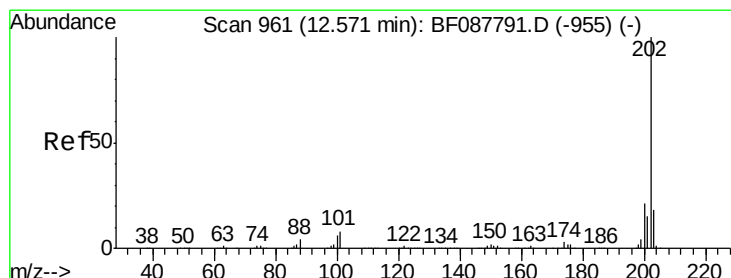
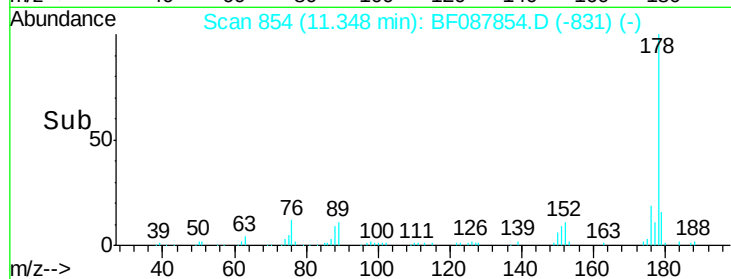
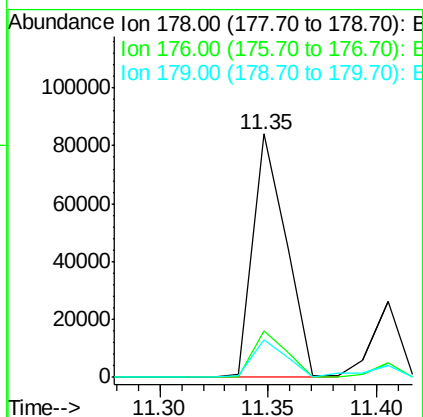
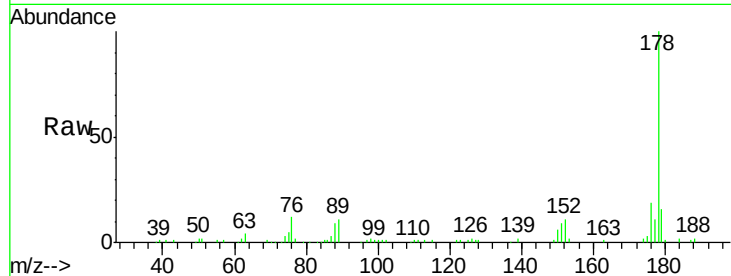




#70
Phenanthrene
Concen: 5.08 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087854.D
Acq: 9 Jun 2016 16:02

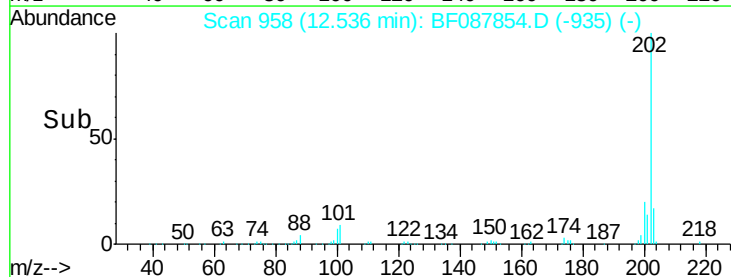
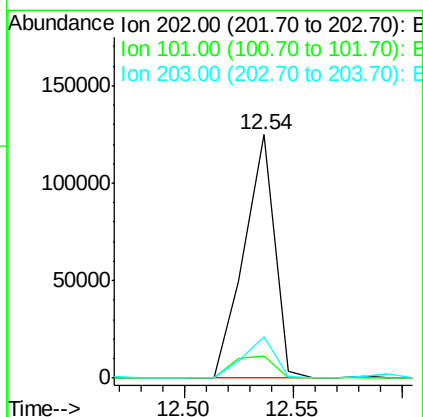
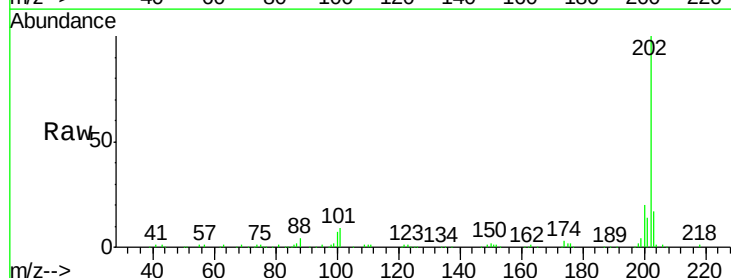
Instrument :
BNA_F
ClientSampleId :
SS-35

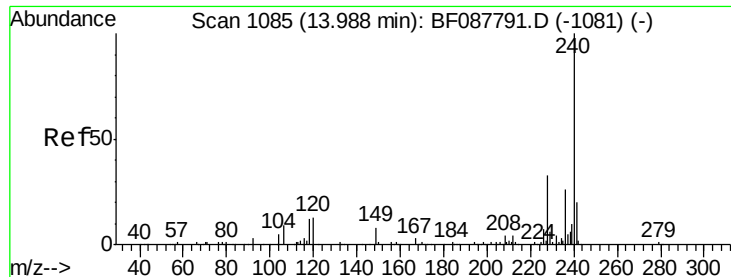
Tgt Ion:178 Resp: 89277
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.5 13.0 19.4



#74
Fluoranthene
Concen: 6.59 ng
RT: 12.54 min Scan# 958
Delta R.T. -0.03 min
Lab File: BF087854.D
Acq: 9 Jun 2016 16:02

Tgt Ion:202 Resp: 122257
Ion Ratio Lower Upper
202 100
101 9.1 0.0 33.1
203 17.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087854.D

Acq: 9 Jun 2016 16:02

Instrument :

BNA_F

ClientSampleId :

SS-35

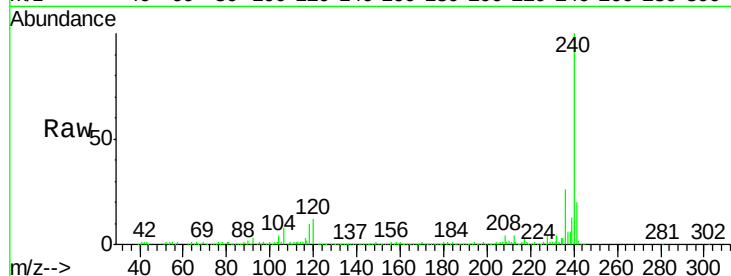
Tgt Ion:240 Resp: 244398

Ion Ratio Lower Upper

240 100

120 11.8 6.8 10.2#

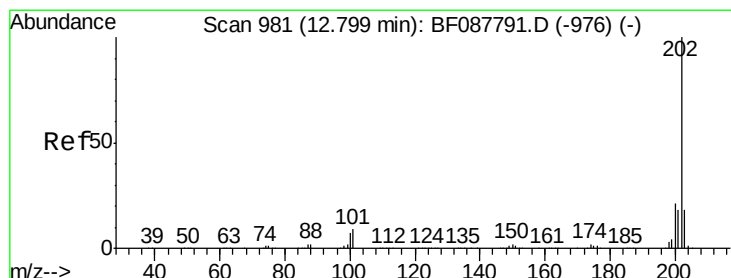
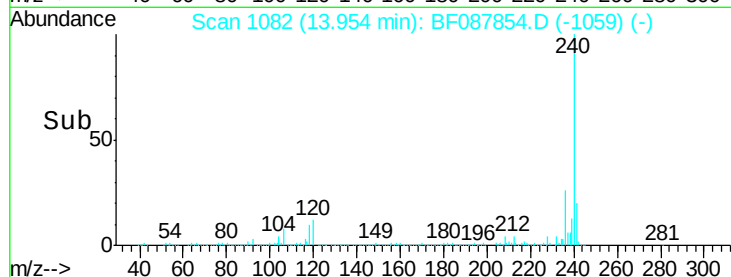
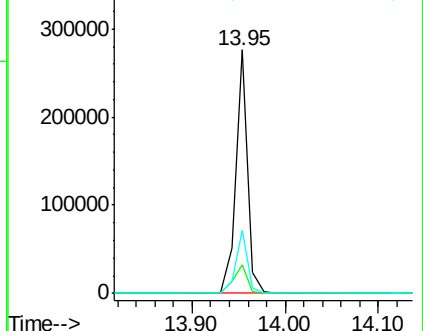
236 26.1 20.2 30.2



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: 5.63 ng

RT: 12.76 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF087854.D

Acq: 9 Jun 2016 16:02

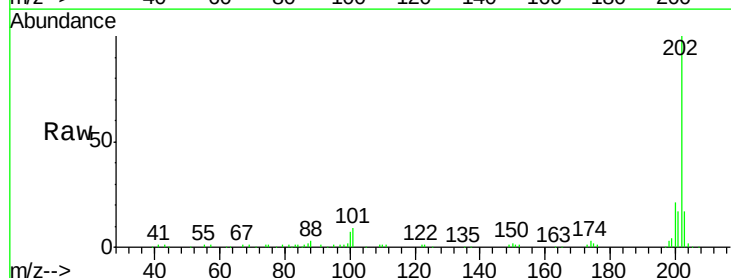
Tgt Ion:202 Resp: 102193

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

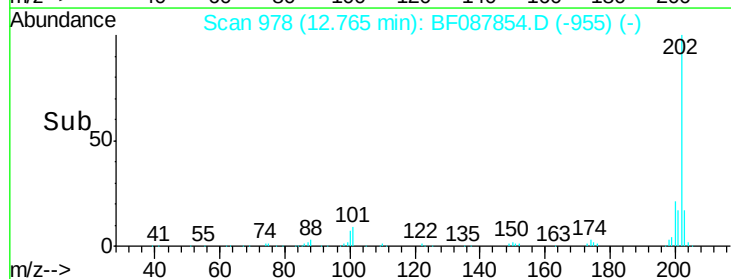
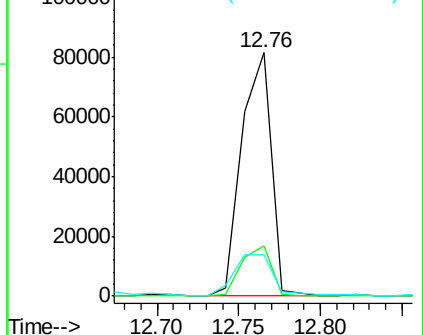
203 17.0 14.5 21.7

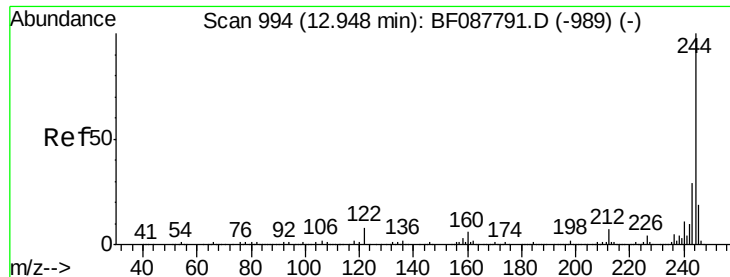


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

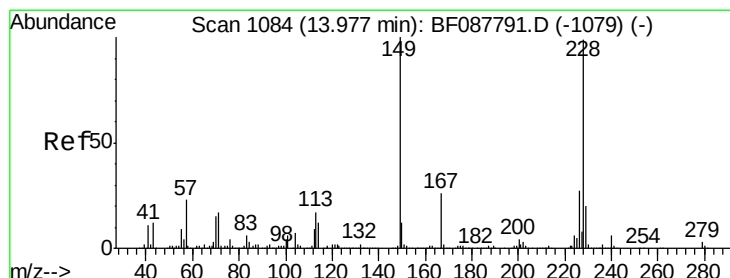
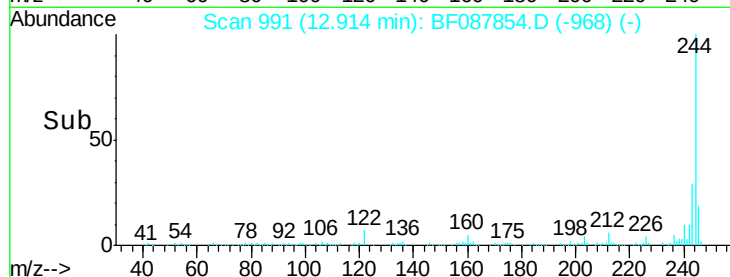
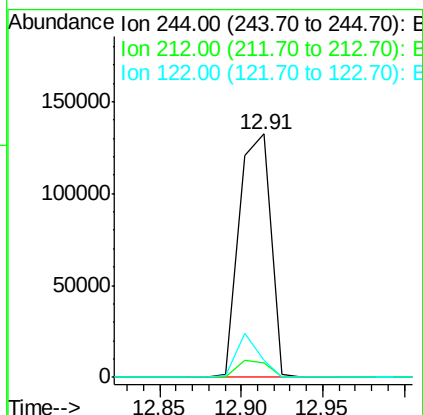
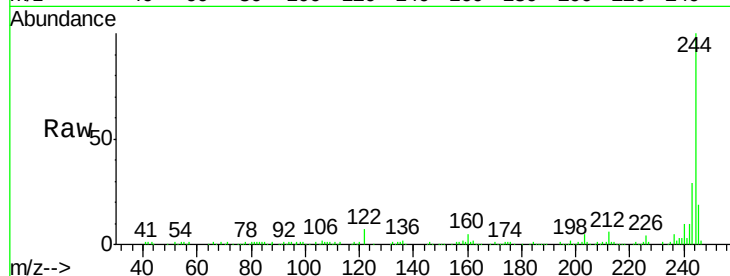




#78
 Terphenyl-d14
 Concen: 16.38 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087854.D
 Acq: 9 Jun 2016 16:02

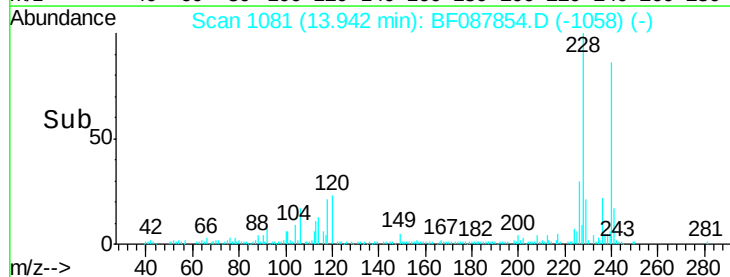
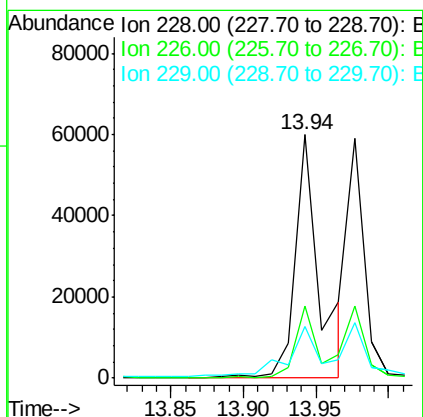
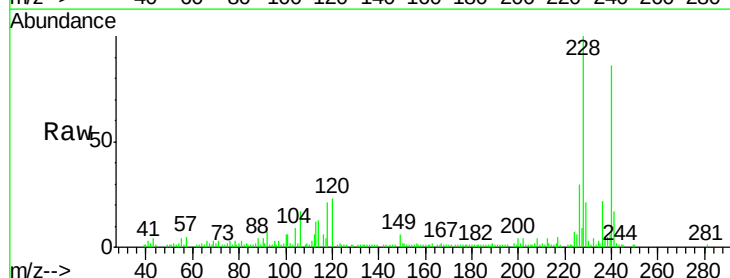
Instrument :
 BNA_F
 ClientSampleId :
 SS-35

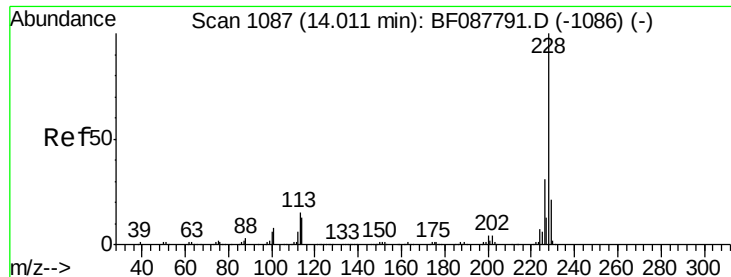
Tgt Ion:244 Resp: 175976
 Ion Ratio Lower Upper
 244 100
 212 6.0 6.0 9.0
 122 7.2 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 4.98 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. -0.03 min
 Lab File: BF087854.D
 Acq: 9 Jun 2016 16:02

Tgt Ion:228 Resp: 69390
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.3 33.5
 229 21.4 16.0 24.0





#82

Chrysene

Concen: 3.62 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087854.D

Acq: 9 Jun 2016 16:02

Instrument :

BNA_F

ClientSampled :

SS-35

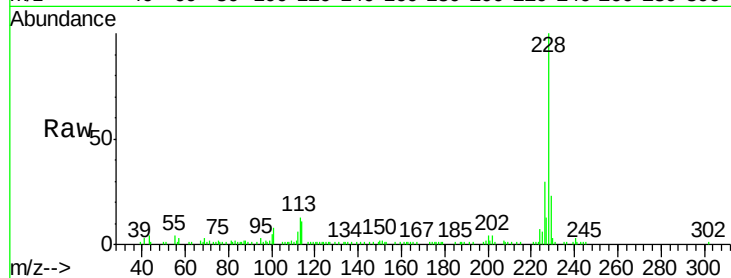
Tgt Ion: 228 Resp: 47401

Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.2

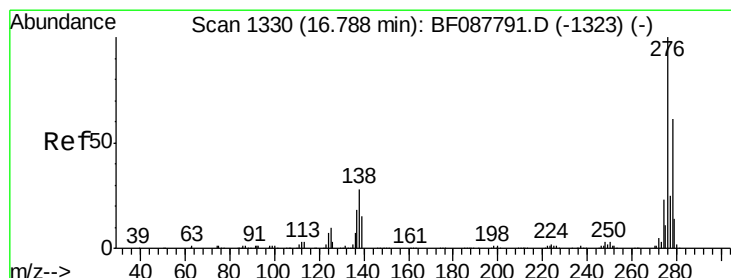
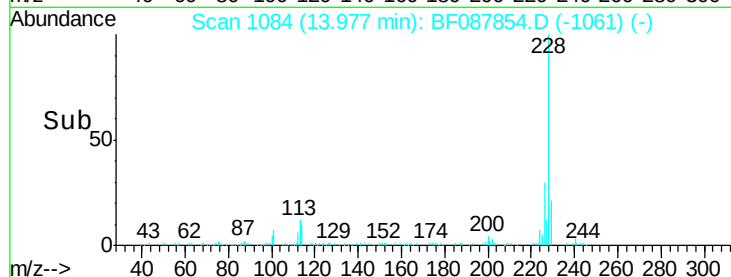
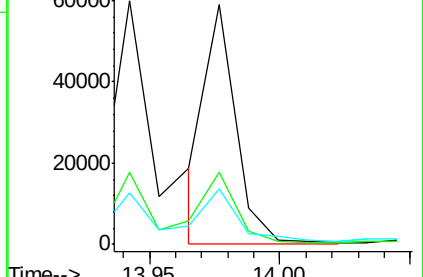
229 22.9 16.3 24.5



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: 2.52 ng

RT: 16.71 min Scan# 1323

Delta R.T. -0.08 min

Lab File: BF087854.D

Acq: 9 Jun 2016 16:02

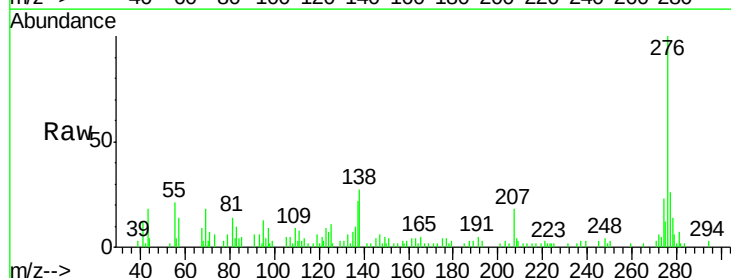
Tgt Ion: 276 Resp: 30650

Ion Ratio Lower Upper

276 100

138 28.9 0.0 0.0#

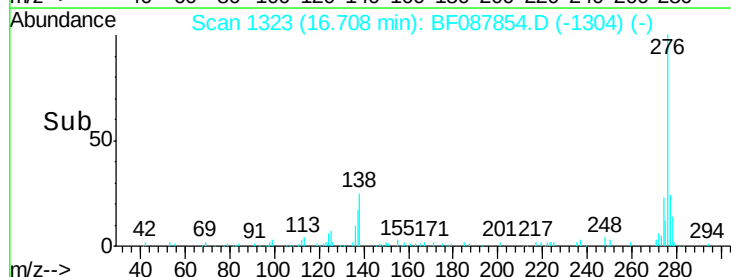
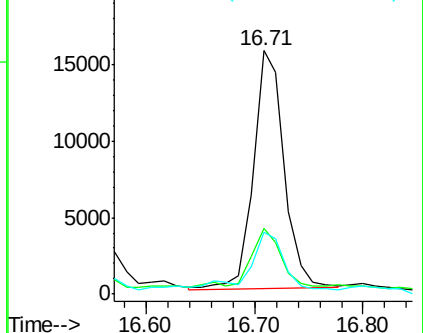
277 36.1 0.0 0.0#

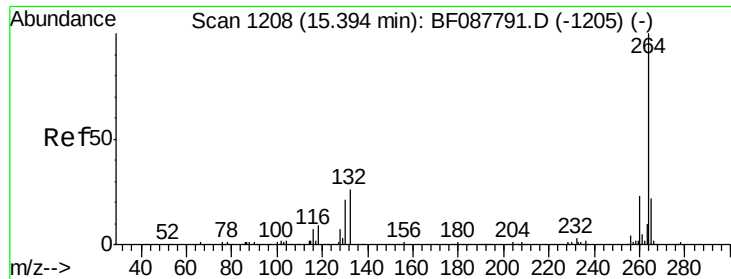


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



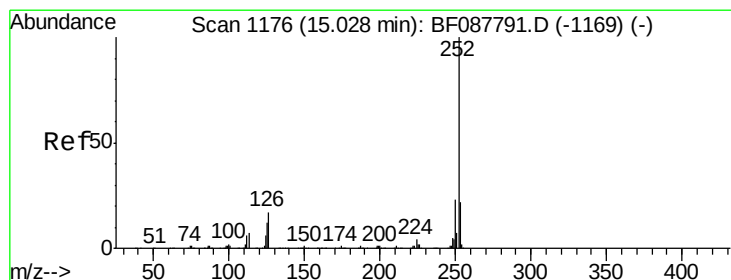
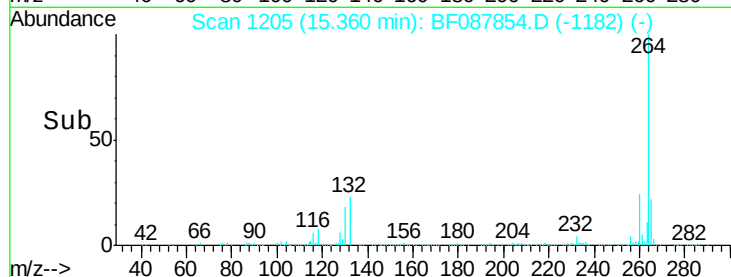
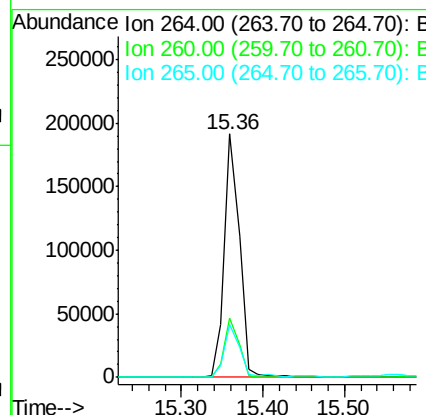
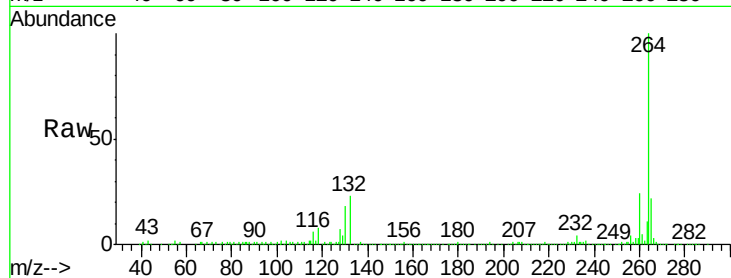


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087854.D
Acq: 9 Jun 2016 16:02

Instrument :
BNA_F
ClientSampleId :
SS-35

Tgt Ion: 264 Resp: 247366

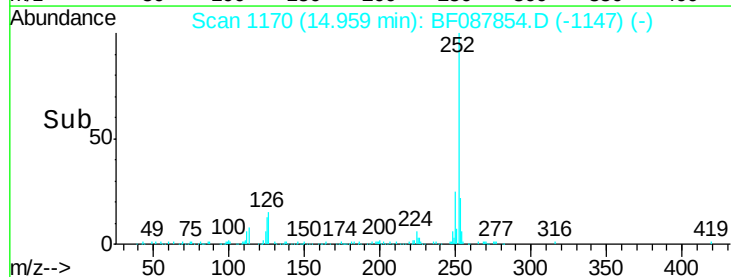
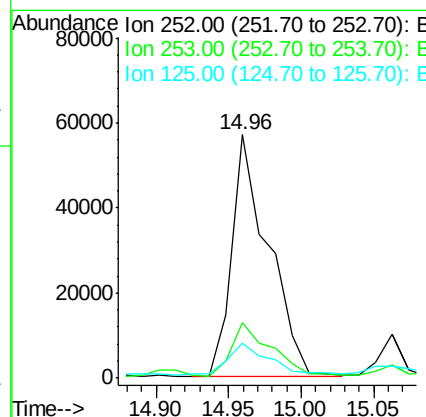
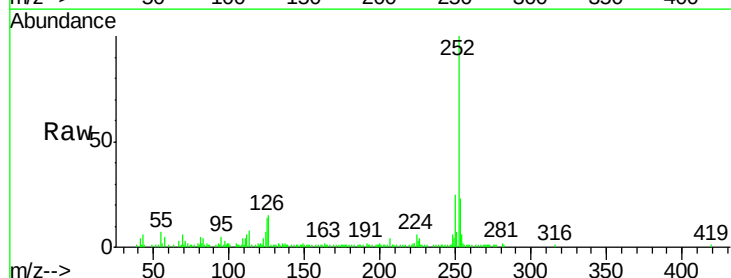
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.9	16.9	25.3

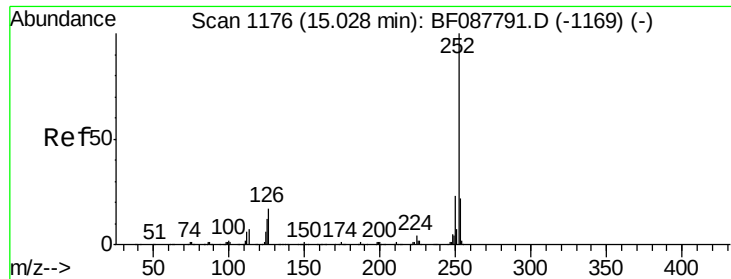


#87
Benzo(b)fluoranthene
Concen: 5.82 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF087854.D
Acq: 9 Jun 2016 16:02

Tgt Ion: 252 Resp: 100291

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	14.5	7.1	10.7#

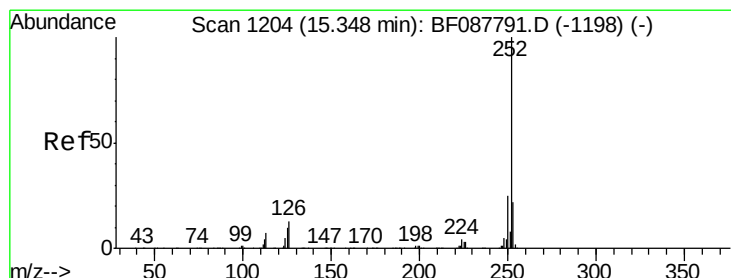
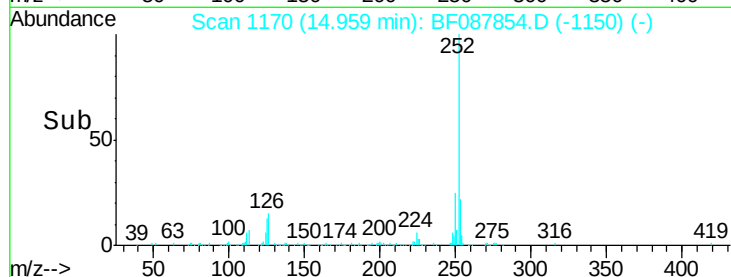
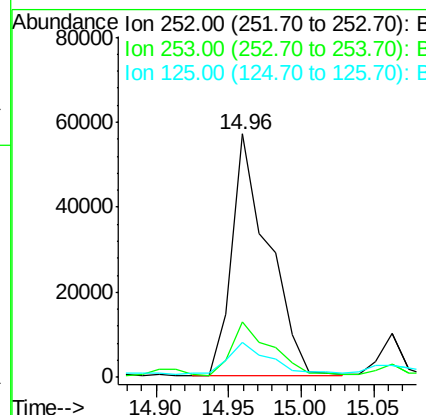
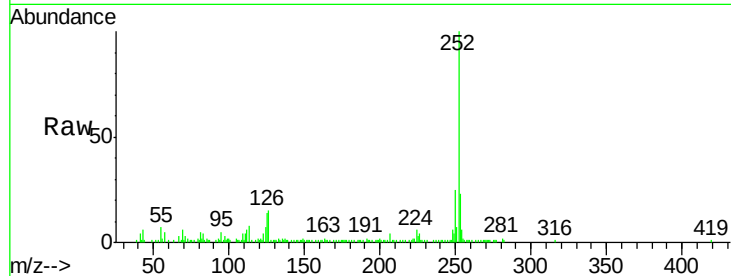




#88
Benzo(k)fluoranthene
Concen: 7.71 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.07 min
Lab File: BF087854.D
Acq: 9 Jun 2016 16:02

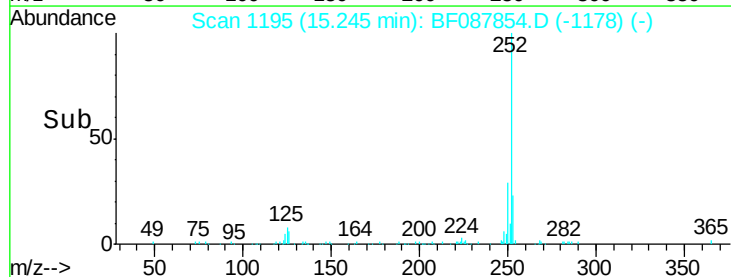
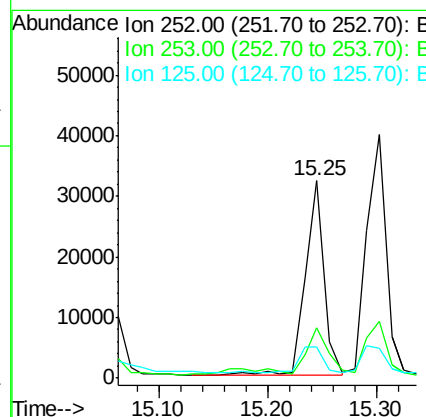
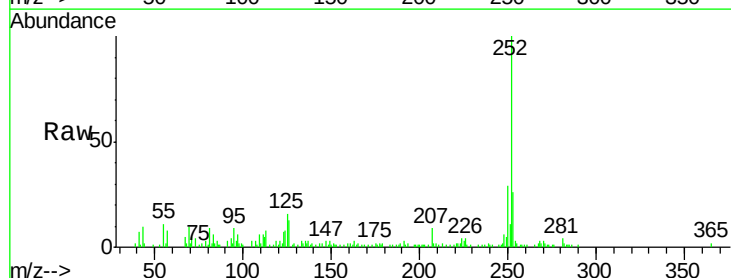
Instrument :
BNA_F
ClientSampleId :
SS-35

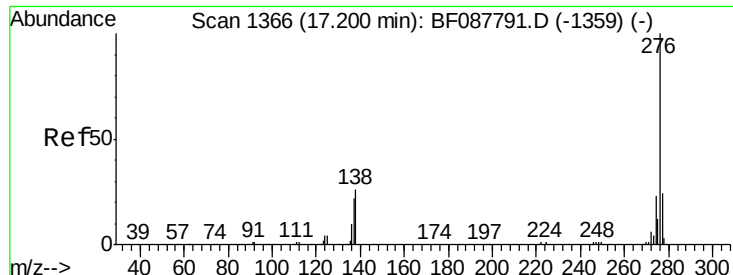
Tgt Ion:	252	Resp:	100291
Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	14.5	11.2	16.8



#89
Benzo(a)pyrene
Concen: 2.81 ng
RT: 15.25 min Scan# 1195
Delta R.T. -0.10 min
Lab File: BF087854.D
Acq: 9 Jun 2016 16:02

Tgt Ion:	252	Resp:	39265
Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	15.8	12.5	18.7





#91

Benzo(g,h,i)perylene

Concen: 2.20 ng

RT: 17.12 min Scan# 1359

Delta R.T. -0.08 min

Lab File: BF087854.D

Acq: 9 Jun 2016 16:02

Instrument :

BNA_F

ClientSampleId :

SS-35

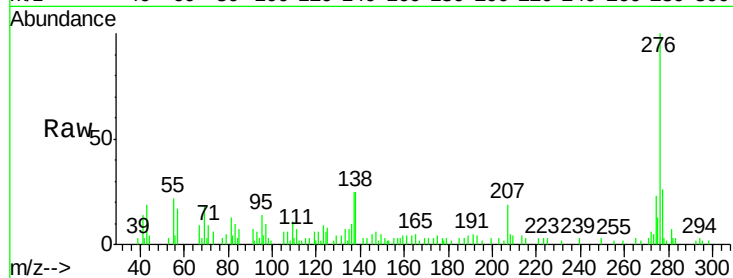
Tgt Ion: 276 Resp: 29359

Ion Ratio Lower Upper

276 100

277 25.8 18.9 28.3

138 24.7 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

