

Data Path : S:\HPCHEM1\BNA_F\DATA\BF060916\
 Data File : BF087858.D
 Acq On : 9 Jun 2016 17:57
 Operator : UM/SJ
 Sample : H3399-15 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-34

Quant Time: Jun 09 18:38:17 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	120857	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	426116	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	184388	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	278114	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	231100	20.00	ng	-0.03
86) Perylene-d12	15.36	264	199033	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	321715	45.51	ng	-0.02
7) Phenol-d6	6.44	99	382715	44.67	ng	-0.03
23) Nitrobenzene-d5	7.38	82	268371	36.78	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	87825	45.11	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	426440	32.94	ng	-0.03
78) Terphenyl-d14	12.91	244	266407	26.23	ng	-0.03

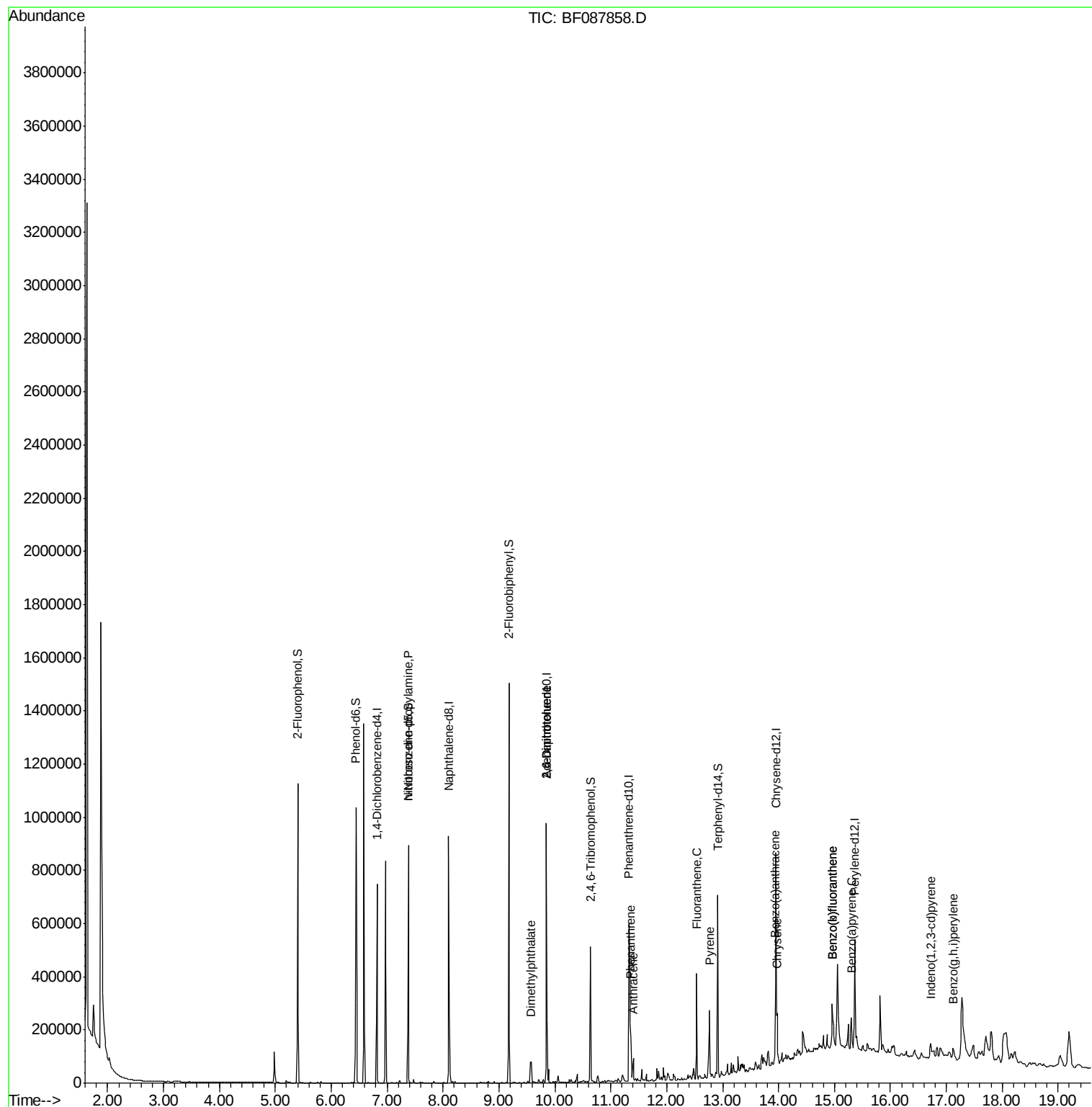
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	1839	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.38	70	34142	6.23	ng	73
45) 1,1'-Biphenyl	9.28	154	1188	Below Cal		88
49) Dimethylphthalate	9.58	163	52303	3.92	ng	98
50) 2,6-Dinitrotoluene	9.85	165	23835	7.79	ng	# 39
56) 2,4-Dinitrotoluene	9.85	165	23836	6.06	ng	# 37
57) Fluorene	10.40	166	9998	Below Cal		93
70) Phenanthrene	11.35	178	109684	7.52	ng	99
71) Anthracene	11.40	178	31084	2.11	ng	99
74) Fluoranthene	12.54	202	152704	9.92	ng	96
77) Pyrene	12.76	202	131785	7.68	ng	97
80) Benzo(a)anthracene	13.94	228	81298	6.17	ng	97
82) Chrysene	13.98	228	59550	4.81	ng	97
85) Indeno(1,2,3-cd)pyrene	16.72	276	30880	2.68	ng	# 100
87) Benzo(b)fluoranthene	14.96	252	111105	8.01	ng	# 93
88) Benzo(k)fluoranthene	14.96	252	111105	10.62	ng	98
89) Benzo(a)pyrene	15.30	252	53893	4.80	ng	98
91) Benzo(g,h,i)perylene	17.12	276	31027	2.89	ng	97

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

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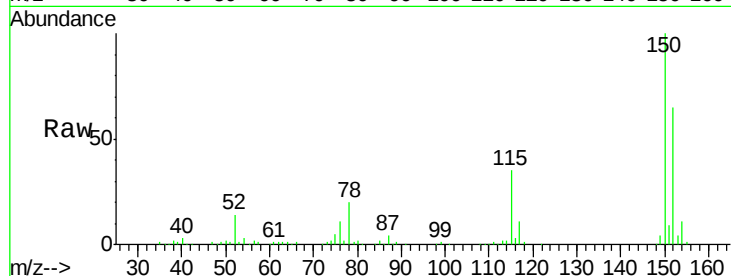




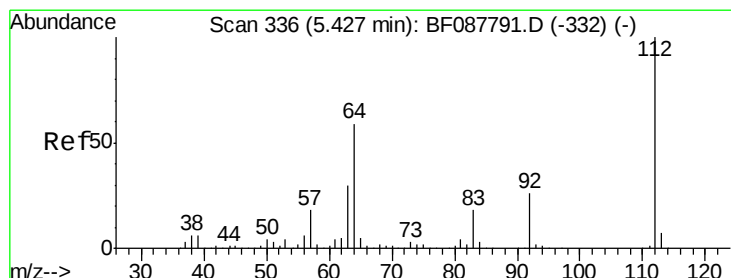
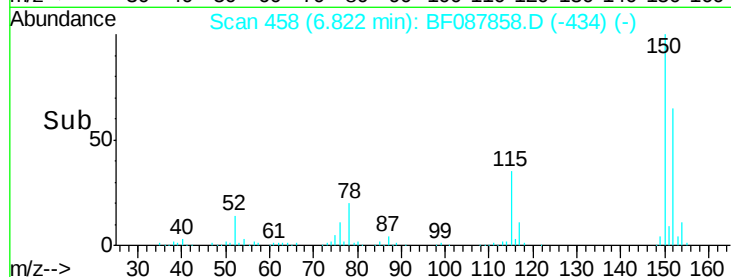
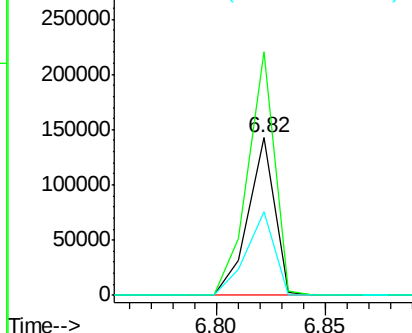
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.82 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF087858.D
 Acq: 9 Jun 2016 17:57

Instrument :
 BNA_F
 ClientSampleId :
 SS-34

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.5	123.8	185.6
115	53.4	39.6	59.4

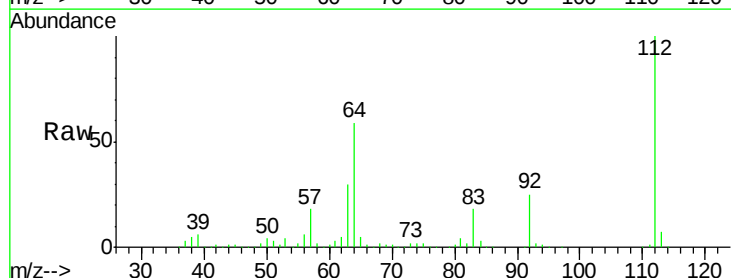


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

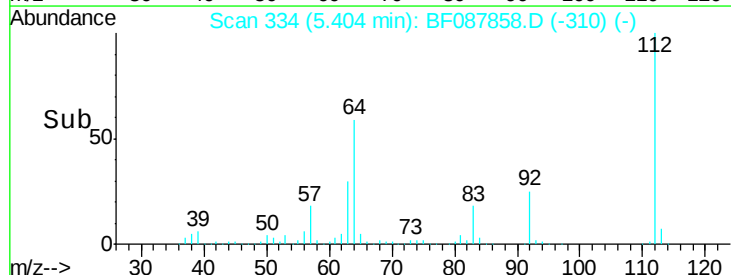
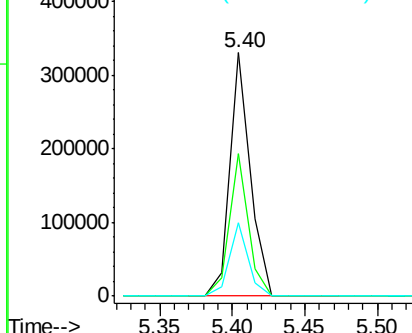


#5
 2-Fluorophenol
 Concen: 45.51 ng
 RT: 5.40 min Scan# 334
 Delta R.T. -0.02 min
 Lab File: BF087858.D
 Acq: 9 Jun 2016 17:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	42.2	63.2
63	30.0	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: 44.67 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087858.D

Acq: 9 Jun 2016 17:57

Instrument :

BNA_F

ClientSampled :

SS-34

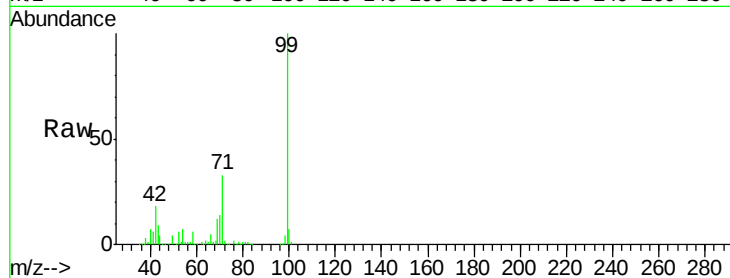
Tgt Ion: 99 Resp: 382715

Ion Ratio Lower Upper

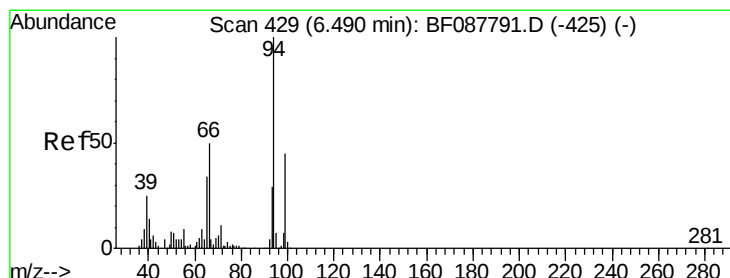
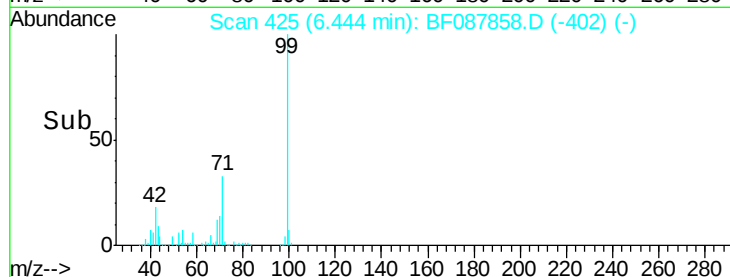
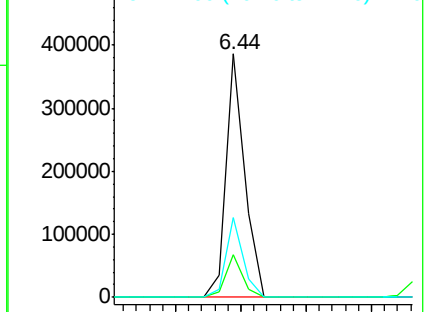
99 100

42 17.7 12.2 18.2

71 32.8 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



#10

Phenol

Concen: Below Cal

RT: 6.46 min Scan# 426

Delta R.T. -0.03 min

Lab File: BF087858.D

Acq: 9 Jun 2016 17:57

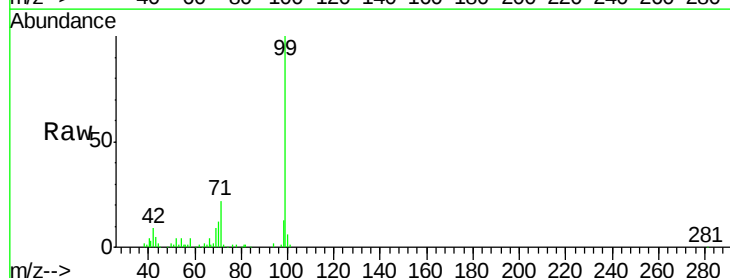
Tgt Ion: 94 Resp: 1839

Ion Ratio Lower Upper

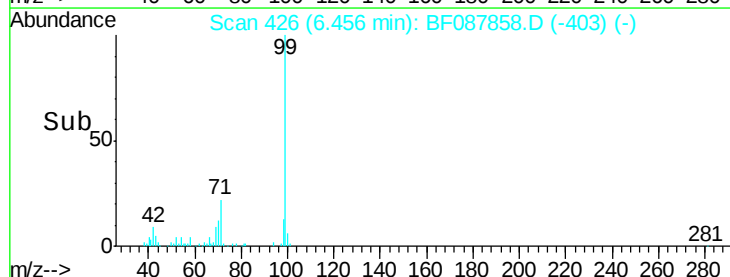
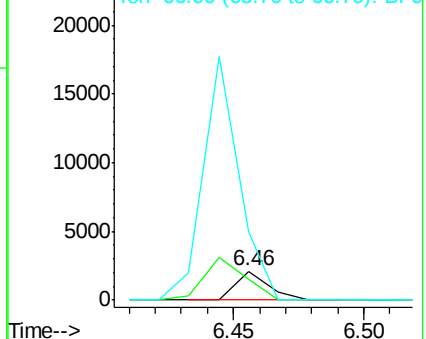
94 100

65 71.3 5.9 45.9#

66 237.3 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

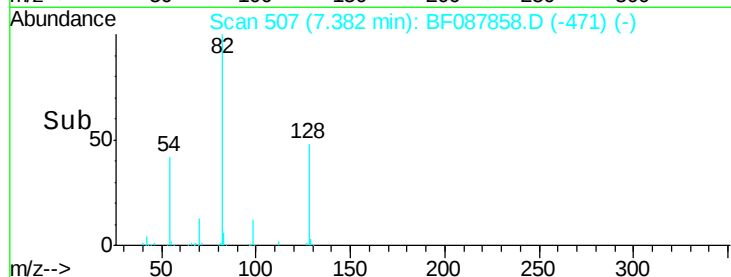
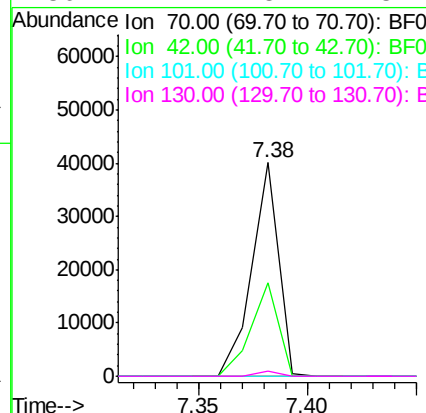
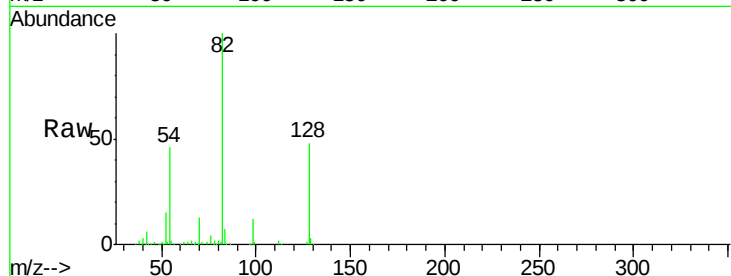




#19
n-Nitroso-di-n-propylamine
Concen: 6.23 ng
RT: 7.38 min Scan# 507
Delta R.T. 0.11 min
Lab File: BF087858.D
Acq: 9 Jun 2016 17:57

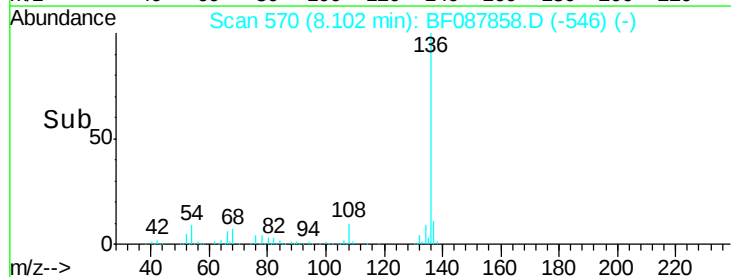
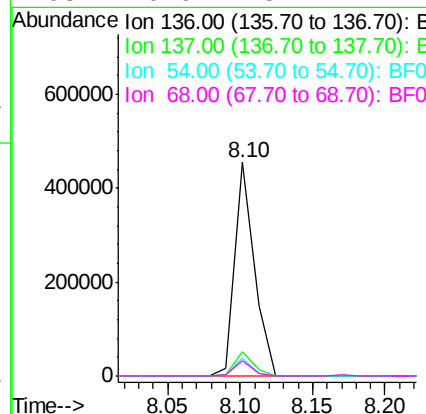
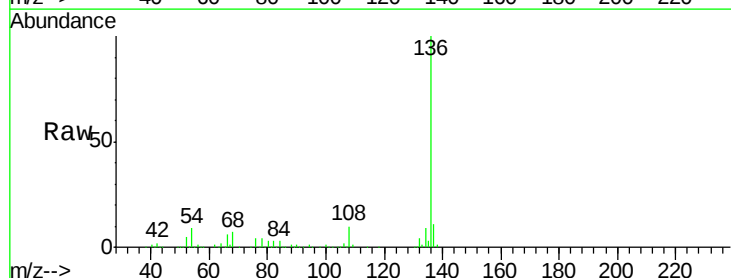
Instrument :
BNA_F
ClientSampleId :
SS-34

Tgt Ion:	70	Resp:	34142
Ion	Ratio	Lower	Upper
70	100		
42	43.8	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: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF087858.D
Acq: 9 Jun 2016 17:57

Tgt Ion:	136	Resp:	426116
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	8.6	6.6	10.0
68	6.9	5.1	7.7

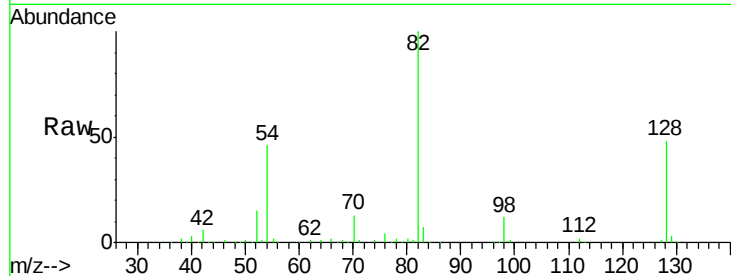




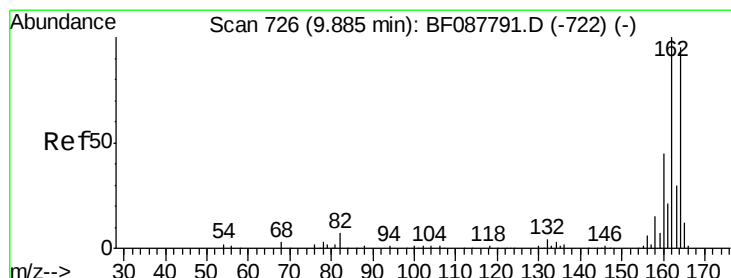
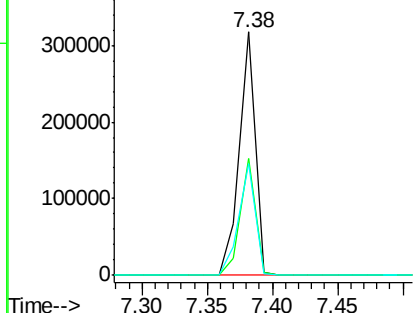
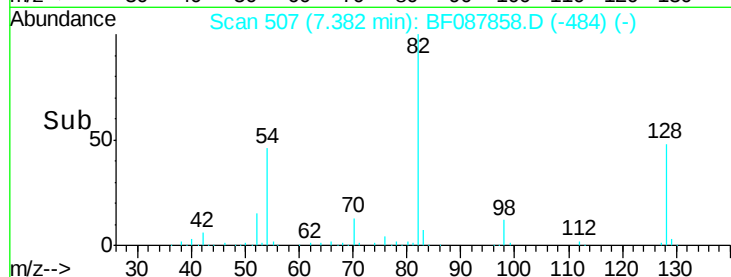
#23
 Nitrobenzene-d5
 Concen: 36.78 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: BF087858.D
 Acq: 9 Jun 2016 17:57

Instrument :
 BNA_F
 ClientSampled :
 SS-34

Tgt Ion: 82 Resp: 268371
 Ion Ratio Lower Upper
 82 100
 128 48.2 35.9 53.9
 54 45.9 40.9 61.3

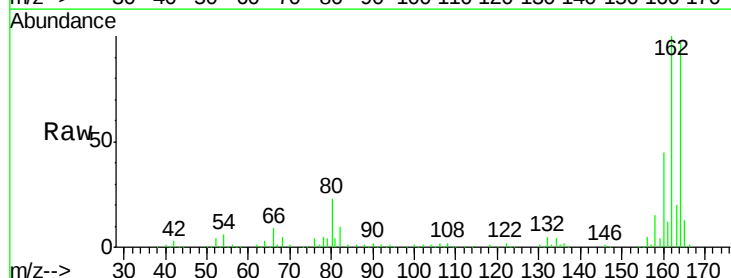


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

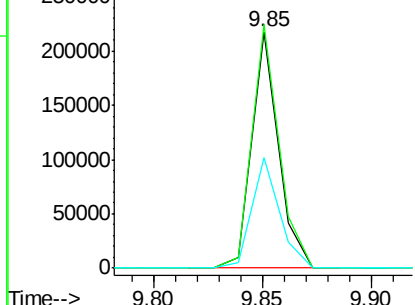
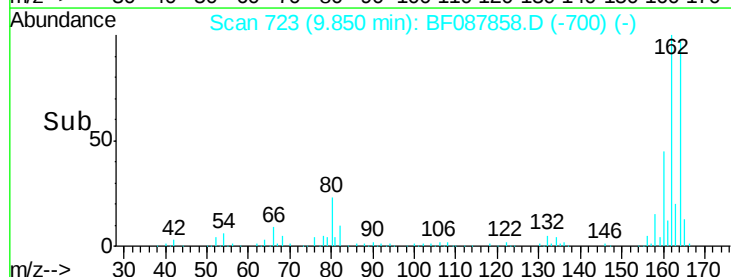


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.03 min
 Lab File: BF087858.D
 Acq: 9 Jun 2016 17:57

Tgt Ion: 164 Resp: 184388
 Ion Ratio Lower Upper
 164 100
 162 103.1 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

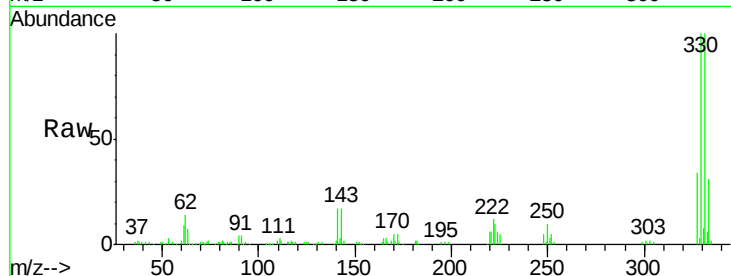




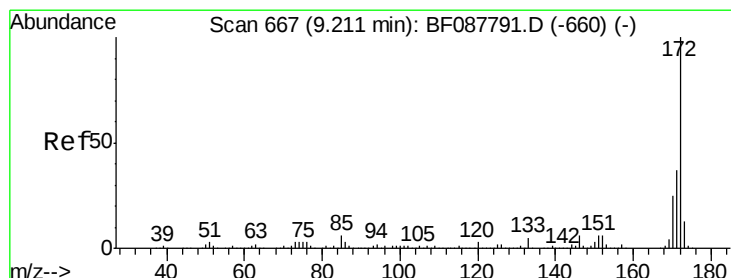
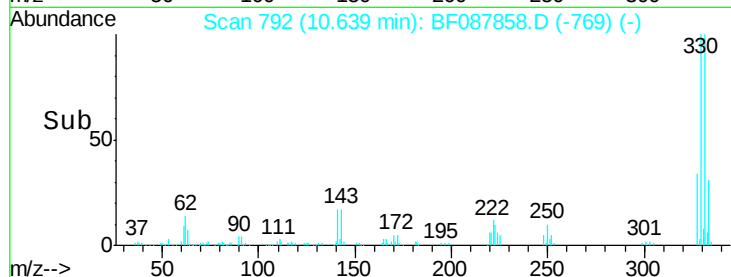
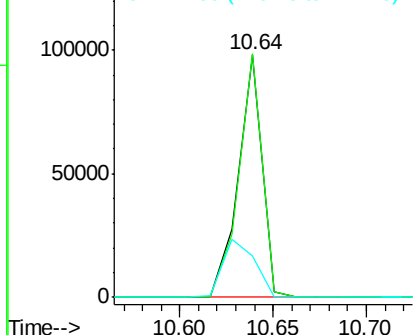
#41
 2,4,6-Tribromophenol
 Concen: 45.11 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087858.D
 Acq: 9 Jun 2016 17:57

Instrument :
 BNA_F
 ClientSampleId :
 SS-34

Tgt Ion:330 Resp: 87825
 Ion Ratio Lower Upper
 330 100
 332 98.8 0.0 0.0#
 141 31.9 0.0 0.0#

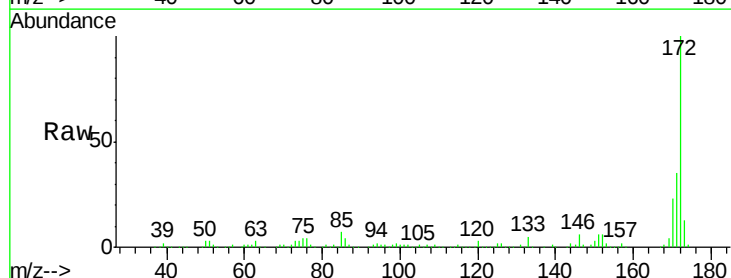


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

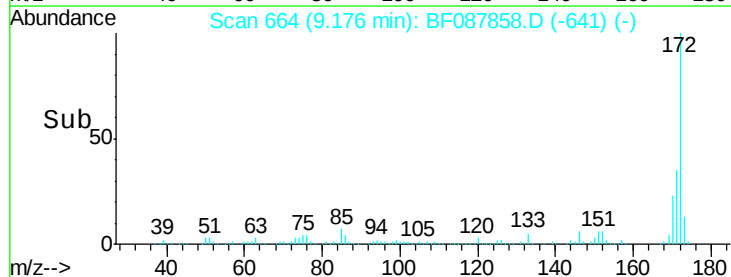
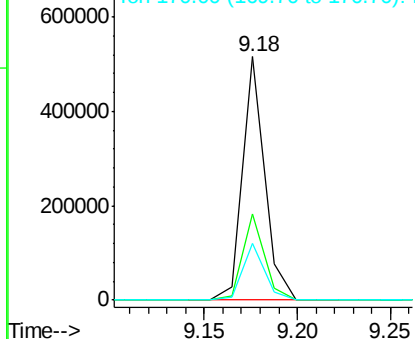


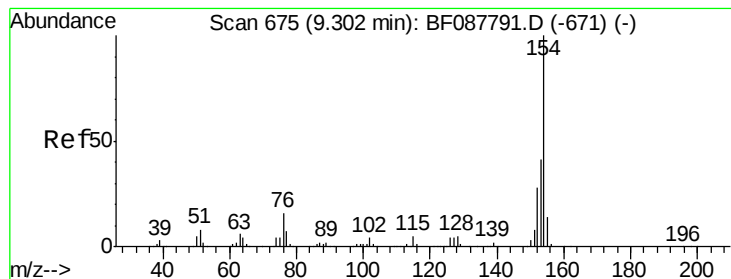
#44
 2-Fluorobiphenyl
 Concen: 32.94 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087858.D
 Acq: 9 Jun 2016 17:57

Tgt Ion:172 Resp: 426440
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 43.0
 170 23.4 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: BF087858.D

Acq: 9 Jun 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SS-34

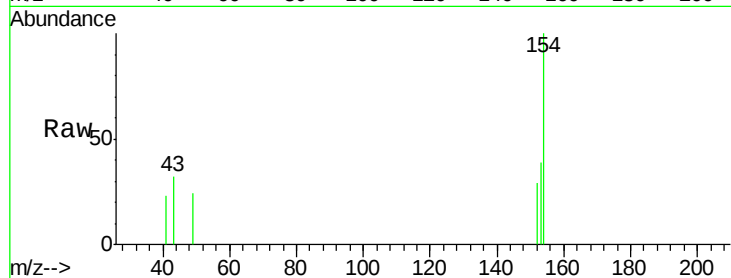
Tgt Ion:154 Resp: 1188

Ion Ratio Lower Upper

154 100

153 38.9 20.6 60.6

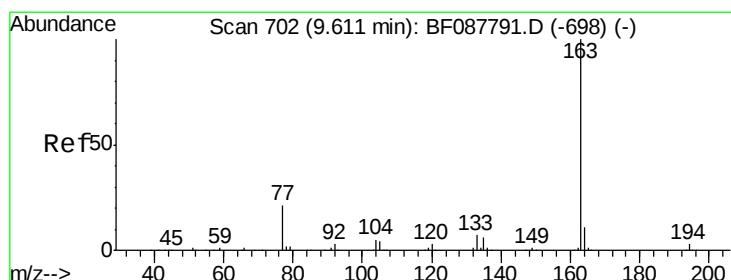
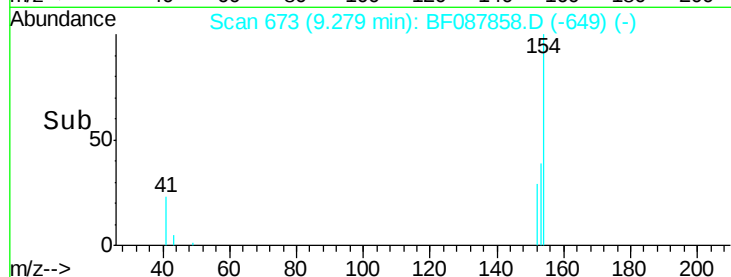
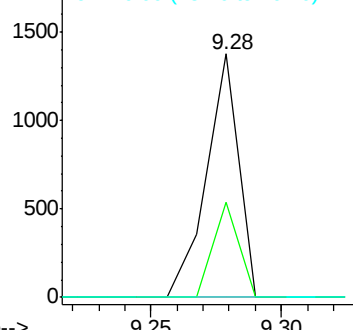
76 0.0 0.0 35.1



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: 3.92 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.03 min

Lab File: BF087858.D

Acq: 9 Jun 2016 17:57

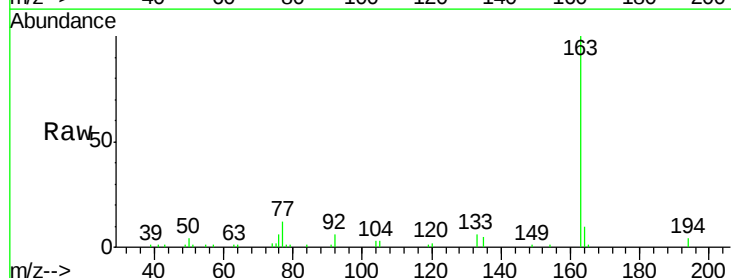
Tgt Ion:163 Resp: 52303

Ion Ratio Lower Upper

163 100

194 3.8 2.8 4.2

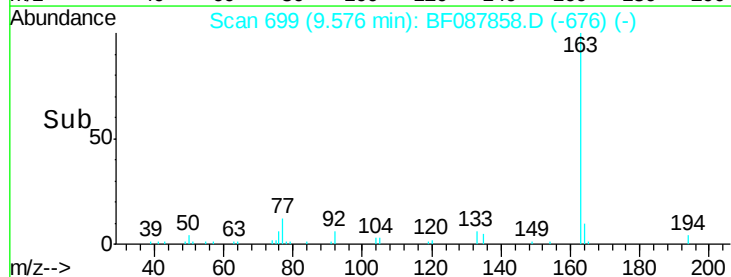
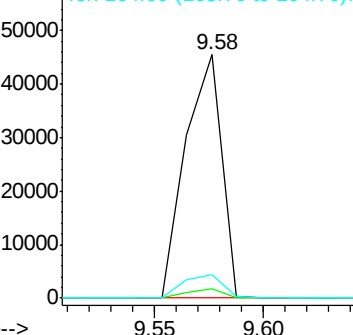
164 9.7 8.3 12.5

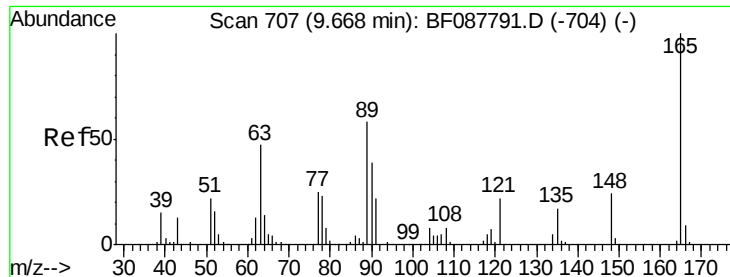


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

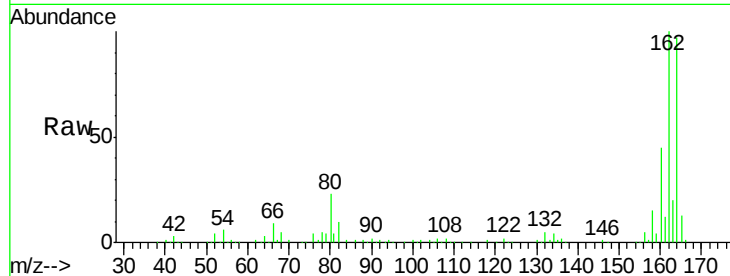




#50
 2,6-Dinitrotoluene
 Concen: 7.79 ng
 RT: 9.85 min Scan# 723
 Delta R.T. 0.18 min
 Lab File: BF087858.D
 Acq: 9 Jun 2016 17:57

Instrument :
 BNA_F
 ClientSampleId :
 SS-34

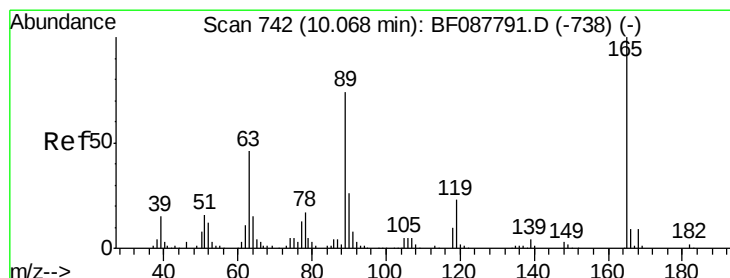
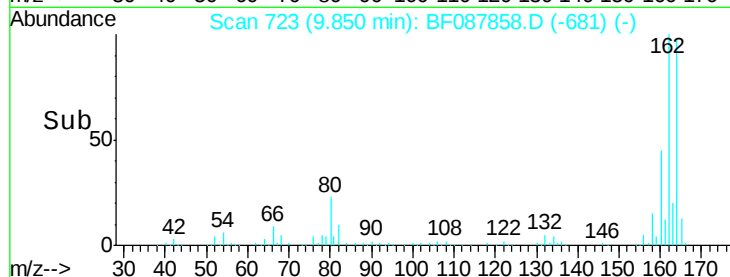
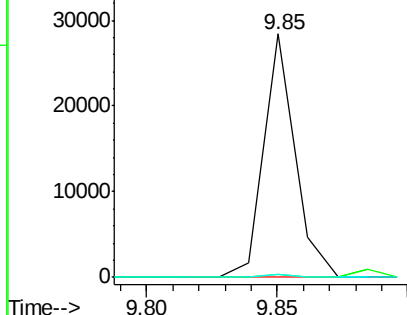
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.1	42.1#
89	1.4	32.2	48.2#



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: 6.06 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.22 min
 Lab File: BF087858.D
 Acq: 9 Jun 2016 17:57

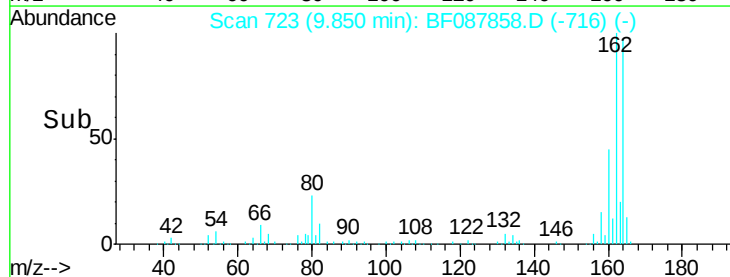
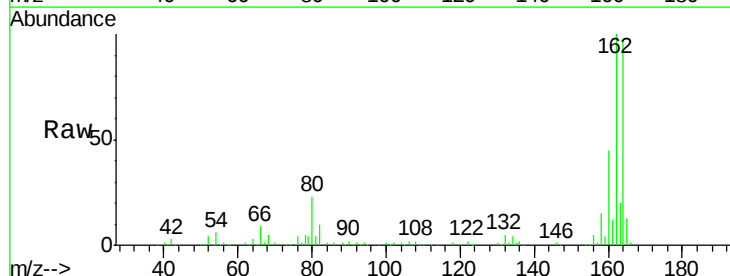
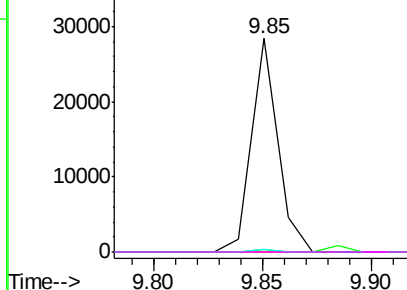
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.0	33.0#
89	1.4	41.1	61.7#
182	0.0	2.0	3.0#

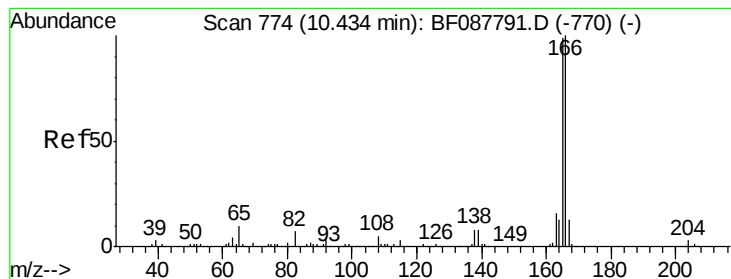
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF087858.D

Acq: 9 Jun 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SS-34

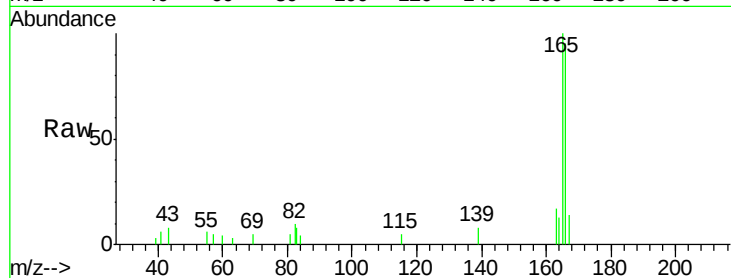
Tgt Ion:166 Resp: 9998

Ion Ratio Lower Upper

166 100

165 104.8 77.8 116.8

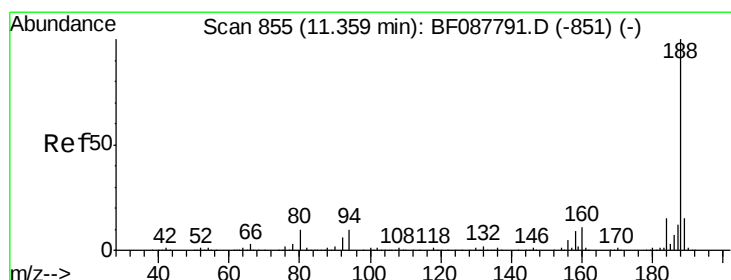
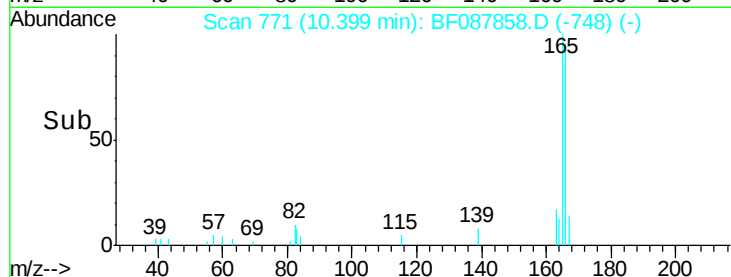
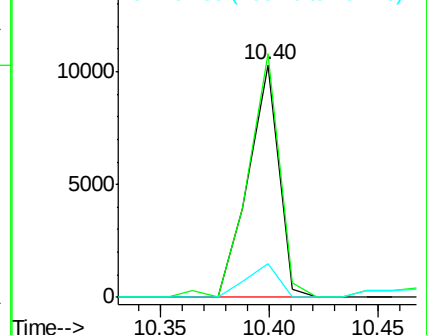
167 14.4 11.2 16.8



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: BF087858.D

Acq: 9 Jun 2016 17:57

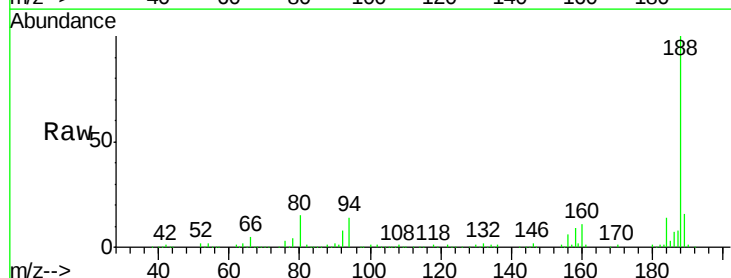
Tgt Ion:188 Resp: 278114

Ion Ratio Lower Upper

188 100

94 13.5 9.0 13.6

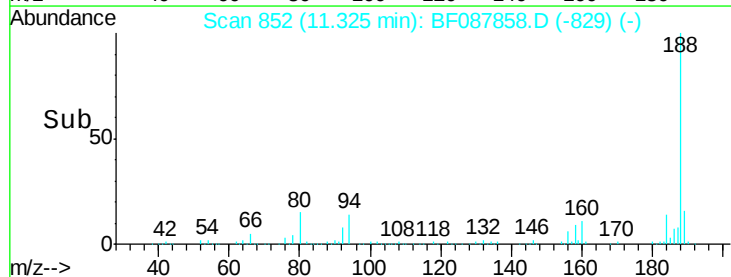
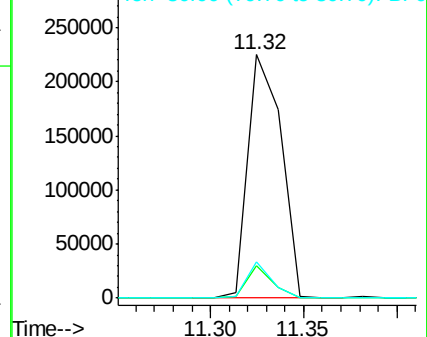
80 14.7 10.0 15.0

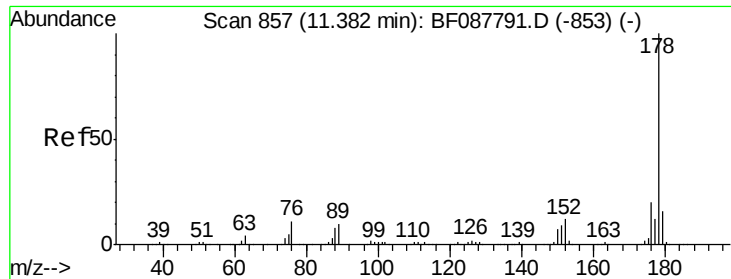


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

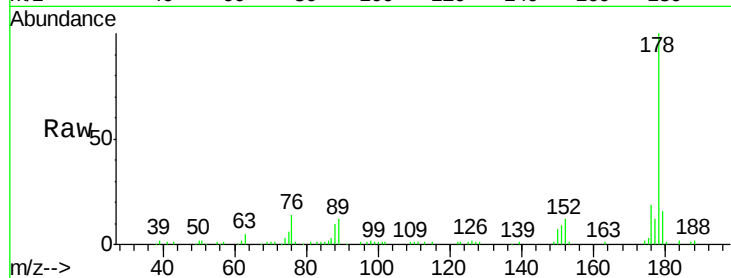




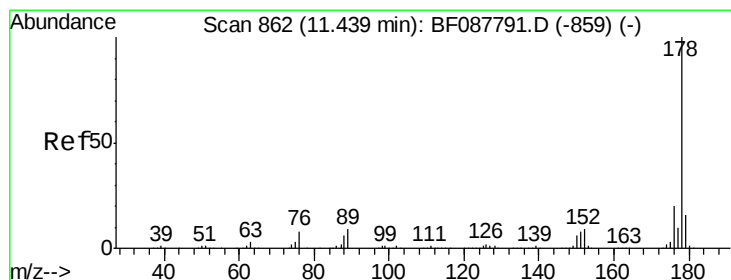
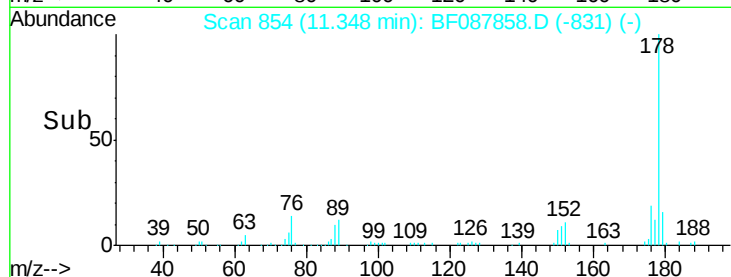
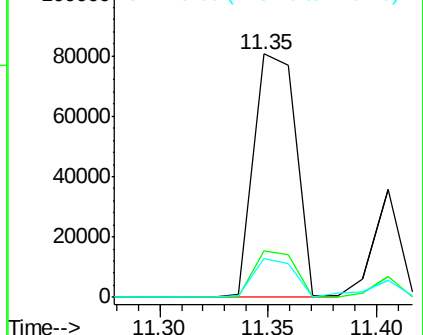
#70
Phenanthrene
Concen: 7.52 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087858.D
Acq: 9 Jun 2016 17:57

Instrument :
BNA_F
ClientSampleId :
SS-34

Tgt Ion:178 Resp: 109684
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 16.0 13.0 19.4

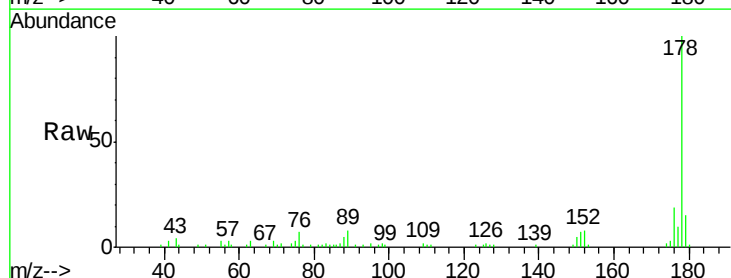


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

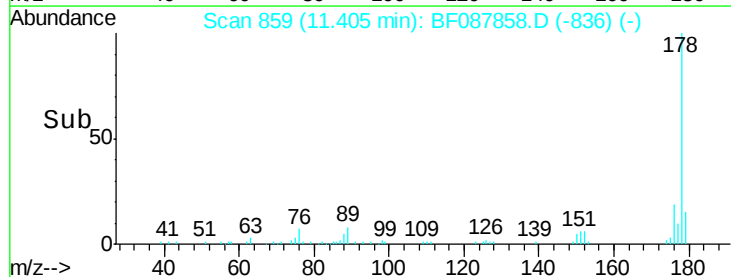
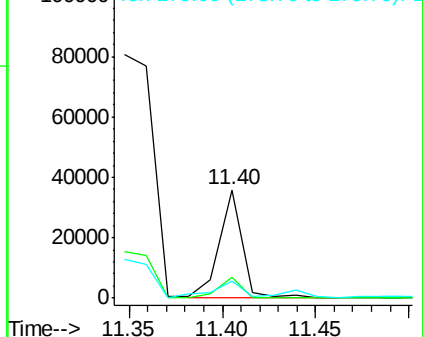


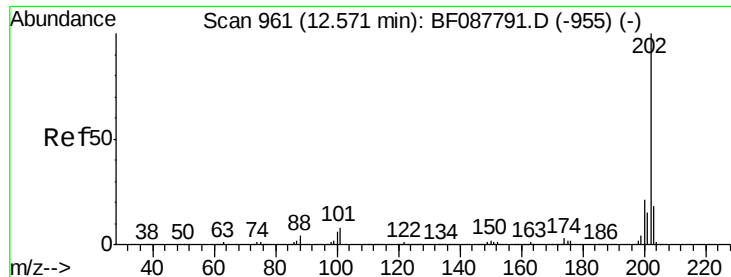
#71
Anthracene
Concen: 2.11 ng
RT: 11.40 min Scan# 859
Delta R.T. -0.03 min
Lab File: BF087858.D
Acq: 9 Jun 2016 17:57

Tgt Ion:178 Resp: 31084
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.4 12.8 19.2



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: 9.92 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.03 min

Lab File: BF087858.D

Acq: 9 Jun 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SS-34

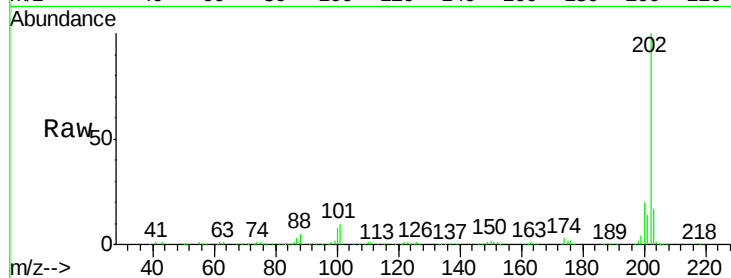
Tgt Ion:202 Resp: 152704

Ion Ratio Lower Upper

202 100

101 10.1 0.0 33.1

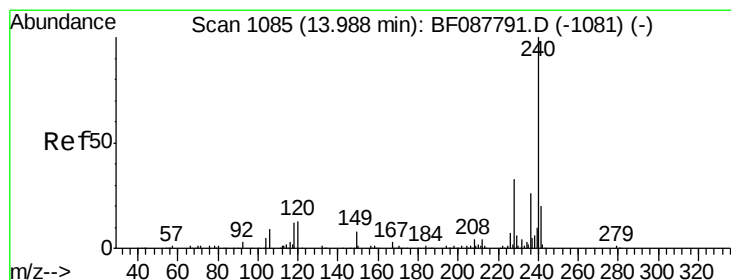
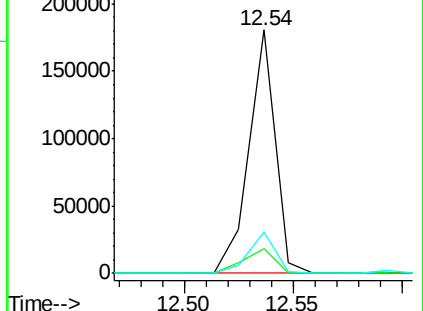
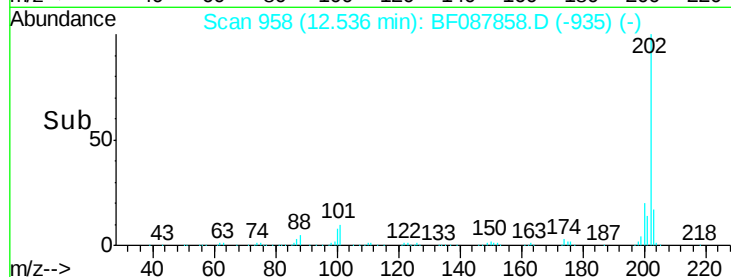
203 17.1 0.0 38.1



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. -0.03 min

Lab File: BF087858.D

Acq: 9 Jun 2016 17:57

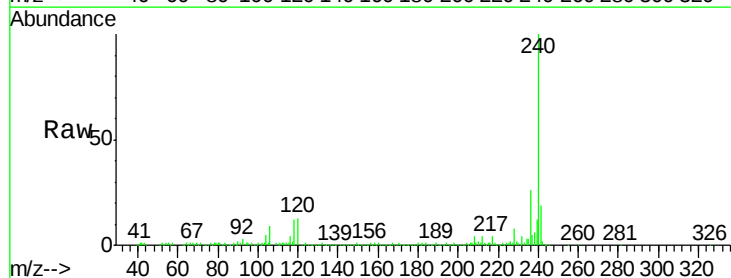
Tgt Ion:240 Resp: 231100

Ion Ratio Lower Upper

240 100

120 13.3 6.8 10.2#

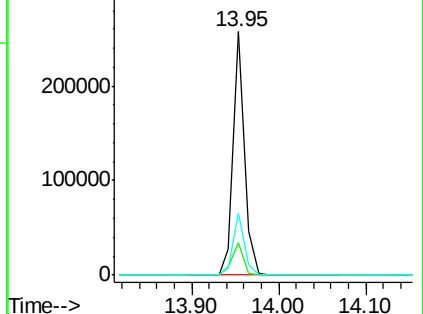
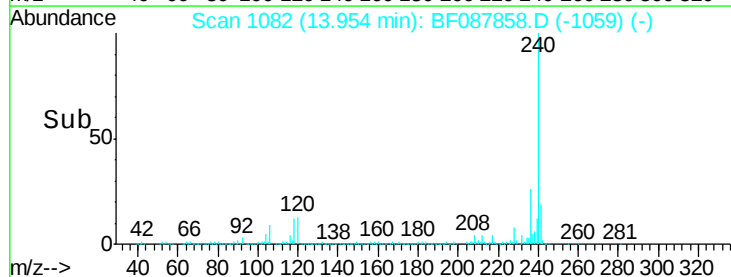
236 25.7 20.2 30.2

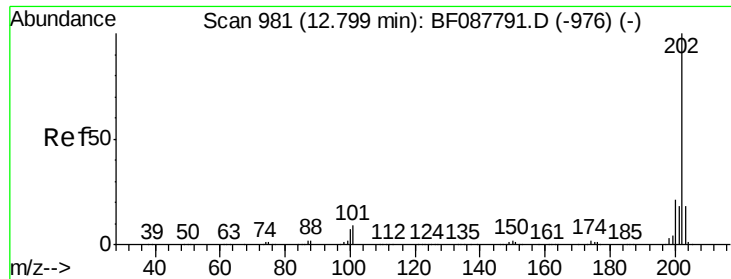


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

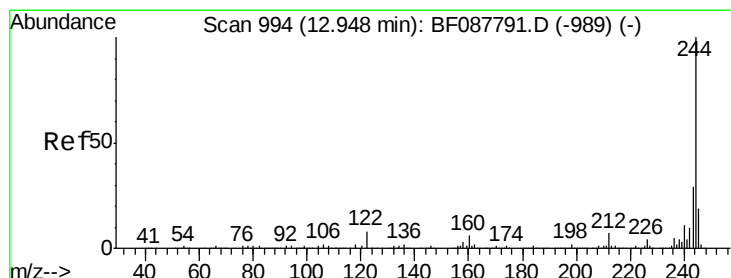
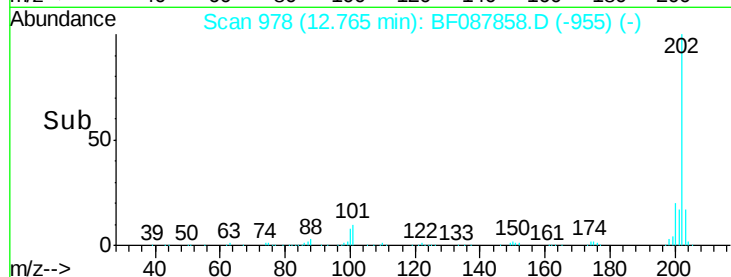
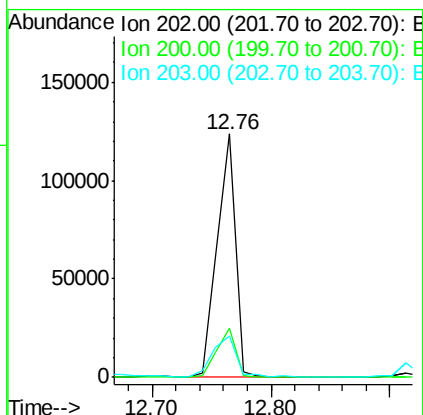
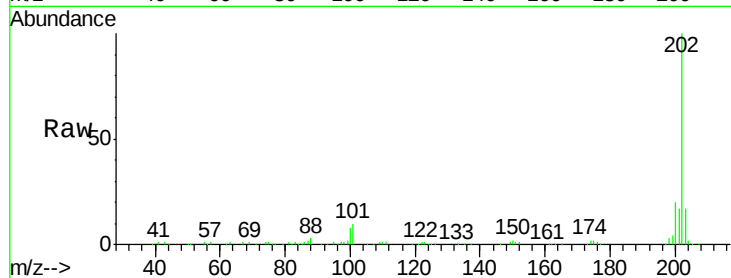




#77
 Pyrene
 Concen: 7.68 ng
 RT: 12.76 min Scan# 978
 Delta R.T. -0.03 min
 Lab File: BF087858.D
 Acq: 9 Jun 2016 17:57

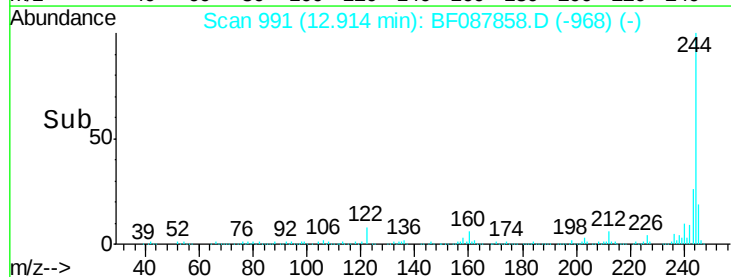
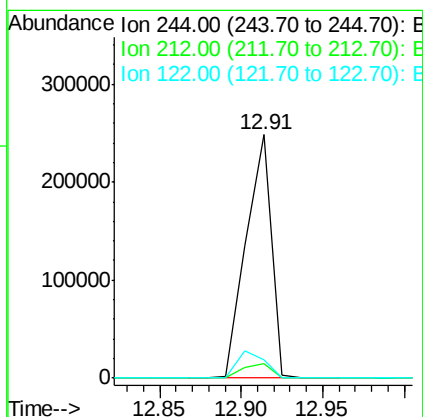
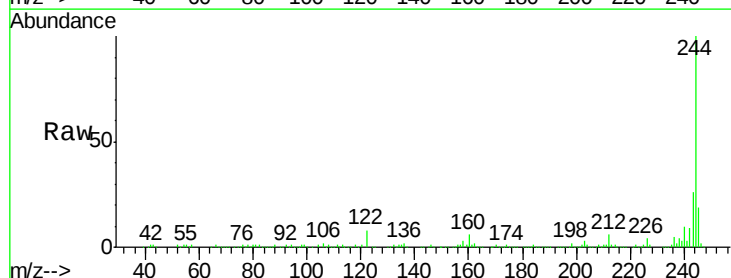
Instrument :
 BNA_F
 ClientSampleId :
 SS-34

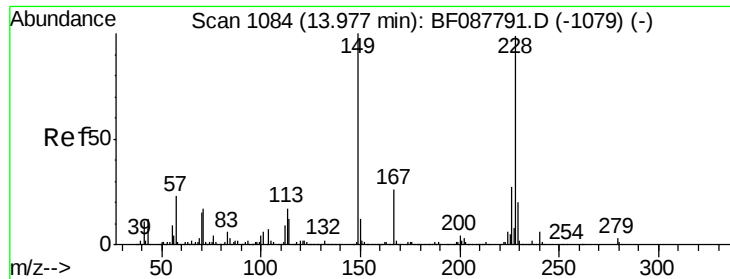
Tgt Ion: 202 Resp: 131785
 Ion Ratio Lower Upper
 202 100
 200 20.3 17.4 26.2
 203 17.2 14.5 21.7



#78
 Terphenyl-d14
 Concen: 26.23 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087858.D
 Acq: 9 Jun 2016 17:57

Tgt Ion: 244 Resp: 266407
 Ion Ratio Lower Upper
 244 100
 212 6.1 6.0 9.0
 122 7.6 11.2 16.8#





#80

Benzo(a)anthracene

Concen: 6.17 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF087858.D

Acq: 9 Jun 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SS-34

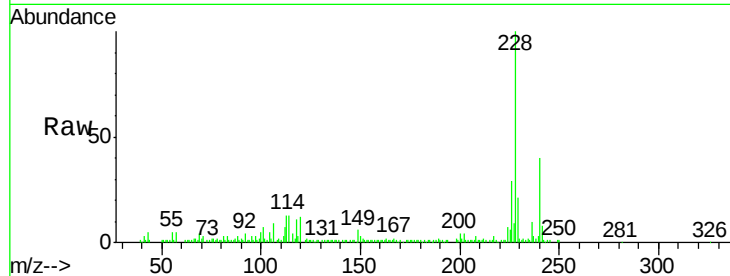
Tgt Ion:228 Resp: 81298

Ion Ratio Lower Upper

228 100

226 29.3 22.3 33.5

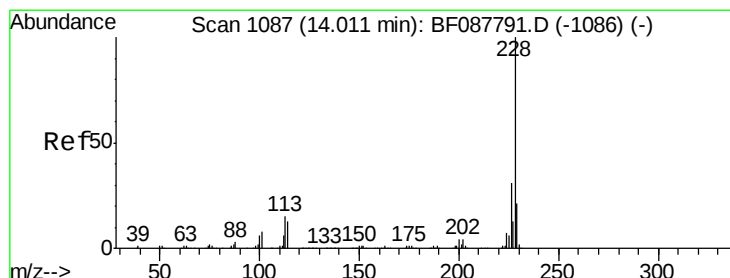
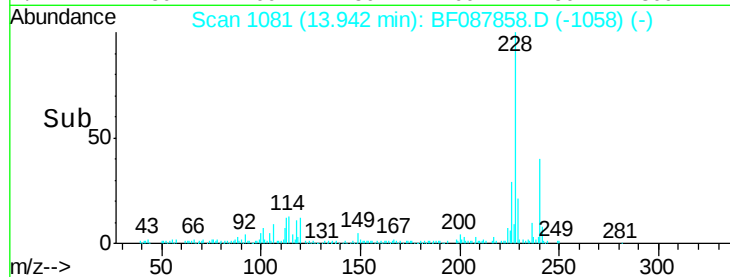
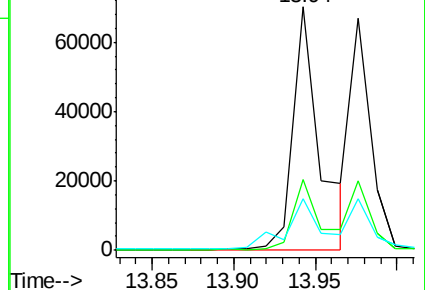
229 21.1 16.0 24.0



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: 4.81 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087858.D

Acq: 9 Jun 2016 17:57

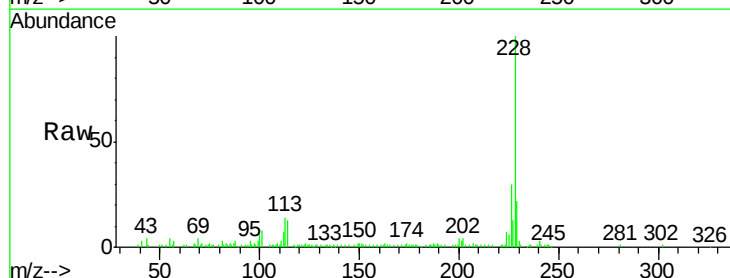
Tgt Ion:228 Resp: 59550

Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.2

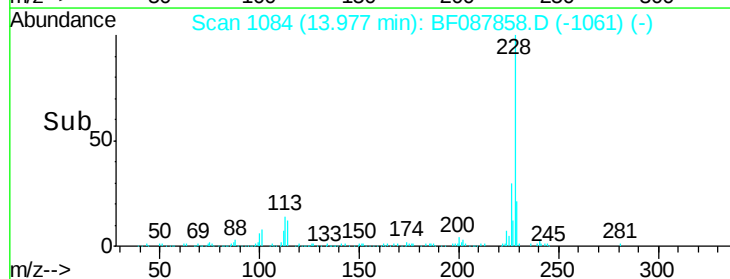
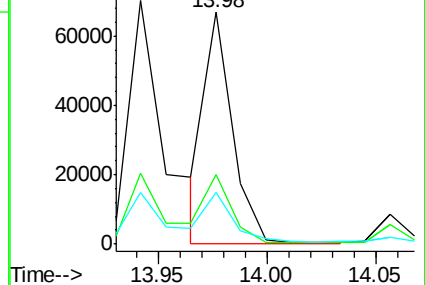
229 22.1 16.3 24.5

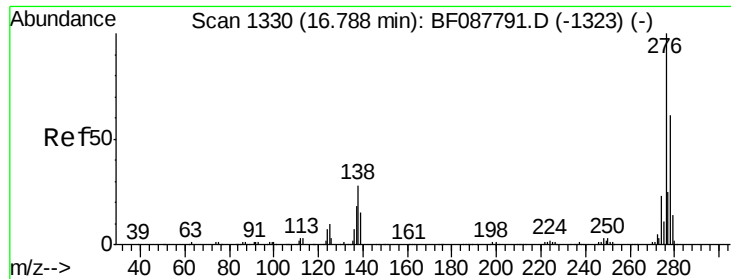


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

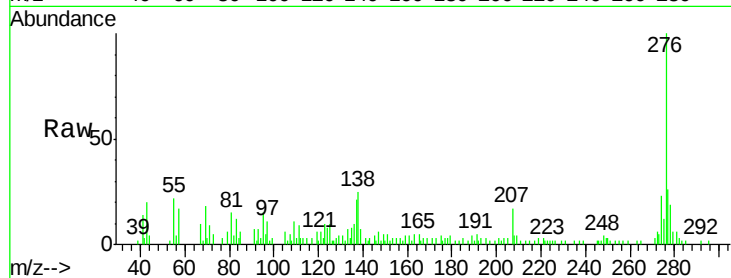




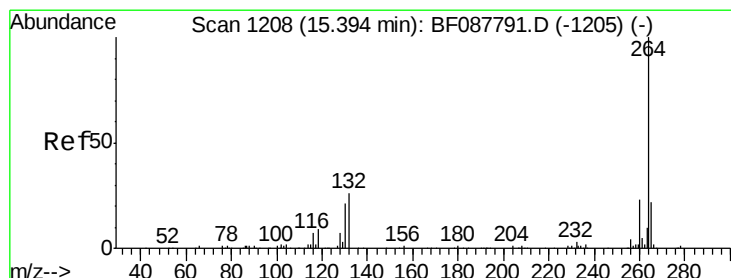
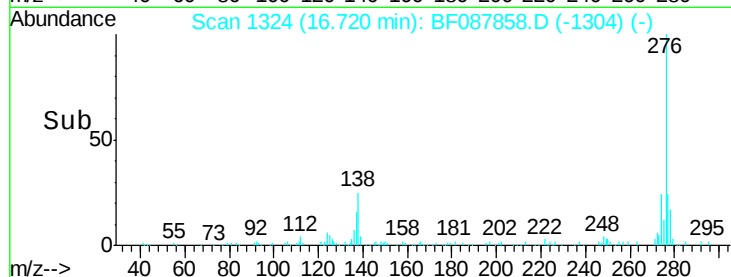
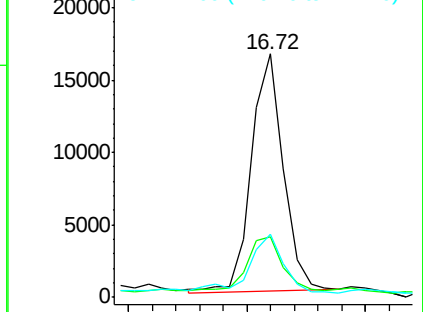
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.68 ng
 RT: 16.72 min Scan# 1324
 Delta R.T. -0.07 min
 Lab File: BF087858.D
 Acq: 9 Jun 2016 17:57

Instrument :
 BNA_F
 ClientSampleId :
 SS-34

Tgt Ion: 276 Resp: 30880
 Ion Ratio Lower Upper
 276 100
 138 26.4 0.0 0.0#
 277 34.1 0.0 0.0#

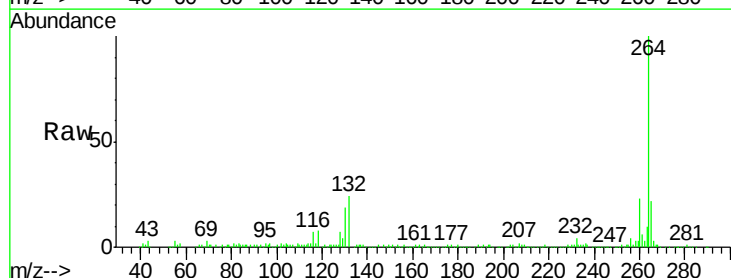


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

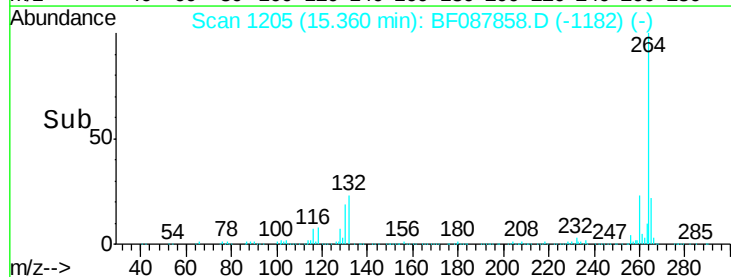
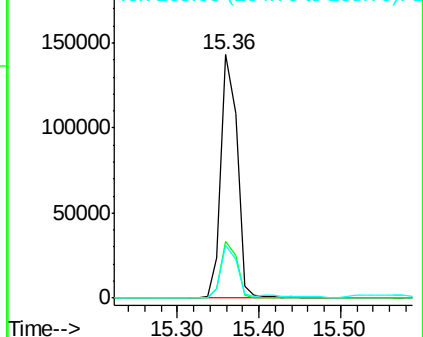


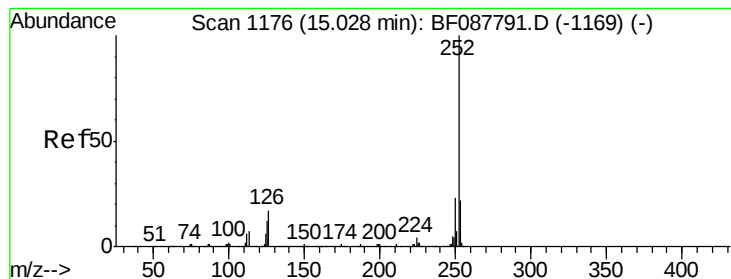
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF087858.D
 Acq: 9 Jun 2016 17:57

Tgt Ion: 264 Resp: 199033
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.9 16.9 25.3



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: 8.01 ng

RT: 14.96 min Scan# 1170

Delta R.T. -0.03 min

Lab File: BF087858.D

Acq: 9 Jun 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SS-34

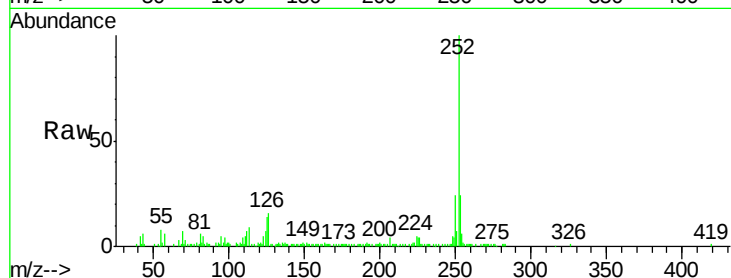
Tgt Ion:252 Resp: 111105

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.2

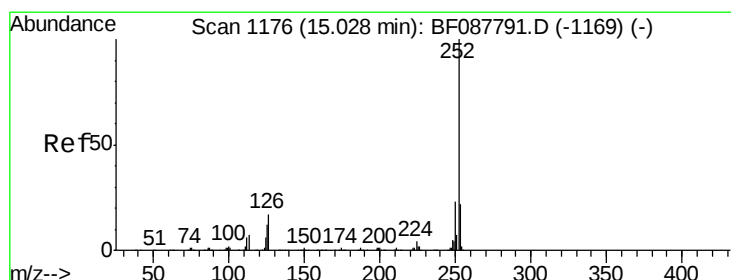
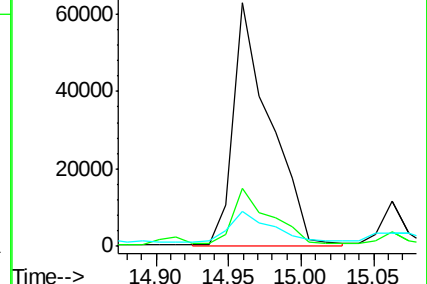
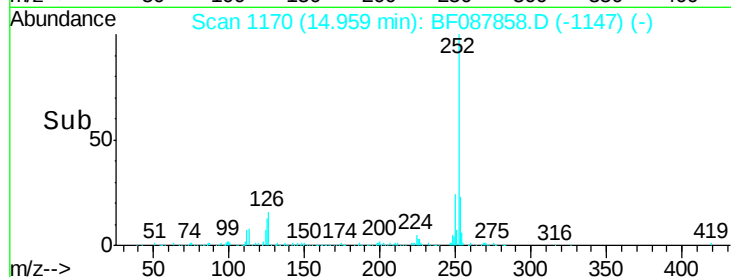
125 14.1 7.1 10.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 10.62 ng

RT: 14.96 min Scan# 1170

Delta R.T. -0.07 min

Lab File: BF087858.D

Acq: 9 Jun 2016 17:57

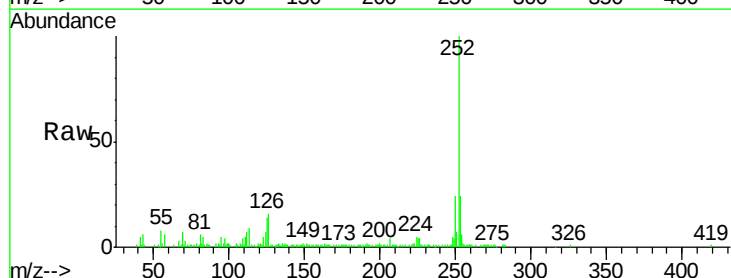
Tgt Ion:252 Resp: 111105

Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

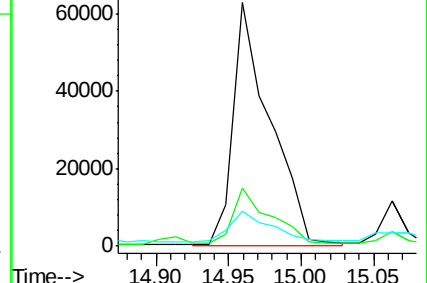
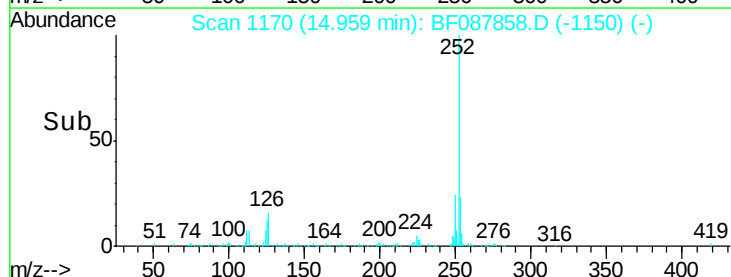
125 14.1 11.2 16.8

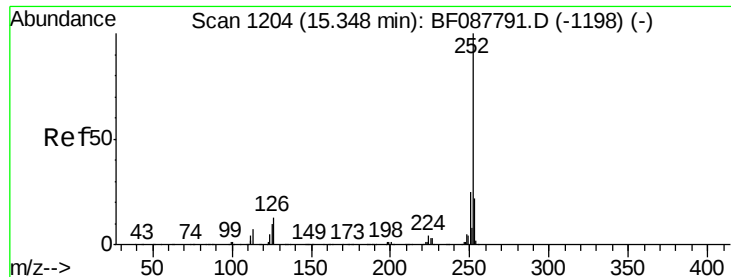


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

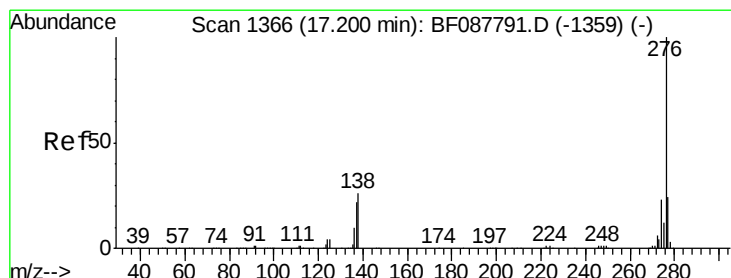
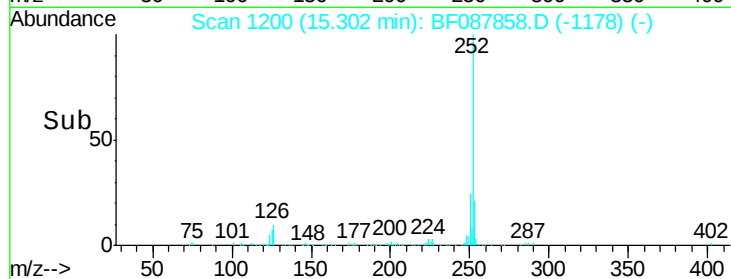
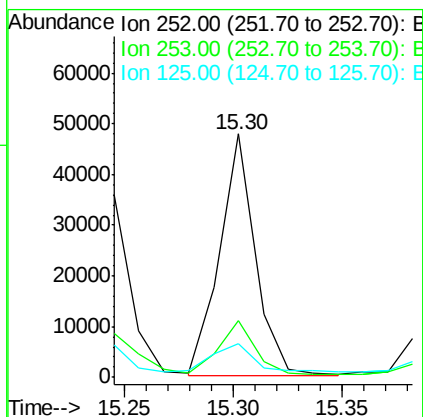
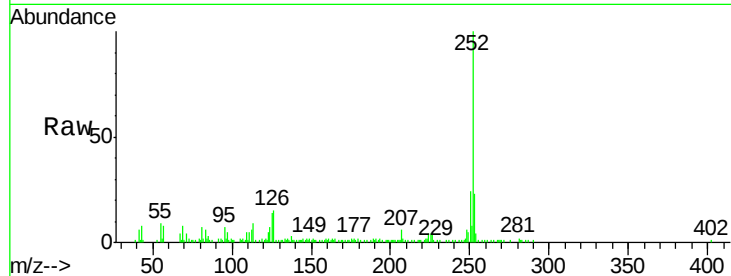




#89
Benzo(a)pyrene
Concen: 4.80 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.05 min
Lab File: BF087858.D
Acq: 9 Jun 2016 17:57

Instrument :
BNA_F
ClientSampleId :
SS-34

Tgt Ion: 252 Resp: 53893
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 13.9 12.5 18.7



#91
Benzo(g,h,i)perylene
Concen: 2.89 ng
RT: 17.12 min Scan# 1359
Delta R.T. -0.08 min
Lab File: BF087858.D
Acq: 9 Jun 2016 17:57

Tgt Ion: 276 Resp: 31027
Ion Ratio Lower Upper
276 100
277 25.1 18.9 28.3
138 28.1 21.4 32.2

