

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061016\
 Data File : BF087874.D
 Acq On : 10 Jun 2016 15:00
 Operator : UM/SJ
 Sample : H3426-07 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-54

Quant Time: Jun 10 15:42:23 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

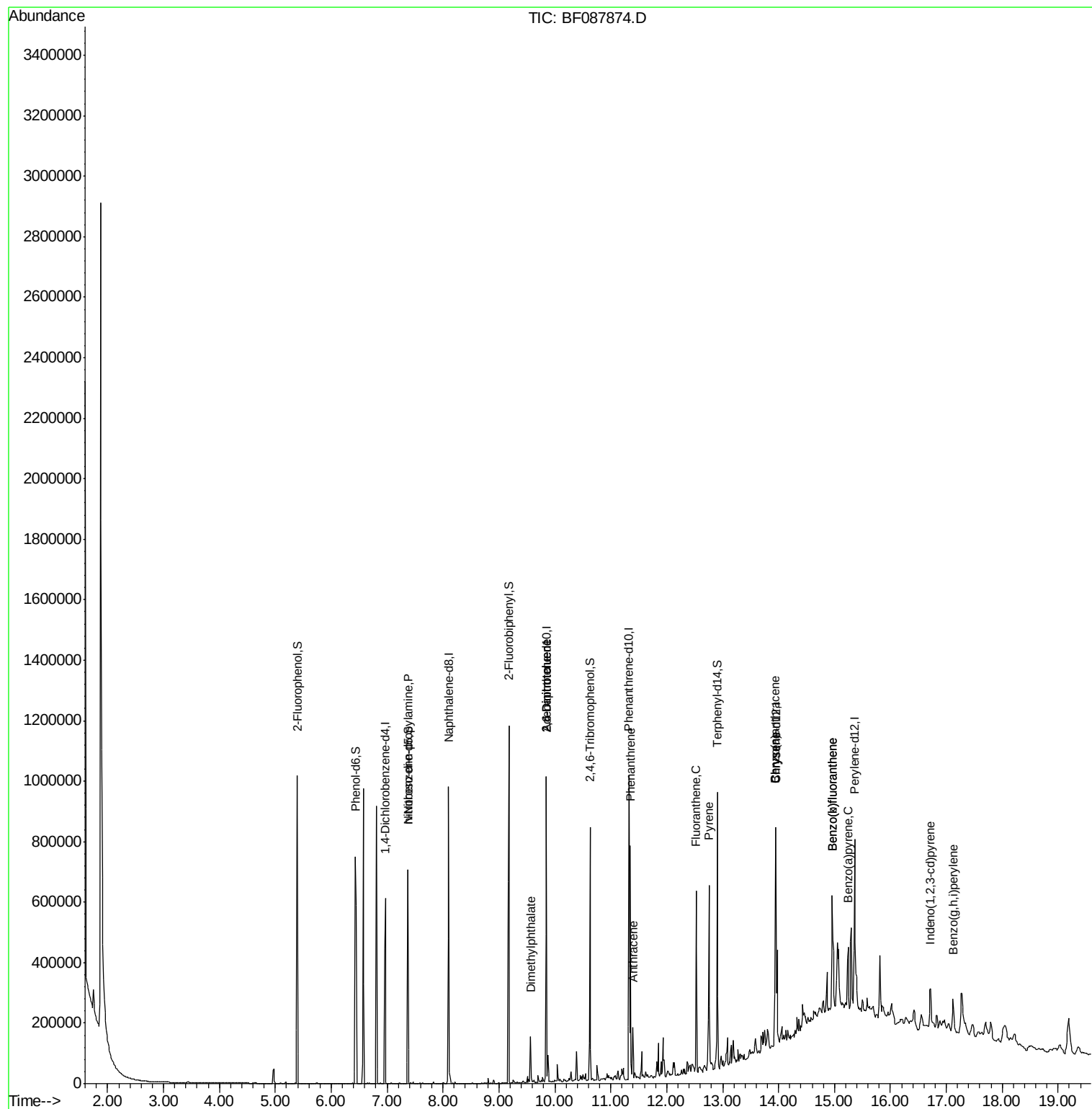
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	130967	20.00	ng	0.13
21) Naphthalene-d8	8.10	136	521945	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	224652	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	336503	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	256343	20.00	ng	-0.03
86) Perylene-d12	15.36	264	257431	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	269576	35.19	ng	-0.03
7) Phenol-d6	6.43	99	379022	40.82	ng	-0.05
23) Nitrobenzene-d5	7.37	82	214530	24.00	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	84256	35.52	ng	-0.05
44) 2-Fluorobiphenyl	9.18	172	462606	28.68	ng	-0.03
78) Terphenyl-d14	12.90	244	263941	23.43	ng	-0.05
Target Compounds						
10) Phenol	6.46	94	2972	Below Cal		Qvalue 96
19) n-Nitroso-di-n-propylamine	7.37	70	27335	4.60 ng	#	75
45) 1,1'-Biphenyl	9.27	154	2227	Below Cal		85
49) Dimethylphthalate	9.56	163	53538	3.29 ng		99
50) 2,6-Dinitrotoluene	9.85	165	29462	7.91 ng	#	40
56) 2,4-Dinitrotoluene	9.85	165	29462	6.15 ng	#	38
57) Fluorene	10.39	166	24405	Below Cal		97
70) Phenanthrene	11.35	178	257158	14.56 ng		98
71) Anthracene	11.39	178	68578	3.85 ng		98
74) Fluoranthene	12.53	202	308038	16.53 ng		95
77) Pyrene	12.75	202	260856	13.71 ng		98
80) Benzo(a)anthracene	13.94	228	137910	9.44 ng		98
82) Chrysene	13.94	228	138193	10.06 ng		97
85) Indeno(1,2,3-cd)pyrene	16.71	276	87658	6.87 ng	#	100
87) Benzo(b)fluoranthene	14.96	252	274127	15.28 ng	#	94
88) Benzo(k)fluoranthene	14.96	252	274127	20.25 ng		99
89) Benzo(a)pyrene	15.25	252	108298	7.46 ng		95
91) Benzo(g,h,i)perylene	17.12	276	82006	5.91 ng		98

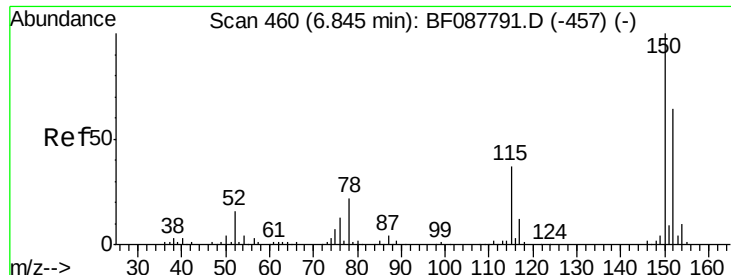
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 471

Delta R.T. 0.13 min

Lab File: BF087874.D

Acq: 10 Jun 2016 15:00

Instrument :

BNA_F

ClientSampleId :

SS-54

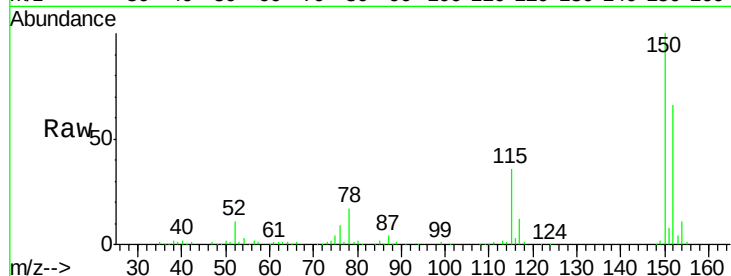
Tgt Ion:152 Resp: 130967

Ion Ratio Lower Upper

152 100

150 152.5 123.8 185.6

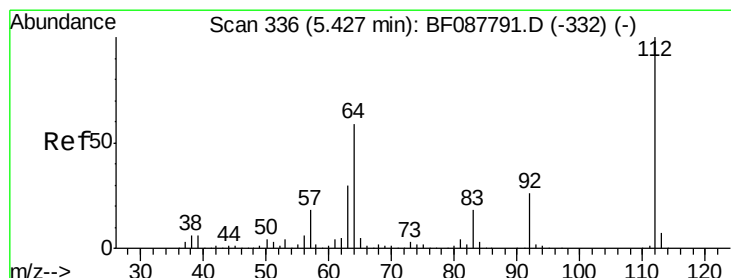
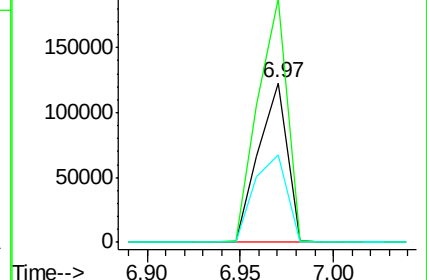
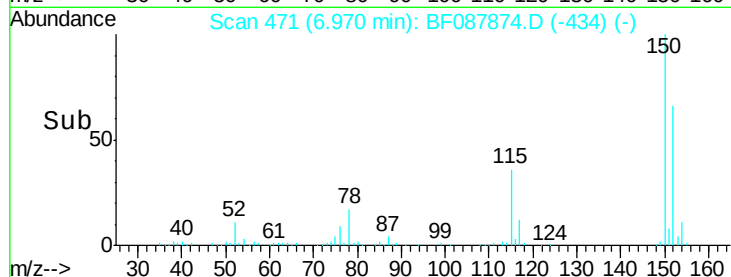
115 55.0 39.6 59.4



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: 35.19 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF087874.D

Acq: 10 Jun 2016 15:00

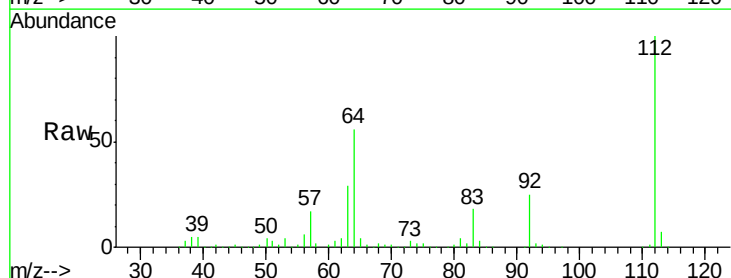
Tgt Ion:112 Resp: 269576

Ion Ratio Lower Upper

112 100

64 55.5 42.2 63.2

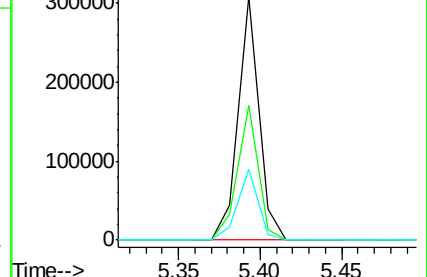
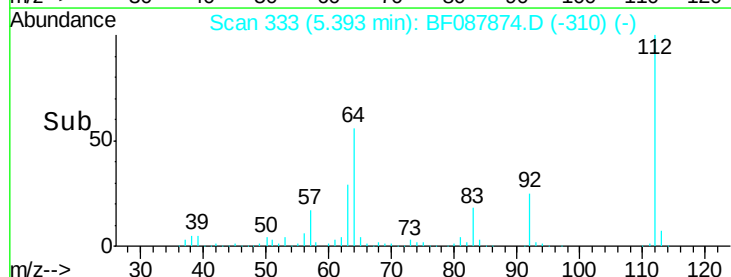
63 29.0 21.8 32.8

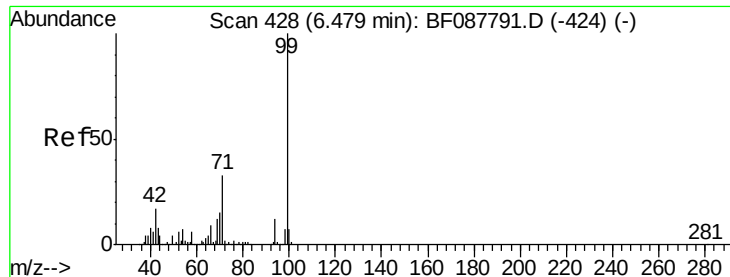


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.82 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087874.D

Acq: 10 Jun 2016 15:00

Instrument :

BNA_F

ClientSampleId :

SS-54

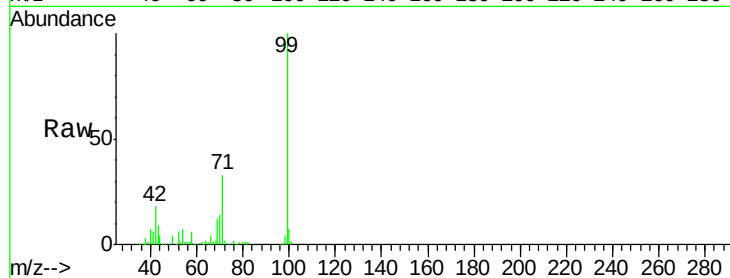
Tgt Ion: 99 Resp: 379022

Ion Ratio Lower Upper

99 100

42 17.8 12.2 18.2

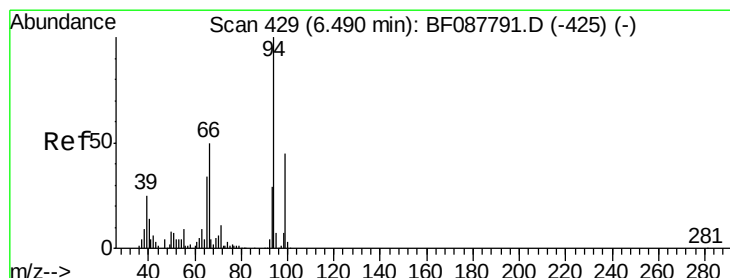
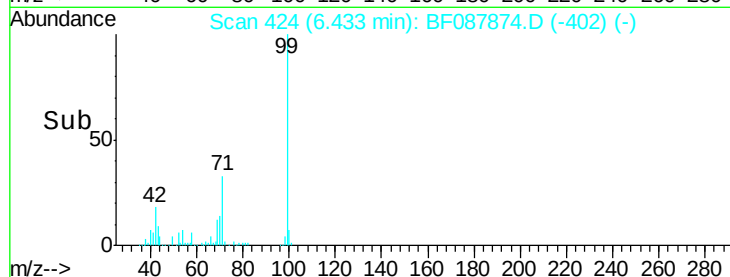
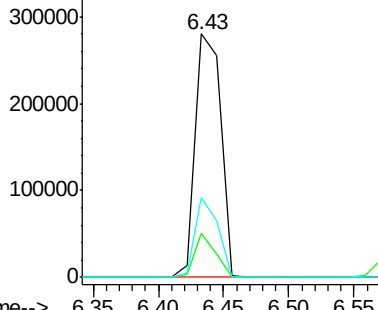
71 32.5 23.4 35.0



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: BF087874.D

Acq: 10 Jun 2016 15:00

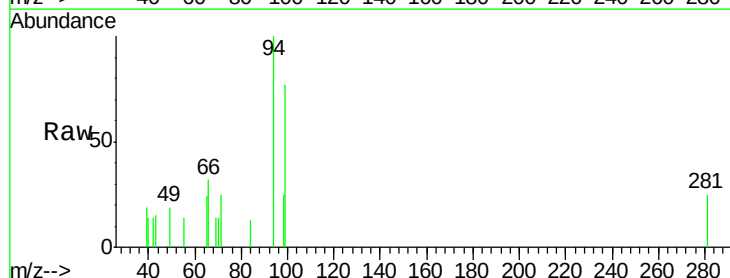
Tgt Ion: 94 Resp: 2972

Ion Ratio Lower Upper

94 100

65 23.9 5.9 45.9

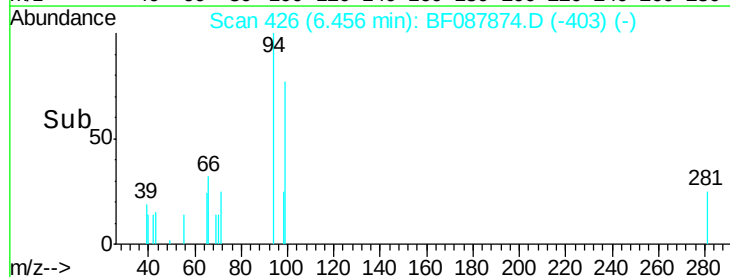
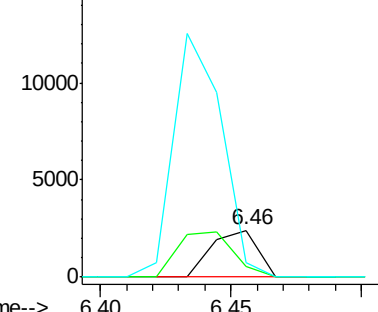
66 31.7 14.0 54.0

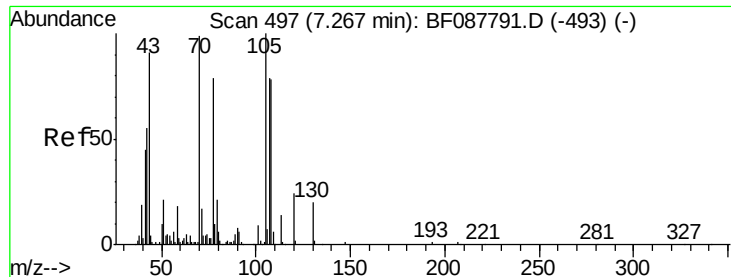


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

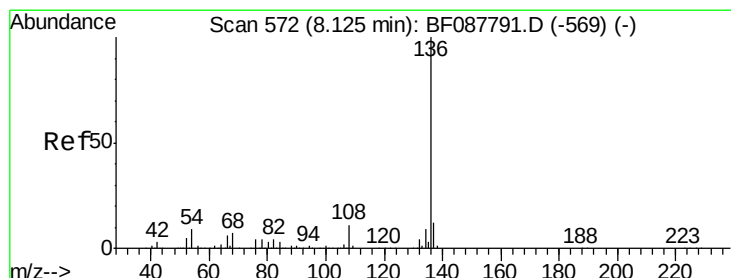
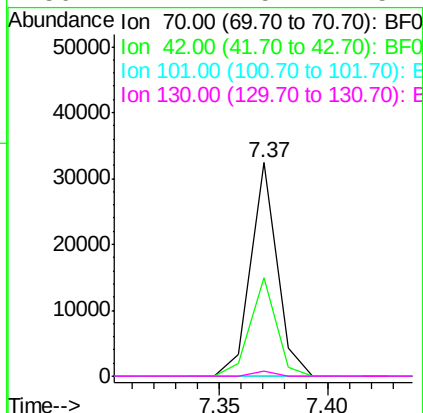
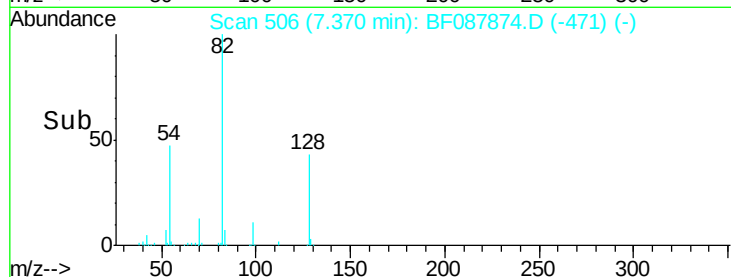
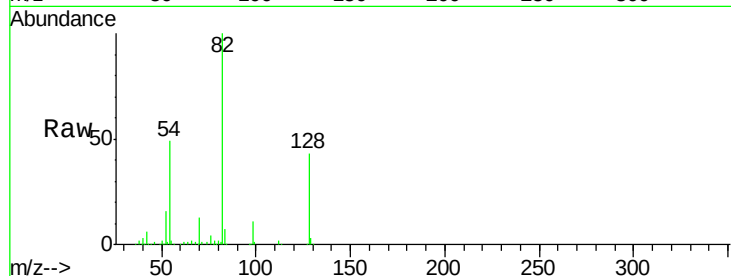




#19
n-Nitroso-di-n-propylamine
Concen: 4.60 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.10 min
Lab File: BF087874.D
Acq: 10 Jun 2016 15:00

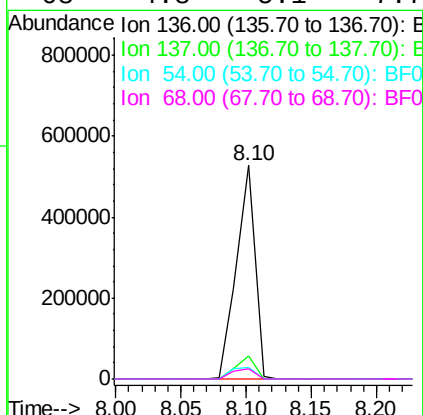
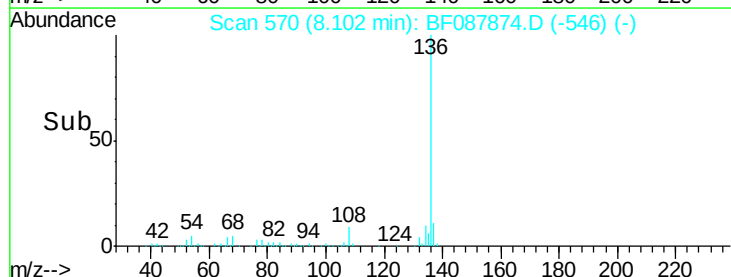
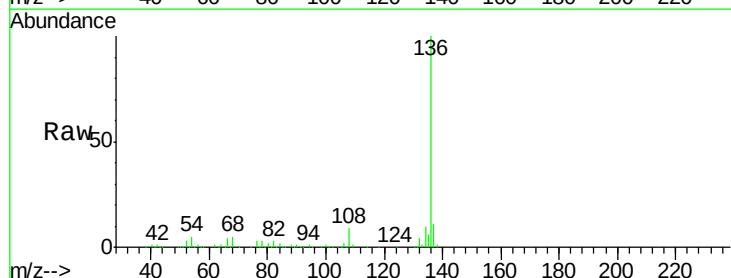
Instrument :
BNA_F
ClientSampled :
SS-54

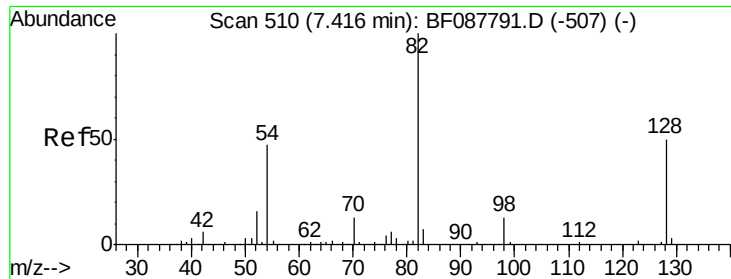
Tgt Ion:	70	Resp:	27335
Ion	Ratio	Lower	Upper
70	100		
42	46.3	49.6	74.4#
101	0.0	7.1	10.7#
130	2.2	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF087874.D
Acq: 10 Jun 2016 15:00

Tgt Ion:	136	Resp:	521945
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	5.4	6.6	10.0#
68	4.8	5.1	7.7#

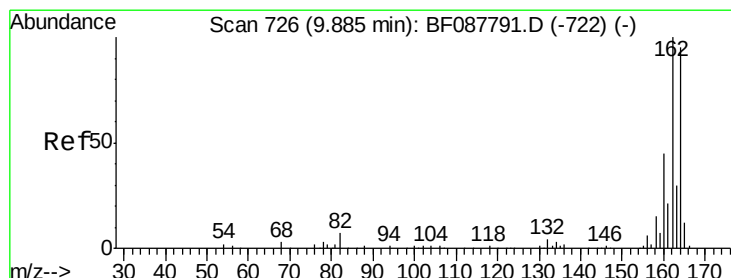
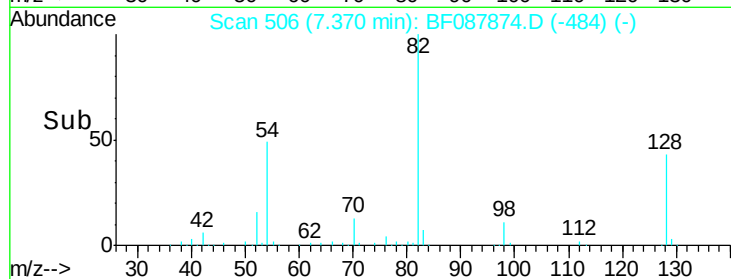
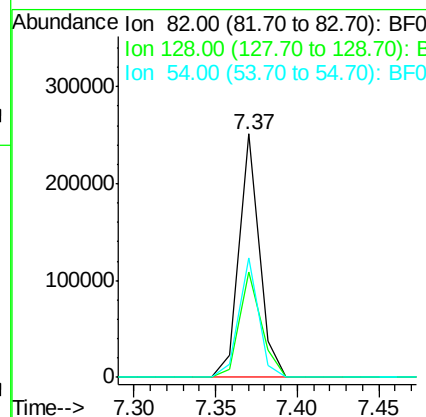
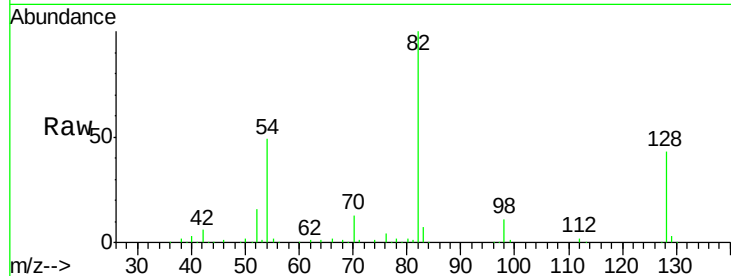




#23
 Nitrobenzene-d5
 Concen: 24.00 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.05 min
 Lab File: BF087874.D
 Acq: 10 Jun 2016 15:00

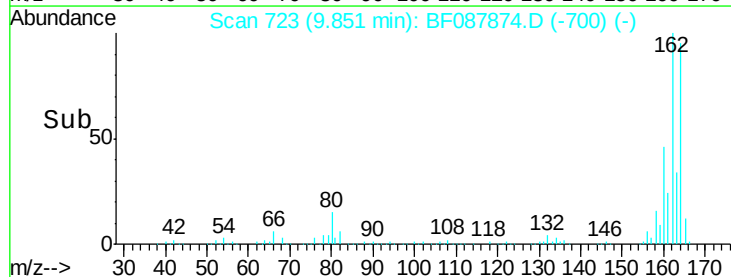
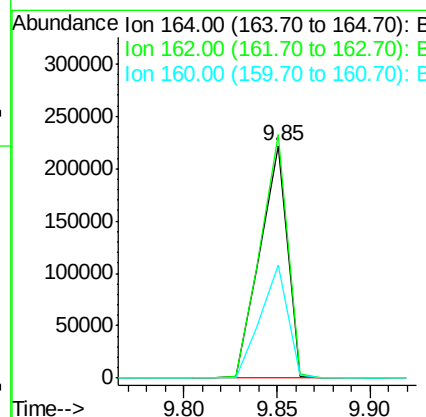
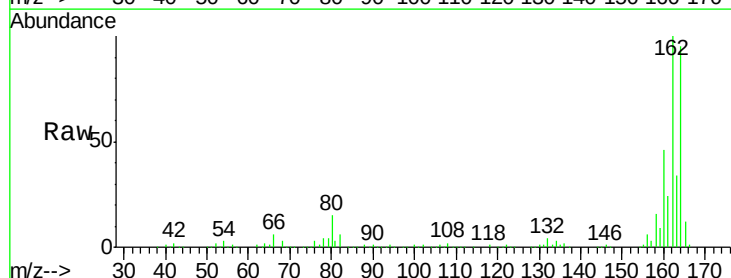
Instrument :
 BNA_F
 ClientSampleId :
 SS-54

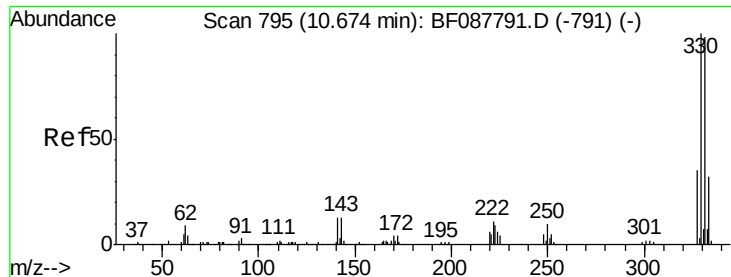
Tgt Ion: 82 Resp: 214530
 Ion Ratio Lower Upper
 82 100
 128 43.5 35.9 53.9
 54 48.9 40.9 61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.03 min
 Lab File: BF087874.D
 Acq: 10 Jun 2016 15:00

Tgt Ion: 164 Resp: 224652
 Ion Ratio Lower Upper
 164 100
 162 104.9 85.4 128.2
 160 48.6 39.5 59.3

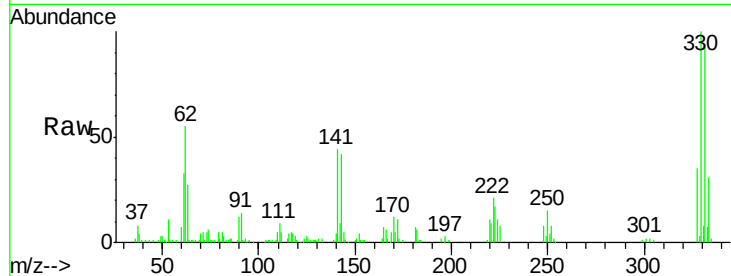




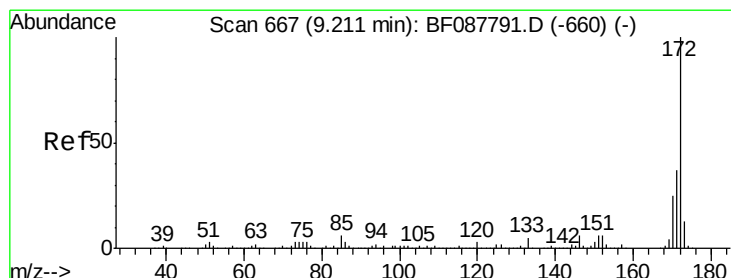
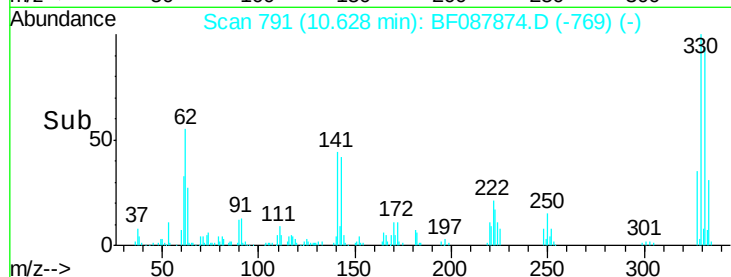
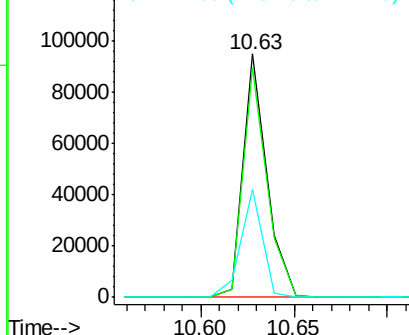
#41
 2,4,6-Tribromophenol
 Concen: 35.52 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.05 min
 Lab File: BF087874.D
 Acq: 10 Jun 2016 15:00

Instrument :
 BNA_F
 ClientSampleId :
 SS-54

Tgt Ion: 330 Resp: 84256
 Ion Ratio Lower Upper
 330 100
 332 94.4 0.0 0.0#
 141 41.6 0.0 0.0#

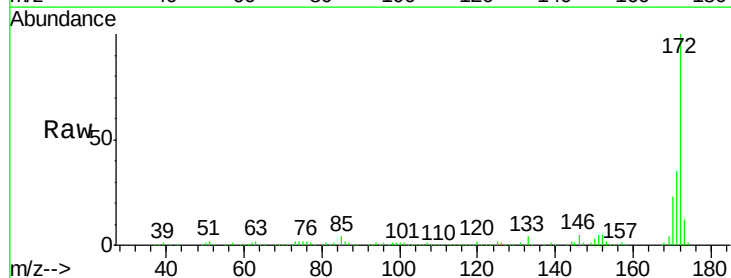


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

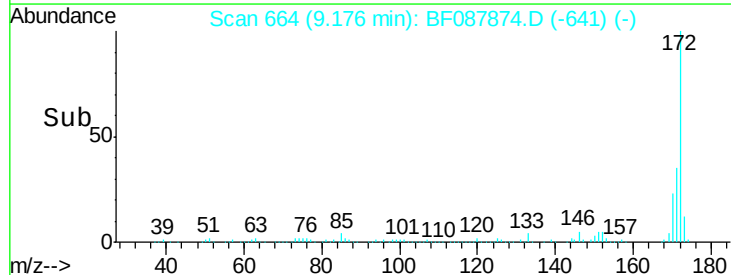
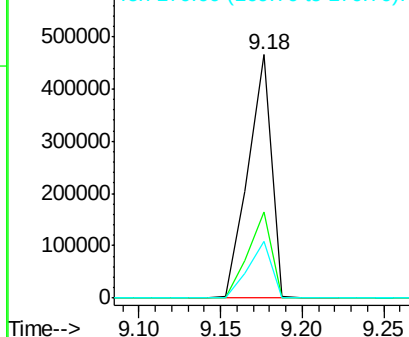


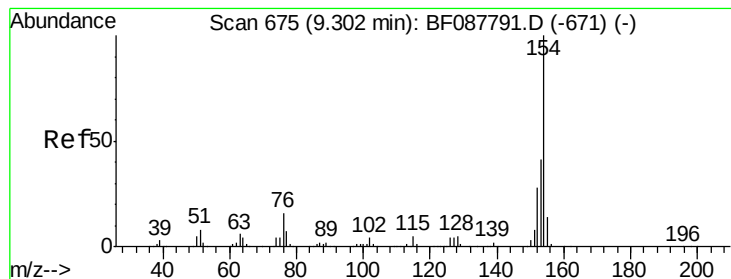
#44
 2-Fluorobiphenyl
 Concen: 28.68 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087874.D
 Acq: 10 Jun 2016 15:00

Tgt Ion: 172 Resp: 462606
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 43.0
 170 23.3 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: 9.27 min Scan# 672

Delta R.T. -0.03 min

Lab File: BF087874.D

Acq: 10 Jun 2016 15:00

Instrument :

BNA_F

ClientSampleId :

SS-54

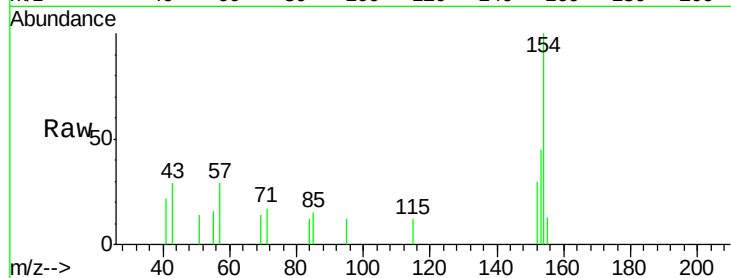
Tgt Ion:154 Resp: 2227

Ion Ratio Lower Upper

154 100

153 45.3 20.6 60.6

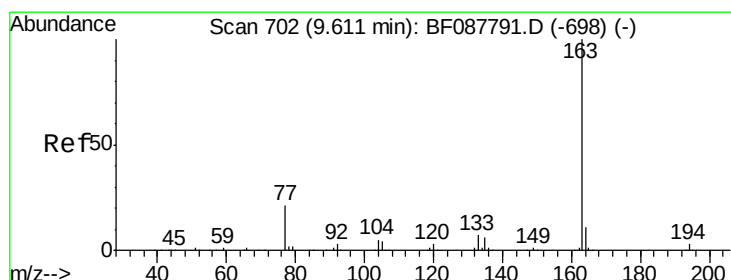
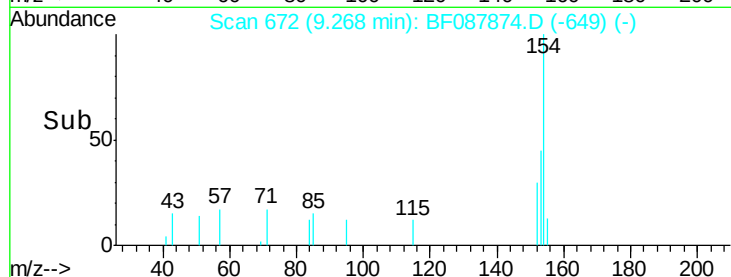
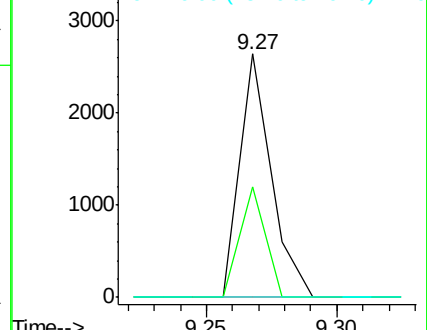
76 0.0 0.0 35.1



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: 3.29 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.05 min

Lab File: BF087874.D

Acq: 10 Jun 2016 15:00

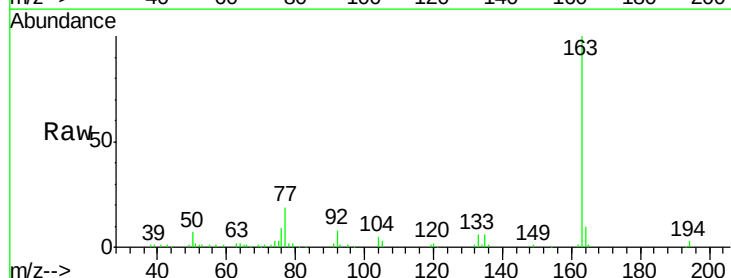
Tgt Ion:163 Resp: 53538

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

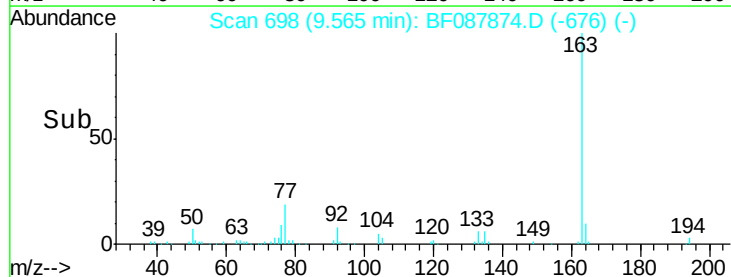
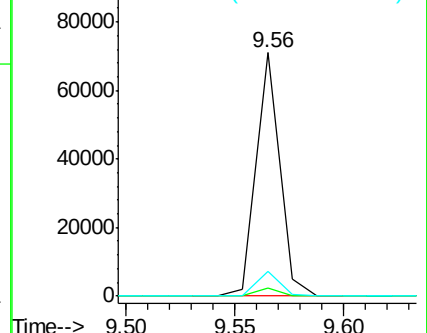
164 10.2 8.3 12.5

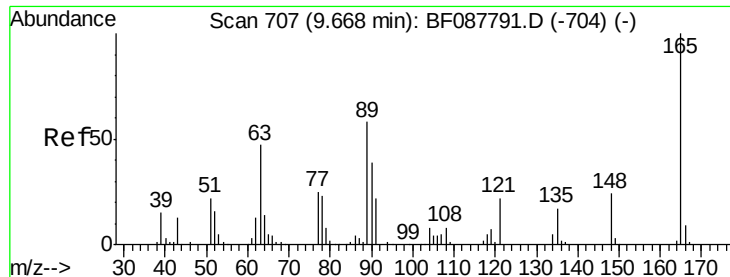


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

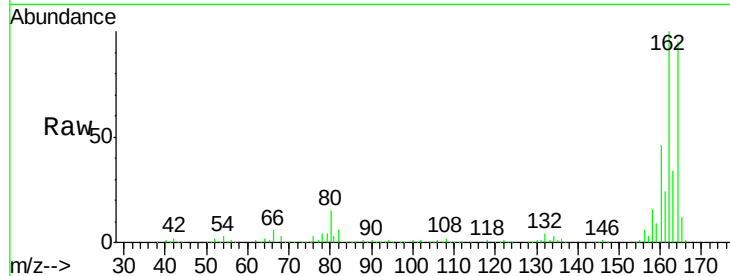




#50
 2,6-Dinitrotoluene
 Concen: 7.91 ng
 RT: 9.85 min Scan# 723
 Delta R.T. 0.18 min
 Lab File: BF087874.D
 Acq: 10 Jun 2016 15:00

Instrument :
 BNA_F
 ClientSampleId :
 SS-54

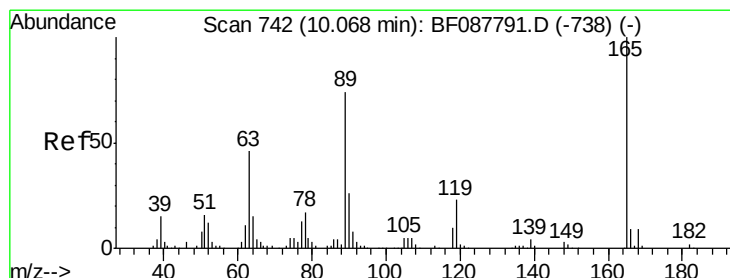
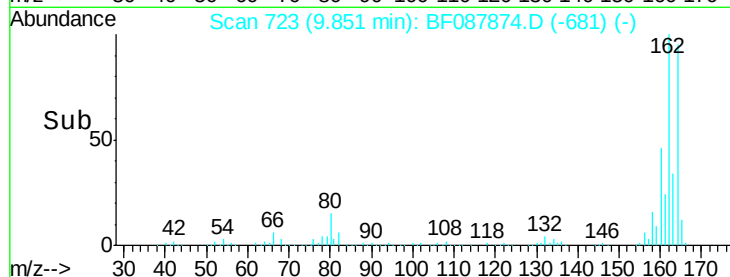
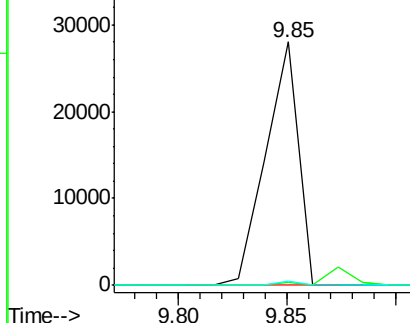
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	28.1	42.1#
89	1.6	32.2	48.2#



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: 6.15 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.22 min
 Lab File: BF087874.D
 Acq: 10 Jun 2016 15:00

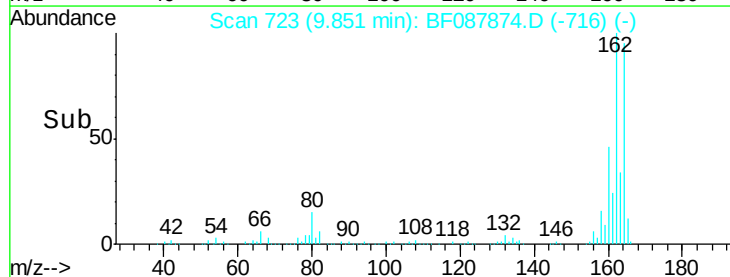
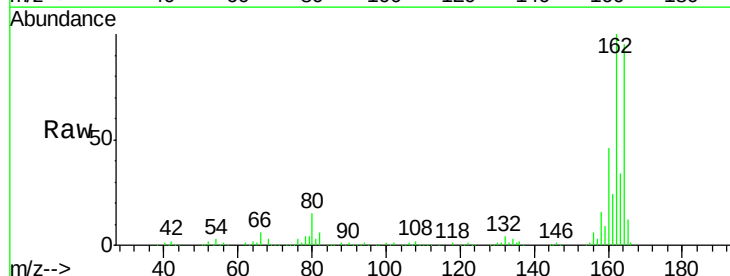
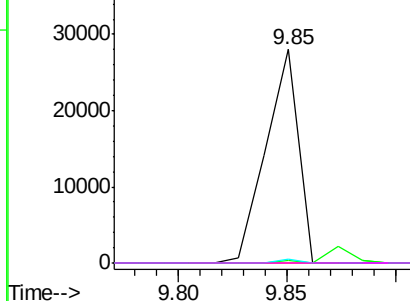
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	22.0	33.0#
89	1.6	41.1	61.7#
182	0.0	2.0	3.0#

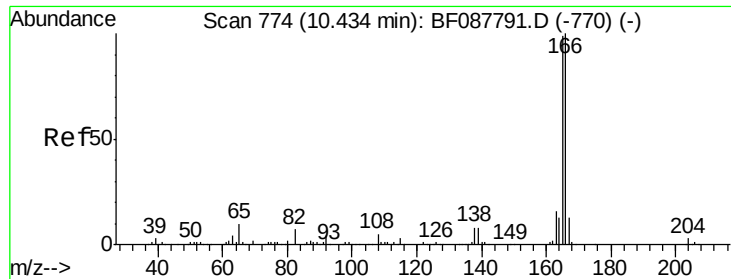
Abundance Ion 165.00 (164.70 to 165.70): E

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

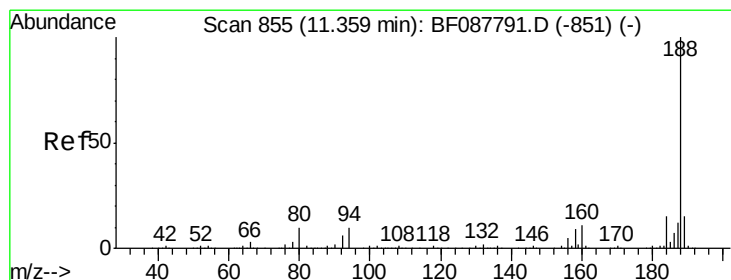
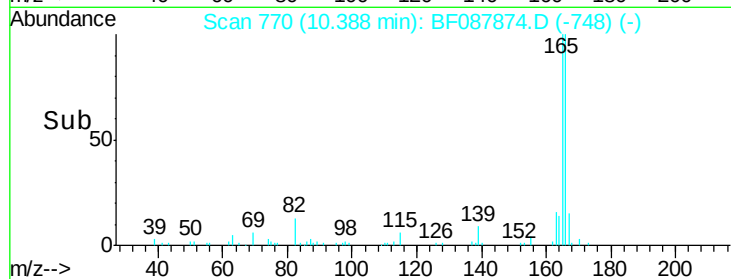
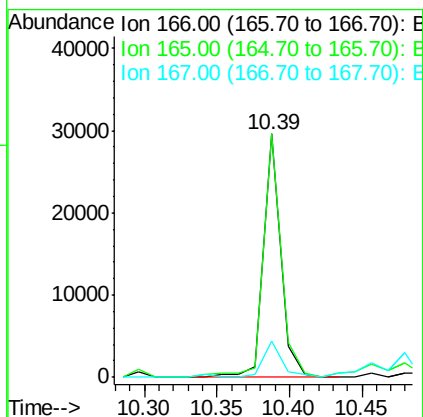
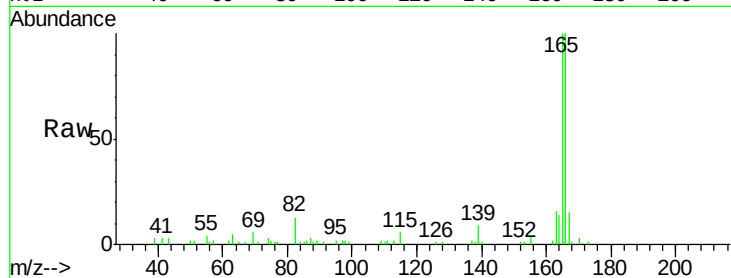




#57
 Fluorene
 Concen: Below Cal
 RT: 10.39 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF087874.D
 Acq: 10 Jun 2016 15:00

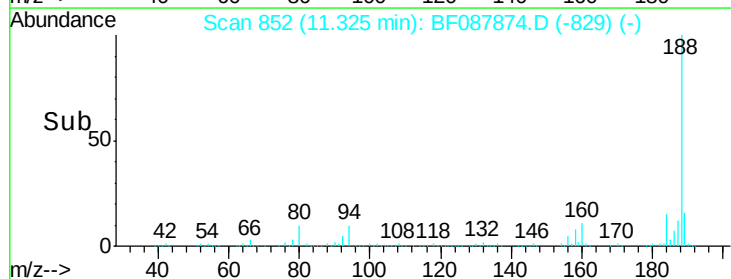
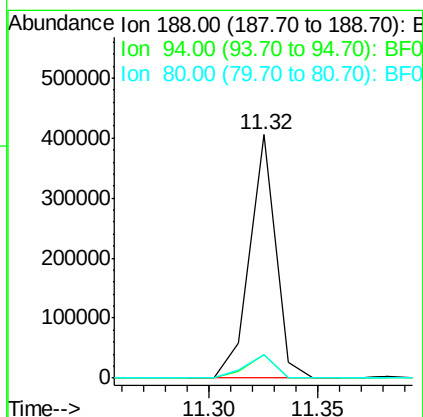
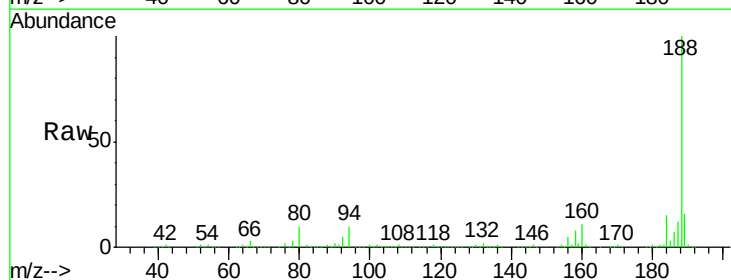
Instrument :
 BNA_F
 ClientSampleId :
 SS-54

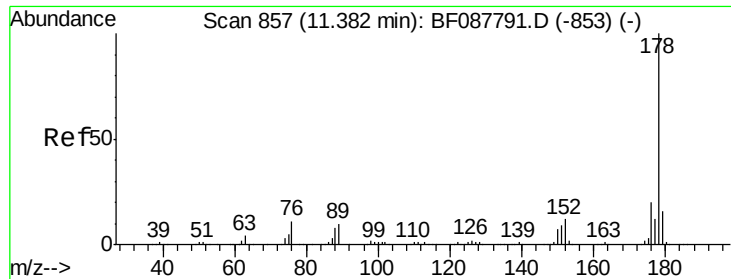
Tgt Ion:166 Resp: 24405
 Ion Ratio Lower Upper
 166 100
 165 100.1 77.8 116.8
 167 14.6 11.2 16.8



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.03 min
 Lab File: BF087874.D
 Acq: 10 Jun 2016 15:00

Tgt Ion:188 Resp: 336503
 Ion Ratio Lower Upper
 188 100
 94 9.9 9.0 13.6
 80 9.8 10.0 15.0#

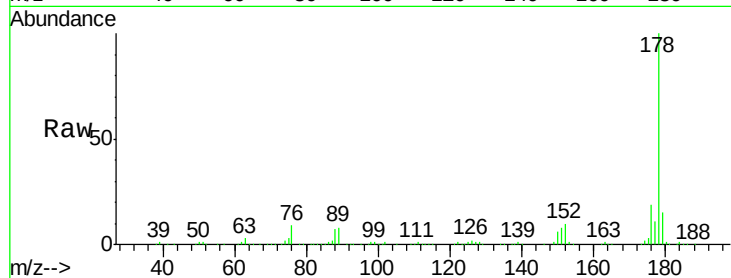




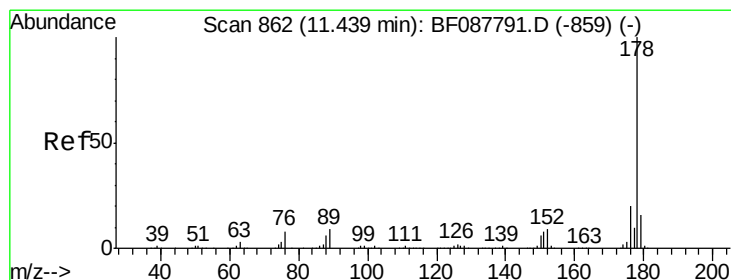
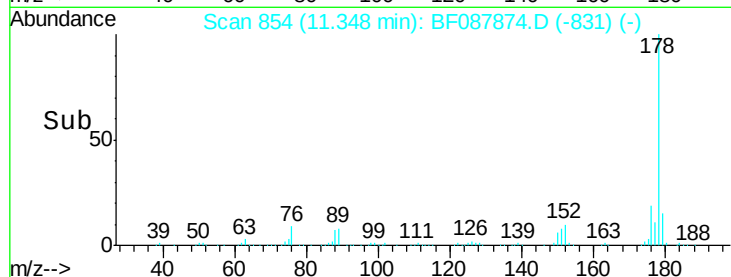
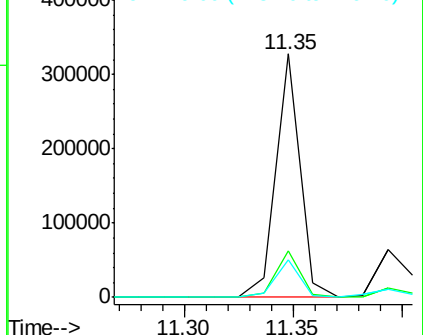
#70
Phenanthrene
Concen: 14.56 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087874.D
Acq: 10 Jun 2016 15:00

Instrument :
BNA_F
ClientSampleId :
SS-54

Tgt Ion:178 Resp: 257158
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.3 13.0 19.4

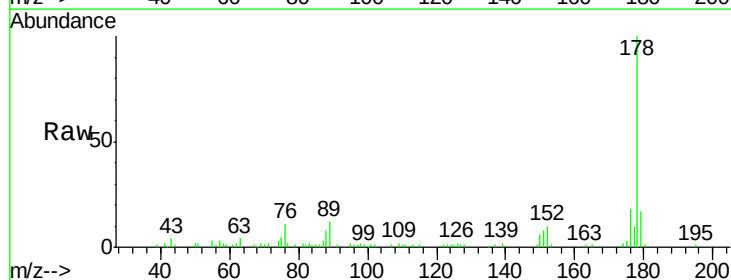


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

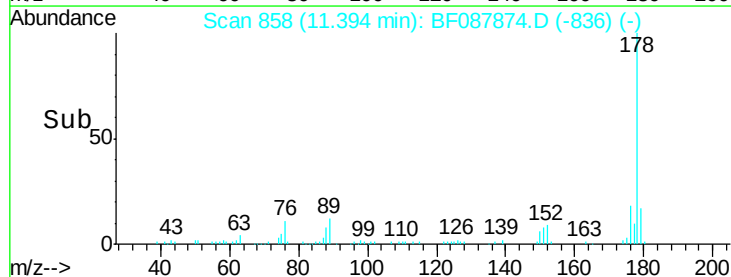
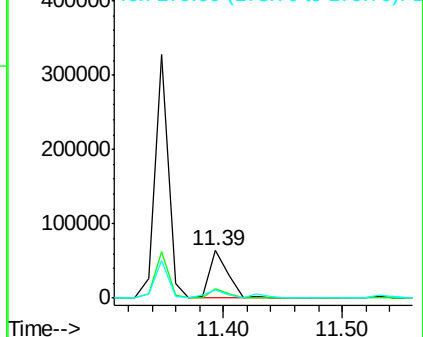


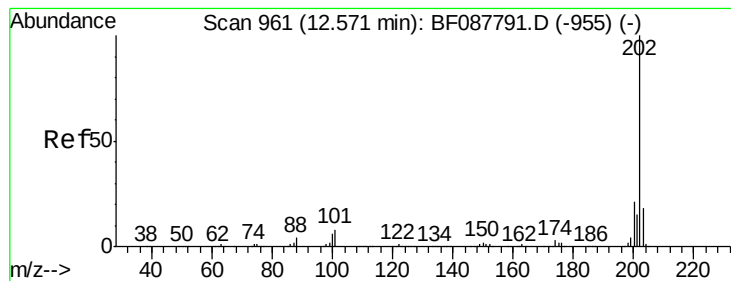
#71
Anthracene
Concen: 3.85 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.05 min
Lab File: BF087874.D
Acq: 10 Jun 2016 15:00

Tgt Ion:178 Resp: 68578
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 16.6 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: 16.53 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.05 min

Lab File: BF087874.D

Acq: 10 Jun 2016 15:00

Instrument :

BNA_F

ClientSampleId :

SS-54

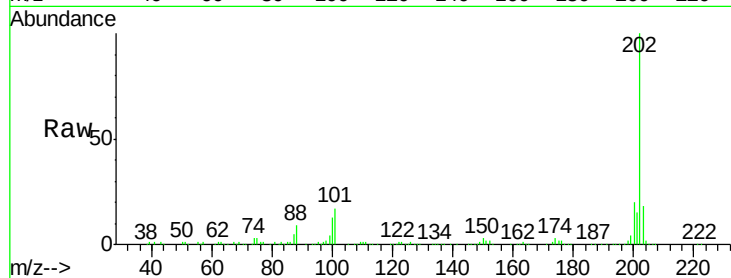
Tgt Ion: 202 Resp: 308038

Ion Ratio Lower Upper

202 100

101 17.2 0.0 33.1

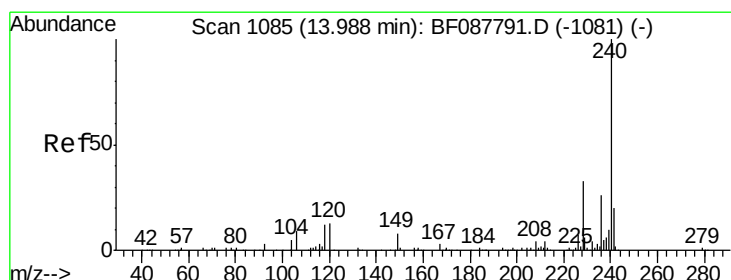
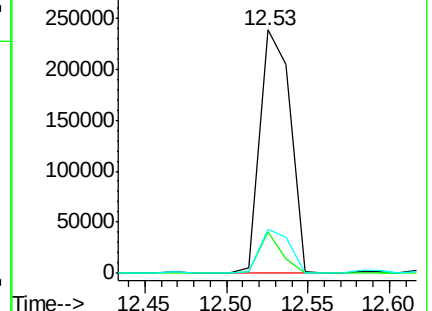
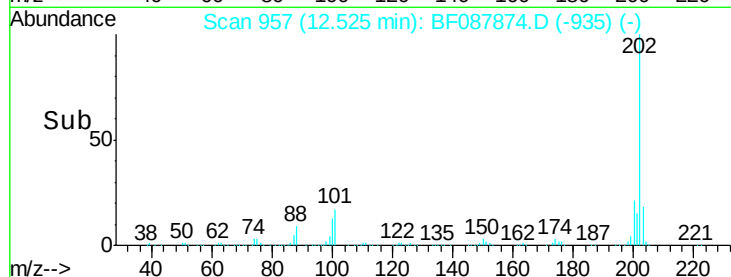
203 17.8 0.0 38.1



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: BF087874.D

Acq: 10 Jun 2016 15:00

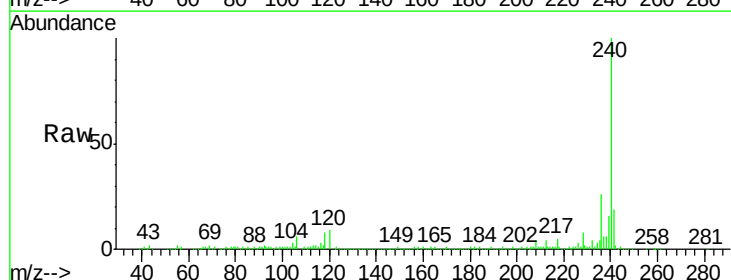
Tgt Ion: 240 Resp: 256343

Ion Ratio Lower Upper

240 100

120 9.4 6.8 10.2

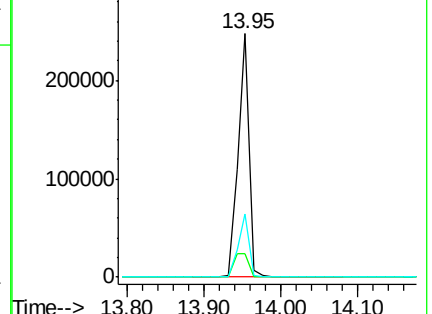
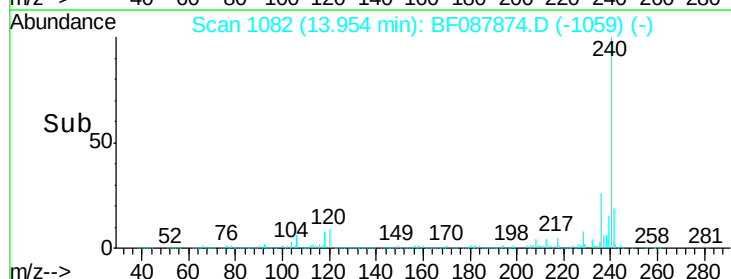
236 25.9 20.2 30.2

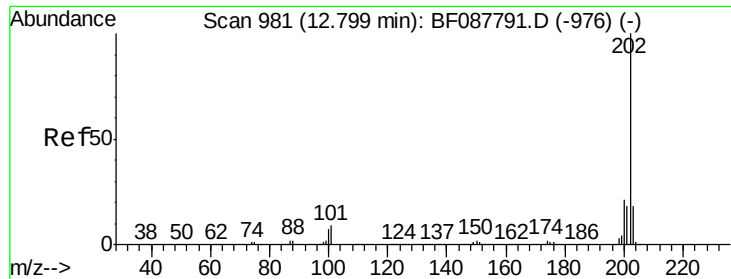


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.71 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.05 min

Lab File: BF087874.D

Acq: 10 Jun 2016 15:00

Instrument :

BNA_F

ClientSampleId :

SS-54

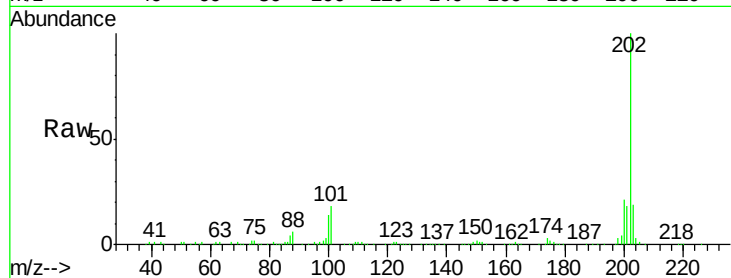
Tgt Ion: 202 Resp: 260856

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

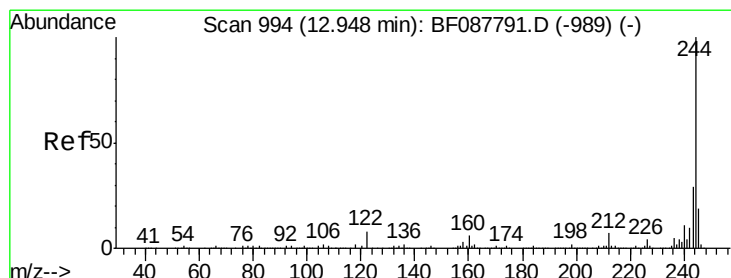
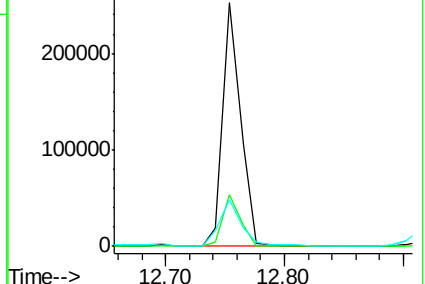
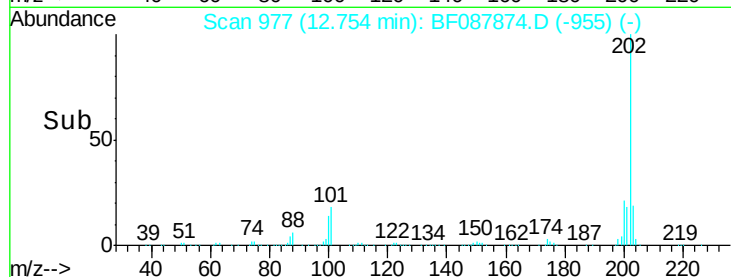
203 19.3 14.5 21.7



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: 23.43 ng

RT: 12.90 min Scan# 990

Delta R.T. -0.05 min

Lab File: BF087874.D

Acq: 10 Jun 2016 15:00

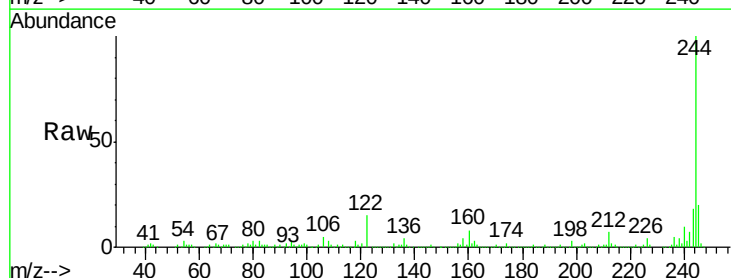
Tgt Ion: 244 Resp: 263941

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

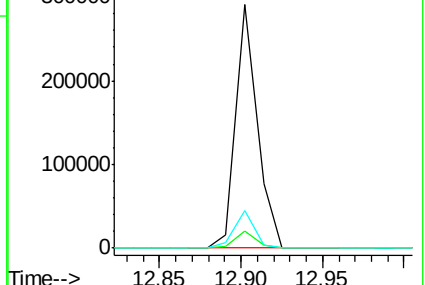
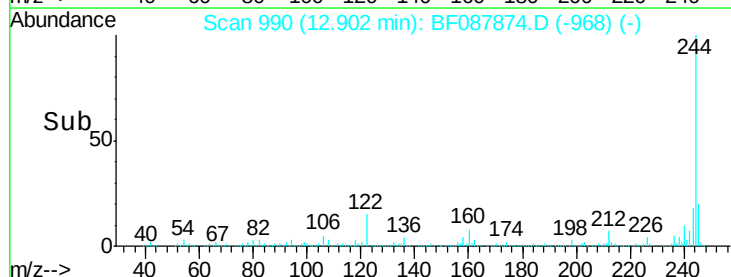
122 15.4 11.2 16.8

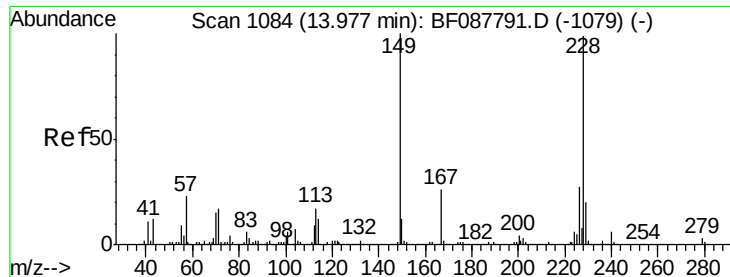


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.44 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF087874.D

Acq: 10 Jun 2016 15:00

Instrument :

BNA_F

ClientSampleId :

SS-54

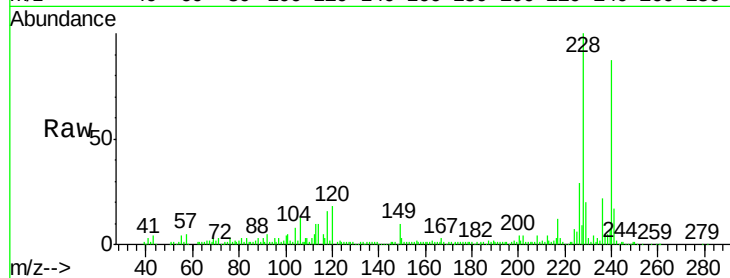
Tgt Ion:228 Resp: 137910

Ion Ratio Lower Upper

228 100

226 29.3 22.3 33.5

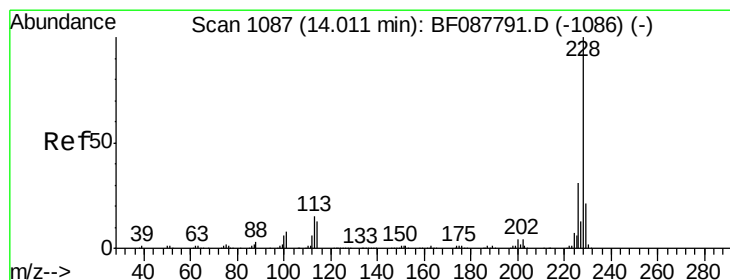
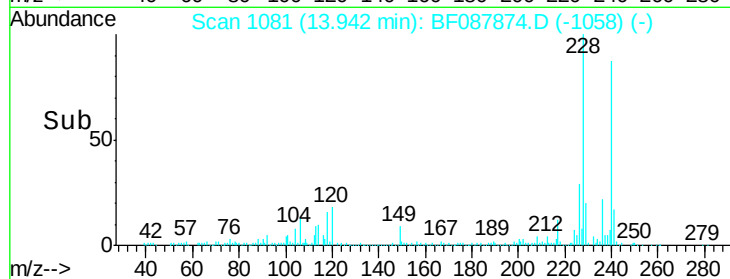
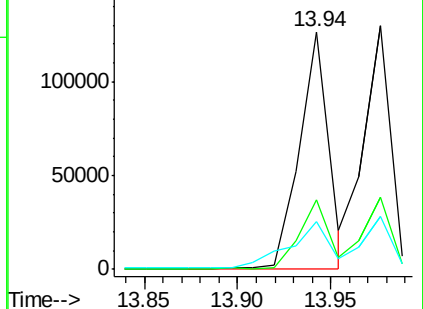
229 20.4 16.0 24.0



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: 10.06 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.07 min

Lab File: BF087874.D

Acq: 10 Jun 2016 15:00

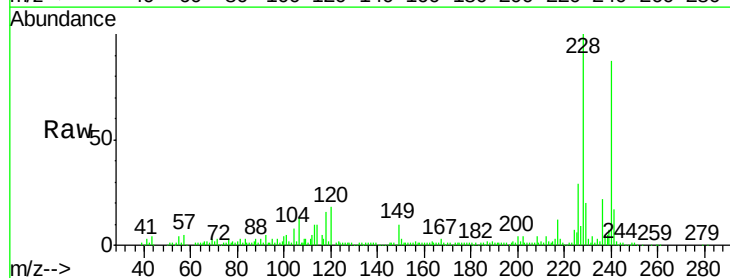
Tgt Ion:228 Resp: 138193

Ion Ratio Lower Upper

228 100

226 29.3 25.4 38.2

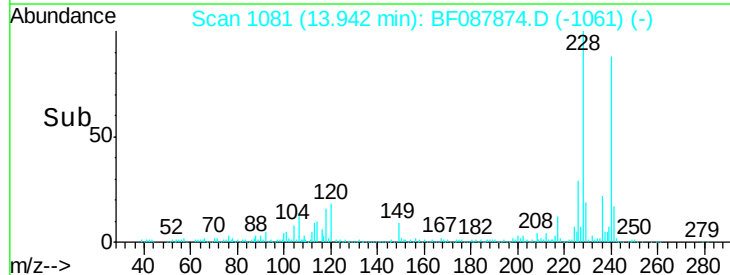
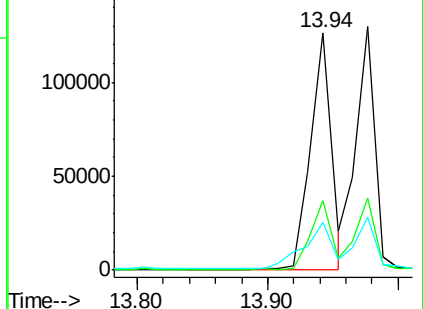
229 20.4 16.3 24.5

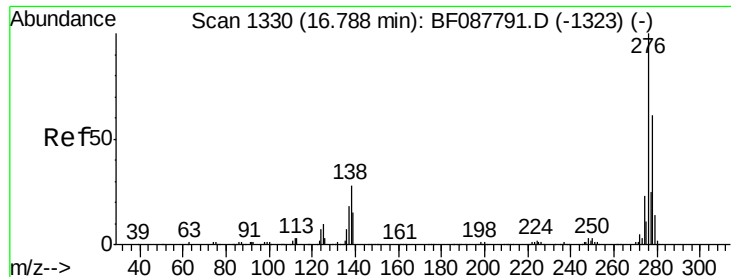


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

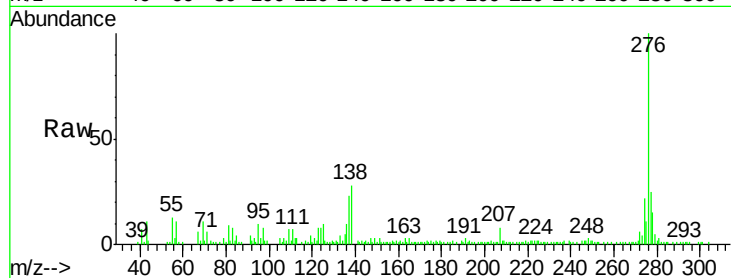




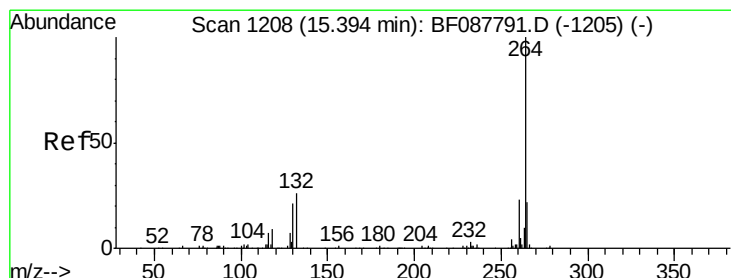
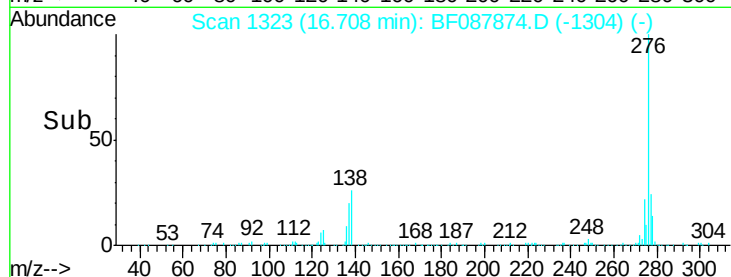
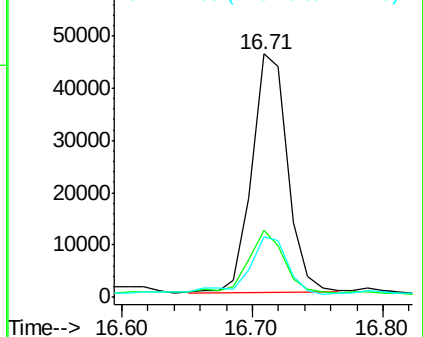
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.87 ng
 RT: 16.71 min Scan# 1323
 Delta R.T. -0.08 min
 Lab File: BF087874.D
 Acq: 10 Jun 2016 15:00

Instrument :
 BNA_F
 ClientSampleId :
 SS-54

Tgt Ion: 276 Resp: 87658
 Ion Ratio Lower Upper
 276 100
 138 27.0 0.0 0.0#
 277 28.8 0.0 0.0#

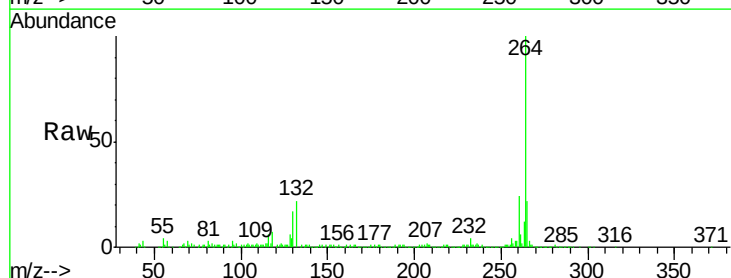


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

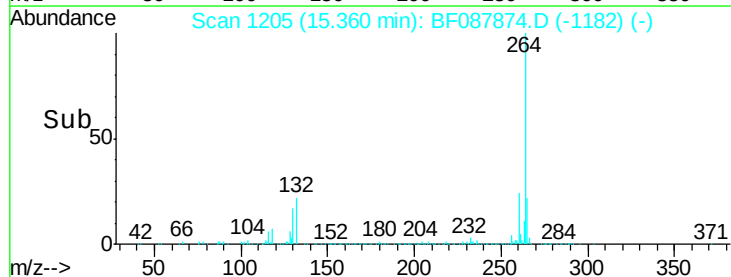
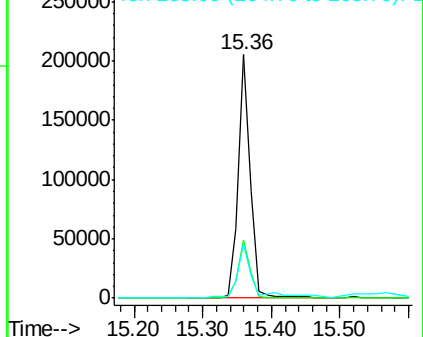


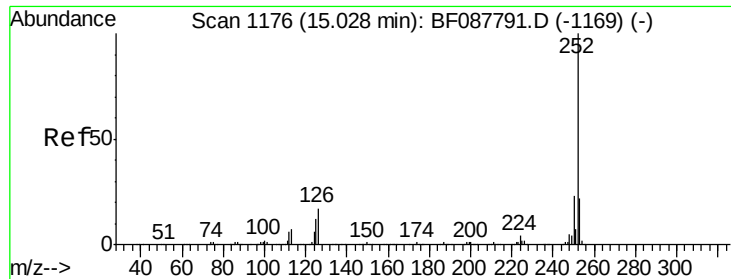
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF087874.D
 Acq: 10 Jun 2016 15:00

Tgt Ion: 264 Resp: 257431
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 22.5 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

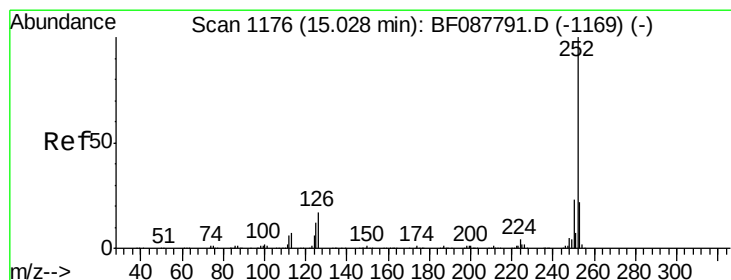
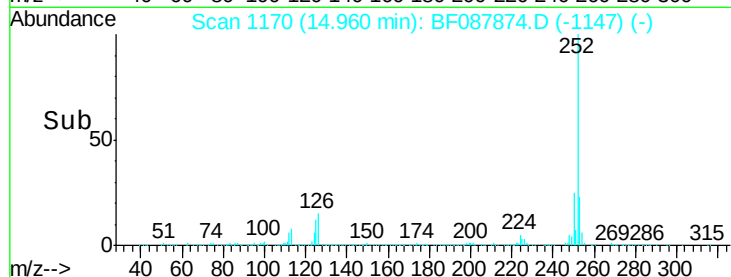
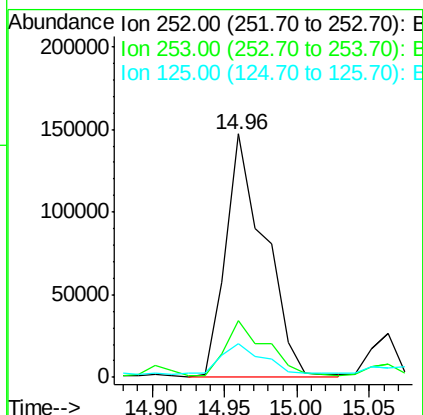
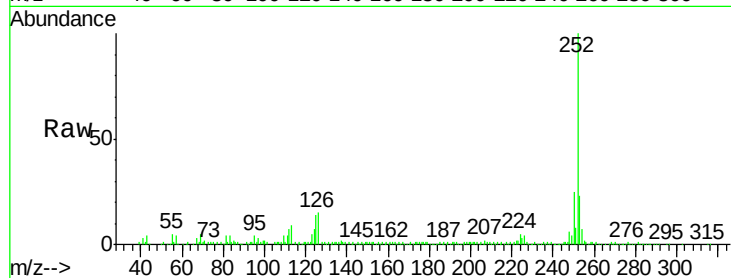




#87
Benzo(b)fluoranthene
Concen: 15.28 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF087874.D
Acq: 10 Jun 2016 15:00

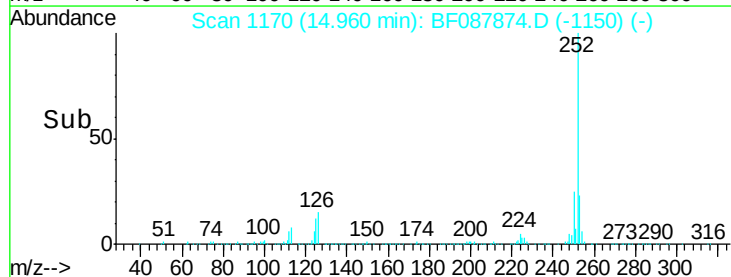
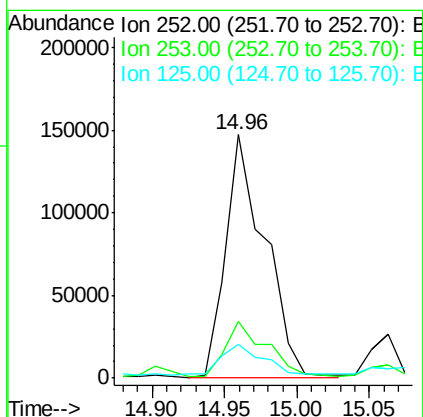
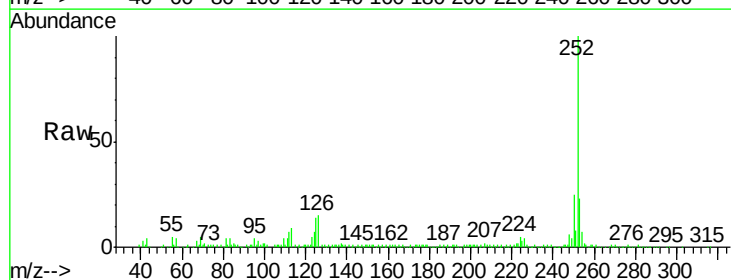
Instrument :
BNA_F
ClientSampleId :
SS-54

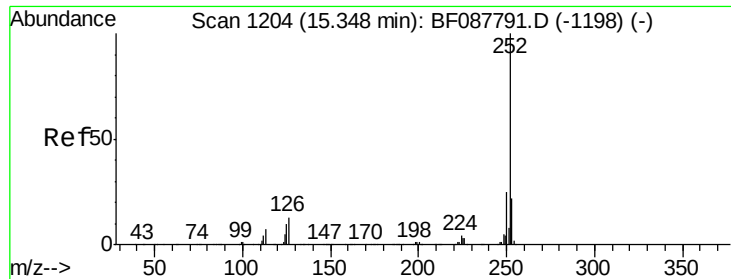
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	13.8	7.1	10.7#



#88
Benzo(k)fluoranthene
Concen: 20.25 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.07 min
Lab File: BF087874.D
Acq: 10 Jun 2016 15:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	13.8	11.2	16.8





#89

Benzo(a)pyrene

Concen: 7.46 ng

RT: 15.25 min Scan# 1195

Delta R.T. -0.10 min

Lab File: BF087874.D

Acq: 10 Jun 2016 15:00

Instrument :

BNA_F

ClientSampleId :

SS-54

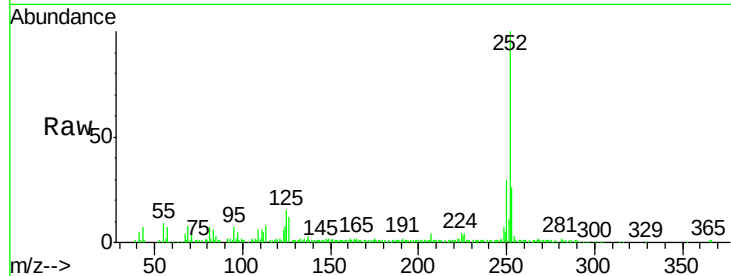
Tgt Ion: 252 Resp: 108298

Ion Ratio Lower Upper

252 100

253 26.2 17.9 26.9

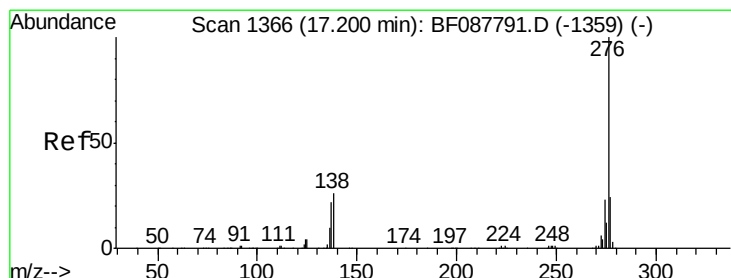
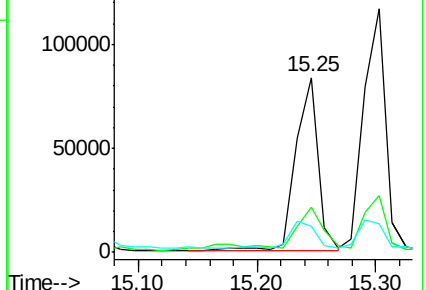
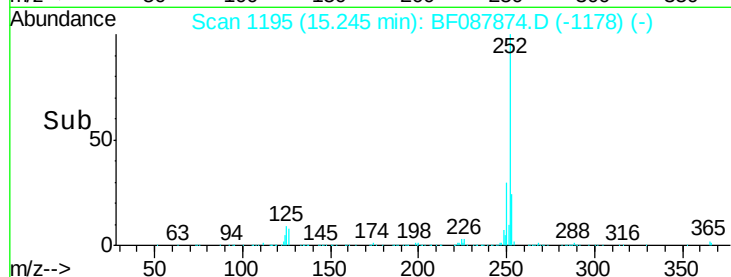
125 14.8 12.5 18.7



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: 5.91 ng

RT: 17.12 min Scan# 1359

Delta R.T. -0.08 min

Lab File: BF087874.D

Acq: 10 Jun 2016 15:00

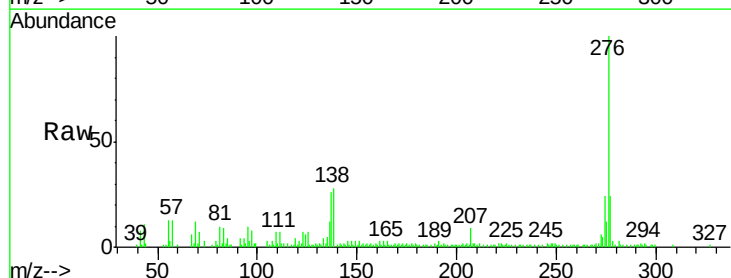
Tgt Ion: 276 Resp: 82006

Ion Ratio Lower Upper

276 100

277 24.3 18.9 28.3

138 28.1 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

