

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
 Data File : BF087829.D
 Acq On : 9 Jun 2016 00:44
 Operator : UM/SJ
 Sample : H3399-17 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-36

Quant Time: Jun 09 02:03:42 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

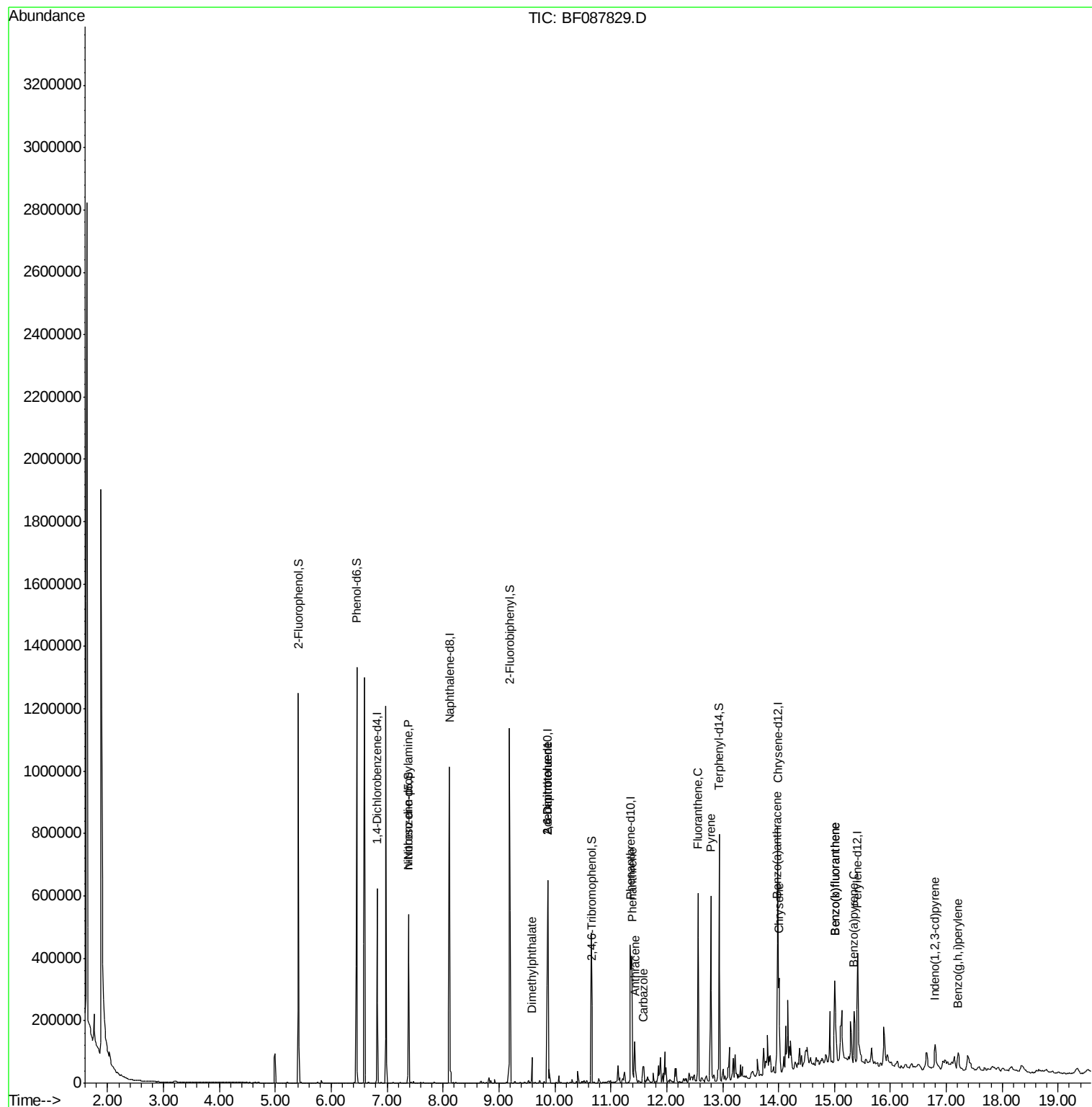
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	104596	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	441249	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	147881	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	225038	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	200307	20.00	ng	0.00
86) Perylene-d12	15.42	264	156161	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	329599	53.87	ng	-0.01
7) Phenol-d6	6.46	99	451681	60.91	ng	-0.02
23) Nitrobenzene-d5	7.38	82	228662	30.26	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	66923	42.86	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	430034	42.94	ng	-0.02
78) Terphenyl-d14	12.94	244	261452	29.70	ng	-0.01
Target Compounds						
10) Phenol	6.47	94	2011	Below Cal		Qvalue 79
19) n-Nitroso-di-n-propylamine	7.38	70	28383	5.98 ng	#	78
45) 1,1'-Biphenyl	9.29	154	1511	Below Cal		89
49) Dimethylphthalate	9.59	163	32516	3.04 ng		100
50) 2,6-Dinitrotoluene	9.87	165	19173	7.82 ng	#	37
56) 2,4-Dinitrotoluene	9.87	165	19173	6.08 ng	#	36
57) Fluorene	10.41	166	11974	Below Cal		96
70) Phenanthrene	11.38	178	231296	19.59 ng		97
71) Anthracene	11.43	178	49865	4.19 ng		97
72) Carbazole	11.59	167	29089	2.61 ng		98
74) Fluoranthene	12.56	202	327373	26.27 ng		96
77) Pyrene	12.79	202	280749	18.89 ng		98
80) Benzo(a)anthracene	13.98	228	160963	14.10 ng		99
82) Chrysene	14.01	228	115596	10.76 ng		97
85) Indeno(1,2,3-cd)pyrene	16.80	276	49874	5.00 ng	#	100
87) Benzo(b)fluoranthene	15.01	252	186477	17.13 ng	#	95
88) Benzo(k)fluoranthene	15.01	252	186477	22.71 ng		99
89) Benzo(a)pyrene	15.35	252	89537	10.17 ng		99
91) Benzo(g,h,i)perylene	17.21	276	49920	5.93 ng		98

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

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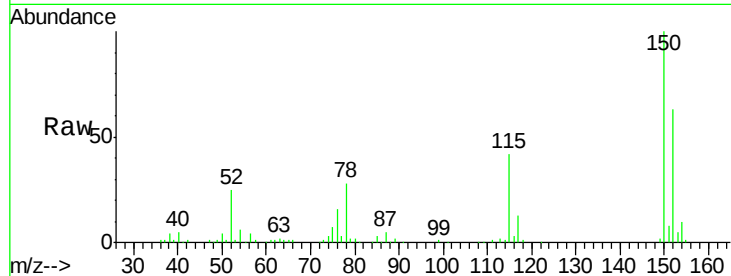




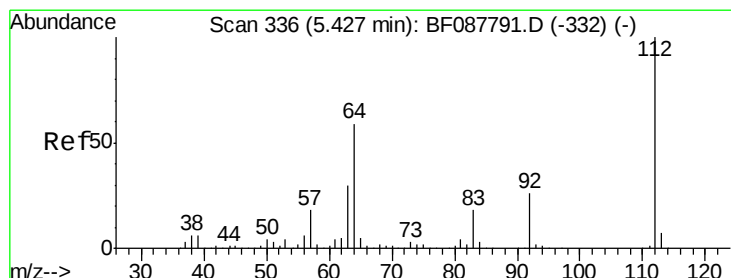
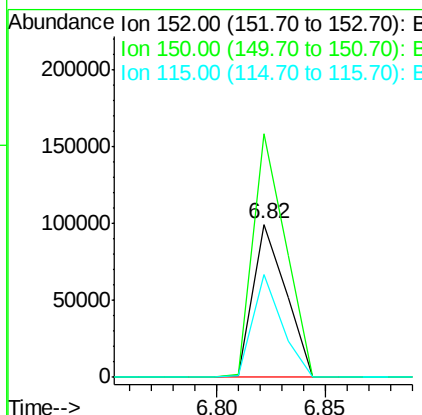
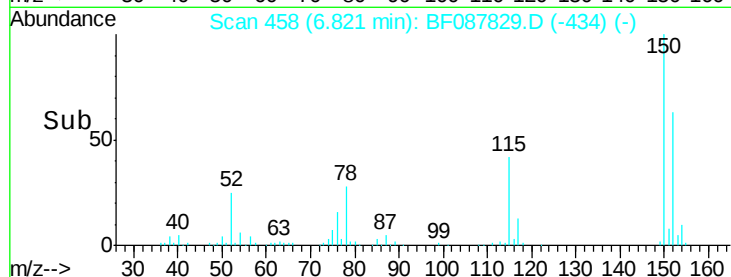
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.82 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF087829.D
 Acq: 9 Jun 2016 00:44

Instrument :
 BNA_F
 ClientSampleId :
 SS-36

Tgt Ion:152 Resp: 104596
 Ion Ratio Lower Upper
 152 100
 150 158.9 123.8 185.6
 115 67.0 39.6 59.4#

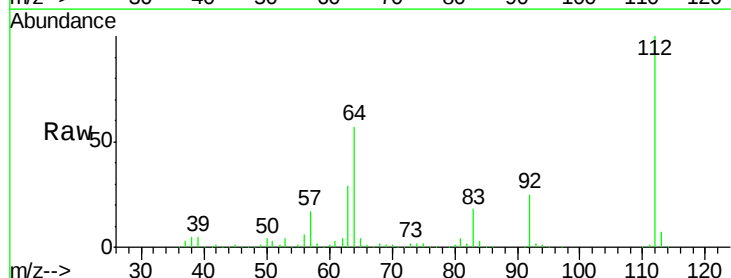


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

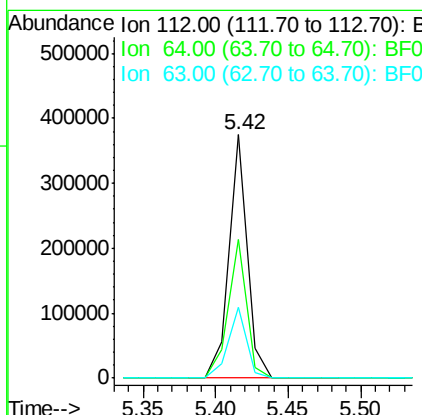
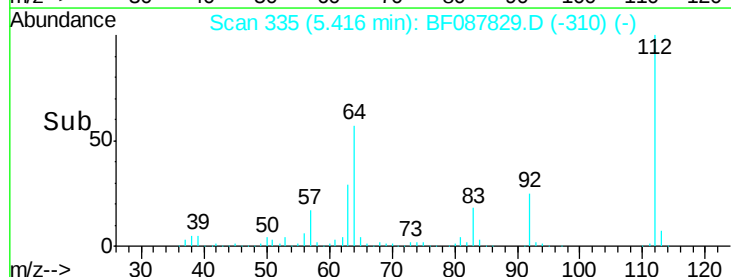


#5
 2-Fluorophenol
 Concen: 53.87 ng
 RT: 5.42 min Scan# 335
 Delta R.T. -0.01 min
 Lab File: BF087829.D
 Acq: 9 Jun 2016 00:44

Tgt Ion:112 Resp: 329599
 Ion Ratio Lower Upper
 112 100
 64 56.9 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: 60.91 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

Instrument :

BNA_F

ClientSampleId :

SS-36

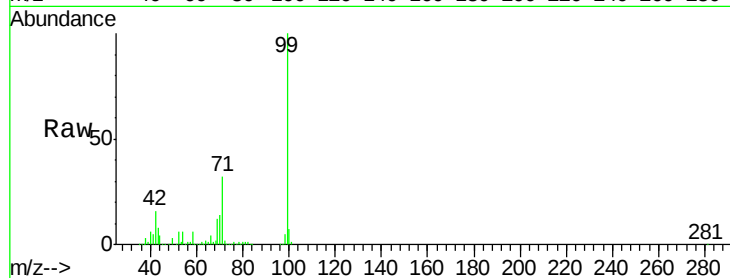
Tgt Ion: 99 Resp: 451681

Ion Ratio Lower Upper

99 100

42 15.7 12.2 18.2

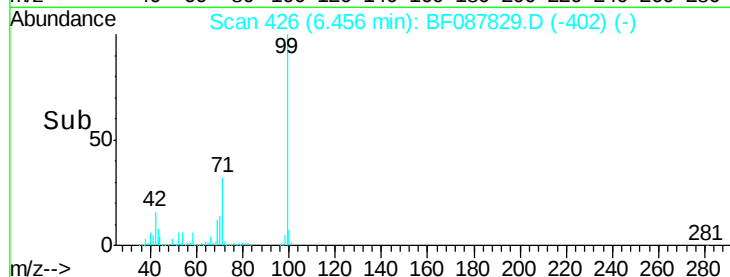
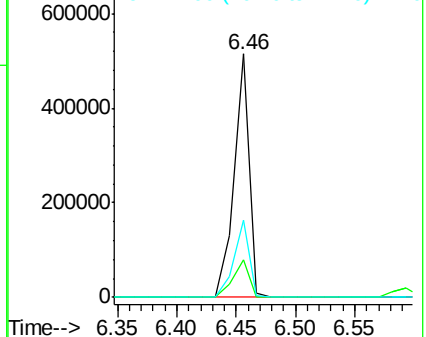
71 31.5 23.4 35.0



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: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

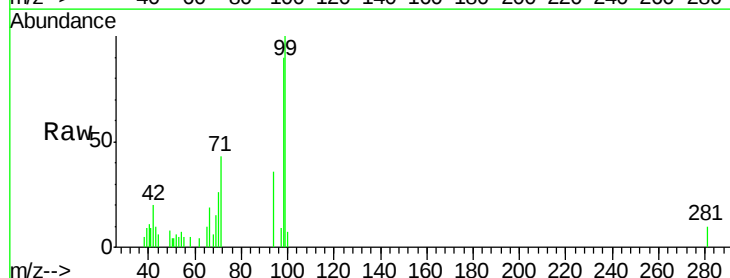
Tgt Ion: 94 Resp: 2011

Ion Ratio Lower Upper

94 100

65 28.8 5.9 45.9

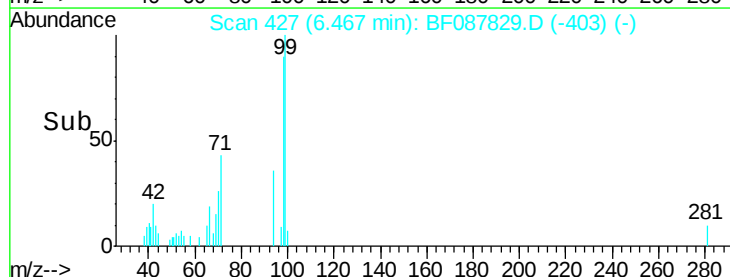
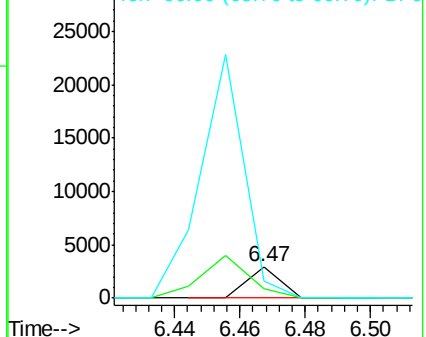
66 52.9 14.0 54.0



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

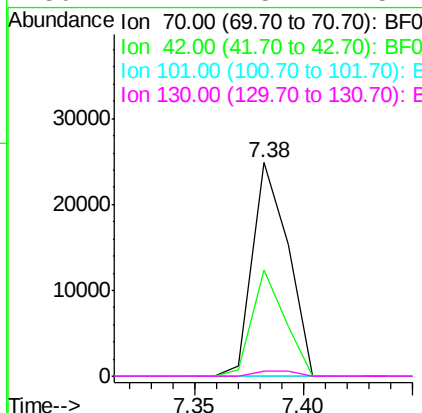
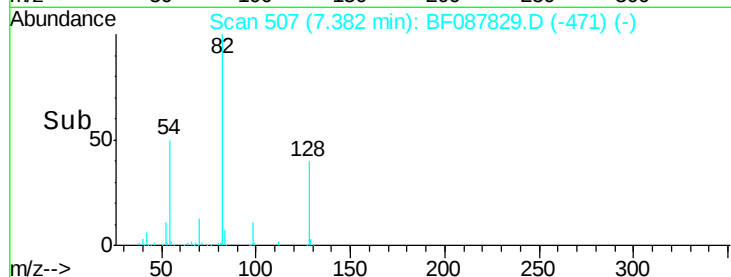
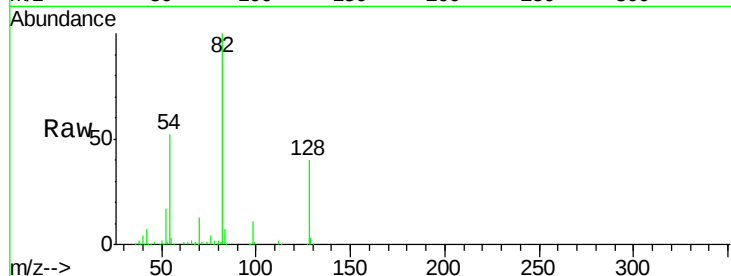




#19
n-Nitroso-di-n-propylamine
Concen: 5.98 ng
RT: 7.38 min Scan# 507
Delta R.T. 0.11 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

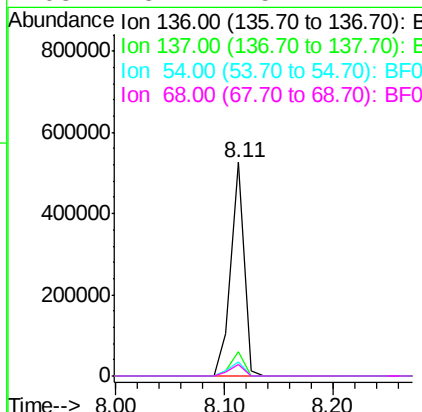
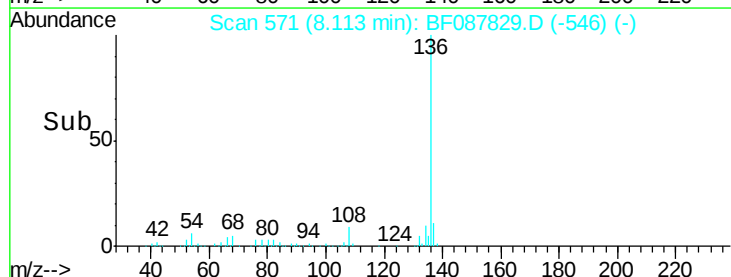
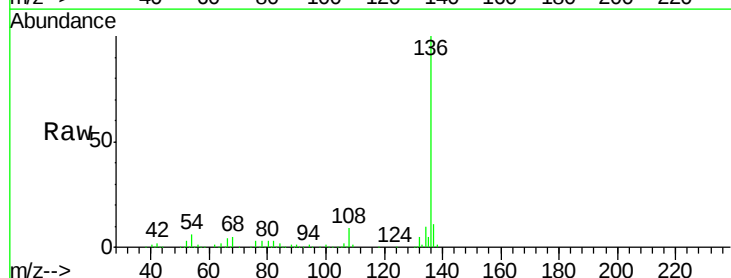
Instrument :
BNA_F
ClientSampleId :
SS-36

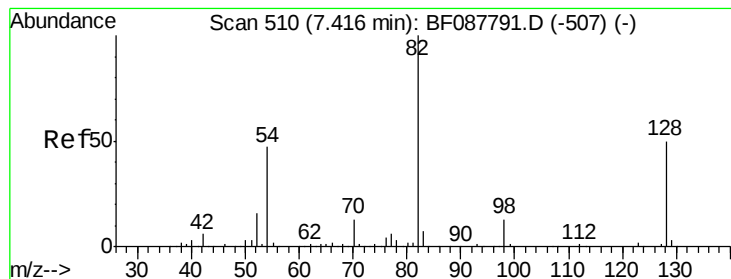
Tgt Ion: 70 Resp: 28383
Ion Ratio Lower Upper
70 100
42 49.5 49.6 74.4#
101 0.0 7.1 10.7#
130 2.1 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Tgt Ion: 136 Resp: 441249
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 6.5 6.6 10.0#
68 5.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 30.26 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

Instrument :

BNA_F

ClientSampleId :

SS-36

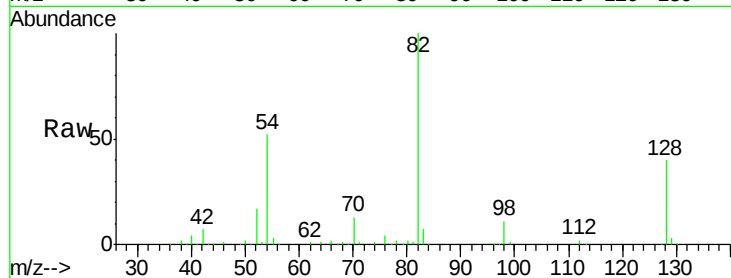
Tgt Ion: 82 Resp: 228662

Ion Ratio Lower Upper

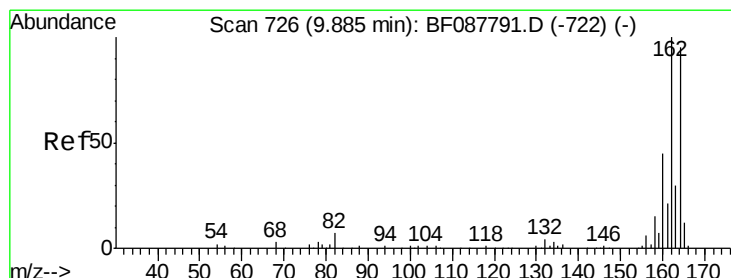
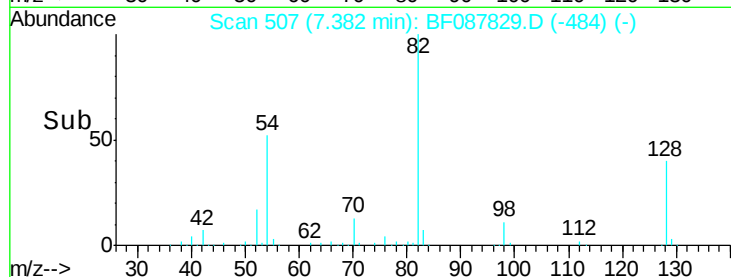
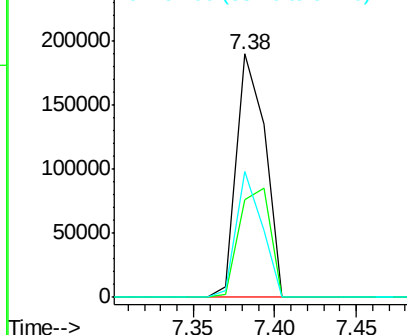
82 100

128 40.2 35.9 53.9

54 51.6 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: 9.87 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

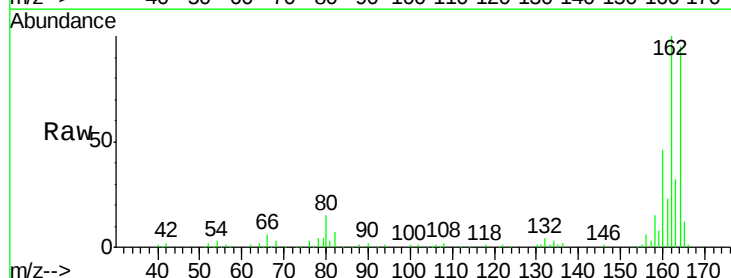
Tgt Ion: 164 Resp: 147881

Ion Ratio Lower Upper

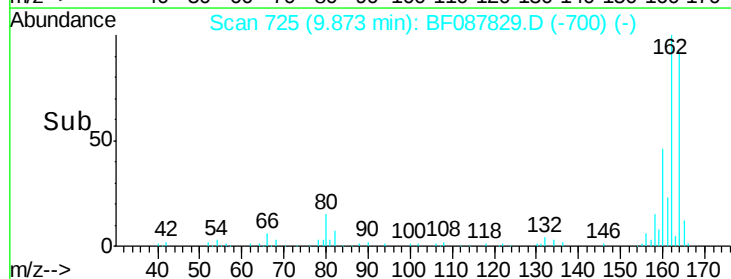
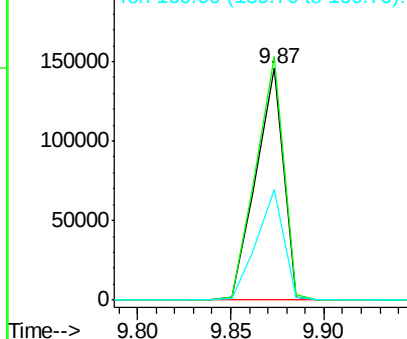
164 100

162 105.1 85.4 128.2

160 47.8 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

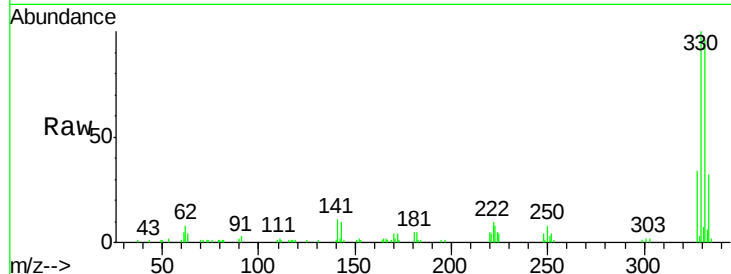




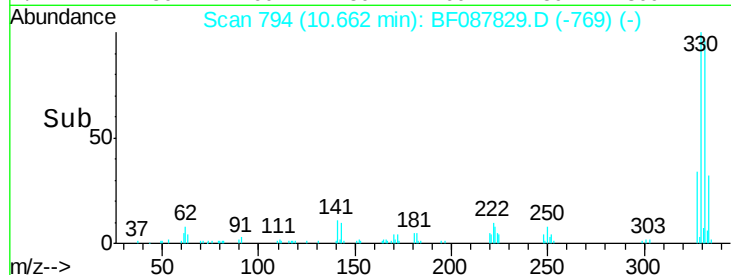
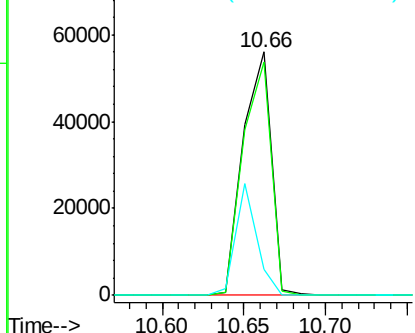
#41
 2,4,6-Tribromophenol
 Concen: 42.86 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087829.D
 Acq: 9 Jun 2016 00:44

Instrument :
 BNA_F
 ClientSampleId :
 SS-36

Tgt Ion:330 Resp: 66923
 Ion Ratio Lower Upper
 330 100
 332 95.8 0.0 0.0#
 141 34.3 0.0 0.0#

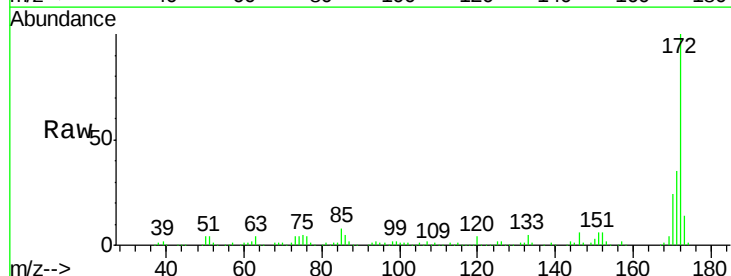


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

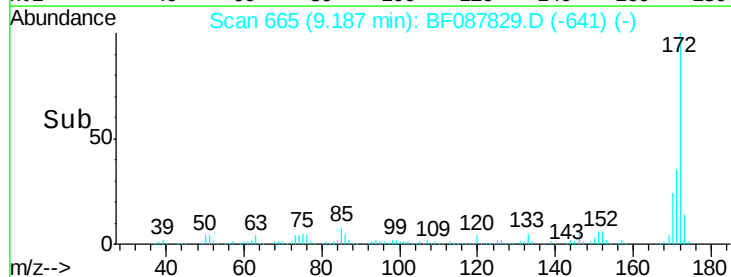
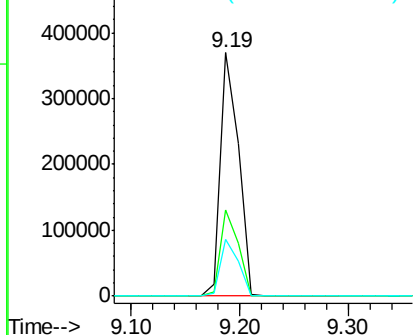


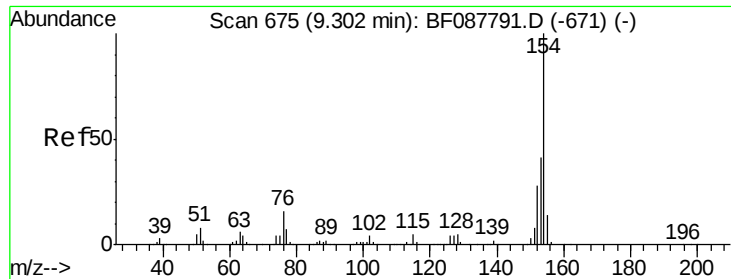
#44
 2-Fluorobiphenyl
 Concen: 42.94 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087829.D
 Acq: 9 Jun 2016 00:44

Tgt Ion:172 Resp: 430034
 Ion Ratio Lower Upper
 172 100
 171 35.4 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

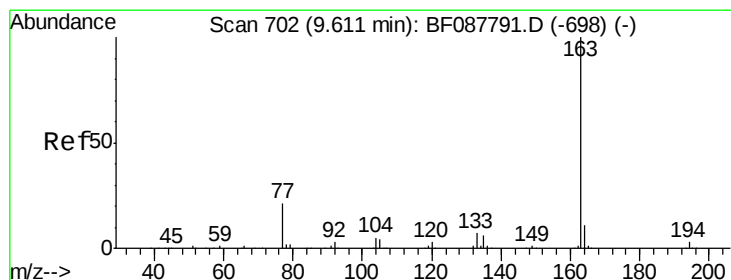
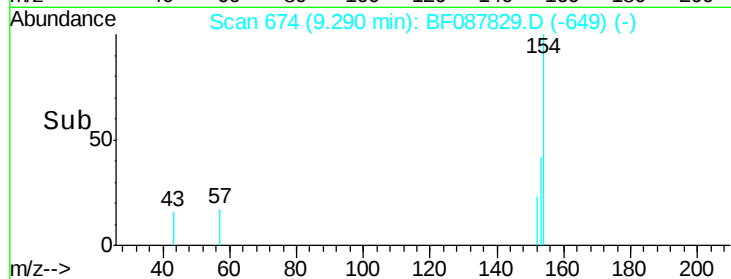
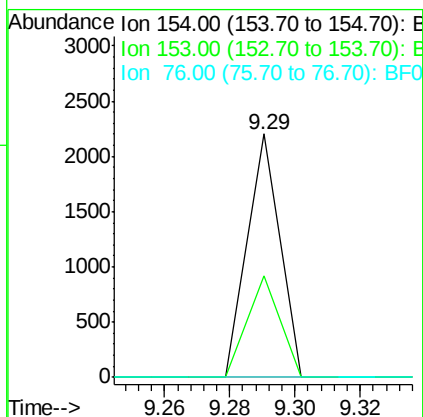
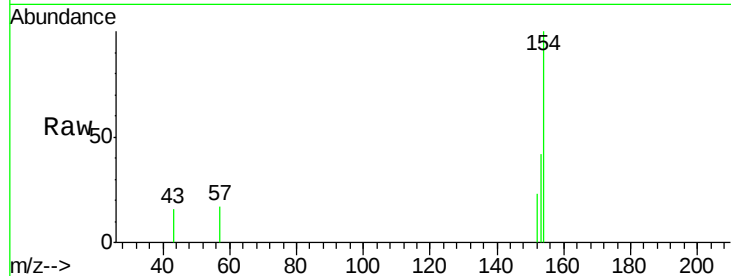




#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.29 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF087829.D
 Acq: 9 Jun 2016 00:44

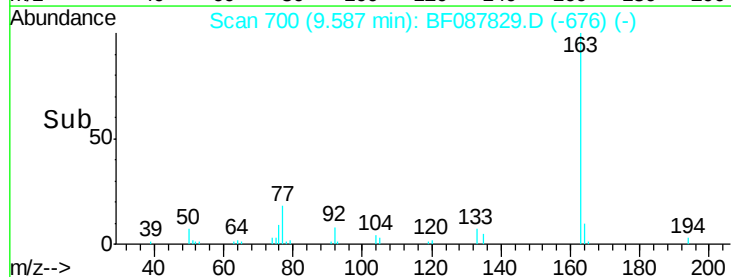
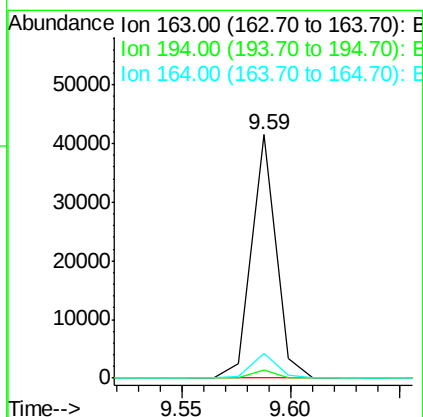
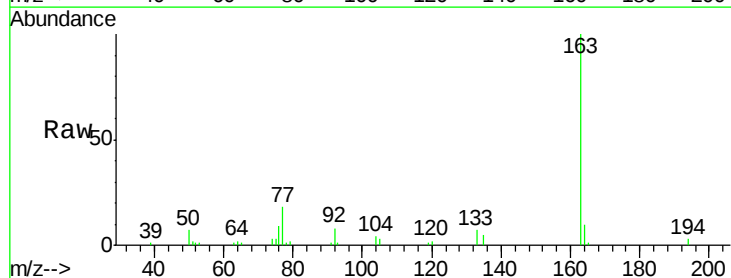
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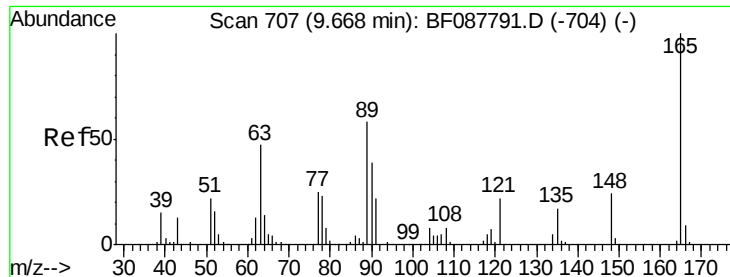
Tgt Ion:154 Resp: 1511
 Ion Ratio Lower Upper
 154 100
 153 41.9 20.6 60.6
 76 0.0 0.0 35.1



#49
 Dimethylphthalate
 Concen: 3.04 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.02 min
 Lab File: BF087829.D
 Acq: 9 Jun 2016 00:44

Tgt Ion:163 Resp: 32516
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.8 4.2
 164 10.2 8.3 12.5

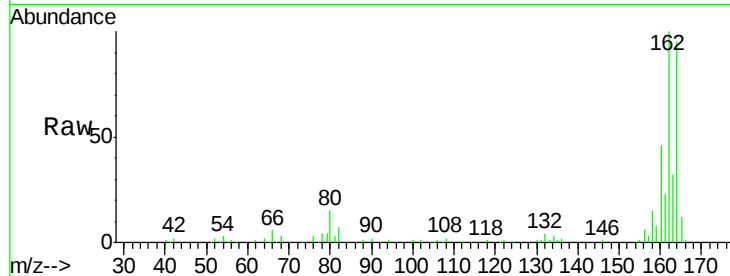




#50
 2,6-Dinitrotoluene
 Concen: 7.82 ng
 RT: 9.87 min Scan# 725
 Delta R.T. 0.21 min
 Lab File: BF087829.D
 Acq: 9 Jun 2016 00:44

Instrument :
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 ClientSampleId :
 SS-36

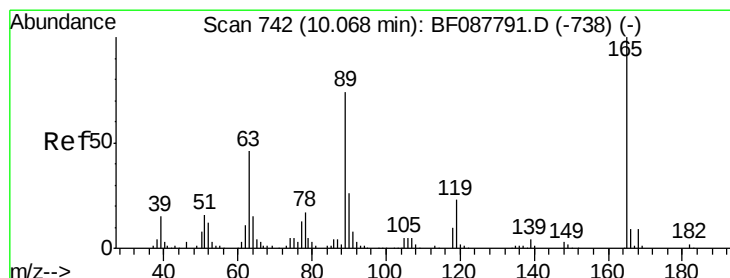
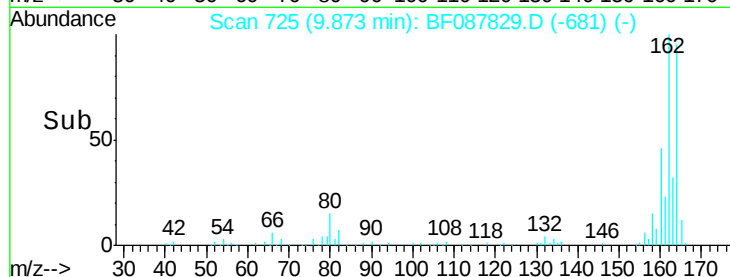
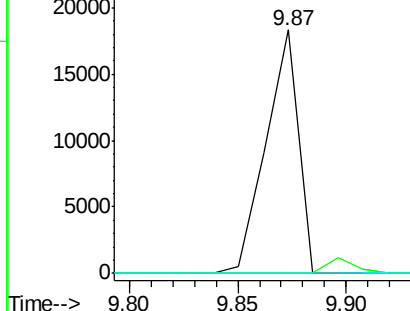
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



Abundance Ion 165.00 (164.70 to 165.70): E

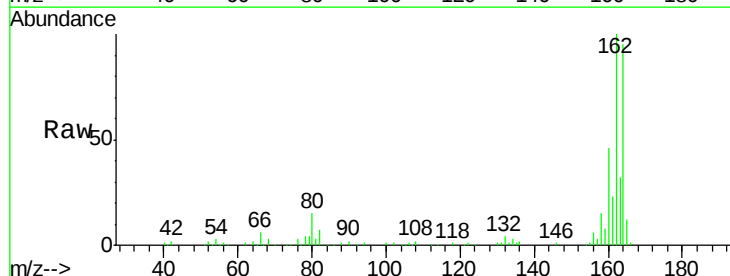
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.08 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.19 min
 Lab File: BF087829.D
 Acq: 9 Jun 2016 00:44

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

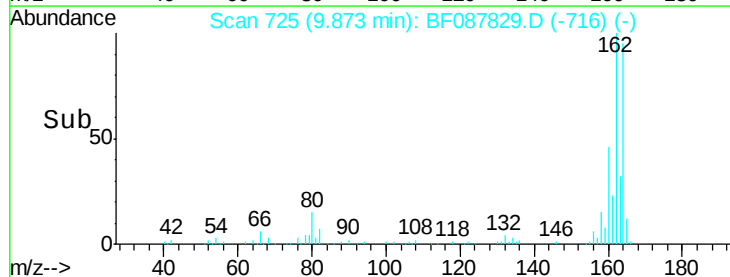
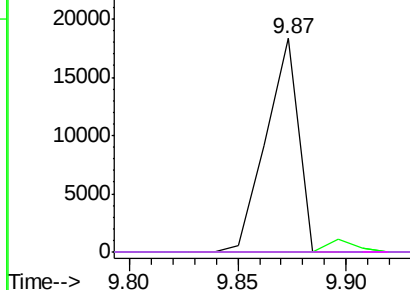


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.41 min Scan# 772

Delta R.T. -0.02 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

Instrument :

BNA_F

ClientSampleId :

SS-36

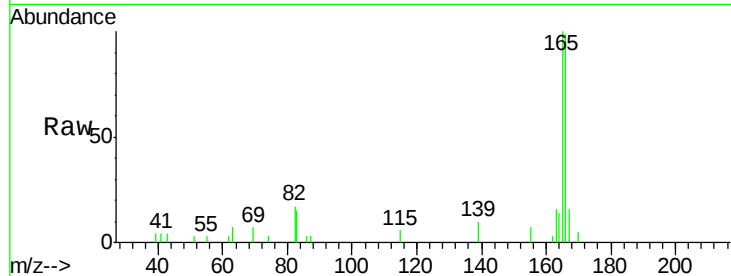
Tgt Ion:166 Resp: 11974

Ion Ratio Lower Upper

166 100

165 101.3 77.8 116.8

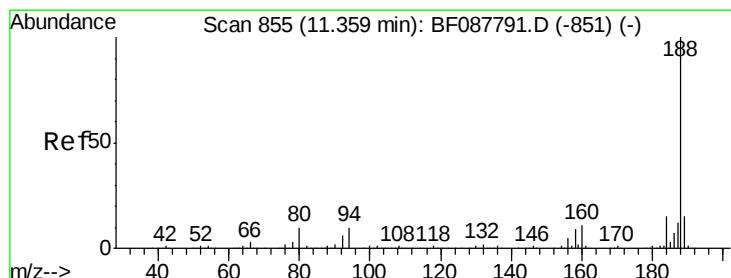
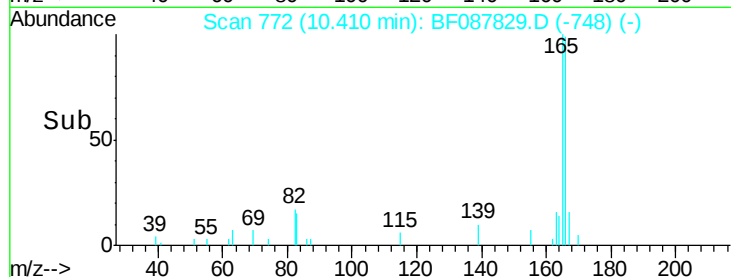
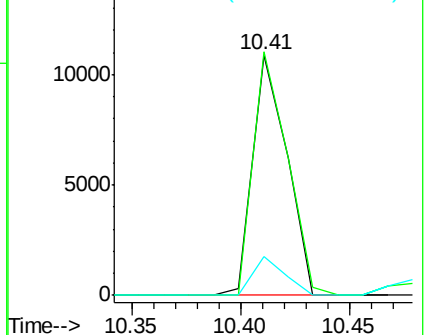
167 16.4 11.2 16.8



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: 11.35 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

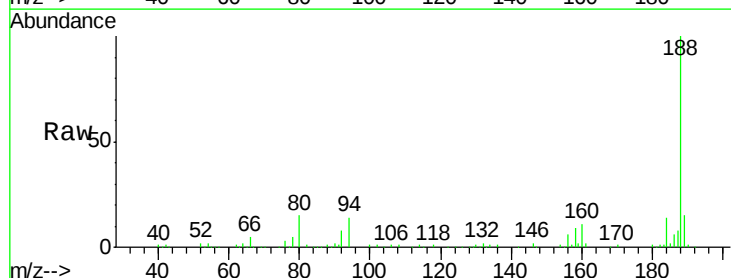
Tgt Ion:188 Resp: 225038

Ion Ratio Lower Upper

188 100

94 13.8 9.0 13.6#

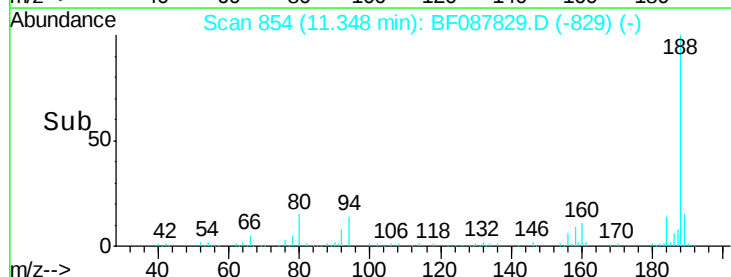
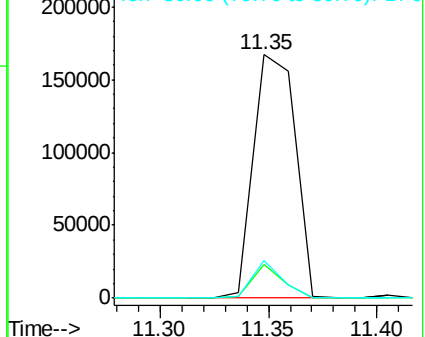
80 15.3 10.0 15.0#

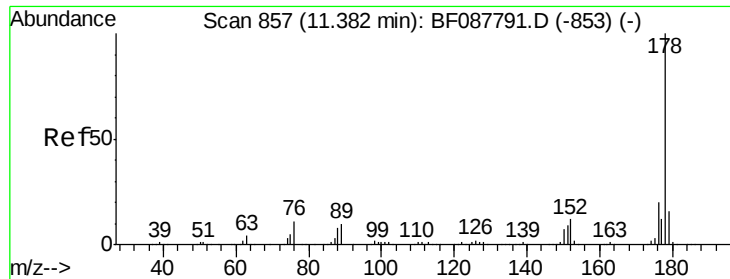


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

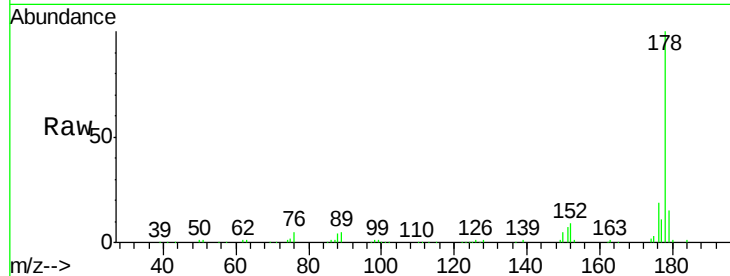




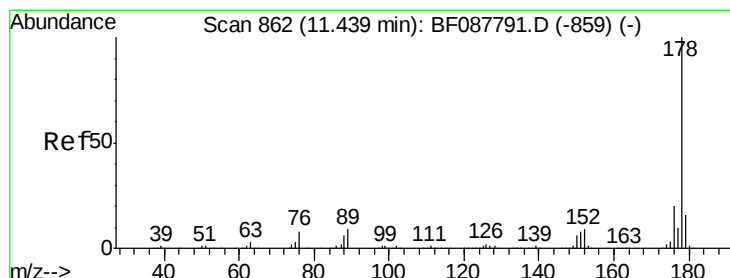
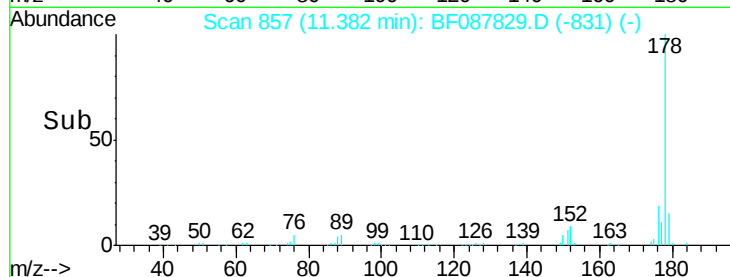
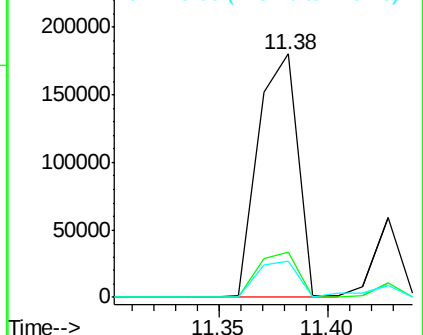
#70
Phenanthrene
Concen: 19.59 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Instrument :
BNA_F
ClientSampleId :
SS-36

Tgt Ion:178 Resp: 231296
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 14.7 13.0 19.4

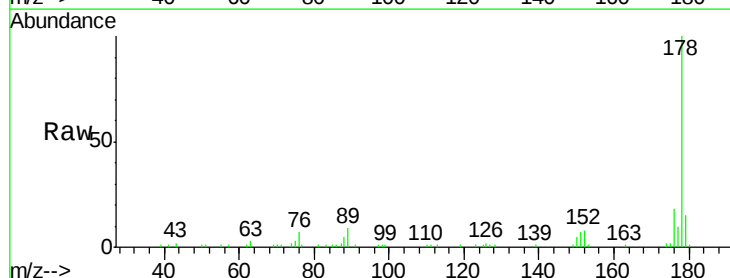


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

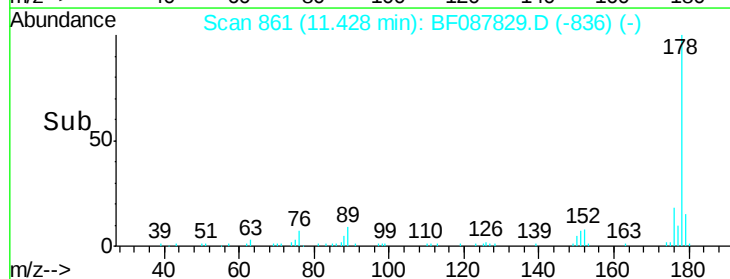
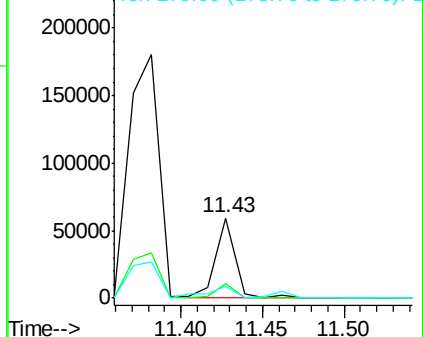


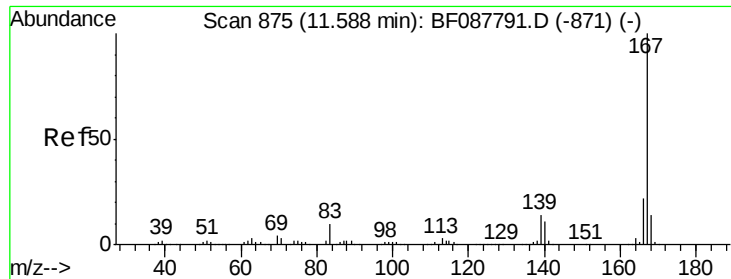
#71
Anthracene
Concen: 4.19 ng
RT: 11.43 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Tgt Ion:178 Resp: 49865
Ion Ratio Lower Upper
178 100
176 17.7 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

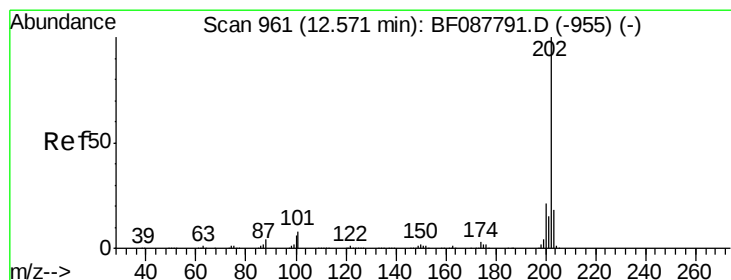
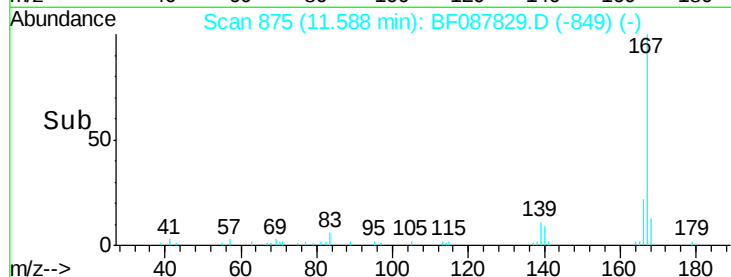
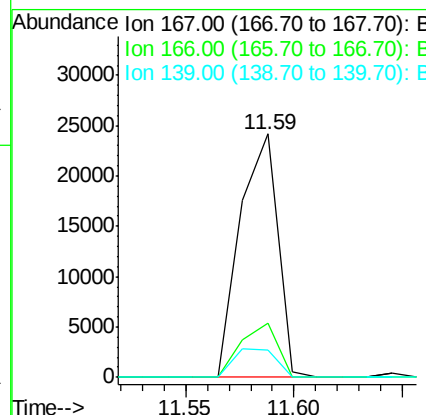
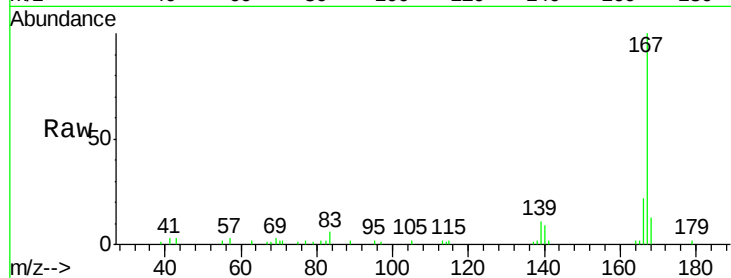




#72
 Carbazole
 Concen: 2.61 ng
 RT: 11.59 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: BF087829.D
 Acq: 9 Jun 2016 00:44

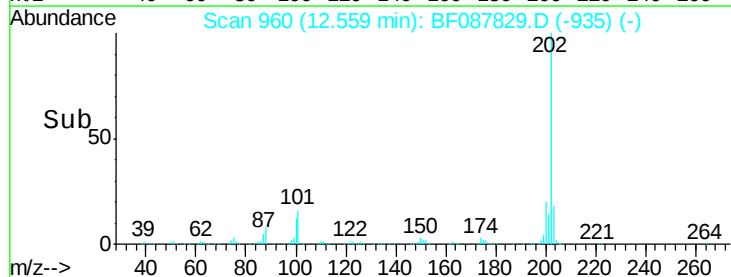
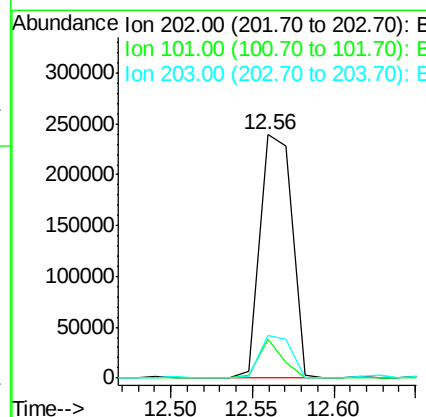
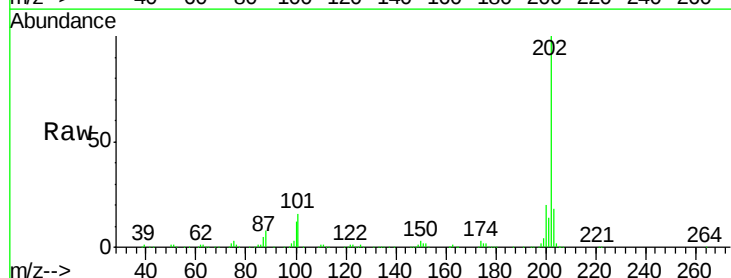
Instrument :
 BNA_F
 ClientSampleId :
 SS-36

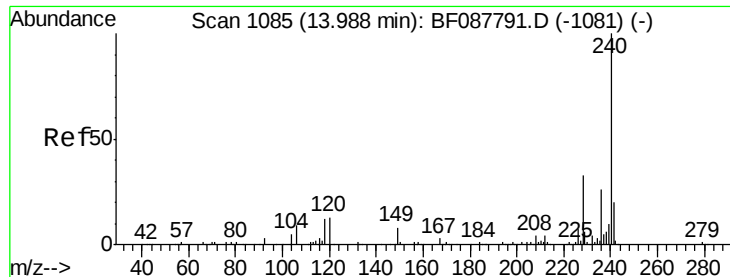
Tgt Ion:167 Resp: 29089
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.8 26.6
 139 11.4 11.2 16.8



#74
 Fluoranthene
 Concen: 26.27 ng
 RT: 12.56 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF087829.D
 Acq: 9 Jun 2016 00:44

Tgt Ion:202 Resp: 327373
 Ion Ratio Lower Upper
 202 100
 101 16.1 0.0 33.1
 203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

Instrument :

BNA_F

ClientSampled :

SS-36

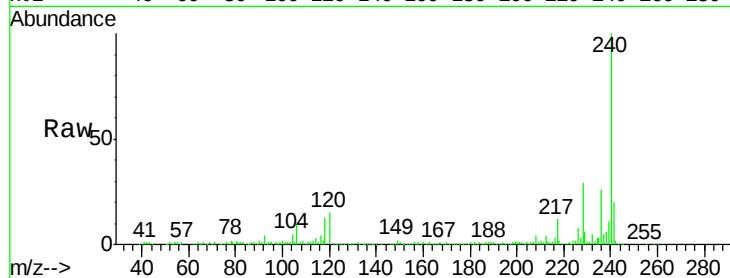
Tgt Ion:240 Resp: 200307

Ion Ratio Lower Upper

240 100

120 14.5 6.8 10.2#

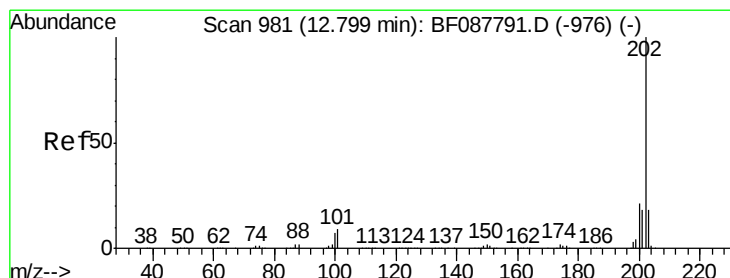
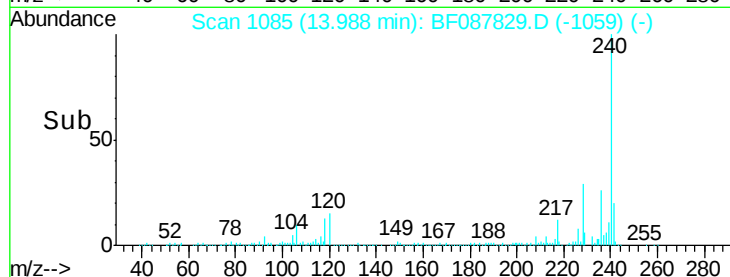
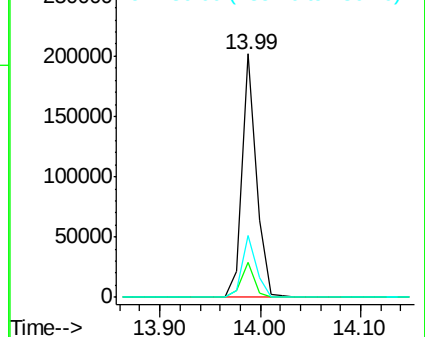
236 25.6 20.2 30.2



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: 18.89 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

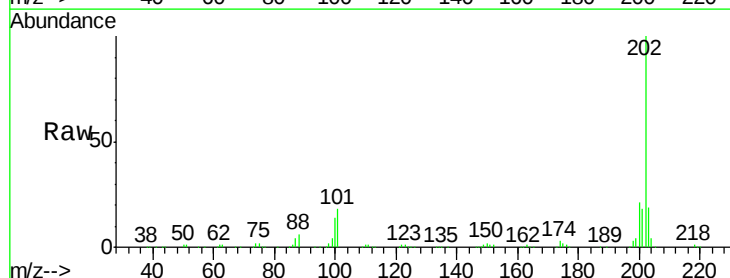
Tgt Ion:202 Resp: 280749

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

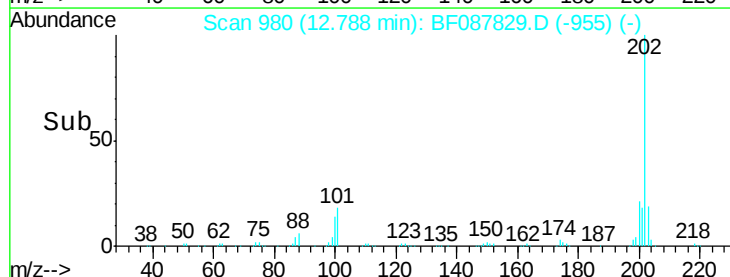
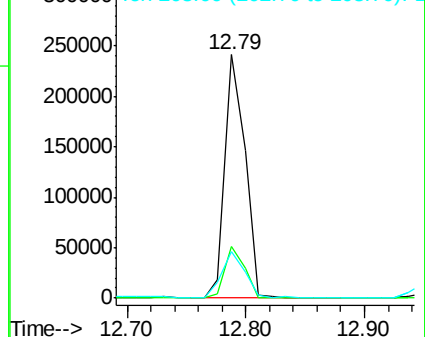
203 19.3 14.5 21.7

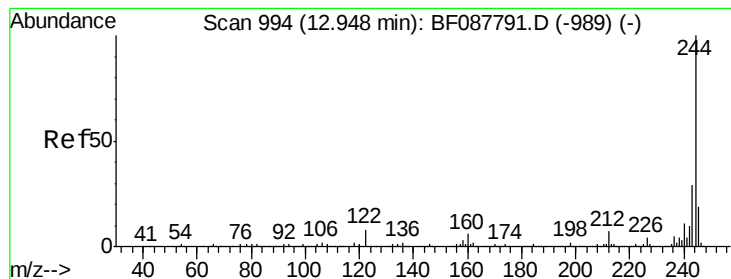


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 29.70 ng

RT: 12.94 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

Instrument :

BNA_F

ClientSampleId :

SS-36

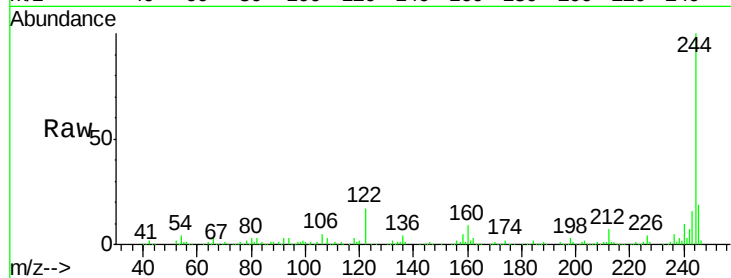
Tgt Ion:244 Resp: 261452

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

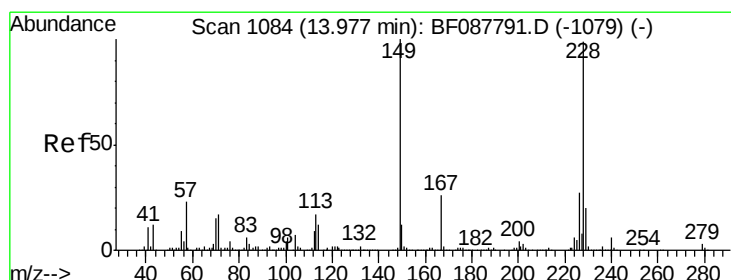
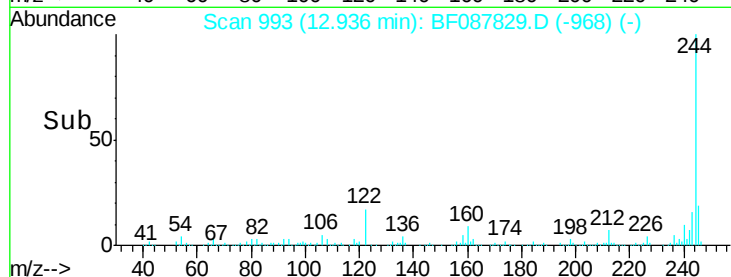
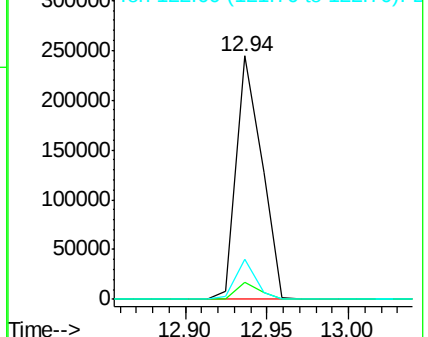
122 16.5 11.2 16.8



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: 14.10 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

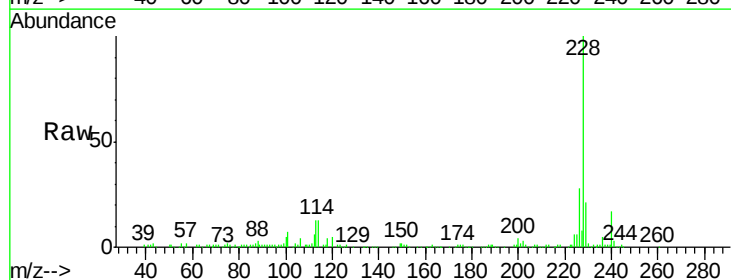
Tgt Ion:228 Resp: 160963

Ion Ratio Lower Upper

228 100

226 28.4 22.3 33.5

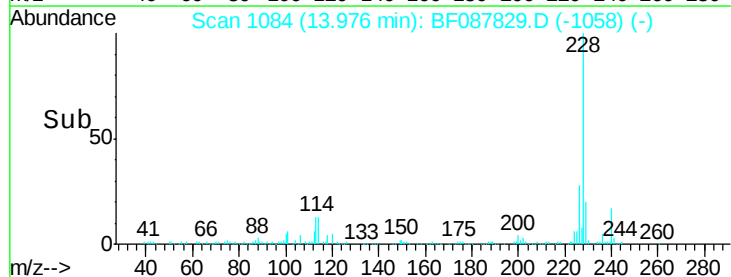
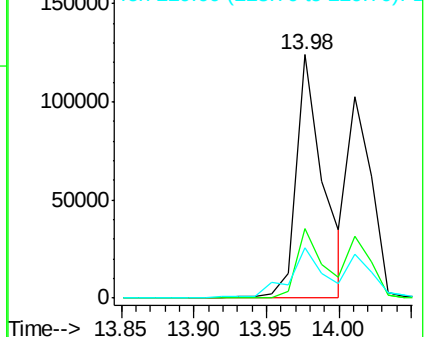
229 20.8 16.0 24.0

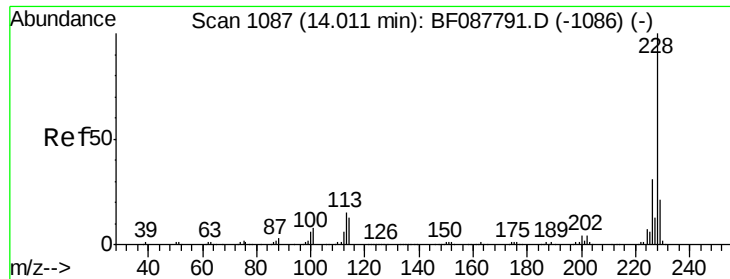


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.76 ng

RT: 14.01 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

Instrument :

BNA_F

ClientSampleId :

SS-36

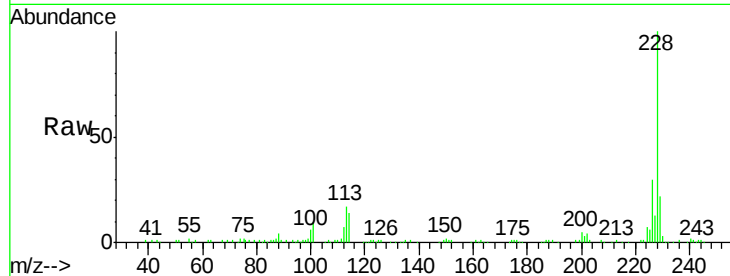
Tgt Ion:228 Resp: 115596

Ion Ratio Lower Upper

228 100

226 30.5 25.4 38.2

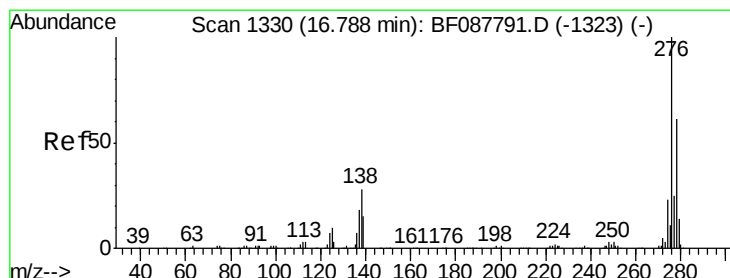
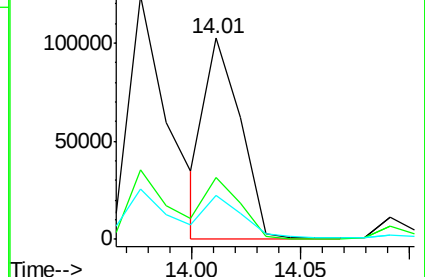
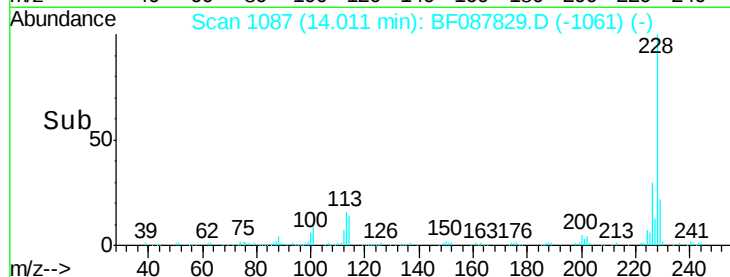
229 22.0 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.00 ng

RT: 16.80 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

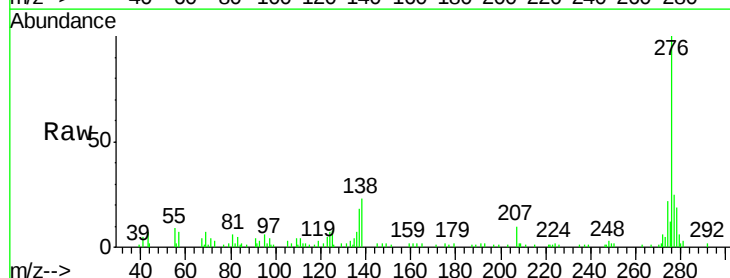
Tgt Ion:276 Resp: 49874

Ion Ratio Lower Upper

276 100

138 27.1 0.0 0.0#

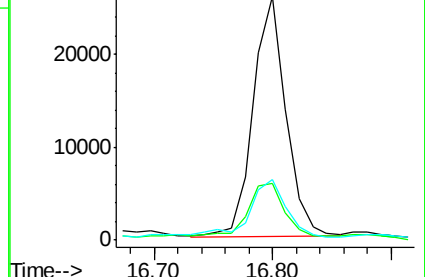
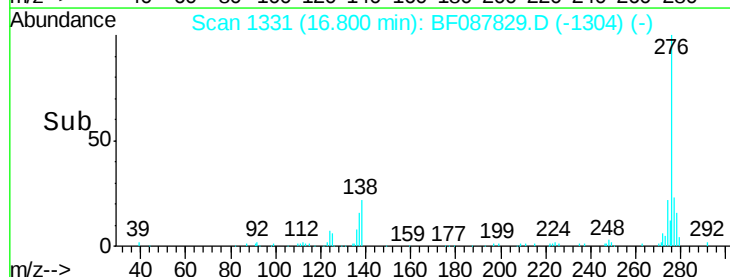
277 28.5 0.0 0.0#

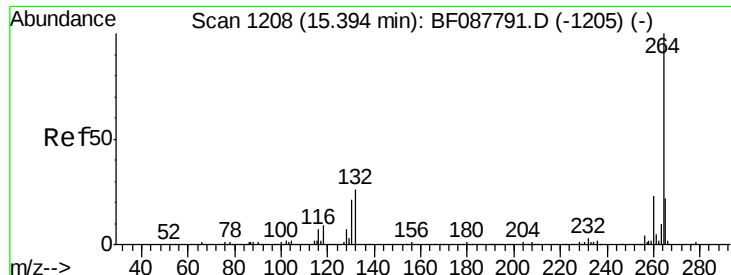


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

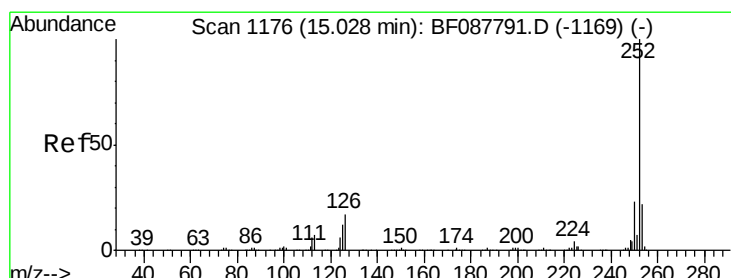
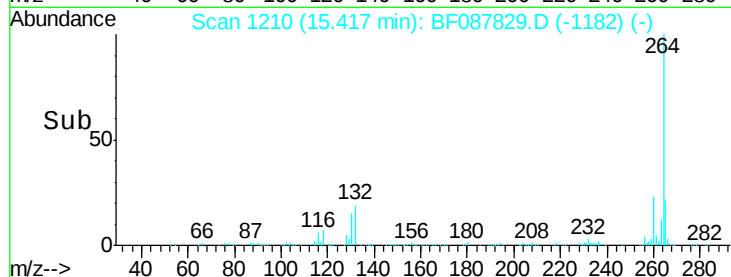
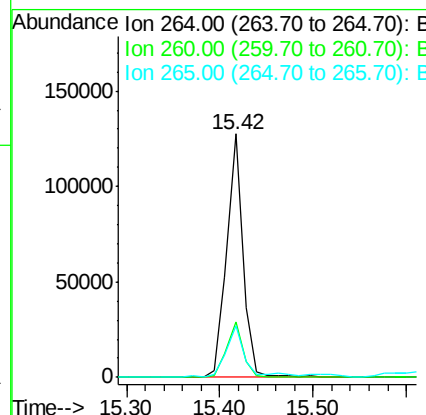
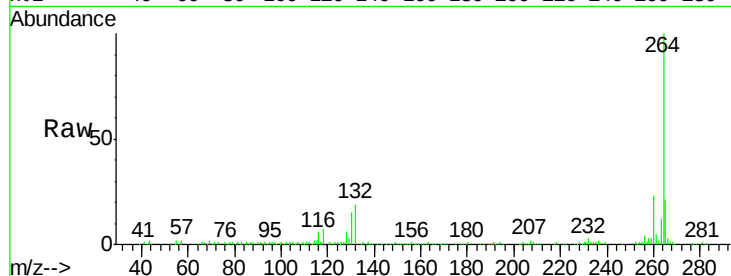




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

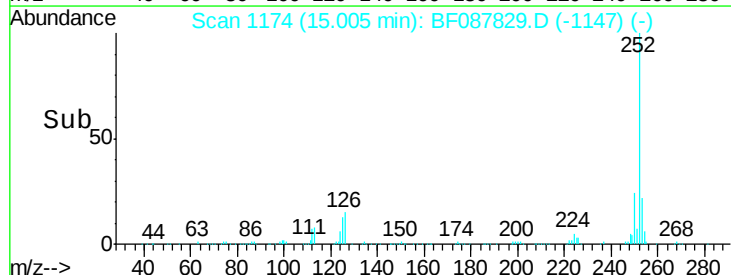
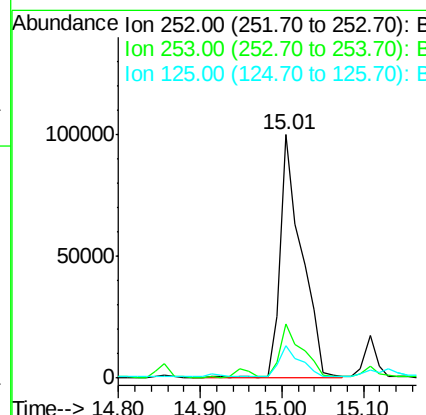
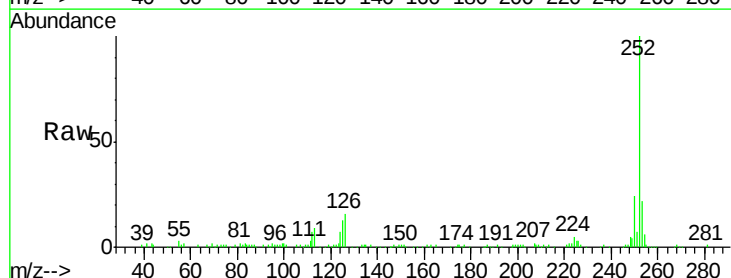
Instrument :
BNA_F
ClientSampleId :
SS-36

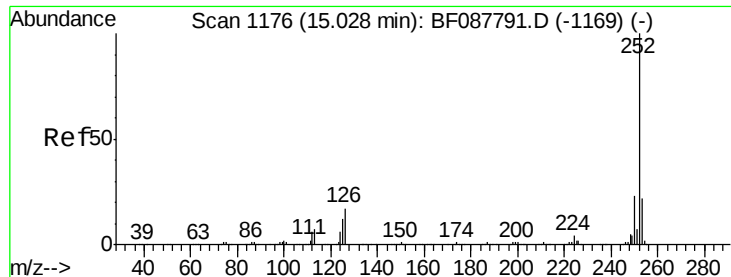
Tgt Ion:264 Resp: 156161
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 21.2 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 17.13 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Tgt Ion:252 Resp: 186477
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 13.3 7.1 10.7#

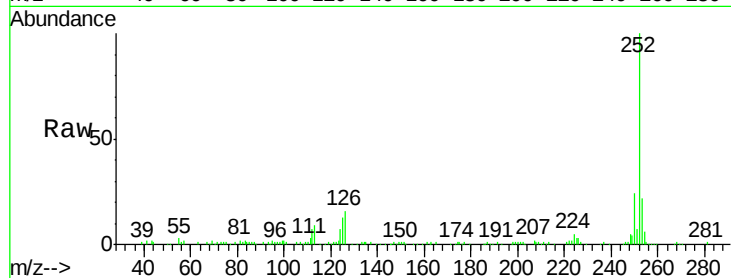




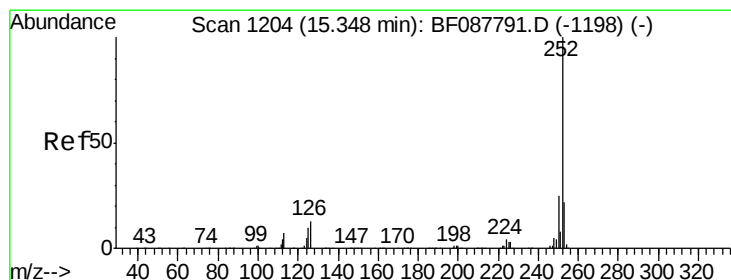
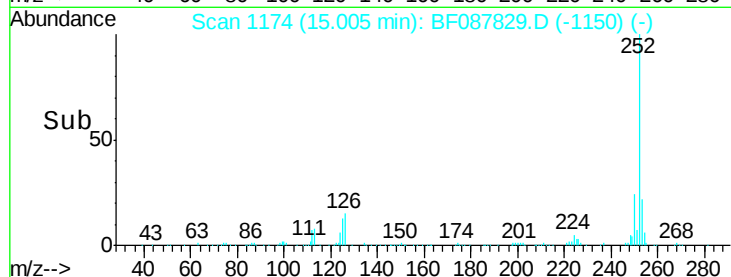
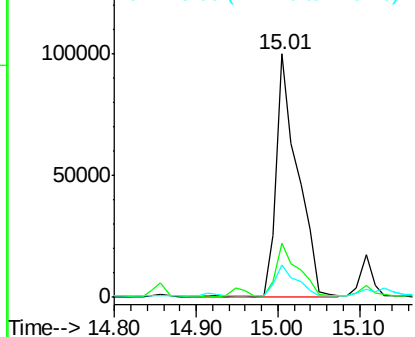
#88
Benzo(k)fluoranthene
Concen: 22.71 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Instrument :
BNA_F
ClientSampleId :
SS-36

Tgt Ion:252 Resp: 186477
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 13.3 11.2 16.8

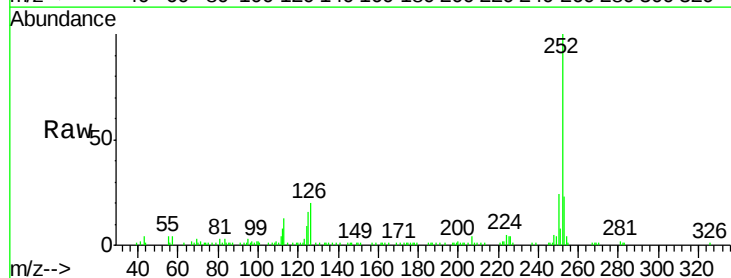


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

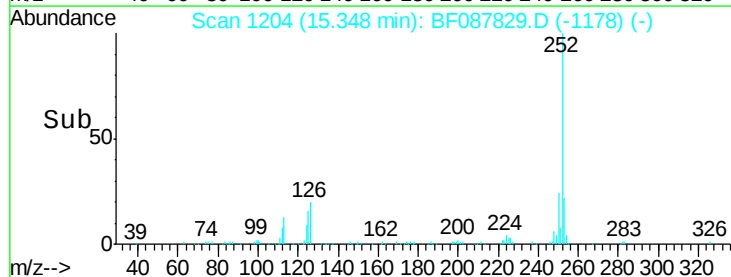
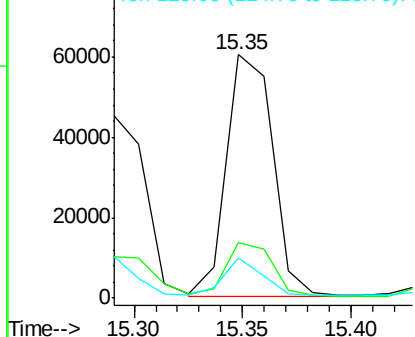


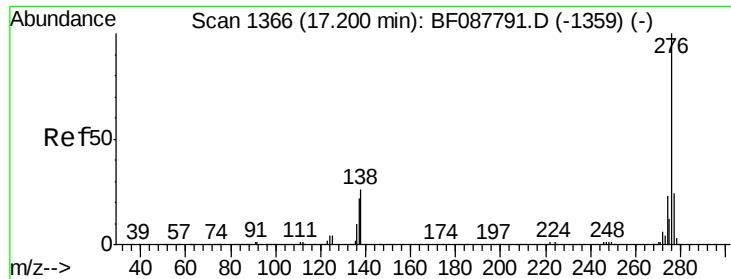
#89
Benzo(a)pyrene
Concen: 10.17 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF087829.D
Acq: 9 Jun 2016 00:44

Tgt Ion:252 Resp: 89537
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 16.4 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: 5.93 ng

RT: 17.21 min Scan# 1367

Delta R.T. 0.01 min

Lab File: BF087829.D

Acq: 9 Jun 2016 00:44

Instrument :

BNA_F

ClientSampleId :

SS-36

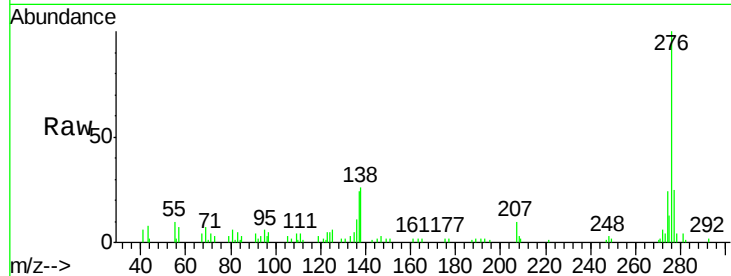
Tgt Ion: 276 Resp: 49920

Ion Ratio Lower Upper

276 100

277 25.0 18.9 28.3

138 25.9 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

