

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
 Data File : BF087826.D
 Acq On : 8 Jun 2016 23:15
 Operator : UM/SJ
 Sample : H3399-05 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-26

Quant Time: Jun 09 02:02:51 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	80922	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	356733	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	145875	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	222416	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	190996	20.00	ng	0.00
86) Perylene-d12	15.42	264	158848	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	233821	49.40	ng	-0.01
7) Phenol-d6	6.46	99	320690	55.90	ng	-0.02
23) Nitrobenzene-d5	7.38	82	153254	25.09	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	51815	33.64	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	310864	29.89	ng	-0.02
78) Terphenyl-d14	12.94	244	213985	25.49	ng	-0.01

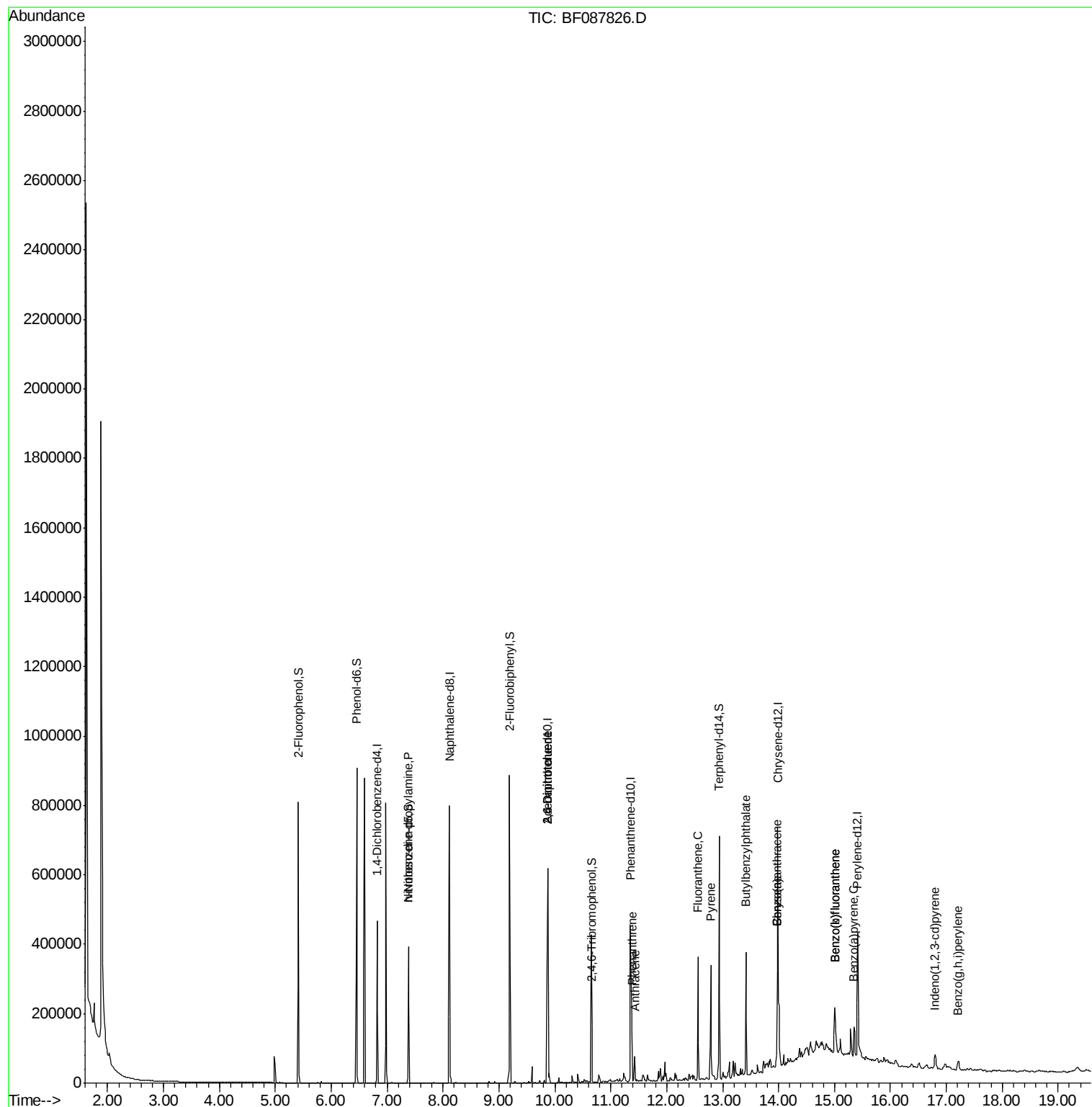
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.47	94	1221	Below Cal		86
19) n-Nitroso-di-n-propylamine	7.38	70	19509	5.32 ng	#	78
45) 1,1'-Biphenyl	9.29	154	1024	Below Cal		79
50) 2,6-Dinitrotoluene	9.87	165	18587	7.68 ng	#	37
56) 2,4-Dinitrotoluene	9.87	165	18587	5.98 ng	#	36
57) Fluorene	10.41	166	8153	Below Cal		100
70) Phenanthrene	11.38	178	100629	8.62 ng		97
71) Anthracene	11.43	178	29310	2.49 ng		97
74) Fluoranthene	12.56	202	141659	11.50 ng		97
77) Pyrene	12.79	202	132546	9.35 ng		97
79) Butylbenzylphthalate	13.42	149	96070	15.33 ng	#	78
80) Benzo(a)anthracene	13.98	228	82839	7.61 ng		99
82) Chrysene	13.98	228	82839	8.09 ng		97
85) Indeno(1,2,3-cd)pyrene	16.80	276	26549	2.79 ng	#	100
87) Benzo(b)fluoranthene	15.01	252	93852	8.48 ng	#	94
88) Benzo(k)fluoranthene	15.01	252	93852	11.24 ng		99
89) Benzo(a)pyrene	15.35	252	47645	5.32 ng		97
91) Benzo(g,h,i)perylene	17.21	276	25648	3.00 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: BF087826.D

Acq: 8 Jun 2016 23:15

Instrument :

BNA_F

ClientSampleId :

SS-26

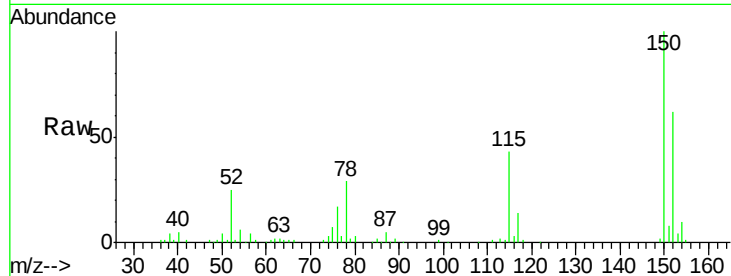
Tgt Ion:152 Resp: 80922

Ion Ratio Lower Upper

152 100

150 161.2 123.8 185.6

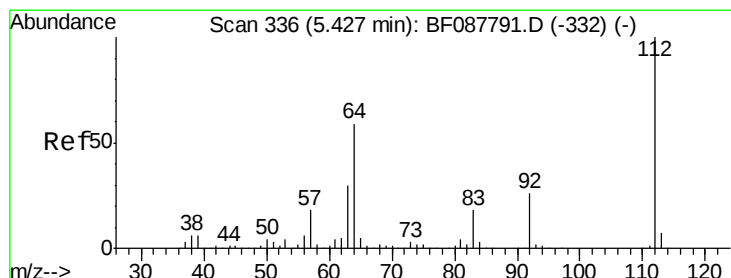
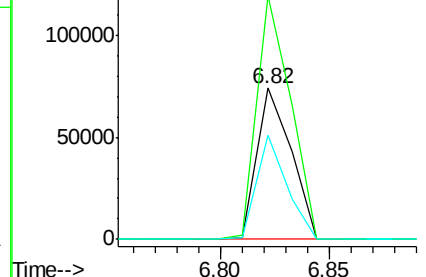
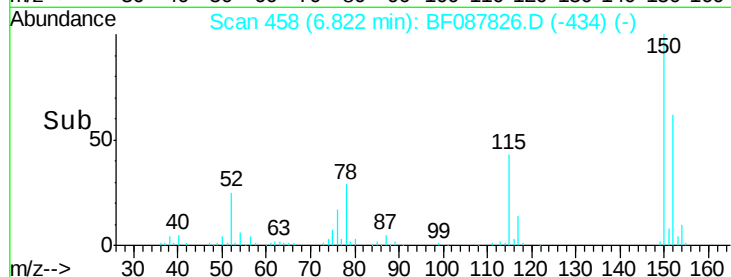
115 69.2 39.6 59.4#



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: 49.40 ng

RT: 5.42 min Scan# 335

Delta R.T. -0.01 min

Lab File: BF087826.D

Acq: 8 Jun 2016 23:15

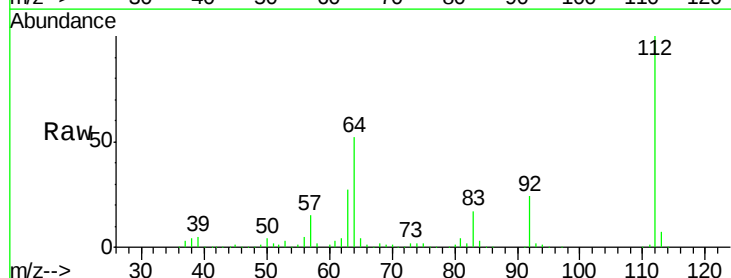
Tgt Ion:112 Resp: 233821

Ion Ratio Lower Upper

112 100

64 52.1 42.2 63.2

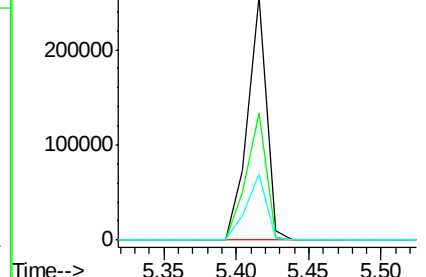
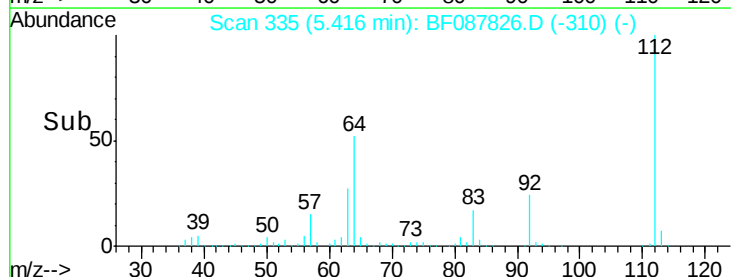
63 27.2 21.8 32.8



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: 55.90 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087826.D

Acq: 8 Jun 2016 23:15

Instrument :

BNA_F

ClientSampleId :

SS-26

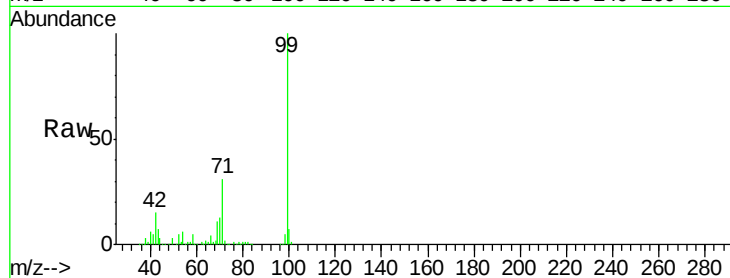
Tgt Ion: 99 Resp: 320690

Ion Ratio Lower Upper

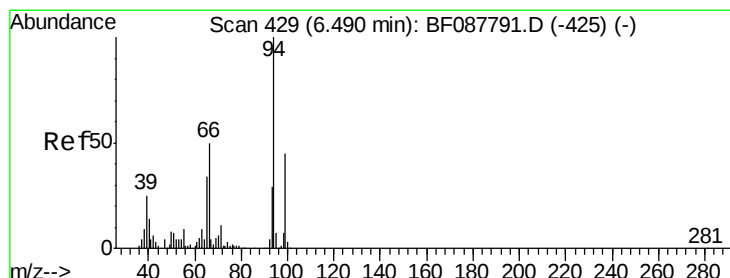
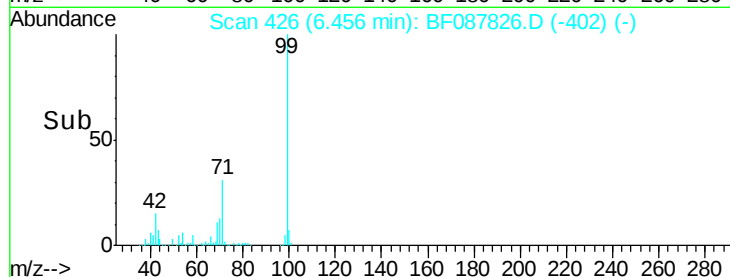
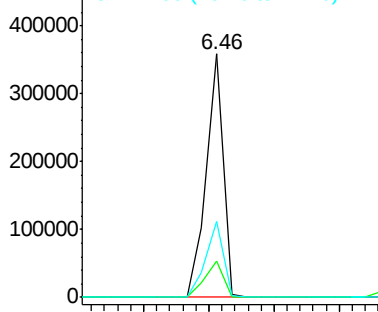
99 100

42 14.8 12.2 18.2

71 31.4 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: BF087826.D

Acq: 8 Jun 2016 23:15

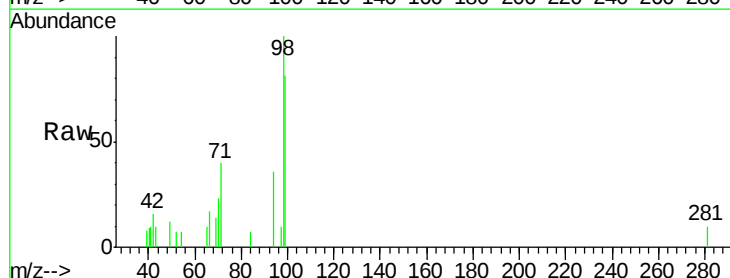
Tgt Ion: 94 Resp: 1221

Ion Ratio Lower Upper

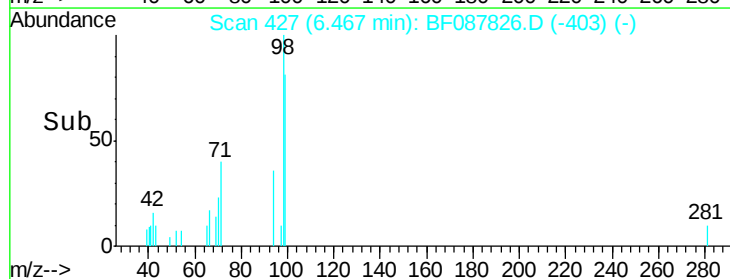
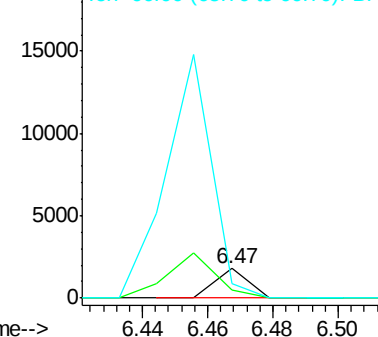
94 100

65 26.5 5.9 45.9

66 47.3 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

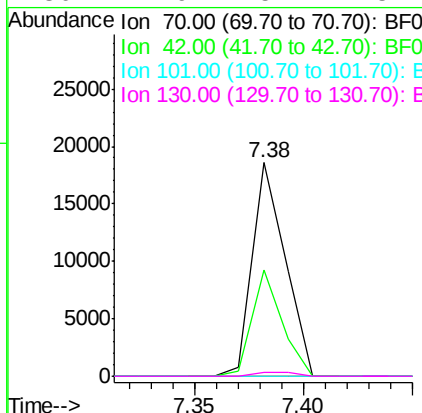
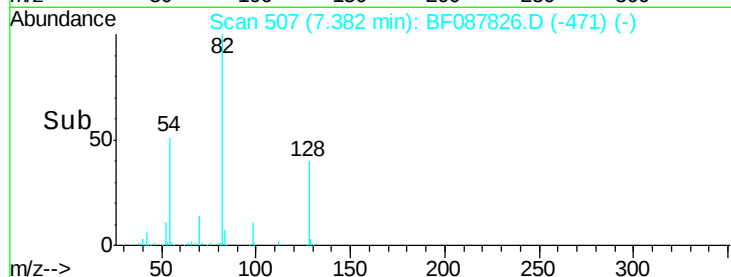
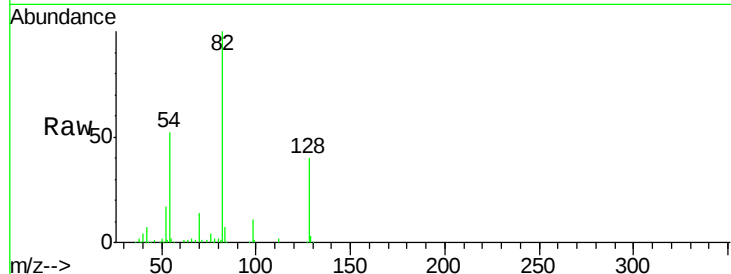




#19
n-Nitroso-di-n-propylamine
Concen: 5.32 ng
RT: 7.38 min Scan# 507
Delta R.T. 0.11 min
Lab File: BF087826.D
Acq: 8 Jun 2016 23:15

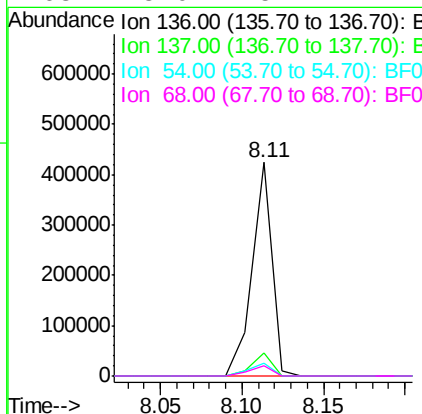
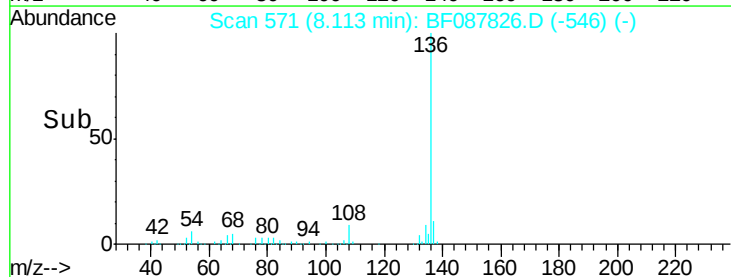
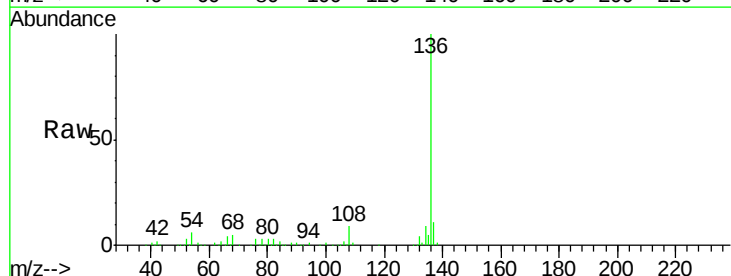
Instrument :
BNA_F
ClientSampled :
SS-26

Tgt Ion: 70 Resp: 19509
Ion Ratio Lower Upper
70 100
42 49.5 49.6 74.4#
101 0.0 7.1 10.7#
130 1.9 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: BF087826.D
Acq: 8 Jun 2016 23:15

Tgt Ion: 136 Resp: 356733
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 6.0 6.6 10.0#
68 5.0 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 25.09 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087826.D

Acq: 8 Jun 2016 23:15

Instrument :

BNA_F

ClientSampled :

SS-26

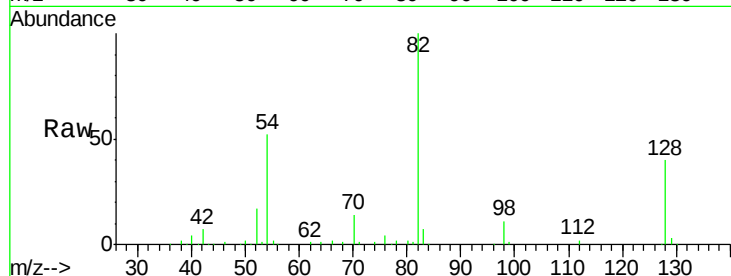
Tgt Ion: 82 Resp: 153254

Ion Ratio Lower Upper

82 100

128 40.4 35.9 53.9

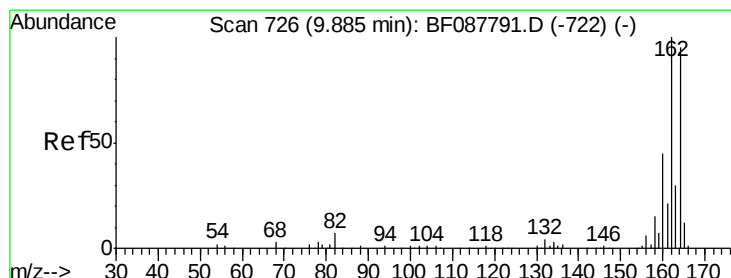
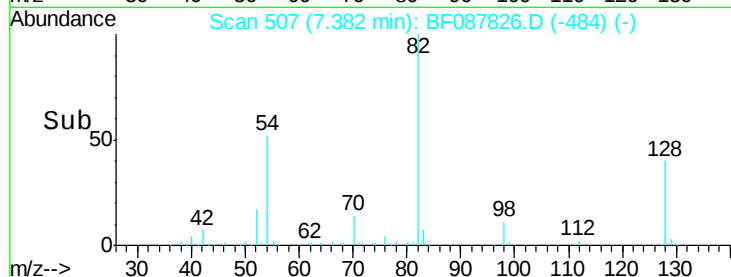
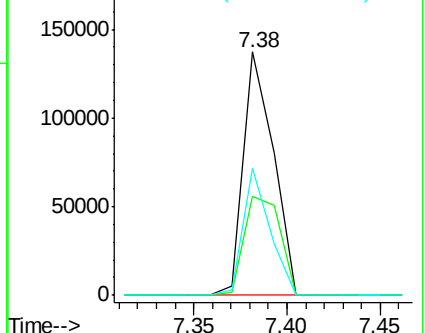
54 52.1 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

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: BF087826.D

Acq: 8 Jun 2016 23:15

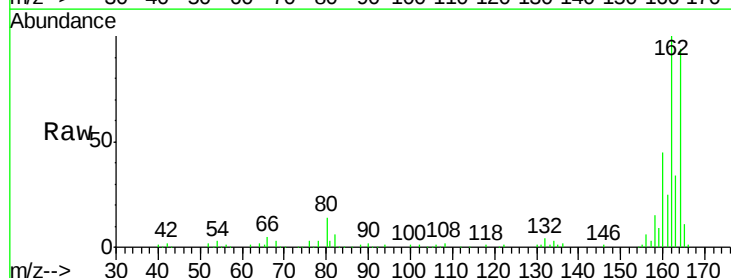
Tgt Ion: 164 Resp: 145875

Ion Ratio Lower Upper

164 100

162 106.3 85.4 128.2

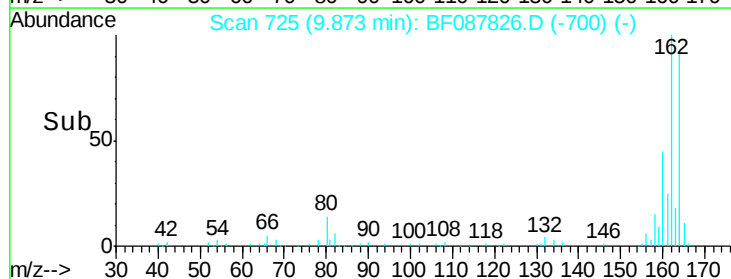
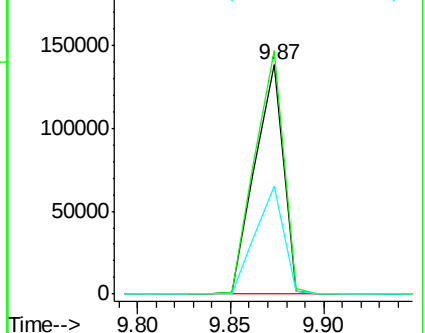
160 47.3 39.5 59.3



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

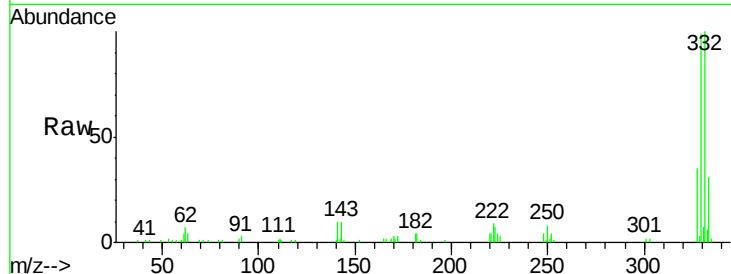




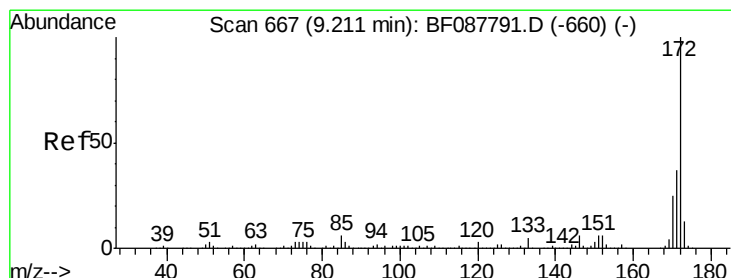
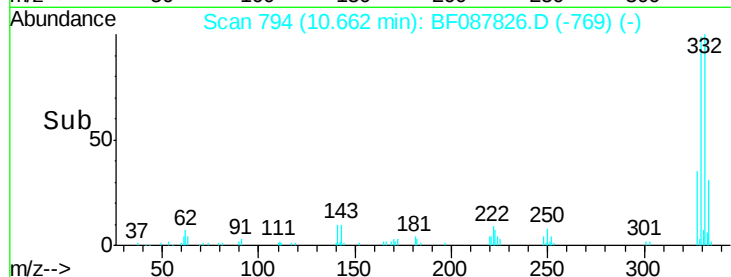
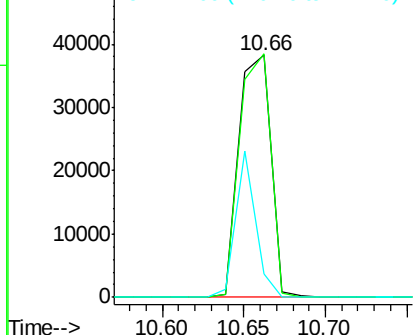
#41
 2,4,6-Tribromophenol
 Concen: 33.64 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Instrument :
 BNA_F
 ClientSampleId :
 SS-26

Tgt Ion:330 Resp: 51815
 Ion Ratio Lower Upper
 330 100
 332 98.2 0.0 0.0#
 141 37.1 0.0 0.0#

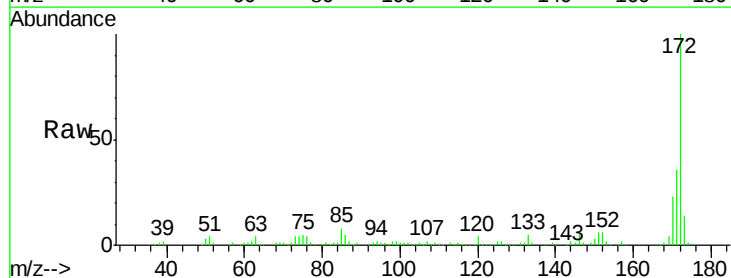


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

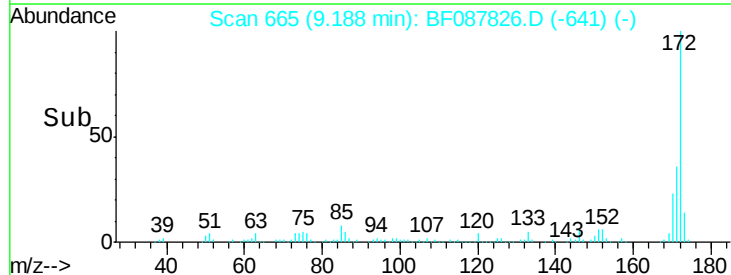
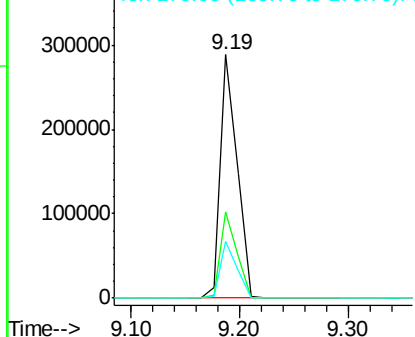


#44
 2-Fluorobiphenyl
 Concen: 29.89 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Tgt Ion:172 Resp: 310864
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 43.0
 170 23.5 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: BF087826.D

Acq: 8 Jun 2016 23:15

Instrument :

BNA_F

ClientSampleId :

SS-26

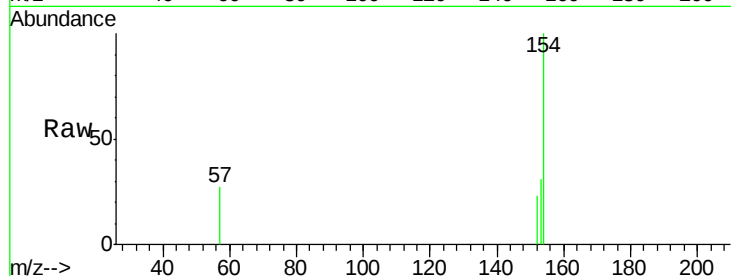
Tgt Ion:154 Resp: 1024

Ion Ratio Lower Upper

154 100

153 31.3 20.6 60.6

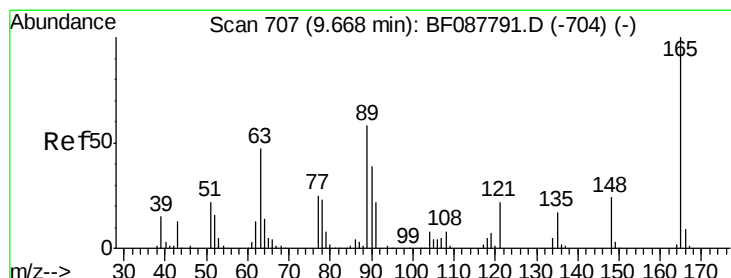
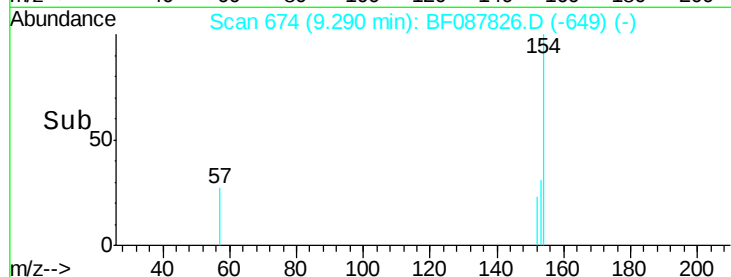
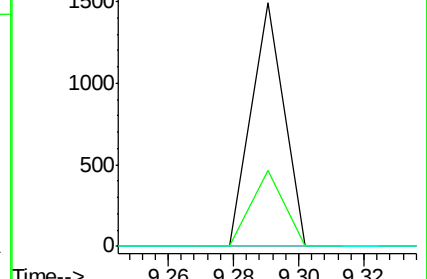
76 0.0 0.0 35.1



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



#50

2,6-Dinitrotoluene

Concen: 7.68 ng

RT: 9.87 min Scan# 725

Delta R.T. 0.21 min

Lab File: BF087826.D

Acq: 8 Jun 2016 23:15

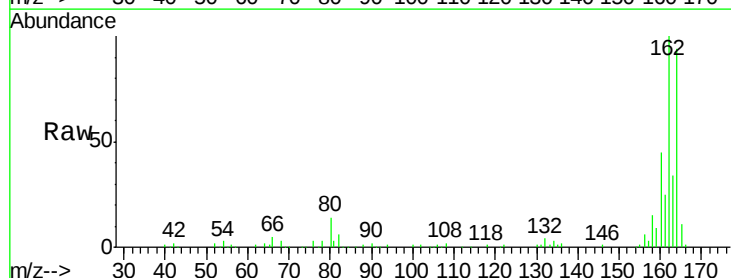
Tgt Ion:165 Resp: 18587

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

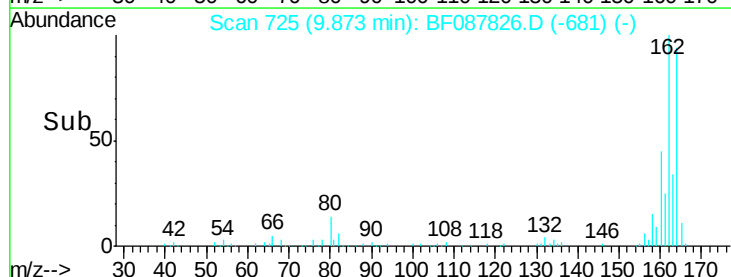
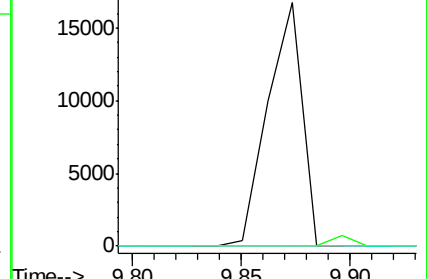
89 0.0 32.2 48.2#

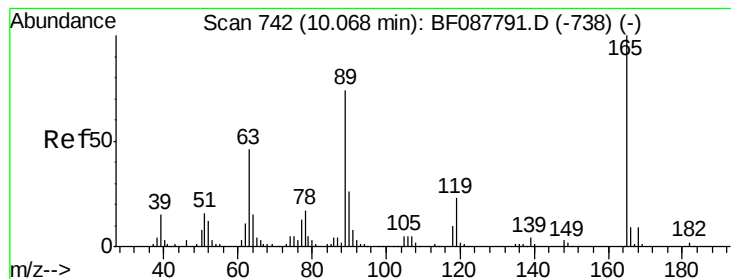


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 5.98 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.19 min

Lab File: BF087826.D

Acq: 8 Jun 2016 23:15

Instrument :

BNA_F

ClientSampleId :

SS-26

Tgt Ion:165 Resp: 18587

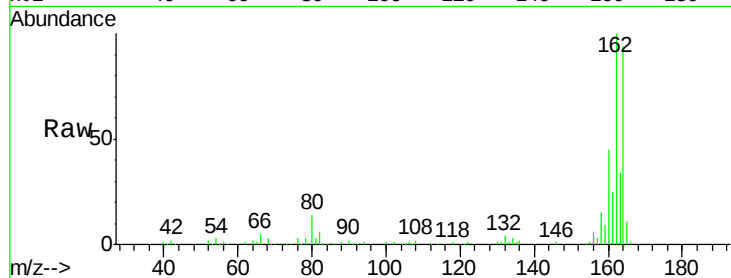
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

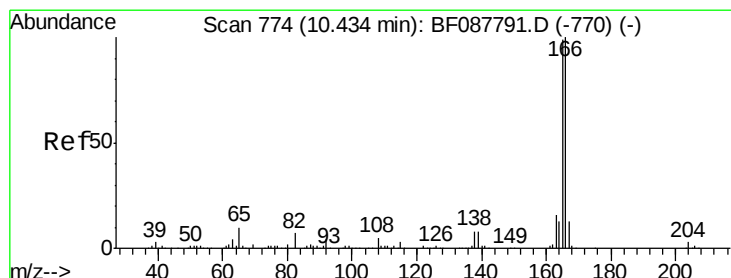
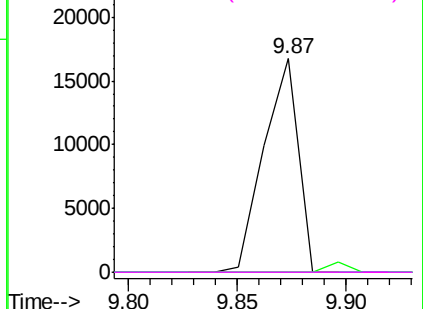
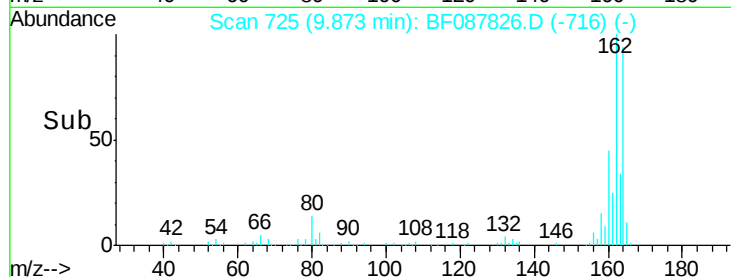


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF087826.D

Acq: 8 Jun 2016 23:15

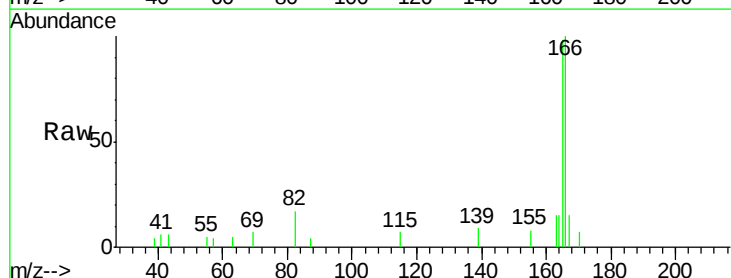
Tgt Ion:166 Resp: 8153

Ion Ratio Lower Upper

166 100

165 97.5 77.8 116.8

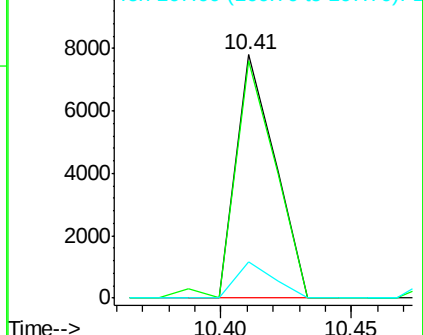
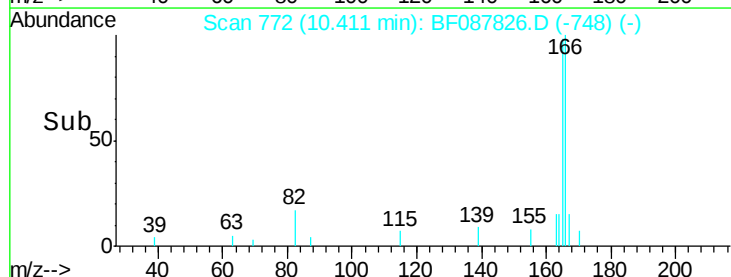
167 14.8 11.2 16.8

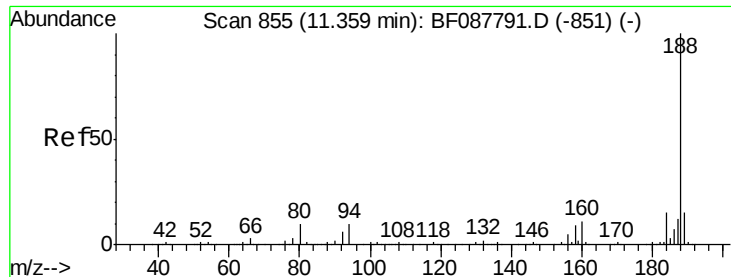


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

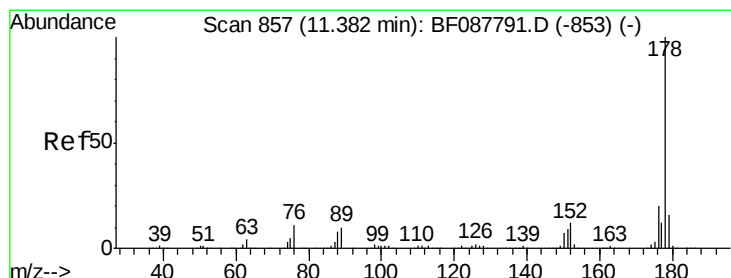
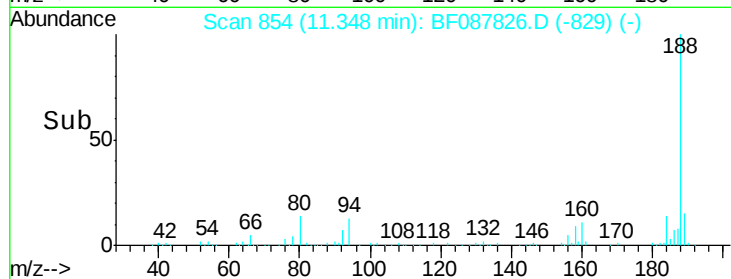
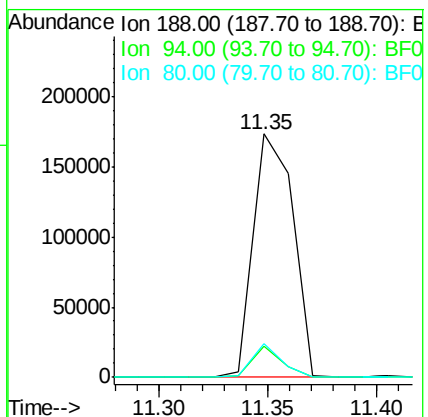
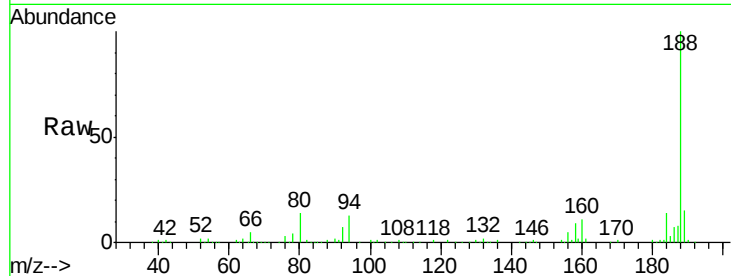




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF087826.D
Acq: 8 Jun 2016 23:15

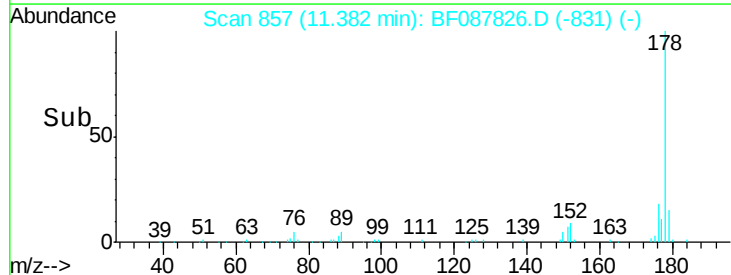
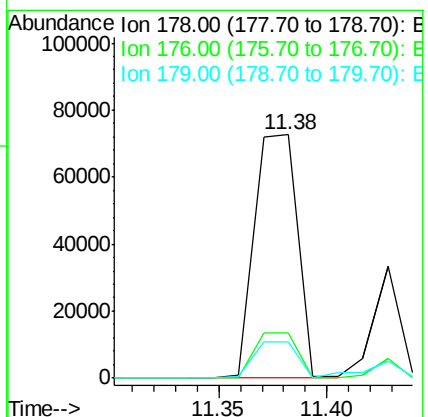
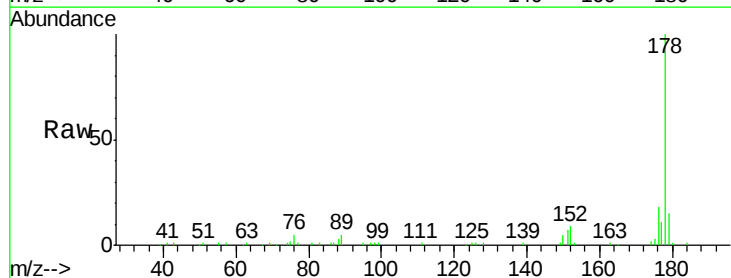
Instrument :
BNA_F
ClientSampled :
SS-26

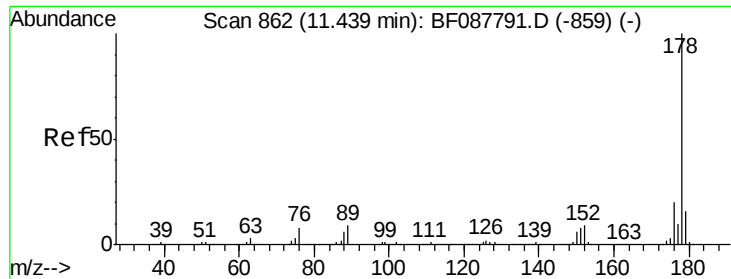
Tgt Ion:188 Resp: 222416
Ion Ratio Lower Upper
188 100
94 13.0 9.0 13.6
80 13.7 10.0 15.0



#70
Phenanthrene
Concen: 8.62 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF087826.D
Acq: 8 Jun 2016 23:15

Tgt Ion:178 Resp: 100629
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.6
179 14.8 13.0 19.4

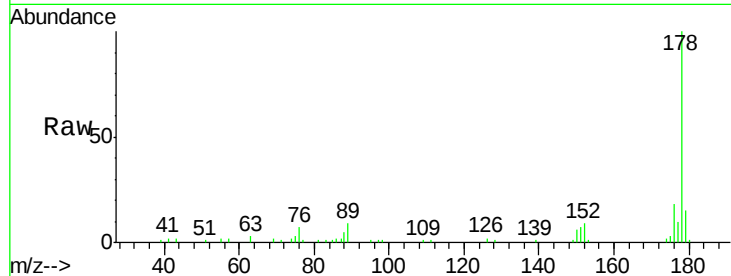




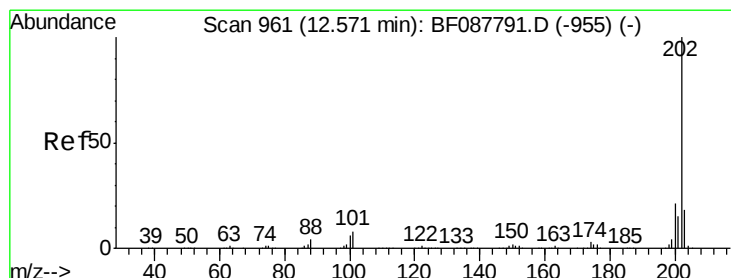
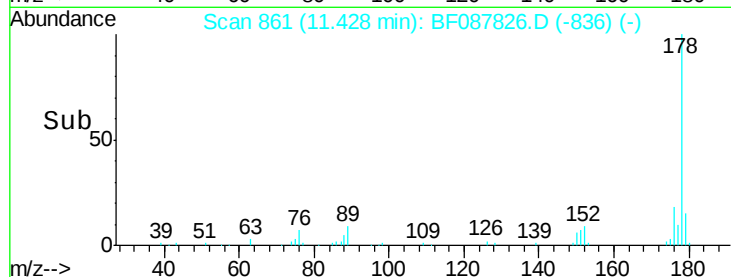
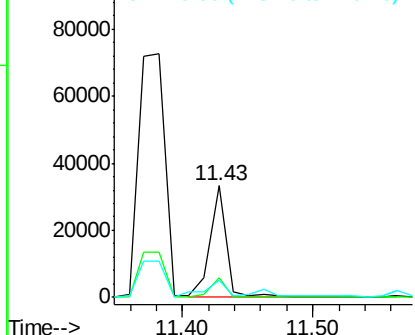
#71
 Anthracene
 Concen: 2.49 ng
 RT: 11.43 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Instrument :
 BNA_F
 ClientSampled :
 SS-26

Tgt Ion:178 Resp: 29310
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.6 23.4
 179 15.2 12.8 19.2

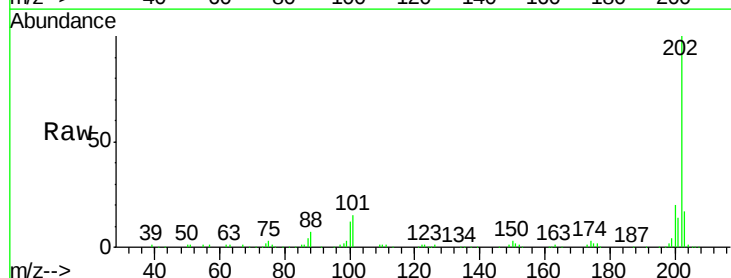


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

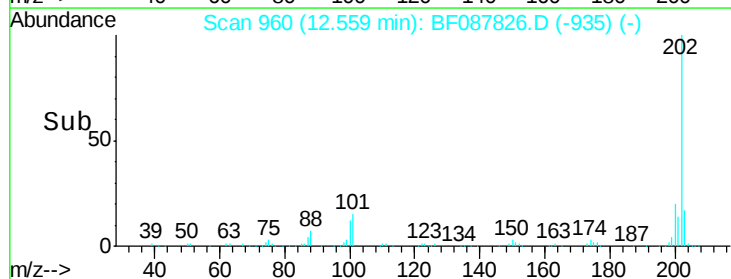
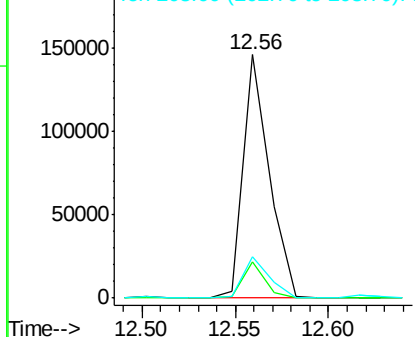


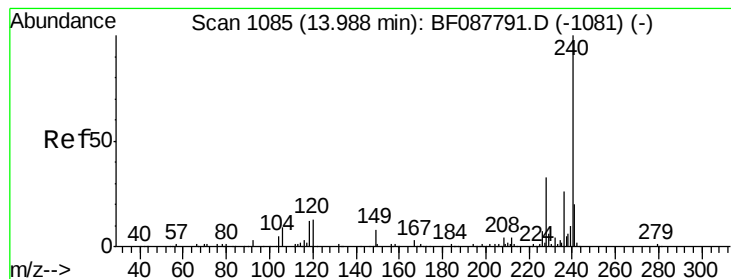
#74
 Fluoranthene
 Concen: 11.50 ng
 RT: 12.56 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Tgt Ion:202 Resp: 141659
 Ion Ratio Lower Upper
 202 100
 101 15.1 0.0 33.1
 203 17.2 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: 13.99 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF087826.D

Acq: 8 Jun 2016 23:15

Instrument :

BNA_F

ClientSampled :

SS-26

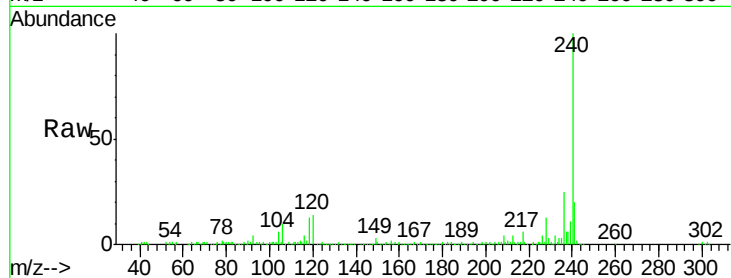
Tgt Ion:240 Resp: 190996

Ion Ratio Lower Upper

240 100

120 14.3 6.8 10.2#

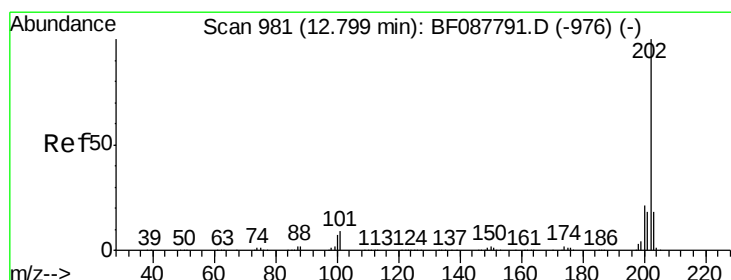
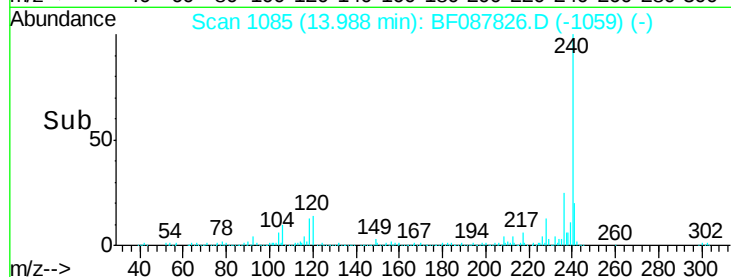
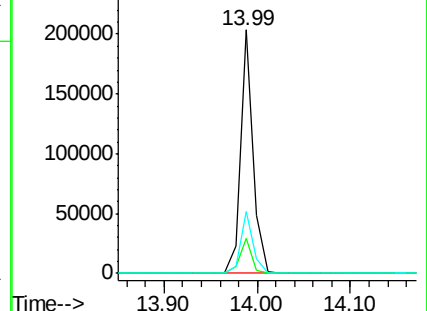
236 25.2 20.2 30.2



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: 9.35 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087826.D

Acq: 8 Jun 2016 23:15

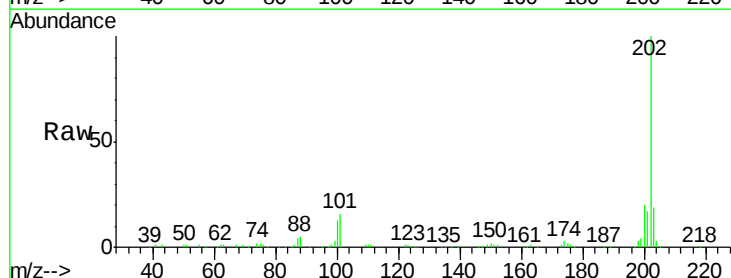
Tgt Ion:202 Resp: 132546

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

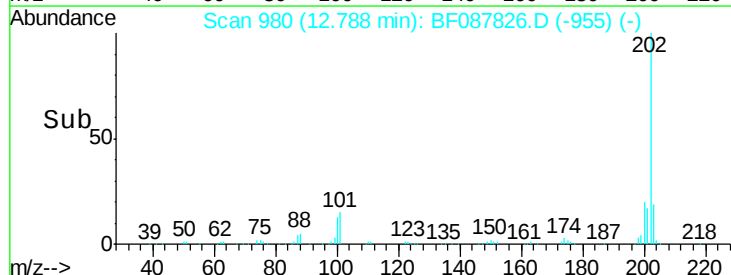
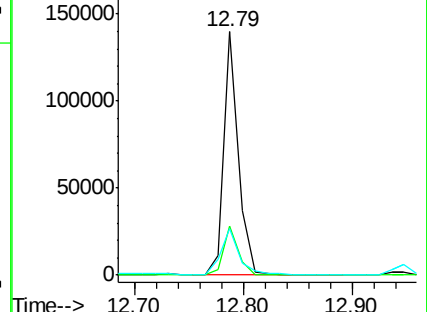
203 19.1 14.5 21.7

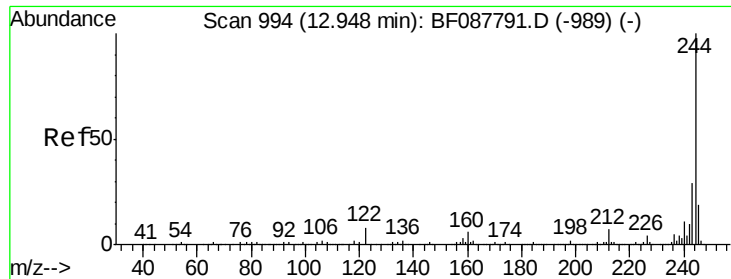


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

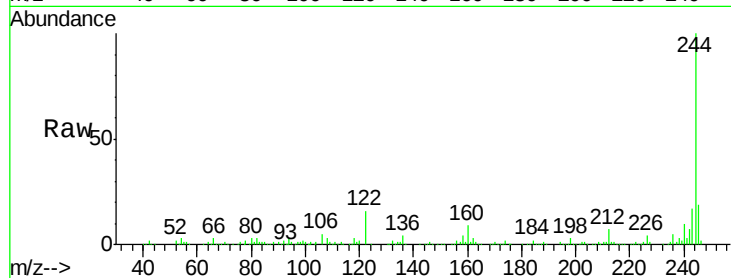




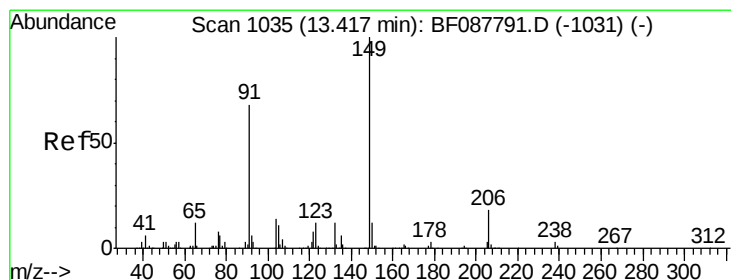
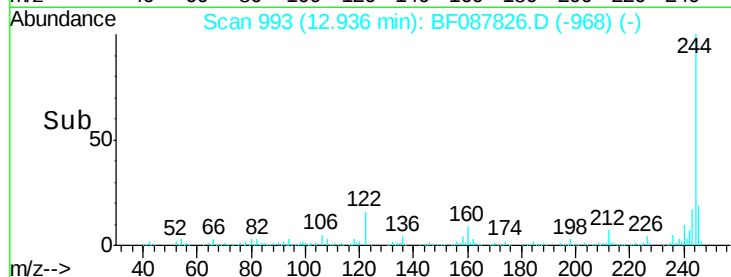
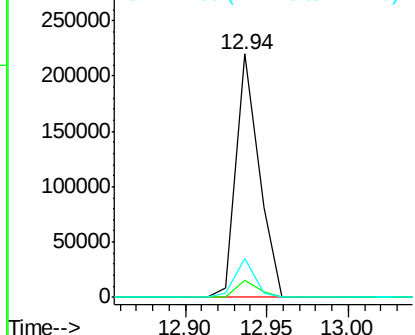
#78
 Terphenyl-d14
 Concen: 25.49 ng
 RT: 12.94 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Instrument :
 BNA_F
 ClientSampleId :
 SS-26

Tgt Ion: 244 Resp: 213985
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 15.8 11.2 16.8

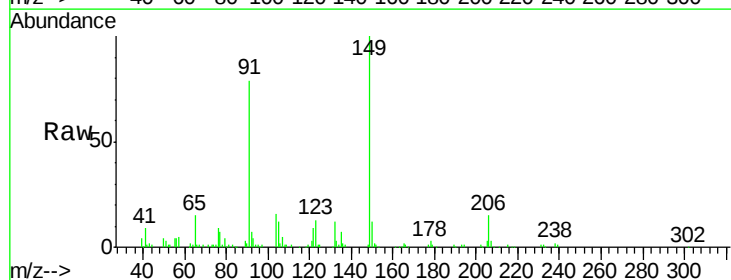


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

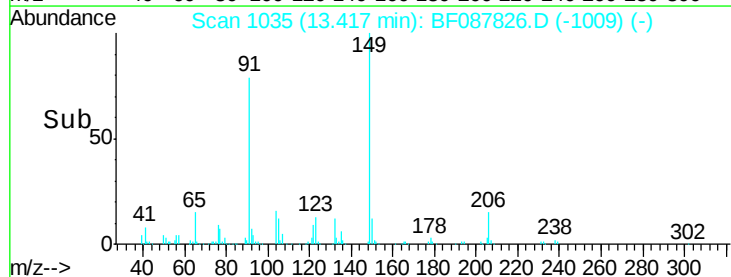
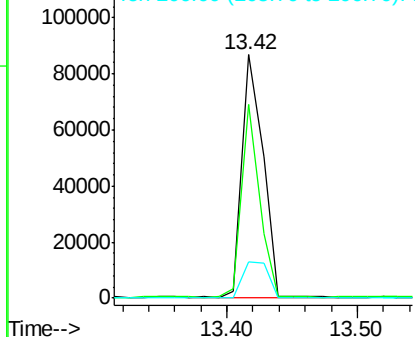


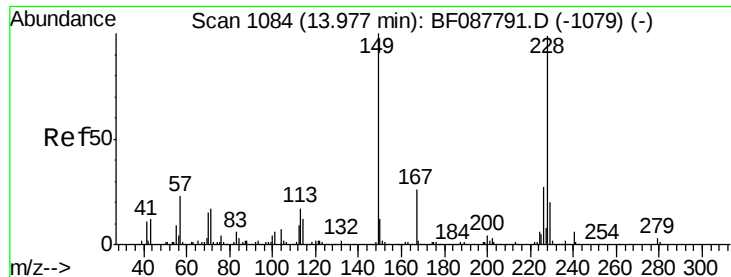
#79
 Butylbenzylphthalate
 Concen: 15.33 ng
 RT: 13.42 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Tgt Ion: 149 Resp: 96070
 Ion Ratio Lower Upper
 149 100
 91 79.4 48.0 72.0#
 206 14.9 16.0 24.0#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF0
 Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 7.61 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF087826.D

Acq: 8 Jun 2016 23:15

Instrument :

BNA_F

ClientSampleId :

SS-26

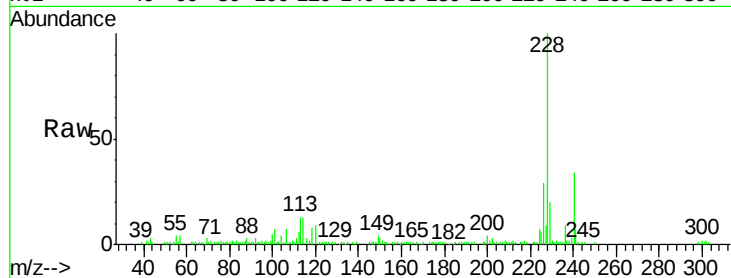
Tgt Ion:228 Resp: 82839

Ion Ratio Lower Upper

228 100

226 28.9 22.3 33.5

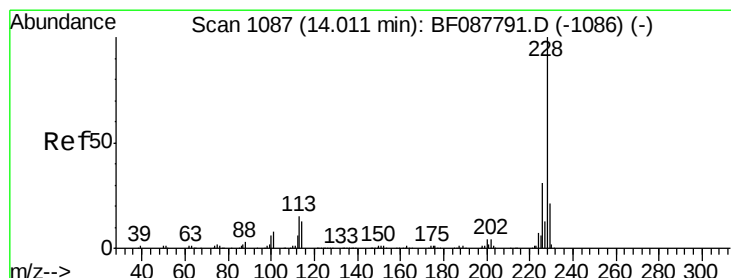
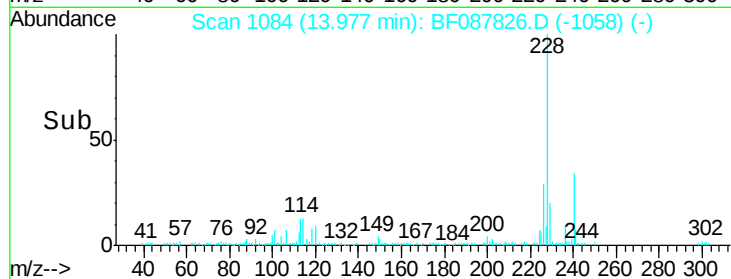
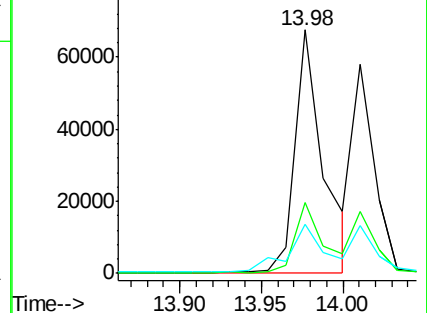
229 20.2 16.0 24.0



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: 8.09 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087826.D

Acq: 8 Jun 2016 23:15

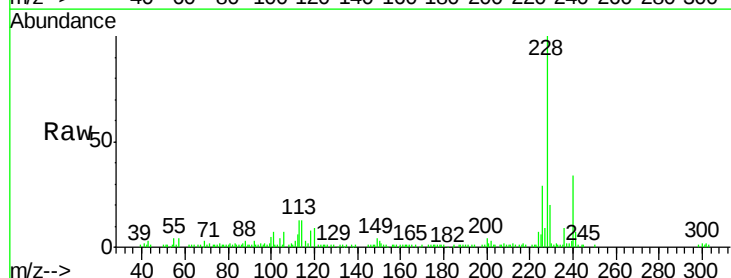
Tgt Ion:228 Resp: 82839

Ion Ratio Lower Upper

228 100

226 28.9 25.4 38.2

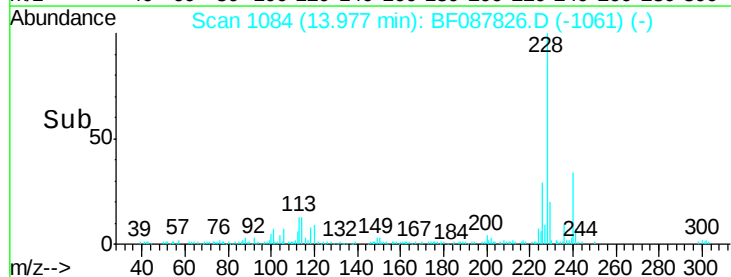
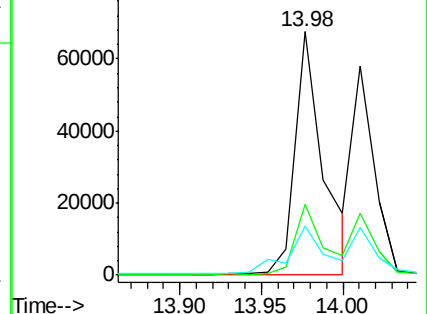
229 20.2 16.3 24.5

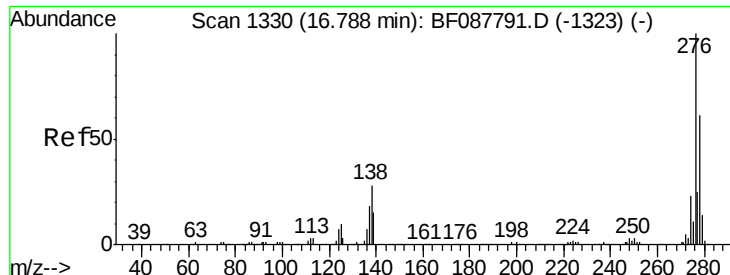


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

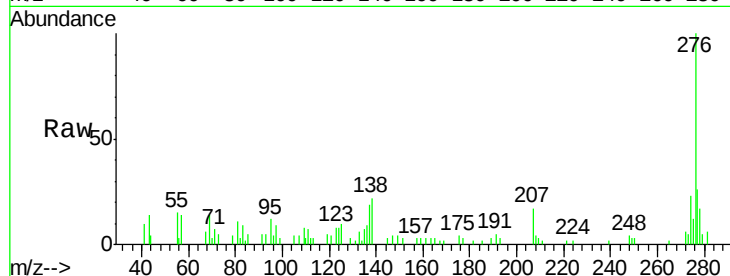




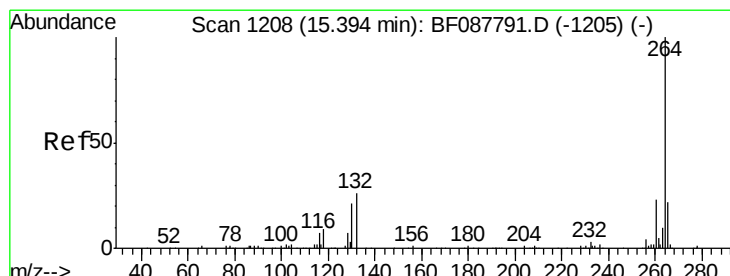
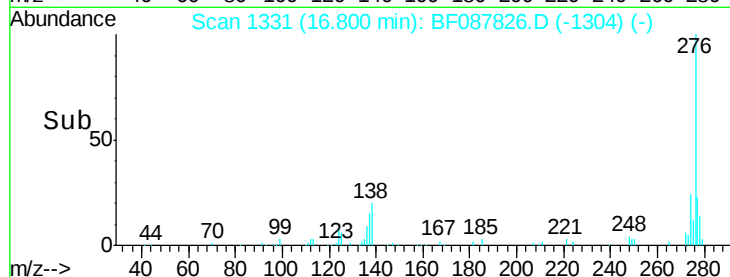
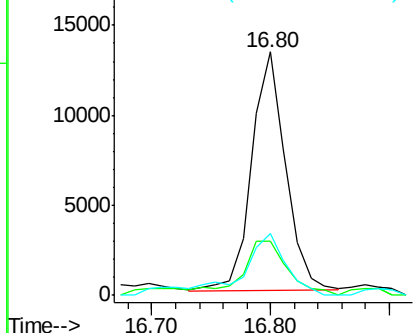
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.79 ng
 RT: 16.80 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Instrument :
 BNA_F
 ClientSampleId :
 SS-26

Tgt Ion: 276 Resp: 26549
 Ion Ratio Lower Upper
 276 100
 138 30.6 0.0 0.0#
 277 35.7 0.0 0.0#

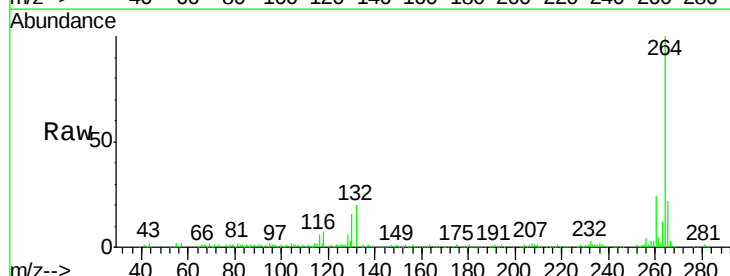


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

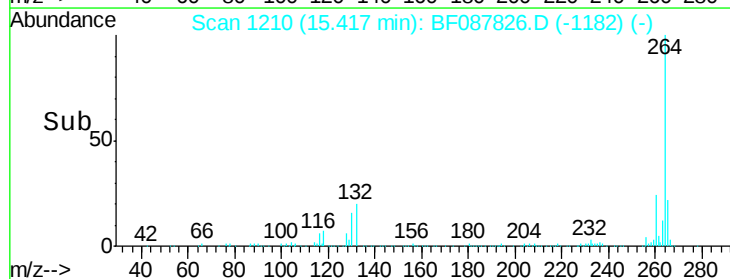
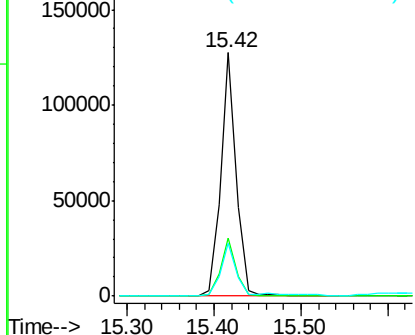


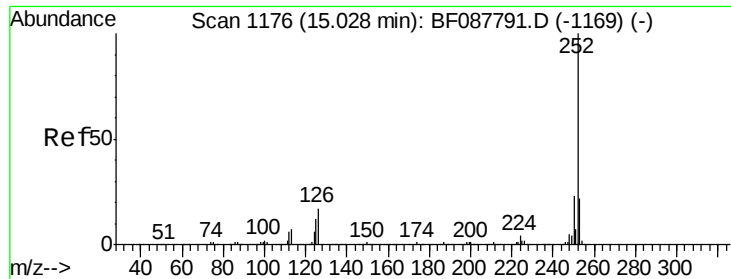
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1210
 Delta R.T. 0.02 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Tgt Ion: 264 Resp: 158848
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 22.0 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

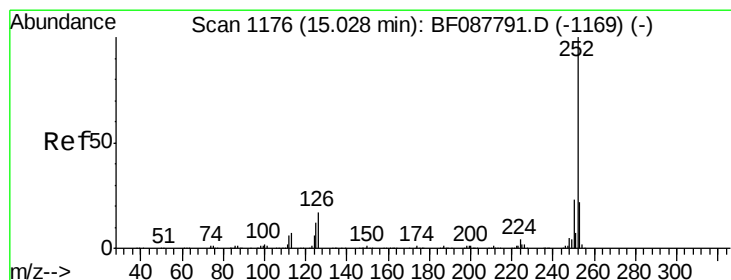
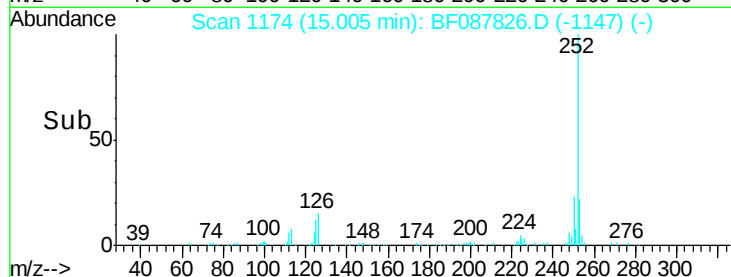
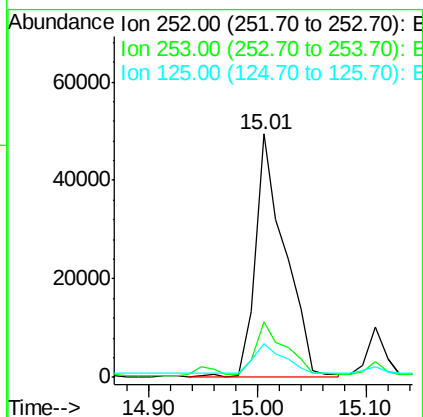
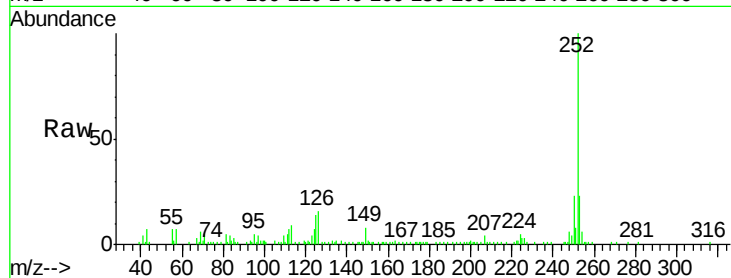




#87
Benzo(b)fluoranthene
Concen: 8.48 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087826.D
Acq: 8 Jun 2016 23:15

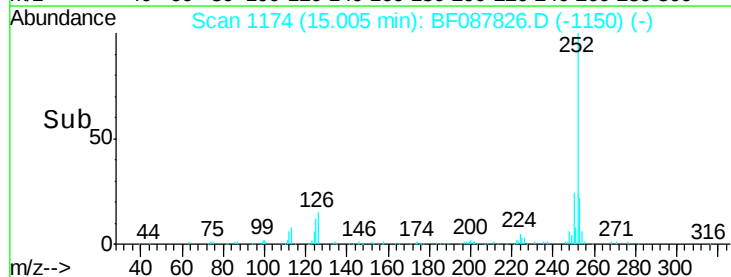
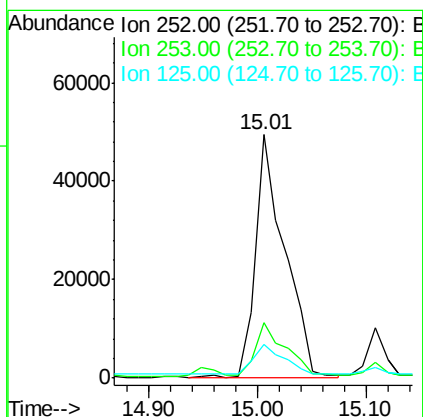
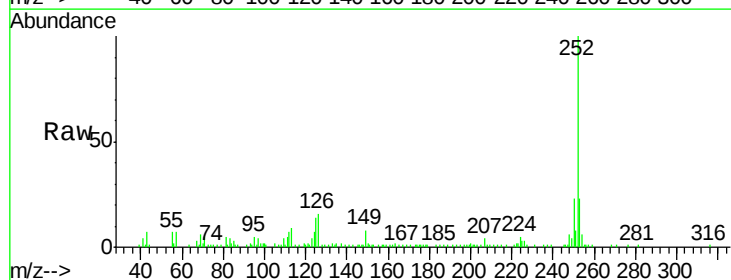
Instrument :
BNA_F
ClientSampleId :
SS-26

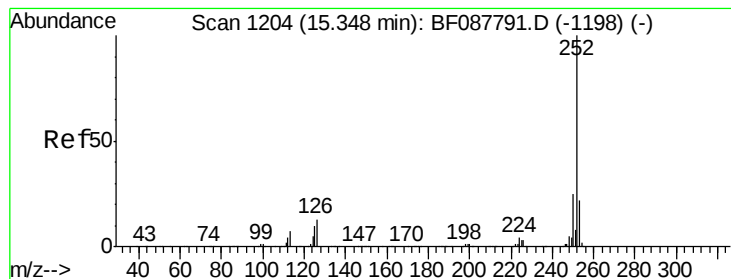
Tgt Ion:252 Resp: 93852
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 13.8 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 11.24 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF087826.D
Acq: 8 Jun 2016 23:15

Tgt Ion:252 Resp: 93852
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 13.8 11.2 16.8





#89

Benzo(a)pyrene

Concen: 5.32 ng

RT: 15.35 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BF087826.D

Acq: 8 Jun 2016 23:15

Instrument :

BNA_F

ClientSampleId :

SS-26

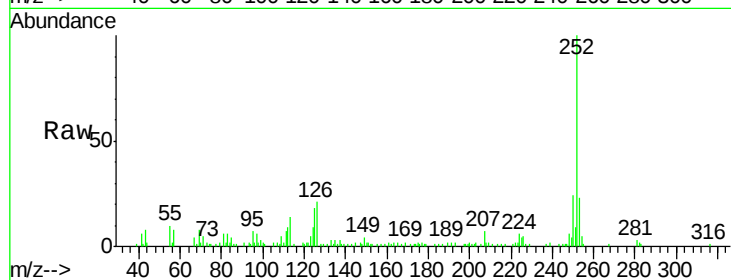
Tgt Ion: 252 Resp: 47645

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

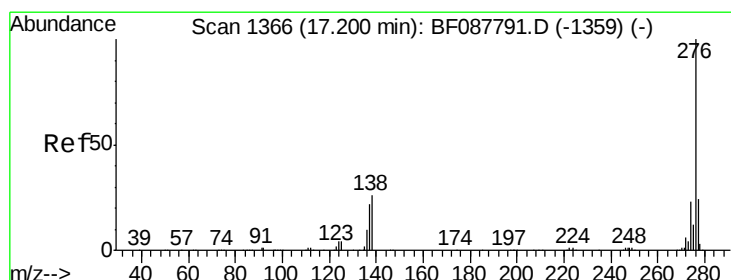
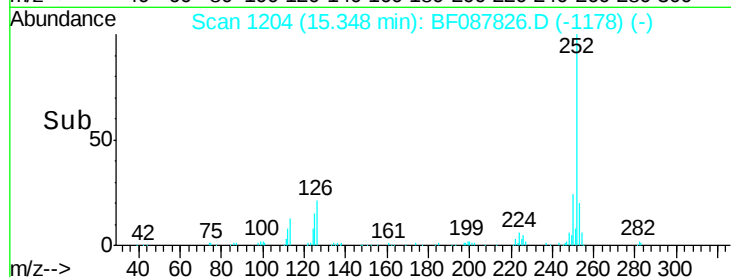
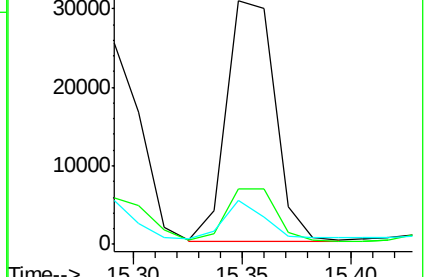
125 17.9 12.5 18.7



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: 3.00 ng

RT: 17.21 min Scan# 1367

Delta R.T. 0.01 min

Lab File: BF087826.D

Acq: 8 Jun 2016 23:15

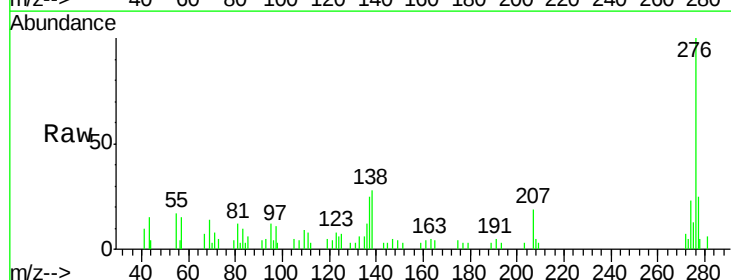
Tgt Ion: 276 Resp: 25648

Ion Ratio Lower Upper

276 100

277 25.0 18.9 28.3

138 28.4 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

