

Data File : BF093165.D
Acq On : 25 Feb 2017 00:54
Operator : SJ/MA
Sample : I1957-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SRI-SB-5(16-18)20170222

Quant Time: Feb 25 01:33:54 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	156851	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	589681	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	291892	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	519144	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	422474	20.00	ng	-0.02
86) Perylene-d12	15.43	264	297331	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1434954	156.95	ng	-0.01
7) Phenol-d6	6.48	99	1585397	134.77	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1017570	96.10	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	324294	153.61	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1664751	103.33	ng	-0.01
78) Terphenyl-d14	12.95	244	1351972	75.19	ng	-0.02

Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.10	42	22924	3.89	ng	# 1
10) Phenol	6.49	94	61078	4.44	ng	# 79
15) Benzyl Alcohol	6.99	79	23888	2.74	ng	# 41
19) n-Nitroso-di-n-propylamine	7.25	70	15820	2.11	ng	# 73
22) Acetophenone	7.23	105	33916	2.52	ng	# 60
32) Benzoic acid	7.92	122	3998	7.83	ng	# 31
35) Caprolactam	8.54	113	17140	6.44	ng	# 1
49) Dimethylphthalate	9.60	163	441118	22.44	ng	99
64) 4,6-Dinitro-2-methylphenol	10.67	198	1134	3.01	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	24003	4.43	ng	# 1
74) Fluoranthene	12.57	202	91662	2.99	ng	92
77) Pyrene	12.80	202	82000	2.59	ng	99
87) Benzo(b)fluoranthene	15.03	252	49621	2.54	ng	97
88) Benzo(k)fluoranthene	15.03	252	49621	2.94	ng	# 97

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

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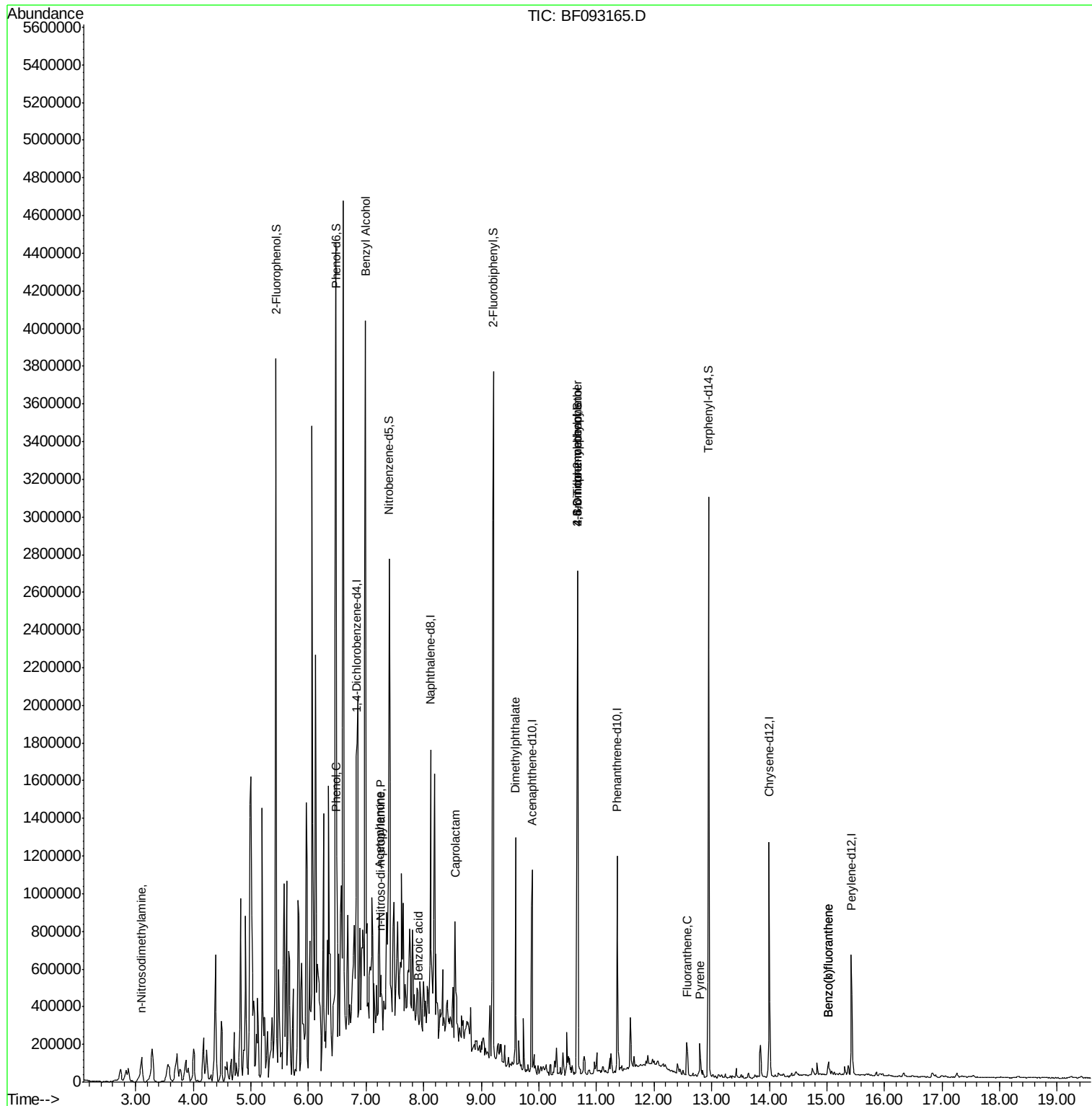
Quant Time: Feb 25 01:33:54 2017

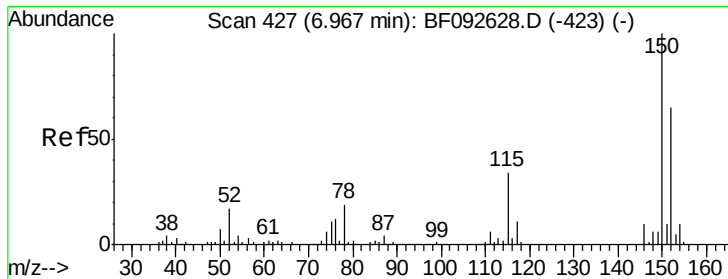
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 17 17:31:55 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

Instrument :

BNA_F

ClientSampleId :

SRI-SB-5(16-18)20170222

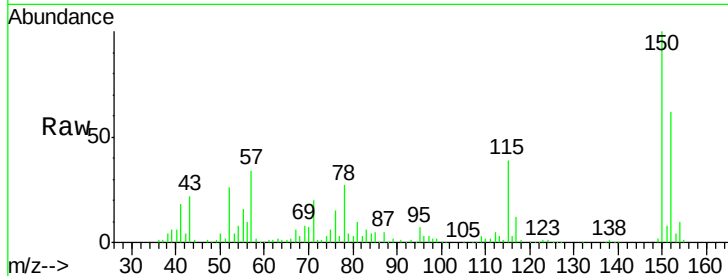
Tgt Ion:152 Resp: 156851

Ion Ratio Lower Upper

152 100

150 160.7 124.9 187.3

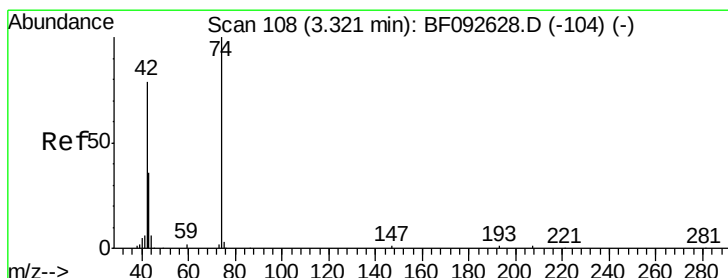
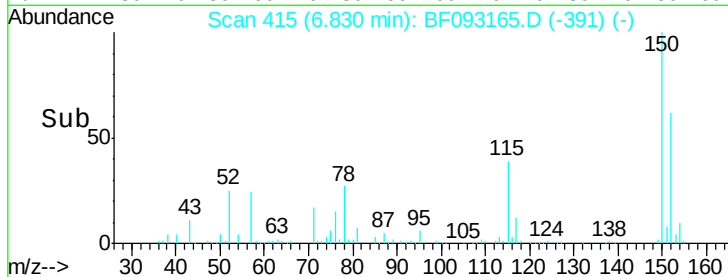
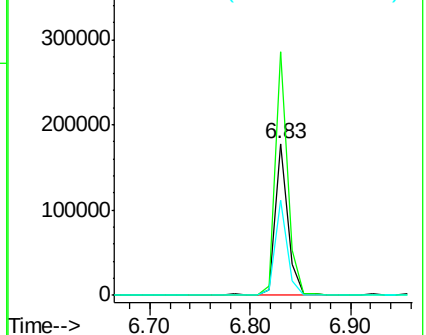
115 62.6 46.0 69.0



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



#4

n-Nitrosodimethylamine

Concen: 3.89 ng

RT: 3.10 min Scan# 89

Delta R.T. -0.00 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

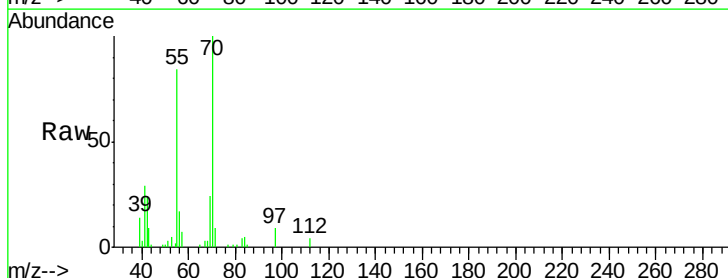
Tgt Ion: 42 Resp: 22924

Ion Ratio Lower Upper

42 100

74 0.0 117.0 175.4#

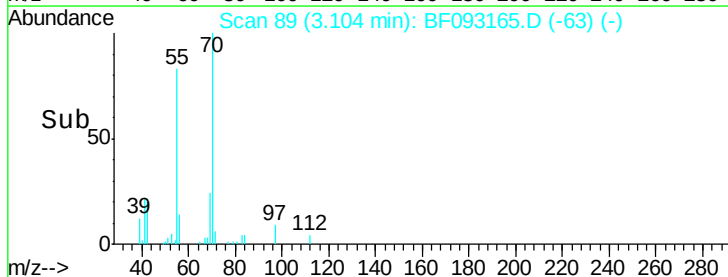
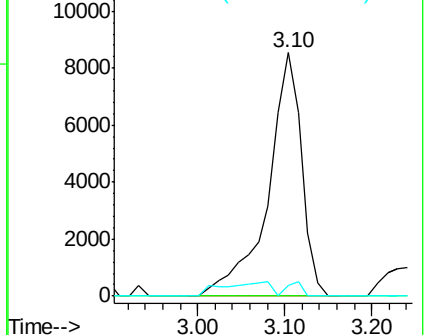
44 4.2 5.5 8.3#

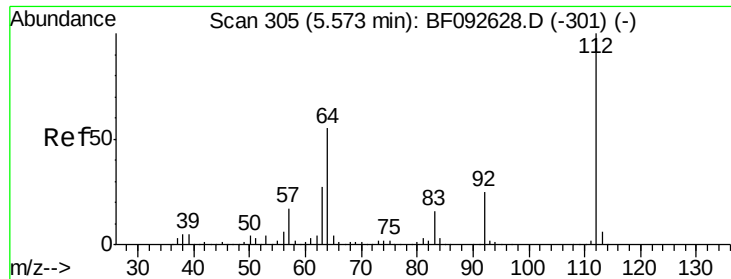


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 156.95 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

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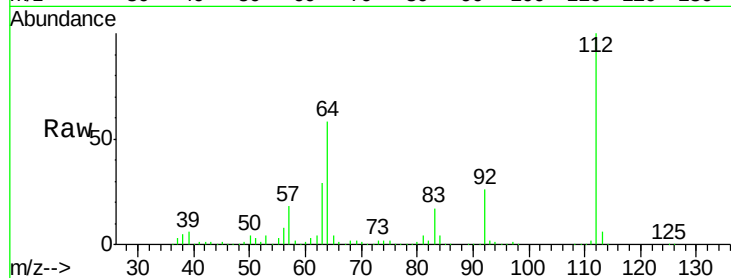
Tgt Ion:112 Resp: 1434954

Ion Ratio Lower Upper

112 100

64 58.4 46.1 69.1

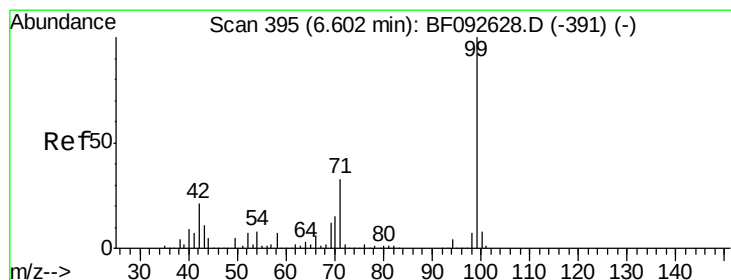
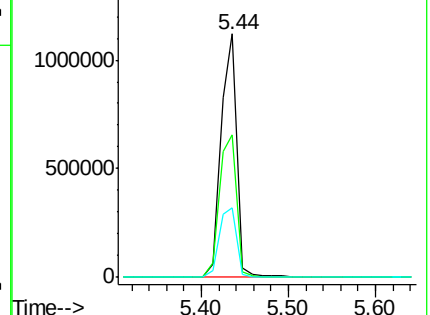
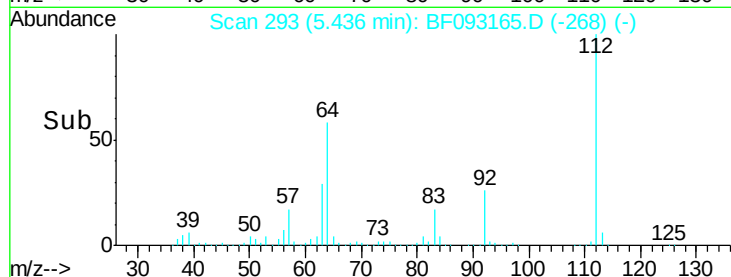
63 28.8 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 134.77 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

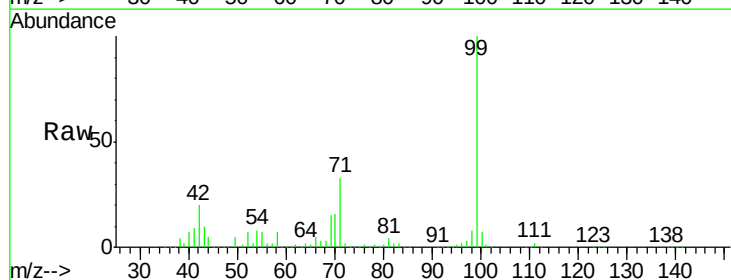
Tgt Ion: 99 Resp: 1585397

Ion Ratio Lower Upper

99 100

42 19.8 15.6 23.4

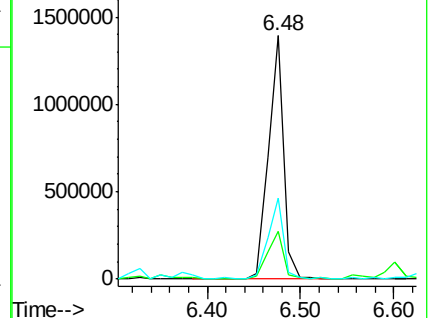
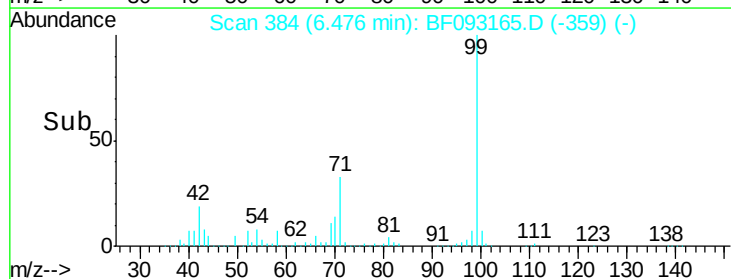
71 33.2 27.5 41.3

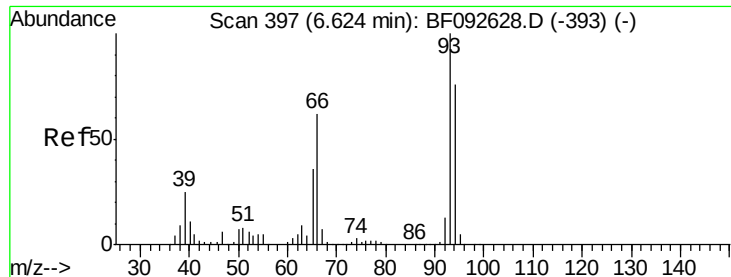


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 4.44 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

Instrument :

BNA_F

ClientSampleId :

SRI-SB-5(16-18)20170222

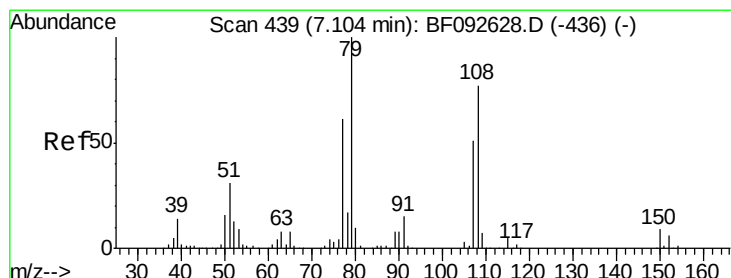
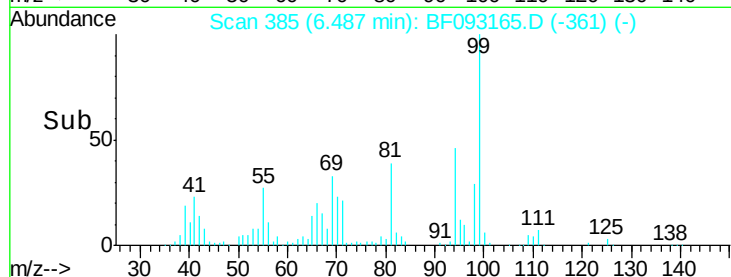
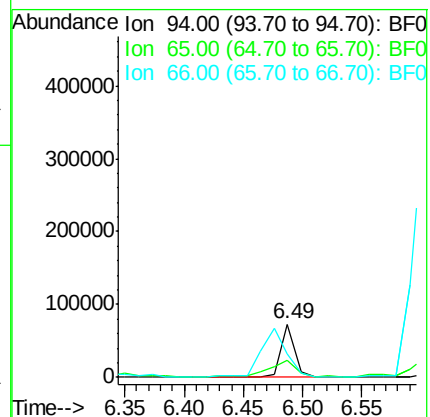
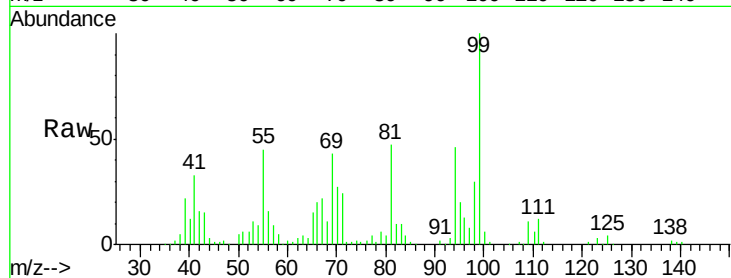
Tgt Ion: 94 Resp: 61078

Ion Ratio Lower Upper

94 100

65 32.7 21.4 61.4

66 43.4 44.0 84.0#



#15

Benzyl Alcohol

Concen: 2.74 ng

RT: 6.99 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

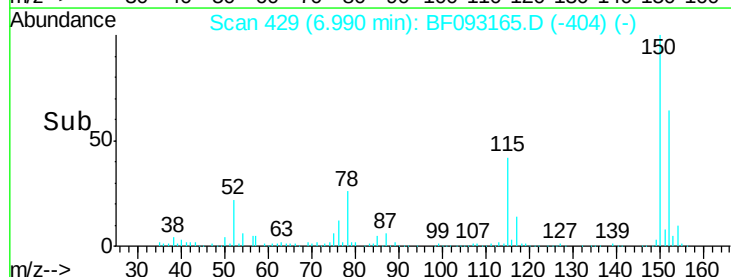
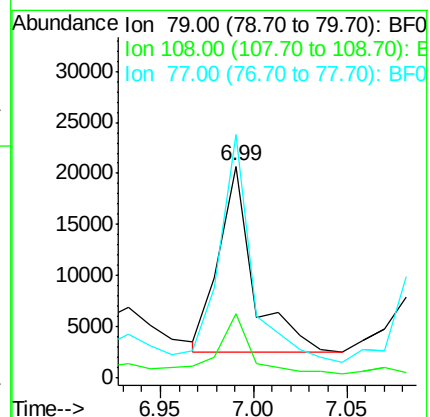
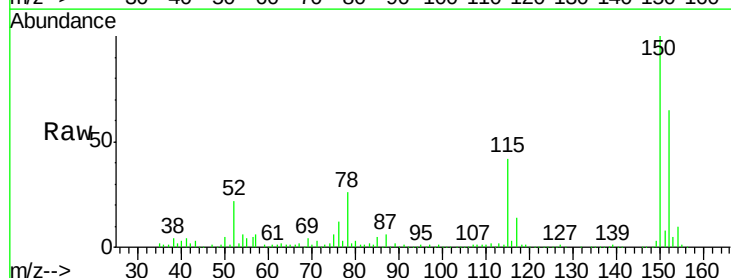
Tgt Ion: 79 Resp: 23888

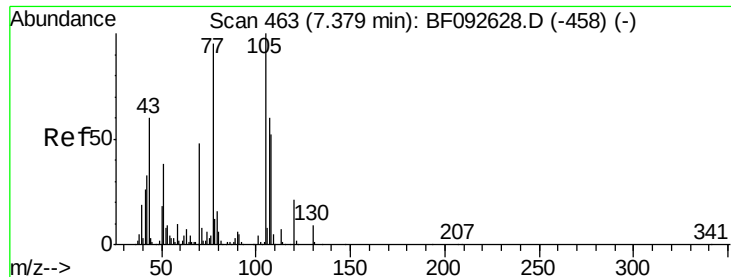
Ion Ratio Lower Upper

79 100

108 30.1 61.4 92.0#

77 114.7 50.9 76.3#

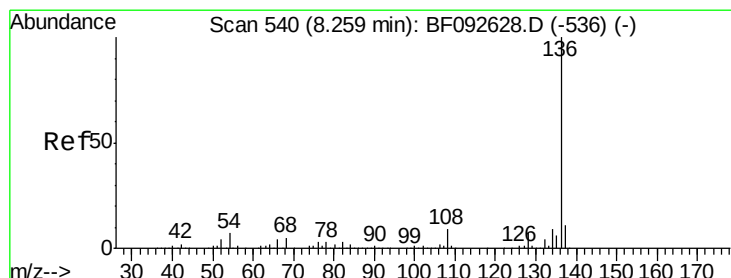
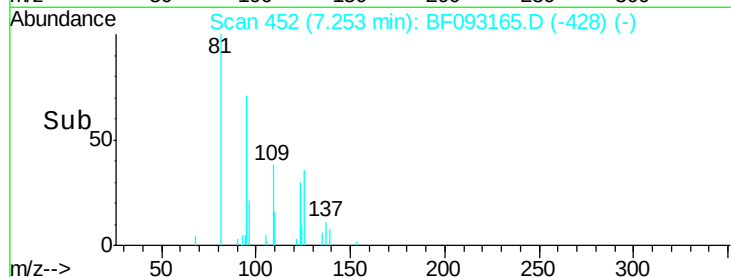
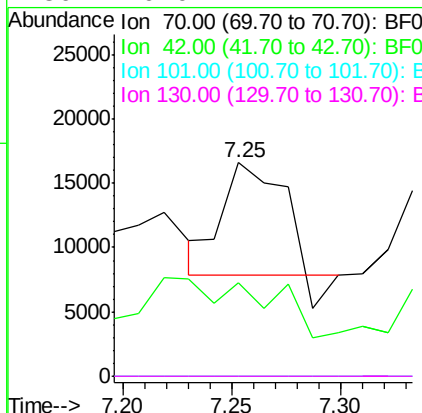
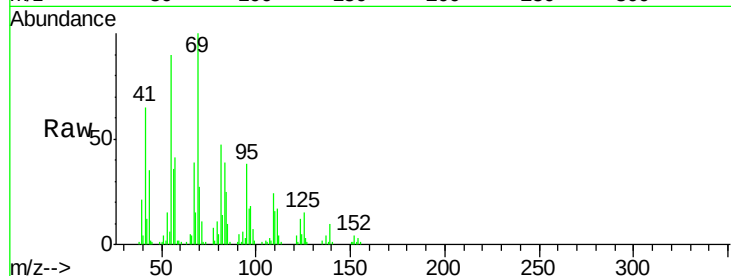




#19
n-Nitroso-di-n-propylamine
Concen: 2.11 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.02 min
Lab File: BF093165.D
Acq: 25 Feb 2017 00:54

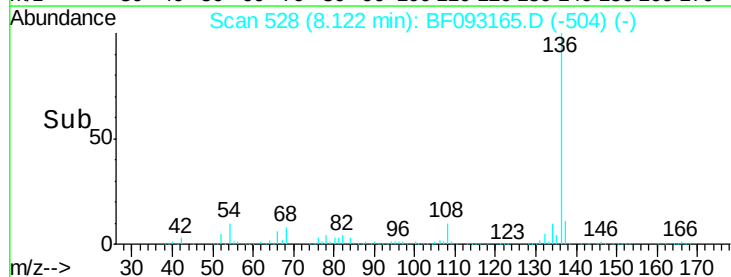
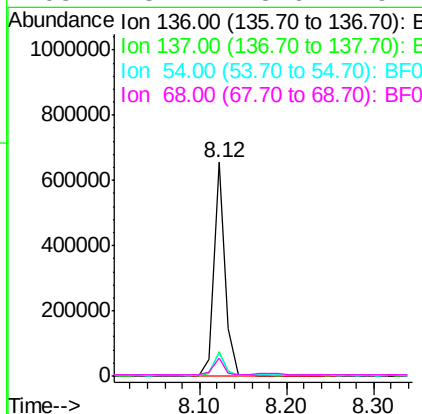
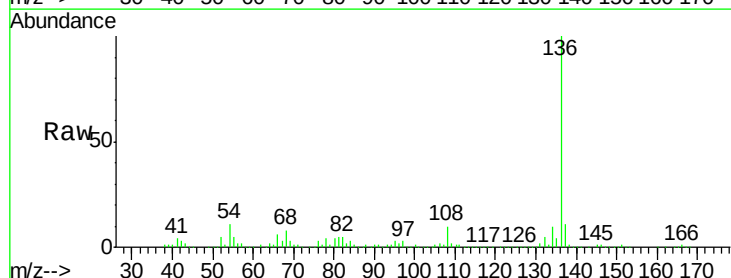
Instrument :
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SRI-SB-5(16-18)20170222

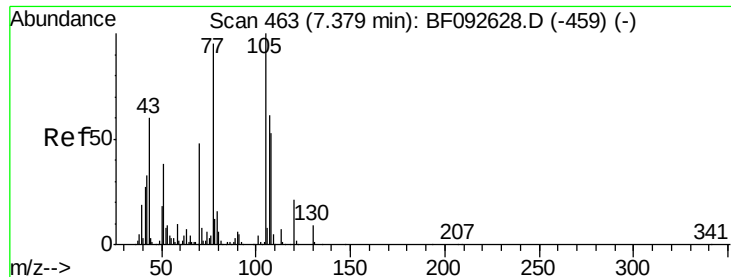
Tgt Ion: 70 Resp: 15820
Ion Ratio Lower Upper
70 100
42 43.5 49.4 74.0#
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093165.D
Acq: 25 Feb 2017 00:54

Tgt Ion: 136 Resp: 589681
Ion Ratio Lower Upper
136 100
137 11.4 8.4 12.6
54 10.8 4.5 6.7#
68 8.2 3.6 5.4#





#22

Acetophenone

Concen: 2.52 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.03 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:105 Resp: 33916

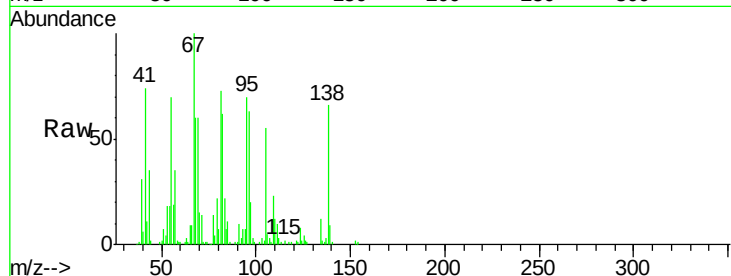
Ion Ratio Lower Upper

105 100

71 25.6 3.2 4.8#

51 13.2 26.2 39.4#

120 0.0 16.6 24.8#



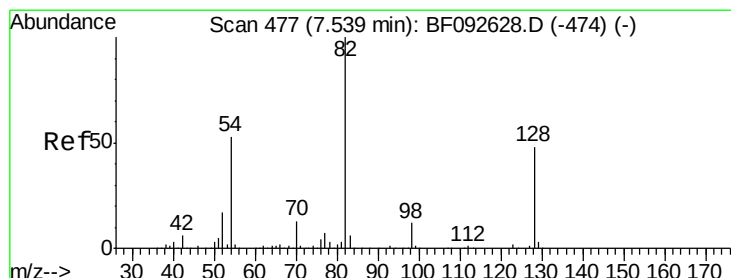
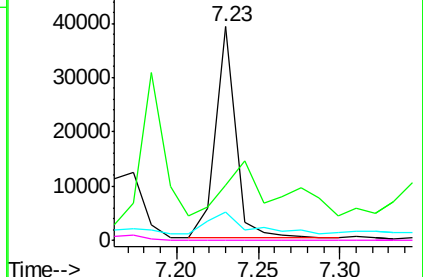
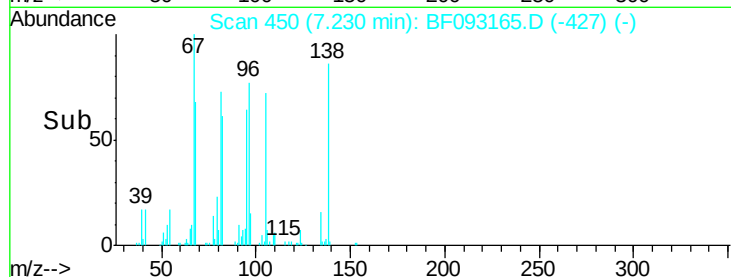
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



#23

Nitrobenzene-d5

Concen: 96.10 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.02 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

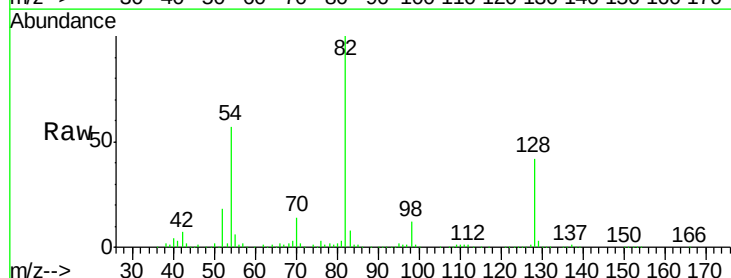
Tgt Ion: 82 Resp: 1017570

Ion Ratio Lower Upper

82 100

128 41.7 34.6 52.0

54 57.1 39.5 59.3

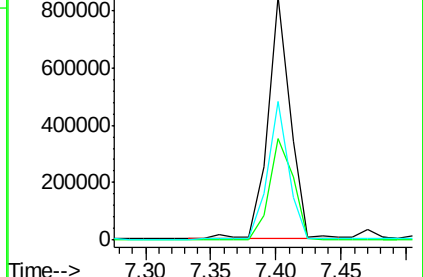
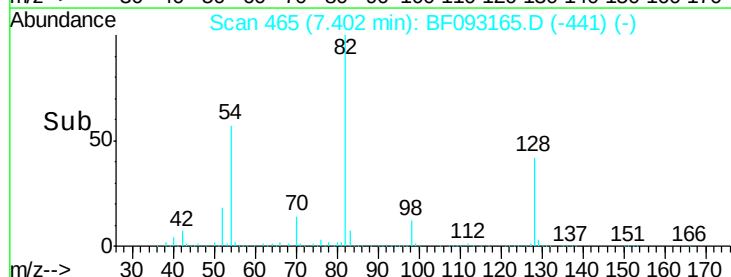


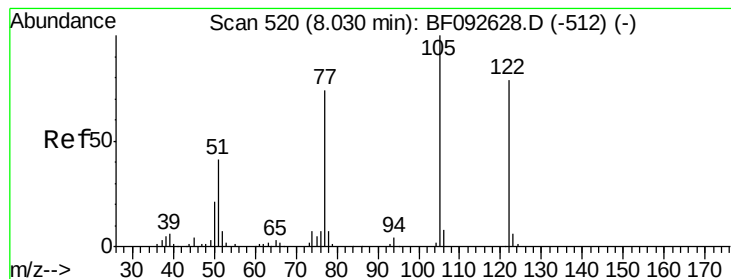
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->





#32

Benzoic acid

Concen: 7.83 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF093165.D

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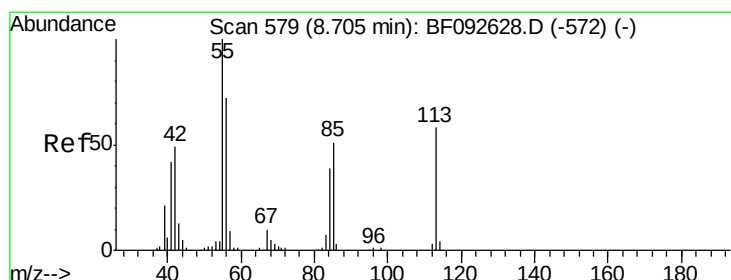
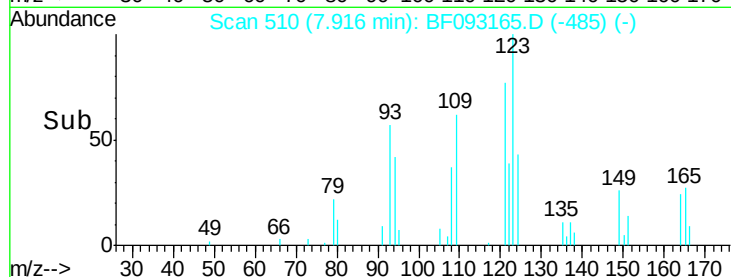
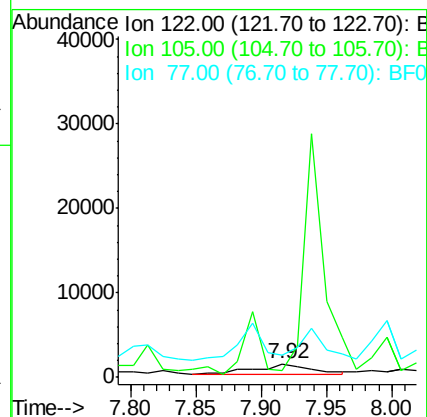
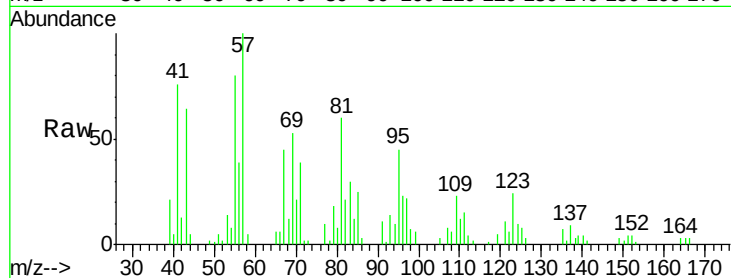
Tgt Ion:122 Resp: 3998

Ion Ratio Lower Upper

122 100

105 45.8 107.2 147.2#

77 158.4 74.5 114.5#



#35

Caprolactam

Concen: 6.44 ng

RT: 8.54 min Scan# 565

Delta R.T. -0.05 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

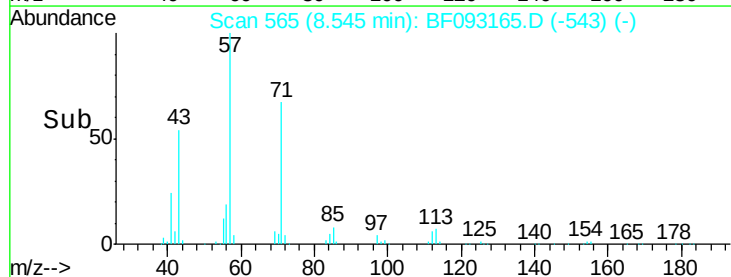
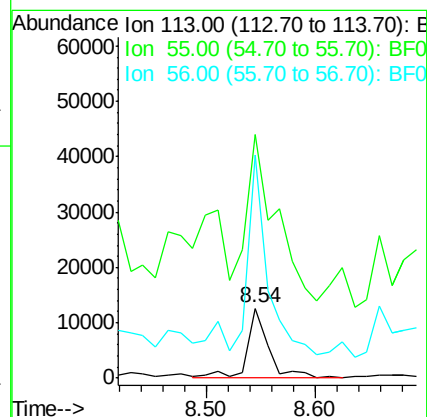
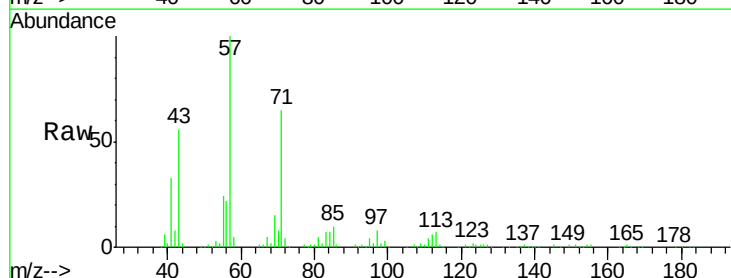
Tgt Ion:113 Resp: 17140

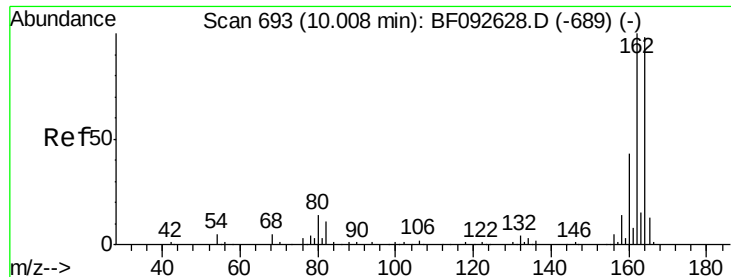
Ion Ratio Lower Upper

113 100

55 347.9 119.2 159.2#

56 318.8 83.8 123.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

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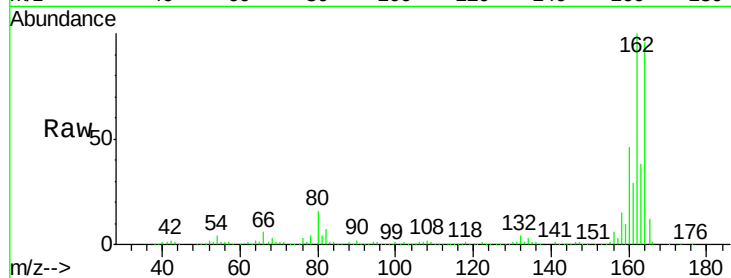
Tgt Ion:164 Resp: 291892

Ion Ratio Lower Upper

164 100

162 104.5 80.2 120.2

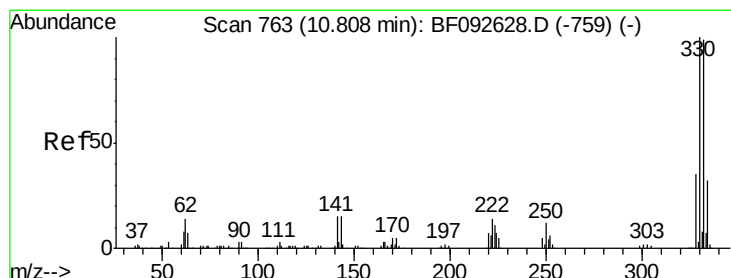
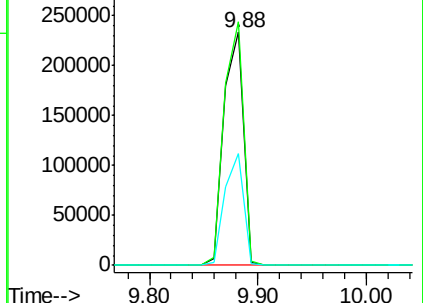
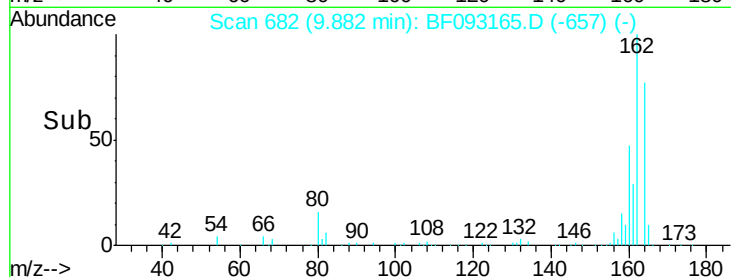
160 47.7 36.9 55.3



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: 153.61 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

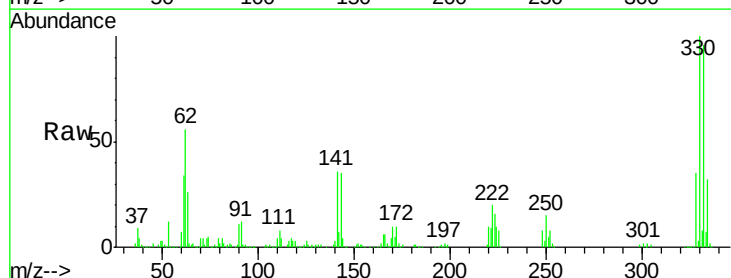
Tgt Ion:330 Resp: 324294

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.2

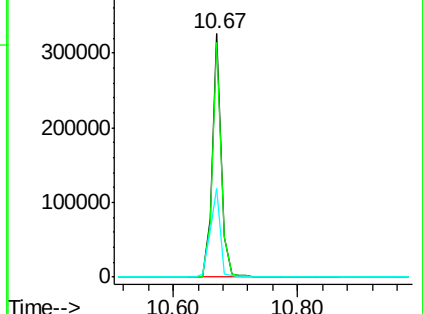
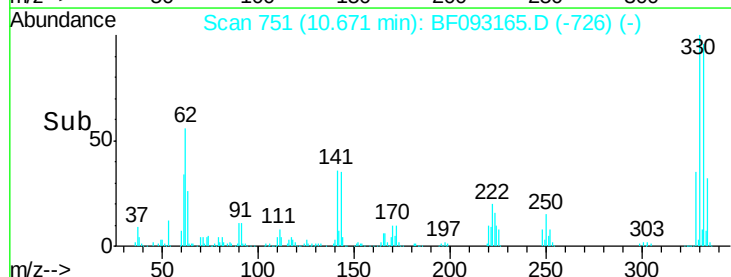
141 40.4 34.1 51.1

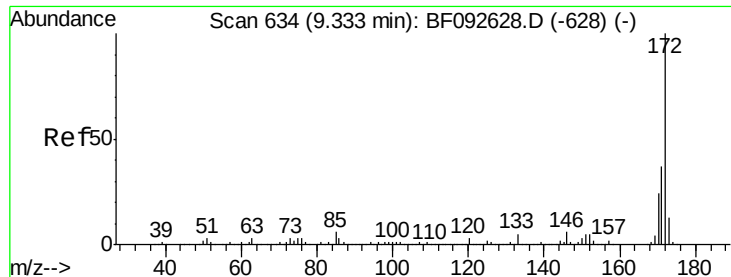


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

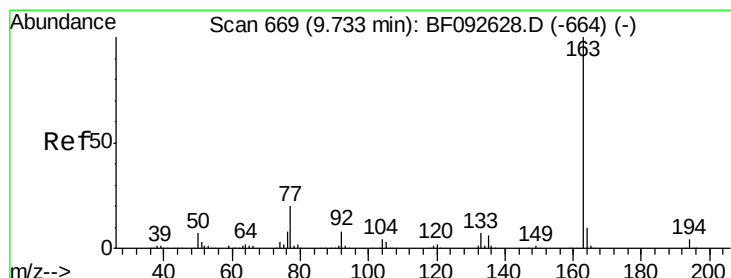
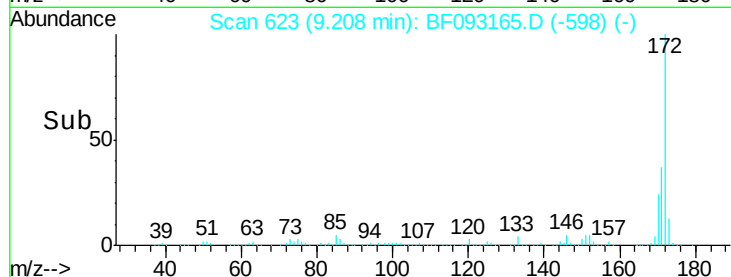
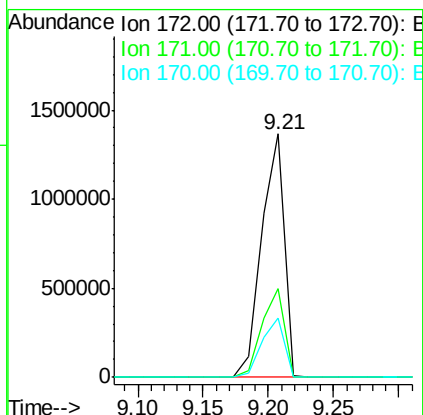
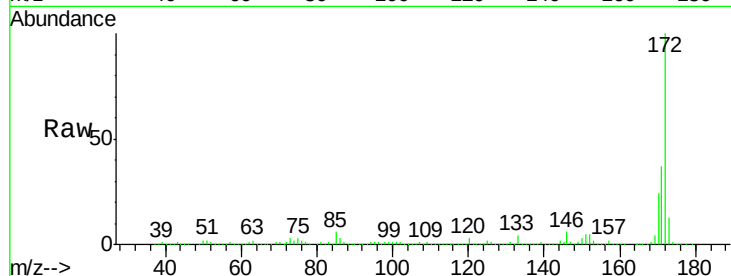




#44
2-Fluorobiphenyl
Concen: 103.33 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF093165.D
Acq: 25 Feb 2017 00:54

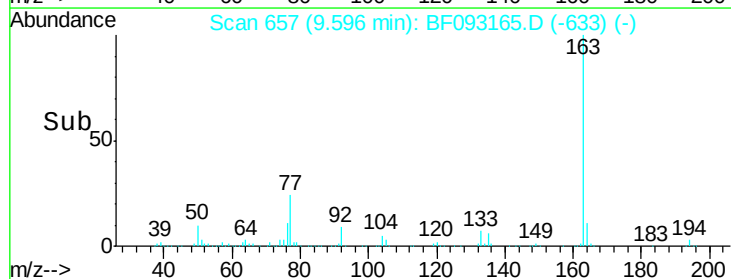
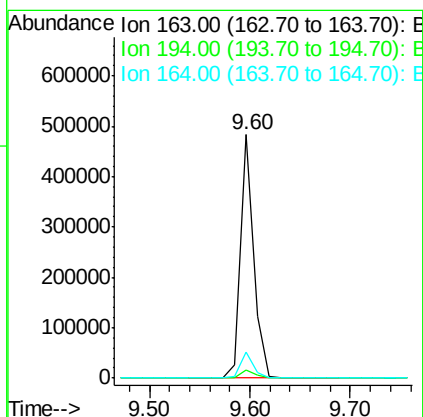
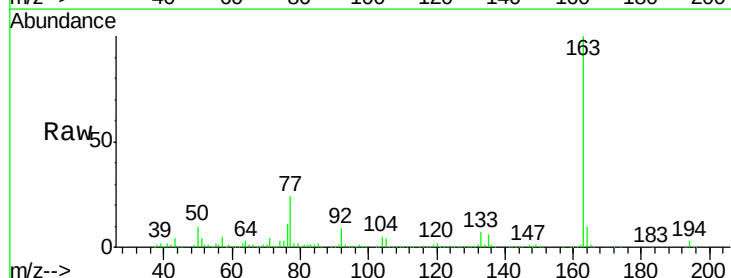
Instrument :
BNA_F
ClientSampleId :
SRI-SB-5(16-18)20170222

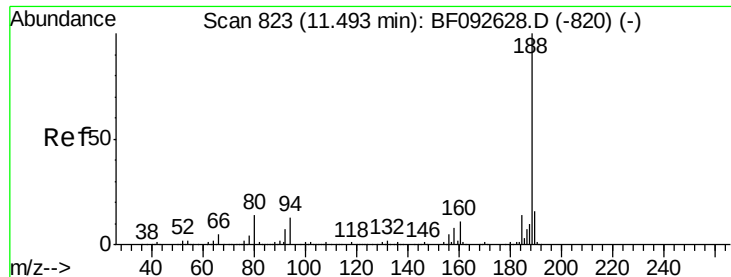
Tgt Ion:172 Resp: 1664751
Ion Ratio Lower Upper
172 100
171 36.7 29.4 44.0
170 24.4 20.2 30.4



#49
Dimethylphthalate
Concen: 22.44 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093165.D
Acq: 25 Feb 2017 00:54

Tgt Ion:163 Resp: 441118
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 10.5 8.0 12.0

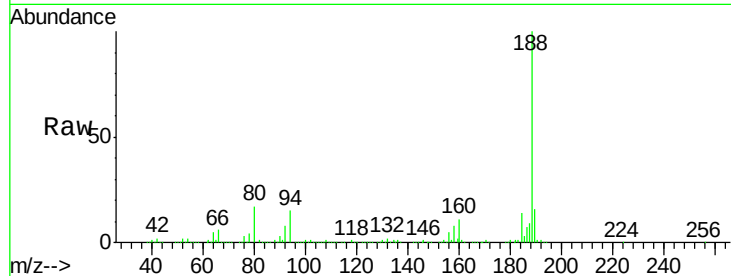




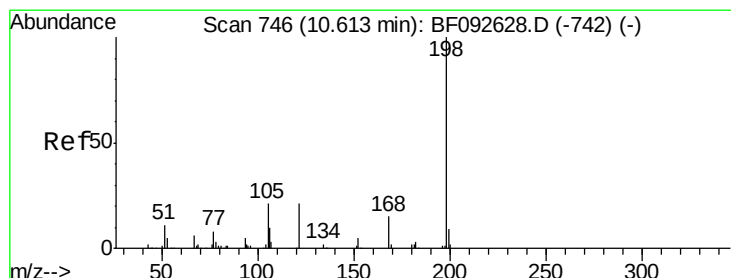
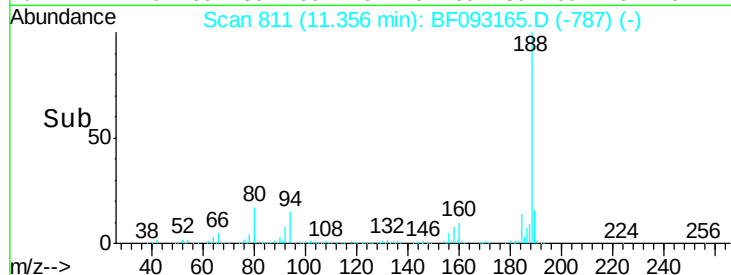
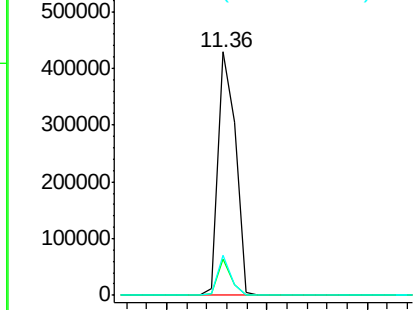
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093165.D
Acq: 25 Feb 2017 00:54

Instrument :
BNA_F
ClientSampleId :
SRI-SB-5(16-18)20170222

Tgt Ion:188 Resp: 519144
Ion Ratio Lower Upper
188 100
94 15.0 10.0 15.0
80 16.7 11.2 16.8

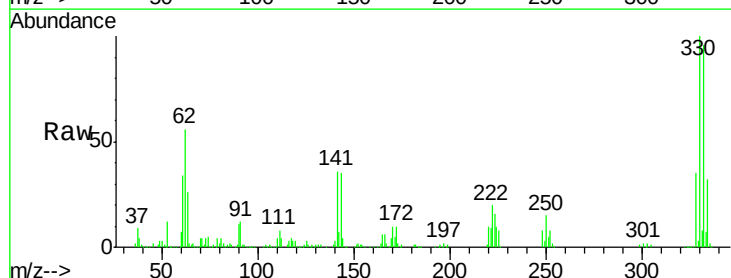


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

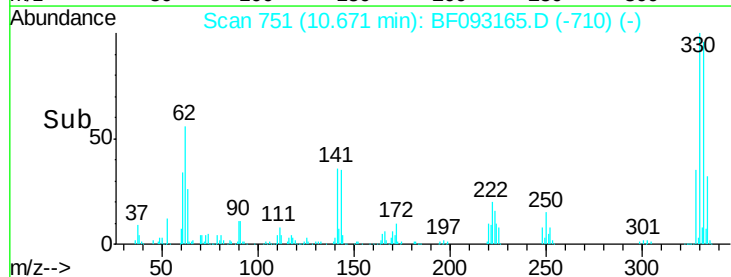
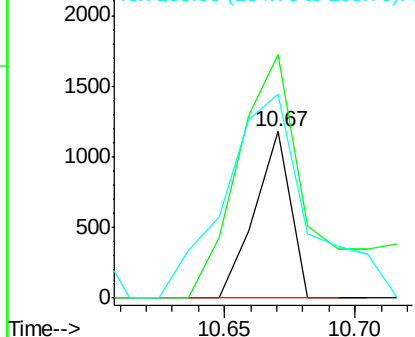


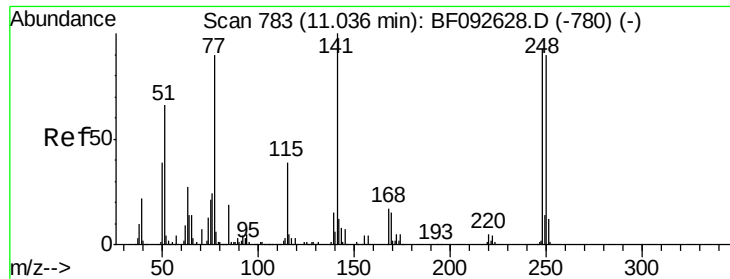
#64
4,6-Dinitro-2-methylphenol
Concen: 3.01 ng
RT: 10.67 min Scan# 751
Delta R.T. 0.17 min
Lab File: BF093165.D
Acq: 25 Feb 2017 00:54

Tgt Ion:198 Resp: 1134
Ion Ratio Lower Upper
198 100
51 146.0 6.7 46.7#
105 122.5 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

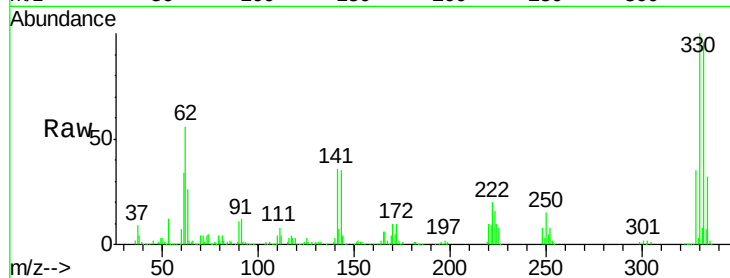




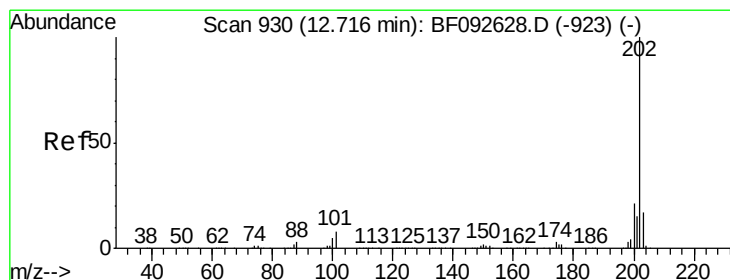
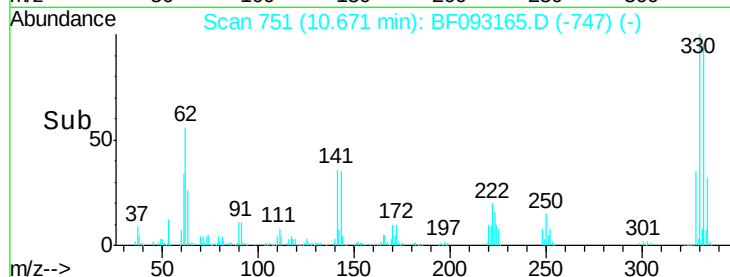
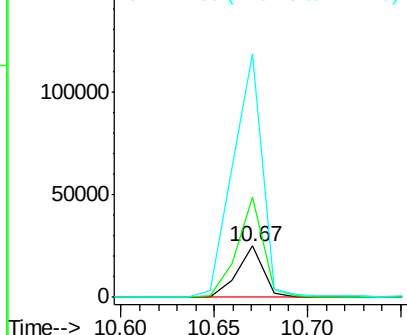
#66
4-Bromophenyl-phenylether
Concen: 4.43 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.25 min
Lab File: BF093165.D
Acq: 25 Feb 2017 00:54

Instrument :
BNA_F
ClientSampleId :
SRI-SB-5(16-18)20170222

Tgt Ion:248 Resp: 24003
Ion Ratio Lower Upper
248 100
250 197.7 76.9 115.3#
141 477.2 68.2 102.4#

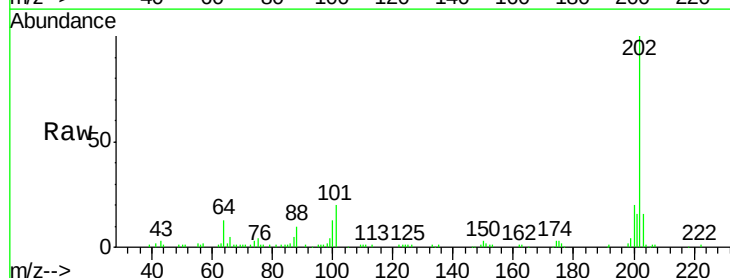


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

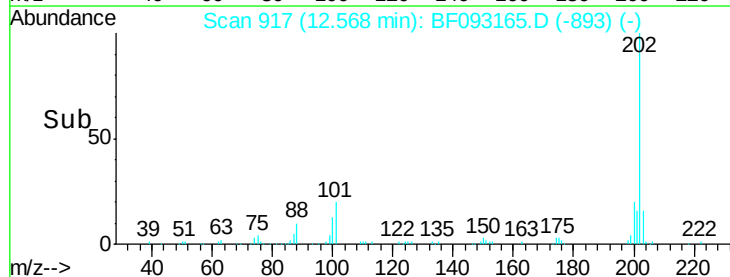
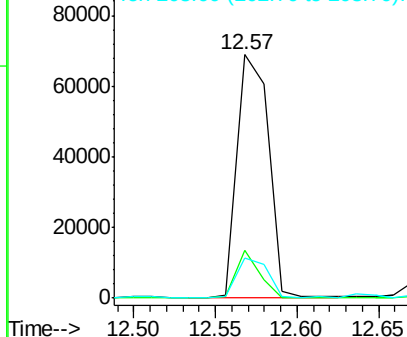


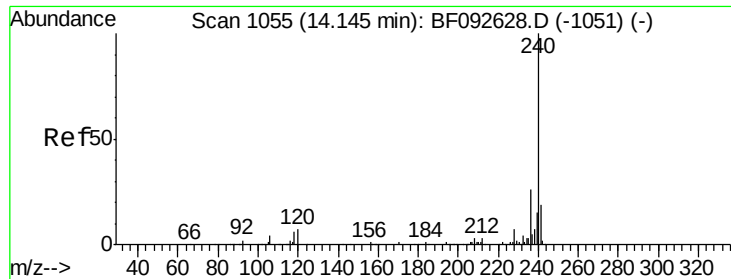
#74
Fluoranthene
Concen: 2.99 ng
RT: 12.57 min Scan# 917
Delta R.T. -0.02 min
Lab File: BF093165.D
Acq: 25 Feb 2017 00:54

Tgt Ion:202 Resp: 91662
Ion Ratio Lower Upper
202 100
101 19.5 0.0 34.6
203 16.3 0.0 38.7



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: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

Instrument :

BNA_F

ClientSampleId :

SRI-SB-5(16-18)20170222

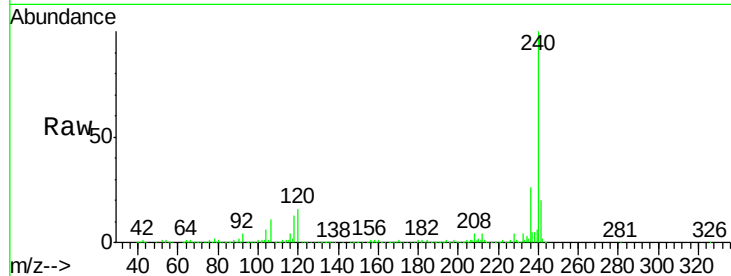
Tgt Ion:240 Resp: 422474

Ion Ratio Lower Upper

240 100

120 16.0 12.9 19.3

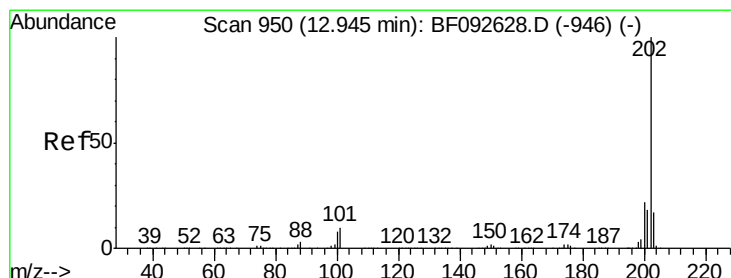
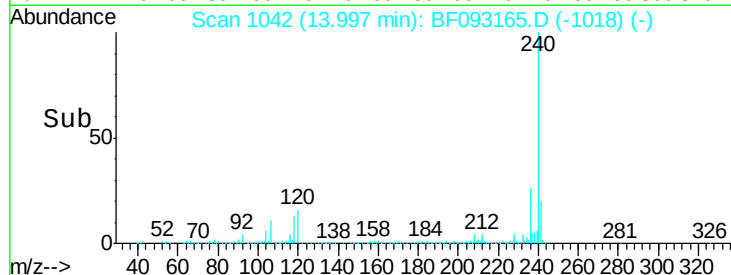
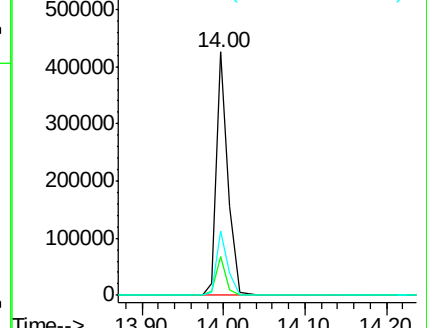
236 26.3 20.9 31.3



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: 2.59 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

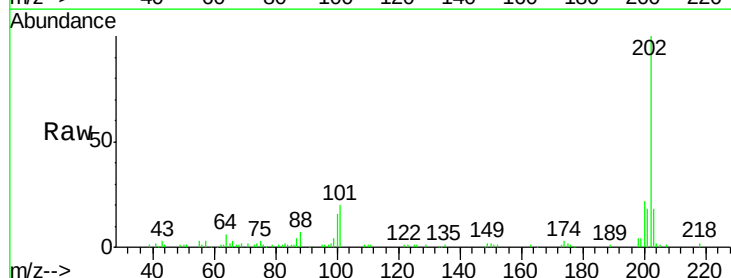
Tgt Ion:202 Resp: 82000

Ion Ratio Lower Upper

202 100

200 22.2 17.7 26.5

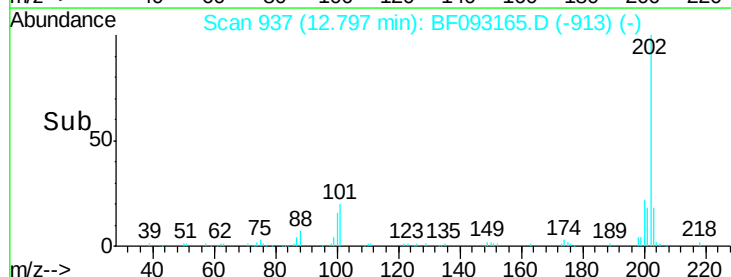
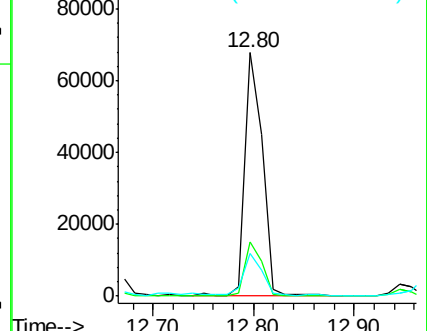
203 17.7 14.7 22.1

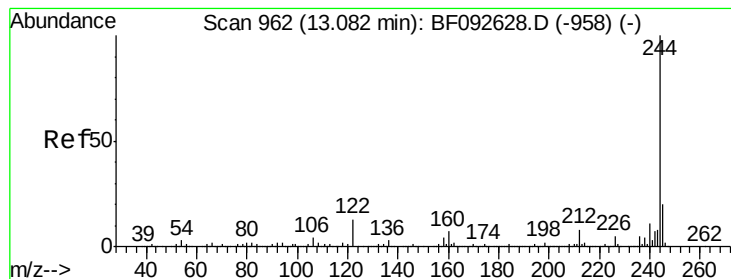


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 75.19 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

Instrument :

BNA_F

ClientSampleId :

SRI-SB-5(16-18)20170222

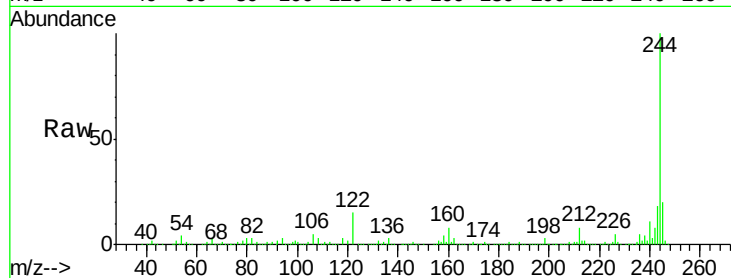
Tgt Ion:244 Resp: 1351972

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

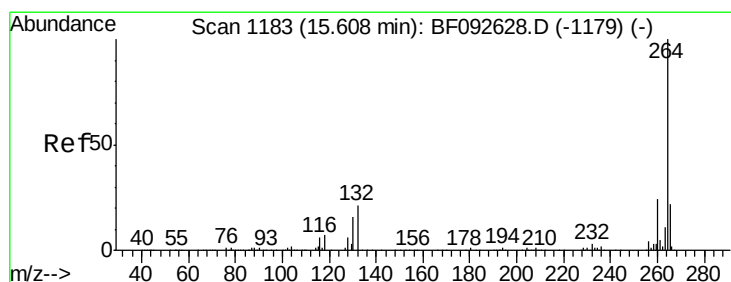
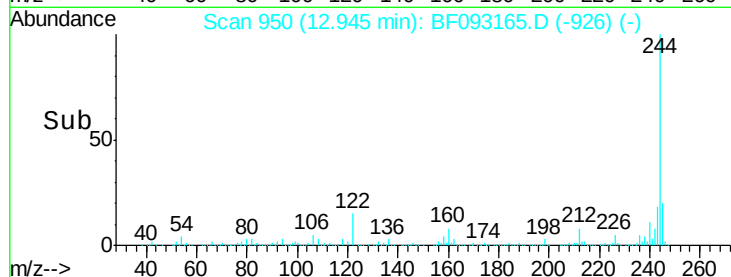
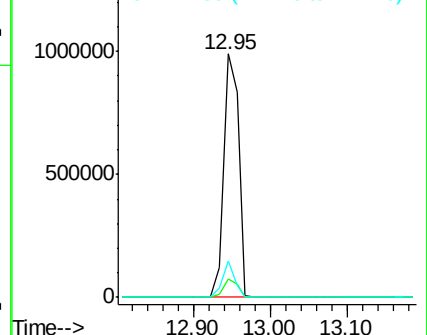
122 15.1 11.4 17.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.43 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

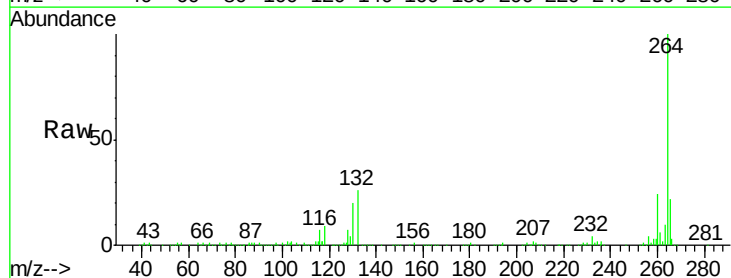
Tgt Ion:264 Resp: 297331

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

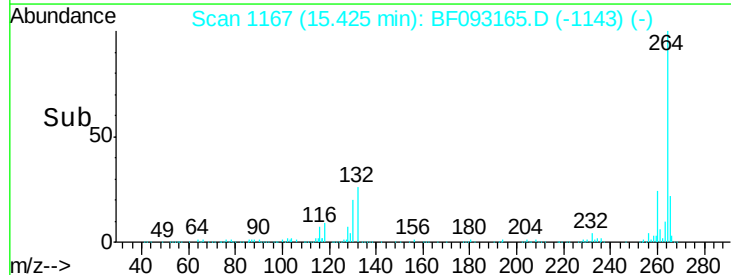
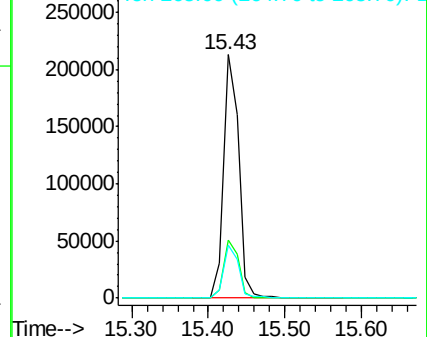
265 21.9 17.4 26.0

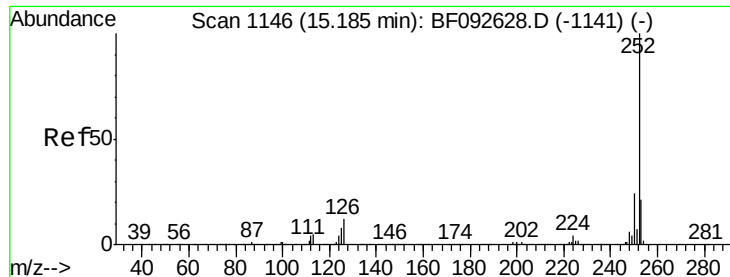


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

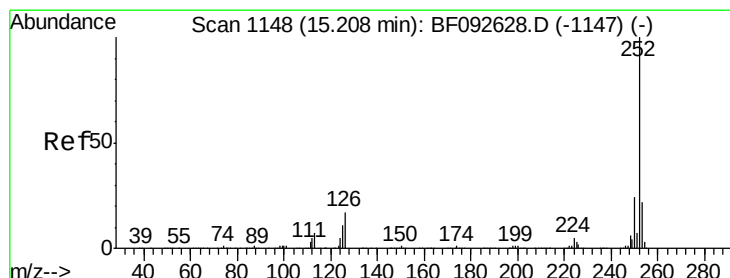
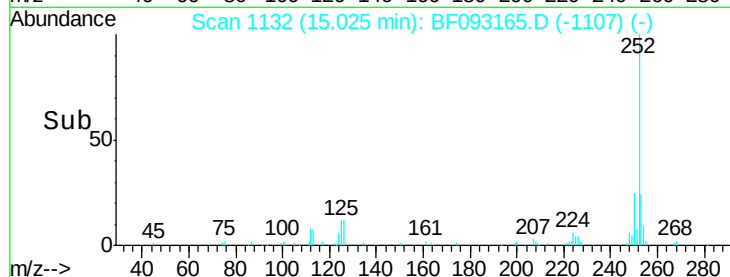
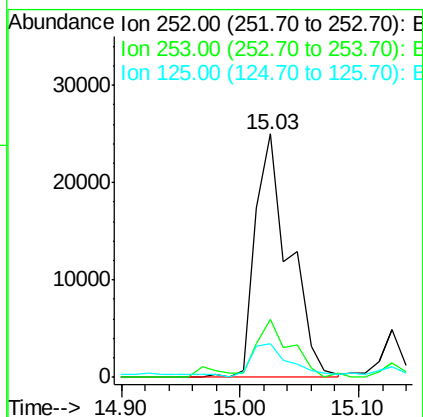
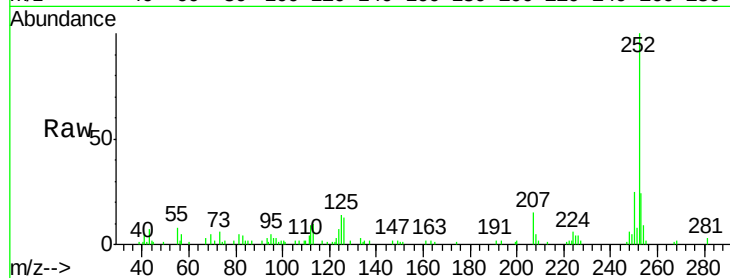




#87
Benzo(b)fluoranthene
Concen: 2.54 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093165.D
Acq: 25 Feb 2017 00:54

Instrument :
BNA_F
ClientSampleId :
SRI-SB-5(16-18)20170222

Tgt Ion:252 Resp: 49621
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.4
125 14.1 9.8 14.6



#88
Benzo(k)fluoranthene
Concen: 2.94 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.05 min
Lab File: BF093165.D
Acq: 25 Feb 2017 00:54

Tgt Ion:252 Resp: 49621
Ion Ratio Lower Upper
252 100
253 23.7 18.5 27.7
125 14.1 8.9 13.3#

