

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
 Data File : BF094374.D
 Acq On : 12 Apr 2017 2:18
 Operator : SJ/MA
 Sample : I2598-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 03:58:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

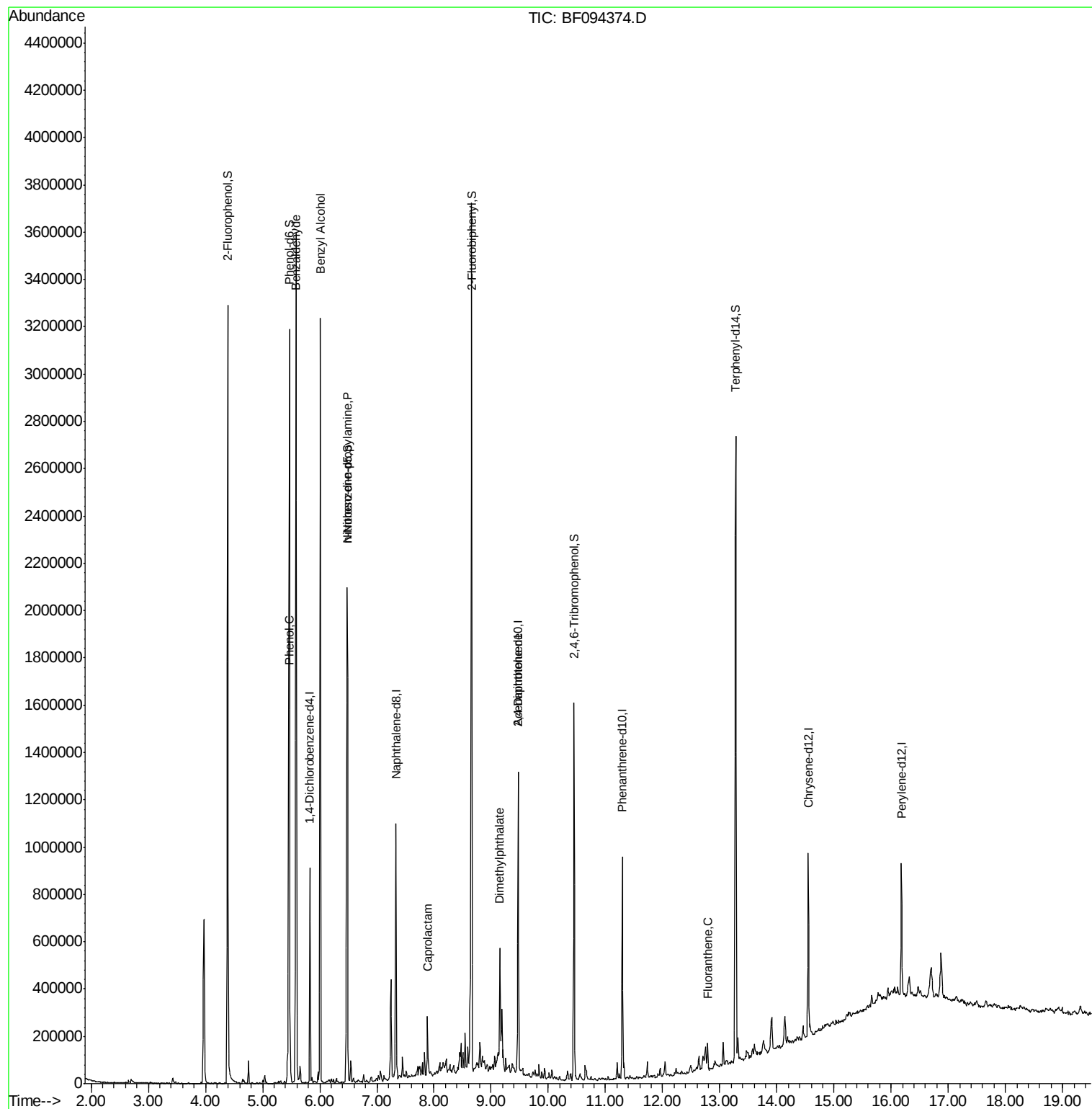
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.83	152	146162	20.00	ng	-0.03
21) Naphthalene-d8	7.33	136	567310	20.00	ng	-0.03
38) Acenaphthene-d10	9.47	164	235750	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	386447	20.00	ng	-0.02
75) Chrysene-d12	14.55	240	297018	20.00	ng	-0.02
86) Perylene-d12	16.18	264	227144	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	1073306	124.03	ng	0.00
7) Phenol-d6	5.47	99	1449036	135.36	ng	0.00
23) Nitrobenzene-d5	6.48	82	913699	91.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.45	330	193830	104.05	ng	-0.02
44) 2-Fluorobiphenyl	8.66	172	1467391	94.94	ng	-0.03
78) Terphenyl-d14	13.28	244	953384	71.95	ng	-0.02
Target Compounds						
9) Benzaldehyde	5.59	77	24625	3.41	ng	Qvalue 82
10) Phenol	5.48	94	70984	5.83	ng	87
15) Benzyl Alcohol	6.01	79	15677	2.00	ng	# 46
19) n-Nitroso-di-n-propylamine	6.48	70	122096	17.75	ng	# 78
35) Caprolactam	7.89	113	5981	2.49	ng	# 42
49) Dimethylphthalate	9.15	163	189772	11.32	ng	99
56) 2,4-Dinitrotoluene	9.47	165	30826	6.39	ng	# 34
74) Fluoranthene	12.79	202	45120	2.05	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.83 min Scan# 670

Delta R.T. -0.03 min

Lab File: BF094374.D

Acq: 12 Apr 2017 2:18

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BNA_F

ClientSampleId :

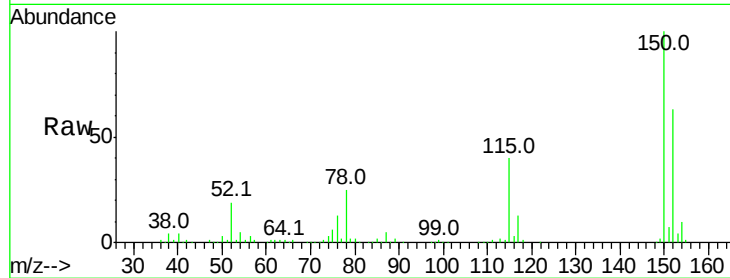
Tot Ion:152 Resp: 146162

Ion Ratio Lower Upper

152 100

150 159.8 126.2 189.2

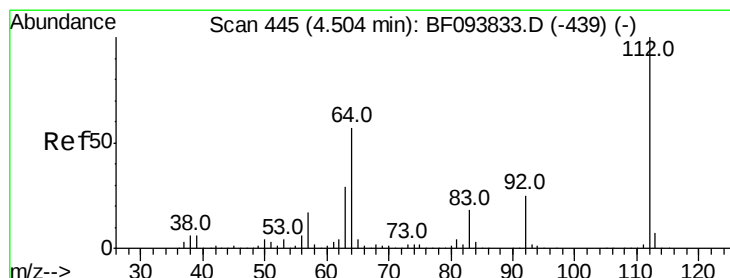
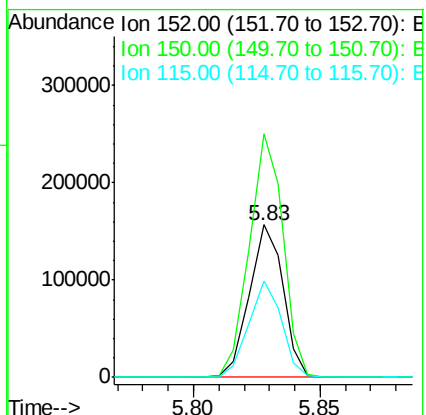
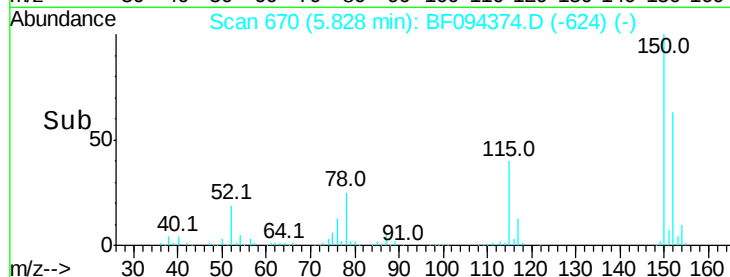
115 63.4 52.2 78.2



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: 124.03 ng

RT: 4.39 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF094374.D

Acq: 12 Apr 2017 2:18

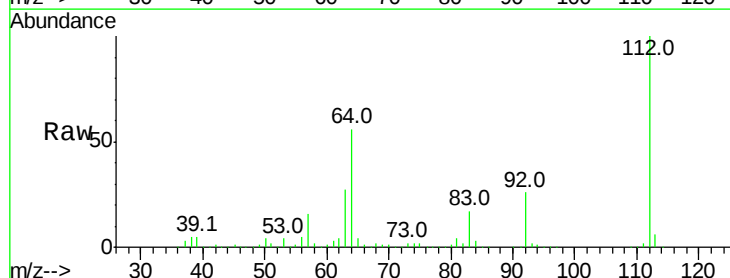
Tgt Ion:112 Resp: 1073306

Ion Ratio Lower Upper

112 100

64 55.7 46.0 69.0

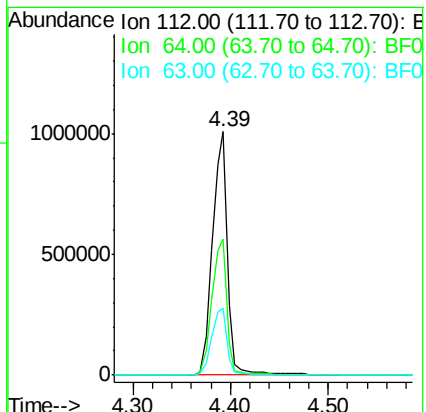
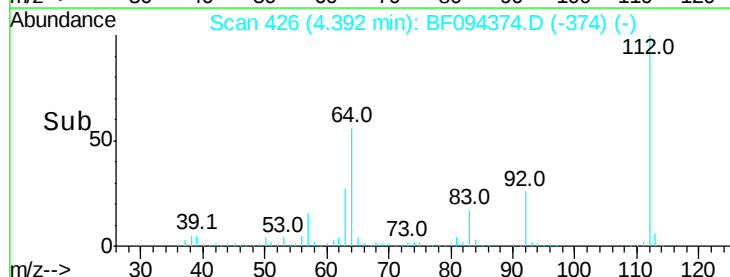
63 27.3 23.4 35.0

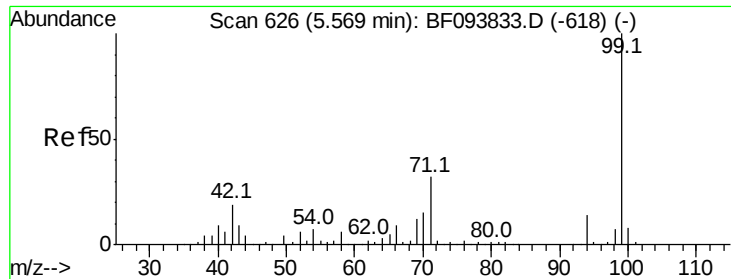


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 135.36 ng

RT: 5.47 min Scan# 609

Delta R.T. 0.01 min

Lab File: BF094374.D

Acq: 12 Apr 2017 2:18

Instrument :

BNA_F

ClientSampled :

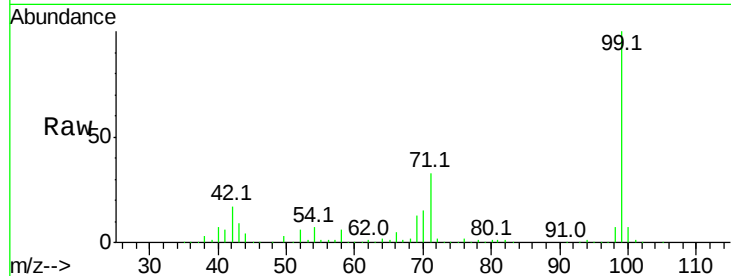
Tot Ion: 99 Resp: 1449036

Ion Ratio Lower Upper

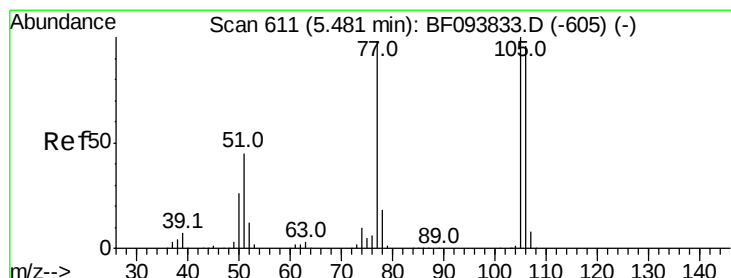
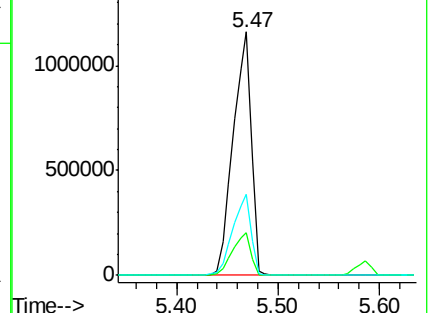
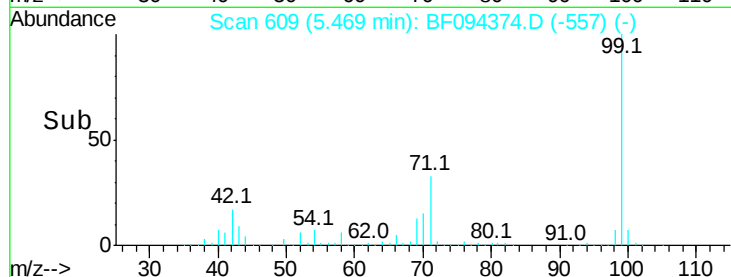
99 100

42 17.5 13.5 20.3

71 33.2 24.5 36.7



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



#9

Benzaldehyde

Concen: 3.41 ng

RT: 5.59 min Scan# 629

Delta R.T. 0.23 min

Lab File: BF094374.D

Acq: 12 Apr 2017 2:18

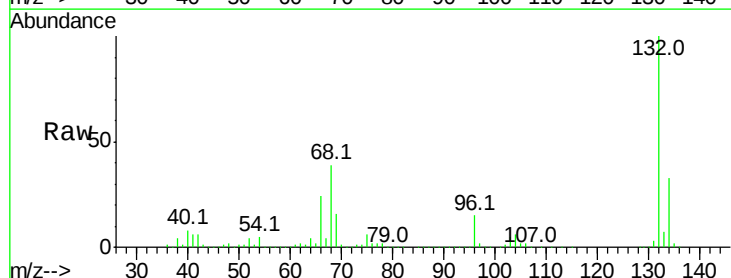
Tgt Ion: 77 Resp: 24625

Ion Ratio Lower Upper

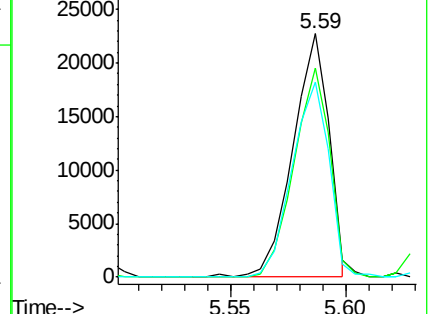
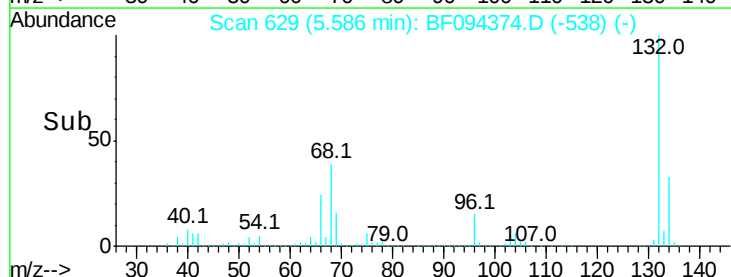
77 100

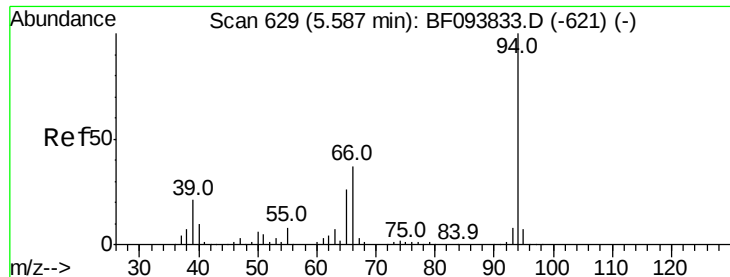
105 85.6 83.8 123.8

106 80.3 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 5.83 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.00 min

Lab File: BF094374.D

Acq: 12 Apr 2017 2:18

Instrument :

BNA_F

ClientSampleId :

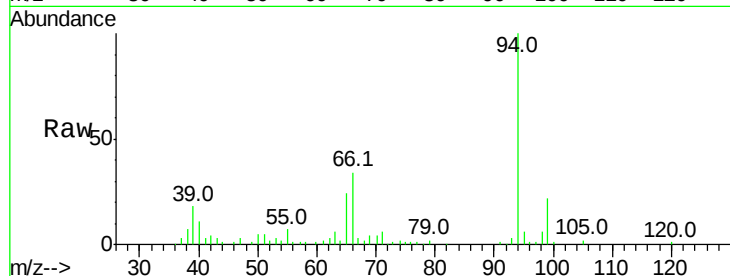
Tot Ion: 94 Resp: 70984

Ion Ratio Lower Upper

94 100

65 23.7 9.9 49.9

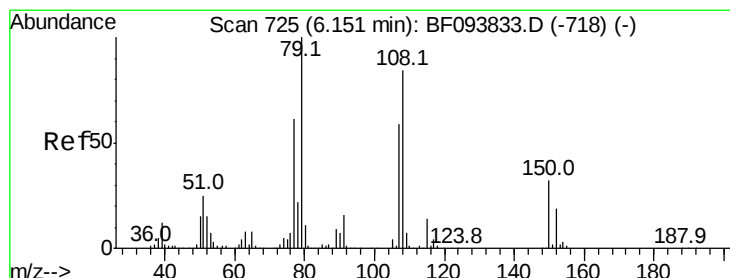
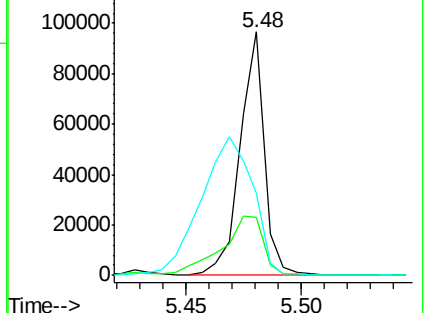
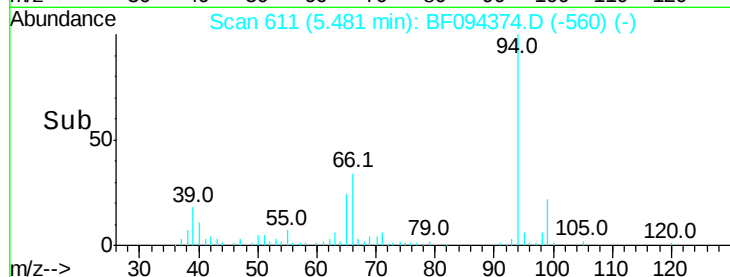
66 33.9 23.1 63.1



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



#15

Benzyl Alcohol

Concen: 2.00 ng

RT: 6.01 min Scan# 701

Delta R.T. -0.02 min

Lab File: BF094374.D

Acq: 12 Apr 2017 2:18

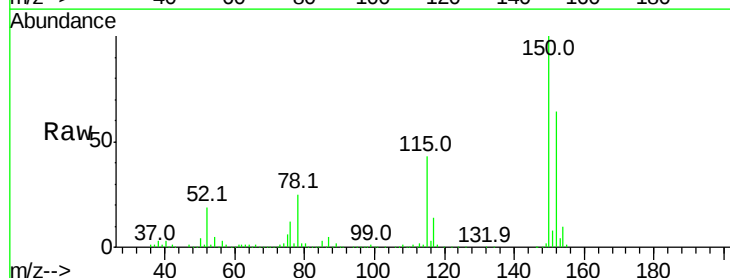
Tgt Ion: 79 Resp: 15677

Ion Ratio Lower Upper

79 100

108 34.1 63.4 95.0#

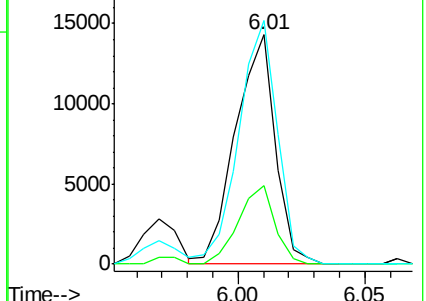
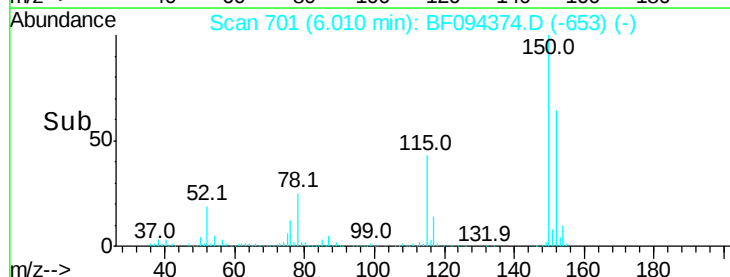
77 106.1 49.2 73.8#

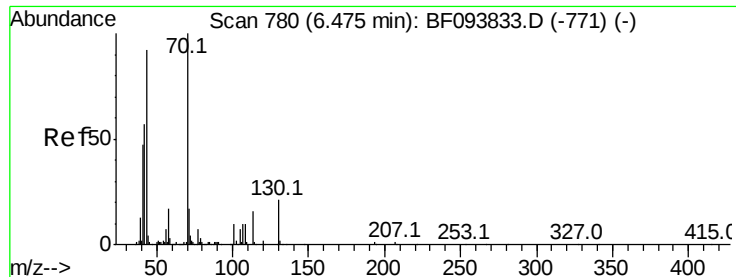


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 17.75 ng

RT: 6.48 min Scan# 781

Delta R.T. 0.13 min

Lab File: BF094374.D

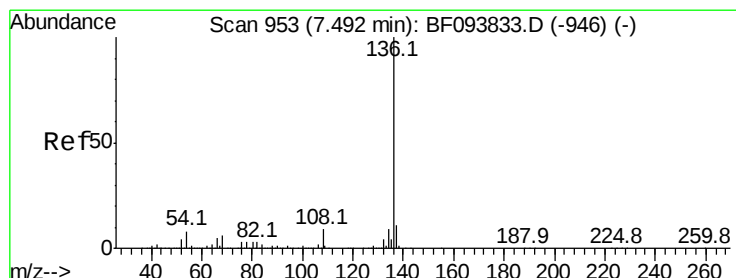
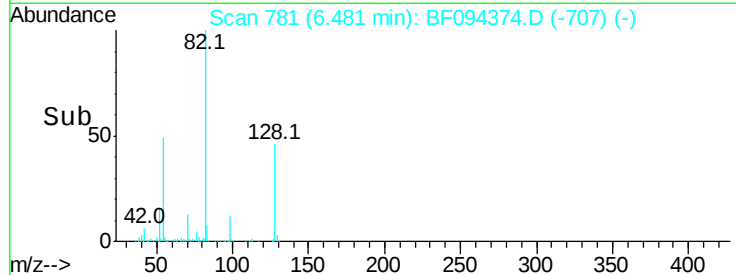
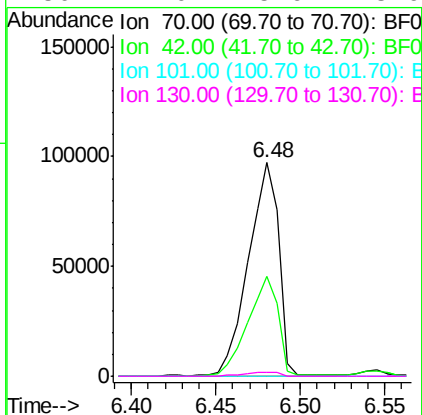
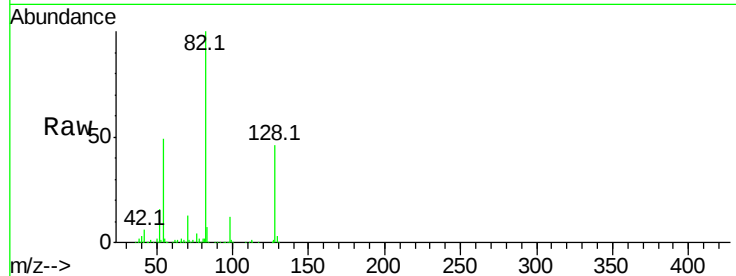
Acq: 12 Apr 2017 2:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	122096
Ion	Ratio	Lower	Upper
70	100		
42	46.8	47.2	70.8#
101	0.0	7.2	10.8#
130	2.0	15.9	23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

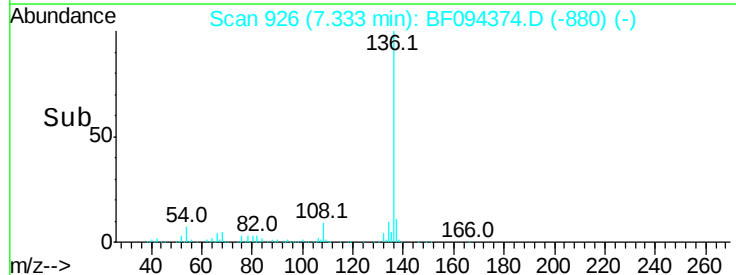
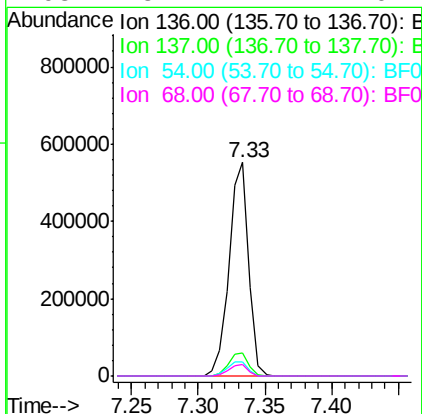
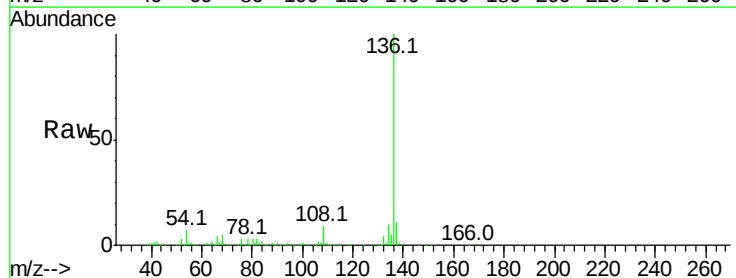
RT: 7.33 min Scan# 926

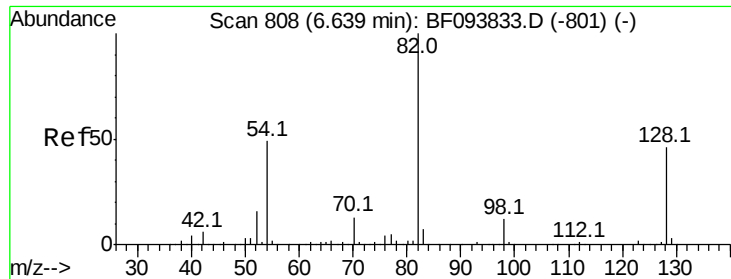
Delta R.T. -0.03 min

Lab File: BF094374.D

Acq: 12 Apr 2017 2:18

Tgt Ion:	136	Resp:	567310
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	6.7	4.9	7.3
68	5.2	4.1	6.1

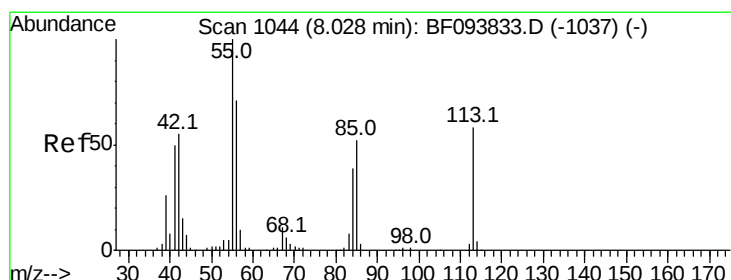
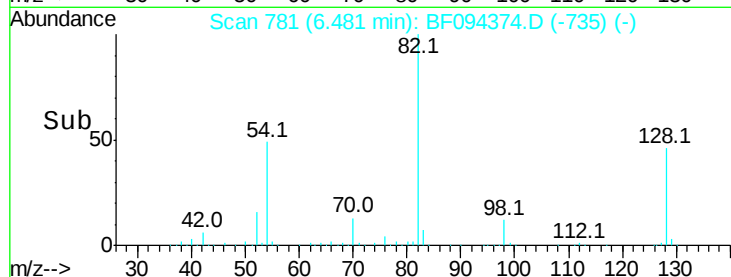
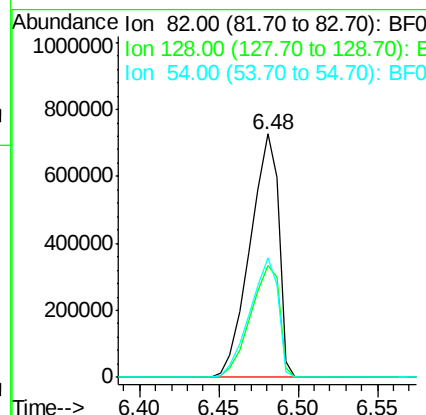
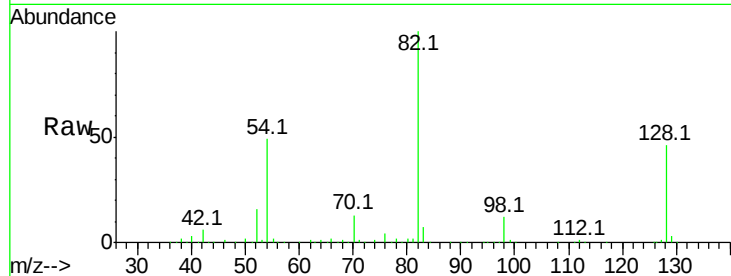




#23
 Nitrobenzene-d5
 Concen: 91.91 ng
 RT: 6.48 min Scan# 781
 Delta R.T. -0.03 min
 Lab File: BF094374.D
 Acq: 12 Apr 2017 2:18

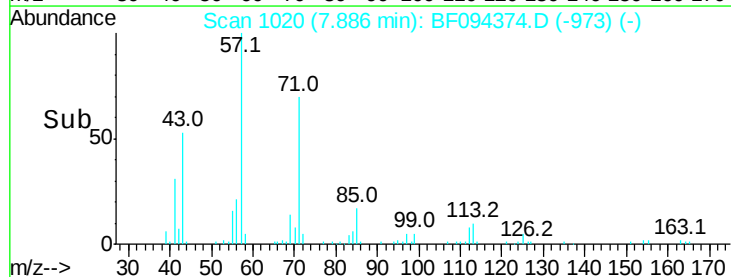
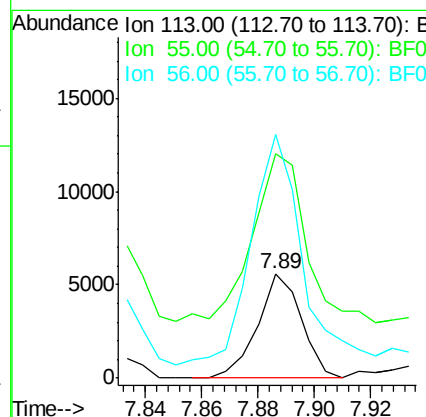
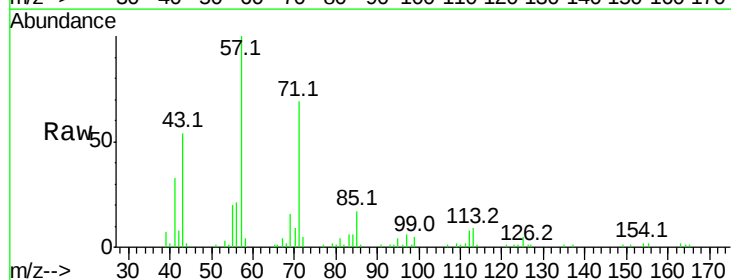
Instrument :
 BNA_F
 ClientSampled :

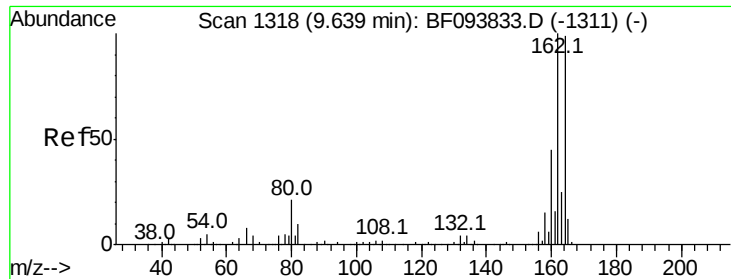
Tot Ion: 82 Resp: 913699
 Ion Ratio Lower Upper
 82 100
 128 45.9 34.0 51.0
 54 49.2 42.2 63.2



#35
 Caprolactam
 Concen: 2.49 ng
 RT: 7.89 min Scan# 1020
 Delta R.T. -0.02 min
 Lab File: BF094374.D
 Acq: 12 Apr 2017 2:18

Tgt Ion: 113 Resp: 5981
 Ion Ratio Lower Upper
 113 100
 55 215.4 150.2 190.2#
 56 233.2 107.8 147.8#

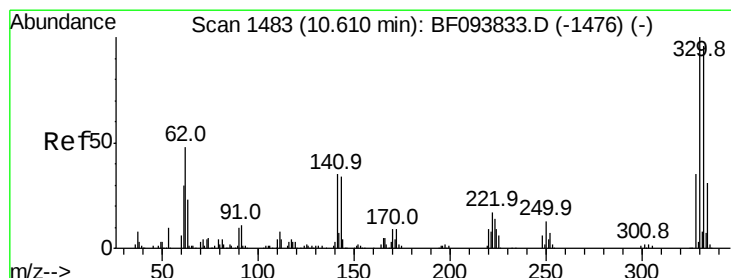
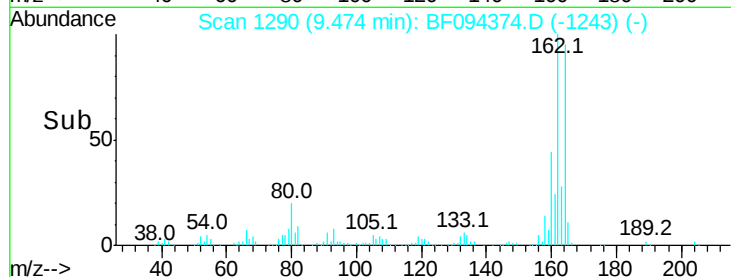
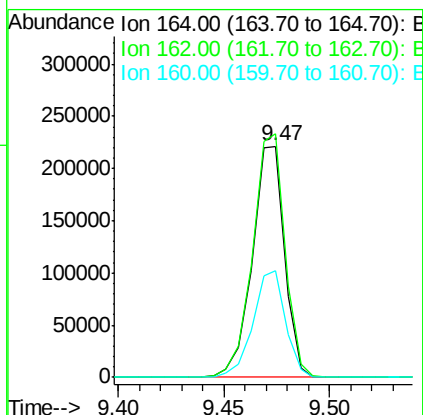
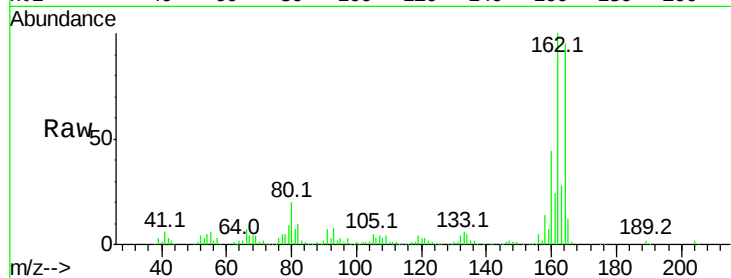




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF094374.D
 Acq: 12 Apr 2017 2:18

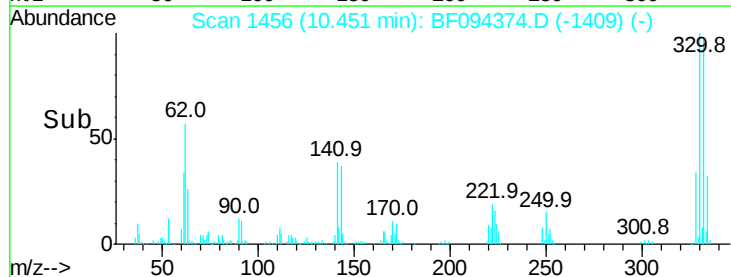
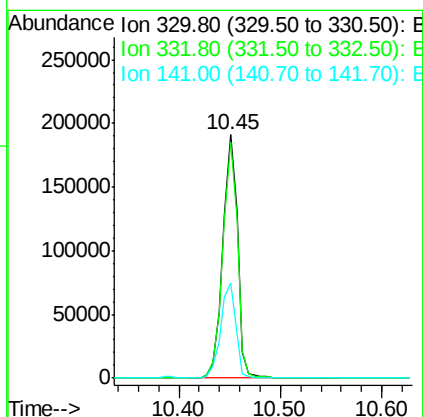
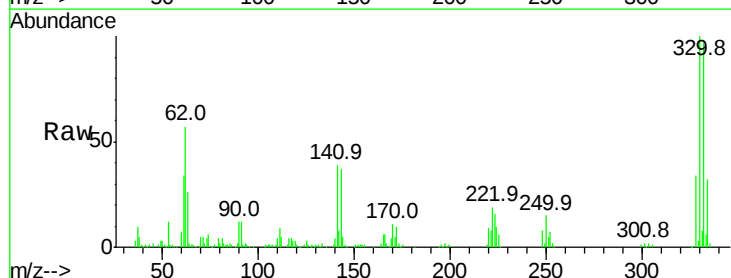
Instrument :
 BNA_F
 ClientSampleId :

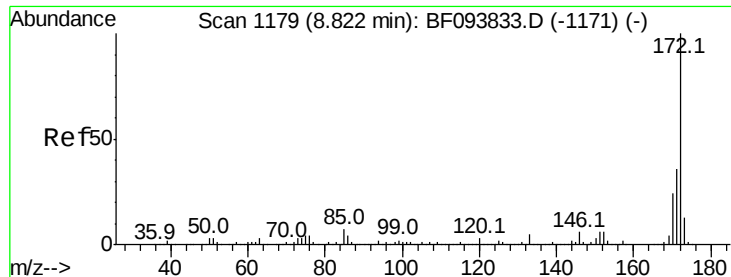
Tot Ion:164 Resp: 235750
 Ion Ratio Lower Upper
 164 100
 162 105.2 82.6 123.8
 160 45.8 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 104.05 ng
 RT: 10.45 min Scan# 1456
 Delta R.T. -0.02 min
 Lab File: BF094374.D
 Acq: 12 Apr 2017 2:18

Tgt Ion:330 Resp: 193830
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 115.0
 141 40.8 31.4 47.2

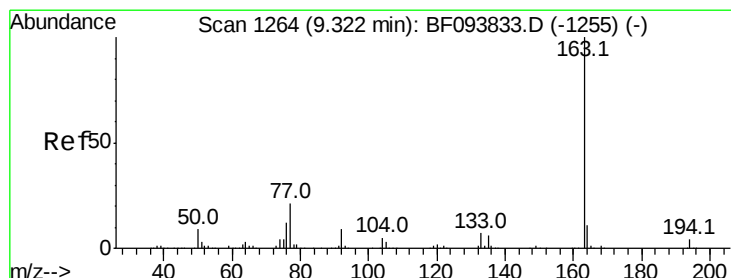
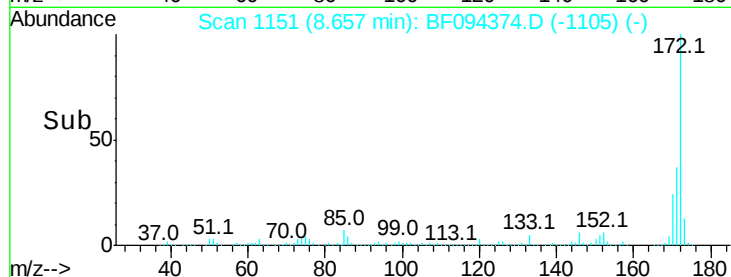
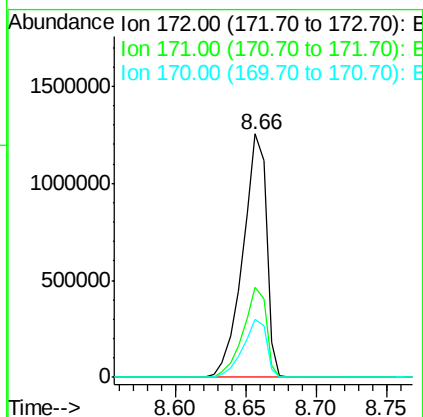
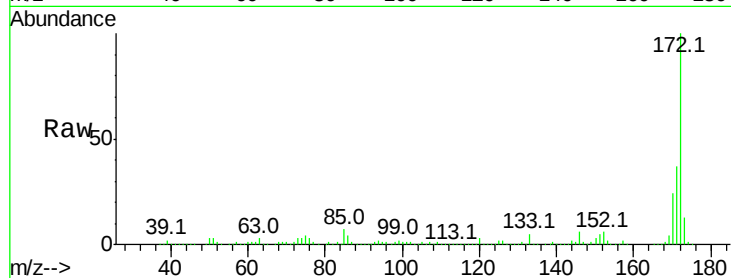




#44
2-Fluorobiphenyl
Concen: 94.94 ng
RT: 8.66 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF094374.D
Acq: 12 Apr 2017 2:18

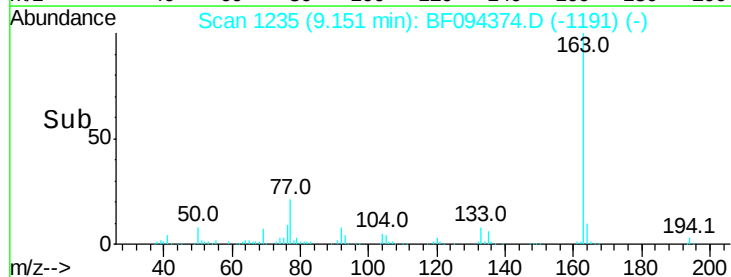
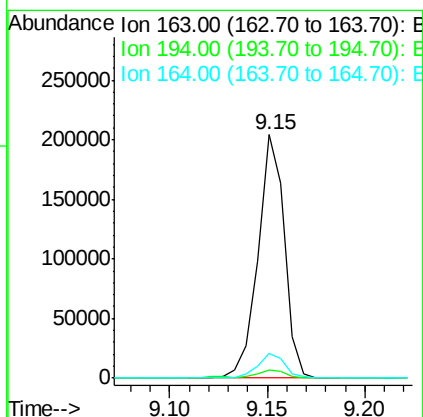
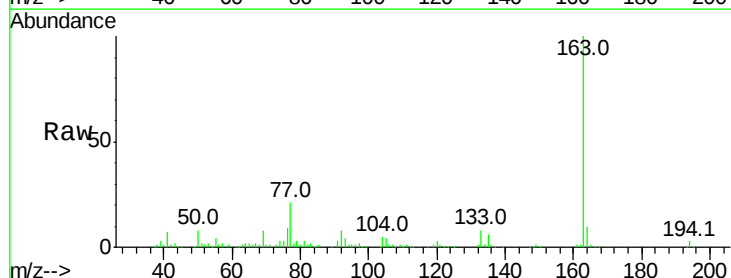
Instrument :
BNA_F
ClientSampleId :

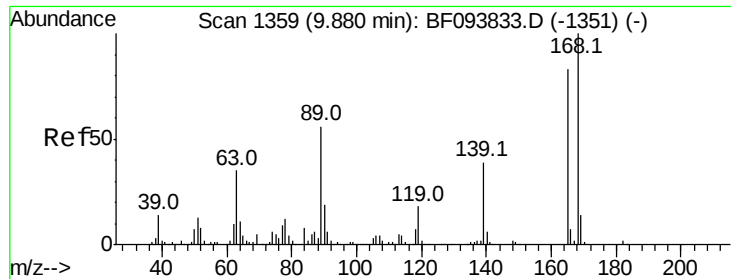
Tot Ion:172 Resp: 1467391
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 23.9 19.8 29.8



#49
Dimethylphthalate
Concen: 11.32 ng
RT: 9.15 min Scan# 1235
Delta R.T. -0.04 min
Lab File: BF094374.D
Acq: 12 Apr 2017 2:18

Tgt Ion:163 Resp: 189772
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.0 8.4 12.6

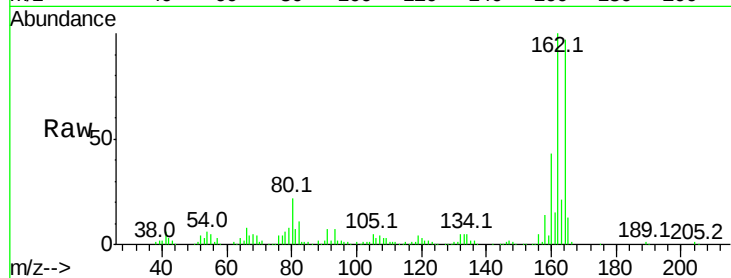




#56
 2,4-Dinitrotoluene
 Concen: 6.39 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. -0.28 min
 Lab File: BF094374.D
 Acq: 12 Apr 2017 2:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.9	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#

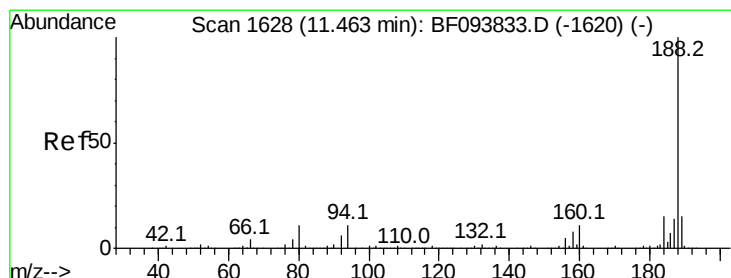
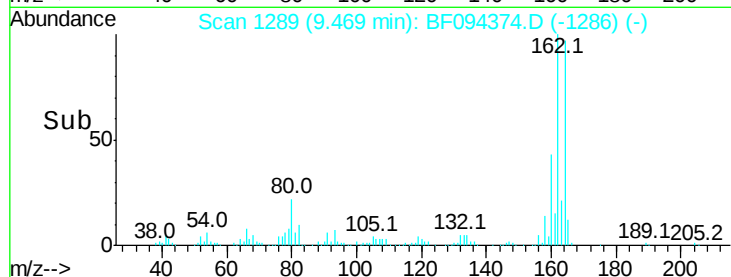
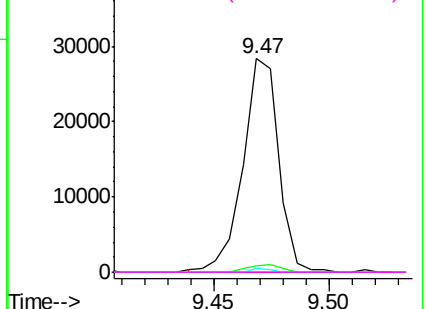


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

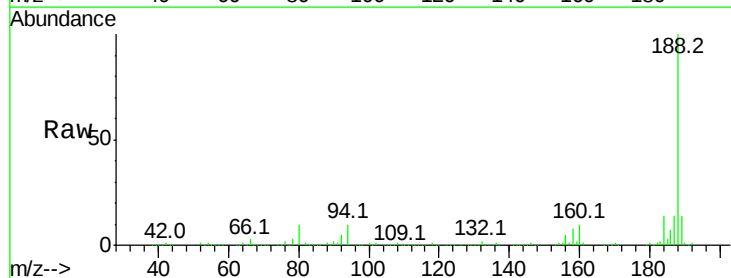
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1600
 Delta R.T. -0.02 min
 Lab File: BF094374.D
 Acq: 12 Apr 2017 2:18

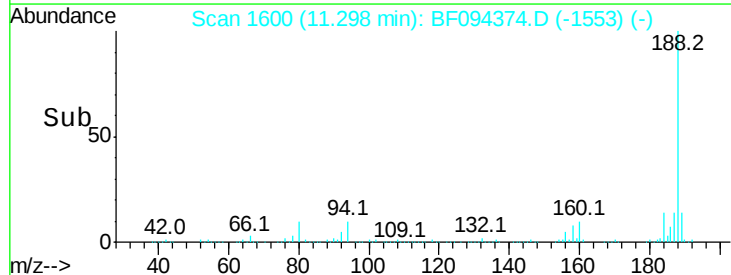
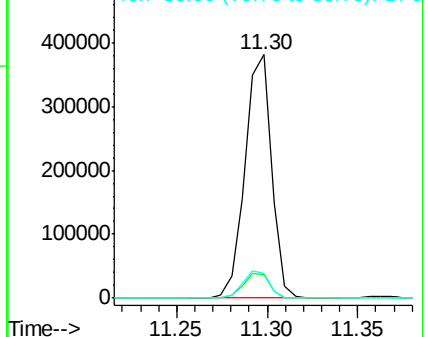
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.4	14.2
80	10.3	10.2	15.2

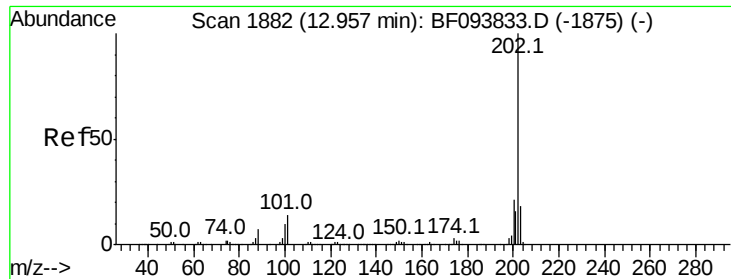


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.05 ng

RT: 12.79 min Scan# 1853

Delta R.T. -0.03 min

Lab File: BF094374.D

Acq: 12 Apr 2017 2:18

Instrument :

BNA_F

ClientSampleId :

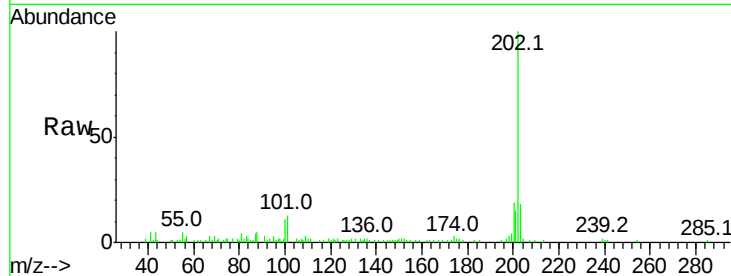
Tot Ion:202 Resp: 45120

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.2

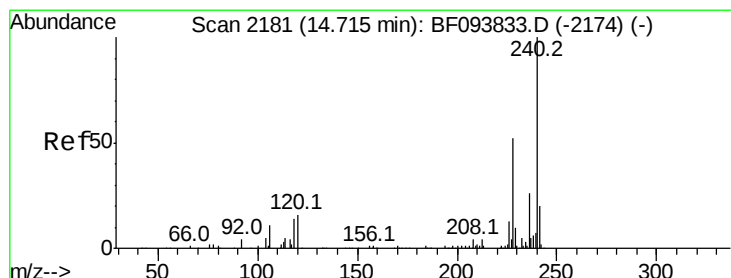
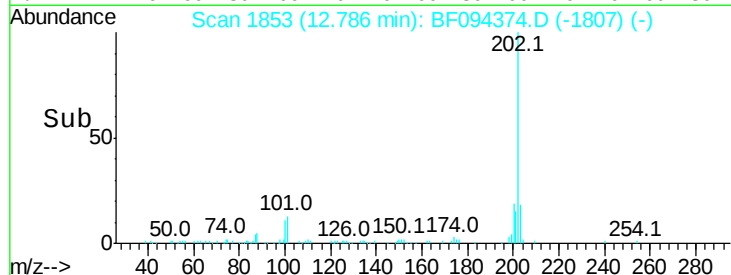
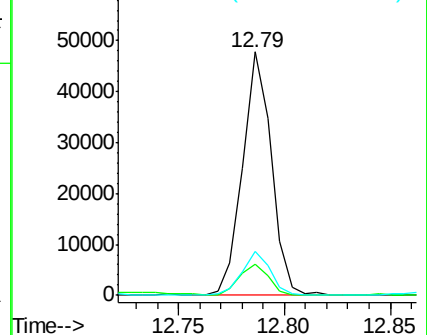
203 18.2 0.0 38.1



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: 14.55 min Scan# 2153

Delta R.T. -0.02 min

Lab File: BF094374.D

Acq: 12 Apr 2017 2:18

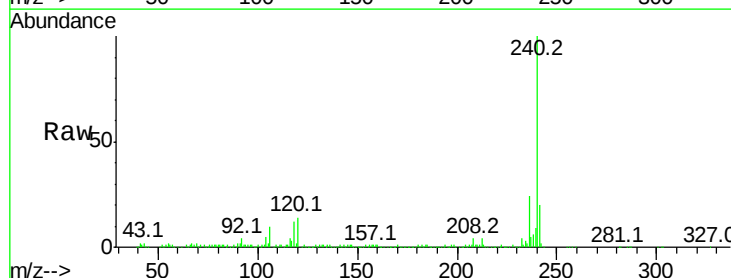
Tgt Ion:240 Resp: 297018

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

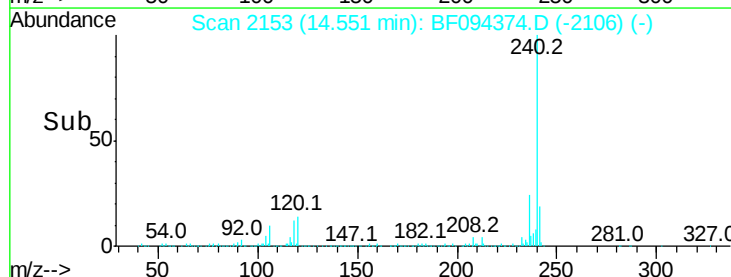
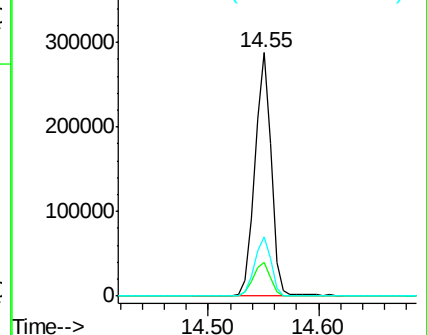
236 24.3 20.5 30.7

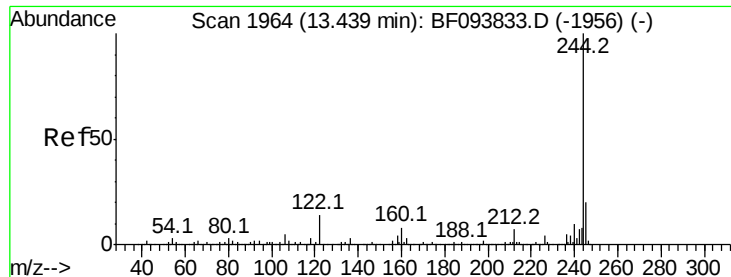


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 71.95 ng

RT: 13.28 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BF094374.D

Acq: 12 Apr 2017 2:18

Instrument :

BNA_F

ClientSampleId :

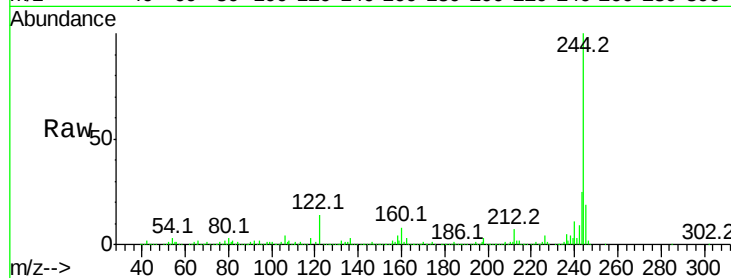
Tot Ion:244 Resp: 953384

Ion Ratio Lower Upper

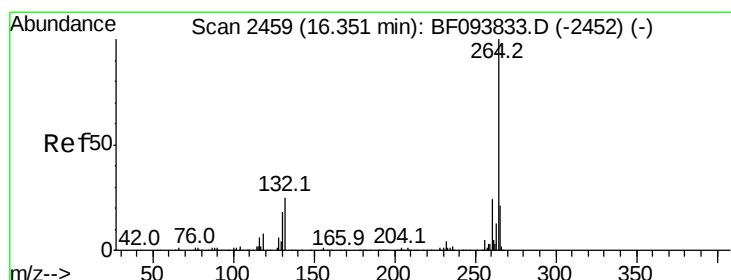
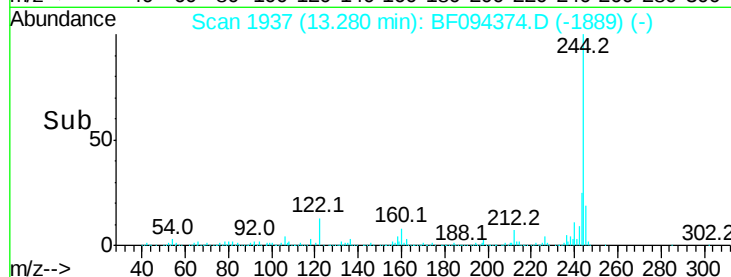
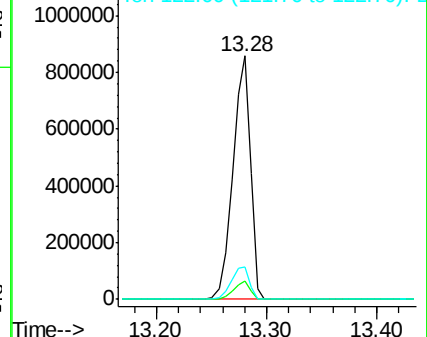
244 100

212 7.4 6.0 9.0

122 13.5 10.3 15.5



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: 16.18 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BF094374.D

Acq: 12 Apr 2017 2:18

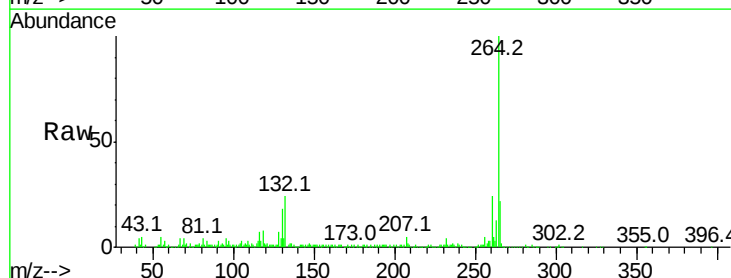
Tgt Ion:264 Resp: 227144

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 22.2 17.2 25.8



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

