

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031016\
 Data File : BF085339.D
 Acq On : 10 Mar 2016 18:04
 Operator : UM/SJ
 Sample : H1719-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 10 23:54:43 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

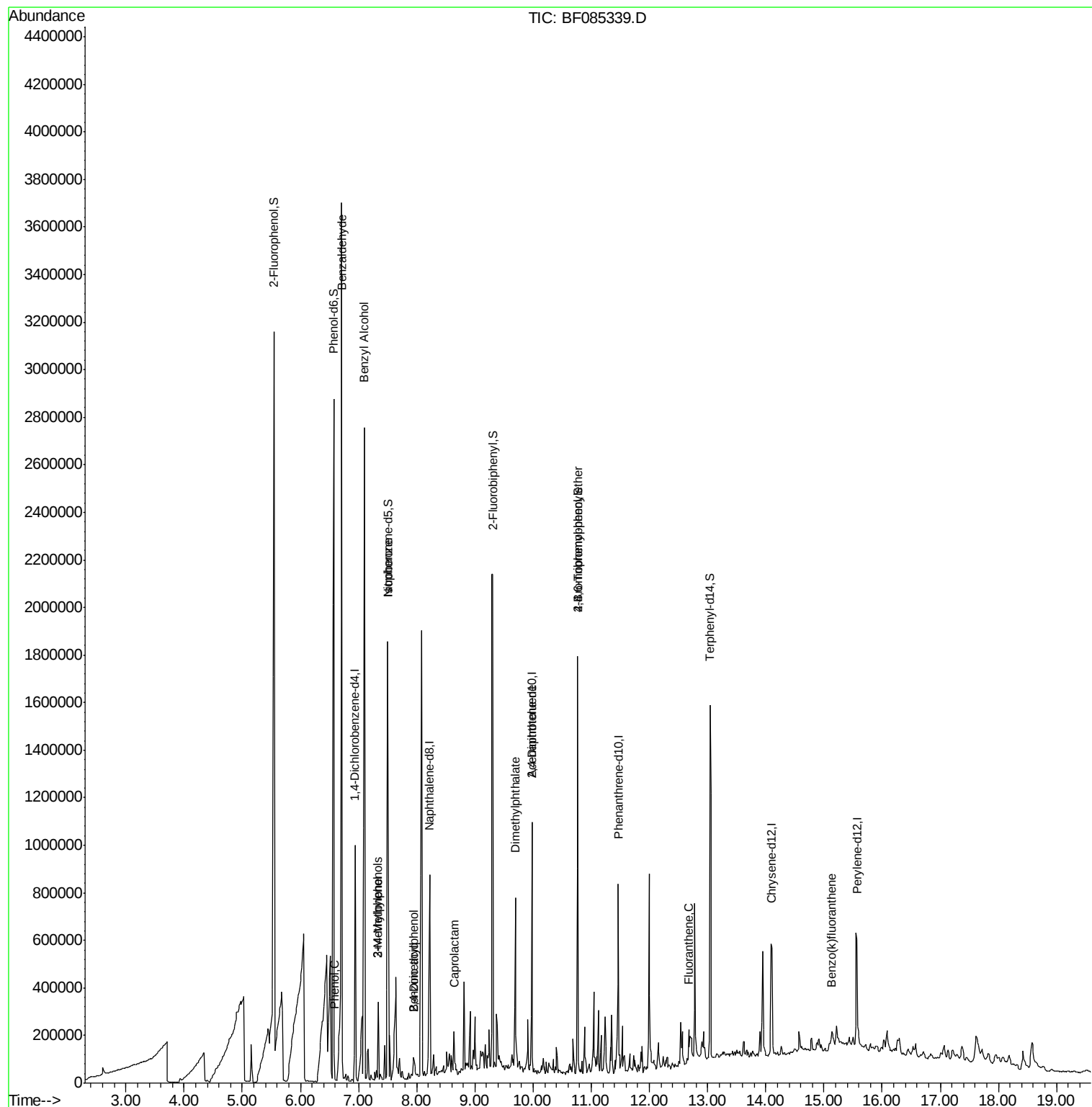
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	134973	20.00	ng	-0.05
21) Naphthalene-d8	8.22	136	512418	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	194795	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	314830	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	221559	20.00	ng	-0.05
86) Perylene-d12	15.57	264	270877	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	957804	119.03	ng	-0.03
7) Phenol-d6	6.57	99	1404402	133.22	ng	-0.03
23) Nitrobenzene-d5	7.50	82	746763	77.98	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	246482	147.88	ng	-0.05
44) 2-Fluorobiphenyl	9.30	172	1032410	80.60	ng	-0.05
78) Terphenyl-d14	13.04	244	619133	64.87	ng	-0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.71	77	24204	2.06	ng	84
10) Phenol	6.58	94	35318	3.13	ng	84
15) Benzyl Alcohol	7.10	79	15591	2.01	ng	# 46
17) 2-Methylphenol	7.34	107	73971	9.36	ng	# 72
20) 3+4-Methylphenols	7.34	107	73973	7.90	ng	# 75
25) Isophorone	7.50	82	655458	36.94	ng	# 67
27) 2,4-Dimethylphenol	7.94	122	24389	2.82	ng	# 6
32) Benzoic acid	7.94	122	24389	4.24	ng	93
35) Caprolactam	8.64	113	4747	2.08	ng	# 1
49) Dimethylphthalate	9.69	163	268485	17.96	ng	99
56) 2,4-Dinitrotoluene	9.98	165	26369	6.44	ng	# 22
66) 4-Bromophenyl-phenylether	10.77	248	17274	5.65	ng	# 1
74) Fluoranthene	12.68	202	39551	2.39	ng	98
88) Benzo(k)fluoranthene	15.13	252	31421	2.16	ng	# 90

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

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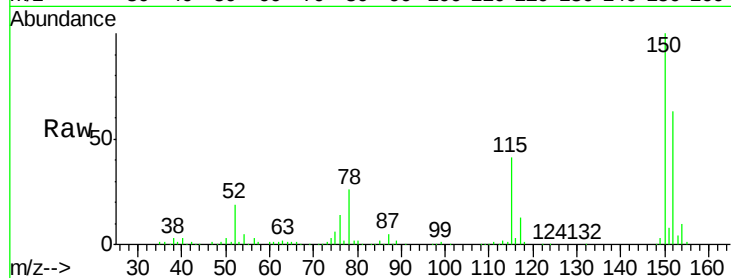




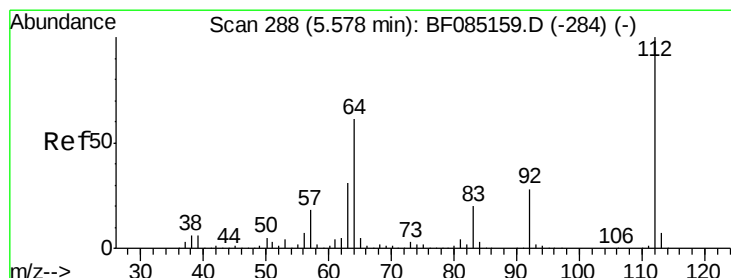
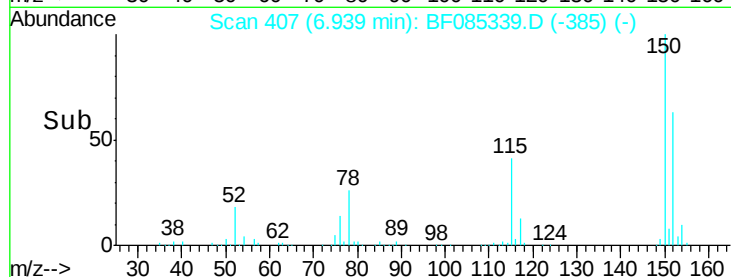
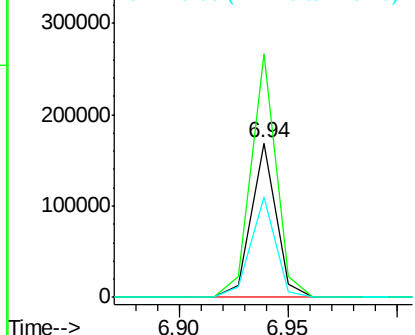
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.94 min Scan# 407
 Delta R.T. -0.05 min
 Lab File: BF085339.D
 Acq: 10 Mar 2016 18:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 134973
 Ion Ratio Lower Upper
 152 100
 150 157.8 124.6 186.8
 115 65.1 46.6 70.0

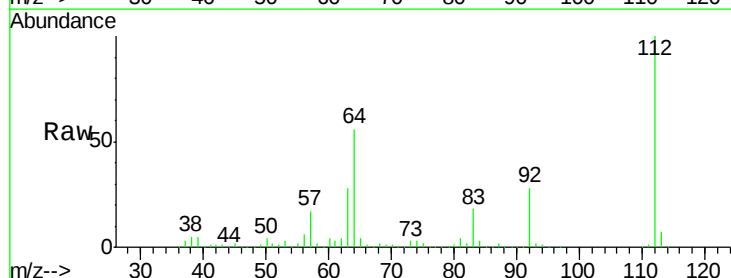


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

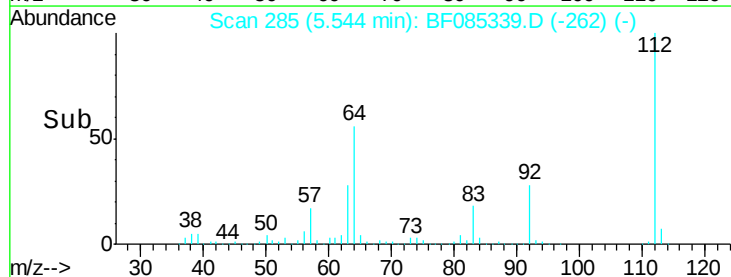
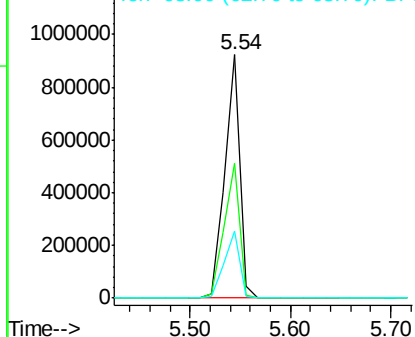


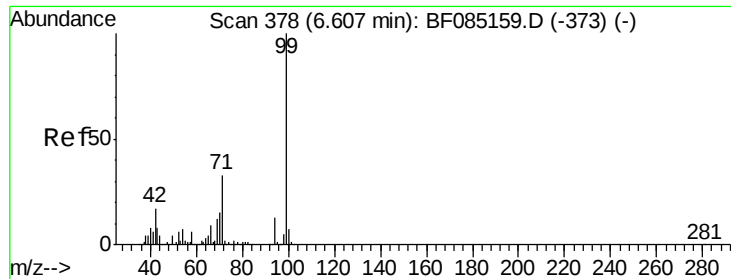
#5
 2-Fluorophenol
 Concen: 119.03 ng
 RT: 5.54 min Scan# 285
 Delta R.T. -0.03 min
 Lab File: BF085339.D
 Acq: 10 Mar 2016 18:04

Tgt Ion:112 Resp: 957804
 Ion Ratio Lower Upper
 112 100
 64 55.5 49.0 73.4
 63 27.6 24.8 37.2



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: 133.22 ng

RT: 6.57 min Scan# 375

Delta R.T. -0.03 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

Instrument :

BNA_F

ClientSampled :

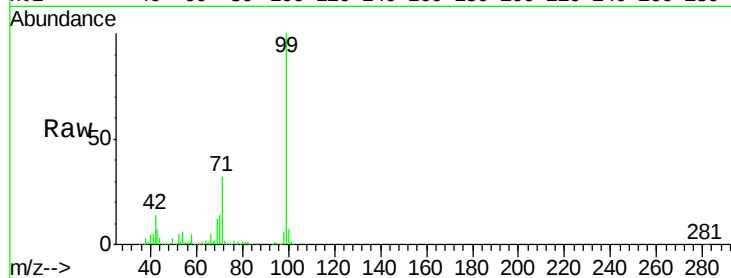
Tot Ion: 99 Resp: 1404402

Ion Ratio Lower Upper

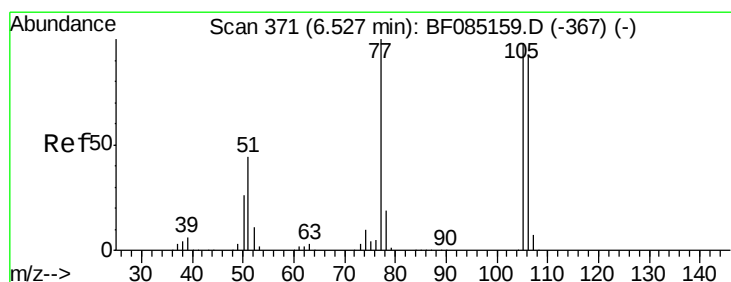
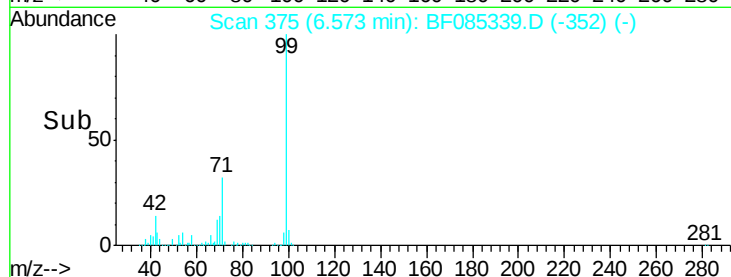
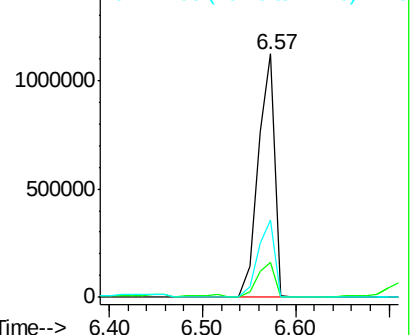
99 100

42 14.2 13.6 20.4

71 32.0 26.7 40.1



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: 2.06 ng

RT: 6.71 min Scan# 387

Delta R.T. 0.18 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

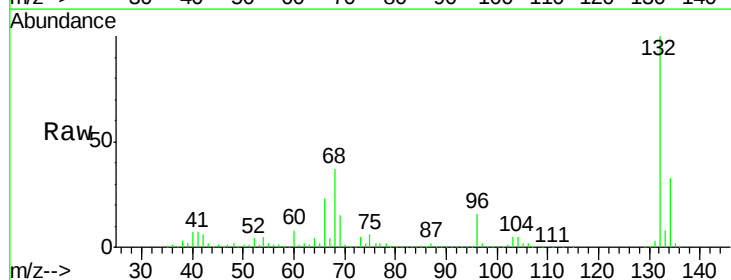
Tgt Ion: 77 Resp: 24204

Ion Ratio Lower Upper

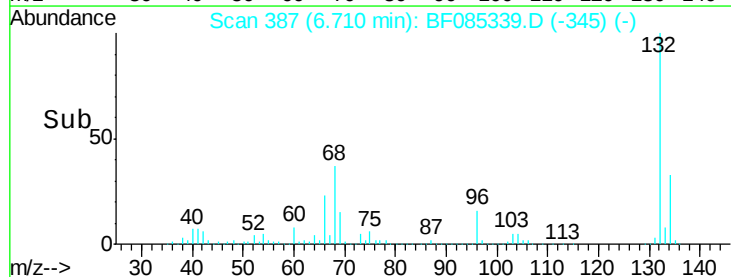
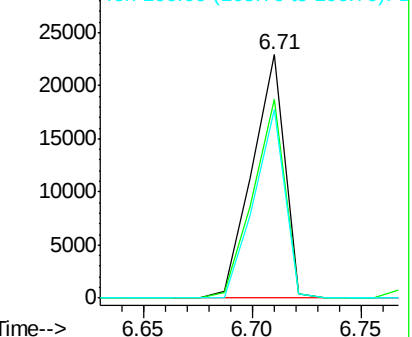
77 100

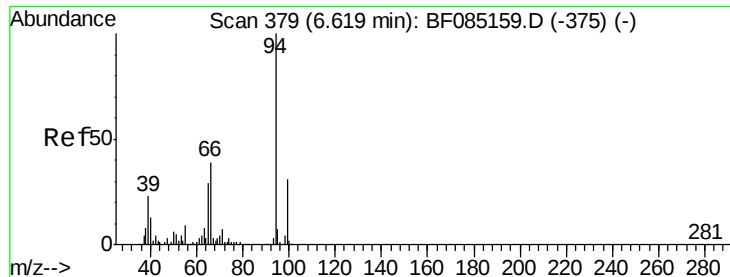
105 81.7 78.2 118.2

106 77.3 72.9 112.9



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





#10

Phenol

Concen: 3.13 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

Instrument :

BNA_F

ClientSampleId :

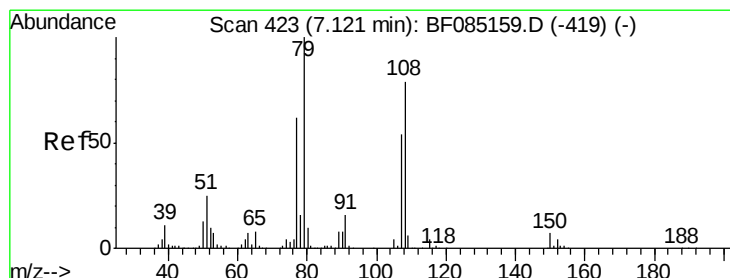
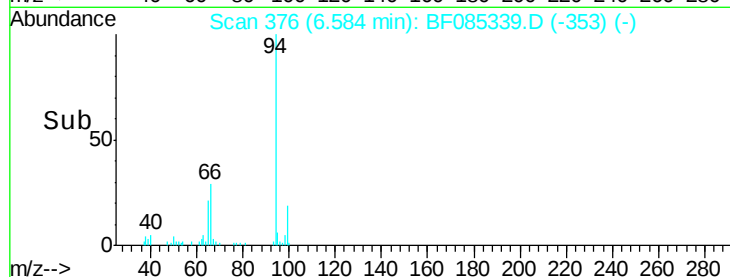
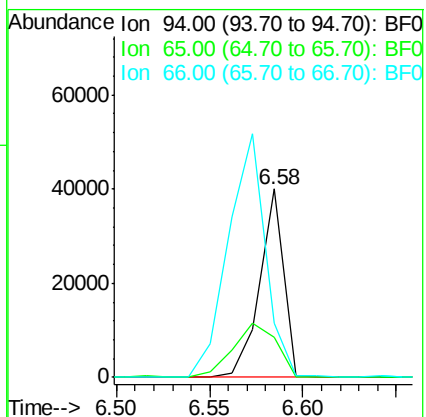
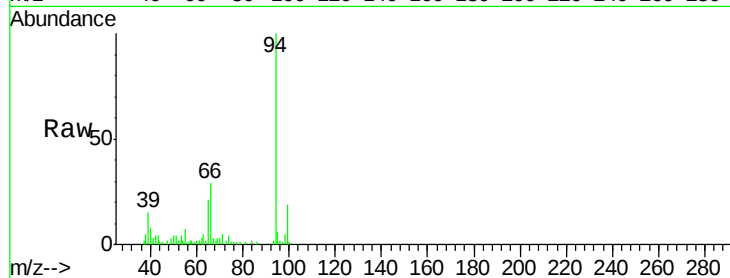
Tot Ion: 94 Resp: 35318

Ion Ratio Lower Upper

94 100

65 21.4 9.1 49.1

66 28.6 19.3 59.3



#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 7.10 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

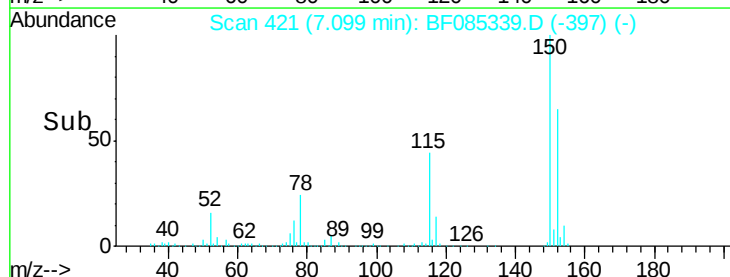
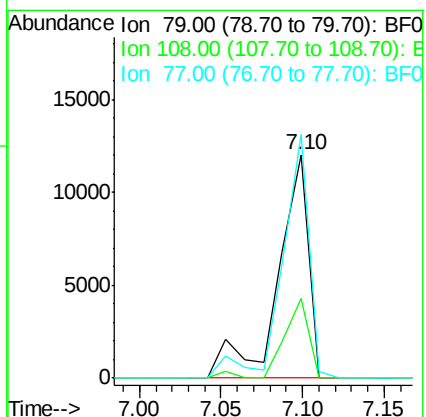
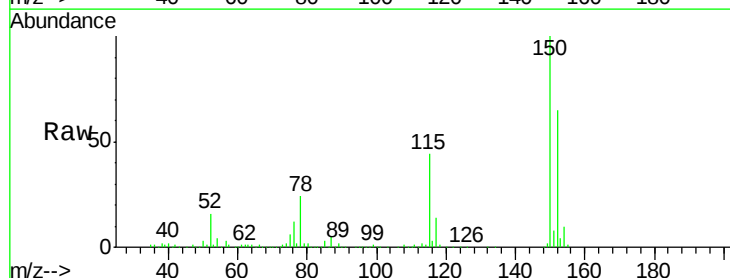
Tgt Ion: 79 Resp: 15591

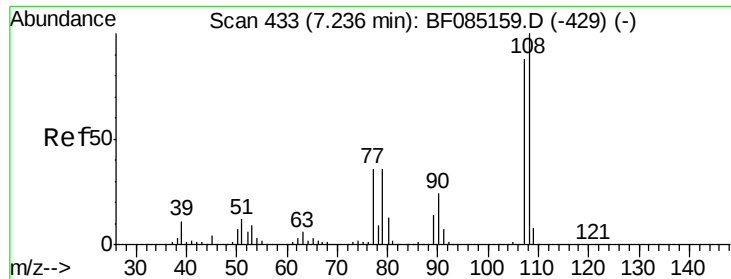
Ion Ratio Lower Upper

79 100

108 35.9 62.9 94.3#

77 109.0 49.5 74.3#

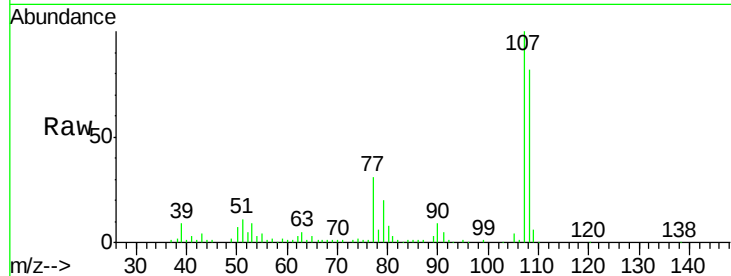




#17
2-Methylphenol
Concen: 9.36 ng
RT: 7.34 min Scan# 442
Delta R.T. 0.10 min
Lab File: BF085339.D
Acq: 10 Mar 2016 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
108	81.9	90.9	136.3#
77	30.6	32.6	48.8#
79	20.0	32.8	49.2#



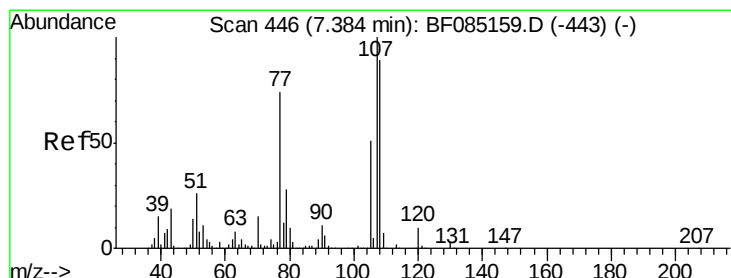
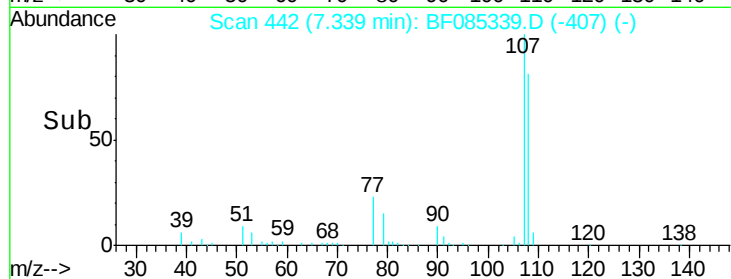
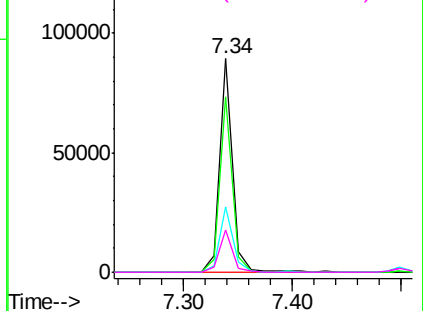
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#20
3+4-Methylphenols
Concen: 7.90 ng
RT: 7.34 min Scan# 442
Delta R.T. -0.05 min
Lab File: BF085339.D
Acq: 10 Mar 2016 18:04

Tgt Ion	Ratio	Lower	Upper
107	100		
108	81.9	68.8	108.8
77	30.6	53.6	93.6#
79	20.0	8.0	48.0

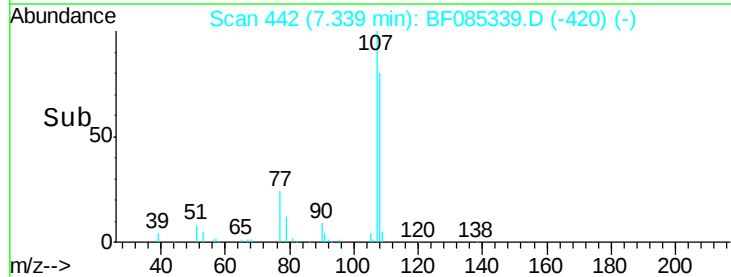
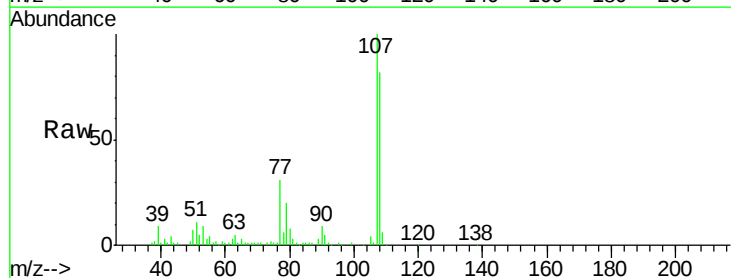
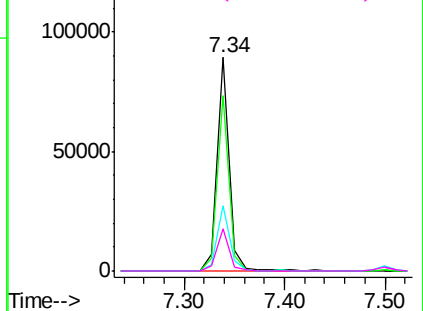
Abundance

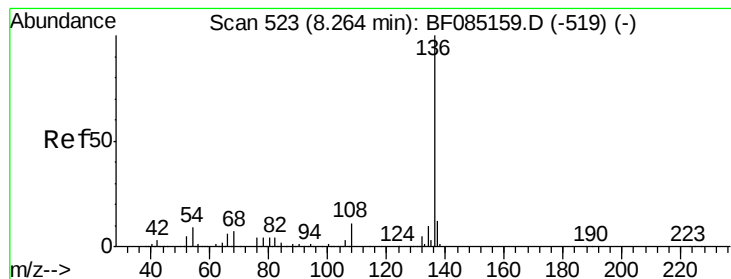
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 512418

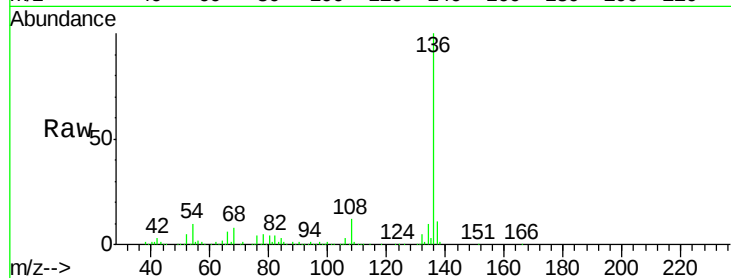
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 9.7 7.4 11.2

68 7.9 6.0 9.0

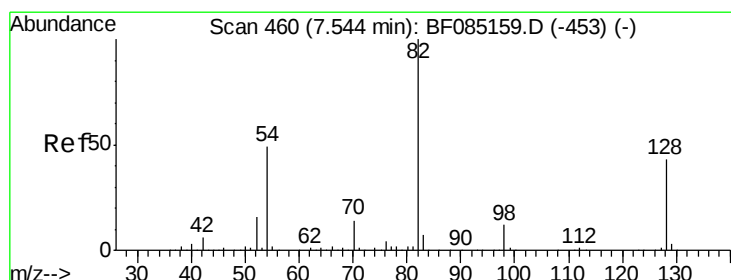
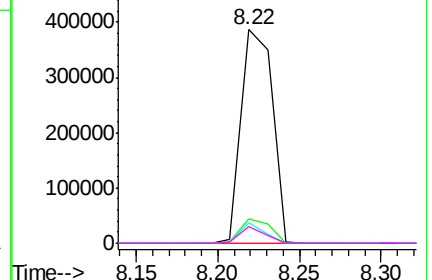
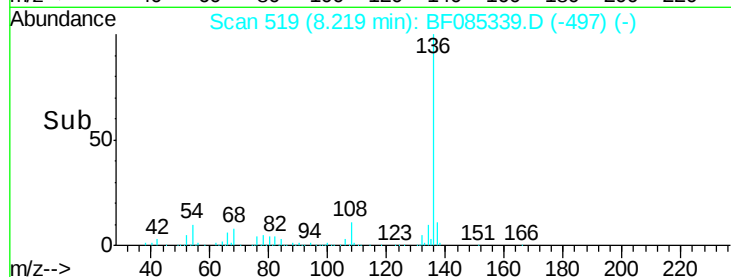


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 77.98 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

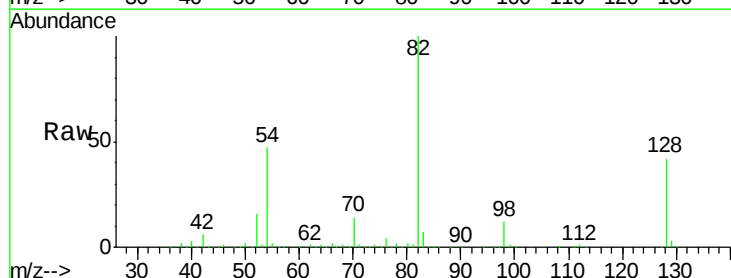
Tgt Ion: 82 Resp: 746763

Ion Ratio Lower Upper

82 100

128 42.4 34.5 51.7

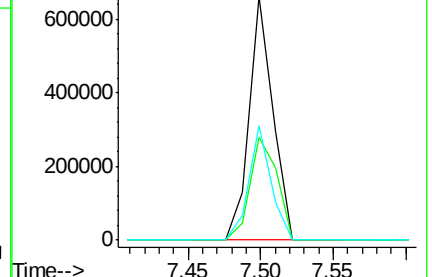
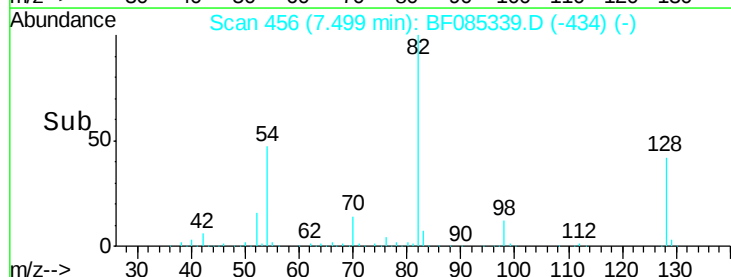
54 47.2 39.3 58.9

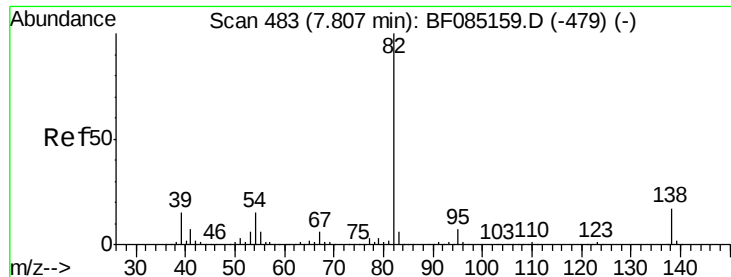


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 36.94 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.31 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

Instrument :

BNA_F

ClientSampled :

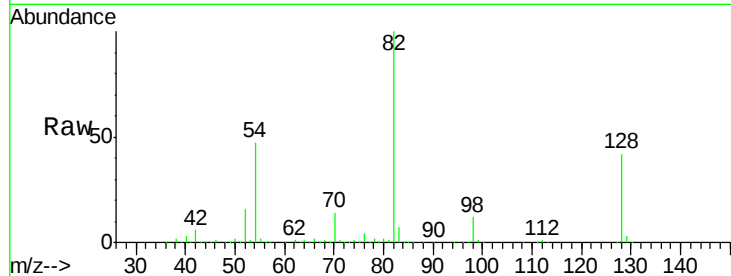
Tot Ion: 82 Resp: 655458

Ion Ratio Lower Upper

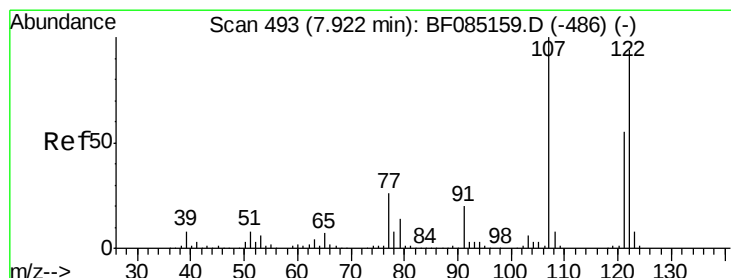
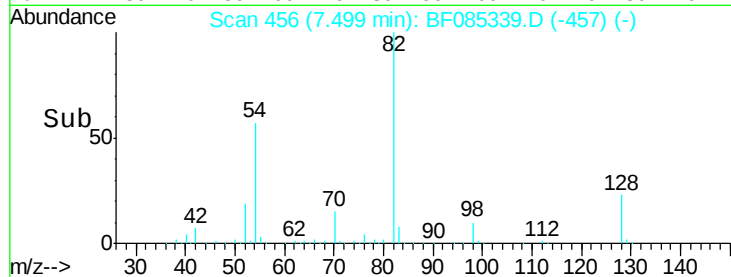
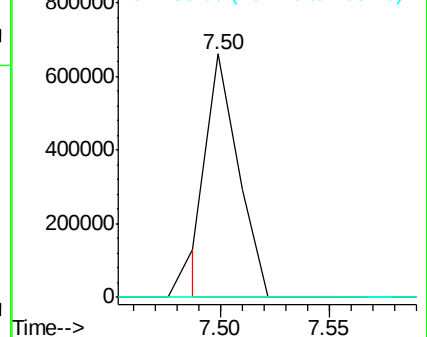
82 100

95 0.0 5.4 8.2#

138 0.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#27

2,4-Dimethylphenol

Concen: 2.82 ng

RT: 7.94 min Scan# 495

Delta R.T. 0.02 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

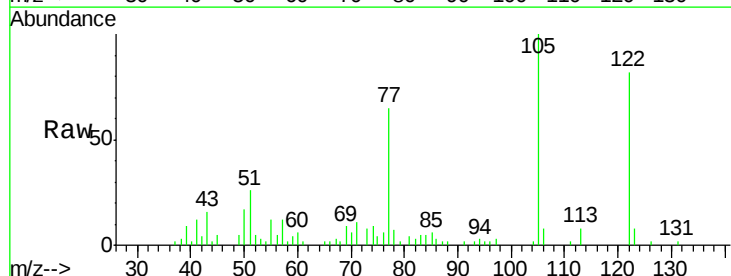
Tgt Ion: 122 Resp: 24389

Ion Ratio Lower Upper

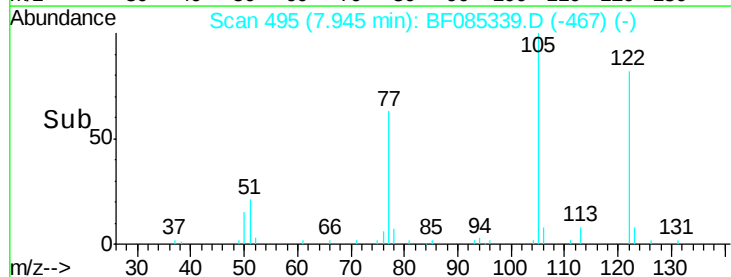
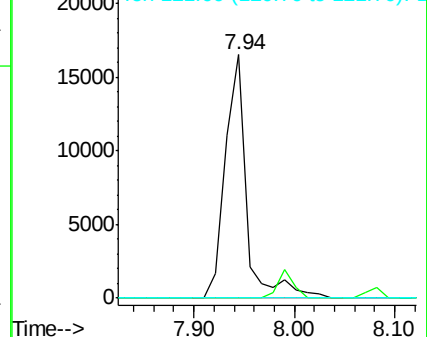
122 100

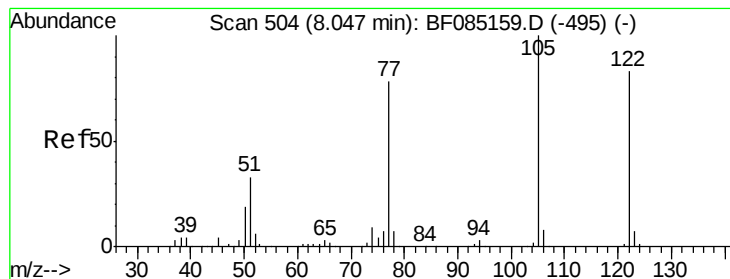
107 0.0 84.8 127.2#

121 0.0 47.0 70.6#



Abundance Ion 122.00 (121.70 to 122.70): BF0
Ion 107.00 (106.70 to 107.70): BF0
Ion 121.00 (120.70 to 121.70): BF0





#32

Benzoic acid

Concen: 4.24 ng

RT: 7.94 min Scan# 495

Delta R.T. -0.10 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

Instrument :

BNA_F

ClientSampleId :

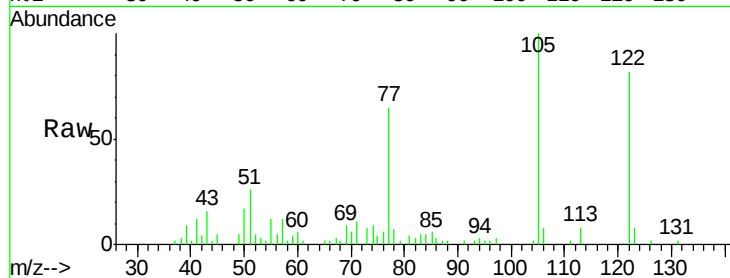
Tot Ion:122 Resp: 24389

Ion Ratio Lower Upper

122 100

105 121.4 101.3 141.3

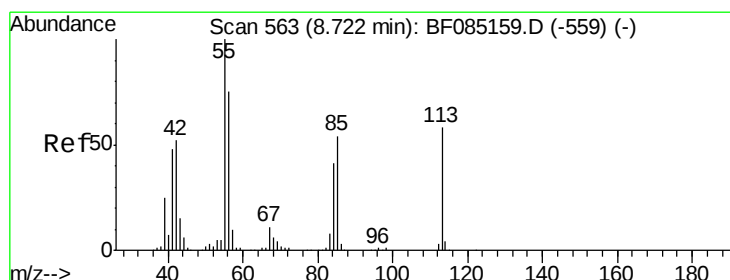
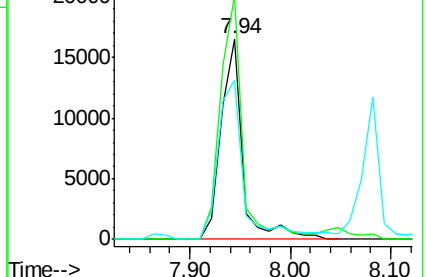
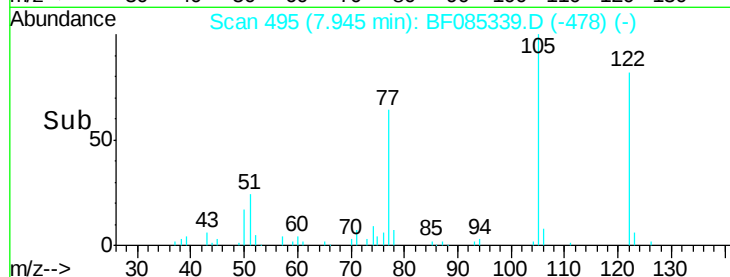
77 79.5 74.7 114.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#35

Caprolactam

Concen: 2.08 ng

RT: 8.64 min Scan# 556

Delta R.T. -0.08 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

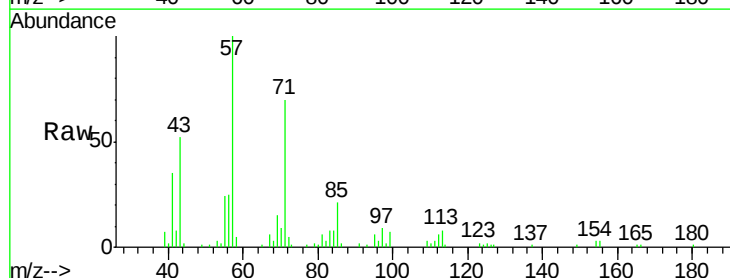
Tgt Ion:113 Resp: 4747

Ion Ratio Lower Upper

113 100

55 297.5 152.7 192.7#

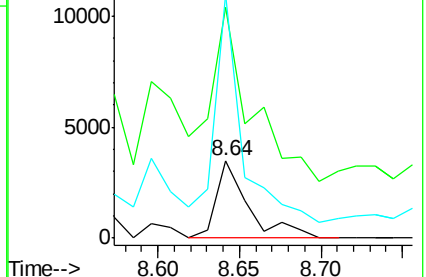
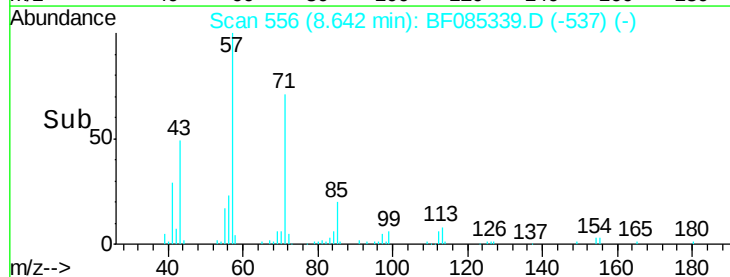
56 314.3 109.0 149.0#

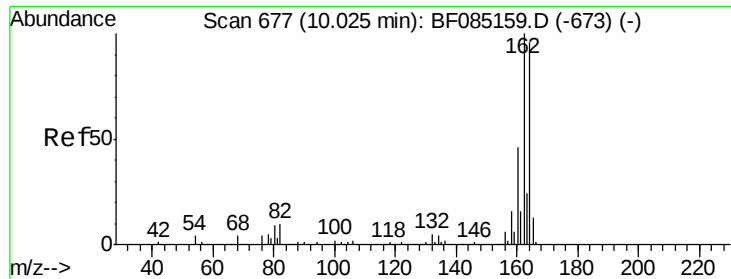


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

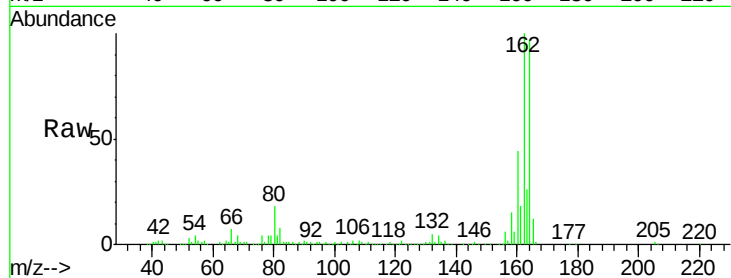




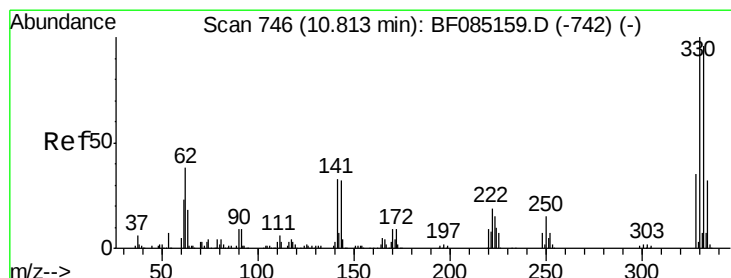
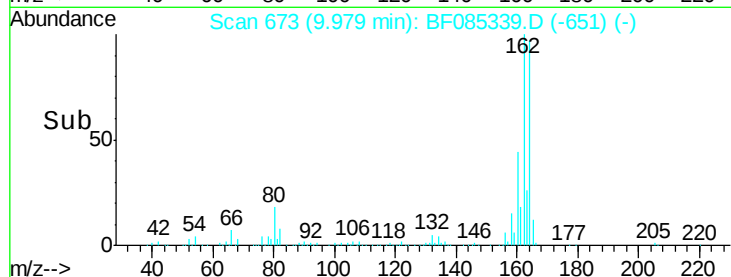
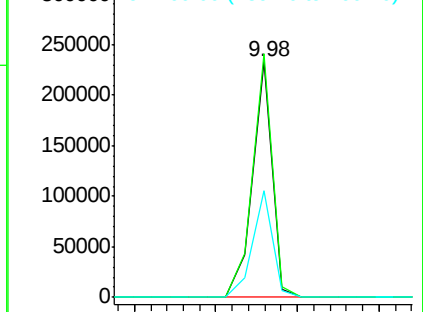
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.98 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF085339.D
Acq: 10 Mar 2016 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 194795
Ion Ratio Lower Upper
164 100
162 103.4 83.3 124.9
160 45.4 37.9 56.9

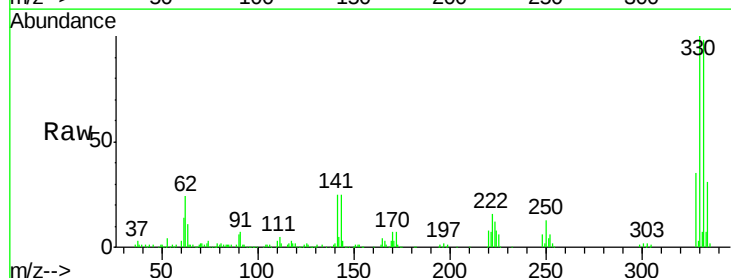


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

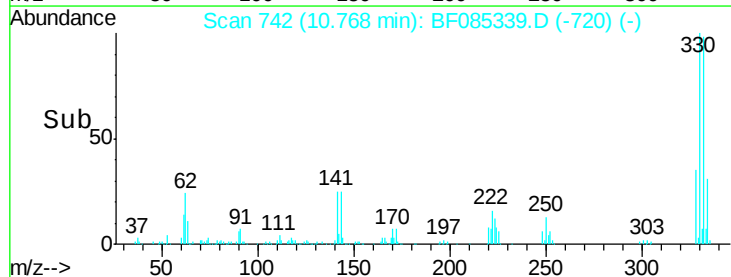
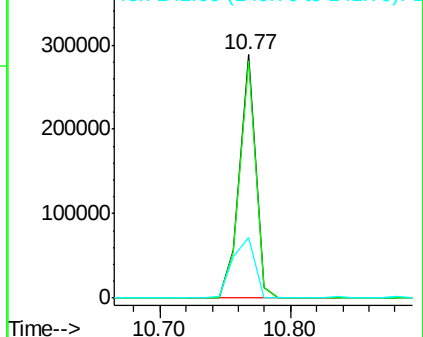


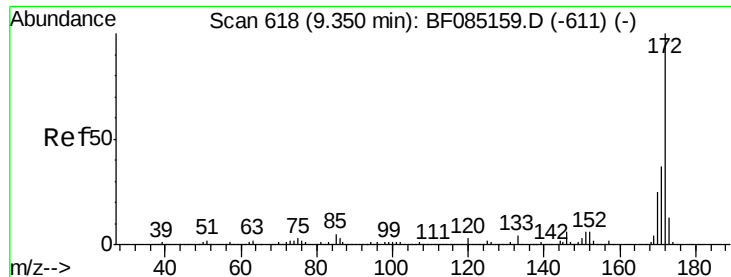
#41
2,4,6-Tribromophenol
Concen: 147.88 ng
RT: 10.77 min Scan# 742
Delta R.T. -0.05 min
Lab File: BF085339.D
Acq: 10 Mar 2016 18:04

Tgt Ion:330 Resp: 246482
Ion Ratio Lower Upper
330 100
332 98.0 77.1 115.7
141 34.5 35.0 52.6#



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

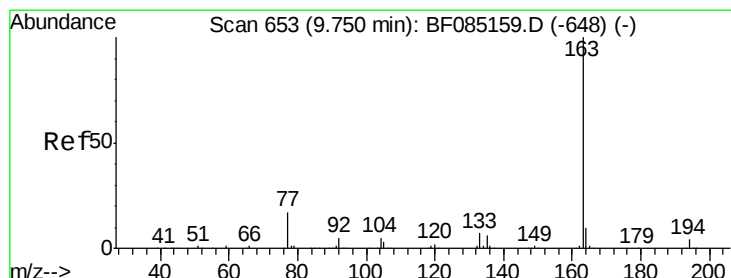
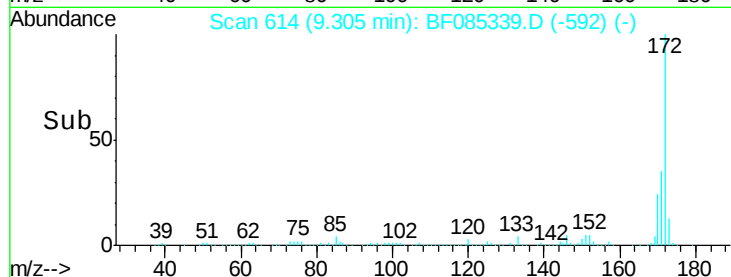
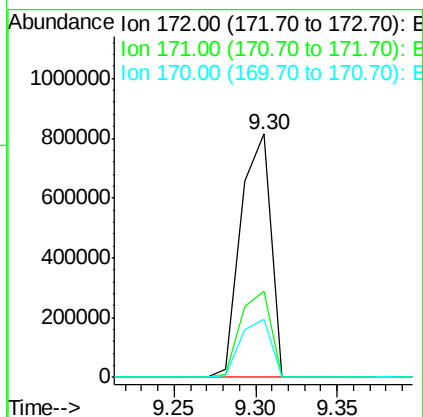
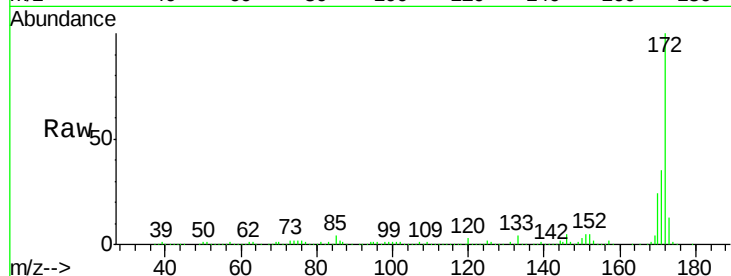




#44
2-Fluorobiphenyl
Concen: 80.60 ng
RT: 9.30 min Scan# 614
Delta R.T. -0.05 min
Lab File: BF085339.D
Acq: 10 Mar 2016 18:04

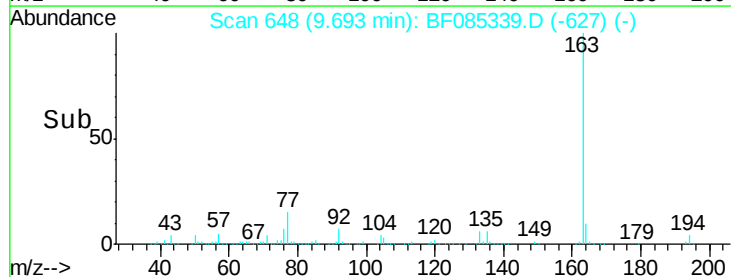
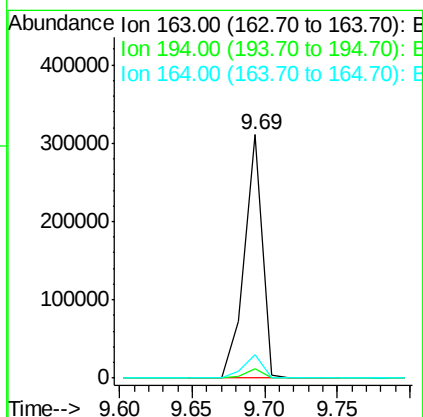
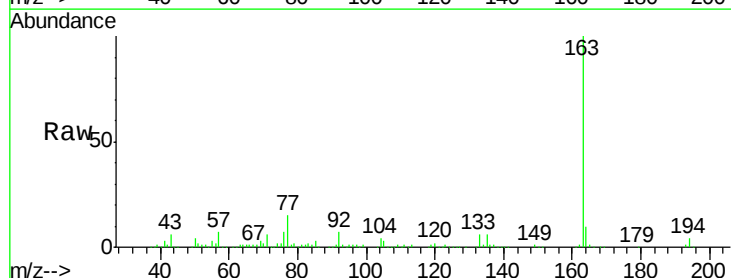
Instrument :
BNA_F
ClientSampleId :

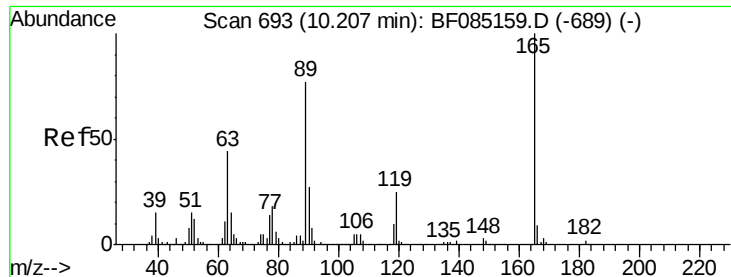
Tot Ion:172 Resp: 1032410
Ion Ratio Lower Upper
172 100
171 35.4 29.3 43.9
170 24.0 20.0 30.0



#49
Dimethylphthalate
Concen: 17.96 ng
RT: 9.69 min Scan# 648
Delta R.T. -0.06 min
Lab File: BF085339.D
Acq: 10 Mar 2016 18:04

Tgt Ion:163 Resp: 268485
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.8 8.2 12.4

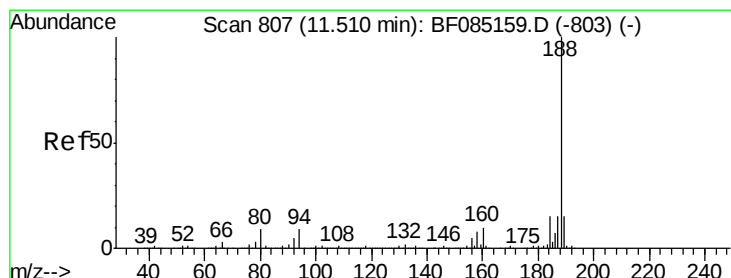
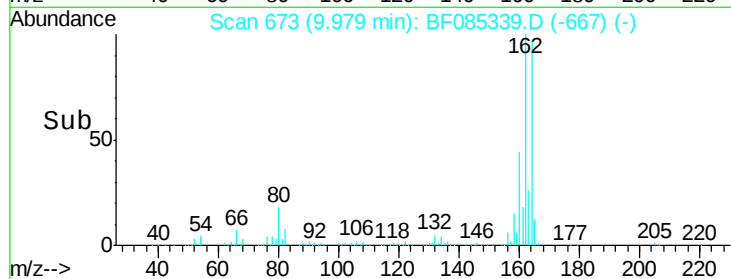
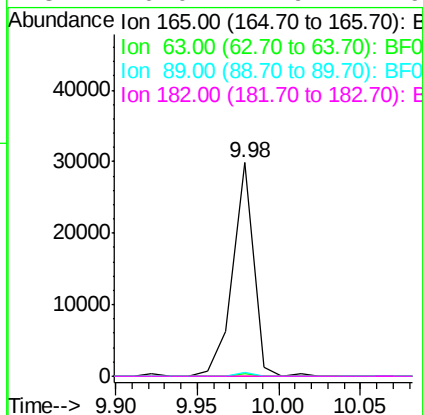
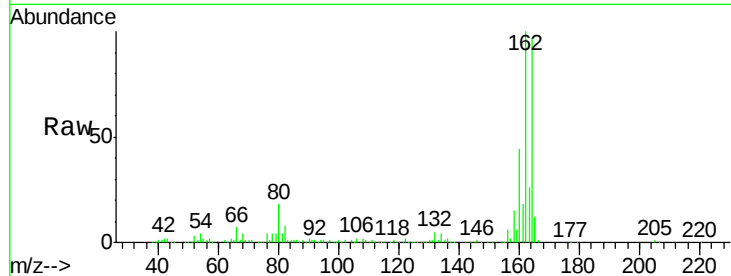




#56
 2,4-Dinitrotoluene
 Concen: 6.44 ng
 RT: 9.98 min Scan# 673
 Delta R.T. -0.23 min
 Lab File: BF085339.D
 Acq: 10 Mar 2016 18:04

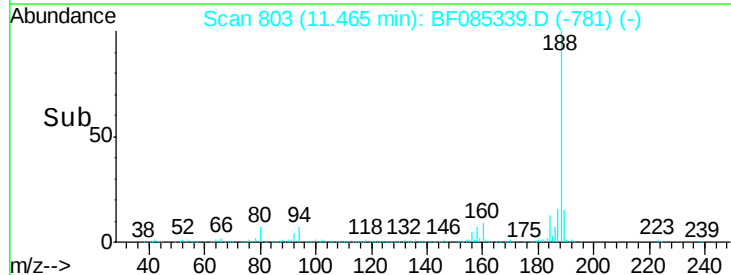
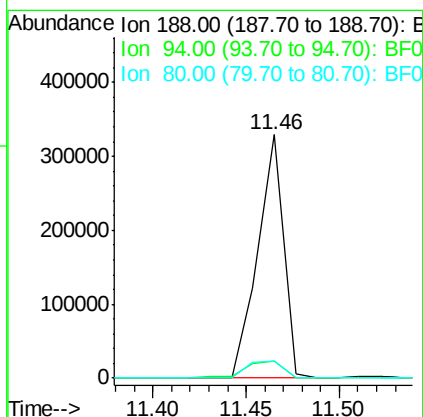
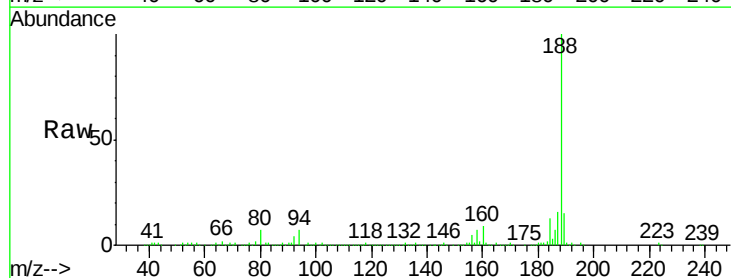
Instrument :
 BNA_F
 ClientSampleId :

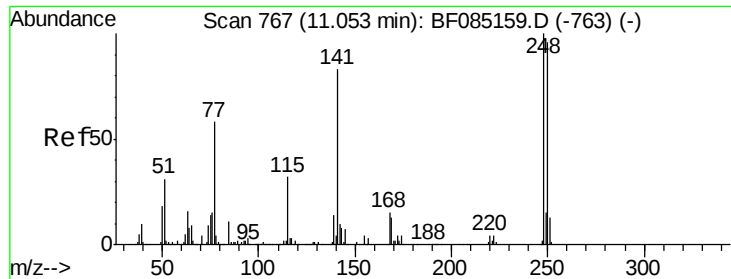
Tot Ion:165	Resp:	26369
Ion Ratio	Lower	Upper
165	100	
63	1.2	35.4 53.0#
89	1.8	61.9 92.9#
182	0.0	1.9 2.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.46 min Scan# 803
 Delta R.T. -0.05 min
 Lab File: BF085339.D
 Acq: 10 Mar 2016 18:04

Tgt Ion:188	Resp:	314830
Ion Ratio	Lower	Upper
188	100	
94	7.0	7.0 10.6#
80	6.9	7.4 11.0#

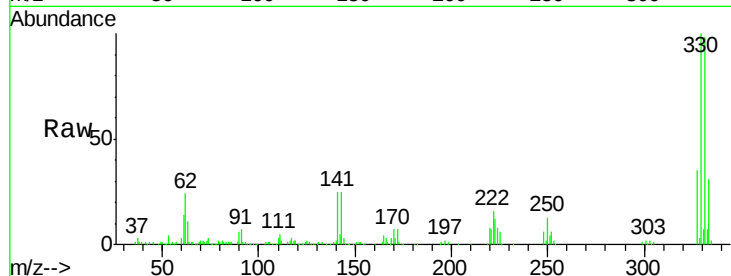




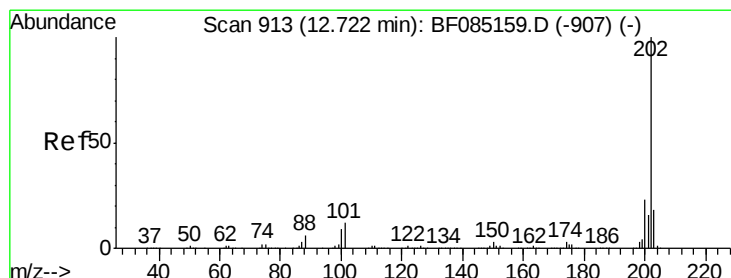
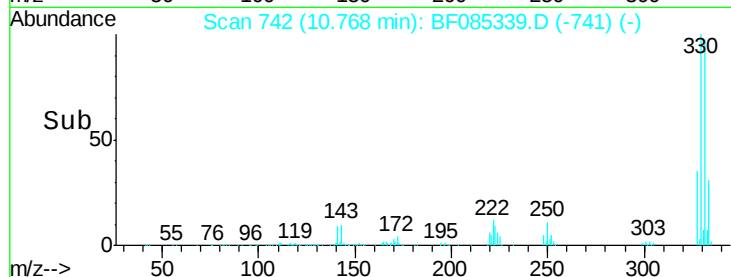
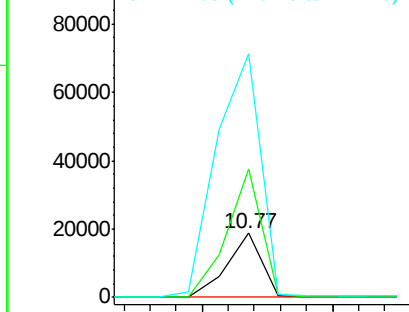
#66
4-Bromophenyl-phenylether
Concen: 5.65 ng
RT: 10.77 min Scan# 742
Delta R.T. -0.29 min
Lab File: BF085339.D
Acq: 10 Mar 2016 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17274
Ion Ratio Lower Upper
248 100
250 200.9 77.1 115.7#
141 380.6 66.2 99.2#

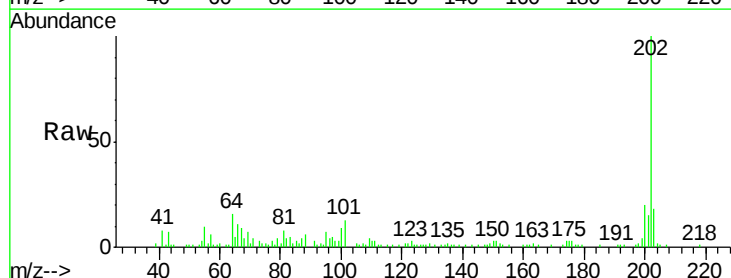


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

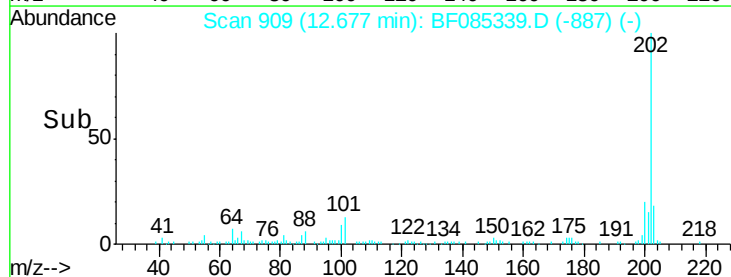
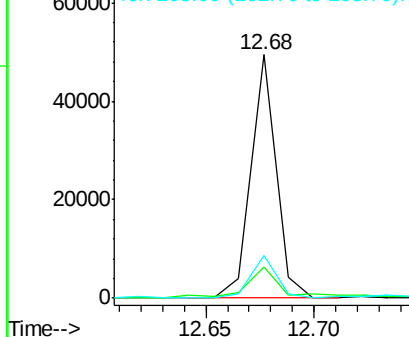


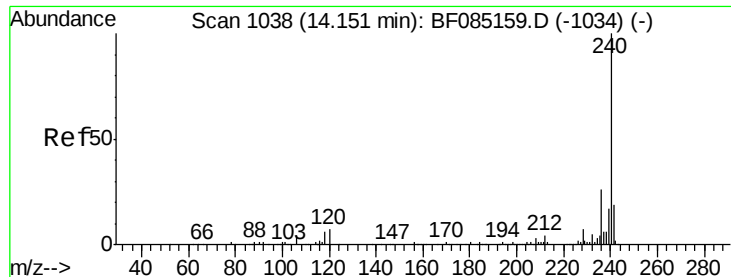
#74
Fluoranthene
Concen: 2.39 ng
RT: 12.68 min Scan# 909
Delta R.T. -0.05 min
Lab File: BF085339.D
Acq: 10 Mar 2016 18:04

Tgt Ion:202 Resp: 39551
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.8
203 17.6 0.0 38.4



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: 14.11 min Scan# 1034

Delta R.T. -0.05 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

Instrument :

BNA_F

ClientSampleId :

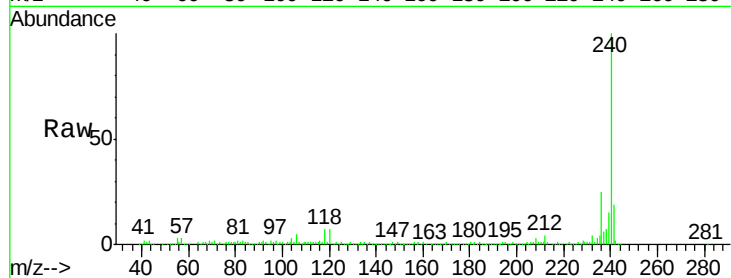
Tot Ion:240 Resp: 221559

Ion Ratio Lower Upper

240 100

120 7.2 5.3 7.9

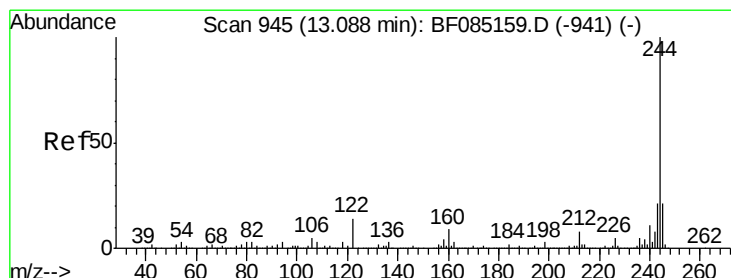
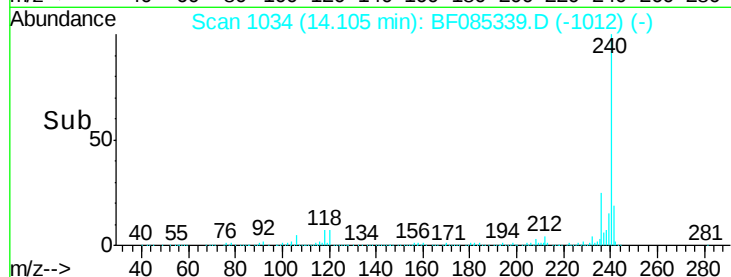
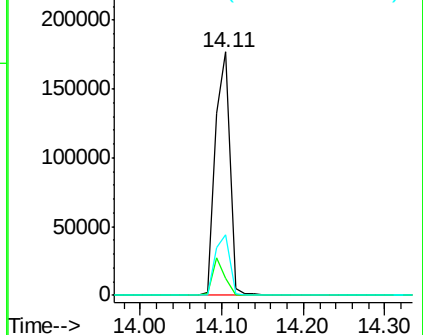
236 25.1 20.7 31.1



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: 64.87 ng

RT: 13.04 min Scan# 941

Delta R.T. -0.05 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

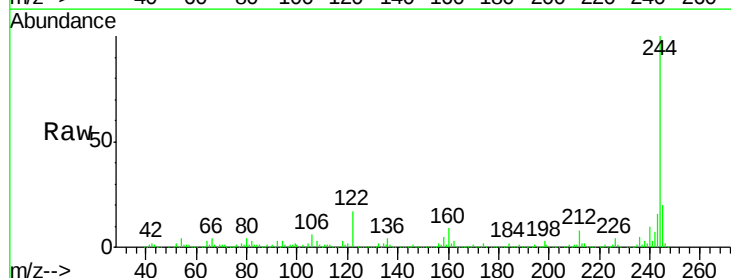
Tgt Ion:244 Resp: 619133

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

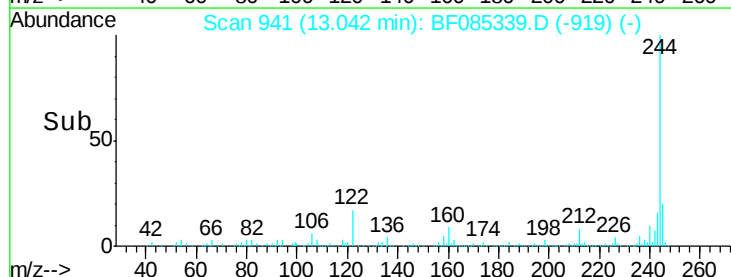
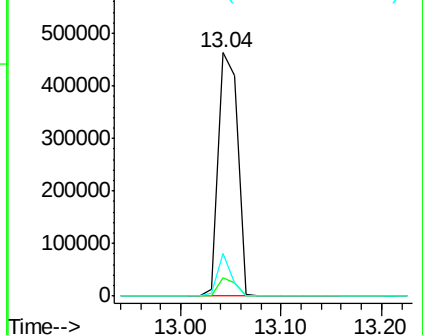
122 17.4 11.4 17.2#

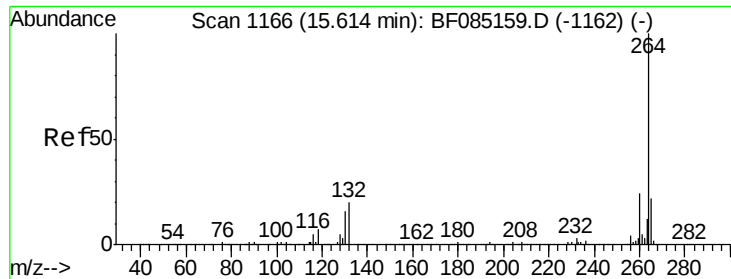


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

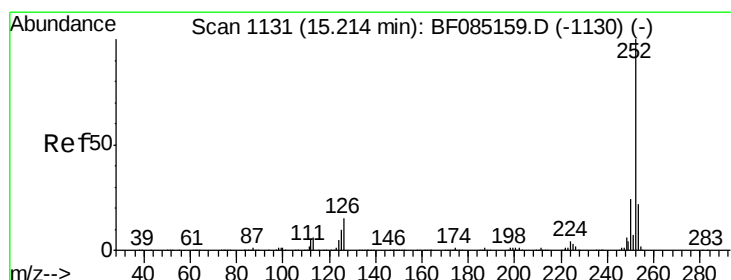
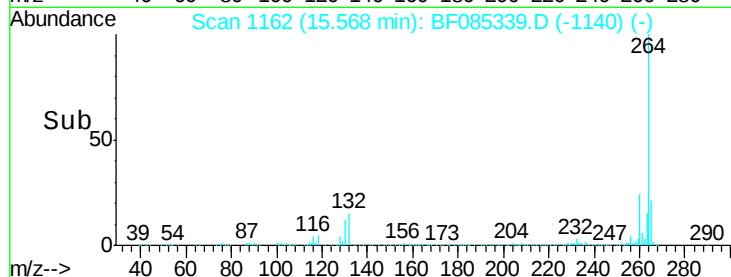
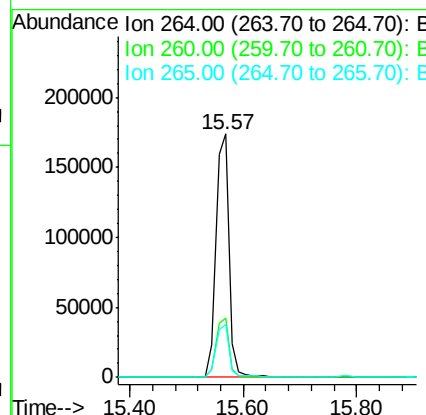
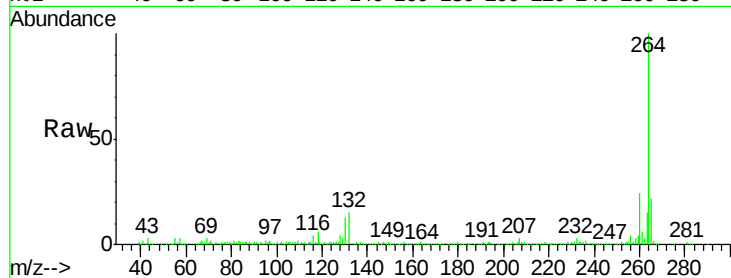




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BF085339.D
Acq: 10 Mar 2016 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 270877
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.6 17.3 25.9



#88
Benzo(k)fluoranthene
Concen: 2.16 ng
RT: 15.13 min Scan# 1124
Delta R.T. -0.08 min
Lab File: BF085339.D
Acq: 10 Mar 2016 18:04

Tgt Ion:252 Resp: 31421
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.6
125 20.1 10.4 15.6#

