

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030416\
 Data File : BF085242.D
 Acq On : 5 Mar 2016 9:34
 Operator : SJ/IZ
 Sample : H1686-01
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 07 00:03:47 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	6.97	152	144308	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	492231	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	191743	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	275835	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	224256	20.00	ng	0.00
86) Perylene-d12	15.61	264	216720	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	1149775	133.65	ng	0.00
7) Phenol-d6	6.60	99	1249168	110.83	ng	-0.01
23) Nitrobenzene-d5	7.53	82	810824	88.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	216672	132.06	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1362311	108.05	ng	-0.01
78) Terphenyl-d14	13.10	244	931654	96.44	ng	0.01

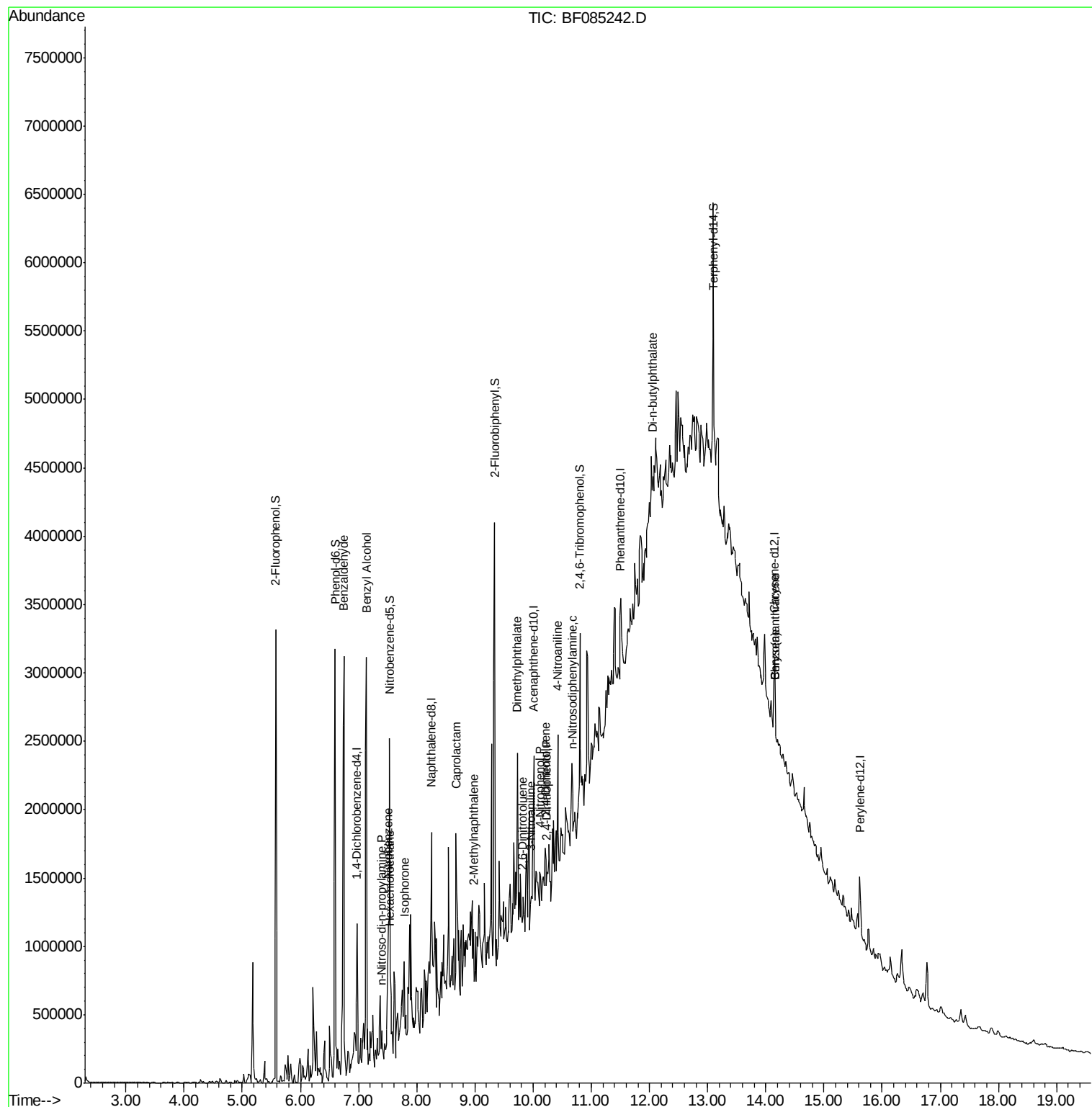
Target Compounds						Qvalue
9) Benzaldehyde	6.74	77	27643	2.36	ng	92
15) Benzyl Alcohol	7.13	79	19503	2.36	ng	# 41
18) Hexachloroethane	7.54	117	81758	19.89	ng	# 13
19) n-Nitroso-di-n-propylamine	7.40	70	15839	2.16	ng	# 66
24) Nitrobenzene	7.51	77	18705	2.00	ng	# 34
25) Isophorone	7.78	82	47267	2.77	ng	# 1
35) Caprolactam	8.68	113	47710	21.80	ng	# 2
37) 2-Methylnaphthalene	8.97	142	126697	8.16	ng	99
49) Dimethylphthalate	9.73	163	87693	5.96	ng	# 77
50) 2,6-Dinitrotoluene	9.82	165	9194	2.92	ng	# 39
52) 3-Nitroaniline	9.97	138	16027	4.25	ng	# 28
53) 2,4-Dinitrophenol	10.23	184	1743	9.01	ng	# 31
55) 4-Nitrophenol	10.12	139	7386	2.50	ng	# 1
56) 2,4-Dinitrotoluene	10.22	165	15981	3.97	ng	# 50
61) 4-Nitroaniline	10.42	138	10882	3.09	ng	87
65) n-Nitrosodiphenylamine	10.68	169	35242	4.11	ng	# 50
73) Di-n-butylphthalate	12.06	149	36668	2.16	ng	# 36
80) Benzo(a)anthracene	14.16	228	27905	2.08	ng	# 21
82) Chrysene	14.16	228	28100	2.27	ng	# 27

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

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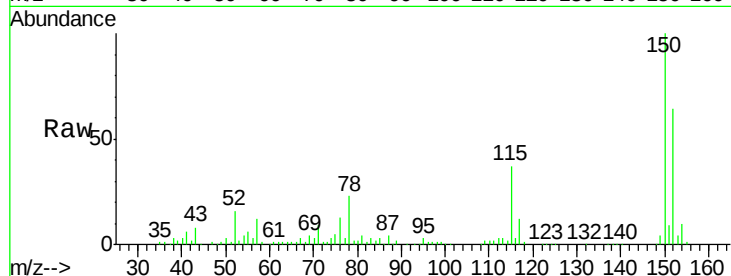




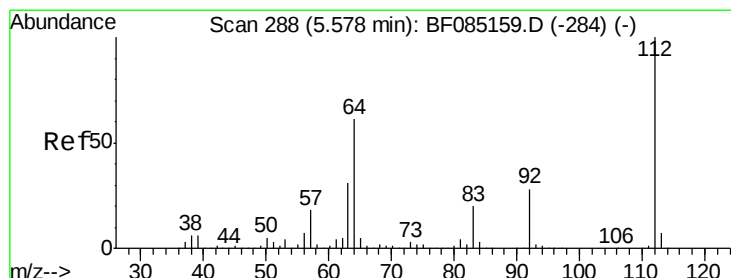
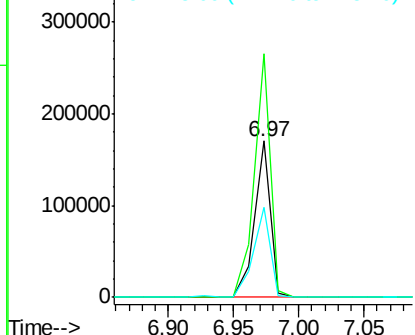
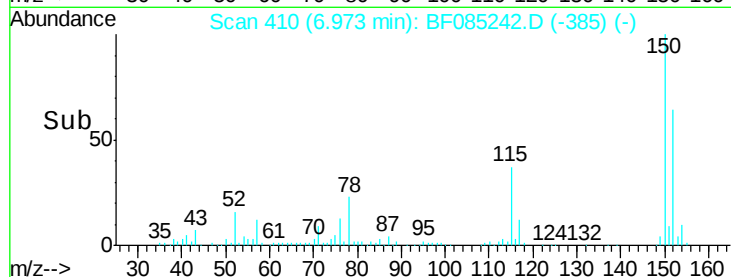
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.97 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: BF085242.D
 Acq: 5 Mar 2016 9:34

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:152 Resp: 144308
 Ion Ratio Lower Upper
 152 100
 150 156.0 124.6 186.8
 115 57.6 46.6 70.0

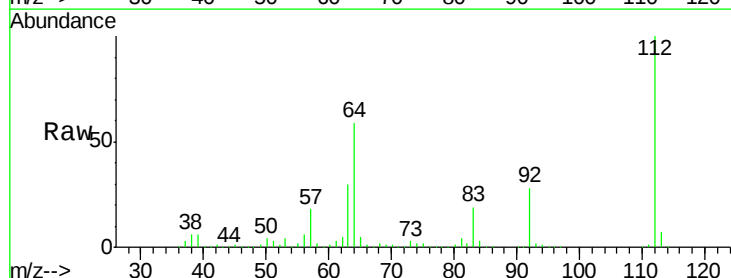


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

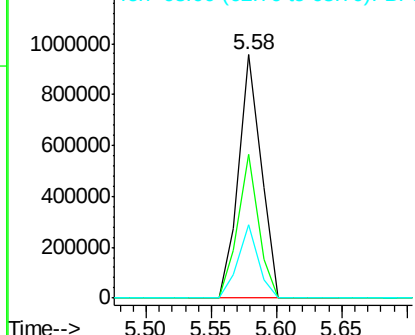
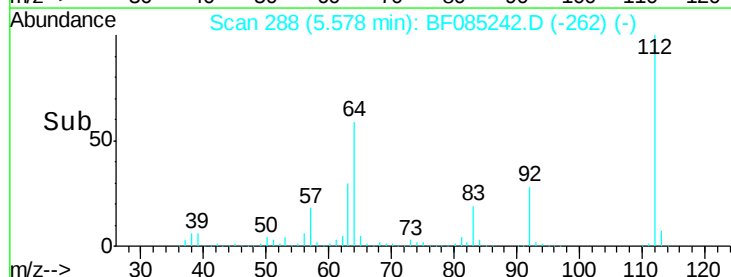


#5
 2-Fluorophenol
 Concen: 133.65 ng
 RT: 5.58 min Scan# 288
 Delta R.T. -0.00 min
 Lab File: BF085242.D
 Acq: 5 Mar 2016 9:34

Tgt Ion:112 Resp: 1149775
 Ion Ratio Lower Upper
 112 100
 64 59.1 49.0 73.4
 63 29.9 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: 110.83 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085242.D

Acq: 5 Mar 2016 9:34

Instrument :

BNA_F

ClientSampleId :

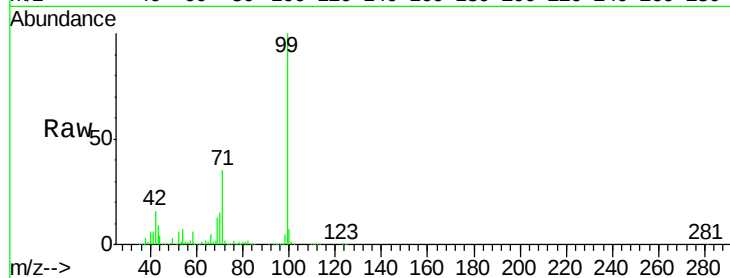
Tgt Ion: 99 Resp: 1249168

Ion Ratio Lower Upper

99 100

42 16.3 13.6 20.4

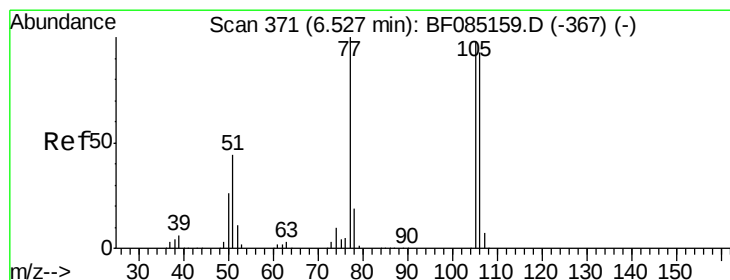
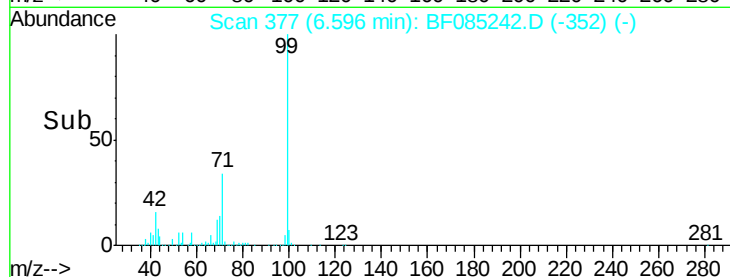
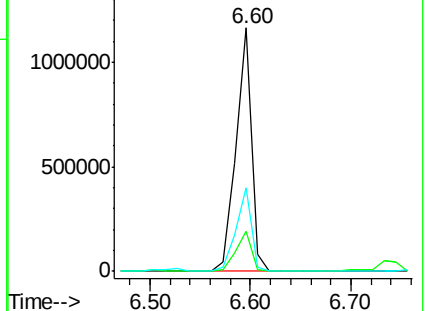
71 34.5 26.7 40.1



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: 2.36 ng

RT: 6.74 min Scan# 390

Delta R.T. 0.22 min

Lab File: BF085242.D

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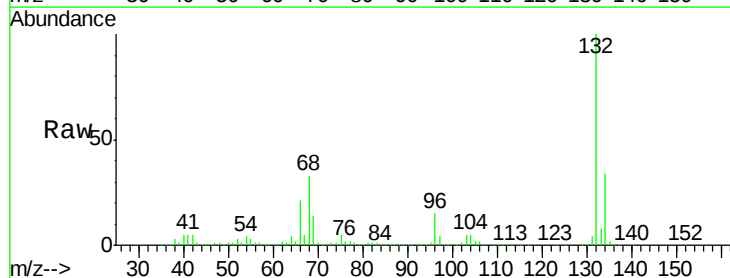
Tgt Ion: 77 Resp: 27643

Ion Ratio Lower Upper

77 100

105 91.1 78.2 118.2

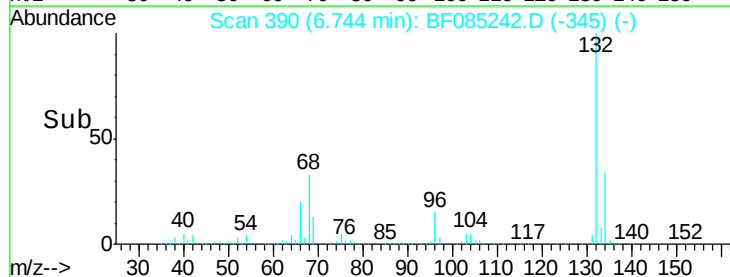
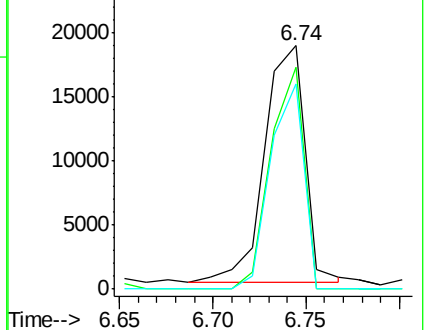
106 84.1 72.9 112.9

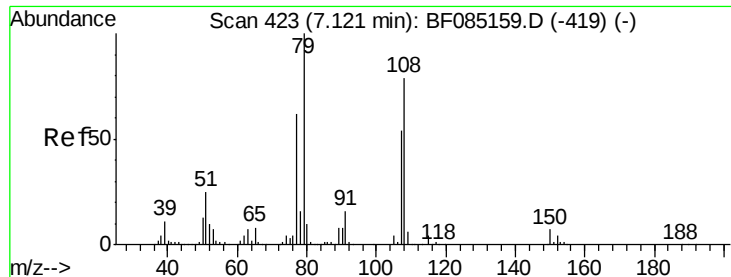


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.36 ng

RT: 7.13 min Scan# 424

Delta R.T. 0.01 min

Lab File: BF085242.D

Acq: 5 Mar 2016 9:34

Instrument :

BNA_F

ClientSampleId :

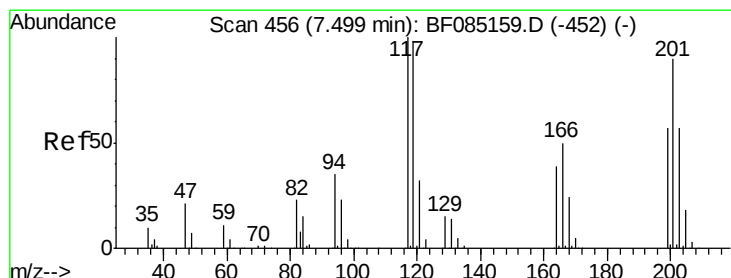
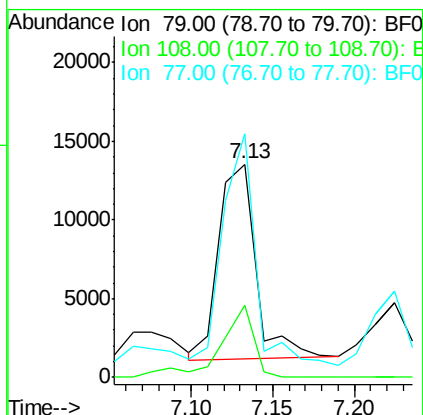
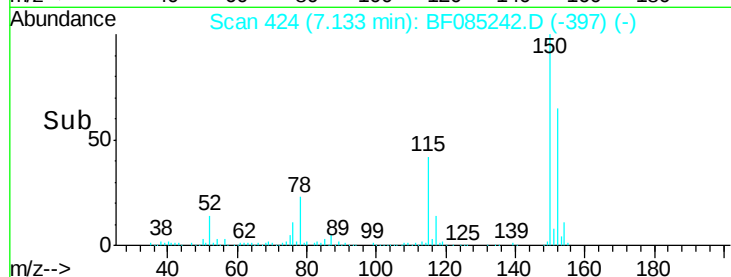
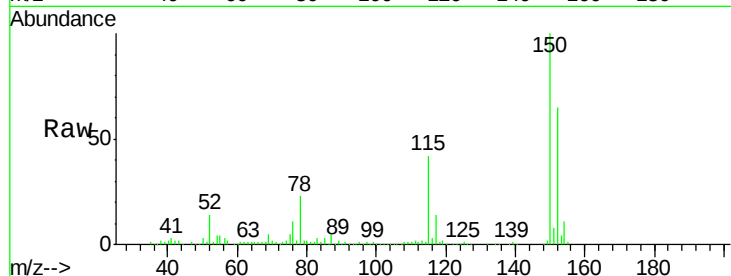
Tgt Ion: 79 Resp: 19503

Ion Ratio Lower Upper

79 100

108 33.9 62.9 94.3#

77 114.1 49.5 74.3#



#18

Hexachloroethane

Concen: 19.89 ng

RT: 7.54 min Scan# 460

Delta R.T. 0.05 min

Lab File: BF085242.D

Acq: 5 Mar 2016 9:34

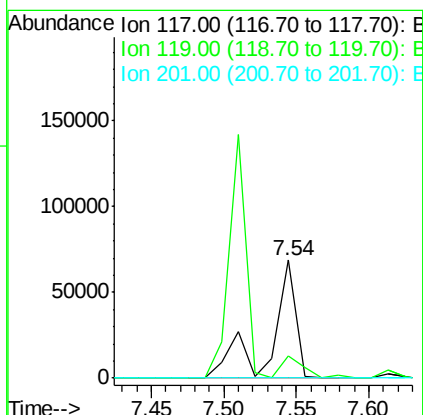
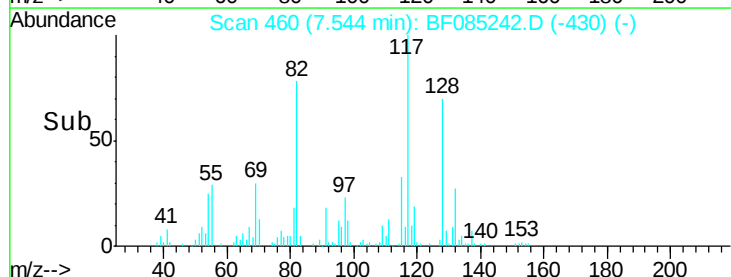
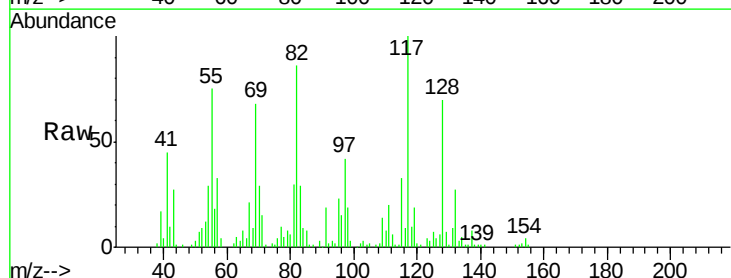
Tgt Ion: 117 Resp: 81758

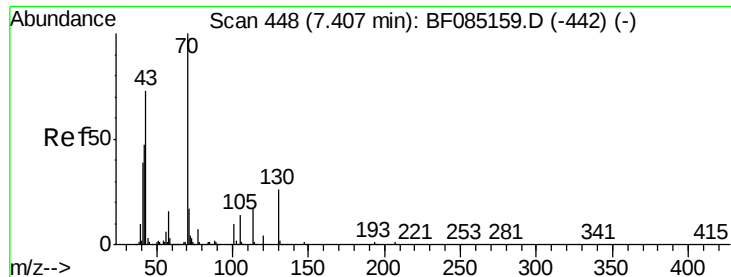
Ion Ratio Lower Upper

117 100

119 19.2 78.2 117.4#

201 0.0 72.0 108.0#

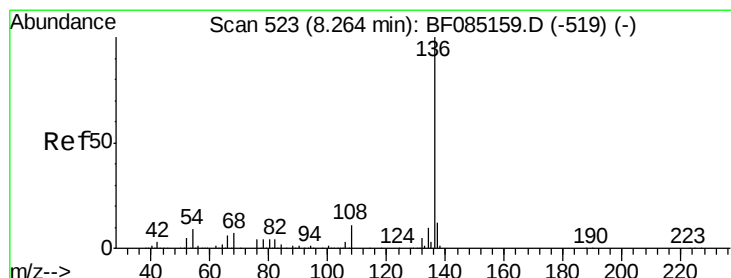
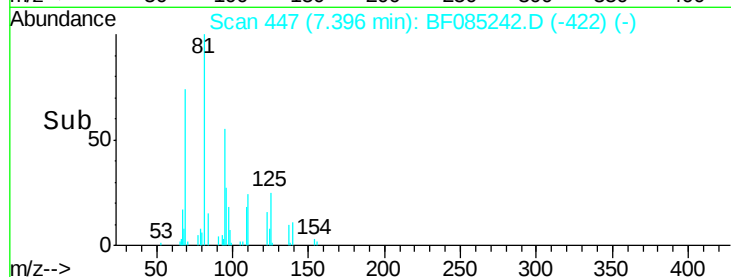
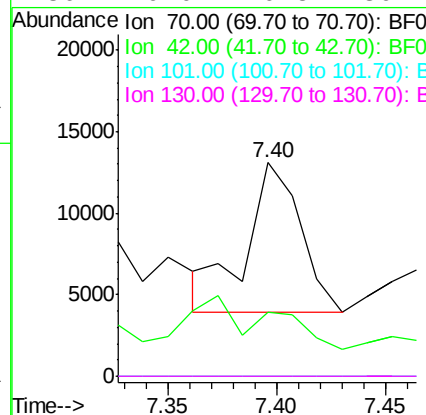
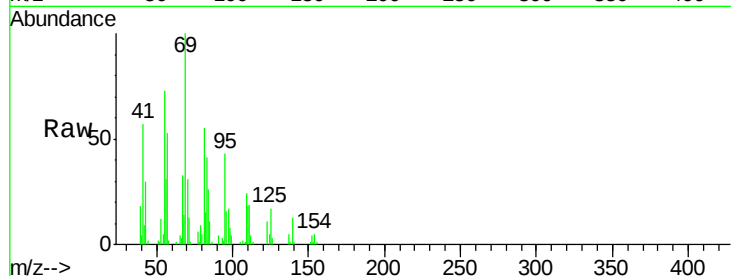




#19
n-Nitroso-di-n-propylamine
Concen: 2.16 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF085242.D
Acq: 5 Mar 2016 9:34

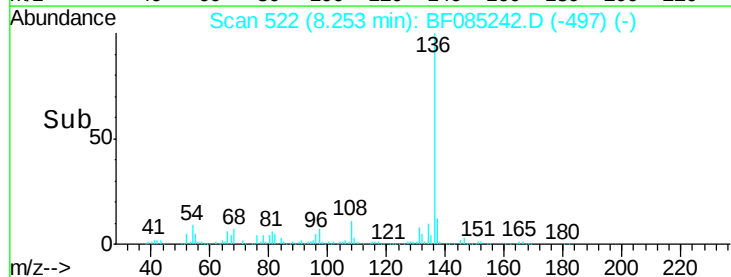
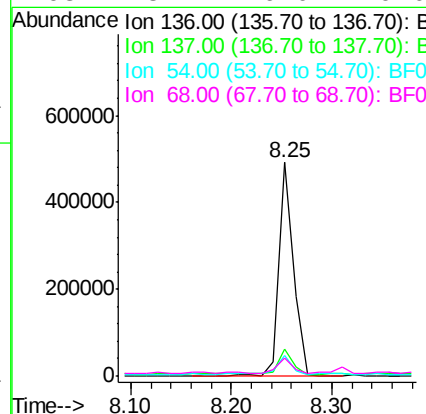
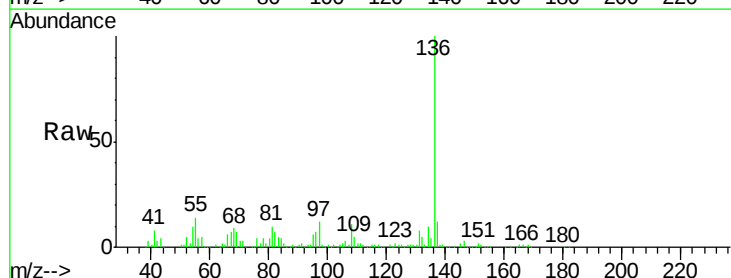
Instrument :
BNA_F
ClientSampleId :

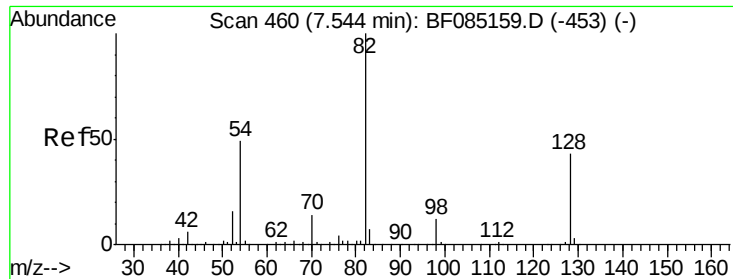
Tgt Ion: 70 Resp: 15839
Ion Ratio Lower Upper
70 100
42 29.9 37.7 56.5#
101 0.0 8.2 12.4#
130 0.0 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF085242.D
Acq: 5 Mar 2016 9:34

Tgt Ion: 136 Resp: 492231
Ion Ratio Lower Upper
136 100
137 12.4 9.3 13.9
54 9.6 7.4 11.2
68 8.7 6.0 9.0

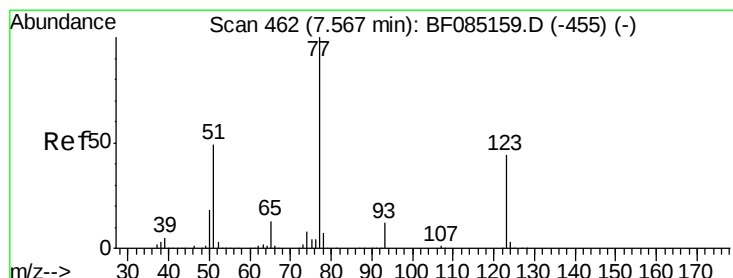
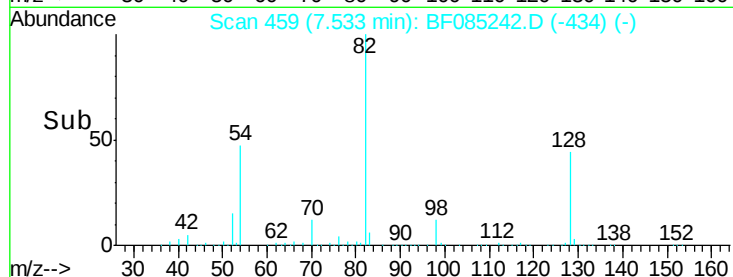
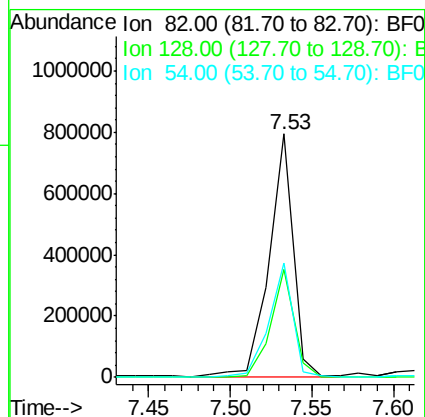
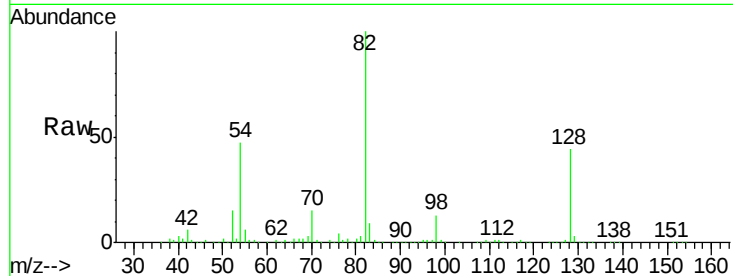




#23
 Nitrobenzene-d5
 Concen: 88.15 ng
 RT: 7.53 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF085242.D
 Acq: 5 Mar 2016 9:34

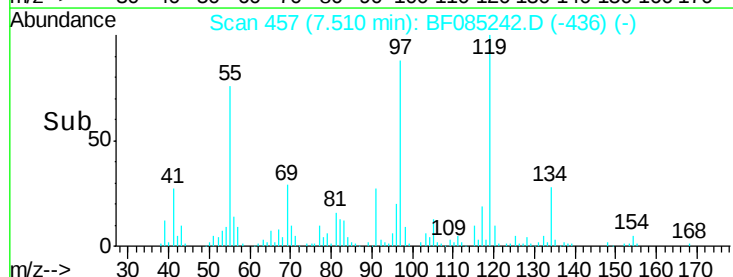
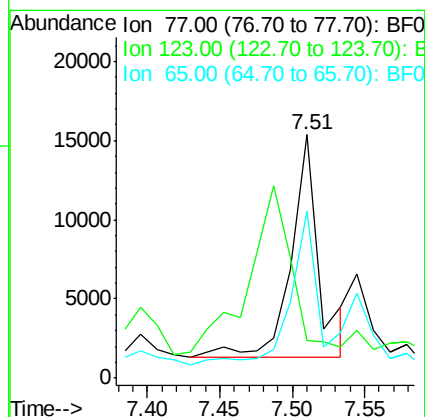
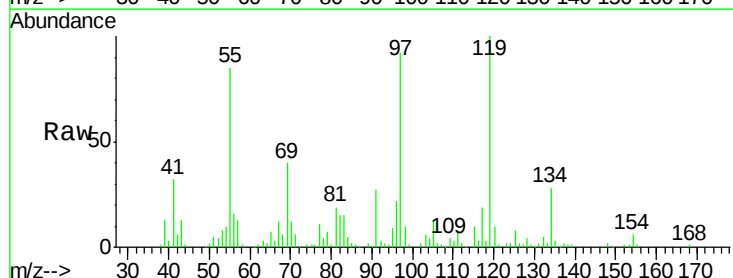
Instrument :
 BNA_F
 ClientSampleId :

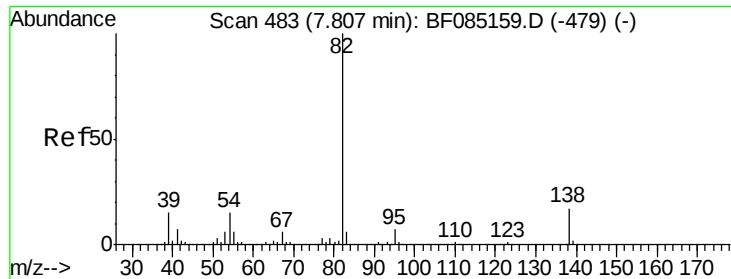
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.5	51.7
54	47.1	39.3	58.9



#24
 Nitrobenzene
 Concen: 2.00 ng
 RT: 7.51 min Scan# 457
 Delta R.T. -0.06 min
 Lab File: BF085242.D
 Acq: 5 Mar 2016 9:34

Tgt Ion	Ratio	Lower	Upper
77	100		
123	15.6	35.4	53.2#
65	68.4	10.6	16.0#





#25

Isophorone

Concen: 2.77 ng

RT: 7.78 min Scan# 481

Delta R.T. -0.02 min

Lab File: BF085242.D

Acq: 5 Mar 2016 9:34

Instrument :

BNA_F

ClientSampleId :

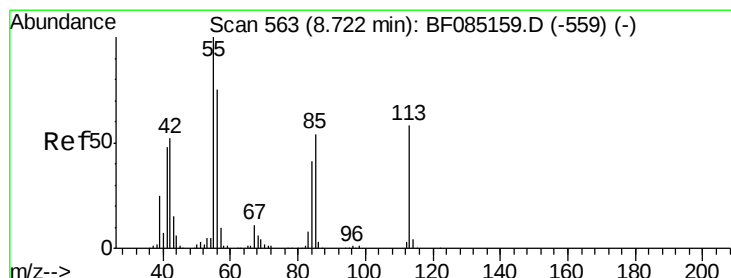
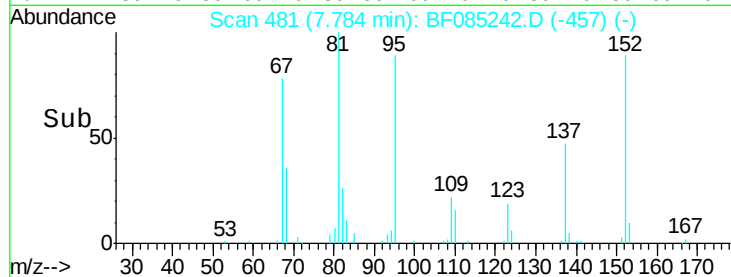
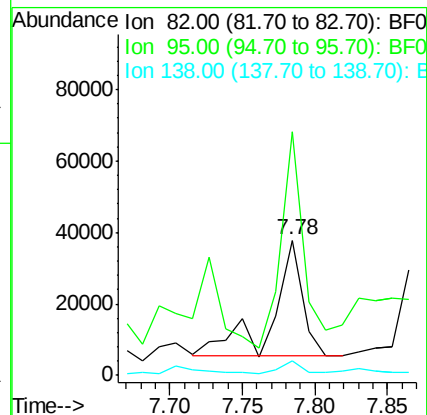
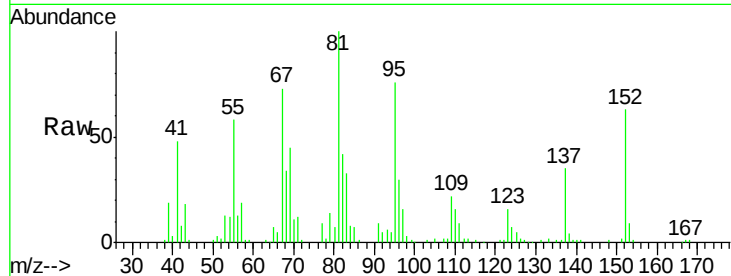
Tgt Ion: 82 Resp: 47267

Ion Ratio Lower Upper

82 100

95 179.9 5.4 8.2#

138 10.4 13.3 19.9#



#35

Caprolactam

Concen: 21.80 ng

RT: 8.68 min Scan# 559

Delta R.T. -0.05 min

Lab File: BF085242.D

Acq: 5 Mar 2016 9:34

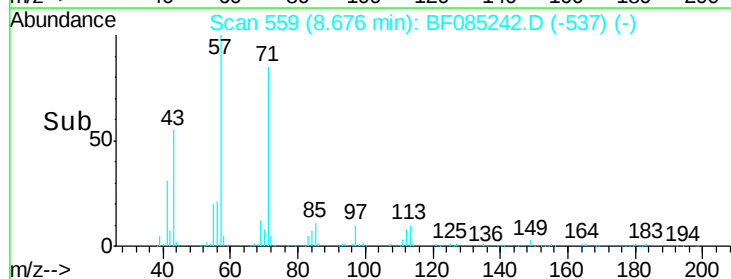
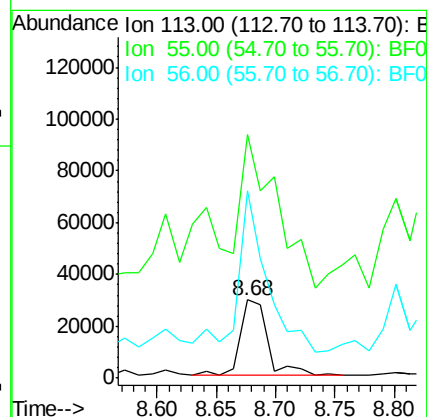
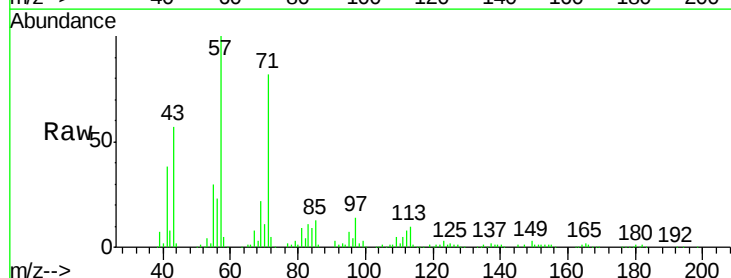
Tgt Ion: 113 Resp: 47710

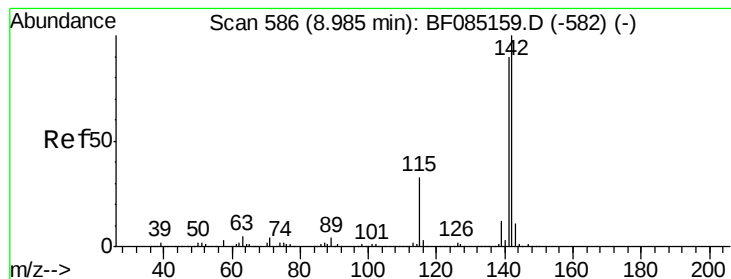
Ion Ratio Lower Upper

113 100

55 311.1 152.7 192.7#

56 239.5 109.0 149.0#

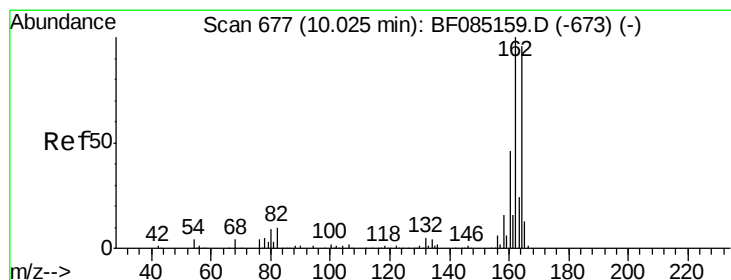
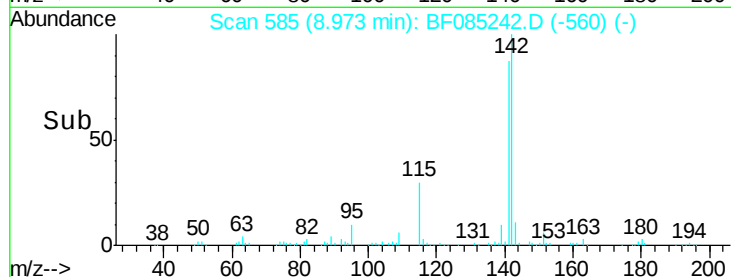
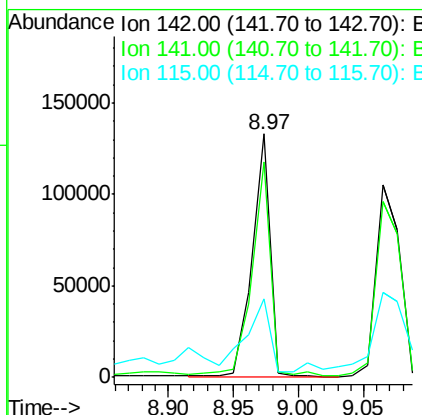
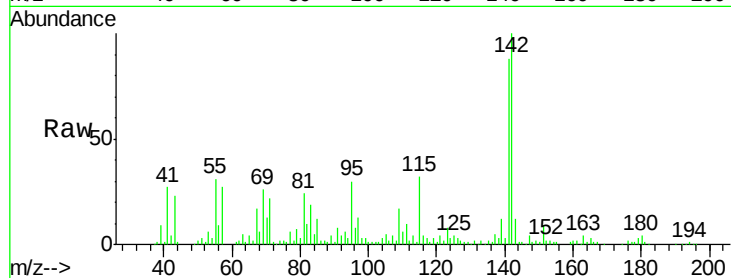




#37
 2-Methylnaphthalene
 Concen: 8.16 ng
 RT: 8.97 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BF085242.D
 Acq: 5 Mar 2016 9:34

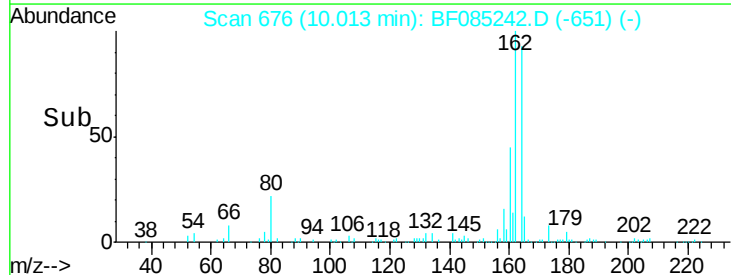
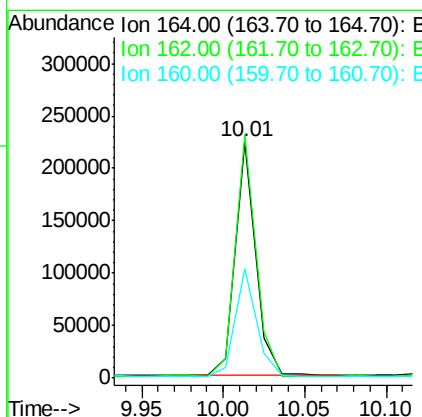
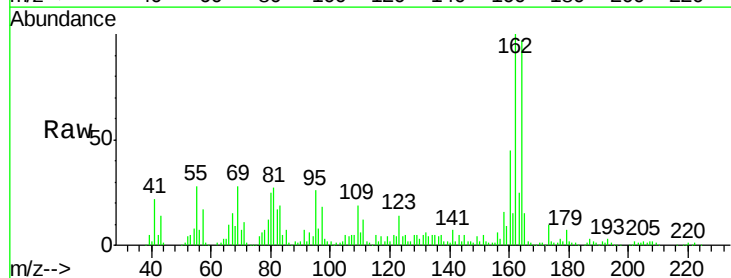
Instrument :
 BNA_F
 ClientSampleId :

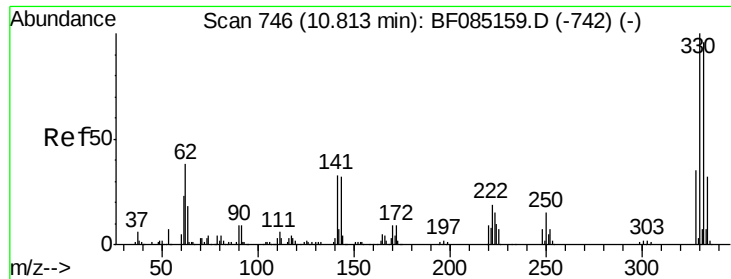
Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.7	107.5
115	32.1	26.2	39.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.01 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF085242.D
 Acq: 5 Mar 2016 9:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	83.3	124.9
160	46.2	37.9	56.9

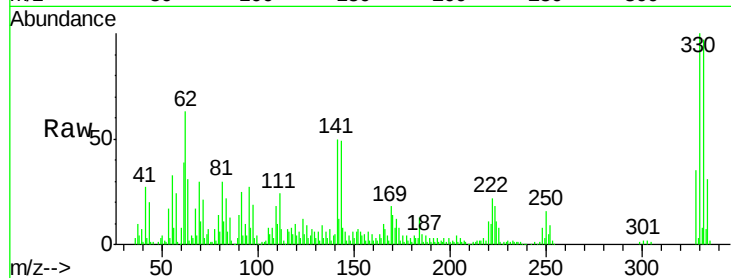




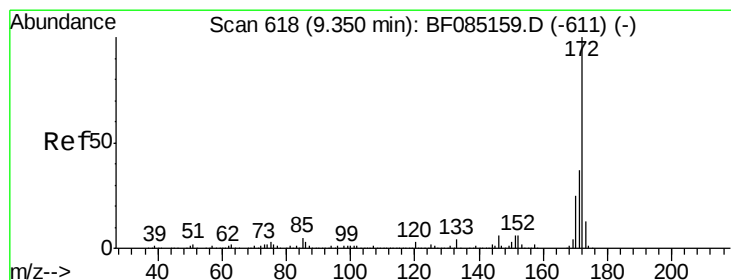
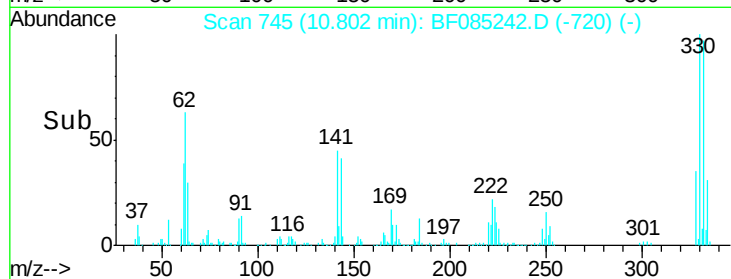
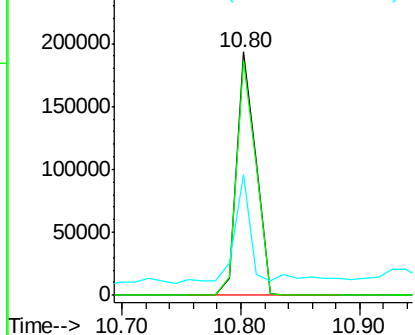
#41
 2,4,6-Tribromophenol
 Concen: 132.06 ng
 RT: 10.80 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF085242.D
 Acq: 5 Mar 2016 9:34

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:330 Resp: 216672
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.1 115.7
 141 38.1 35.0 52.6

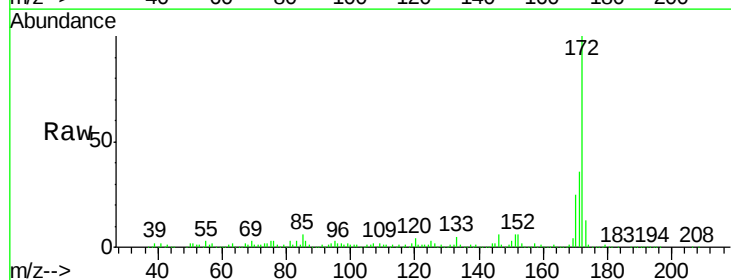


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

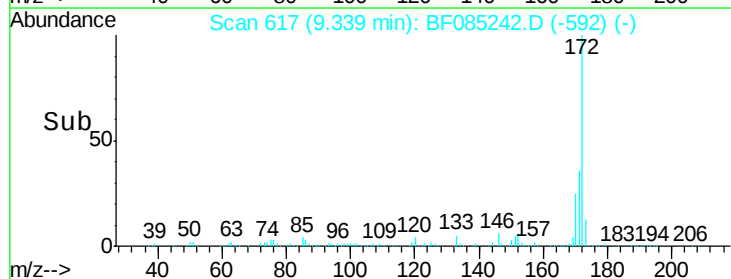
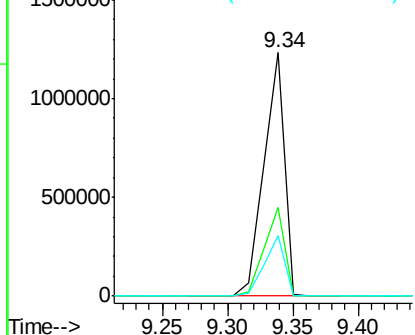


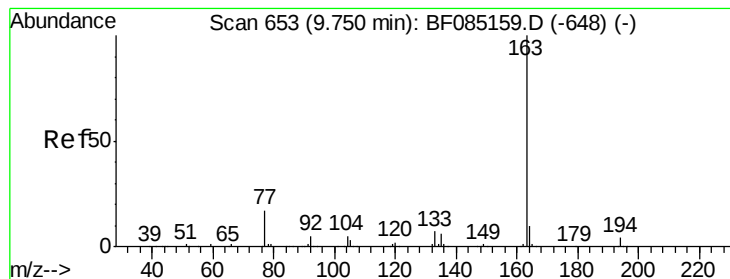
#44
 2-Fluorobiphenyl
 Concen: 108.05 ng
 RT: 9.34 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF085242.D
 Acq: 5 Mar 2016 9:34

Tgt Ion:172 Resp: 1362311
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.3 43.9
 170 24.9 20.0 30.0



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





#49

Dimethylphthalate

Concen: 5.96 ng

RT: 9.73 min Scan# 651

Delta R.T. -0.02 min

Lab File: BF085242.D

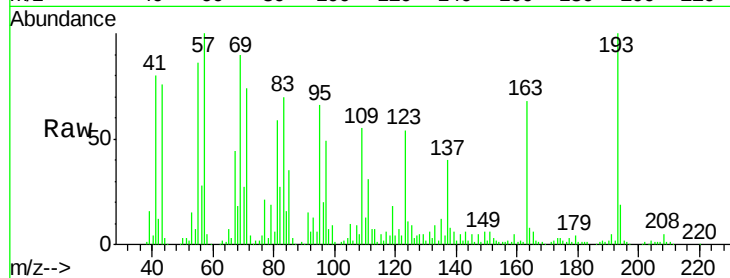
Acq: 5 Mar 2016 9:34

Instrument :

BNA_F

ClientSampleId :

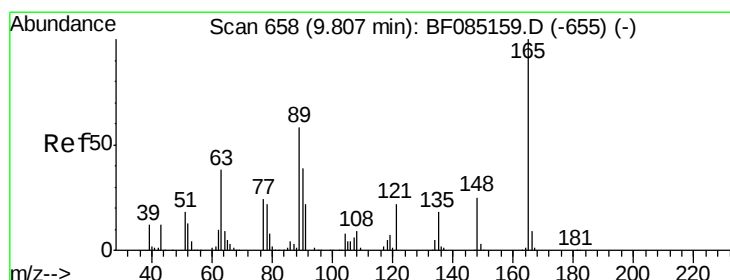
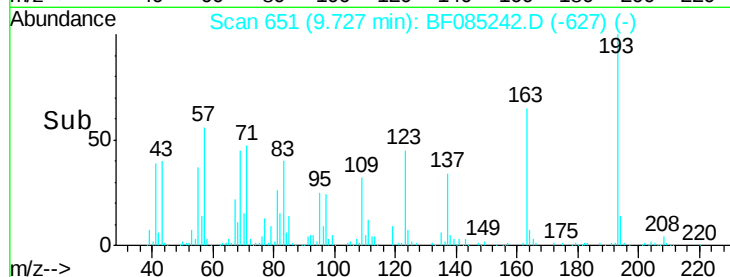
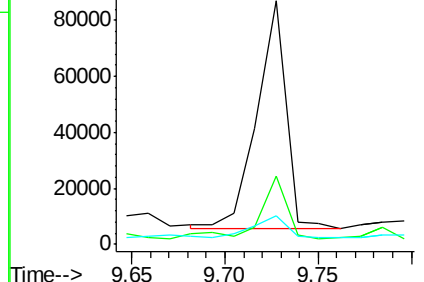
Tgt Ion:	163	Resp:	87693
Ion	Ratio	Lower	Upper
163	100		
194	27.8	3.1	4.7#
164	11.7	8.2	12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 2.92 ng

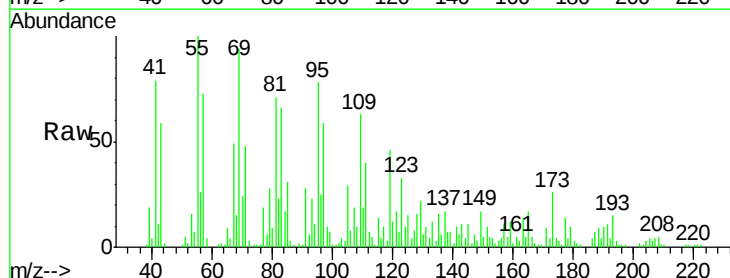
RT: 9.82 min Scan# 659

Delta R.T. 0.01 min

Lab File: BF085242.D

Acq: 5 Mar 2016 9:34

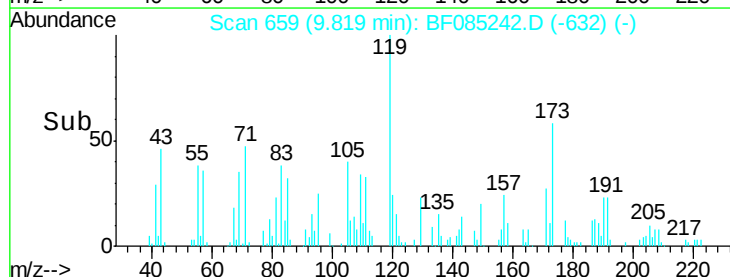
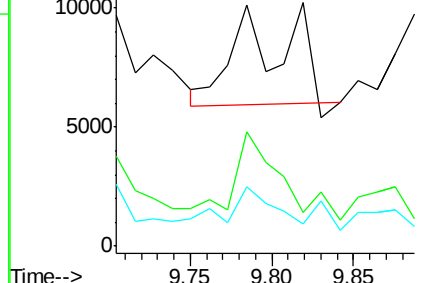
Tgt Ion:	165	Resp:	9194
Ion	Ratio	Lower	Upper
165	100		
63	13.9	41.8	62.8#
89	9.1	46.7	70.1#

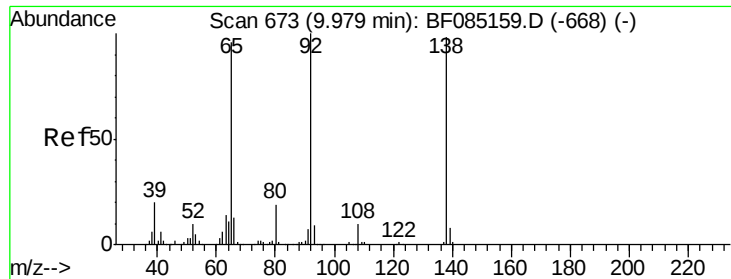


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#52

3-Nitroaniline

Concen: 4.25 ng

RT: 9.97 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF085242.D

Acq: 5 Mar 2016 9:34

Instrument :

BNA_F

ClientSampled :

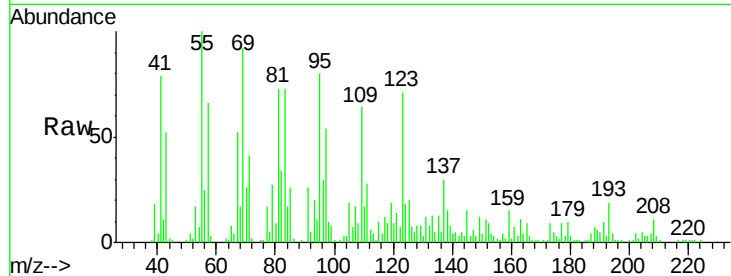
Tgt Ion:138 Resp: 16027

Ion Ratio Lower Upper

138 100

108 63.7 7.8 11.6#

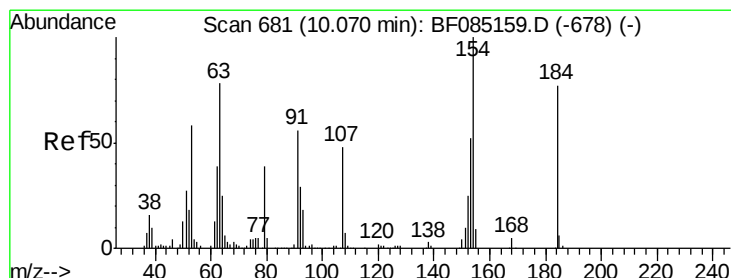
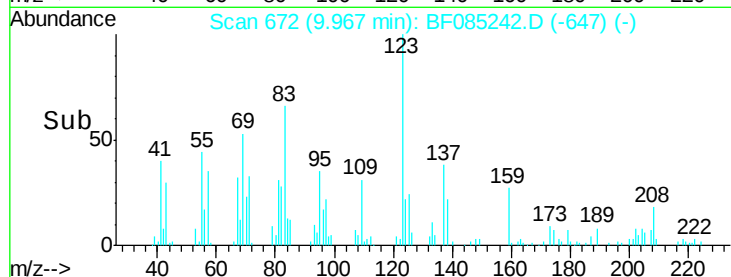
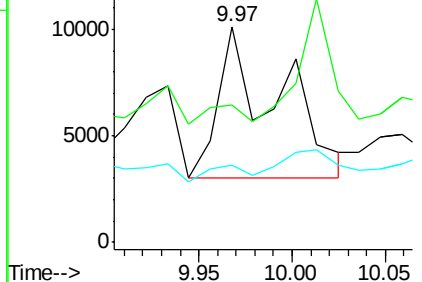
92 35.7 81.3 121.9#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#53

2,4-Dinitrophenol

Concen: 9.01 ng

RT: 10.23 min Scan# 695

Delta R.T. 0.16 min

Lab File: BF085242.D

Acq: 5 Mar 2016 9:34

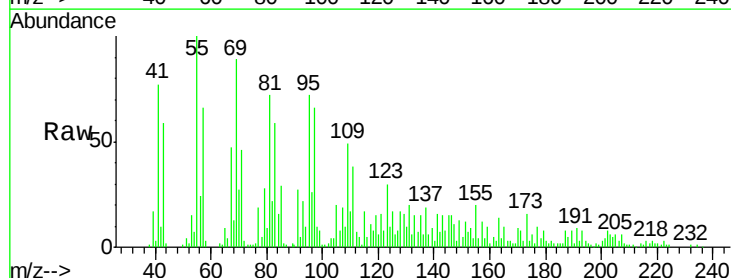
Tgt Ion:184 Resp: 1743

Ion Ratio Lower Upper

184 100

63 143.0 82.2 123.4#

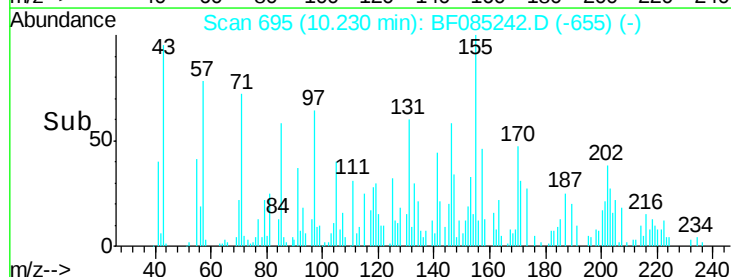
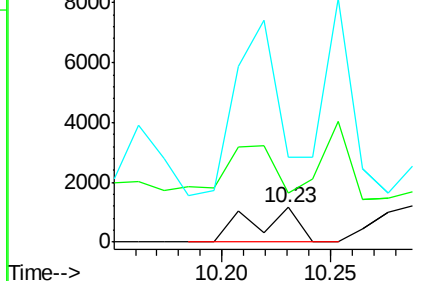
154 246.2 108.9 163.3#

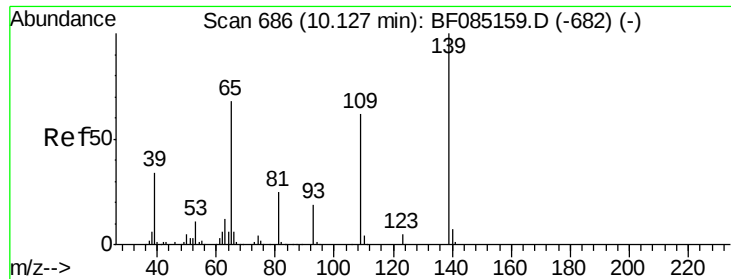


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

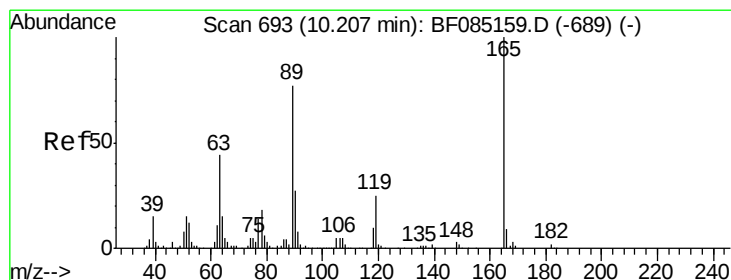
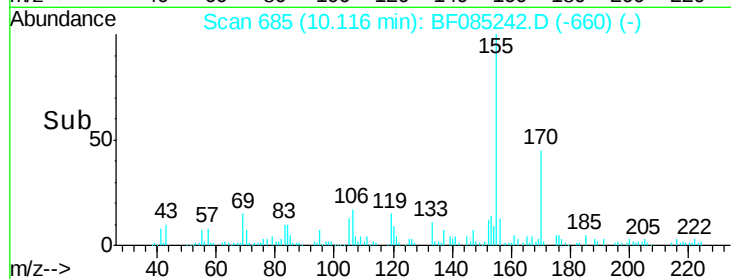
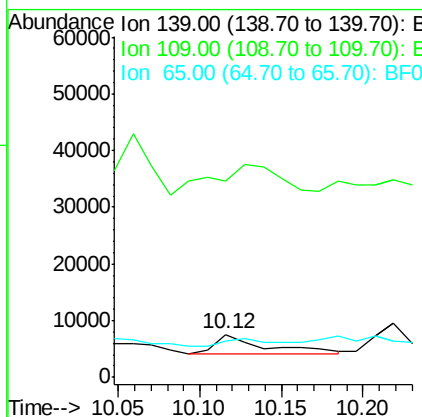
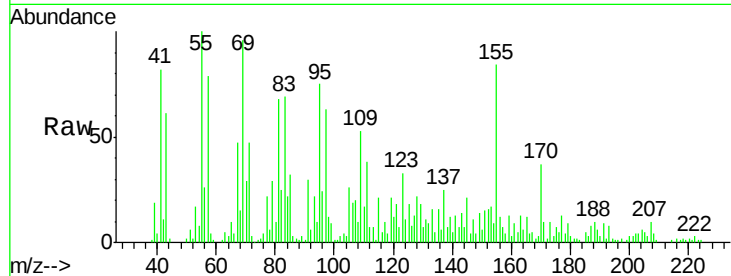




#55
4-Nitrophenol
Concen: 2.50 ng
RT: 10.12 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF085242.D
Acq: 5 Mar 2016 9:34

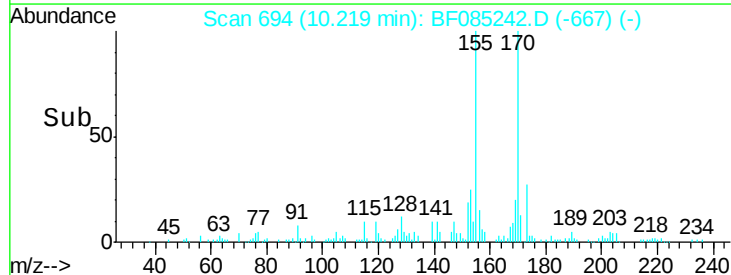
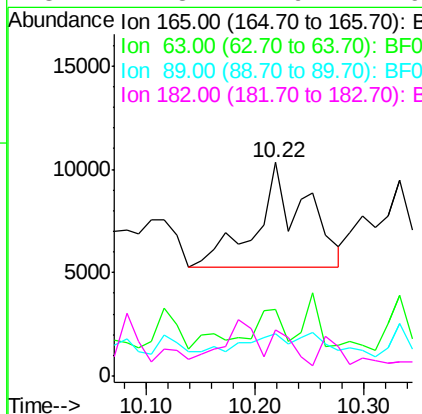
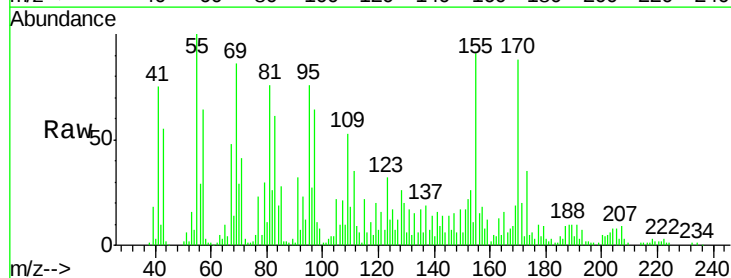
Instrument :
BNA_F
ClientSampled :

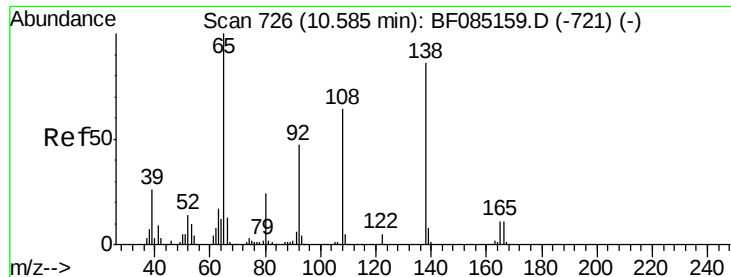
Tgt Ion:139 Resp: 7386
Ion Ratio Lower Upper
139 100
109 456.0 41.9 81.9#
65 84.5 48.3 88.3



#56
2,4-Dinitrotoluene
Concen: 3.97 ng
RT: 10.22 min Scan# 694
Delta R.T. 0.01 min
Lab File: BF085242.D
Acq: 5 Mar 2016 9:34

Tgt Ion:165 Resp: 15981
Ion Ratio Lower Upper
165 100
63 31.1 35.4 53.0#
89 19.9 61.9 92.9#
182 21.8 1.9 2.9#

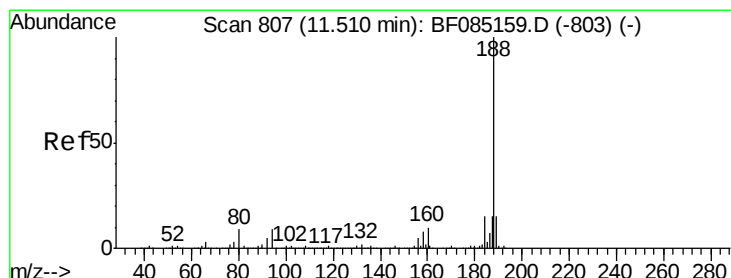
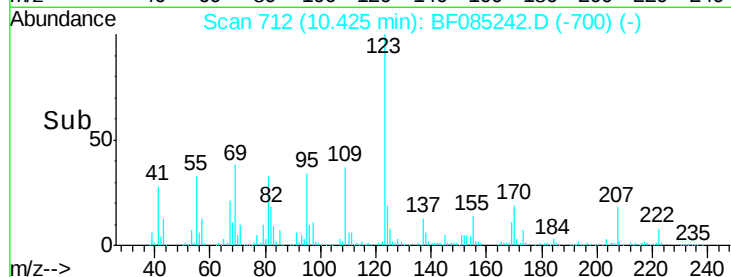
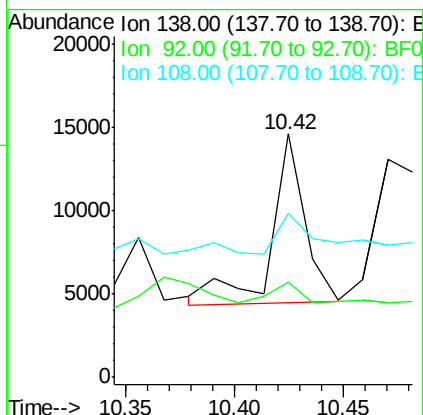
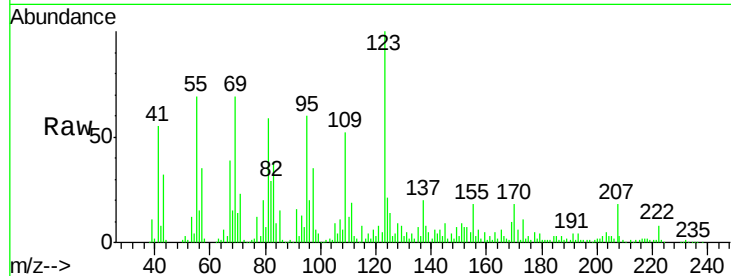




#61
4-Nitroaniline
Concen: 3.09 ng
RT: 10.42 min Scan# 712
Delta R.T. -0.16 min
Lab File: BF085242.D
Acq: 5 Mar 2016 9:34

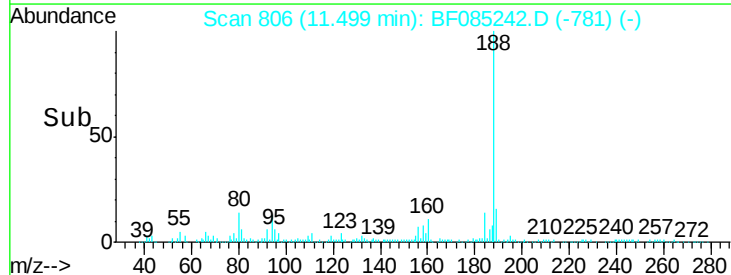
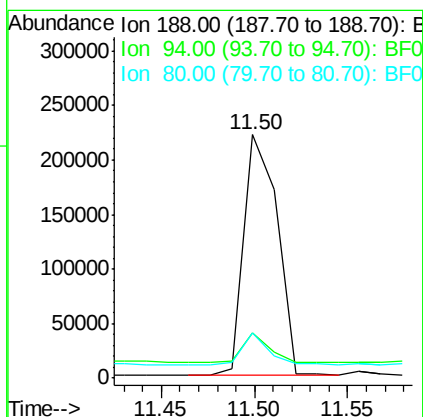
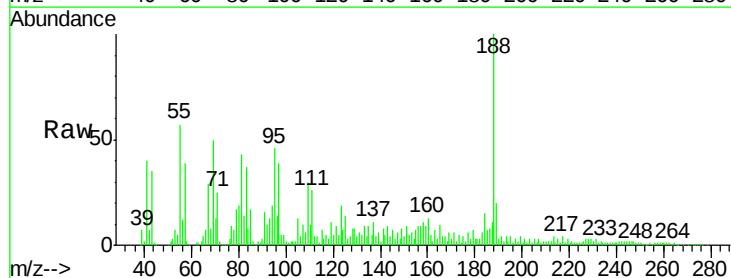
Instrument :
BNA_F
ClientSampleId :

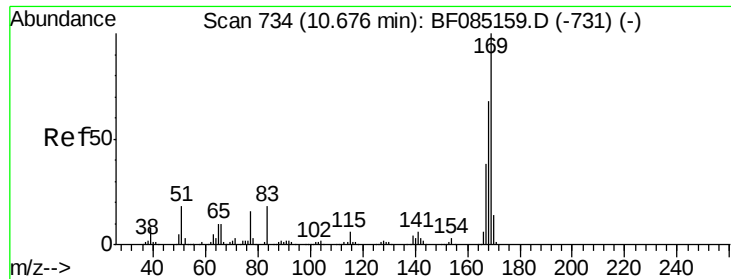
Tgt Ion:138 Resp: 10882
Ion Ratio Lower Upper
138 100
92 39.1 34.2 74.2
108 67.4 53.9 93.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF085242.D
Acq: 5 Mar 2016 9:34

Tgt Ion:188 Resp: 275835
Ion Ratio Lower Upper
188 100
94 18.7 7.0 10.6#
80 18.6 7.4 11.0#





#65

n-Nitrosodiphenylamine

Concen: 4.11 ng

RT: 10.68 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF085242.D

Acq: 5 Mar 2016 9:34

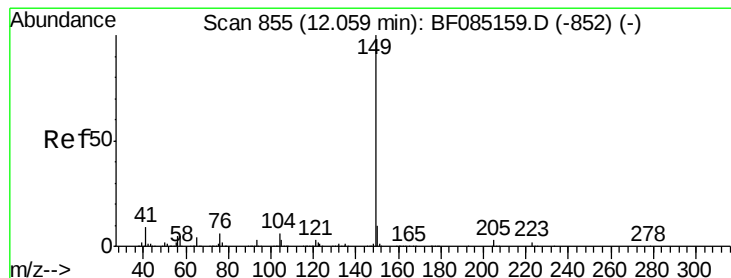
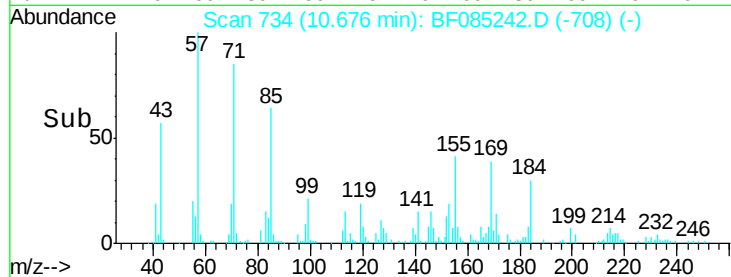
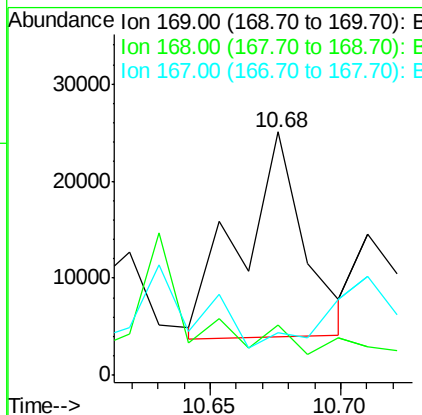
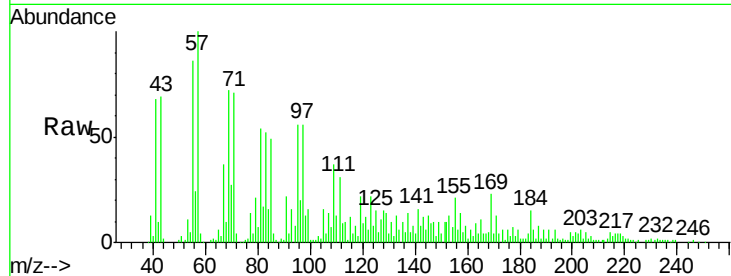
Instrument :

BNA_F

ClientSampleId :

Tgt Ion:169 Resp: 35242

Ion	Ratio	Lower	Upper
169	100		
168	20.6	54.8	82.2#
167	17.7	30.3	45.5#



#73

Di-n-butylphthalate

Concen: 2.16 ng

RT: 12.06 min Scan# 855

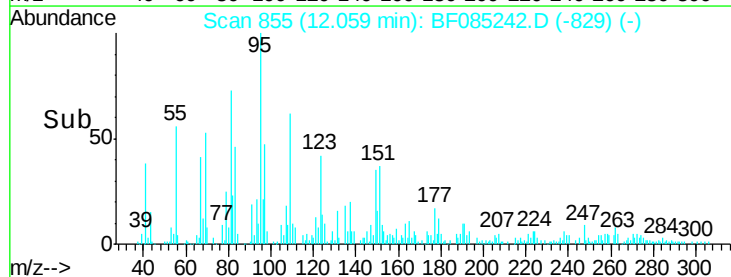
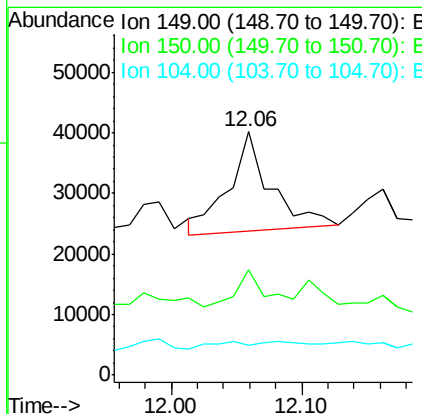
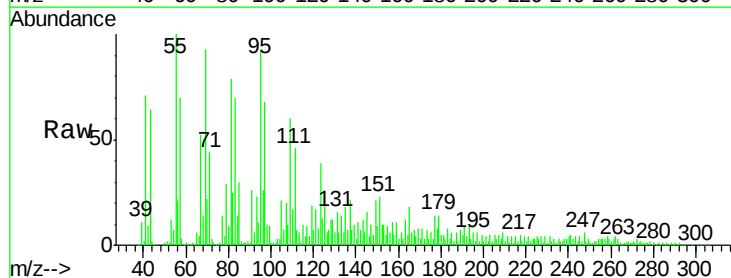
Delta R.T. 0.00 min

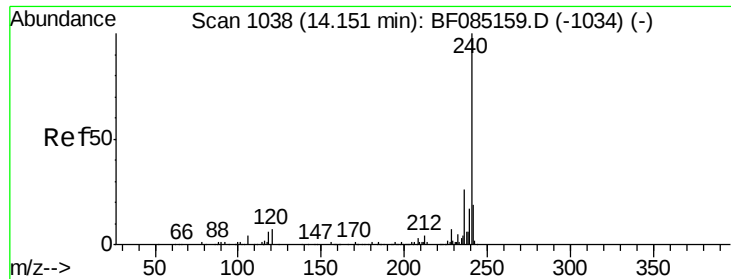
Lab File: BF085242.D

Acq: 5 Mar 2016 9:34

Tgt Ion:149 Resp: 36668

Ion	Ratio	Lower	Upper
149	100		
150	43.2	7.8	11.6#
104	12.1	4.7	7.1#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.15 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BF085242.D

Acq: 5 Mar 2016 9:34

Instrument :

BNA_F

ClientSampleId :

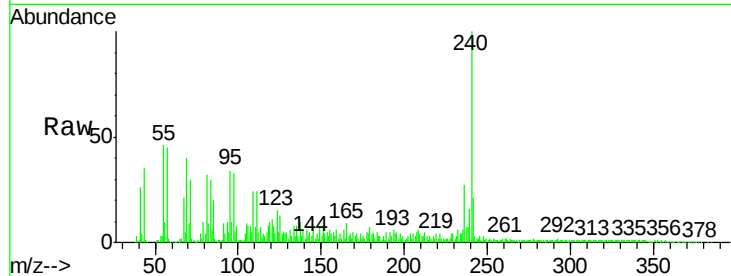
Tgt Ion:240 Resp: 224256

Ion Ratio Lower Upper

240 100

120 11.0 5.3 7.9#

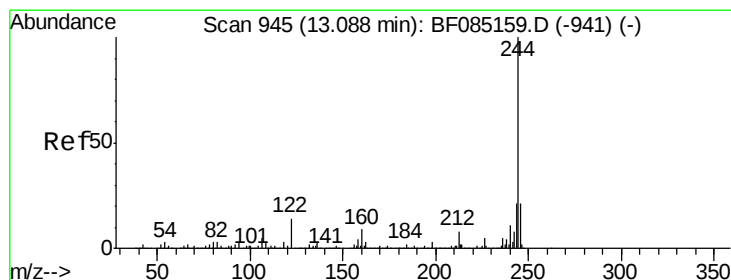
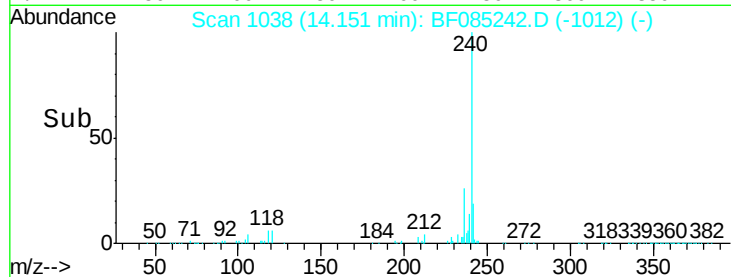
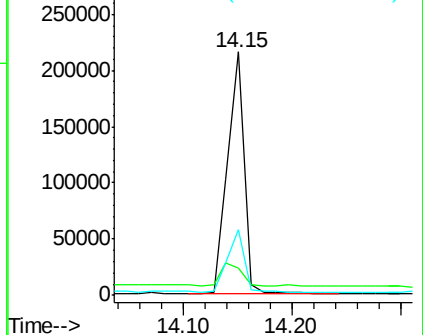
236 27.2 20.7 31.1



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: 96.44 ng

RT: 13.10 min Scan# 946

Delta R.T. 0.01 min

Lab File: BF085242.D

Acq: 5 Mar 2016 9:34

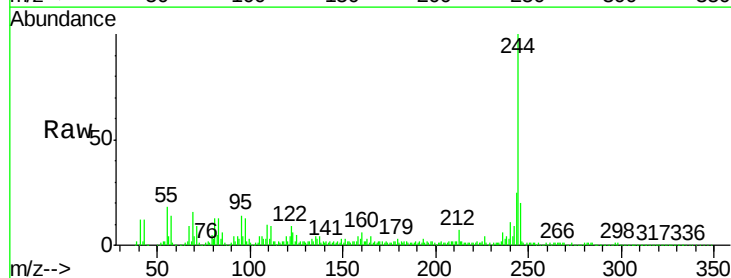
Tgt Ion:244 Resp: 931654

Ion Ratio Lower Upper

244 100

212 6.7 6.4 9.6

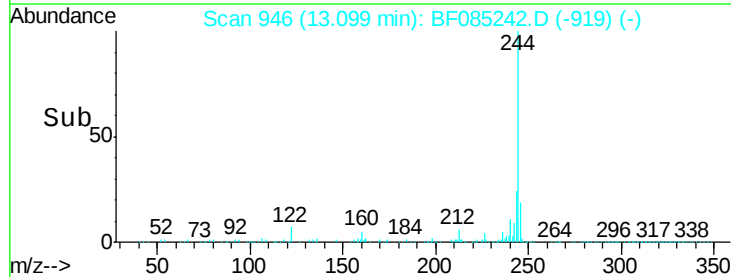
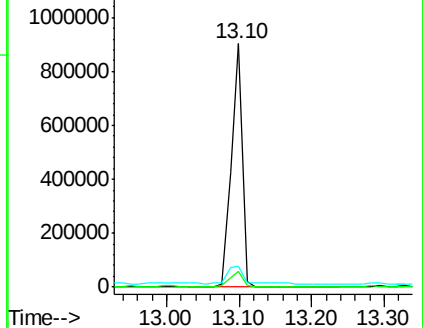
122 8.7 11.4 17.2#

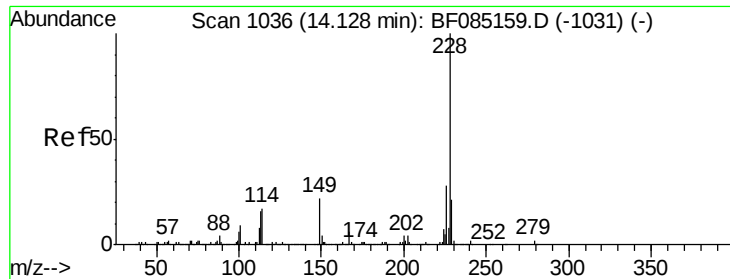


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.08 ng

RT: 14.16 min Scan# 1039

Delta R.T. 0.03 min

Lab File: BF085242.D

Acq: 5 Mar 2016 9:34

Instrument :

BNA_F

ClientSampleId :

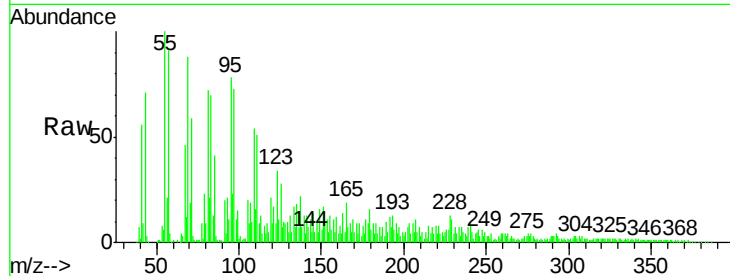
Tgt Ion:228 Resp: 27905

Ion Ratio Lower Upper

228 100

226 48.5 22.8 34.2#

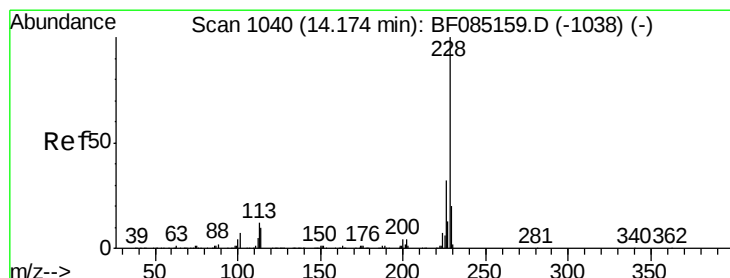
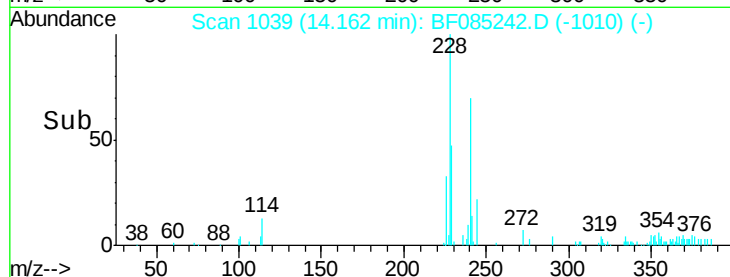
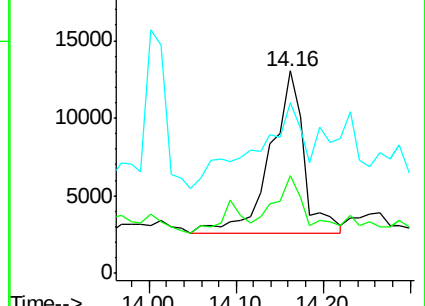
229 84.3 16.6 24.8#



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: 2.27 ng

RT: 14.16 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF085242.D

Acq: 5 Mar 2016 9:34

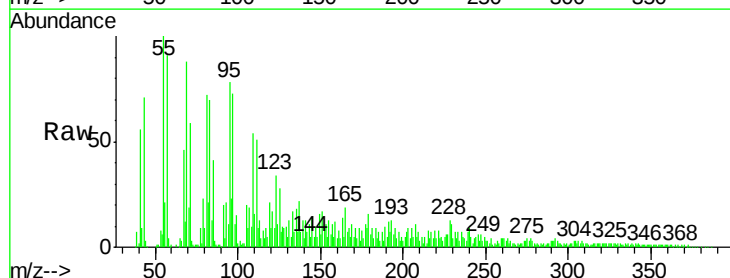
Tgt Ion:228 Resp: 28100

Ion Ratio Lower Upper

228 100

226 48.5 25.2 37.8#

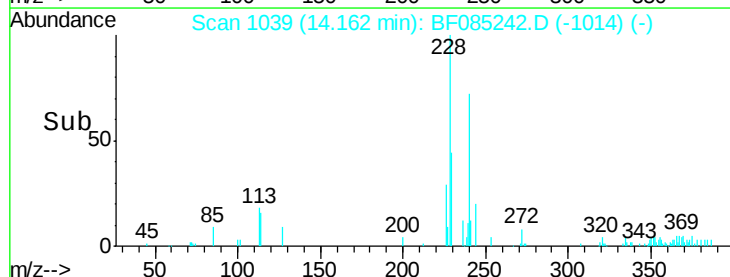
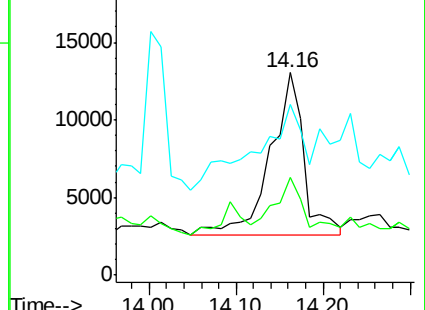
229 84.3 16.0 24.0#

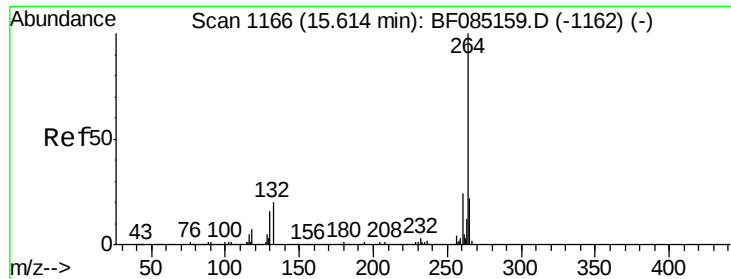


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

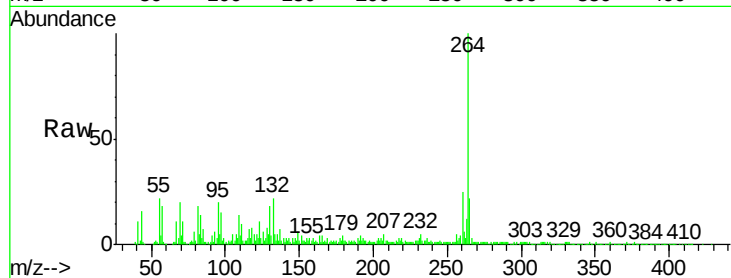




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.61 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF085242.D
Acq: 5 Mar 2016 9:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.3	17.3	25.9



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

