

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033116\
 Data File : BF085932.D
 Acq On : 31 Mar 2016 17:25
 Operator : UM/SJ
 Sample : H1954-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Quant Time: Mar 31 21:46:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 12:31:18 2016
 Response via : Initial Calibration

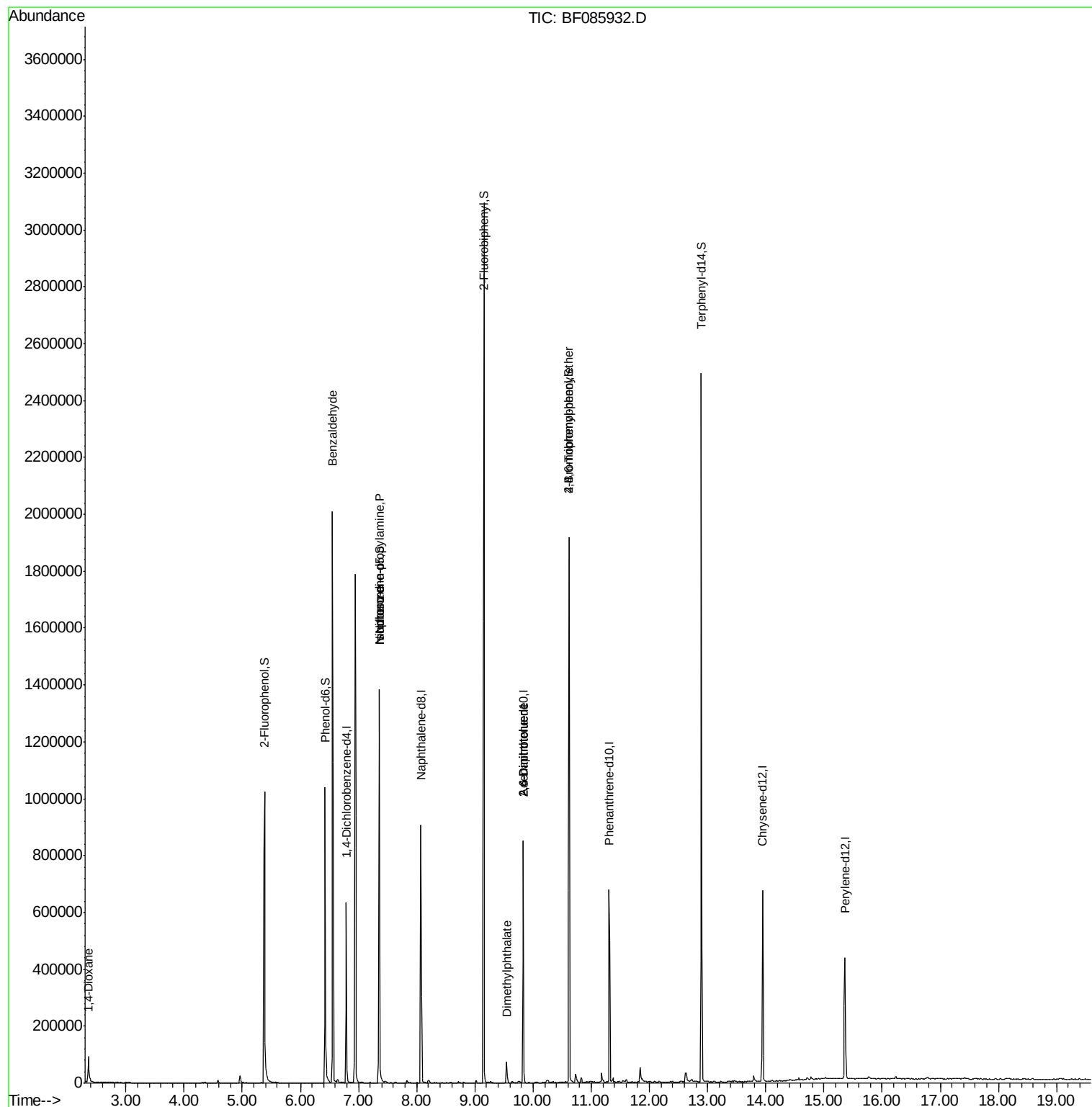
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	109589	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	439503	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	191940	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	327214	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	213047	20.00	ng	-0.02
86) Perylene-d12	15.36	264	202708	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	458372	69.66	ng	-0.01
7) Phenol-d6	6.42	99	398780	47.66	ng	-0.02
23) Nitrobenzene-d5	7.36	82	680091	87.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	242796	133.14	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1134475	98.75	ng	-0.01
78) Terphenyl-d14	12.89	244	762058	73.56	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.36	88	52238	16.63	ng	Qvalue 97
9) Benzaldehyde	6.55	77	14819	2.94	ng	# 78
19) n-Nitroso-di-n-propylamine	7.36	70	87187	17.40	ng	# 73
25) Isophorone	7.36	82	664064	44.17	ng	# 68
49) Dimethylphthalate	9.54	163	31311	2.15	ng	99
50) 2,6-Dinitrotoluene	9.83	165	24060	7.68	ng	# 19
56) 2,4-Dinitrotoluene	9.83	165	24060	6.04	ng	# 38
66) 4-Bromophenyl-phenylether	10.62	248	16548	4.94	ng	# 1

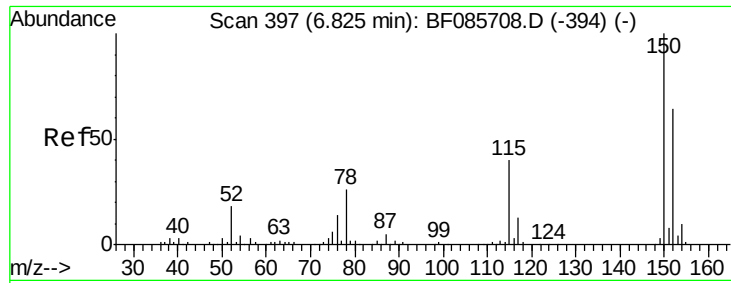
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF085932.D

Acq: 31 Mar 2016 17:25

Instrument :

BNA_F

ClientSampled :

MW-4

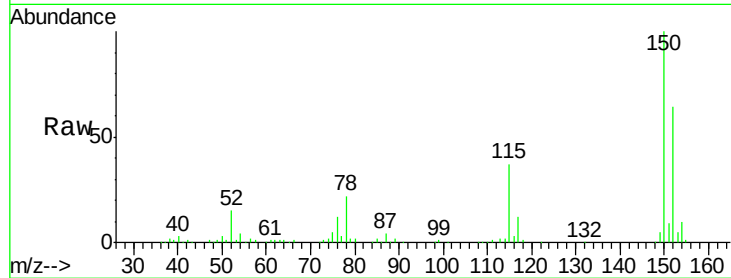
Tgt Ion:152 Resp: 109589

Ion Ratio Lower Upper

152 100

150 155.2 124.2 186.2

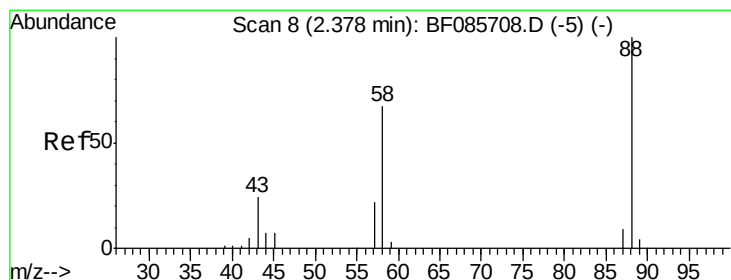
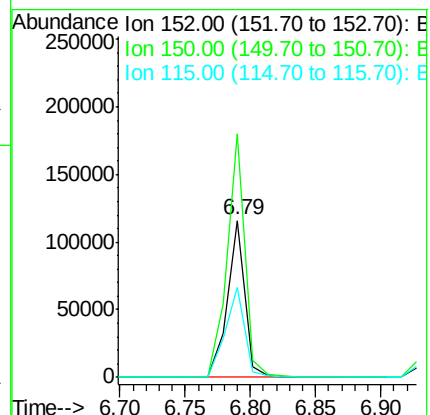
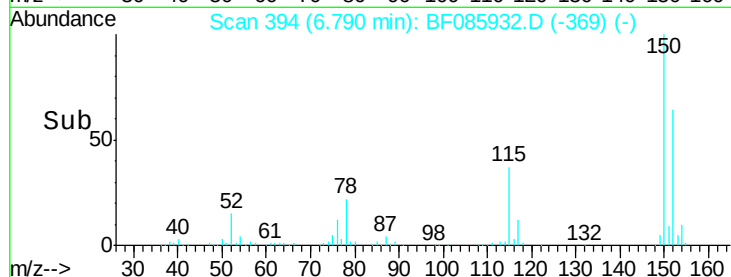
115 57.0 47.0 70.6



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



#2

1,4-Dioxane

Concen: 16.63 ng

RT: 2.36 min Scan# 6

Delta R.T. 0.02 min

Lab File: BF085932.D

Acq: 31 Mar 2016 17:25

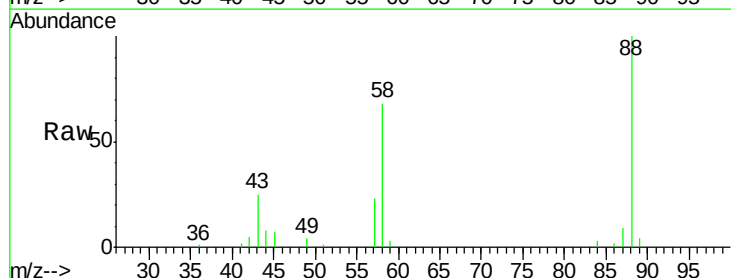
Tgt Ion: 88 Resp: 52238

Ion Ratio Lower Upper

88 100

58 70.4 54.2 81.2

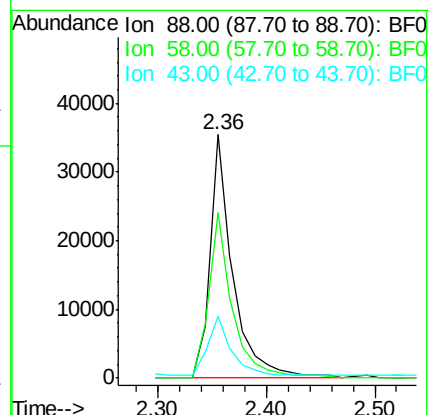
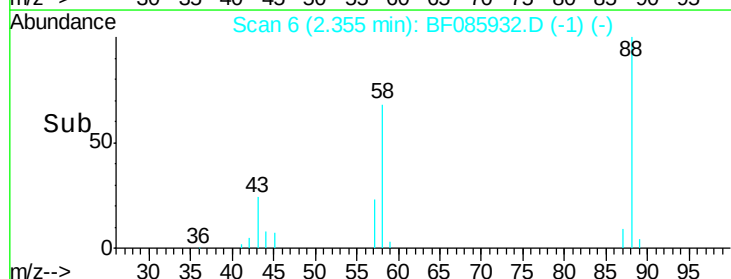
43 25.1 19.3 28.9

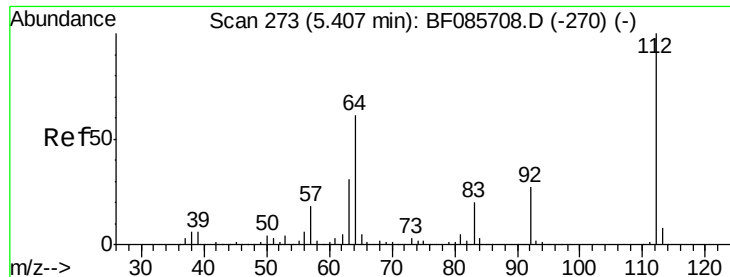


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 69.66 ng

RT: 5.38 min Scan# 271

Delta R.T. -0.01 min

Lab File: BF085932.D

Acq: 31 Mar 2016 17:25

Instrument :

BNA_F

ClientSampleId :

MW-4

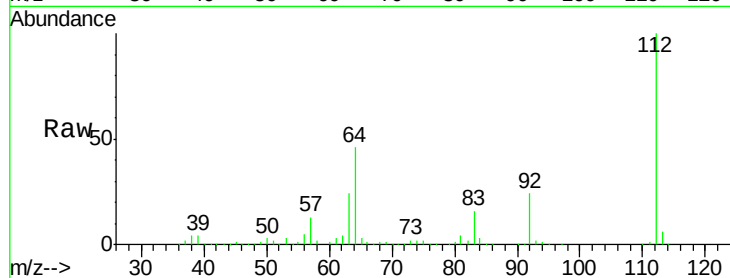
Tgt Ion: 112 Resp: 458372

Ion Ratio Lower Upper

112 100

64 45.7 39.9 59.9

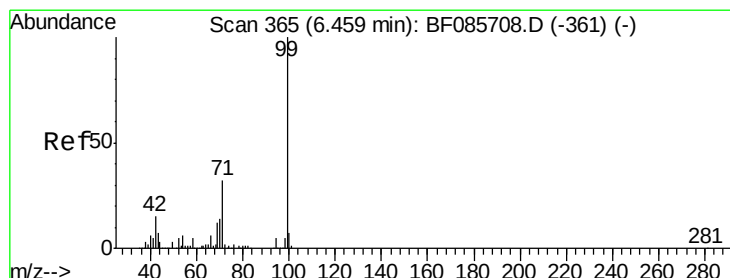
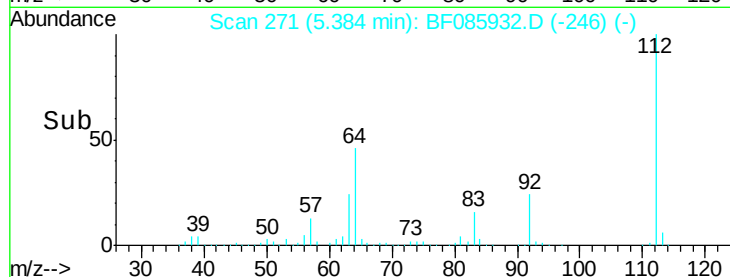
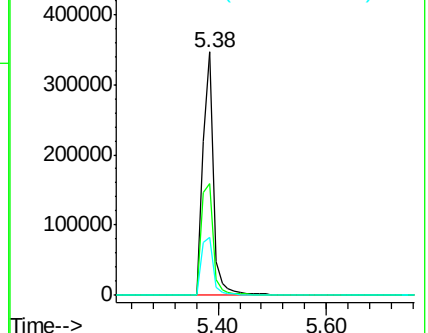
63 23.8 20.2 30.2



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: 47.66 ng

RT: 6.42 min Scan# 362

Delta R.T. -0.02 min

Lab File: BF085932.D

Acq: 31 Mar 2016 17:25

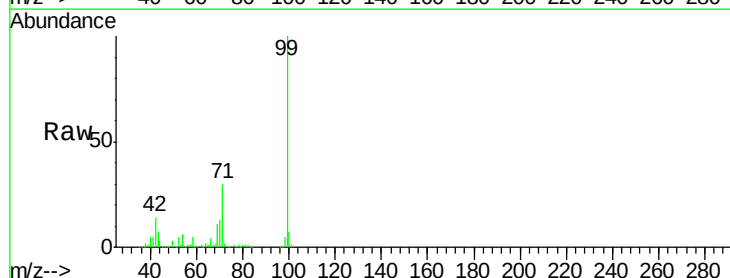
Tgt Ion: 99 Resp: 398780

Ion Ratio Lower Upper

99 100

42 13.9 11.1 16.7

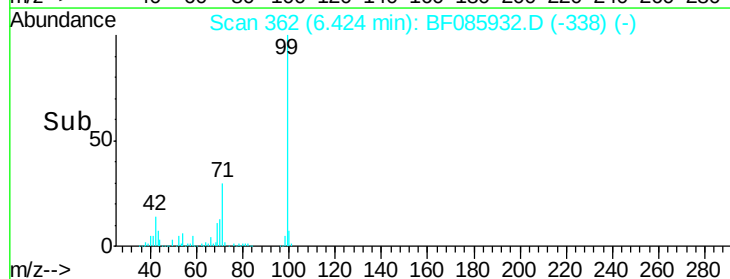
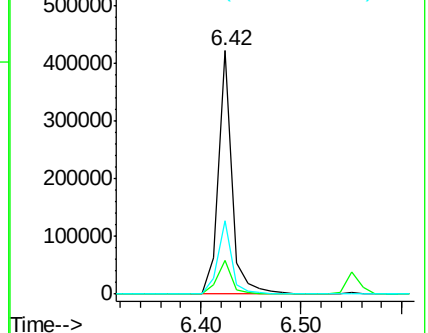
71 30.3 24.9 37.3

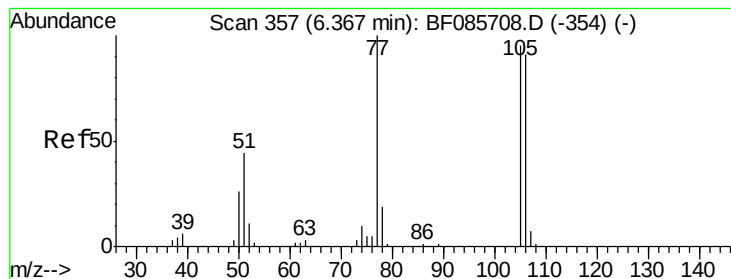


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 2.94 ng

RT: 6.55 min Scan# 373

Delta R.T. 0.21 min

Lab File: BF085932.D

Acq: 31 Mar 2016 17:25

Instrument :

BNA_F

ClientSampleId :

MW-4

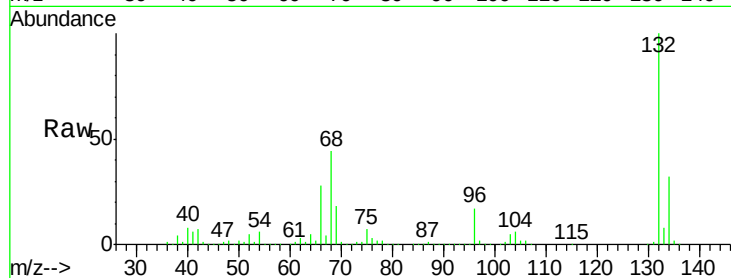
Tgt Ion: 77 Resp: 14819

Ion Ratio Lower Upper

77 100

105 78.4 80.1 120.1#

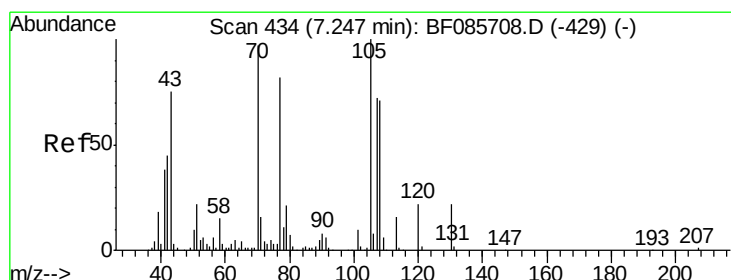
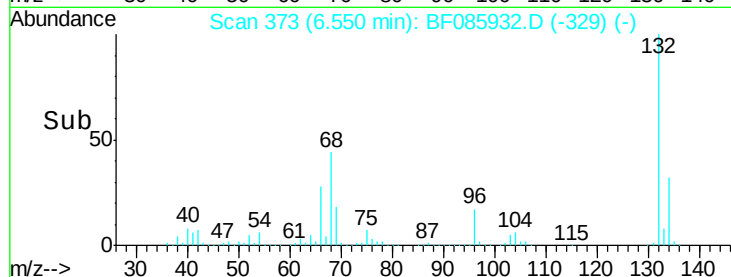
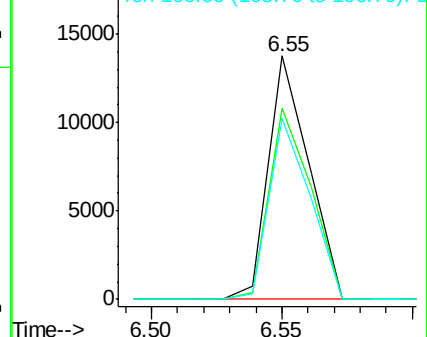
106 74.1 75.0 115.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.40 ng

RT: 7.36 min Scan# 444

Delta R.T. 0.14 min

Lab File: BF085932.D

Acq: 31 Mar 2016 17:25

Tgt Ion: 70 Resp: 87187

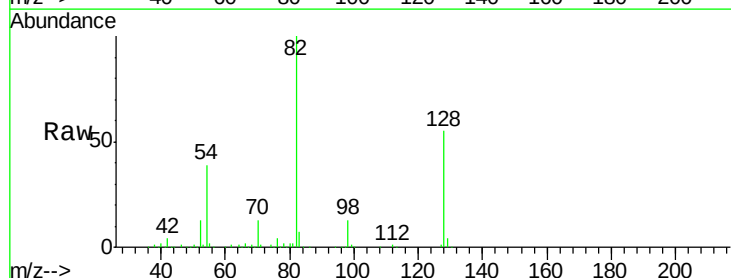
Ion Ratio Lower Upper

70 100

42 34.1 37.1 55.7#

101 0.0 8.6 12.8#

130 2.6 19.6 29.4#

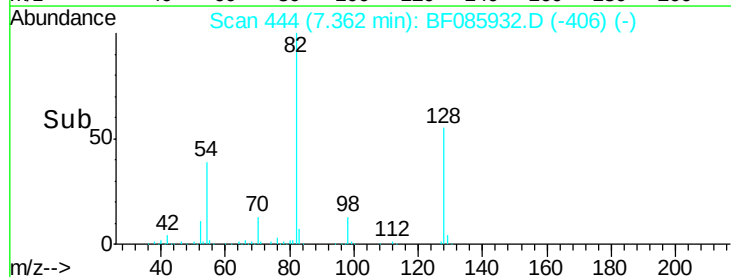
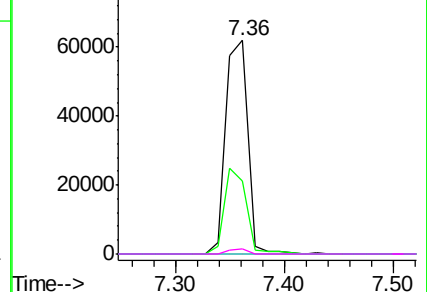


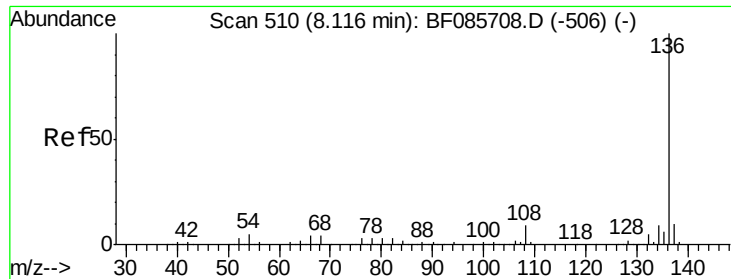
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

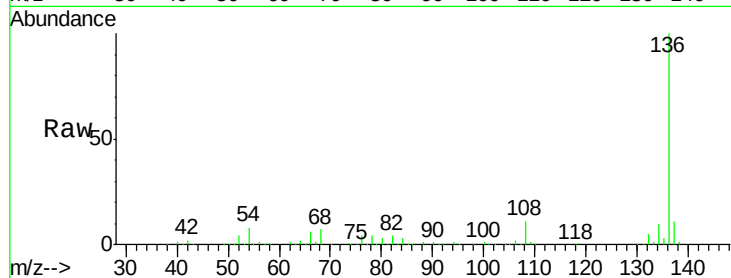




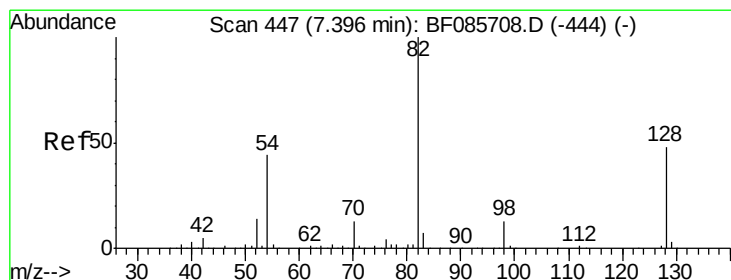
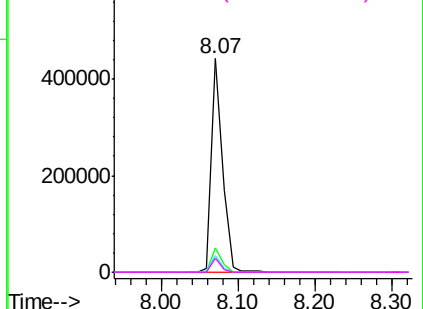
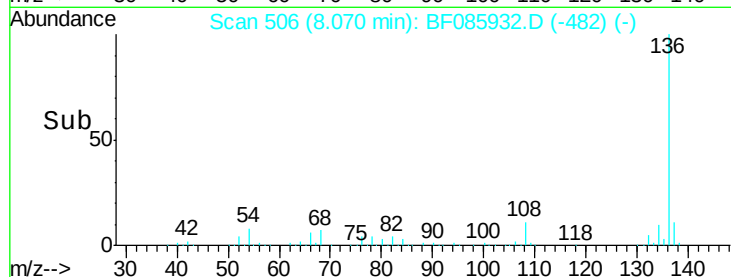
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 506
Delta R.T. -0.02 min
Lab File: BF085932.D
Acq: 31 Mar 2016 17:25

Instrument :
BNA_F
ClientSampleId :
MW-4

Tgt Ion:	136	Resp:	439503
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	8.0	7.4	11.0
68	6.5	5.8	8.8

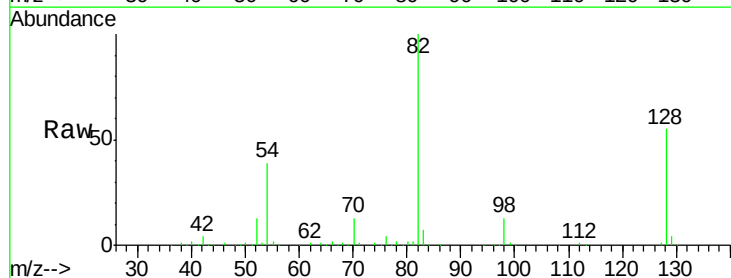


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

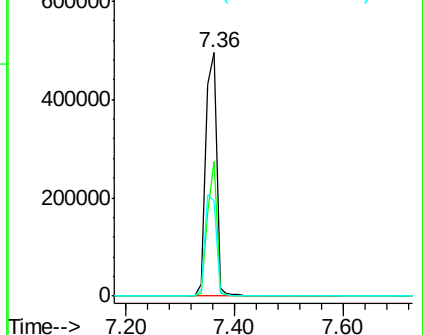
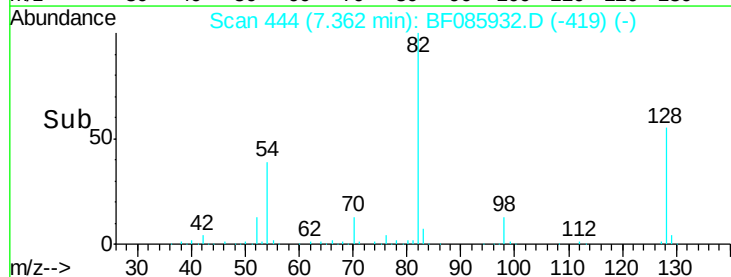


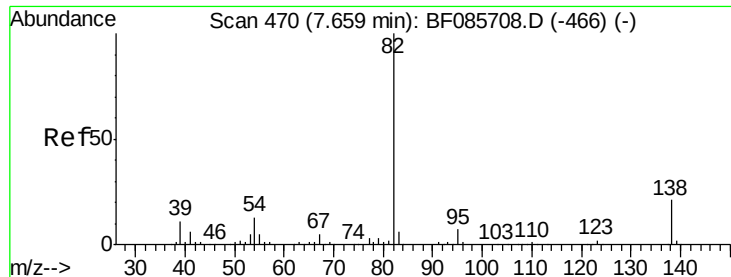
#23
Nitrobenzene-d5
Concen: 87.14 ng
RT: 7.36 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF085932.D
Acq: 31 Mar 2016 17:25

Tgt Ion:	82	Resp:	680091
Ion	Ratio	Lower	Upper
82	100		
128	55.4	41.8	62.8
54	38.8	33.4	50.0



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: 44.17 ng

RT: 7.36 min Scan# 444

Delta R.T. -0.27 min

Lab File: BF085932.D

Acq: 31 Mar 2016 17:25

Instrument :

BNA_F

ClientSampleId :

MW-4

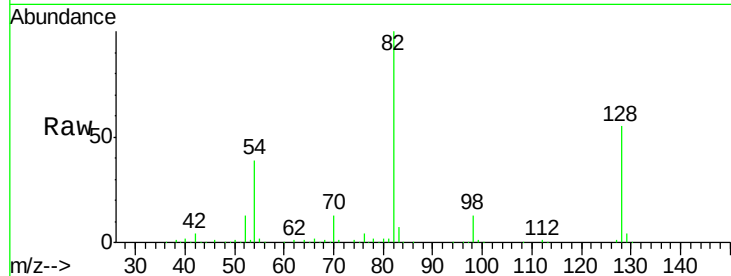
Tgt Ion: 82 Resp: 664064

Ion Ratio Lower Upper

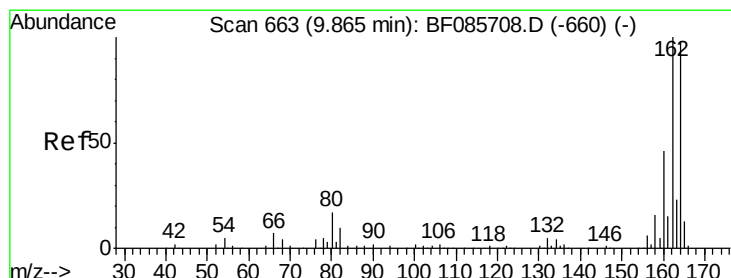
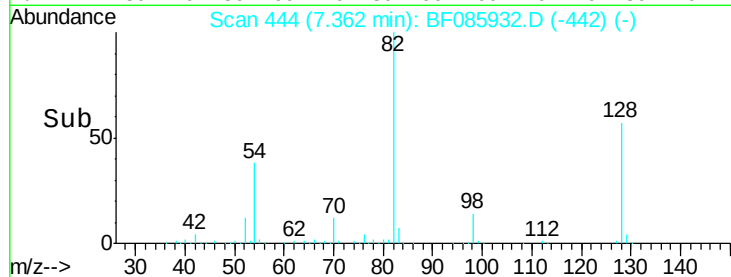
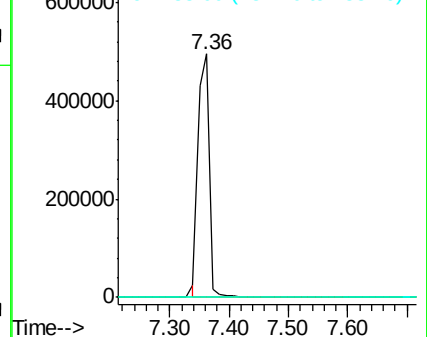
82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.83 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF085932.D

Acq: 31 Mar 2016 17:25

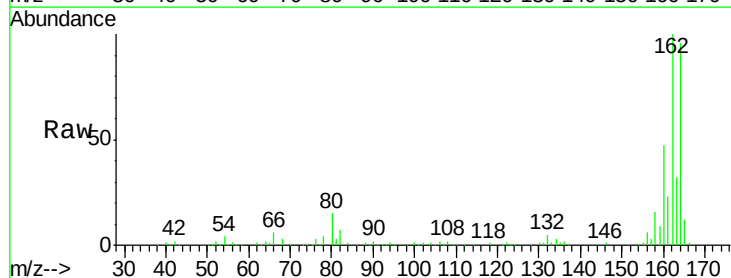
Tgt Ion: 164 Resp: 191940

Ion Ratio Lower Upper

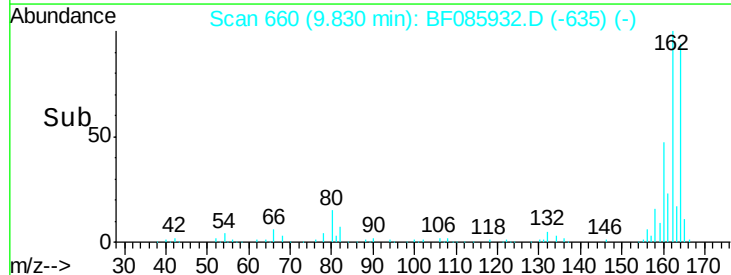
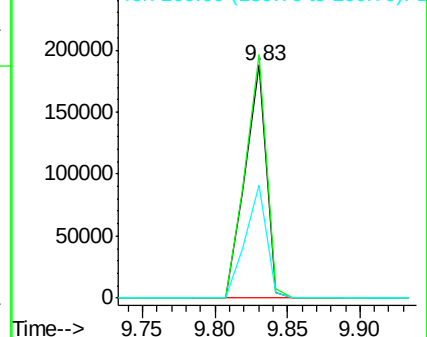
164 100

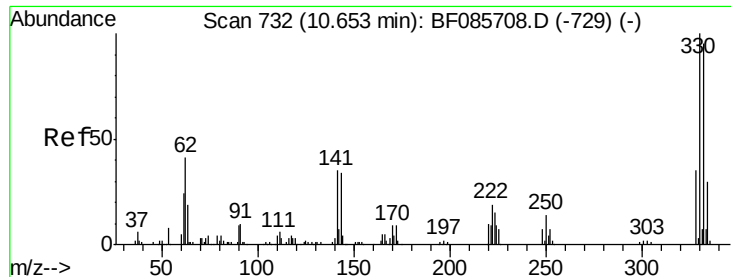
162 104.4 82.1 123.1

160 48.6 37.4 56.2



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

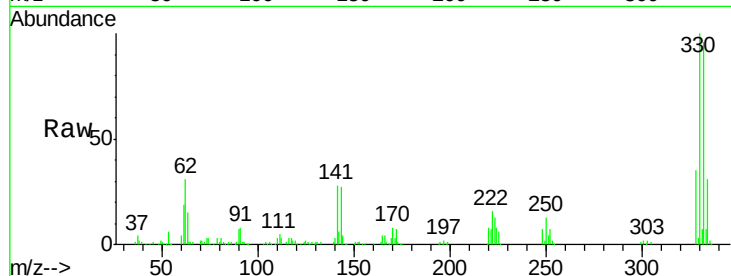




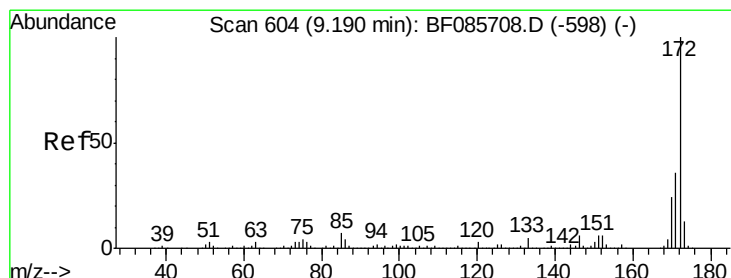
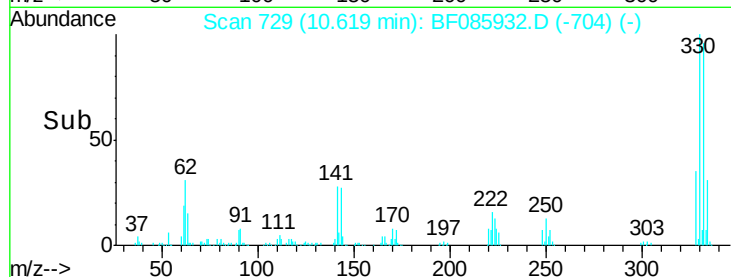
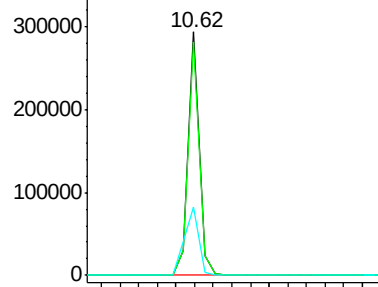
#41
 2,4,6-Tribromophenol
 Concen: 133.14 ng
 RT: 10.62 min Scan# 729
 Delta R.T. -0.01 min
 Lab File: BF085932.D
 Acq: 31 Mar 2016 17:25

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.2	117.2
141	36.5	31.5	47.3

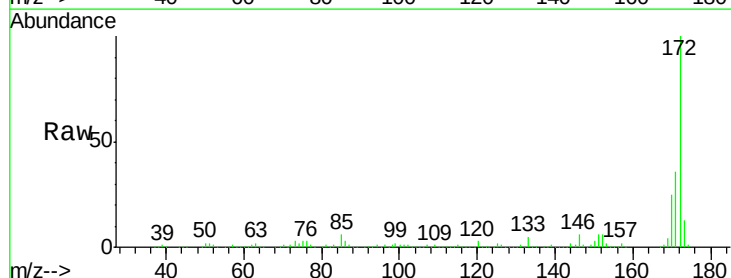


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

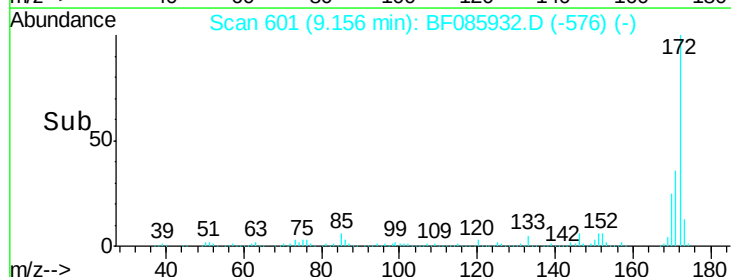
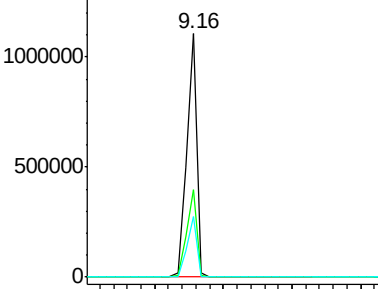


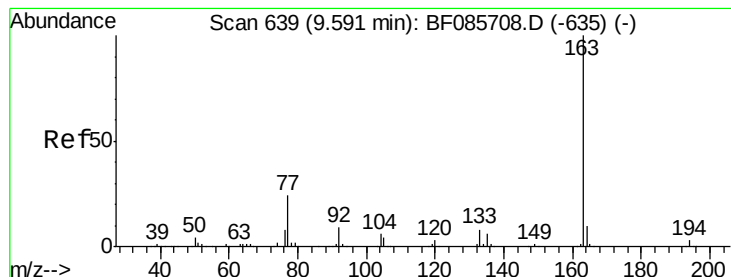
#44
 2-Fluorobiphenyl
 Concen: 98.75 ng
 RT: 9.16 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: BF085932.D
 Acq: 31 Mar 2016 17:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.2
170	24.9	19.8	29.6



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: 2.15 ng

RT: 9.54 min Scan# 635

Delta R.T. -0.02 min

Lab File: BF085932.D

Acq: 31 Mar 2016 17:25

Instrument :

BNA_F

ClientSampleId :

MW-4

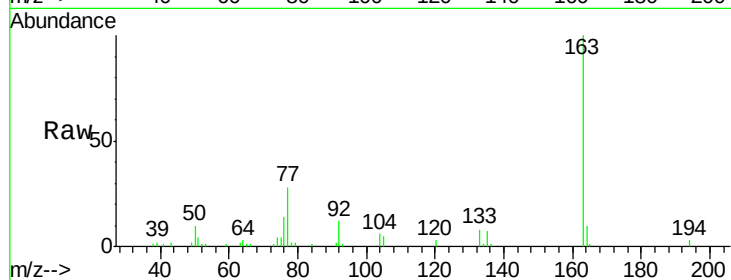
Tgt Ion:163 Resp: 31311

Ion Ratio Lower Upper

163 100

194 3.5 2.9 4.3

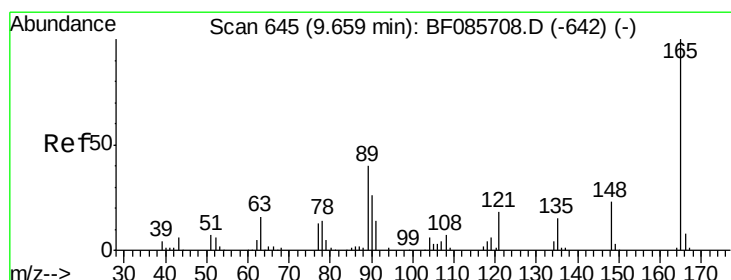
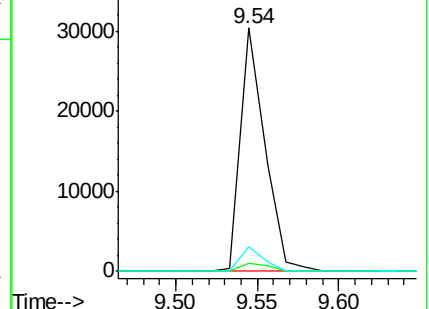
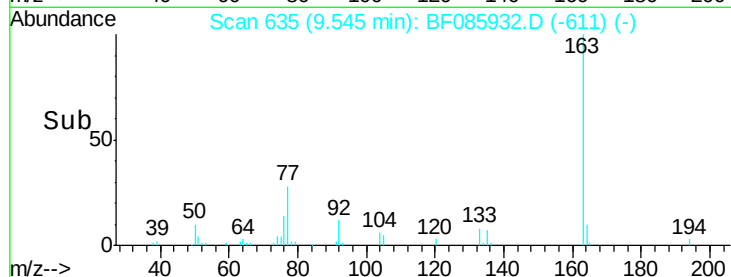
164 10.1 8.3 12.5



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: 7.68 ng

RT: 9.83 min Scan# 660

Delta R.T. 0.19 min

Lab File: BF085932.D

Acq: 31 Mar 2016 17:25

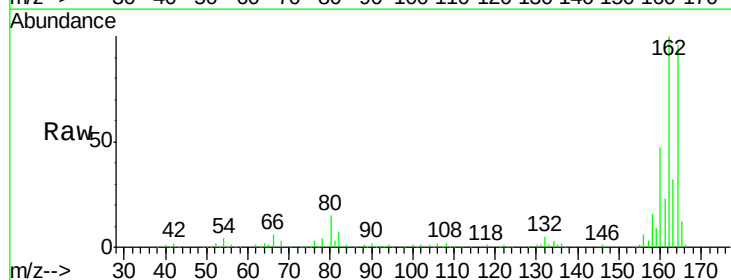
Tgt Ion:165 Resp: 24060

Ion Ratio Lower Upper

165 100

63 1.5 51.8 77.8#

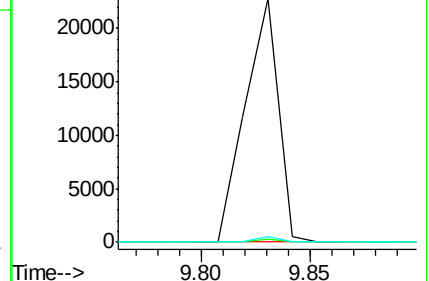
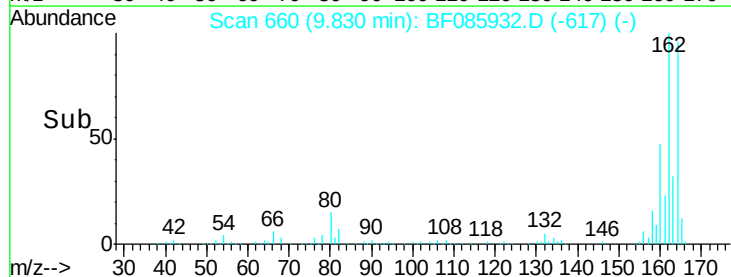
89 2.2 53.7 80.5#

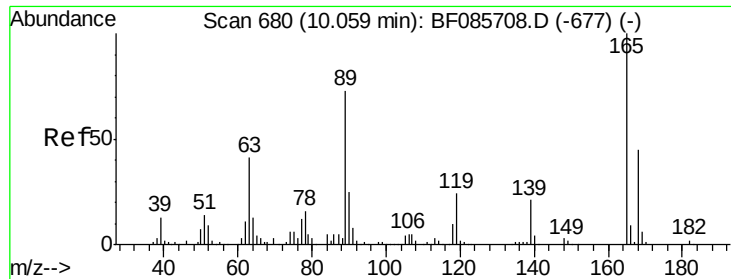


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.04 ng

RT: 9.83 min Scan# 660

Delta R.T. -0.21 min

Lab File: BF085932.D

Acq: 31 Mar 2016 17:25

Instrument :

BNA_F

ClientSampleId :

MW-4

Tgt Ion:165 Resp: 24060

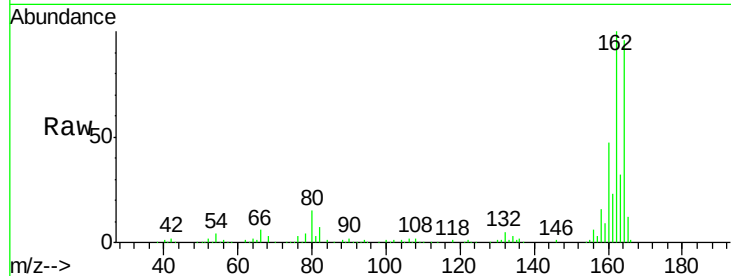
Ion Ratio Lower Upper

165 100

63 1.5 24.9 37.3#

89 2.2 41.0 61.6#

182 0.0 2.1 3.1#

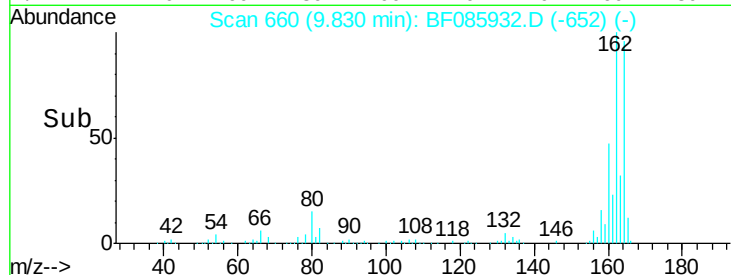


Abundance Ion 165.00 (164.70 to 165.70): E

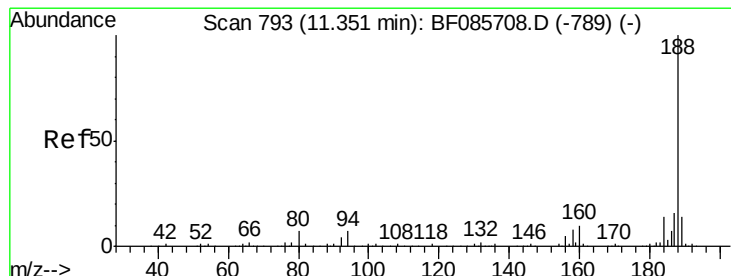
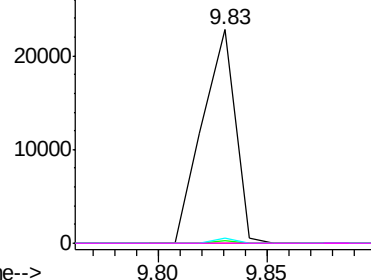
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 789

Delta R.T. -0.02 min

Lab File: BF085932.D

Acq: 31 Mar 2016 17:25

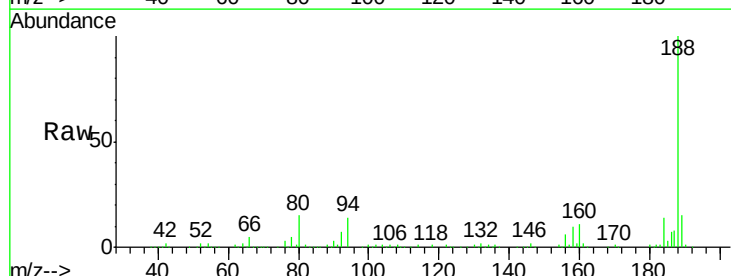
Tgt Ion:188 Resp: 327214

Ion Ratio Lower Upper

188 100

94 13.5 5.4 8.0#

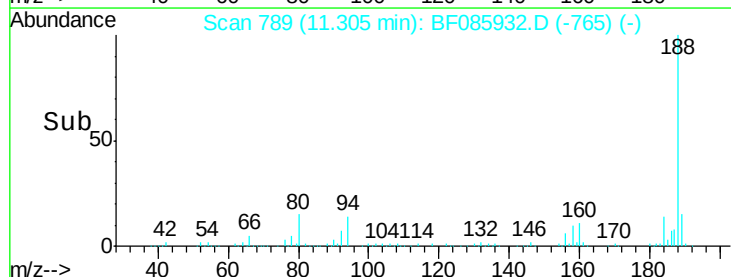
80 14.7 5.5 8.3#



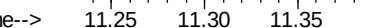
Abundance Ion 188.00 (187.70 to 188.70): E

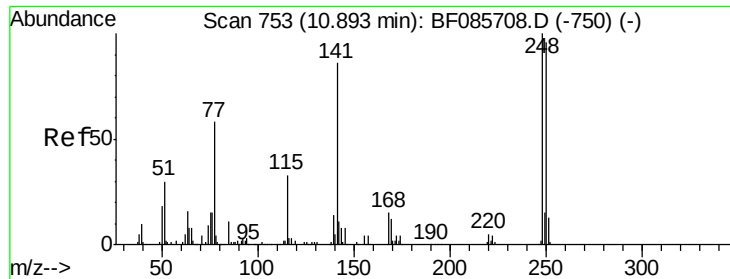
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->

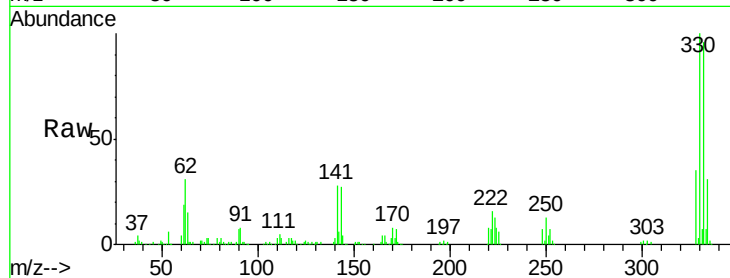




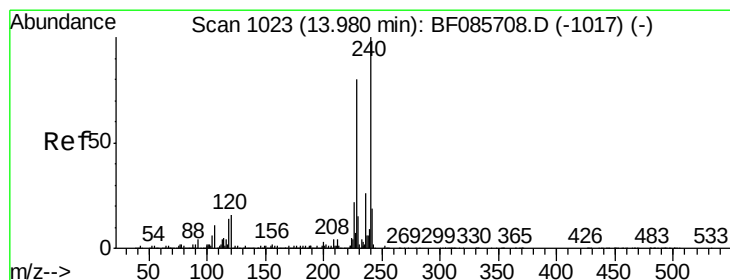
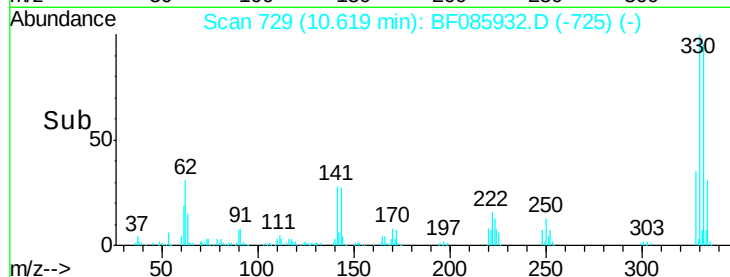
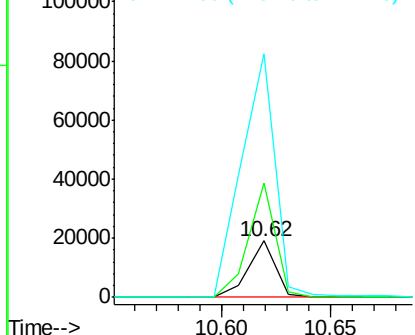
#66
4-Bromophenyl-phenylether
Concen: 4.94 ng
RT: 10.62 min Scan# 729
Delta R.T. -0.25 min
Lab File: BF085932.D
Acq: 31 Mar 2016 17:25

Instrument :
BNA_F
ClientSampleId :
MW-4

Tgt Ion:248 Resp: 16548
Ion Ratio Lower Upper
248 100
250 201.3 77.4 116.0#
141 429.7 63.6 95.4#

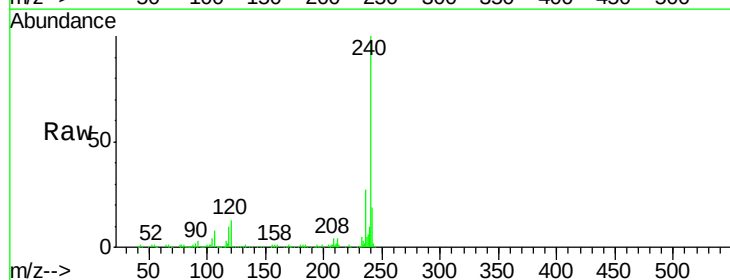


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

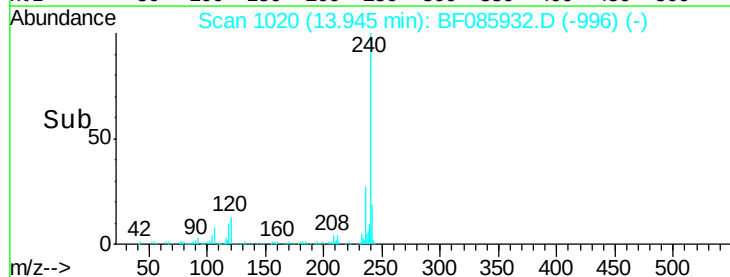
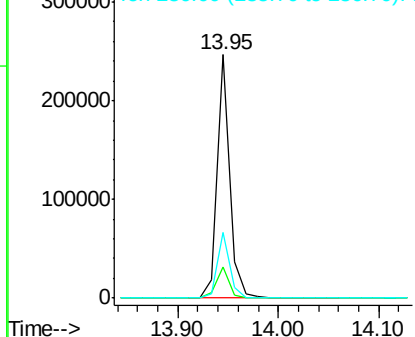


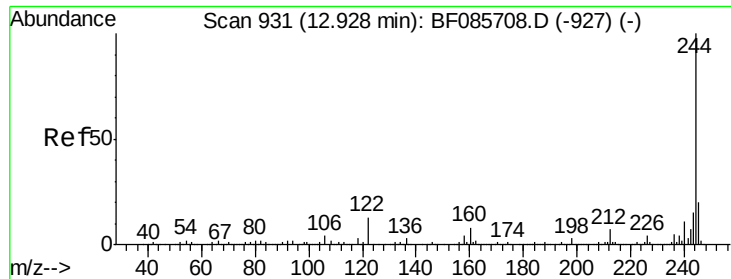
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF085932.D
Acq: 31 Mar 2016 17:25

Tgt Ion:240 Resp: 213047
Ion Ratio Lower Upper
240 100
120 12.7 13.8 20.8#
236 26.9 20.6 30.8



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

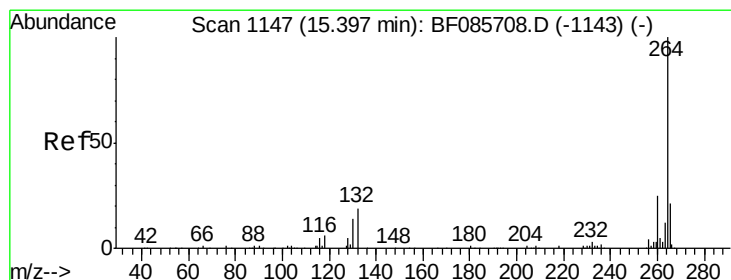
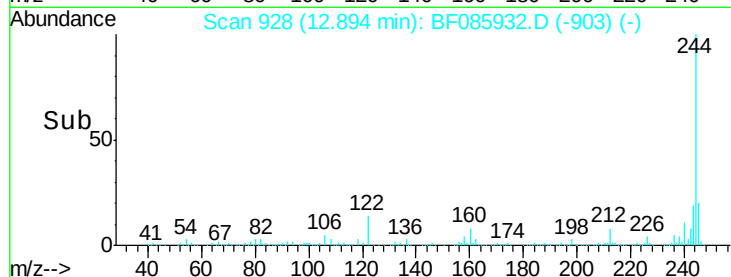
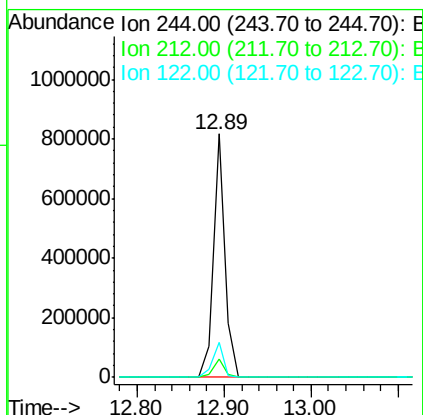
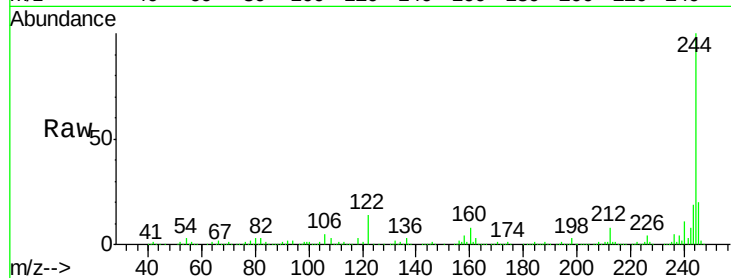




#78
 Terphenyl-d14
 Concen: 73.56 ng
 RT: 12.89 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: BF085932.D
 Acq: 31 Mar 2016 17:25

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Tgt Ion:244 Resp: 762058
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.1 9.1
 122 14.2 10.2 15.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BF085932.D
 Acq: 31 Mar 2016 17:25

Tgt Ion:264 Resp: 202708
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.4 29.2
 265 21.3 17.2 25.8

