

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033116\
 Data File : BF085933.D
 Acq On : 31 Mar 2016 17:54
 Operator : UM/SJ
 Sample : H1954-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Quant Time: Mar 31 21:46:43 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

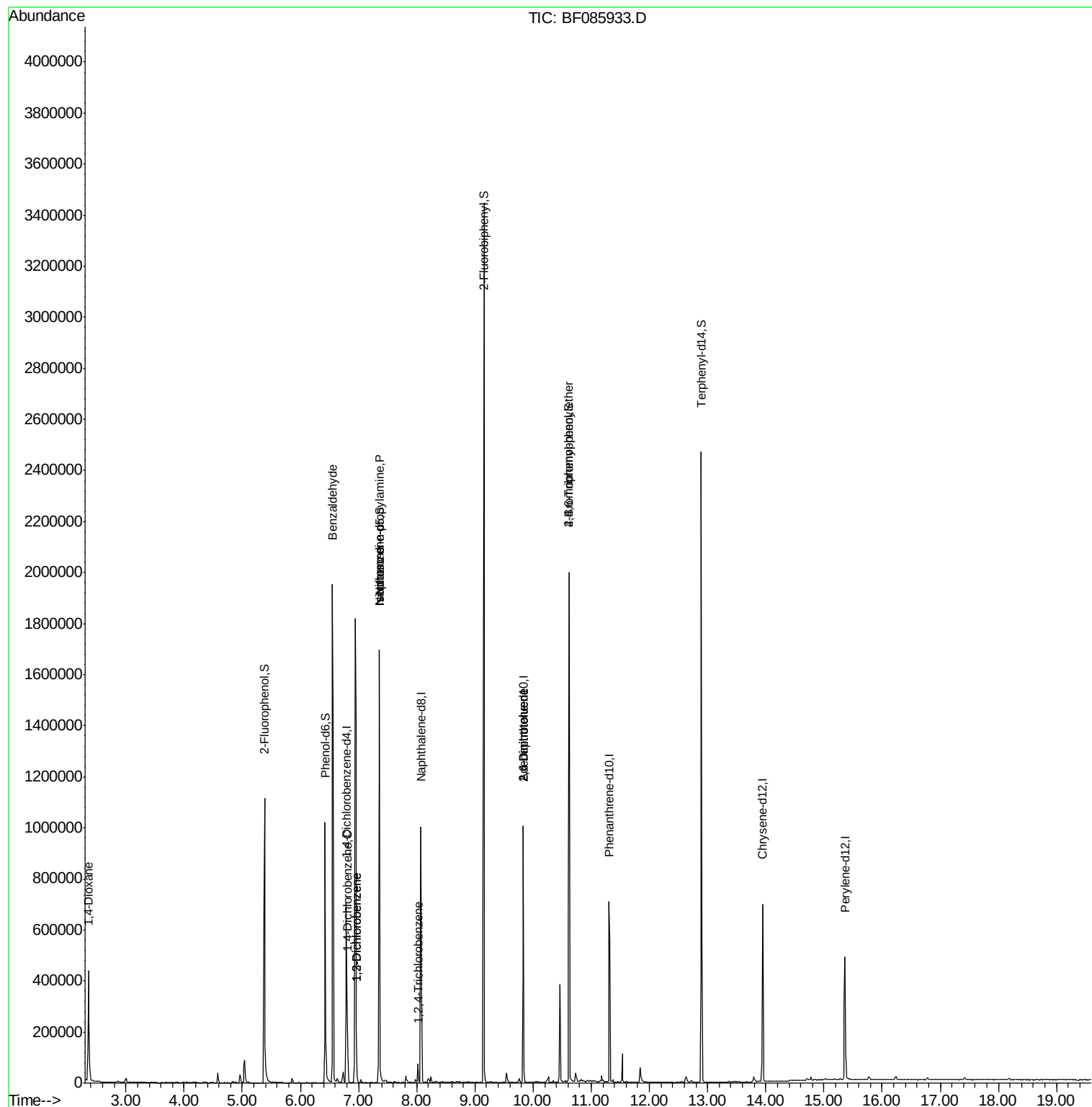
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	119254	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	473222	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	215368	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	356725	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	225726	20.00	ng	-0.02
86) Perylene-d12	15.36	264	221348	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	456610	63.77	ng	-0.01
7) Phenol-d6	6.42	99	378514	41.58	ng	-0.02
23) Nitrobenzene-d5	7.36	82	757985	90.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	248360	121.37	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1204979	93.48	ng	-0.01
78) Terphenyl-d14	12.89	244	771049	70.25	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.36	88	235167	68.78	ng	98
9) Benzaldehyde	6.55	77	16023	2.92	ng	# 75
12) 1,3-Dichlorobenzene	6.96	146	50515	5.64	ng	97
13) 1,4-Dichlorobenzene	6.80	146	79051	8.70	ng	98
14) 1,2-Dichlorobenzene	6.96	146	50509	5.97	ng	98
19) n-Nitroso-di-n-propylamine	7.36	70	98857	18.13	ng	# 75
25) Isophorone	7.36	82	741972	45.83	ng	# 68
30) 1,2,4-Trichlorobenzene	8.02	180	18788	2.66	ng	90
50) 2,6-Dinitrotoluene	9.83	165	27802	7.90	ng	# 19
56) 2,4-Dinitrotoluene	9.83	165	27802	6.22	ng	# 37
66) 4-Bromophenyl-phenylether	10.62	248	17238	4.72	ng	# 1

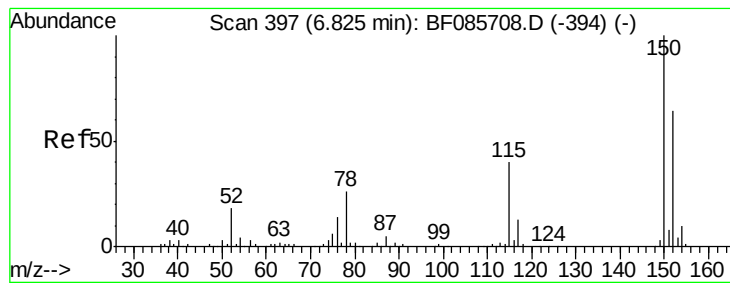
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF085933.D

Acq: 31 Mar 2016 17:54

Instrument :

BNA_F

ClientSampleId :

DUP-1

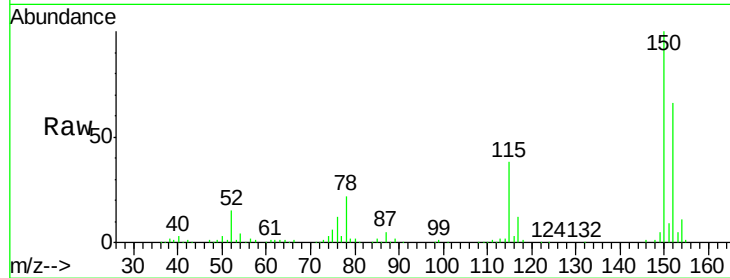
Tgt Ion:152 Resp: 119254

Ion Ratio Lower Upper

152 100

150 151.8 124.2 186.2

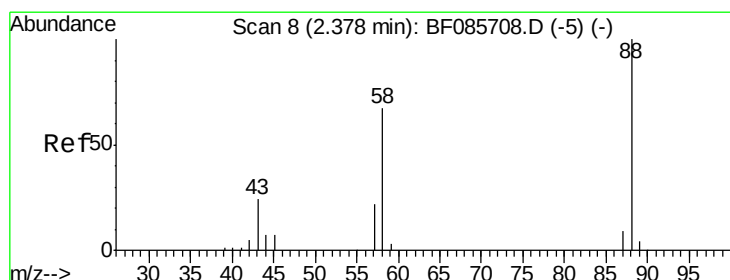
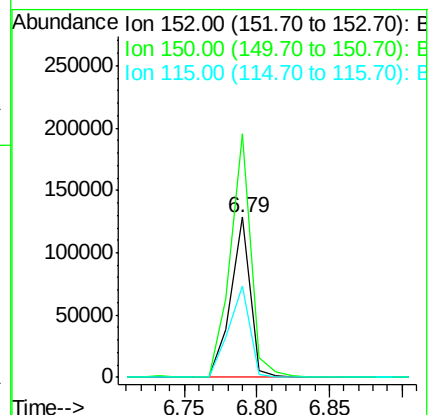
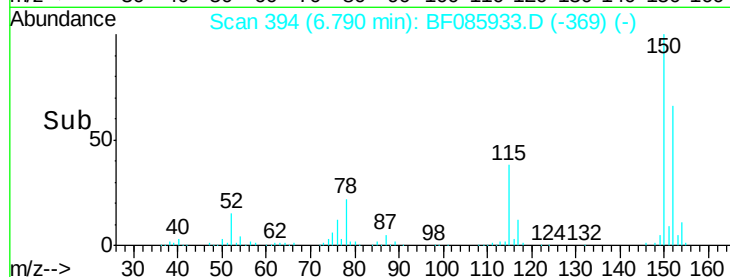
115 57.0 47.0 70.6



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: 68.78 ng

RT: 2.36 min Scan# 6

Delta R.T. 0.02 min

Lab File: BF085933.D

Acq: 31 Mar 2016 17:54

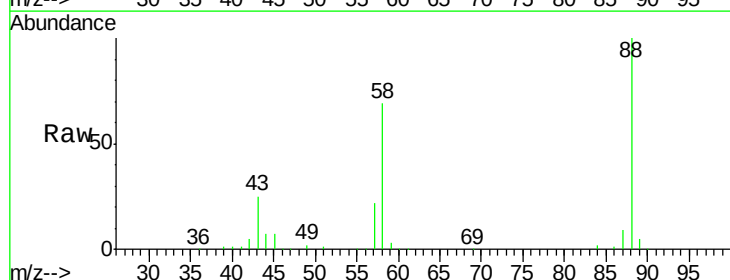
Tgt Ion: 88 Resp: 235167

Ion Ratio Lower Upper

88 100

58 69.4 54.2 81.2

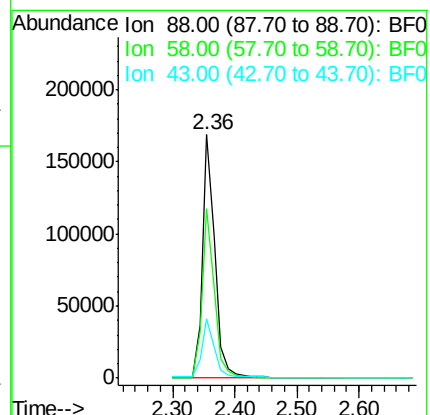
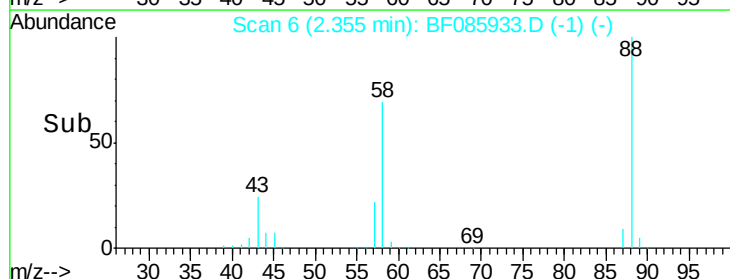
43 24.2 19.3 28.9

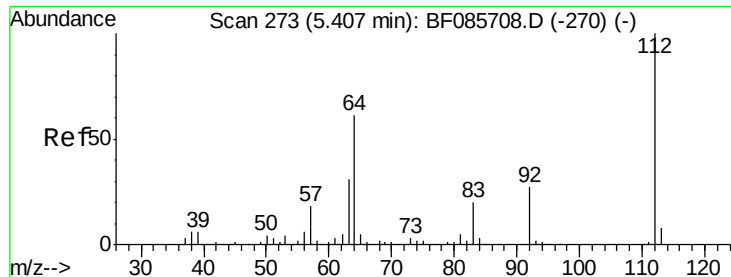


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 63.77 ng

RT: 5.38 min Scan# 271

Delta R.T. -0.01 min

Lab File: BF085933.D

Acq: 31 Mar 2016 17:54

Instrument :

BNA_F

ClientSampleId :

DUP-1

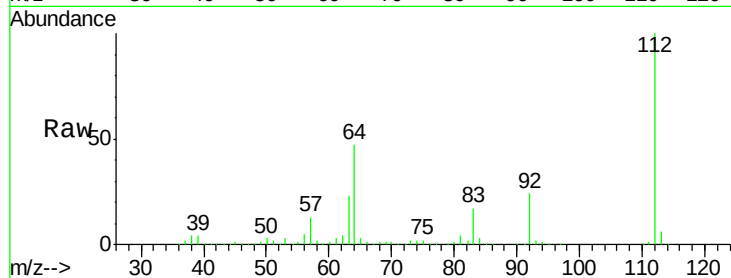
Tgt Ion: 112 Resp: 456610

Ion Ratio Lower Upper

112 100

64 46.6 39.9 59.9

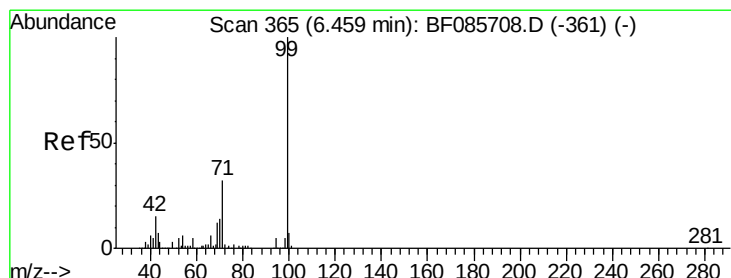
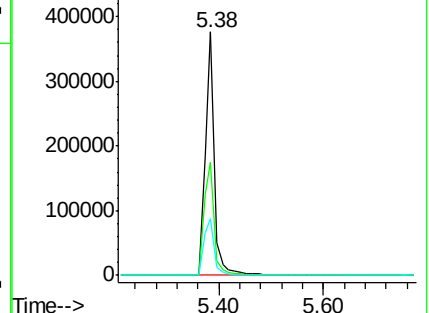
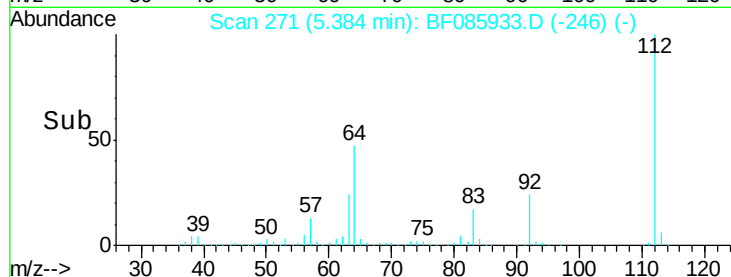
63 23.5 20.2 30.2



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: 41.58 ng

RT: 6.42 min Scan# 362

Delta R.T. -0.02 min

Lab File: BF085933.D

Acq: 31 Mar 2016 17:54

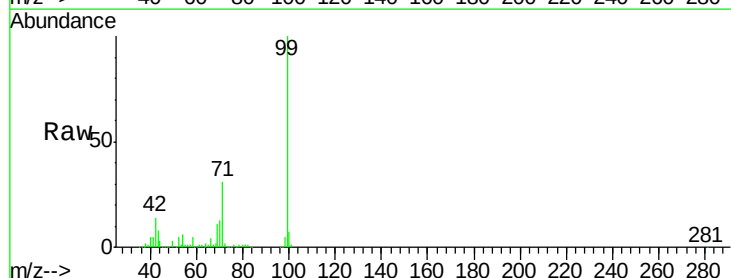
Tgt Ion: 99 Resp: 378514

Ion Ratio Lower Upper

99 100

42 14.1 11.1 16.7

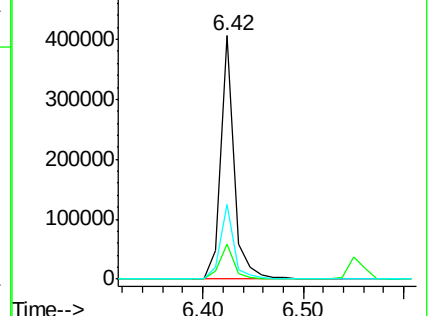
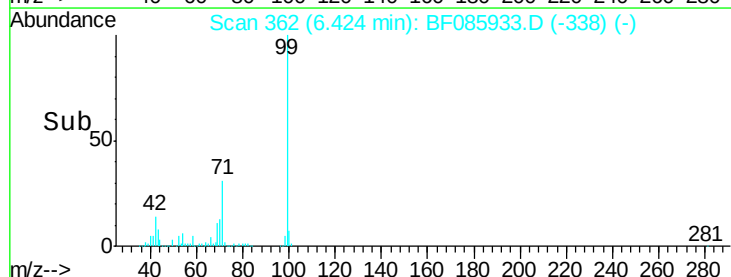
71 30.9 24.9 37.3

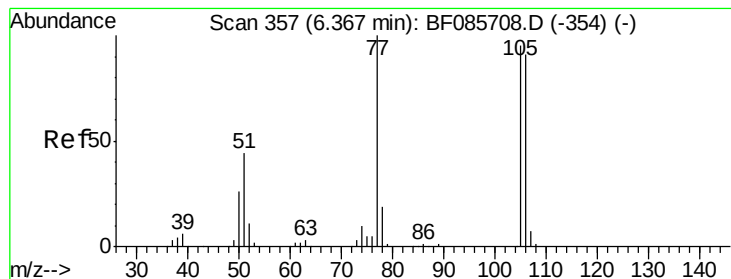


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 2.92 ng

RT: 6.55 min Scan# 373

Delta R.T. 0.21 min

Lab File: BF085933.D

Acq: 31 Mar 2016 17:54

Instrument :

BNA_F

ClientSampleId :

DUP-1

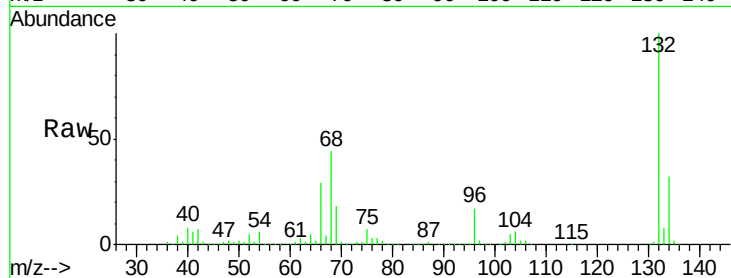
Tgt Ion: 77 Resp: 16023

Ion Ratio Lower Upper

77 100

105 74.7 80.1 120.1#

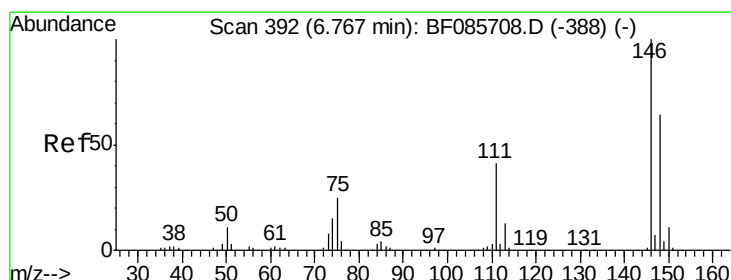
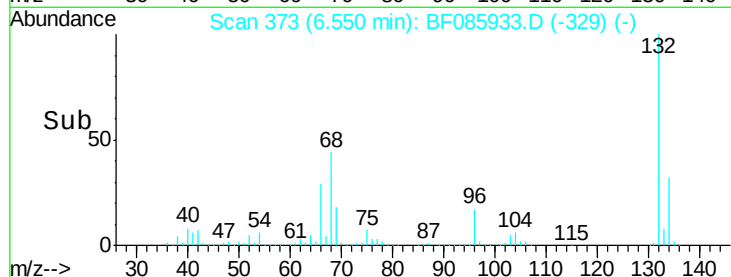
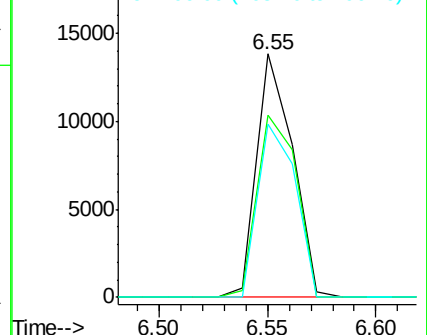
106 71.1 75.0 115.0#



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



#12

1,3-Dichlorobenzene

Concen: 5.64 ng

RT: 6.96 min Scan# 409

Delta R.T. 0.22 min

Lab File: BF085933.D

Acq: 31 Mar 2016 17:54

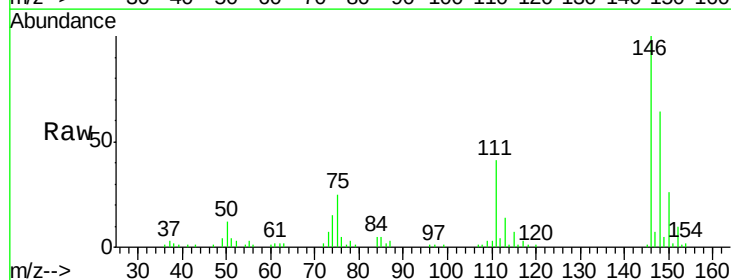
Tgt Ion: 146 Resp: 50515

Ion Ratio Lower Upper

146 100

148 64.1 52.3 78.5

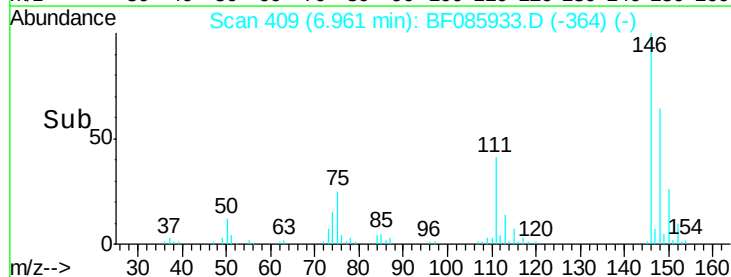
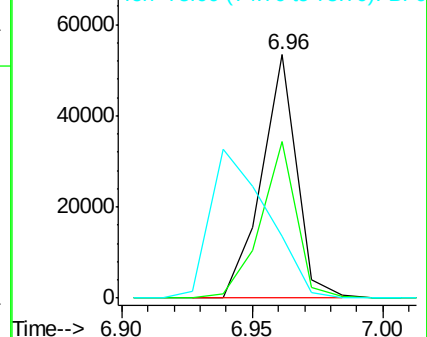
75 25.2 17.4 26.2

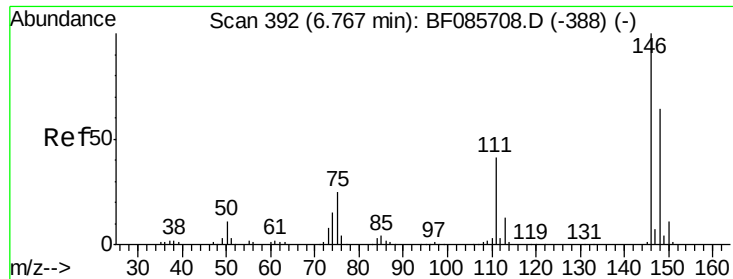


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

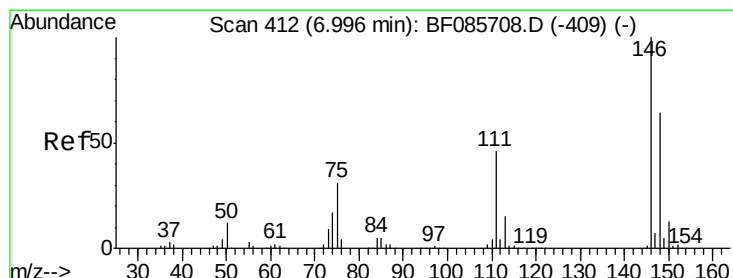
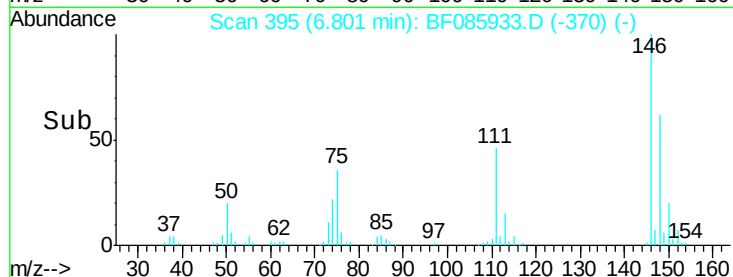
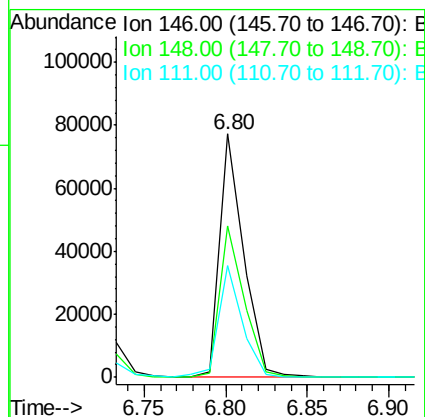
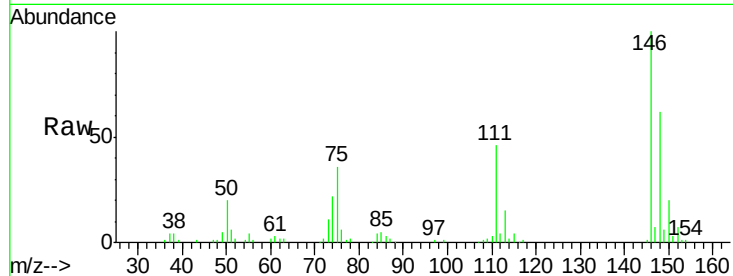




#13
 1,4-Dichlorobenzene
 Concen: 8.70 ng
 RT: 6.80 min Scan# 395
 Delta R.T. -0.01 min
 Lab File: BF085933.D
 Acq: 31 Mar 2016 17:54

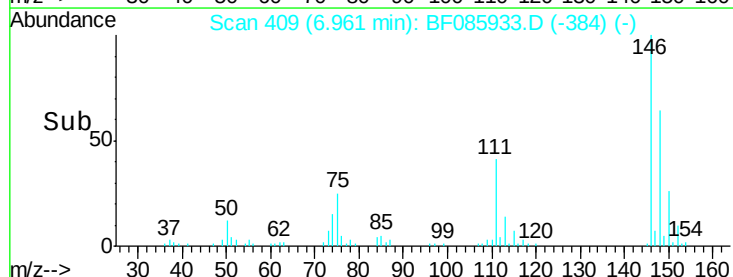
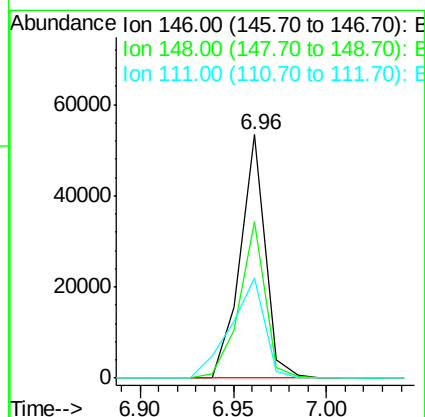
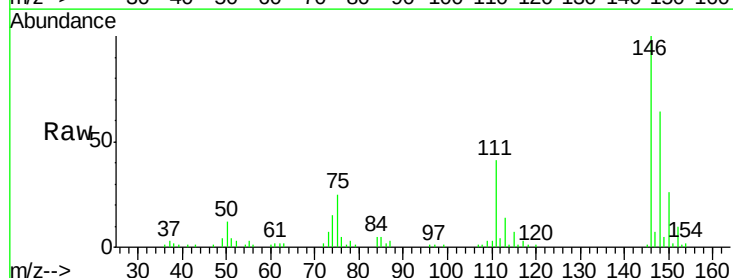
Instrument :
 BNA_F
 ClientSampled :
 DUP-1

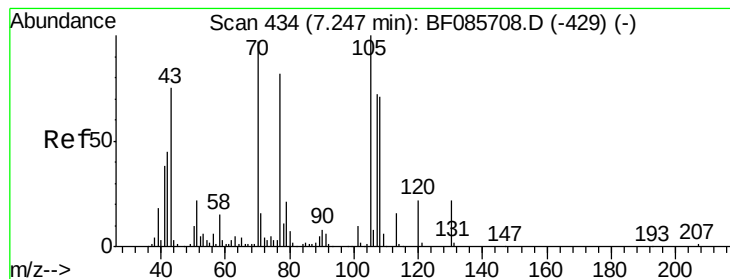
Tgt Ion:146 Resp: 79051
 Ion Ratio Lower Upper
 146 100
 148 62.0 50.6 76.0
 111 45.8 37.8 56.6



#14
 1,2-Dichlorobenzene
 Concen: 5.97 ng
 RT: 6.96 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: BF085933.D
 Acq: 31 Mar 2016 17:54

Tgt Ion:146 Resp: 50509
 Ion Ratio Lower Upper
 146 100
 148 64.1 51.4 77.2
 111 41.0 34.6 52.0





#19

n-Nitroso-di-n-propylamine

Concen: 18.13 ng

RT: 7.36 min Scan# 444

Delta R.T. 0.14 min

Lab File: BF085933.D

Acq: 31 Mar 2016 17:54

Instrument :

BNA_F

ClientSampleId :

DUP-1

Tgt Ion: 70 Resp: 98857

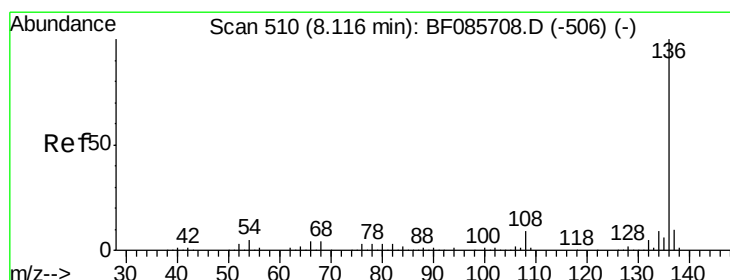
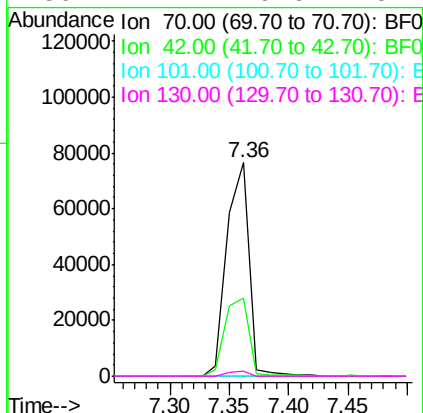
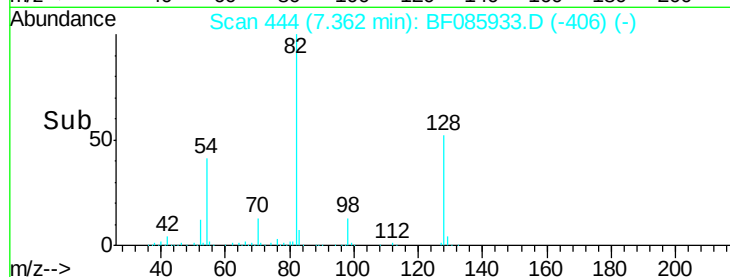
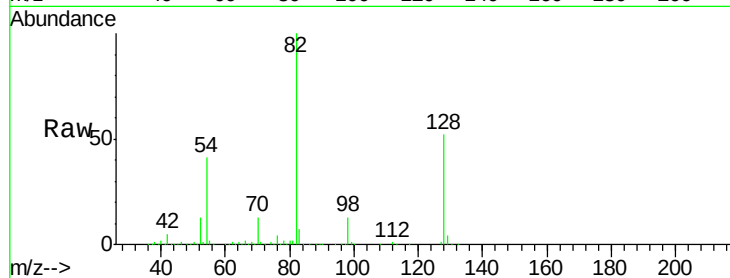
Ion Ratio Lower Upper

70 100

42 36.4 37.1 55.7#

101 0.0 8.6 12.8#

130 2.7 19.6 29.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 506

Delta R.T. -0.02 min

Lab File: BF085933.D

Acq: 31 Mar 2016 17:54

Tgt Ion: 136 Resp: 473222

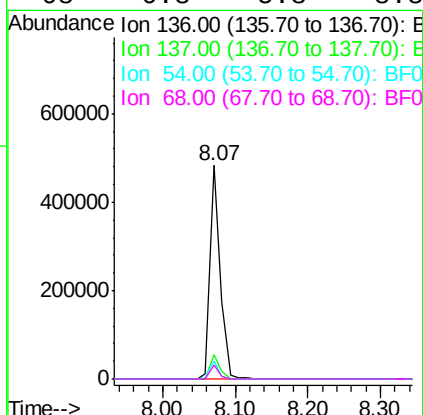
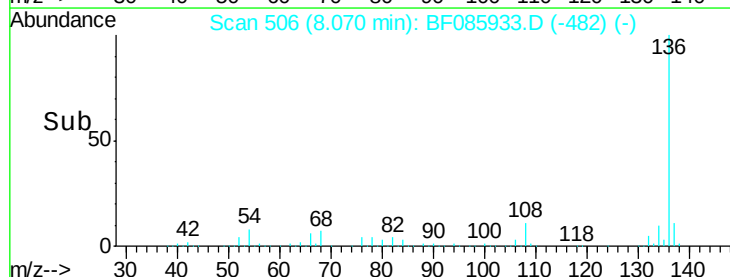
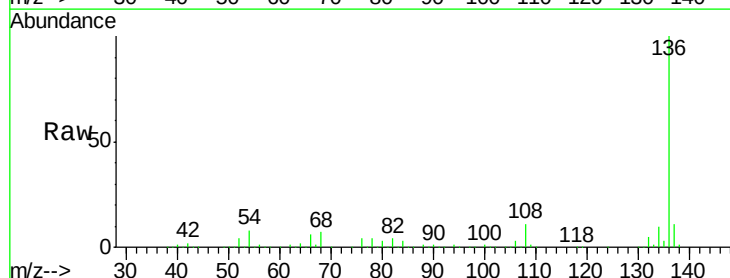
Ion Ratio Lower Upper

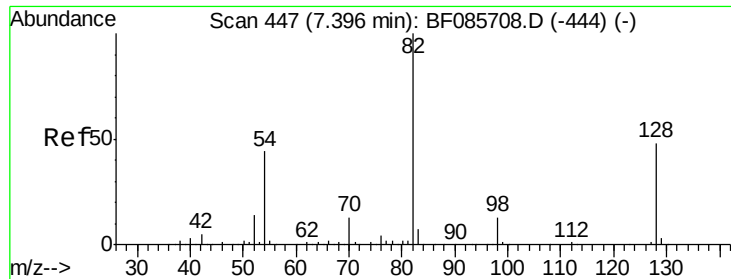
136 100

137 11.3 9.1 13.7

54 8.2 7.4 11.0

68 6.8 5.8 8.8

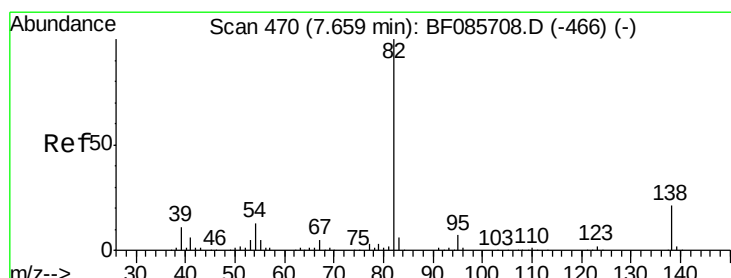
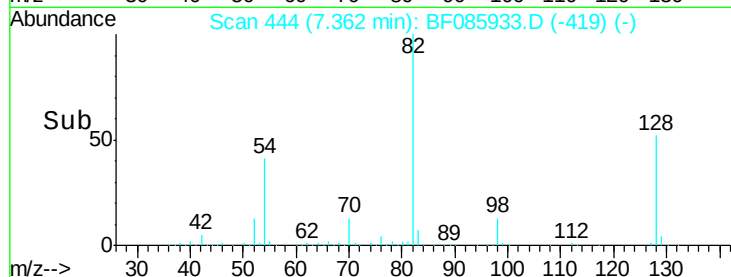
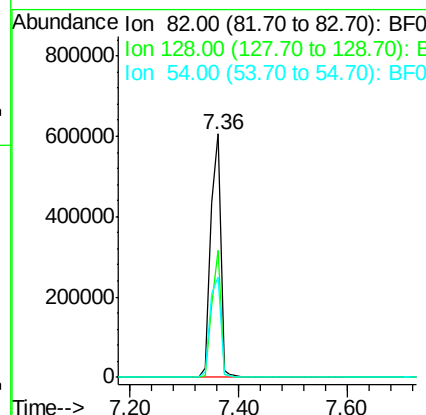
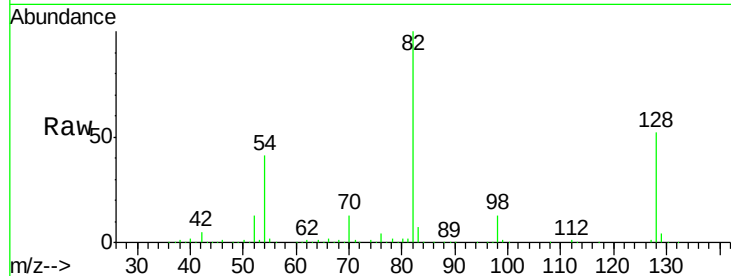




#23
 Nitrobenzene-d5
 Concen: 90.20 ng
 RT: 7.36 min Scan# 444
 Delta R.T. -0.01 min
 Lab File: BF085933.D
 Acq: 31 Mar 2016 17:54

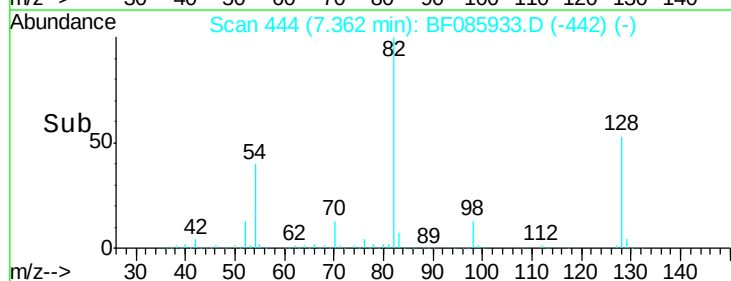
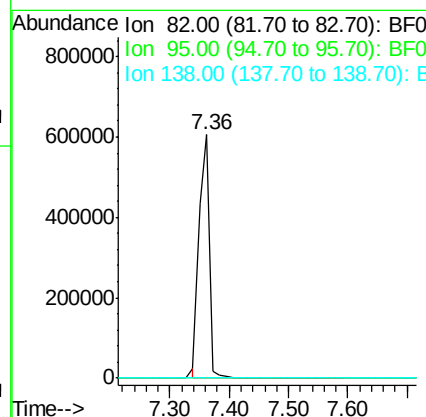
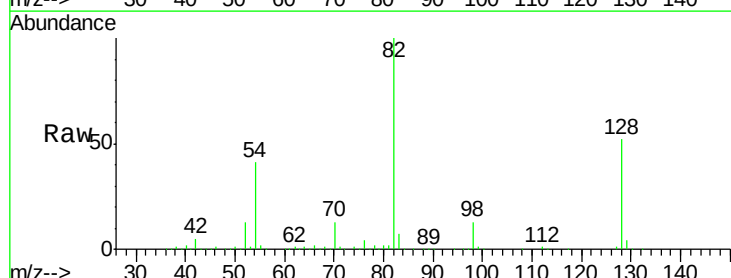
Instrument :
 BNA_F
 ClientSampleID :
 DUP-1

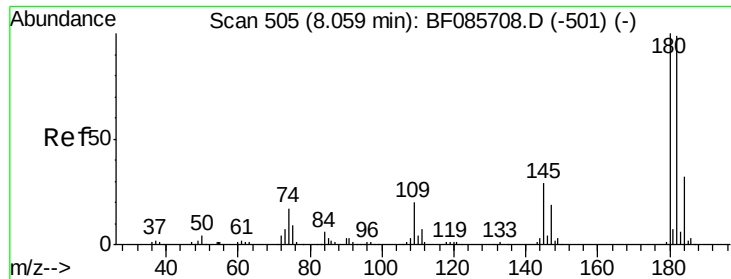
Tgt Ion: 82 Resp: 757985
 Ion Ratio Lower Upper
 82 100
 128 52.2 41.8 62.8
 54 41.1 33.4 50.0



#25
 Isophorone
 Concen: 45.83 ng
 RT: 7.36 min Scan# 444
 Delta R.T. -0.27 min
 Lab File: BF085933.D
 Acq: 31 Mar 2016 17:54

Tgt Ion: 82 Resp: 741972
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 12.9 19.3#

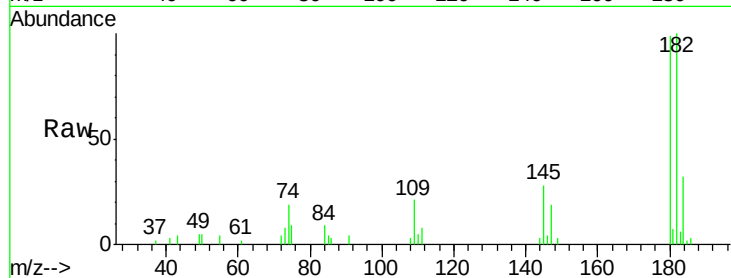




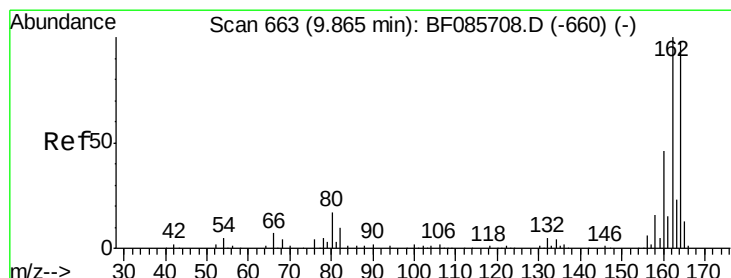
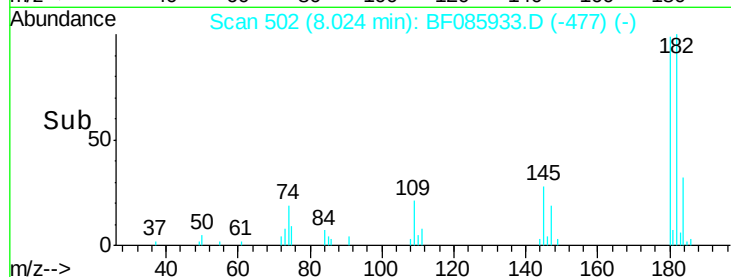
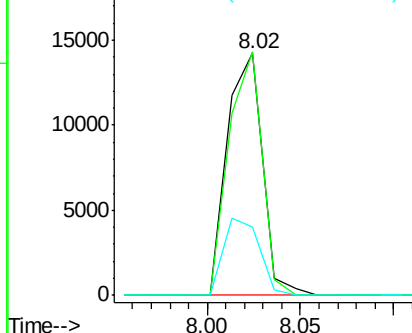
#30
 1,2,4-Trichlorobenzene
 Concen: 2.66 ng
 RT: 8.02 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: BF085933.D
 Acq: 31 Mar 2016 17:54

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Tgt Ion:180 Resp: 18788
 Ion Ratio Lower Upper
 180 100
 182 100.5 73.8 110.8
 145 28.4 28.4 42.6

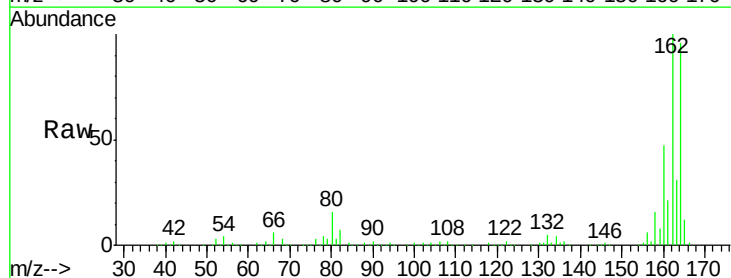


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

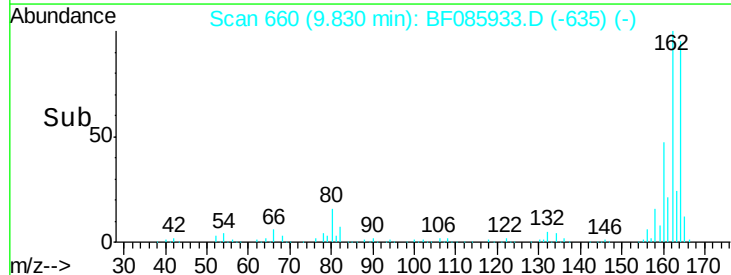
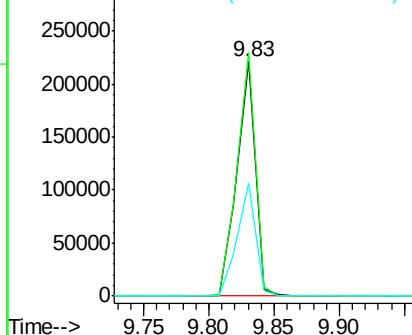


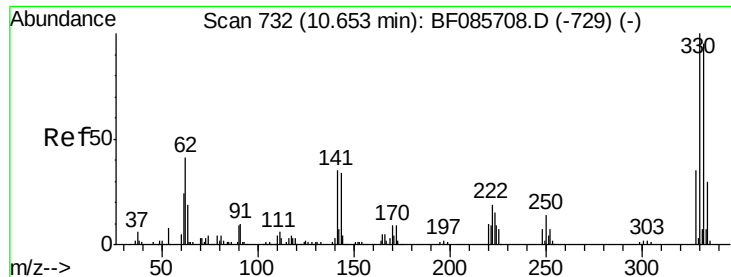
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.83 min Scan# 660
 Delta R.T. -0.01 min
 Lab File: BF085933.D
 Acq: 31 Mar 2016 17:54

Tgt Ion:164 Resp: 215368
 Ion Ratio Lower Upper
 164 100
 162 104.0 82.1 123.1
 160 48.5 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

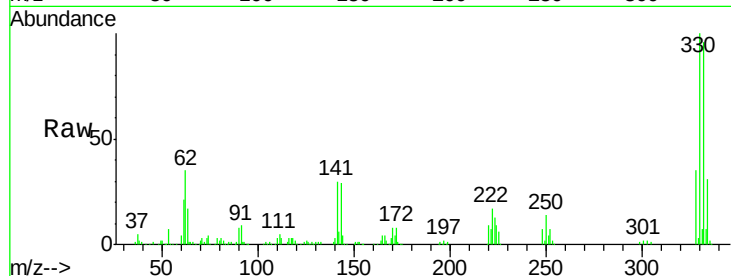




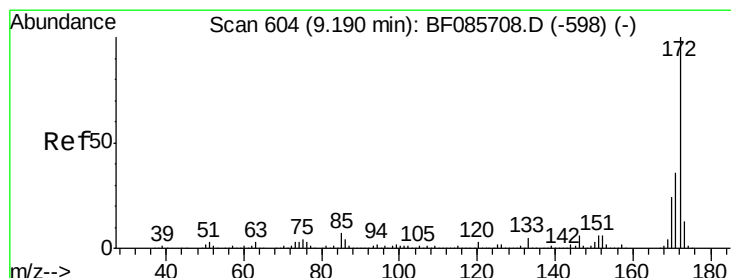
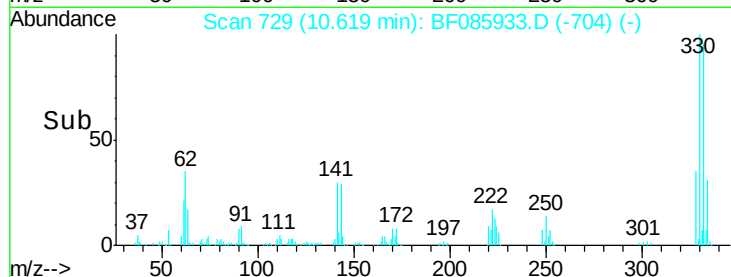
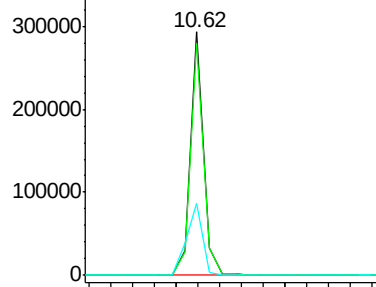
#41
 2,4,6-Tribromophenol
 Concen: 121.37 ng
 RT: 10.62 min Scan# 729
 Delta R.T. -0.01 min
 Lab File: BF085933.D
 Acq: 31 Mar 2016 17:54

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Tgt Ion:330 Resp: 248360
 Ion Ratio Lower Upper
 330 100
 332 96.0 78.2 117.2
 141 36.8 31.5 47.3

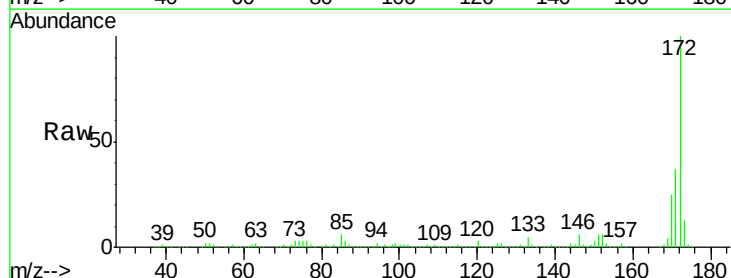


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

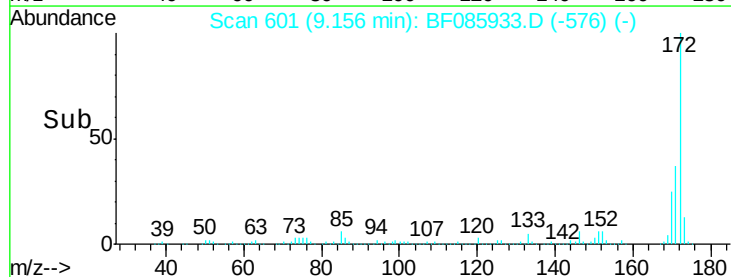
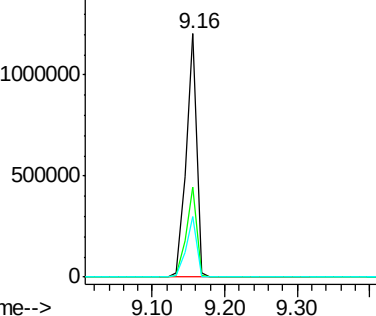


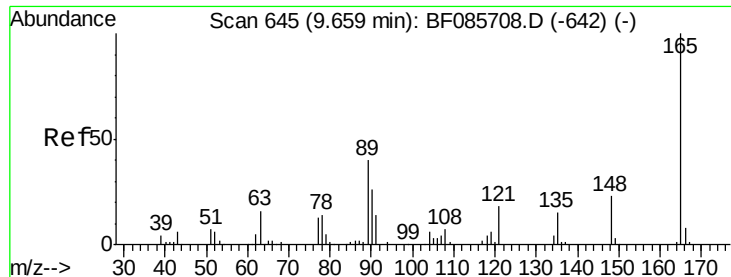
#44
 2-Fluorobiphenyl
 Concen: 93.48 ng
 RT: 9.16 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: BF085933.D
 Acq: 31 Mar 2016 17:54

Tgt Ion:172 Resp: 1204979
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.4 44.2
 170 25.0 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

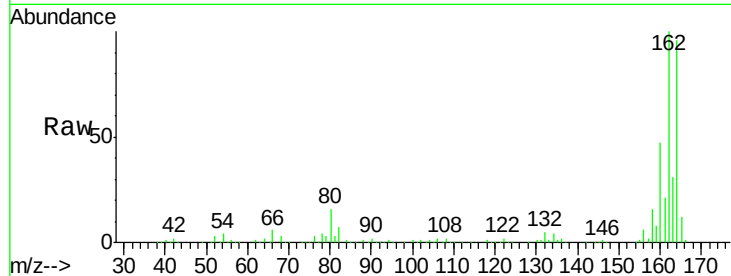




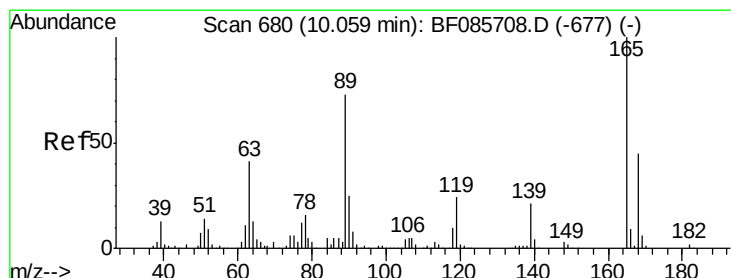
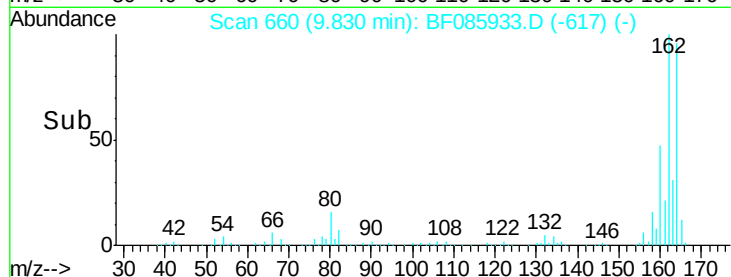
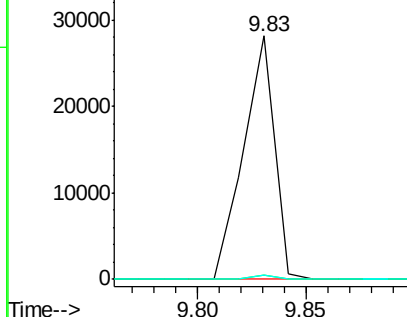
#50
 2,6-Dinitrotoluene
 Concen: 7.90 ng
 RT: 9.83 min Scan# 660
 Delta R.T. 0.19 min
 Lab File: BF085933.D
 Acq: 31 Mar 2016 17:54

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Tgt Ion:165 Resp: 27802
 Ion Ratio Lower Upper
 165 100
 63 1.7 51.8 77.8#
 89 1.9 53.7 80.5#



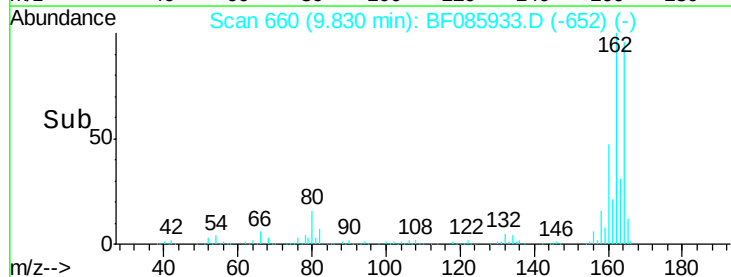
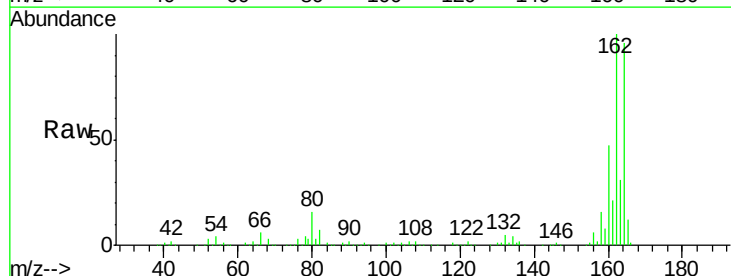
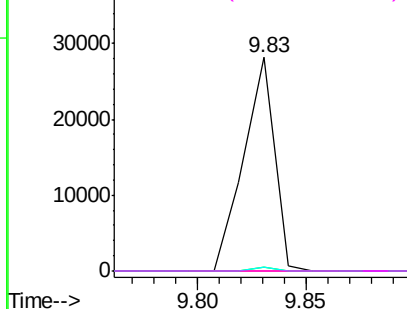
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

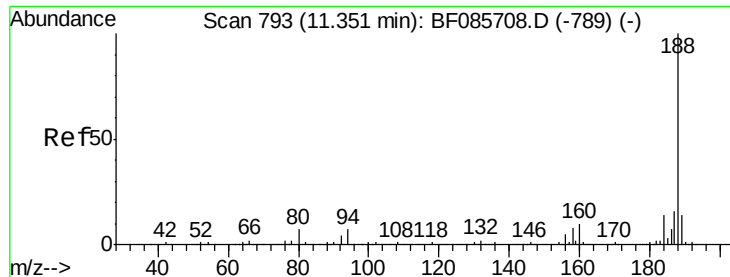


#56
 2,4-Dinitrotoluene
 Concen: 6.22 ng
 RT: 9.83 min Scan# 660
 Delta R.T. -0.21 min
 Lab File: BF085933.D
 Acq: 31 Mar 2016 17:54

Tgt Ion:165 Resp: 27802
 Ion Ratio Lower Upper
 165 100
 63 1.7 24.9 37.3#
 89 1.9 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

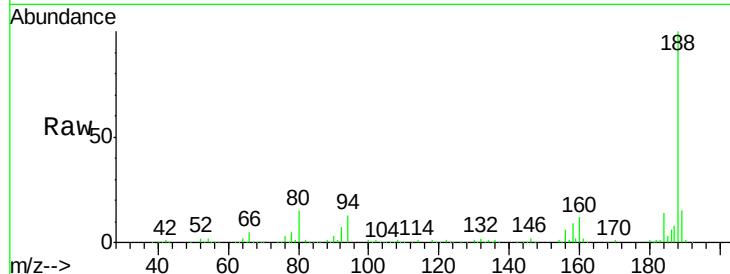




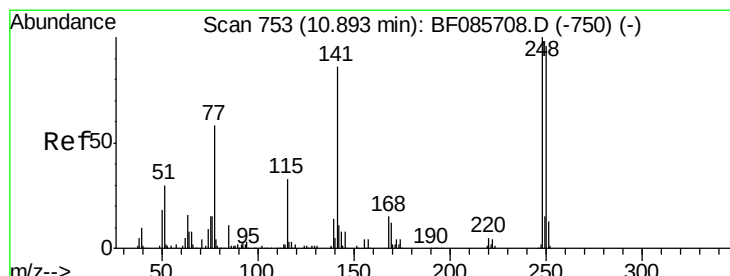
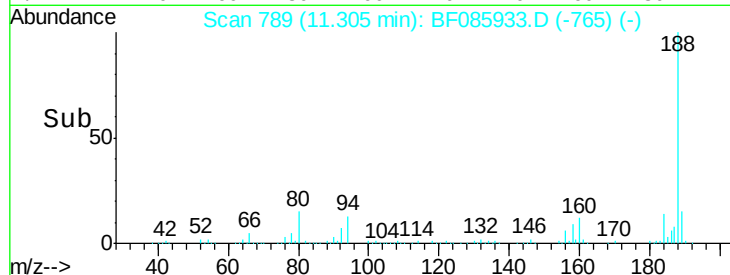
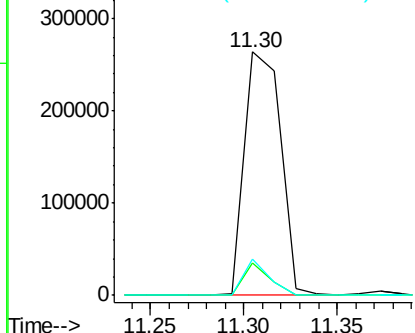
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 789
 Delta R.T. -0.02 min
 Lab File: BF085933.D
 Acq: 31 Mar 2016 17:54

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Tgt Ion:188 Resp: 356725
 Ion Ratio Lower Upper
 188 100
 94 13.2 5.4 8.0#
 80 15.0 5.5 8.3#

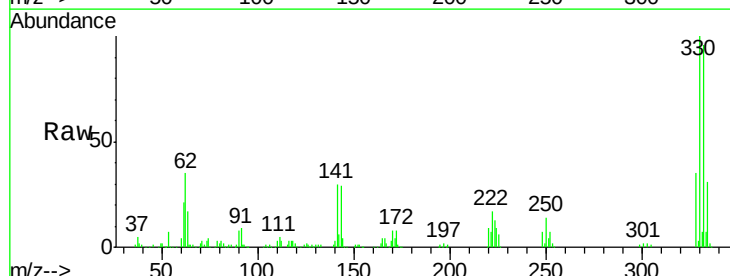


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

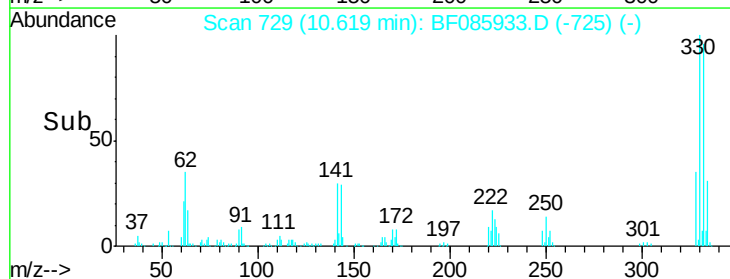
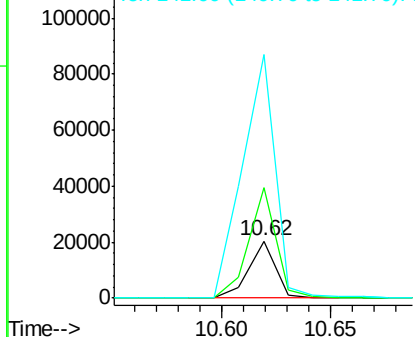


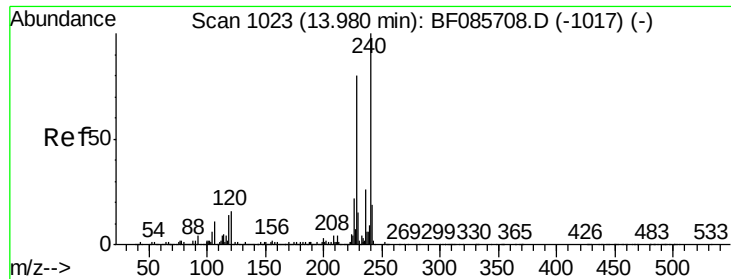
#66
 4-Bromophenyl-phenylether
 Concen: 4.72 ng
 RT: 10.62 min Scan# 729
 Delta R.T. -0.25 min
 Lab File: BF085933.D
 Acq: 31 Mar 2016 17:54

Tgt Ion:248 Resp: 17238
 Ion Ratio Lower Upper
 248 100
 250 195.3 77.4 116.0#
 141 428.4 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: BF085933.D

Acq: 31 Mar 2016 17:54

Instrument :

BNA_F

ClientSampleId :

DUP-1

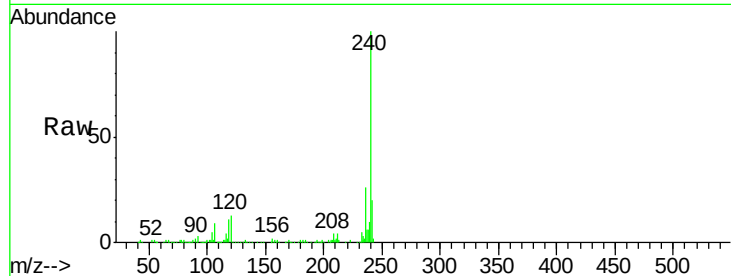
Tgt Ion:240 Resp: 225726

Ion Ratio Lower Upper

240 100

120 13.0 13.8 20.8#

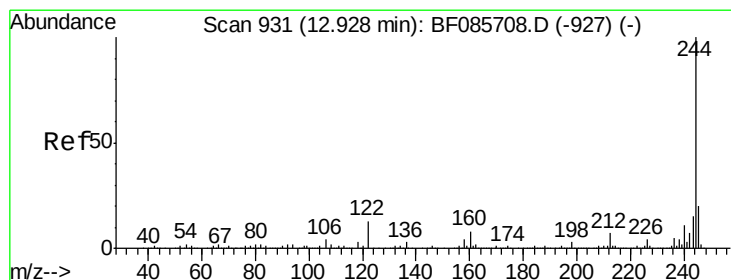
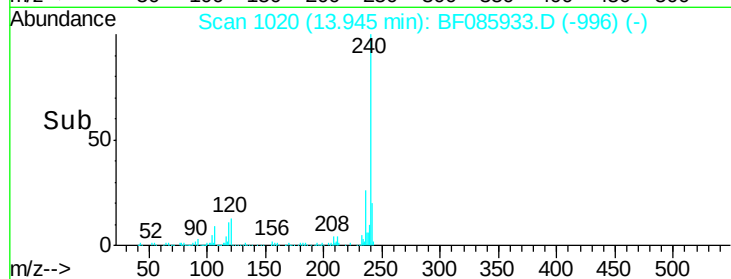
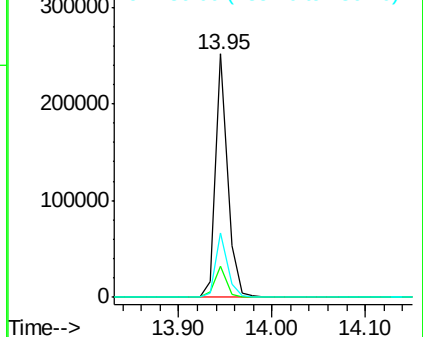
236 26.2 20.6 30.8



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: 70.25 ng

RT: 12.89 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF085933.D

Acq: 31 Mar 2016 17:54

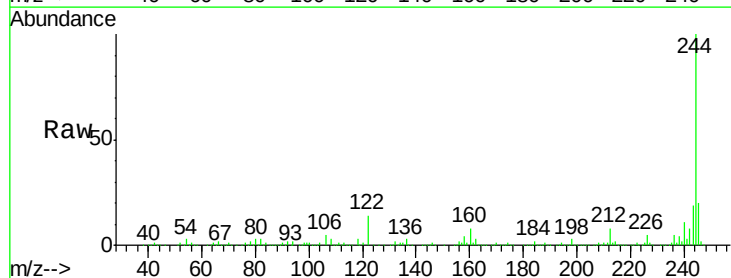
Tgt Ion:244 Resp: 771049

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

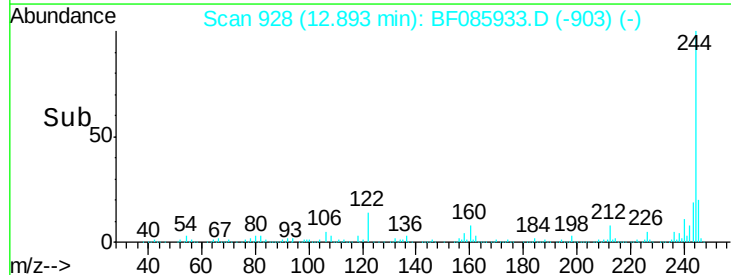
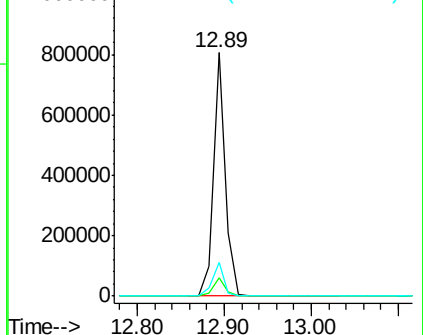
122 14.0 10.2 15.4

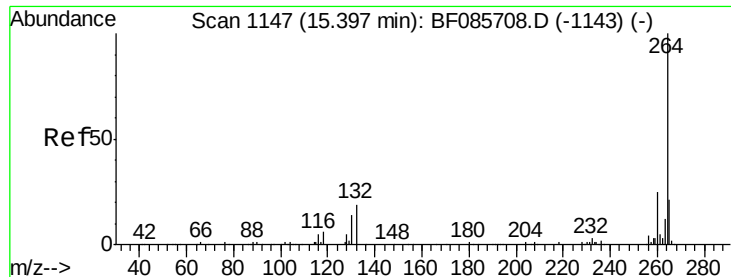


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



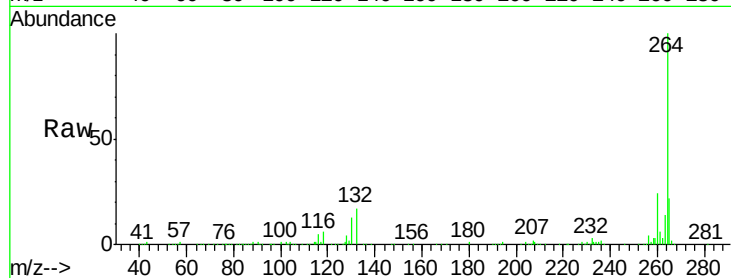


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF085933.D
Acq: 31 Mar 2016 17:54

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tgt Ion: 264 Resp: 221348

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	21.7	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

