

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021416\
 Data File : BF085067.D
 Acq On : 13 Feb 2016 4:59
 Operator : SJ/IZ
 Sample : H1396-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B001(6-8)

Quant Time: Feb 13 06:32:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 13 00:11:18 2016
 Response via : Initial Calibration

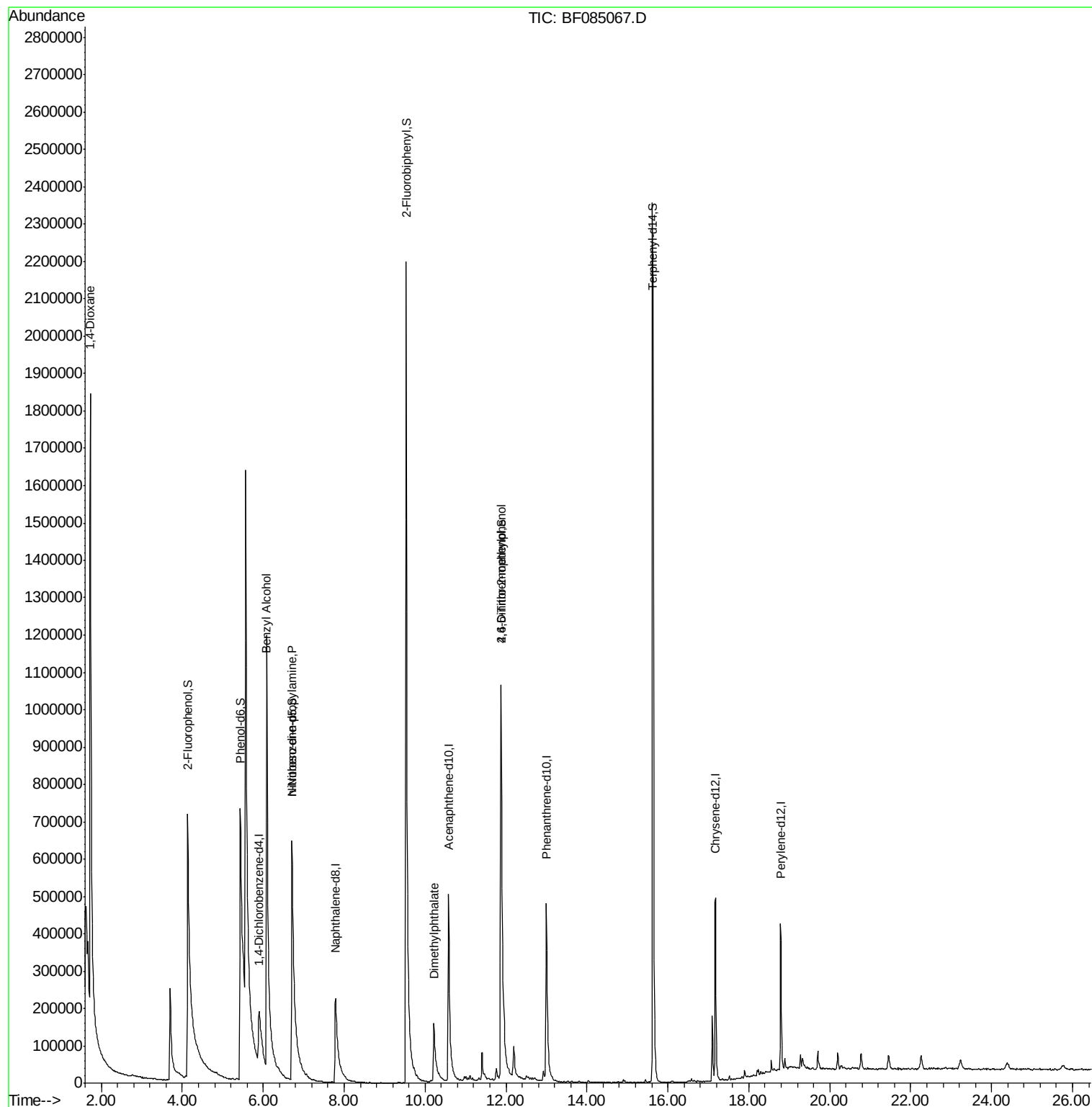
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.90	152	131667	20.00	ng	0.01
21) Naphthalene-d8	7.79	136	614142	20.00	ng	0.00
38) Acenaphthene-d10	10.58	164	300544	20.00	ng	0.00
63) Phenanthrene-d10	12.99	188	554353	20.00	ng	0.00
75) Chrysene-d12	17.18	240	374291	20.00	ng	0.00
86) Perylene-d12	18.79	264	279053	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.14	112	1096703	145.64	ng	-0.02
7) Phenol-d6	5.43	99	1574823	156.92	ng	-0.01
23) Nitrobenzene-d5	6.71	82	1044075	100.39	ng	-0.01
41) 2,4,6-Tribromophenol	11.88	330	456463	147.05	ng	0.00
44) 2-Fluorobiphenyl	9.53	172	1964228	93.42	ng	0.00
78) Terphenyl-d14	15.62	244	1637377	90.04	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.72	88	103951	33.51	ng	# 15
11) bis(2-Chloroethyl)ether	5.56	93	1181	Below Cal		# 1
15) Benzyl Alcohol	6.08	79	16489	2.69	ng	# 47
19) n-Nitroso-di-n-propylamine	6.71	70	87673	13.87	ng	# 73
49) Dimethylphthalate	10.22	163	295362	13.11	ng	100
64) 4,6-Dinitro-2-methylphenol	11.88	198	243	5.09	ng	# 1

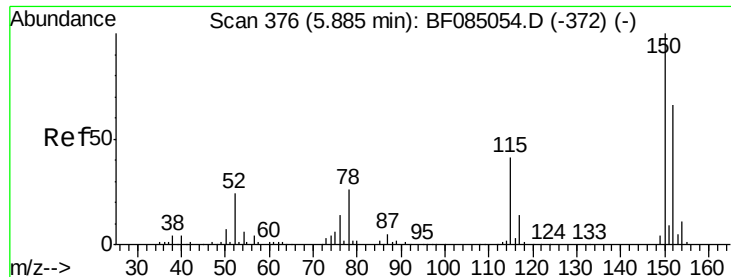
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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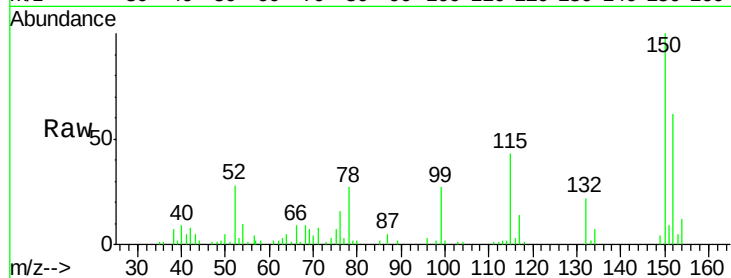


#1

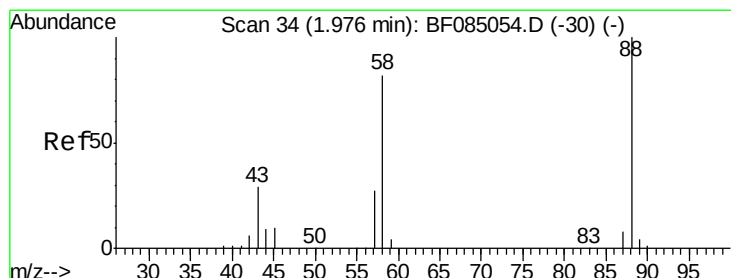
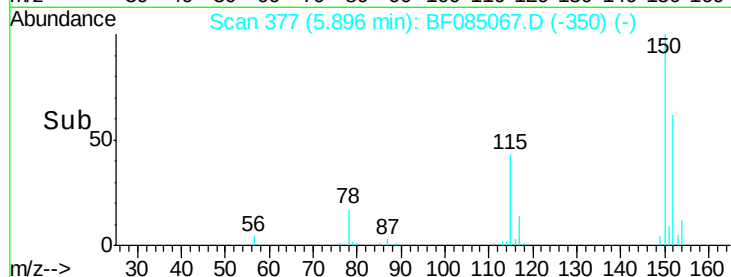
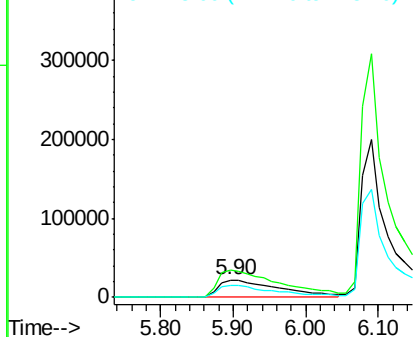
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.90 min Scan# 377
 Delta R.T. 0.01 min
 Lab File: BF085067.D
 Acq: 13 Feb 2016 4:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B001(6-8)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.8	127.4	191.2
115	69.0	50.5	75.7



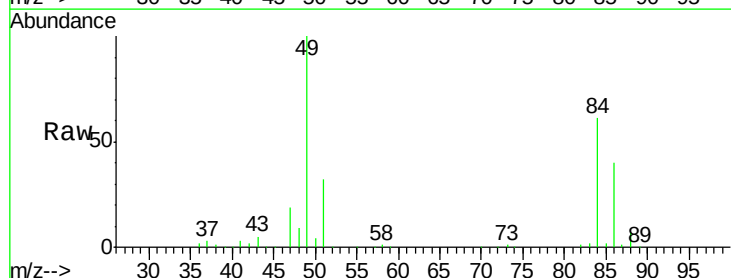
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



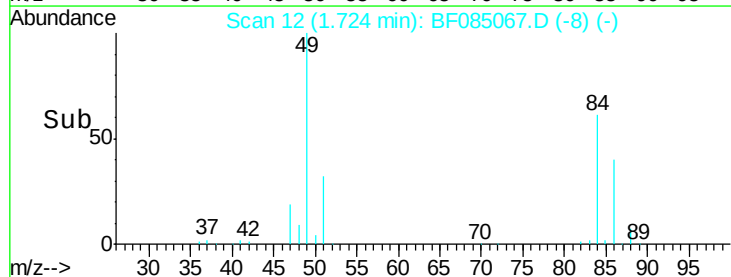
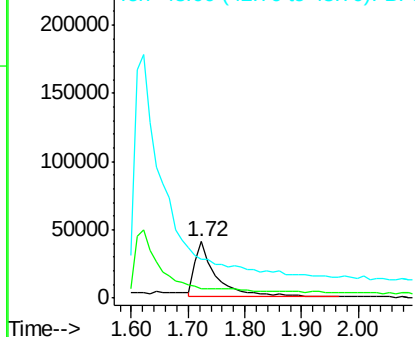
#2

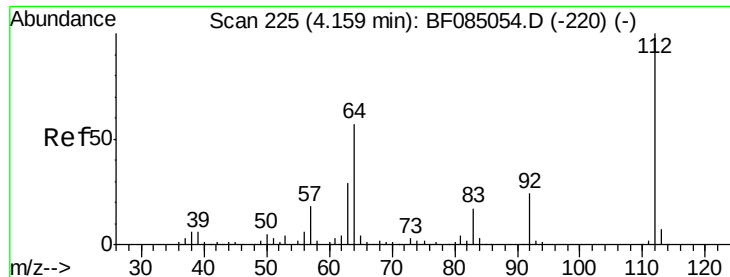
1,4-Dioxane
 Concen: 33.51 ng
 RT: 1.72 min Scan# 12
 Delta R.T. -0.25 min
 Lab File: BF085067.D
 Acq: 13 Feb 2016 4:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	70.9	106.3#
43	0.0	25.9	38.9#



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: 145.64 ng

RT: 4.14 min Scan# 223

Delta R.T. -0.02 min

Lab File: BF085067.D

Acq: 13 Feb 2016 4:59

Instrument :

BNA_F

ClientSampleId :

SUP-B001(6-8)

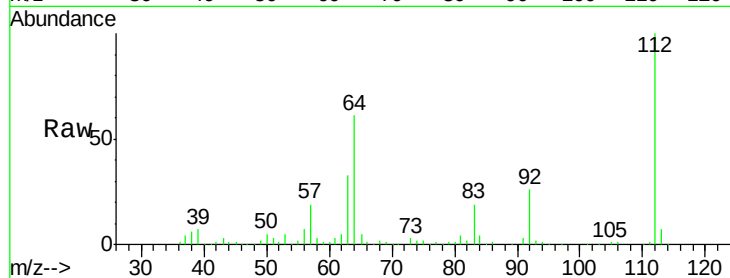
Tgt Ion: 112 Resp: 1096703

Ion Ratio Lower Upper

112 100

64 61.5 45.4 68.2

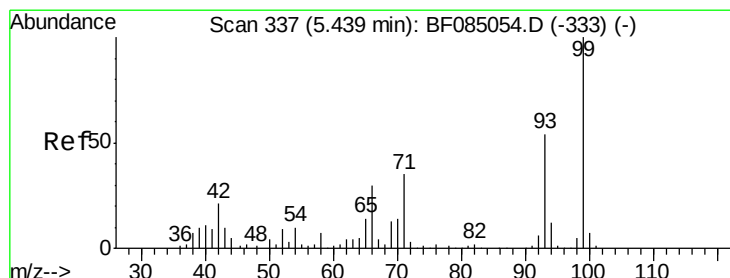
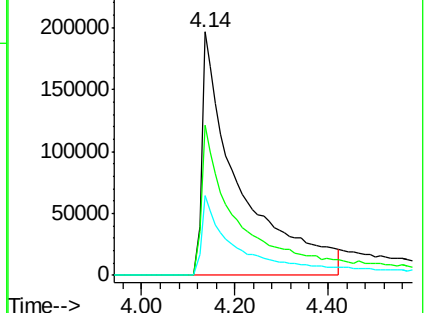
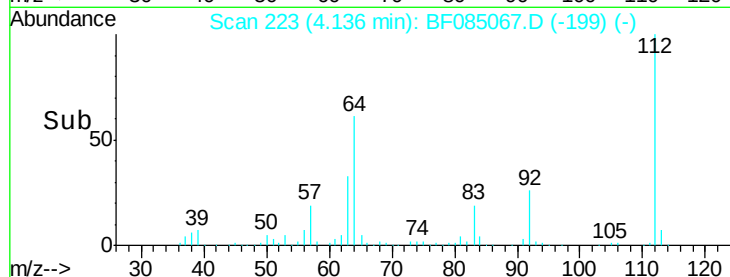
63 32.6 23.2 34.8



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: 156.92 ng

RT: 5.43 min Scan# 336

Delta R.T. -0.01 min

Lab File: BF085067.D

Acq: 13 Feb 2016 4:59

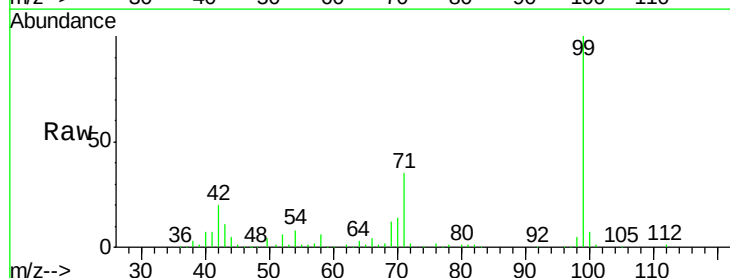
Tgt Ion: 99 Resp: 1574823

Ion Ratio Lower Upper

99 100

42 19.7 17.0 25.4

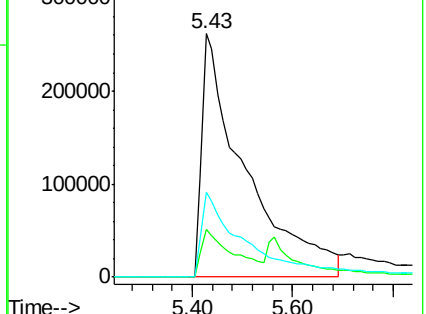
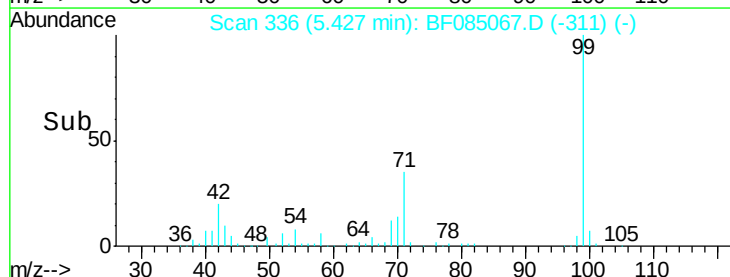
71 34.9 28.3 42.5

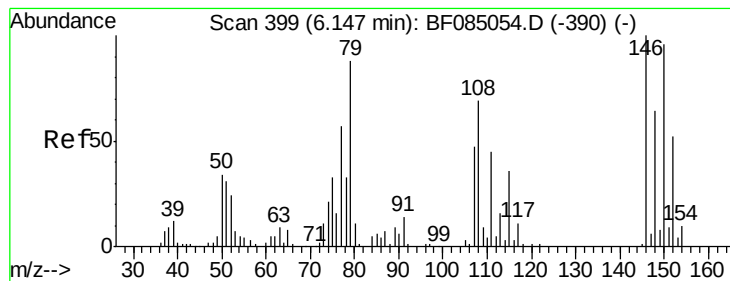


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.69 ng

RT: 6.08 min Scan# 393

Delta R.T. -0.07 min

Lab File: BF085067.D

Acq: 13 Feb 2016 4:59

Instrument :

BNA_F

ClientSampleId :

SUP-B001(6-8)

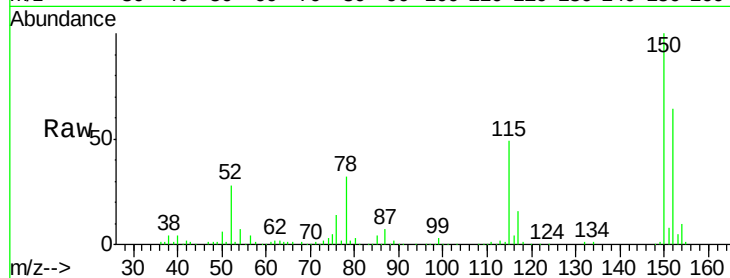
Tgt Ion: 79 Resp: 16489

Ion Ratio Lower Upper

79 100

108 21.6 63.4 95.0#

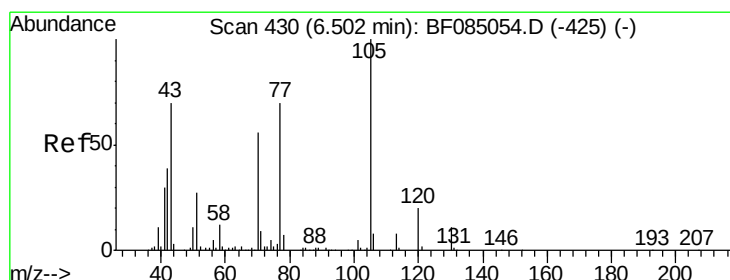
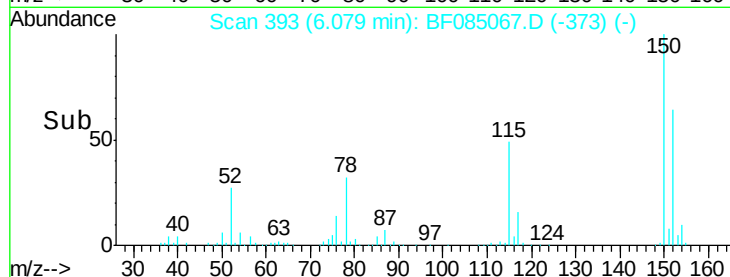
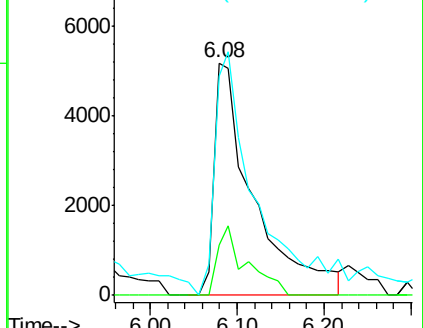
77 94.2 51.8 77.6#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.87 ng

RT: 6.71 min Scan# 448

Delta R.T. 0.21 min

Lab File: BF085067.D

Acq: 13 Feb 2016 4:59

Tgt Ion: 70 Resp: 87673

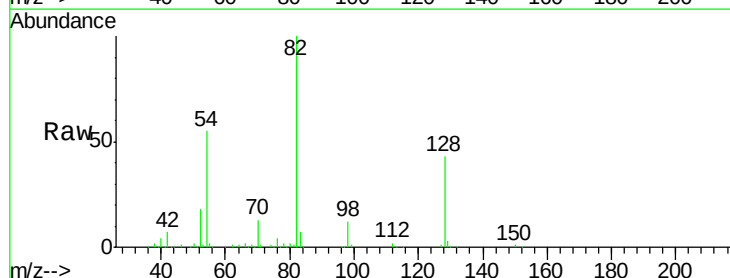
Ion Ratio Lower Upper

70 100

42 50.7 55.8 83.6#

101 0.0 7.7 11.5#

130 1.5 15.4 23.2#

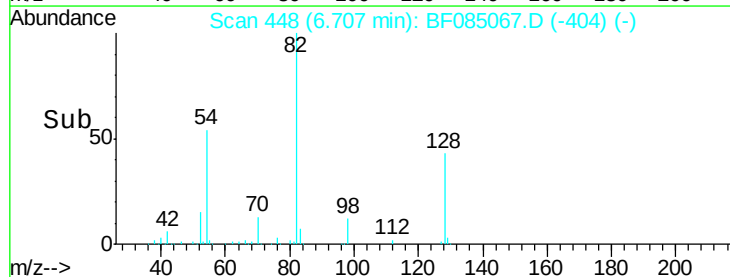
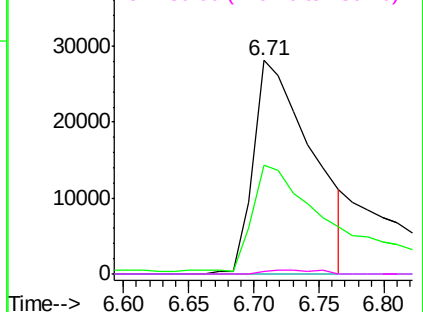


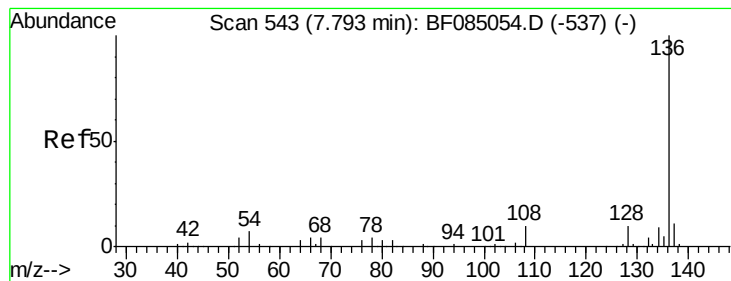
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.79 min Scan# 543

Delta R.T. -0.00 min

Lab File: BF085067.D

Acq: 13 Feb 2016 4:59

Instrument :

BNA_F

ClientSampleId :

SUP-B001(6-8)

Tgt Ion: 136 Resp: 614142

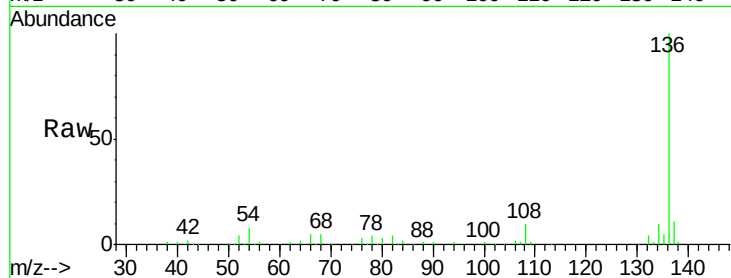
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 8.4 6.1 9.1

68 5.1 3.5 5.3

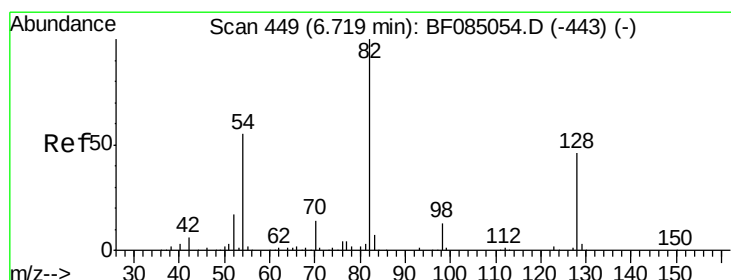
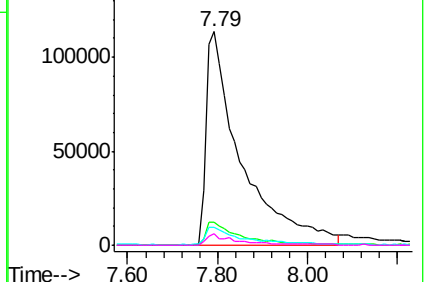
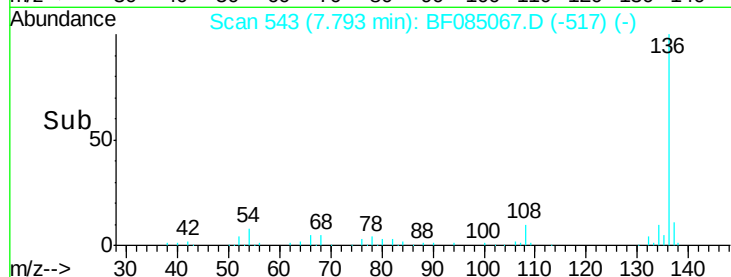


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.39 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.01 min

Lab File: BF085067.D

Acq: 13 Feb 2016 4:59

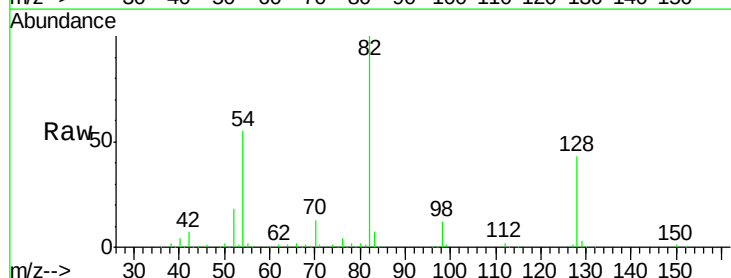
Tgt Ion: 82 Resp: 1044075

Ion Ratio Lower Upper

82 100

128 43.4 36.8 55.2

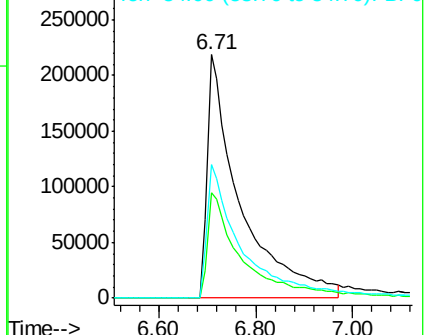
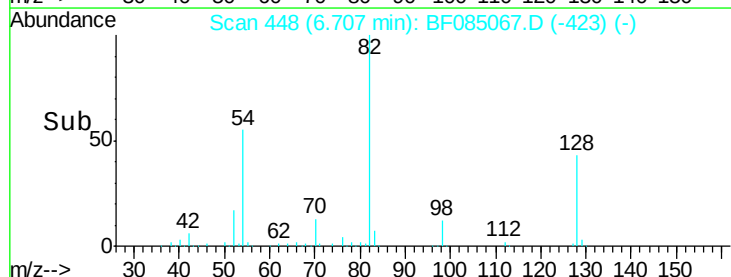
54 55.1 44.4 66.6

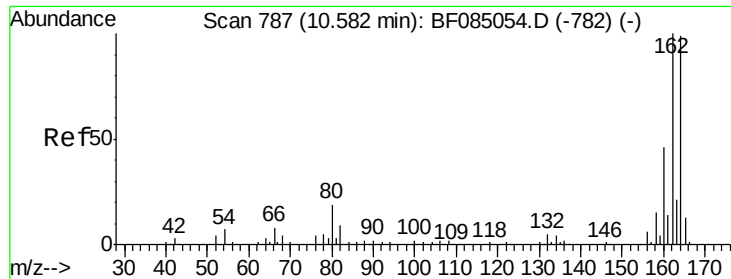


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

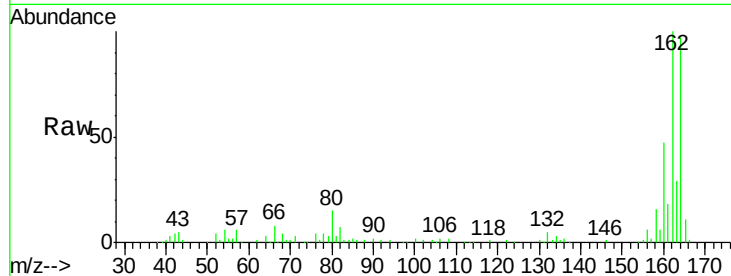




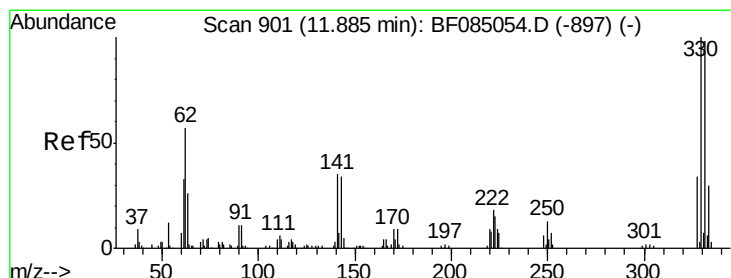
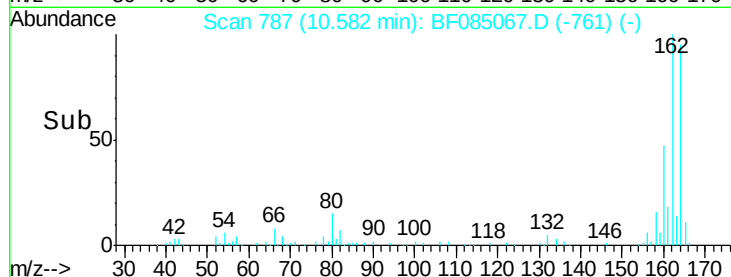
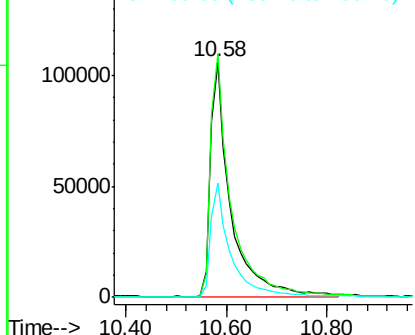
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.58 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF085067.D
 Acq: 13 Feb 2016 4:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B001(6-8)

Tgt Ion:164 Resp: 300544
 Ion Ratio Lower Upper
 164 100
 162 103.5 81.1 121.7
 160 48.3 37.4 56.0

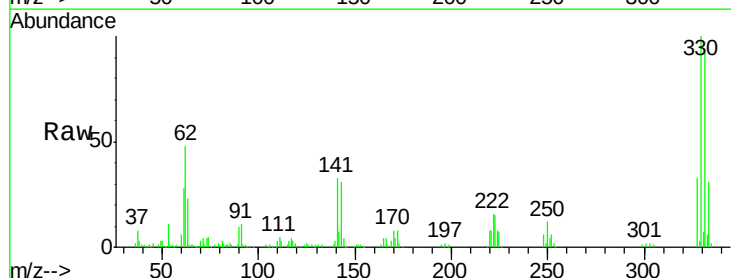


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

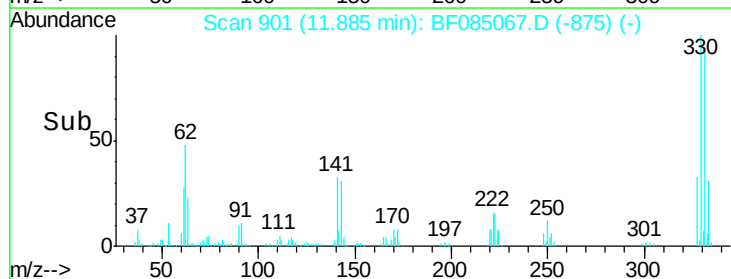
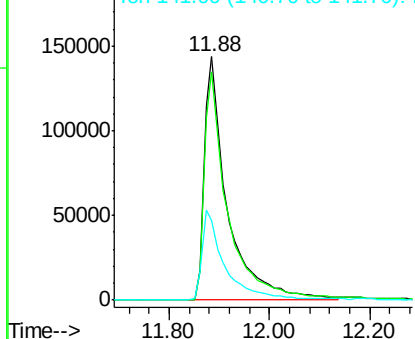


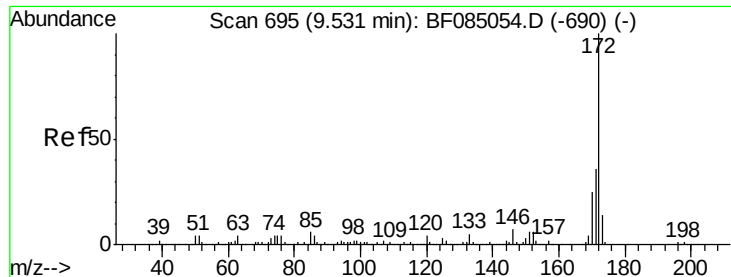
#41
 2,4,6-Tribromophenol
 Concen: 147.05 ng
 RT: 11.88 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: BF085067.D
 Acq: 13 Feb 2016 4:59

Tgt Ion:330 Resp: 456463
 Ion Ratio Lower Upper
 330 100
 332 94.9 78.5 117.7
 141 37.0 28.6 42.8



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: 93.42 ng

RT: 9.53 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF085067.D

Acq: 13 Feb 2016 4:59

Instrument :

BNA_F

ClientSampleId :

SUP-B001(6-8)

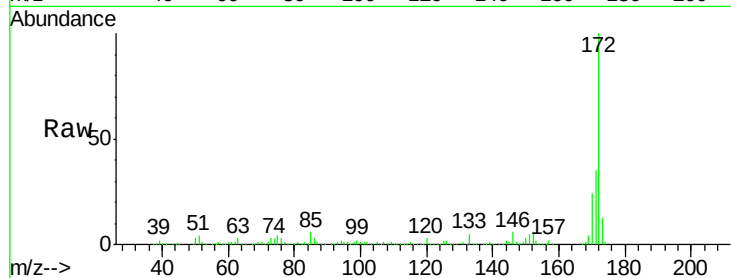
Tgt Ion:172 Resp: 1964228

Ion Ratio Lower Upper

172 100

171 34.8 29.1 43.7

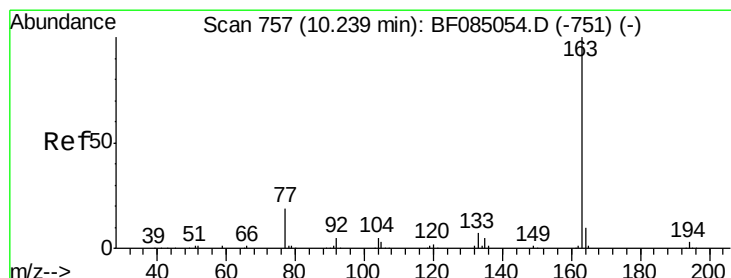
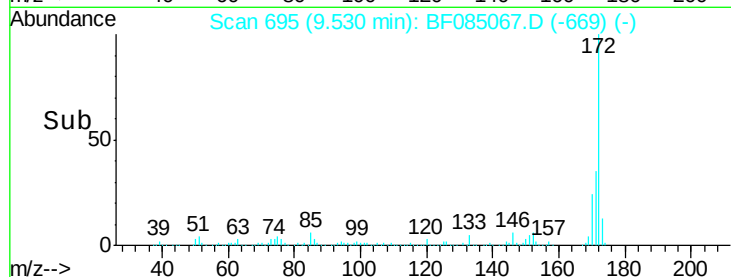
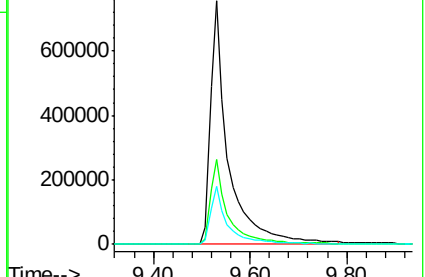
170 23.7 19.6 29.4



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: 13.11 ng

RT: 10.22 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF085067.D

Acq: 13 Feb 2016 4:59

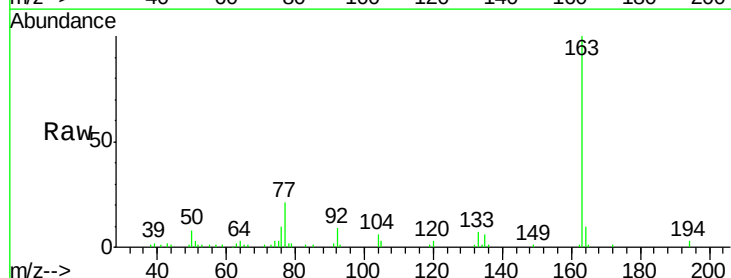
Tgt Ion:163 Resp: 295362

Ion Ratio Lower Upper

163 100

194 3.2 2.5 3.7

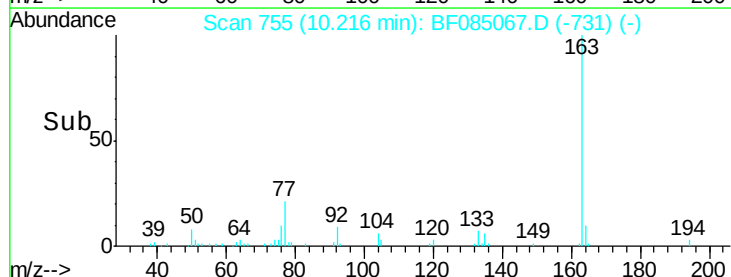
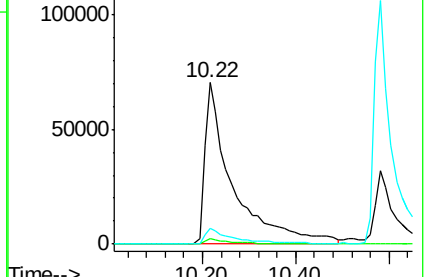
164 10.0 7.8 11.8

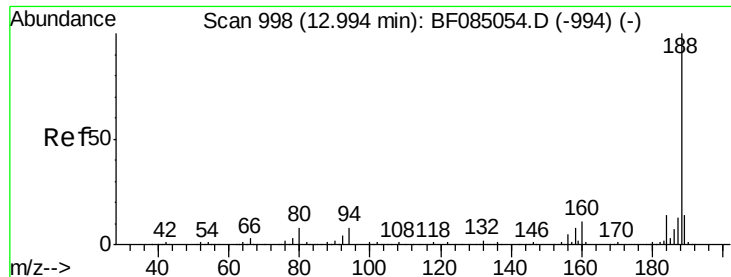


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

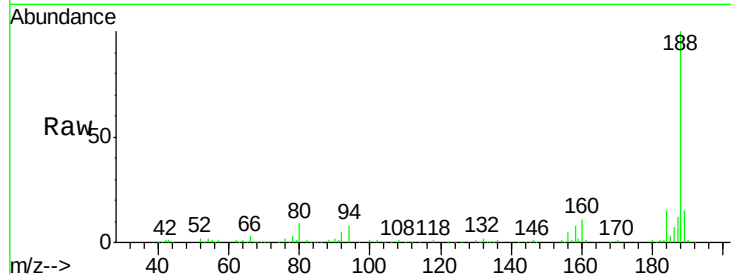




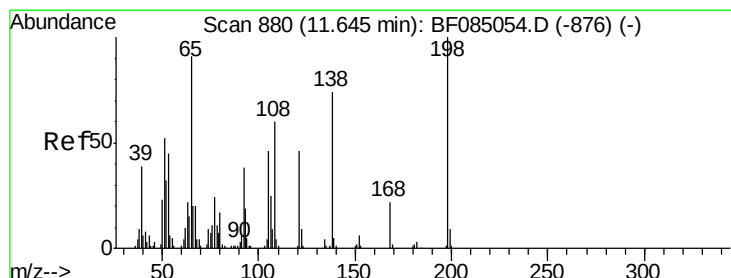
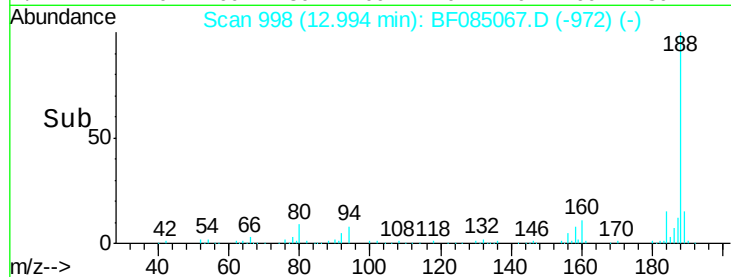
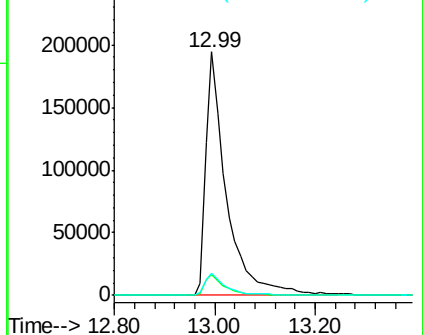
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.99 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: BF085067.D
 Acq: 13 Feb 2016 4:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B001(6-8)

Tgt Ion:188 Resp: 554353
 Ion Ratio Lower Upper
 188 100
 94 8.4 6.2 9.2
 80 9.3 6.6 9.8

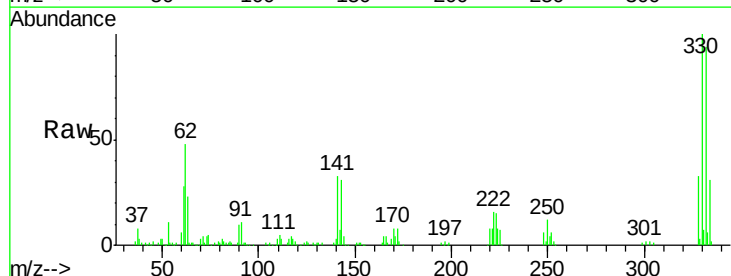


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

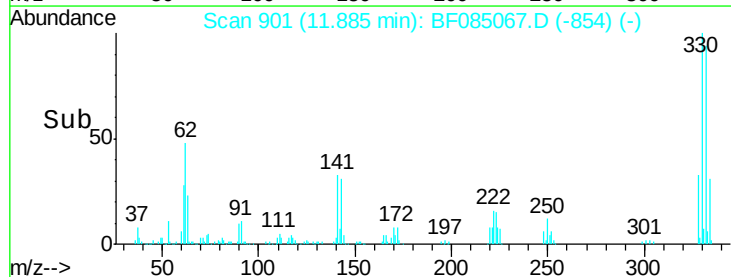
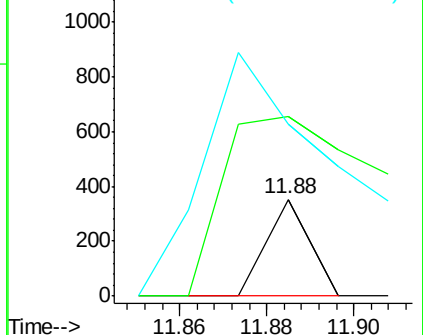


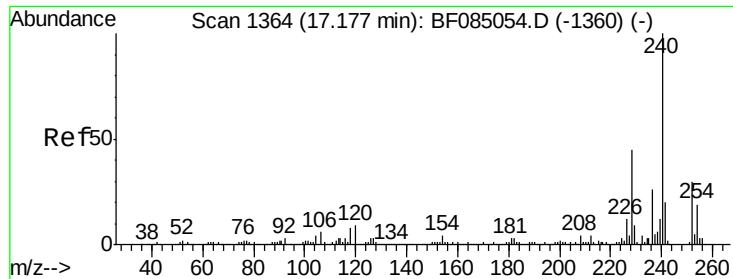
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.09 ng
 RT: 11.88 min Scan# 901
 Delta R.T. 0.24 min
 Lab File: BF085067.D
 Acq: 13 Feb 2016 4:59

Tgt Ion:198 Resp: 243
 Ion Ratio Lower Upper
 198 100
 51 185.9 34.5 74.5#
 105 177.4 26.2 66.2#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

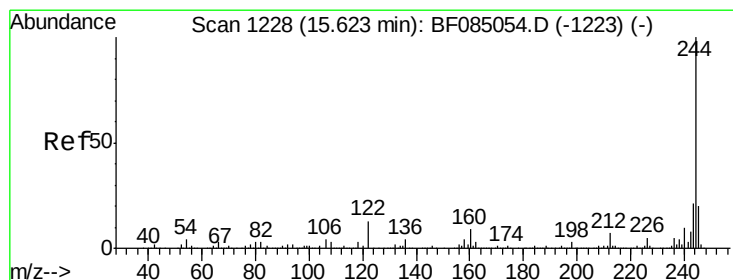
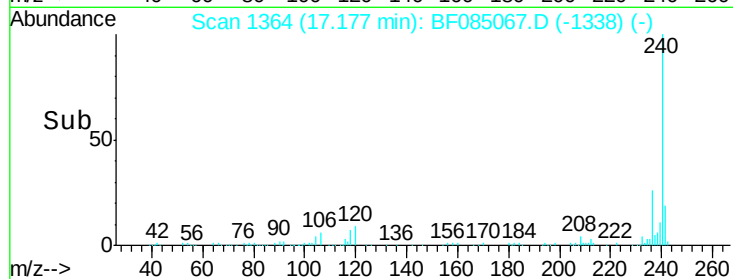
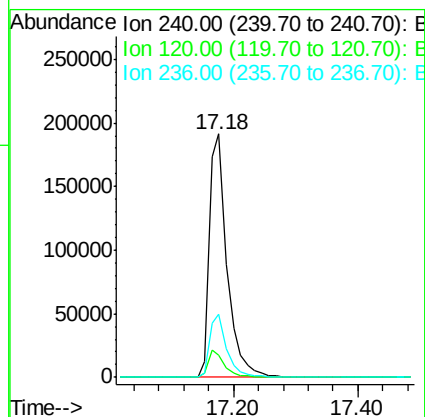
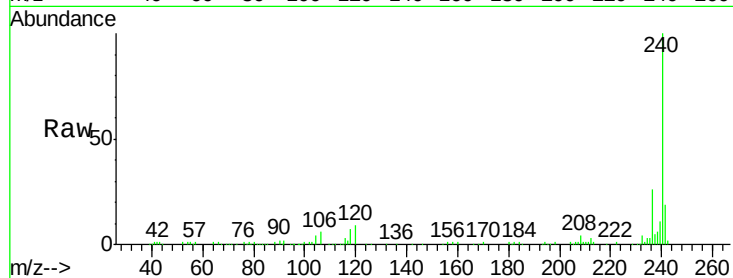




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.18 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: BF085067.D
 Acq: 13 Feb 2016 4:59

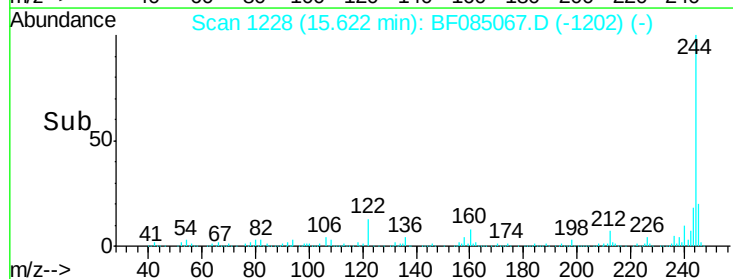
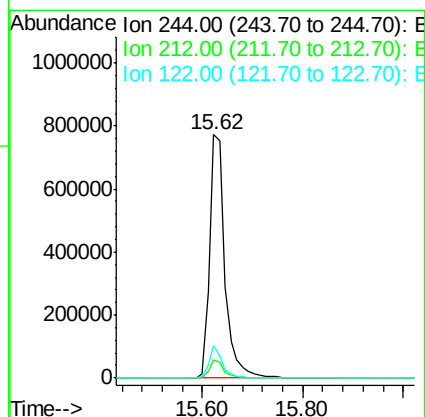
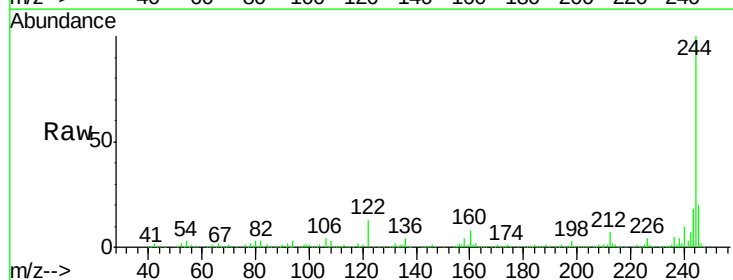
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B001(6-8)

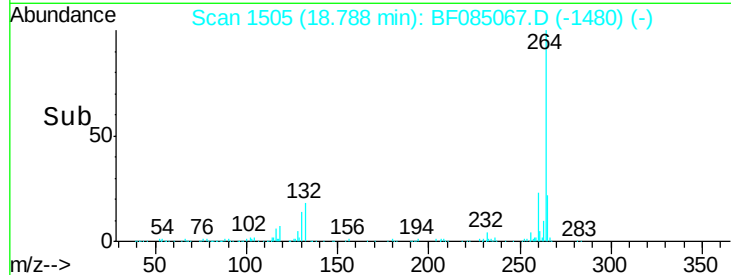
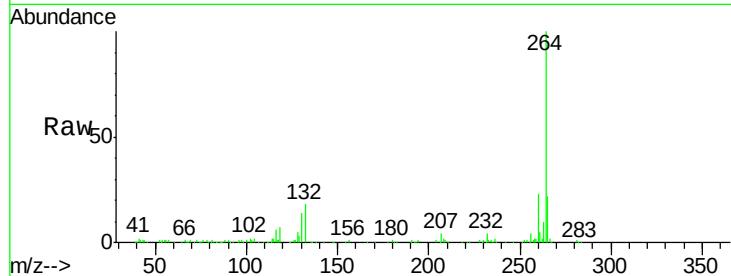
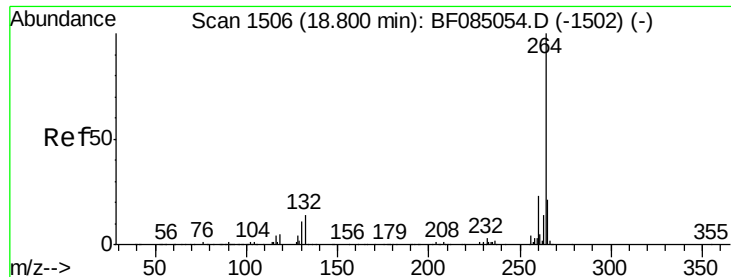
Tgt Ion:240 Resp: 374291
 Ion Ratio Lower Upper
 240 100
 120 9.2 7.0 10.6
 236 25.8 20.5 30.7



#78
 Terphenyl-d14
 Concen: 90.04 ng
 RT: 15.62 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: BF085067.D
 Acq: 13 Feb 2016 4:59

Tgt Ion:244 Resp: 1637377
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 13.1 10.1 15.1





#86
Perylene-d12
Concen: 20.00 ng
RT: 18.79 min Scan# 1505
Delta R.T. -0.01 min
Lab File: BF085067.D
Acq: 13 Feb 2016 4:59

Instrument :
BNA_F
ClientSampleId :
SUP-B001(6-8)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.5	27.7
265	21.6	16.7	25.1

