

Data Path : Z:\HPCHEM1\BNA_F\Data\BF072816\
 Data File : BF089364.D
 Acq On : 28 Jul 2016 13:39
 Operator : UM/SJ
 Sample : H4155-24
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 28 14:07:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:12:17 2016
 Response via : Initial Calibration

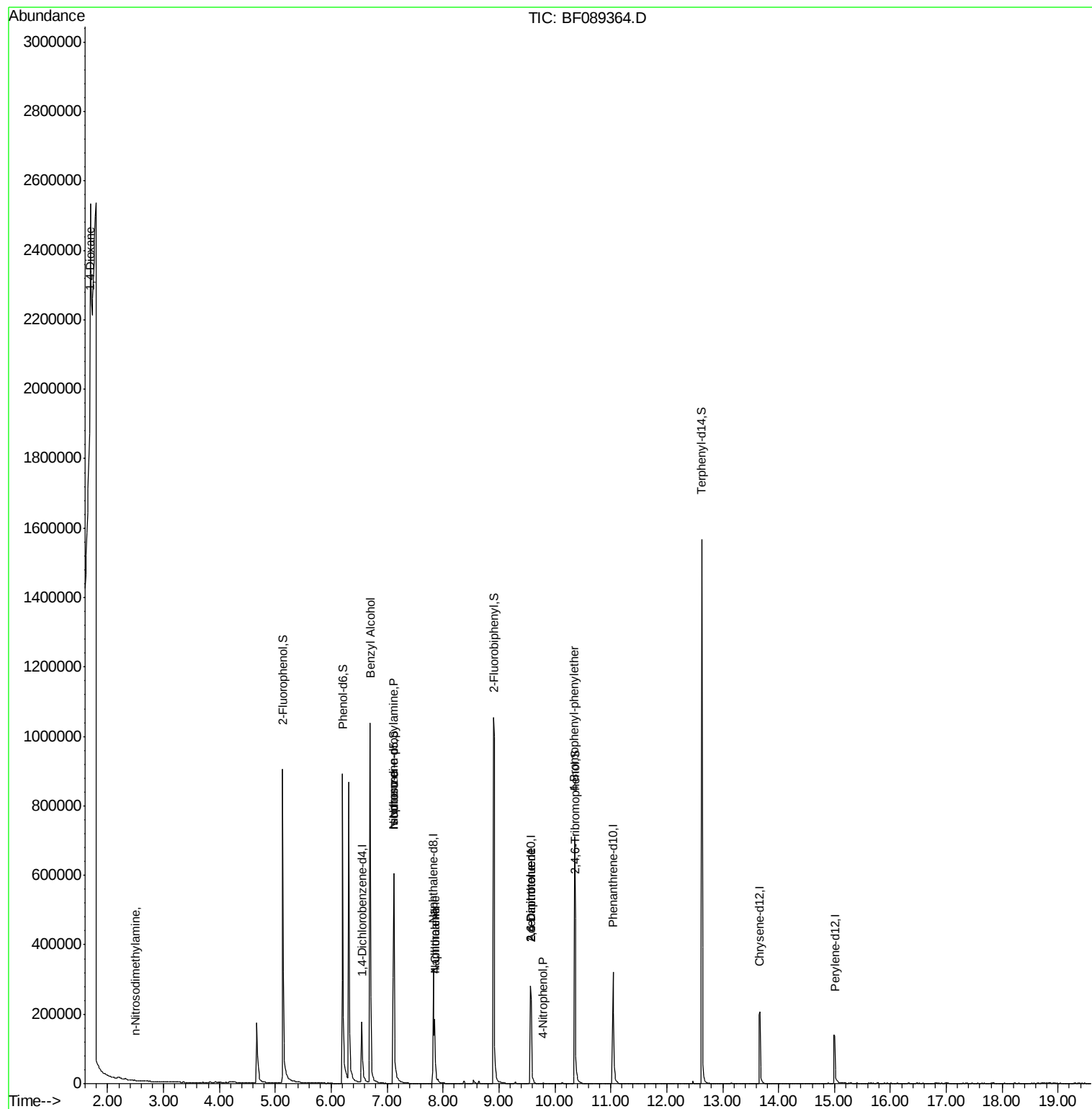
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	43321	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	192227	20.00	ng	0.00
38) Acenaphthene-d10	9.56	164	86744	20.00	ng	-0.01
63) Phenanthrene-d10	11.04	188	180500	20.00	ng	-0.01
75) Chrysene-d12	13.67	240	126477	20.00	ng	0.00
86) Perylene-d12	15.01	264	94249	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	330378	121.77	ng	0.02
7) Phenol-d6	6.20	99	436835	121.83	ng	0.00
23) Nitrobenzene-d5	7.12	82	318465	97.79	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	108890	151.57	ng	0.00
44) 2-Fluorobiphenyl	8.91	172	578067	97.80	ng	0.00
78) Terphenyl-d14	12.63	244	528687	97.83	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.69	88	30959	23.76	ng	# 26
4) n-Nitrosodimethylamine	2.49	42	434	8.07	ng	# 1
15) Benzyl Alcohol	6.70	79	4959	2.23	ng	# 50
19) n-Nitroso-di-n-propylamine	7.12	70	41167	19.04	ng	# 78
25) Isophorone	7.12	82	238607	36.37	ng	# 67
31) Naphthalene	7.85	128	108759	11.43	ng	100
33) 4-Chloroaniline	7.85	127	13690	3.78	ng	# 35
50) 2,6-Dinitrotoluene	9.56	165	10770	7.94	ng	# 24
55) 4-Nitrophenol	9.79	139	672	7.07	ng	# 4
56) 2,4-Dinitrotoluene	9.56	165	10770	6.03	ng	# 7
66) 4-Bromophenyl-phenylether	10.35	248	7701	4.47	ng	# 1

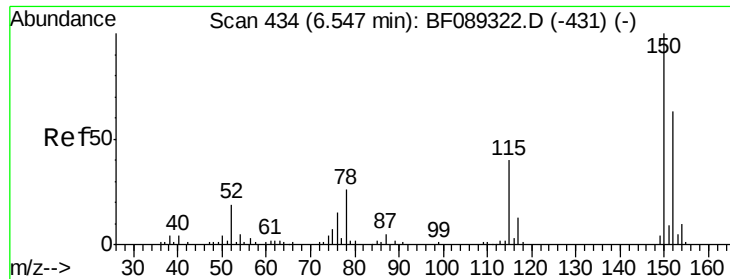
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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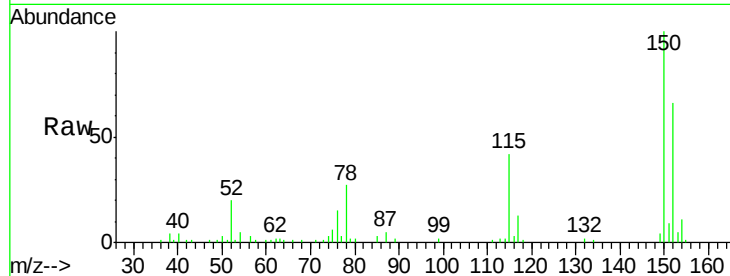




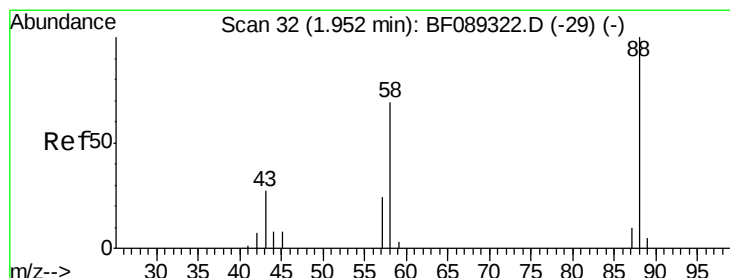
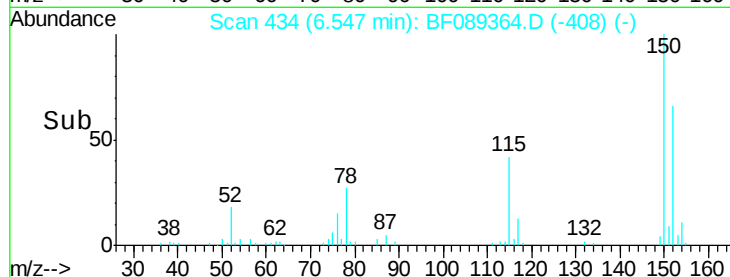
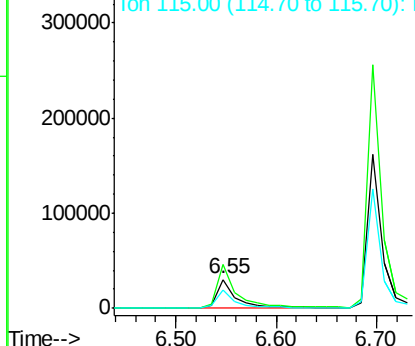
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.55 min Scan# 434
 Delta R.T. 0.00 min
 Lab File: BF089364.D
 Acq: 28 Jul 2016 13:39

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:152 Resp: 43321
 Ion Ratio Lower Upper
 152 100
 150 151.2 129.5 194.3
 115 63.4 51.4 77.2

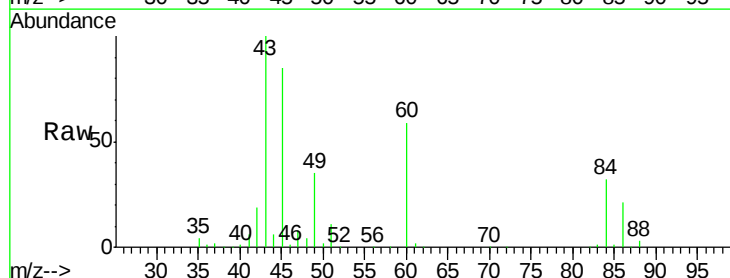


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

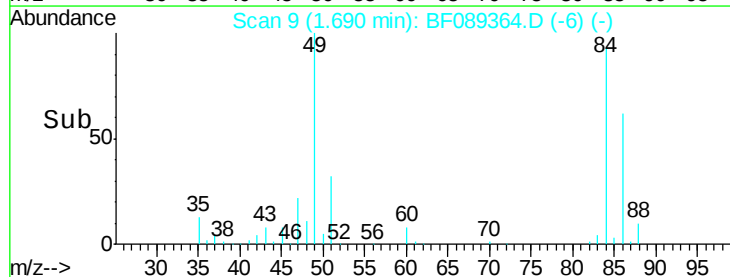
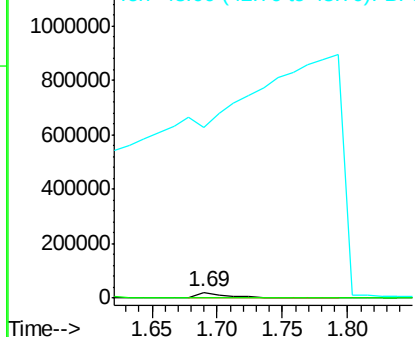


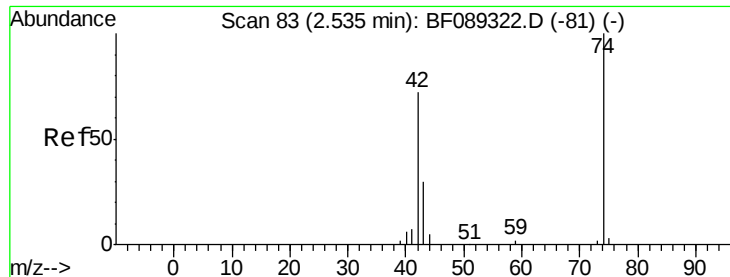
#2
 1,4-Dioxane
 Concen: 23.76 ng
 RT: 1.69 min Scan# 9
 Delta R.T. -0.26 min
 Lab File: BF089364.D
 Acq: 28 Jul 2016 13:39

Tgt Ion: 88 Resp: 30959
 Ion Ratio Lower Upper
 88 100
 58 0.0 53.2 79.8#
 43 0.0 20.6 31.0#



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





#4

n-Nitrosodimethylamine

Concen: 8.07 ng

RT: 2.49 min Scan# 79

Delta R.T. -0.05 min

Lab File: BF089364.D

Acq: 28 Jul 2016 13:39

Instrument :

BNA_F

ClientSampleId :

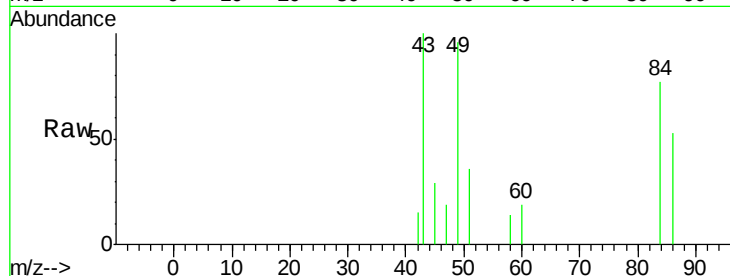
Tgt Ion: 42 Resp: 434

Ion Ratio Lower Upper

42 100

74 0.0 110.8 166.2#

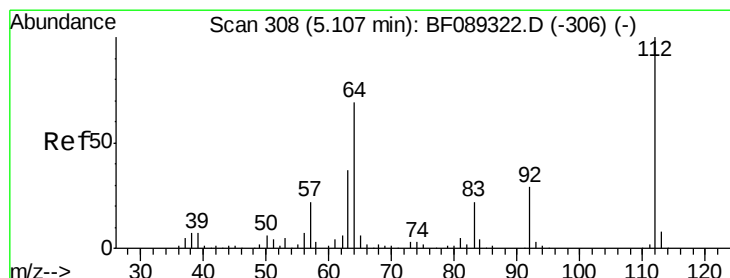
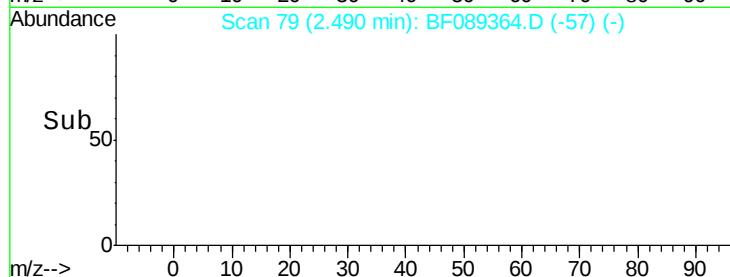
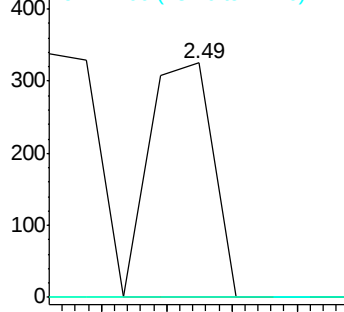
44 0.0 5.2 7.8#



Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0



#5

2-Fluorophenol

Concen: 121.77 ng

RT: 5.13 min Scan# 310

Delta R.T. 0.02 min

Lab File: BF089364.D

Acq: 28 Jul 2016 13:39

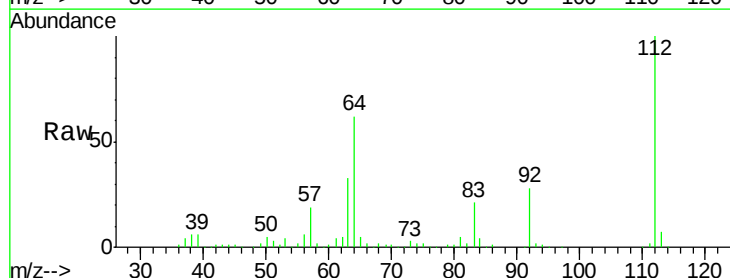
Tgt Ion: 112 Resp: 330378

Ion Ratio Lower Upper

112 100

64 61.5 55.0 82.6

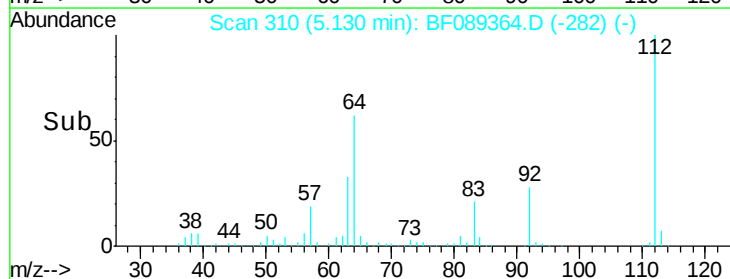
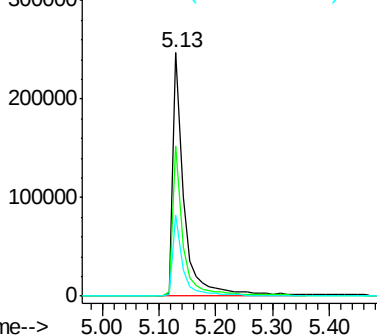
63 33.3 29.4 44.2

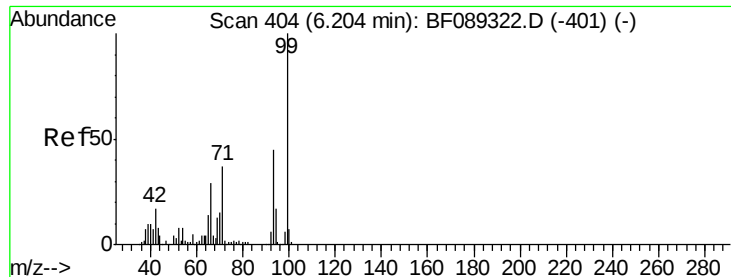


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.83 ng

RT: 6.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF089364.D

Acq: 28 Jul 2016 13:39

Instrument :

BNA_F

ClientSampleId :

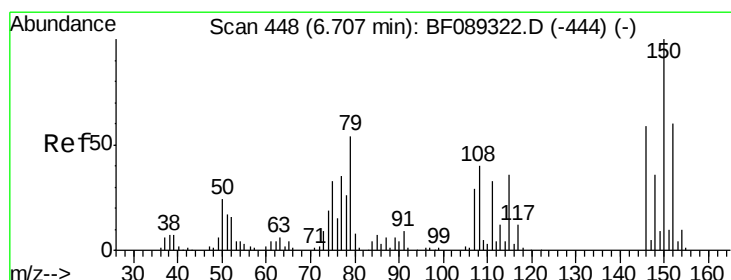
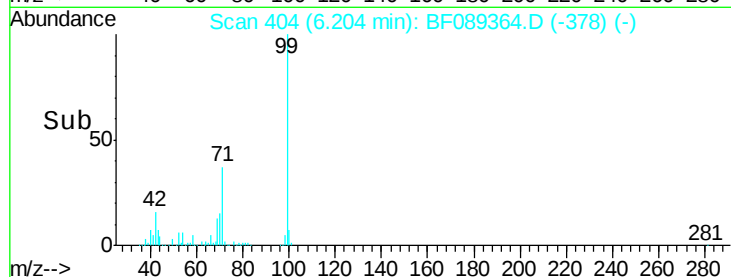
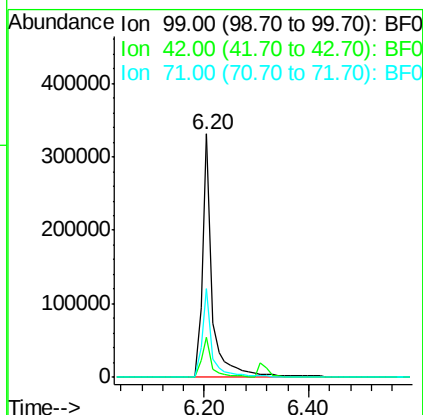
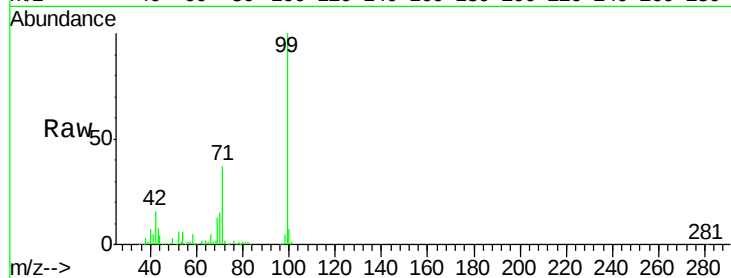
Tgt Ion: 99 Resp: 436835

Ion Ratio Lower Upper

99 100

42 16.4 13.6 20.4

71 36.6 29.4 44.2



#15

Benzyl Alcohol

Concen: 2.23 ng

RT: 6.70 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF089364.D

Acq: 28 Jul 2016 13:39

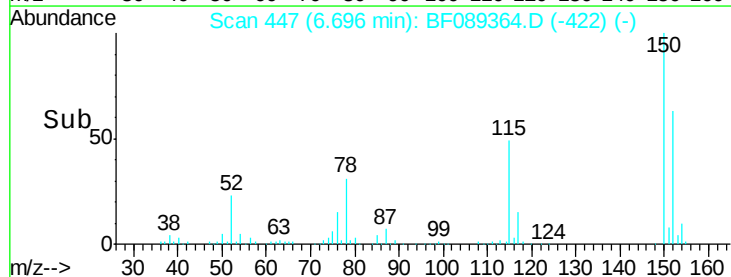
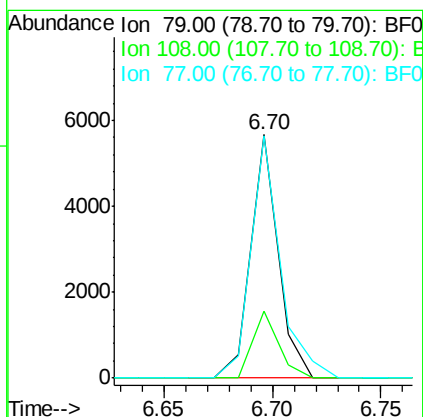
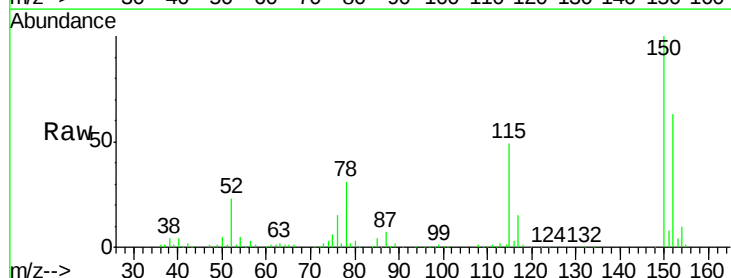
Tgt Ion: 79 Resp: 4959

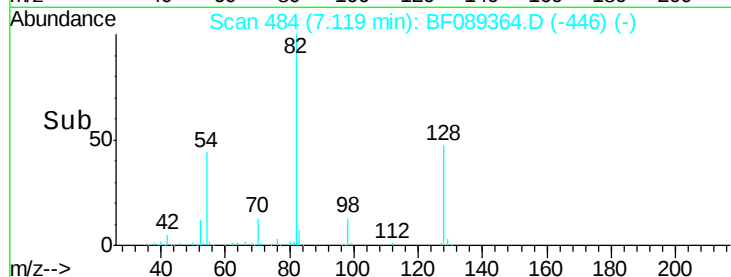
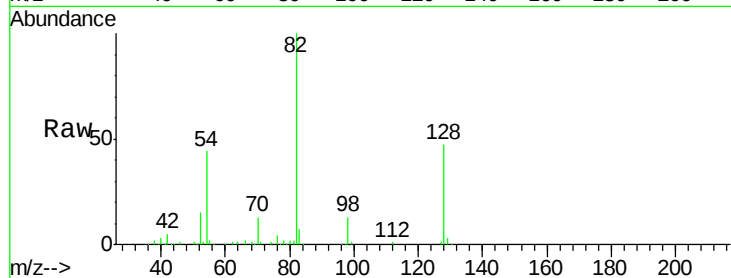
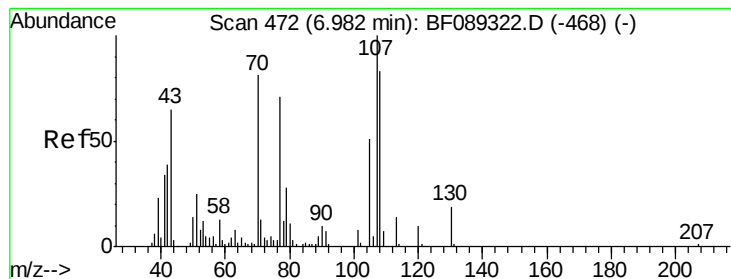
Ion Ratio Lower Upper

79 100

108 27.3 59.8 89.6#

77 99.4 51.7 77.5#





#19

n-Nitroso-di-n-propylamine

Concen: 19.04 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.14 min

Lab File: BF089364.D

Acq: 28 Jul 2016 13:39

Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 70 Resp: 41167

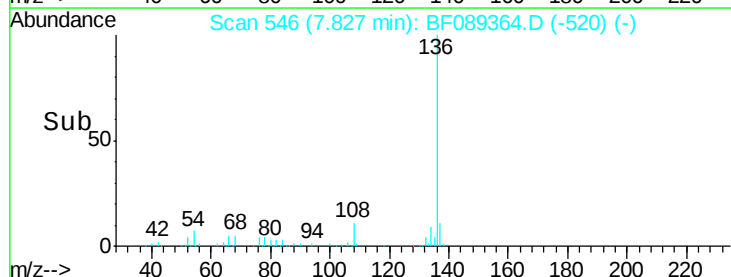
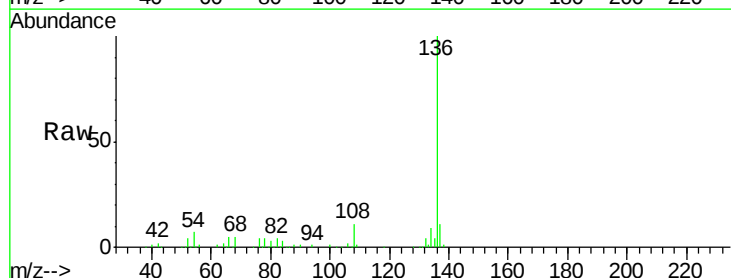
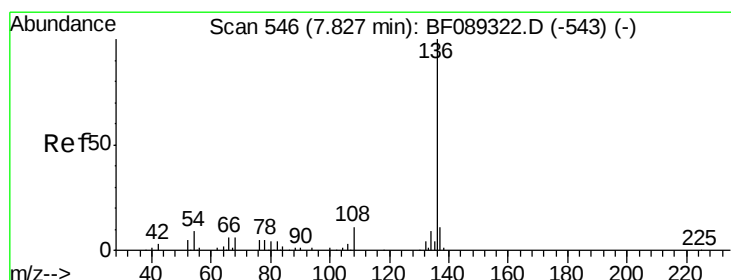
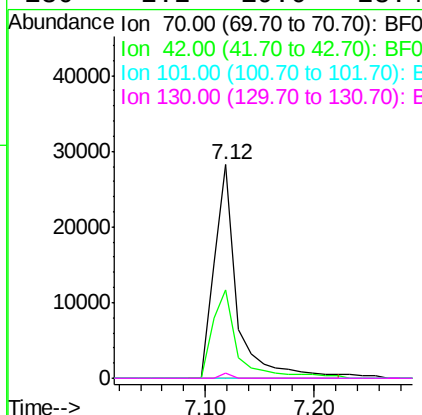
Ion Ratio Lower Upper

70 100

42 41.2 38.6 57.8

101 0.0 8.3 12.5#

130 2.2 19.0 28.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 546

Delta R.T. 0.00 min

Lab File: BF089364.D

Acq: 28 Jul 2016 13:39

Tgt Ion: 136 Resp: 192227

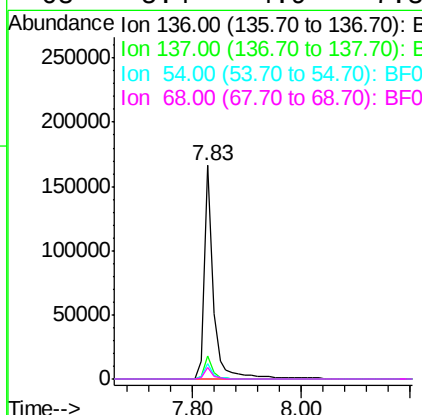
Ion Ratio Lower Upper

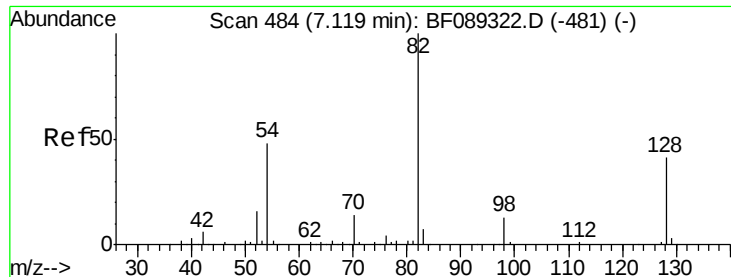
136 100

137 10.6 8.6 13.0

54 7.2 7.0 10.4

68 5.4 4.9 7.3

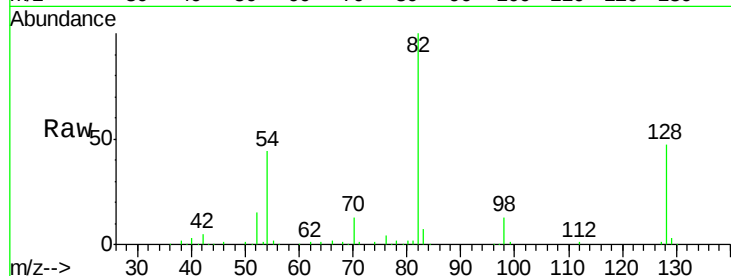




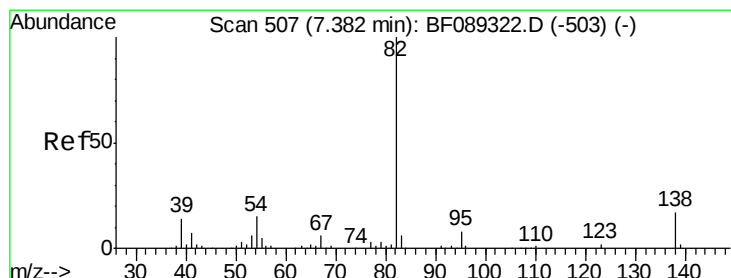
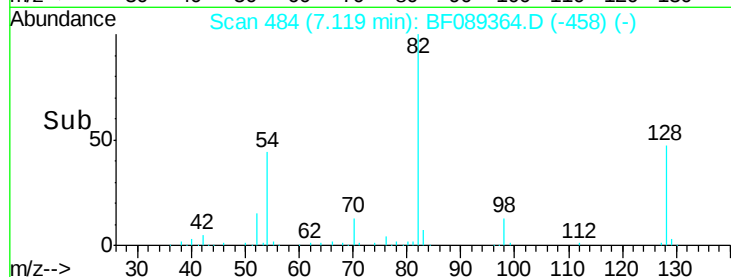
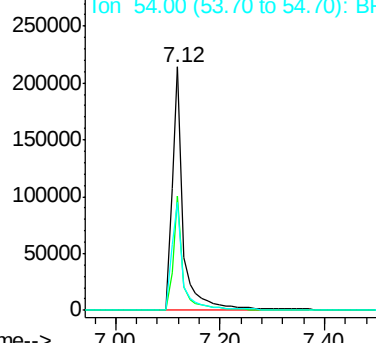
#23
 Nitrobenzene-d5
 Concen: 97.79 ng
 RT: 7.12 min Scan# 484
 Delta R.T. 0.00 min
 Lab File: BF089364.D
 Acq: 28 Jul 2016 13:39

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion: 82 Resp: 318465
 Ion Ratio Lower Upper
 82 100
 128 47.1 32.5 48.7
 54 44.5 38.8 58.2

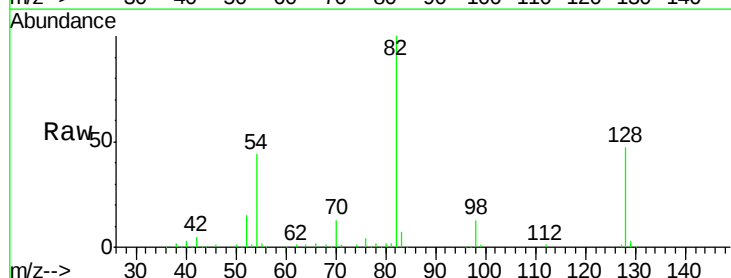


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

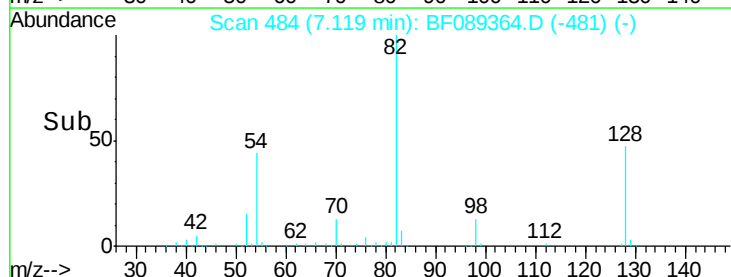
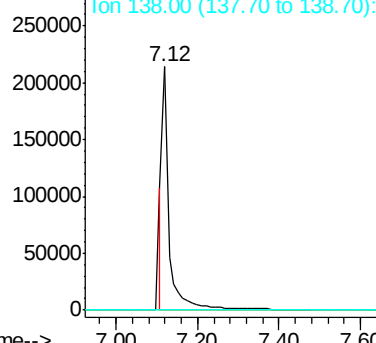


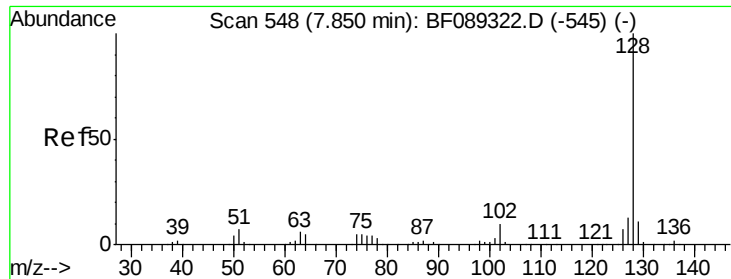
#25
 Isophorone
 Concen: 36.37 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.26 min
 Lab File: BF089364.D
 Acq: 28 Jul 2016 13:39

Tgt Ion: 82 Resp: 238607
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.0 9.0#
 138 0.0 13.3 19.9#



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

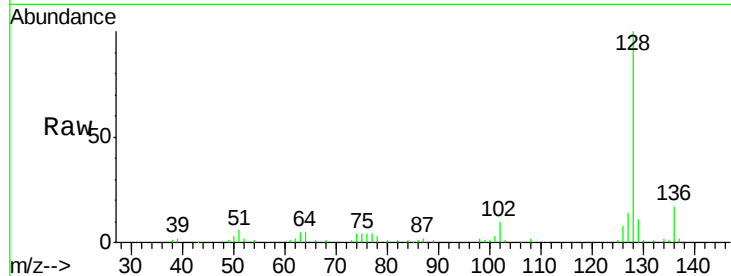




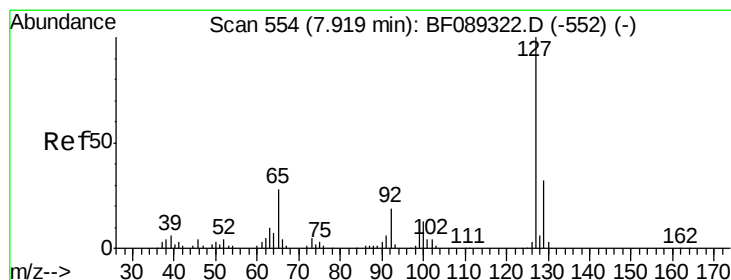
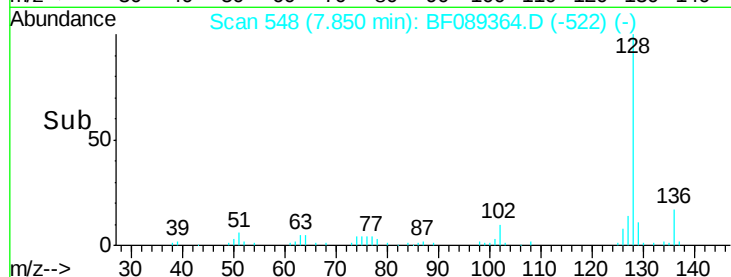
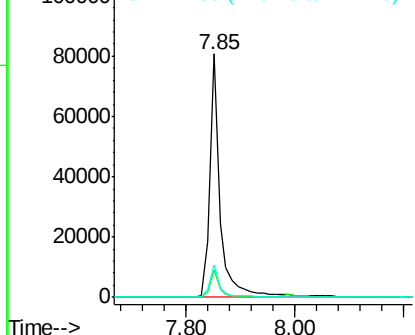
#31
Naphthalene
Concen: 11.43 ng
RT: 7.85 min Scan# 548
Delta R.T. 0.00 min
Lab File: BF089364.D
Acq: 28 Jul 2016 13:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 108759
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.6 10.8 16.2

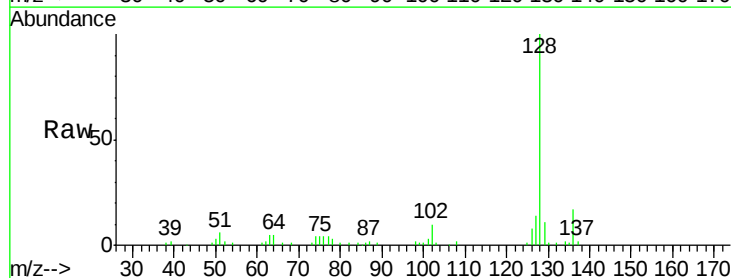


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

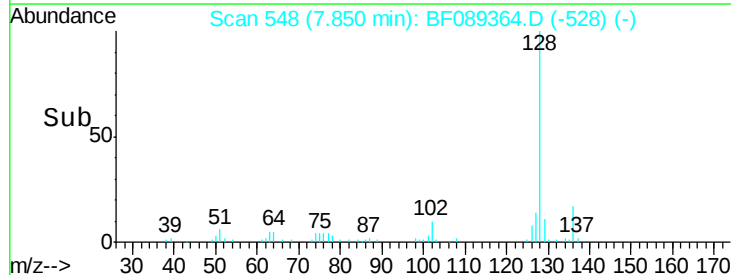
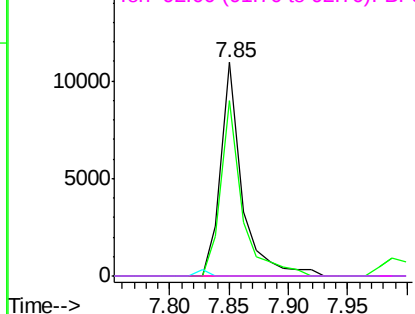


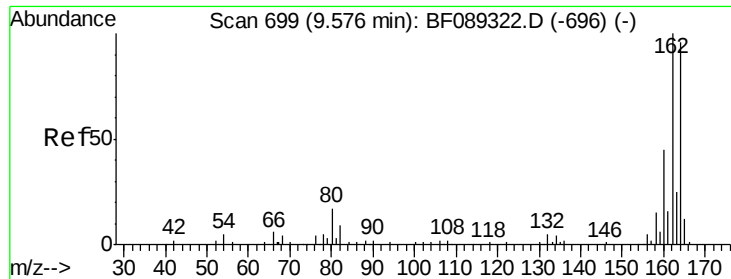
#33
4-Chloroaniline
Concen: 3.78 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.07 min
Lab File: BF089364.D
Acq: 28 Jul 2016 13:39

Tgt Ion:127 Resp: 13690
Ion Ratio Lower Upper
127 100
129 82.1 26.1 39.1#
65 0.0 22.0 33.0#
92 0.0 15.2 22.8#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

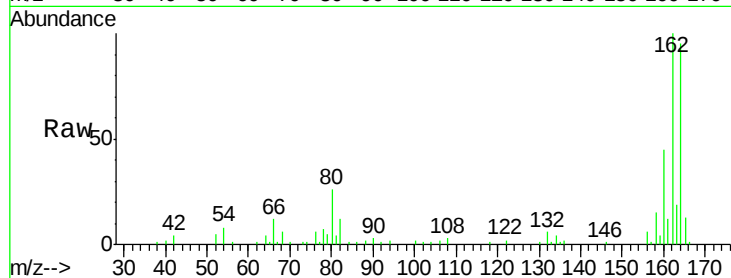




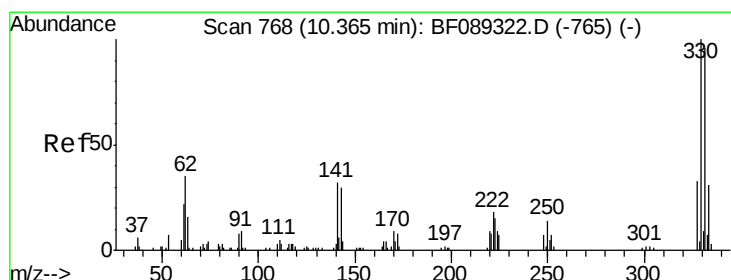
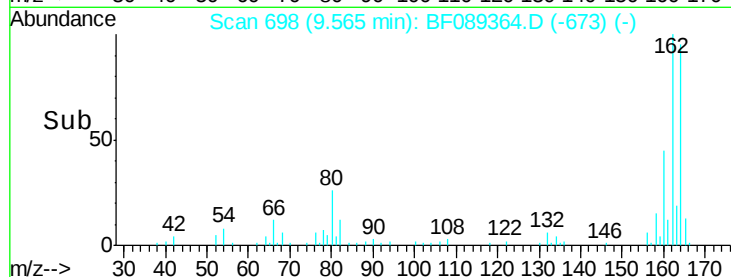
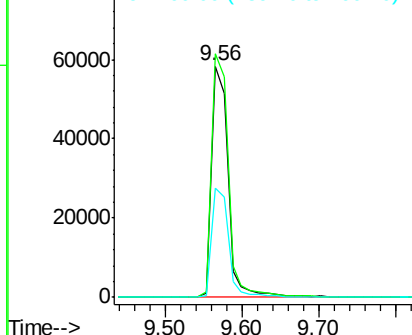
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: BF089364.D
 Acq: 28 Jul 2016 13:39

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:164 Resp: 86744
 Ion Ratio Lower Upper
 164 100
 162 105.2 83.7 125.5
 160 47.4 37.8 56.6

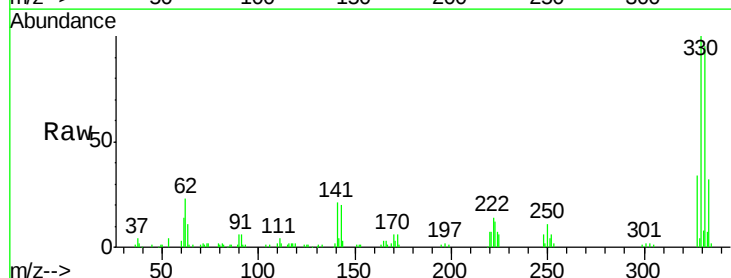


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

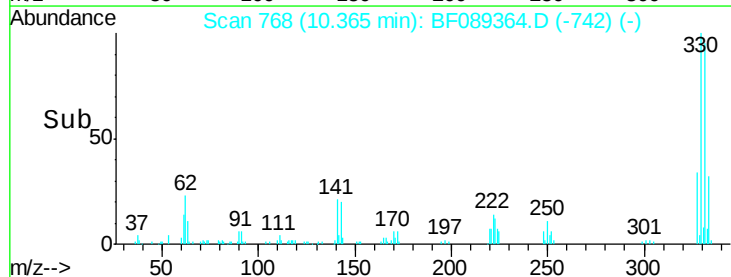
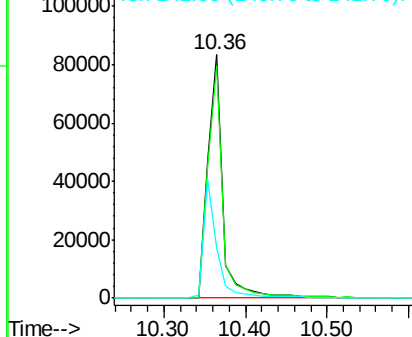


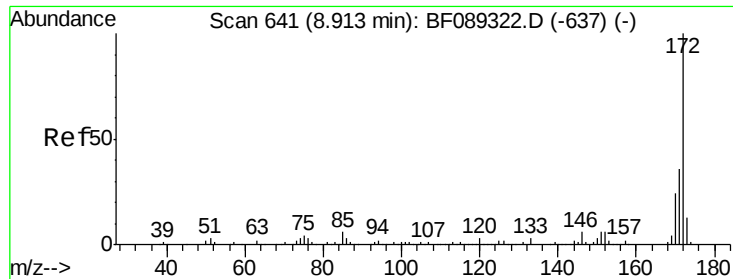
#41
 2,4,6-Tribromophenol
 Concen: 151.57 ng
 RT: 10.36 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BF089364.D
 Acq: 28 Jul 2016 13:39

Tgt Ion:330 Resp: 108890
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.8 115.2
 141 44.6 37.3 55.9



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

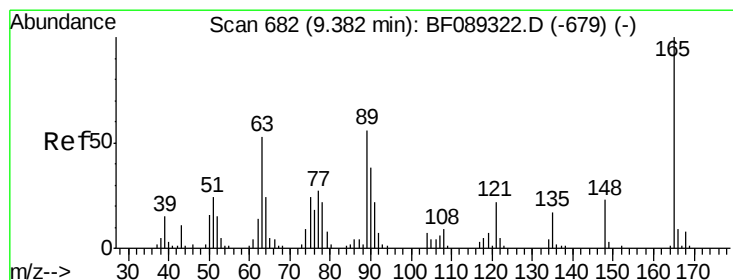
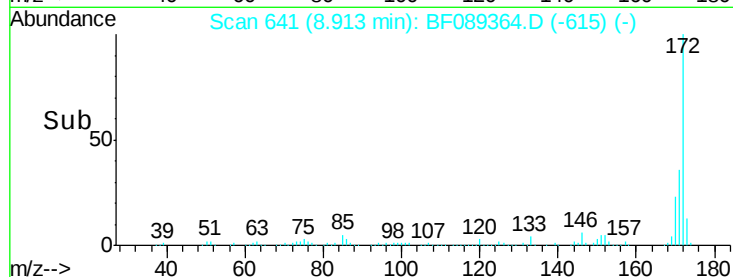
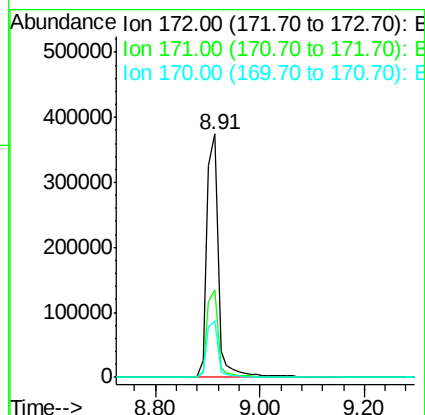
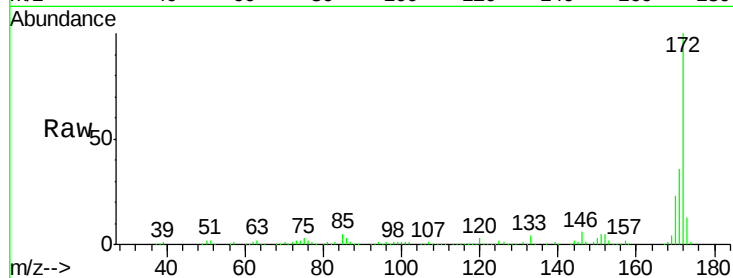




#44
 2-Fluorobiphenyl
 Concen: 97.80 ng
 RT: 8.91 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF089364.D
 Acq: 28 Jul 2016 13:39

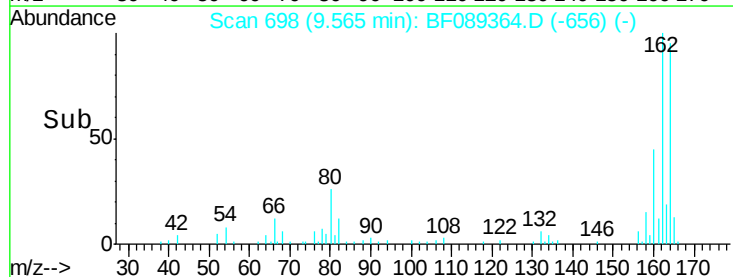
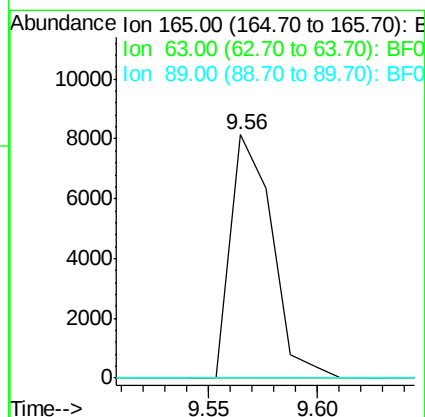
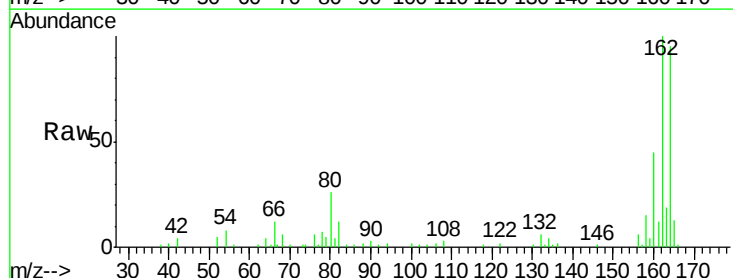
Instrument :
 BNA_F
 ClientSampled :

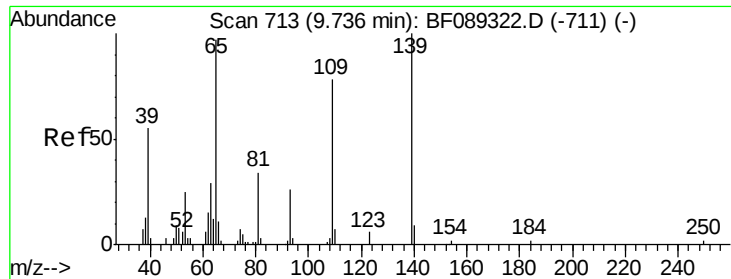
Tgt Ion:172 Resp: 578067
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.2 43.8
 170 23.4 19.2 28.8



#50
 2,6-Dinitrotoluene
 Concen: 7.94 ng
 RT: 9.56 min Scan# 698
 Delta R.T. 0.18 min
 Lab File: BF089364.D
 Acq: 28 Jul 2016 13:39

Tgt Ion:165 Resp: 10770
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.5 65.3#
 89 0.0 45.0 67.4#

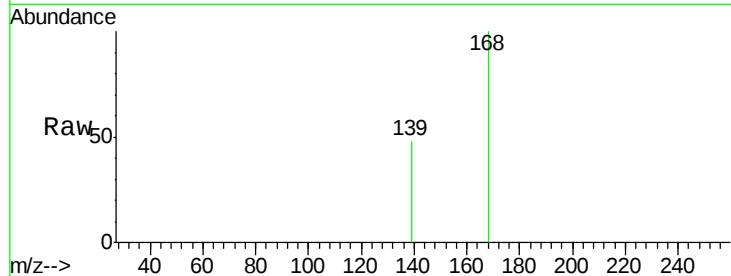




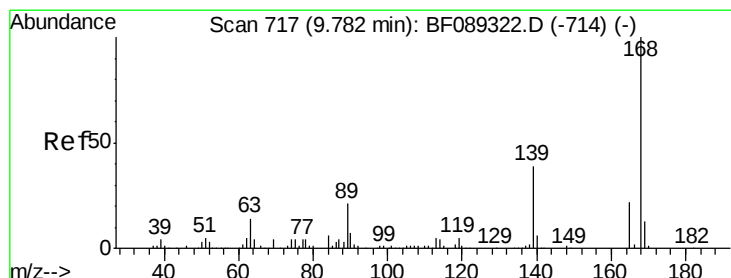
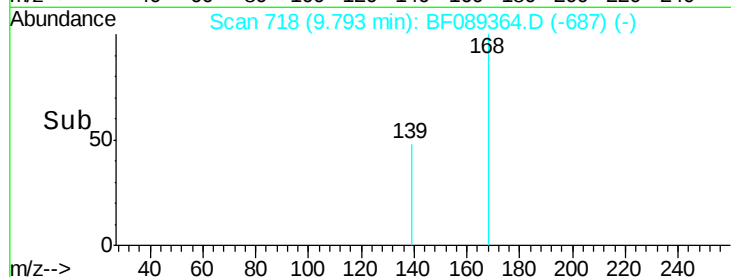
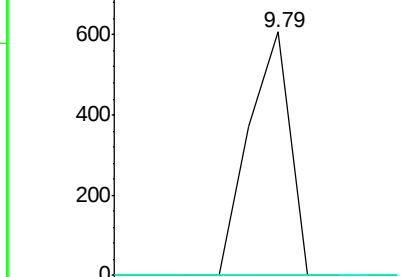
#55
4-Nitrophenol
Concen: 7.07 ng
RT: 9.79 min Scan# 718
Delta R.T. 0.06 min
Lab File: BF089364.D
Acq: 28 Jul 2016 13:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 672
Ion Ratio Lower Upper
139 100
109 0.0 57.8 97.8#
65 0.0 81.7 121.7#

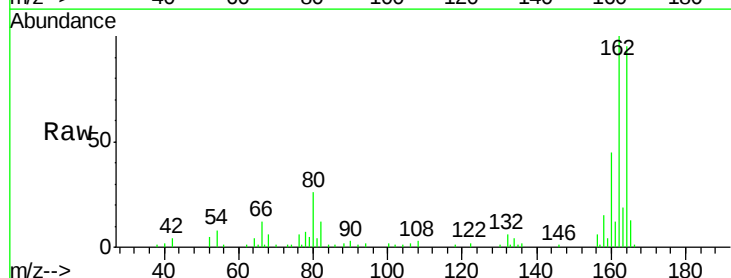


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

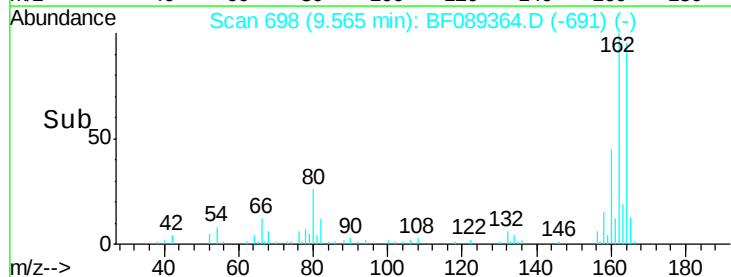
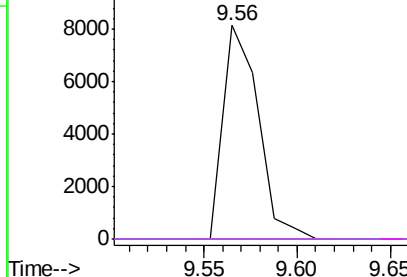


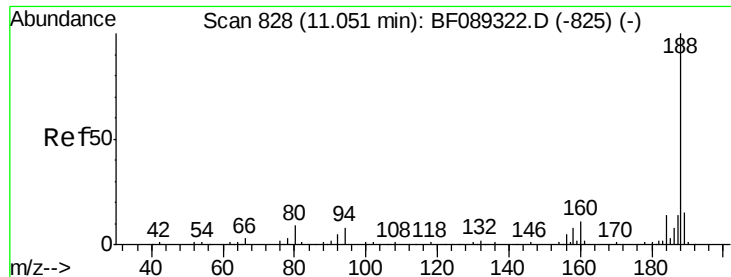
#56
2,4-Dinitrotoluene
Concen: 6.03 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.22 min
Lab File: BF089364.D
Acq: 28 Jul 2016 13:39

Tgt Ion:165 Resp: 10770
Ion Ratio Lower Upper
165 100
63 0.0 58.2 87.2#
89 0.0 79.1 118.7#
182 0.0 1.8 2.8#



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

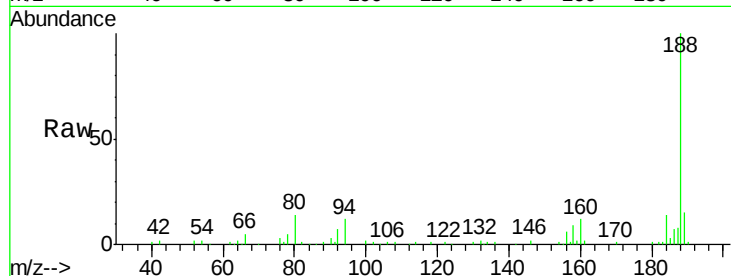




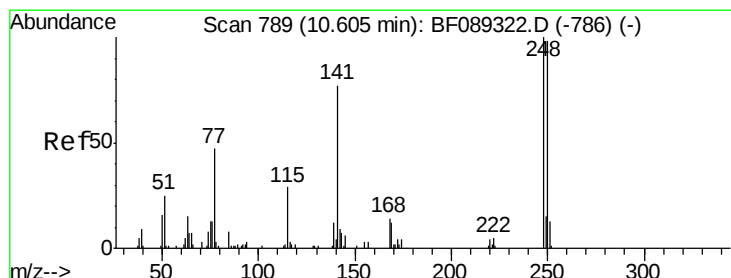
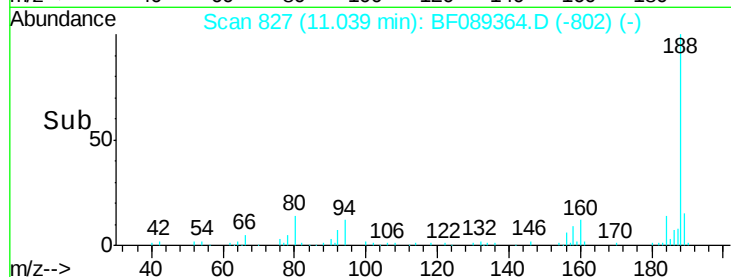
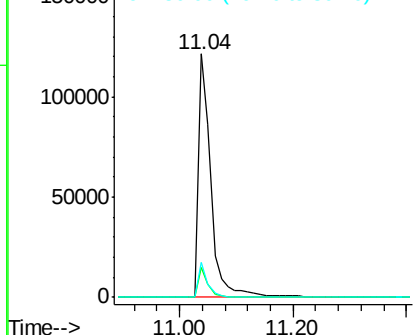
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.04 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BF089364.D
 Acq: 28 Jul 2016 13:39

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:188 Resp: 180500
 Ion Ratio Lower Upper
 188 100
 94 12.4 6.5 9.7#
 80 14.5 7.2 10.8#

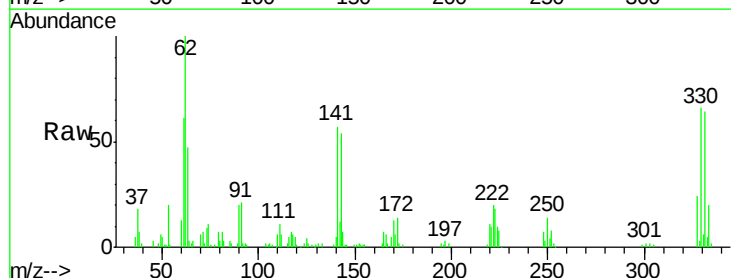


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

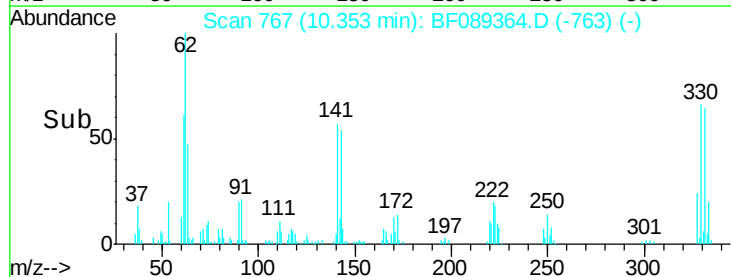
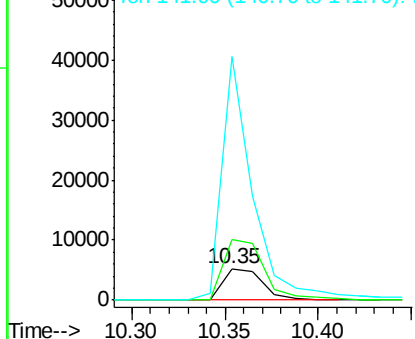


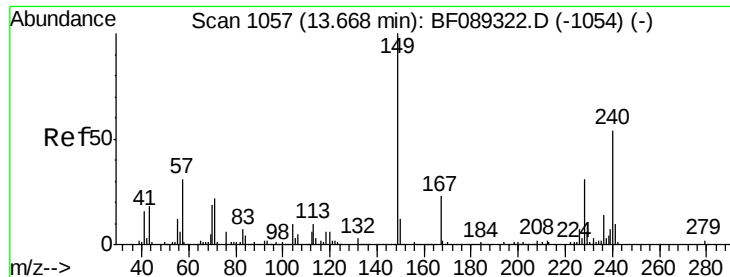
#66
 4-Bromophenyl-phenylether
 Concen: 4.47 ng
 RT: 10.35 min Scan# 767
 Delta R.T. -0.25 min
 Lab File: BF089364.D
 Acq: 28 Jul 2016 13:39

Tgt Ion:248 Resp: 7701
 Ion Ratio Lower Upper
 248 100
 250 191.8 78.2 117.2#
 141 767.8 62.0 93.0#



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: 13.67 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF089364.D

Acq: 28 Jul 2016 13:39

Instrument :

BNA_F

ClientSampleId :

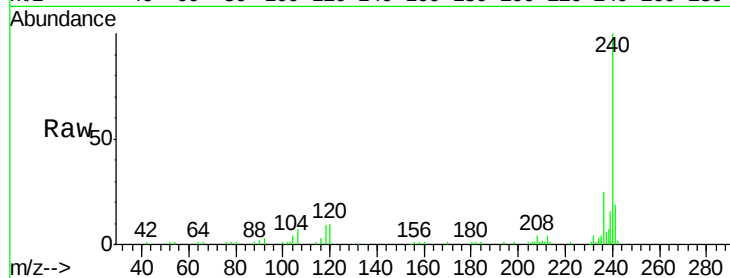
Tgt Ion:240 Resp: 126477

Ion Ratio Lower Upper

240 100

120 9.6 9.1 13.7

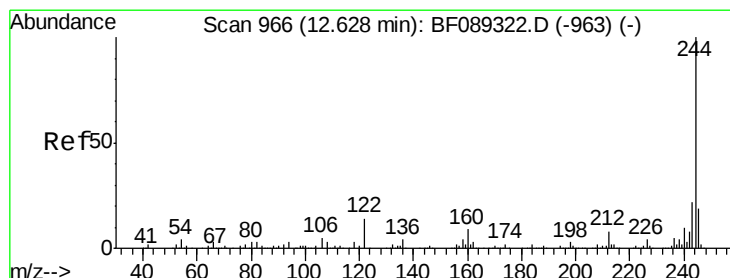
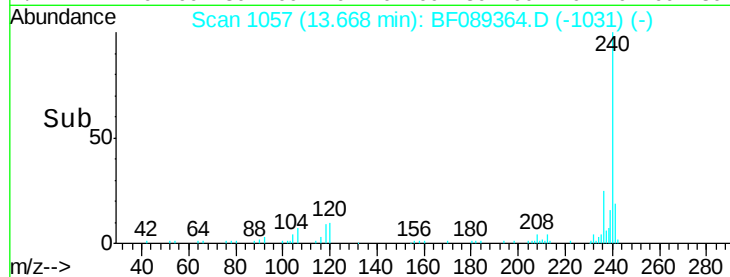
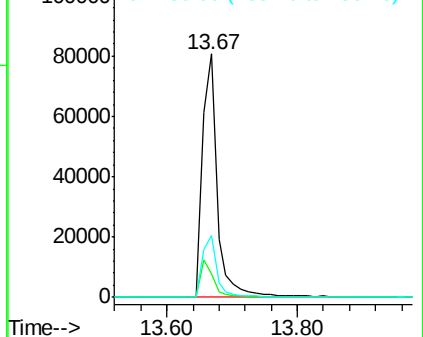
236 25.5 20.6 30.8



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: 97.83 ng

RT: 12.63 min Scan# 966

Delta R.T. 0.00 min

Lab File: BF089364.D

Acq: 28 Jul 2016 13:39

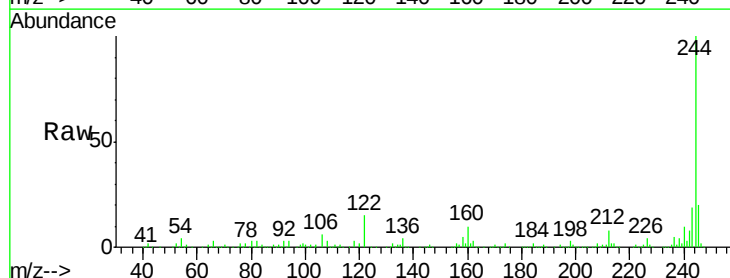
Tgt Ion:244 Resp: 528687

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

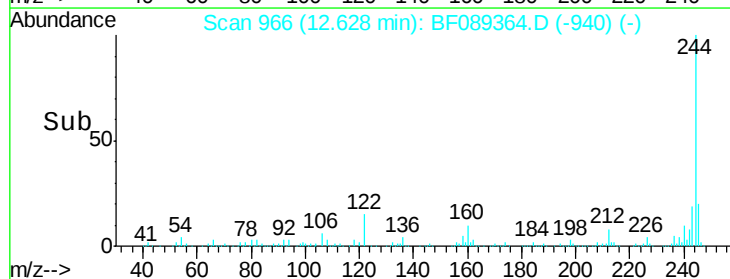
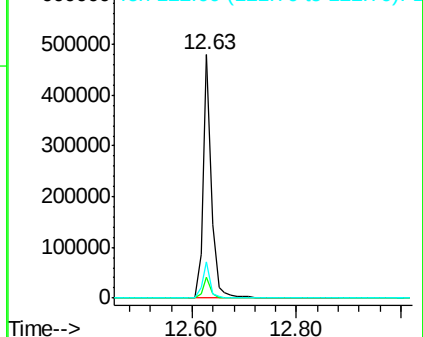
122 15.0 11.4 17.0

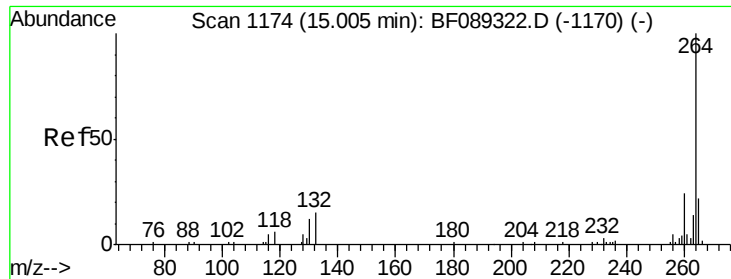


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

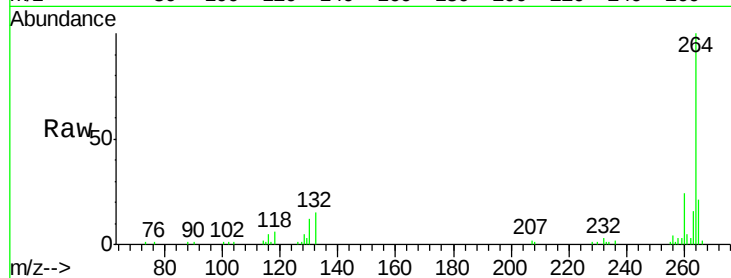




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF089364.D
Acq: 28 Jul 2016 13:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 264 Resp: 94249
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.4
265 21.4 17.5 26.3



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

