

Data Path : Z:\HPCHEM1\BNA F\Data\BF072916\
 Data File : BF089403.D
 Acq On : 29 Jul 2016 10:48
 Operator : UM/SJ
 Sample : H4186-26
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 I-3

Quant Time: Jul 29 12:20:37 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

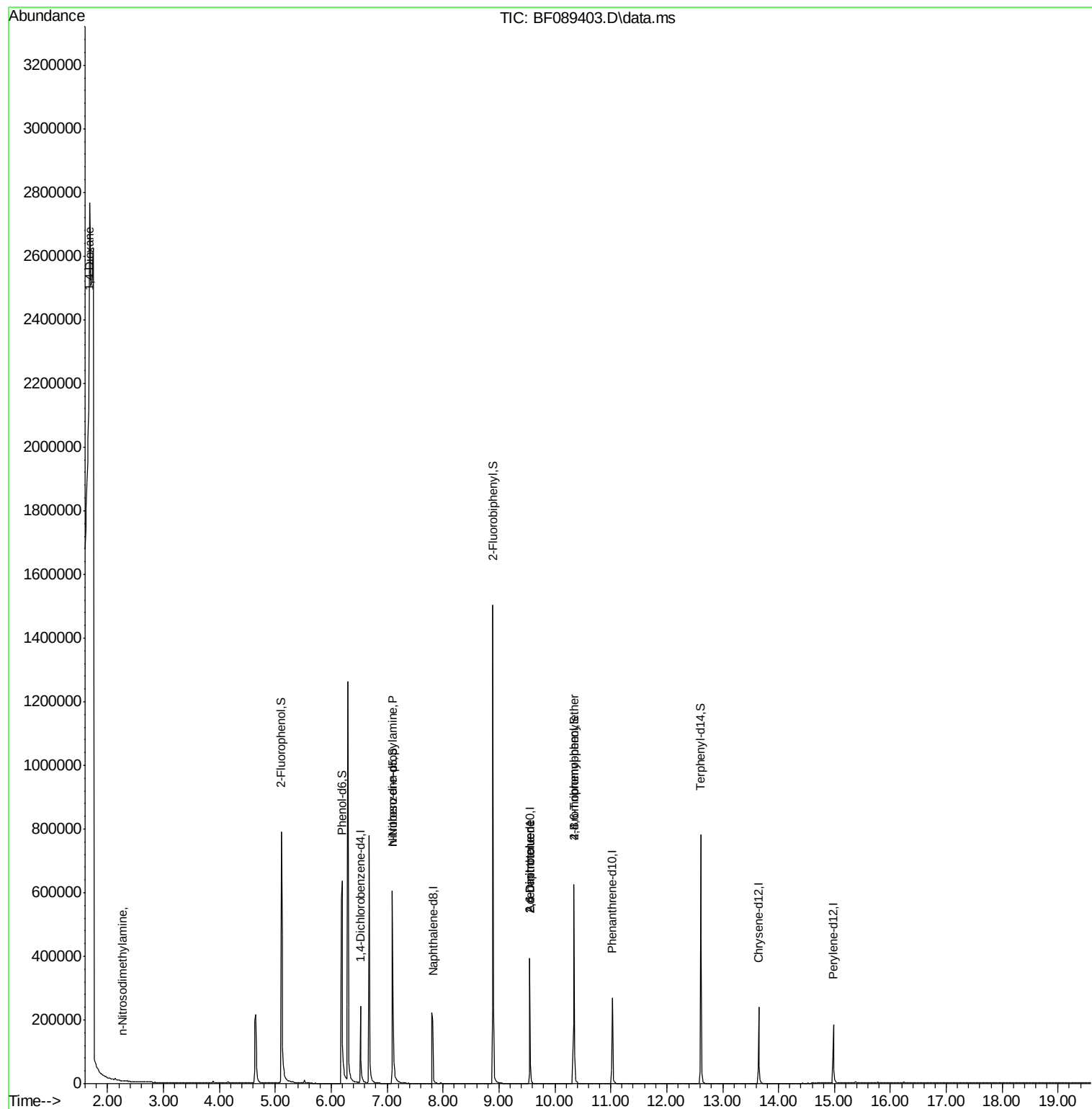
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.524	152	46125	20.00	ng	-0.02
21) Naphthalene-d8	7.816	136	175843	20.00	ng	-0.01
38) Acenaphthene-d10	9.553	164	75382	20.00	ng	-0.02
63) Phenanthrene-d10	11.028	188	115161	20.00	ng	-0.02
75) Chrysene-d12	13.645	240	93112	20.00	ng	-0.02
86) Perylene-d12	14.982	264	86922	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.107	112	322761	111.73	ng	0.00
7) Phenol-d6	6.193	99	415861	108.93	ng	-0.01
23) Nitrobenzene-d5	7.096	82	278094	93.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.342	330	72442	116.03	ng	-0.02
44) 2-Fluorobiphenyl	8.890	172	488217	95.05	ng	-0.02
78) Terphenyl-d14	12.605	244	304650	76.58	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	1.678	88	44566	33.48	ng	# 26
4) n-Nitrosodimethylamine	2.261	42	1145	8.56	ng	# 1
19) n-Nitroso-di-n-propyla...	7.096	70	36403	15.81	ng	# 82
50) 2,6-Dinitrotoluene	9.553	165	9599	8.14	ng	# 24
56) 2,4-Dinitrotoluene	9.553	165	9599	6.19	ng	# 7
66) 4-Bromophenyl-phenylether	10.342	248	5508	5.01	ng	# 1

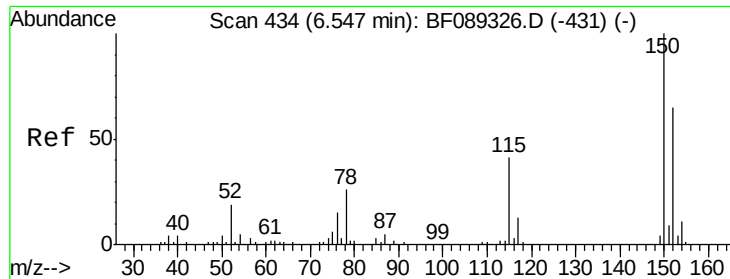
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.524 min Scan# 43

Delta R.T. -0.023 min

Lab File: BF089403.D

Acq: 29 Jul 2016 10:48

Instrument :

BNA_F

ClientSampleId :

I-3

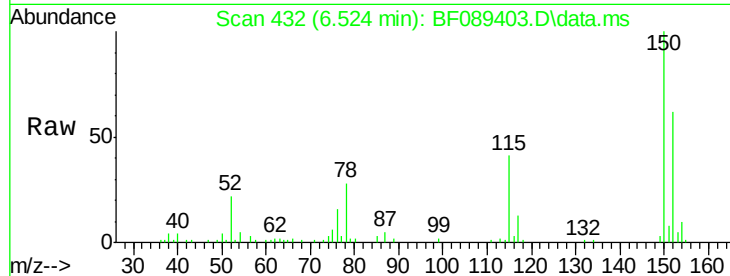
Tot Ion:152 Resp: 46125

Ion Ratio Lower Upper

152 100

150 160.8 129.5 194.3

115 66.0 51.4 77.2



Abundance

200000

150000

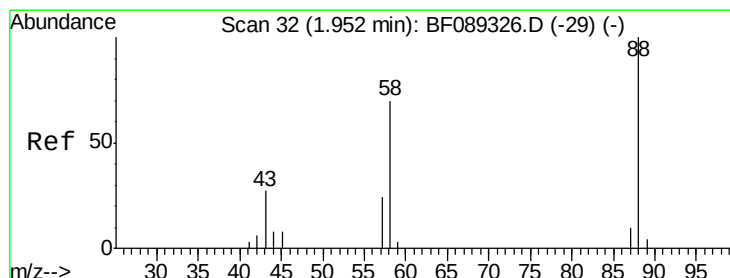
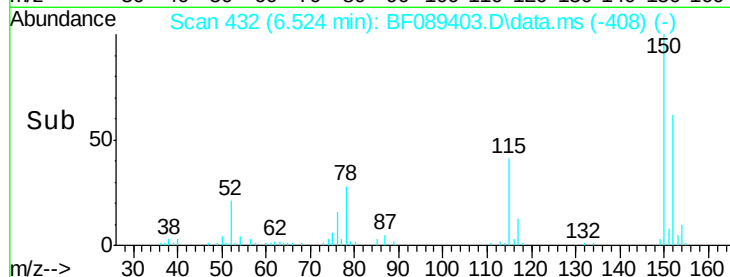
100000

50000

0

6.524

Time-->



#2

1,4-Dioxane

Concen: 33.48 ng

RT: 1.678 min Scan# 8

Delta R.T. -0.274 min

Lab File: BF089403.D

Acq: 29 Jul 2016 10:48

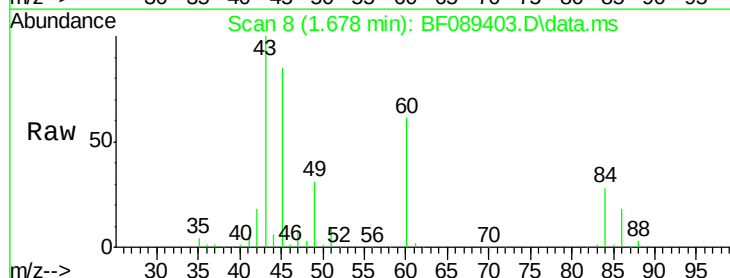
Tgt Ion: 88 Resp: 44566

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

43 0.0 20.6 31.0#



Abundance

800000

600000

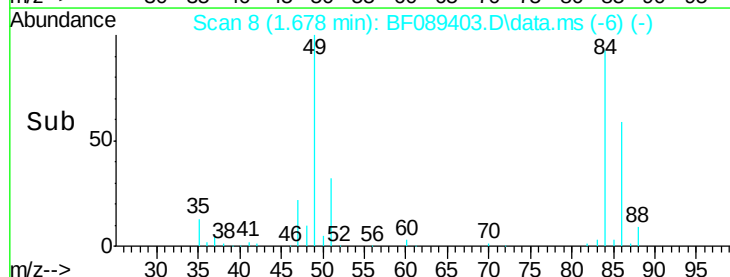
400000

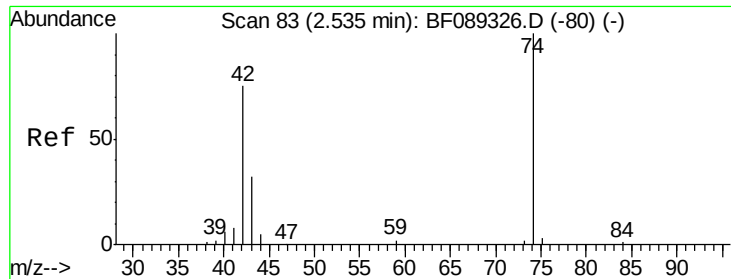
200000

0

1.678

Time-->





#4

n-Nitrosodimethylamine

Concen: 8.56 ng

RT: 2.261 min Scan# 59

Delta R.T. -0.274 min

Lab File: BF089403.D

Acq: 29 Jul 2016 10:48

Instrument :

BNA_F

ClientSampleId :

I-3

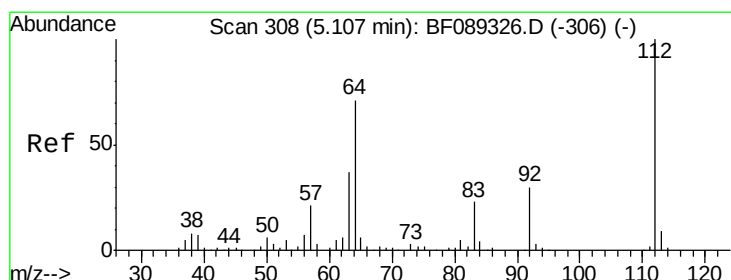
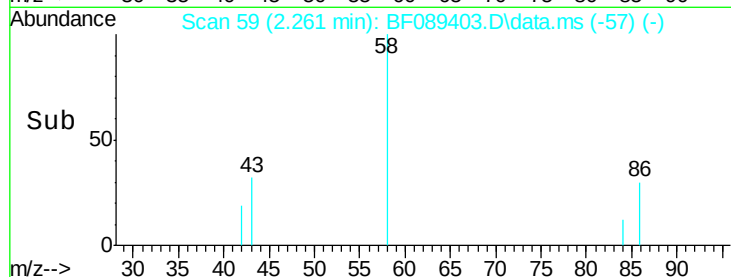
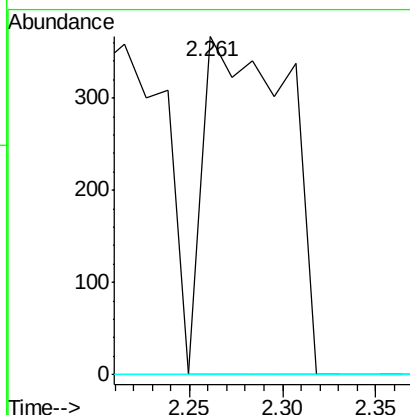
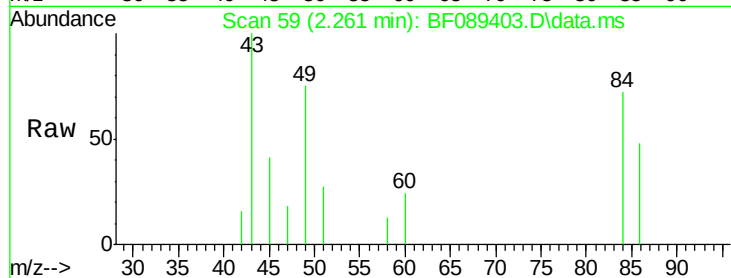
Tot Ion: 42 Resp: 1145

Ion Ratio Lower Upper

42 100

74 0.0 110.8 166.2#

44 0.0 5.2 7.8#



#5

2-Fluorophenol

Concen: 111.73 ng

RT: 5.107 min Scan# 308

Delta R.T. 0.000 min

Lab File: BF089403.D

Acq: 29 Jul 2016 10:48

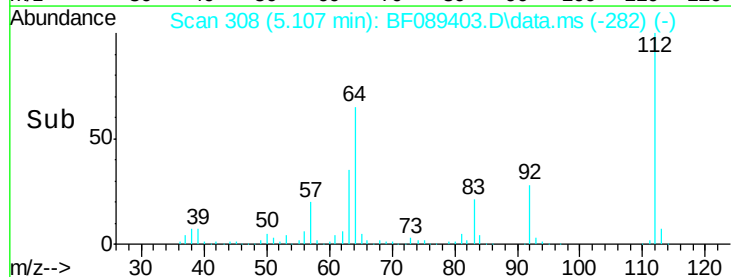
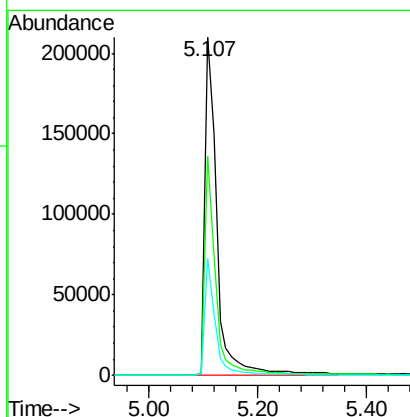
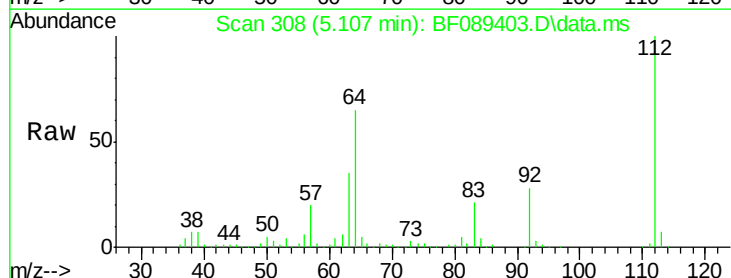
Tgt Ion: 112 Resp: 322761

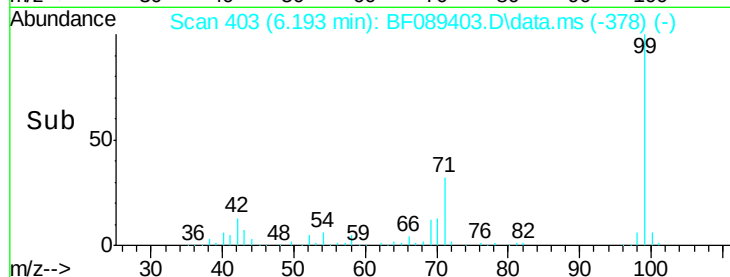
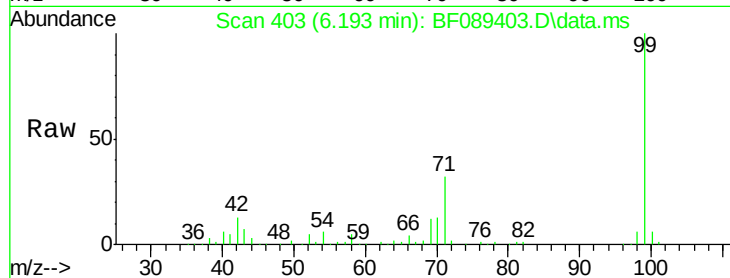
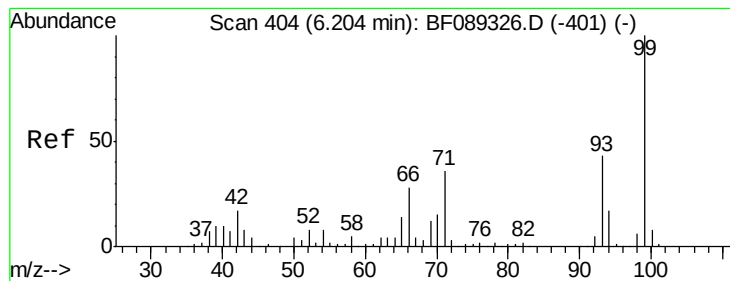
Ion Ratio Lower Upper

112 100

64 64.7 55.0 82.6

63 34.6 29.4 44.2





#7

Phenol-d6

Concen: 108.93 ng

RT: 6.193 min Scan# 40

Delta R.T. -0.011 min

Lab File: BF089403.D

Acq: 29 Jul 2016 10:48

Instrument :

BNA_F

ClientSampleId :

I-3

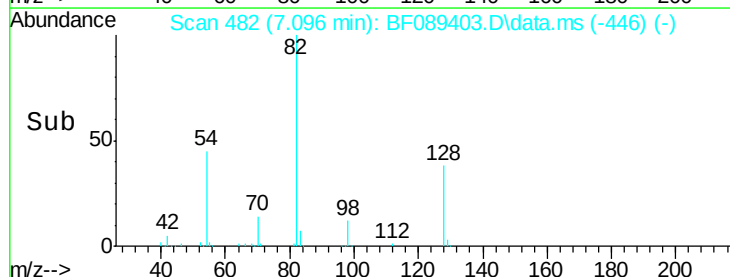
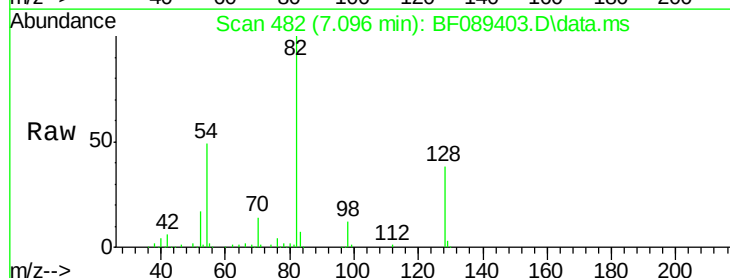
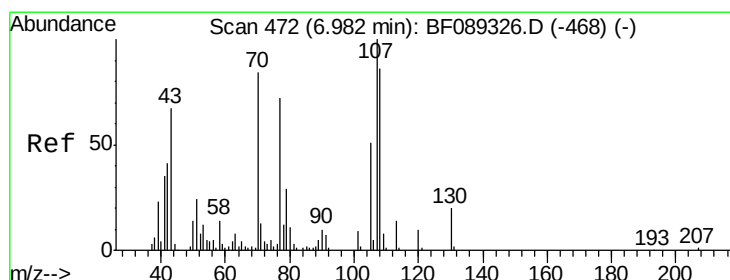
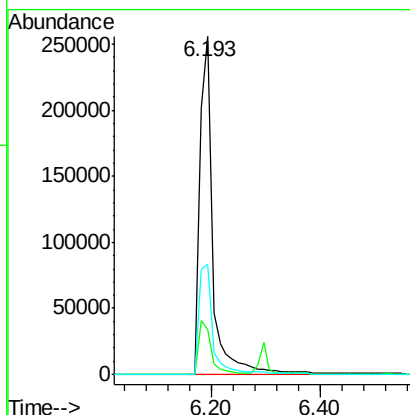
Tot Ion: 99 Resp: 415861

Ion Ratio Lower Upper

99 100

42 13.5 13.6 20.4#

71 32.5 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.81 ng

RT: 7.096 min Scan# 482

Delta R.T. 0.114 min

Lab File: BF089403.D

Acq: 29 Jul 2016 10:48

Tgt Ion: 70 Resp: 36403

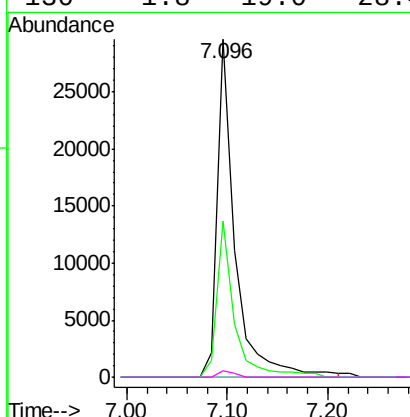
Ion Ratio Lower Upper

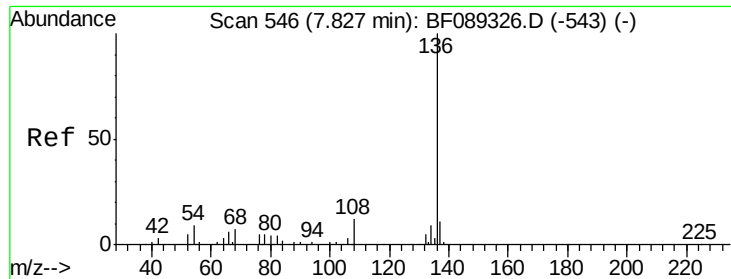
70 100

42 46.1 38.6 57.8

101 0.0 8.3 12.5#

130 1.8 19.0 28.4#

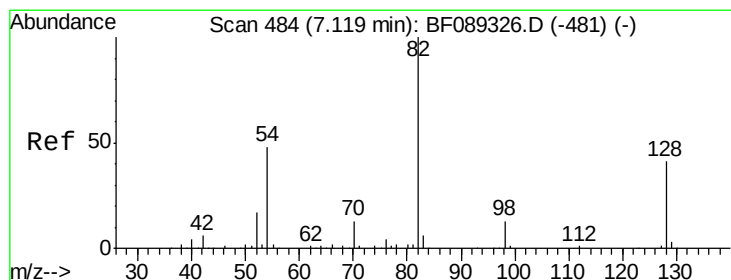
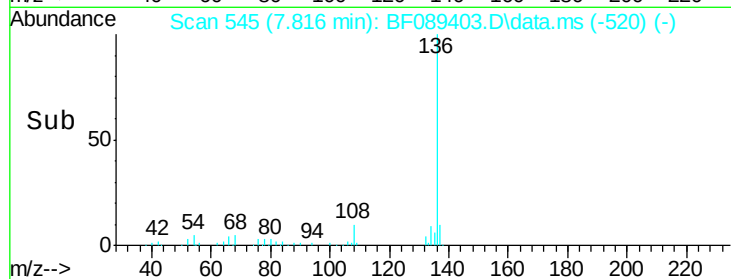
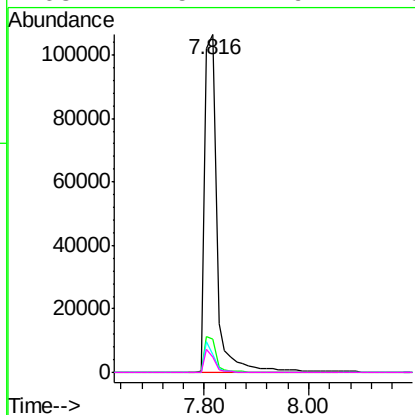
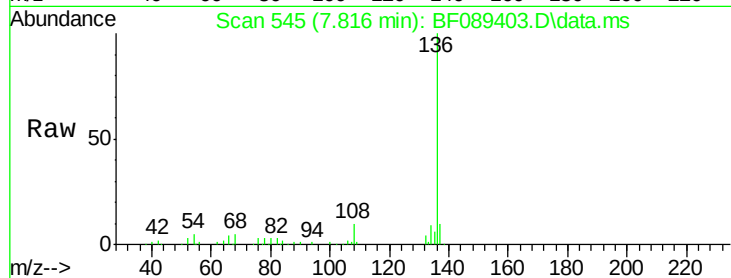




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.816 min Scan# 54
Delta R.T. -0.011 min
Lab File: BF089403.D
Acq: 29 Jul 2016 10:48

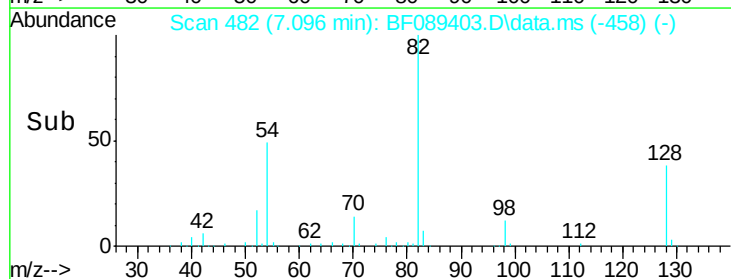
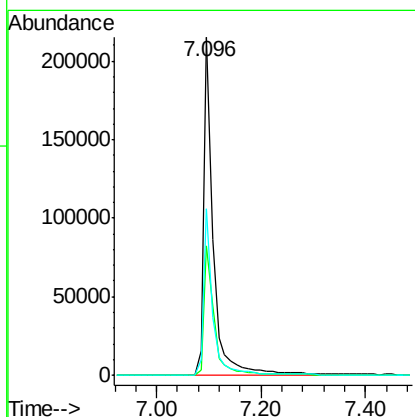
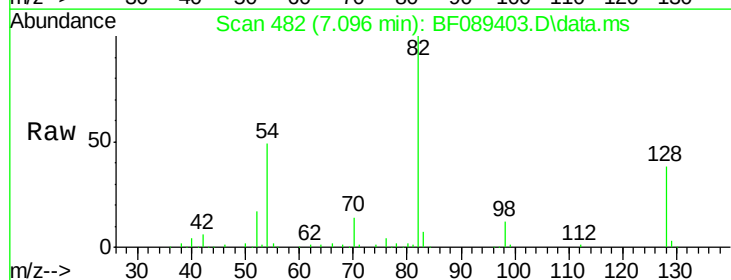
Instrument :
BNA_F
ClientSampleId :
I-3

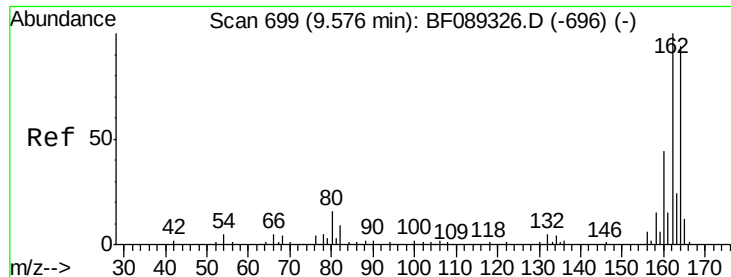
Tot Ion:136	Resp:	175843
Ion Ratio	Lower	Upper
136	100	
137	9.9	8.6 13.0
54	5.4	7.0 10.4#
68	4.5	4.9 7.3#



#23
Nitrobenzene-d5
Concen: 93.35 ng
RT: 7.096 min Scan# 482
Delta R.T. -0.023 min
Lab File: BF089403.D
Acq: 29 Jul 2016 10:48

Tgt Ion: 82	Resp:	278094
Ion Ratio	Lower	Upper
82	100	
128	38.3	32.5 48.7
54	49.1	38.8 58.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.553 min Scan# 69

Delta R.T. -0.023 min

Lab File: BF089403.D

Acq: 29 Jul 2016 10:48

Instrument :

BNA_F

ClientSampleId :

I-3

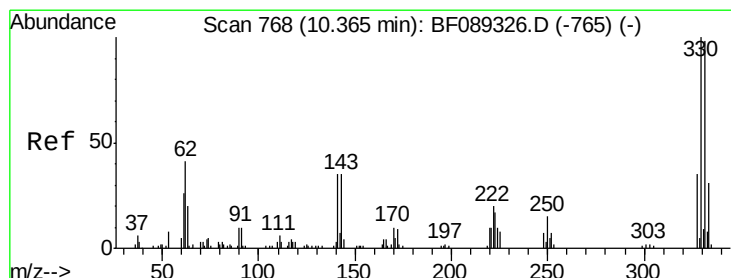
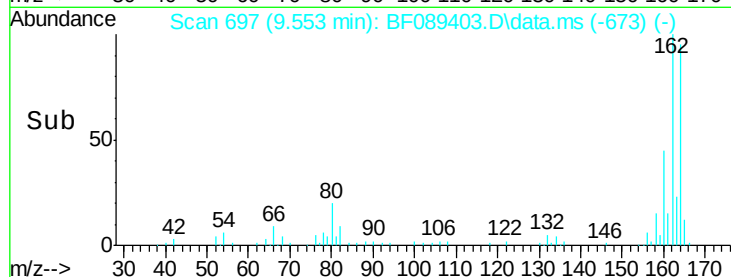
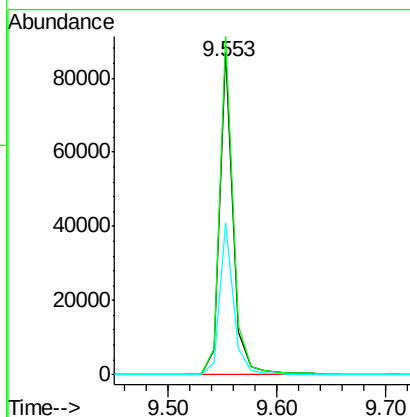
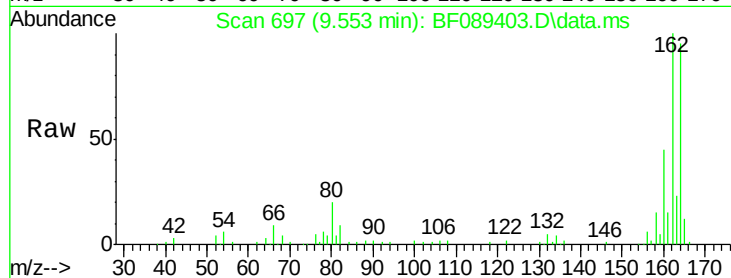
Tot Ion:164 Resp: 75382

Ion Ratio Lower Upper

164 100

162 104.8 83.7 125.5

160 46.8 37.8 56.6



#41

2,4,6-Tribromophenol

Concen: 116.03 ng

RT: 10.342 min Scan# 766

Delta R.T. -0.023 min

Lab File: BF089403.D

Acq: 29 Jul 2016 10:48

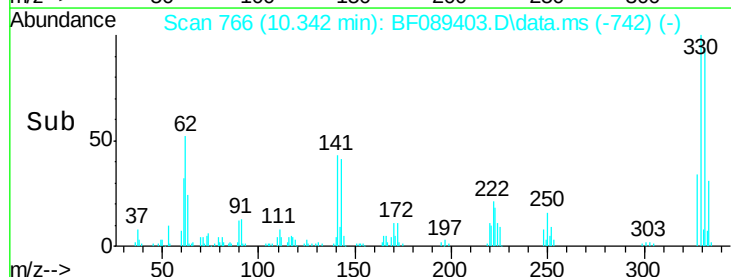
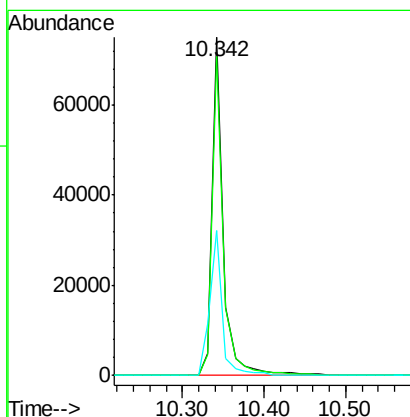
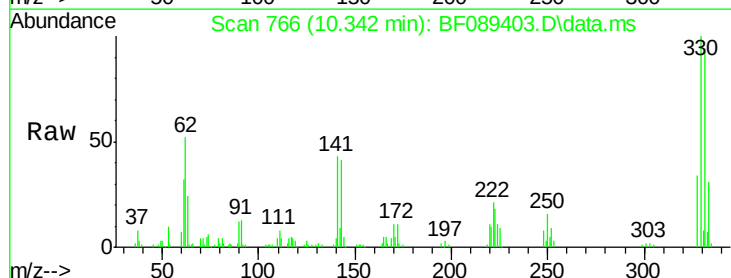
Tgt Ion:330 Resp: 72442

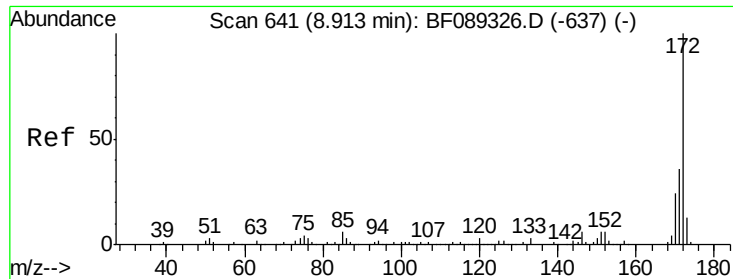
Ion Ratio Lower Upper

330 100

332 95.0 76.8 115.2

141 48.0 37.3 55.9

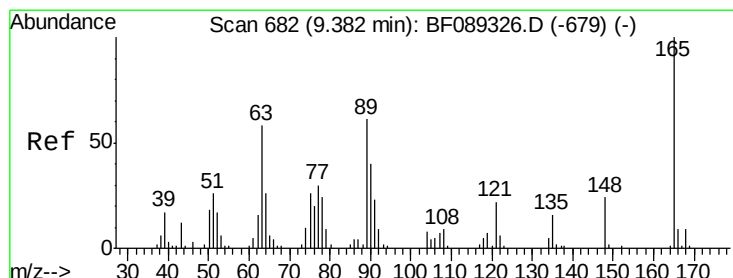
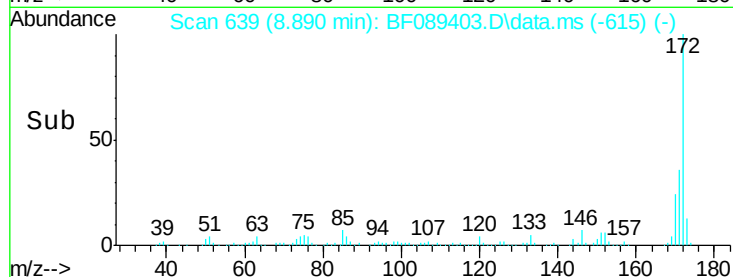
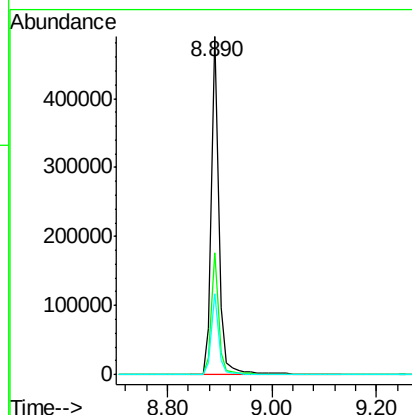
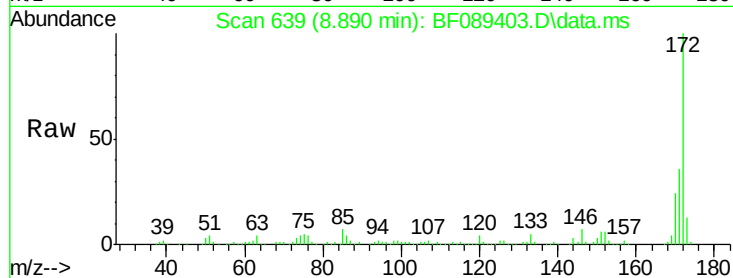




#44
 2-Fluorobiphenyl
 Concen: 95.05 ng
 RT: 8.890 min Scan# 637
 Delta R.T. -0.023 min
 Lab File: BF089403.D
 Acq: 29 Jul 2016 10:48

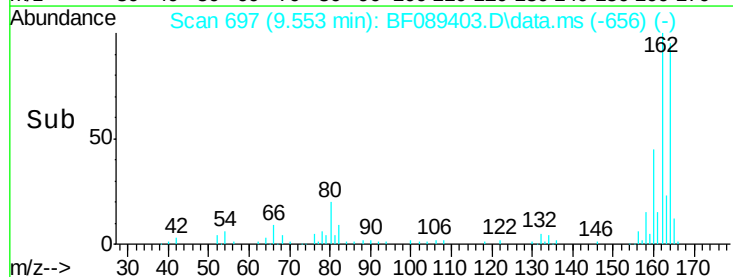
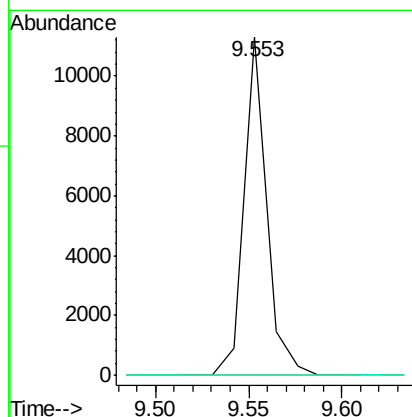
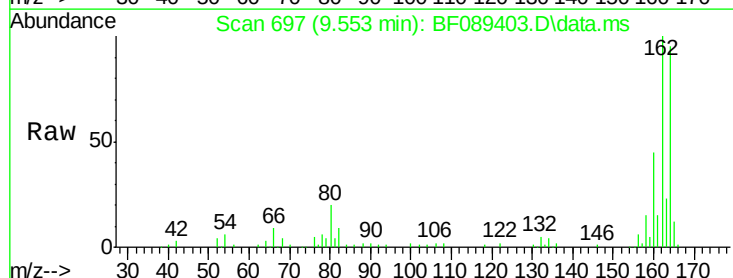
Instrument :
 BNA_F
 ClientSampleId :
 I-3

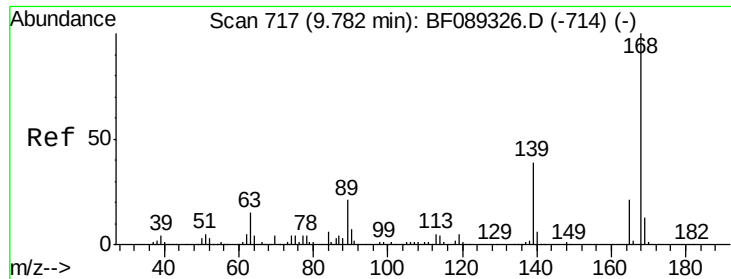
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	23.8	19.2	28.8



#50
 2,6-Dinitrotoluene
 Concen: 8.14 ng
 RT: 9.553 min Scan# 697
 Delta R.T. 0.171 min
 Lab File: BF089403.D
 Acq: 29 Jul 2016 10:48

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

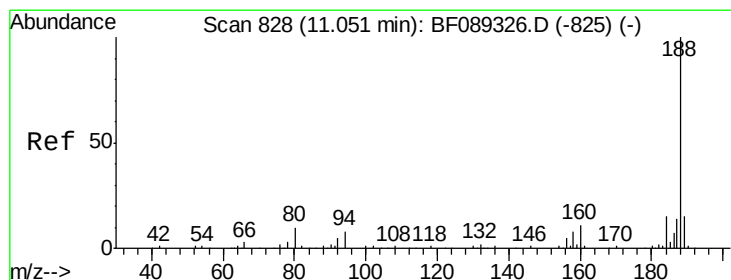
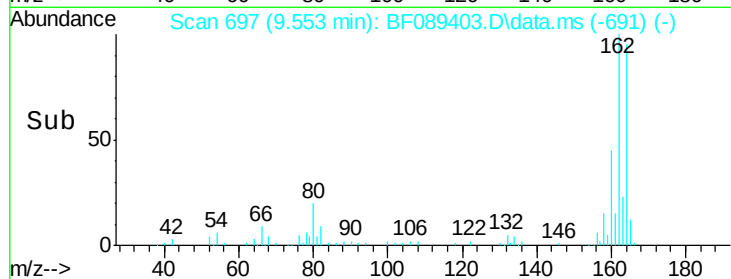
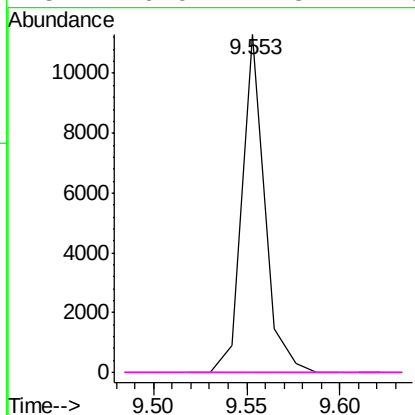
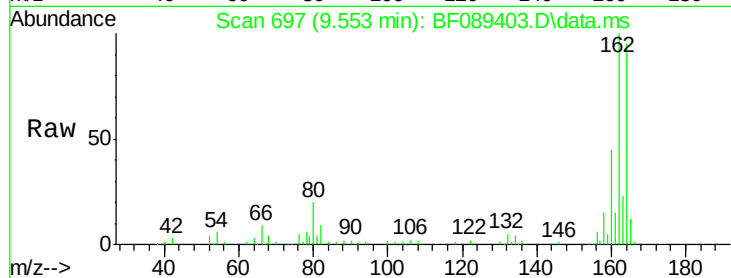




#56
 2,4-Dinitrotoluene
 Concen: 6.19 ng
 RT: 9.553 min Scan# 69
 Delta R.T. -0.229 min
 Lab File: BF089403.D
 Acq: 29 Jul 2016 10:48

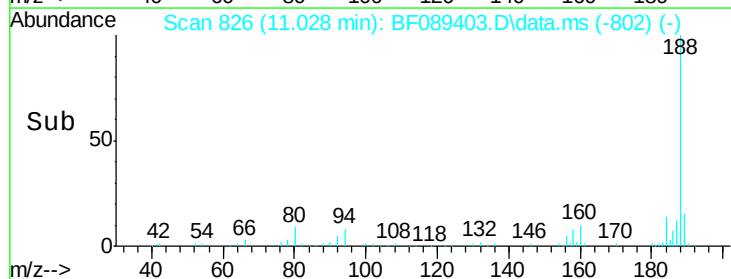
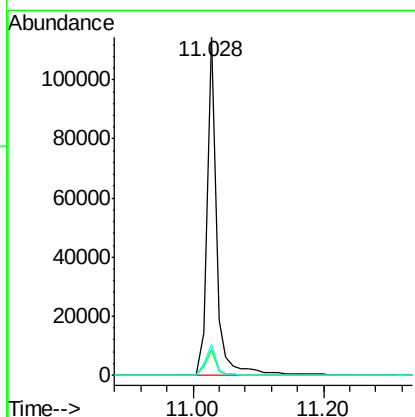
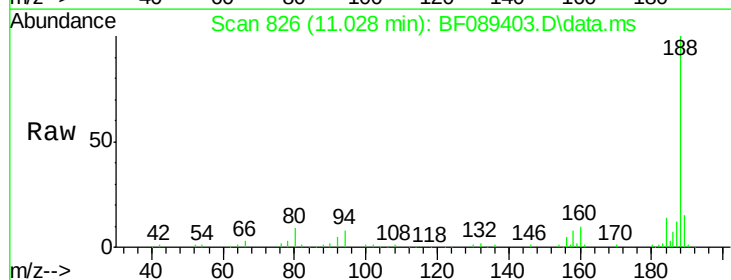
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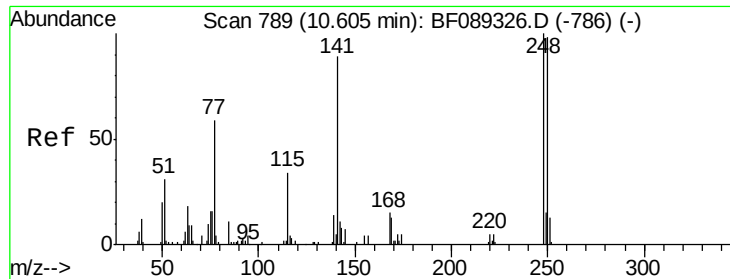
Tot Ion:165 Resp: 9599
 Ion Ratio Lower Upper
 165 100
 63 0.0 58.2 87.2#
 89 0.0 79.1 118.7#
 182 0.0 1.8 2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.028 min Scan# 826
 Delta R.T. -0.023 min
 Lab File: BF089403.D
 Acq: 29 Jul 2016 10:48

Tgt Ion:188 Resp: 115161
 Ion Ratio Lower Upper
 188 100
 94 7.7 6.5 9.7
 80 9.3 7.2 10.8

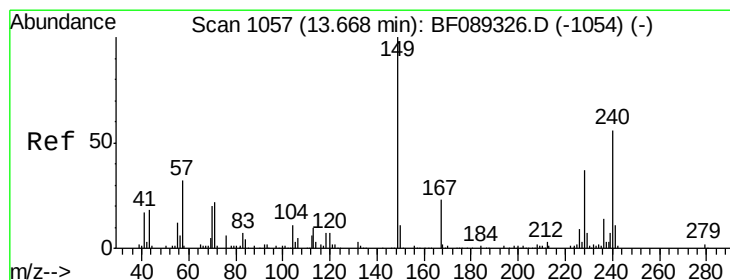
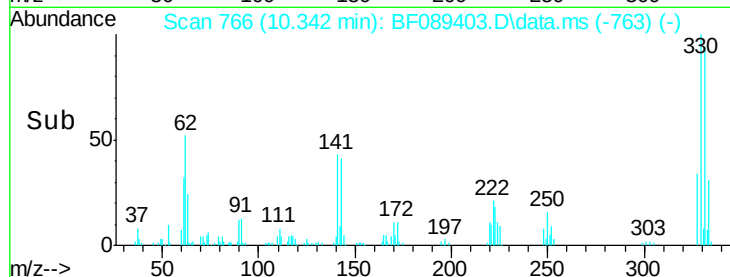
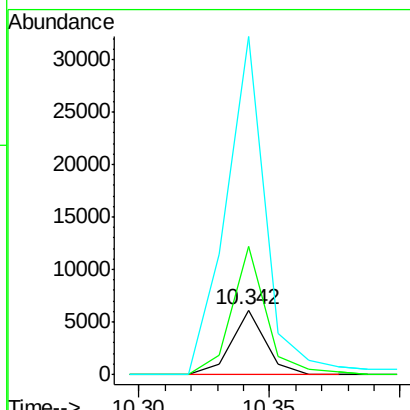
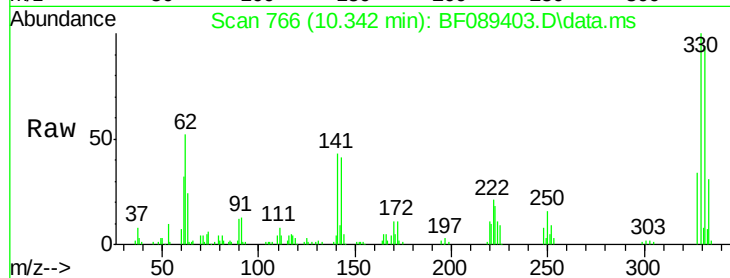




#66
 4-Bromophenyl-phenylether
 Concen: 5.01 ng
 RT: 10.342 min Scan# 76
 Delta R.T. -0.263 min
 Lab File: BF089403.D
 Acq: 29 Jul 2016 10:48

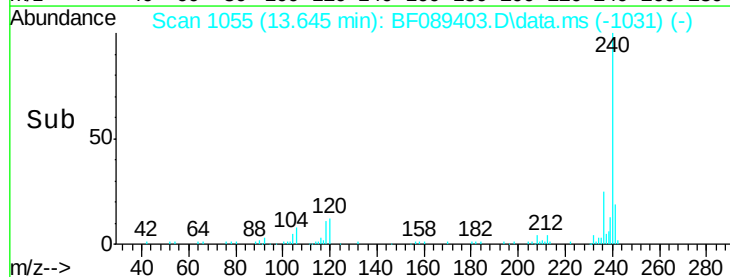
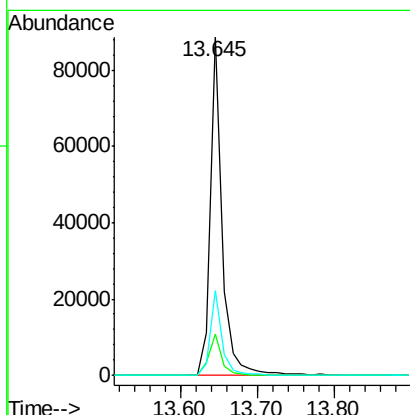
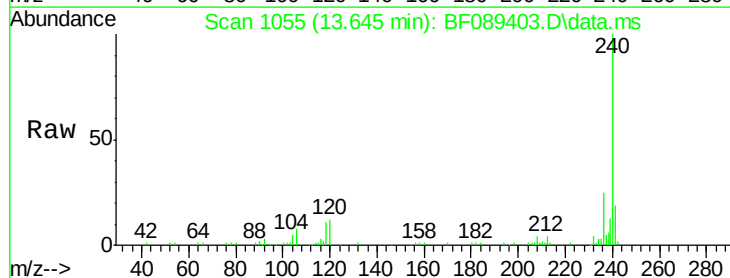
Instrument :
 BNA_F
 ClientSampleId :
 I-3

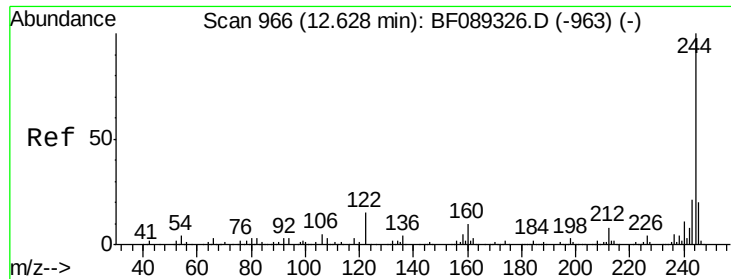
Tot Ion:248 Resp: 5508
 Ion Ratio Lower Upper
 248 100
 250 198.7 78.2 117.2#
 141 525.8 62.0 93.0#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.645 min Scan# 1055
 Delta R.T. -0.023 min
 Lab File: BF089403.D
 Acq: 29 Jul 2016 10:48

Tgt Ion:240 Resp: 93112
 Ion Ratio Lower Upper
 240 100
 120 12.2 9.1 13.7
 236 24.9 20.6 30.8

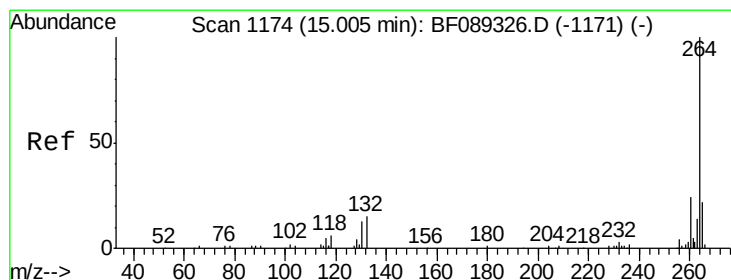
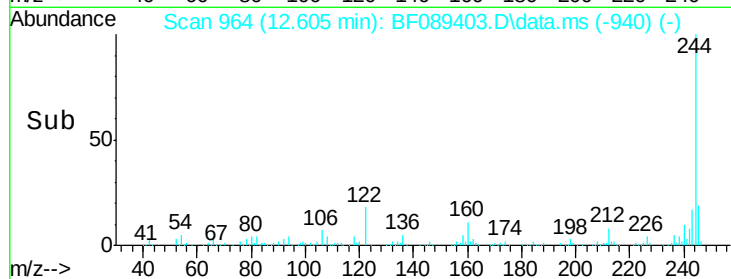
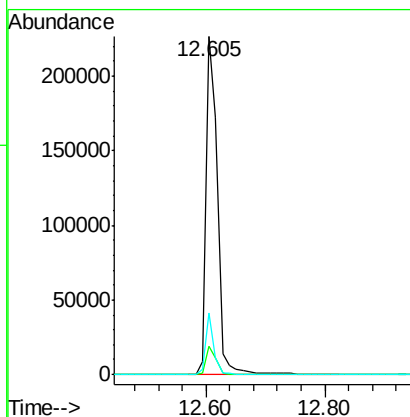
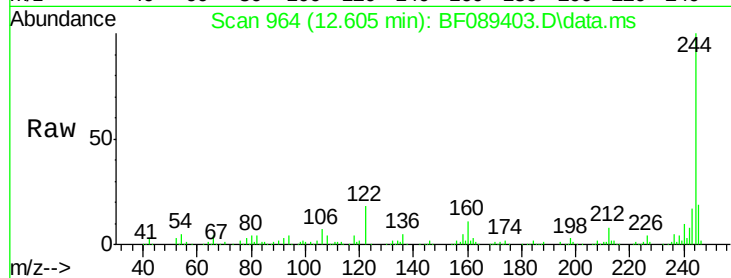




#78
 Terphenyl-d14
 Concen: 76.58 ng
 RT: 12.605 min Scan# 96
 Delta R.T. -0.023 min
 Lab File: BF089403.D
 Acq: 29 Jul 2016 10:48

Instrument :
 BNA_F
 ClientSampleId :
 I-3

Tot Ion:244 Resp: 304650
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.5 9.7
 122 18.1 11.4 17.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.982 min Scan# 1172
 Delta R.T. -0.023 min
 Lab File: BF089403.D
 Acq: 29 Jul 2016 10:48

Tgt Ion:264 Resp: 86922
 Ion Ratio Lower Upper
 264 100
 260 22.4 19.0 28.4
 265 20.7 17.5 26.3

