

Data Path : Z:\HPCHEM1\BNA F\Data\BF072916\
 Data File : BF089404.D
 Acq On : 29 Jul 2016 11:17
 Operator : UM/SJ
 Sample : H4186-27
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 I-6

Quant Time: Jul 29 12:25:19 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)

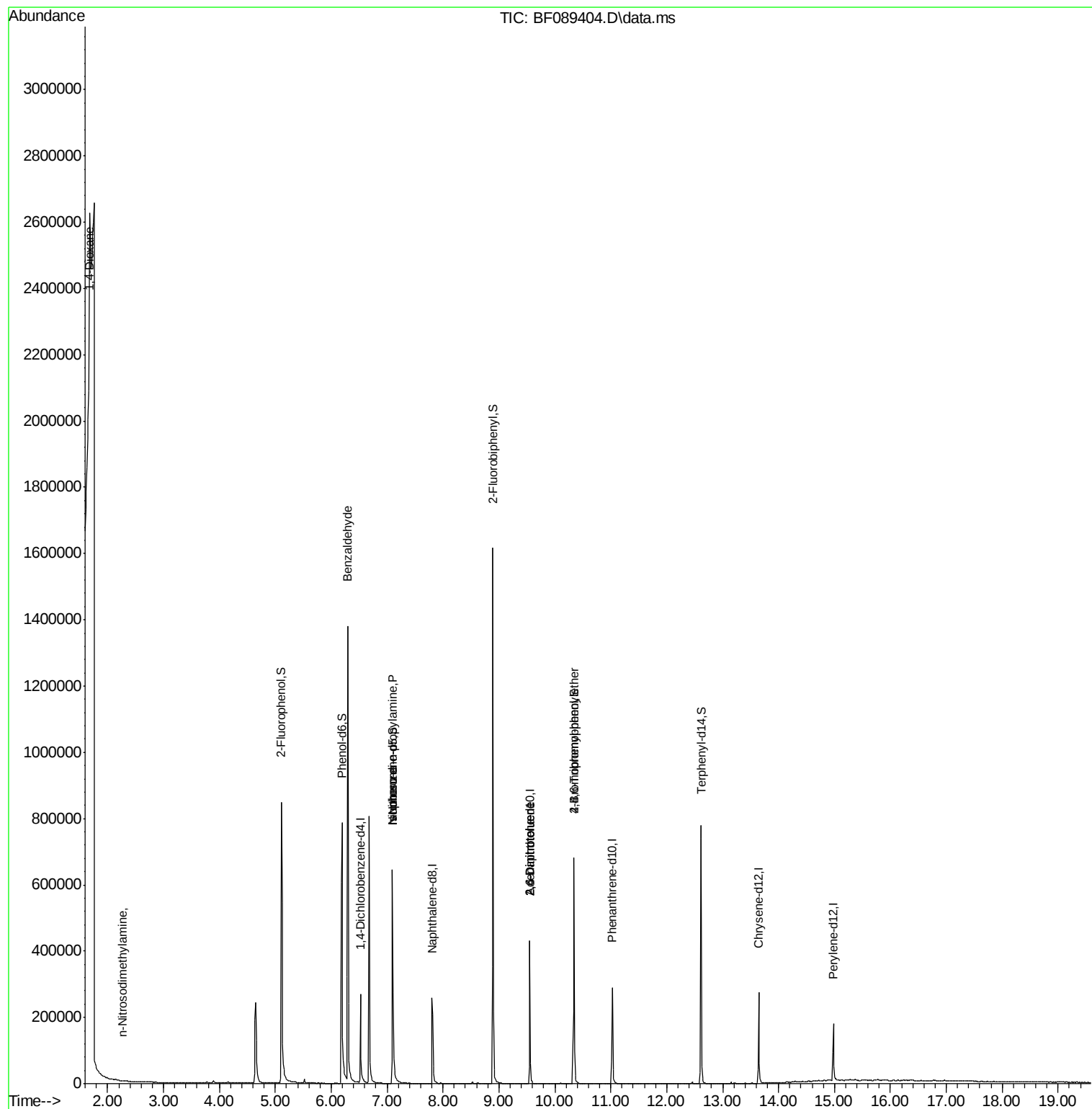
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.524	152	50769	20.00	ng	-0.02
21) Naphthalene-d8	7.804	136	190349	20.00	ng	-0.02
38) Acenaphthene-d10	9.553	164	83328	20.00	ng	-0.02
63) Phenanthrene-d10	11.028	188	128914	20.00	ng	-0.02
75) Chrysene-d12	13.645	240	103828	20.00	ng	-0.02
86) Perylene-d12	14.982	264	82979	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.107	112	356943	112.26	ng	0.00
7) Phenol-d6	6.193	99	466583	111.04	ng	-0.01
23) Nitrobenzene-d5	7.096	82	303015	93.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.342	330	77996	113.02	ng	-0.02
44) 2-Fluorobiphenyl	8.890	172	535420	94.30	ng	-0.02
78) Terphenyl-d14	12.616	244	376536	84.88	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	1.678	88	37639	24.79	ng	# 26
4) n-Nitrosodimethylamine	2.272	42	482	8.05	ng	# 1
9) Benzaldehyde	6.296	77	9737	4.75	ng	# 81
19) n-Nitroso-di-n-propyla...	7.096	70	39963	15.77	ng	# 81
25) Isophorone	7.096	82	284696	43.83	ng	# 67
50) 2,6-Dinitrotoluene	9.553	165	10649	8.17	ng	# 24
56) 2,4-Dinitrotoluene	9.553	165	10649	6.21	ng	# 7
66) 4-Bromophenyl-phenylether	10.342	248	6158	5.00	ng	# 1

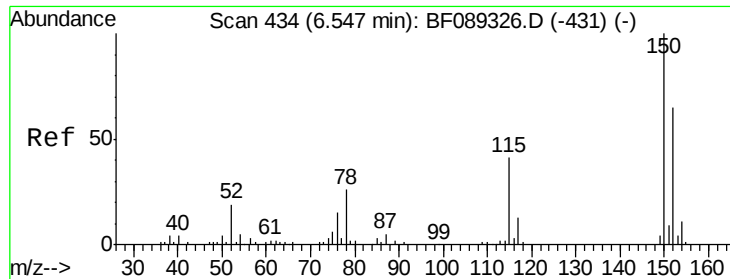
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF089404.D

Acq: 29 Jul 2016 11:17

Instrument :

BNA_F

ClientSampleId :

I-6

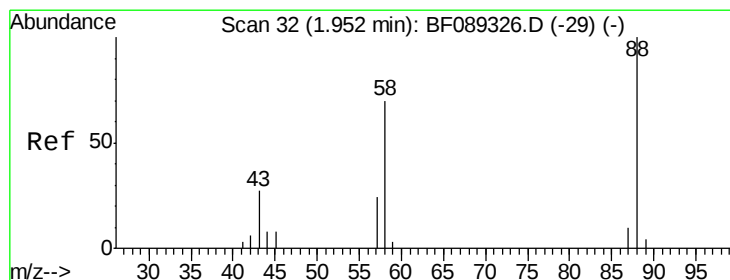
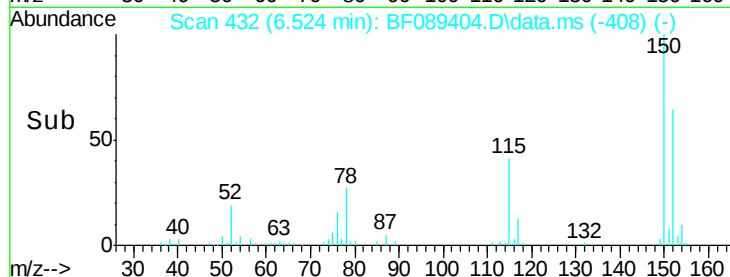
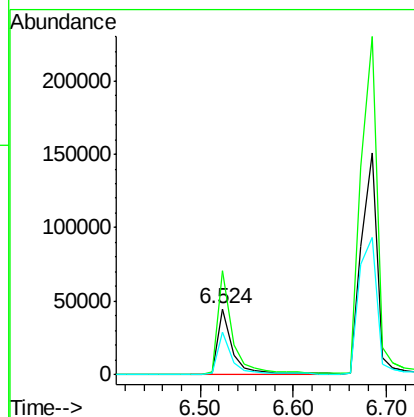
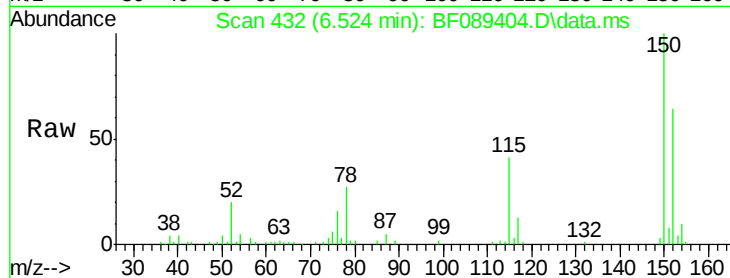
Tot Ion:152 Resp: 50769

Ion Ratio Lower Upper

152 100

150 156.4 129.5 194.3

115 64.9 51.4 77.2



#2

1,4-Dioxane

Concen: 24.79 ng

RT: 1.678 min Scan# 8

Delta R.T. -0.274 min

Lab File: BF089404.D

Acq: 29 Jul 2016 11:17

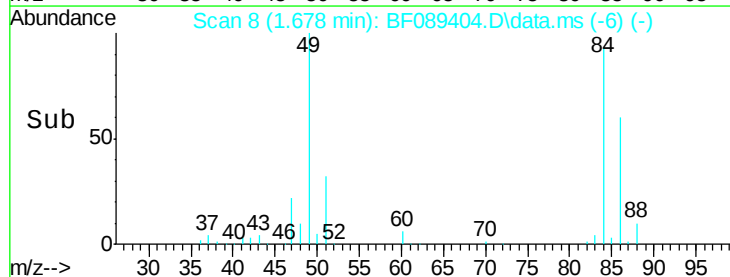
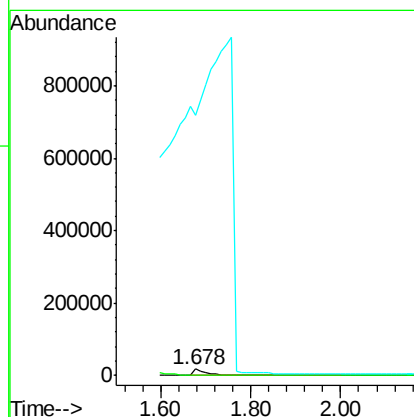
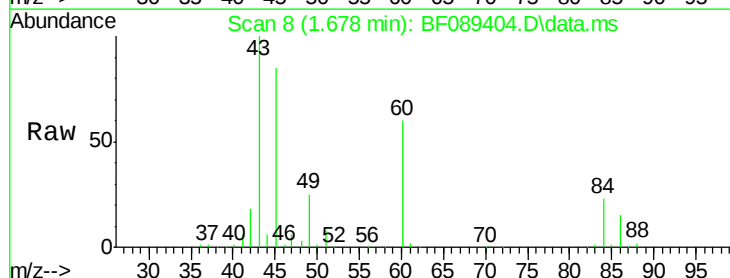
Tgt Ion: 88 Resp: 37639

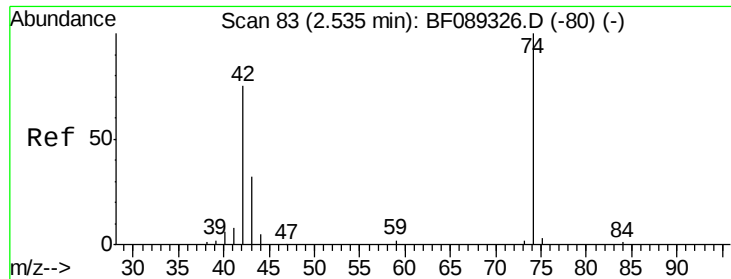
Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

43 0.0 20.6 31.0#





#4

n-Nitrosodimethylamine

Concen: 8.05 ng

RT: 2.272 min Scan# 60

Delta R.T. -0.263 min

Lab File: BF089404.D

Acq: 29 Jul 2016 11:17

Instrument :

BNA_F

ClientSampleId :

I-6

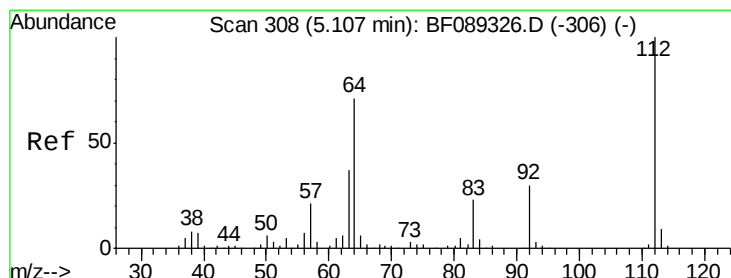
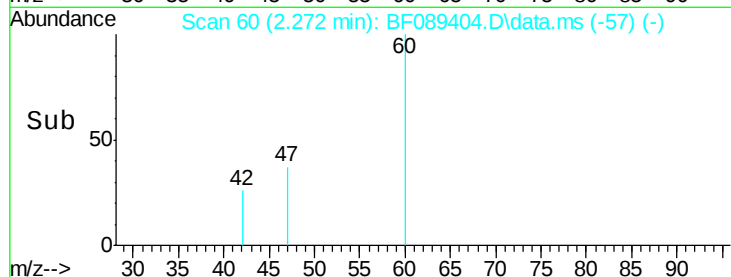
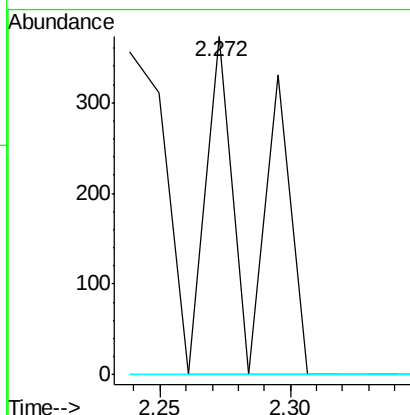
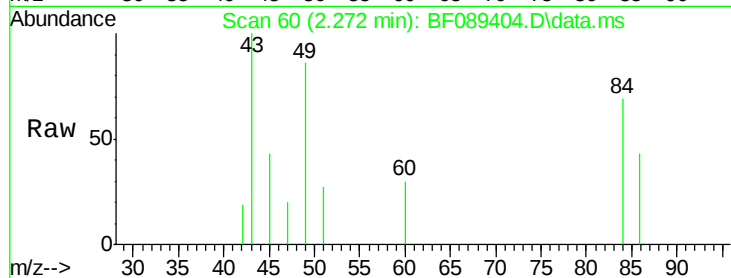
Tot Ion: 42 Resp: 482

Ion Ratio Lower Upper

42 100

74 0.0 110.8 166.2#

44 0.0 5.2 7.8#



#5

2-Fluorophenol

Concen: 112.26 ng

RT: 5.107 min Scan# 308

Delta R.T. 0.000 min

Lab File: BF089404.D

Acq: 29 Jul 2016 11:17

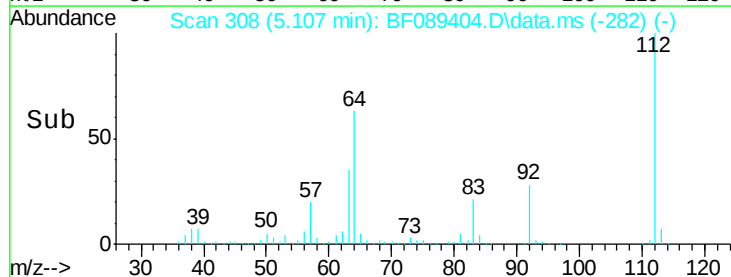
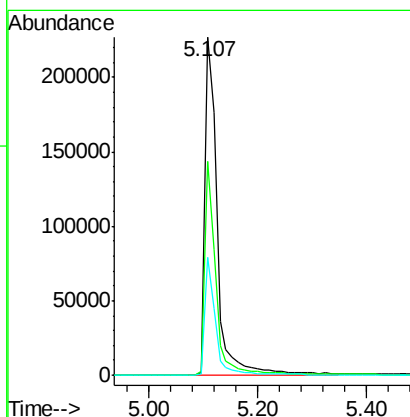
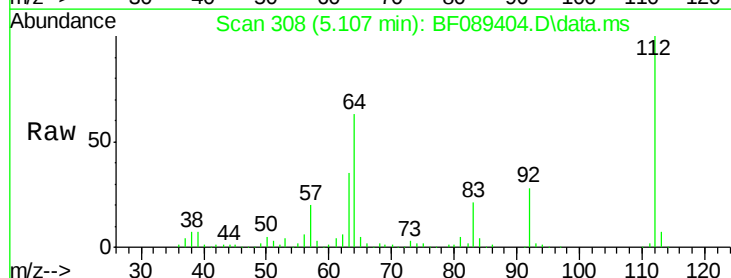
Tgt Ion: 112 Resp: 356943

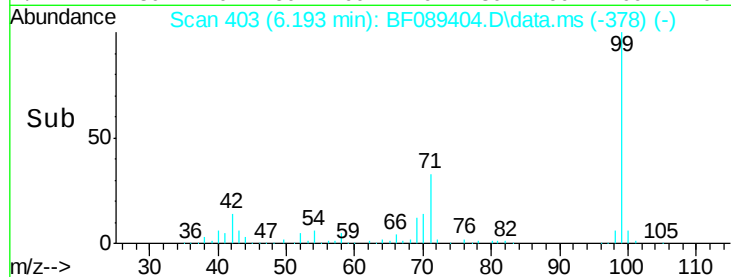
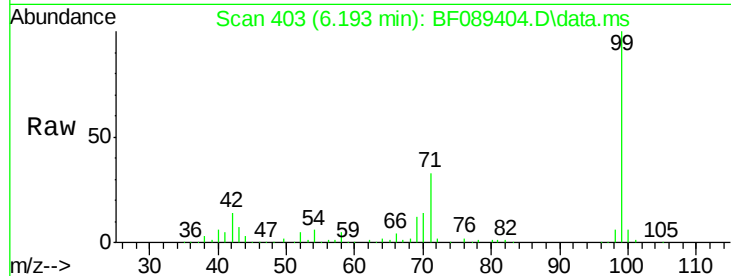
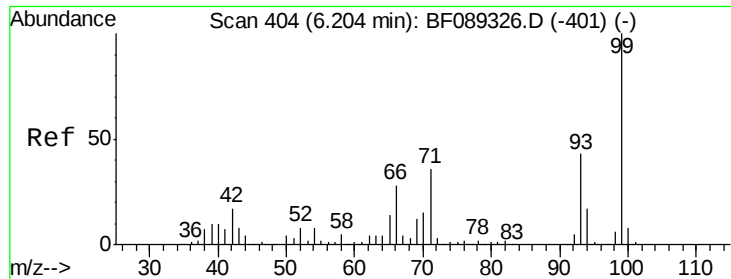
Ion Ratio Lower Upper

112 100

64 63.2 55.0 82.6

63 34.8 29.4 44.2





#7

Phenol-d6

Concen: 111.04 ng

RT: 6.193 min Scan# 40

Delta R.T. -0.011 min

Lab File: BF089404.D

Acq: 29 Jul 2016 11:17

Instrument :

BNA_F

ClientSampleId :

I-6

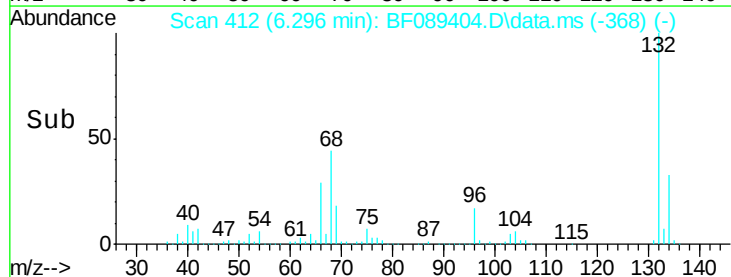
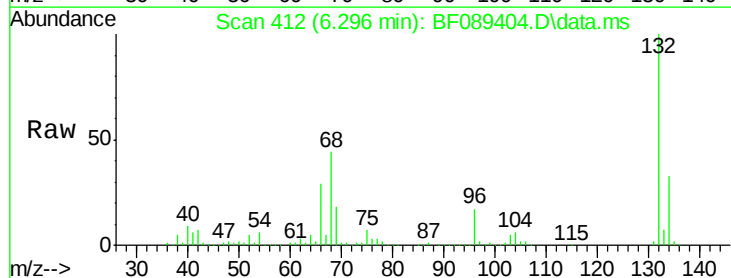
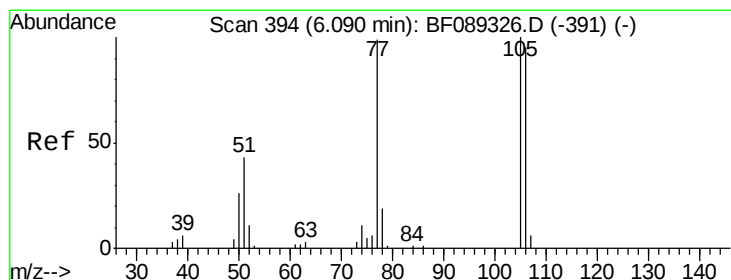
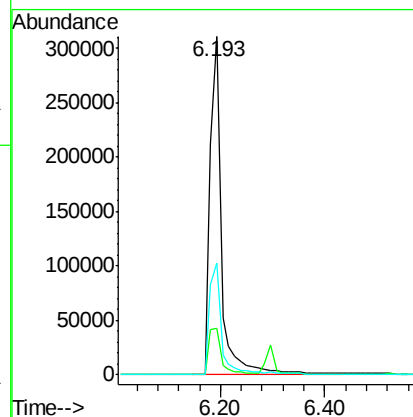
Tot Ion: 99 Resp: 466583

Ion Ratio Lower Upper

99 100

42 13.8 13.6 20.4

71 32.8 29.4 44.2



#9

Benzaldehyde

Concen: 4.75 ng

RT: 6.296 min Scan# 412

Delta R.T. 0.206 min

Lab File: BF089404.D

Acq: 29 Jul 2016 11:17

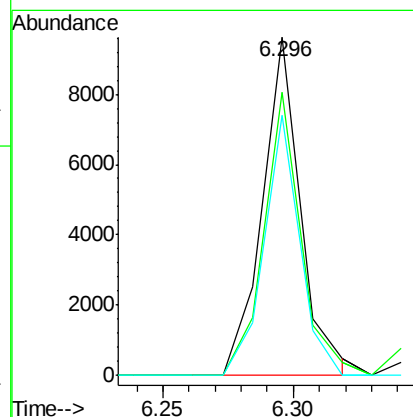
Tgt Ion: 77 Resp: 9737

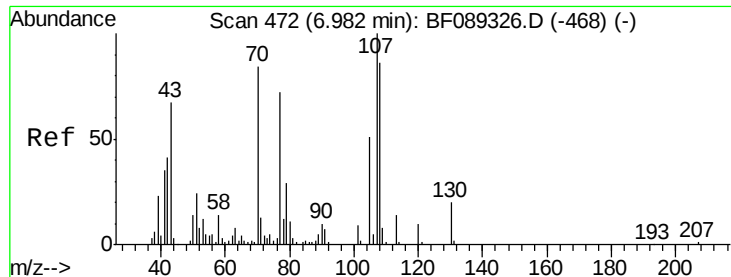
Ion Ratio Lower Upper

77 100

105 83.7 82.9 122.9

106 76.9 75.9 115.9

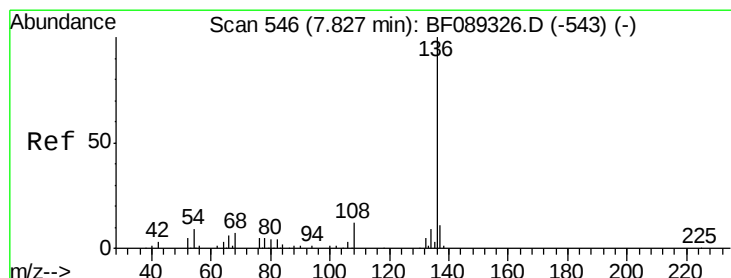
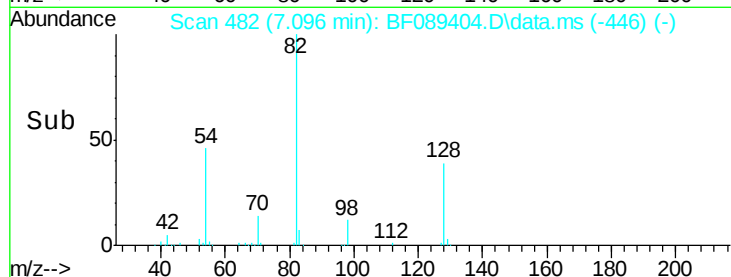
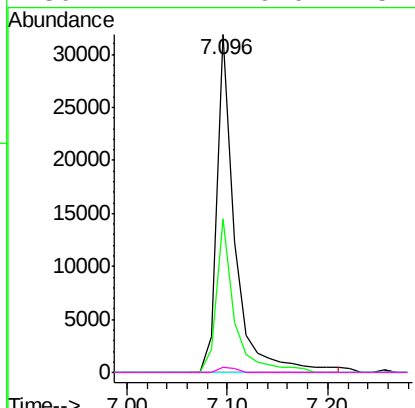
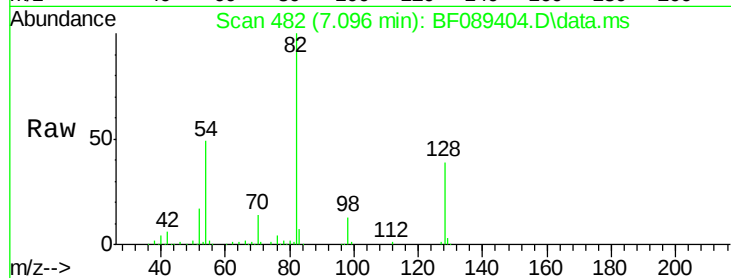




#19
n-Nitroso-di-n-propylamine
Concen: 15.77 ng
RT: 7.096 min Scan# 48
Delta R.T. 0.114 min
Lab File: BF089404.D
Acq: 29 Jul 2016 11:17

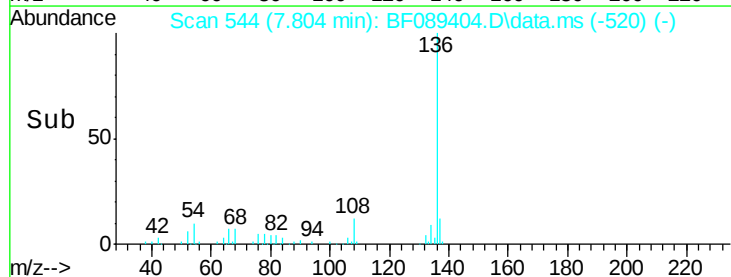
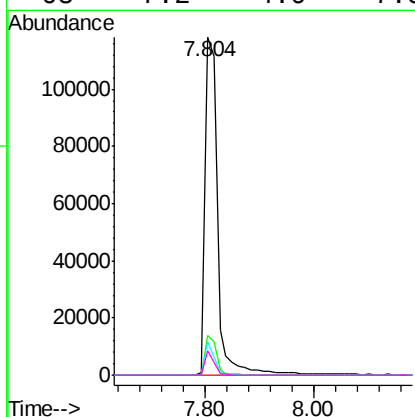
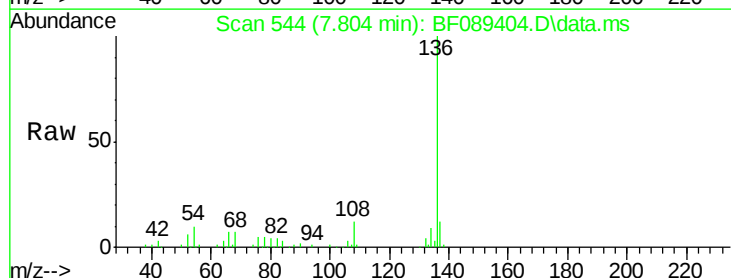
Instrument :
BNA_F
ClientSampleId :
I-6

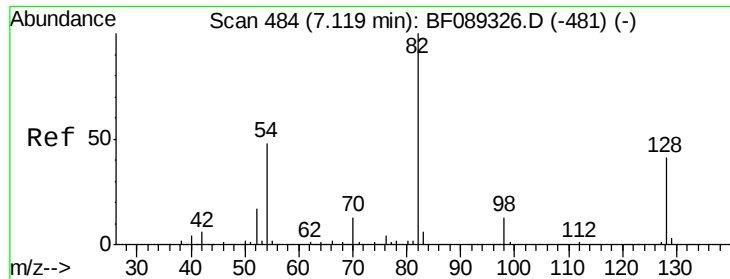
Tot Ion: 70 Resp: 39963
Ion Ratio Lower Upper
70 100
42 45.3 38.6 57.8
101 0.0 8.3 12.5#
130 1.7 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.804 min Scan# 544
Delta R.T. -0.023 min
Lab File: BF089404.D
Acq: 29 Jul 2016 11:17

Tgt Ion: 136 Resp: 190349
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 9.7 7.0 10.4
68 7.2 4.9 7.3

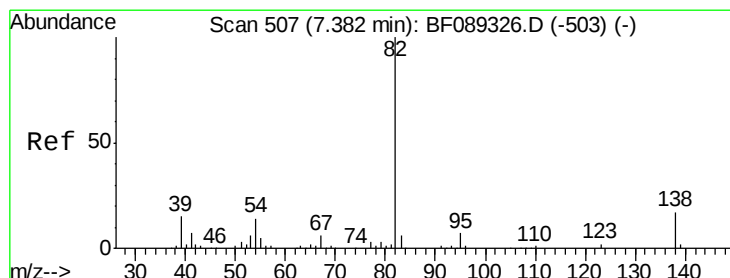
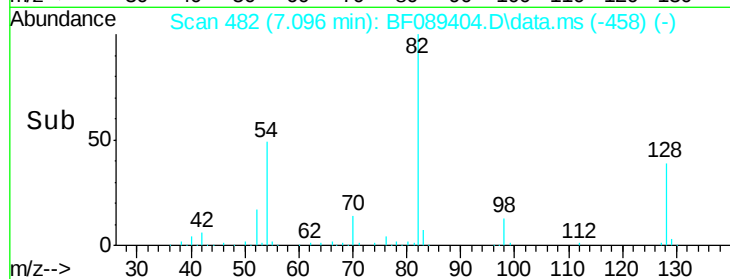
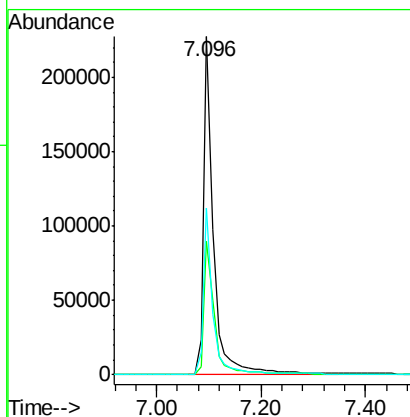
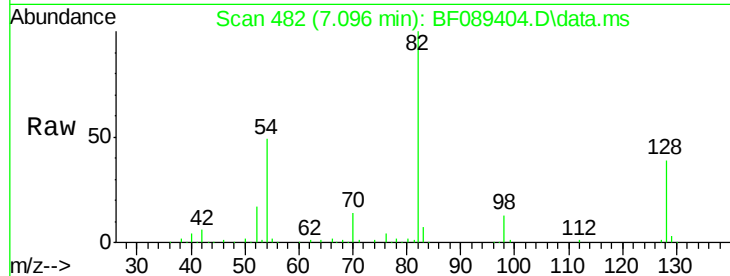




#23
 Nitrobenzene-d5
 Concen: 93.96 ng
 RT: 7.096 min Scan# 481
 Delta R.T. -0.023 min
 Lab File: BF089404.D
 Acq: 29 Jul 2016 11:17

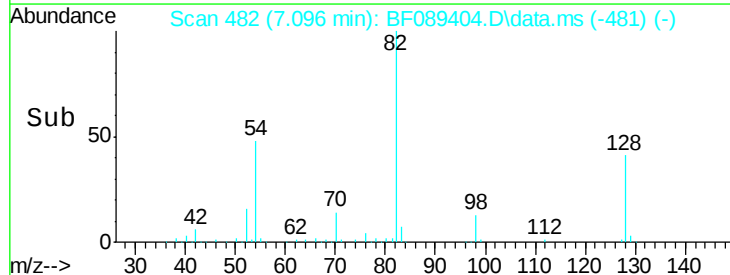
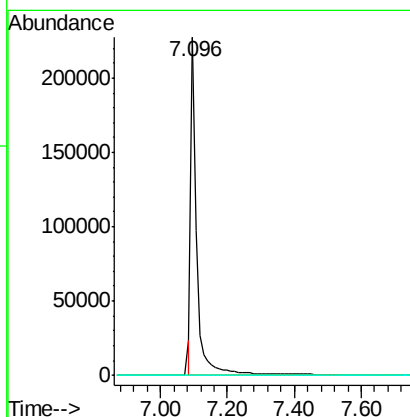
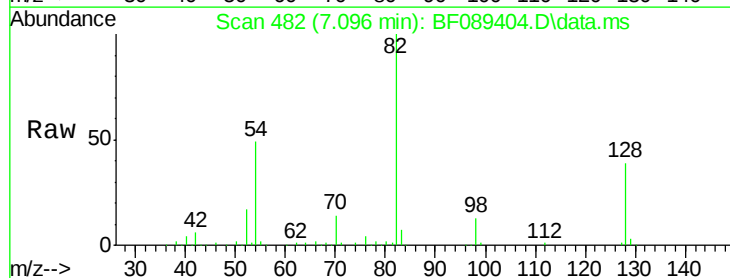
Instrument :
 BNA_F
 ClientSampleId :
 I-6

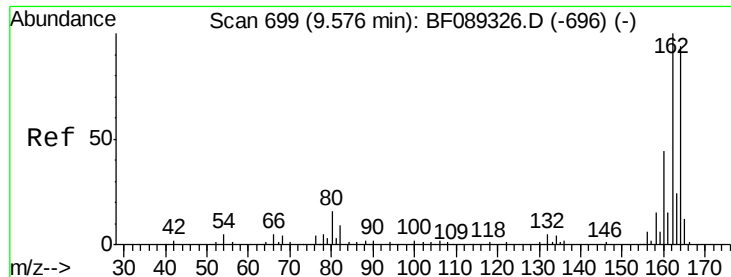
Tot Ion	82	Resp	303015
Ion Ratio	100	Lower	Upper
128	39.3	32.5	48.7
54	49.3	38.8	58.2



#25
 Isophorone
 Concen: 43.83 ng
 RT: 7.096 min Scan# 482
 Delta R.T. -0.286 min
 Lab File: BF089404.D
 Acq: 29 Jul 2016 11:17

Tgt Ion	82	Resp	284696
Ion Ratio	100	Lower	Upper
95	0.0	6.0	9.0#
138	0.0	13.3	19.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.553 min Scan# 69

Delta R.T. -0.023 min

Lab File: BF089404.D

Acq: 29 Jul 2016 11:17

Instrument :

BNA_F

ClientSampleId :

I-6

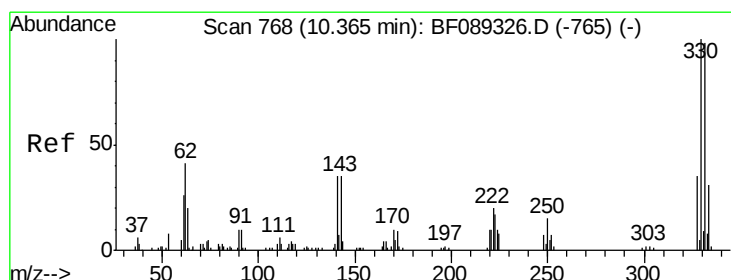
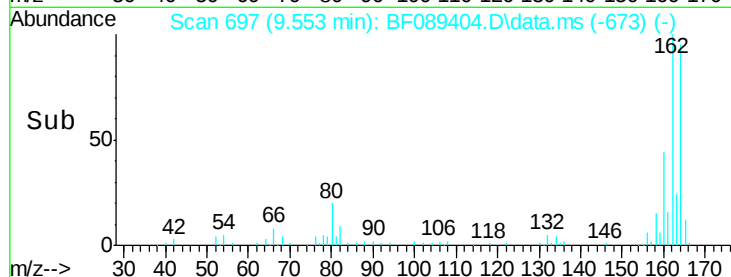
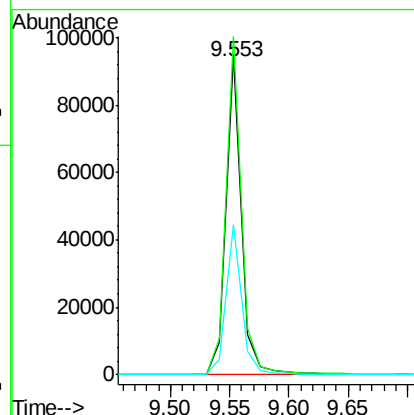
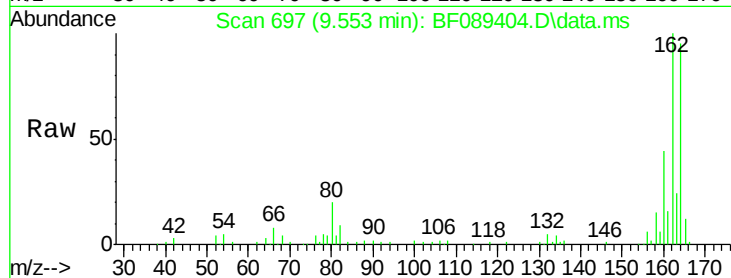
Tot Ion:164 Resp: 83328

Ion Ratio Lower Upper

164 100

162 105.8 83.7 125.5

160 46.8 37.8 56.6



#41

2,4,6-Tribromophenol

Concen: 113.02 ng

RT: 10.342 min Scan# 766

Delta R.T. -0.023 min

Lab File: BF089404.D

Acq: 29 Jul 2016 11:17

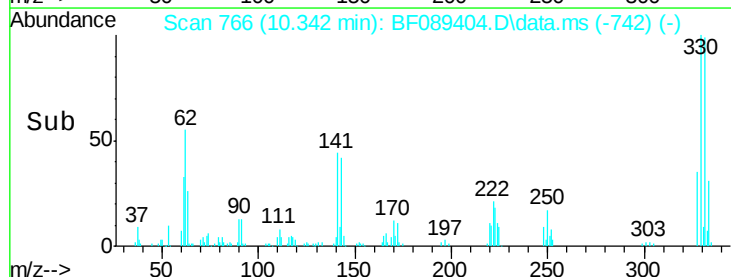
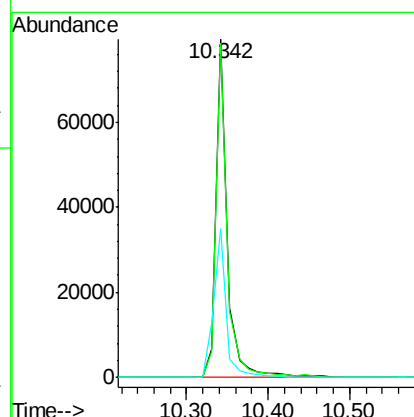
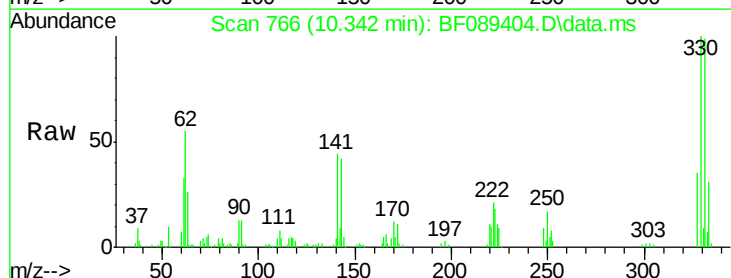
Tgt Ion:330 Resp: 77996

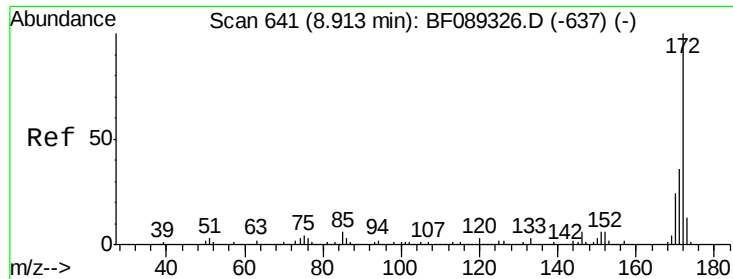
Ion Ratio Lower Upper

330 100

332 97.8 76.8 115.2

141 49.1 37.3 55.9

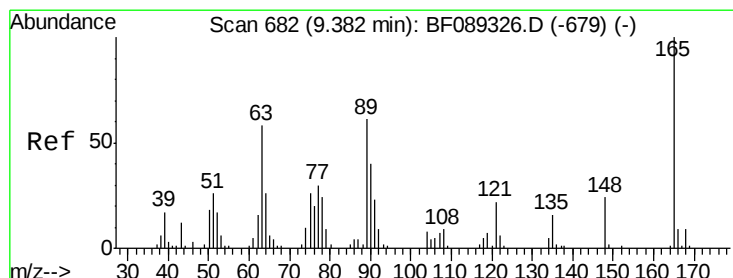
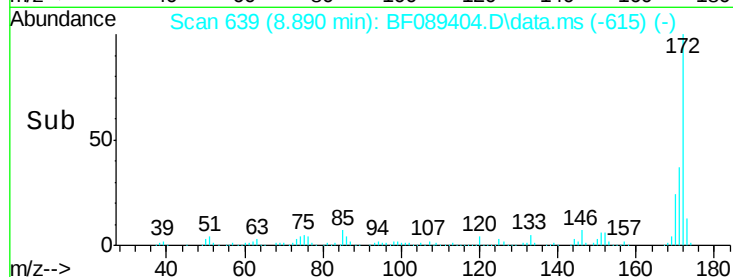
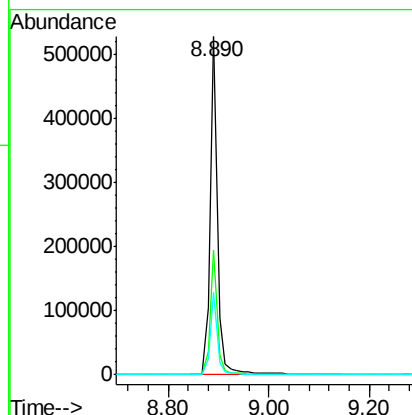
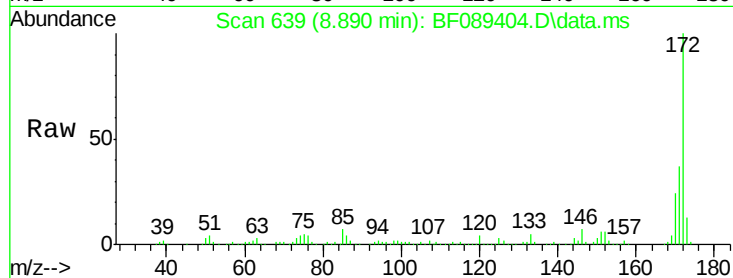




#44
2-Fluorobiphenyl
Concen: 94.30 ng
RT: 8.890 min Scan# 63
Delta R.T. -0.023 min
Lab File: BF089404.D
Acq: 29 Jul 2016 11:17

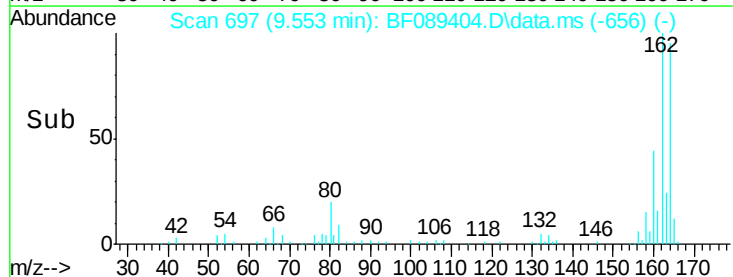
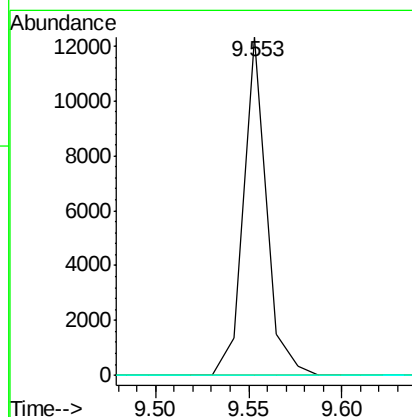
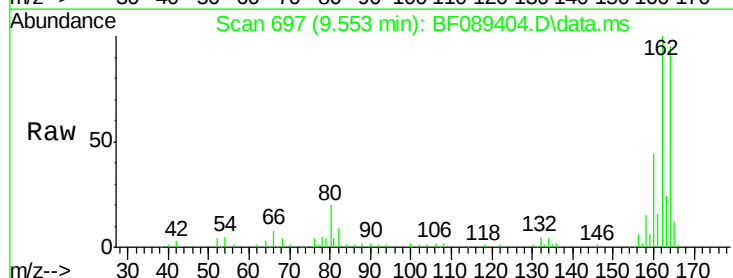
Instrument :
BNA_F
ClientSampleId :
I-6

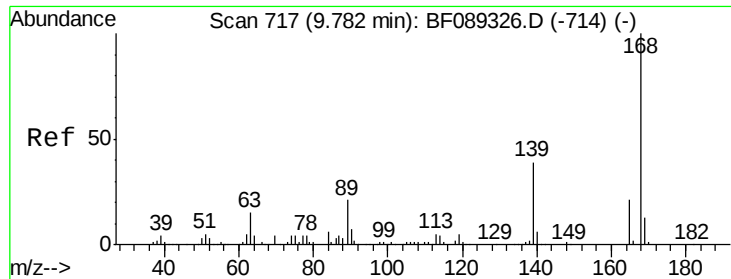
Tot Ion:172 Resp: 535420
Ion Ratio Lower Upper
172 100
171 36.7 29.2 43.8
170 24.2 19.2 28.8



#50
2,6-Dinitrotoluene
Concen: 8.17 ng
RT: 9.553 min Scan# 697
Delta R.T. 0.171 min
Lab File: BF089404.D
Acq: 29 Jul 2016 11:17

Tgt Ion:165 Resp: 10649
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 45.0 67.4#

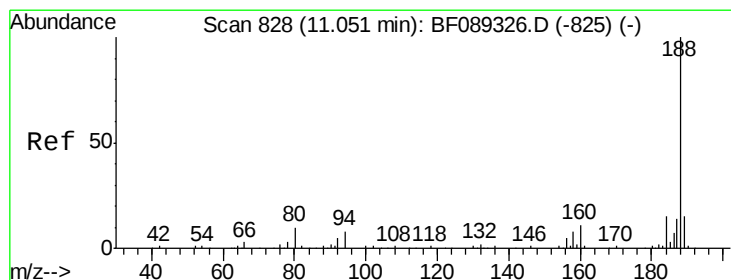
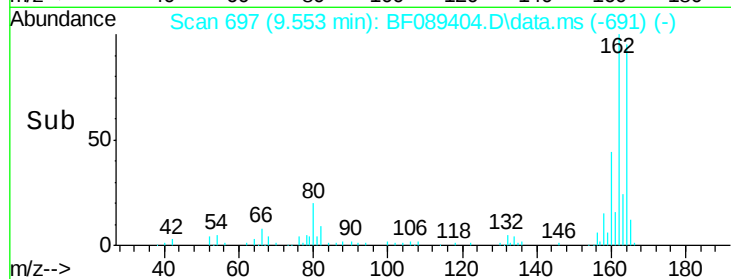
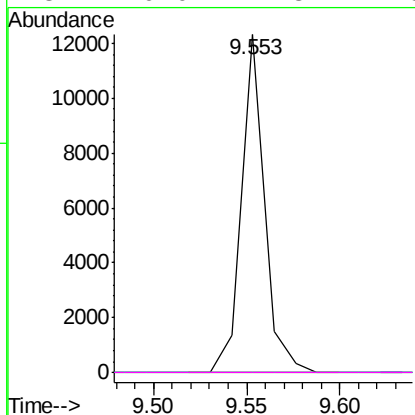
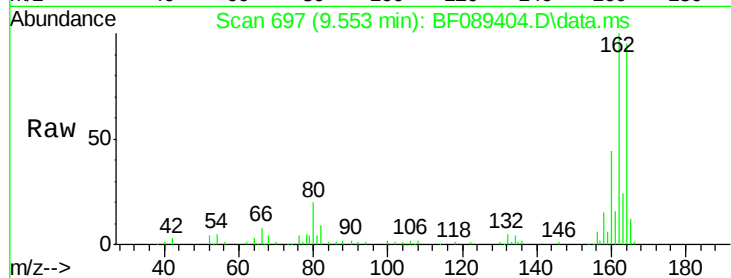




#56
 2,4-Dinitrotoluene
 Concen: 6.21 ng
 RT: 9.553 min Scan# 69
 Delta R.T. -0.229 min
 Lab File: BF089404.D
 Acq: 29 Jul 2016 11:17

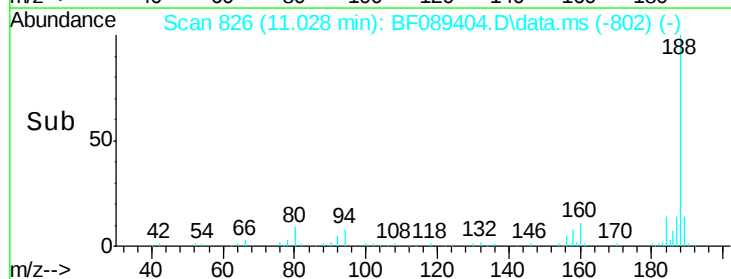
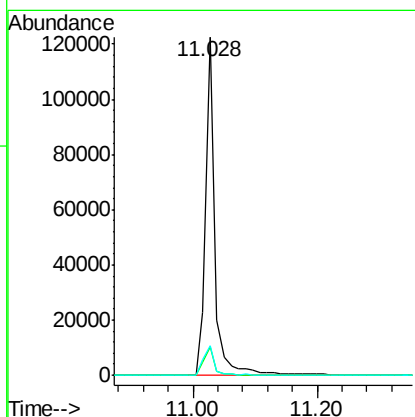
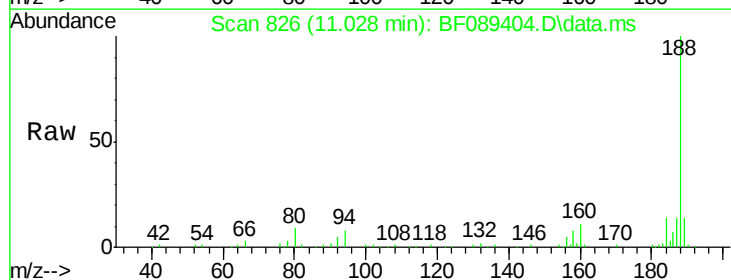
Instrument :
 BNA_F
 ClientSampleId :
 I-6

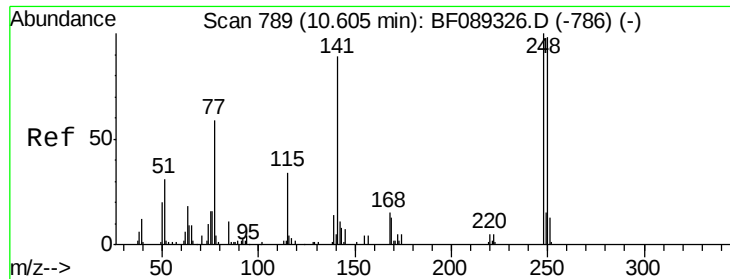
Tot Ion:165 Resp: 10649
 Ion Ratio Lower Upper
 165 100
 63 0.0 58.2 87.2#
 89 0.0 79.1 118.7#
 182 0.0 1.8 2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.028 min Scan# 826
 Delta R.T. -0.023 min
 Lab File: BF089404.D
 Acq: 29 Jul 2016 11:17

Tgt Ion:188 Resp: 128914
 Ion Ratio Lower Upper
 188 100
 94 8.3 6.5 9.7
 80 8.9 7.2 10.8

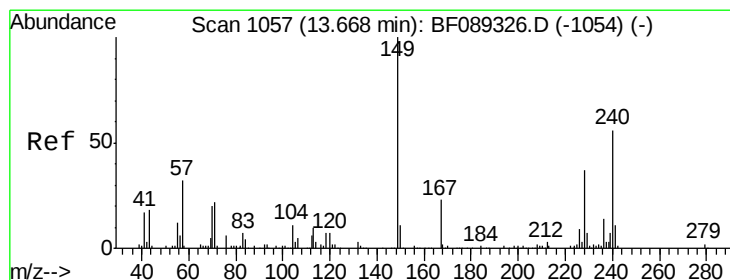
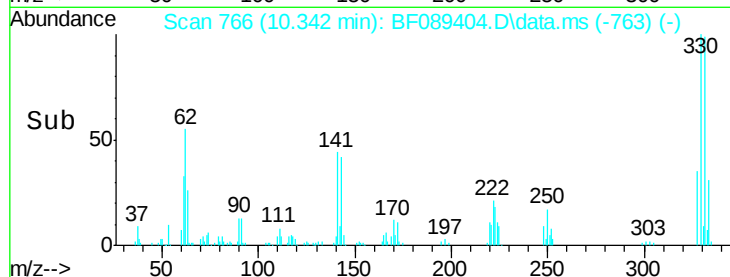
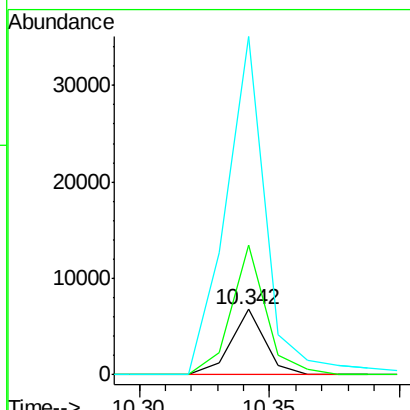
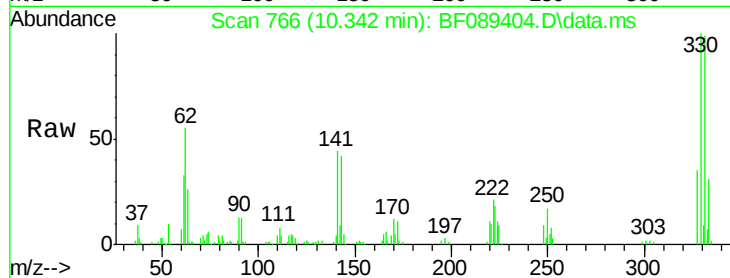




#66
4-Bromophenyl-phenylether
Concen: 5.00 ng
RT: 10.342 min Scan# 76
Delta R.T. -0.263 min
Lab File: BF089404.D
Acq: 29 Jul 2016 11:17

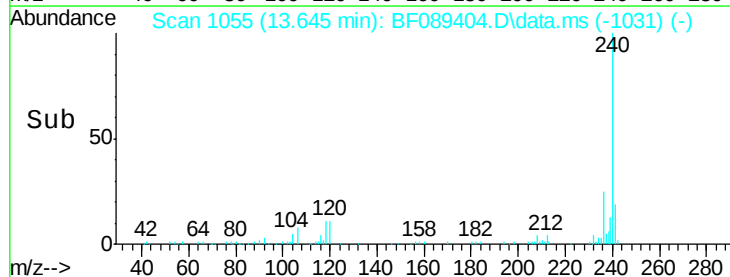
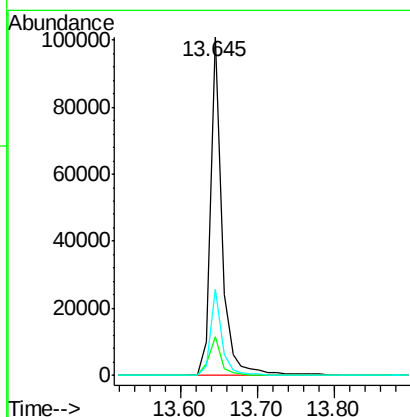
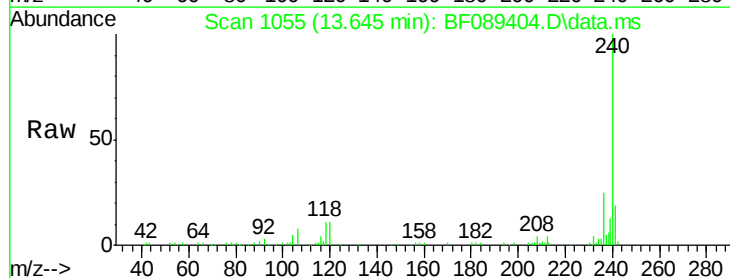
Instrument :
BNA_F
ClientSampleId :
I-6

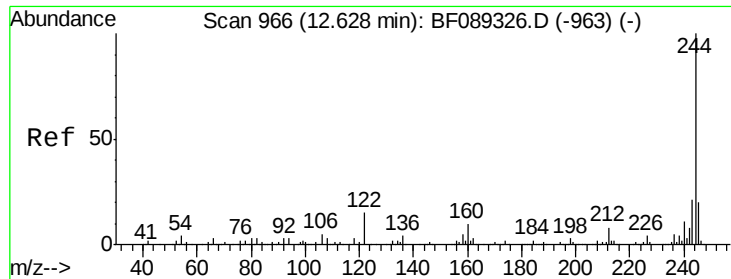
Tot Ion:248 Resp: 6158
Ion Ratio Lower Upper
248 100
250 198.0 78.2 117.2#
141 518.5 62.0 93.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.645 min Scan# 1055
Delta R.T. -0.023 min
Lab File: BF089404.D
Acq: 29 Jul 2016 11:17

Tgt Ion:240 Resp: 103828
Ion Ratio Lower Upper
240 100
120 11.4 9.1 13.7
236 25.3 20.6 30.8

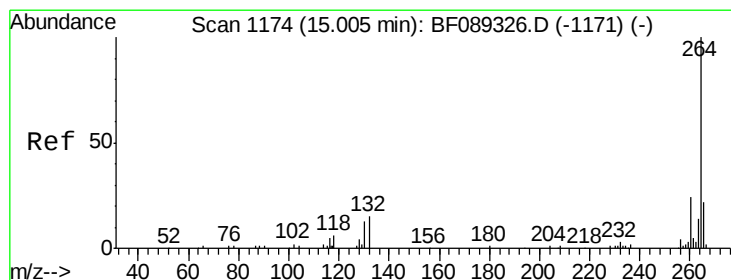
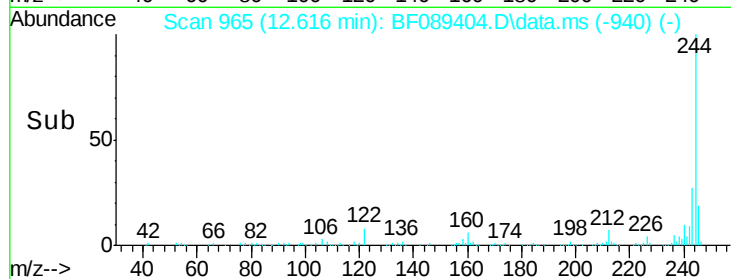
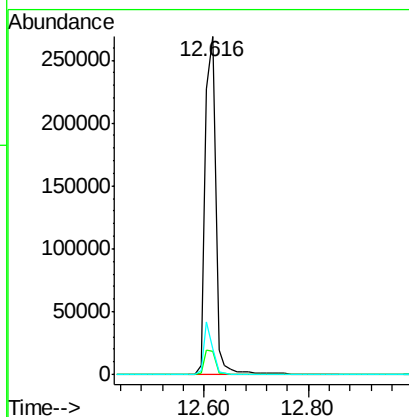
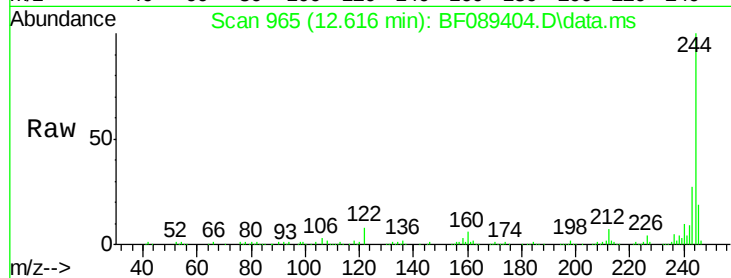




#78
 Terphenyl-d14
 Concen: 84.88 ng
 RT: 12.616 min Scan# 96
 Delta R.T. -0.011 min
 Lab File: BF089404.D
 Acq: 29 Jul 2016 11:17

Instrument :
 BNA_F
 ClientSampleId :
 I-6

Tot Ion:244 Resp: 376536
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 7.7 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: BF089404.D
 Acq: 29 Jul 2016 11:17

Tgt Ion:264 Resp: 82979
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.4
 265 21.5 17.5 26.3

