

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072916\
 Data File : BF089409.D
 Acq On : 29 Jul 2016 13:46
 Operator : UM/SJ
 Sample : H4246-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 29 15:39:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

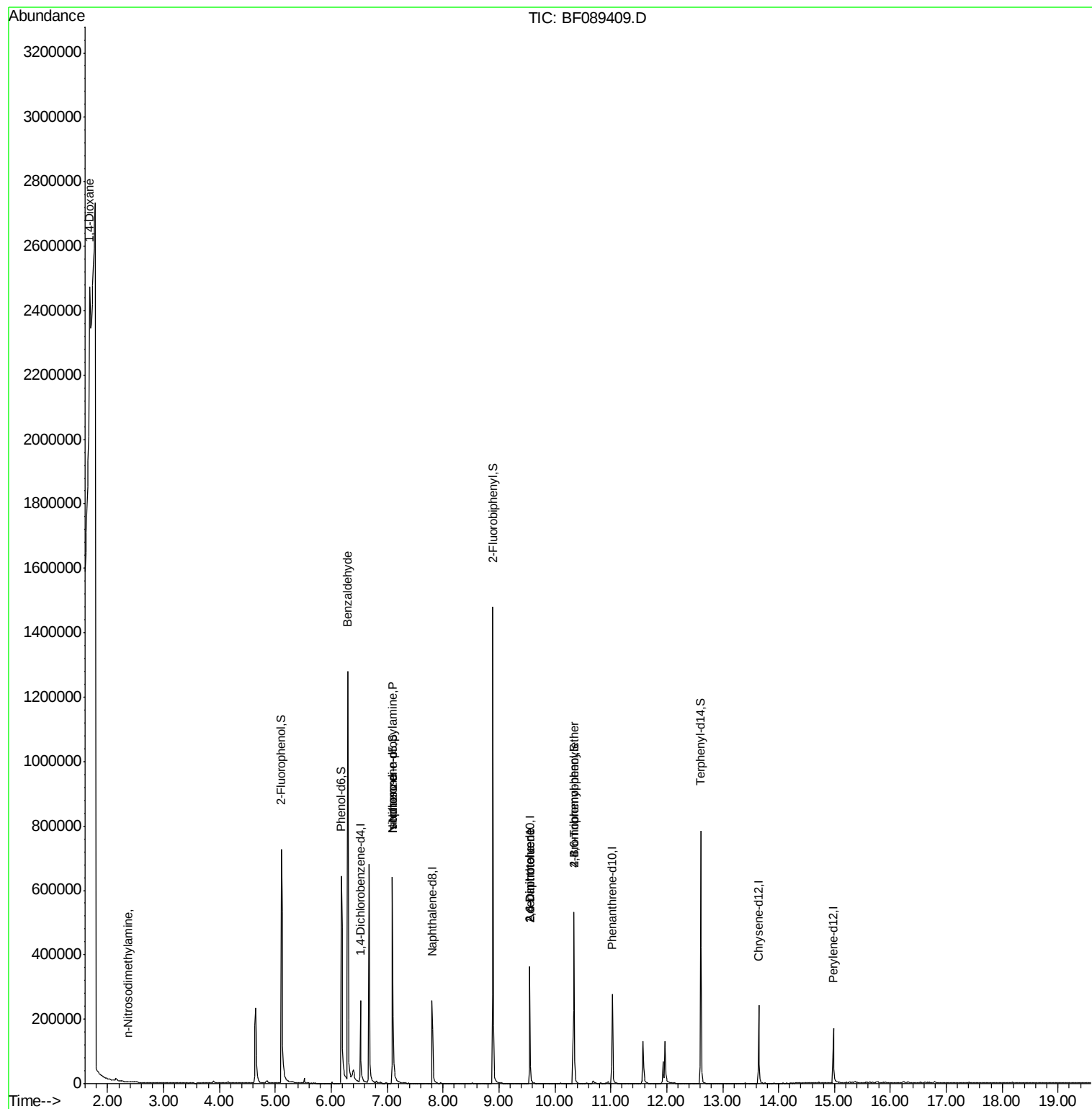
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	46690	20.00	ng	-0.02
21) Naphthalene-d8	7.80	136	176157	20.00	ng	-0.02
38) Acenaphthene-d10	9.55	164	72278	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	117861	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	94876	20.00	ng	-0.02
86) Perylene-d12	14.98	264	79670	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	325484	111.31	ng	0.00
7) Phenol-d6	6.18	99	378733	98.01	ng	-0.02
23) Nitrobenzene-d5	7.10	82	274712	92.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	65786	109.90	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	476203	96.69	ng	-0.02
78) Terphenyl-d14	12.60	244	298022	73.52	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	1.68	88	20809	13.37	ng	# 26
4) n-Nitrosodimethylamine	2.36	42	1315	8.67	ng	# 1
9) Benzaldehyde	6.30	77	9014	4.78	ng	# 78
19) n-Nitroso-di-n-propylamine	7.10	70	37022	15.89	ng	# 81
25) Isophorone	7.10	82	267158	44.44	ng	# 67
50) 2,6-Dinitrotoluene	9.55	165	8882	7.86	ng	# 24
56) 2,4-Dinitrotoluene	9.55	165	8882	5.97	ng	# 7
66) 4-Bromophenyl-phenylether	10.34	248	5082	4.52	ng	# 1

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

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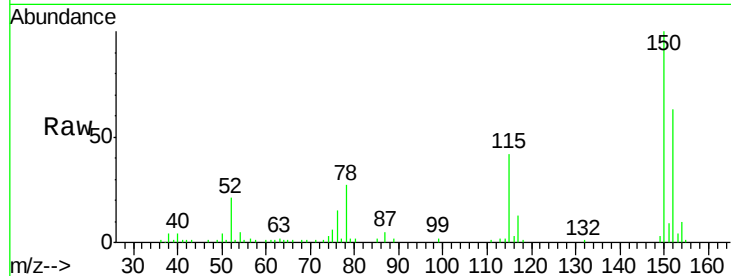


#1

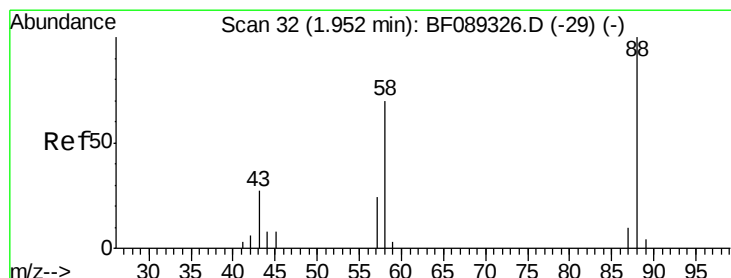
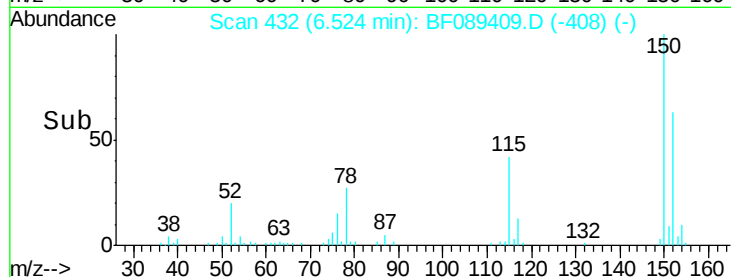
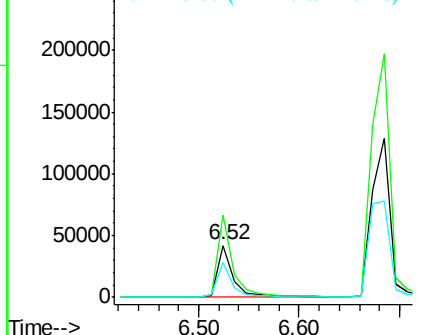
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 432
Delta R.T. -0.02 min
Lab File: BF089409.D
Acq: 29 Jul 2016 13:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 46690
Ion Ratio Lower Upper
152 100
150 158.9 129.5 194.3
115 66.7 51.4 77.2



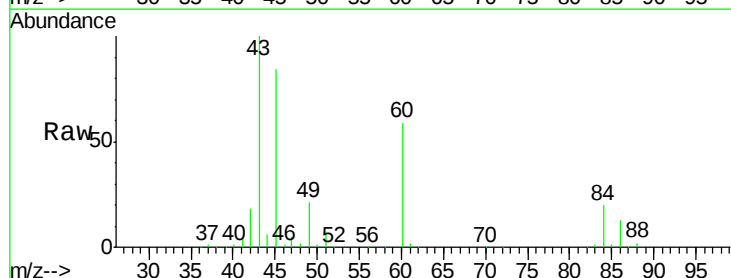
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



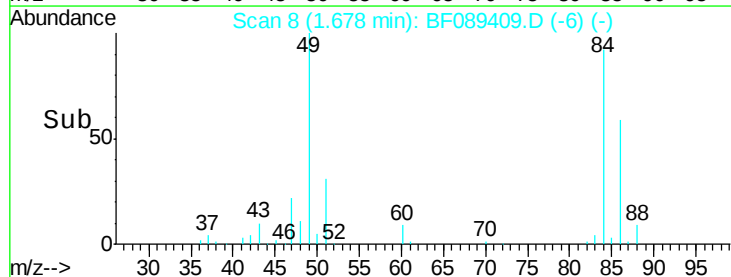
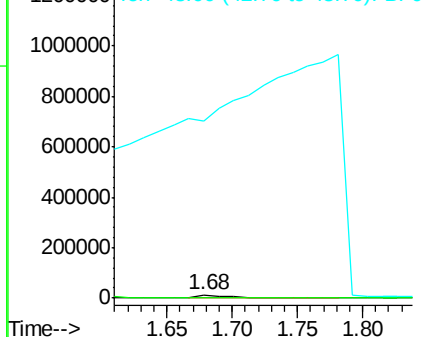
#2

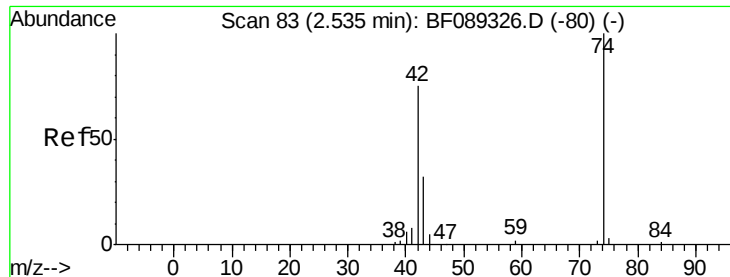
1,4-Dioxane
Concen: 13.37 ng
RT: 1.68 min Scan# 8
Delta R.T. -0.27 min
Lab File: BF089409.D
Acq: 29 Jul 2016 13:46

Tgt Ion: 88 Resp: 20809
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: 8.67 ng

RT: 2.36 min Scan# 68

Delta R.T. -0.17 min

Lab File: BF089409.D

Acq: 29 Jul 2016 13:46

Instrument :

BNA_F

ClientSampleId :

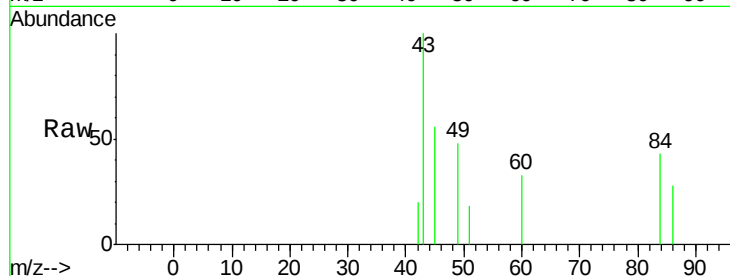
Tot Ion: 42 Resp: 1315

Ion Ratio Lower Upper

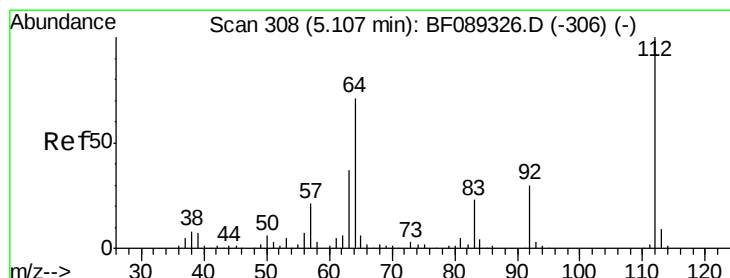
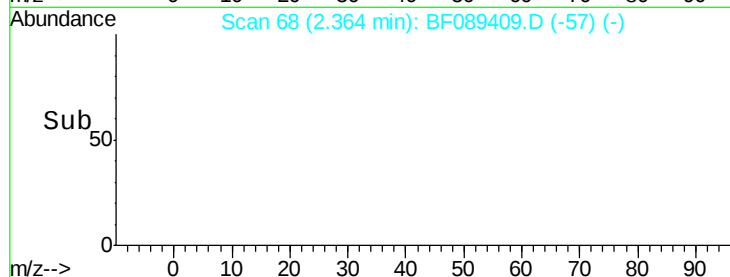
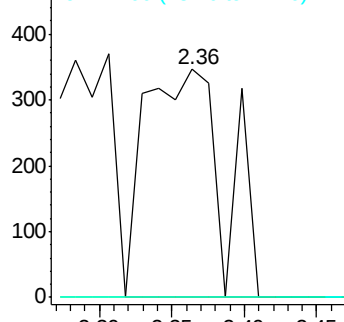
42 100

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: 111.31 ng

RT: 5.11 min Scan# 308

Delta R.T. 0.00 min

Lab File: BF089409.D

Acq: 29 Jul 2016 13:46

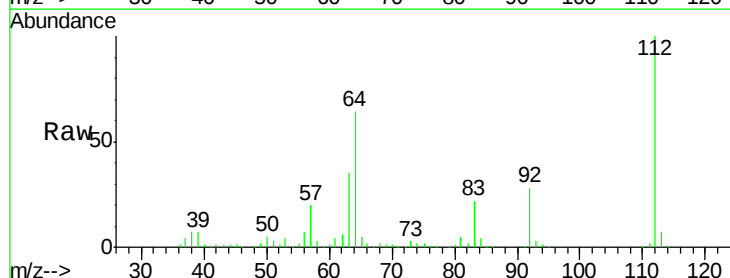
Tgt Ion: 112 Resp: 325484

Ion Ratio Lower Upper

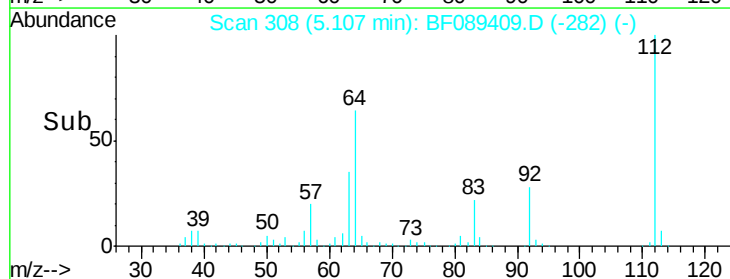
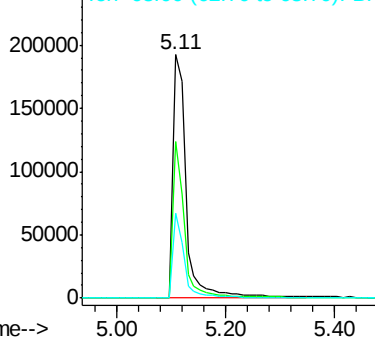
112 100

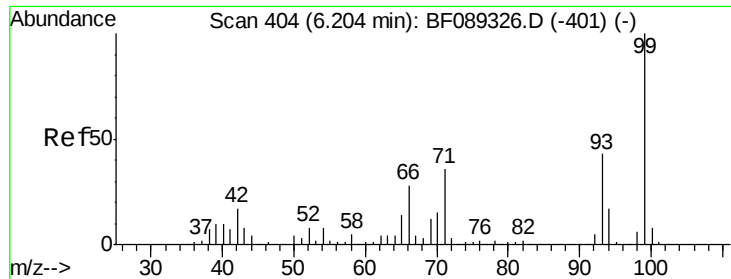
64 64.5 55.0 82.6

63 34.8 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: 98.01 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089409.D

Acq: 29 Jul 2016 13:46

Instrument :

BNA_F

ClientSampled :

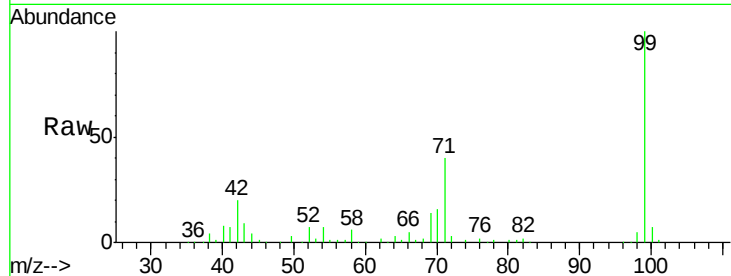
Tot Ion: 99 Resp: 378733

Ion Ratio Lower Upper

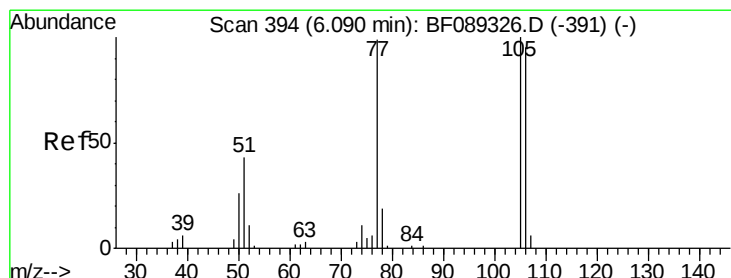
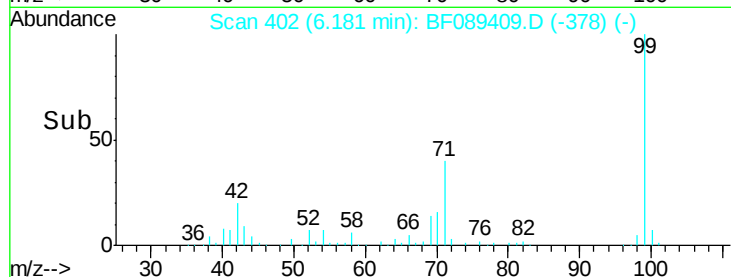
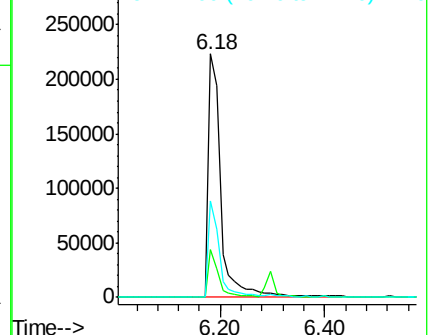
99 100

42 19.6 13.6 20.4

71 39.7 29.4 44.2



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: 4.78 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.21 min

Lab File: BF089409.D

Acq: 29 Jul 2016 13:46

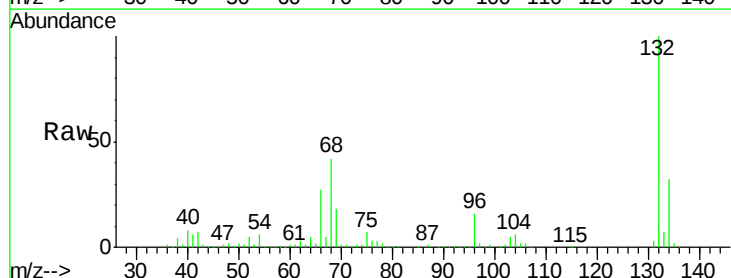
Tgt Ion: 77 Resp: 9014

Ion Ratio Lower Upper

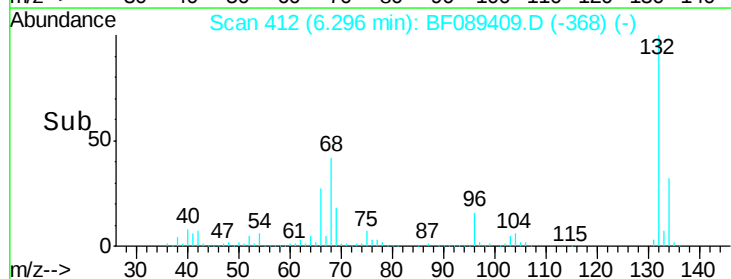
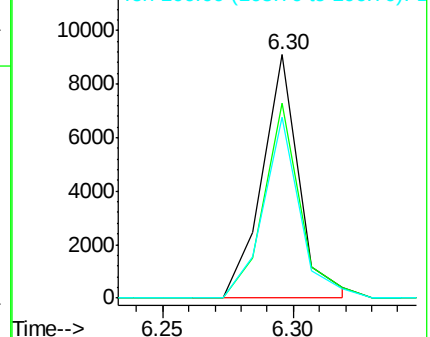
77 100

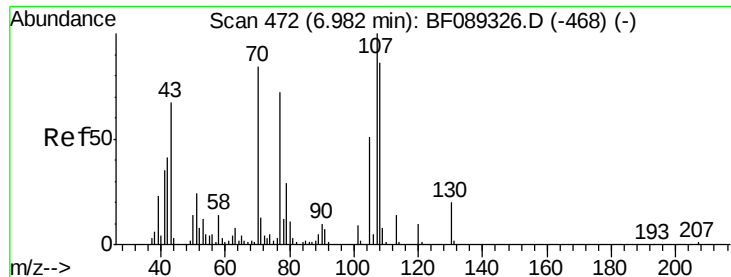
105 80.0 82.9 122.9#

106 74.1 75.9 115.9#



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

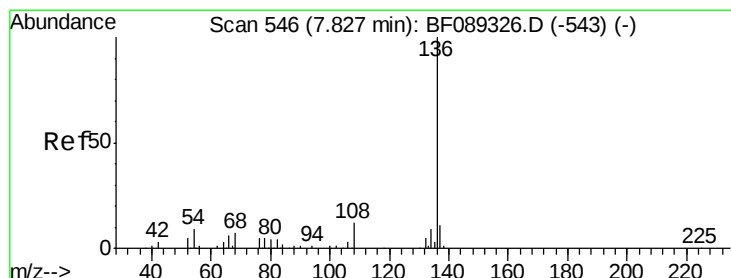
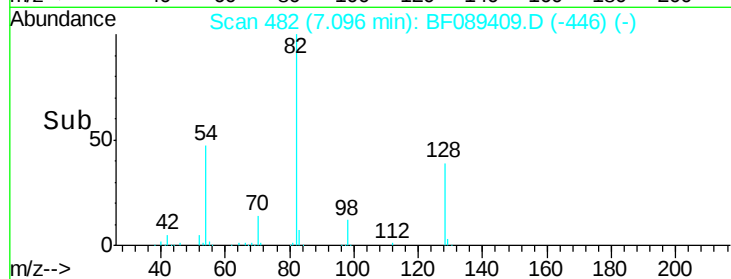
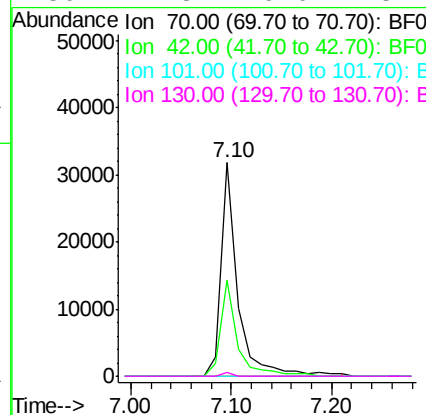
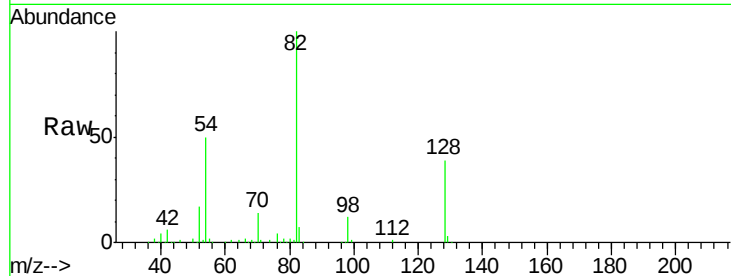




#19
n-Nitroso-di-n-propylamine
Concen: 15.89 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.11 min
Lab File: BF089409.D
Acq: 29 Jul 2016 13:46

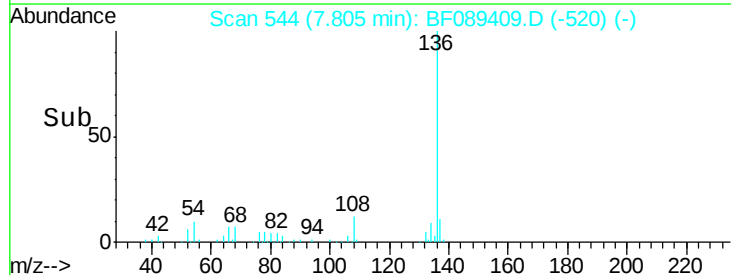
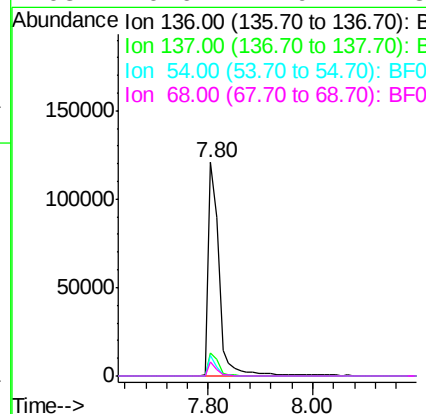
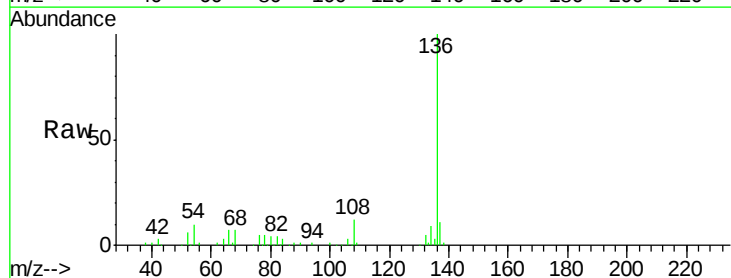
Instrument :
BNA_F
ClientSampled :

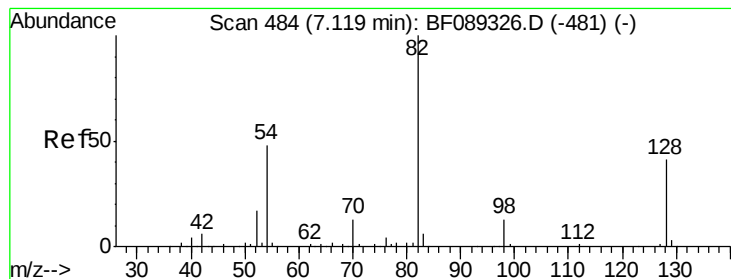
Tot Ion: 70 Resp: 37022
Ion Ratio Lower Upper
70 100
42 44.8 38.6 57.8
101 0.0 8.3 12.5#
130 1.8 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF089409.D
Acq: 29 Jul 2016 13:46

Tgt Ion: 136 Resp: 176157
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.6 7.0 10.4
68 6.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 92.05 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.02 min

Lab File: BF089409.D

Acq: 29 Jul 2016 13:46

Instrument :

BNA_F

ClientSampled :

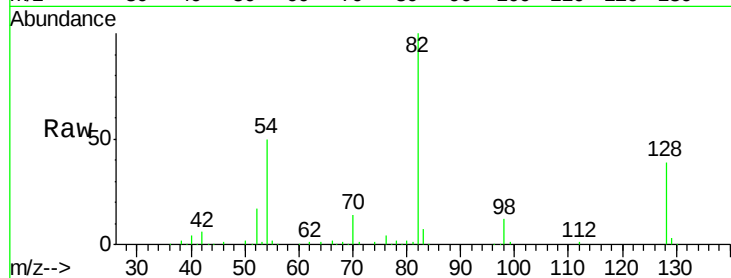
Tot Ion: 82 Resp: 274712

Ion Ratio Lower Upper

82 100

128 39.1 32.5 48.7

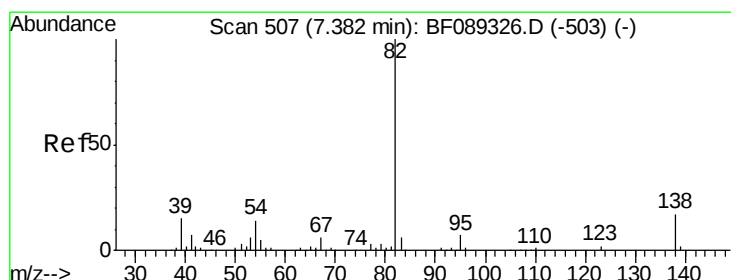
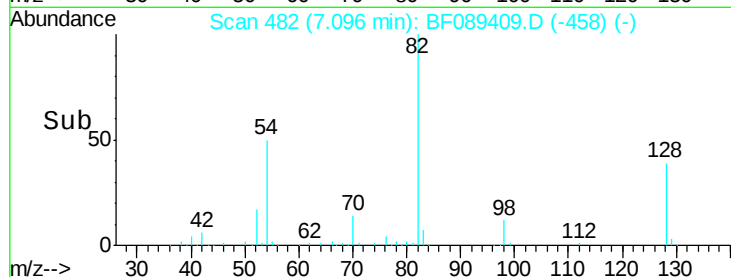
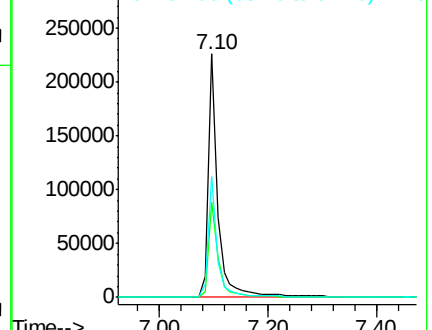
54 49.5 38.8 58.2



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: 44.44 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.29 min

Lab File: BF089409.D

Acq: 29 Jul 2016 13:46

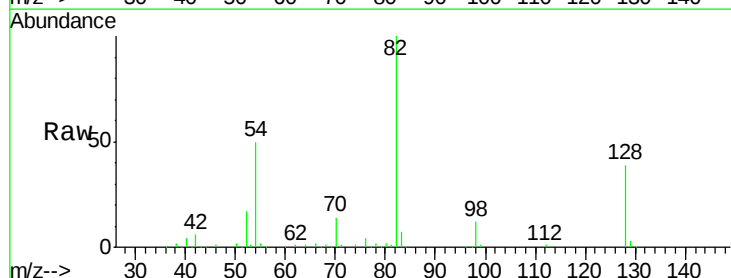
Tgt Ion: 82 Resp: 267158

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

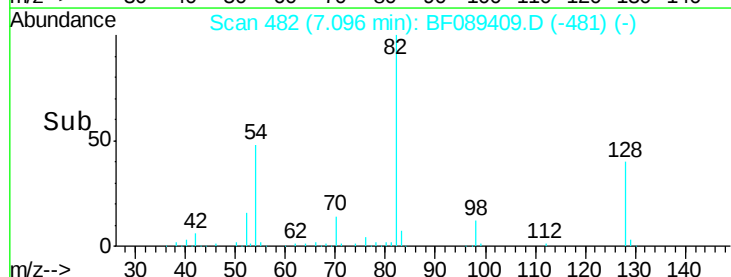
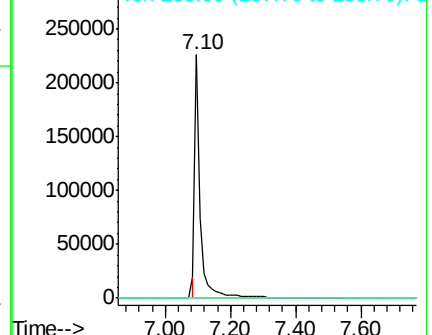
138 0.0 13.3 19.9#

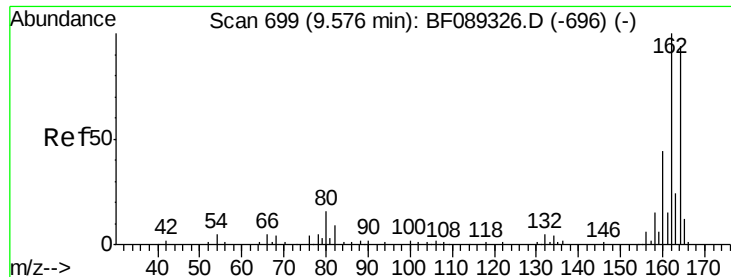


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.02 min

Lab File: BF089409.D

Acq: 29 Jul 2016 13:46

Instrument :

BNA_F

ClientSampleId :

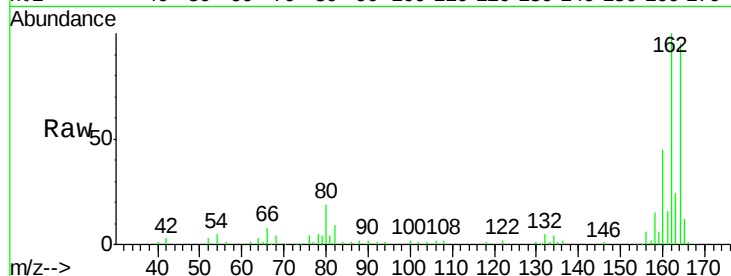
Tot Ion:164 Resp: 72278

Ion Ratio Lower Upper

164 100

162 105.5 83.7 125.5

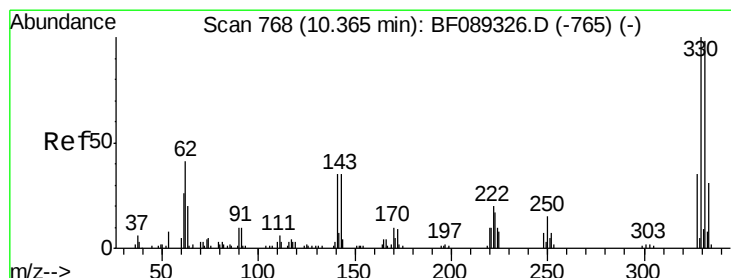
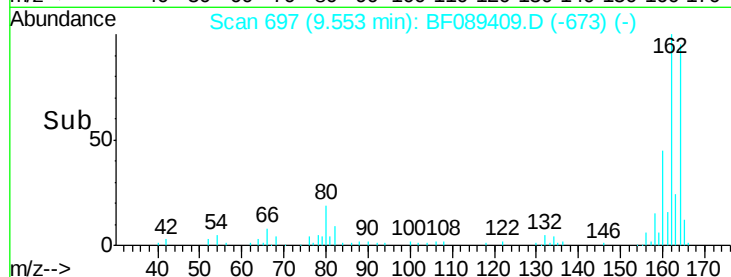
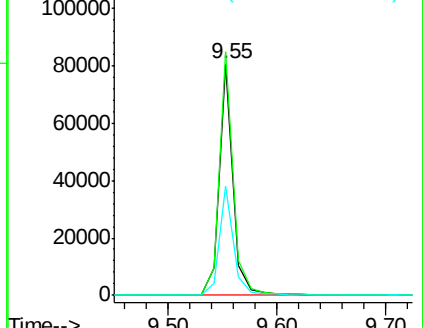
160 47.0 37.8 56.6



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: 109.90 ng

RT: 10.34 min Scan# 766

Delta R.T. -0.02 min

Lab File: BF089409.D

Acq: 29 Jul 2016 13:46

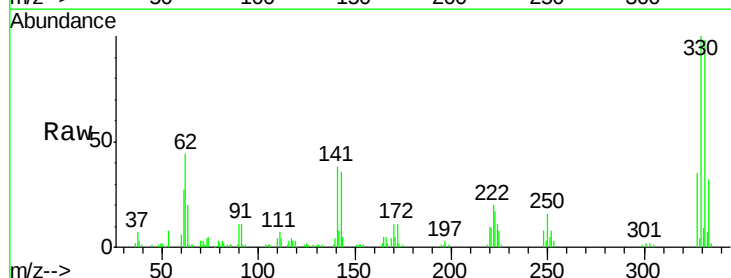
Tgt Ion:330 Resp: 65786

Ion Ratio Lower Upper

330 100

332 98.5 76.8 115.2

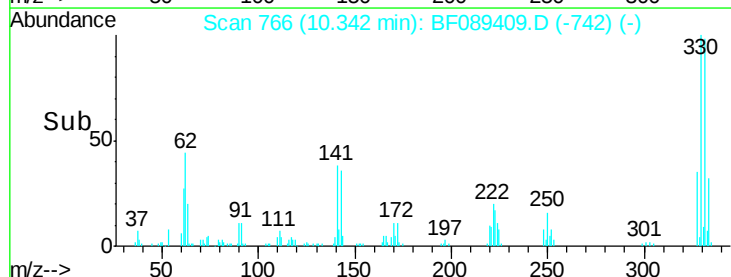
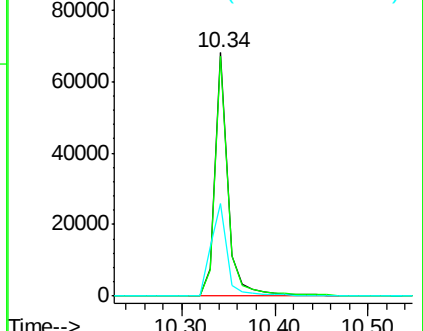
141 47.9 37.3 55.9

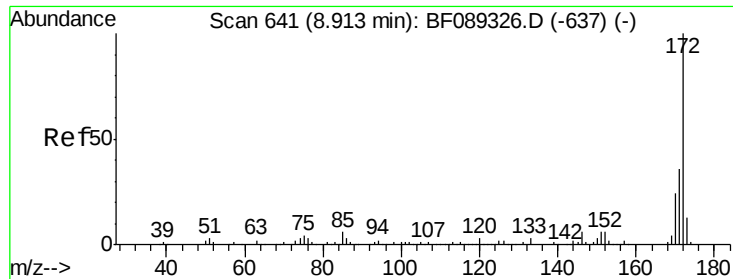


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

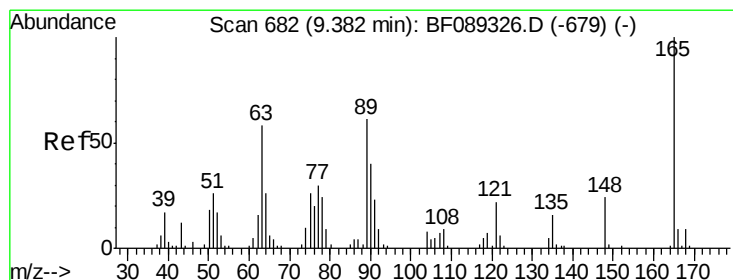
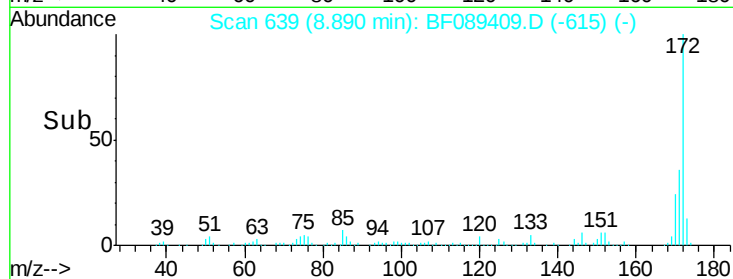
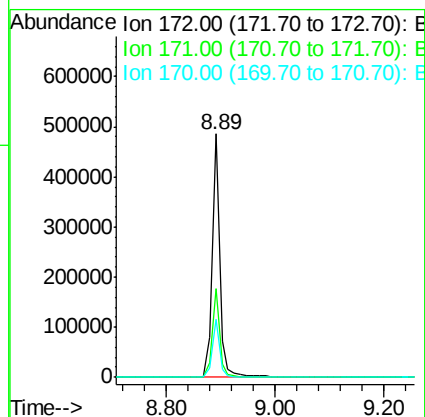
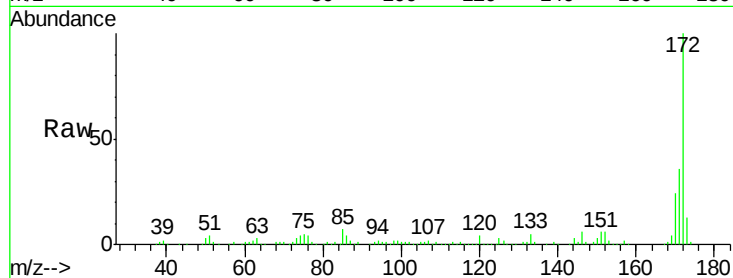




#44
 2-Fluorobiphenyl
 Concen: 96.69 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089409.D
 Acq: 29 Jul 2016 13:46

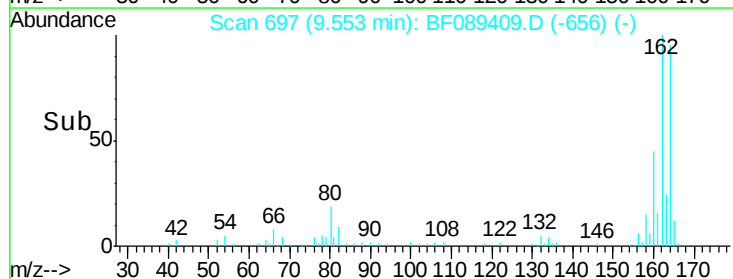
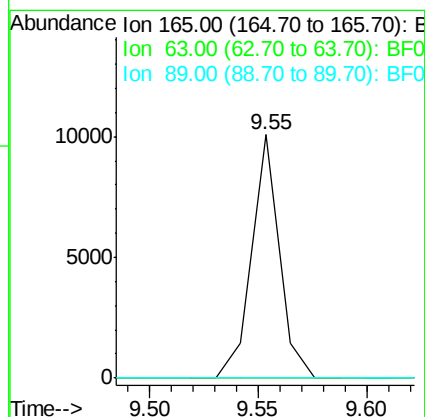
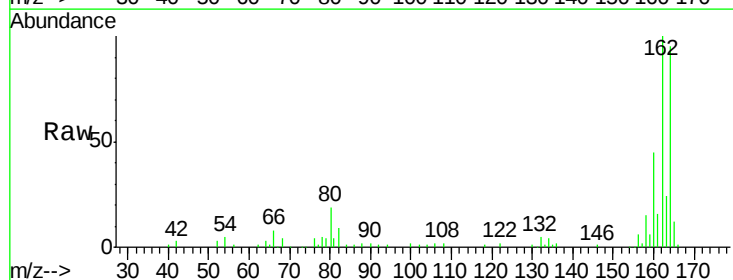
Instrument :
 BNA_F
 ClientSampleId :

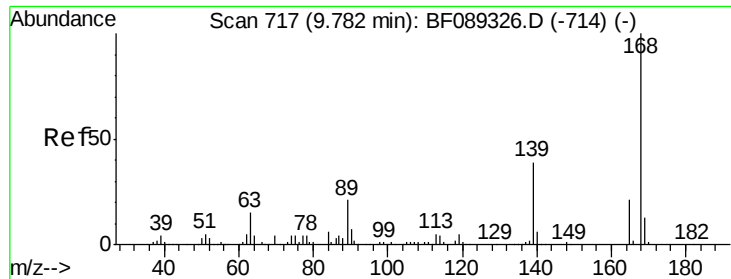
Tot Ion:172 Resp: 476203
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.2 43.8
 170 23.8 19.2 28.8



#50
 2,6-Dinitrotoluene
 Concen: 7.86 ng
 RT: 9.55 min Scan# 697
 Delta R.T. 0.17 min
 Lab File: BF089409.D
 Acq: 29 Jul 2016 13:46

Tgt Ion:165 Resp: 8882
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.5 65.3#
 89 0.0 45.0 67.4#

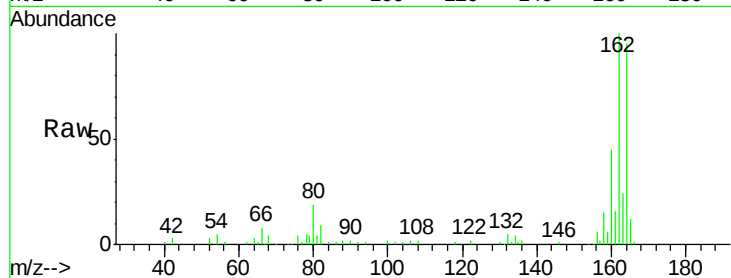




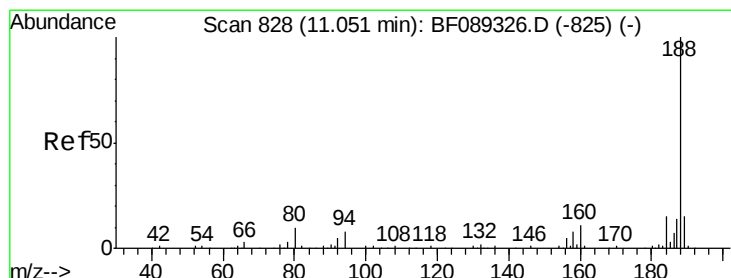
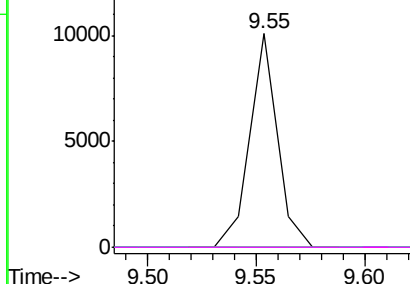
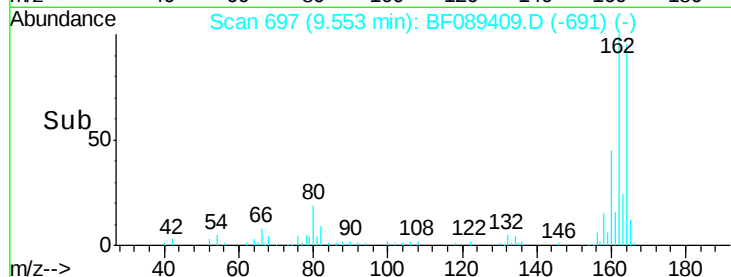
#56
 2,4-Dinitrotoluene
 Concen: 5.97 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.23 min
 Lab File: BF089409.D
 Acq: 29 Jul 2016 13:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 8882
 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#

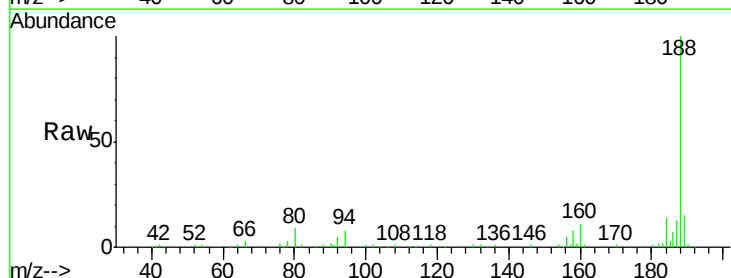


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

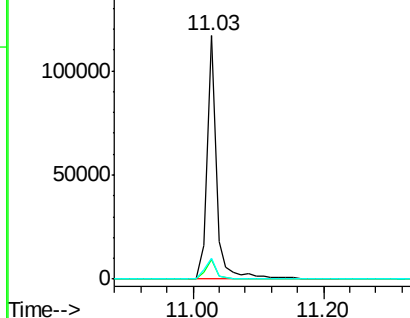
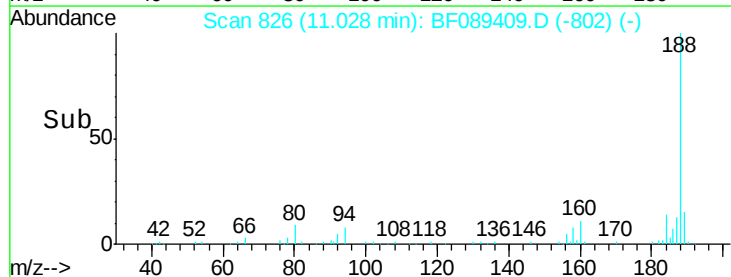


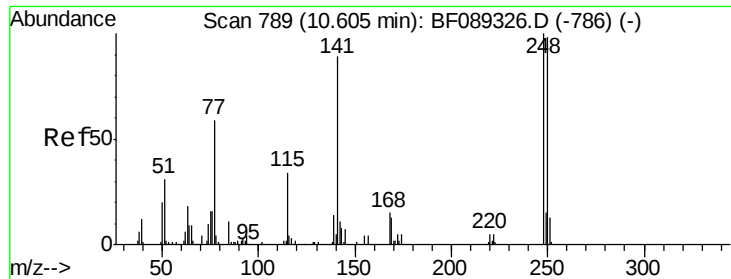
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF089409.D
 Acq: 29 Jul 2016 13:46

Tgt Ion:188 Resp: 117861
 Ion Ratio Lower Upper
 188 100
 94 8.1 6.5 9.7
 80 8.7 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

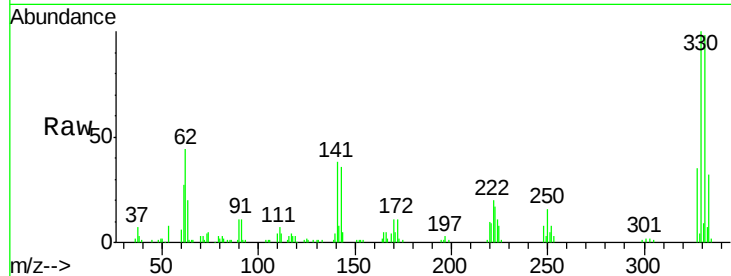




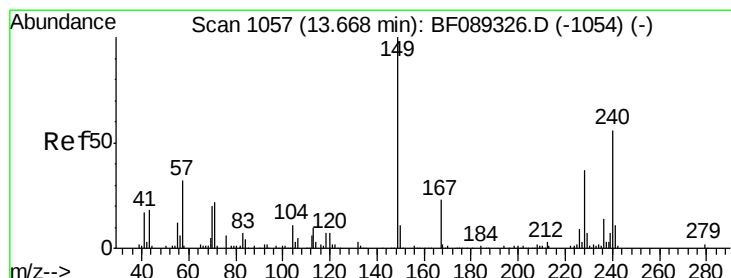
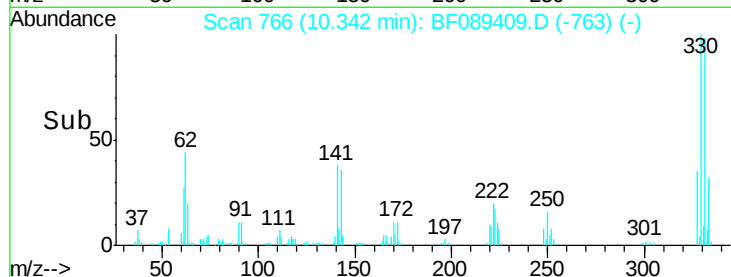
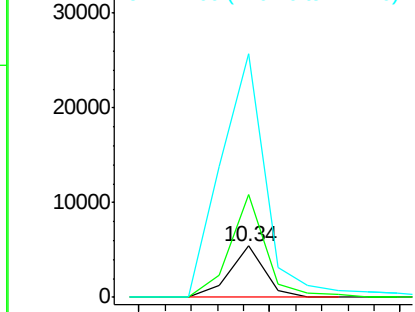
#66
4-Bromophenyl-phenylether
Concen: 4.52 ng
RT: 10.34 min Scan# 766
Delta R.T. -0.26 min
Lab File: BF089409.D
Acq: 29 Jul 2016 13:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 5082
Ion Ratio Lower Upper
248 100
250 200.4 78.2 117.2#
141 474.8 62.0 93.0#

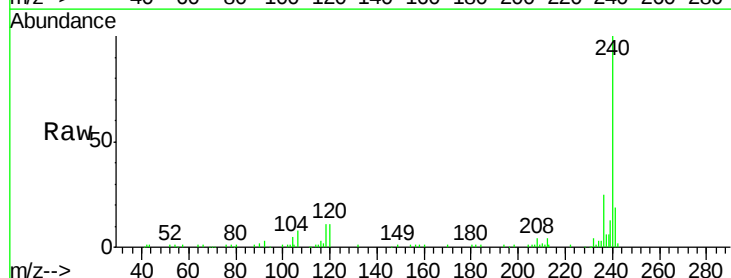


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

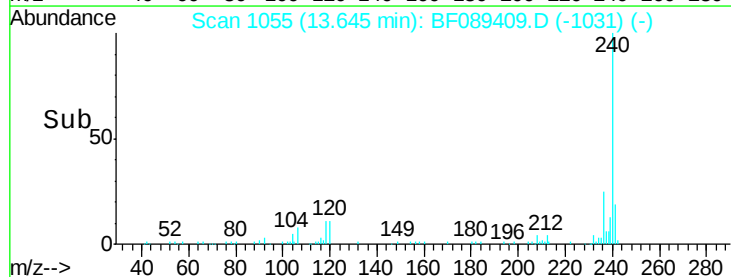
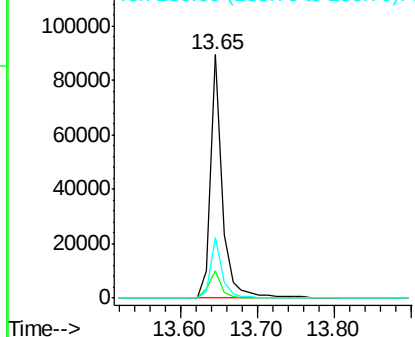


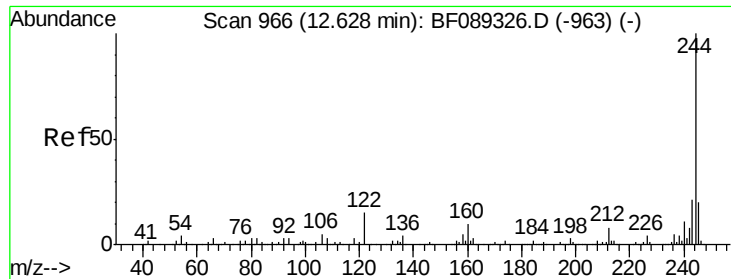
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.65 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BF089409.D
Acq: 29 Jul 2016 13:46

Tgt Ion:240 Resp: 94876
Ion Ratio Lower Upper
240 100
120 11.5 9.1 13.7
236 25.1 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

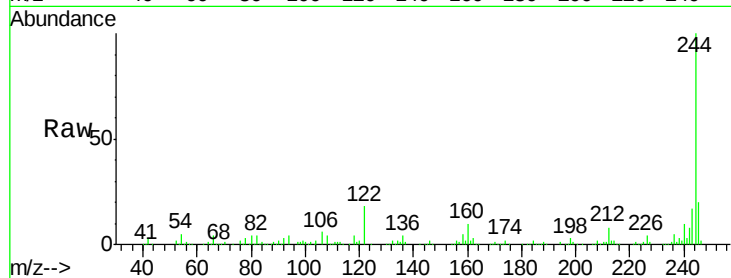




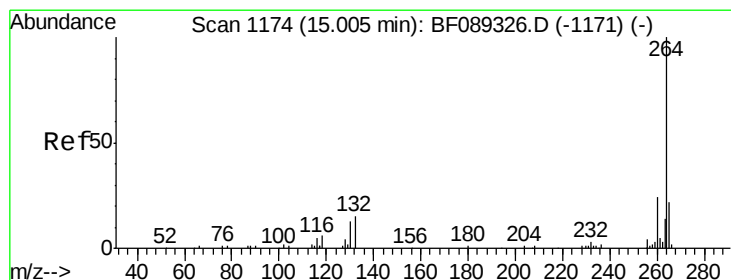
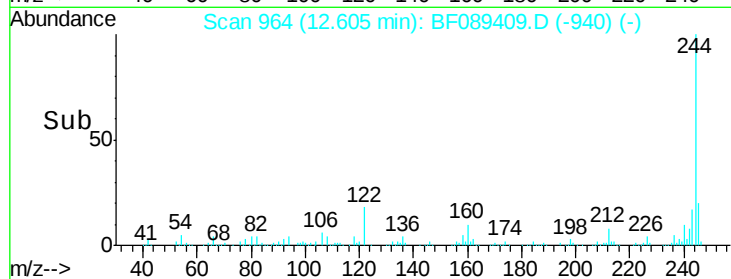
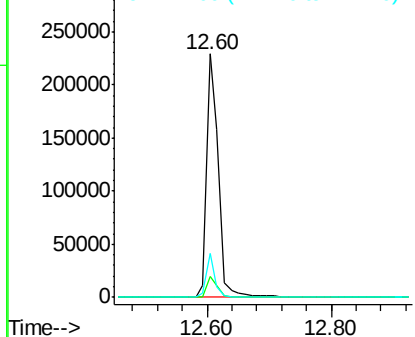
#78
 Terphenyl-d14
 Concen: 73.52 ng
 RT: 12.60 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: BF089409.D
 Acq: 29 Jul 2016 13:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 298022
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.5 9.7
 122 18.1 11.4 17.0#

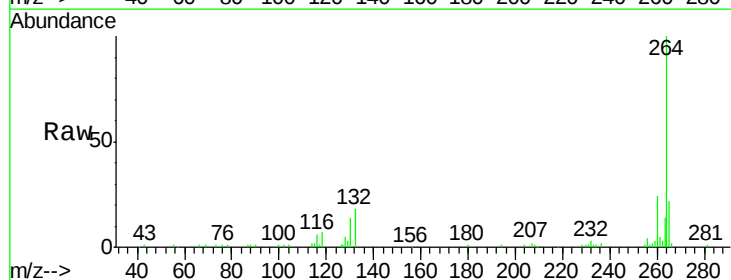


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.98 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF089409.D
 Acq: 29 Jul 2016 13:46

Tgt Ion:264 Resp: 79670
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.4
 265 21.8 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

