

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072916\
 Data File : BF089408.D
 Acq On : 29 Jul 2016 13:16
 Operator : UM/SJ
 Sample : H4200-03 5X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 29 15:39:39 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

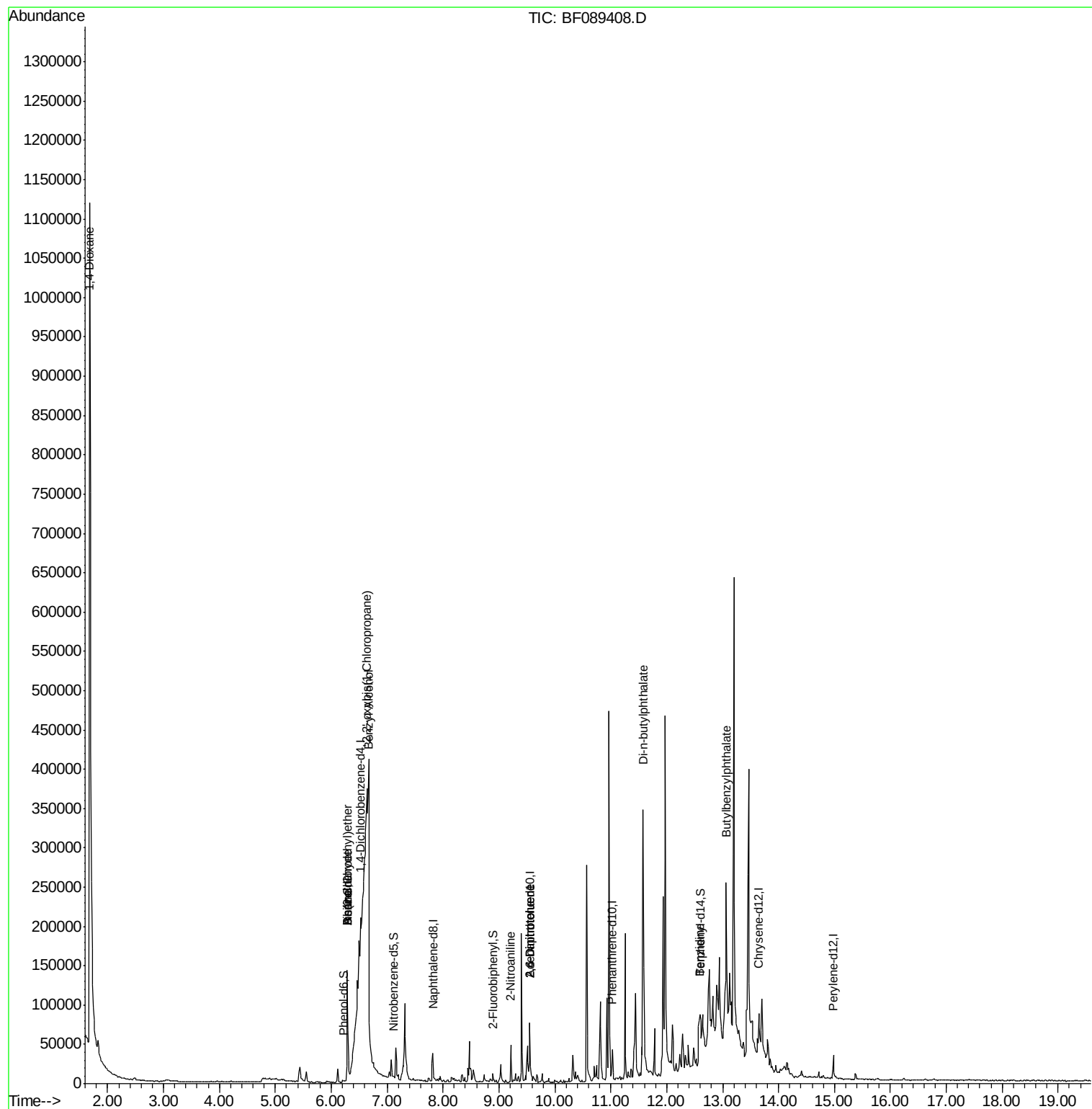
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	6788	20.00	ng	-0.02
21) Naphthalene-d8	7.82	136	27688	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	11484	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	16892	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	17165	20.00	ng	-0.02
86) Perylene-d12	14.98	264	15296	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	475	1.12	ng	0.01
7) Phenol-d6	6.22	99	3733	6.64	ng	0.01
23) Nitrobenzene-d5	7.11	82	3004	6.40	ng	-0.01
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	8.89	172	5384	6.88	ng	-0.02
78) Terphenyl-d14	12.61	244	3528	4.81	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	1.68	88	66898	376.92	ng	# 27
6) Aniline	6.28	93	23379	38.54	ng	# 32
9) Benzaldehyde	6.28	77	4558	16.62	ng	# 7
10) Phenol	6.28	94	2432	3.92	ng	# 53
11) bis(2-Chloroethyl)ether	6.28	93	23379	44.38	ng	# 29
15) Benzyl Alcohol	6.66	79	2422	6.95	ng	# 52
16) 2,2'-oxybis(1-Chloropropan	6.64	45	51707	90.00	ng	# 45
47) 2-Nitroaniline	9.21	65	832	3.83	ng	# 16
50) 2,6-Dinitrotoluene	9.55	165	1211	6.74	ng	# 24
56) 2,4-Dinitrotoluene	9.55	165	1211	5.12	ng	# 7
73) Di-n-butylphthalate	11.58	149	8152	7.45	ng	# 91
76) Benzidine	12.58	184	1790	2.82	ng	# 1
79) Butylbenzylphthalate	13.06	149	2564	4.34	ng	# 44

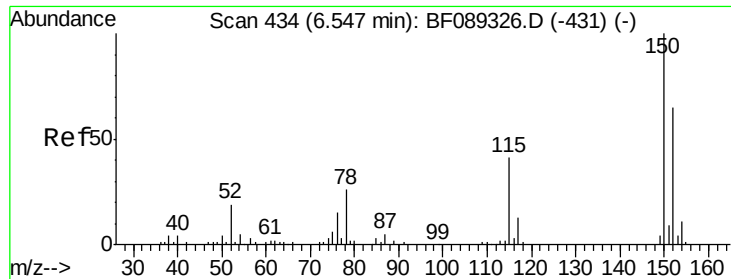
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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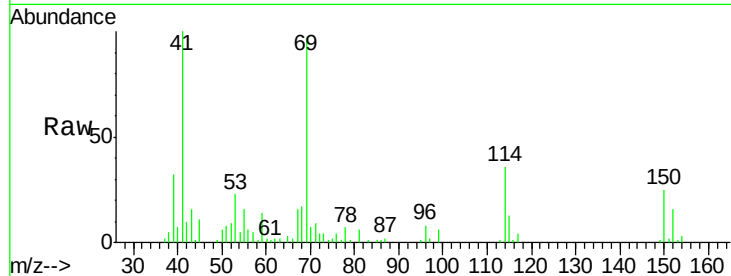


#1

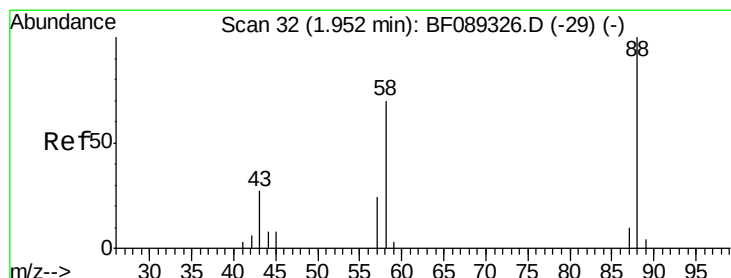
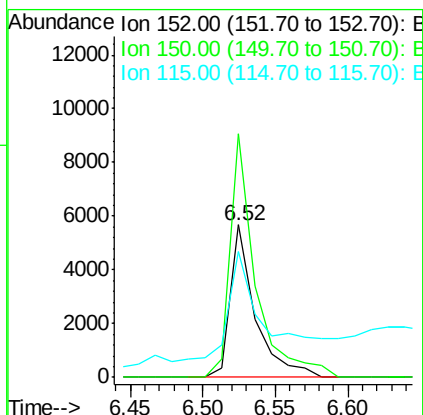
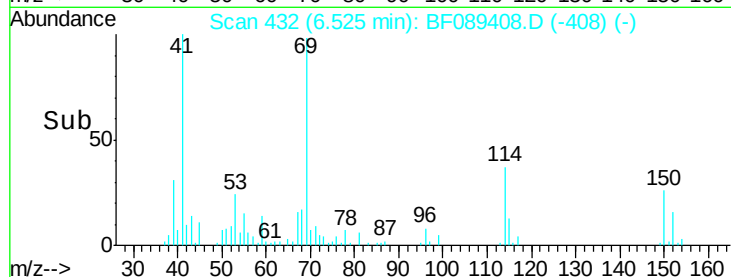
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 432
Delta R.T. -0.02 min
Lab File: BF089408.D
Acq: 29 Jul 2016 13:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 6788
Ion Ratio Lower Upper
152 100
150 159.6 129.5 194.3
115 82.3 51.4 77.2#



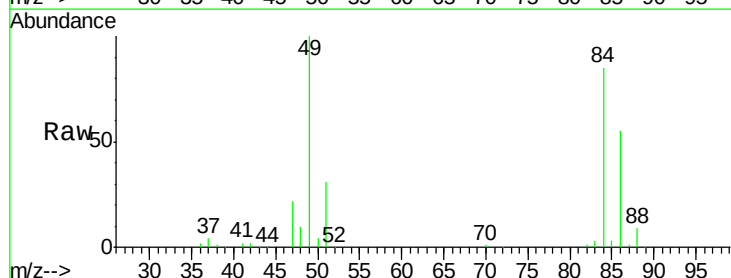
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



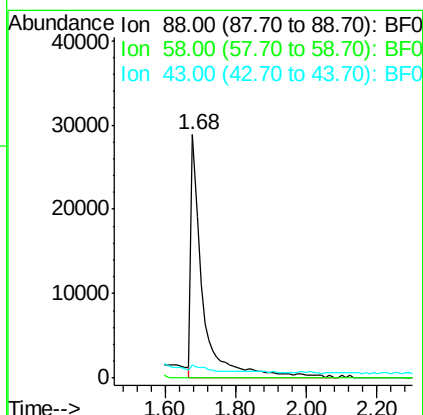
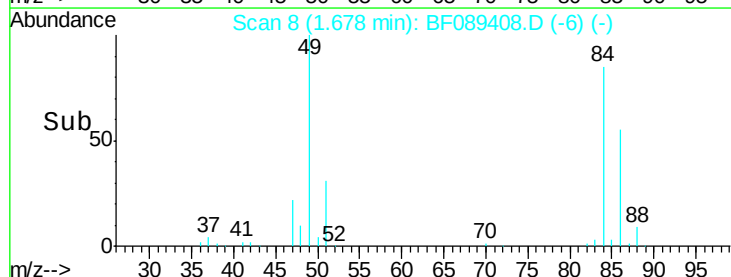
#2

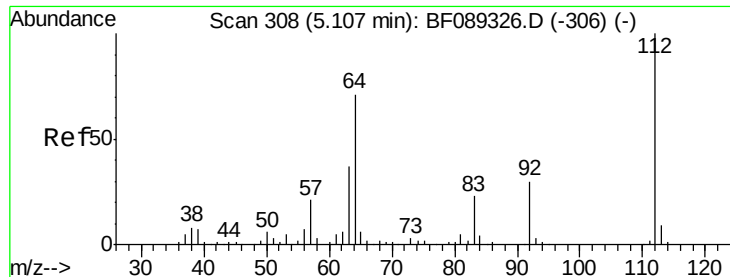
1,4-Dioxane
Concen: 376.92 ng
RT: 1.68 min Scan# 8
Delta R.T. -0.27 min
Lab File: BF089408.D
Acq: 29 Jul 2016 13:16

Tgt Ion: 88 Resp: 66898
Ion Ratio Lower Upper
88 100
58 0.0 53.2 79.8#
43 2.1 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





#5

2-Fluorophenol

Concen: 1.12 ng

RT: 5.12 min Scan# 309

Delta R.T. 0.01 min

Lab File: BF089408.D

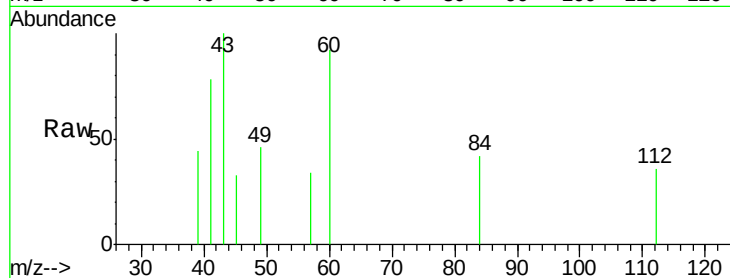
Acq: 29 Jul 2016 13:16

Instrument :

BNA_F

ClientSampled :

Tot Ion:	112	Resp:	475
Ion	Ratio	Lower	Upper
112	100		
64	0.0	55.0	82.6#
63	0.0	29.4	44.2#

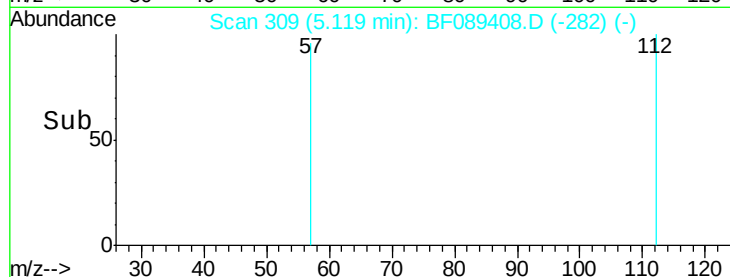


Abundance Ion 112.00 (111.70 to 112.70): E

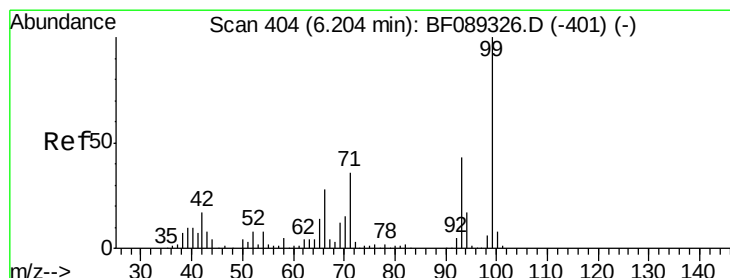
Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->



Time-->



#6

Aniline

Concen: 38.54 ng

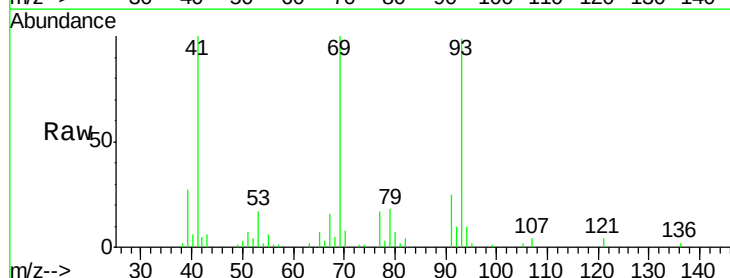
RT: 6.28 min Scan# 411

Delta R.T. 0.08 min

Lab File: BF089408.D

Acq: 29 Jul 2016 13:16

Tgt Ion:	93	Resp:	23379
Ion	Ratio	Lower	Upper
93	100		
66	2.7	51.6	77.4#
65	6.6	24.7	37.1#

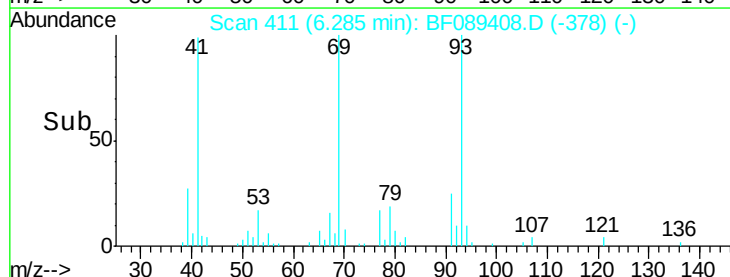


Abundance Ion 93.00 (92.70 to 93.70): BF0

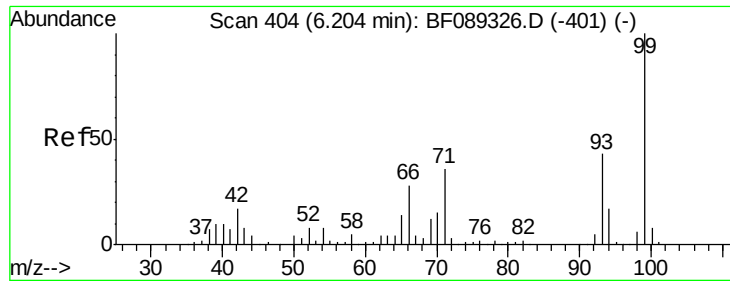
Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Time-->



Time-->



#7

Phenol-d6

Concen: 6.64 ng

RT: 6.22 min Scan# 405

Delta R.T. 0.01 min

Lab File: BF089408.D

Acq: 29 Jul 2016 13:16

Instrument :

BNA_F

ClientSampled :

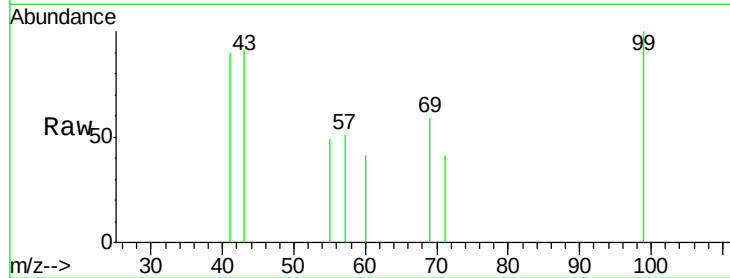
Tot Ion: 99 Resp: 3733

Ion Ratio Lower Upper

99 100

42 0.0 13.6 20.4#

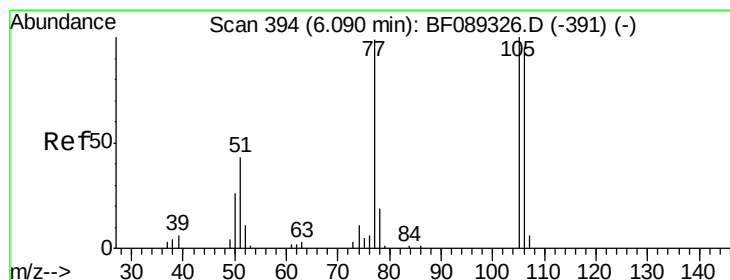
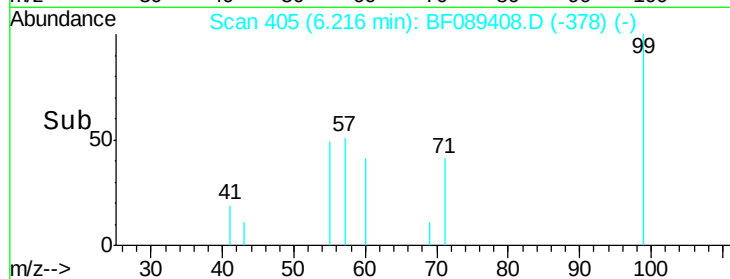
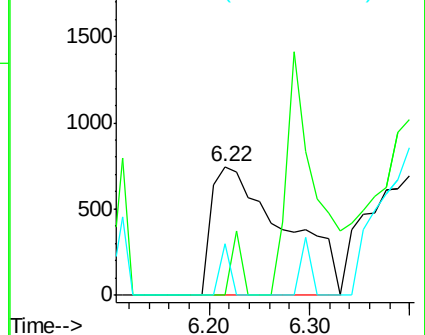
71 40.5 29.4 44.2



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: 16.62 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.19 min

Lab File: BF089408.D

Acq: 29 Jul 2016 13:16

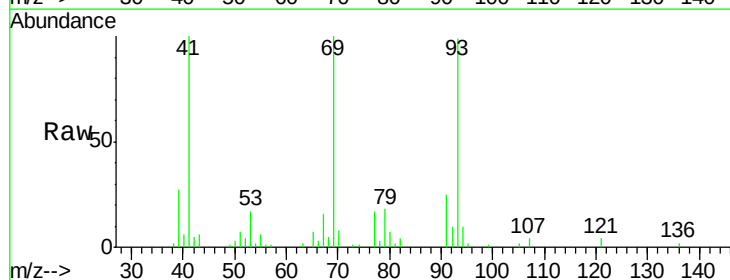
Tgt Ion: 77 Resp: 4558

Ion Ratio Lower Upper

77 100

105 13.3 82.9 122.9#

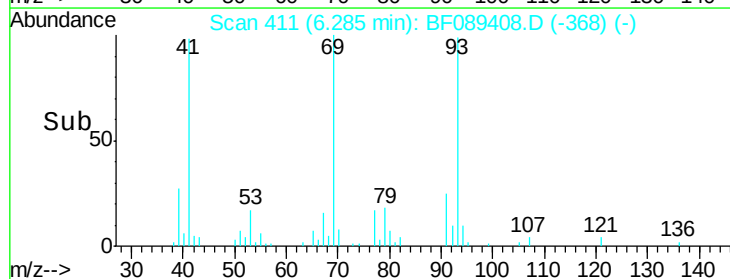
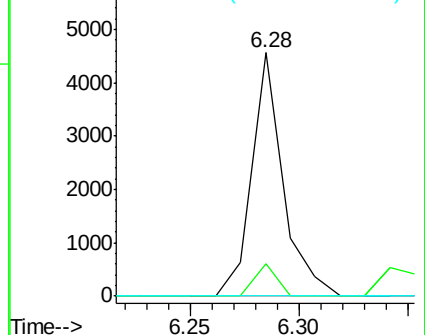
106 0.0 75.9 115.9#

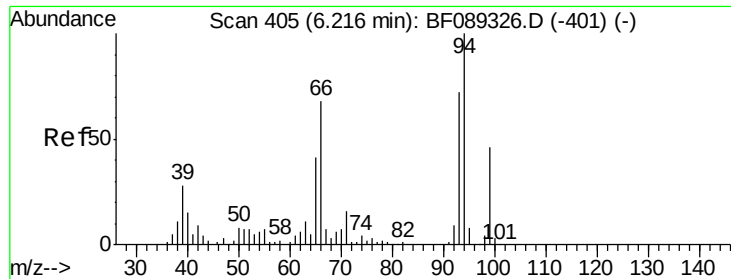


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.92 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.07 min

Lab File: BF089408.D

Acq: 29 Jul 2016 13:16

Instrument :

BNA_F

ClientSampleId :

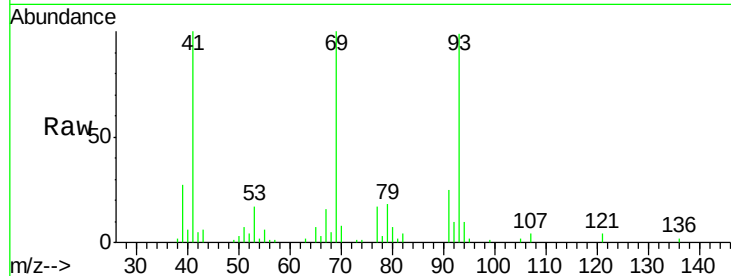
Tot Ion: 94 Resp: 2432

Ion Ratio Lower Upper

94 100

65 67.5 19.1 59.1#

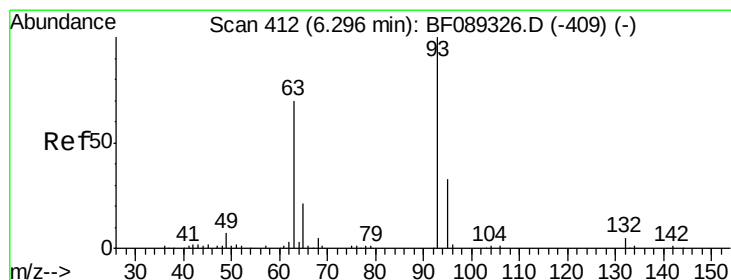
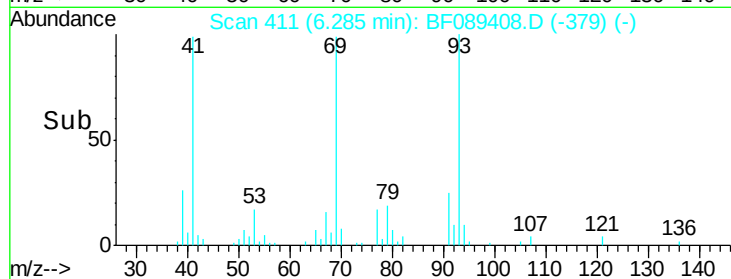
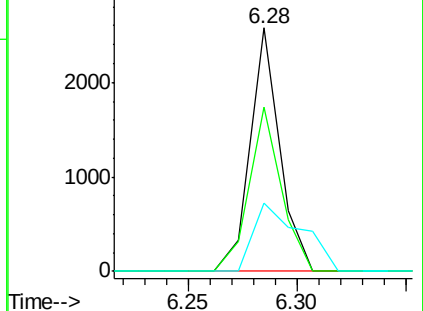
66 27.9 44.4 84.4#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 44.38 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF089408.D

Acq: 29 Jul 2016 13:16

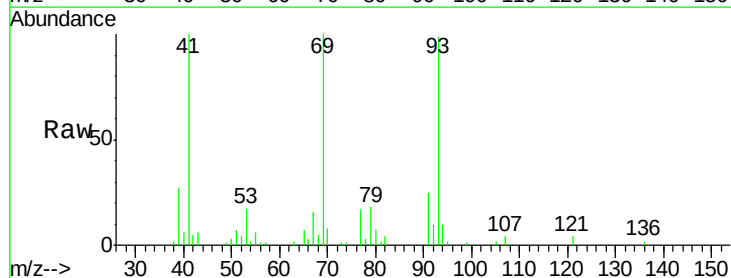
Tgt Ion: 93 Resp: 23379

Ion Ratio Lower Upper

93 100

63 2.1 45.6 85.6#

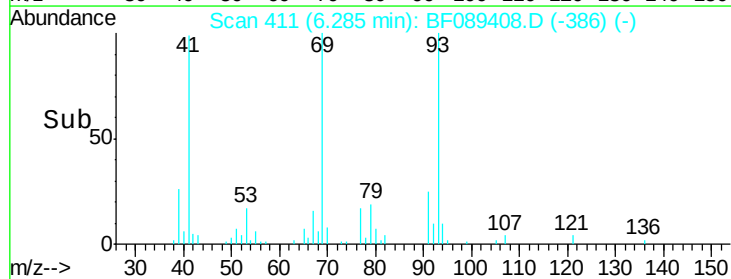
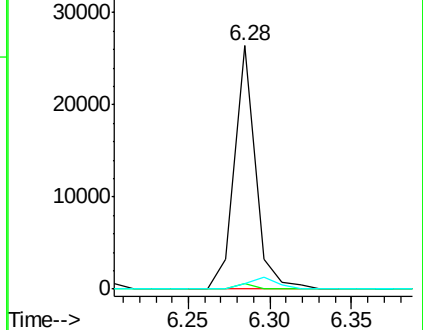
95 2.3 11.1 51.1#

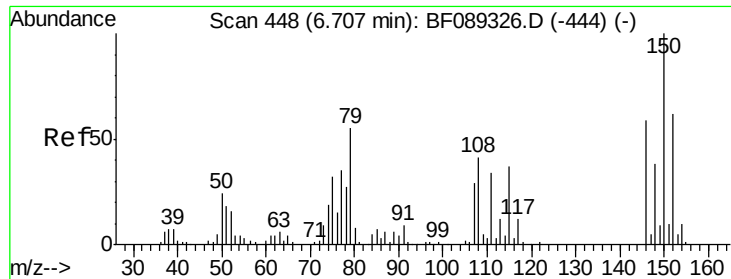


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

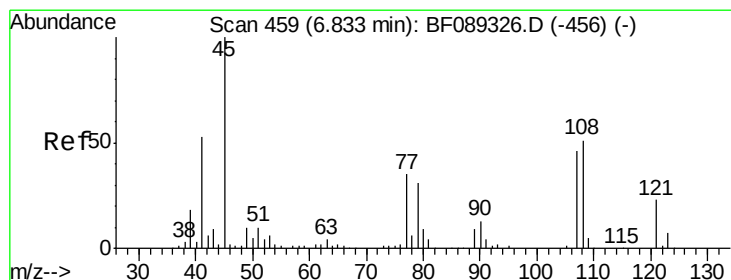
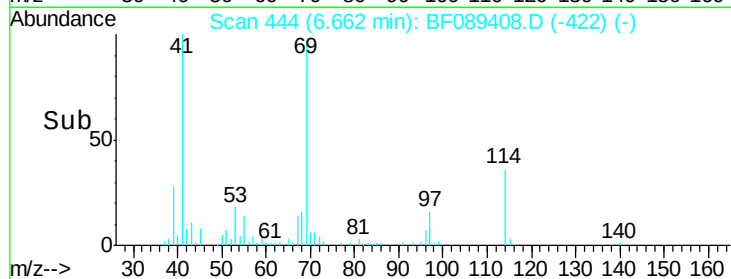
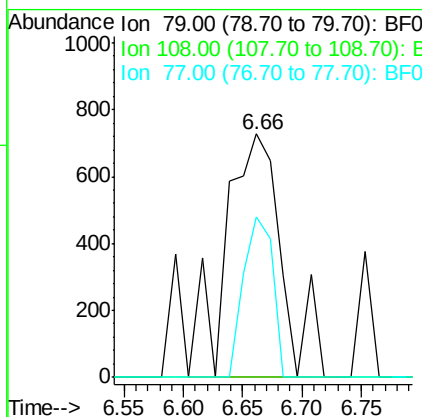
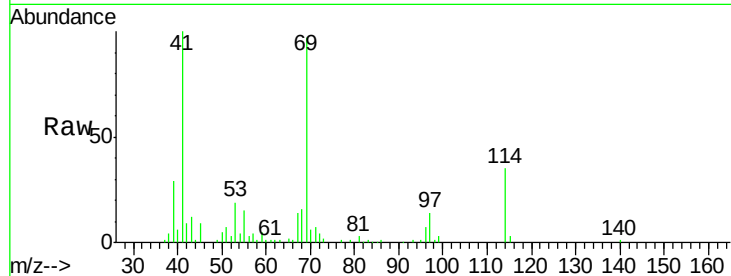




#15
Benzyl Alcohol
Concen: 6.95 ng
RT: 6.66 min Scan# 444
Delta R.T. -0.05 min
Lab File: BF089408.D
Acq: 29 Jul 2016 13:16

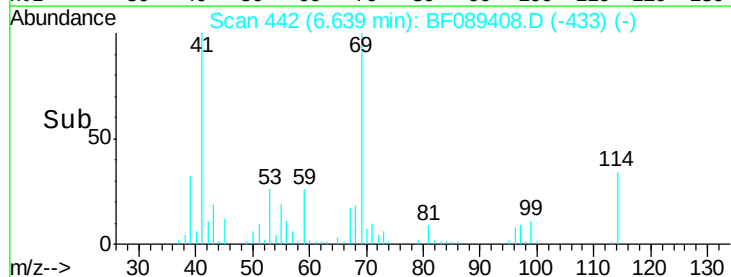
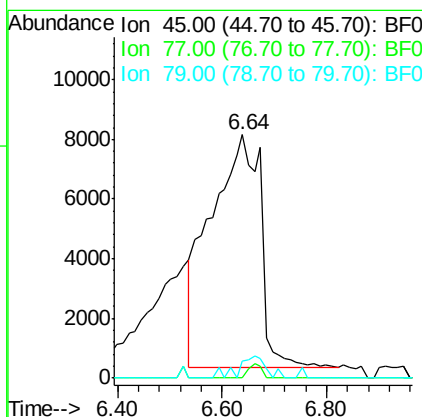
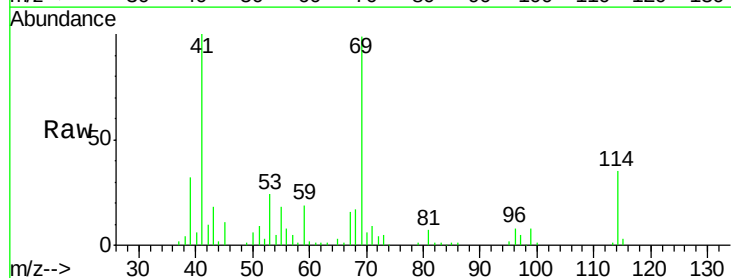
Instrument :
BNA_F
ClientSampled :

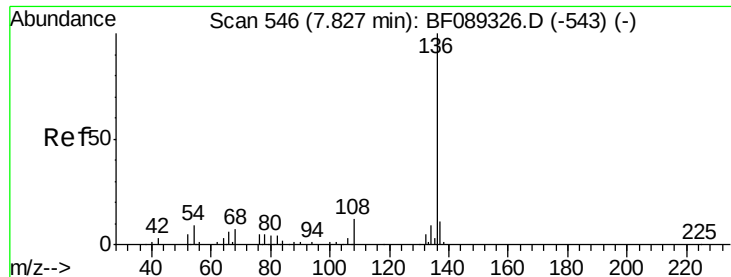
Tot Ion: 79 Resp: 2422
Ion Ratio Lower Upper
79 100
108 0.0 59.8 89.6#
77 65.7 51.7 77.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 90.00 ng
RT: 6.64 min Scan# 442
Delta R.T. -0.19 min
Lab File: BF089408.D
Acq: 29 Jul 2016 13:16

Tgt Ion: 45 Resp: 51707
Ion Ratio Lower Upper
45 100
77 0.0 17.3 57.3#
79 7.2 13.9 53.9#

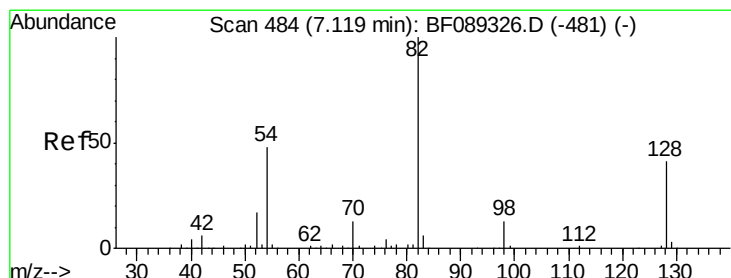
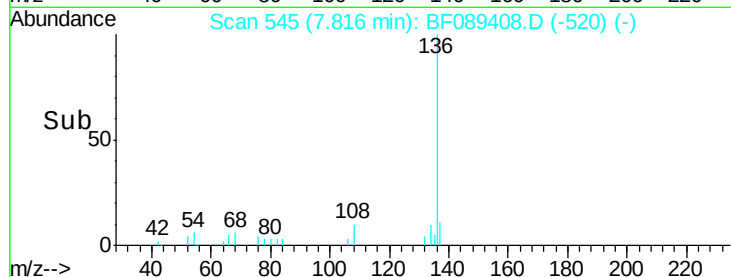
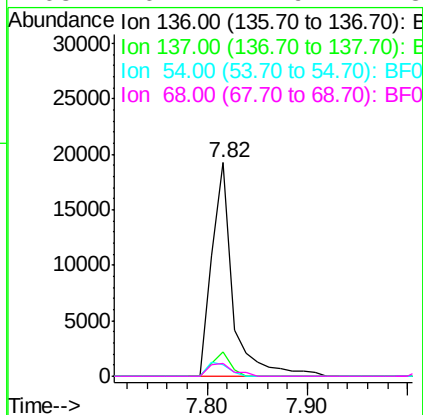
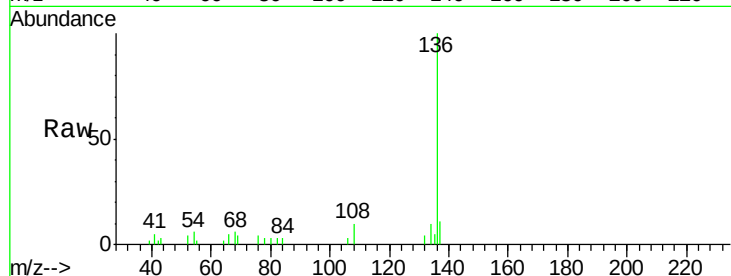




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.82 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF089408.D
Acq: 29 Jul 2016 13:16

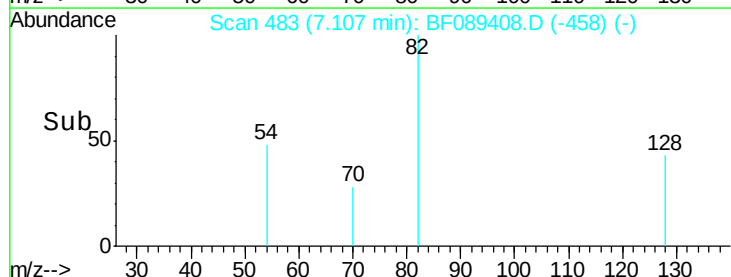
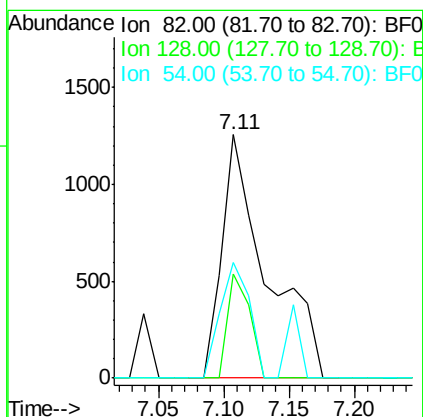
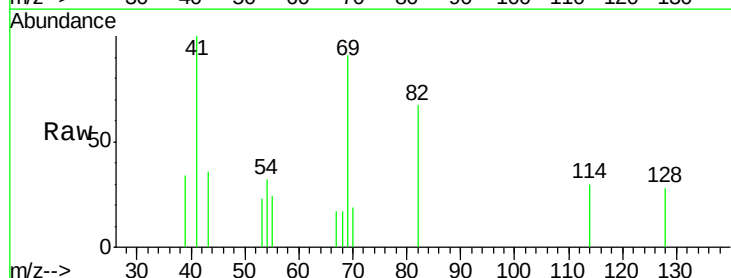
Instrument :
BNA_F
ClientSampleId :

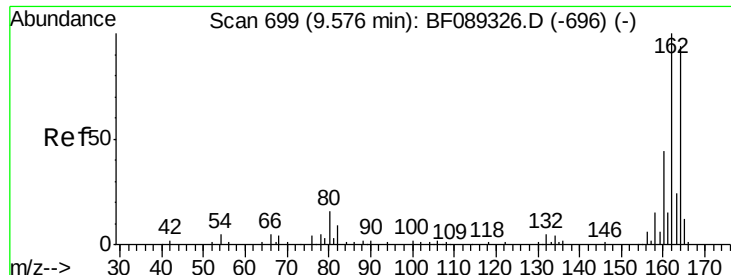
Tot Ion:136	Resp:	27688
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.6 13.0
54	5.6	7.0 10.4
68	6.2	4.9 7.3



#23
Nitrobenzene-d5
Concen: 6.40 ng
RT: 7.11 min Scan# 483
Delta R.T. -0.01 min
Lab File: BF089408.D
Acq: 29 Jul 2016 13:16

Tgt Ion: 82	Resp:	3004
Ion Ratio	Lower	Upper
82	100	
128	42.6	32.5 48.7
54	47.7	38.8 58.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.02 min

Lab File: BF089408.D

Acq: 29 Jul 2016 13:16

Instrument :

BNA_F

ClientSampleId :

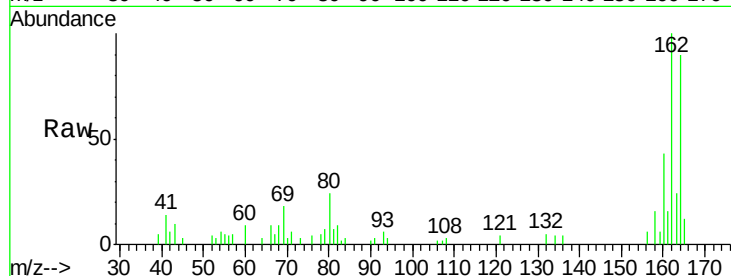
Tot Ion:164 Resp: 11484

Ion Ratio Lower Upper

164 100

162 110.9 83.7 125.5

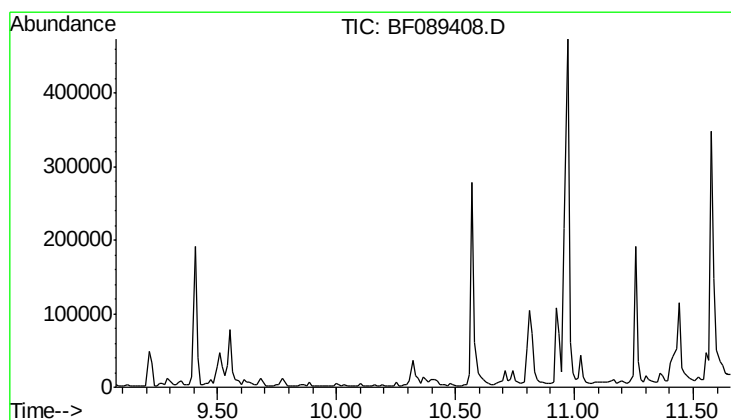
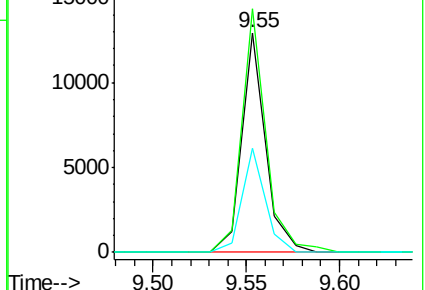
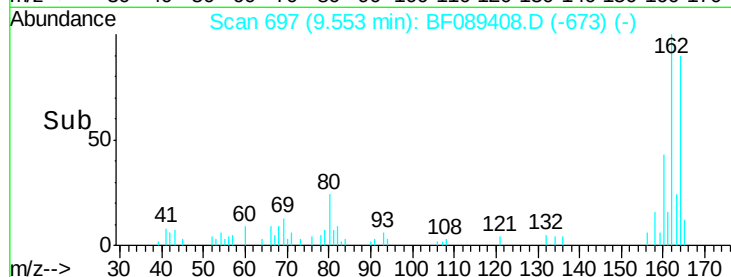
160 47.5 37.8 56.6



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: 0.00 ng

Expected RT: 10.36 min

Lab File: BF089408.D

Acq: 29 Jul 2016 13:16

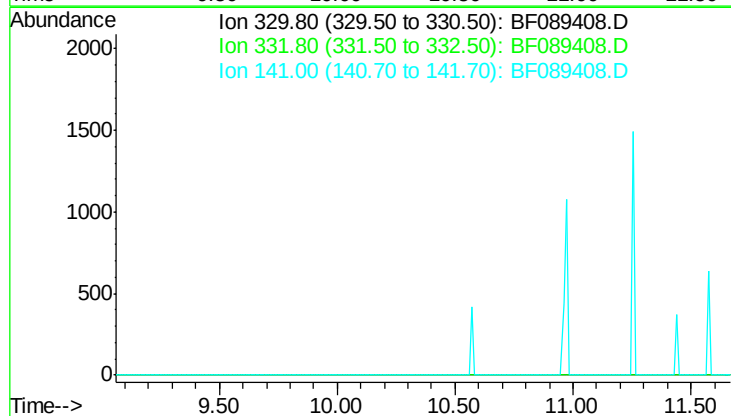
Tgt Ion: 330

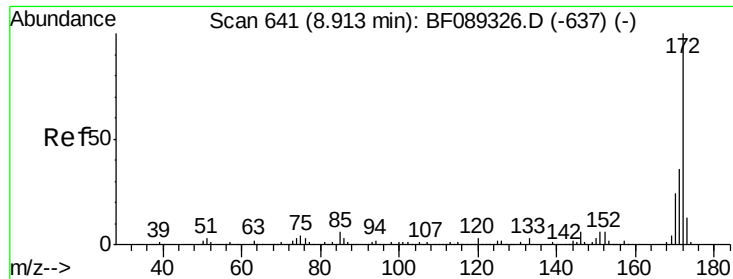
Sig Exp Ratio

330 100

332 96.0

141 46.6

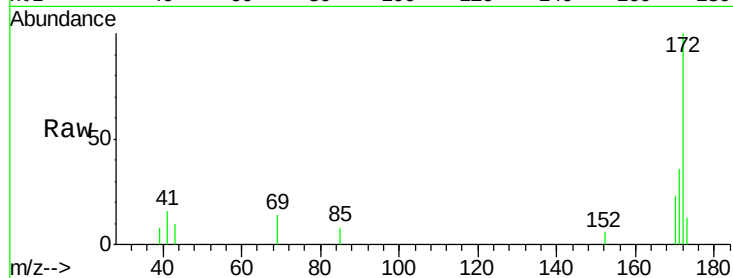




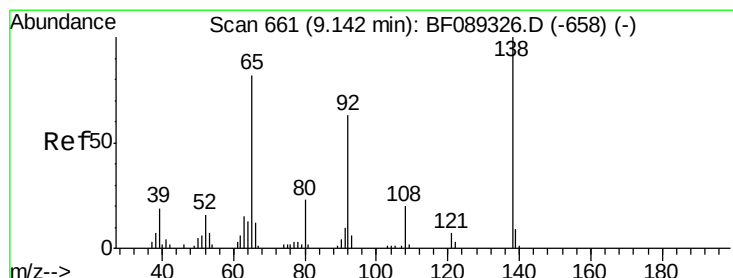
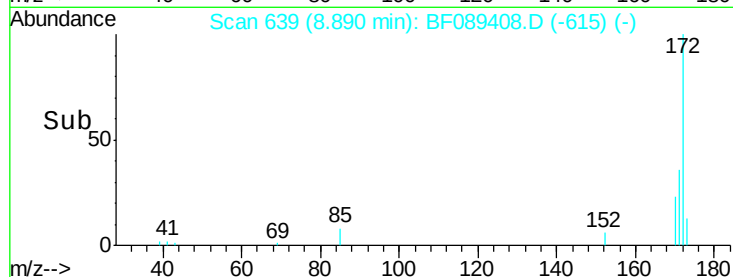
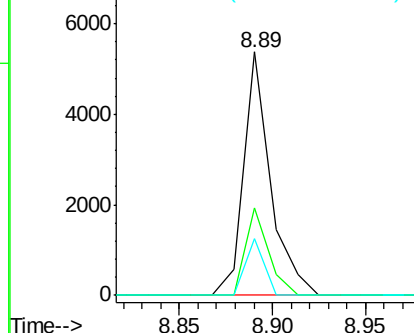
#44
2-Fluorobiphenyl
Concen: 6.88 ng
RT: 8.89 min Scan# 639
Delta R.T. -0.02 min
Lab File: BF089408.D
Acq: 29 Jul 2016 13:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 5384
Ion Ratio Lower Upper
172 100
171 35.9 29.2 43.8
170 23.4 19.2 28.8

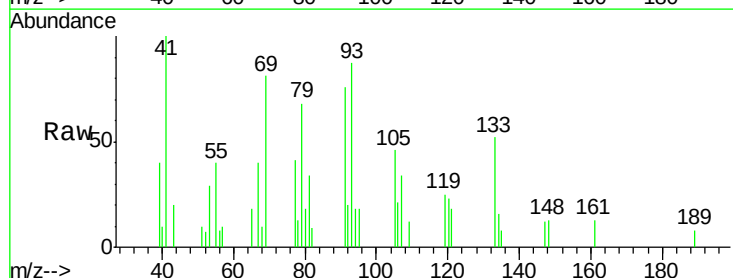


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

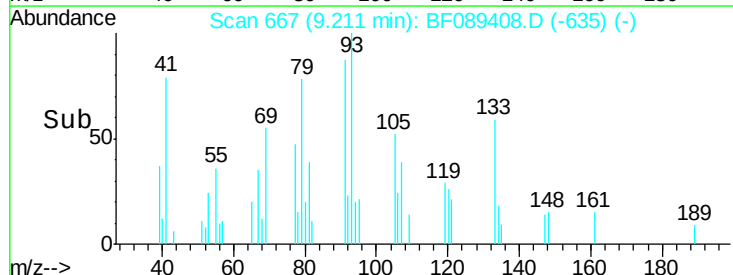
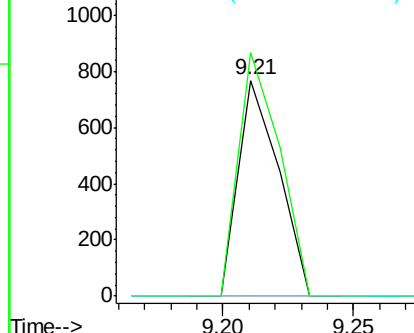


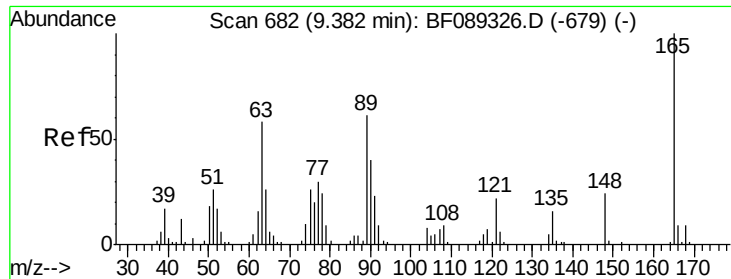
#47
2-Nitroaniline
Concen: 3.83 ng
RT: 9.21 min Scan# 667
Delta R.T. 0.07 min
Lab File: BF089408.D
Acq: 29 Jul 2016 13:16

Tgt Ion: 65 Resp: 832
Ion Ratio Lower Upper
65 100
92 112.7 61.0 91.4#
138 0.0 99.1 148.7#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E

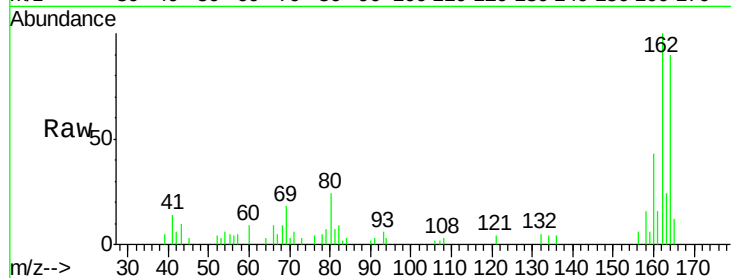




#50
2,6-Dinitrotoluene
Concen: 6.74 ng
RT: 9.55 min Scan# 697
Delta R.T. 0.17 min
Lab File: BF089408.D
Acq: 29 Jul 2016 13:16

Instrument :
BNA_F
ClientSampleId :

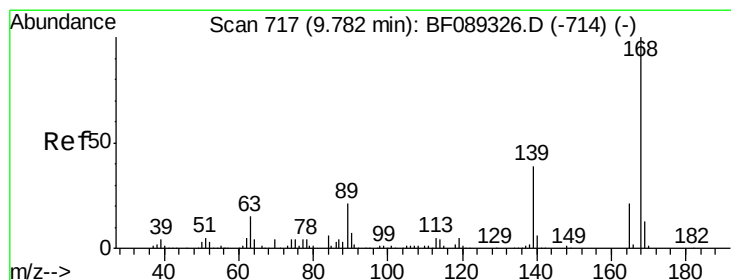
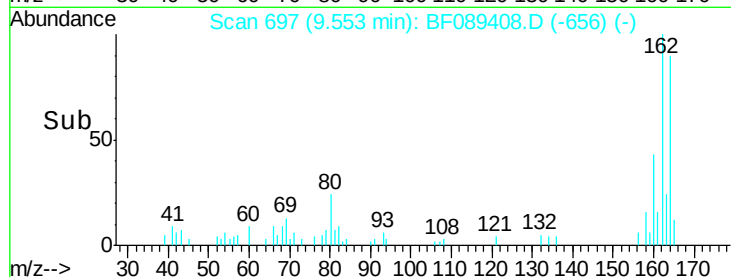
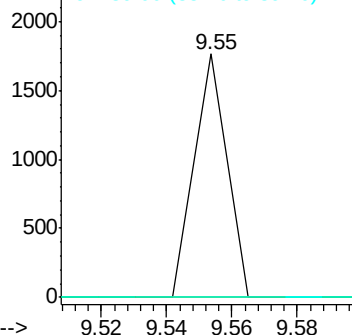
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.5	65.3#
89	0.0	45.0	67.4#



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



#56
2,4-Dinitrotoluene
Concen: 5.12 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.23 min
Lab File: BF089408.D
Acq: 29 Jul 2016 13:16

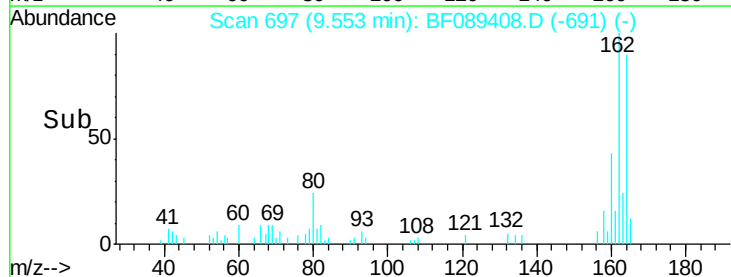
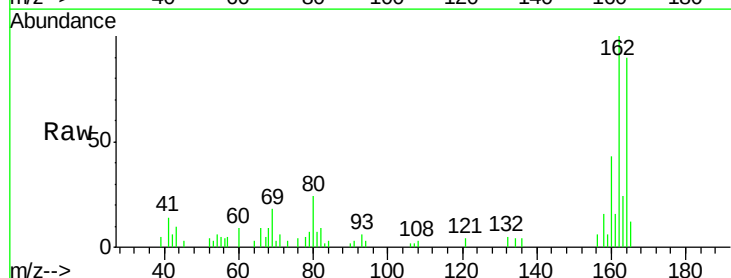
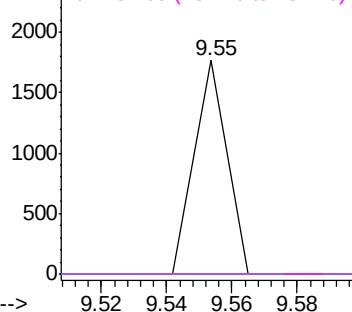
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	58.2	87.2#
89	0.0	79.1	118.7#
182	0.0	1.8	2.8#

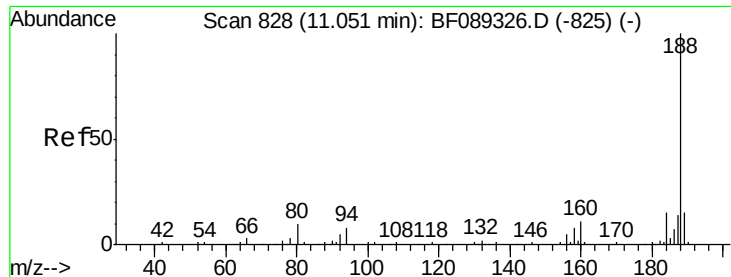
Abundance Ion 165.00 (164.70 to 165.70): E

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

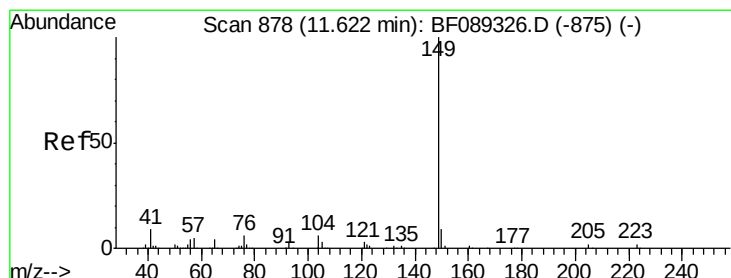
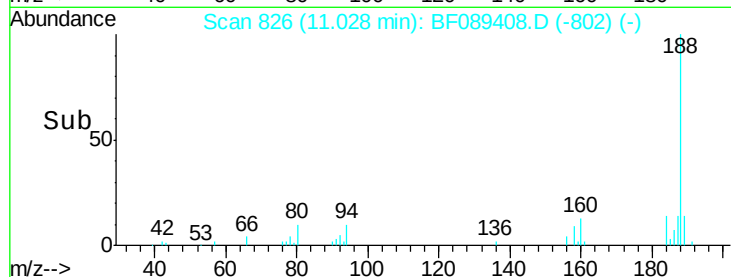
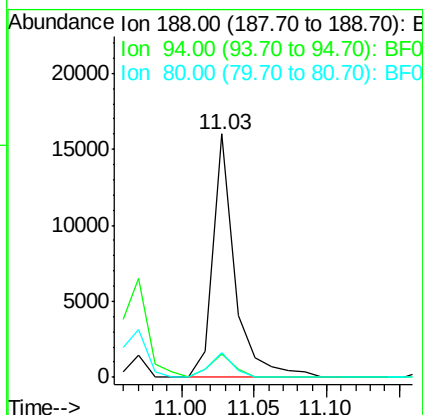
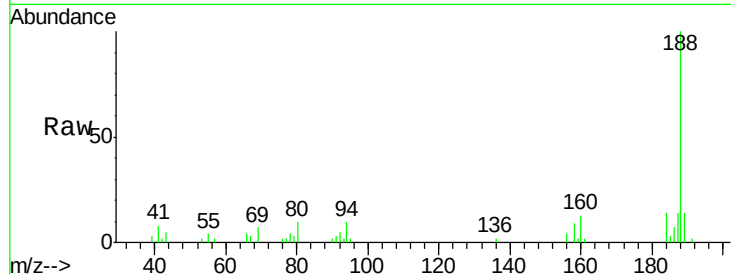




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF089408.D
 Acq: 29 Jul 2016 13:16

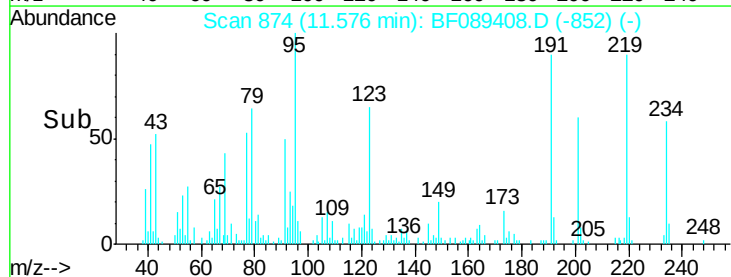
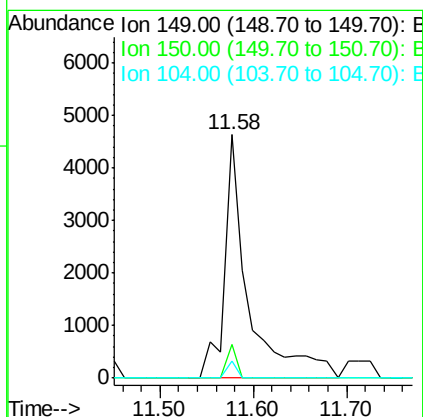
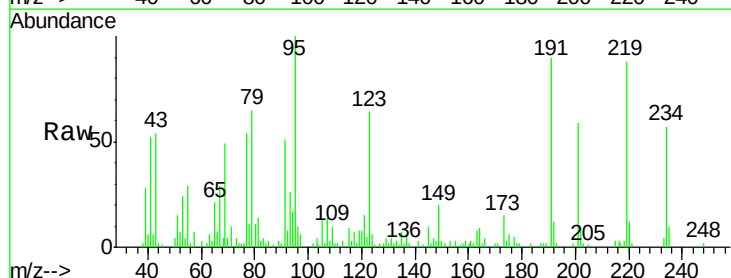
Instrument :
 BNA_F
 ClientSampleId :

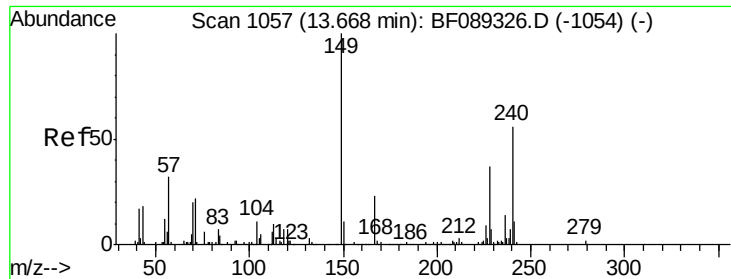
Tot Ion:188 Resp: 16892
 Ion Ratio Lower Upper
 188 100
 94 9.6 6.5 9.7
 80 9.9 7.2 10.8



#73
 Di-n-butylphthalate
 Concen: 7.45 ng
 RT: 11.58 min Scan# 874
 Delta R.T. -0.05 min
 Lab File: BF089408.D
 Acq: 29 Jul 2016 13:16

Tgt Ion:149 Resp: 8152
 Ion Ratio Lower Upper
 149 100
 150 13.8 7.4 11.0#
 104 7.0 4.7 7.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF089408.D

Acq: 29 Jul 2016 13:16

Instrument :

BNA_F

ClientSampleId :

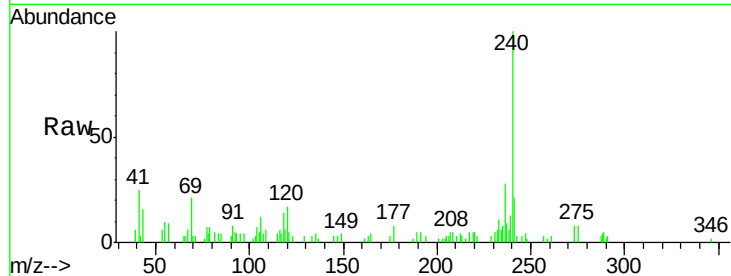
Tot Ion:240 Resp: 17165

Ion Ratio Lower Upper

240 100

120 16.9 9.1 13.7#

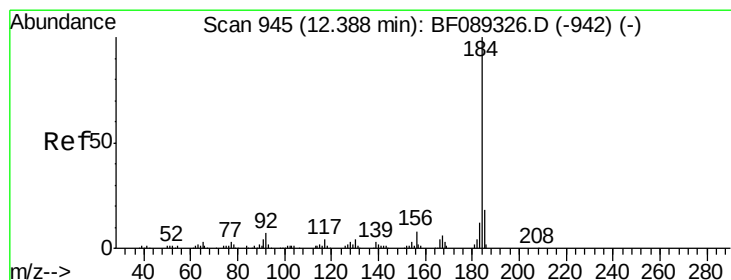
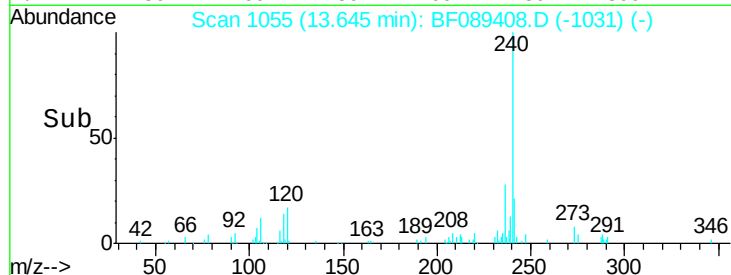
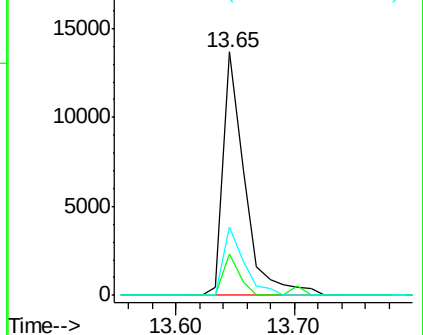
236 28.0 20.6 30.8



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



#76

Benzidine

Concen: 2.82 ng

RT: 12.58 min Scan# 962

Delta R.T. 0.20 min

Lab File: BF089408.D

Acq: 29 Jul 2016 13:16

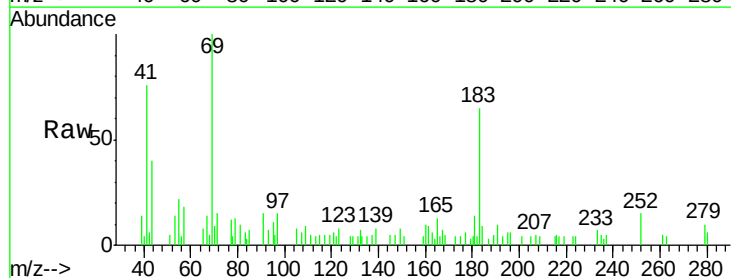
Tgt Ion:184 Resp: 1790

Ion Ratio Lower Upper

184 100

185 0.0 13.5 20.3#

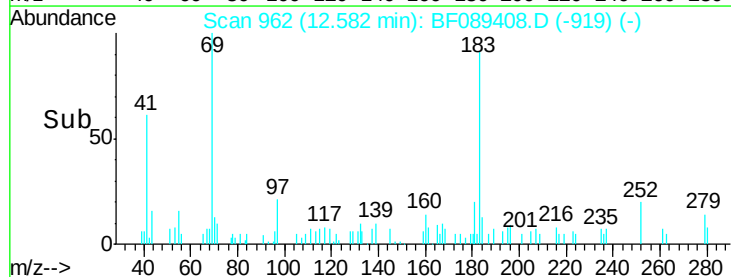
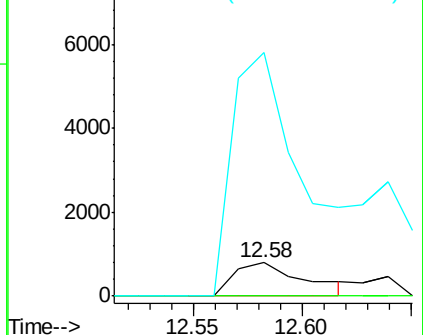
183 727.2 9.8 14.6#

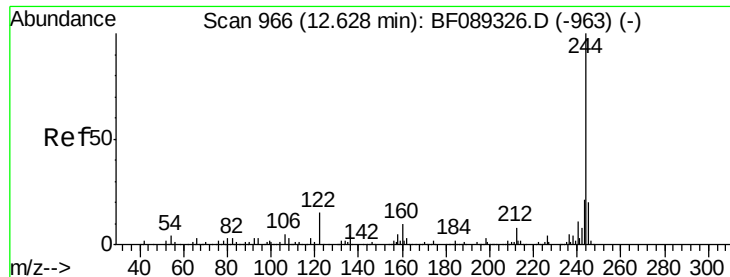


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 4.81 ng

RT: 12.61 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF089408.D

Acq: 29 Jul 2016 13:16

Instrument :

BNA_F

ClientSampleId :

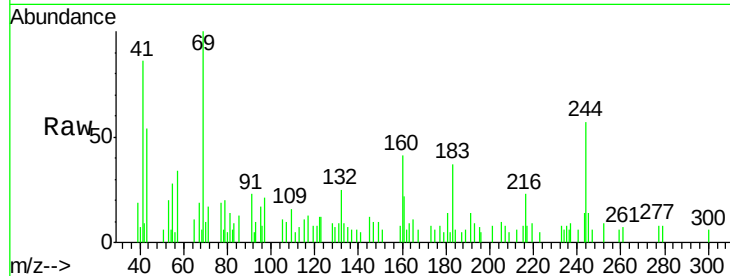
Tot Ion:244 Resp: 3528

Ion Ratio Lower Upper

244 100

212 11.1 6.5 9.7#

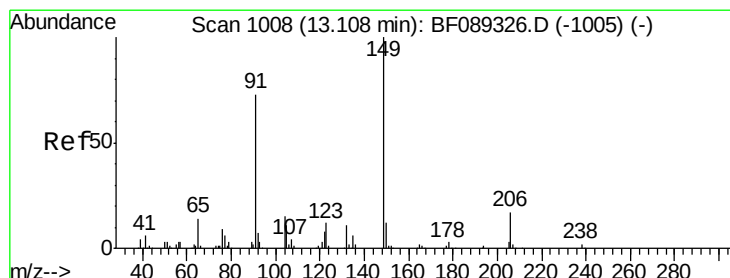
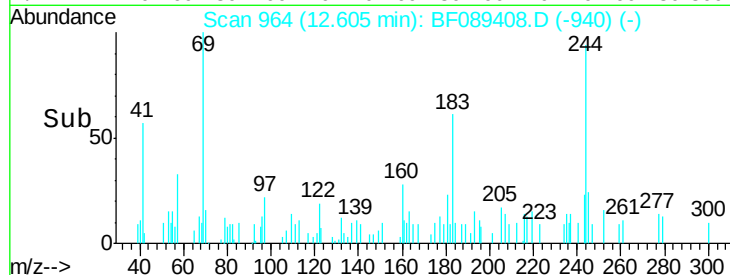
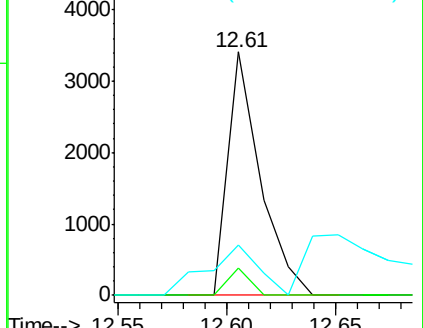
122 20.5 11.4 17.0#



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



#79

Butylbenzylphthalate

Concen: 4.34 ng

RT: 13.06 min Scan# 1004

Delta R.T. -0.05 min

Lab File: BF089408.D

Acq: 29 Jul 2016 13:16

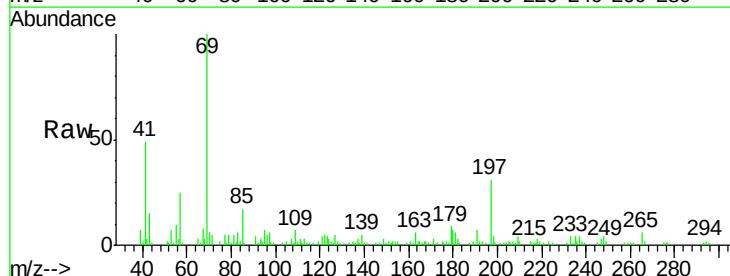
Tgt Ion:149 Resp: 2564

Ion Ratio Lower Upper

149 100

91 123.8 58.5 87.7#

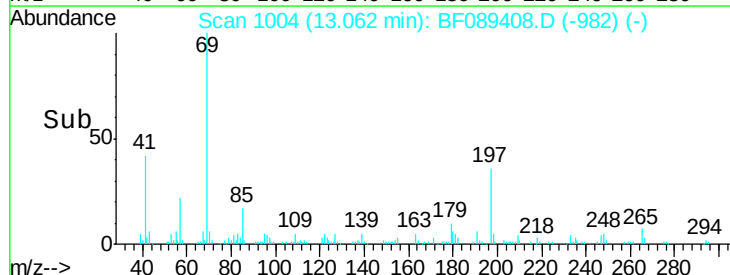
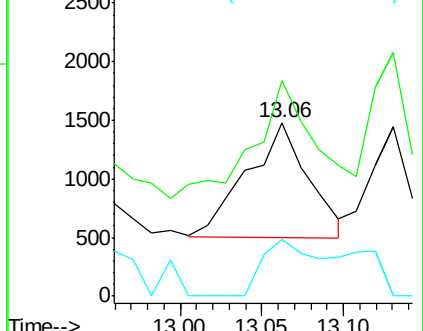
206 32.6 13.8 20.8#

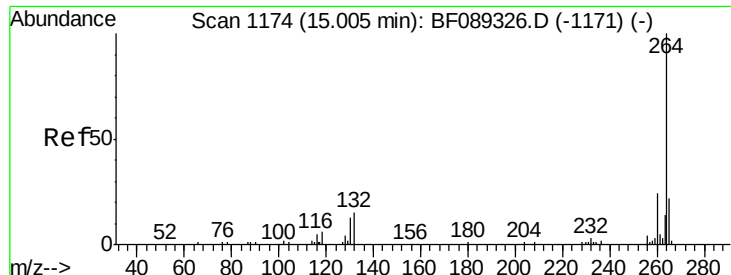


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

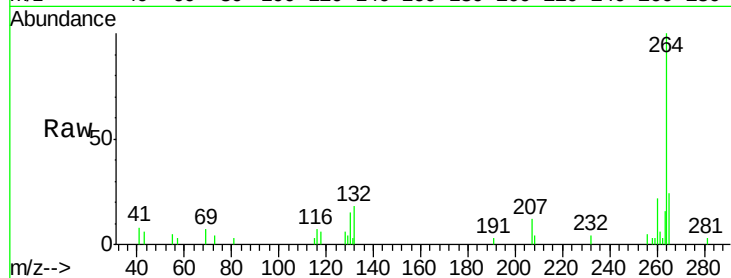




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089408.D
Acq: 29 Jul 2016 13:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.0	28.4
265	24.2	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

