

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089493.D
 Acq On : 1 Aug 2016 4:02
 Operator : UM/SJ
 Sample : H4222-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 01 07:14:56 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 04:11:30 2016
 Response via : Initial Calibration

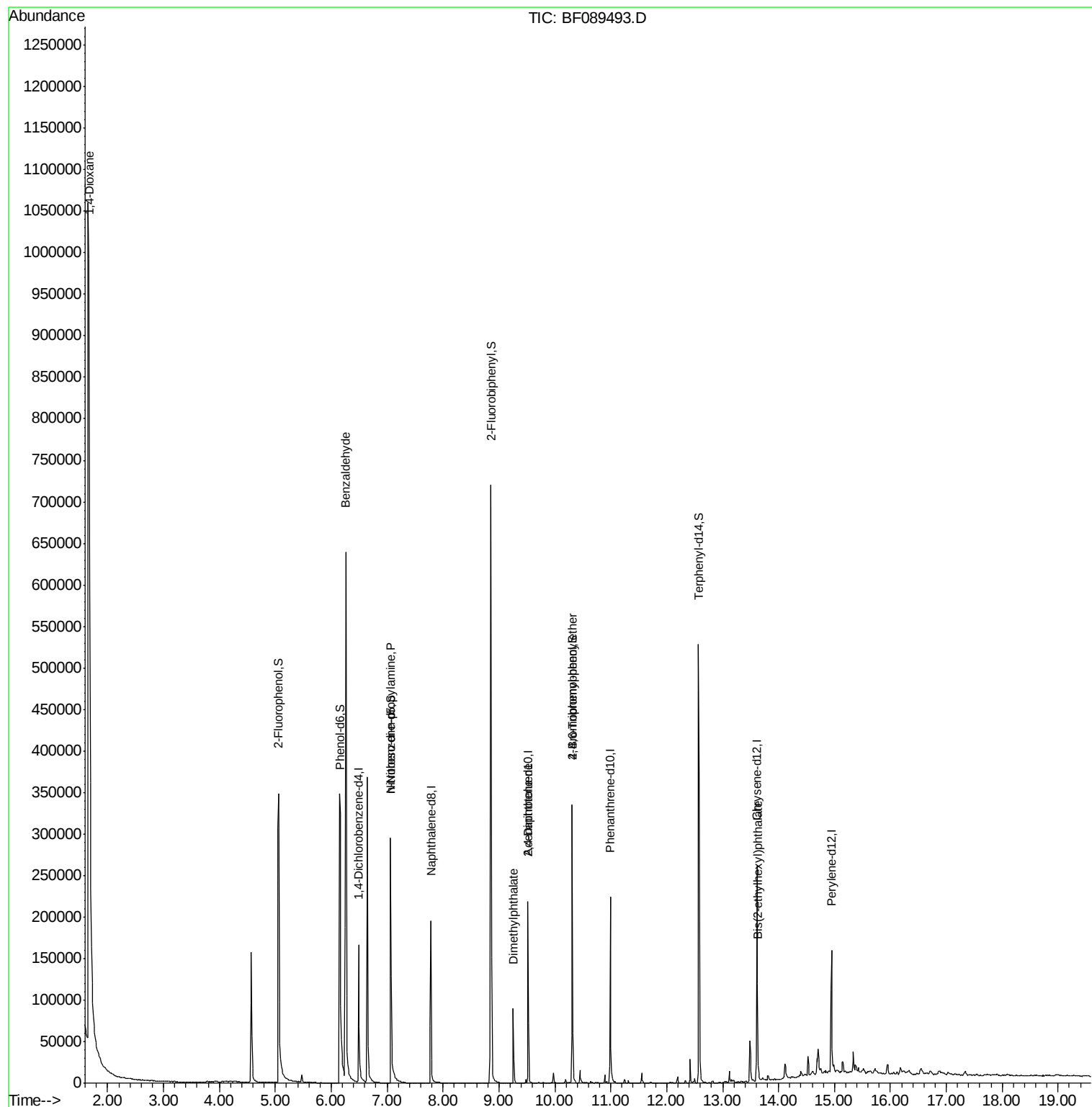
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	34920	20.00	ng	-0.01
21) Naphthalene-d8	7.78	136	119833	20.00	ng	-0.01
38) Acenaphthene-d10	9.52	164	45977	20.00	ng	-0.01
63) Phenanthrene-d10	10.99	188	92294	20.00	ng	-0.01
75) Chrysene-d12	13.61	240	93564	20.00	ng	-0.01
86) Perylene-d12	14.95	264	73127	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	192141	87.86	ng	0.00
7) Phenol-d6	6.16	99	245248	84.86	ng	-0.01
23) Nitrobenzene-d5	7.06	82	145155	71.50	ng	-0.02
41) 2,4,6-Tribromophenol	10.31	330	37837	99.36	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	233129	74.41	ng	-0.01
78) Terphenyl-d14	12.57	244	219113	54.81	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	1.67	88	70029	73.63	ng	# 26
9) Benzaldehyde	6.26	77	4877	3.46	ng	# 78
19) n-Nitroso-di-n-propylamine	7.06	70	18454	10.59	ng	# 81
49) Dimethylphthalate	9.26	163	40873	11.68	ng	98
56) 2,4-Dinitrotoluene	9.52	165	5575	5.89	ng	# 7
66) 4-Bromophenyl-phenylether	10.31	248	2594	2.94	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.62	149	10061	2.16	ng	# 98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF089493.D

Acq: 1 Aug 2016 4:02

Instrument :

BNA_F

ClientSampleId :

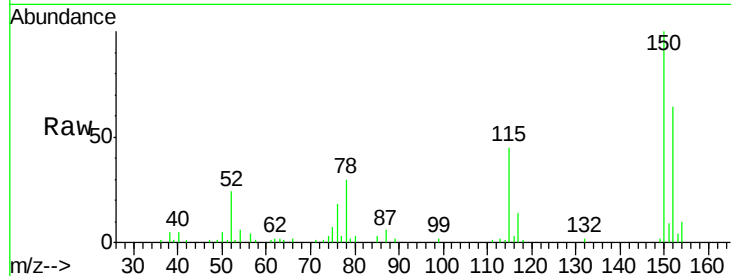
Tot Ion:152 Resp: 34920

Ion Ratio Lower Upper

152 100

150 156.8 129.5 194.3

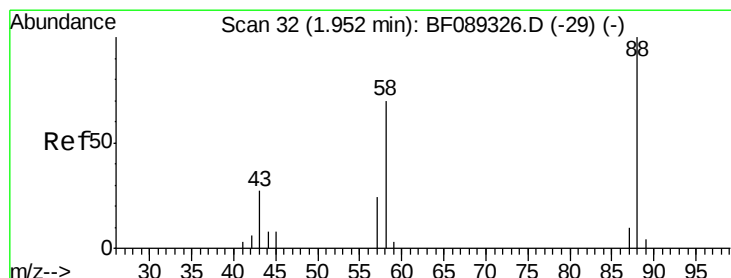
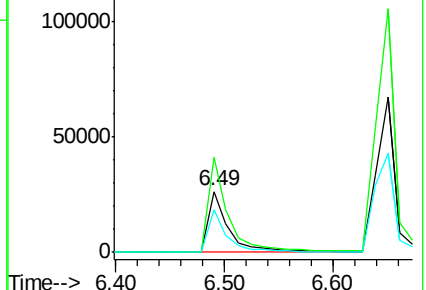
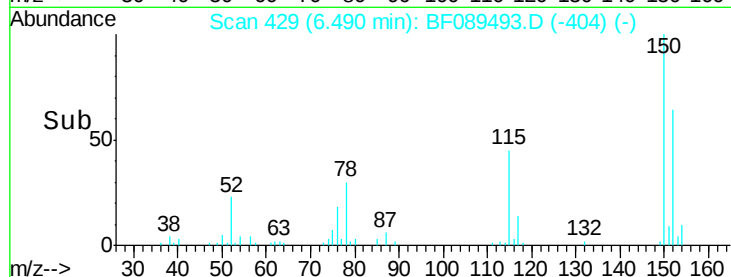
115 69.9 51.4 77.2



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: 73.63 ng

RT: 1.67 min Scan# 7

Delta R.T. -0.23 min

Lab File: BF089493.D

Acq: 1 Aug 2016 4:02

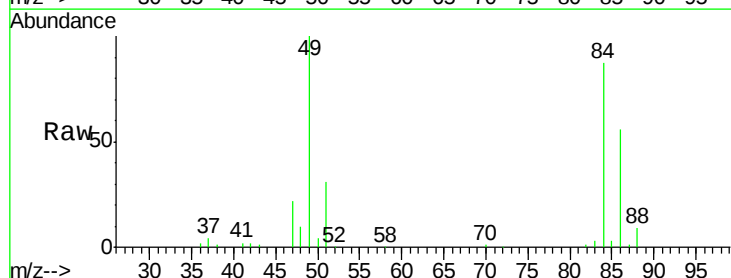
Tgt Ion: 88 Resp: 70029

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

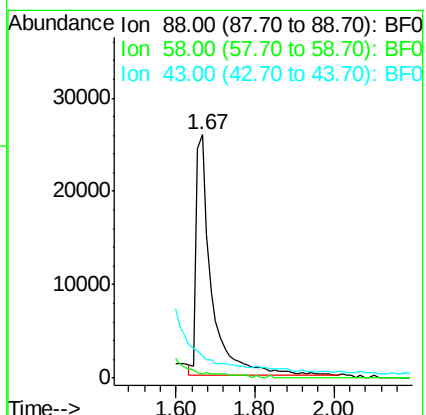
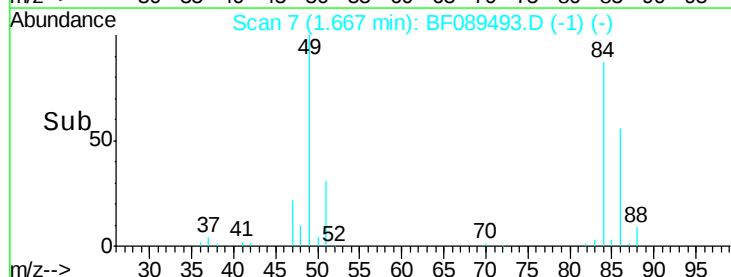
43 0.0 20.6 31.0#

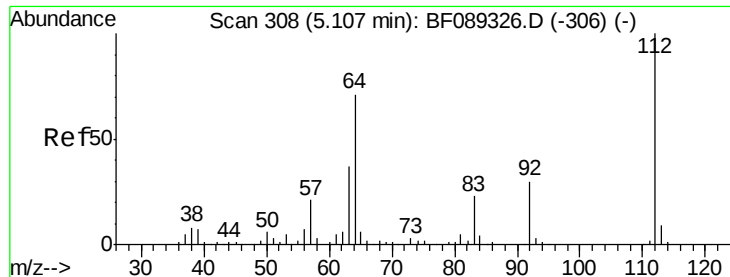


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 87.86 ng

RT: 5.06 min Scan# 304

Delta R.T. 0.00 min

Lab File: BF089493.D

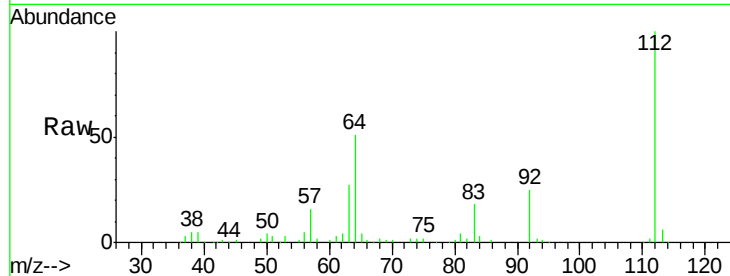
Acq: 1 Aug 2016 4:02

Instrument :

BNA_F

ClientSampled :

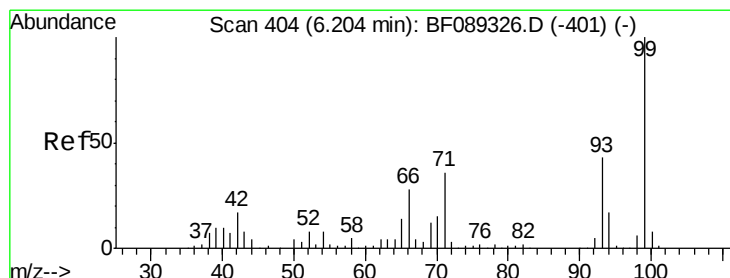
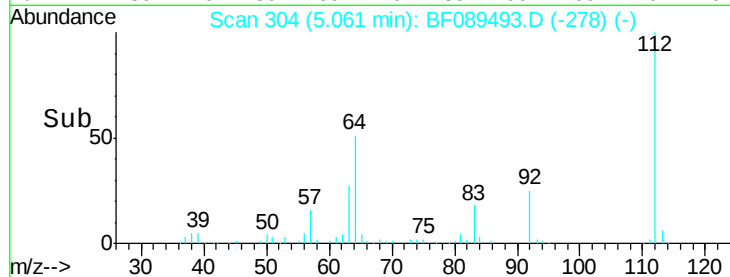
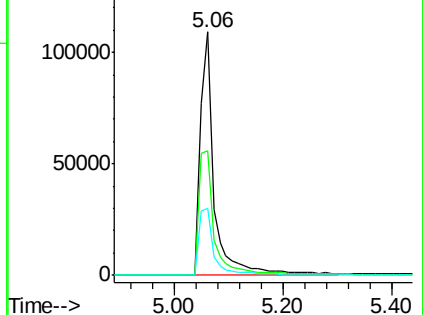
Tot Ion:	112	Resp:	192141
Ion Ratio	Lower	Upper	
112	100		
64	51.4	55.0	82.6#
63	27.3	29.4	44.2#



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: 84.86 ng

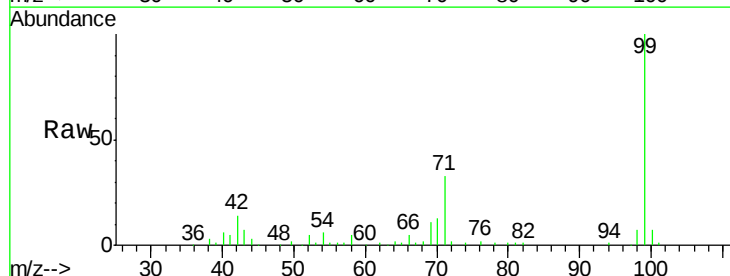
RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF089493.D

Acq: 1 Aug 2016 4:02

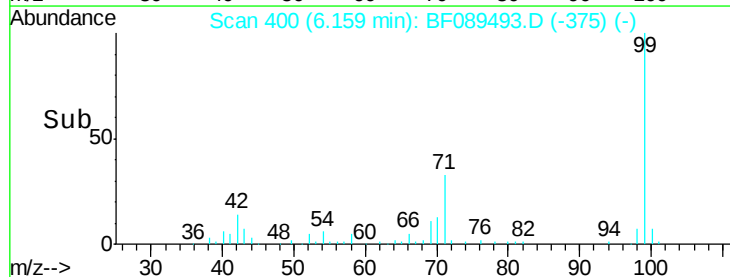
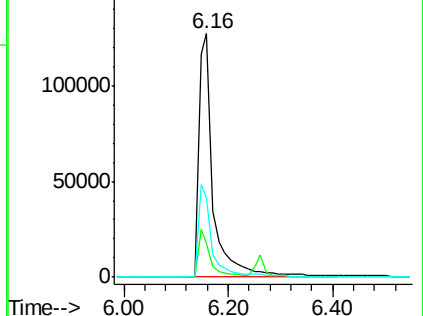
Tgt Ion:	99	Resp:	245248
Ion Ratio	Lower	Upper	
99	100		
42	14.0	13.6	20.4
71	32.5	29.4	44.2

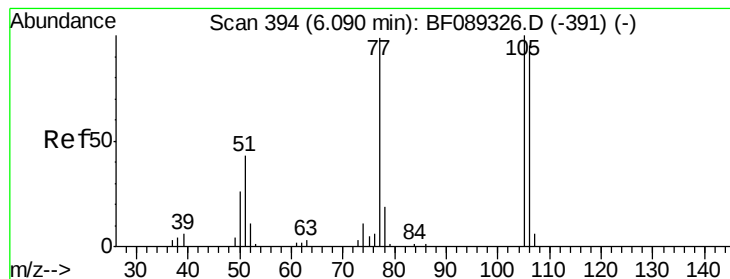


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyd

Concen: 3.46 ng

RT: 6.26 min Scan# 409

Delta R.T. 0.22 min

Lab File: BF089493.D

Acq: 1 Aug 2016 4:02

Instrument :

BNA_F

ClientSampleId :

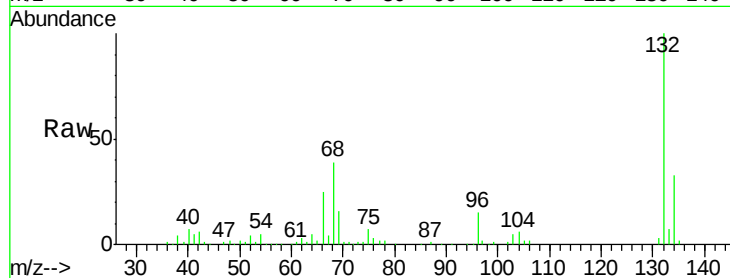
Tot Ion: 77 Resp: 4877

Ion Ratio Lower Upper

77 100

105 81.1 82.9 122.9#

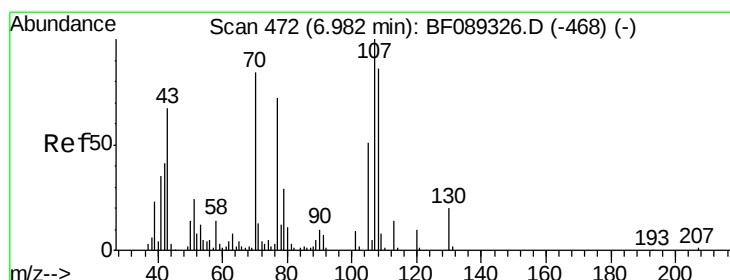
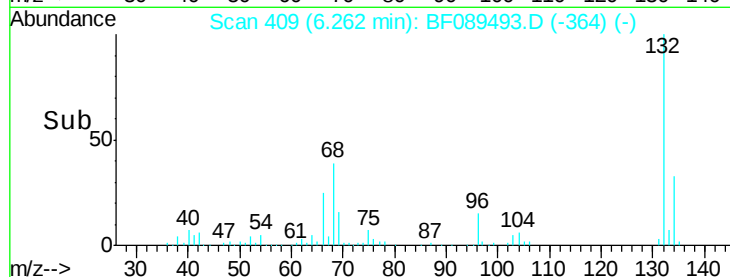
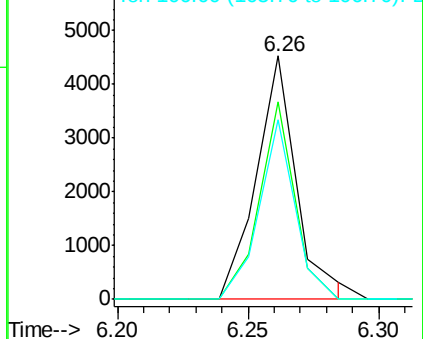
106 74.0 75.9 115.9#



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.59 ng

RT: 7.06 min Scan# 479

Delta R.T. 0.13 min

Lab File: BF089493.D

Acq: 1 Aug 2016 4:02

Tgt Ion: 70 Resp: 18454

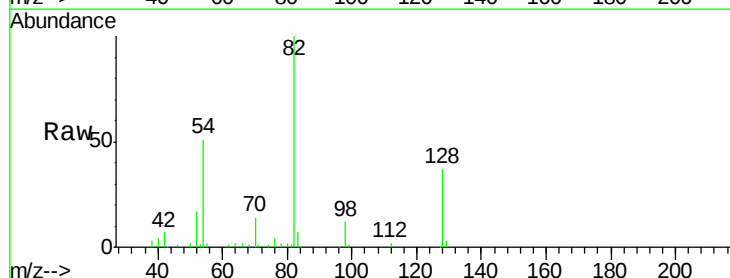
Ion Ratio Lower Upper

70 100

42 50.2 38.6 57.8

101 0.0 8.3 12.5#

130 0.0 19.0 28.4#

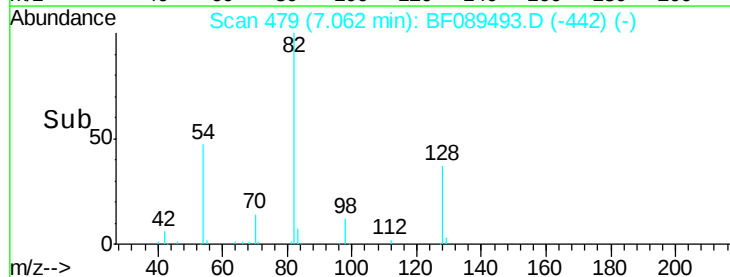
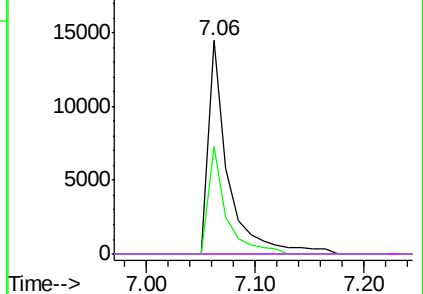


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

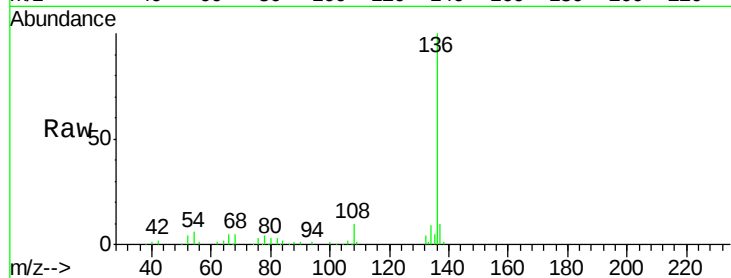




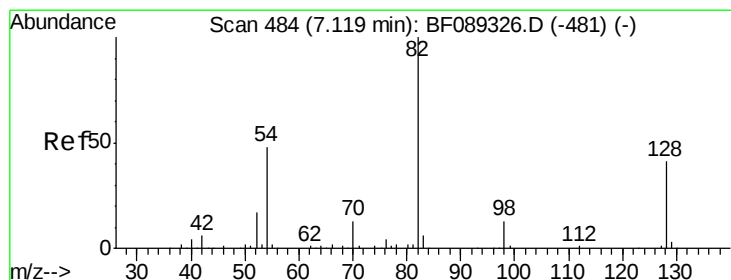
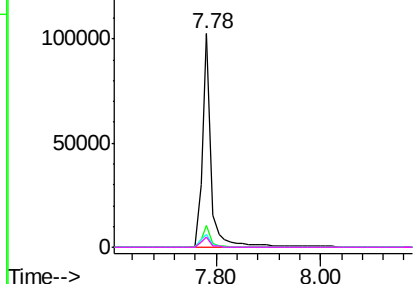
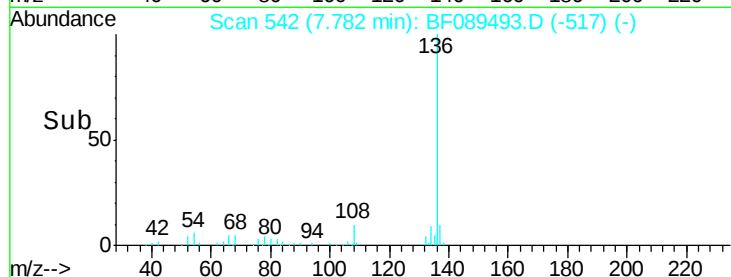
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.78 min Scan# 542
Delta R.T. -0.01 min
Lab File: BF089493.D
Acq: 1 Aug 2016 4:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	119833
Ion Ratio	Lower	Upper
136	100	
137	10.2	8.6 13.0
54	6.1	7.0 10.4#
68	5.0	4.9 7.3

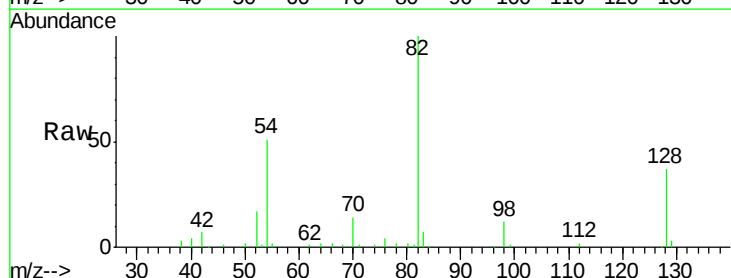


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

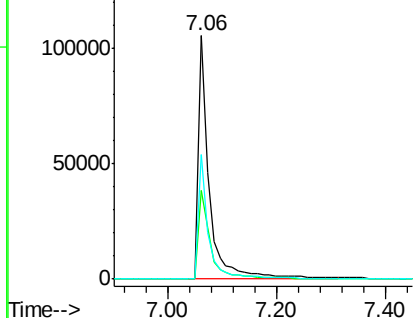
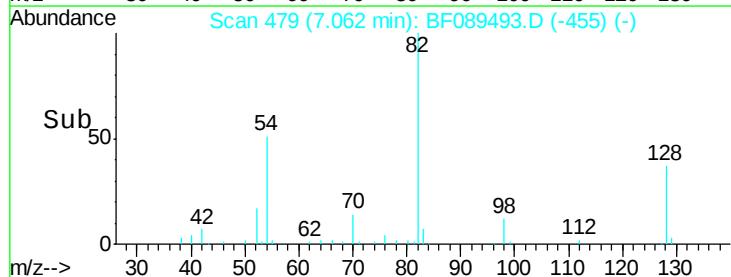


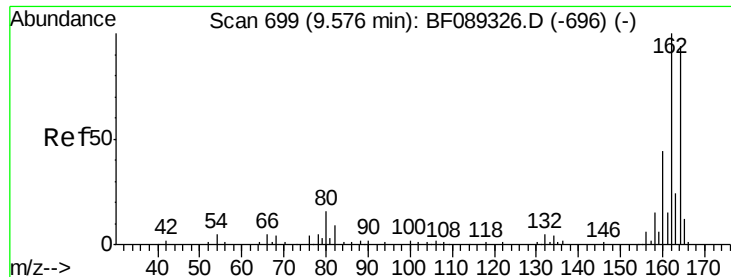
#23
Nitrobenzene-d5
Concen: 71.50 ng
RT: 7.06 min Scan# 479
Delta R.T. -0.02 min
Lab File: BF089493.D
Acq: 1 Aug 2016 4:02

Tgt Ion: 82	Resp:	145155
Ion Ratio	Lower	Upper
82	100	
128	36.7	32.5 48.7
54	51.0	38.8 58.2



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

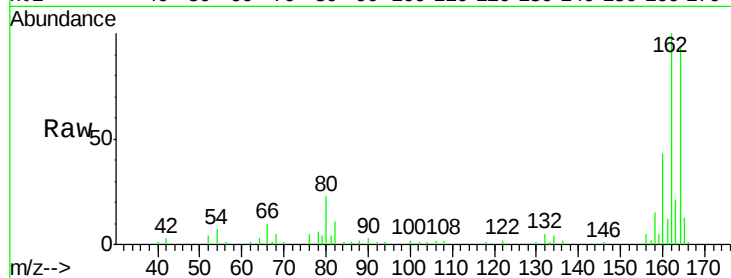




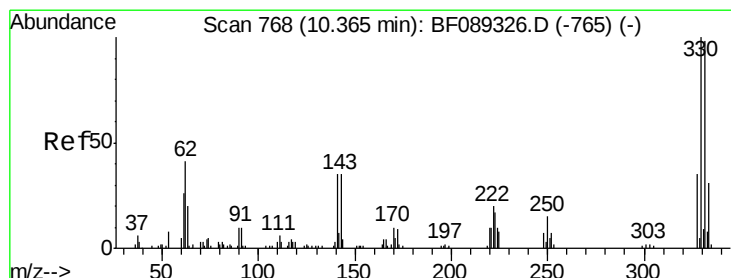
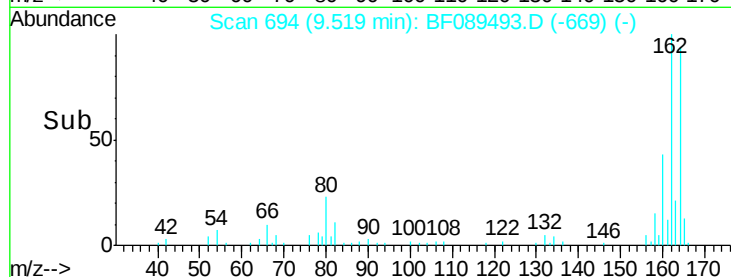
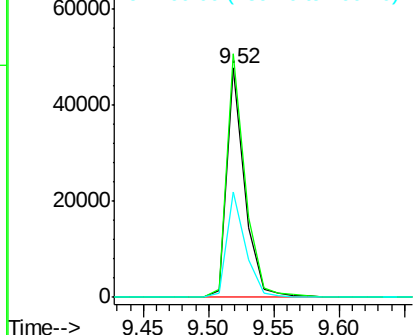
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.01 min
 Lab File: BF089493.D
 Acq: 1 Aug 2016 4:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 45977
 Ion Ratio Lower Upper
 164 100
 162 106.1 83.7 125.5
 160 45.9 37.8 56.6

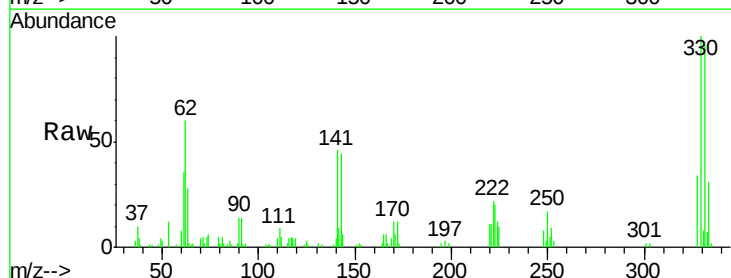


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

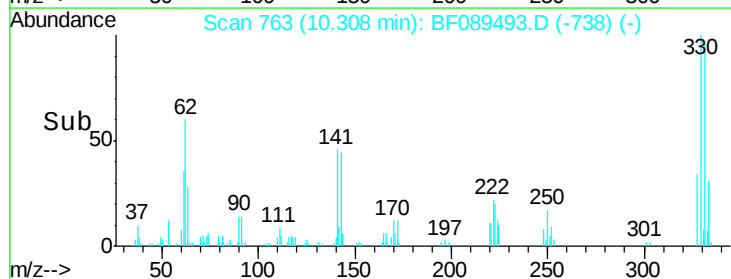
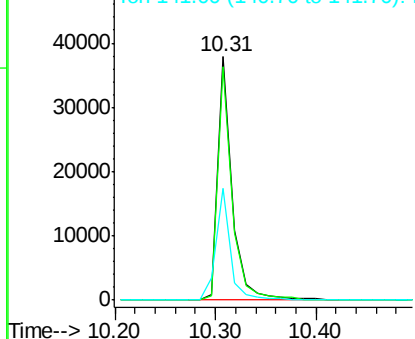


#41
 2,4,6-Tribromophenol
 Concen: 99.36 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BF089493.D
 Acq: 1 Aug 2016 4:02

Tgt Ion:330 Resp: 37837
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.8 115.2
 141 46.3 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

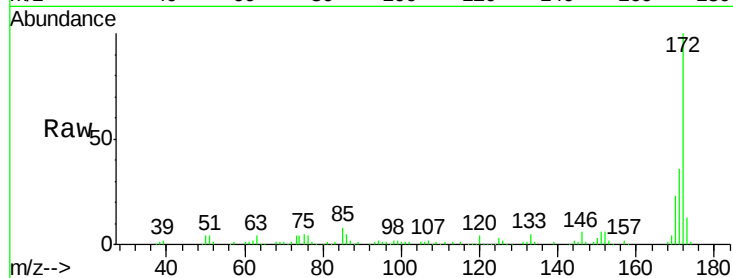




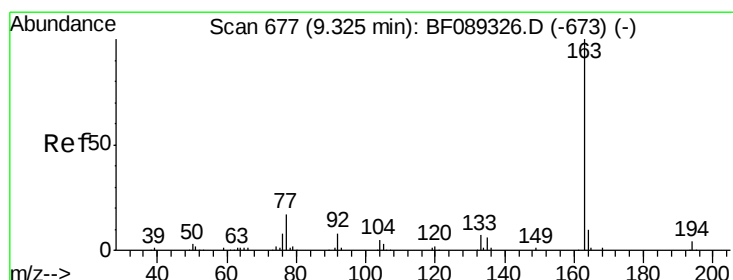
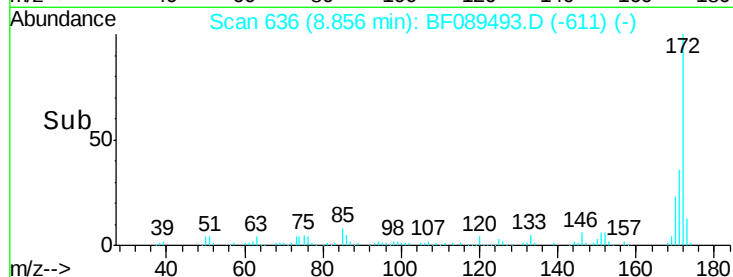
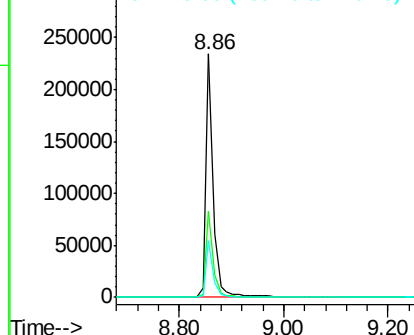
#44
2-Fluorobiphenyl
Concen: 74.41 ng
RT: 8.86 min Scan# 636
Delta R.T. -0.01 min
Lab File: BF089493.D
Acq: 1 Aug 2016 4:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 233129
Ion Ratio Lower Upper
172 100
171 35.5 29.2 43.8
170 23.3 19.2 28.8

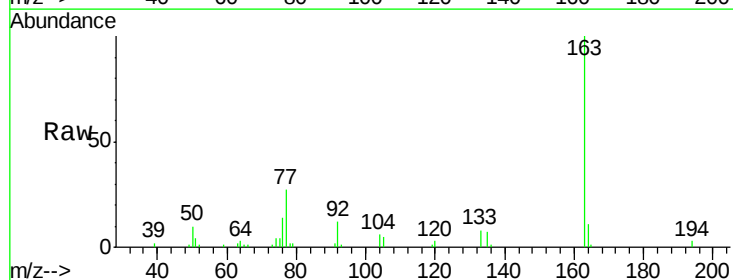


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

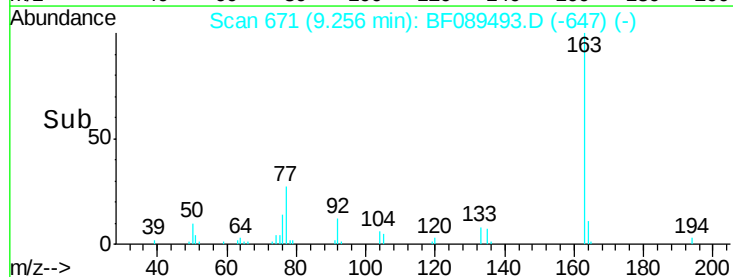
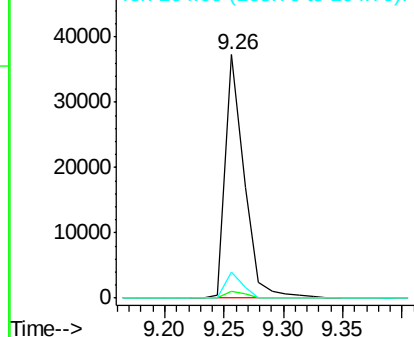


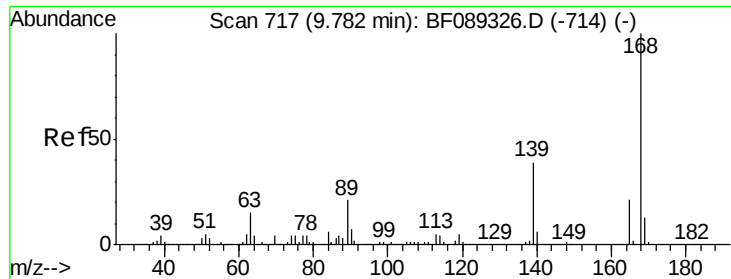
#49
Dimethylphthalate
Concen: 11.68 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.02 min
Lab File: BF089493.D
Acq: 1 Aug 2016 4:02

Tgt Ion:163 Resp: 40873
Ion Ratio Lower Upper
163 100
194 3.0 2.8 4.2
164 10.6 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

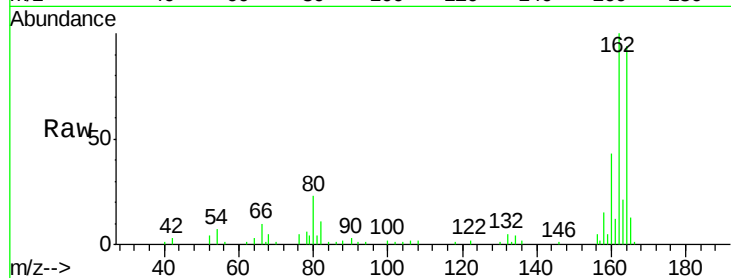




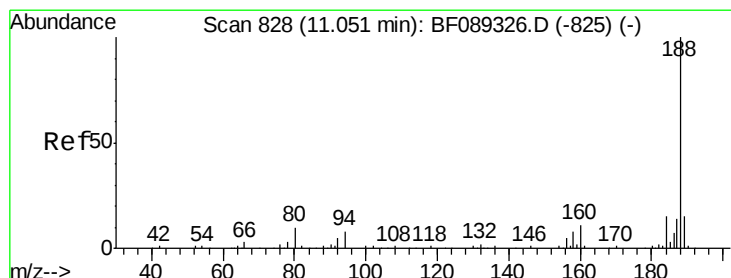
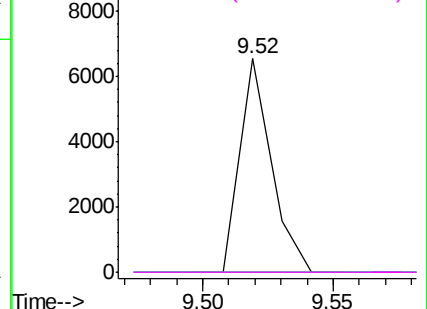
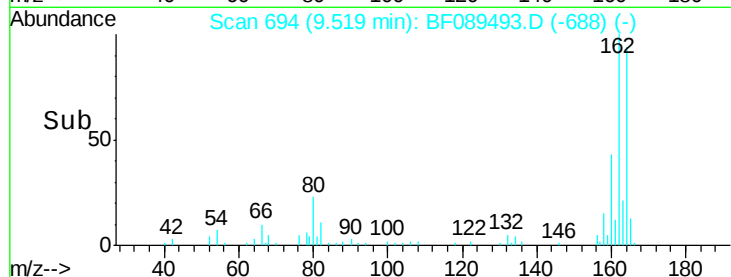
#56
 2,4-Dinitrotoluene
 Concen: 5.89 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.23 min
 Lab File: BF089493.D
 Acq: 1 Aug 2016 4:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 5575
 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#

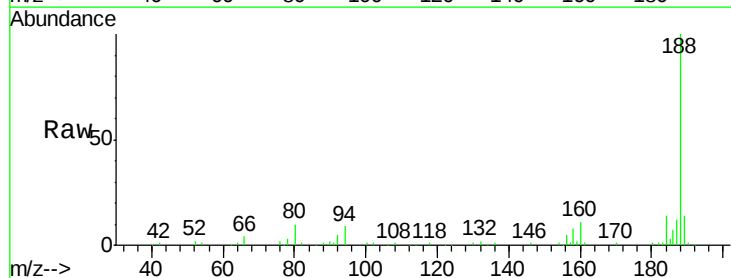


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

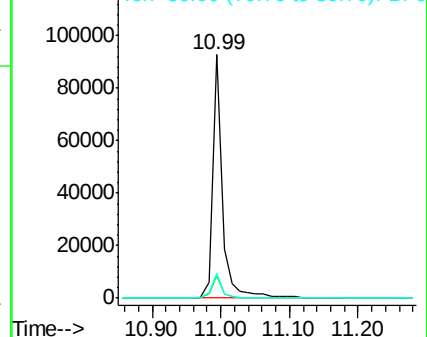
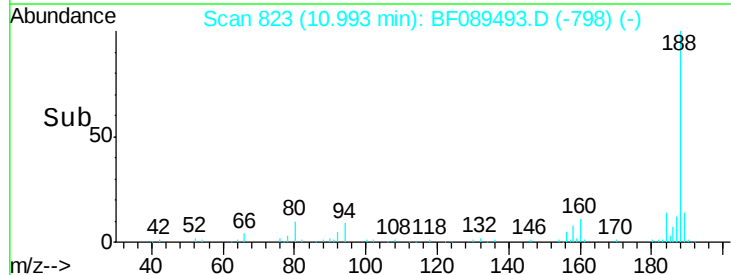


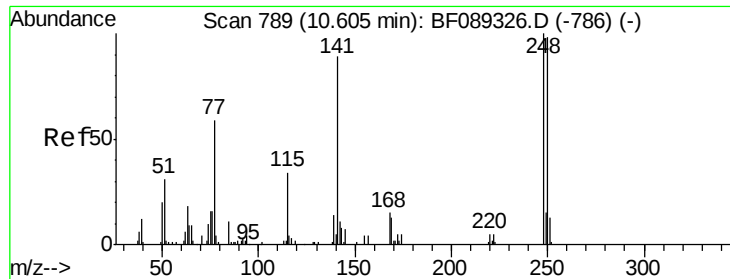
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.99 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BF089493.D
 Acq: 1 Aug 2016 4:02

Tgt Ion:188 Resp: 92294
 Ion Ratio Lower Upper
 188 100
 94 9.1 6.5 9.7
 80 10.4 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

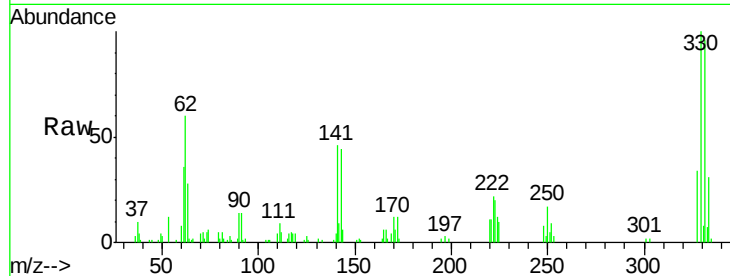




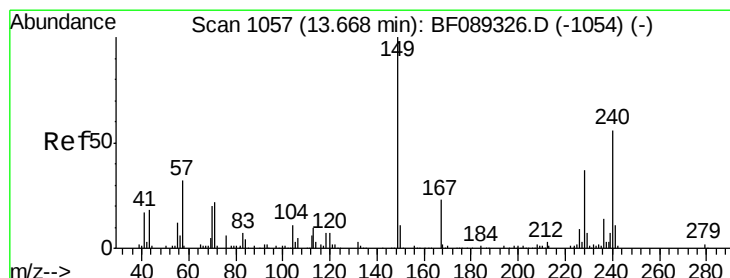
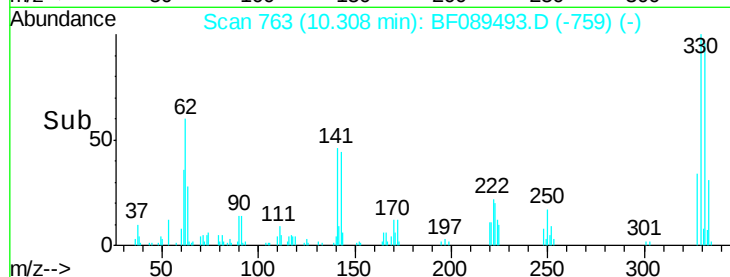
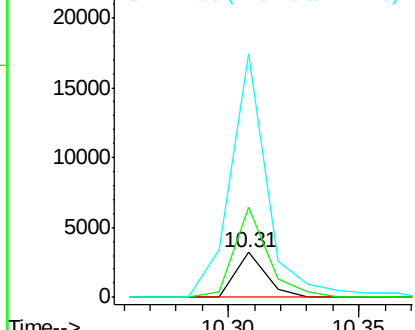
#66
4-Bromophenyl-phenylether
Concen: 2.94 ng
RT: 10.31 min Scan# 763
Delta R.T. -0.25 min
Lab File: BF089493.D
Acq: 1 Aug 2016 4:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 2594
Ion Ratio Lower Upper
248 100
250 201.9 78.2 117.2#
141 544.5 62.0 93.0#

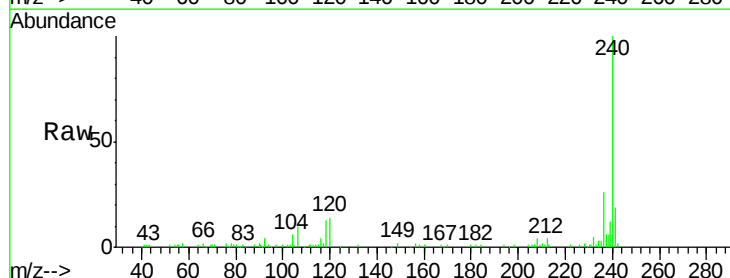


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

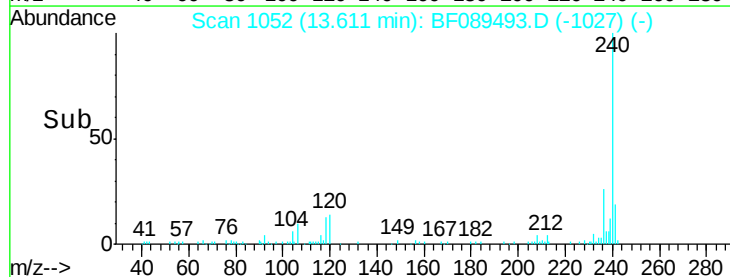
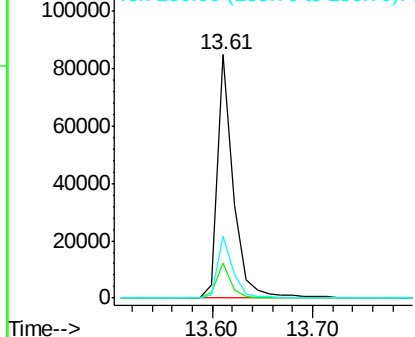


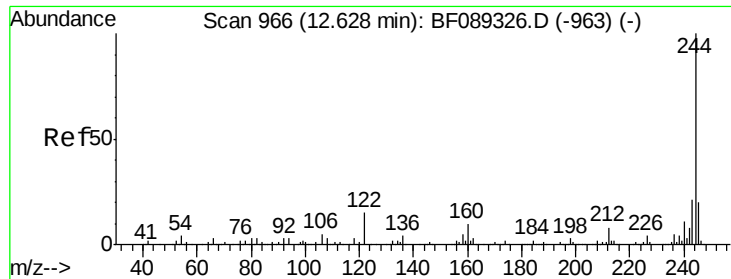
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.61 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF089493.D
Acq: 1 Aug 2016 4:02

Tgt Ion:240 Resp: 93564
Ion Ratio Lower Upper
240 100
120 14.4 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

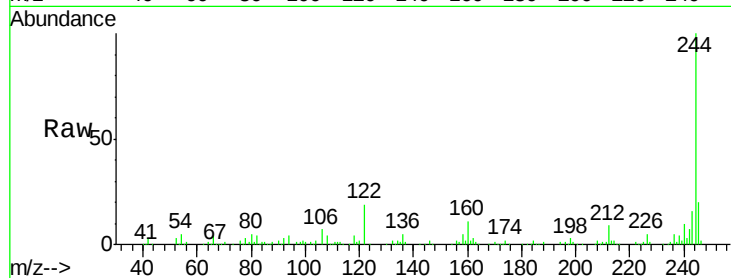




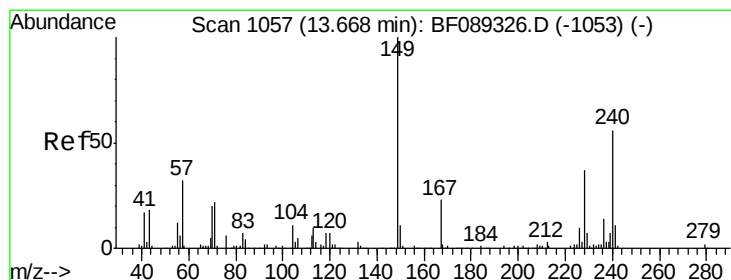
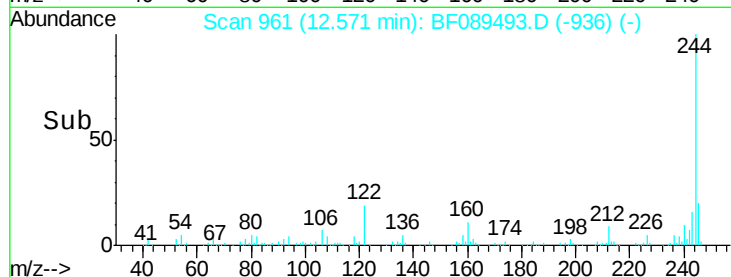
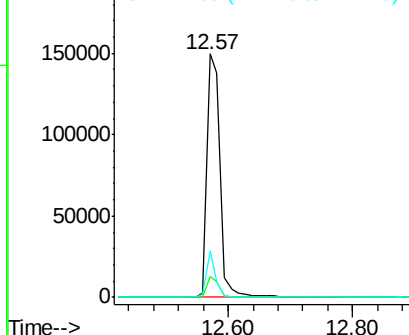
#78
 Terphenyl-d14
 Concen: 54.81 ng
 RT: 12.57 min Scan# 961
 Delta R.T. -0.01 min
 Lab File: BF089493.D
 Acq: 1 Aug 2016 4:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 219113
 Ion Ratio Lower Upper
 244 100
 212 8.7 6.5 9.7
 122 19.2 11.4 17.0#

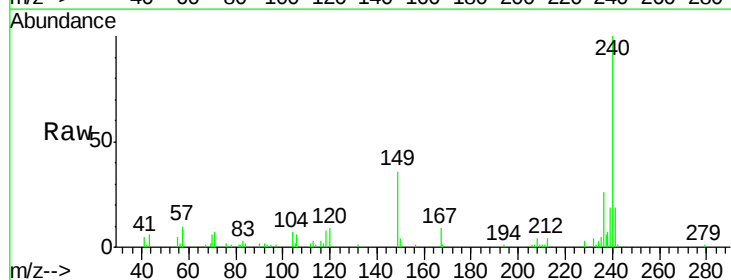


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

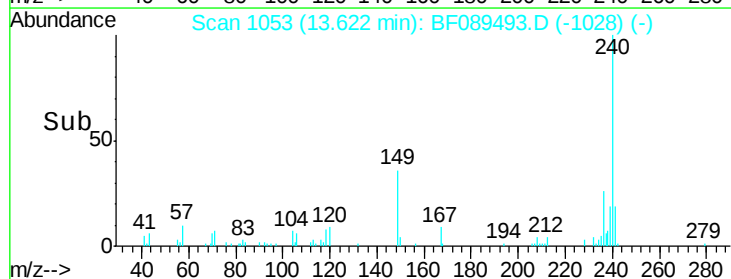
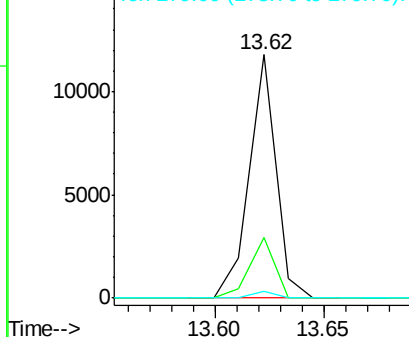


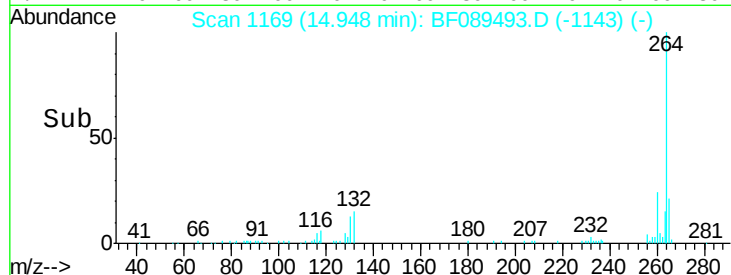
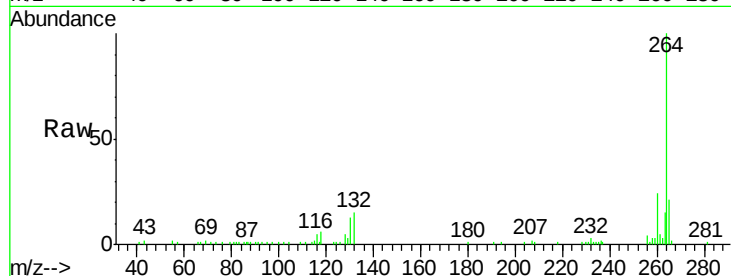
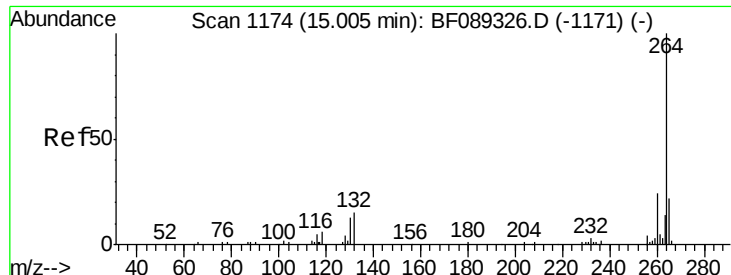
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.16 ng
 RT: 13.62 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: BF089493.D
 Acq: 1 Aug 2016 4:02

Tgt Ion:149 Resp: 10061
 Ion Ratio Lower Upper
 149 100
 167 24.6 18.8 28.2
 279 2.7 1.4 2.0#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.95 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF089493.D
Acq: 1 Aug 2016 4:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	73127
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	21.2	17.5	26.3

