

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
 Data File : BF089429.D
 Acq On : 30 Jul 2016 1:10
 Operator : UM/SJ
 Sample : H4221-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-14.0-15.0

Quant Time: Jul 30 02:26:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 30 01:00:15 2016
 Response via : Initial Calibration

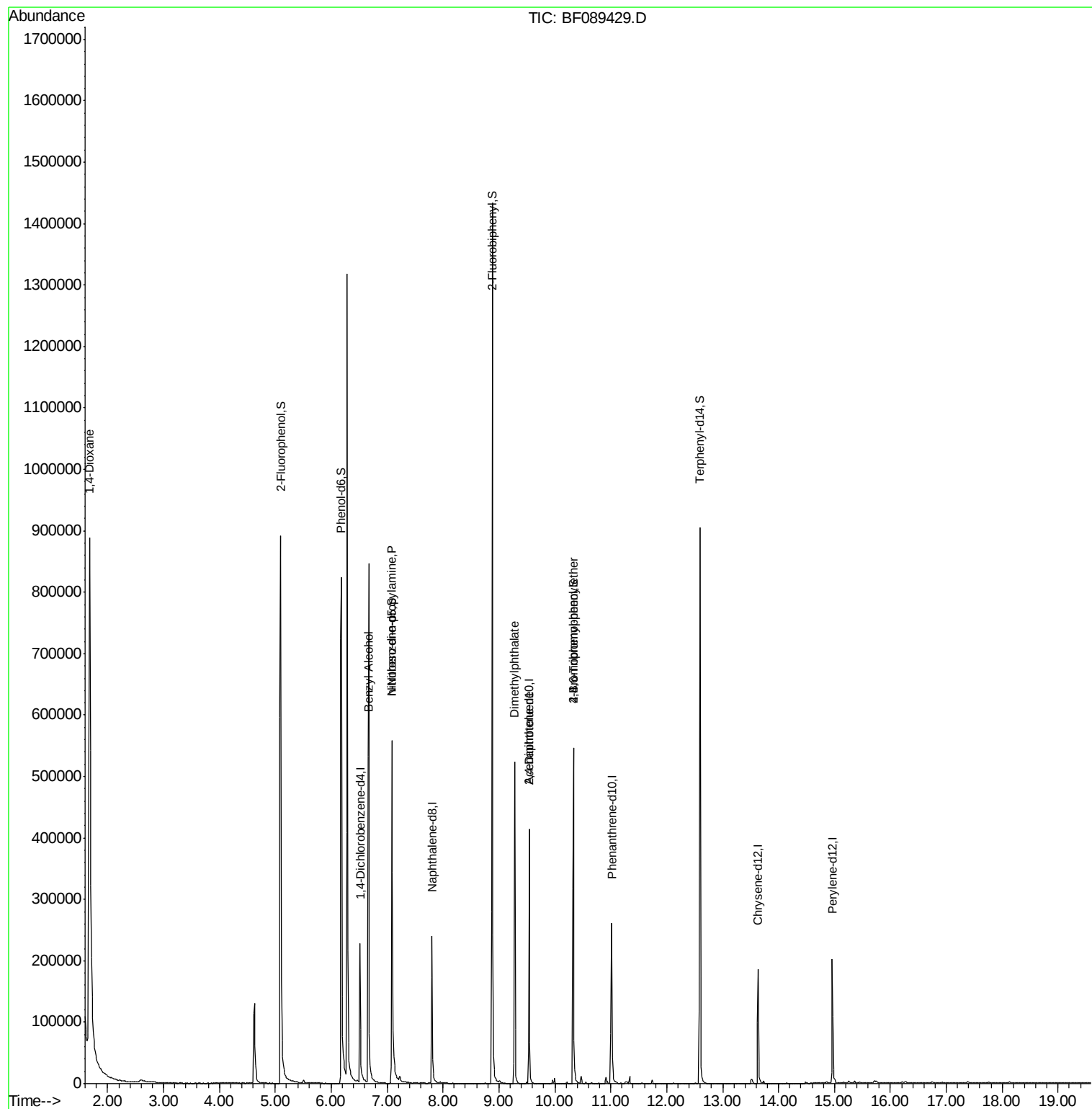
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	47398	20.00	ng	0.00
21) Naphthalene-d8	7.80	136	180882	20.00	ng	0.00
38) Acenaphthene-d10	9.54	164	83455	20.00	ng	0.00
63) Phenanthrene-d10	11.02	188	125150	20.00	ng	0.00
75) Chrysene-d12	13.63	240	90147	20.00	ng	0.00
86) Perylene-d12	14.96	264	96636	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	390024	131.39	ng	0.01
7) Phenol-d6	6.18	99	513601	130.92	ng	0.00
23) Nitrobenzene-d5	7.08	82	297556	97.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.33	330	77145	111.61	ng	0.00
44) 2-Fluorobiphenyl	8.88	172	483855	85.09	ng	0.00
78) Terphenyl-d14	12.59	244	286233	74.31	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	1.68	88	57329	42.88	ng	# 26
15) Benzyl Alcohol	6.66	79	5157	2.12	ng	# 52
19) n-Nitroso-di-n-propylamine	7.08	70	38293	16.19	ng	# 81
49) Dimethylphthalate	9.28	163	205180	32.30	ng	99
56) 2,4-Dinitrotoluene	9.54	165	9898	5.76	ng	# 7
66) 4-Bromophenyl-phenylether	10.33	248	5527	4.63	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: 6.51 min Scan# 431

Delta R.T. 0.00 min

Lab File: BF089429.D

Acq: 30 Jul 2016 1:10

Instrument :

BNA_F

ClientSampleId :

SB-46-14.0-15.0

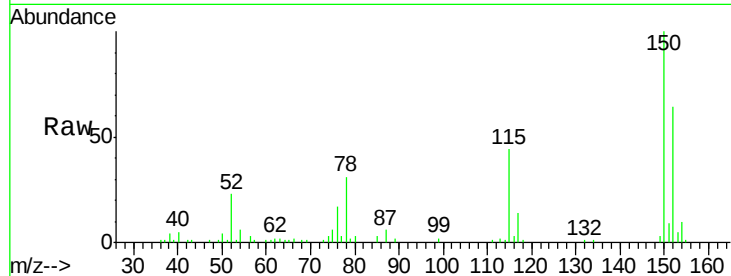
Tgt Ion:152 Resp: 47398

Ion Ratio Lower Upper

152 100

150 157.5 129.5 194.3

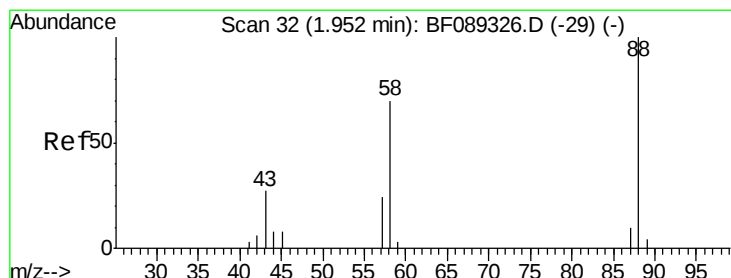
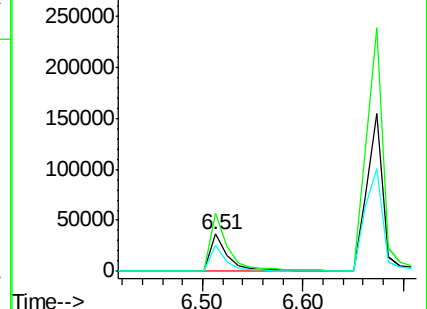
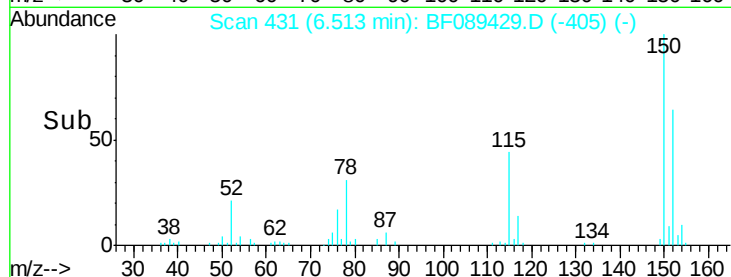
115 68.7 51.4 77.2



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: 42.88 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.24 min

Lab File: BF089429.D

Acq: 30 Jul 2016 1:10

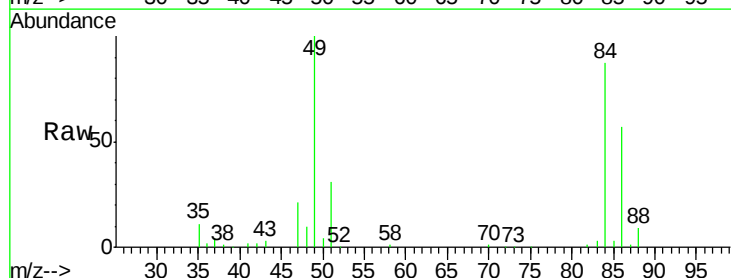
Tgt Ion: 88 Resp: 57329

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

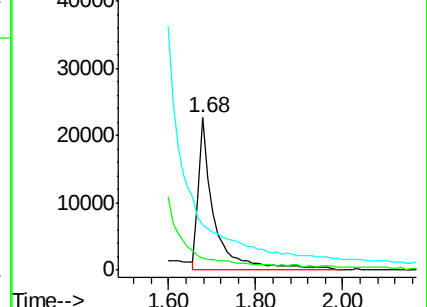
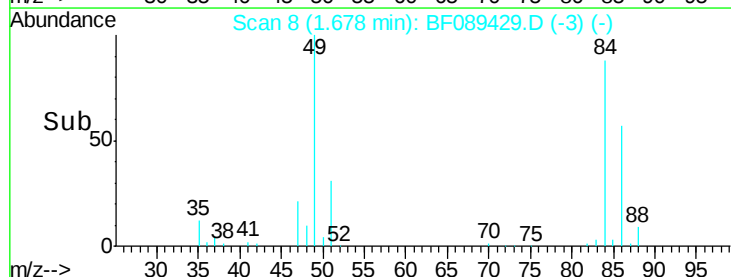
43 0.0 20.6 31.0#

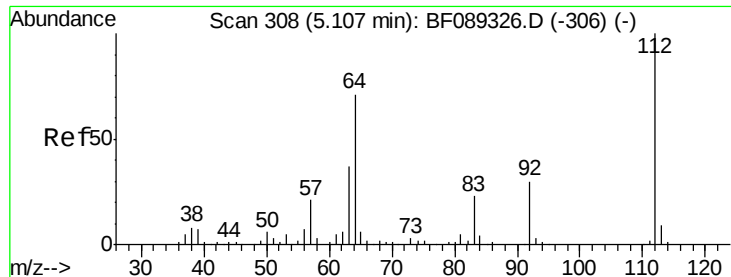


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 131.39 ng

RT: 5.10 min Scan# 307

Delta R.T. 0.01 min

Lab File: BF089429.D

Acq: 30 Jul 2016 1:10

Instrument :

BNA_F

ClientSampleId :

SB-46-14.0-15.0

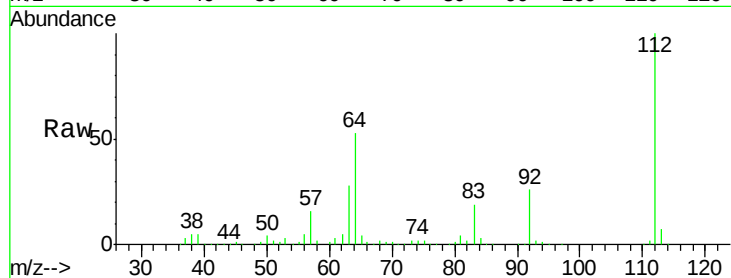
Tgt Ion: 112 Resp: 390024

Ion Ratio Lower Upper

112 100

64 52.8 55.0 82.6#

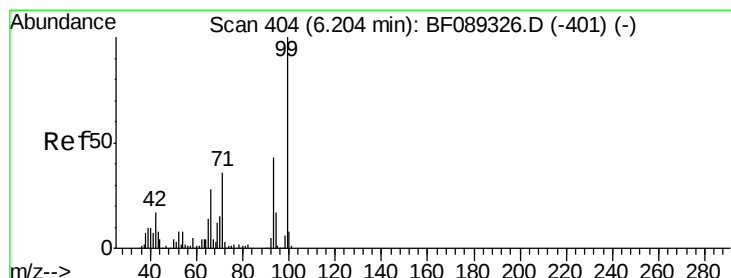
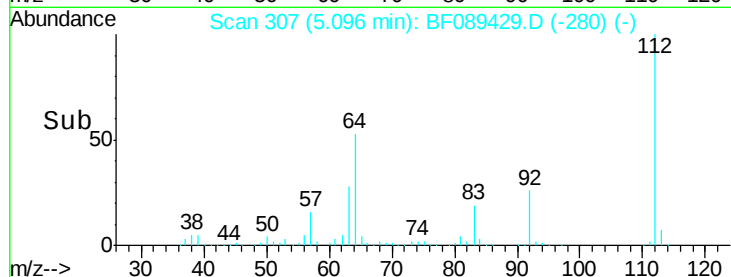
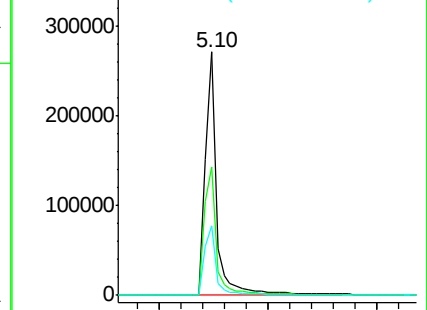
63 28.5 29.4 44.2#



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: 130.92 ng

RT: 6.18 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF089429.D

Acq: 30 Jul 2016 1:10

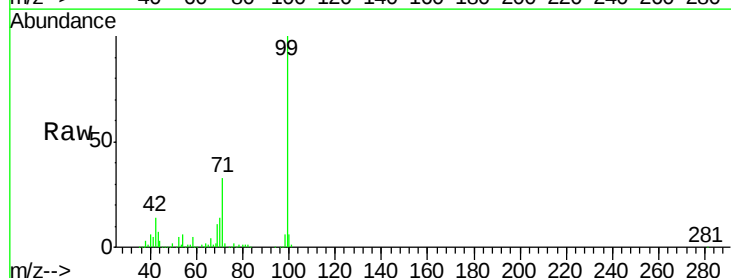
Tgt Ion: 99 Resp: 513601

Ion Ratio Lower Upper

99 100

42 14.0 13.6 20.4

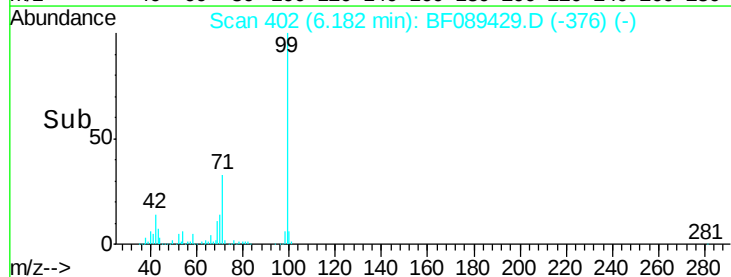
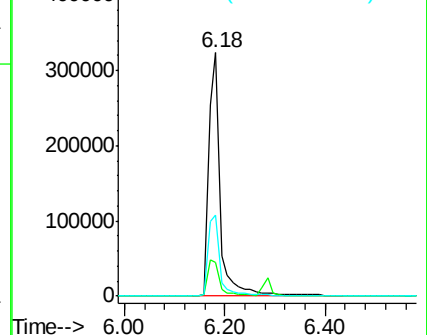
71 33.3 29.4 44.2

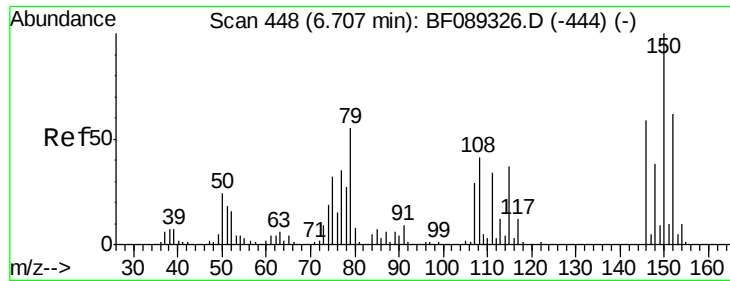


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.12 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF089429.D

Acq: 30 Jul 2016 1:10

Instrument :

BNA_F

ClientSampleId :

SB-46-14.0-15.0

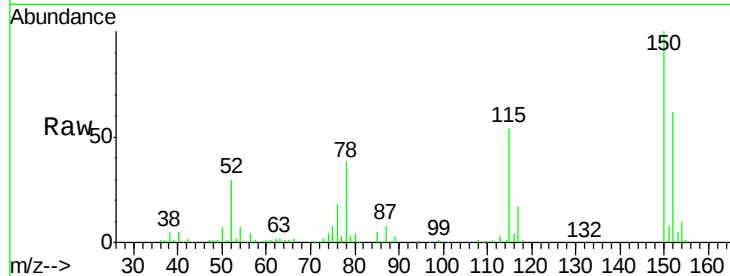
Tgt Ion: 79 Resp: 5157

Ion Ratio Lower Upper

79 100

108 20.5 59.8 89.6#

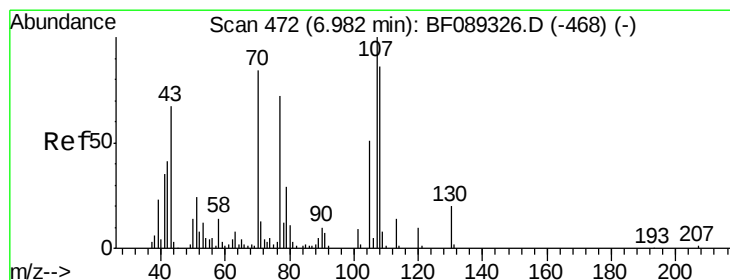
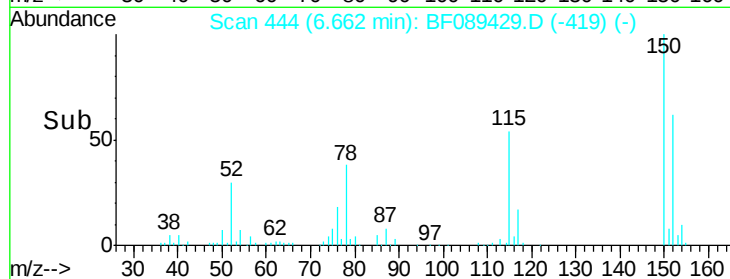
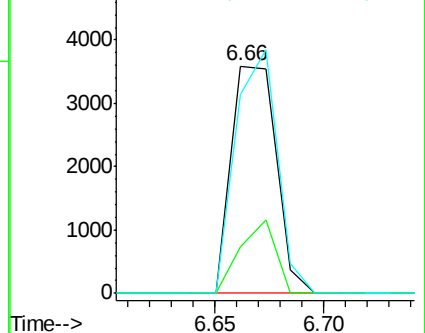
77 87.3 51.7 77.5#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.19 ng

RT: 7.08 min Scan# 481

Delta R.T. 0.14 min

Lab File: BF089429.D

Acq: 30 Jul 2016 1:10

Tgt Ion: 70 Resp: 38293

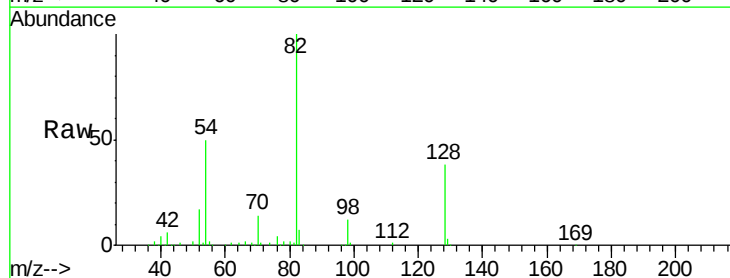
Ion Ratio Lower Upper

70 100

42 45.3 38.6 57.8

101 0.0 8.3 12.5#

130 1.8 19.0 28.4#

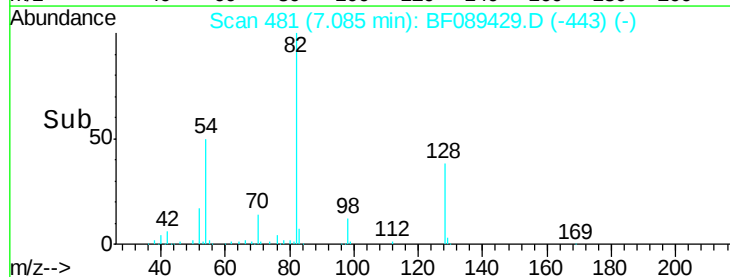
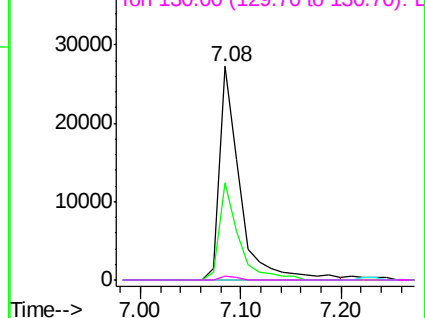


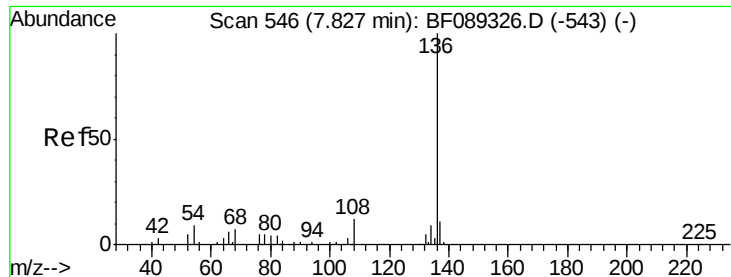
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

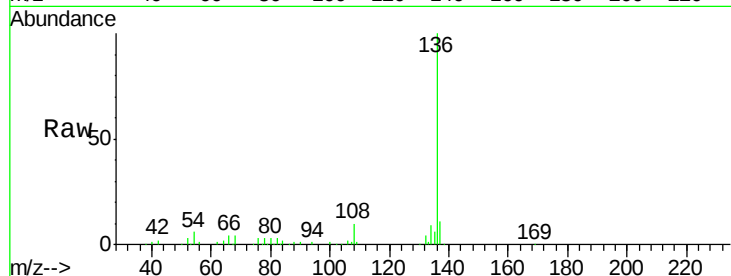




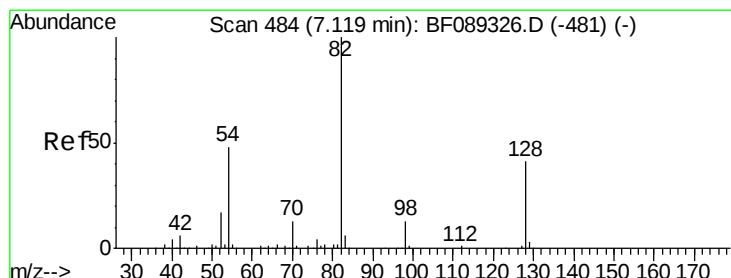
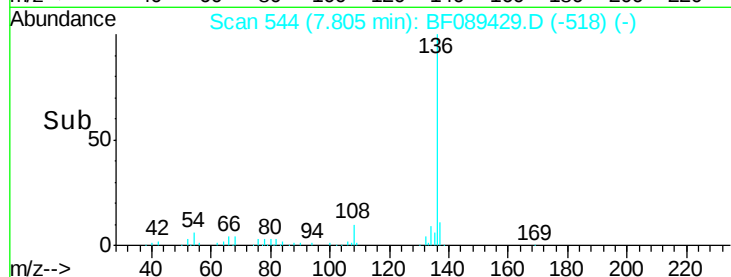
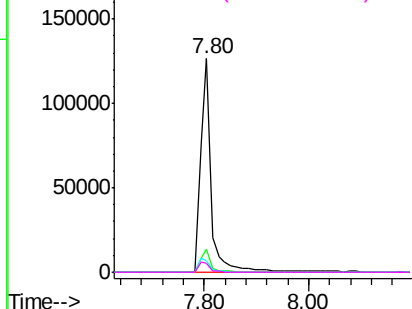
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. 0.00 min
Lab File: BF089429.D
Acq: 30 Jul 2016 1:10

Instrument :
BNA_F
ClientSampleId :
SB-46-14.0-15.0

Tgt Ion:	136	Resp:	180882
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	5.5	7.0	10.4#
68	4.4	4.9	7.3#

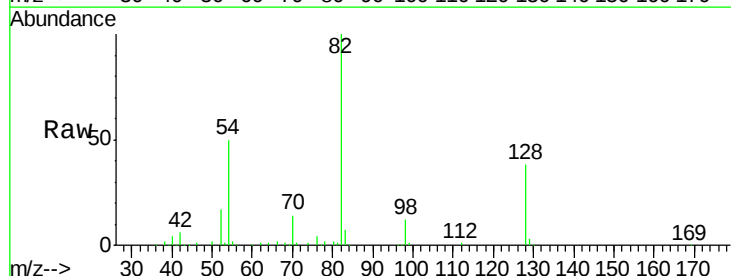


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

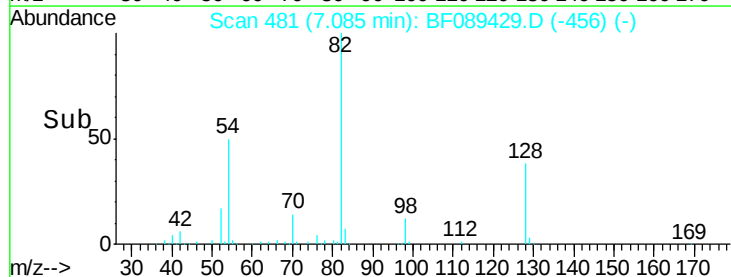
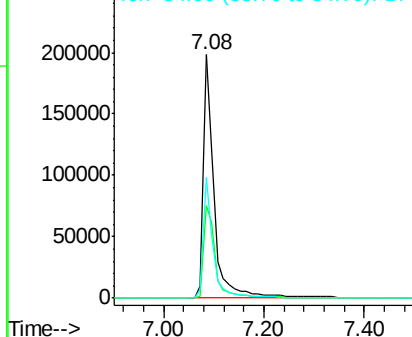


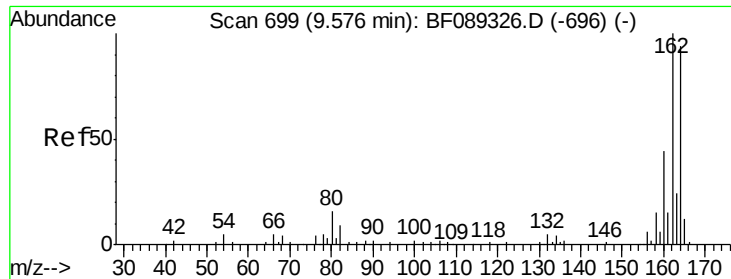
#23
Nitrobenzene-d5
Concen: 97.10 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.01 min
Lab File: BF089429.D
Acq: 30 Jul 2016 1:10

Tgt Ion:	82	Resp:	297556
Ion Ratio	Lower	Upper	
82	100		
128	37.9	32.5	48.7
54	49.8	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

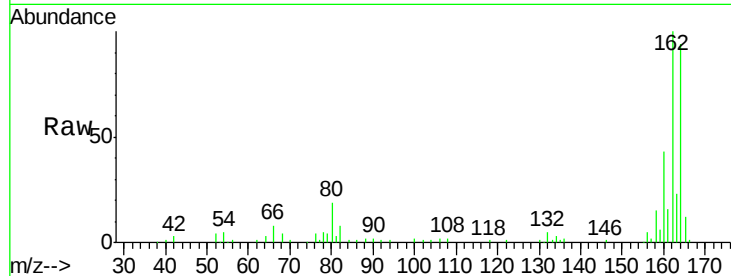




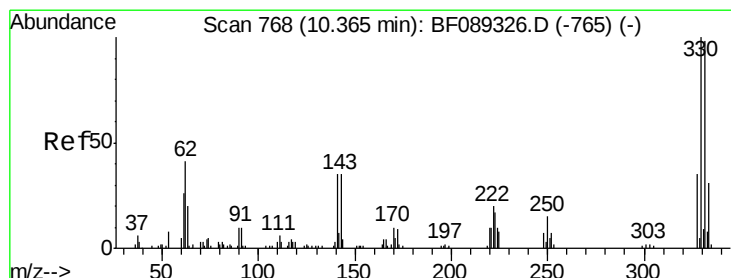
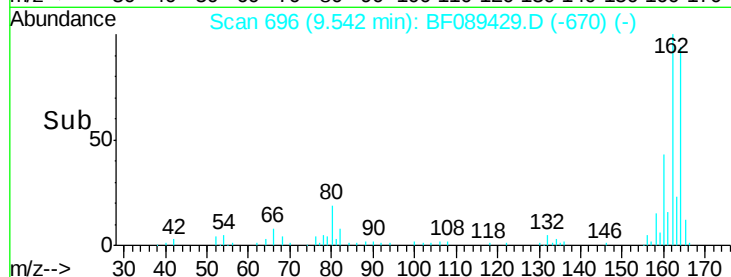
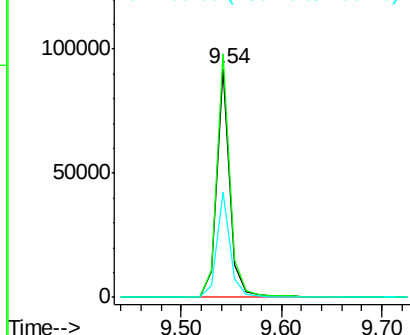
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: BF089429.D
 Acq: 30 Jul 2016 1:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-14.0-15.0

Tgt Ion:164 Resp: 83455
 Ion Ratio Lower Upper
 164 100
 162 106.6 83.7 125.5
 160 45.9 37.8 56.6

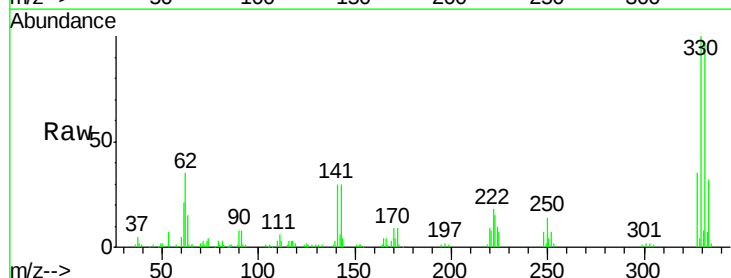


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

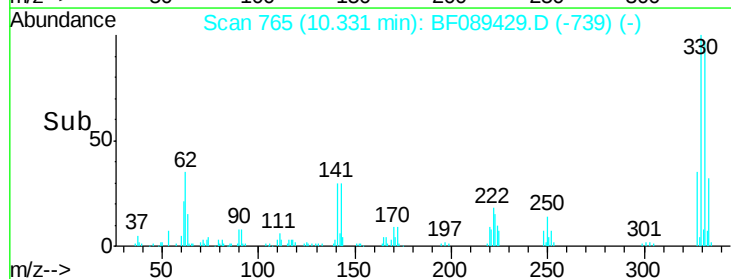
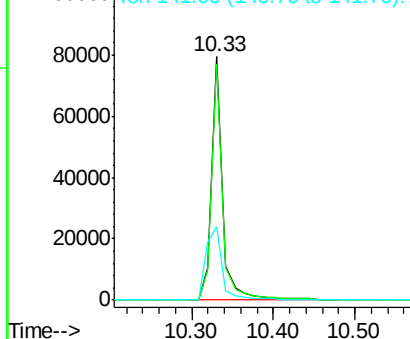


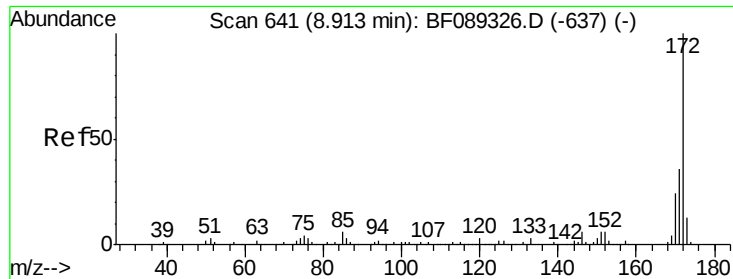
#41
 2,4,6-Tribromophenol
 Concen: 111.61 ng
 RT: 10.33 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: BF089429.D
 Acq: 30 Jul 2016 1:10

Tgt Ion:330 Resp: 77145
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.8 115.2
 141 44.5 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

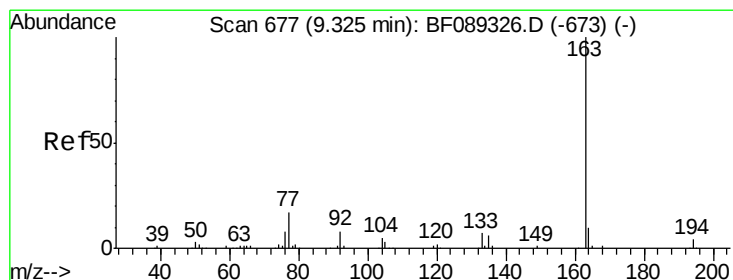
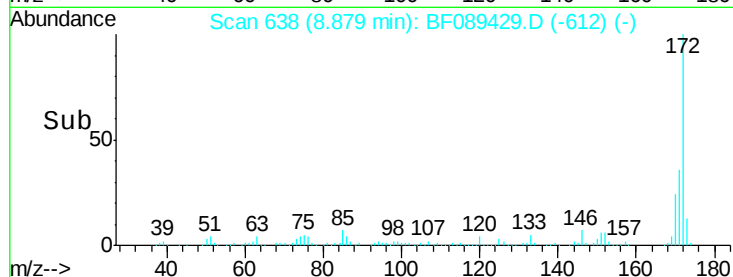
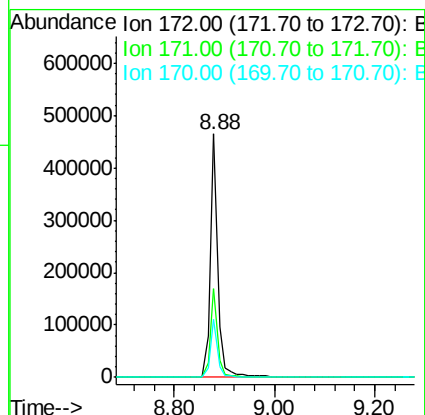
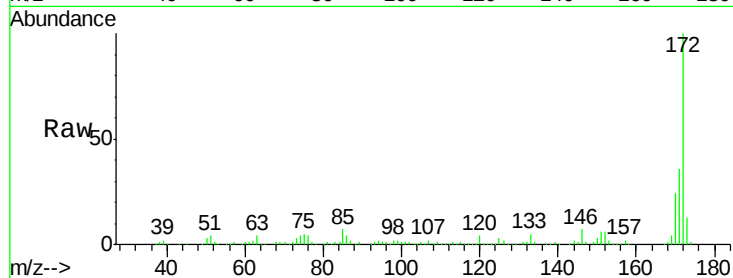




#44
 2-Fluorobiphenyl
 Concen: 85.09 ng
 RT: 8.88 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: BF089429.D
 Acq: 30 Jul 2016 1:10

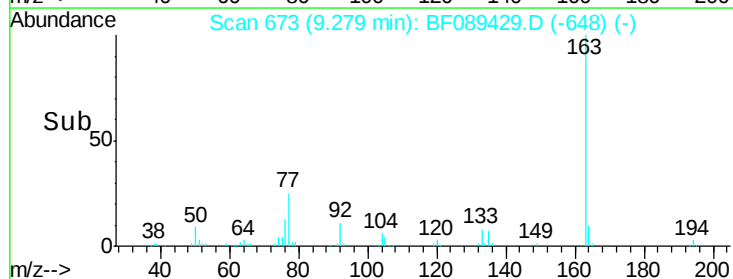
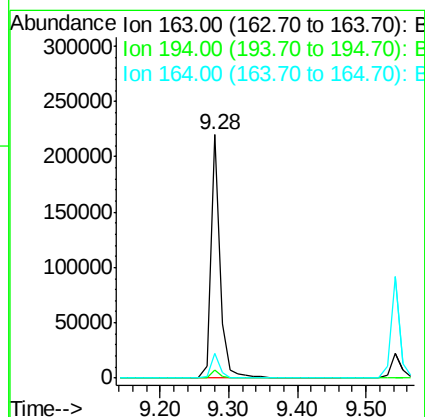
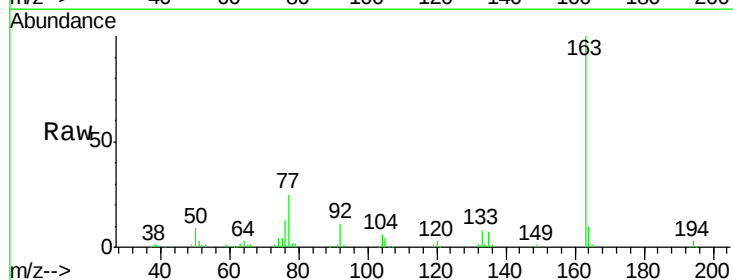
Instrument :
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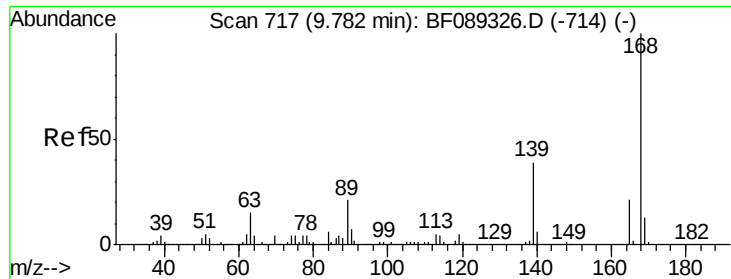
Tgt Ion:172 Resp: 483855
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.2 43.8
 170 23.7 19.2 28.8



#49
 Dimethylphthalate
 Concen: 32.30 ng
 RT: 9.28 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: BF089429.D
 Acq: 30 Jul 2016 1:10

Tgt Ion:163 Resp: 205180
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.8 4.2
 164 10.3 7.8 11.8

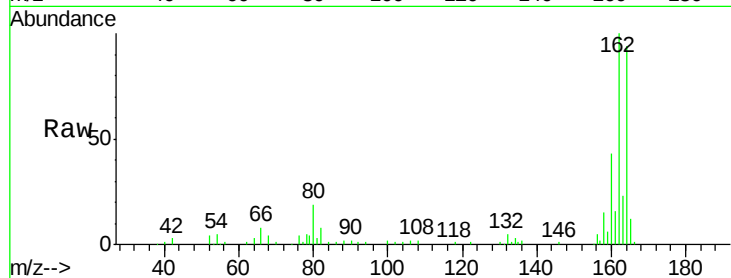




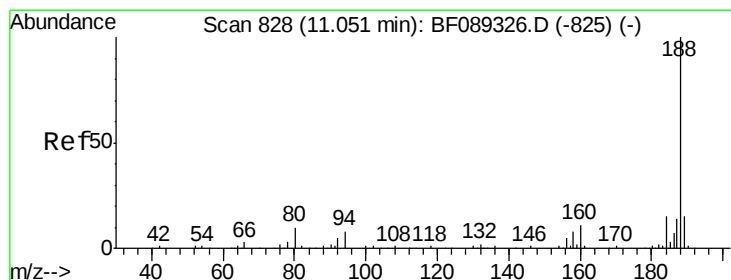
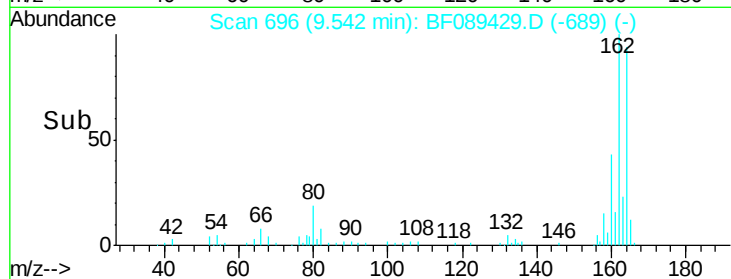
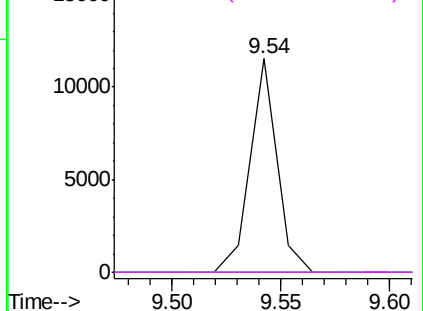
#56
2,4-Dinitrotoluene
Concen: 5.76 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.22 min
Lab File: BF089429.D
Acq: 30 Jul 2016 1:10

Instrument :
BNA_F
ClientSampleId :
SB-46-14.0-15.0

Tgt Ion:165 Resp: 9898
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#

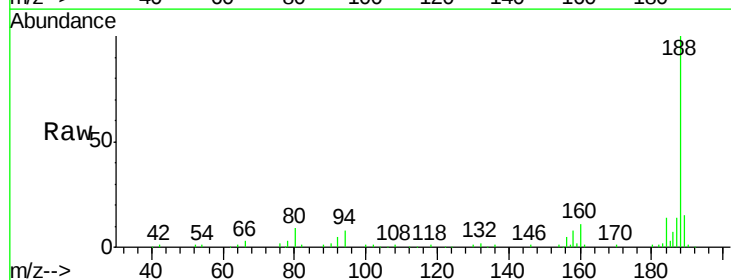


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

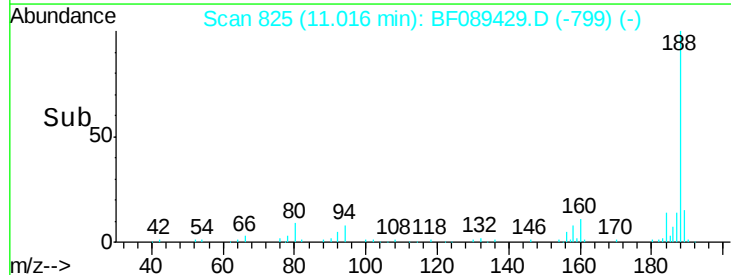
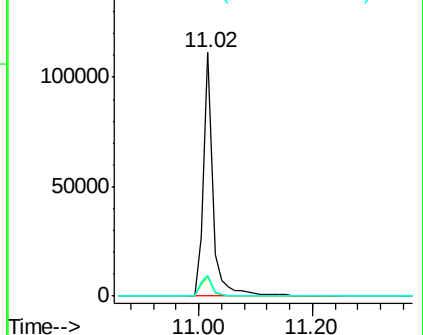


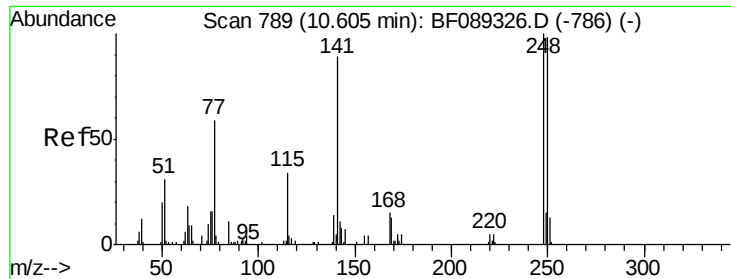
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 825
Delta R.T. 0.00 min
Lab File: BF089429.D
Acq: 30 Jul 2016 1:10

Tgt Ion:188 Resp: 125150
Ion Ratio Lower Upper
188 100
94 8.0 6.5 9.7
80 8.5 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

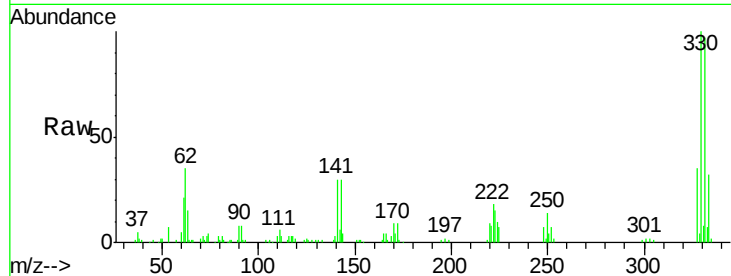




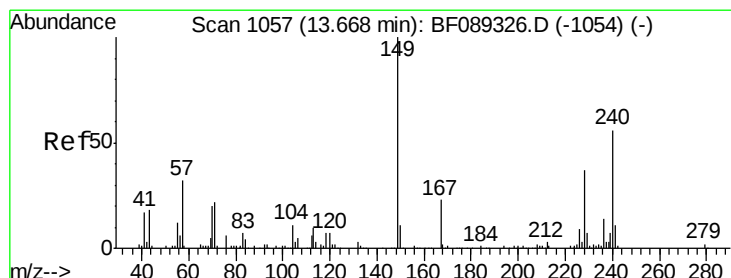
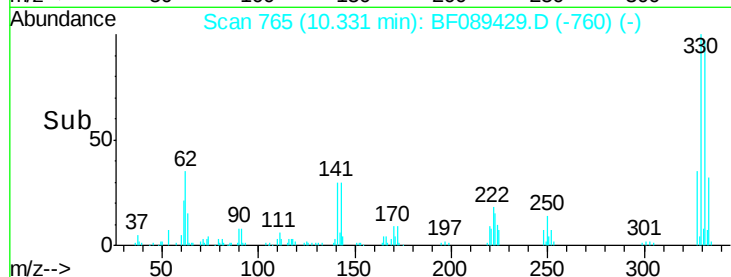
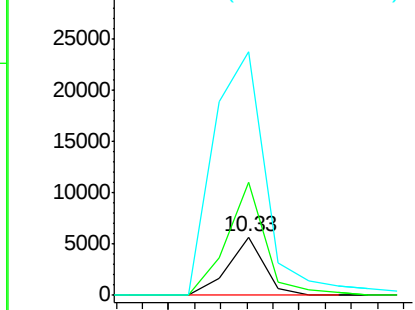
#66
4-Bromophenyl-phenylether
Concen: 4.63 ng
RT: 10.33 min Scan# 765
Delta R.T. -0.24 min
Lab File: BF089429.D
Acq: 30 Jul 2016 1:10

Instrument :
BNA_F
ClientSampleId :
SB-46-14.0-15.0

Tgt Ion:248 Resp: 5527
Ion Ratio Lower Upper
248 100
250 194.6 78.2 117.2#
141 418.7 62.0 93.0#

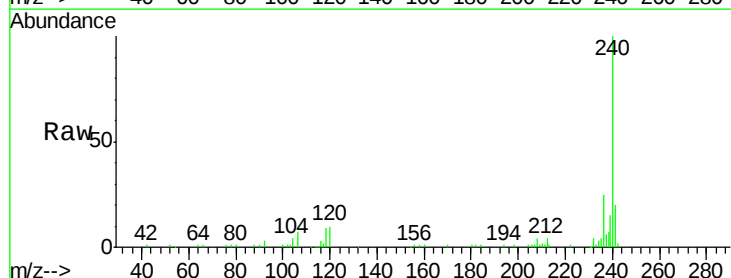


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

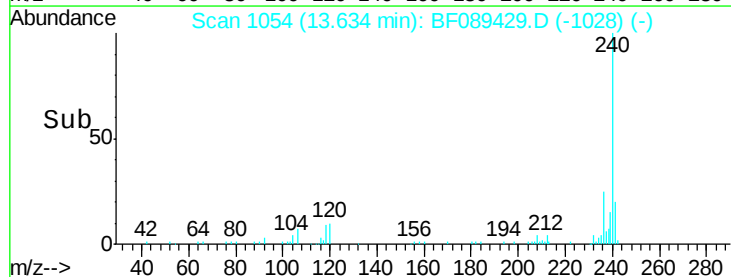
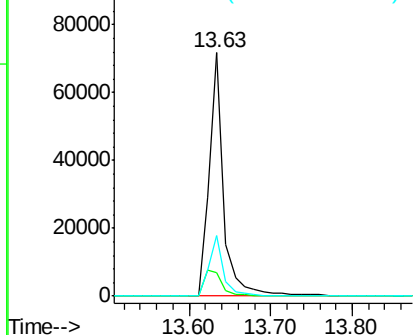


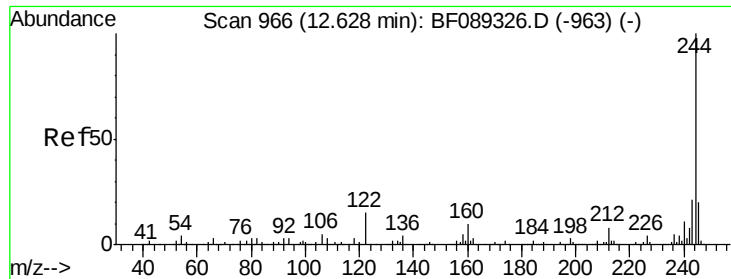
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.63 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BF089429.D
Acq: 30 Jul 2016 1:10

Tgt Ion:240 Resp: 90147
Ion Ratio Lower Upper
240 100
120 9.9 9.1 13.7
236 25.0 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

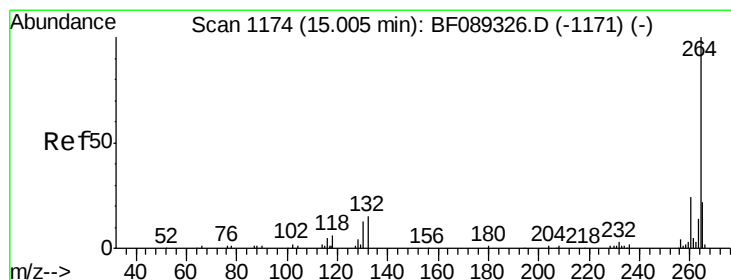
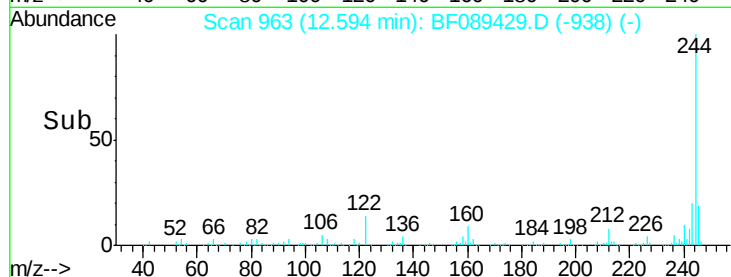
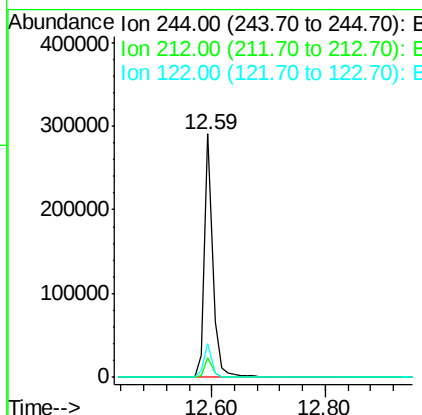
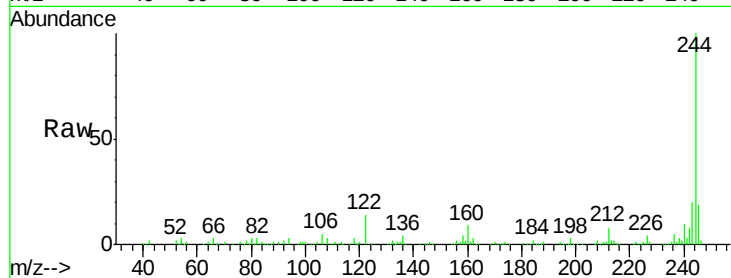




#78
 Terphenyl-d14
 Concen: 74.31 ng
 RT: 12.59 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: BF089429.D
 Acq: 30 Jul 2016 1:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-14.0-15.0

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	13.9	11.4	17.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.96 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: BF089429.D
 Acq: 30 Jul 2016 1:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.4
265	21.6	17.5	26.3

