

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072816\
 Data File : BF089349.D
 Acq On : 28 Jul 2016 6:28
 Operator : UM/SJ
 Sample : H4157-22
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 I-19

Quant Time: Jul 28 06:59:57 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

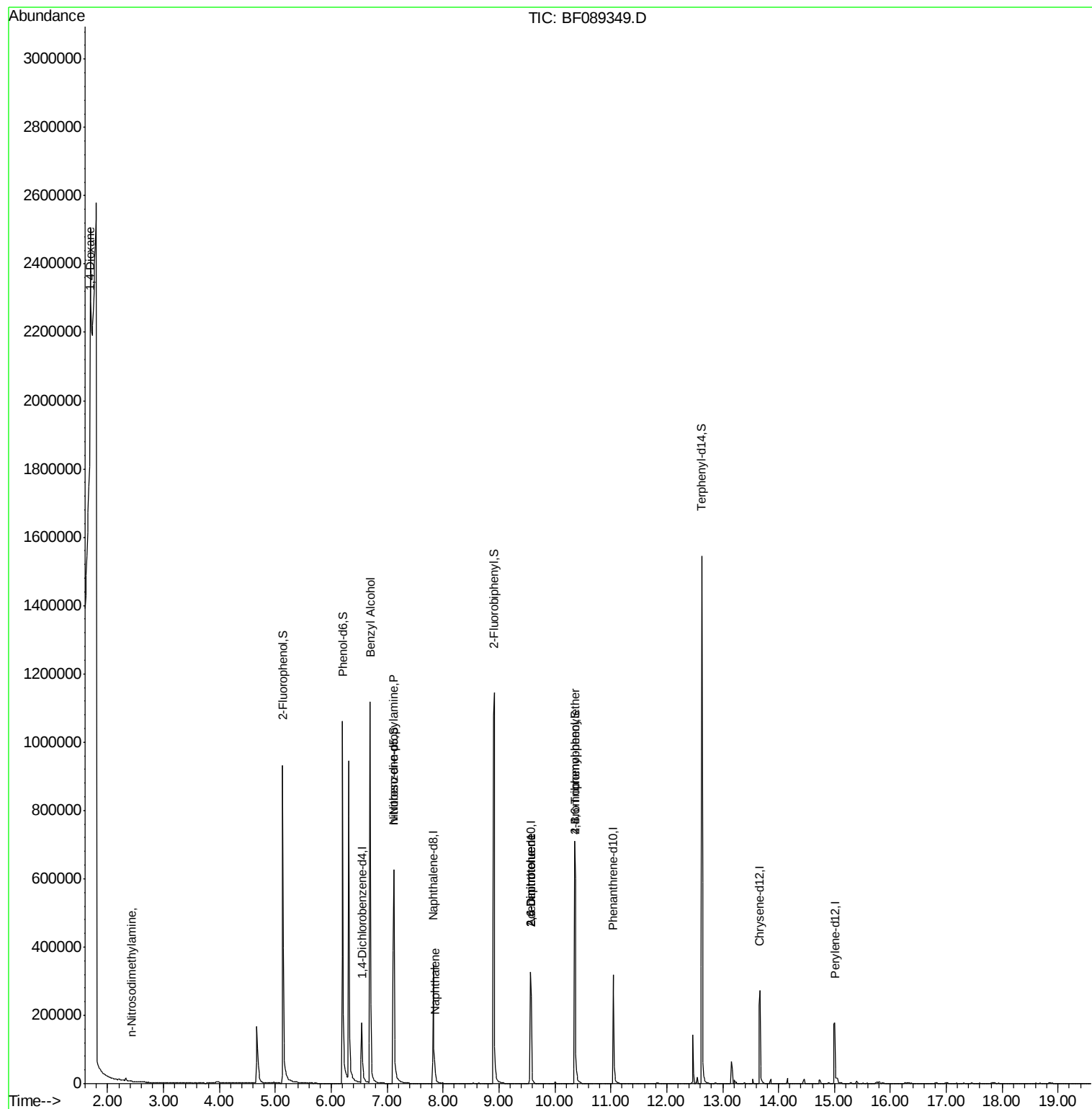
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	45308	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	206432	20.00	ng	0.00
38) Acenaphthene-d10	9.56	164	95874	20.00	ng	-0.01
63) Phenanthrene-d10	11.04	188	198151	20.00	ng	-0.01
75) Chrysene-d12	13.67	240	152114	20.00	ng	0.00
86) Perylene-d12	15.01	264	112307	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	351123	123.74	ng	0.02
7) Phenol-d6	6.20	99	497645	132.71	ng	0.00
23) Nitrobenzene-d5	7.12	82	340994	97.50	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	124723	157.07	ng	0.00
44) 2-Fluorobiphenyl	8.91	172	633299	96.94	ng	0.00
78) Terphenyl-d14	12.63	244	572422	88.07	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.69	88	31845	23.30	ng	# 26
4) n-Nitrosodimethylamine	2.43	42	211	7.89	ng	# 1
15) Benzyl Alcohol	6.70	79	5511	2.37	ng	# 50
19) n-Nitroso-di-n-propylamine	7.12	70	44100	19.50	ng	# 78
31) Naphthalene	7.85	128	33921	3.32	ng	# 98
50) 2,6-Dinitrotoluene	9.56	165	12187	8.13	ng	# 24
56) 2,4-Dinitrotoluene	9.56	165	12188	6.18	ng	# 7
66) 4-Bromophenyl-phenylether	10.36	248	8922	4.72	ng	# 1

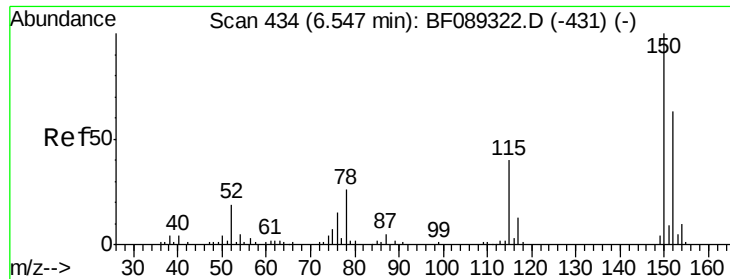
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF089349.D

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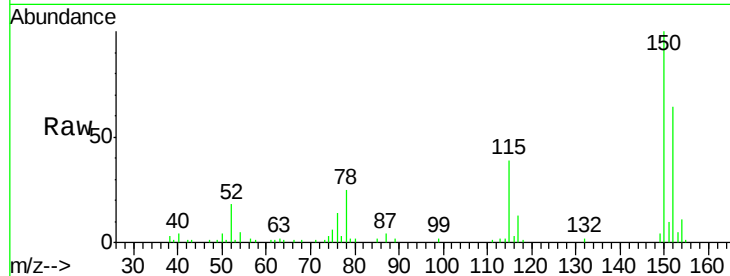
Tgt Ion:152 Resp: 45308

Ion Ratio Lower Upper

152 100

150 157.2 129.5 194.3

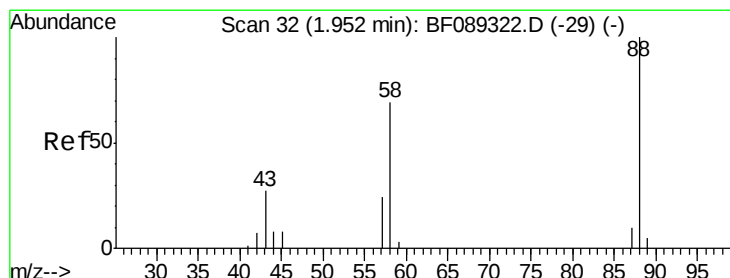
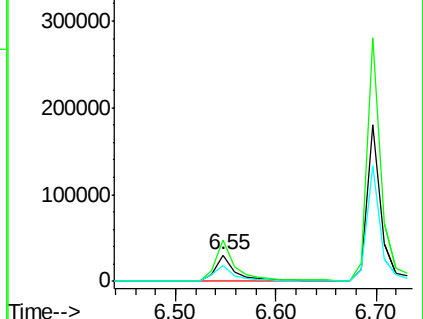
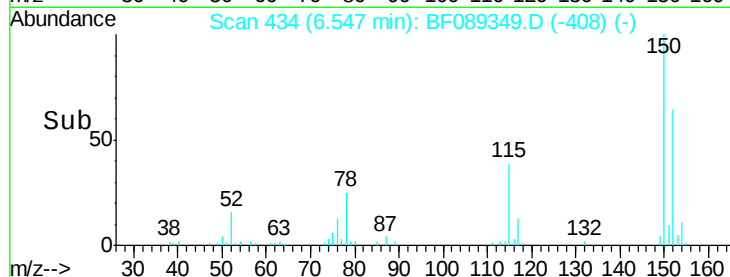
115 61.6 51.4 77.2



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: 23.30 ng

RT: 1.69 min Scan# 9

Delta R.T. -0.26 min

Lab File: BF089349.D

Acq: 28 Jul 2016 6:28

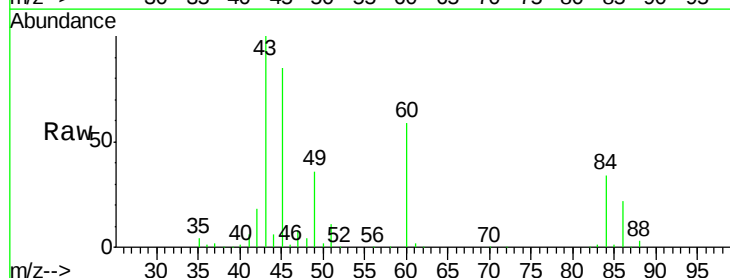
Tgt Ion: 88 Resp: 31845

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

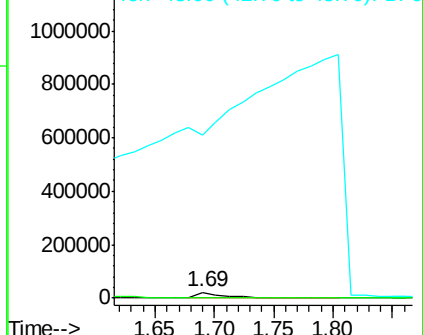
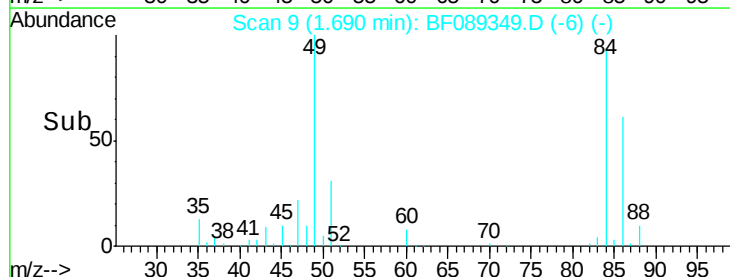
43 0.0 20.6 31.0#

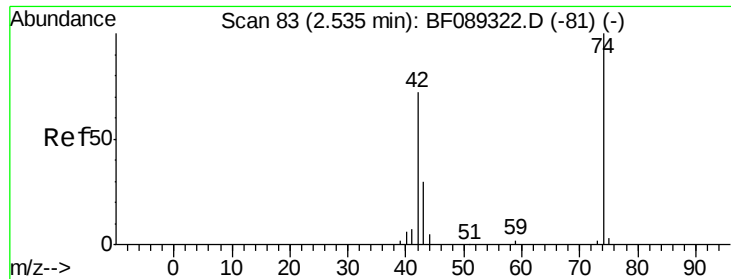


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 7.89 ng

RT: 2.43 min Scan# 74

Delta R.T. -0.10 min

Lab File: BF089349.D

Acq: 28 Jul 2016 6:28

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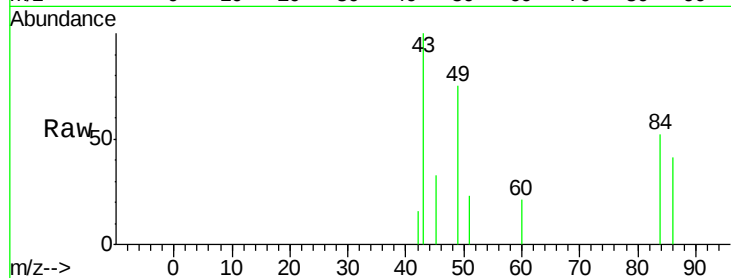
Tgt Ion: 42 Resp: 211

Ion Ratio Lower Upper

42 100

74 0.0 110.8 166.2#

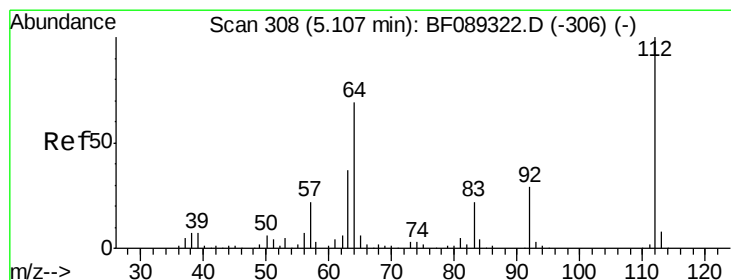
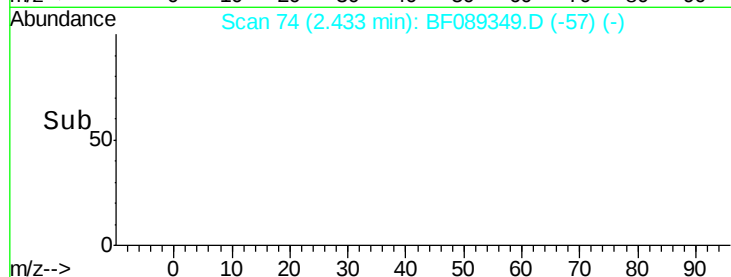
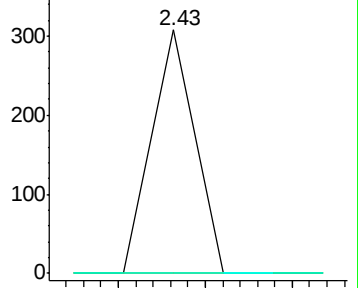
44 0.0 5.2 7.8#



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: 123.74 ng

RT: 5.13 min Scan# 310

Delta R.T. 0.02 min

Lab File: BF089349.D

Acq: 28 Jul 2016 6:28

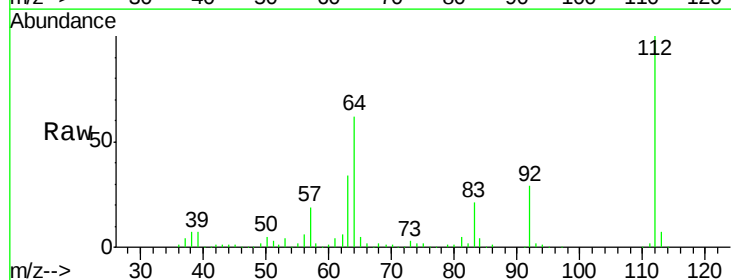
Tgt Ion: 112 Resp: 351123

Ion Ratio Lower Upper

112 100

64 62.2 55.0 82.6

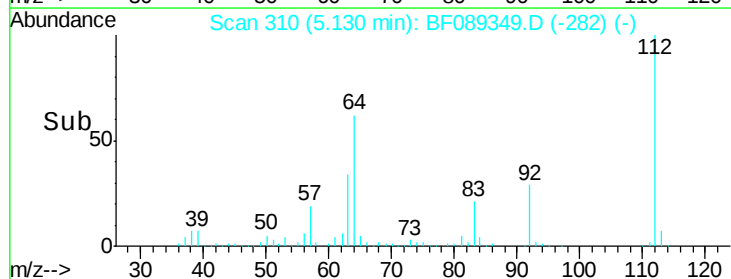
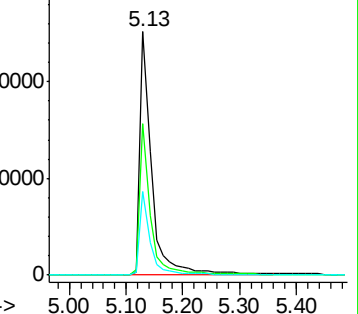
63 34.1 29.4 44.2

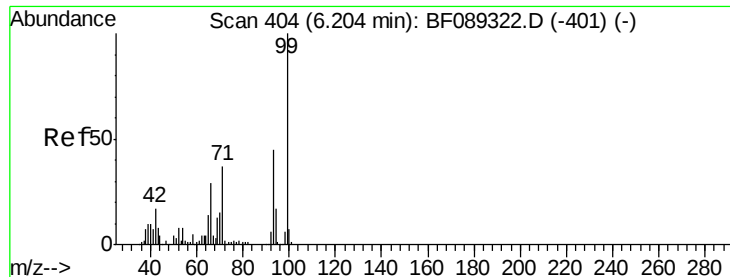


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.71 ng

RT: 6.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF089349.D

Acq: 28 Jul 2016 6:28

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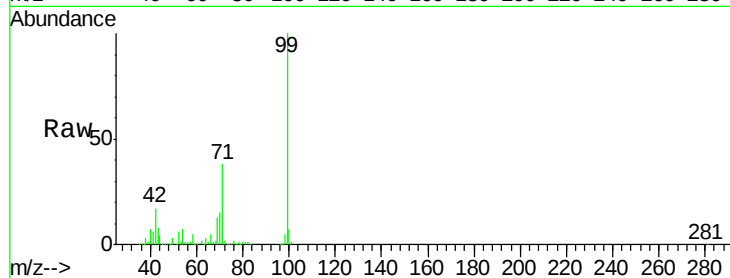
Tgt Ion: 99 Resp: 497645

Ion Ratio Lower Upper

99 100

42 17.2 13.6 20.4

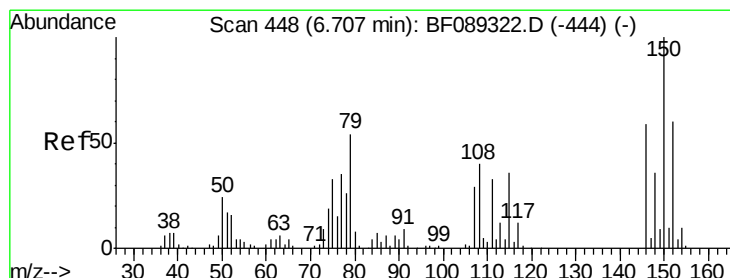
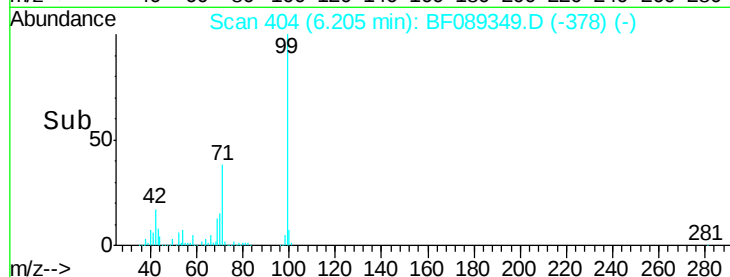
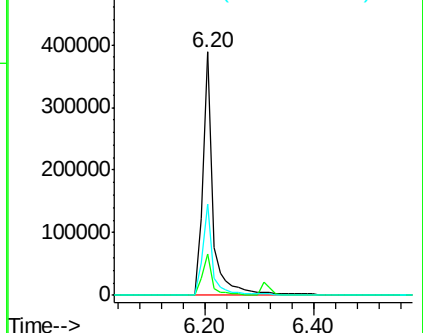
71 37.6 29.4 44.2



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: 2.37 ng

RT: 6.70 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF089349.D

Acq: 28 Jul 2016 6:28

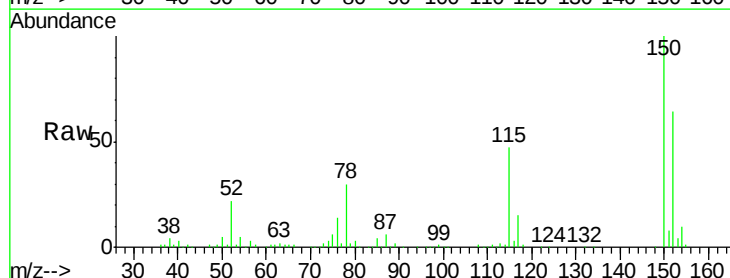
Tgt Ion: 79 Resp: 5511

Ion Ratio Lower Upper

79 100

108 28.6 59.8 89.6#

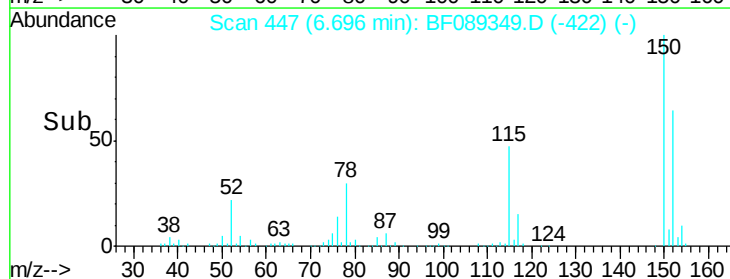
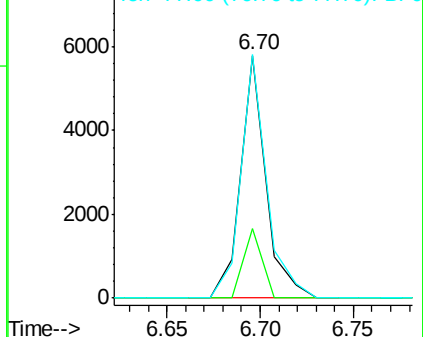
77 100.3 51.7 77.5#

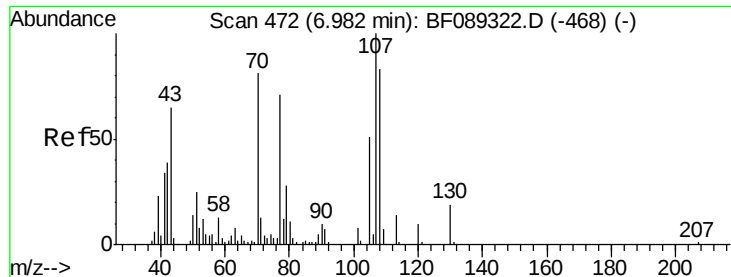


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

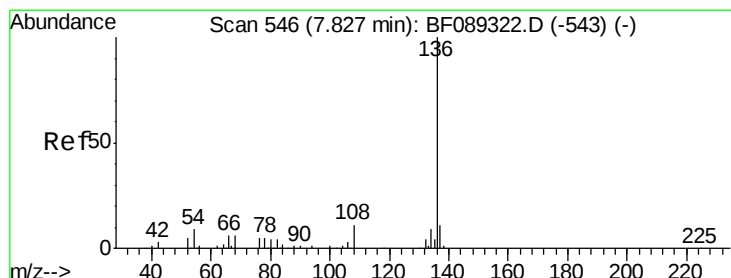
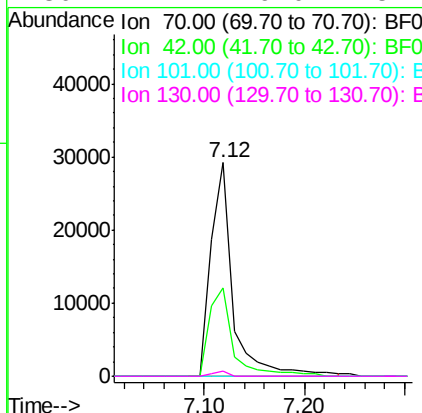
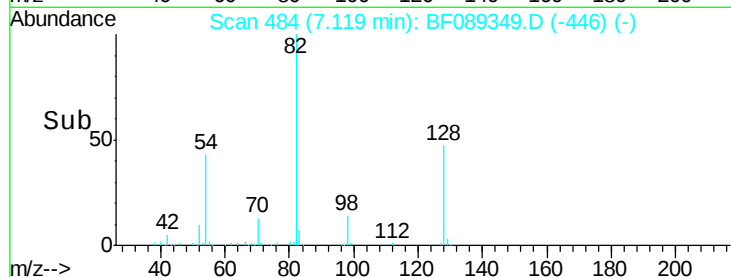
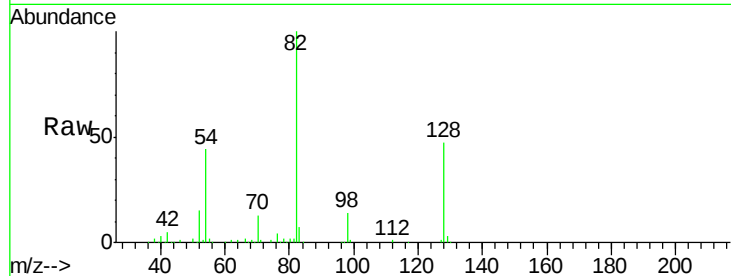




#19
n-Nitroso-di-n-propylamine
Concen: 19.50 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.14 min
Lab File: BF089349.D
Acq: 28 Jul 2016 6:28

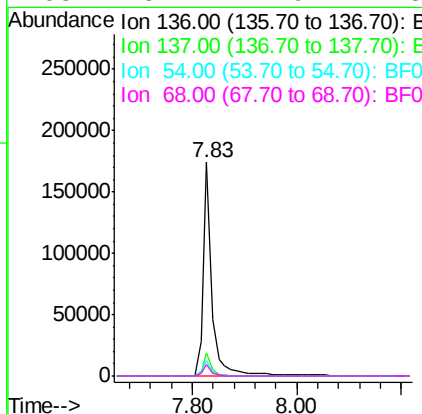
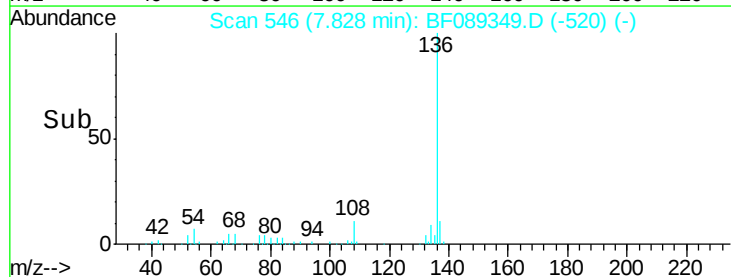
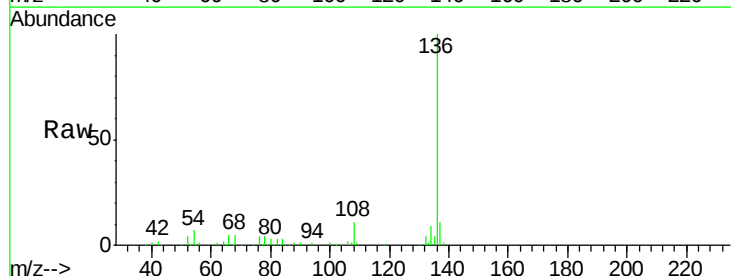
Instrument :
BNA_F
ClientSampleId :
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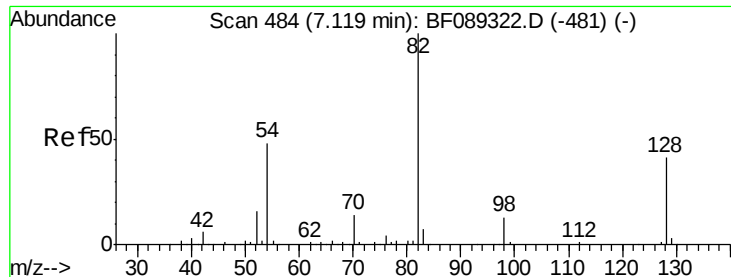
Tgt Ion: 70 Resp: 44100
Ion Ratio Lower Upper
70 100
42 41.5 38.6 57.8
101 0.0 8.3 12.5#
130 2.2 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF089349.D
Acq: 28 Jul 2016 6:28

Tgt Ion: 136 Resp: 206432
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 6.9 7.0 10.4#
68 5.4 4.9 7.3

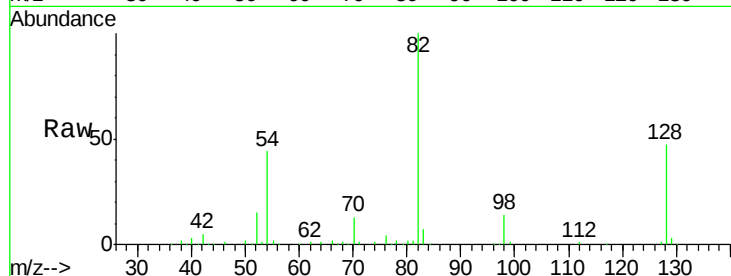




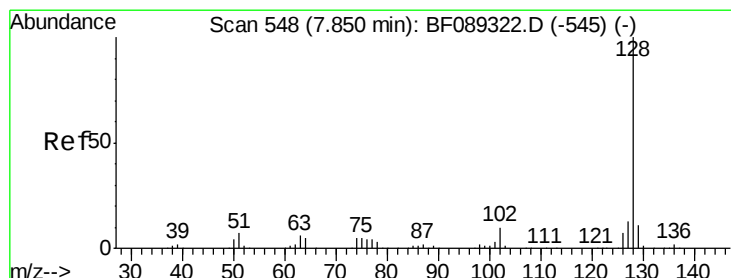
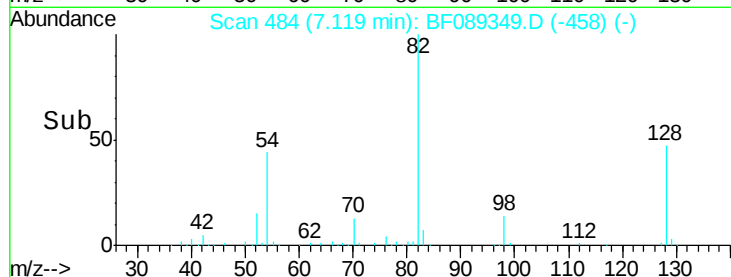
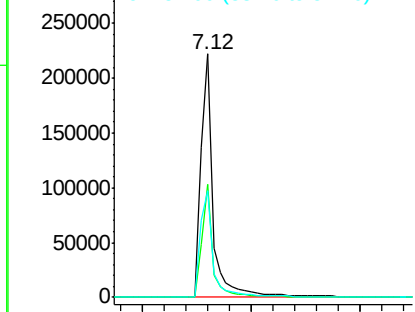
#23
 Nitrobenzene-d5
 Concen: 97.50 ng
 RT: 7.12 min Scan# 484
 Delta R.T. 0.00 min
 Lab File: BF089349.D
 Acq: 28 Jul 2016 6:28

Instrument :
 BNA_F
 ClientSampleId :
 I-19

Tgt Ion: 82 Resp: 340994
 Ion Ratio Lower Upper
 82 100
 128 46.6 32.5 48.7
 54 43.9 38.8 58.2

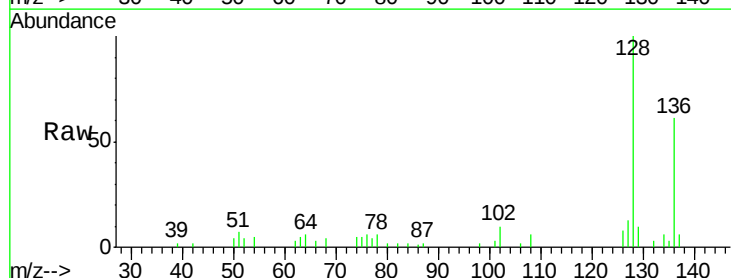


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

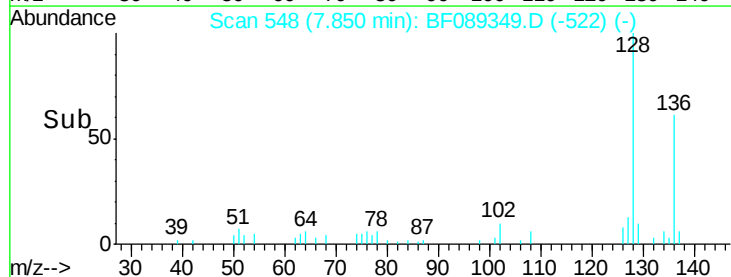
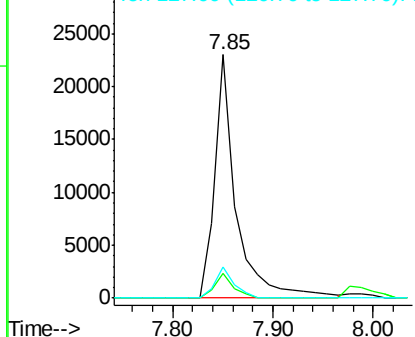


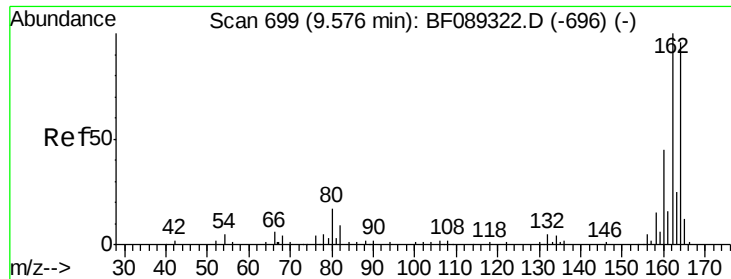
#31
 Naphthalene
 Concen: 3.32 ng
 RT: 7.85 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: BF089349.D
 Acq: 28 Jul 2016 6:28

Tgt Ion: 128 Resp: 33921
 Ion Ratio Lower Upper
 128 100
 129 10.4 8.8 13.2
 127 12.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): B
 Ion 129.00 (128.70 to 129.70): B
 Ion 127.00 (126.70 to 127.70): B

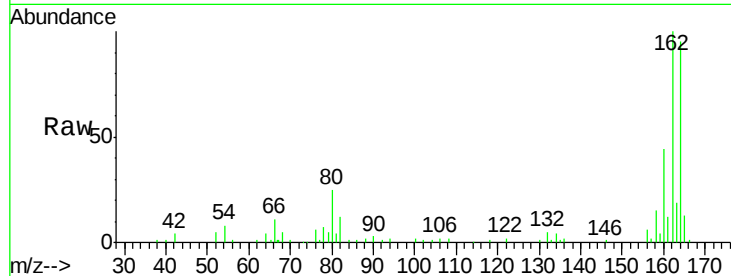




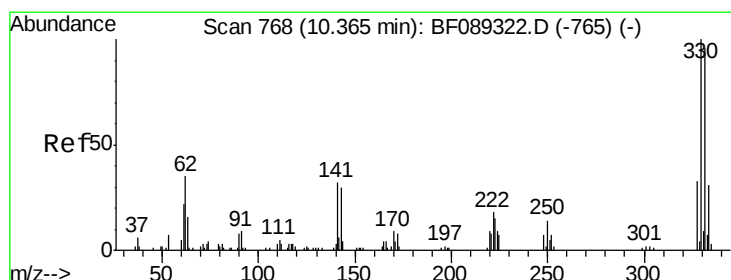
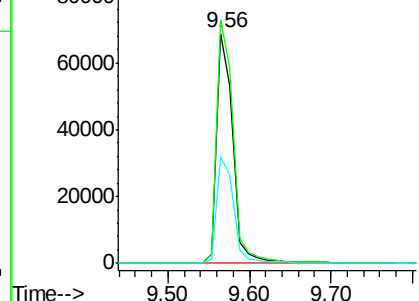
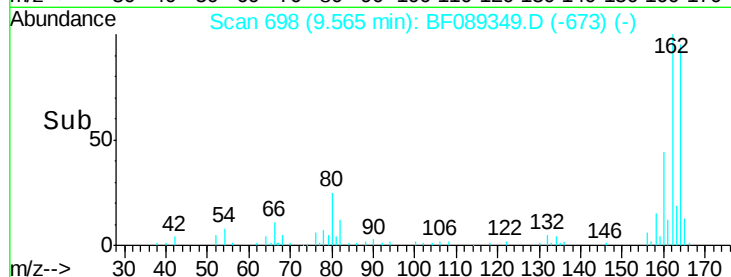
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: BF089349.D
 Acq: 28 Jul 2016 6:28

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 ClientSampleId :
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Tgt Ion:164 Resp: 95874
 Ion Ratio Lower Upper
 164 100
 162 105.8 83.7 125.5
 160 46.5 37.8 56.6

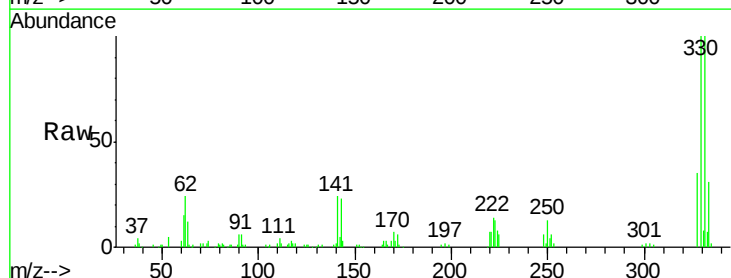


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

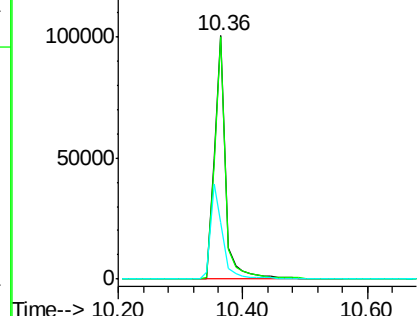
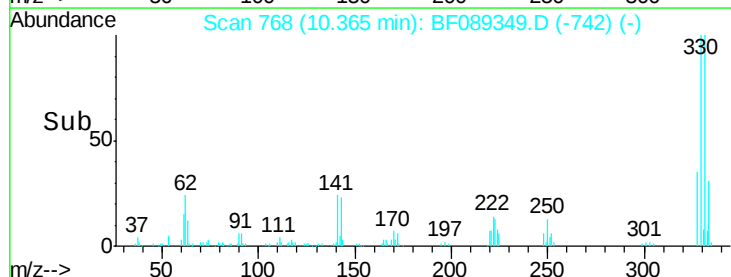


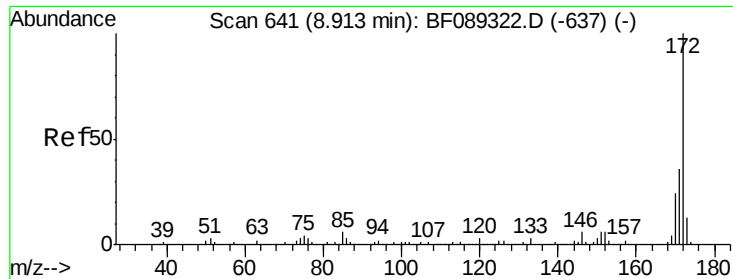
#41
 2,4,6-Tribromophenol
 Concen: 157.07 ng
 RT: 10.36 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BF089349.D
 Acq: 28 Jul 2016 6:28

Tgt Ion:330 Resp: 124723
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.8 115.2
 141 42.5 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

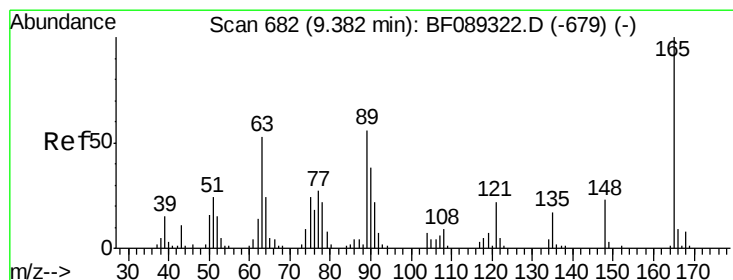
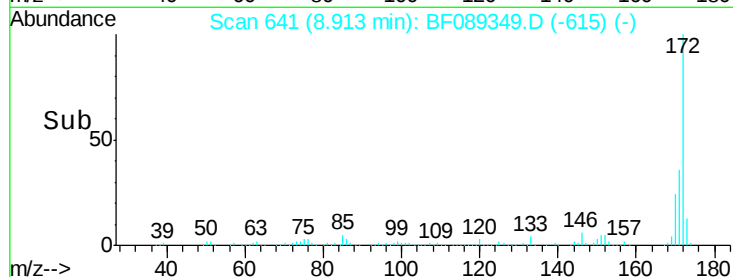
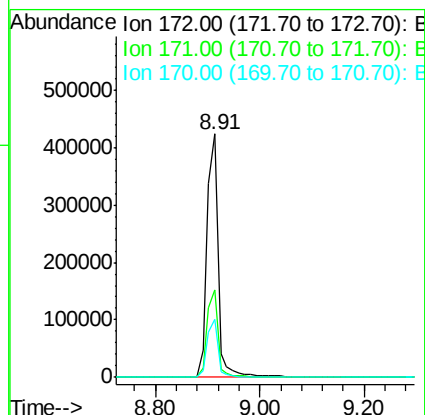
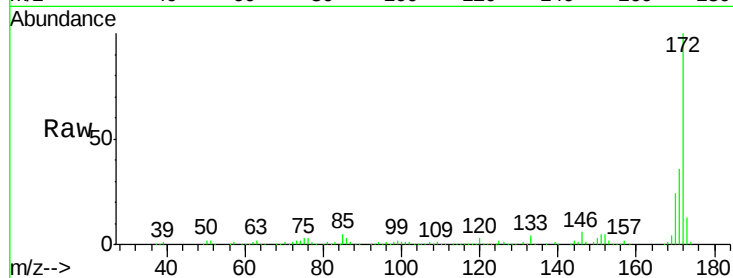




#44
 2-Fluorobiphenyl
 Concen: 96.94 ng
 RT: 8.91 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF089349.D
 Acq: 28 Jul 2016 6:28

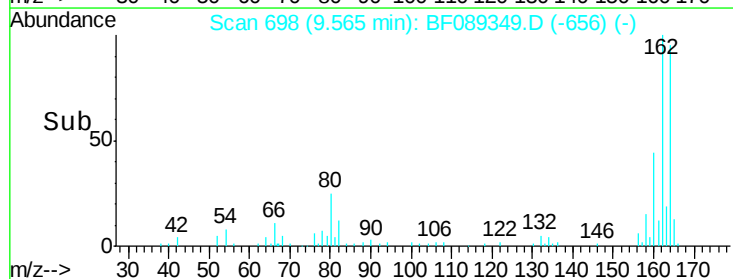
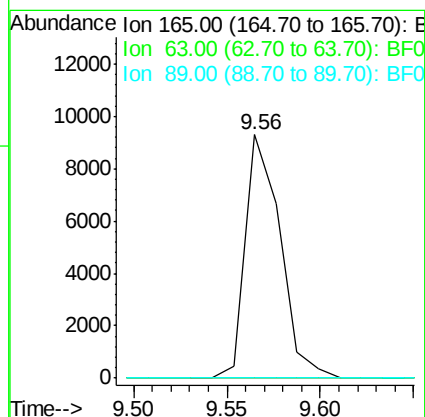
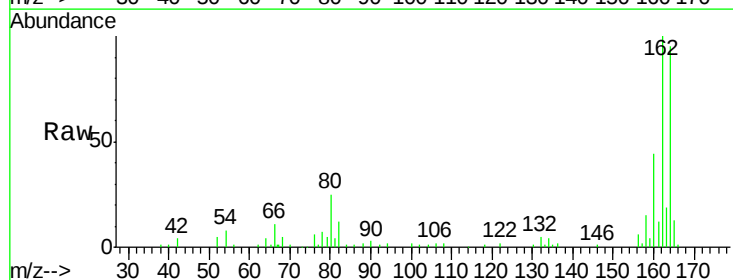
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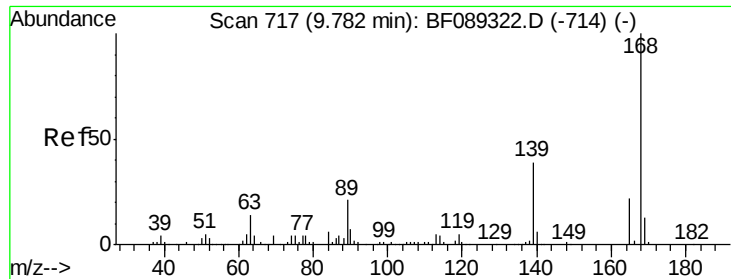
Tgt Ion:172 Resp: 633299
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.2 43.8
 170 23.8 19.2 28.8



#50
 2,6-Dinitrotoluene
 Concen: 8.13 ng
 RT: 9.56 min Scan# 698
 Delta R.T. 0.18 min
 Lab File: BF089349.D
 Acq: 28 Jul 2016 6:28

Tgt Ion:165 Resp: 12187
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.5 65.3#
 89 0.0 45.0 67.4#

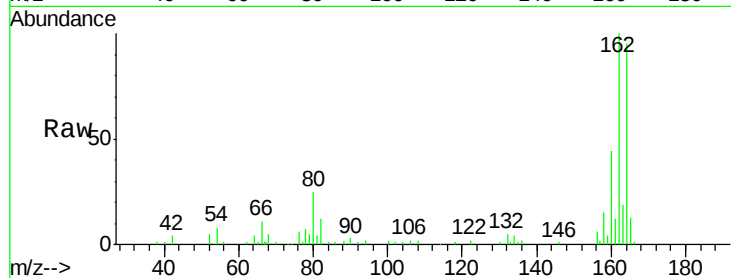




#56
 2,4-Dinitrotoluene
 Concen: 6.18 ng
 RT: 9.56 min Scan# 698
 Delta R.T. -0.22 min
 Lab File: BF089349.D
 Acq: 28 Jul 2016 6:28

Instrument :
 BNA_F
 ClientSampled :
 I-19

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#

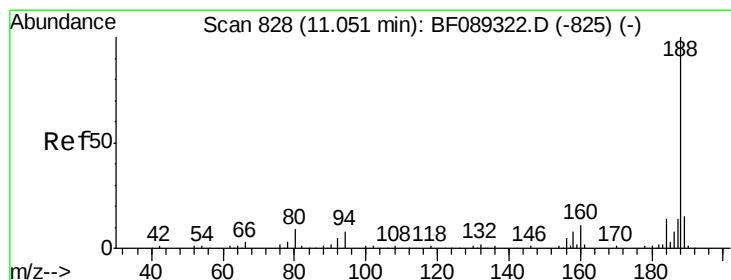
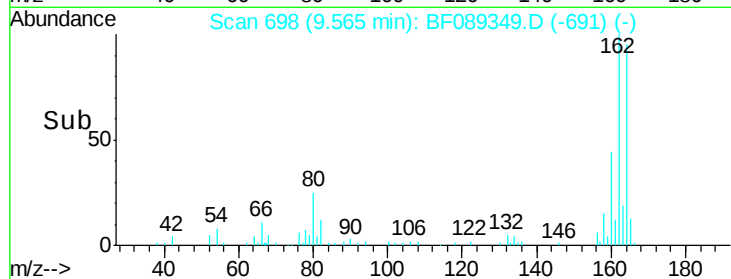
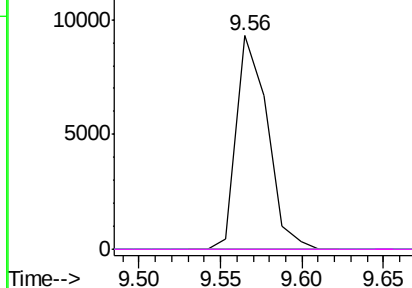


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

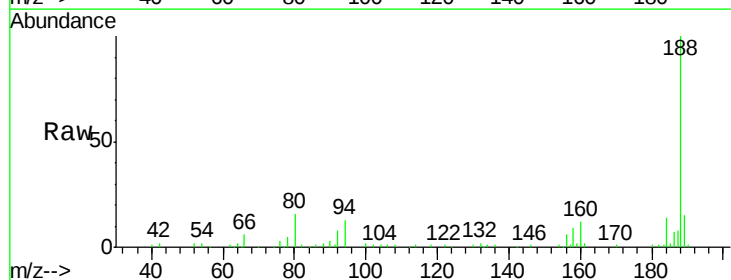
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.04 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BF089349.D
 Acq: 28 Jul 2016 6:28

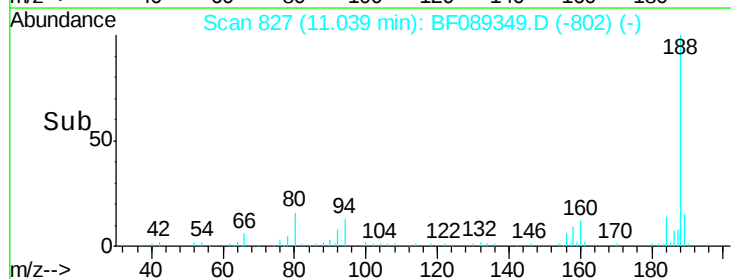
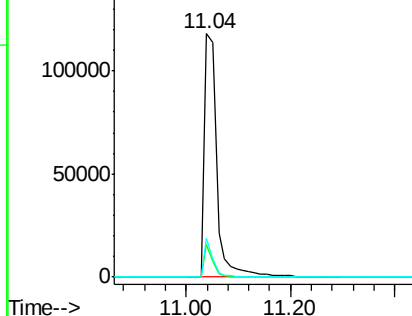
Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.2	6.5	9.7#
80	15.9	7.2	10.8#

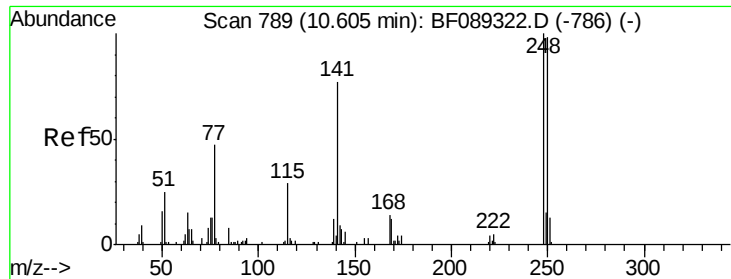


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.72 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.24 min

Lab File: BF089349.D

Acq: 28 Jul 2016 6:28

Instrument :

BNA_F

ClientSampled :

I-19

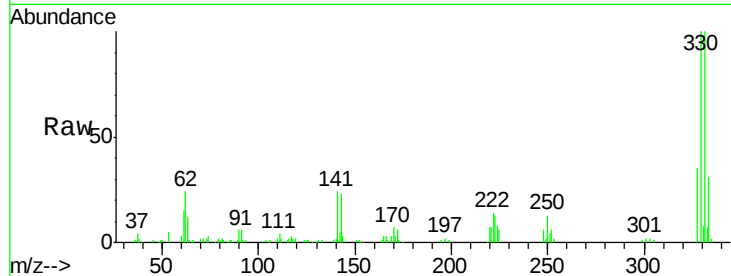
Tgt Ion:248 Resp: 8922

Ion Ratio Lower Upper

248 100

250 198.9 78.2 117.2#

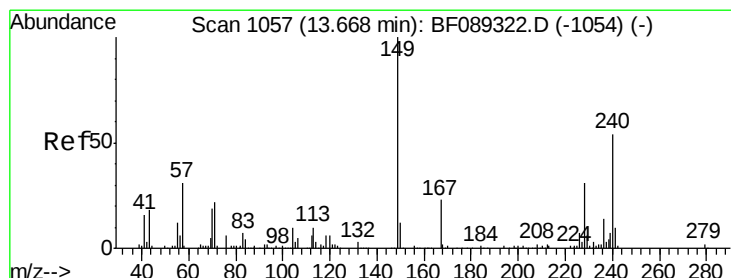
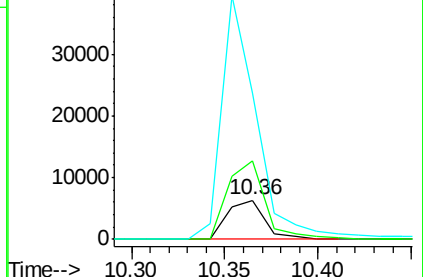
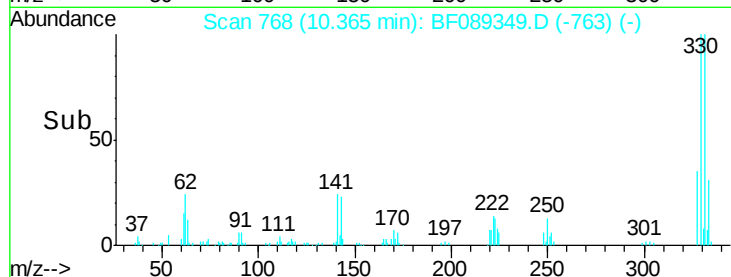
141 372.7 62.0 93.0#



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: 13.67 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF089349.D

Acq: 28 Jul 2016 6:28

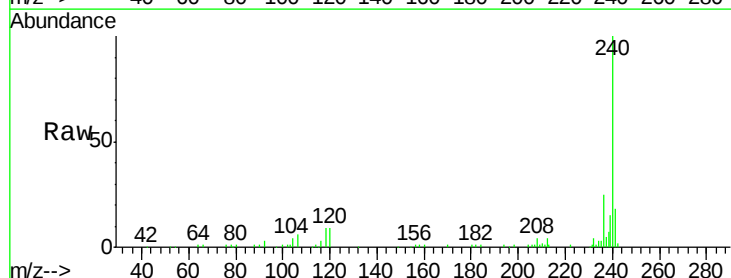
Tgt Ion:240 Resp: 152114

Ion Ratio Lower Upper

240 100

120 9.0 9.1 13.7#

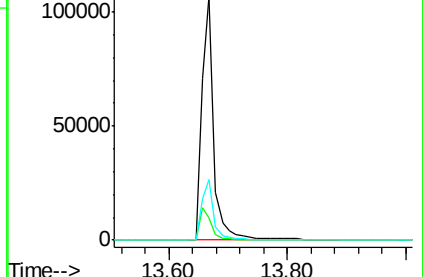
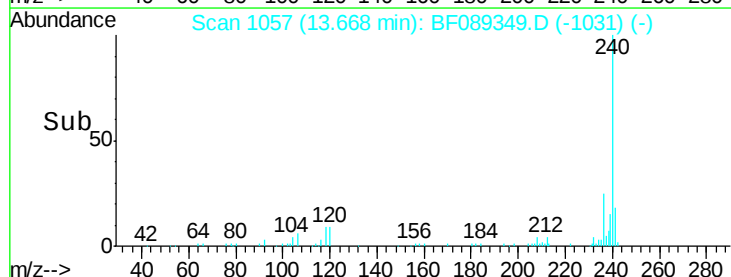
236 24.8 20.6 30.8

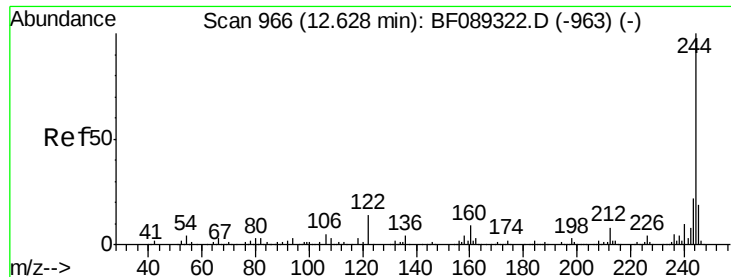


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

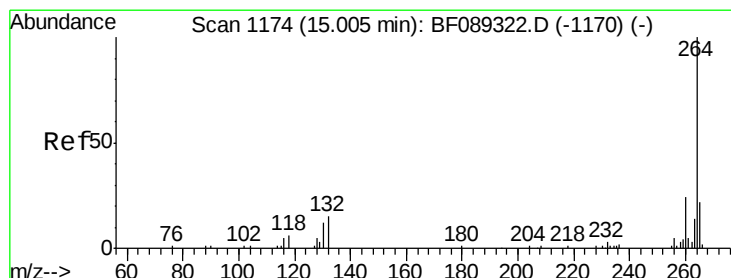
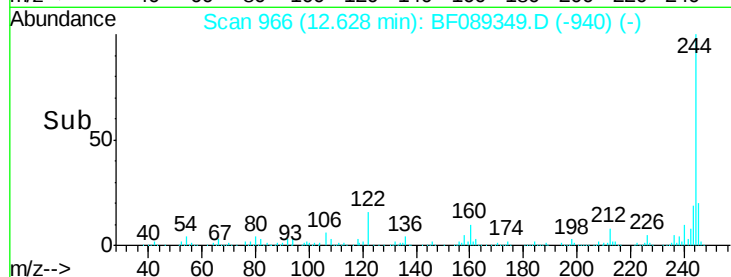
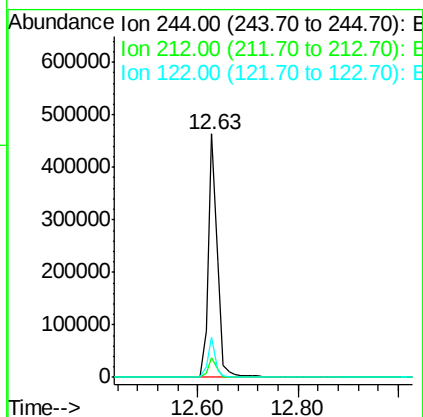
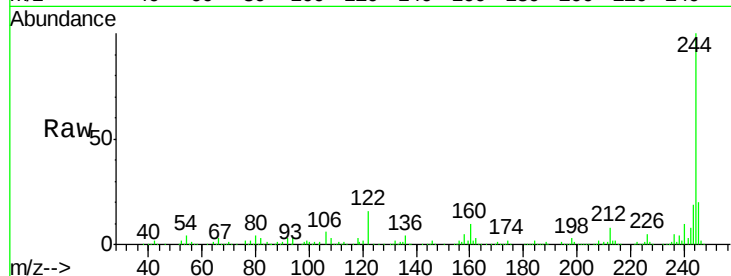




#78
 Terphenyl-d14
 Concen: 88.07 ng
 RT: 12.63 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: BF089349.D
 Acq: 28 Jul 2016 6:28

Instrument :
 BNA_F
 ClientSampleId :
 I-19

Tgt Ion:244 Resp: 572422
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.5 9.7
 122 16.2 11.4 17.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.01 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: BF089349.D
 Acq: 28 Jul 2016 6:28

Tgt Ion:264 Resp: 112307
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.4
 265 21.6 17.5 26.3

