

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072816\
 Data File : BF089351.D
 Acq On : 28 Jul 2016 7:26
 Operator : UM/SJ
 Sample : H4157-24
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 I-21

Quant Time: Jul 28 08:10:36 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

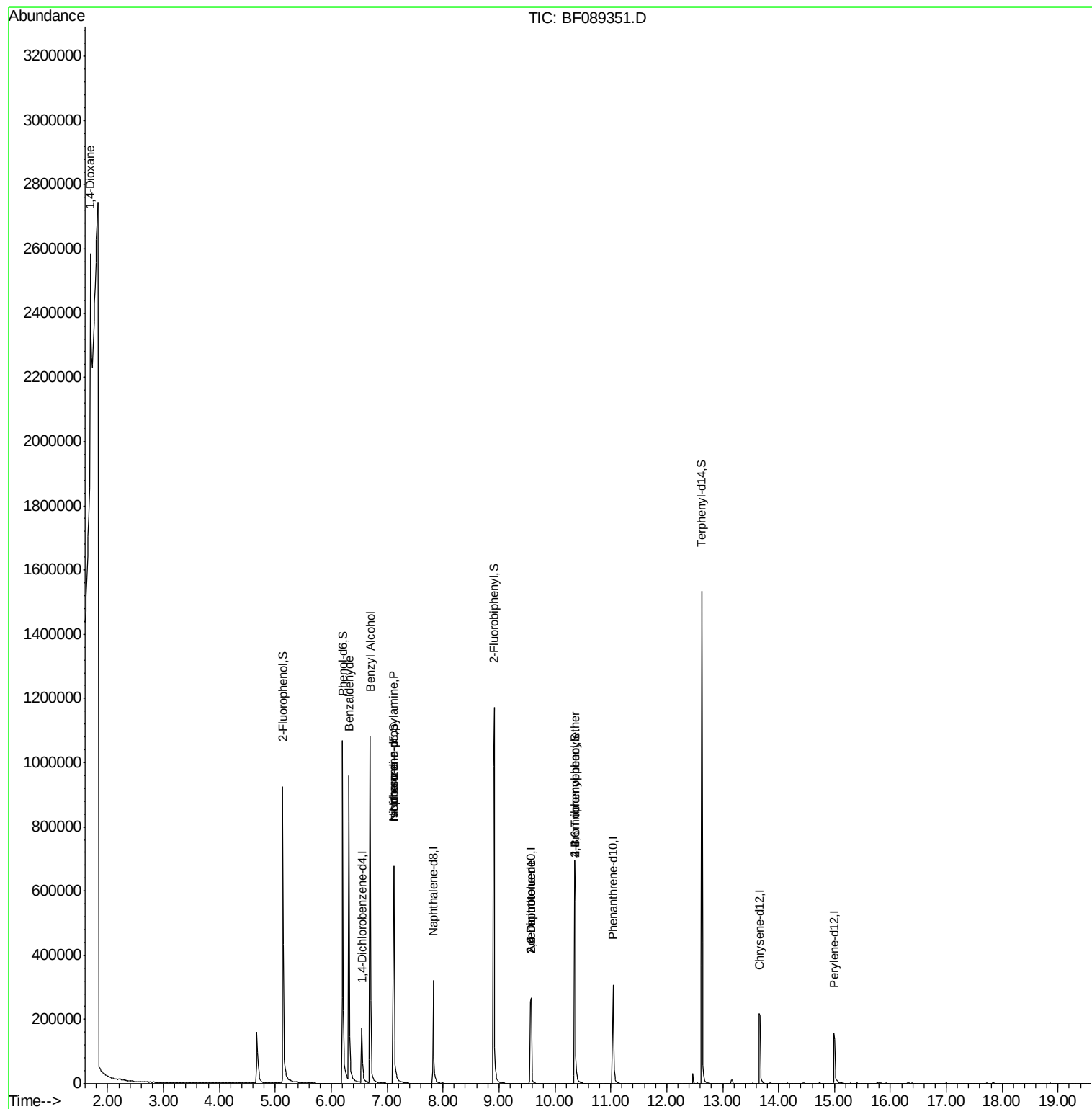
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	41770	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	192545	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	87408	20.00	ng	0.00
63) Phenanthrene-d10	11.04	188	176666	20.00	ng	-0.01
75) Chrysene-d12	13.67	240	132604	20.00	ng	0.00
86) Perylene-d12	14.99	264	99742	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	359933	137.59	ng	0.02
7) Phenol-d6	6.20	99	482000	139.42	ng	0.00
23) Nitrobenzene-d5	7.12	82	340197	104.29	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	118271	163.37	ng	0.00
44) 2-Fluorobiphenyl	8.91	172	615233	103.30	ng	0.00
78) Terphenyl-d14	12.63	244	541789	95.63	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.69	88	36316	29.74	ng	# 26
9) Benzaldehyde	6.32	77	9580	5.68	ng	# 86
15) Benzyl Alcohol	6.70	79	5087	2.37	ng	# 49
19) n-Nitroso-di-n-propylamine	7.12	70	44415	21.31	ng	# 79
25) Isophorone	7.12	82	269183	40.96	ng	# 67
50) 2,6-Dinitrotoluene	9.58	165	11093	8.12	ng	# 24
56) 2,4-Dinitrotoluene	9.58	165	11093	6.16	ng	# 7
66) 4-Bromophenyl-phenylether	10.36	248	8274	4.91	ng	# 1

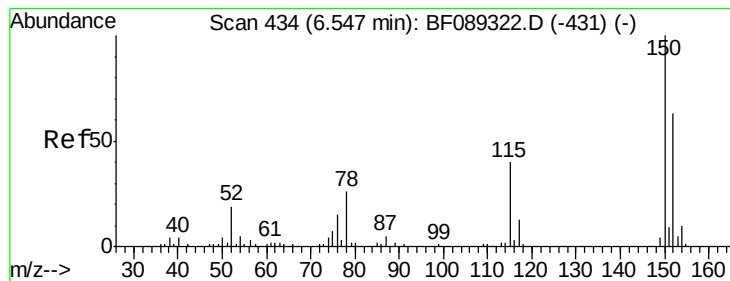
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF089351.D

Acq: 28 Jul 2016 7:26

Instrument :

BNA_F

ClientSampleId :

I-21

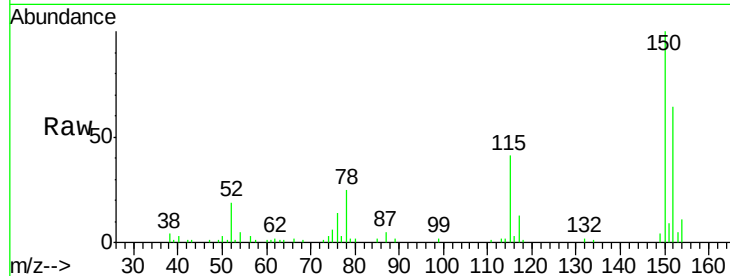
Tgt Ion:152 Resp: 41770

Ion Ratio Lower Upper

152 100

150 157.1 129.5 194.3

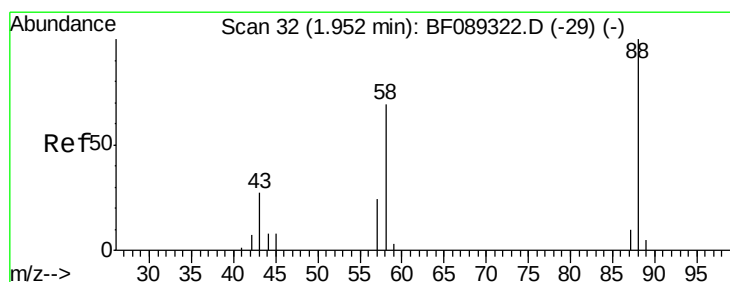
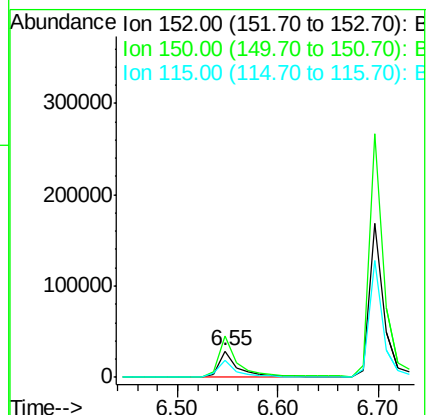
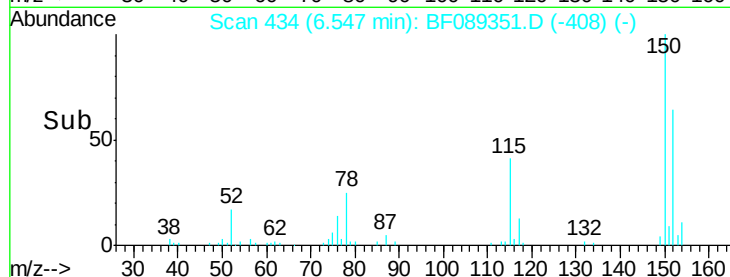
115 64.5 51.4 77.2



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: 29.74 ng

RT: 1.69 min Scan# 9

Delta R.T. -0.26 min

Lab File: BF089351.D

Acq: 28 Jul 2016 7:26

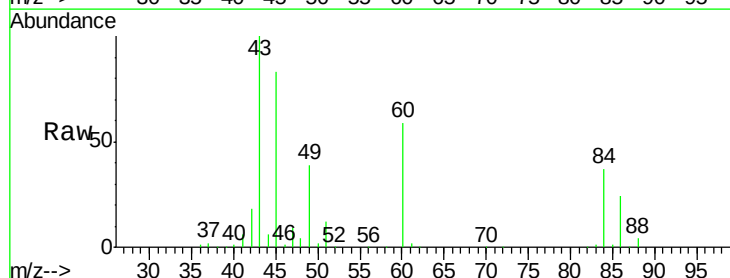
Tgt Ion: 88 Resp: 36316

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

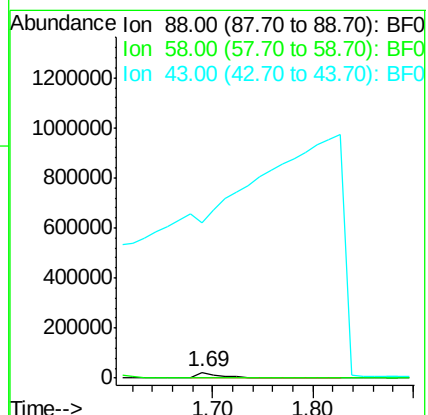
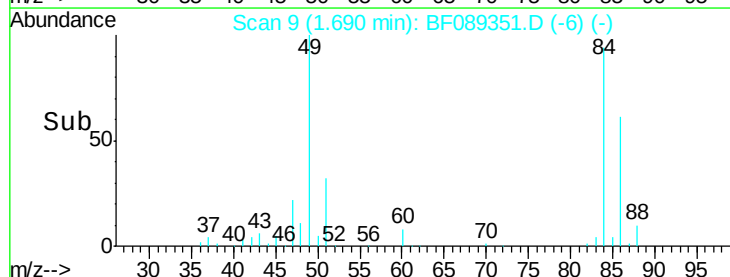
43 0.0 20.6 31.0#

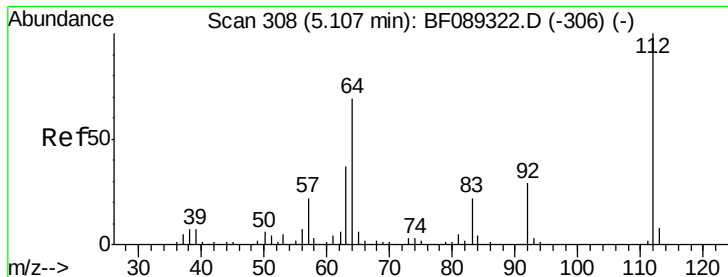


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 137.59 ng

RT: 5.13 min Scan# 310

Delta R.T. 0.02 min

Lab File: BF089351.D

Acq: 28 Jul 2016 7:26

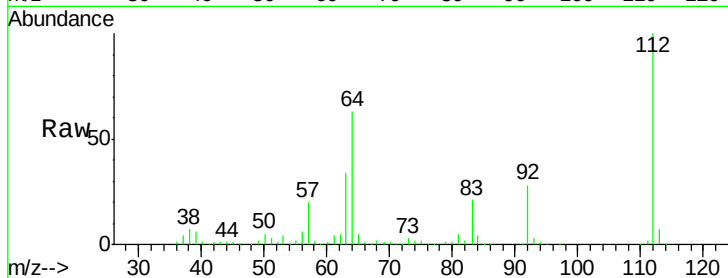
Instrument :

BNA_F

ClientSampleId :

I-21

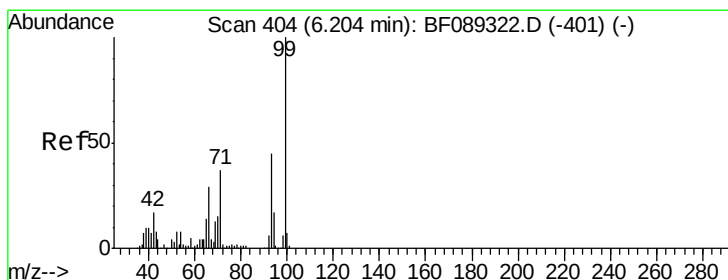
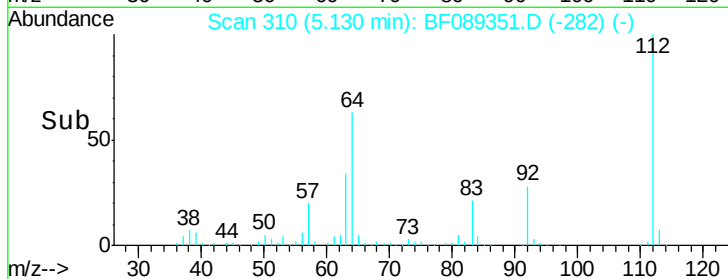
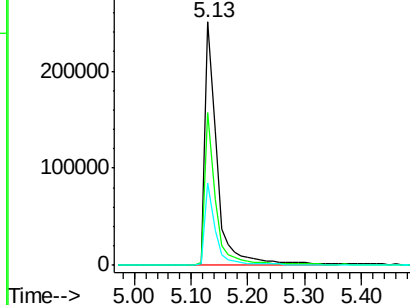
Tgt Ion:	112	Resp:	359933
Ion	Ratio	Lower	Upper
112	100		
64	62.6	55.0	82.6
63	33.7	29.4	44.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 139.42 ng

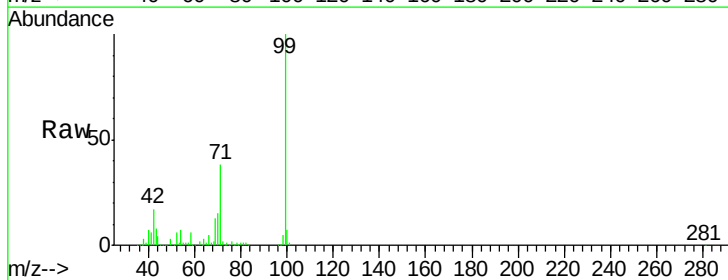
RT: 6.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF089351.D

Acq: 28 Jul 2016 7:26

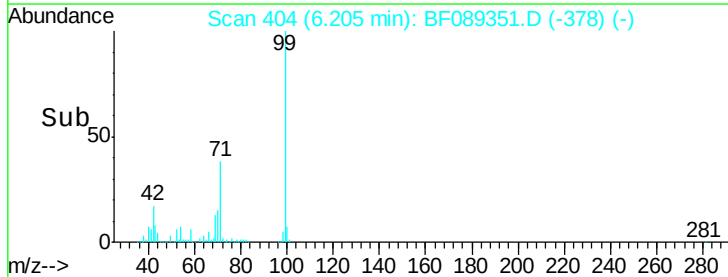
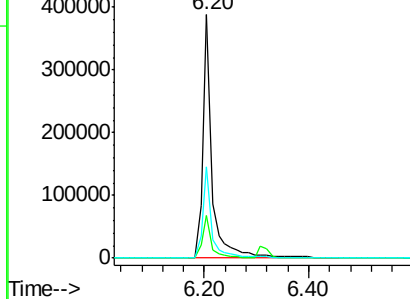
Tgt Ion:	99	Resp:	482000
Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.6	20.4
71	37.6	29.4	44.2

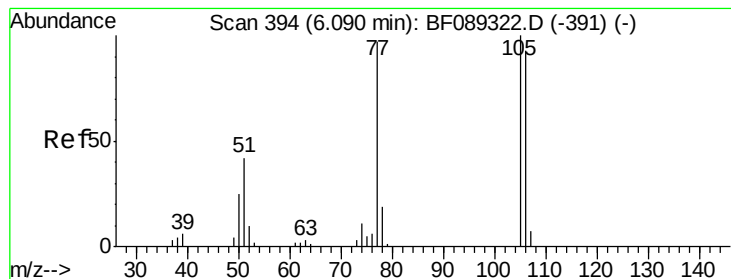


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 5.68 ng

RT: 6.32 min Scan# 414

Delta R.T. 0.23 min

Lab File: BF089351.D

Acq: 28 Jul 2016 7:26

Instrument :

BNA_F

ClientSampleId :

I-21

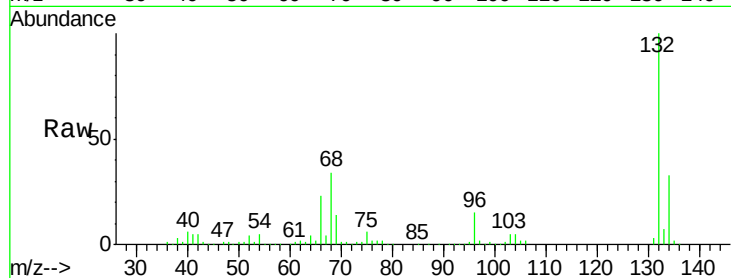
Tgt Ion: 77 Resp: 9580

Ion Ratio Lower Upper

77 100

105 86.9 82.9 122.9

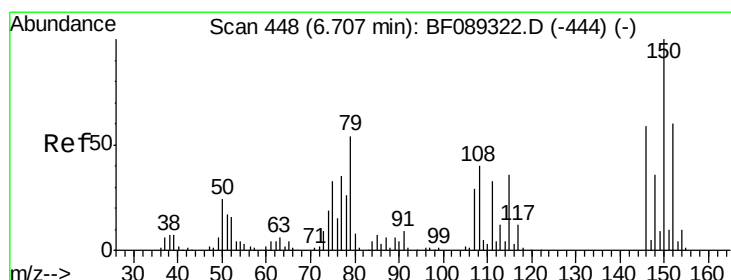
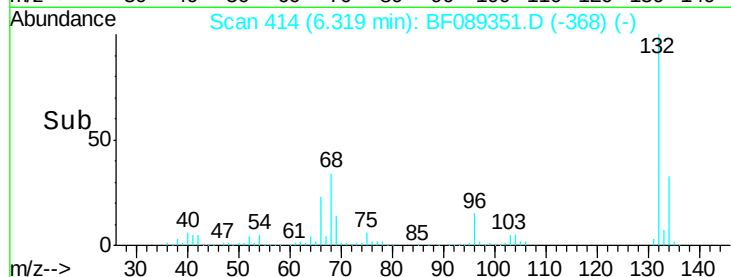
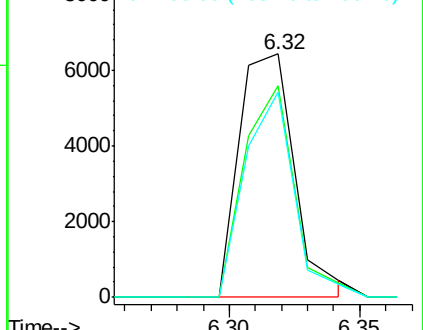
106 84.2 75.9 115.9



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



#15

Benzyl Alcohol

Concen: 2.37 ng

RT: 6.70 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF089351.D

Acq: 28 Jul 2016 7:26

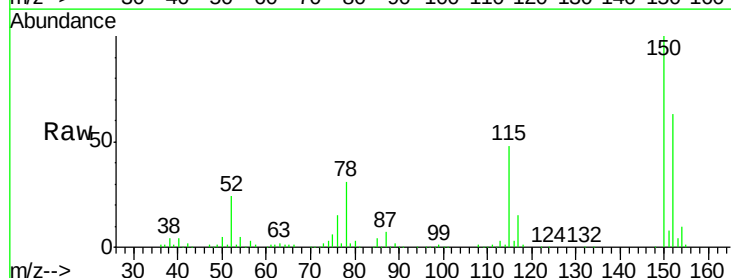
Tgt Ion: 79 Resp: 5087

Ion Ratio Lower Upper

79 100

108 25.7 59.8 89.6#

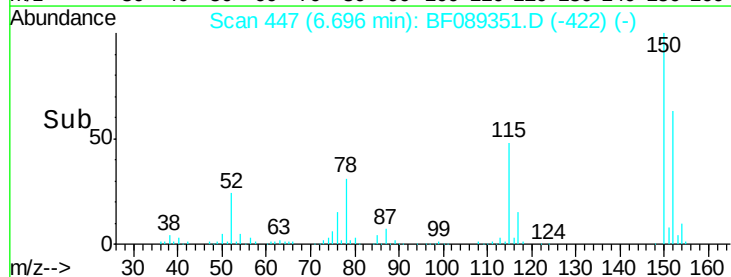
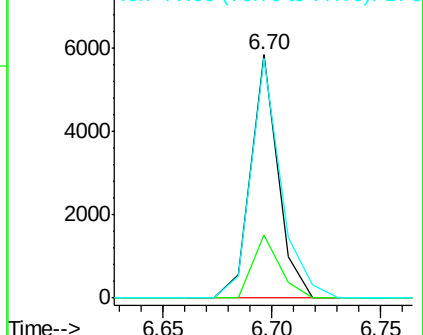
77 98.3 51.7 77.5#

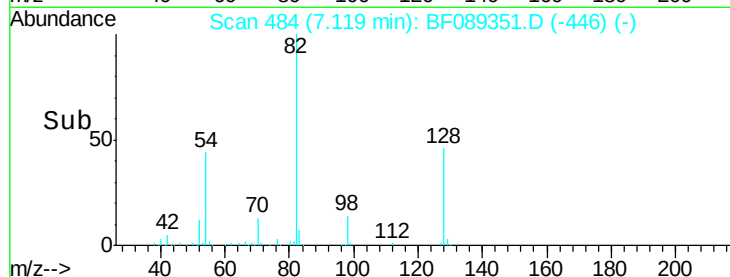
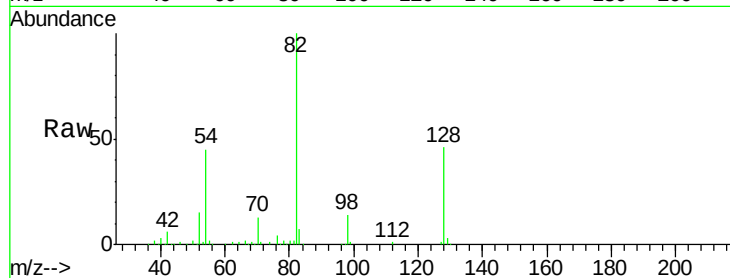
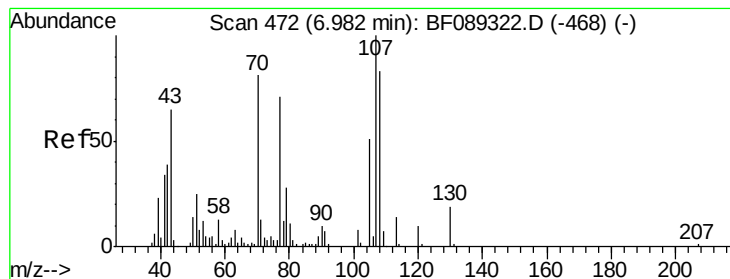


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 21.31 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.14 min

Lab File: BF089351.D

Acq: 28 Jul 2016 7:26

Instrument :

BNA_F

ClientSampleId :

I-21

Tgt Ion: 70 Resp: 44415

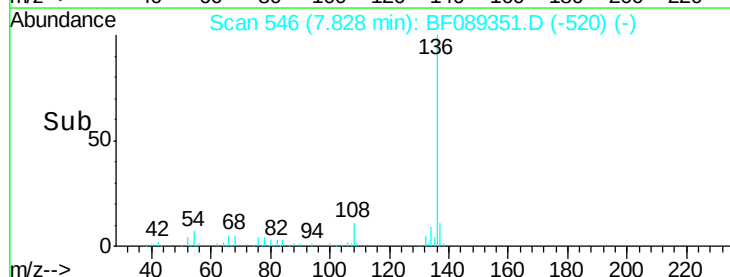
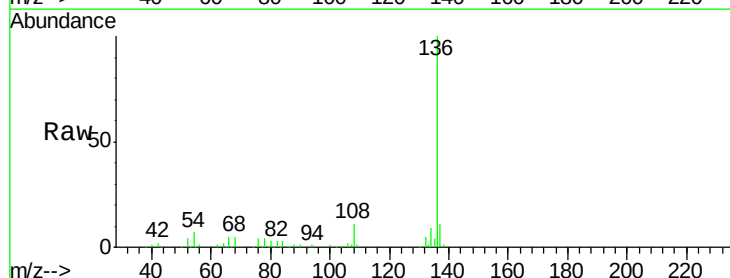
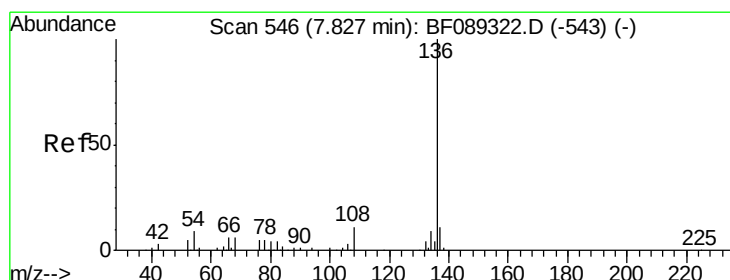
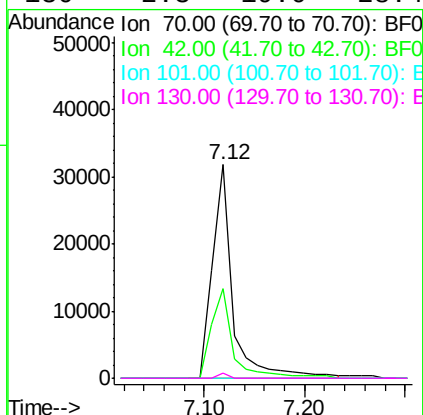
Ion Ratio Lower Upper

70 100

42 42.0 38.6 57.8

101 0.0 8.3 12.5#

130 2.3 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: BF089351.D

Acq: 28 Jul 2016 7:26

Tgt Ion: 136 Resp: 192545

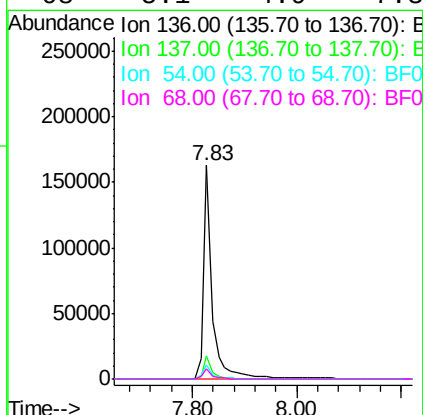
Ion Ratio Lower Upper

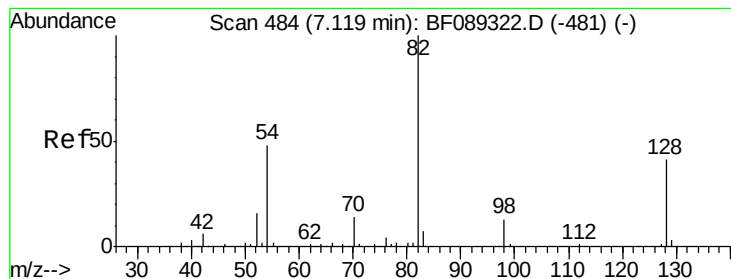
136 100

137 10.7 8.6 13.0

54 6.8 7.0 10.4#

68 5.1 4.9 7.3





#23

Nitrobenzene-d5

Concen: 104.29 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.00 min

Lab File: BF089351.D

Acq: 28 Jul 2016 7:26

Instrument :

BNA_F

ClientSampleId :

I-21

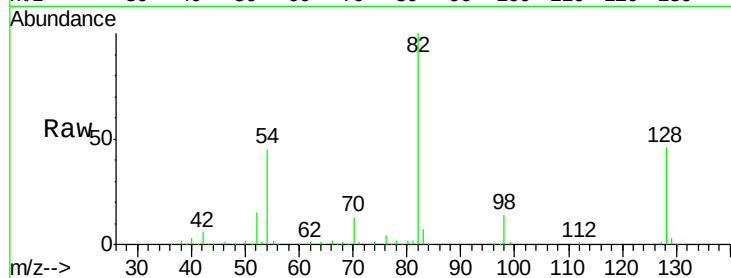
Tgt Ion: 82 Resp: 340197

Ion Ratio Lower Upper

82 100

128 46.3 32.5 48.7

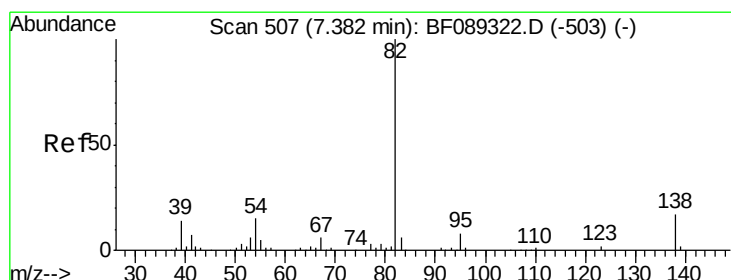
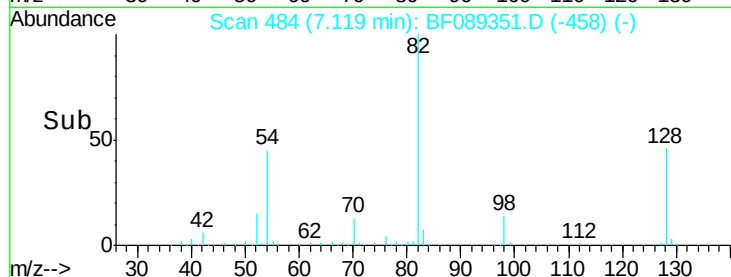
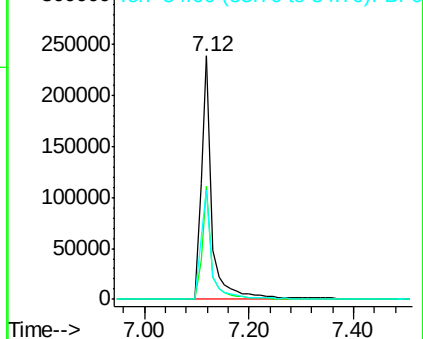
54 44.7 38.8 58.2



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: 40.96 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.26 min

Lab File: BF089351.D

Acq: 28 Jul 2016 7:26

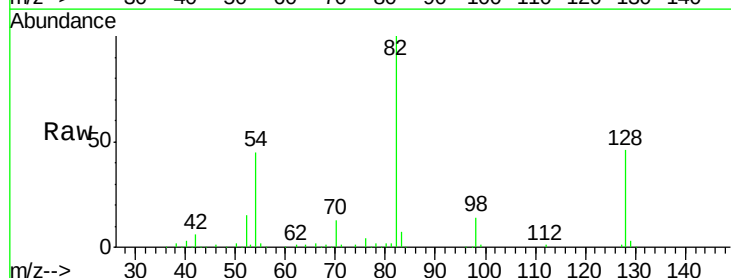
Tgt Ion: 82 Resp: 269183

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

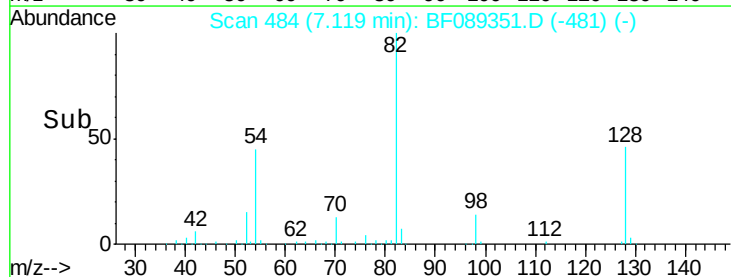
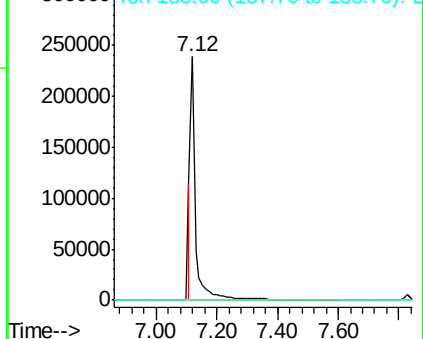
138 0.0 13.3 19.9#

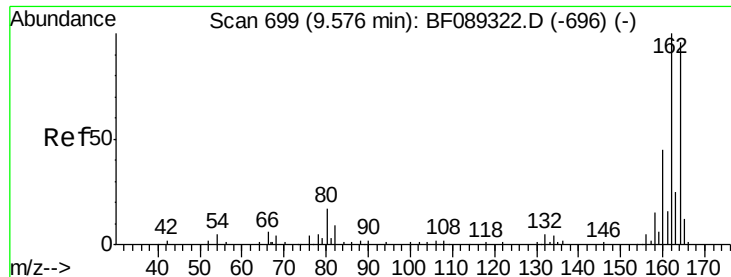


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

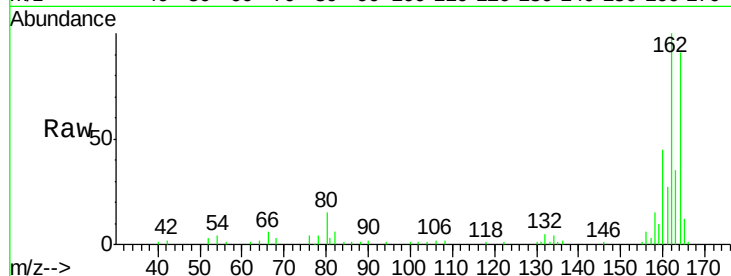




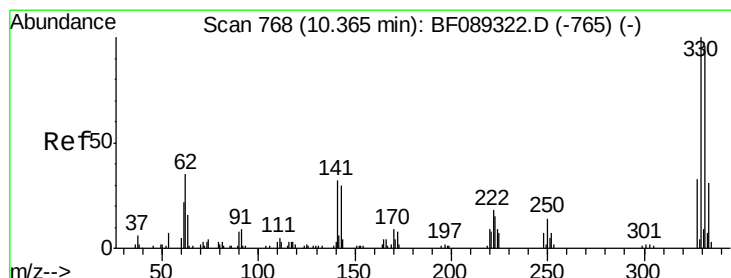
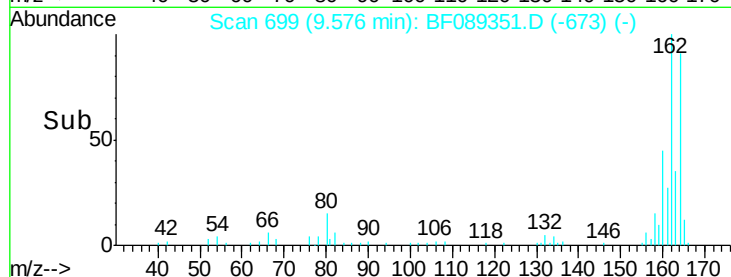
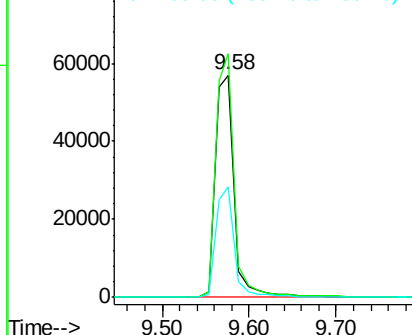
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. 0.00 min
 Lab File: BF089351.D
 Acq: 28 Jul 2016 7:26

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Tgt Ion:164 Resp: 87408
 Ion Ratio Lower Upper
 164 100
 162 109.5 83.7 125.5
 160 49.4 37.8 56.6

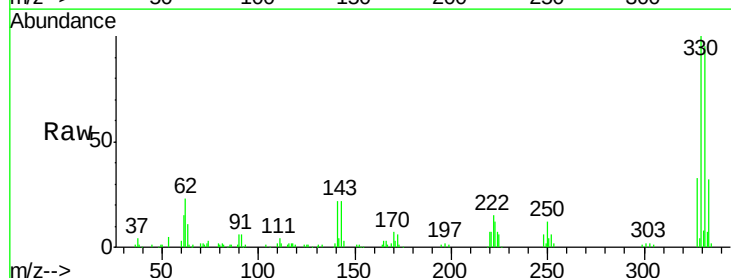


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

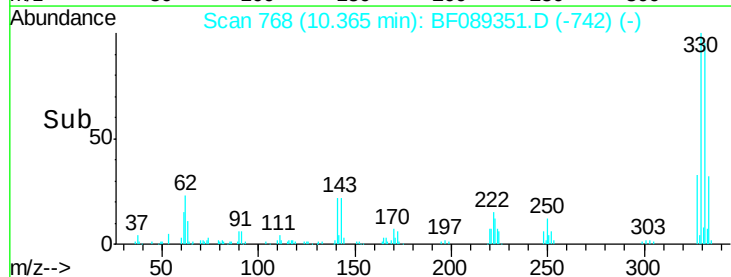
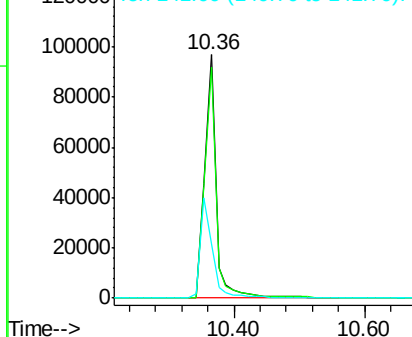


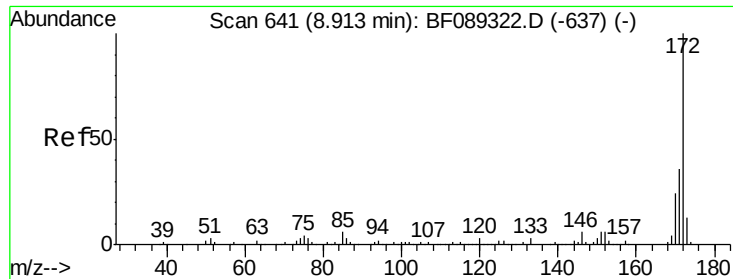
#41
 2,4,6-Tribromophenol
 Concen: 163.37 ng
 RT: 10.36 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BF089351.D
 Acq: 28 Jul 2016 7:26

Tgt Ion:330 Resp: 118271
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.8 115.2
 141 43.1 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

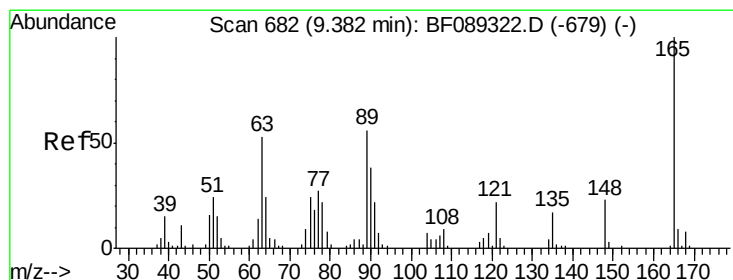
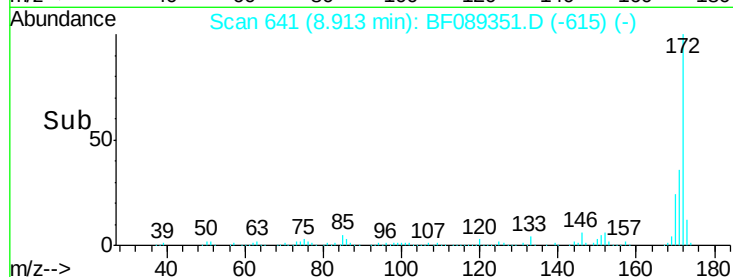
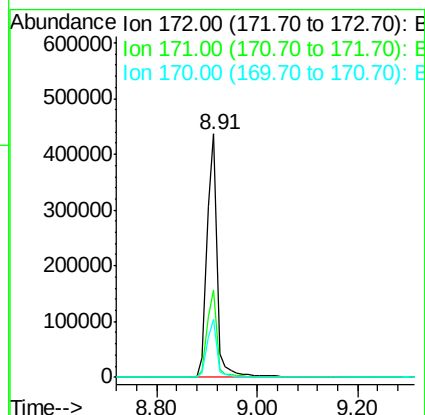
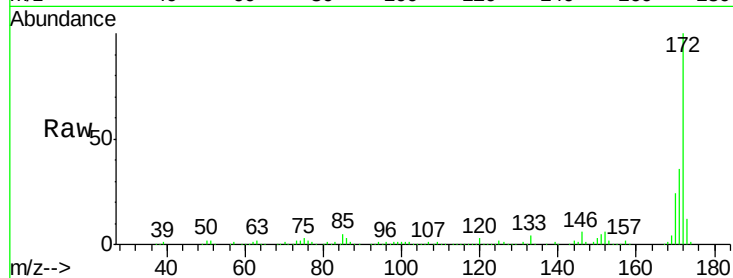




#44
 2-Fluorobiphenyl
 Concen: 103.30 ng
 RT: 8.91 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF089351.D
 Acq: 28 Jul 2016 7:26

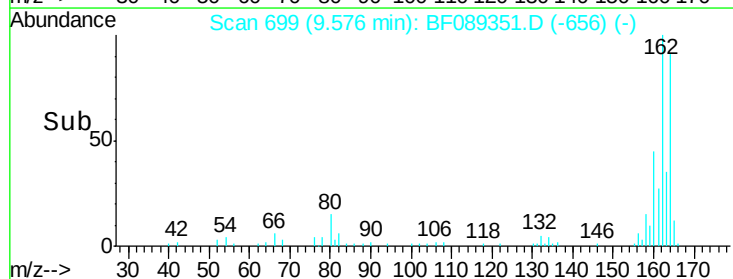
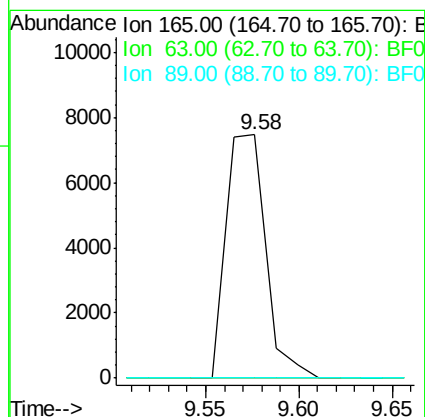
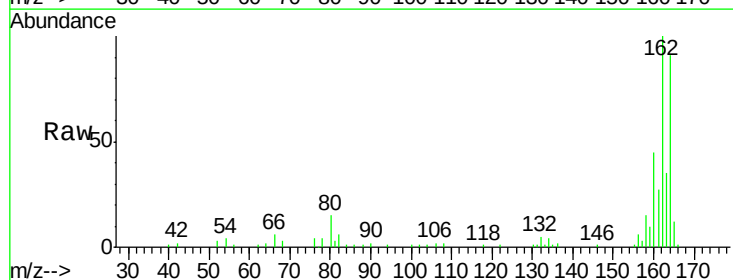
Instrument :
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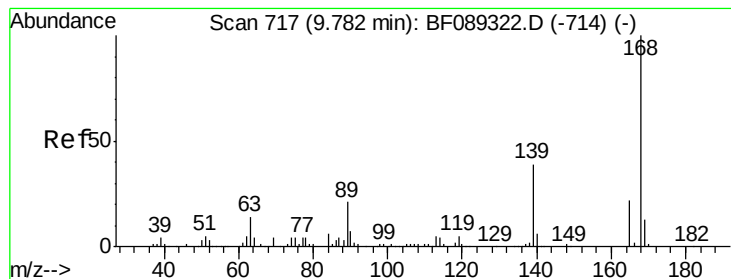
Tgt Ion:172 Resp: 615233
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.2 43.8
 170 23.6 19.2 28.8



#50
 2,6-Dinitrotoluene
 Concen: 8.12 ng
 RT: 9.58 min Scan# 699
 Delta R.T. 0.19 min
 Lab File: BF089351.D
 Acq: 28 Jul 2016 7:26

Tgt Ion:165 Resp: 11093
 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: 6.16 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.21 min

Lab File: BF089351.D

Acq: 28 Jul 2016 7:26

Instrument :

BNA_F

ClientSampleId :

I-21

Tgt Ion:165 Resp: 11093

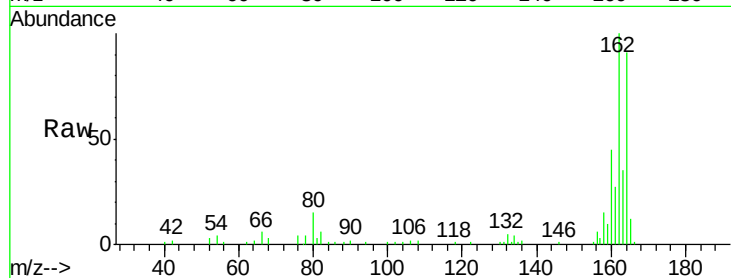
Ion Ratio Lower Upper

165 100

63 0.0 58.2 87.2#

89 0.0 79.1 118.7#

182 0.0 1.8 2.8#

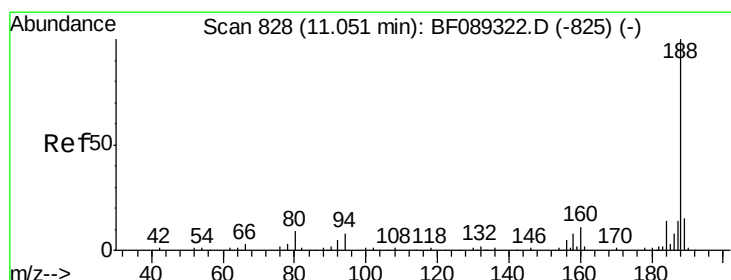
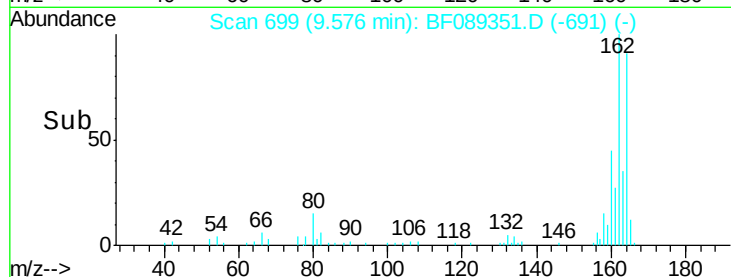
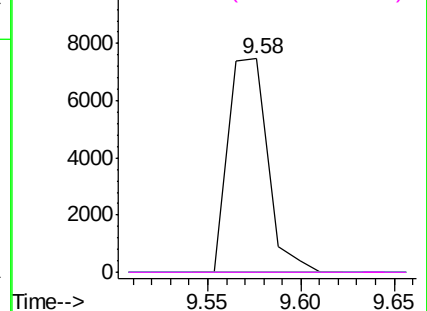


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF089351.D

Acq: 28 Jul 2016 7:26

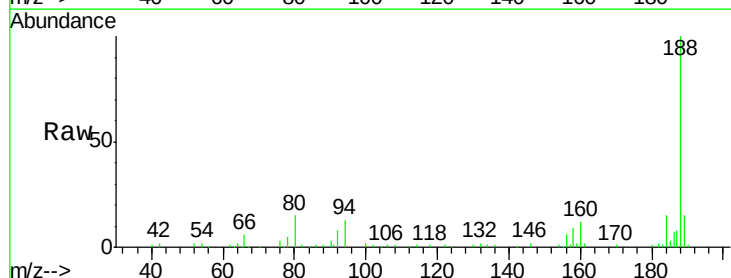
Tgt Ion:188 Resp: 176666

Ion Ratio Lower Upper

188 100

94 12.9 6.5 9.7#

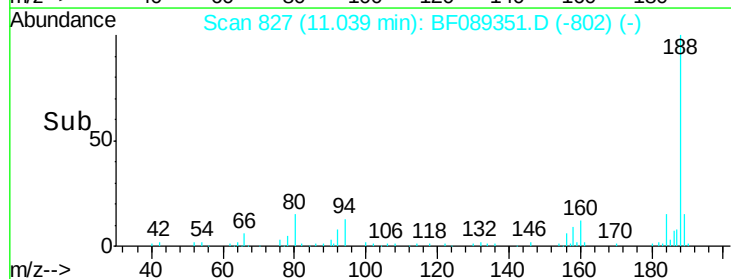
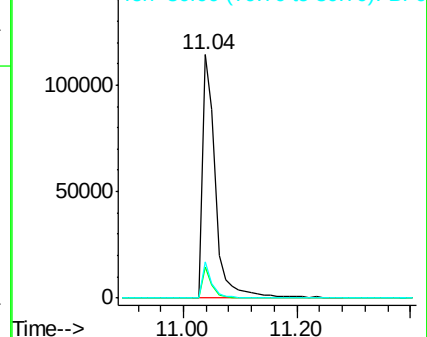
80 15.0 7.2 10.8#

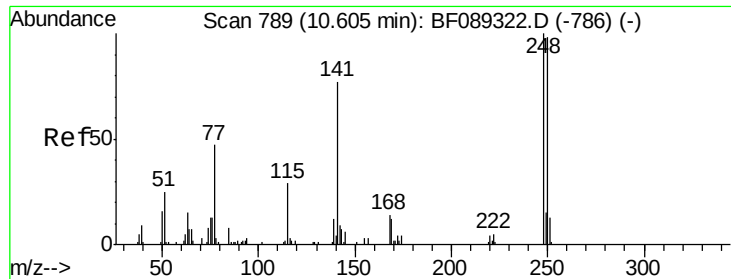


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

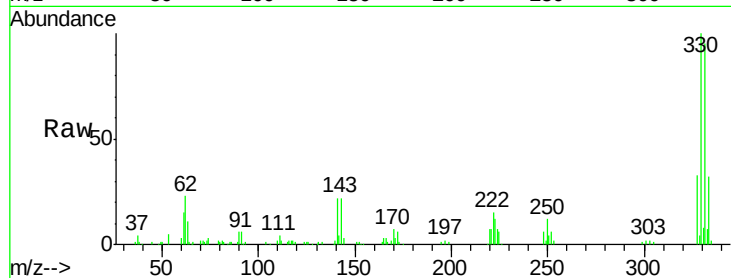




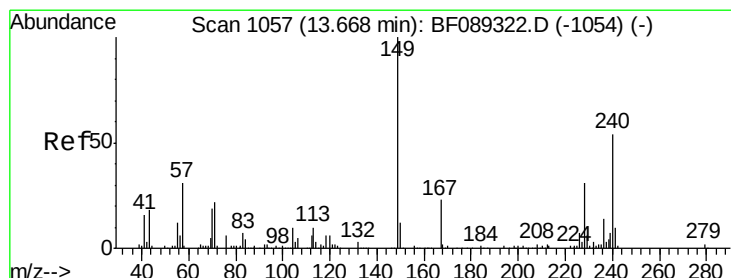
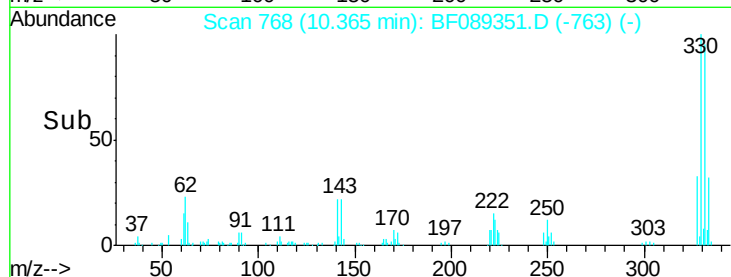
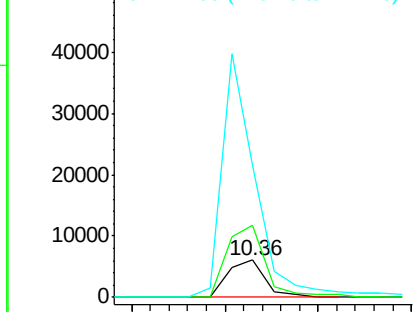
#66
4-Bromophenyl-phenylether
Concen: 4.91 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.24 min
Lab File: BF089351.D
Acq: 28 Jul 2016 7:26

Instrument :
BNA_F
ClientSampled :
I-21

Tgt Ion:248 Resp: 8274
Ion Ratio Lower Upper
248 100
250 194.0 78.2 117.2#
141 358.0 62.0 93.0#

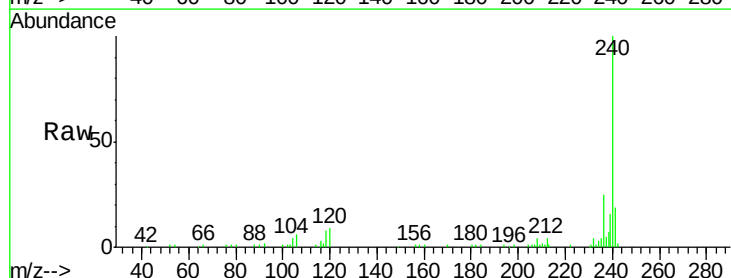


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

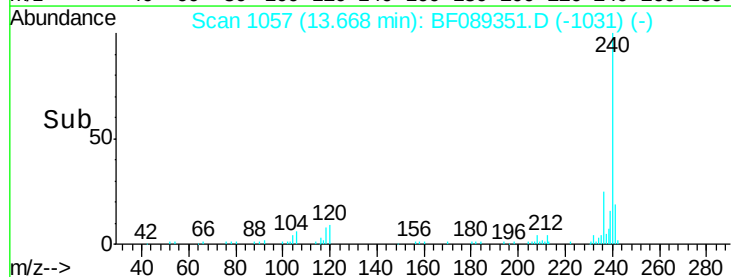
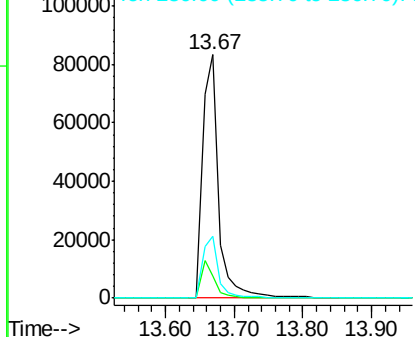


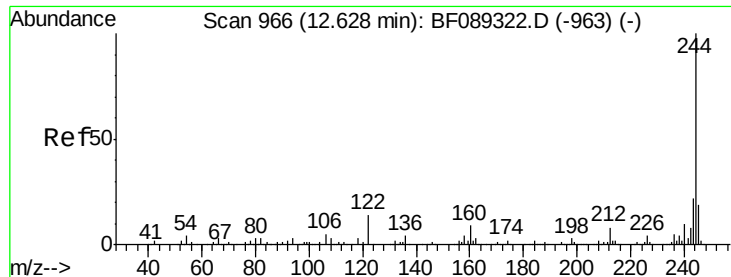
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.67 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BF089351.D
Acq: 28 Jul 2016 7:26

Tgt Ion:240 Resp: 132604
Ion Ratio Lower Upper
240 100
120 9.1 9.1 13.7#
236 25.2 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

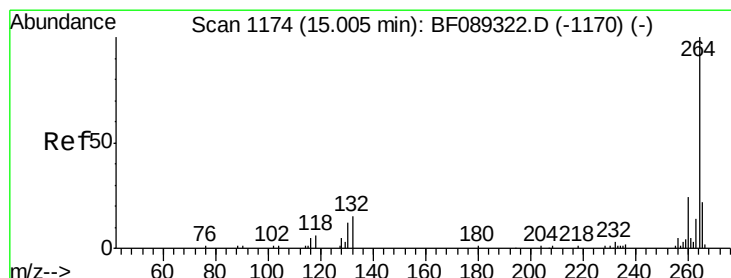
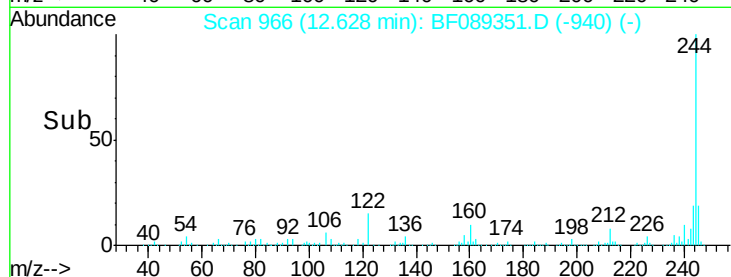
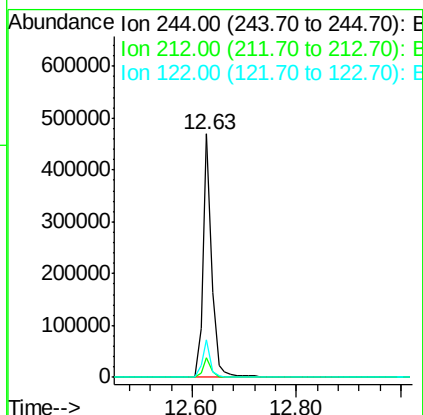
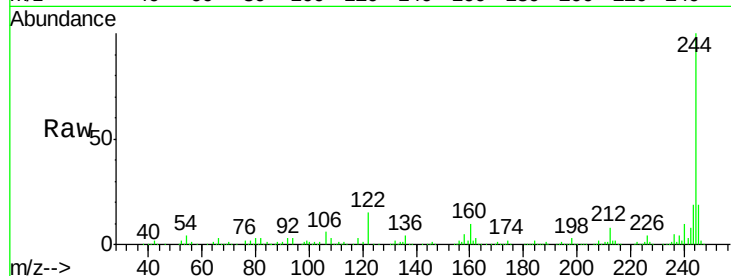




#78
 Terphenyl-d14
 Concen: 95.63 ng
 RT: 12.63 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: BF089351.D
 Acq: 28 Jul 2016 7:26

Instrument :
 BNA_F
 ClientSampleId :
 I-21

Tgt Ion:244 Resp: 541789
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.5 9.7
 122 15.2 11.4 17.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.99 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF089351.D
 Acq: 28 Jul 2016 7:26

Tgt Ion:264 Resp: 99742
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.4
 265 20.6 17.5 26.3

