

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072816\
 Data File : BF089347.D
 Acq On : 28 Jul 2016 5:30
 Operator : UM/SJ
 Sample : H4157-20
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 I-17

Quant Time: Jul 28 06:59:26 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	43417	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	198350	20.00	ng	0.00
38) Acenaphthene-d10	9.56	164	91033	20.00	ng	-0.01
63) Phenanthrene-d10	11.04	188	187724	20.00	ng	-0.01
75) Chrysene-d12	13.67	240	144652	20.00	ng	0.00
86) Perylene-d12	15.01	264	109124	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.13	112	327072	120.29	ng	0.02
7) Phenol-d6	6.20	99	440378	122.55	ng	0.00
23) Nitrobenzene-d5	7.12	82	313536	93.30	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	111359	147.70	ng	0.00
44) 2-Fluorobiphenyl	8.91	172	574618	92.64	ng	0.00
78) Terphenyl-d14	12.63	244	535952	86.72	ng	0.00

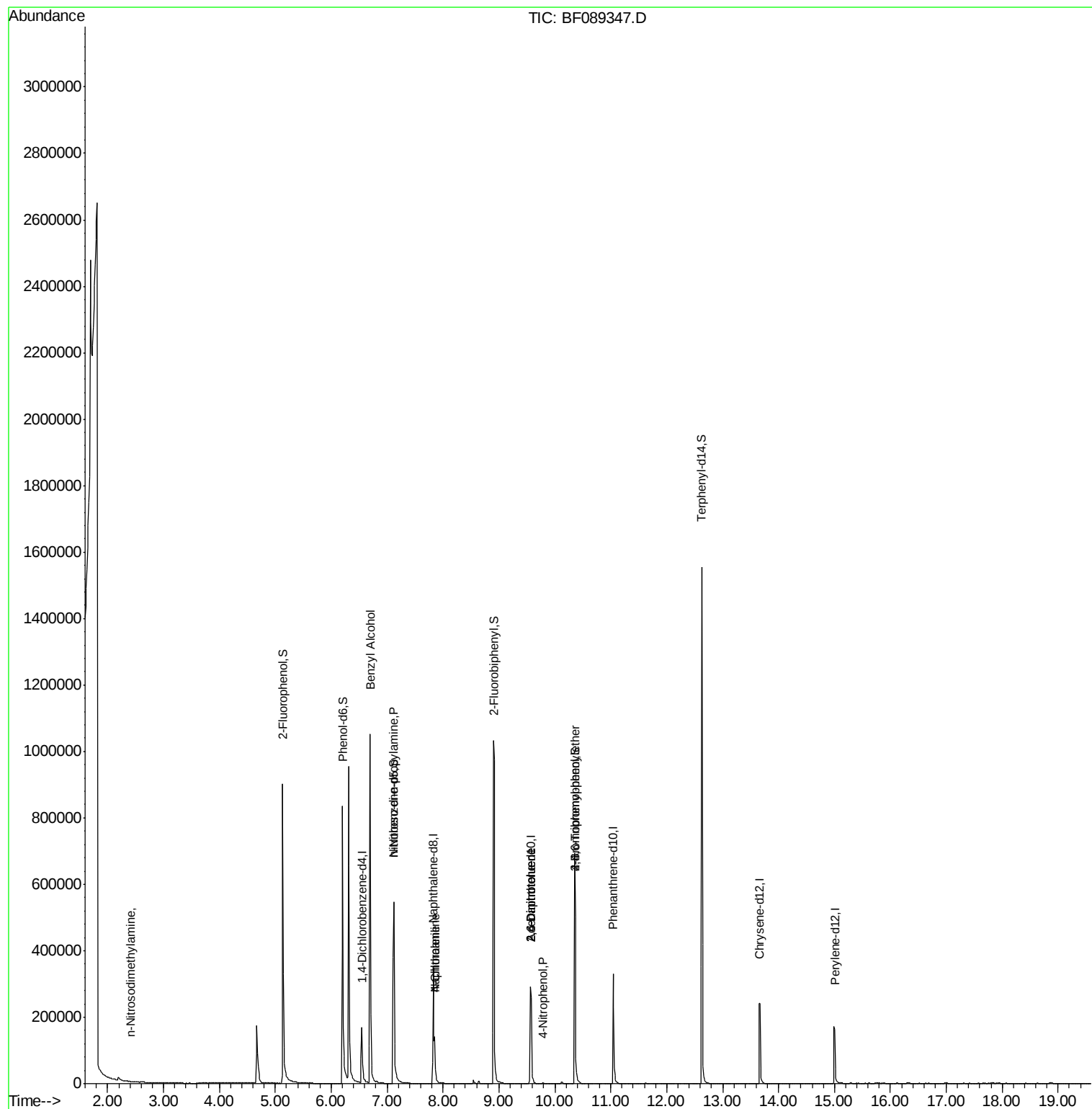
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	2.42	42	209	7.89	ng	# 1
15) Benzyl Alcohol	6.70	79	4742	2.13	ng	# 47
19) n-Nitroso-di-n-propylamine	7.12	70	41357	19.09	ng	# 77
31) Naphthalene	7.85	128	86272	8.78	ng	# 99
33) 4-Chloroaniline	7.85	127	10432	2.79	ng	# 38
50) 2,6-Dinitrotoluene	9.56	165	11027	7.75	ng	# 24
55) 4-Nitrophenol	9.78	139	901	7.32	ng	# 4
56) 2,4-Dinitrotoluene	9.56	165	11027	5.88	ng	# 7
66) 4-Bromophenyl-phenylether	10.36	248	8011	4.47	ng	# 1

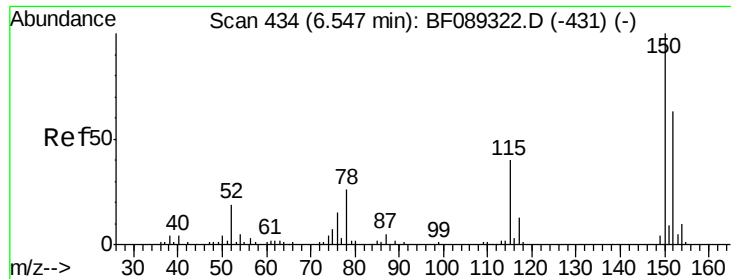
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF089347.D

Acq: 28 Jul 2016 5:30

Instrument :

BNA_F

ClientSampleId :

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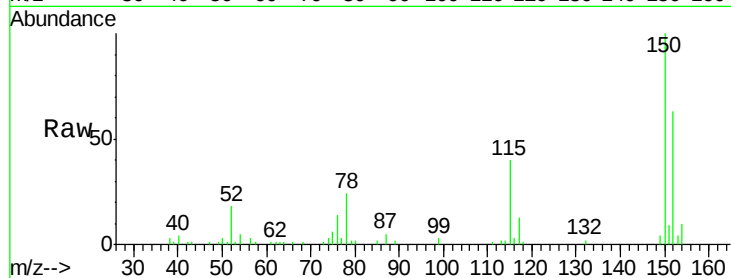
Tgt Ion:152 Resp: 43417

Ion Ratio Lower Upper

152 100

150 158.1 129.5 194.3

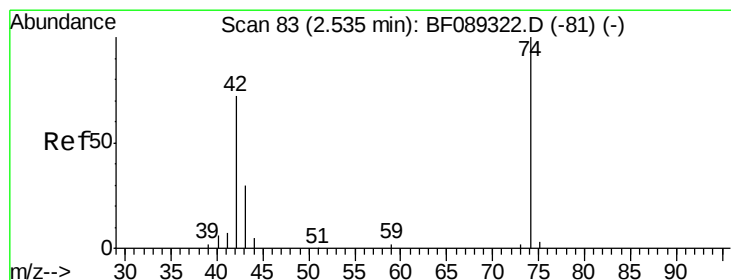
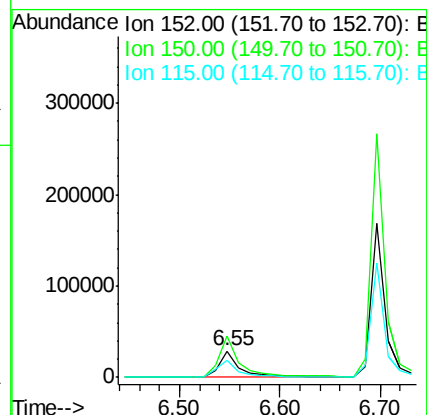
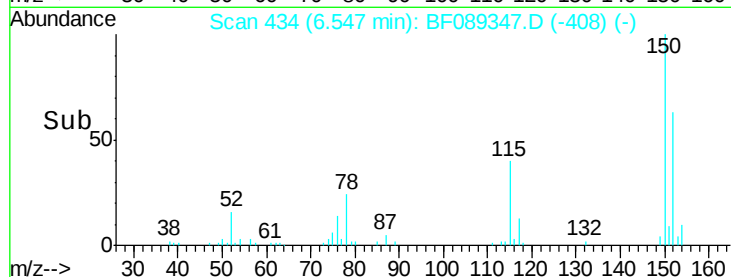
115 62.6 51.4 77.2



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



#4

n-Nitrosodimethylamine

Concen: 7.89 ng

RT: 2.42 min Scan# 73

Delta R.T. -0.11 min

Lab File: BF089347.D

Acq: 28 Jul 2016 5:30

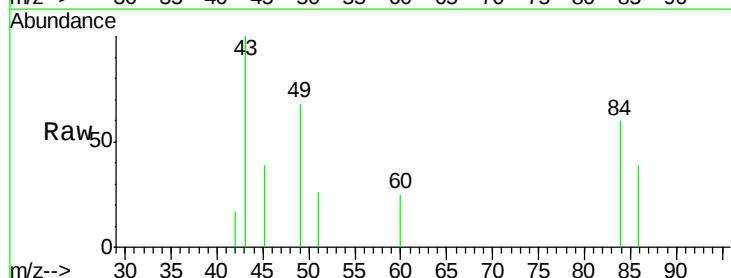
Tgt Ion: 42 Resp: 209

Ion Ratio Lower Upper

42 100

74 0.0 110.8 166.2#

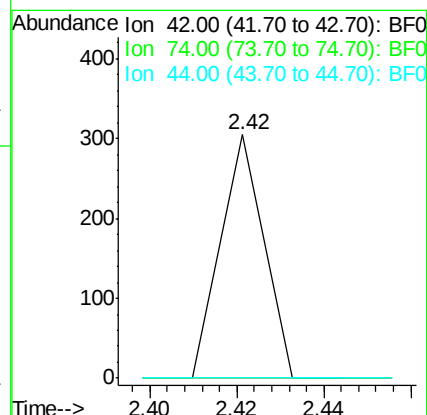
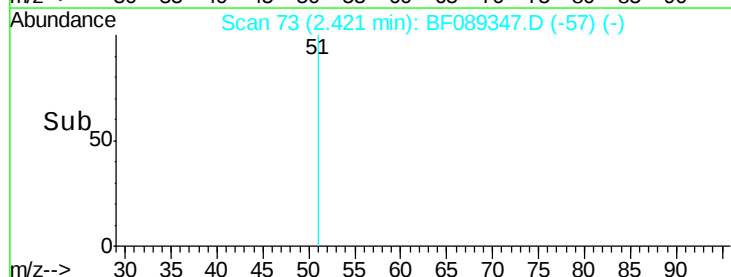
44 0.0 5.2 7.8#

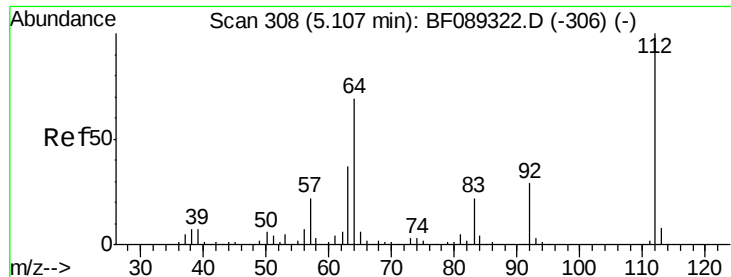


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 120.29 ng

RT: 5.13 min Scan# 310

Delta R.T. 0.02 min

Lab File: BF089347.D

Acq: 28 Jul 2016 5:30

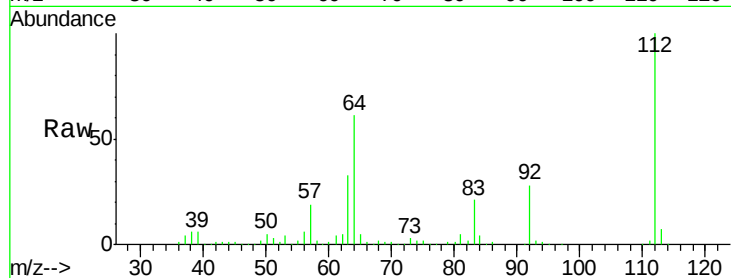
Instrument :

BNA_F

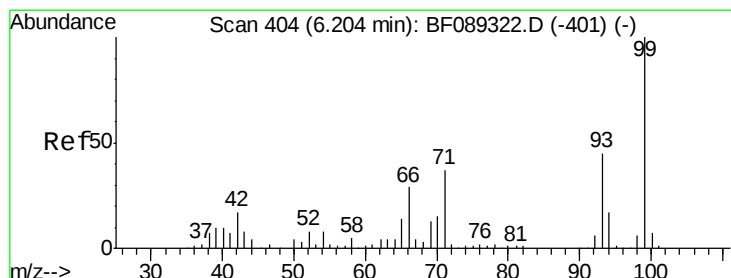
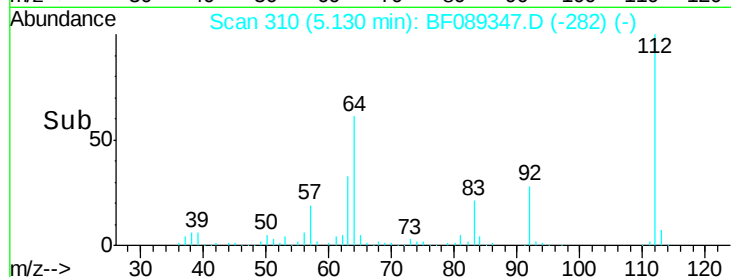
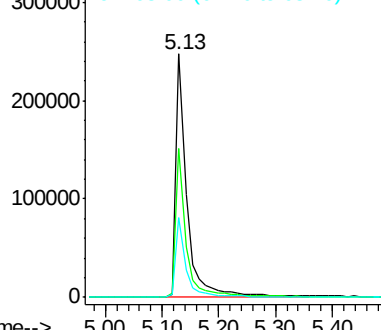
ClientSampleId :

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Tgt Ion:	112	Resp:	327072
Ion	Ratio	Lower	Upper
112	100		
64	61.2	55.0	82.6
63	33.0	29.4	44.2



Abundance Ion 112.00 (111.70 to 112.70): BF089322.D (-306) (-)



#7

Phenol-d6

Concen: 122.55 ng

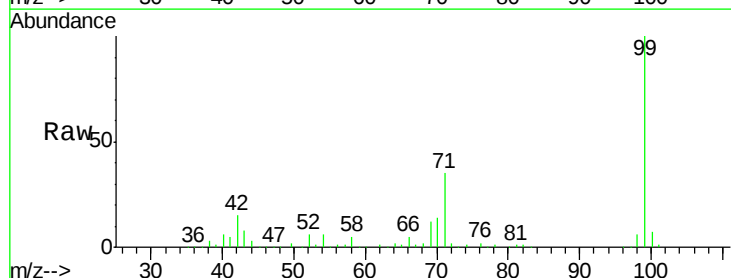
RT: 6.20 min Scan# 404

Delta R.T. 0.00 min

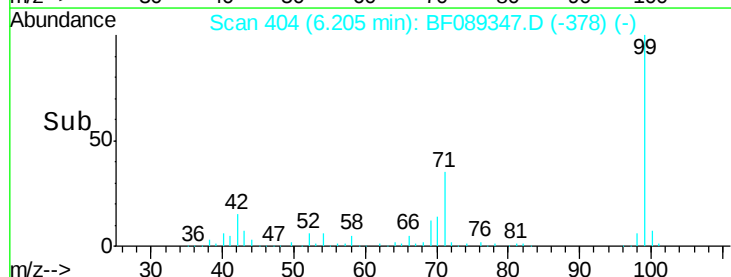
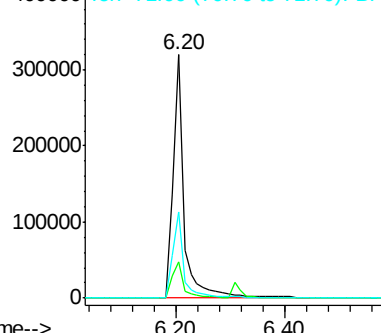
Lab File: BF089347.D

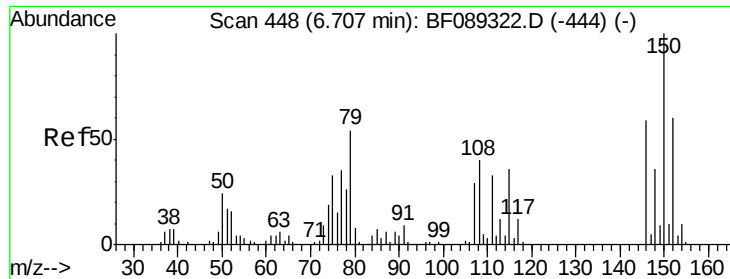
Acq: 28 Jul 2016 5:30

Tgt Ion:	99	Resp:	440378
Ion	Ratio	Lower	Upper
99	100		
42	14.9	13.6	20.4
71	35.2	29.4	44.2



Abundance Ion 99.00 (98.70 to 99.70): BF089322.D (-401) (-)

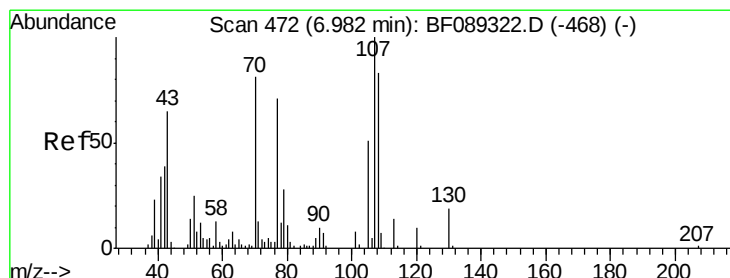
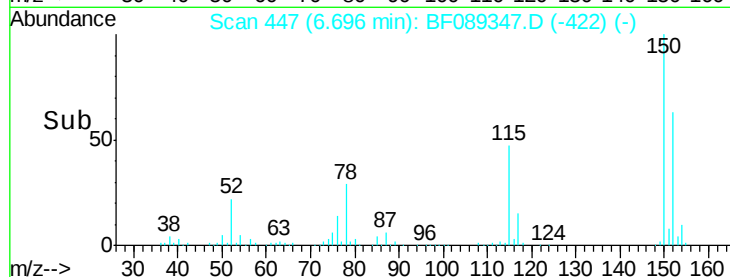
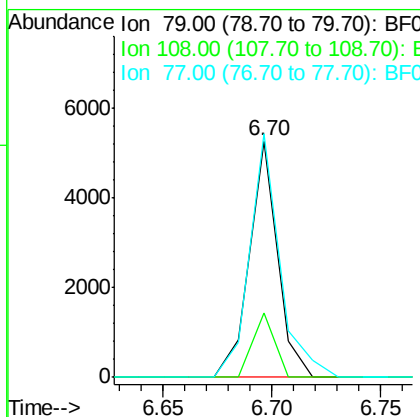
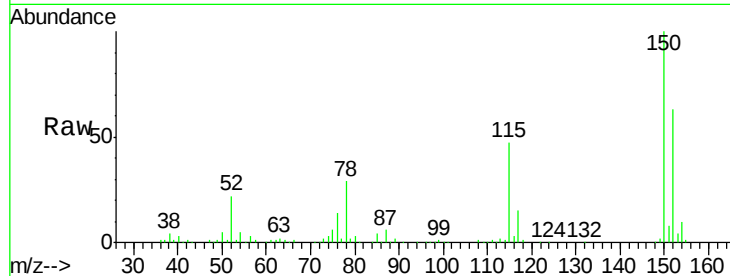




#15
Benzyl Alcohol
Concen: 2.13 ng
RT: 6.70 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF089347.D
Acq: 28 Jul 2016 5:30

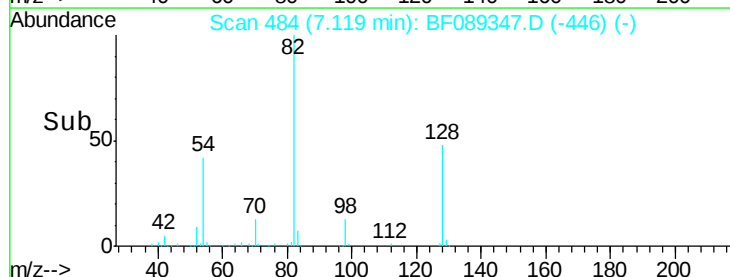
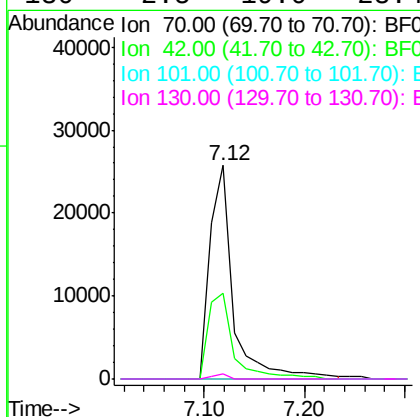
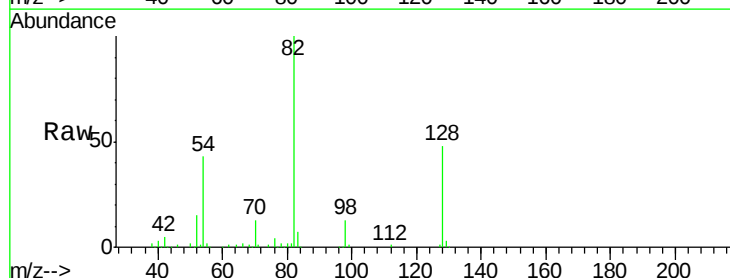
Instrument :
BNA_F
ClientSampleId :
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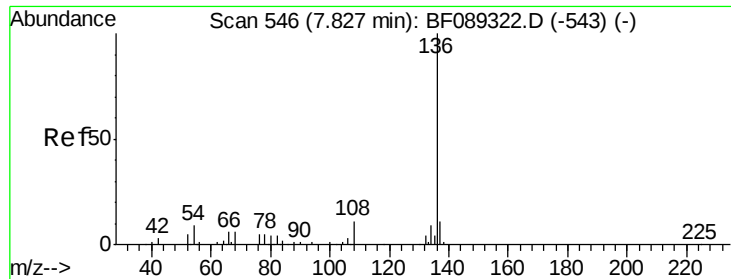
Tgt Ion: 79 Resp: 4742
Ion Ratio Lower Upper
79 100
108 27.1 59.8 89.6#
77 103.2 51.7 77.5#



#19
n-Nitroso-di-n-propylamine
Concen: 19.09 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.14 min
Lab File: BF089347.D
Acq: 28 Jul 2016 5:30

Tgt Ion: 70 Resp: 41357
Ion Ratio Lower Upper
70 100
42 39.9 38.6 57.8
101 0.0 8.3 12.5#
130 2.5 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: BF089347.D

Acq: 28 Jul 2016 5:30

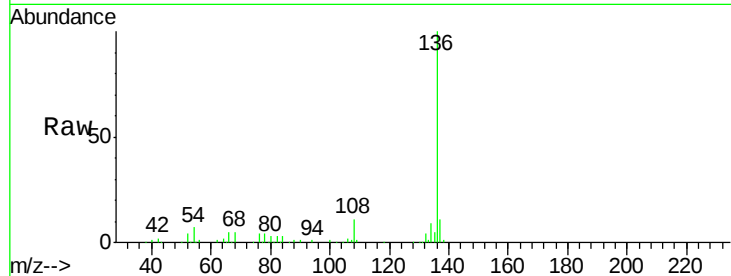
Instrument :

BNA_F

ClientSampleId :

I-17

Tgt Ion:	136	Resp:	198350
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	6.9	7.0	10.4#
68	5.0	4.9	7.3

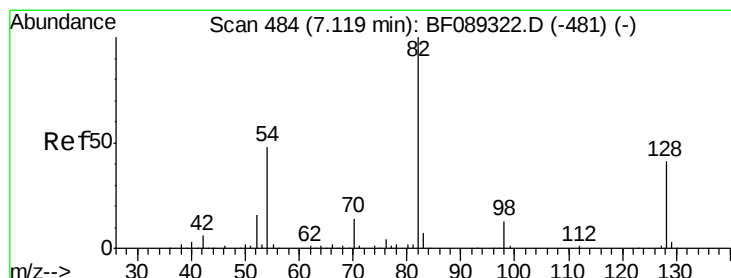
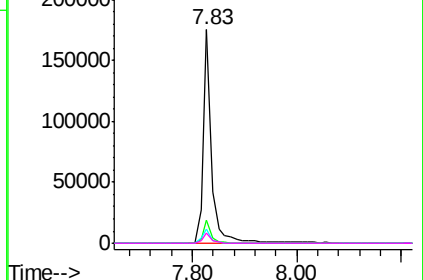
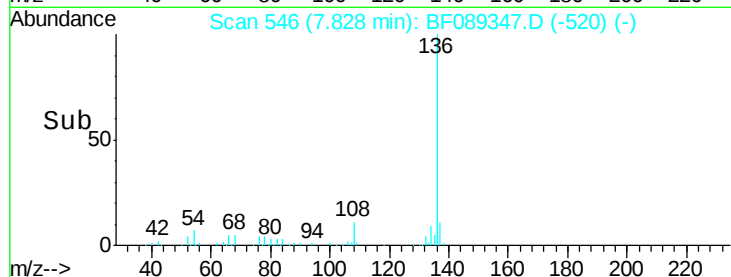


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.30 ng

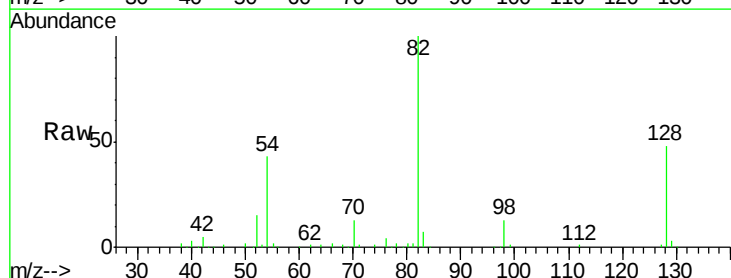
RT: 7.12 min Scan# 484

Delta R.T. 0.00 min

Lab File: BF089347.D

Acq: 28 Jul 2016 5:30

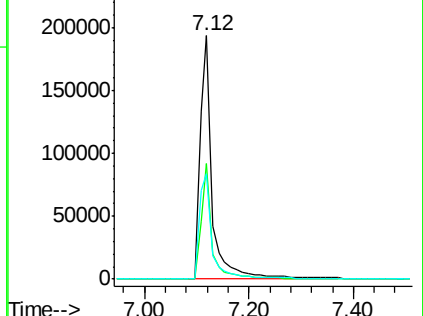
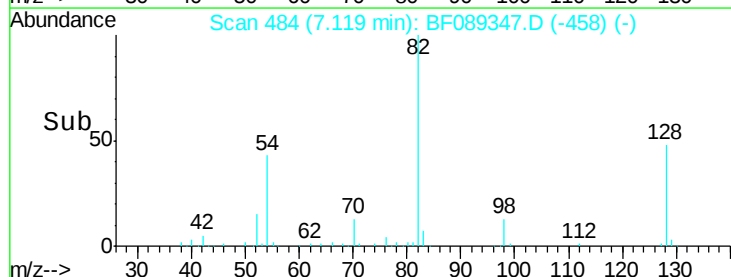
Tgt Ion:	82	Resp:	313536
Ion	Ratio	Lower	Upper
82	100		
128	47.7	32.5	48.7
54	43.4	38.8	58.2

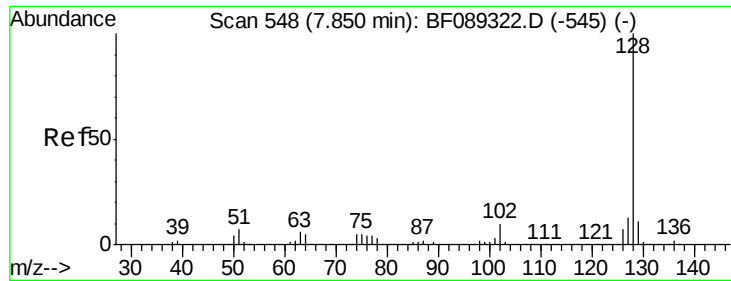


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

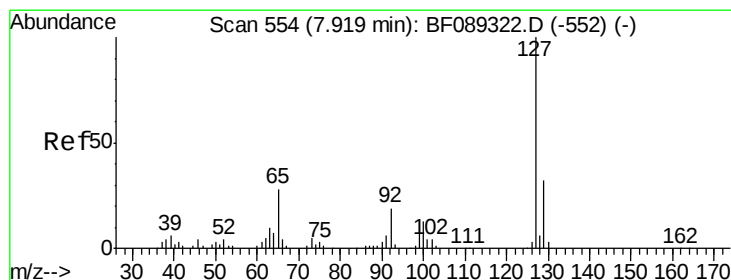
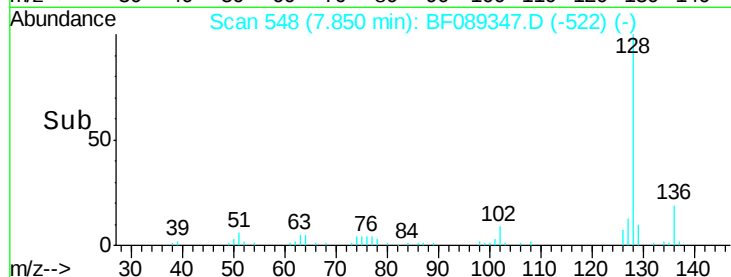
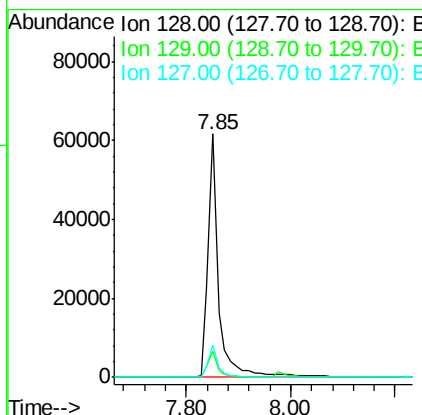
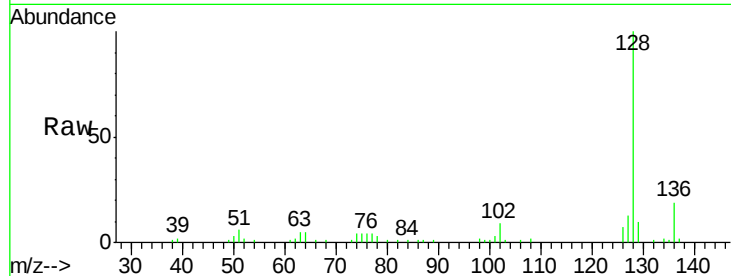




#31
Naphthalene
Concen: 8.78 ng
RT: 7.85 min Scan# 548
Delta R.T. 0.00 min
Lab File: BF089347.D
Acq: 28 Jul 2016 5:30

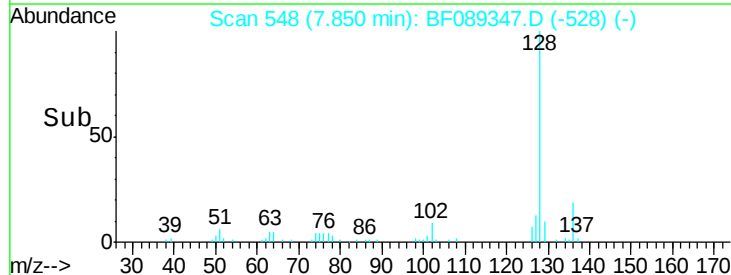
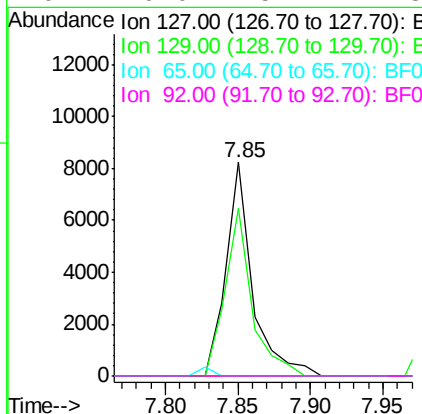
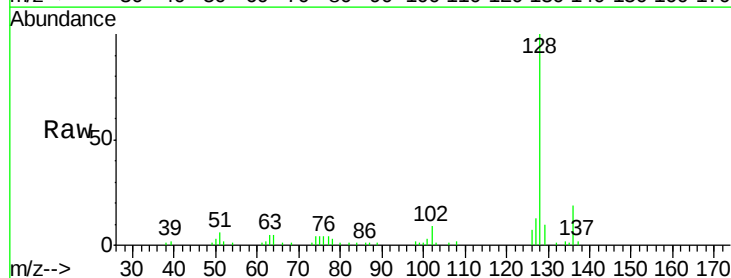
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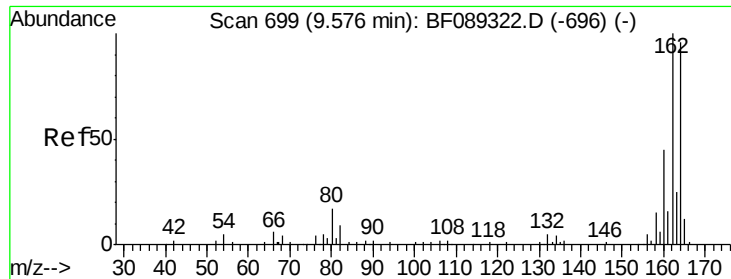
Tgt Ion:128 Resp: 86272
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 13.4 10.8 16.2



#33
4-Chloroaniline
Concen: 2.79 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.07 min
Lab File: BF089347.D
Acq: 28 Jul 2016 5:30

Tgt Ion:127 Resp: 10432
Ion Ratio Lower Upper
127 100
129 78.6 26.1 39.1#
65 0.0 22.0 33.0#
92 0.0 15.2 22.8#

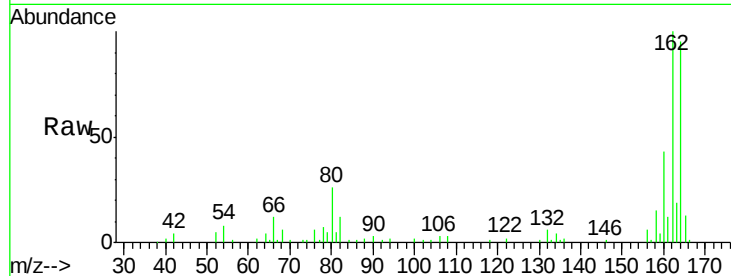




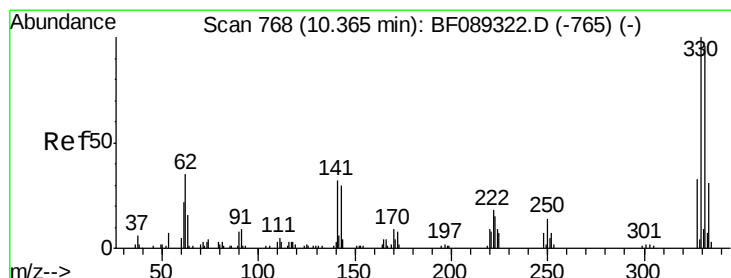
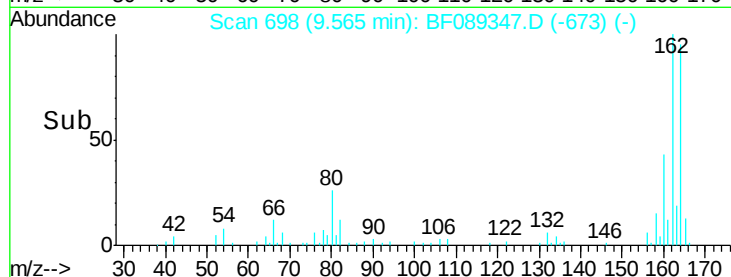
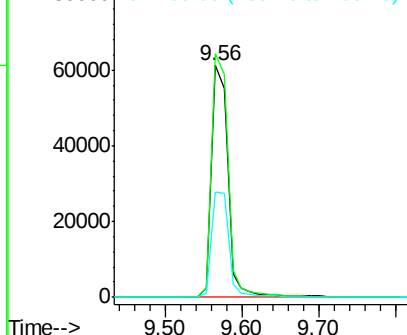
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: BF089347.D
 Acq: 28 Jul 2016 5:30

Instrument :
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 ClientSampleId :
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Tgt Ion:164 Resp: 91033
 Ion Ratio Lower Upper
 164 100
 162 105.0 83.7 125.5
 160 45.3 37.8 56.6

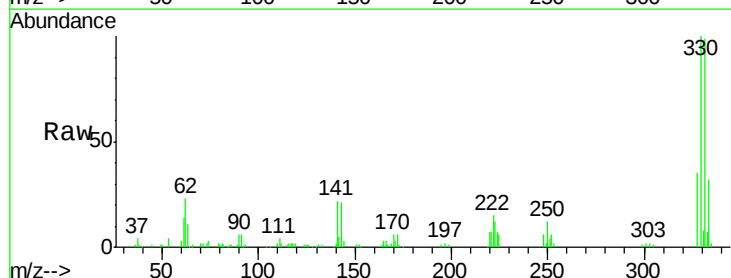


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

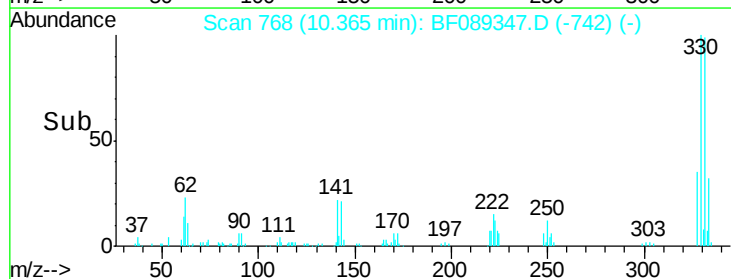
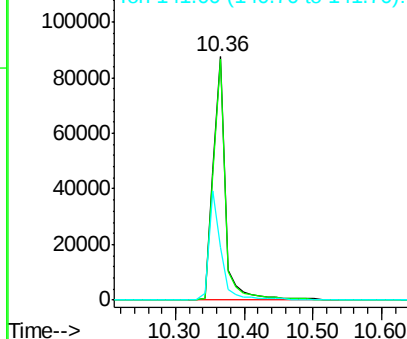


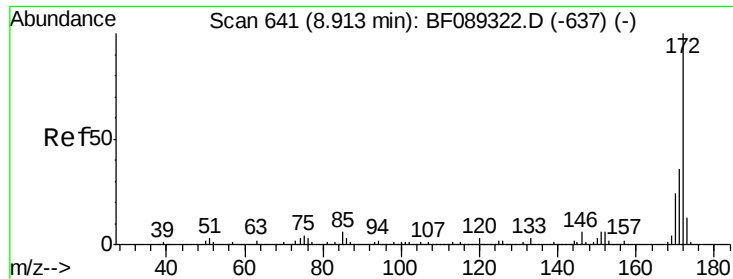
#41
 2,4,6-Tribromophenol
 Concen: 147.70 ng
 RT: 10.36 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BF089347.D
 Acq: 28 Jul 2016 5:30

Tgt Ion:330 Resp: 111359
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.8 115.2
 141 43.6 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

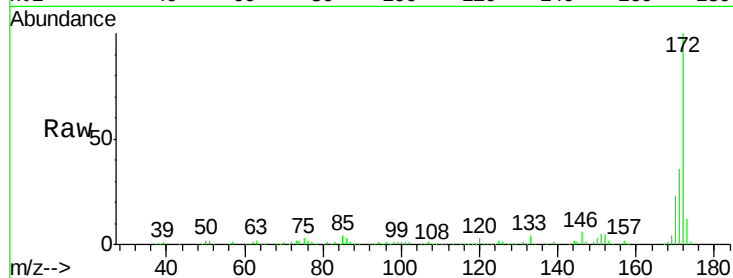




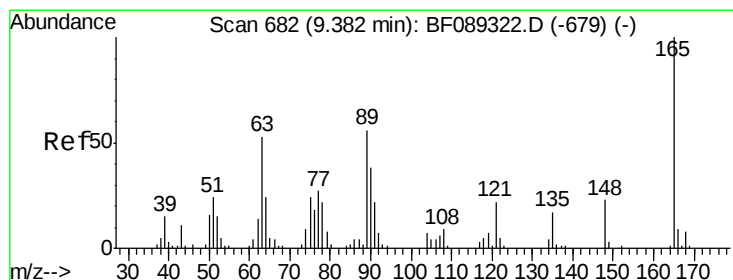
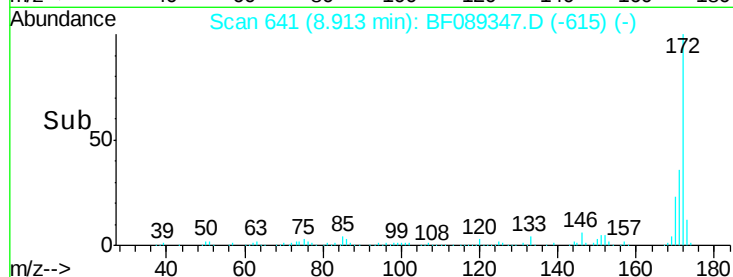
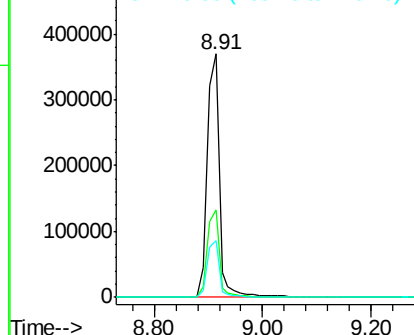
#44
 2-Fluorobiphenyl
 Concen: 92.64 ng
 RT: 8.91 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF089347.D
 Acq: 28 Jul 2016 5:30

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 ClientSampleId :
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Tgt Ion:172 Resp: 574618
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.2 43.8
 170 23.4 19.2 28.8

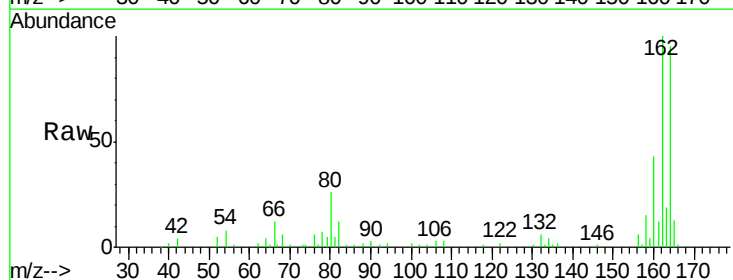


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

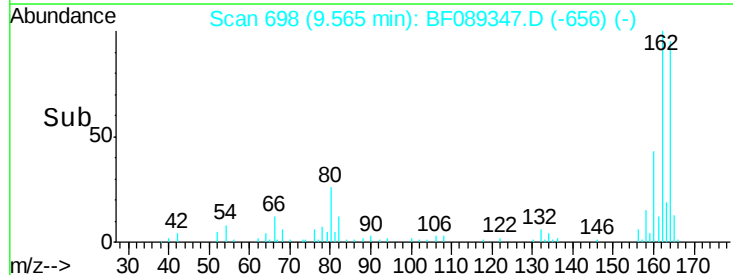
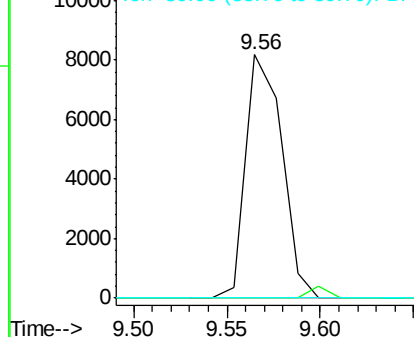


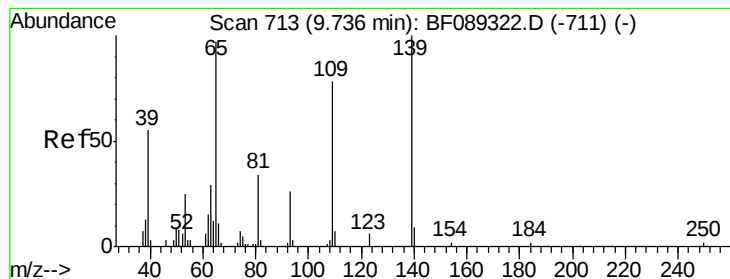
#50
 2,6-Dinitrotoluene
 Concen: 7.75 ng
 RT: 9.56 min Scan# 698
 Delta R.T. 0.18 min
 Lab File: BF089347.D
 Acq: 28 Jul 2016 5:30

Tgt Ion:165 Resp: 11027
 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





#55

4-Nitrophenol

Concen: 7.32 ng

RT: 9.78 min Scan# 717

Delta R.T. 0.05 min

Lab File: BF089347.D

Acq: 28 Jul 2016 5:30

Instrument :

BNA_F

ClientSampleId :

I-17

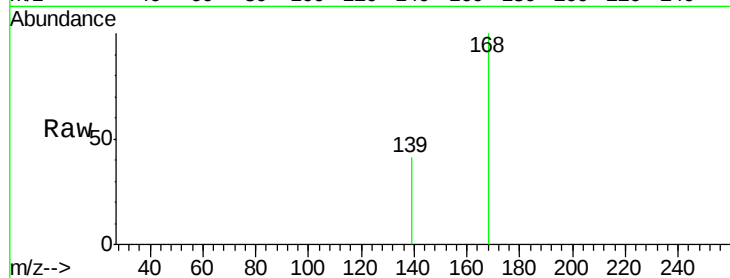
Tgt Ion:139 Resp: 901

Ion Ratio Lower Upper

139 100

109 0.0 57.8 97.8#

65 0.0 81.7 121.7#

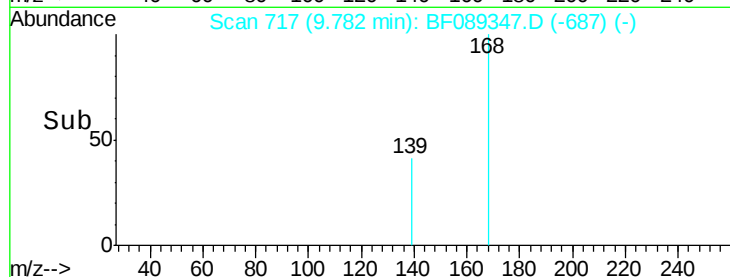


Abundance Ion 139.00 (138.70 to 139.70): E

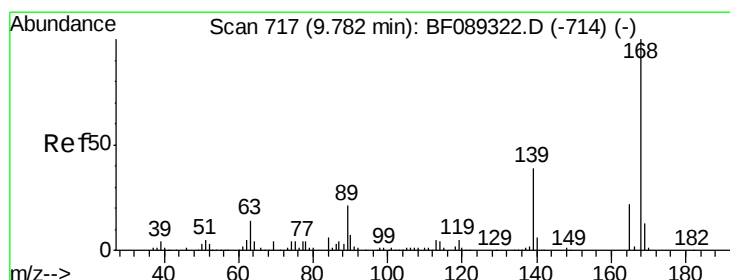
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

Time-->



Time-->



#56

2,4-Dinitrotoluene

Concen: 5.88 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.22 min

Lab File: BF089347.D

Acq: 28 Jul 2016 5:30

Tgt Ion:165 Resp: 11027

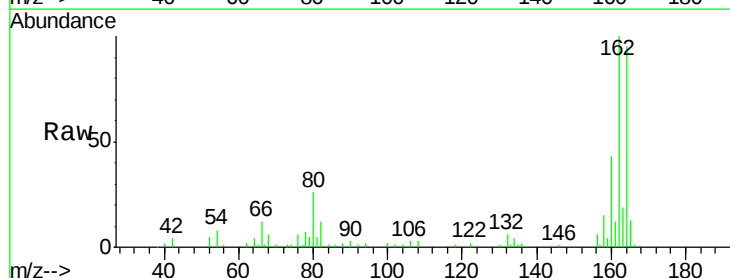
Ion Ratio Lower Upper

165 100

63 0.0 58.2 87.2#

89 0.0 79.1 118.7#

182 0.0 1.8 2.8#



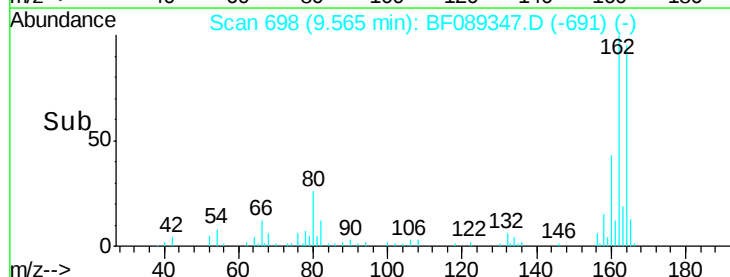
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): E

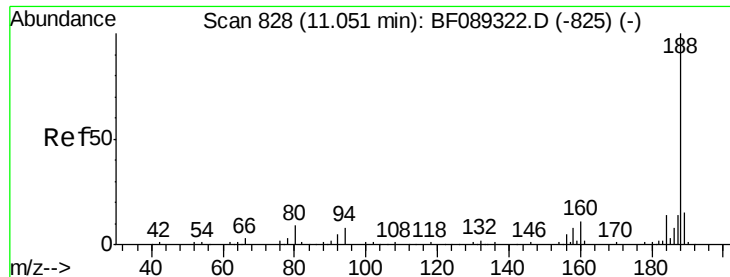
Ion 89.00 (88.70 to 89.70): E

Ion 182.00 (181.70 to 182.70): E

Time-->



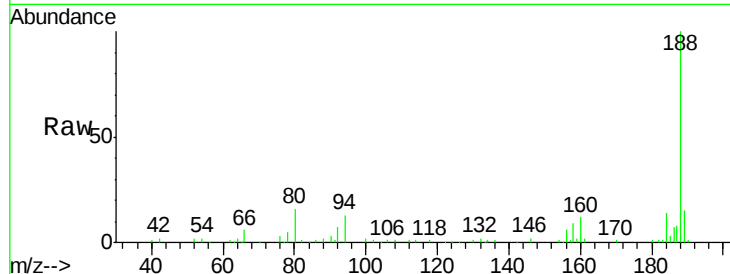
Time-->



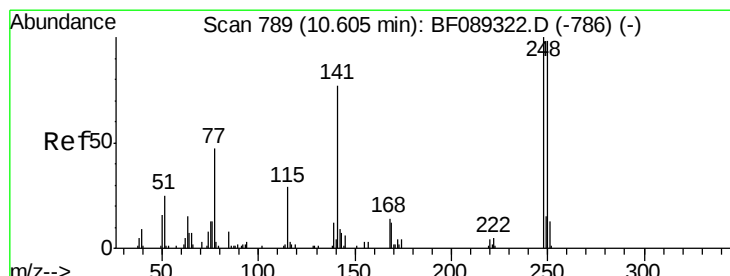
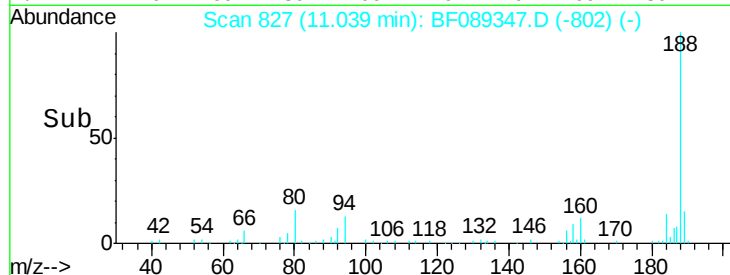
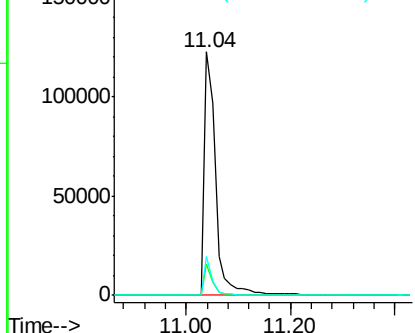
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.04 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BF089347.D
 Acq: 28 Jul 2016 5:30

Instrument :
 BNA_F
 ClientSampleId :
 I-17

Tgt Ion:188 Resp: 187724
 Ion Ratio Lower Upper
 188 100
 94 12.7 6.5 9.7#
 80 15.8 7.2 10.8#

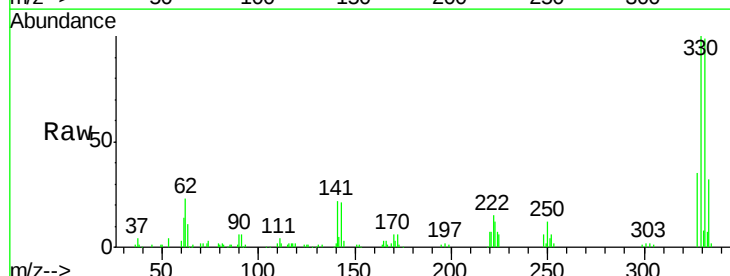


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

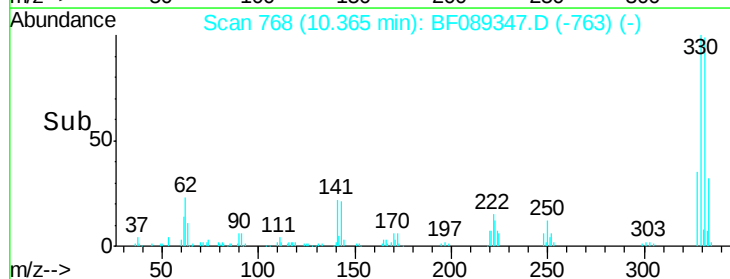
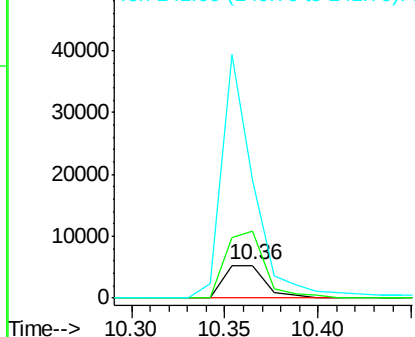


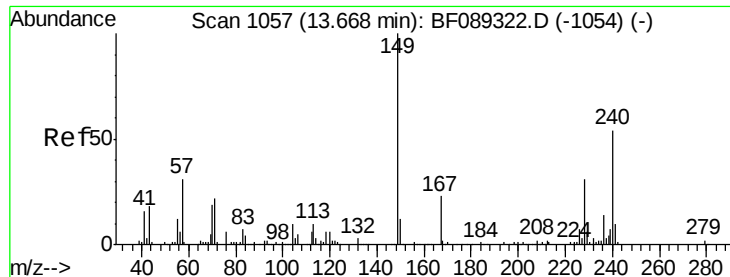
#66
 4-Bromophenyl-phenylether
 Concen: 4.47 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.24 min
 Lab File: BF089347.D
 Acq: 28 Jul 2016 5:30

Tgt Ion:248 Resp: 8011
 Ion Ratio Lower Upper
 248 100
 250 205.7 78.2 117.2#
 141 365.9 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: BF089347.D

Acq: 28 Jul 2016 5:30

Instrument :

BNA_F

ClientSampleId :

I-17

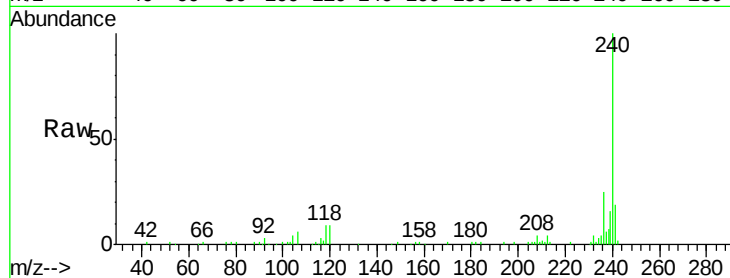
Tgt Ion:240 Resp: 144652

Ion Ratio Lower Upper

240 100

120 8.8 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

120000

100000

80000

60000

40000

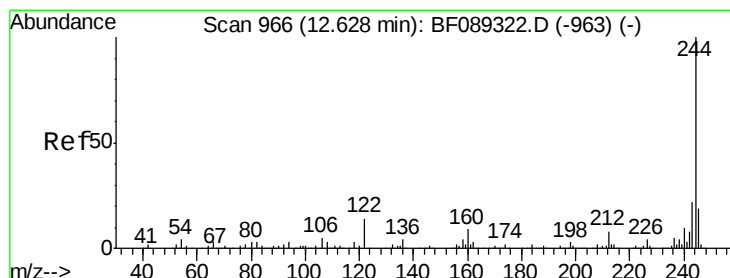
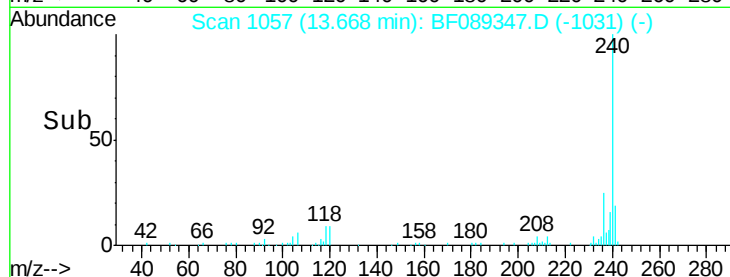
20000

0

13.60

13.80

Time-->



#78

Terphenyl-d14

Concen: 86.72 ng

RT: 12.63 min Scan# 966

Delta R.T. 0.00 min

Lab File: BF089347.D

Acq: 28 Jul 2016 5:30

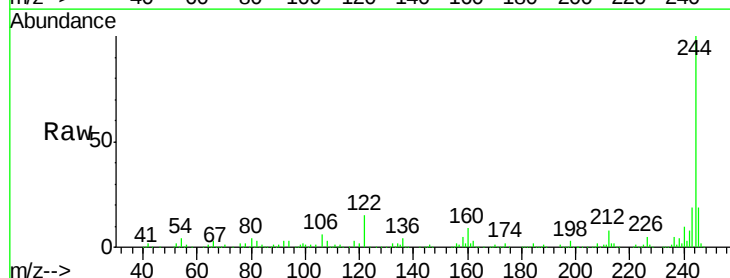
Tgt Ion:244 Resp: 535952

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

122 15.4 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

600000

500000

400000

300000

200000

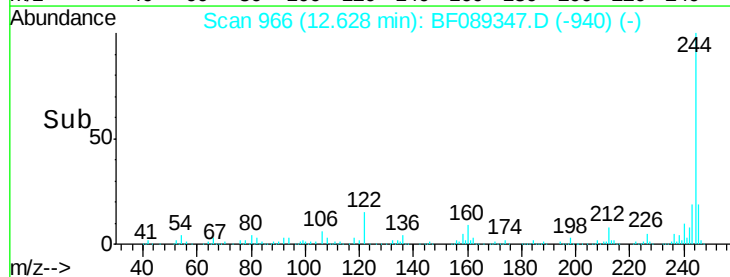
100000

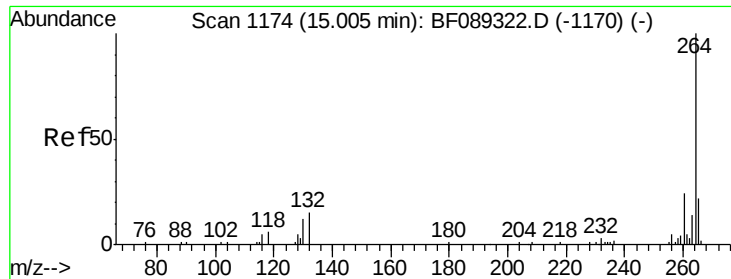
0

12.60

12.80

Time-->

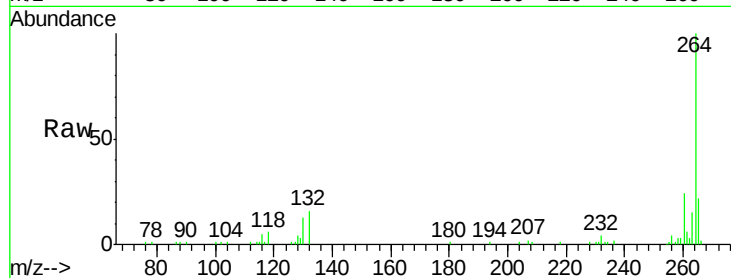




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF089347.D
Acq: 28 Jul 2016 5:30

Instrument :
BNA_F
ClientSampleId :
I-17

Tgt Ion: 264 Resp: 109124
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.4
265 21.7 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

