

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089387.D
 Acq On : 29 Jul 2016 3:04
 Operator : UM/SJ
 Sample : H4216-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-5(LOT112BACK)0-1

Quant Time: Jul 29 03:38:23 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	52078	20.00	ng	-0.02
21) Naphthalene-d8	7.82	136	200616	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	87060	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	142126	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	103356	20.00	ng	-0.02
86) Perylene-d12	14.98	264	83502	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.10	112	297647	91.26	ng	-0.01
7) Phenol-d6	6.18	99	380202	88.21	ng	-0.02
23) Nitrobenzene-d5	7.10	82	238364	70.13	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	60938	84.51	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	409159	68.97	ng	-0.02
78) Terphenyl-d14	12.61	244	247505	56.05	ng	-0.02

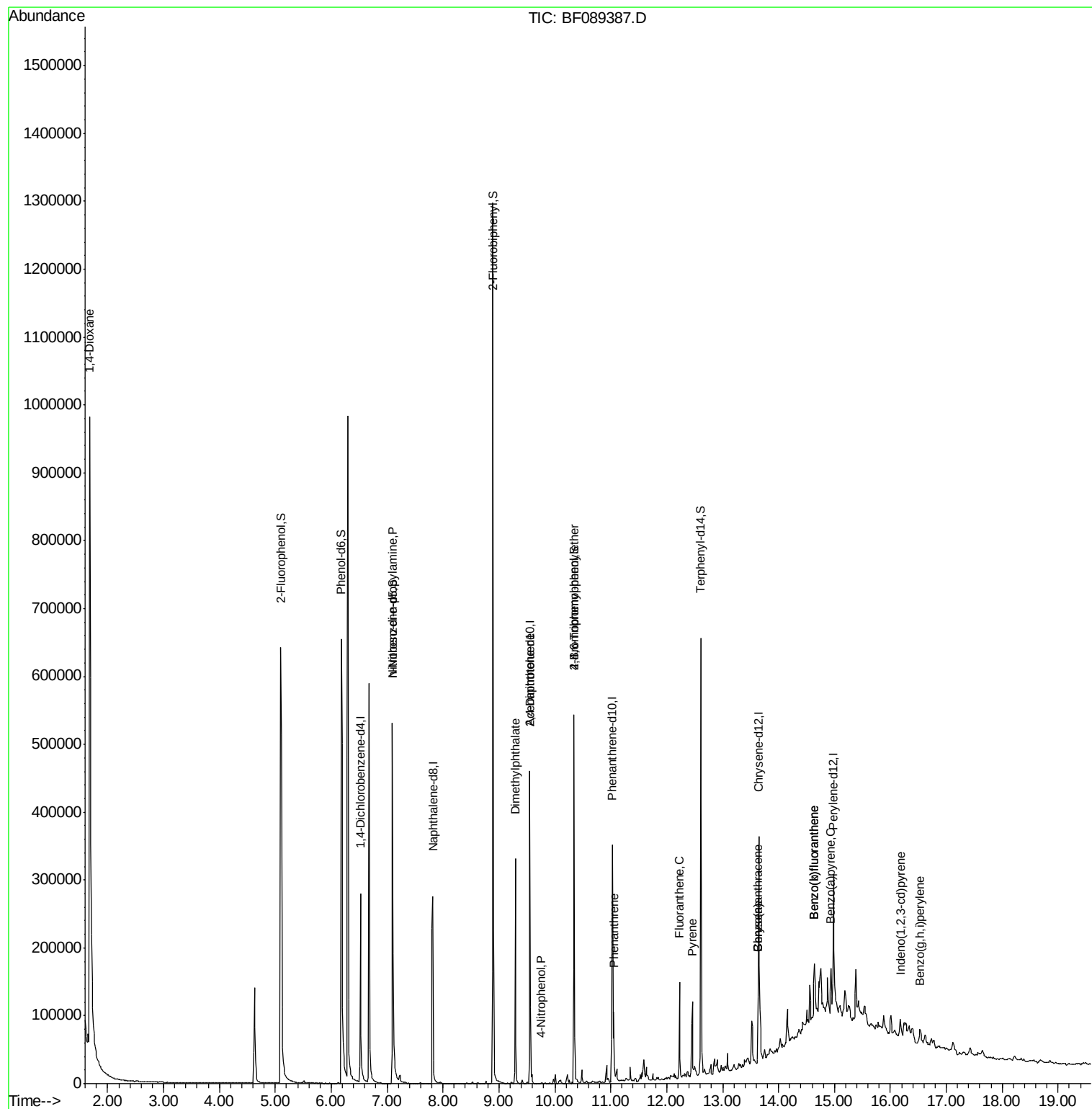
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.68	88	55427	37.27	ng	# 26
19) n-Nitroso-di-n-propylamine	7.10	70	30432	11.71	ng	# 84
49) Dimethylphthalate	9.29	163	126653	19.11	ng	99
55) 4-Nitrophenol	9.76	139	670	7.07	ng	# 4
56) 2,4-Dinitrotoluene	9.55	165	10690	5.96	ng	# 8
66) 4-Bromophenyl-phenylether	10.34	248	4524	3.33	ng	# 1
70) Phenanthrene	11.05	178	36686	5.00	ng	100
74) Fluoranthene	12.23	202	60041	7.79	ng	99
77) Pyrene	12.46	202	60970	7.78	ng	99
80) Benzo(a)anthracene	13.63	228	30715	5.27	ng	# 86
82) Chrysene	13.63	228	30715	4.95	ng	# 90
85) Indeno(1,2,3-cd)pyrene	16.18	276	14950	3.39	ng	# 82
87) Benzo(b)fluoranthene	14.64	252	49208	9.49	ng	# 93
88) Benzo(k)fluoranthene	14.64	252	48426	10.16	ng	95
89) Benzo(a)pyrene	14.94	252	26322	5.66	ng	98
91) Benzo(g,h,i)perylene	16.54	276	17405	4.83	ng	97

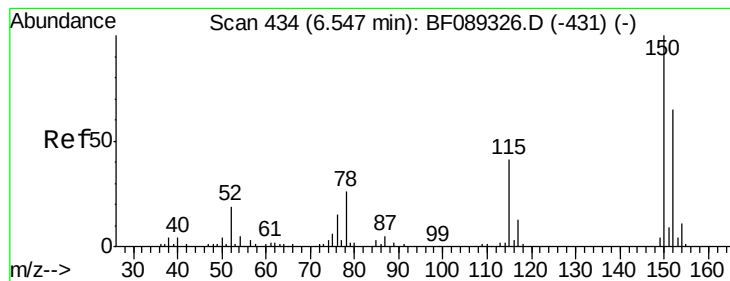
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 432

Delta R.T. -0.02 min

Lab File: BF089387.D

Acq: 29 Jul 2016 3:04

Instrument :

BNA_F

ClientSampleId :

SP-5(LOT112BACK)0-1

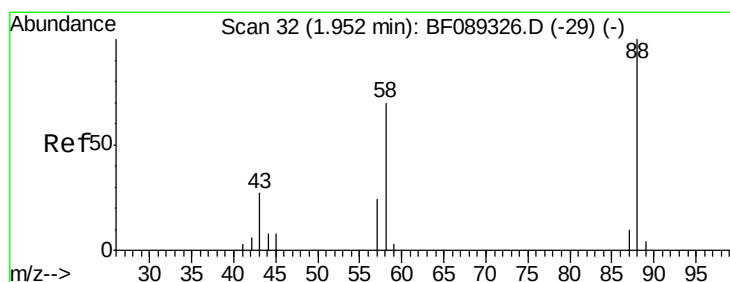
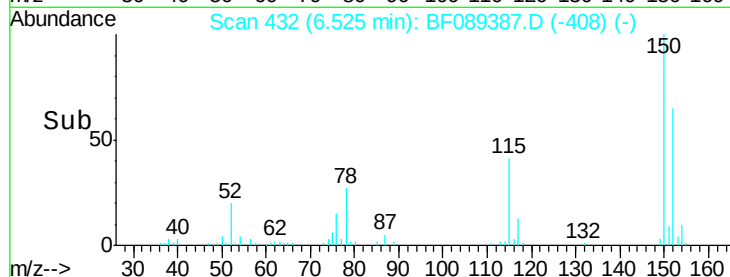
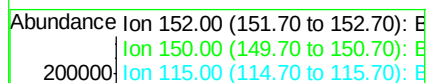
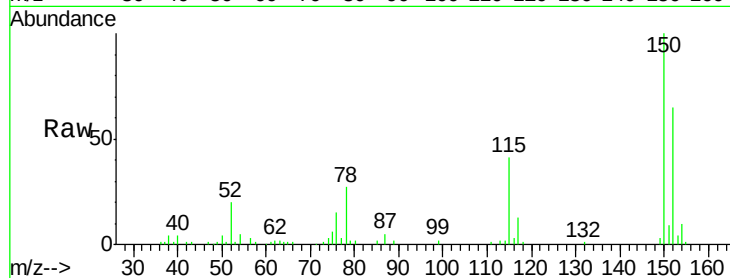
Tgt Ion:152 Resp: 52078

Ion Ratio Lower Upper

152 100

150 153.1 129.5 194.3

115 62.5 51.4 77.2



#2

1,4-Dioxane

Concen: 37.27 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.27 min

Lab File: BF089387.D

Acq: 29 Jul 2016 3:04

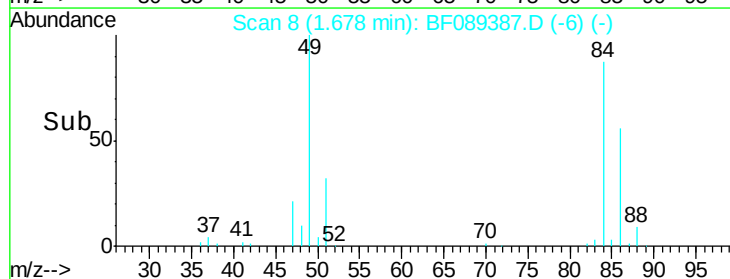
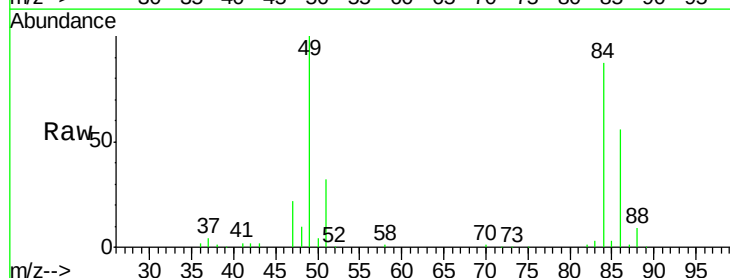
Tgt Ion: 88 Resp: 55427

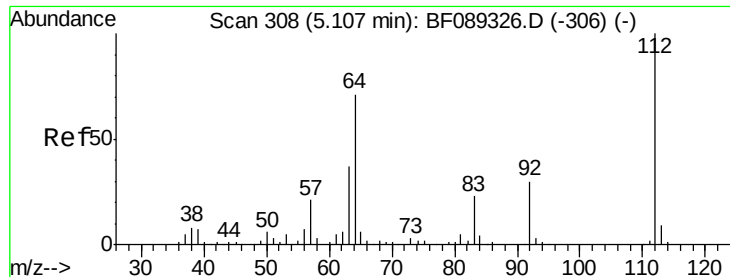
Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

43 0.0 20.6 31.0#





#5

2-Fluorophenol

Concen: 91.26 ng

RT: 5.10 min Scan# 307

Delta R.T. -0.01 min

Lab File: BF089387.D

Acq: 29 Jul 2016 3:04

Instrument :

BNA_F

ClientSampleId :

SP-5(LOT112BACK)0-1

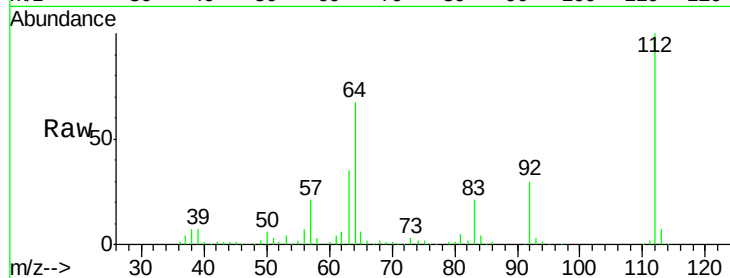
Tgt Ion: 112 Resp: 297647

Ion Ratio Lower Upper

112 100

64 66.6 55.0 82.6

63 35.1 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

200000

150000

100000

50000

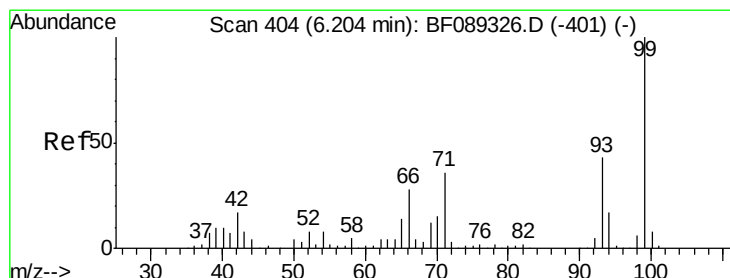
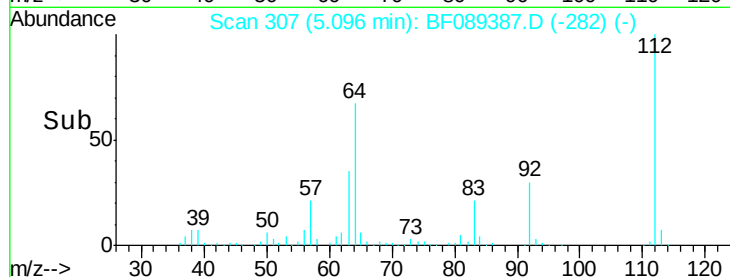
0

5.10

5.20

5.40

Time-->



#7

Phenol-d6

Concen: 88.21 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089387.D

Acq: 29 Jul 2016 3:04

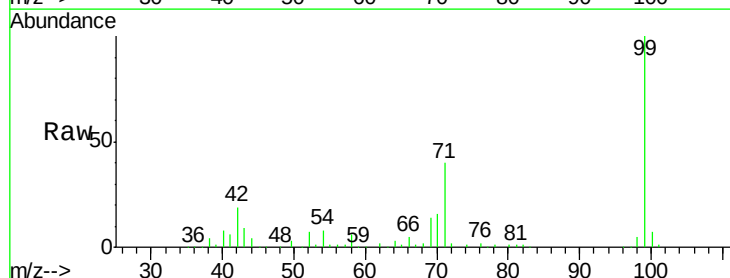
Tgt Ion: 99 Resp: 380202

Ion Ratio Lower Upper

99 100

42 19.5 13.6 20.4

71 40.1 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

300000

250000

200000

150000

100000

50000

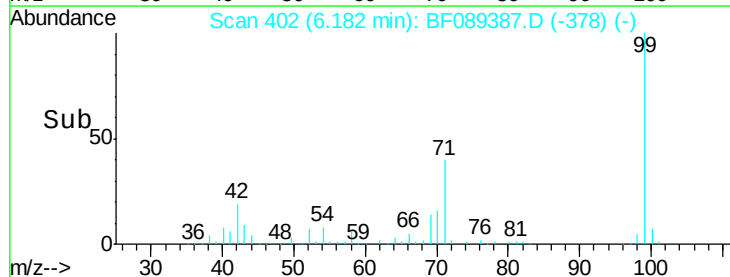
0

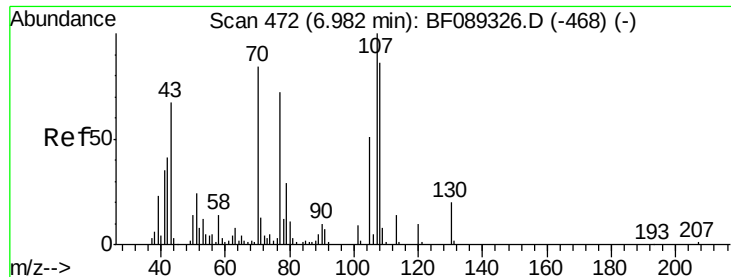
6.18

6.20

6.40

Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 11.71 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.11 min

Lab File: BF089387.D

Acq: 29 Jul 2016 3:04

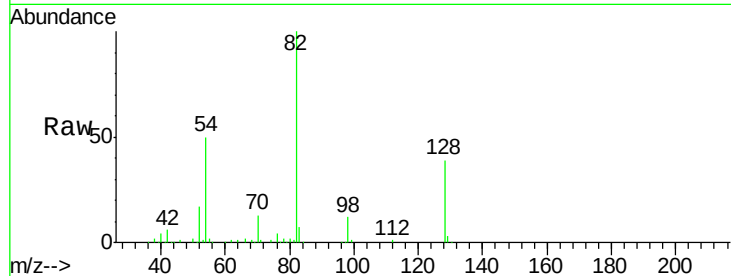
Instrument :

BNA_F

ClientSampleId :

SP-5(LOT112BACK)0-1

Tgt Ion:	70	Resp:	30432
Ion	Ratio	Lower	Upper
70	100		
42	48.1	38.6	57.8
101	0.0	8.3	12.5#
130	2.1	19.0	28.4#

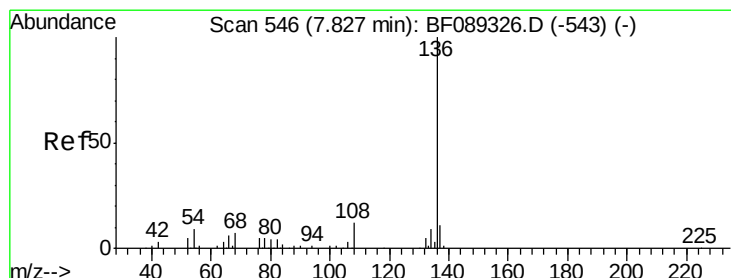
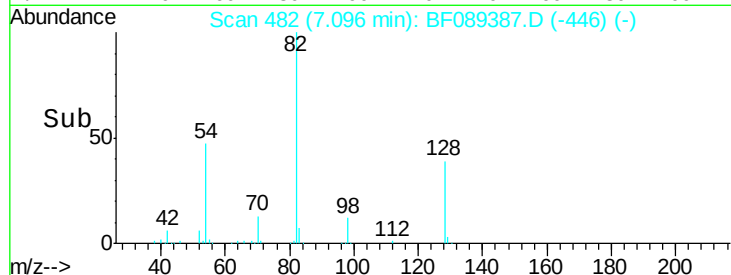
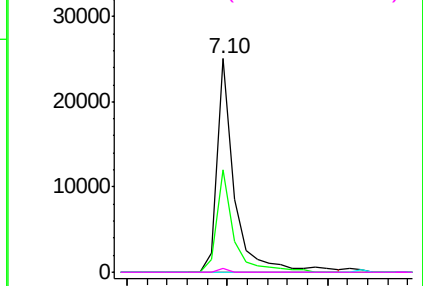


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

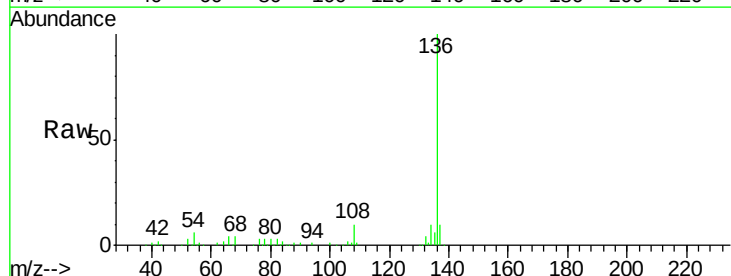
RT: 7.82 min Scan# 545

Delta R.T. -0.01 min

Lab File: BF089387.D

Acq: 29 Jul 2016 3:04

Tgt Ion:	136	Resp:	200616
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	5.5	7.0	10.4#
68	4.5	4.9	7.3#

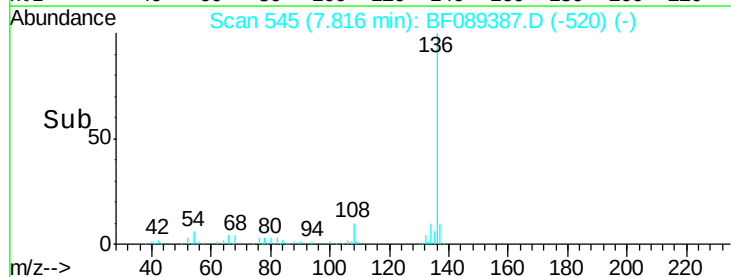
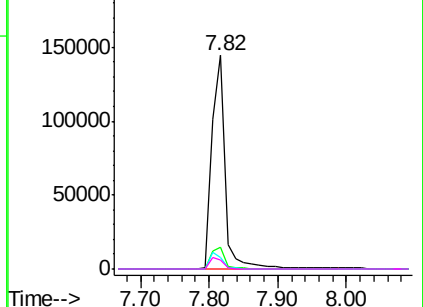


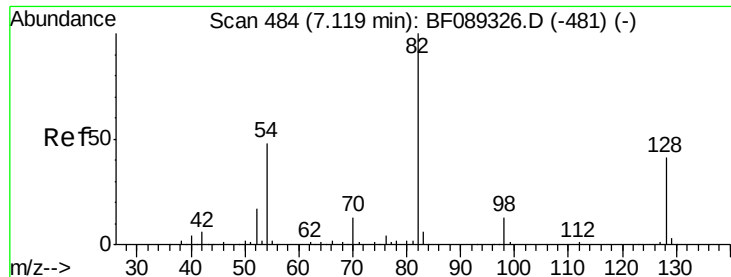
Abundance Ion 136.00 (135.70 to 136.70): E

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

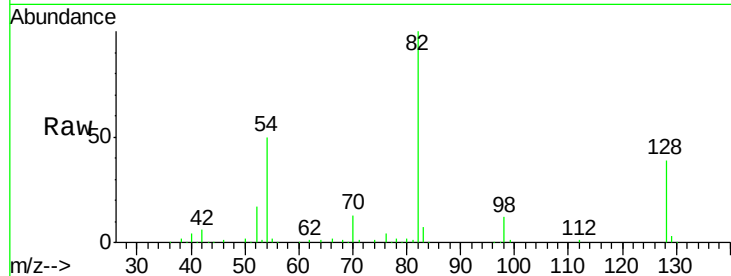




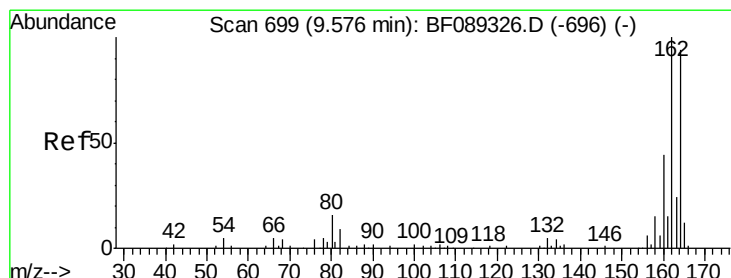
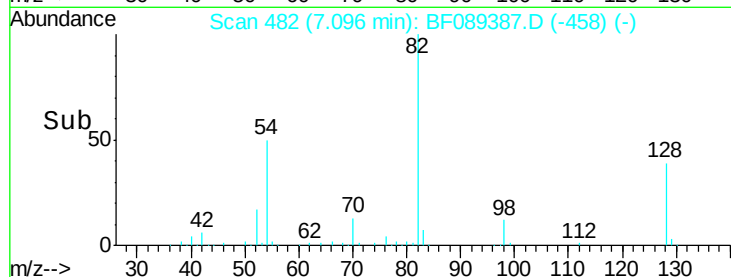
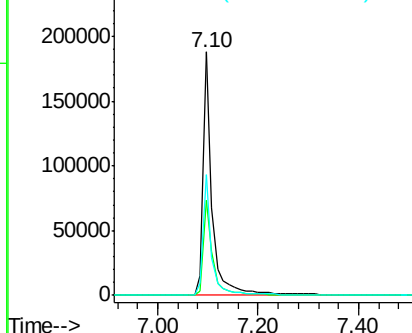
#23
 Nitrobenzene-d5
 Concen: 70.13 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.02 min
 Lab File: BF089387.D
 Acq: 29 Jul 2016 3:04

Instrument :
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 ClientSampleId :
 SP-5(LOT112BACK)0-1

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.8	32.5	48.7
54	49.6	38.8	58.2

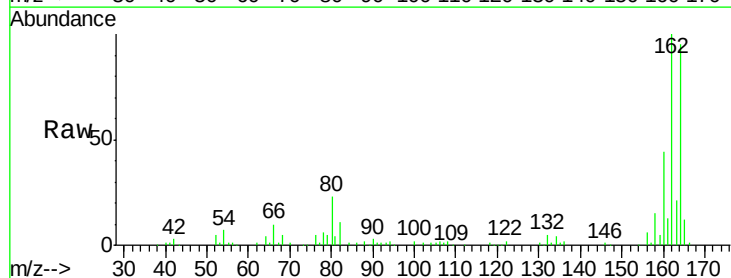


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

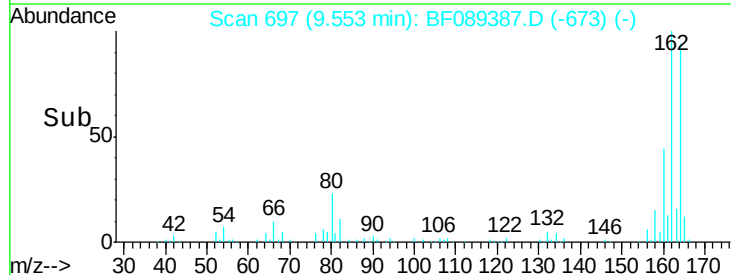
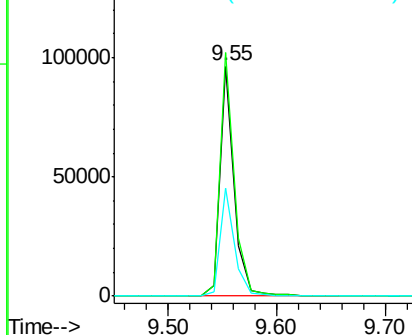


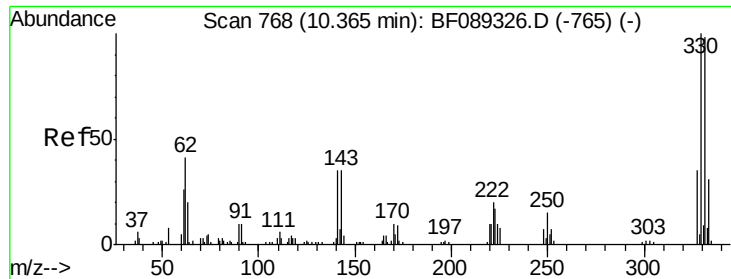
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: BF089387.D
 Acq: 29 Jul 2016 3:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	83.7	125.5
160	46.9	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

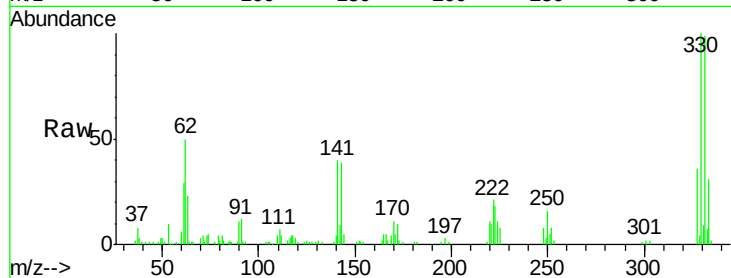




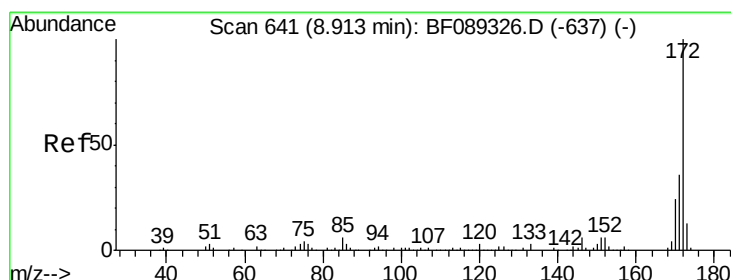
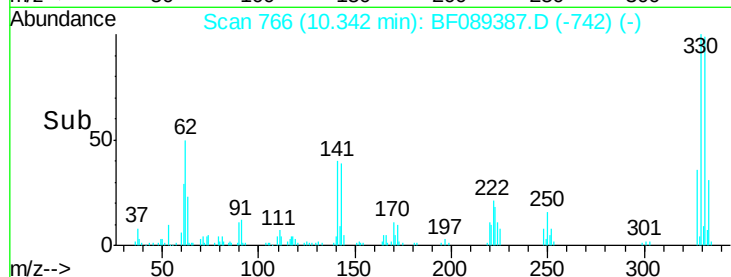
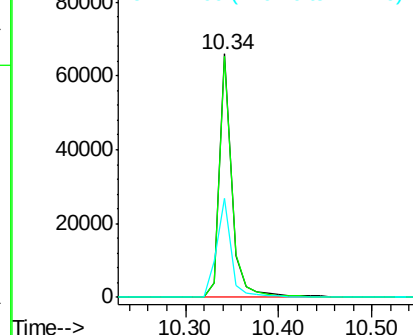
#41
 2,4,6-Tribromophenol
 Concen: 84.51 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089387.D
 Acq: 29 Jul 2016 3:04

Instrument :
 BNA_F
 ClientSampleId :
 SP-5(LOT112BACK)0-1

Tgt Ion:330 Resp: 60938
 Ion Ratio Lower Upper
 330 100
 332 98.4 76.8 115.2
 141 47.6 37.3 55.9

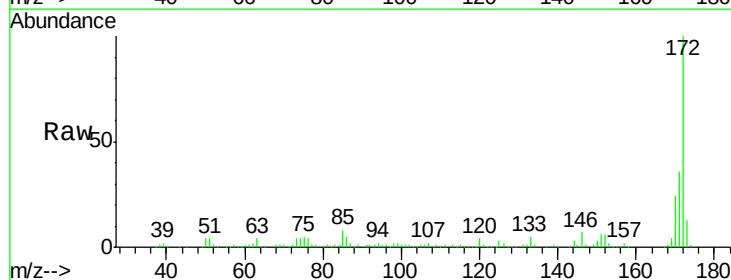


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

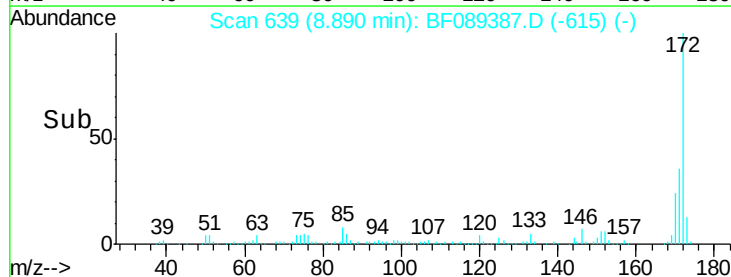
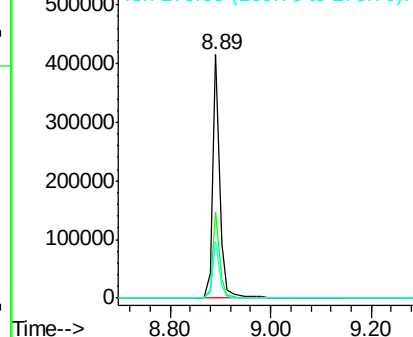


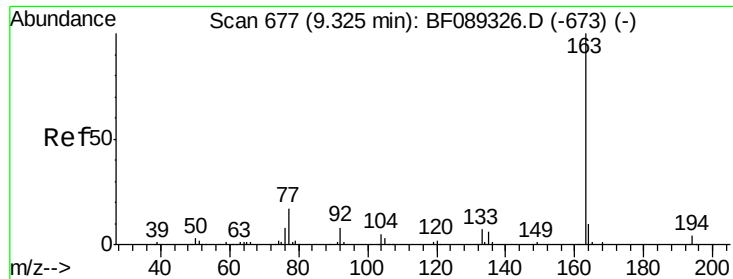
#44
 2-Fluorobiphenyl
 Concen: 68.97 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089387.D
 Acq: 29 Jul 2016 3:04

Tgt Ion:172 Resp: 409159
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.2 43.8
 170 23.5 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

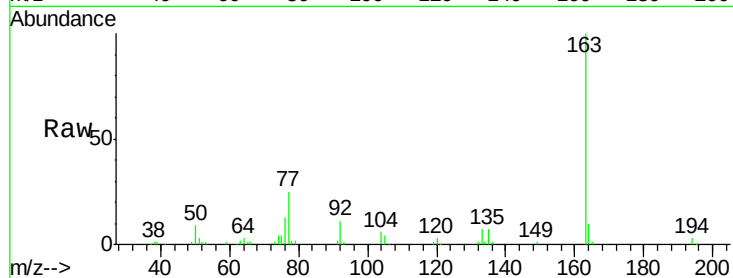




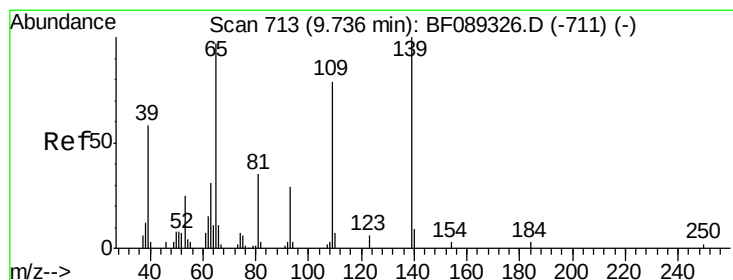
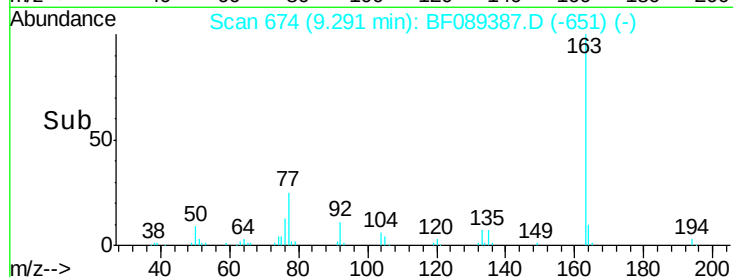
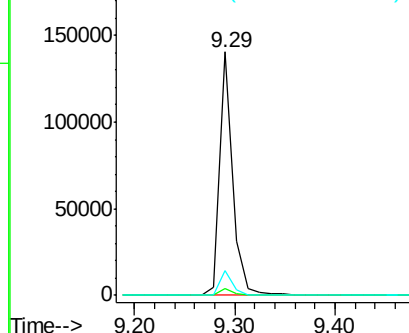
#49
Dimethylphthalate
Concen: 19.11 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF089387.D
Acq: 29 Jul 2016 3:04

Instrument :
BNA_F
ClientSampleId :
SP-5(LOT112BACK)0-1

Tgt Ion:163 Resp: 126653
Ion Ratio Lower Upper
163 100
194 3.0 2.8 4.2
164 10.3 7.8 11.8

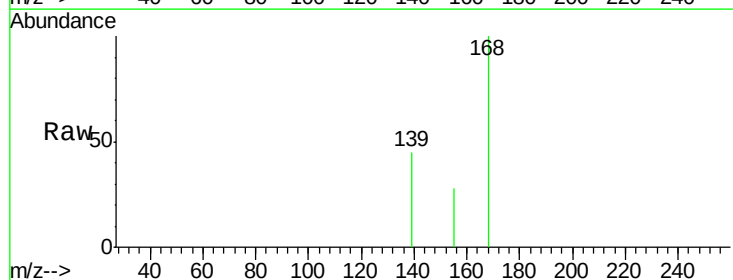


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

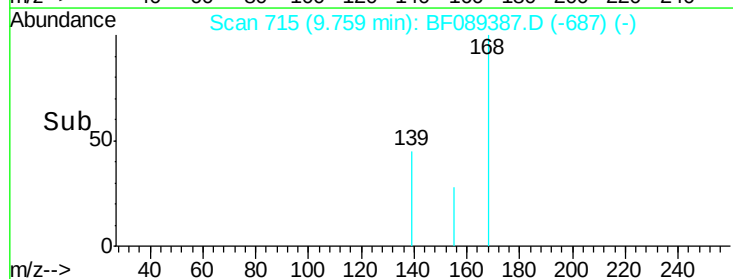
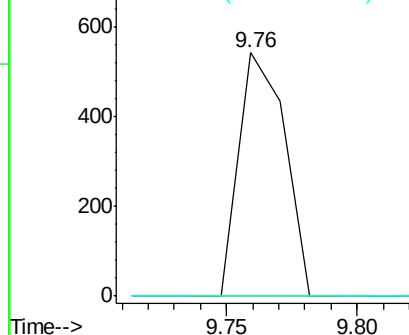


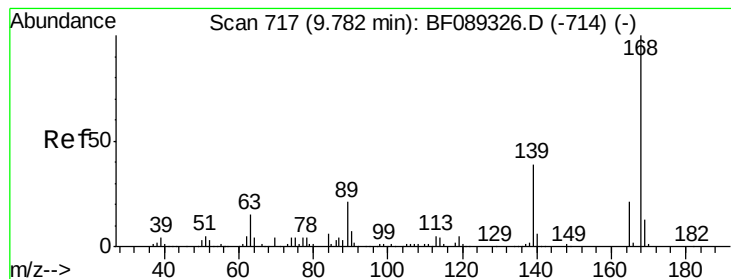
#55
4-Nitrophenol
Concen: 7.07 ng
RT: 9.76 min Scan# 715
Delta R.T. 0.02 min
Lab File: BF089387.D
Acq: 29 Jul 2016 3:04

Tgt Ion:139 Resp: 670
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): BF0





#56

2,4-Dinitrotoluene

Concen: 5.96 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.23 min

Lab File: BF089387.D

Acq: 29 Jul 2016 3:04

Instrument :

BNA_F

ClientSampleId :

SP-5(LOT112BACK)0-1

Tgt Ion:165 Resp: 10690

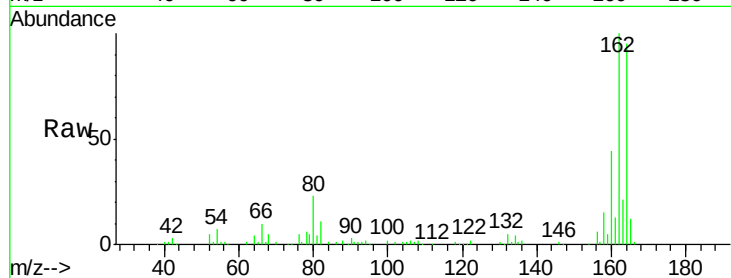
Ion Ratio Lower Upper

165 100

63 0.0 58.2 87.2#

89 2.5 79.1 118.7#

182 0.0 1.8 2.8#

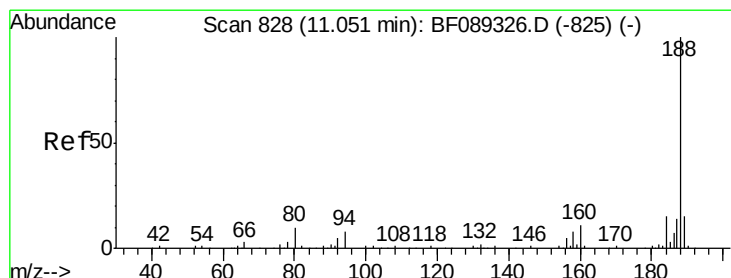
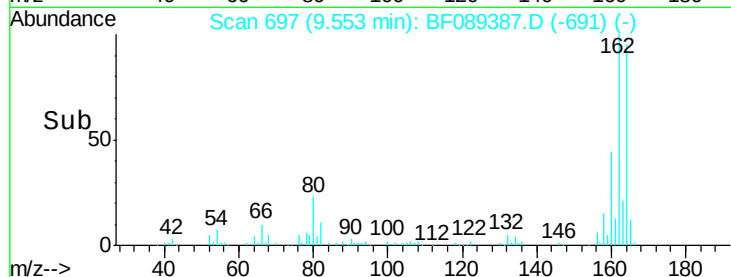
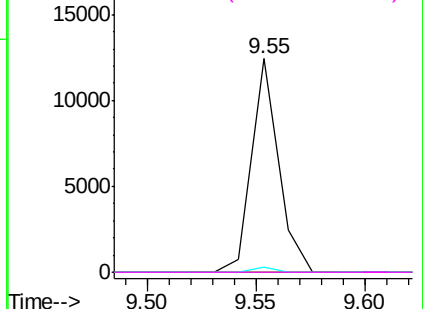


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.03 min Scan# 826

Delta R.T. -0.02 min

Lab File: BF089387.D

Acq: 29 Jul 2016 3:04

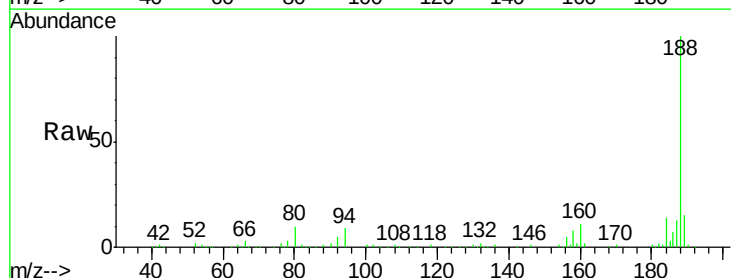
Tgt Ion:188 Resp: 142126

Ion Ratio Lower Upper

188 100

94 8.6 6.5 9.7

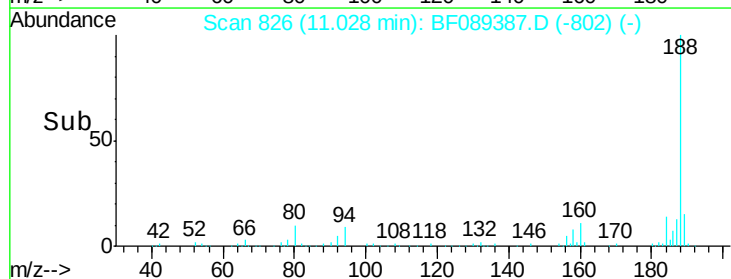
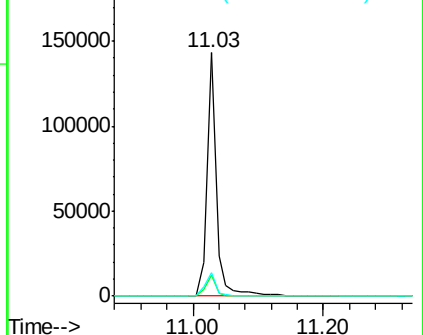
80 9.8 7.2 10.8

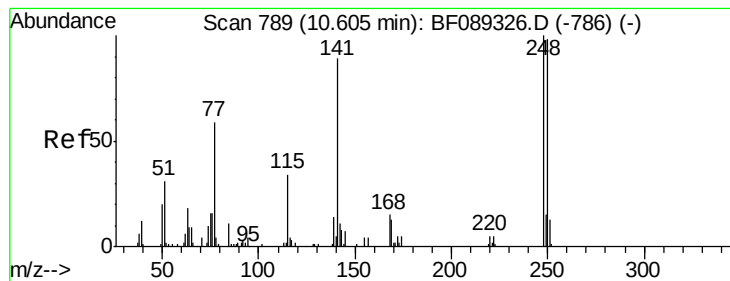


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.33 ng

RT: 10.34 min Scan# 766

Delta R.T. -0.26 min

Lab File: BF089387.D

Acq: 29 Jul 2016 3:04

Instrument :

BNA_F

ClientSampleId :

SP-5(LOT112BACK)0-1

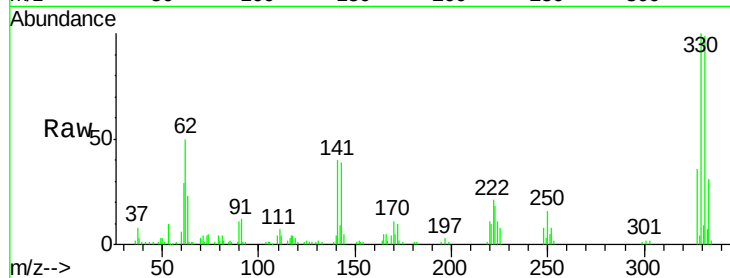
Tgt Ion:248 Resp: 4524

Ion Ratio Lower Upper

248 100

250 200.3 78.2 117.2#

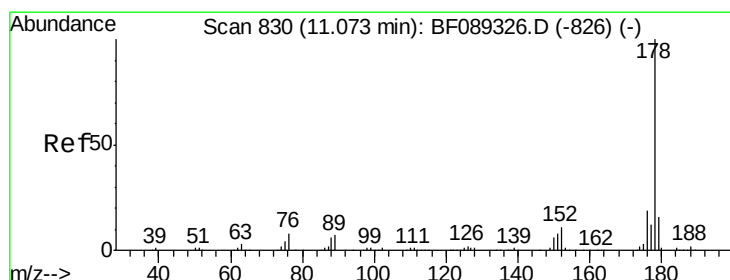
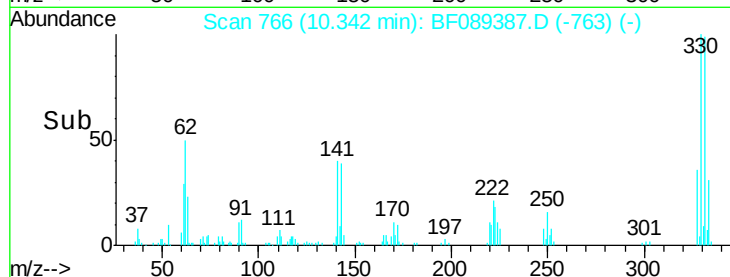
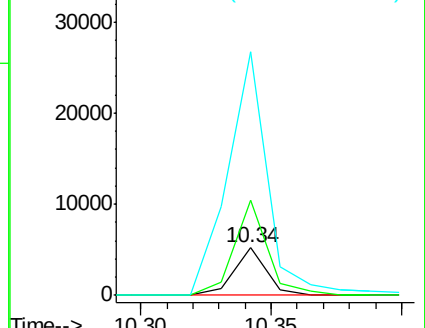
141 511.9 62.0 93.0#



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



#70

Phenanthrene

Concen: 5.00 ng

RT: 11.05 min Scan# 828

Delta R.T. -0.02 min

Lab File: BF089387.D

Acq: 29 Jul 2016 3:04

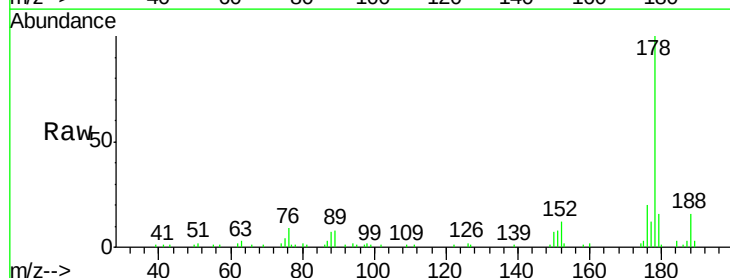
Tgt Ion:178 Resp: 36686

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

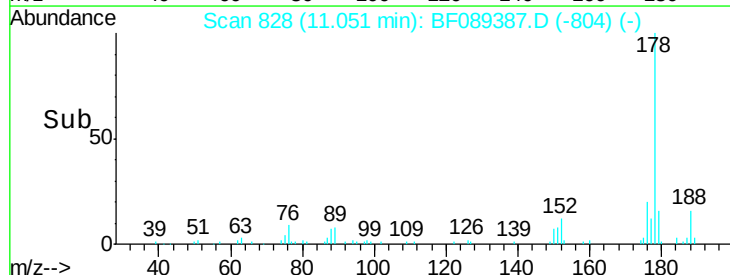
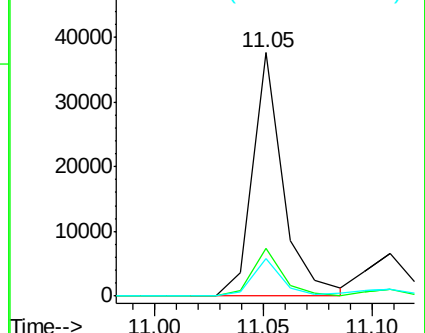
179 15.6 12.3 18.5

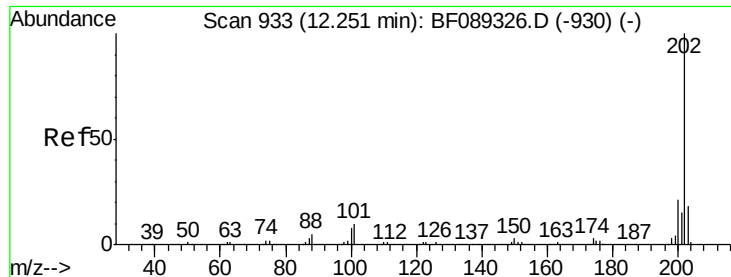


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

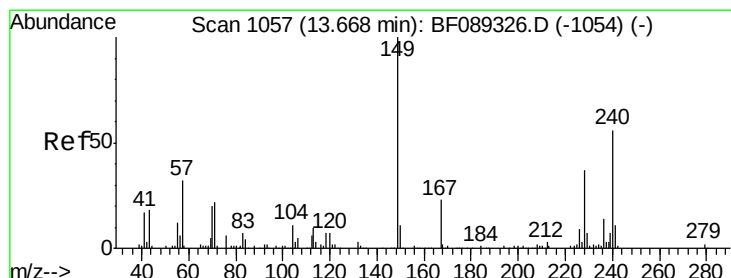
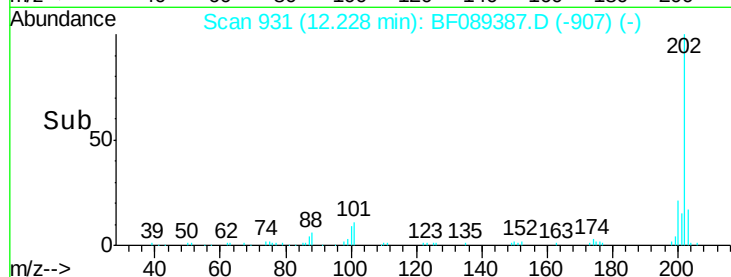
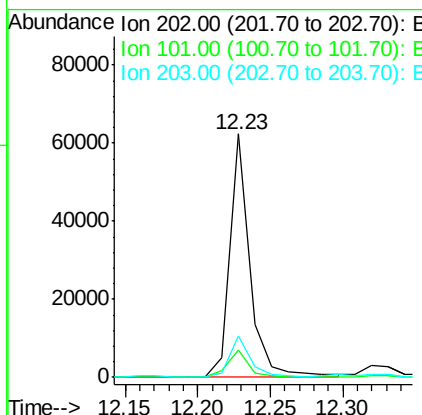
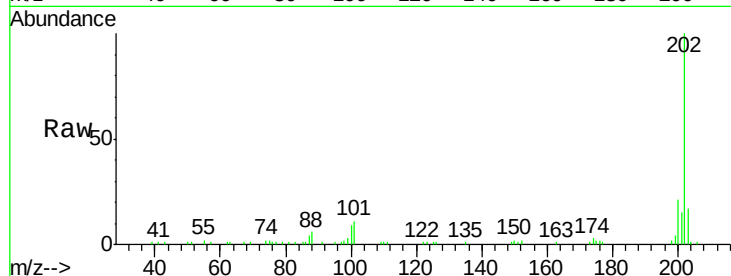




#74
 Fluoranthene
 Concen: 7.79 ng
 RT: 12.23 min Scan# 931
 Delta R.T. -0.02 min
 Lab File: BF089387.D
 Acq: 29 Jul 2016 3:04

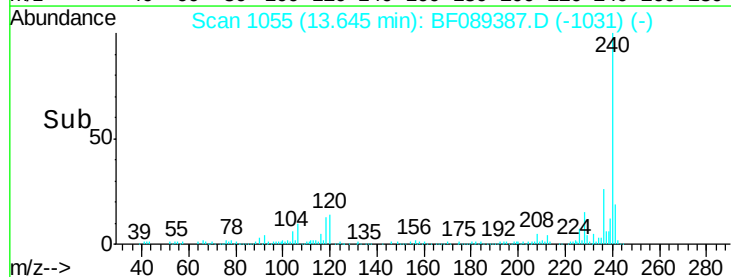
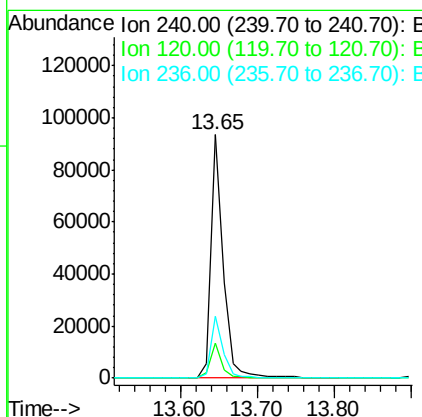
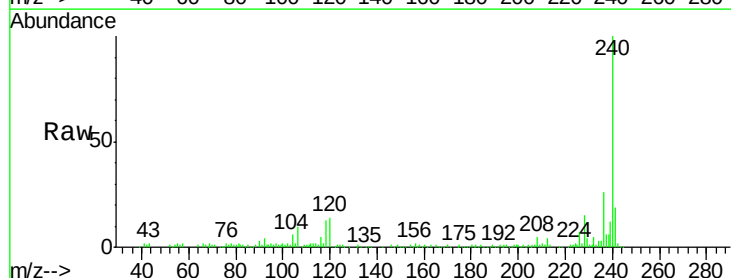
Instrument :
 BNA_F
 ClientSampleId :
 SP-5(LOT112BACK)0-1

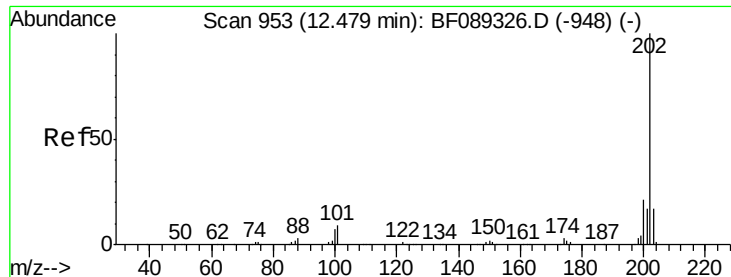
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	29.9
203	17.2	0.0	37.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.65 min Scan# 1055
 Delta R.T. -0.02 min
 Lab File: BF089387.D
 Acq: 29 Jul 2016 3:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.1	13.7#
236	25.6	20.6	30.8





#77

Pyrene

Concen: 7.78 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF089387.D

Acq: 29 Jul 2016 3:04

Instrument :

BNA_F

ClientSampleId :

SP-5(LOT112BACK)0-1

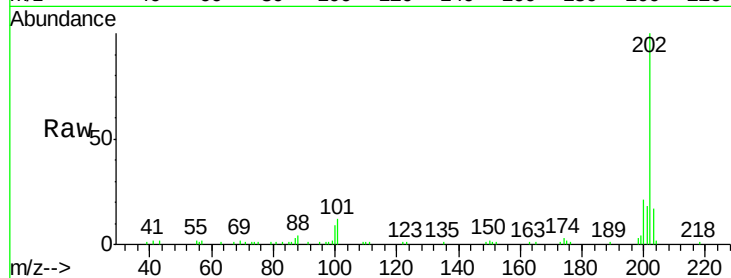
Tgt Ion:202 Resp: 60970

Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

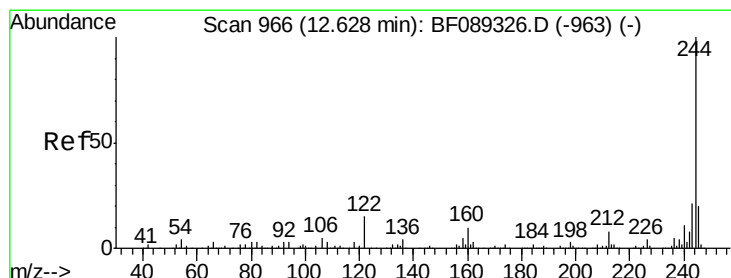
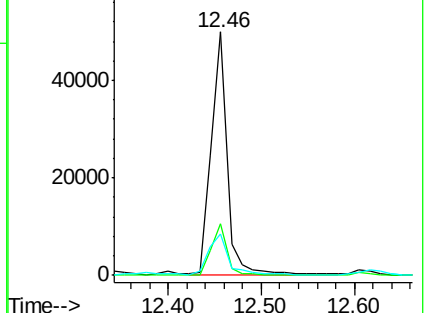
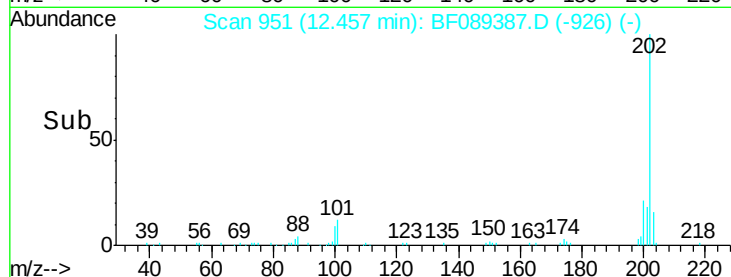
203 17.2 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 56.05 ng

RT: 12.61 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF089387.D

Acq: 29 Jul 2016 3:04

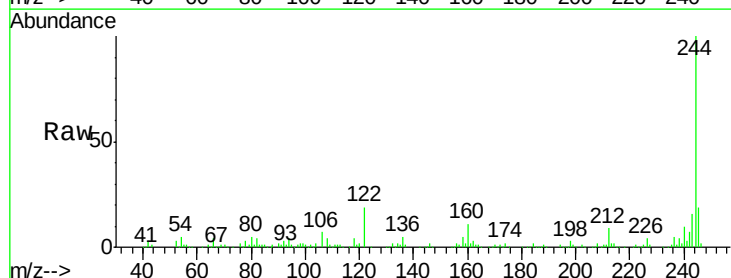
Tgt Ion:244 Resp: 247505

Ion Ratio Lower Upper

244 100

212 8.6 6.5 9.7

122 18.5 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

