

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102616\
 Data File : BF090857.D
 Acq On : 26 Oct 2016 23:05
 Operator : UM/SJ
 Sample : H5403-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C0AA2

Quant Time: Oct 27 01:23:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 16:35:31 2016
 Response via : Initial Calibration

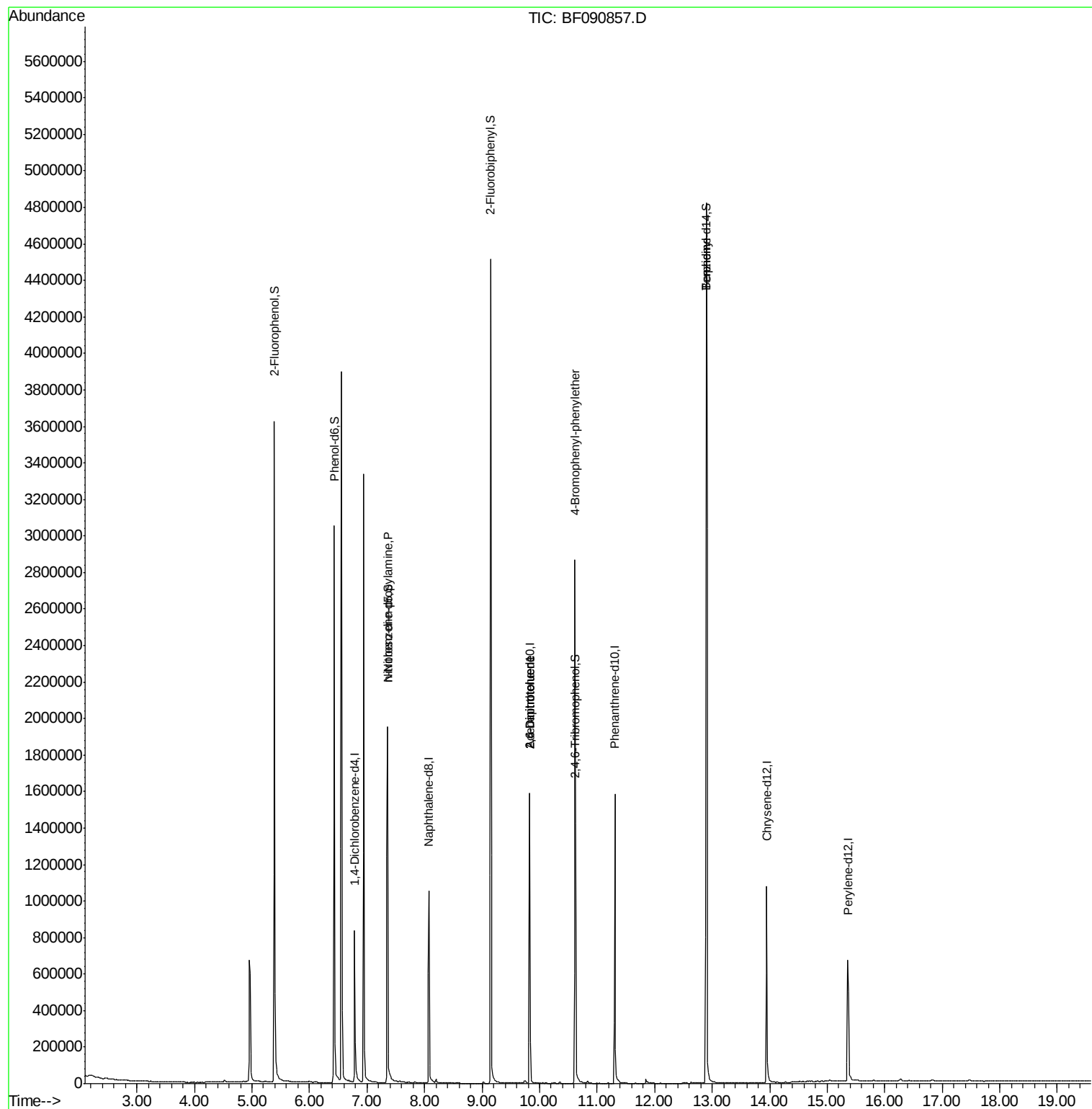
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	155877	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	661221	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	340675	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	615010	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	487848	20.00	ng	-0.01
86) Perylene-d12	15.36	264	345638	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1148975	128.88	ng	0.00
7) Phenol-d6	6.43	99	1382069	114.91	ng	-0.01
23) Nitrobenzene-d5	7.36	82	954648	94.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	505817	144.48	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	1733041	89.33	ng	-0.02
78) Terphenyl-d14	12.90	244	2156971	111.39	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	121050	17.41	ng	# 49
50) 2,6-Dinitrotoluene	9.82	165	44544	8.86	ng	# 38
56) 2,4-Dinitrotoluene	9.82	165	44538	7.13	ng	# 33
66) 4-Bromophenyl-phenylether	10.61	248	30794	4.57	ng	# 1
76) Benzidine	12.90	184	25473	2.39	ng	# 95

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

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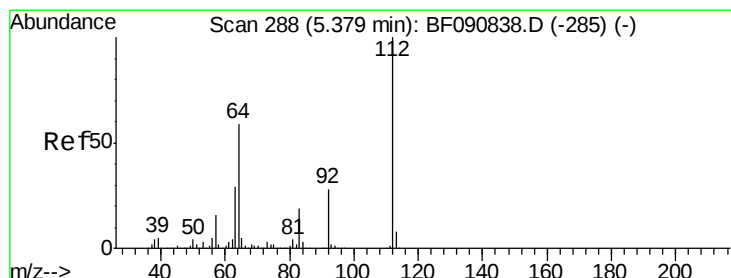
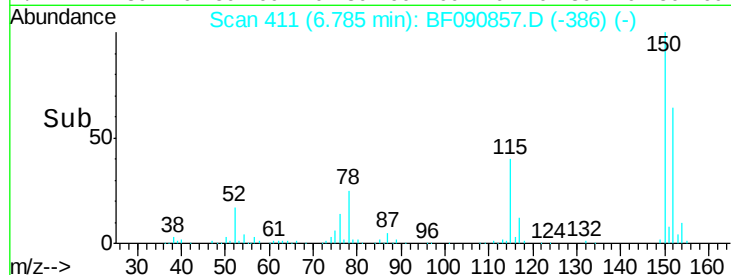
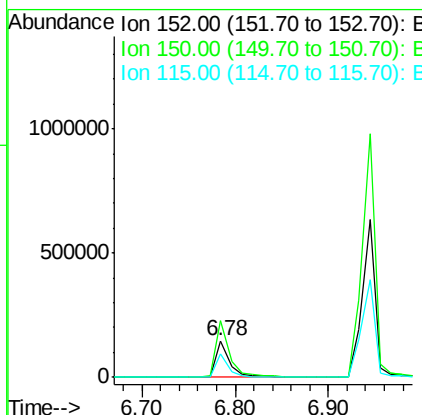
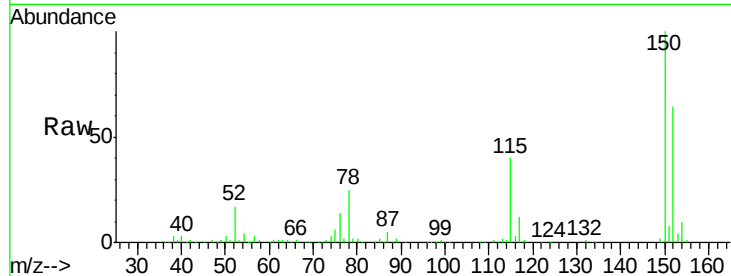




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.78 min Scan# 411
 Delta R.T. -0.01 min
 Lab File: BF090857.D
 Acq: 26 Oct 2016 23:05

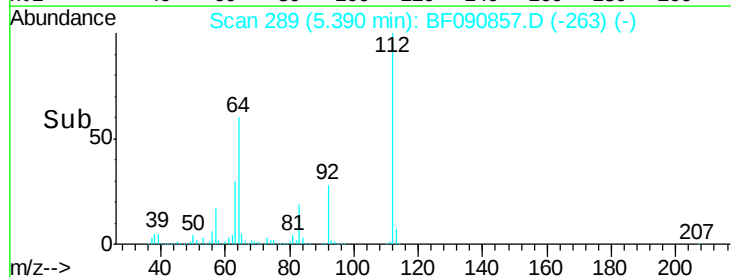
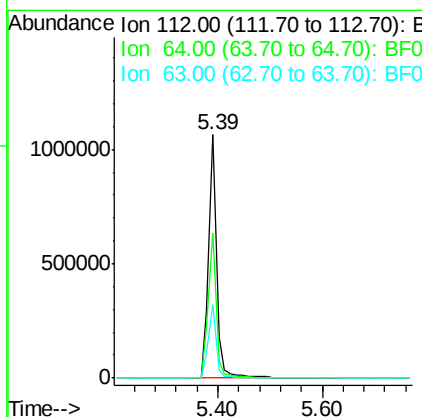
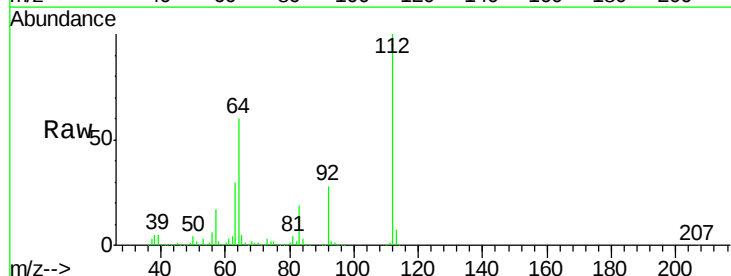
Instrument :
 BNA_F
 ClientSampleId :
 C0AA2

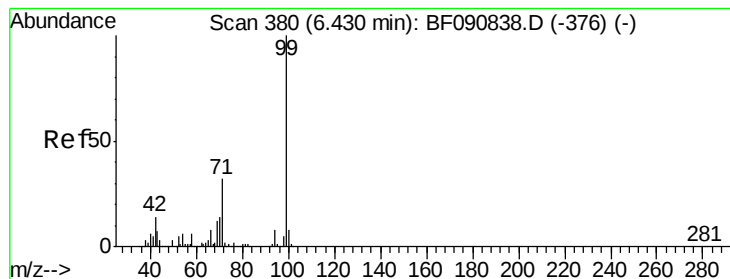
Tgt Ion:152 Resp: 155877
 Ion Ratio Lower Upper
 152 100
 150 155.3 124.7 187.1
 115 62.3 39.0 58.4#



#5
 2-Fluorophenol
 Concen: 128.88 ng
 RT: 5.39 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: BF090857.D
 Acq: 26 Oct 2016 23:05

Tgt Ion:112 Resp: 1148975
 Ion Ratio Lower Upper
 112 100
 64 59.7 39.7 59.5#
 63 30.1 17.4 26.0#





#7

Phenol-d6

Concen: 114.91 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF090857.D

Acq: 26 Oct 2016 23:05

Instrument :

BNA_F

ClientSampleId :

C0AA2

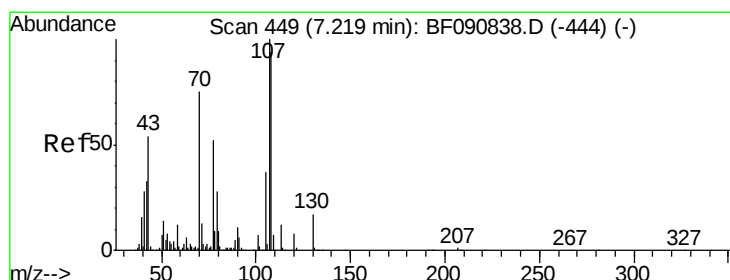
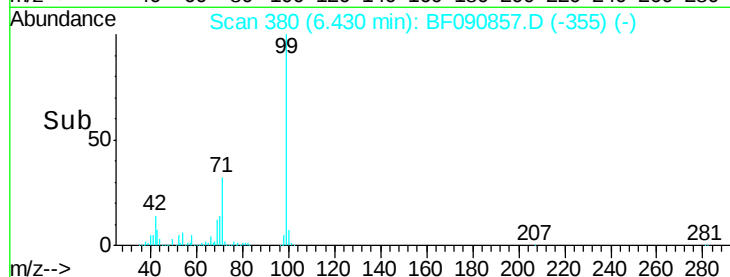
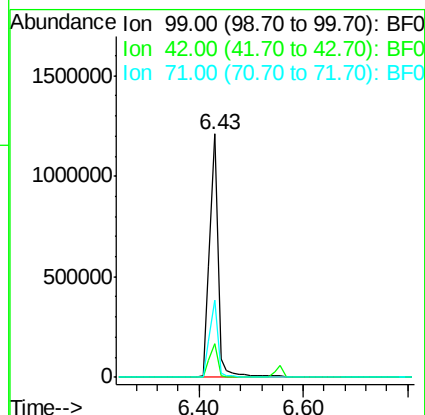
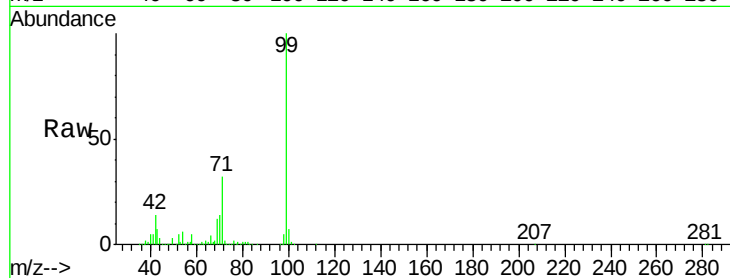
Tgt Ion: 99 Resp: 1382069

Ion Ratio Lower Upper

99 100

42 13.7 13.7 20.5

71 31.6 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 17.41 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.13 min

Lab File: BF090857.D

Acq: 26 Oct 2016 23:05

Tgt Ion: 70 Resp: 121050

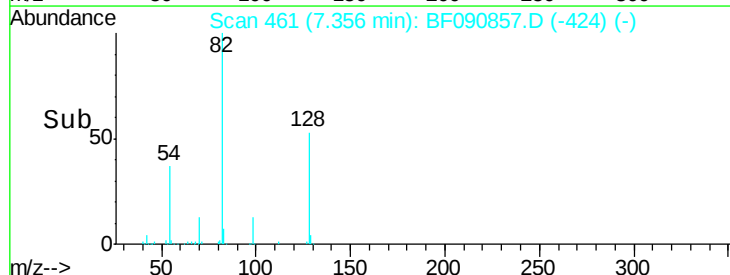
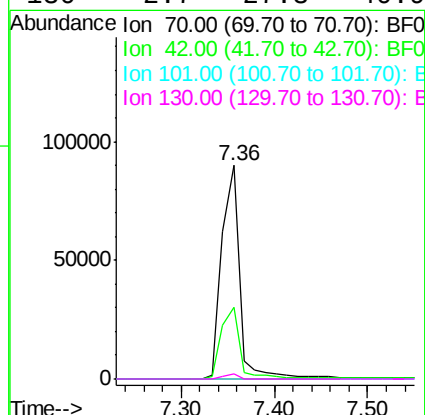
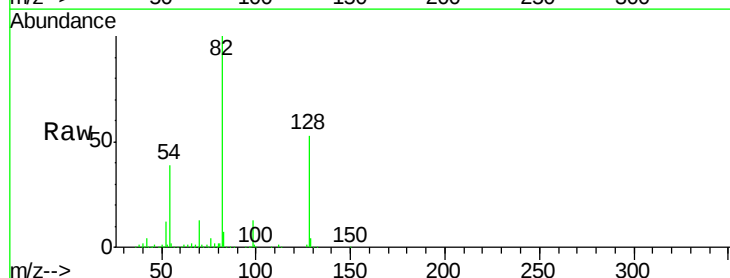
Ion Ratio Lower Upper

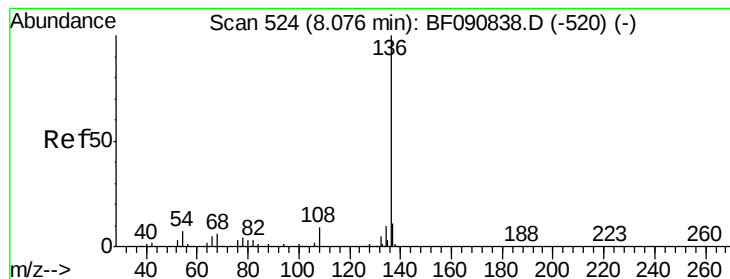
70 100

42 33.5 63.8 95.6#

101 0.0 9.2 13.8#

130 2.7 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF090857.D

Acq: 26 Oct 2016 23:05

Instrument :

BNA_F

ClientSampleId :

C0AA2

Tgt Ion: 136 Resp: 661221

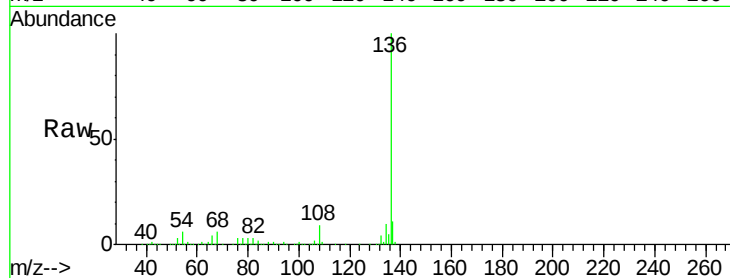
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 6.1 8.2 12.2#

68 5.8 5.8 8.6

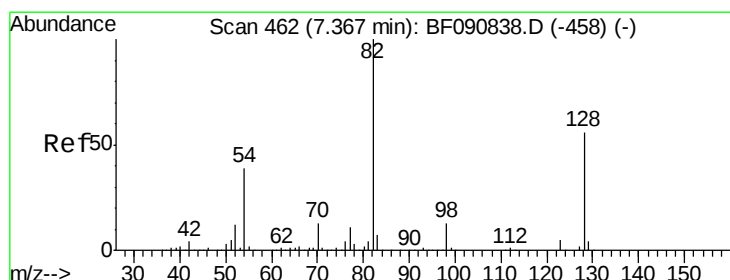
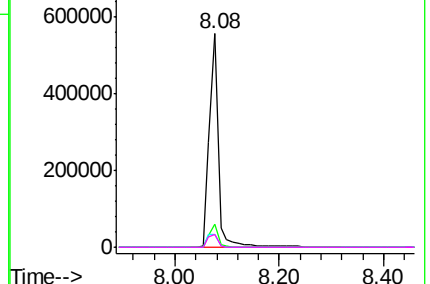
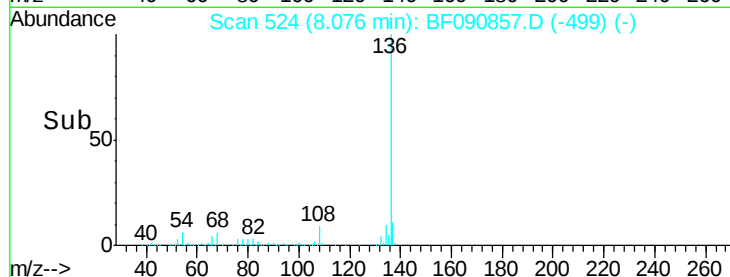


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.51 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF090857.D

Acq: 26 Oct 2016 23:05

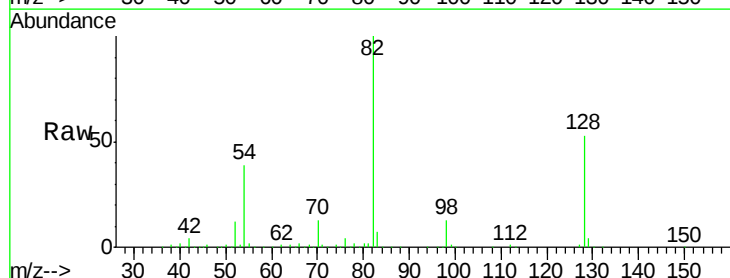
Tgt Ion: 82 Resp: 954648

Ion Ratio Lower Upper

82 100

128 53.4 51.0 76.6

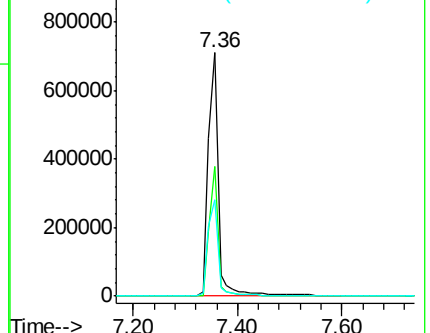
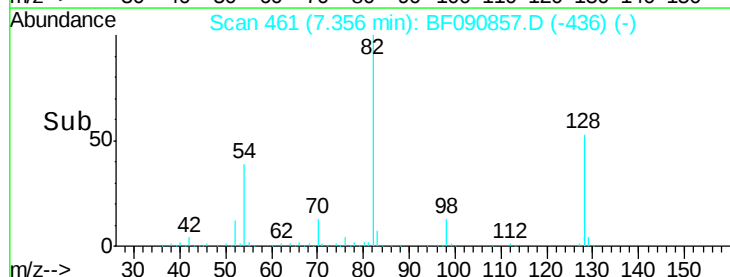
54 39.4 47.5 71.3#

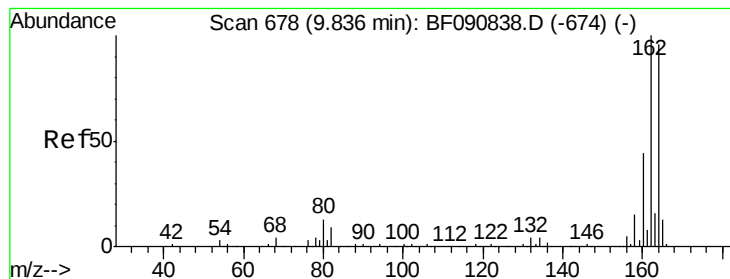


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.82 min Scan# 677

Delta R.T. -0.02 min

Lab File: BF090857.D

Acq: 26 Oct 2016 23:05

Instrument :

BNA_F

ClientSampleId :

C0AA2

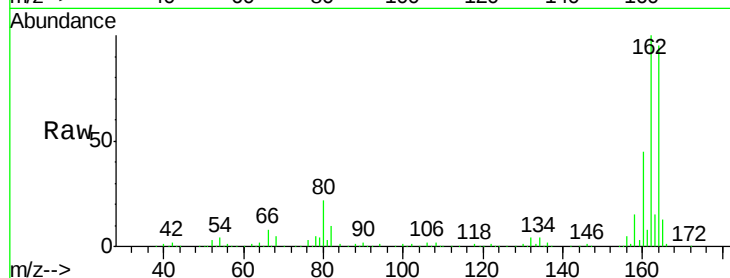
Tgt Ion:164 Resp: 340675

Ion Ratio Lower Upper

164 100

162 105.7 75.2 112.8

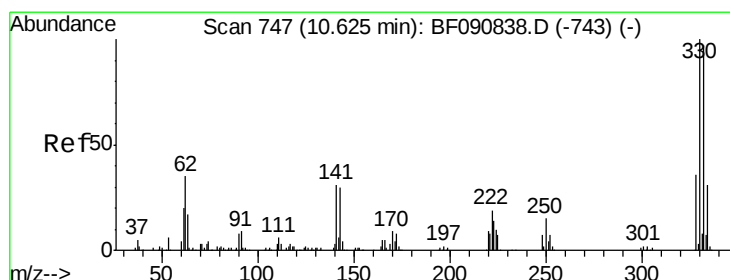
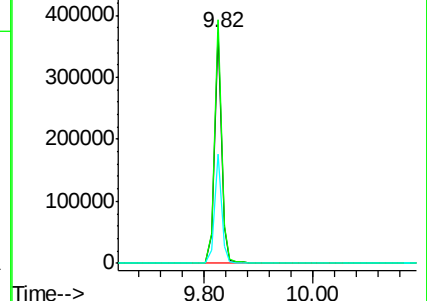
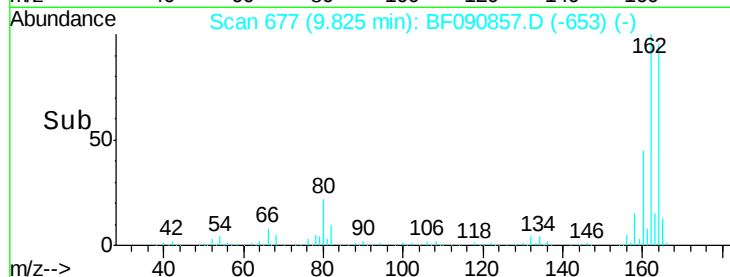
160 47.3 31.5 47.3



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: 144.48 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF090857.D

Acq: 26 Oct 2016 23:05

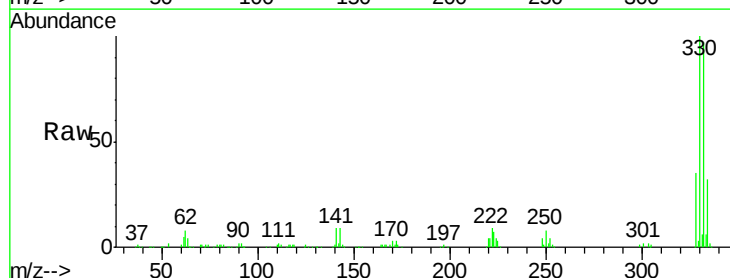
Tgt Ion:330 Resp: 505817

Ion Ratio Lower Upper

330 100

332 96.4 76.6 114.8

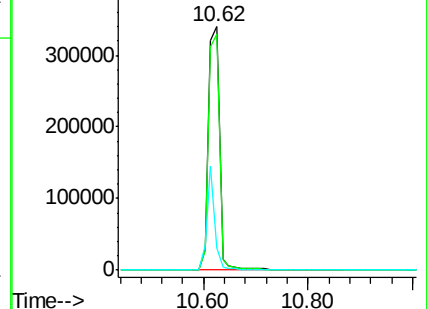
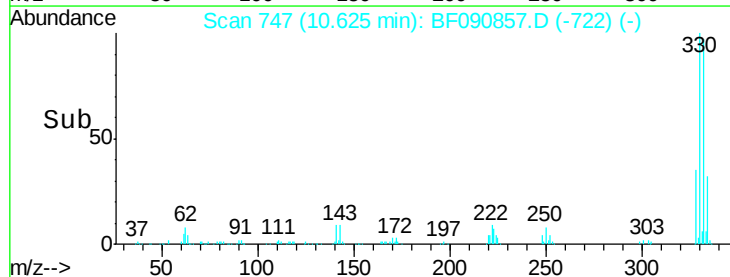
141 30.8 29.7 44.5

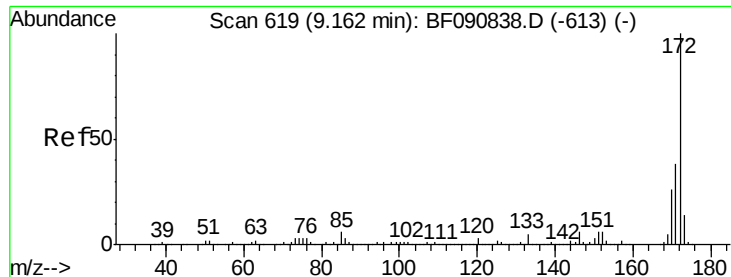


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

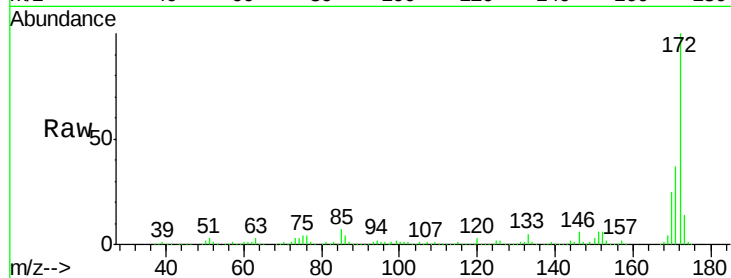




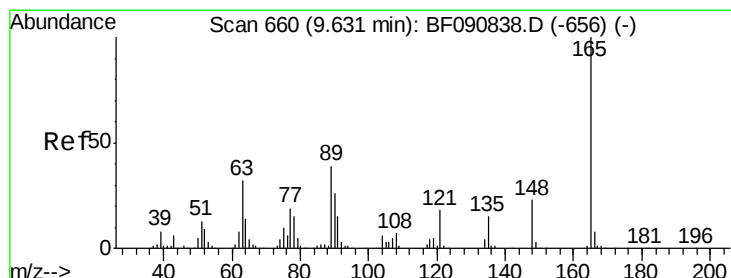
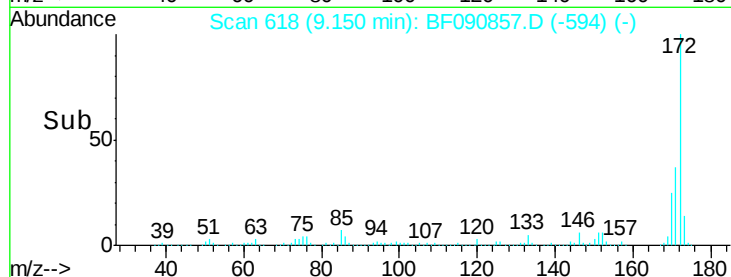
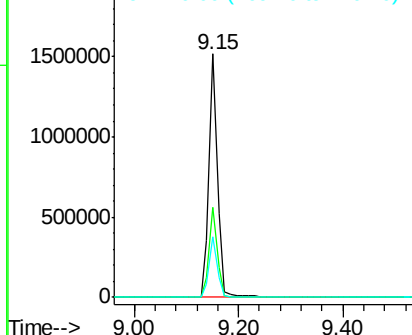
#44
 2-Fluorobiphenyl
 Concen: 89.33 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF090857.D
 Acq: 26 Oct 2016 23:05

Instrument :
 BNA_F
 ClientSampleId :
 C0AA2

Tgt Ion:172 Resp: 1733041
 Ion Ratio Lower Upper
 172 100
 171 36.9 26.1 39.1
 170 24.8 17.4 26.2

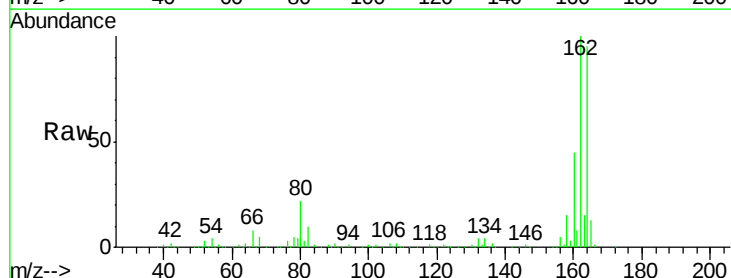


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

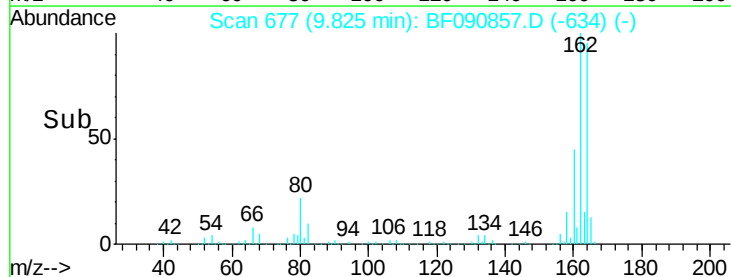
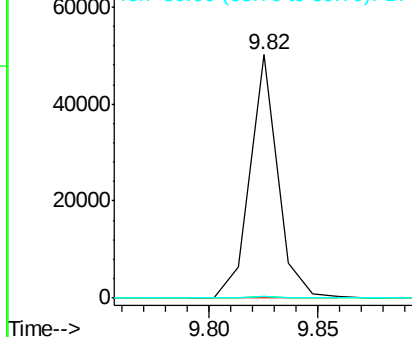


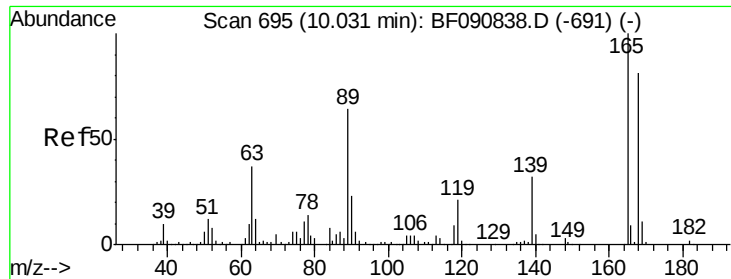
#50
 2,6-Dinitrotoluene
 Concen: 8.86 ng
 RT: 9.82 min Scan# 677
 Delta R.T. 0.19 min
 Lab File: BF090857.D
 Acq: 26 Oct 2016 23:05

Tgt Ion:165 Resp: 44544
 Ion Ratio Lower Upper
 165 100
 63 0.7 32.3 48.5#
 89 0.7 28.6 43.0#



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

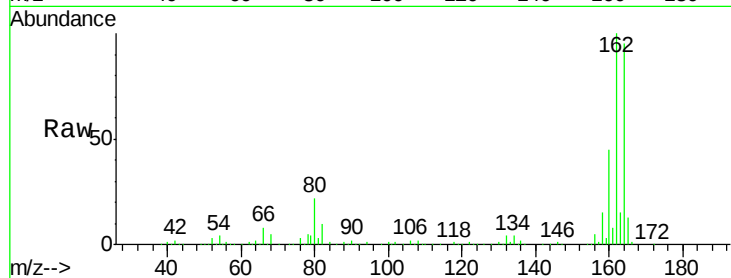




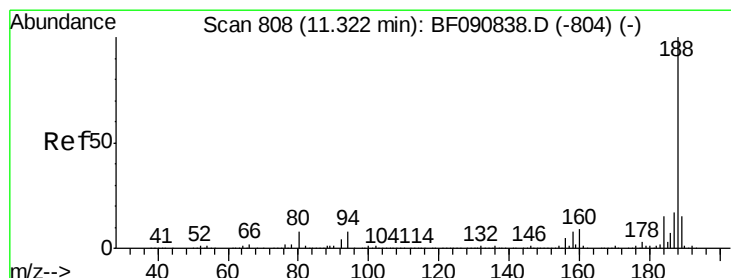
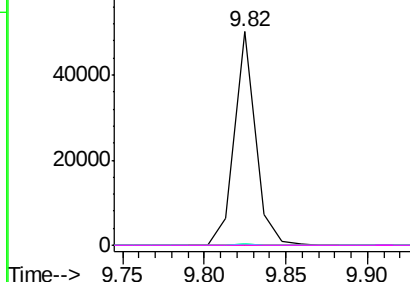
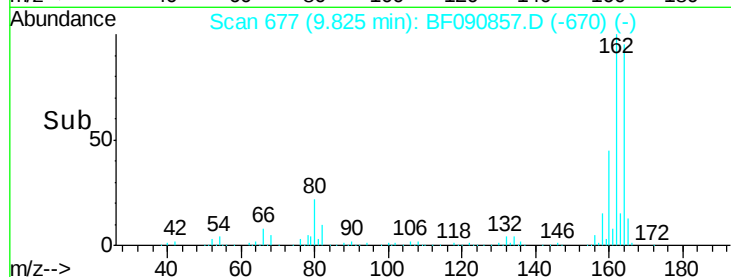
#56
 2,4-Dinitrotoluene
 Concen: 7.13 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.22 min
 Lab File: BF090857.D
 Acq: 26 Oct 2016 23:05

Instrument :
 BNA_F
 ClientSampleId :
 C0AA2

Tgt Ion:	165	Resp:	44538
Ion	Ratio	Lower	Upper
165	100		
63	0.7	29.8	44.6#
89	0.7	44.5	66.7#
182	0.0	3.0	4.4#

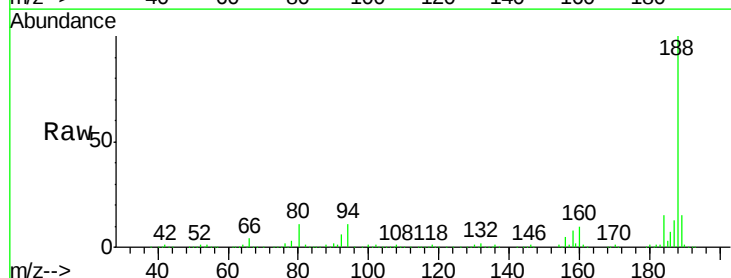


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

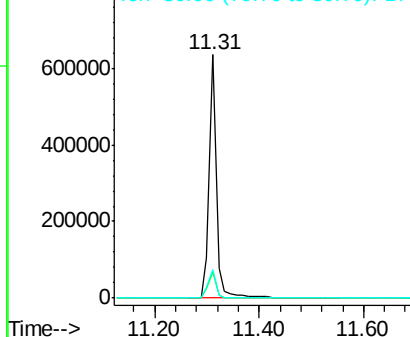
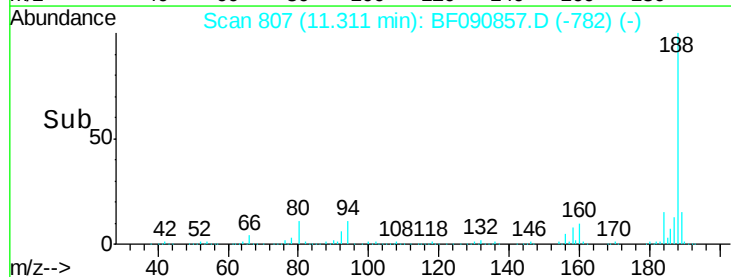


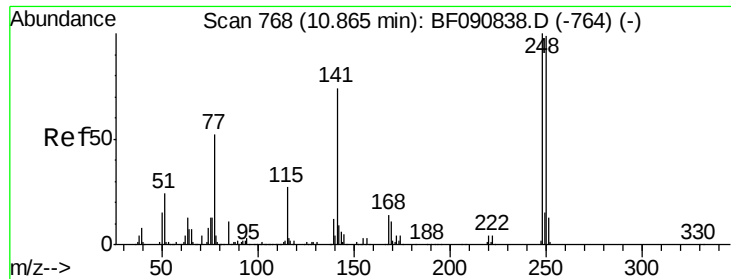
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF090857.D
 Acq: 26 Oct 2016 23:05

Tgt Ion:	188	Resp:	615010
Ion	Ratio	Lower	Upper
188	100		
94	10.7	11.1	16.7#
80	11.5	11.0	16.4



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

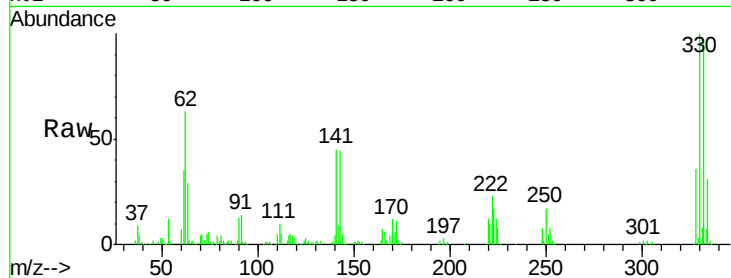




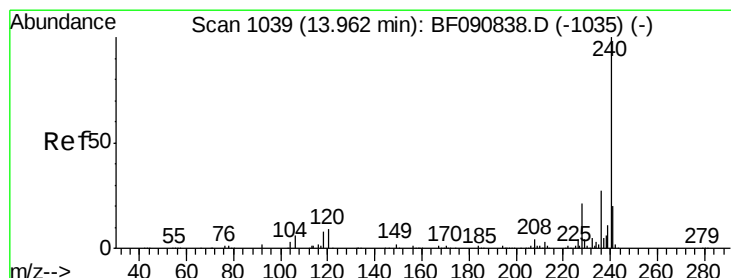
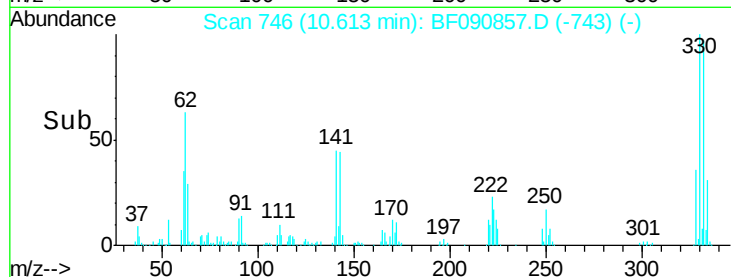
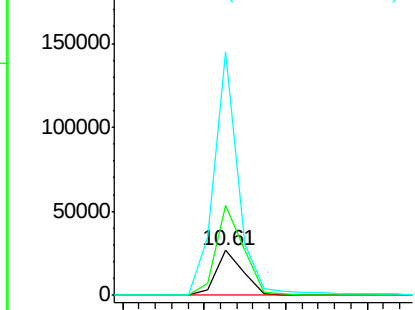
#66
4-Bromophenyl-phenylether
Concen: 4.57 ng
RT: 10.61 min Scan# 746
Delta R.T. -0.26 min
Lab File: BF090857.D
Acq: 26 Oct 2016 23:05

Instrument :
BNA_F
ClientSampleId :
C0AA2

Tgt Ion:248 Resp: 30794
Ion Ratio Lower Upper
248 100
250 199.8 78.5 117.7#
141 539.9 59.0 88.6#

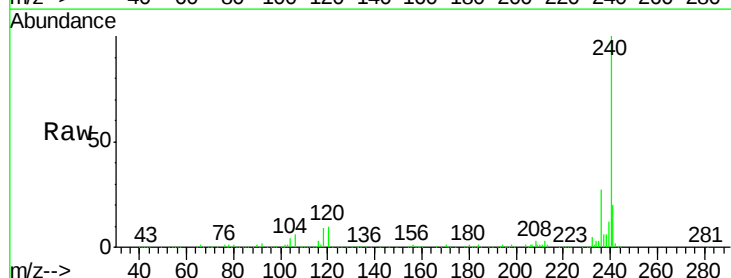


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

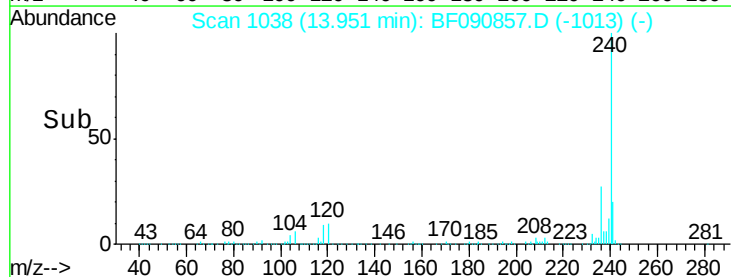
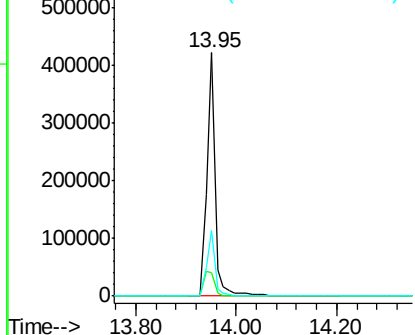


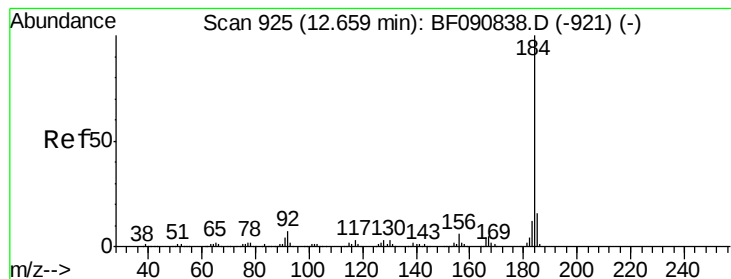
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF090857.D
Acq: 26 Oct 2016 23:05

Tgt Ion:240 Resp: 487848
Ion Ratio Lower Upper
240 100
120 9.6 16.2 24.2#
236 26.8 18.4 27.6



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





#76

Benzidine

Concen: 2.39 ng

RT: 12.90 min Scan# 946

Delta R.T. 0.23 min

Lab File: BF090857.D

Acq: 26 Oct 2016 23:05

Instrument :

BNA_F

ClientSampleId :

C0AA2

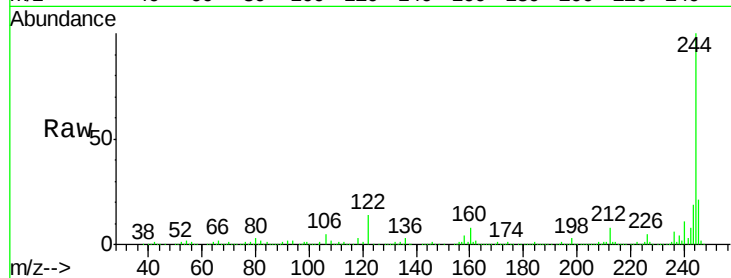
Tgt Ion:184 Resp: 25473

Ion Ratio Lower Upper

184 100

185 16.3 11.8 17.6

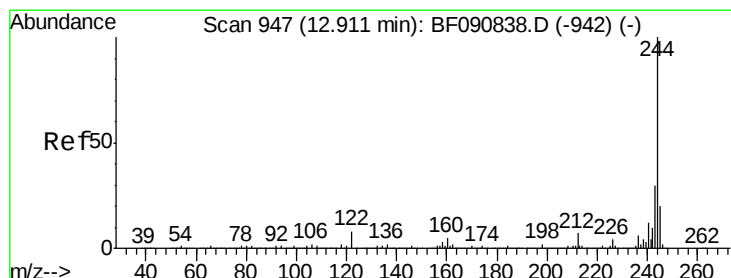
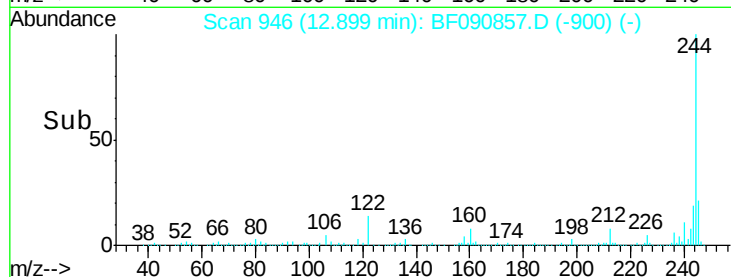
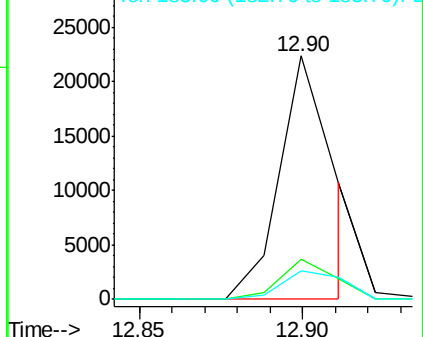
183 11.7 7.6 11.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 111.39 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF090857.D

Acq: 26 Oct 2016 23:05

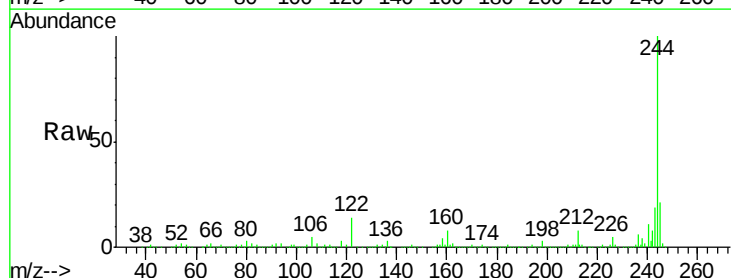
Tgt Ion:244 Resp: 2156971

Ion Ratio Lower Upper

244 100

212 7.6 4.3 6.5#

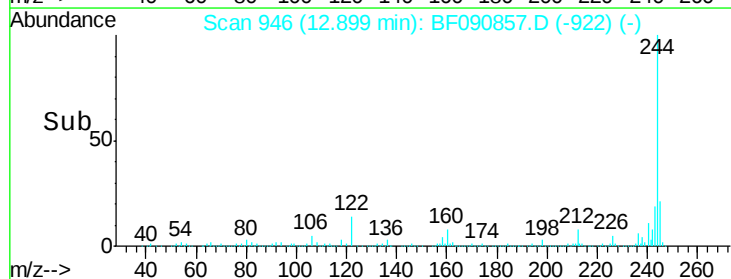
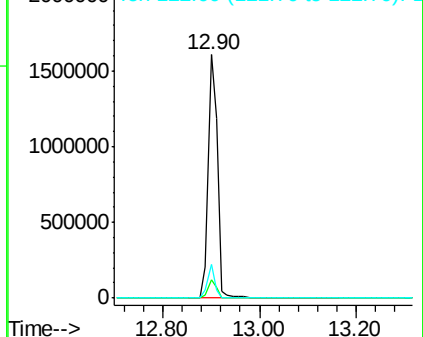
122 13.9 17.4 26.2#

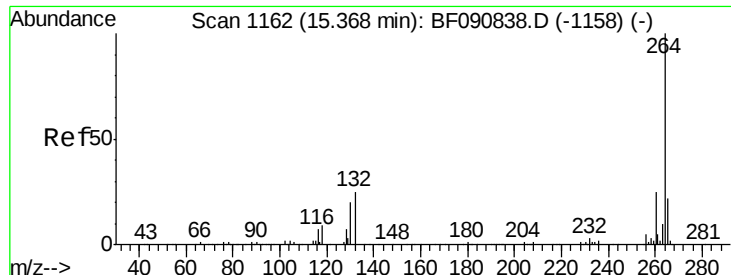


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.02 min
Lab File: BF090857.D
Acq: 26 Oct 2016 23:05

Instrument :
BNA_F
ClientSampleId :
C0AA2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	16.7	25.1
265	21.8	17.2	25.8

